

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083449.D
 Acq On : 3 Dec 2015 7:55
 Operator : UM/IZ
 Sample : G4582-04 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(0-8)

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-BF113015.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	4.624	255	257	268	rBV	383411	702235	9.02%	0.689%
2	5.116	298	300	314	rBV	1473425	1937138	24.88%	1.902%
3	6.202	393	395	402	rBV2	1582302	2078456	26.69%	2.040%
4	6.304	402	404	407	rVV	1446456	1936639	24.87%	1.901%
5	6.533	422	424	427	rBV	856438	899671	11.55%	0.883%
6	6.693	435	438	440	rBV	1719493	1541226	19.79%	1.513%
7	7.105	472	474	477	rBV	1079881	1183999	15.20%	1.162%
8	7.825	535	537	541	rBV2	1389350	2280520	29.29%	2.239%
9	8.270	574	576	580	rBV	244628	295771	3.80%	0.290%
10	8.533	597	599	601	rVB	295352	394115	5.06%	0.387%
11	8.636	604	608	613	rBV	311613	409013	5.25%	0.402%
12	8.739	613	617	619	rBV4	95097	211893	2.72%	0.208%
13	8.865	625	628	630	rBV	204832	366221	4.70%	0.360%
14	8.910	630	632	634	rVB	1931321	2065724	26.53%	2.028%
15	9.002	638	640	643	rBV3	253209	394360	5.06%	0.387%
16	9.093	646	648	652	rVB	135576	226576	2.91%	0.222%
17	9.162	652	654	656	rBV	140496	235786	3.03%	0.231%
18	9.310	665	667	669	rBV2	467867	682297	8.76%	0.670%
19	9.528	685	686	688	rBV	254846	305603	3.92%	0.300%
20	9.573	688	690	691	rVV	1490307	1428534	18.35%	1.402%
21	9.608	691	693	695	rVV	1320653	1345546	17.28%	1.321%
22	9.779	705	708	710	rBV2	401246	562055	7.22%	0.552%
23	9.848	713	714	716	rVB	195344	206459	2.65%	0.203%
24	10.031	727	730	732	rBV	388826	397870	5.11%	0.391%
25	10.122	736	738	739	rBV	497140	680603	8.74%	0.668%
26	10.248	746	749	751	rBV	596518	702651	9.02%	0.690%
27	10.362	756	759	761	rVB	1177131	1280523	16.44%	1.257%
28	10.522	769	773	776	rBV	675280	1145277	14.71%	1.124%
29	10.956	808	811	812	rVV	239579	273275	3.51%	0.268%
30	11.002	812	815	816	rVV2	431913	669359	8.60%	0.657%
31	11.036	816	818	822	rVB	420469	468255	6.01%	0.460%
32	11.116	822	825	826	rBV	885667	1462224	18.78%	1.435%
33	11.151	826	828	830	rVV	5190966	6071531	77.97%	5.960%
34	11.196	830	832	835	rVV	1145448	1660882	21.33%	1.630%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.391	848	849	852	rVV	716897	792045	10.17%	0.778%
36	11.471	853	856	858	rVV3	122438	274362	3.52%	0.269%
37	11.505	858	859	862	rVB	238065	309666	3.98%	0.304%
38	11.722	875	878	879	rBV	393072	567362	7.29%	0.557%
39	11.756	879	881	883	rVB	542067	674393	8.66%	0.662%
40	11.814	883	886	888	rBV	377295	469624	6.03%	0.461%
41	11.859	888	890	891	rBV	659150	943815	12.12%	0.927%
42	12.042	903	906	909	rVB3	169118	267590	3.44%	0.263%
43	12.099	909	911	912	rVV	366671	405298	5.20%	0.398%
44	12.134	912	914	916	rVB	327551	402315	5.17%	0.395%
45	12.431	938	940	943	rBV3	142591	297299	3.82%	0.292%
46	12.568	949	952	955	rVB4	201098	397934	5.11%	0.391%
47	12.659	956	960	963	rVV	4797875	7360965	94.53%	7.226%
48	12.774	968	970	974	rVB	135926	221024	2.84%	0.217%
49	12.842	974	976	978	rBV	233236	360925	4.63%	0.354%
50	12.888	978	980	983	rVV2	129638	246998	3.17%	0.242%
51	12.968	983	987	990	rVV2	4310969	7787002	100.00%	7.644%
52	13.037	991	993	997	rVV	187414	223351	2.87%	0.219%
53	13.139	1000	1002	1004	rBV	278766	333933	4.29%	0.328%
54	13.197	1004	1007	1010	rVB2	1194763	1749119	22.46%	1.717%
55	13.288	1010	1015	1017	rBV2	245690	534875	6.87%	0.525%
56	13.437	1022	1028	1031	rVB	723134	1380508	17.73%	1.355%
57	13.539	1034	1037	1039	rBV	520356	675667	8.68%	0.663%
58	13.585	1039	1041	1043	rBV2	376493	573333	7.36%	0.563%
59	13.619	1043	1044	1047	rVV2	243057	274435	3.52%	0.269%
60	13.711	1051	1052	1054	rVB	216607	227356	2.92%	0.223%
61	13.757	1054	1056	1060	rBV	192104	260289	3.34%	0.256%
62	14.065	1082	1083	1087	rVB2	142262	215280	2.76%	0.211%
63	14.191	1089	1094	1098	rVB2	237350	559633	7.19%	0.549%
64	14.351	1105	1108	1110	rBV	436366	686605	8.82%	0.674%
65	14.397	1110	1112	1113	rVV	379563	622758	8.00%	0.611%
66	14.454	1116	1117	1120	rVV2	268268	375360	4.82%	0.368%
67	14.511	1120	1122	1125	rVB	293438	421487	5.41%	0.414%
68	14.728	1136	1141	1143	rVV2	2308326	4847850	62.26%	4.759%
69	14.785	1143	1146	1148	rVV	2421124	3953989	50.78%	3.882%
70	14.888	1152	1155	1158	rVB	562760	726725	9.33%	0.713%
71	15.048	1166	1169	1172	rVB2	375237	537863	6.91%	0.528%

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72	15.105	1172	1174	1178	rBV	265057	415169	5.33%	0.408%
73	15.345	1191	1195	1197	rVV	342980	580961	7.46%	0.570%
74	15.391	1197	1199	1203	rVV3	173576	289164	3.71%	0.284%
75	15.482	1204	1207	1209	rVV3	187191	381810	4.90%	0.375%
76	15.517	1209	1210	1212	rVV	172960	335756	4.31%	0.330%
77	15.665	1220	1223	1227	rVB	178913	305877	3.93%	0.300%
78	15.825	1233	1237	1240	rBV2	166754	392434	5.04%	0.385%
79	16.077	1256	1259	1262	rBV2	112586	270160	3.47%	0.265%
80	16.305	1274	1279	1285	rBV	2036049	5794476	74.41%	5.688%
81	16.431	1285	1290	1292	rVB2	420648	691514	8.88%	0.679%
82	16.603	1298	1305	1307	rBV5	142693	636118	8.17%	0.624%
83	16.660	1307	1310	1314	rVV	1280485	2126356	27.31%	2.087%
84	16.740	1314	1317	1320	rVB	1859311	2760252	35.45%	2.710%
85	16.808	1320	1323	1324	rBV	563881	747749	9.60%	0.734%
86	16.843	1324	1326	1328	rVB	599296	728740	9.36%	0.715%
87	17.060	1339	1345	1349	rVB3	134601	588148	7.55%	0.577%
88	17.163	1349	1354	1355	rBV3	78808	225757	2.90%	0.222%
89	17.380	1370	1373	1378	rVB2	159607	365837	4.70%	0.359%
90	17.917	1414	1420	1426	rVB8	100070	474181	6.09%	0.465%
91	18.031	1427	1430	1433	rBV3	221813	494164	6.35%	0.485%
92	18.191	1440	1444	1448	rVB2	918319	1770333	22.73%	1.738%
93	18.340	1454	1457	1459	rBV	180953	324671	4.17%	0.319%
94	18.386	1459	1461	1465	rVB	128258	284694	3.66%	0.279%
95	18.569	1473	1477	1484	rVB	702703	1597236	20.51%	1.568%
96	18.763	1491	1494	1497	rVB	134591	237845	3.05%	0.233%
97	20.443	1637	1641	1647	rVB	204506	641185	8.23%	0.629%
98	20.603	1651	1655	1658	rBV	101469	302087	3.88%	0.297%
99	21.380	1718	1723	1724	rBV	81209	248288	3.19%	0.244%
100	21.437	1725	1728	1733	rVB	119016	394458	5.07%	0.387%

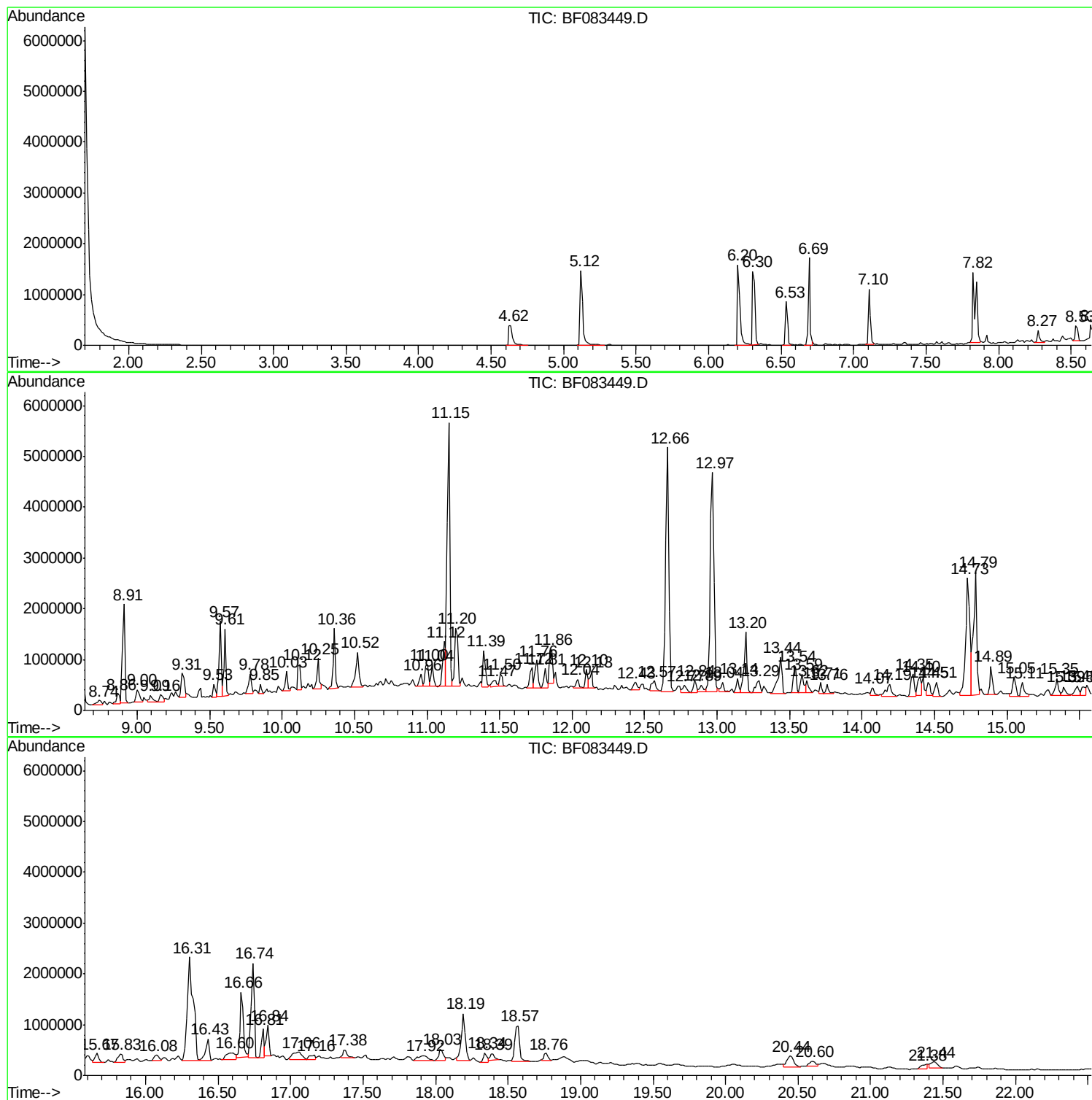
Sum of corrected areas: 101866740

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.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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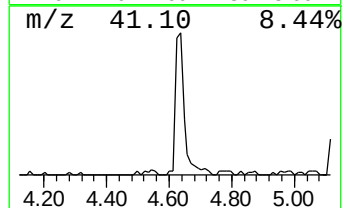
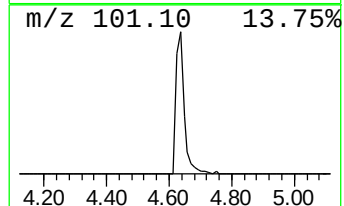
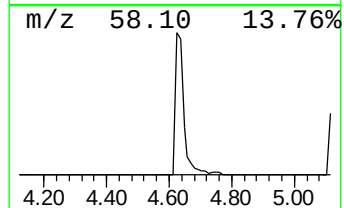
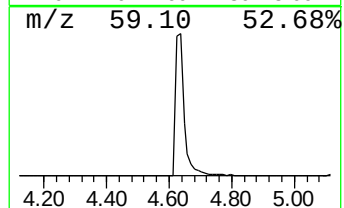
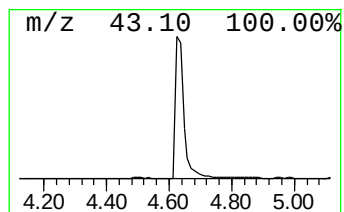
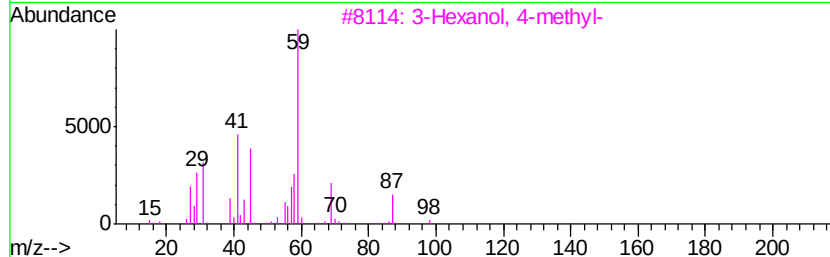
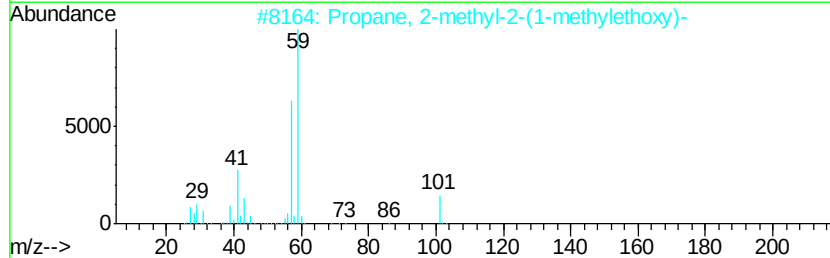
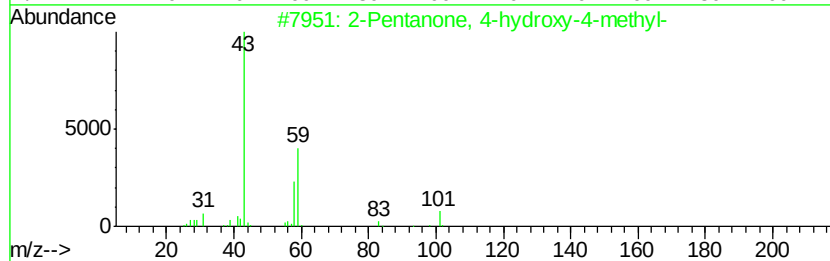
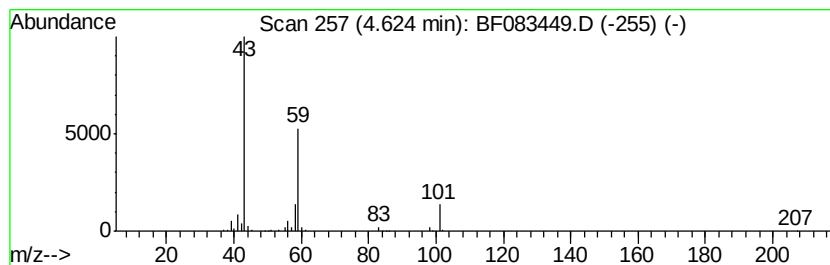
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	15.61 ng	702235	1,4-Dichlorobenzene-d4	6.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	25



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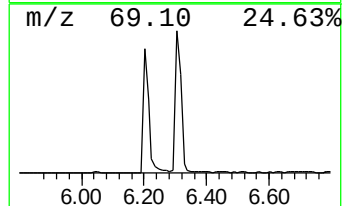
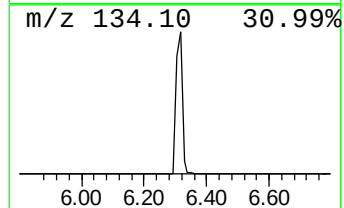
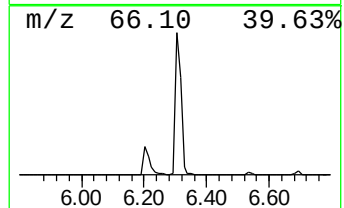
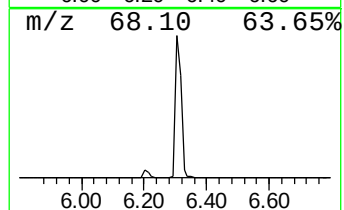
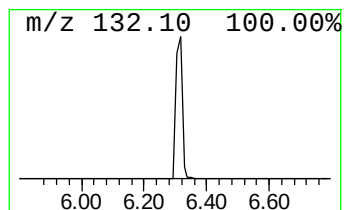
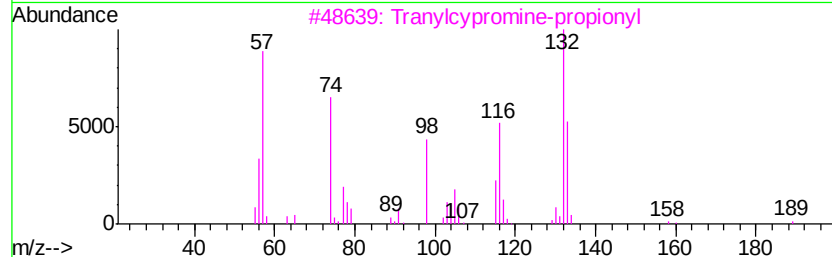
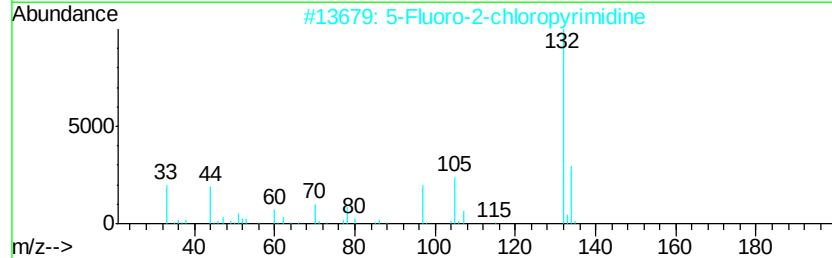
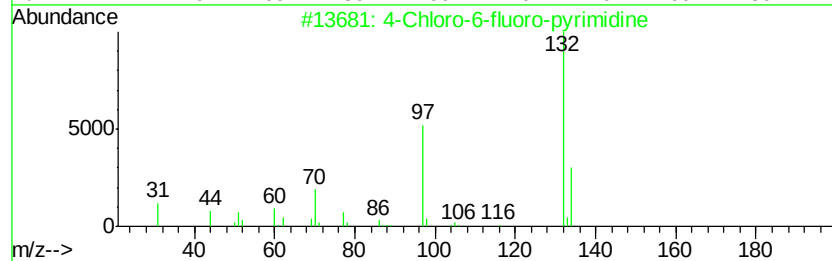
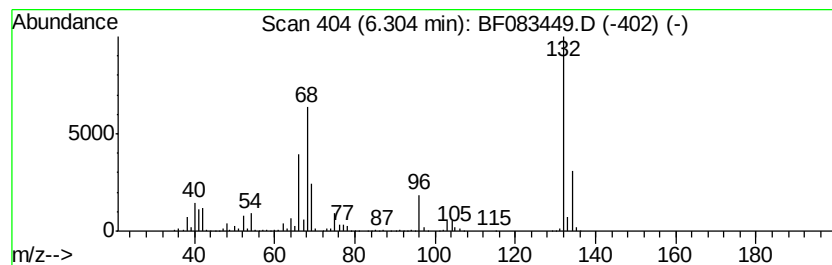
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.30 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	43.05 ng	1936640	1,4-Dichlorobenzene-d4	6.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	10
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9



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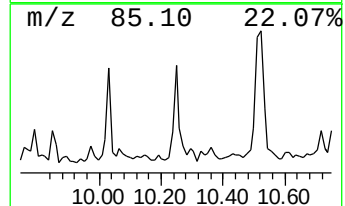
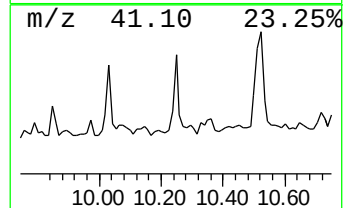
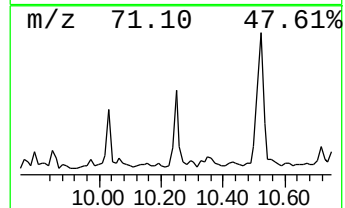
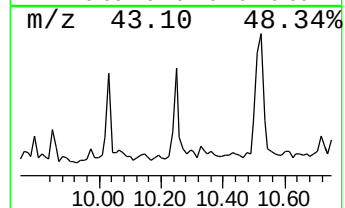
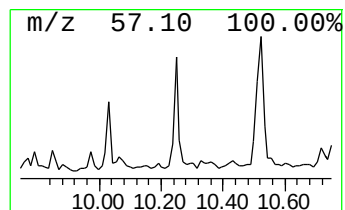
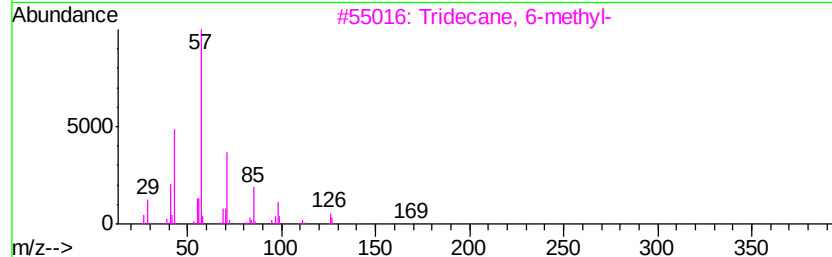
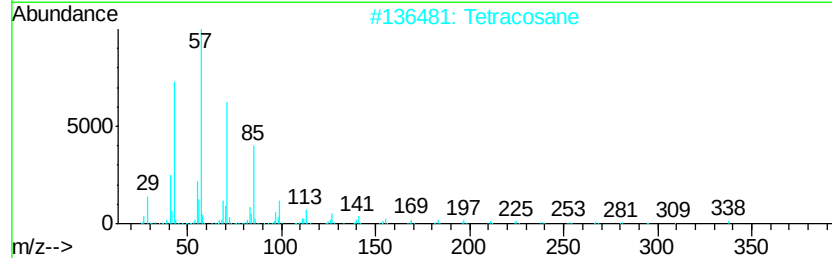
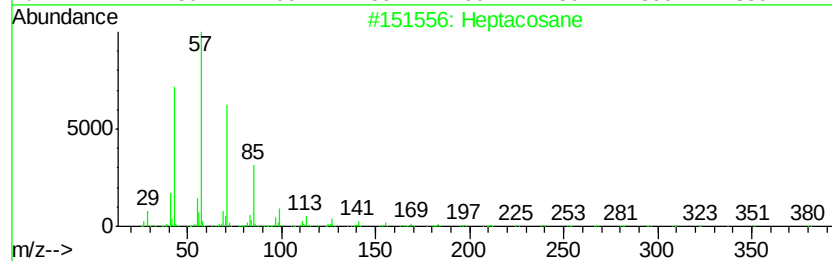
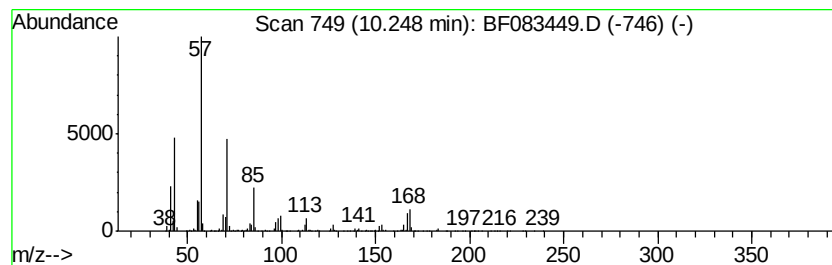
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Peak Number 4 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.25	9.84 ng	702651	Acenaphthene-d10		9.57
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	58
2	Tetracosane	338	C24H50	000646-31-1	53
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
4	Hexadecane	226	C16H34	000544-76-3	53
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	50



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Data File : BF083449.D
Acq On : 3 Dec 2015 7:55
Operator : UM/IZ
Sample : G4582-04 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-P3WC-03(0-8)

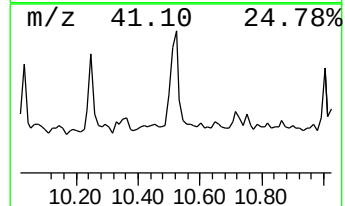
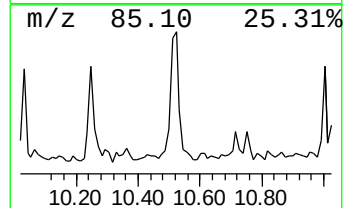
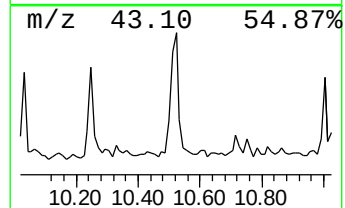
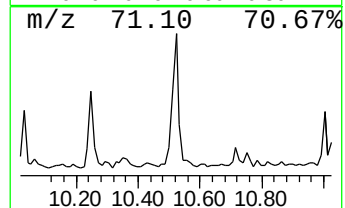
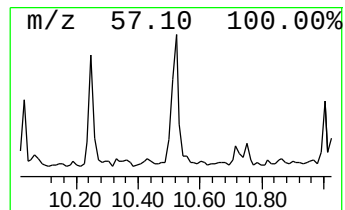
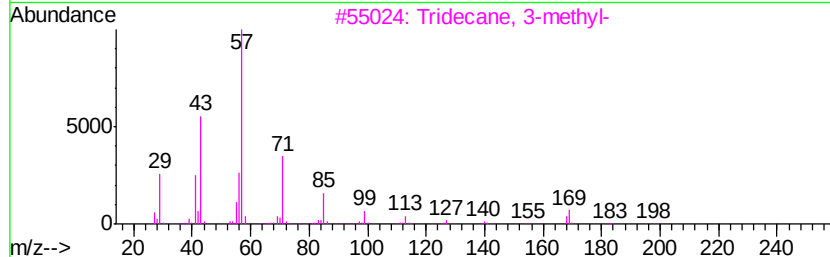
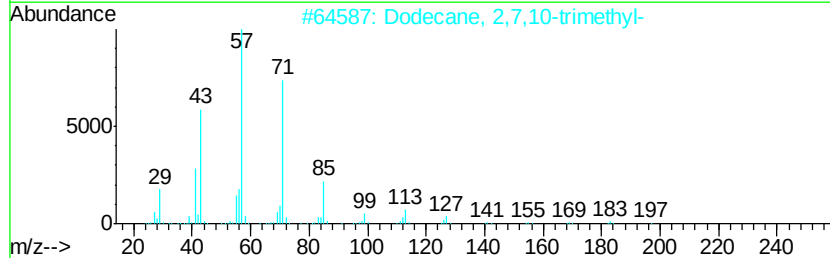
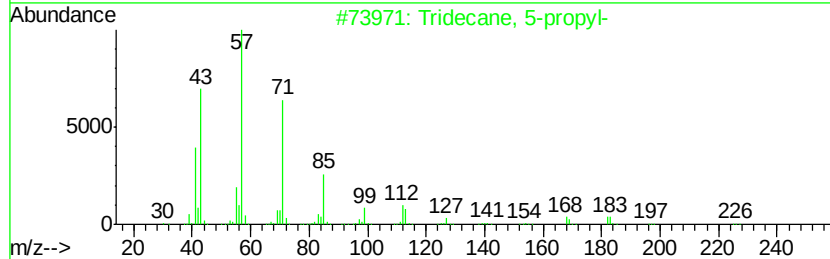
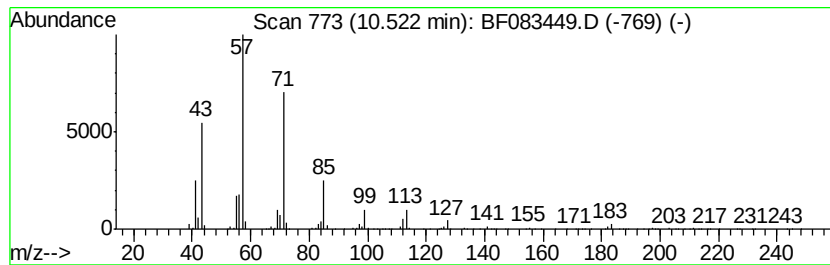
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane, 5-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	15.66 ng	1145280	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	91
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	74
4		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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ClientSampleId :
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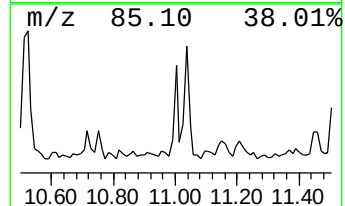
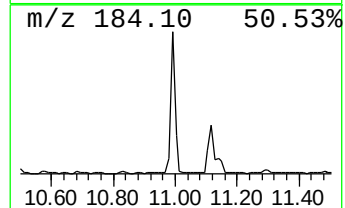
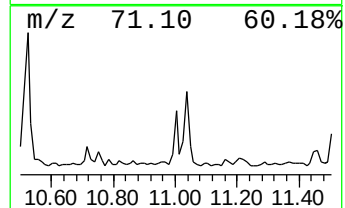
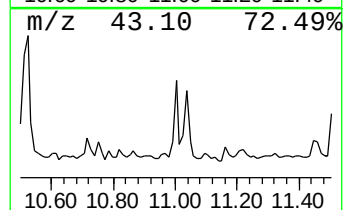
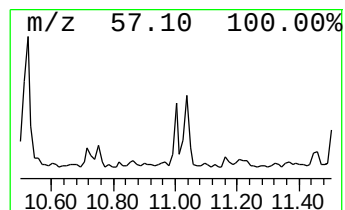
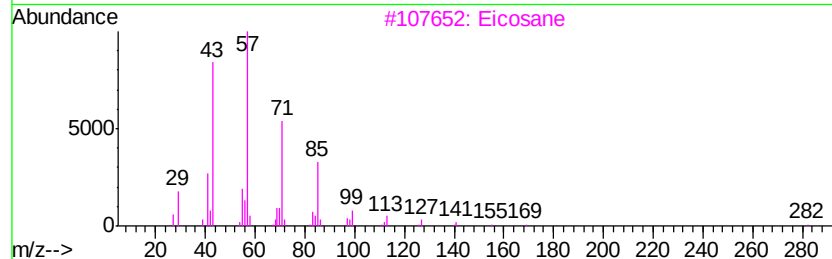
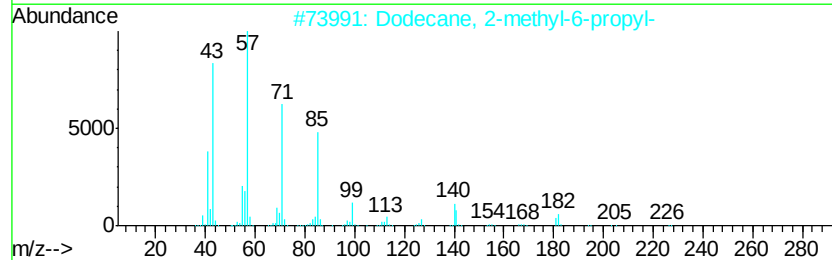
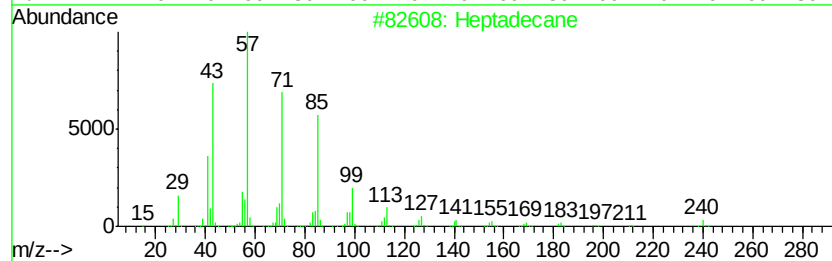
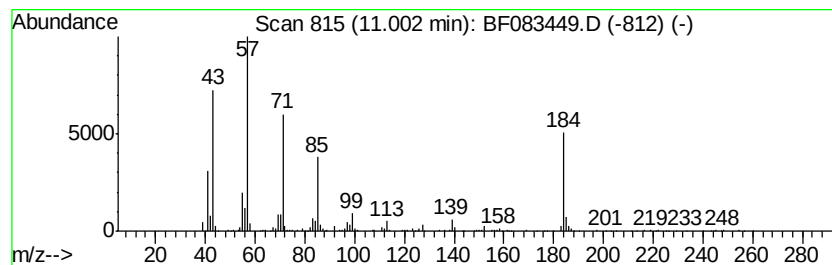
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	9.16 ng	669359	Phenanthrene-d10	11.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	91
2	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	78
3	Eicosane		282	C20H42	000112-95-8	58
4	Heptacosane		380	C27H56	000593-49-7	52
5	Eicosane, 10-methyl-		296	C21H44	054833-23-7	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083449.D
Acq On : 3 Dec 2015 7:55
Operator : UM/IZ
Sample : G4582-04 2X
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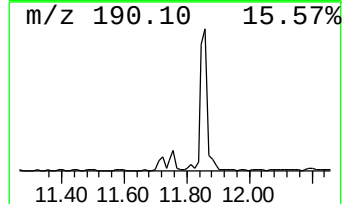
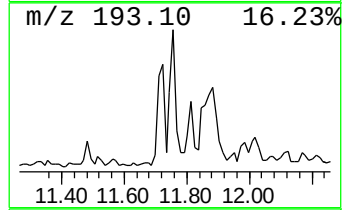
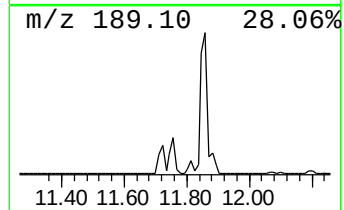
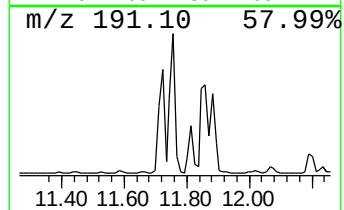
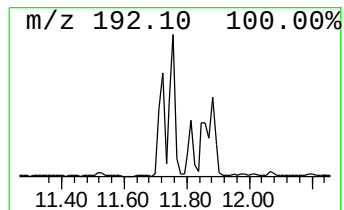
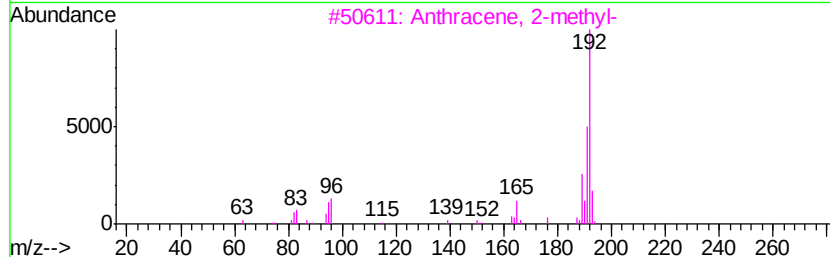
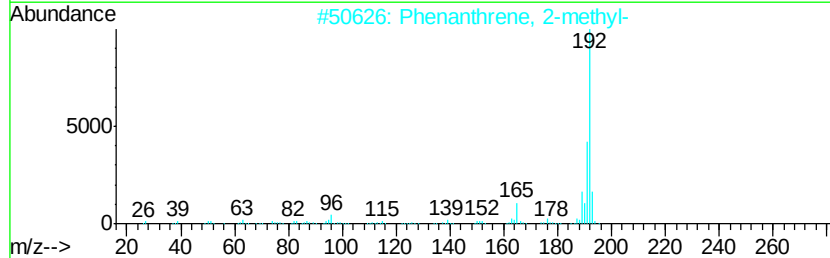
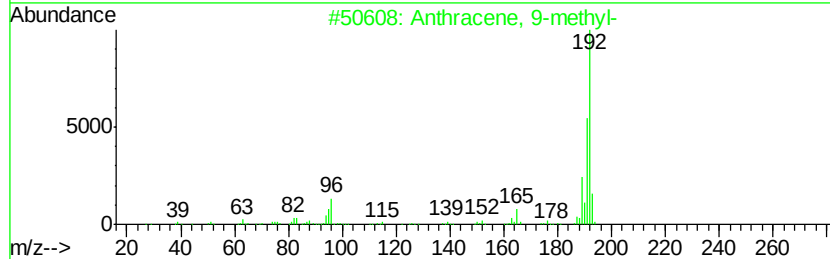
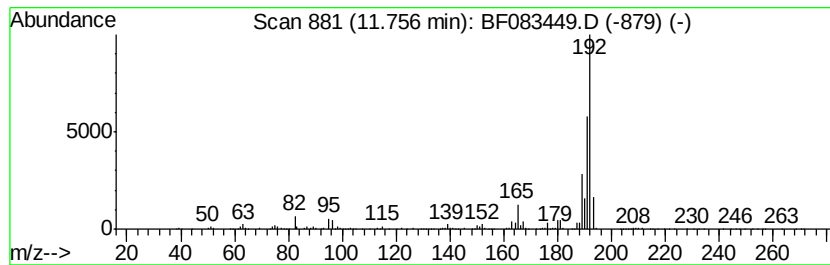
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	9.22 ng	674393	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083449.D
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Operator : UM/IZ
Sample : G4582-04 2X
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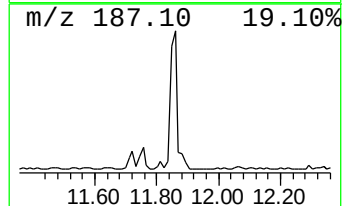
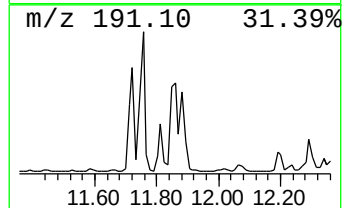
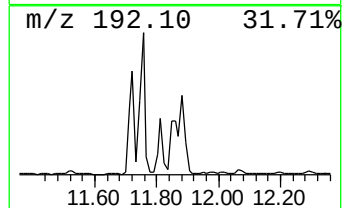
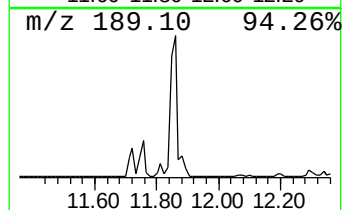
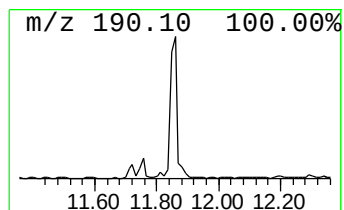
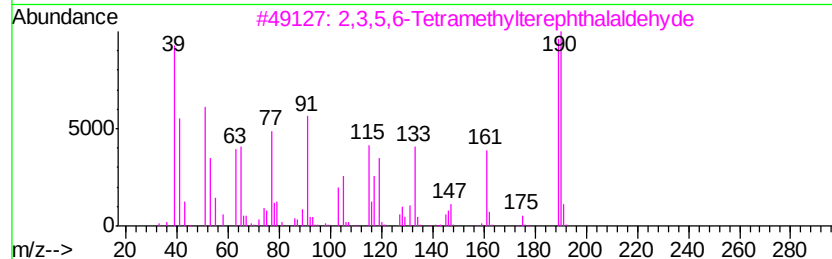
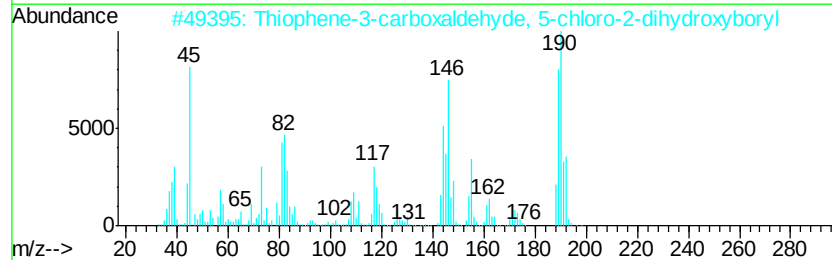
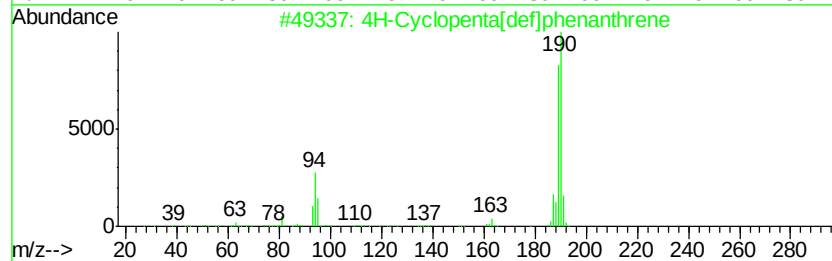
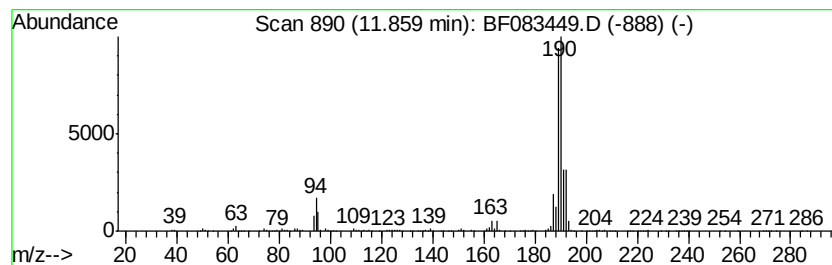
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	12.91 ng	943815	Phenanthrene-d10	11.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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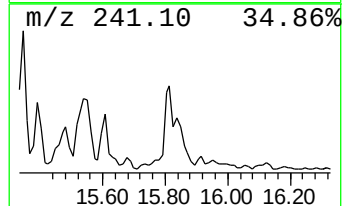
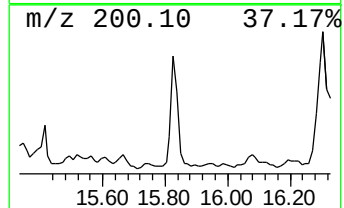
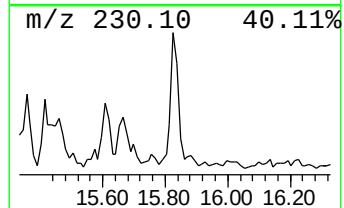
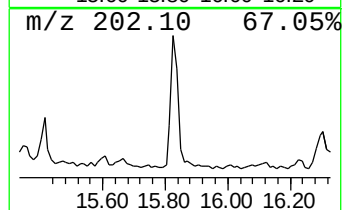
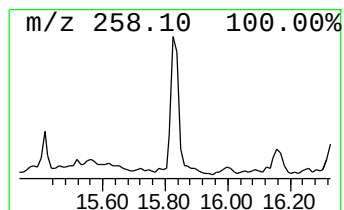
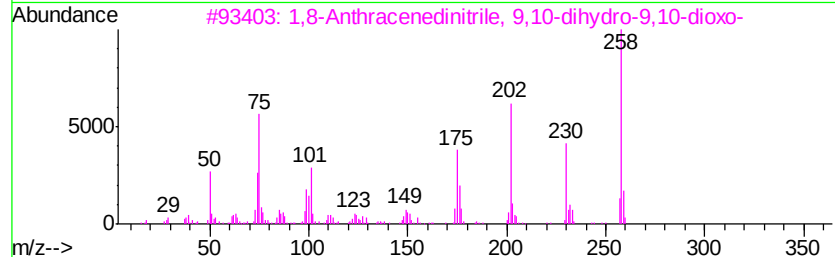
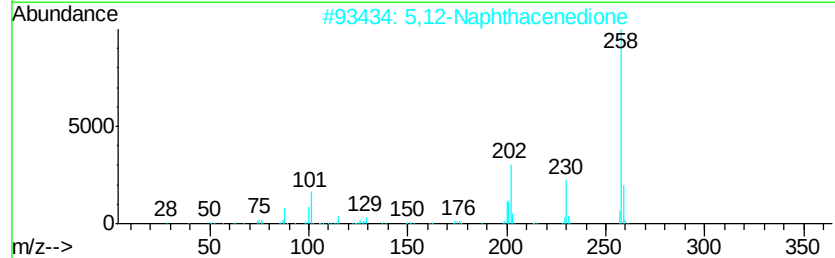
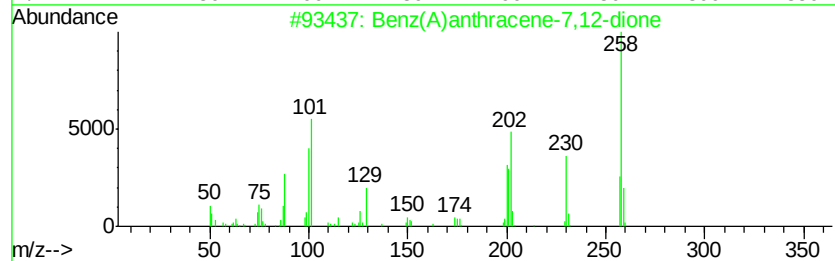
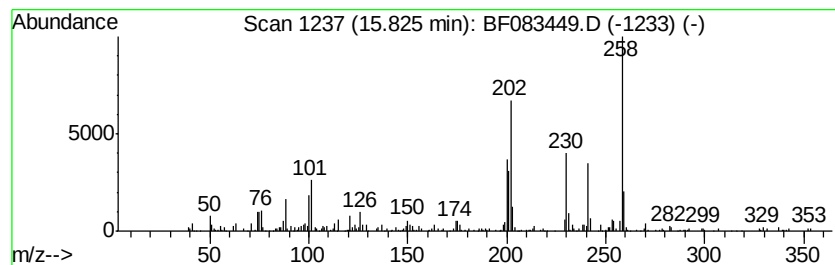
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benz(A)anthracene-7,12-dione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.83	10.50 ng	392434	Perylene-d12		16.81	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	62
4		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	60
5		Fluoranthene	202	C16H10	000206-44-0	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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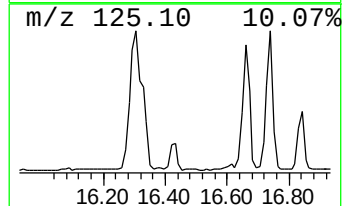
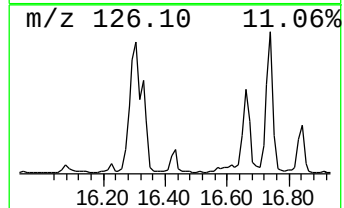
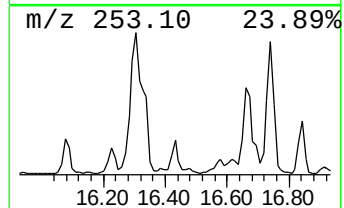
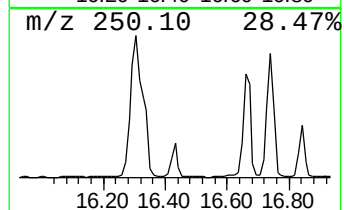
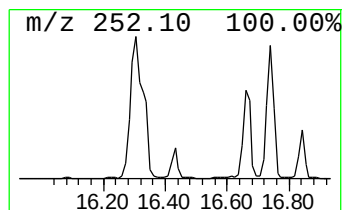
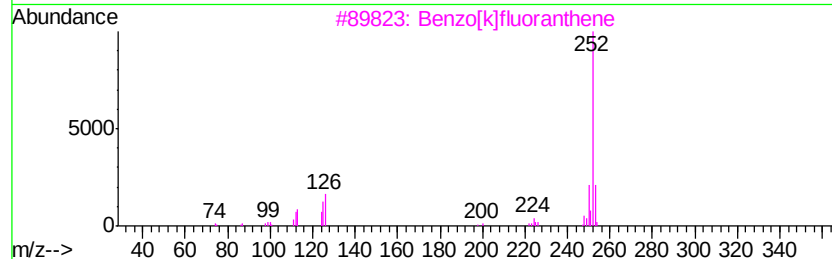
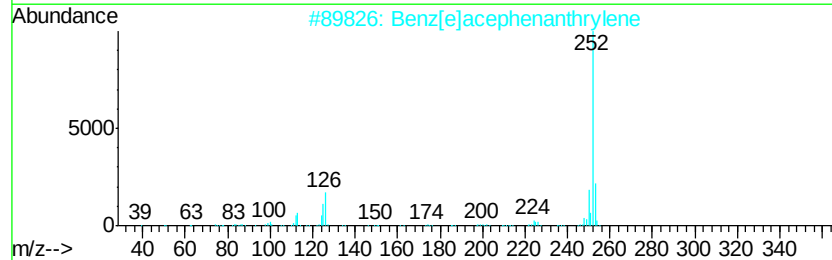
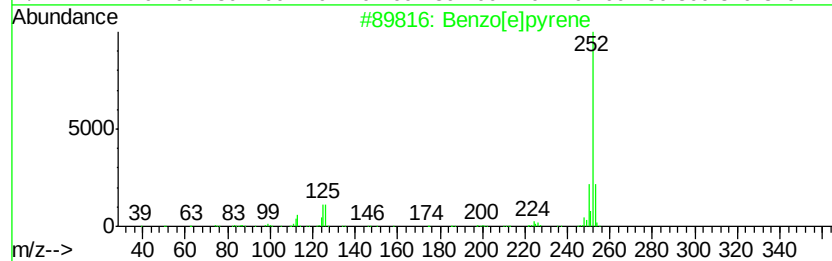
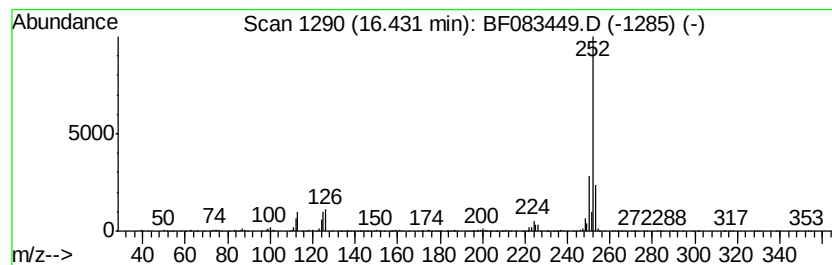
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	18.50 ng	691514	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
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	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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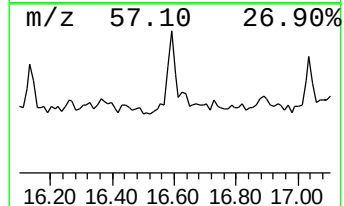
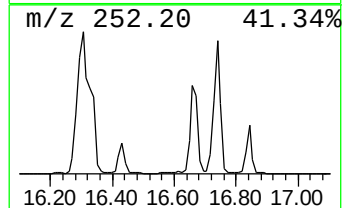
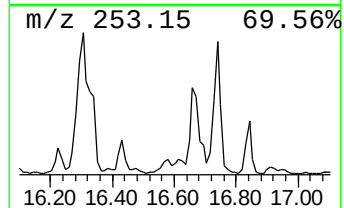
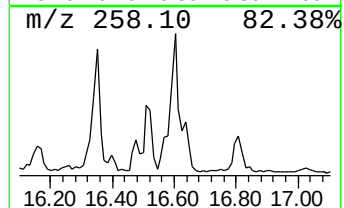
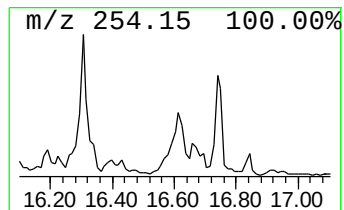
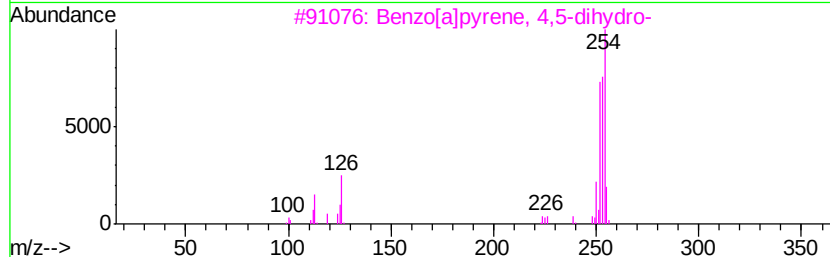
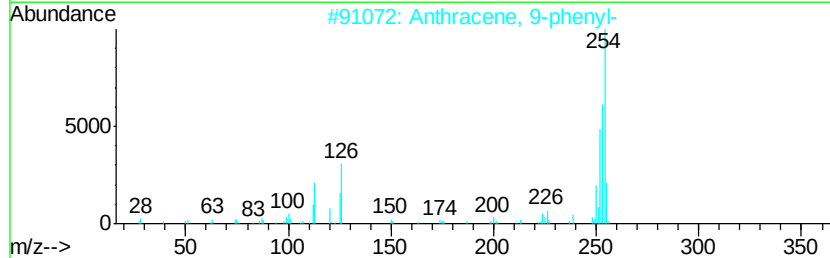
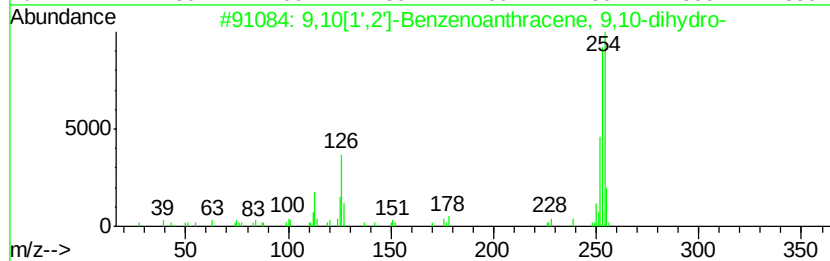
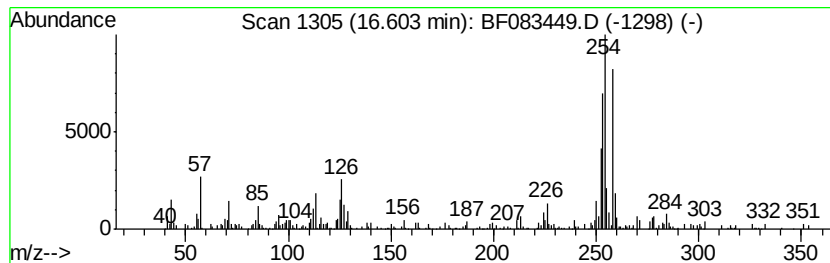
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 9,10[1',2']-Benzenoanthracene... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	17.01 ng	636118	Perylene-d12	16.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254 C20H14	000477-75-8	87
2	Anthracene, 9-phenyl-	254 C20H14	000602-55-1	86
3	Benzo[a]pyrene, 4,5-dihydro-	254 C20H14	057652-66-1	64
4	1,1'-Binaphthalene	254 C20H14	000604-53-5	62
5	1,2'-Binaphthalene	254 C20H14	004325-74-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083449.D
Acq On : 3 Dec 2015 7:55
Operator : UM/IZ
Sample : G4582-04 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

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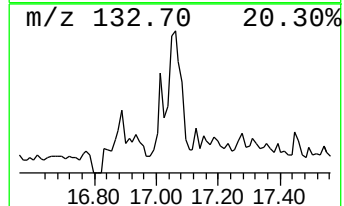
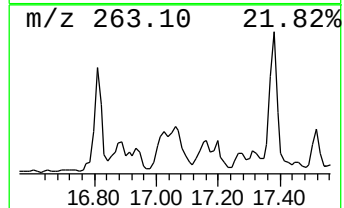
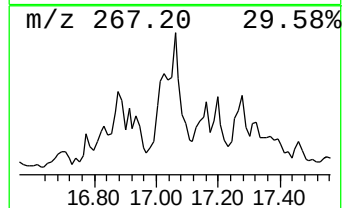
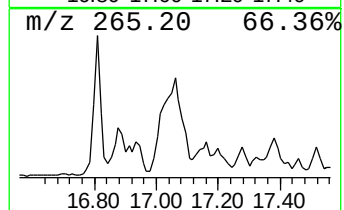
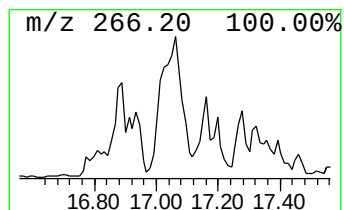
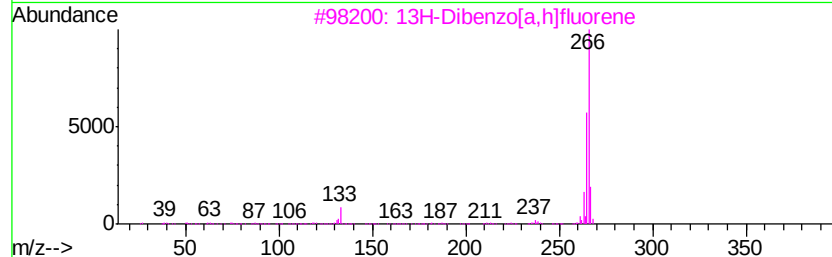
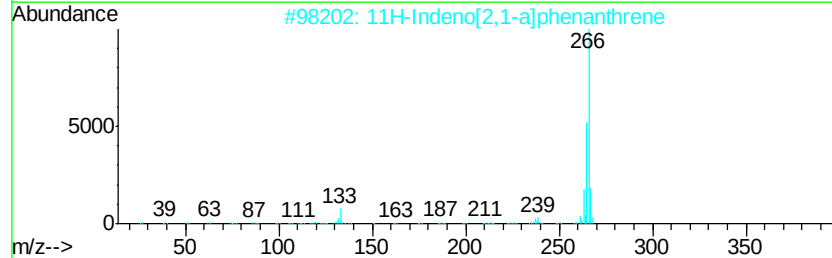
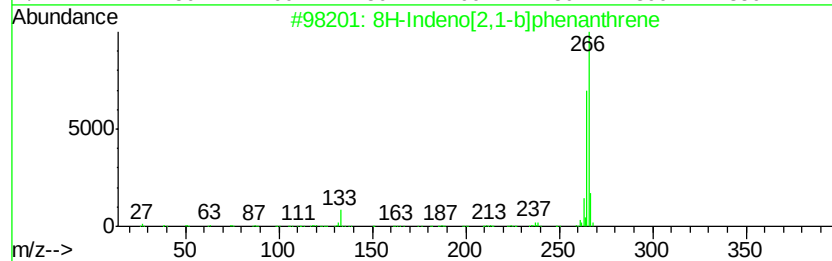
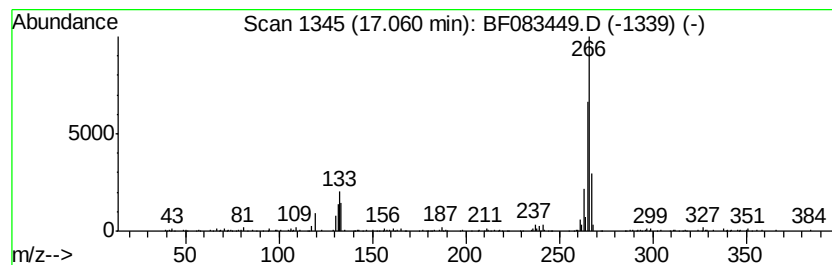
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 8H-Indeno[2,1-b]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	15.73 ng	588148	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	76
2		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	70
3		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	70
4		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	59
5		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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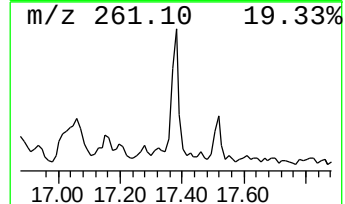
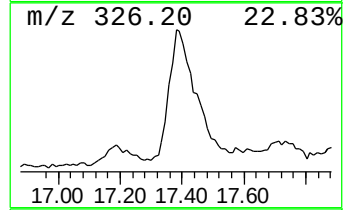
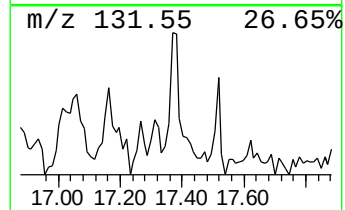
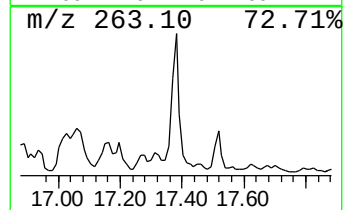
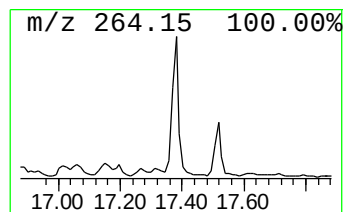
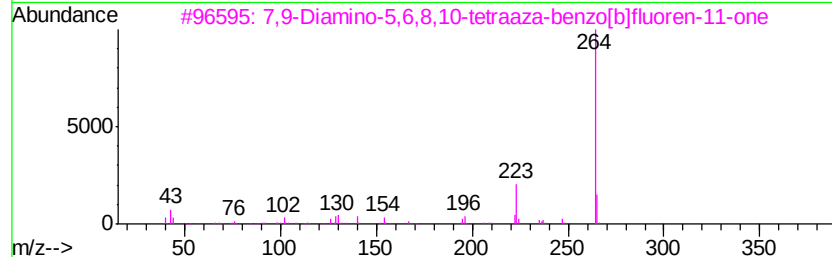
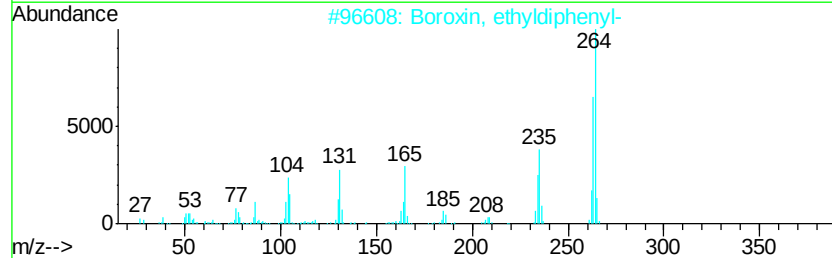
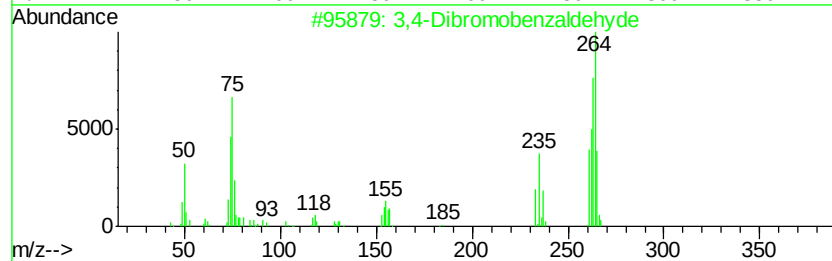
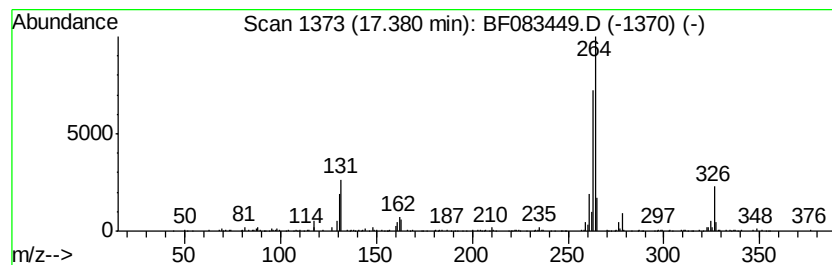
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown17.38 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	9.79 ng	365837	Perylene-d12	16.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde			262	C7H4Br2O	074003-55-7	49
2	Boroxin, ethyldiphenyl-			264	C14H15B3O3	1000151-82-0	42
3	7,9-Diamino-5,6,8,10-tetraaza-be...			264	C13H8N6O	052559-29-2	27
4	Benzenamine, 4-methyl-N-[2-[1-(4...			307	C17H17N5O	274690-74-3	25
5	Iron, (.eta.-5-cyclopentadienyl)...			264	C16H16Fe	1000155-06-6	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083449.D
Acq On : 3 Dec 2015 7:55
Operator : UM/IZ
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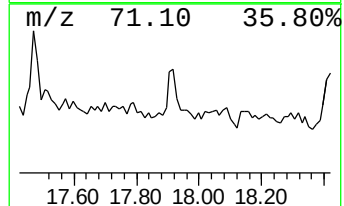
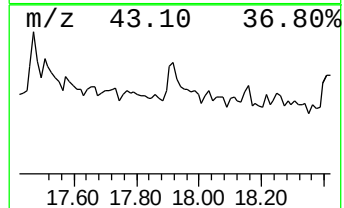
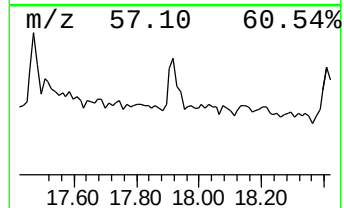
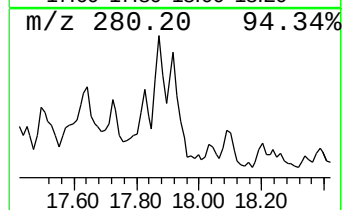
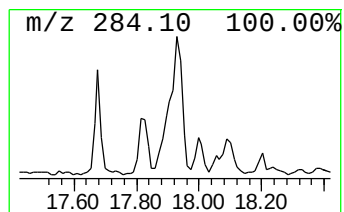
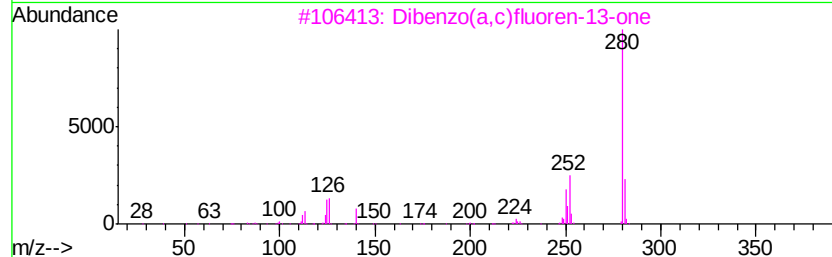
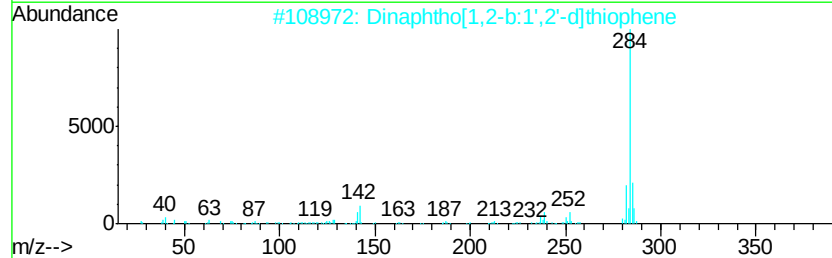
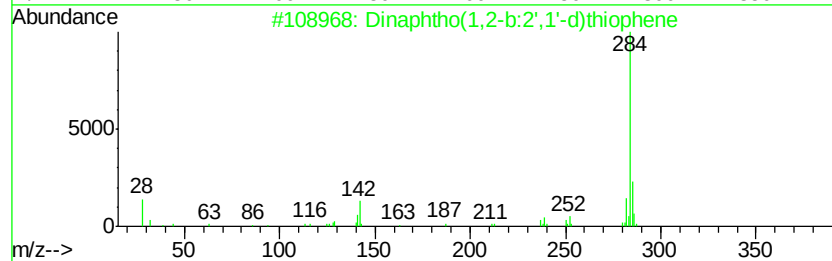
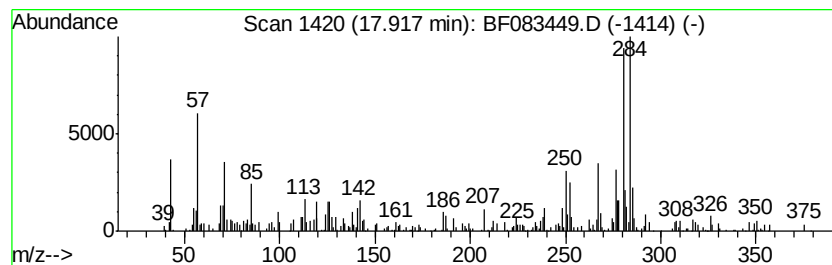
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown17.92 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	12.68 ng	474181	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho(1,2-b:2',1'-d)thiophene	284	C20H12S	000239-72-5	46
2		Dinaphtho[1,2-b:1',2'-d]thiophene	284	C20H12S	000207-94-3	41
3		Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	41
4		2-(9-Acridinyl)-4-methylbenzenea...	284	C20H16N2	035586-77-7	38
5		Phthalazin-1(2H)-one, 4-(4-hydro...	280	C17H16N2O2	203246-97-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
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Acq On : 3 Dec 2015 7:55
Operator : UM/IZ
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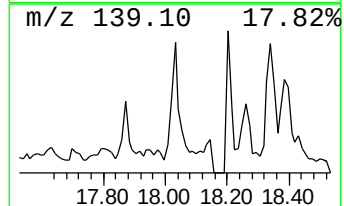
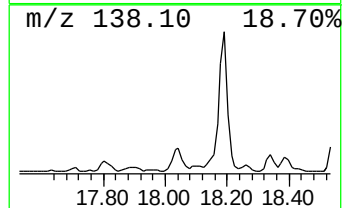
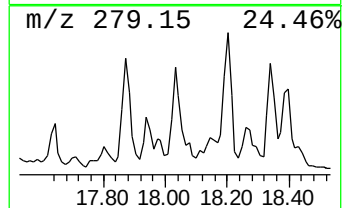
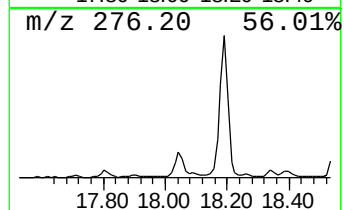
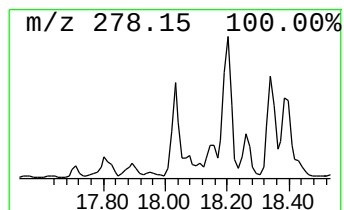
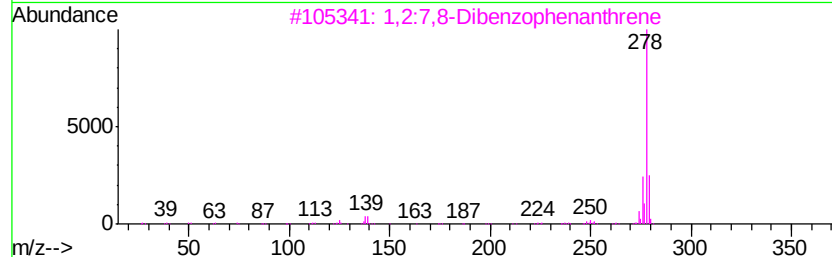
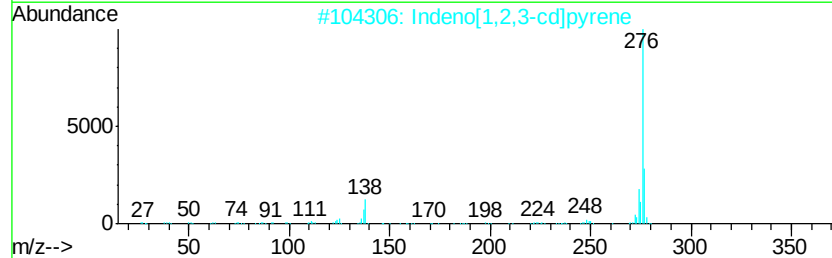
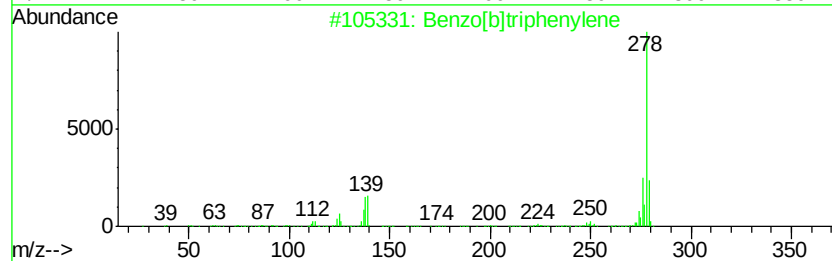
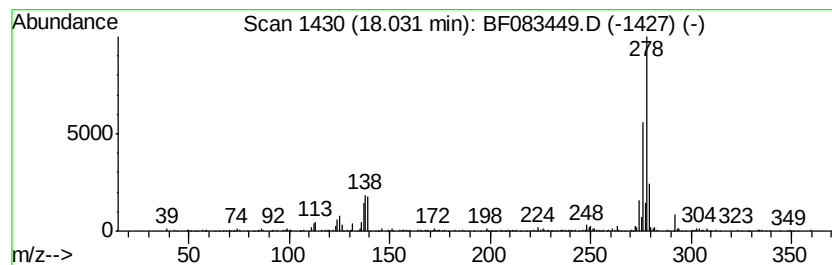
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	13.22 ng	494164	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	83
4		Benzo[ghi]perylene	276	C22H12	000191-24-2	70
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083449.D
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Operator : UM/IZ
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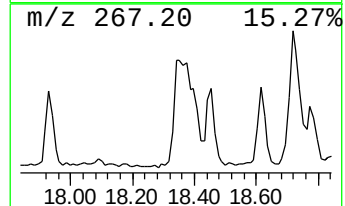
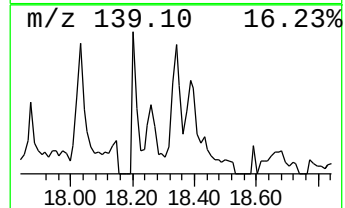
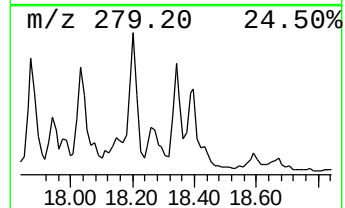
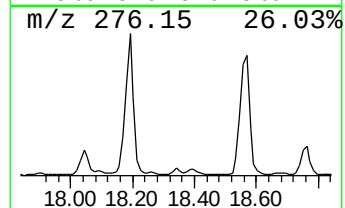
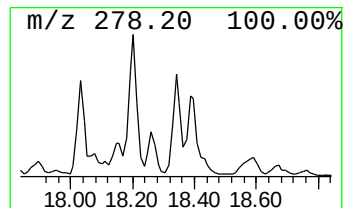
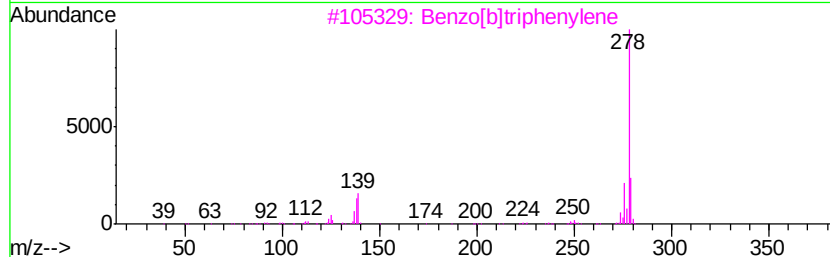
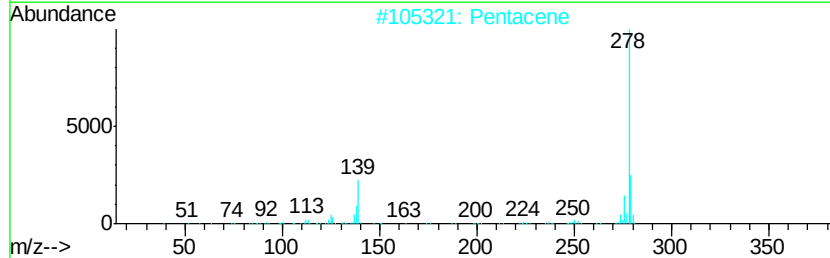
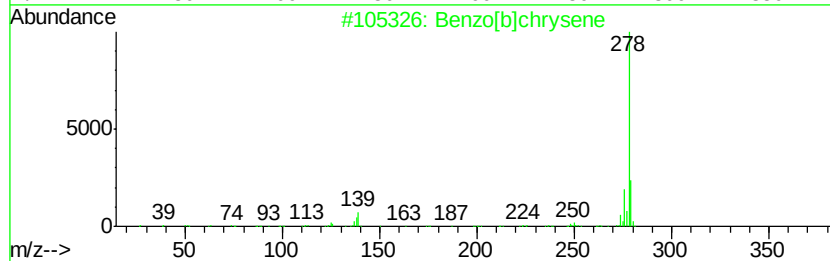
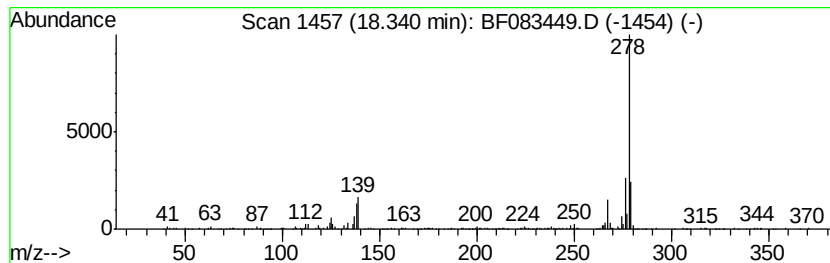
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[b]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	8.68 ng	324671	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]chrysene	278	C22H14	000214-17-5	95
2		Pentacene	278	C22H14	000135-48-8	93
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
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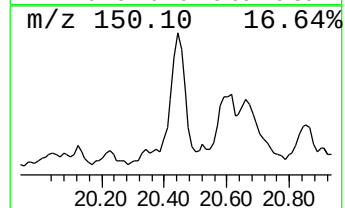
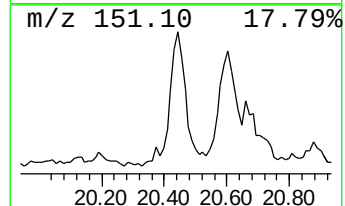
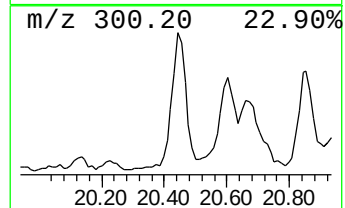
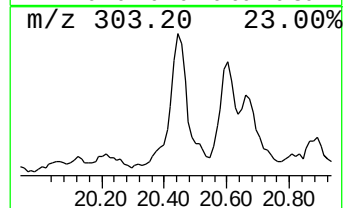
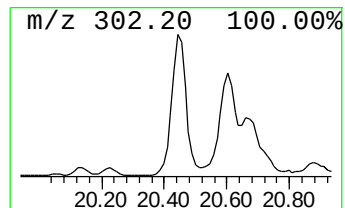
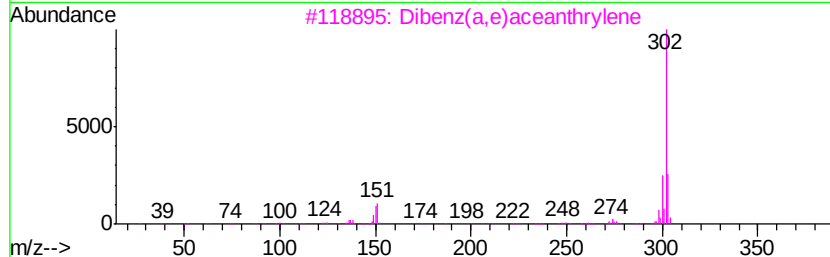
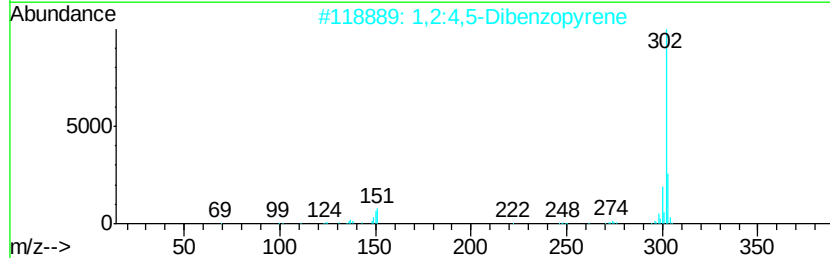
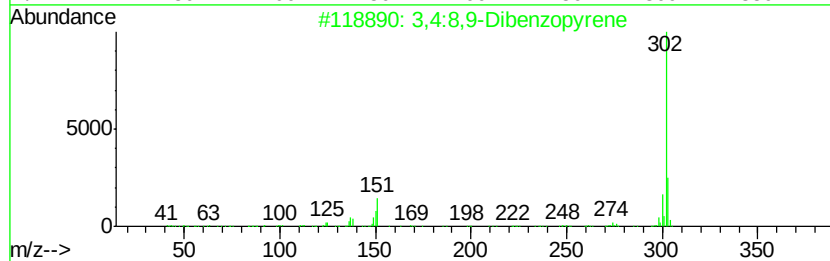
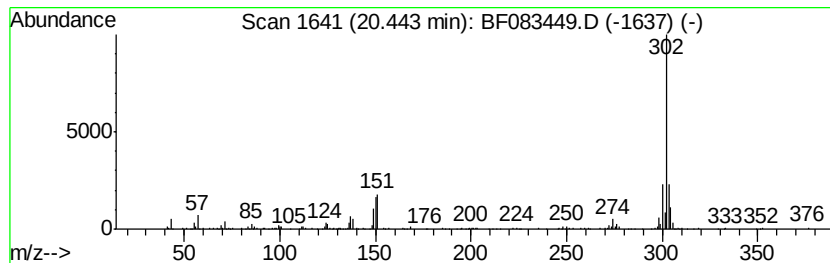
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	17.15 ng	641185	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	94
4		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
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Sample : G4582-04 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-P3WC-03(0-8)

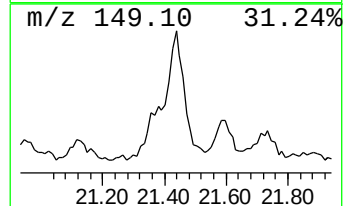
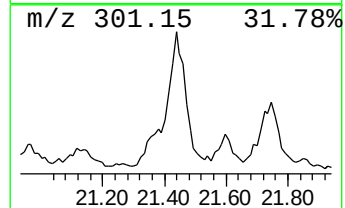
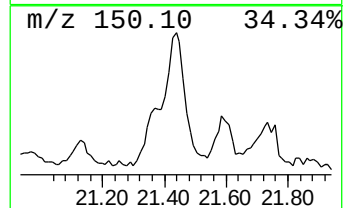
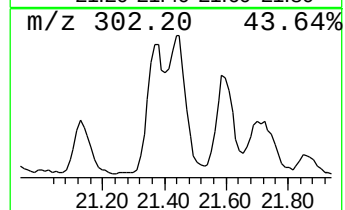
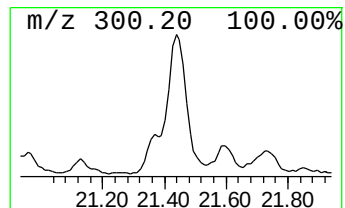
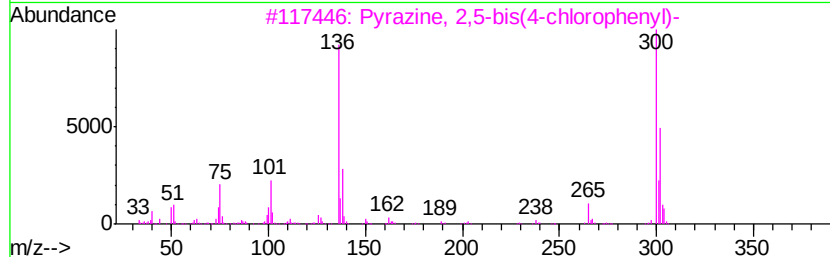
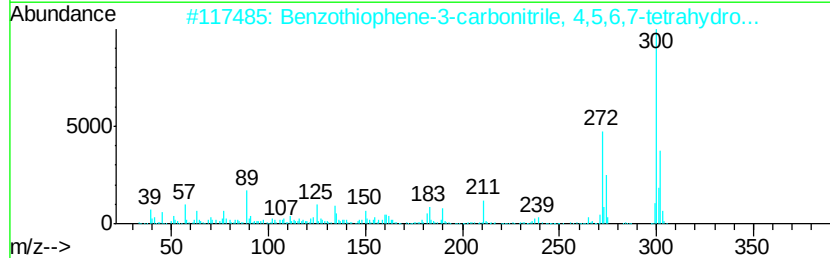
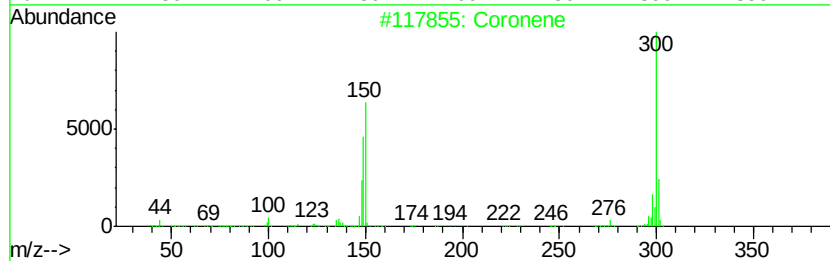
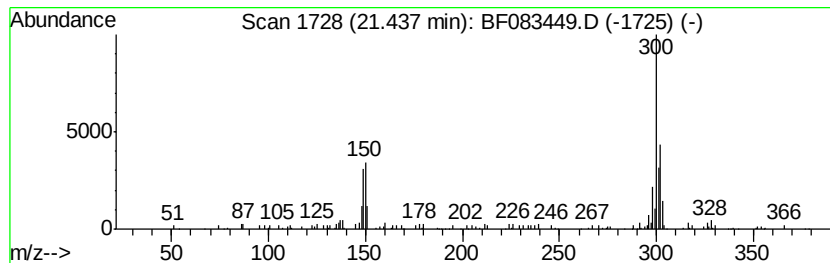
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	10.55 ng	394458	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	64
2		Benzo[thiophene]-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	47
3		Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	47
4		Clobazam	300	C16H13ClN2O2	022316-47-8	38
5		5-(p-(Dimethylamino)benzylidene)...	300	C21H20N2	006256-22-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083449.D
 Acq On : 3 Dec 2015 7:55
 Operator : UM/IZ
 Sample : G4582-04 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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...	4.62	15.6	ng	702235	1	6.53	899671	20.0
unknown6.30	6.30	43.0	ng	1936640	1	6.53	899671	20.0
Heptacosane	10.25	9.8	ng	702651	3	9.57	1428530	20.0
Tridecane, 5-propyl-	10.52	15.7	ng	1145280	4	11.12	1462220	20.0
Heptadecane	11.00	9.2	ng	669359	4	11.12	1462220	20.0
Anthracene, 9-met...	11.76	9.2	ng	674393	4	11.12	1462220	20.0
4H-Cyclopenta[def...	11.86	12.9	ng	943815	4	11.12	1462220	20.0
Benz(A)anthracene...	15.83	10.5	ng	392434	6	16.81	747749	20.0
Benzo[e]pyrene	16.43	18.5	ng	691514	6	16.81	747749	20.0
9,10[1',2']-Benze...	16.60	17.0	ng	636118	6	16.81	747749	20.0
8H-Indeno[2,1-b]p...	17.06	15.7	ng	588148	6	16.81	747749	20.0
unknown17.38	17.38	9.8	ng	365837	6	16.81	747749	20.0
unknown17.92	17.92	12.7	ng	474181	6	16.81	747749	20.0
Benzo[b]triphenylene	18.03	13.2	ng	494164	6	16.81	747749	20.0
Benzo[b]chrysene	18.34	8.7	ng	324671	6	16.81	747749	20.0
3,4:8,9-Dibenzopy...	20.44	17.1	ng	641185	6	16.81	747749	20.0
Coronene	21.44	10.6	ng	394458	6	16.81	747749	20.0