

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
 Data File : BF082573.D
 Acq On : 28 Oct 2015 4:35
 Operator : UM/IZ
 Sample : G4178-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-BOILERROOM2.5FTDEEP

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-BF102615.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	4.869	236	239	259	rVB	624394	1151081	22.30%	1.799%
2	5.314	276	278	294	rBV	1607984	2034366	39.42%	3.179%
3	6.377	368	371	373	rBV	1942846	2171852	42.08%	3.393%
4	6.480	378	380	383	rVV	1939742	2088827	40.47%	3.264%
5	6.709	397	400	403	rBV	509684	466527	9.04%	0.729%
6	6.869	411	414	416	rBV	1368775	1842435	35.70%	2.879%
7	7.292	448	451	453	rBV	986408	1412155	27.36%	2.206%
8	8.023	510	515	517	rBV2	2071182	2652435	51.39%	4.144%
9	8.709	573	575	578	rVB	446101	398506	7.72%	0.623%
10	8.812	582	584	586	rVB	208668	203190	3.94%	0.317%
11	9.075	604	607	610	rBV	2374493	2513544	48.70%	3.927%
12	9.178	612	616	618	rVV	133791	145482	2.82%	0.227%
13	9.338	628	630	633	rBV	82087	108250	2.10%	0.169%
14	9.406	634	636	638	rVV	116754	149401	2.89%	0.233%
15	9.475	640	642	645	rVV	486400	468346	9.07%	0.732%
16	9.612	651	654	656	rBV	159772	139404	2.70%	0.218%
17	9.749	662	666	668	rBV	744376	834349	16.17%	1.304%
18	9.783	668	669	671	rVB	745903	561508	10.88%	0.877%
19	9.955	682	684	686	rBV	660385	593203	11.49%	0.927%
20	10.149	699	701	702	rBV	66794	73279	1.42%	0.114%
21	10.298	711	714	717	rBV	690215	626232	12.13%	0.978%
22	10.378	720	721	724	rVV2	67379	110058	2.13%	0.172%
23	10.458	724	728	730	rVV2	123320	188790	3.66%	0.295%
24	10.549	733	736	738	rVV	1223083	1537571	29.79%	2.402%
25	10.652	743	745	749	rVB3	87393	136348	2.64%	0.213%
26	10.846	756	762	763	rBV	94903	148518	2.88%	0.232%
27	10.995	770	775	778	rBV2	65122	147072	2.85%	0.230%
28	11.052	778	780	782	rVV	371404	407043	7.89%	0.636%
29	11.098	782	784	785	rVV2	99689	134408	2.60%	0.210%
30	11.132	785	787	790	rVB	346837	338719	6.56%	0.529%
31	11.269	794	799	801	rBV2	3722014	5160986	100.00%	8.064%
32	11.315	801	803	805	rVV	1297925	1199972	23.25%	1.875%
33	11.349	805	806	809	rVB	145931	131612	2.55%	0.206%
34	11.475	814	817	820	rBV	781858	1013492	19.64%	1.584%

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35	11.532	820	822	824	rVV3	81841	141657	2.74%	0.221%
36	11.578	824	826	828	rVB3	74453	89037	1.73%	0.139%
37	11.738	838	840	841	rBV	398523	363745	7.05%	0.568%
38	11.772	841	843	845	rVV2	421289	595976	11.55%	0.931%
39	11.818	845	847	848	rVV	113681	157172	3.05%	0.246%
40	11.852	848	850	854	rVB2	480963	789184	15.29%	1.233%
41	11.932	854	857	858	rBV2	81182	138033	2.67%	0.216%
42	12.035	862	866	867	rVV	286469	319562	6.19%	0.499%
43	12.069	867	869	871	rVB	249426	223271	4.33%	0.349%
44	12.184	876	879	880	rBV	62500	97187	1.88%	0.152%
45	12.287	886	888	889	rBV	156176	175671	3.40%	0.274%
46	12.321	889	891	894	rVB3	94696	133963	2.60%	0.209%
47	12.378	894	896	900	rBV	171800	259987	5.04%	0.406%
48	12.458	900	903	905	rBV	3122199	3971746	76.96%	6.206%
49	12.515	905	908	909	rBV2	69073	79250	1.54%	0.124%
50	12.595	913	915	917	rBV	183197	211350	4.10%	0.330%
51	12.687	920	923	925	rBV	2796820	3689719	71.49%	5.765%
52	12.732	925	927	929	rVB	123641	181019	3.51%	0.283%
53	12.824	931	935	939	rBV2	2143544	2447401	47.42%	3.824%
54	12.904	939	942	944	rBV2	166415	334037	6.47%	0.522%
55	12.938	944	945	947	rVB	153408	130118	2.52%	0.203%
56	13.007	947	951	953	rBV2	273950	485419	9.41%	0.758%
57	13.075	955	957	958	rBV	162659	131356	2.55%	0.205%
58	13.109	958	960	964	rVB2	236561	328904	6.37%	0.514%
59	13.201	967	968	969	rBV	103118	78299	1.52%	0.122%
60	13.235	969	971	975	rVB2	106240	145615	2.82%	0.228%
61	13.304	975	977	980	rVB3	56542	82548	1.60%	0.129%
62	13.395	983	985	987	rBV3	44471	92571	1.79%	0.145%
63	13.429	987	988	992	rVB3	71549	112228	2.17%	0.175%
64	13.521	994	996	999	rVB	371405	347181	6.73%	0.542%
65	13.624	1003	1005	1006	rBV	292967	339190	6.57%	0.530%
66	13.681	1009	1010	1012	rBV2	144974	188173	3.65%	0.294%
67	13.738	1012	1015	1017	rVB	295349	459520	8.90%	0.718%
68	13.795	1018	1020	1023	rBV	67485	81569	1.58%	0.127%
69	13.875	1023	1027	1029	rBV	1488779	2684996	52.02%	4.195%
70	13.990	1035	1037	1039	rVB	227873	179541	3.48%	0.281%
71	14.035	1039	1041	1044	rBV2	101927	207444	4.02%	0.324%

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72	14.092	1044	1046	1047	rVV	84756	134915	2.61%	0.211%
73	14.127	1047	1049	1050	rVB	129498	151664	2.94%	0.237%
74	14.241	1057	1059	1060	rBV	127844	146802	2.84%	0.229%
75	14.275	1060	1062	1064	rVV	217132	265927	5.15%	0.416%
76	14.355	1067	1069	1072	rBV4	57410	127793	2.48%	0.200%
77	14.607	1089	1091	1095	rBV4	102495	217324	4.21%	0.340%
78	14.778	1104	1106	1108	rBV	176860	202234	3.92%	0.316%
79	14.927	1116	1119	1124	rBV	1261286	2858335	55.38%	4.466%
80	15.018	1126	1127	1129	rVB	186461	214412	4.15%	0.335%
81	15.110	1133	1135	1137	rBV2	59355	142500	2.76%	0.223%
82	15.201	1140	1143	1146	rVV	679131	1077147	20.87%	1.683%
83	15.270	1146	1149	1151	rVV	1045165	1347465	26.11%	2.105%
84	15.315	1151	1153	1155	rVV	306415	544331	10.55%	0.850%
85	15.350	1155	1156	1160	rVB	425494	410595	7.96%	0.642%
86	15.475	1165	1167	1169	rBV	42958	76363	1.48%	0.119%
87	15.647	1180	1182	1186	rBV2	48679	162776	3.15%	0.254%
88	15.830	1196	1198	1203	rVB2	65776	143426	2.78%	0.224%
89	15.910	1203	1205	1208	rBV4	53411	106897	2.07%	0.167%
90	16.287	1236	1238	1240	rBV3	45295	102260	1.98%	0.160%
91	16.493	1253	1256	1257	rBV2	90009	156250	3.03%	0.244%
92	16.573	1261	1263	1265	rVV	61279	98316	1.90%	0.154%
93	16.687	1269	1273	1276	rBV	549754	1103622	21.38%	1.724%
94	16.836	1282	1286	1288	rBV2	129460	278340	5.39%	0.435%
95	16.881	1288	1290	1293	rVB2	86141	179854	3.48%	0.281%
96	17.098	1305	1309	1313	rVB	382020	867277	16.80%	1.355%
97	17.316	1324	1328	1331	rBV	116264	354037	6.86%	0.553%
98	19.167	1484	1490	1493	rBV	113862	476670	9.24%	0.745%
99	20.207	1578	1581	1586	rBV	30685	102070	1.98%	0.159%
100	20.310	1586	1590	1597	rVB3	40858	189273	3.67%	0.296%

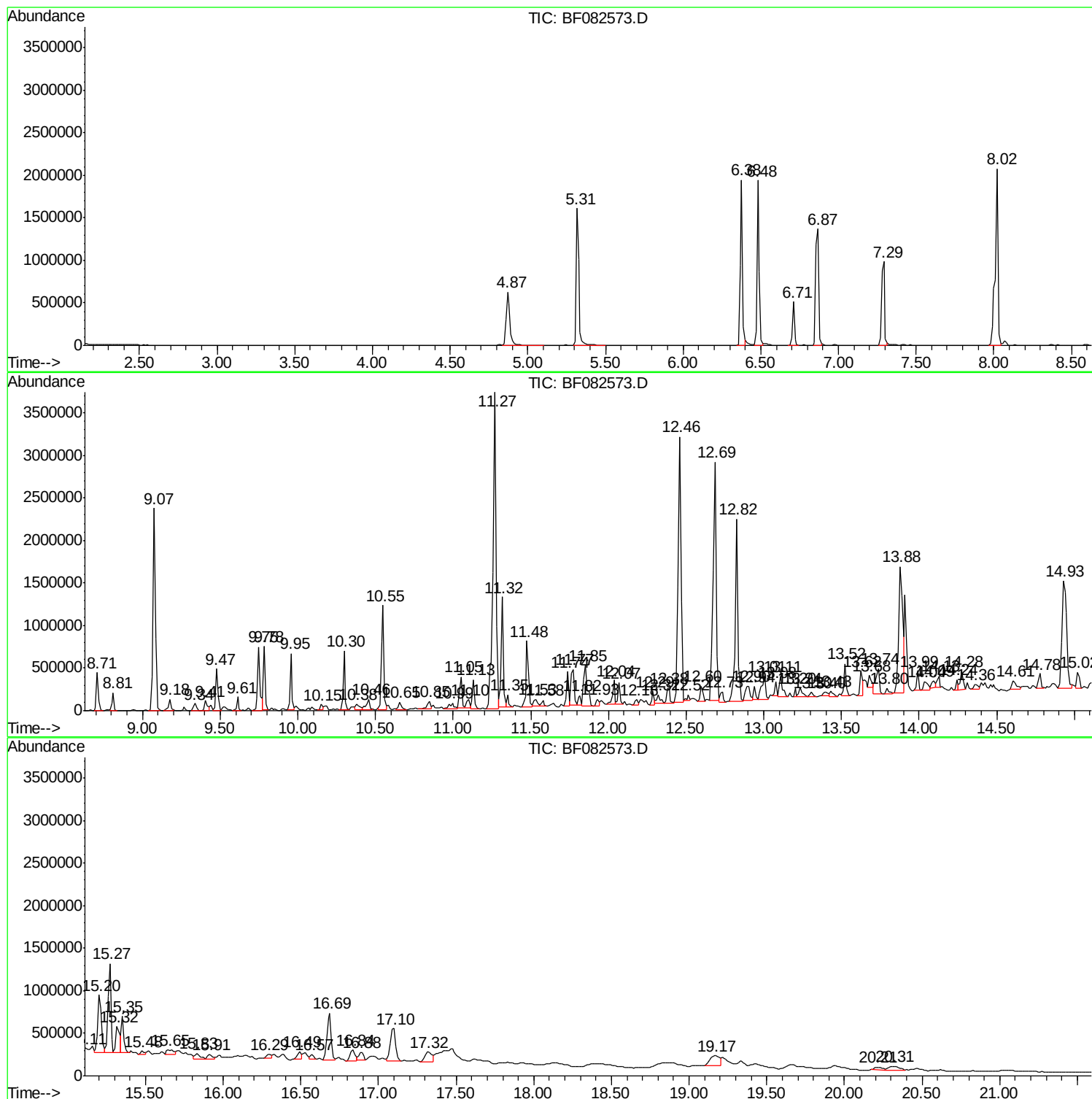
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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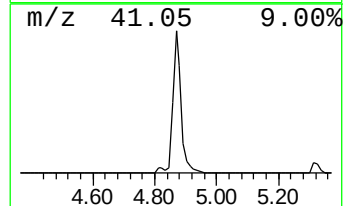
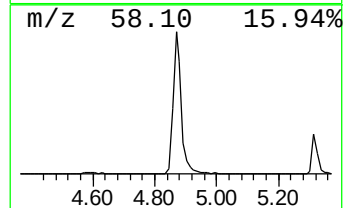
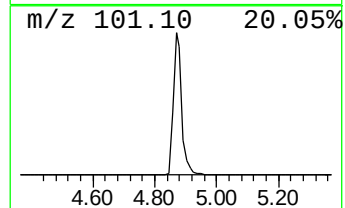
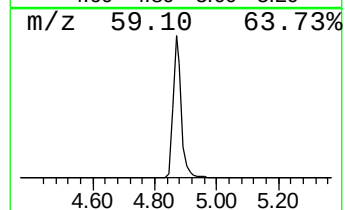
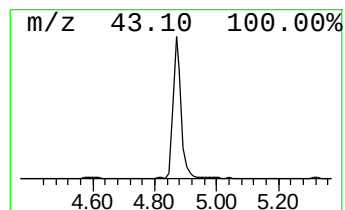
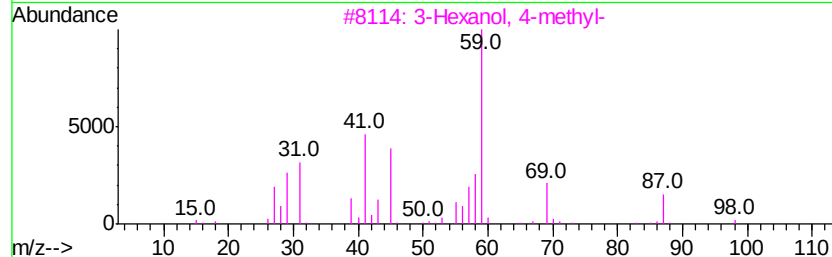
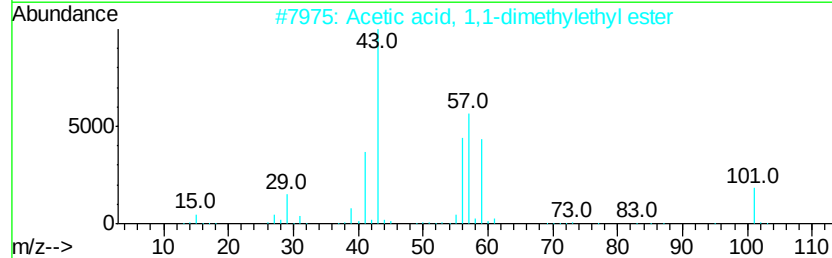
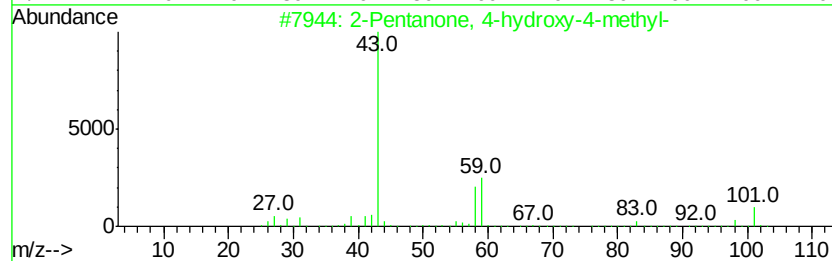
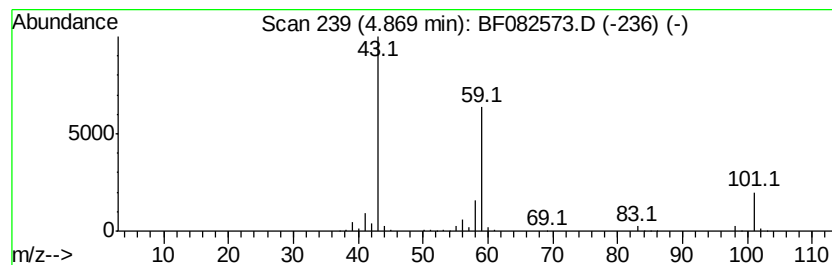
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	49.35 ng	1151080	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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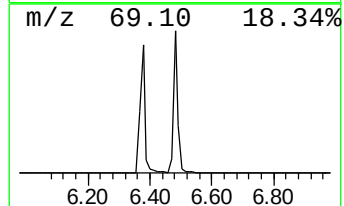
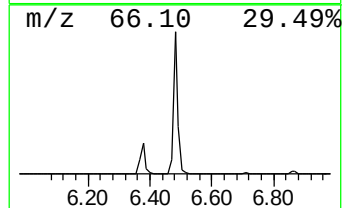
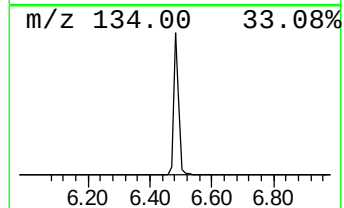
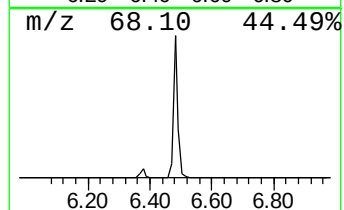
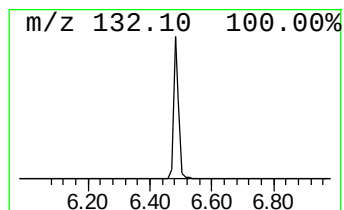
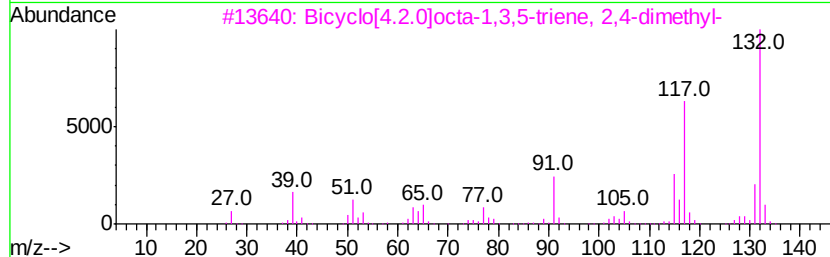
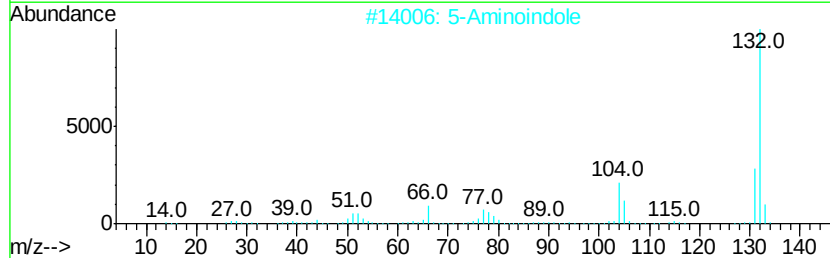
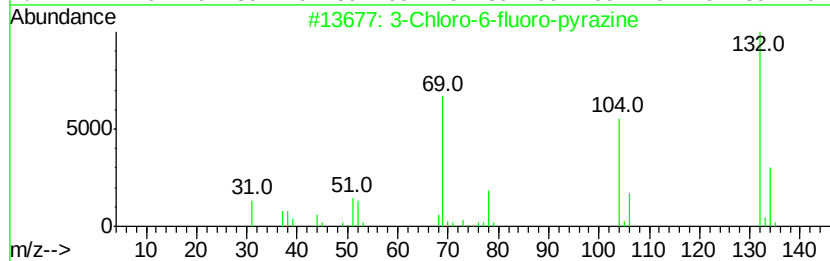
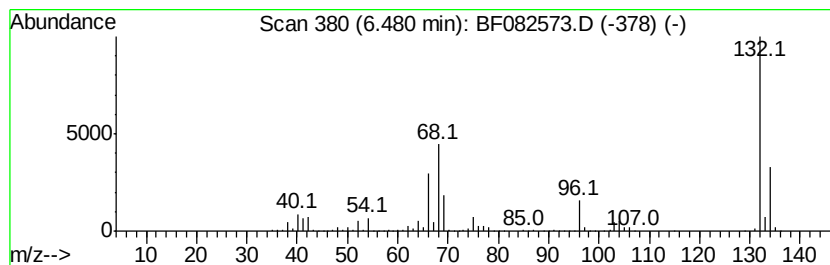
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	89.55 ng	2088830	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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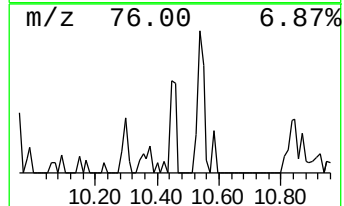
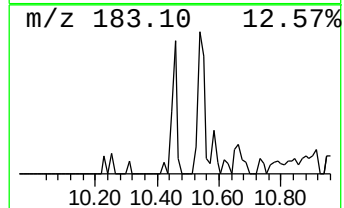
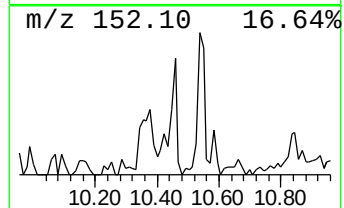
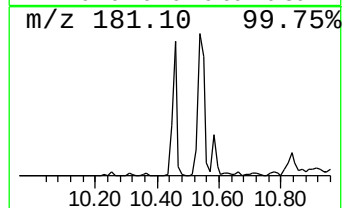
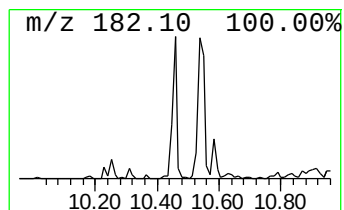
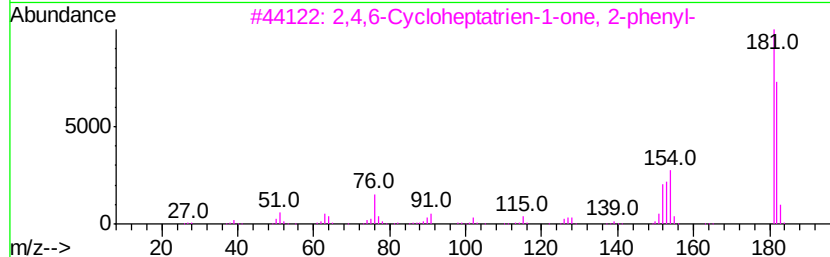
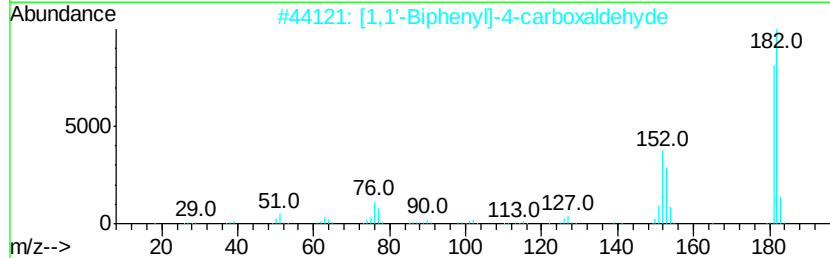
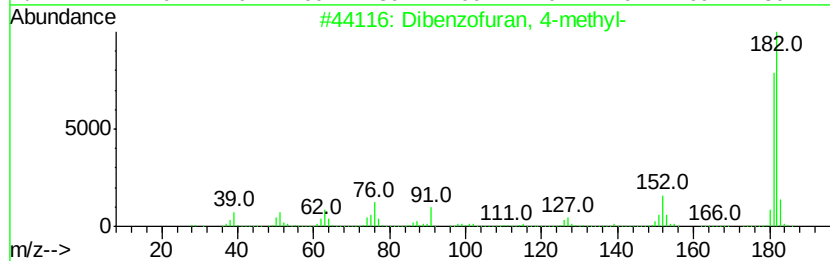
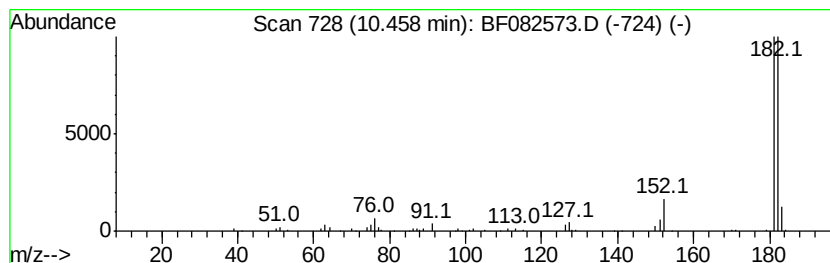
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	4.53 ng	188790	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		9H-Xanthene	182	C13H10O	000092-83-1	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
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Operator : UM/IZ
Sample : G4178-06
Misc :
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Instrument :
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ClientSampleId :
S6-BOILERROOM2.5FTDEEP

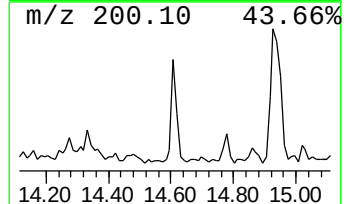
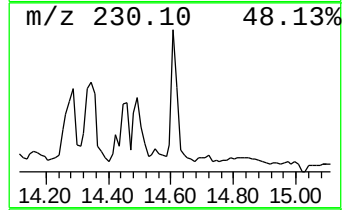
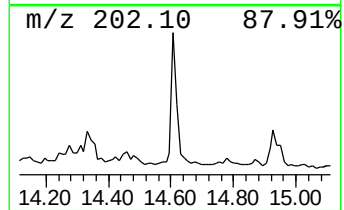
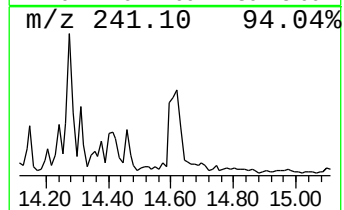
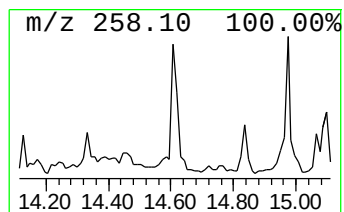
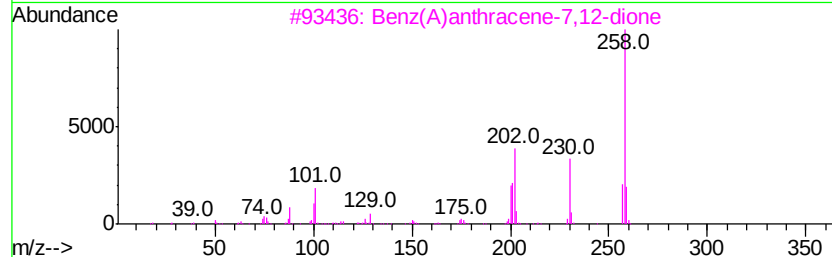
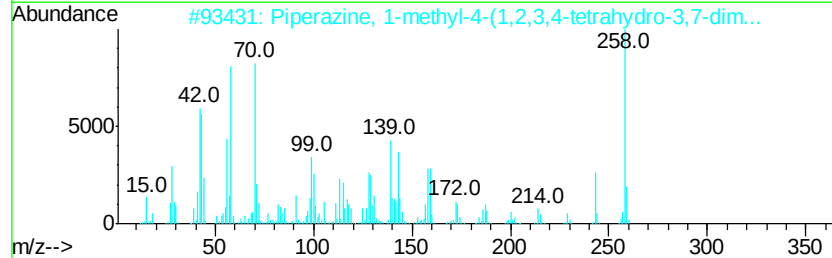
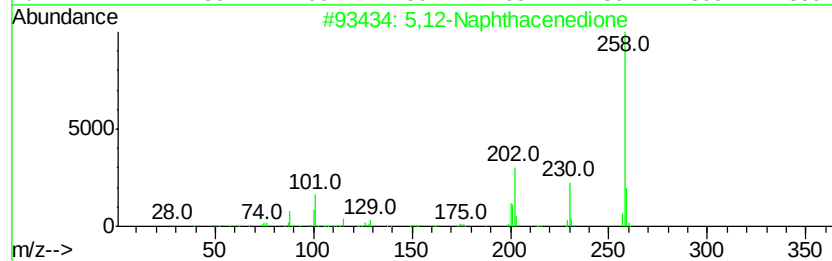
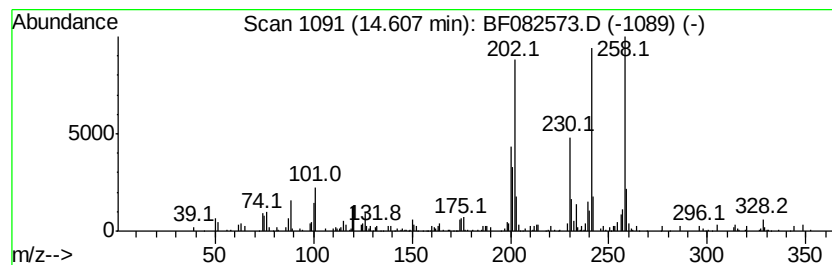
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 5,12-Naphthacenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	7.98 ng	217324	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	83
4		Fluoranthene	202	C16H10	000206-44-0	55
5		Pyrene	202	C16H10	000129-00-0	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
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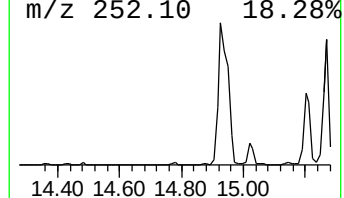
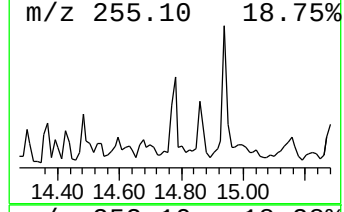
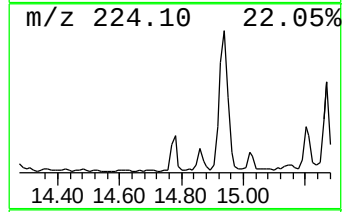
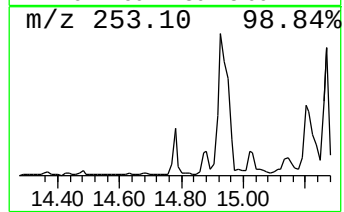
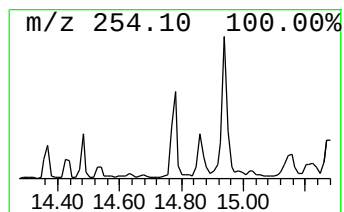
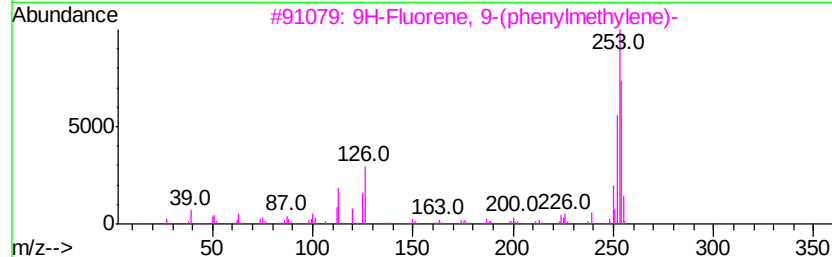
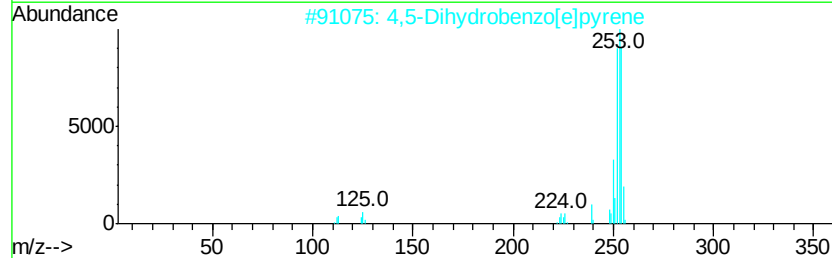
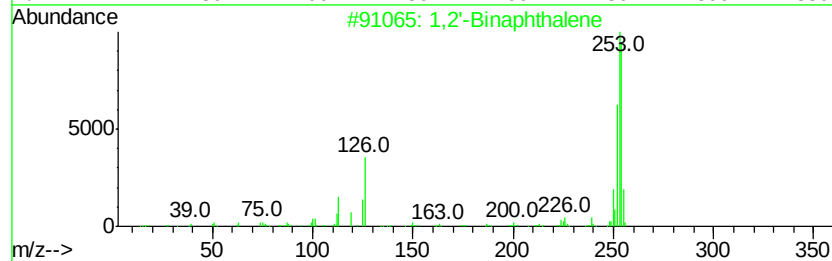
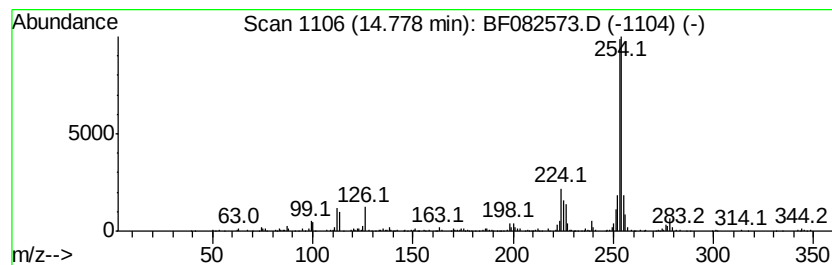
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,2'-Binaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	7.43 ng	202234	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
2		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	72
3		9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9	68
4		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
S6-BOILERROOM2.5FTDEEP

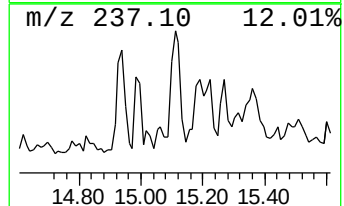
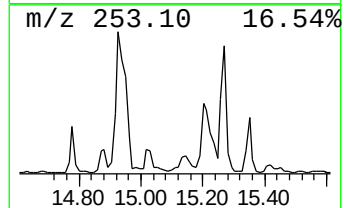
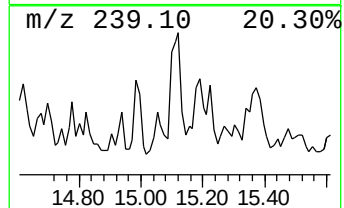
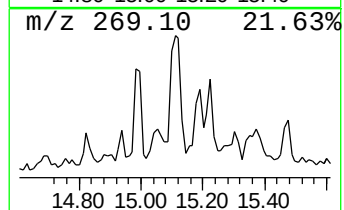
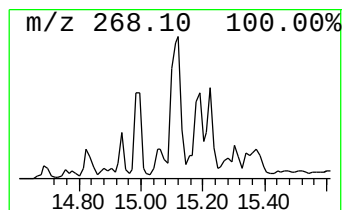
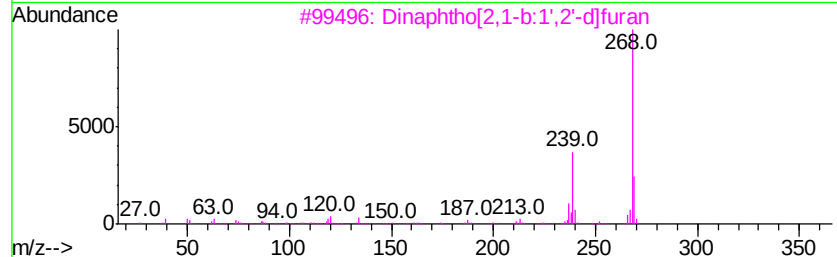
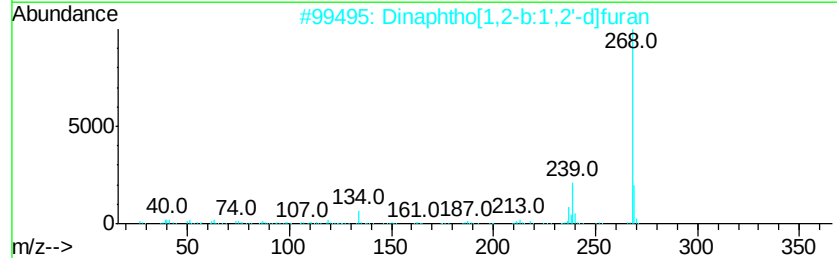
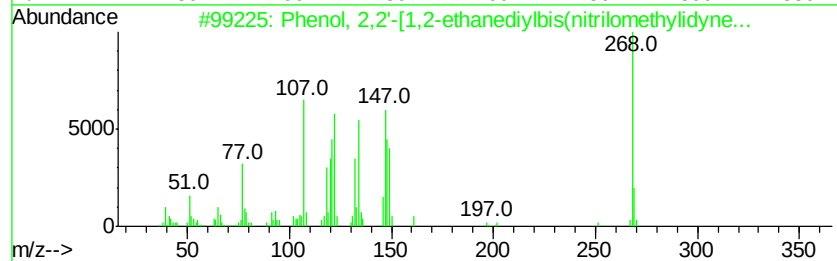
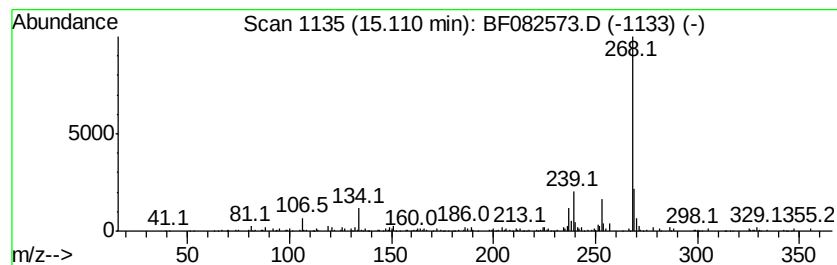
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenol, 2,2'-[1,2-ethanediyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	5.24 ng	142500	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	96
2		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	80
4		4H-Dibenz[a,k]anthracene, 5,6-d...	268	C21H16	007198-87-0	64
5		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
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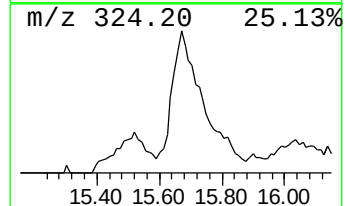
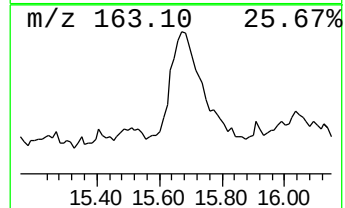
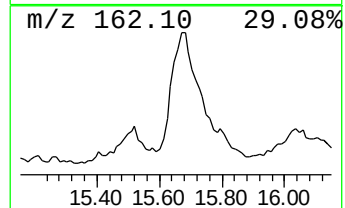
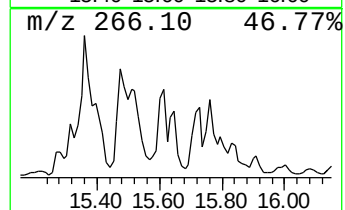
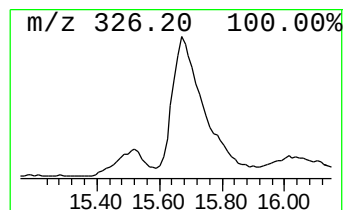
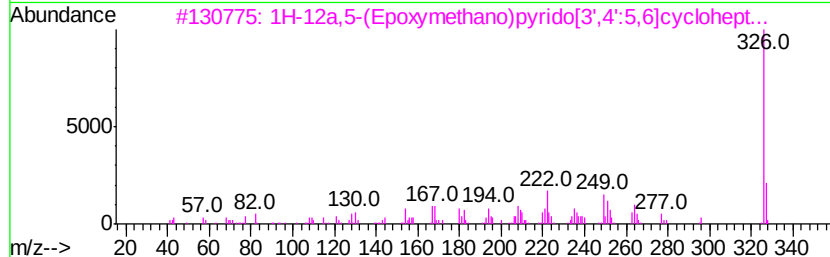
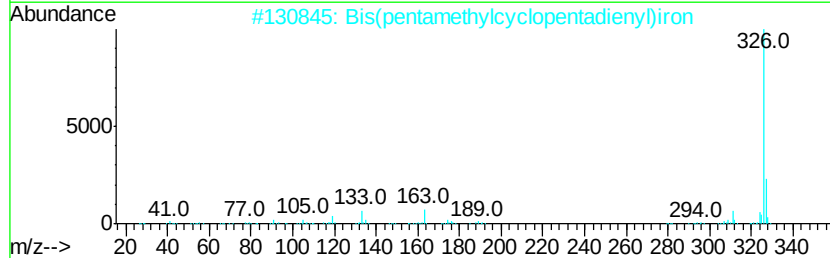
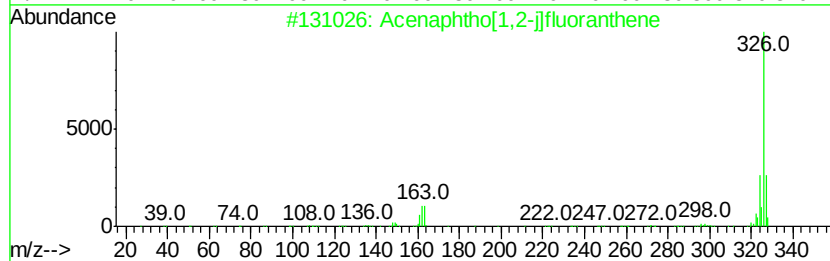
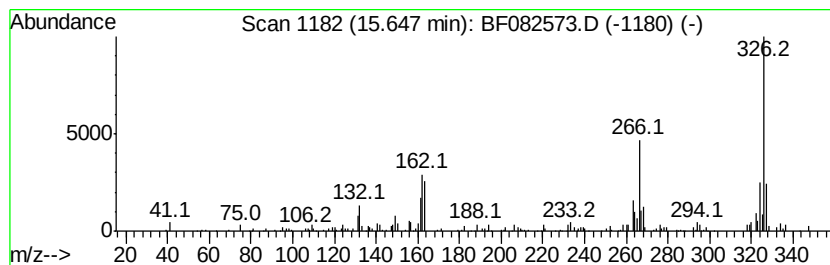
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Acenaphtho[1,2-j]fluoranthene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.65	5.98 ng	162776	Perylene-d12	15.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acenaphtho[1,2-il]fluoranthene	326	C26H14	000193-21-5	70
2		Bis(pentamethylcyclopentadienyl)...	326	C20H30Fe	012126-50-0	35
3		1H-12a,5-(Epoxy methano)pyrido[3'...	326	C19H22N2O3	003329-95-1	35
4		2-(4-Biphenyl)imidazo[2,1-b]be...	326	C21H14N2S	038956-29-5	32
5		Benzenamine, N-(9-anthracenyl)met...	326	C21H14N2O2	014607-12-6	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
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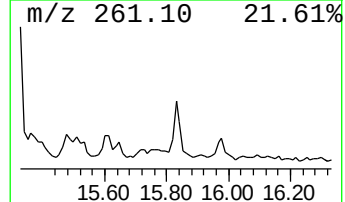
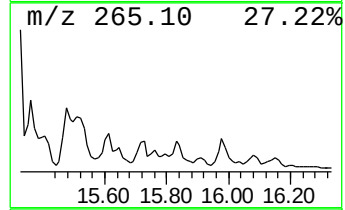
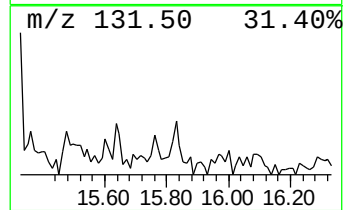
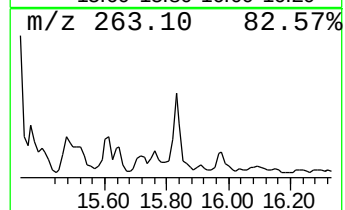
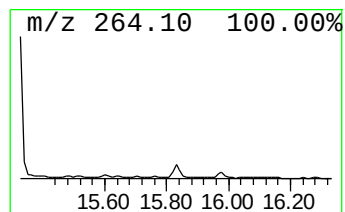
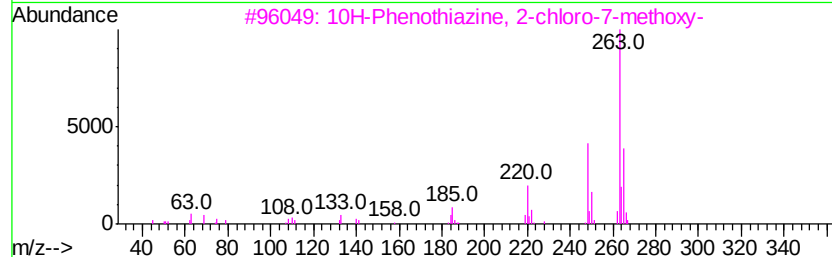
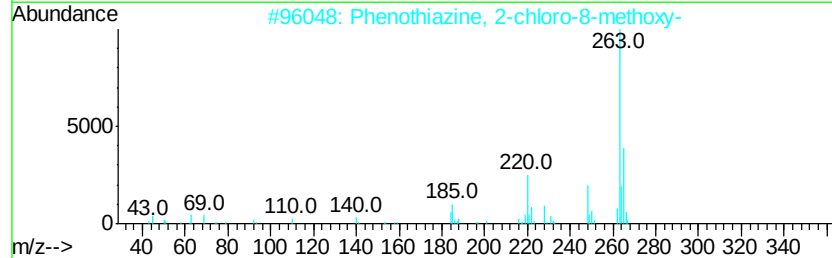
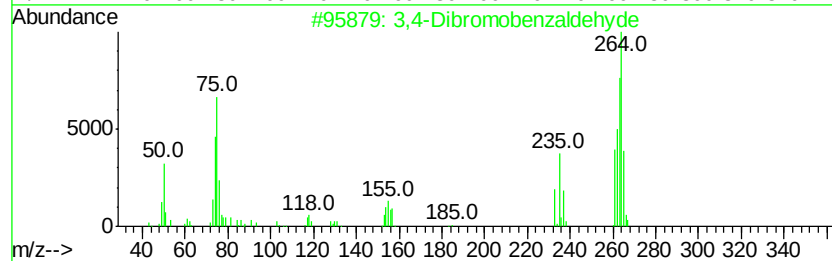
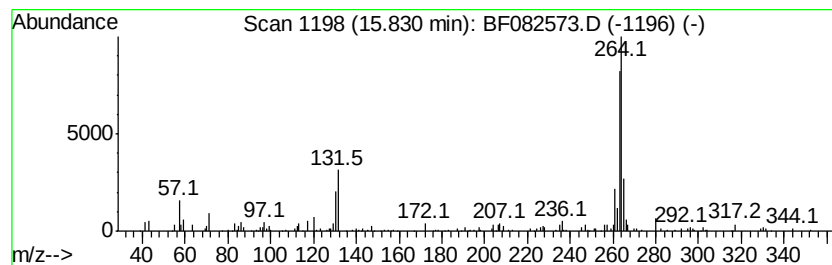
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	5.27 ng	143426	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7 64
2	Phenothiazine, 2-chloro-8-methoxy-	263	C13H10ClNOS	017800-09-8 38
3	10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5 25
4	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1 25
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0 25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
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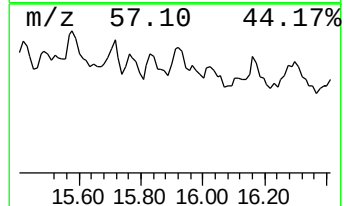
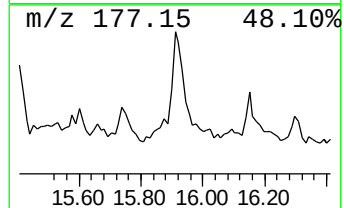
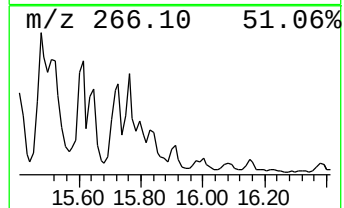
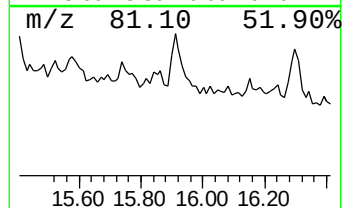
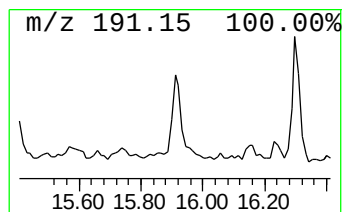
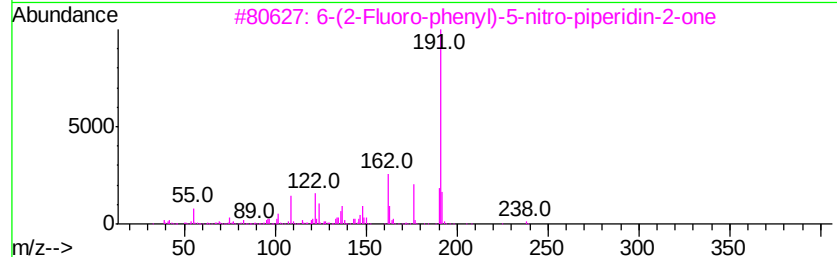
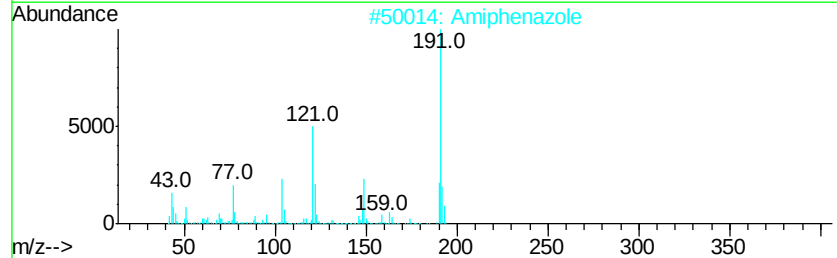
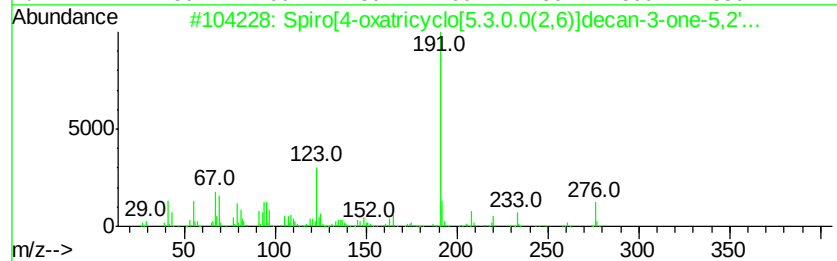
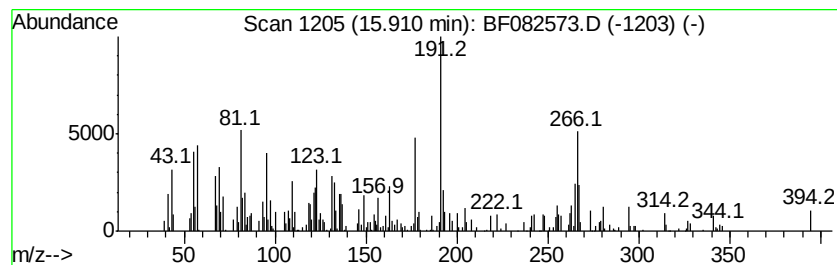
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown15.91 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	3.93 ng	106897	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Spino[4-oxatricvclo[5.3.0.0(2,6)...	276	C18H28O2	1000156-82-9	22
2		Amiphenazole	191	C9H9N3S	000490-55-1	22
3		6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	22
4		1-(5-Methyl-2-thiazolin-2-yl)-1-...	303	C12H12F3N3OS	1000225-27-4	22
5		5H-Benzo[def]carbazole	191	C14H9N	000203-65-6	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
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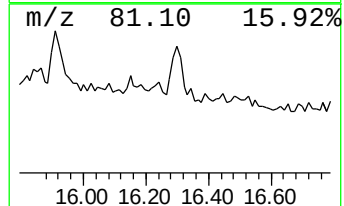
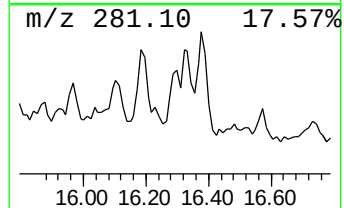
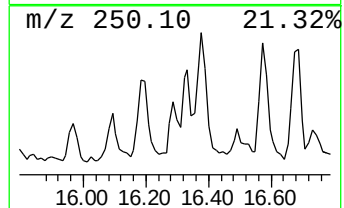
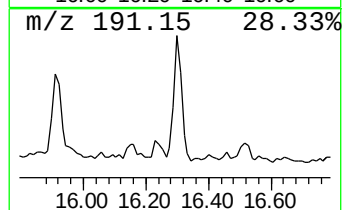
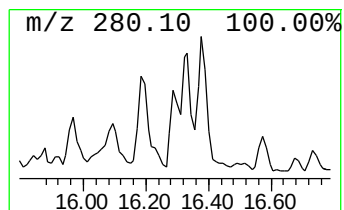
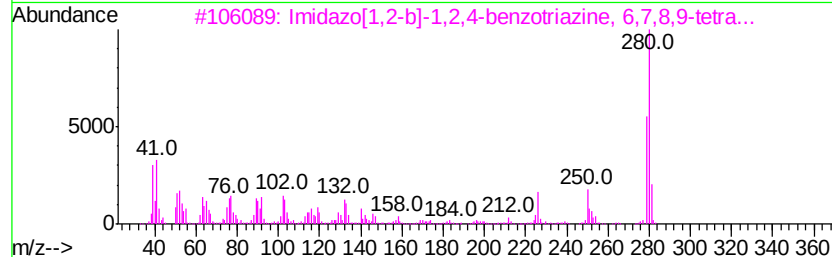
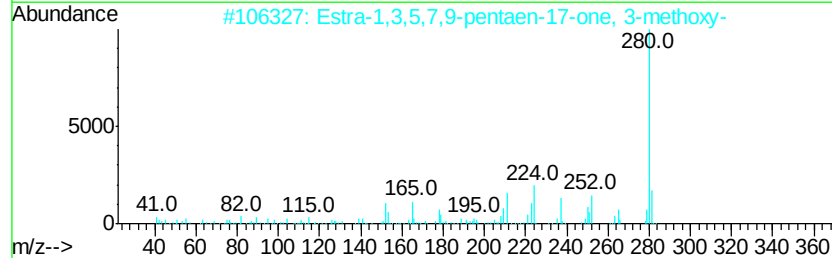
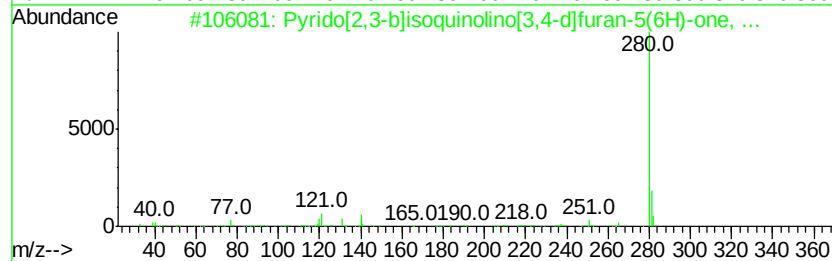
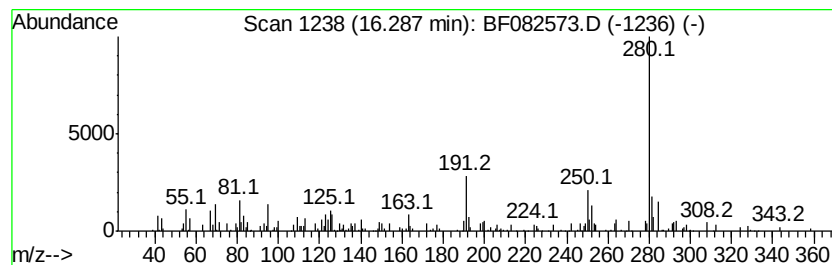
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrido[2,3-b]isoquinolino[3... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.76 ng	102260	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrido[2,3-b]isoquinolino[3,4-d]...	280	C16H12N2O5	1000267-18-3	50
2		Estra-1,3,5,7,9-pentaen-17-one, ...	280	C19H20O2	003907-67-3	47
3		Imidazo[1,2-b]-1,2,4-benzotriazi...	280	C16H16N4O	1000277-17-5	47
4		Benzo[alphenazine-9,10-dicarboni...	280	C18H8N4	1000276-19-4	46
5		Dibenz[a,h]anthracene, 5,6-dihydro-	280	C22H16	000153-34-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

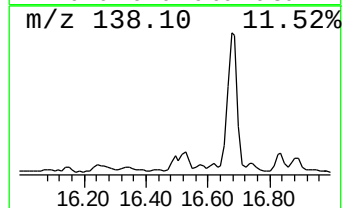
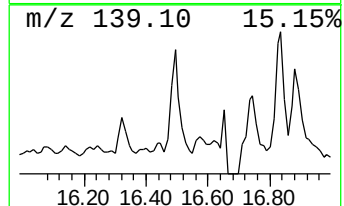
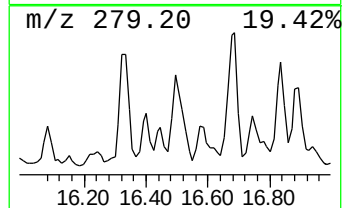
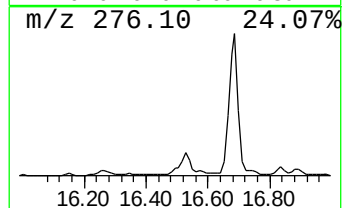
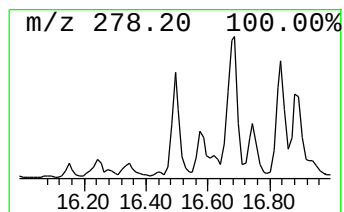
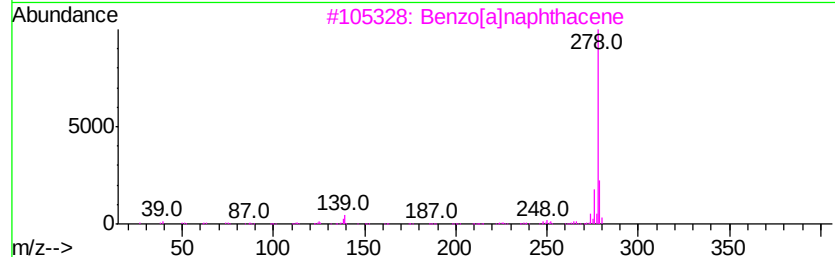
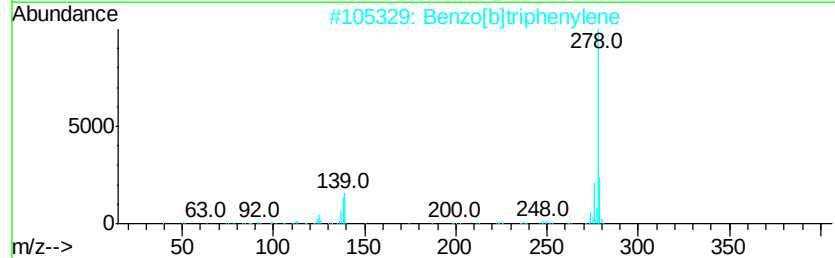
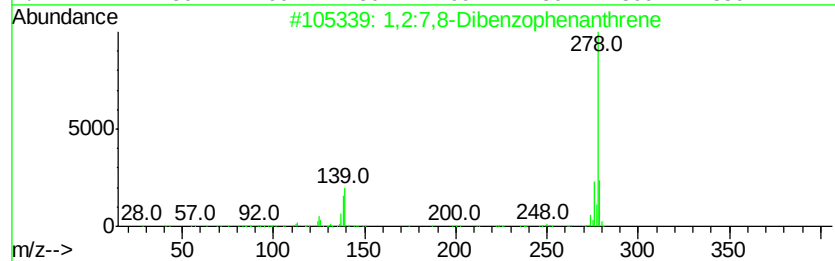
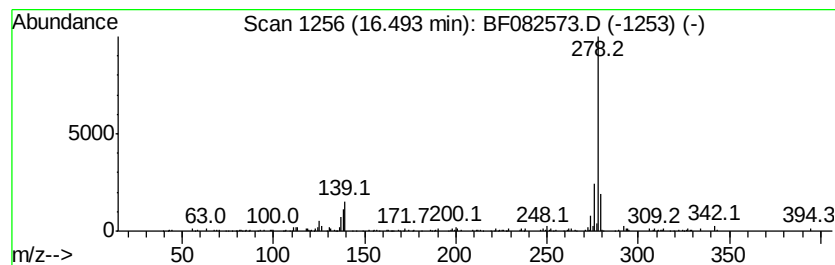
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2:7,8-Dibenzophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	5.74 ng	156250	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3		Benzo[a]naphthacene	278	C22H14	000226-88-0	90
4		Pentacene	278	C22H14	000135-48-8	90
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
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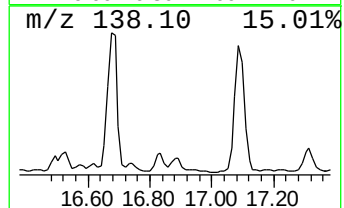
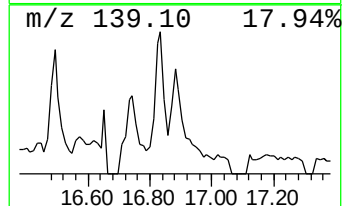
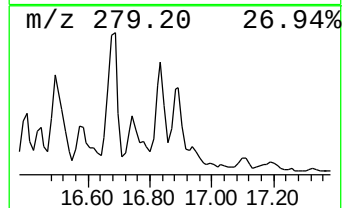
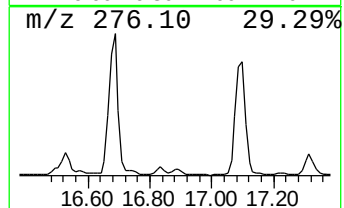
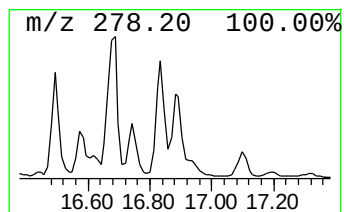
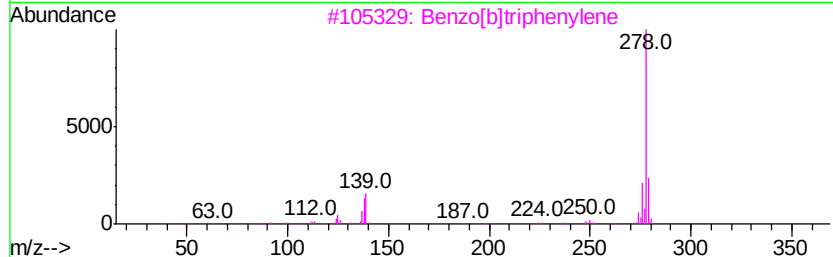
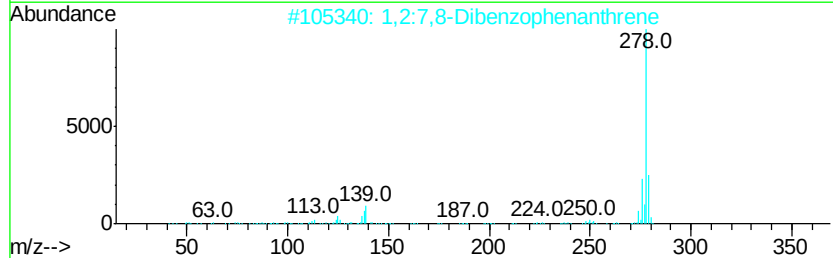
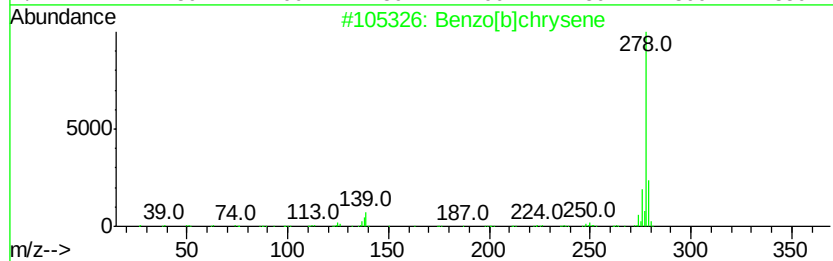
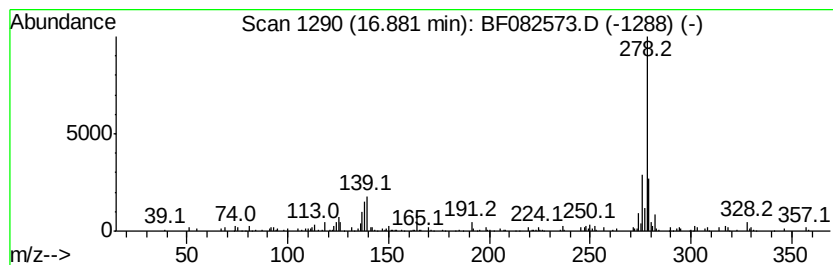
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ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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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]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.88	6.61 ng	179854	Perylene-d12	15.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	98
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4	Pentaphene	278	C22H14	000222-93-5	96
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

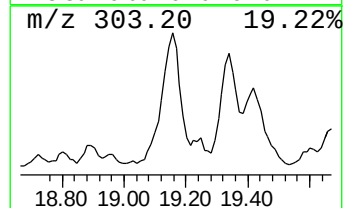
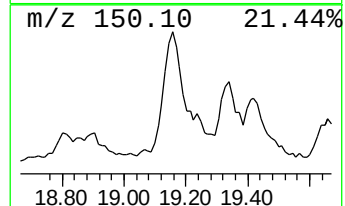
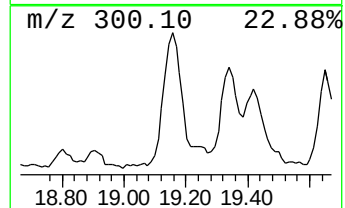
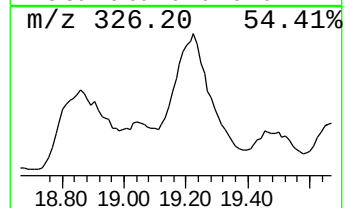
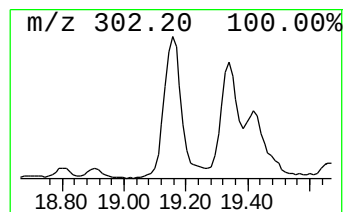
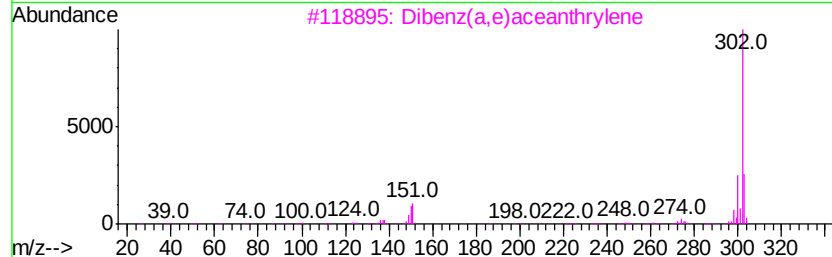
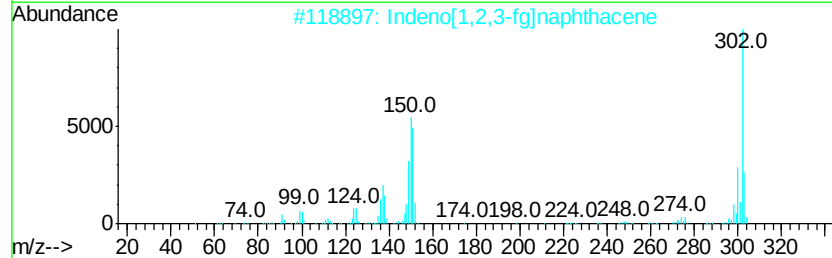
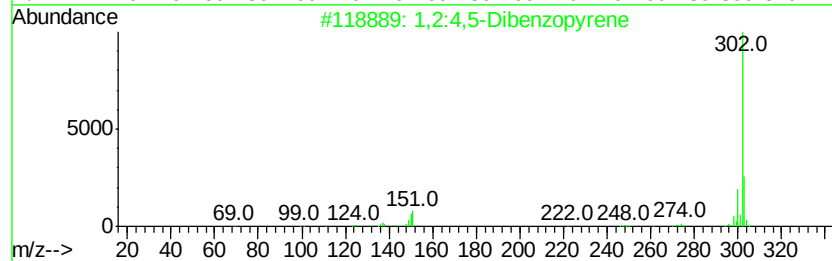
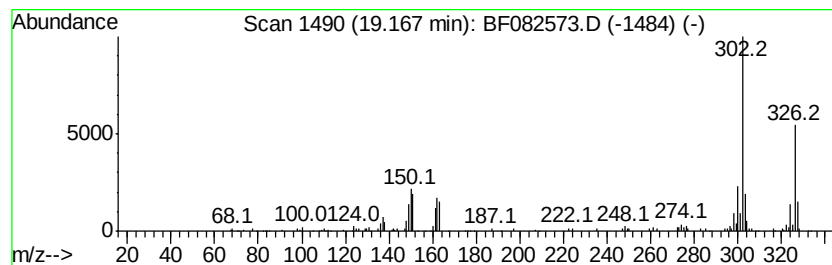
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,2:4,5-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	17.51 ng	476670	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

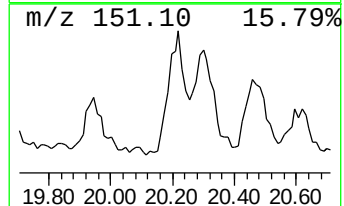
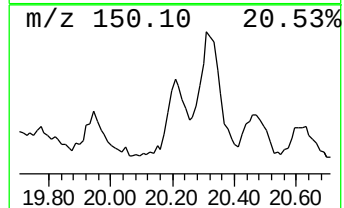
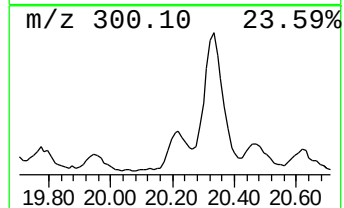
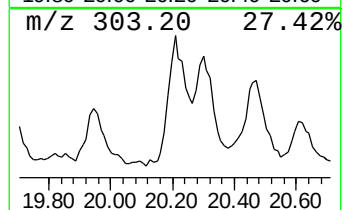
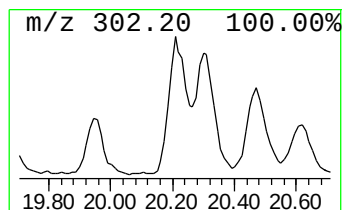
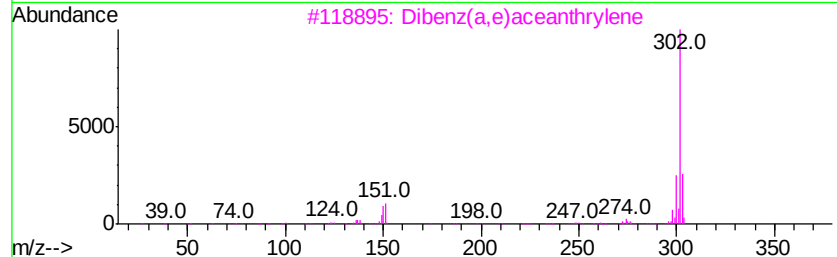
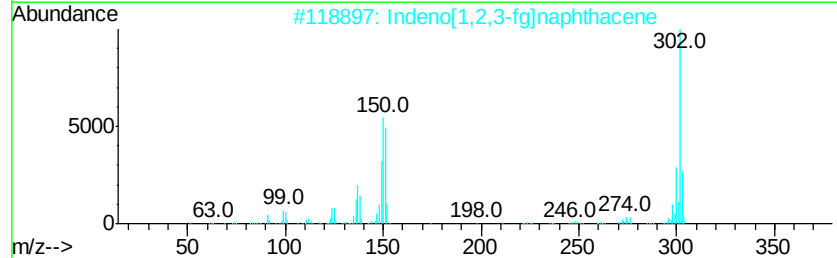
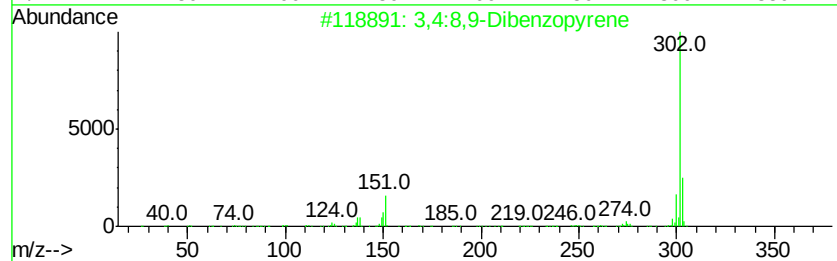
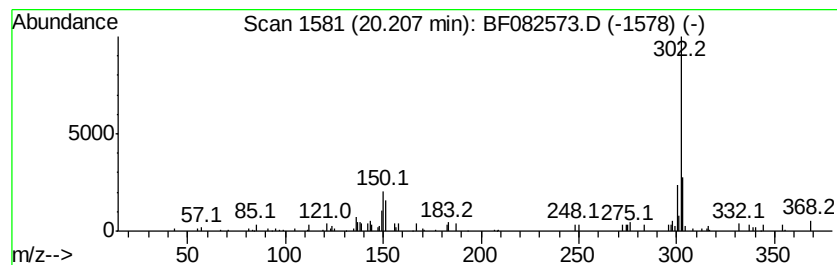
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	3.75 ng	102070	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	92
2		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	70
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	64
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
5		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082573.D
Acq On : 28 Oct 2015 4:35
Operator : UM/IZ
Sample : G4178-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S6-BOILERROOM2.5FTDEEP

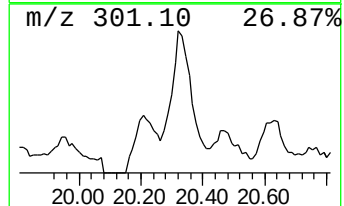
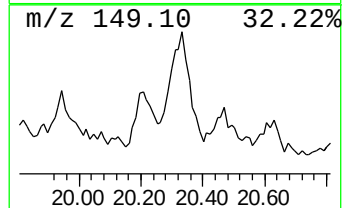
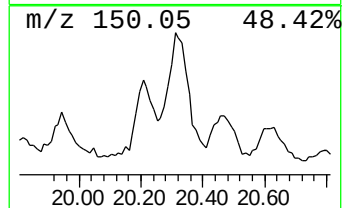
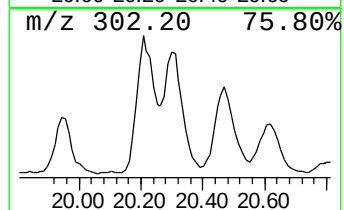
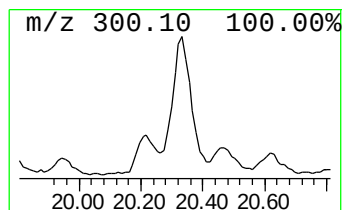
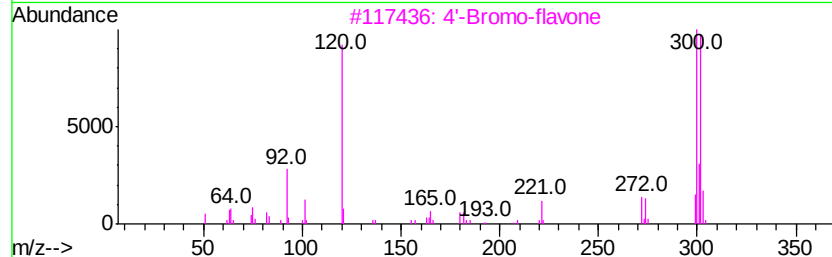
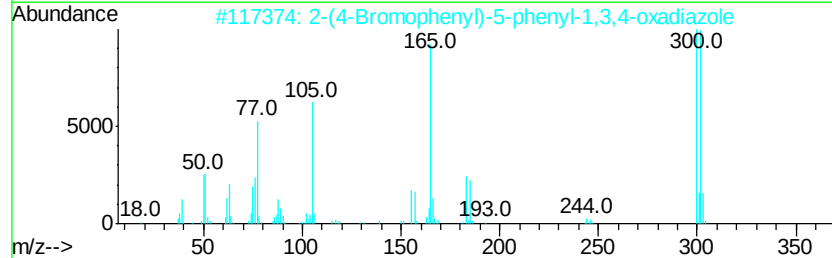
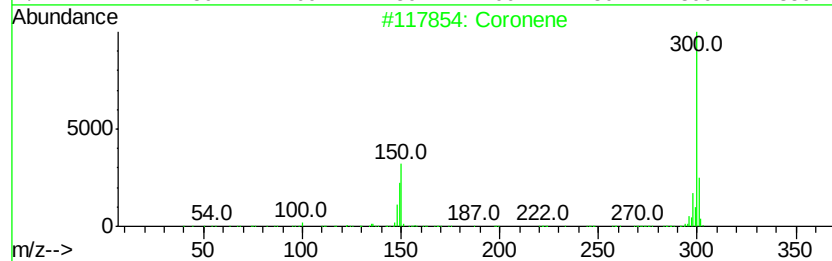
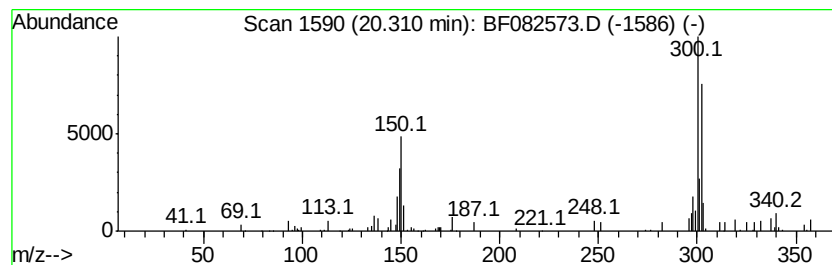
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	6.95 ng	189273	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	55
2		2-(4-Bromophenyl)-5-phenyl-1,3,4...	300	C14H9BrN2O	021510-43-0	52
3		4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	52
4		7-Bromo-flavone	300	C15H9BrO2	001148-47-6	40
5		Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
 Data File : BF082573.D
 Acq On : 28 Oct 2015 4:35
 Operator : UM/IZ
 Sample : G4178-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-BOILERROOM2.5FTDEEP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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...	4.87	49.4	ng	1151080	1	6.71	466527	20.0
unknown6.48	6.48	89.5	ng	2088830	1	6.71	466527	20.0
Dibenzofuran, 4-m...	10.46	4.5	ng	188790	3	9.75	834349	20.0
5,12-Naphthacened...	14.61	8.0	ng	217324	6	15.32	544331	20.0
1,2'-Binaphthalene	14.78	7.4	ng	202234	6	15.32	544331	20.0
Phenol, 2,2'-[1,2...	15.11	5.2	ng	142500	6	15.32	544331	20.0
Acenaphtho[1,2-j]...	15.65	6.0	ng	162776	6	15.32	544331	20.0
3,4-Dibromobenzal...	15.83	5.3	ng	143426	6	15.32	544331	20.0
unknown15.91	15.91	3.9	ng	106897	6	15.32	544331	20.0
Pyrido[2,3-b]isoq...	16.29	3.8	ng	102260	6	15.32	544331	20.0
1,2:7,8-Dibenzoph...	16.49	5.7	ng	156250	6	15.32	544331	20.0
Benzo[b]chrysene	16.88	6.6	ng	179854	6	15.32	544331	20.0
1,2:4,5-Dibenzopy...	19.17	17.5	ng	476670	6	15.32	544331	20.0
3,4:8,9-Dibenzopy...	20.21	3.8	ng	102070	6	15.32	544331	20.0
Coronene	20.31	7.0	ng	189273	6	15.32	544331	20.0