

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
 Data File : BF091821.D
 Acq On : 20 Dec 2016 15:45
 Operator : UM/SJ
 Sample : H6165-05 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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	5.356	284	286	288	rBV	2356988	2144226	6.71%	0.471%
2	6.407	375	378	380	rBV	2022645	2281604	7.14%	0.501%
3	6.522	386	388	391	rBV	1727043	2120068	6.63%	0.465%
4	6.910	420	422	425	rBV	1632902	1606133	5.02%	0.353%
5	7.322	454	458	460	rBV	1556178	1414507	4.42%	0.310%
6	8.065	519	523	526	rBV	4134113	5542446	17.34%	1.217%
7	8.762	581	584	586	rBV	4891280	4591677	14.36%	1.008%
8	8.853	590	592	594	rVB	2751681	3583593	11.21%	0.787%
9	9.116	613	615	618	rVB	1634679	1818631	5.69%	0.399%
10	9.219	621	624	627	rBV	1532349	1397636	4.37%	0.307%
11	9.310	627	632	635	rVB	757003	1382663	4.33%	0.303%
12	9.390	635	639	641	rBV	1776788	2758946	8.63%	0.606%
13	9.459	643	645	646	rBV	2823144	2836222	8.87%	0.623%
14	9.482	646	647	649	rVB	1759651	1579151	4.94%	0.347%
15	9.573	652	655	659	rVB	1476696	1679347	5.25%	0.369%
16	9.653	660	662	665	rVB	1527171	1626610	5.09%	0.357%
17	9.790	671	674	676	rBV2	1113336	2196655	6.87%	0.482%
18	9.836	676	678	680	rVV	7396075	7412314	23.19%	1.627%
19	10.008	690	693	694	rBV	5001177	5274966	16.50%	1.158%
20	10.202	708	710	715	rBV4	567448	1354284	4.24%	0.297%
21	10.351	720	723	725	rVB	6962822	7951581	24.87%	1.745%
22	10.408	725	728	729	rBV	1137494	1842665	5.76%	0.404%
23	10.431	729	730	731	rVV	1674317	1189704	3.72%	0.261%
24	10.476	731	734	735	rVV2	766588	1015478	3.18%	0.223%
25	10.499	735	736	739	rVB	2187062	1985633	6.21%	0.436%
26	10.591	741	744	746	rBV	2597543	3745106	11.72%	0.822%
27	10.705	752	754	758	rVB2	768903	1015446	3.18%	0.223%
28	10.888	767	770	772	rBV3	1836264	2938552	9.19%	0.645%
29	10.968	774	777	779	rVB2	805374	1362873	4.26%	0.299%
30	11.036	779	783	786	rBV4	780404	2709686	8.48%	0.595%
31	11.093	786	788	790	rVB	1090576	1269216	3.97%	0.279%
32	11.139	790	792	793	rBV	714380	1033896	3.23%	0.227%
33	11.173	793	795	800	rVB	2387210	3272707	10.24%	0.718%
34	11.333	802	809	811	rBV	11062486	31966871	100.00%	7.016%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.379	811	813	817	rVB	8890366	11333997	35.46%	2.488%
36	11.516	821	825	829	rBV2	2788981	4592923	14.37%	1.008%
37	11.585	829	831	832	rBV2	873034	1250097	3.91%	0.274%
38	11.619	832	834	836	rVB2	996701	1253238	3.92%	0.275%
39	11.791	846	849	850	rBV	4119164	5061973	15.84%	1.111%
40	11.814	850	851	853	rVB	4258222	5469575	17.11%	1.201%
41	11.871	853	856	857	rBV	3019837	3384547	10.59%	0.743%
42	11.905	857	859	863	rVB2	6889148	11061485	34.60%	2.428%
43	12.076	872	874	876	rVV	2639539	2829532	8.85%	0.621%
44	12.111	876	877	879	rVB	1126864	1377726	4.31%	0.302%
45	12.339	894	897	898	rBV	1489807	2360961	7.39%	0.518%
46	12.374	898	900	903	rVB2	1150617	1980410	6.20%	0.435%
47	12.442	903	906	908	rVB2	1053260	1837333	5.75%	0.403%
48	12.534	908	914	916	rBV	10446798	26618982	83.27%	5.843%
49	12.648	922	924	926	rBV	1905486	2268282	7.10%	0.498%
50	12.751	926	933	935	rBV2	10318408	27101093	84.78%	5.948%
51	12.854	939	942	944	rBV2	2349862	4687384	14.66%	1.029%
52	12.888	944	945	947	rVB	2735491	2202291	6.89%	0.483%
53	12.945	947	950	954	rBV3	2407932	6018638	18.83%	1.321%
54	13.059	954	960	962	rBV	4343466	9478449	29.65%	2.080%
55	13.128	962	966	968	rBV	4754890	7221476	22.59%	1.585%
56	13.162	968	969	973	rVV2	3379854	4346865	13.60%	0.954%
57	13.254	975	977	978	rBV	1759566	1617181	5.06%	0.355%
58	13.288	978	980	983	rVB	1772371	2500868	7.82%	0.549%
59	13.368	983	987	989	rVB3	516498	1054203	3.30%	0.231%
60	13.471	991	996	1000	rBV5	1001417	3726824	11.66%	0.818%
61	13.539	1000	1002	1003	rBV	964291	1450515	4.54%	0.318%
62	13.562	1003	1004	1008	rVB	1303920	1776555	5.56%	0.390%
63	13.677	1011	1014	1015	rBV	2104187	3411008	10.67%	0.749%
64	13.699	1015	1016	1017	rVV	2811109	2870407	8.98%	0.630%
65	13.734	1017	1019	1021	rVV2	2253934	4187820	13.10%	0.919%
66	13.779	1021	1023	1026	rVB2	1208636	1862959	5.83%	0.409%
67	13.837	1026	1028	1031	rVB	687895	1232633	3.86%	0.271%
68	13.939	1031	1037	1038	rBV2	7343175	20079577	62.81%	4.407%
69	13.974	1038	1040	1043	rVV	7128818	13599063	42.54%	2.985%
70	14.042	1043	1046	1048	rVV	3315186	4710181	14.73%	1.034%
71	14.077	1048	1049	1051	rVV2	1810175	2573435	8.05%	0.565%

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72	14.122	1051	1053	1054	rVV2	1910516	2258501	7.07%	0.496%
73	14.157	1054	1056	1062	rVB3	2177978	3959622	12.39%	0.869%
74	14.282	1065	1067	1068	rBV	1106390	1974324	6.18%	0.433%
75	14.317	1068	1070	1071	rVV	3131838	3714231	11.62%	0.815%
76	14.351	1071	1073	1074	rVV2	1673274	1852818	5.80%	0.407%
77	14.408	1074	1078	1080	rVV3	1786500	3776615	11.81%	0.829%
78	14.465	1080	1083	1084	rVV2	2530416	4319881	13.51%	0.948%
79	14.500	1084	1086	1089	rVB3	1250192	2330477	7.29%	0.512%
80	14.637	1094	1098	1101	rBV3	1091389	3015984	9.43%	0.662%
81	14.797	1109	1112	1114	rBV	963317	1486134	4.65%	0.326%
82	14.980	1121	1128	1133	rVV	6612089	23431352	73.30%	5.143%
83	15.060	1133	1135	1137	rVV	3172976	3500824	10.95%	0.768%
84	15.151	1139	1143	1144	rBV	844268	2226188	6.96%	0.489%
85	15.185	1144	1146	1148	rVV	886385	1752841	5.48%	0.385%
86	15.254	1148	1152	1154	rVV	3769754	9583685	29.98%	2.104%
87	15.322	1154	1158	1160	rVV	6055302	13396509	41.91%	2.940%
88	15.391	1160	1164	1167	rVV3	2987850	6291704	19.68%	1.381%
89	15.562	1173	1179	1181	rVB2	903111	3016361	9.44%	0.662%
90	15.757	1192	1196	1198	rBV	554400	1199801	3.75%	0.263%
91	15.871	1204	1206	1211	rVV	1163149	1981628	6.20%	0.435%
92	16.523	1260	1263	1273	rBV3	647854	2879935	9.01%	0.632%
93	16.740	1275	1282	1284	rBV2	2917910	8999756	28.15%	1.975%
94	16.785	1284	1286	1289	rVB	613267	1036304	3.24%	0.227%
95	16.877	1289	1294	1296	rBV	1023693	2609086	8.16%	0.573%
96	17.151	1311	1318	1323	rBV	2249473	7386274	23.11%	1.621%
97	17.265	1324	1328	1331	rVV4	429791	1346385	4.21%	0.296%
98	17.357	1331	1336	1341	rVB2	1211479	3299661	10.32%	0.724%
99	19.197	1490	1497	1503	rVB	747215	2960343	9.26%	0.650%
100	19.369	1506	1512	1516	rBV	421163	1719247	5.38%	0.377%

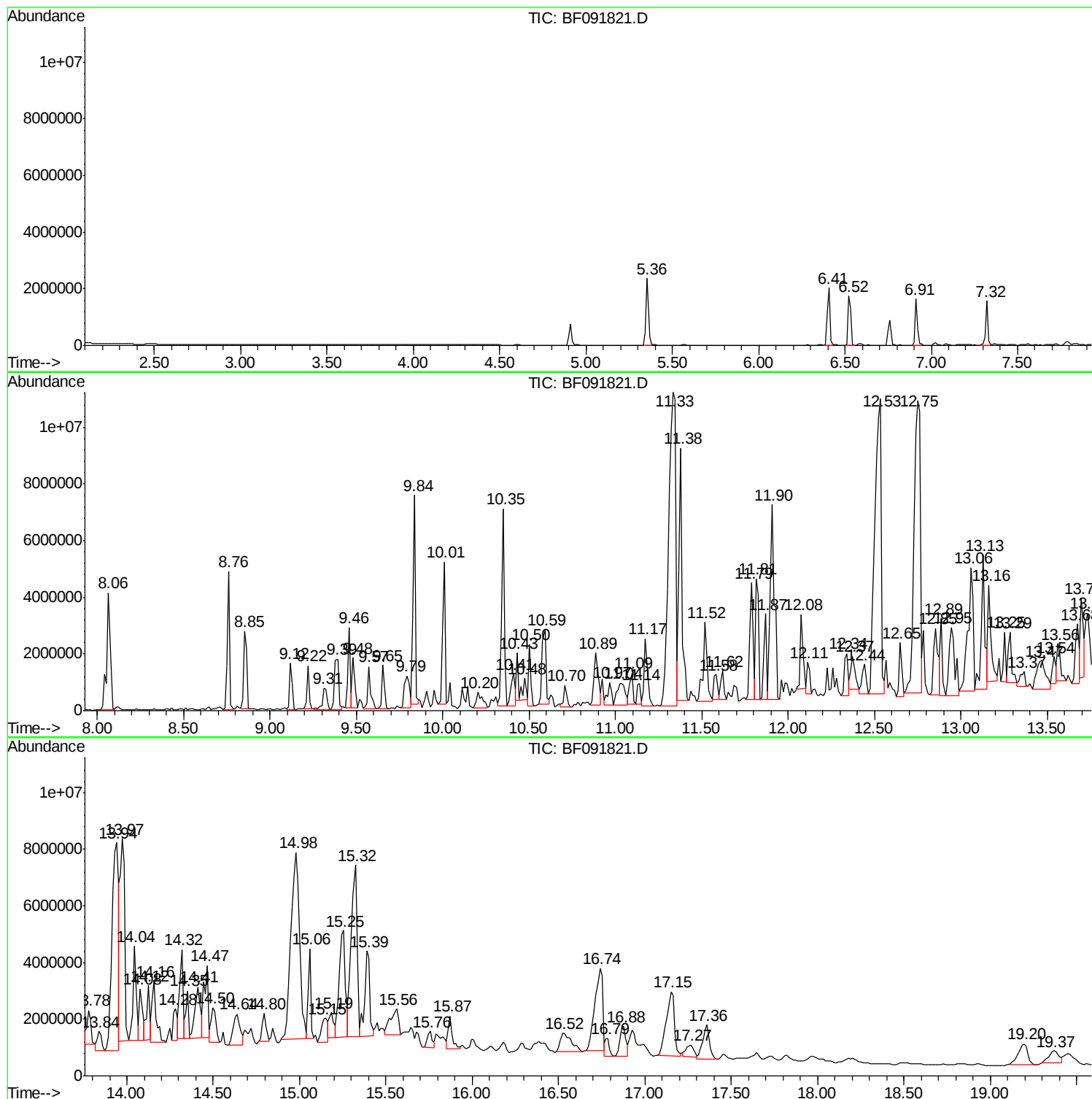
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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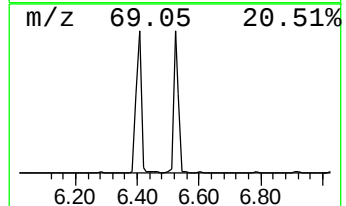
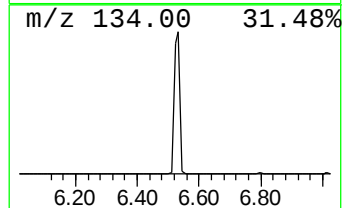
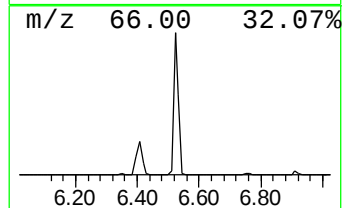
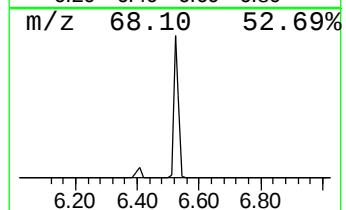
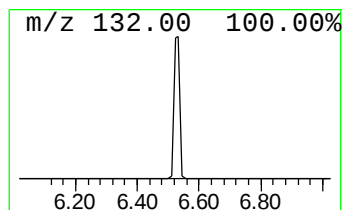
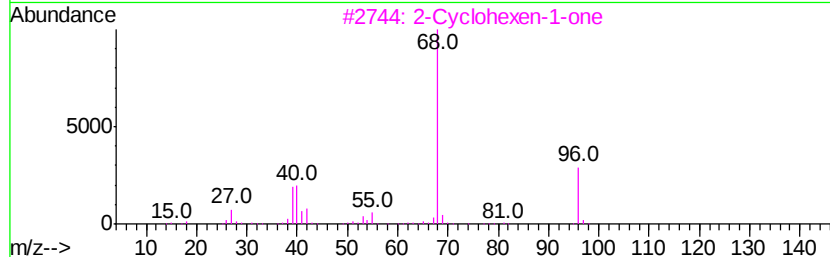
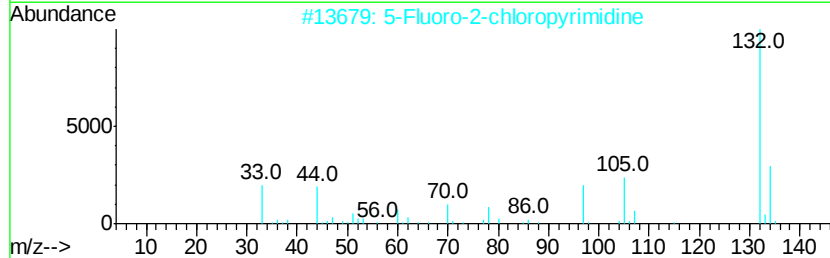
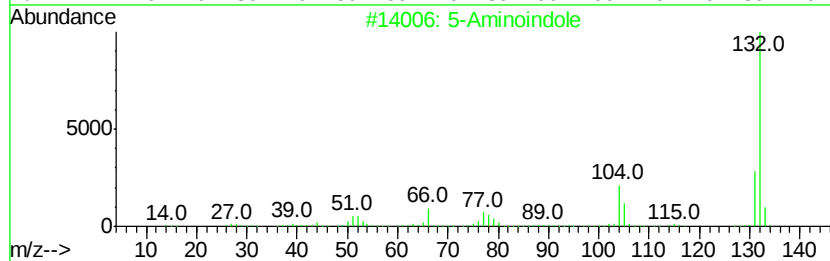
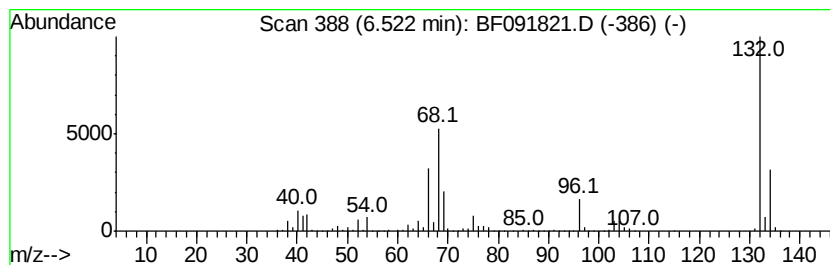
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	26.40 ng	2120070	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Aminoindole	132	C8H8N2	005192-03-0	22
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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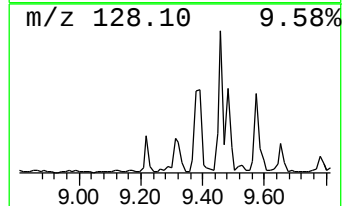
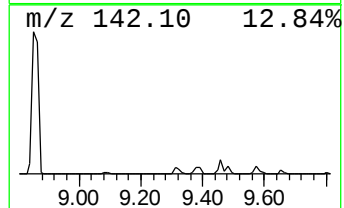
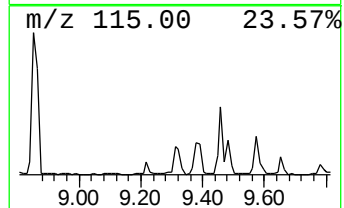
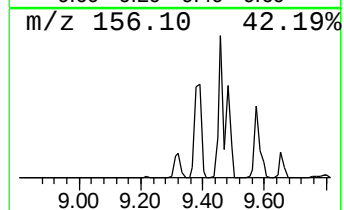
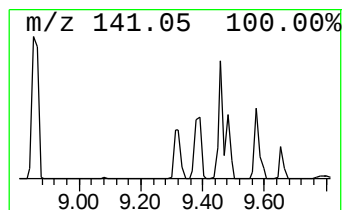
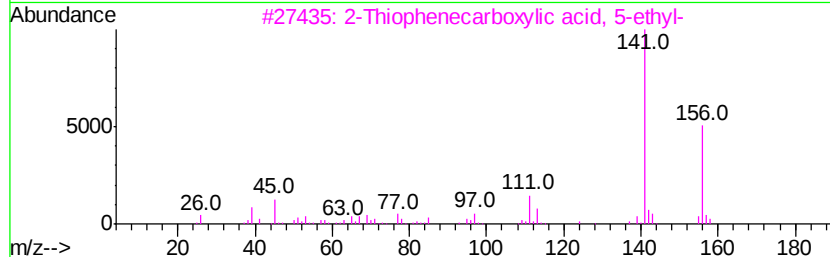
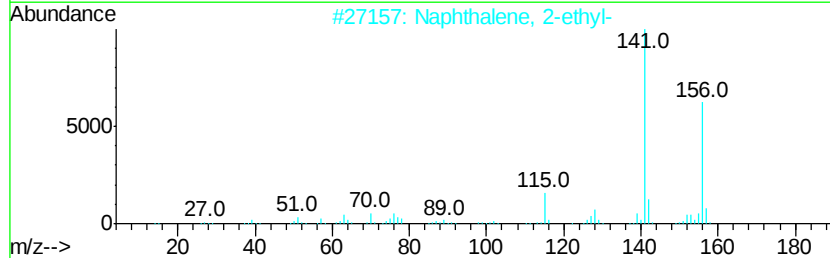
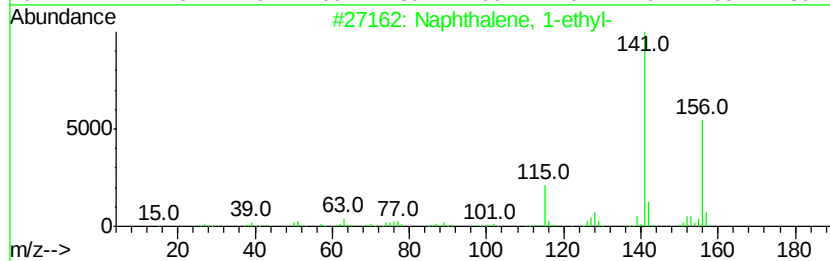
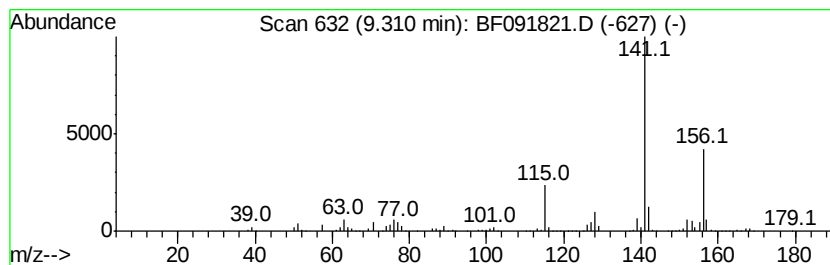
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	12.59 ng	1382660	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3		2-Thiophenecarboxylic acid, 5-ethyl-	156	C7H8O2S	023229-72-3	64
4		3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	53
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	49



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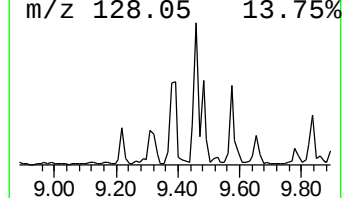
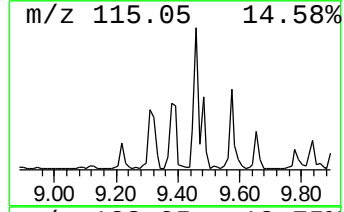
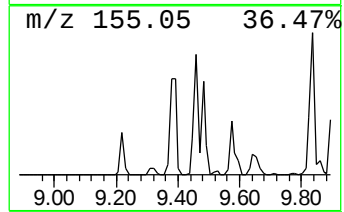
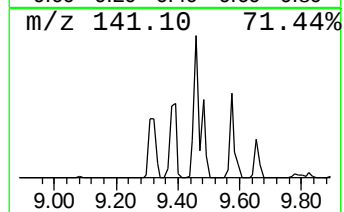
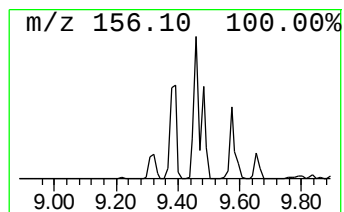
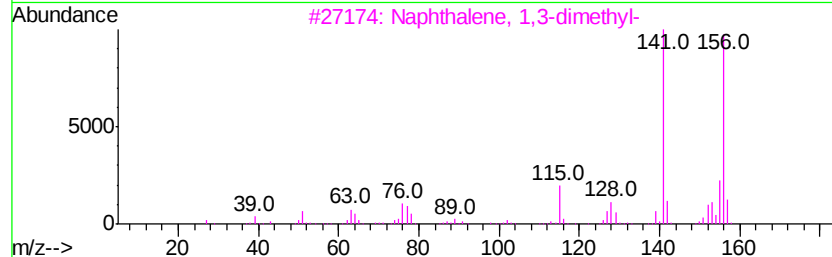
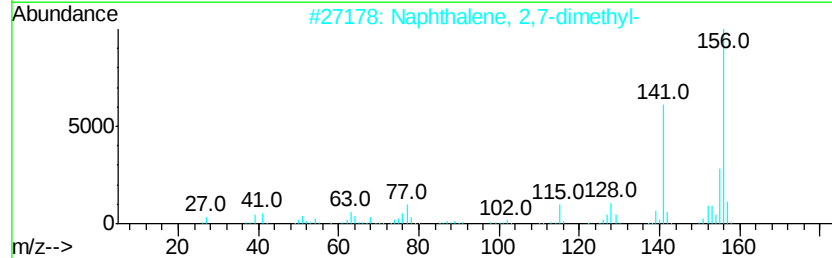
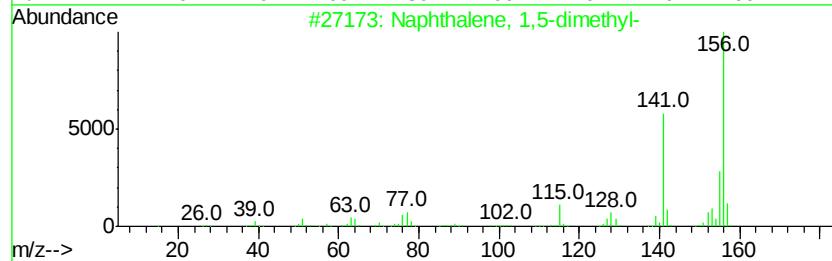
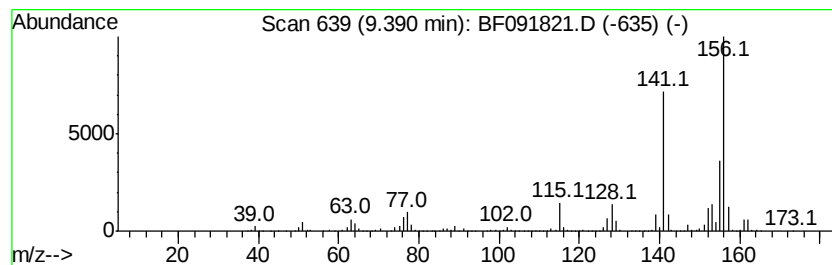
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Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	25.12 ng	2758950	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091821.D
Acq On : 20 Dec 2016 15:45
Operator : UM/SJ
Sample : H6165-05 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-1-9-10

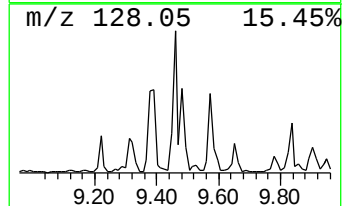
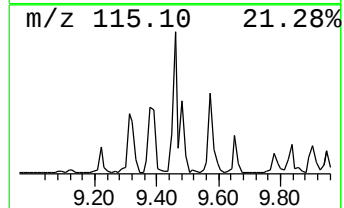
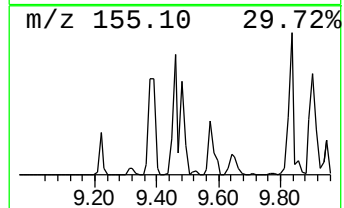
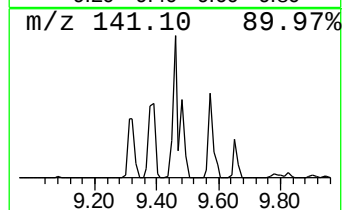
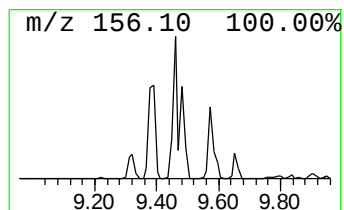
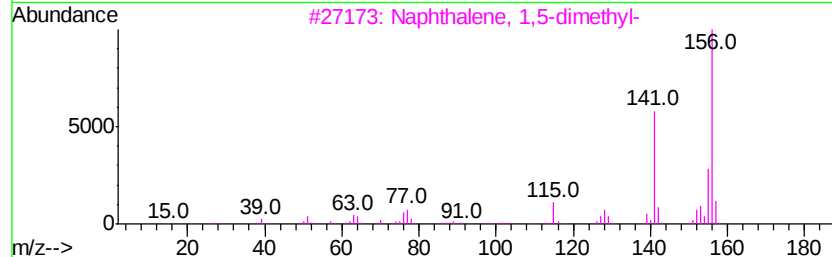
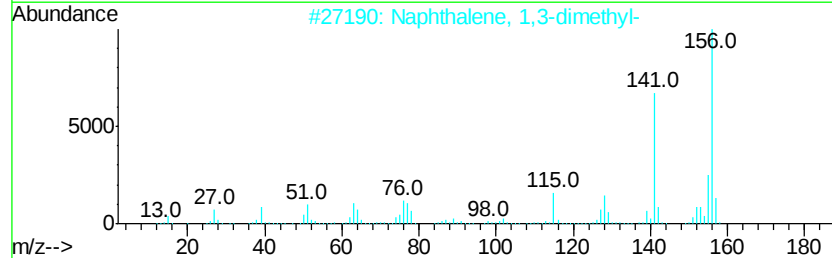
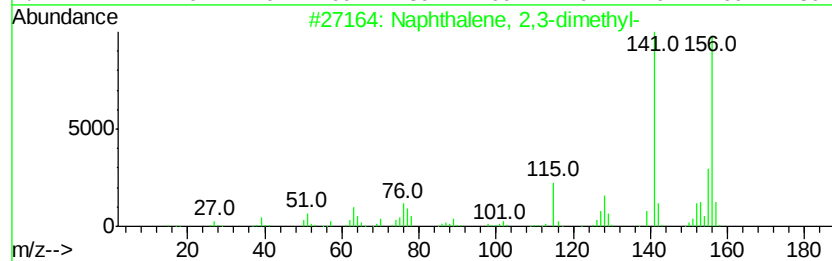
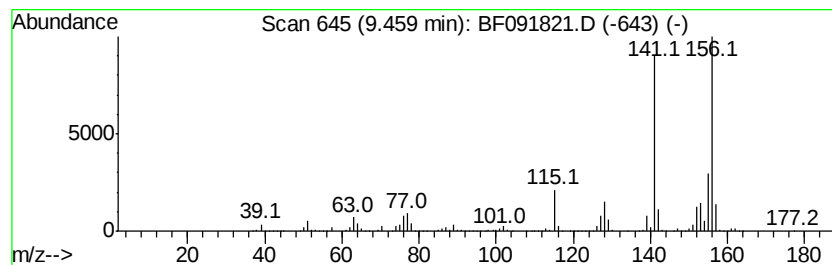
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	25.82 ng	2836220	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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Sample : H6165-05 2X
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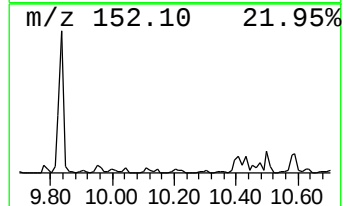
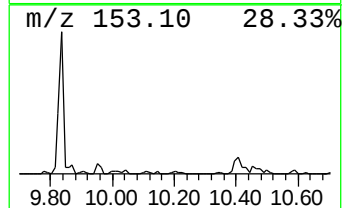
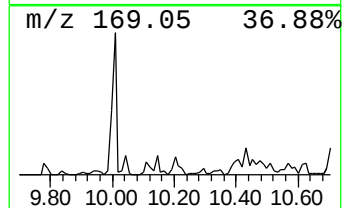
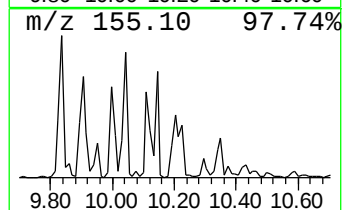
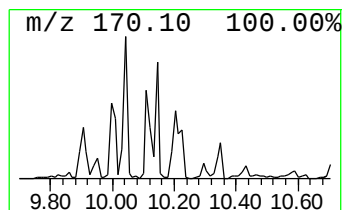
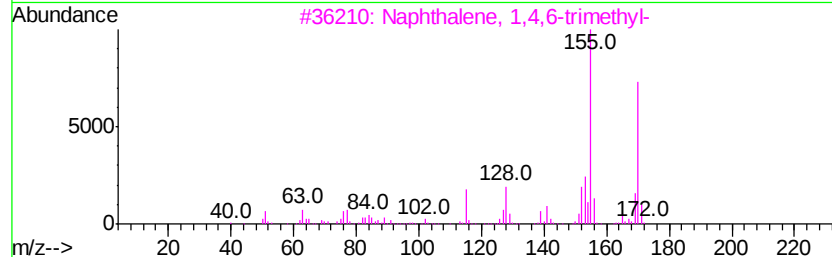
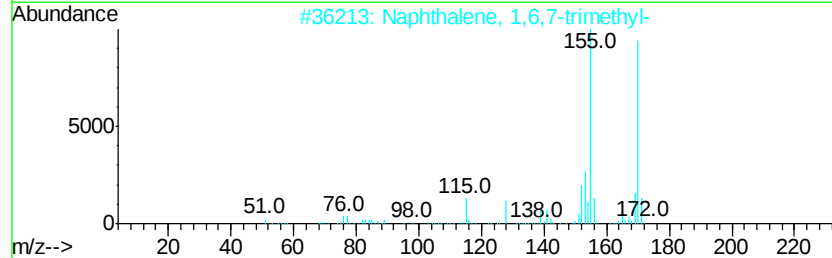
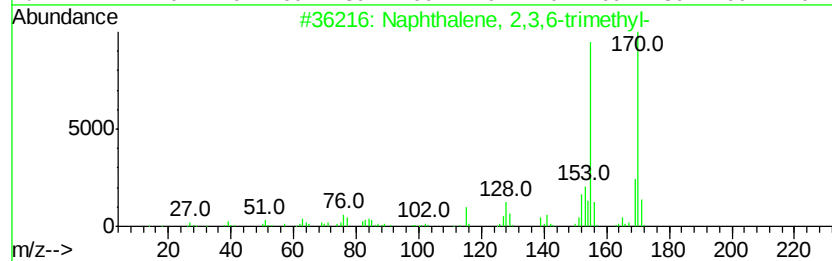
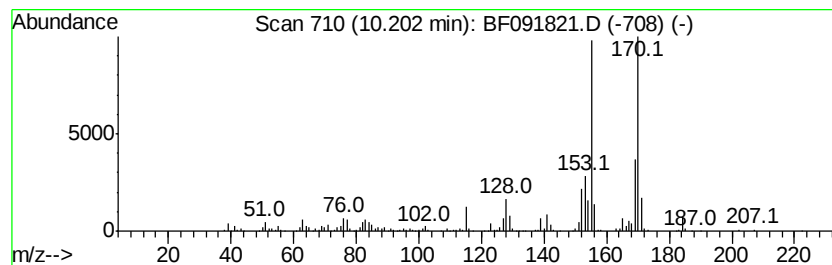
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.20	12.33 ng	1354280	Acenaphthene-d10		9.80	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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ClientSampleId :
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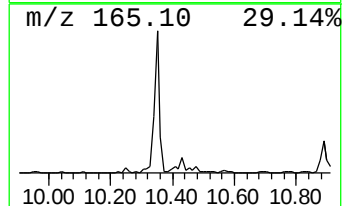
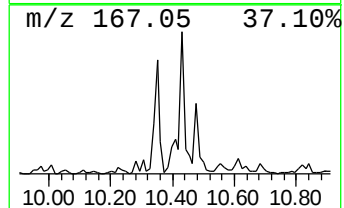
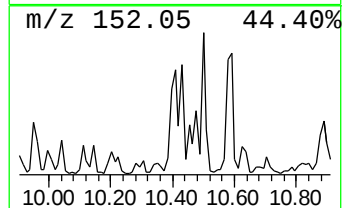
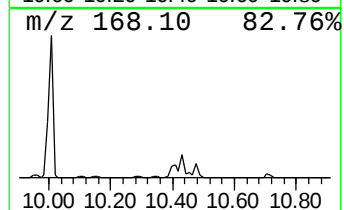
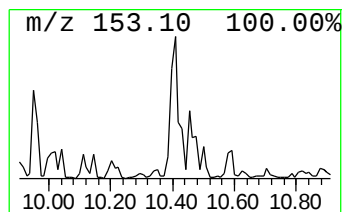
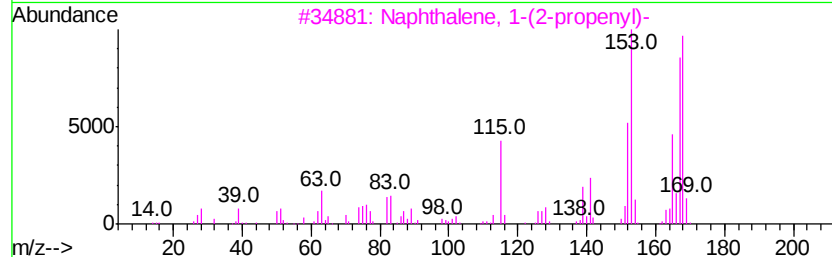
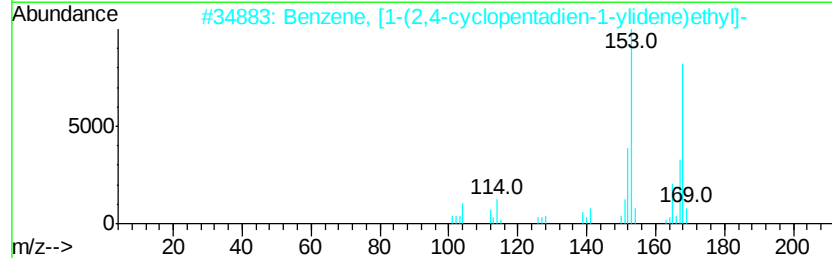
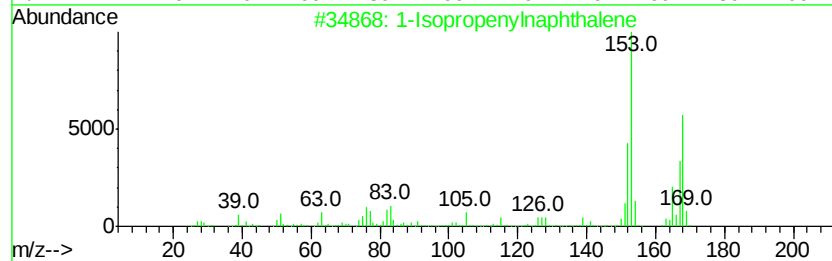
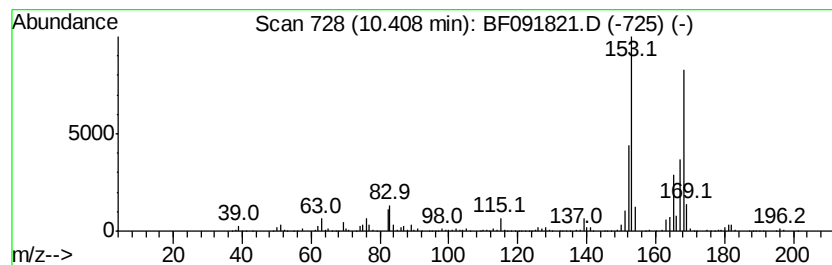
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-Isopropenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	16.78 ng	1842670	Acenaphthene-d10	9.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5		(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
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Operator : UM/SJ
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ALS Vial : 42 Sample Multiplier: 1

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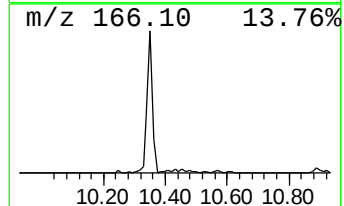
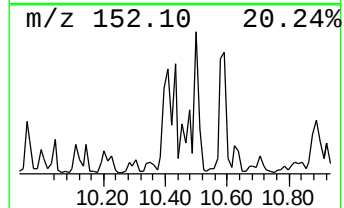
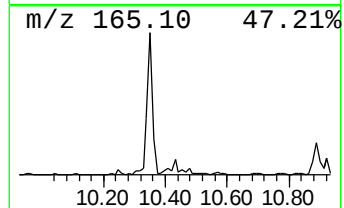
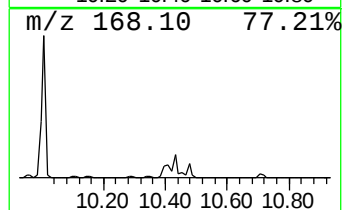
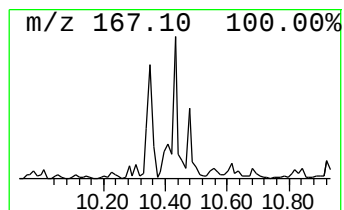
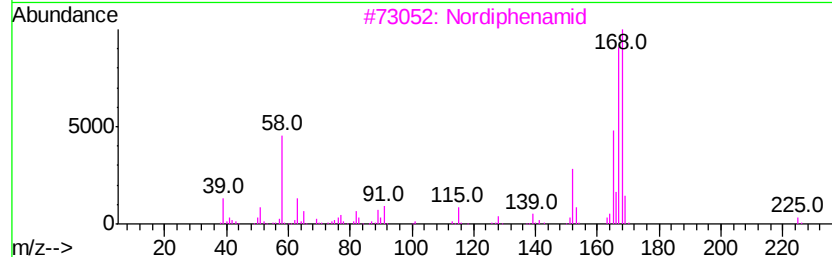
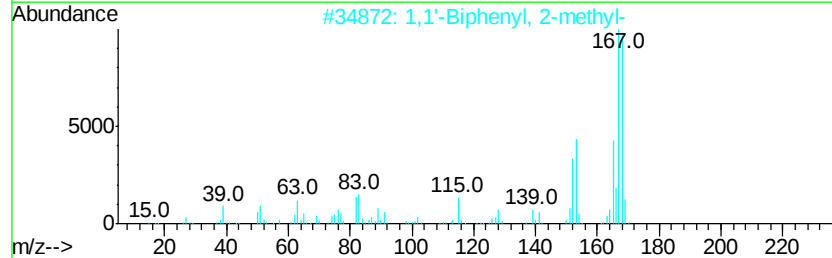
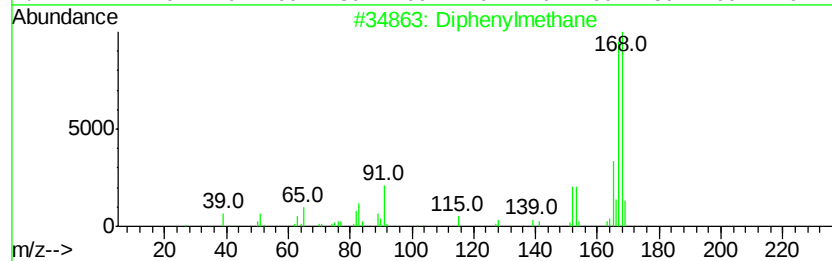
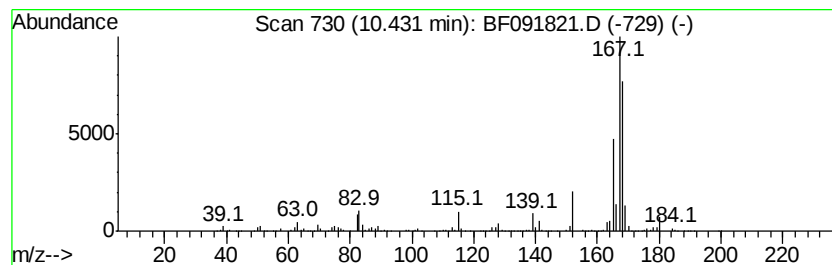
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Diphenylmethane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	10.83 ng	1189700	Acenaphthene-d10	9.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diphenylmethane	168	C13H12	000101-81-5	81
2			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
3			Nordiphenamid	225	C15H15NO	000954-21-2	64
4			1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	53
5			Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091821.D
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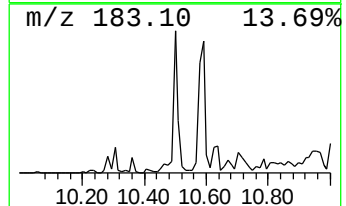
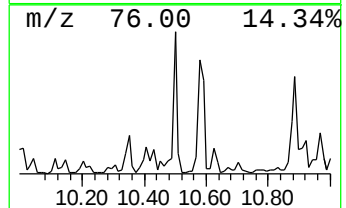
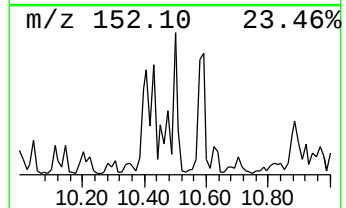
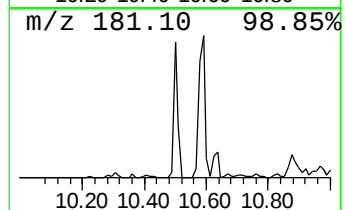
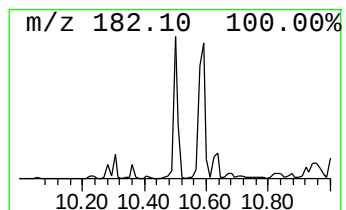
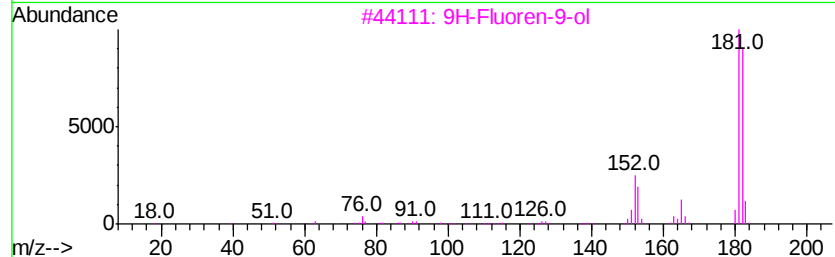
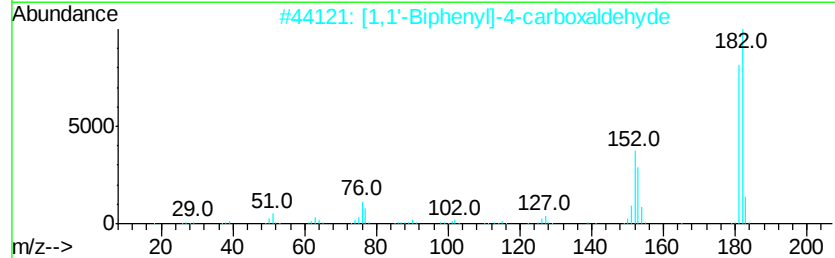
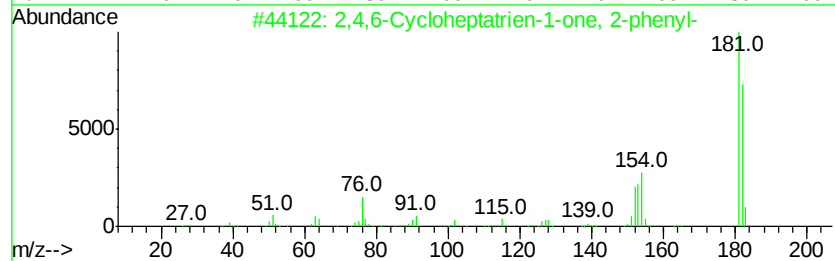
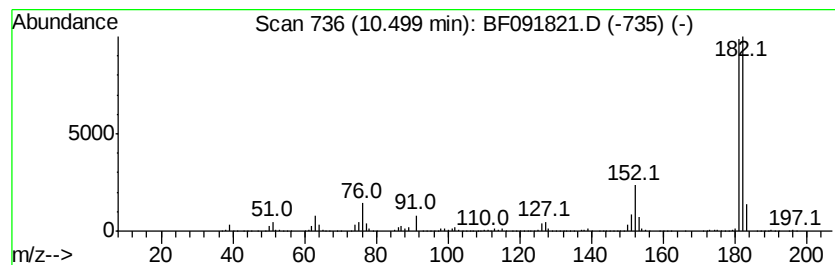
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2,4,6-Cycloheptatrien-1-one... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	18.08 ng	1985630	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	78
5		2-Hydroxyfluorene	182	C13H10O	002443-58-5	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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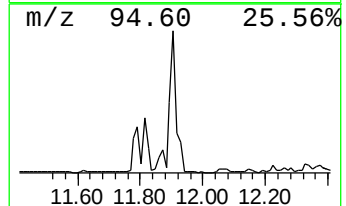
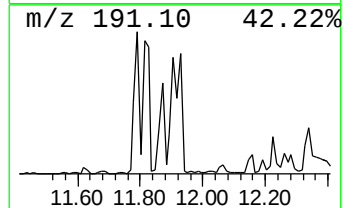
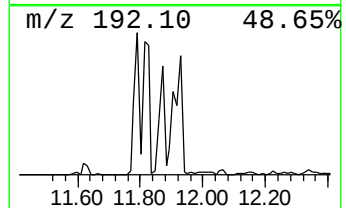
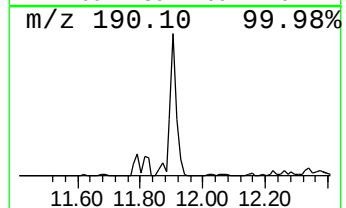
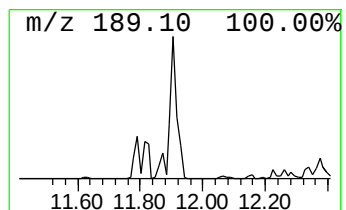
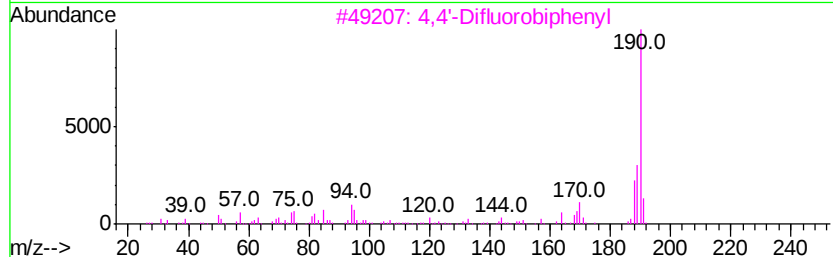
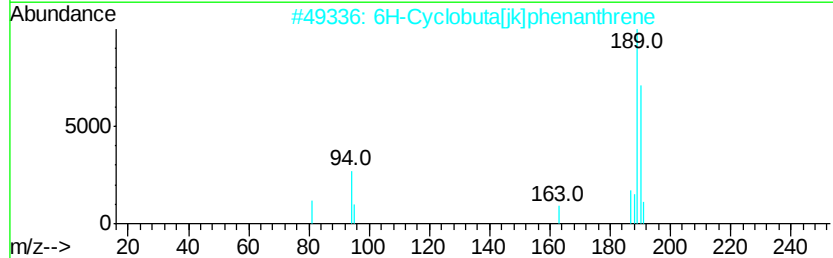
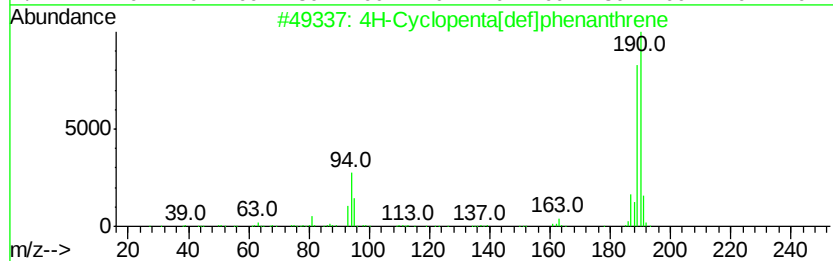
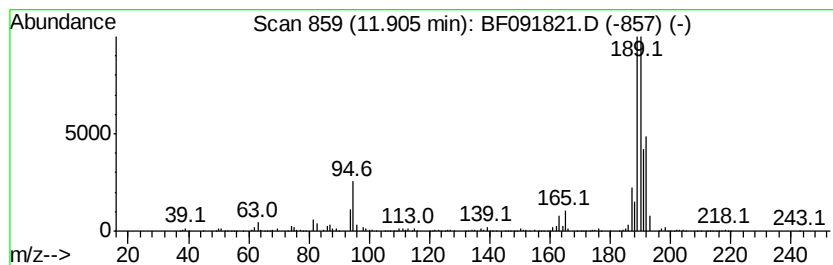
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.91	6.92 ng	11061500	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	42
3	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17
4	2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	11
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4O2S	038362-25-3	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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SB-1-9-10

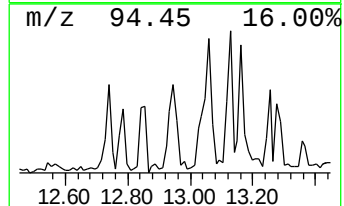
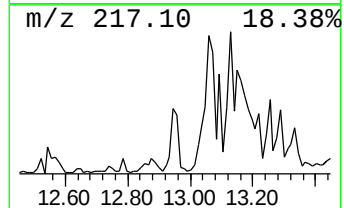
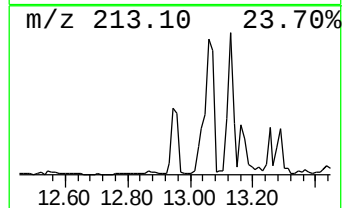
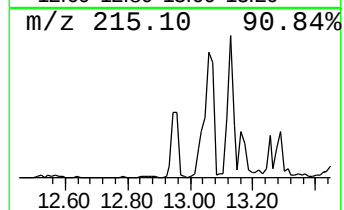
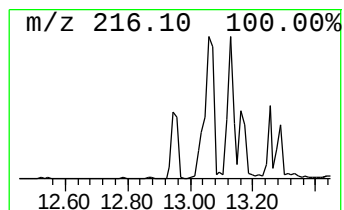
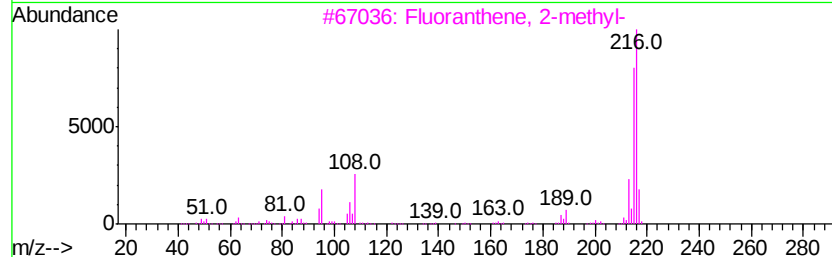
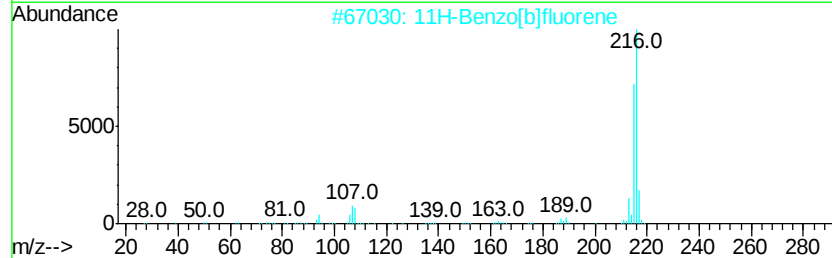
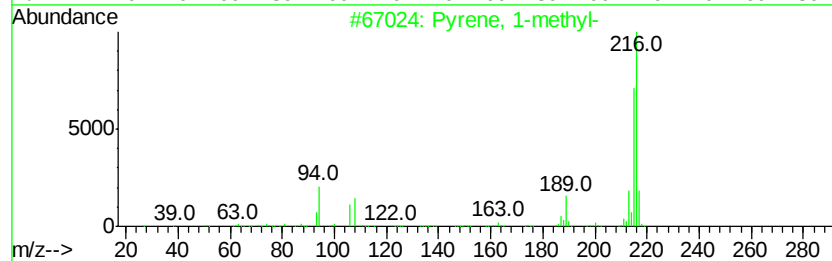
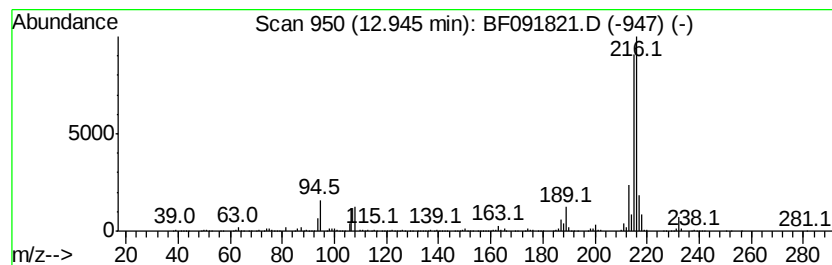
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	5.99 ng	6018640	Chrysene-d12	13.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
Data File : BF091821.D
Acq On : 20 Dec 2016 15:45
Operator : UM/SJ
Sample : H6165-05 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

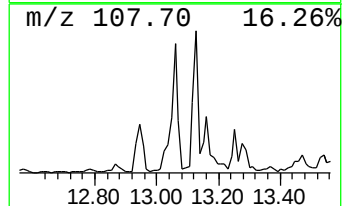
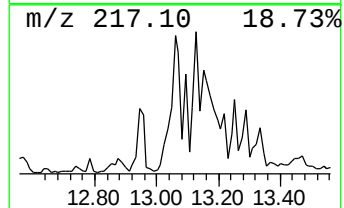
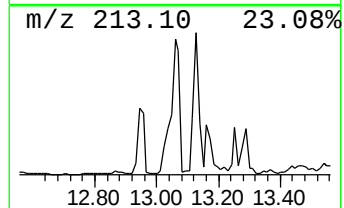
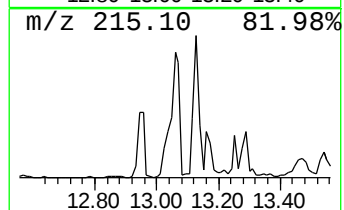
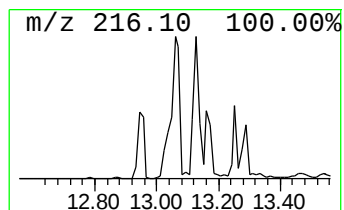
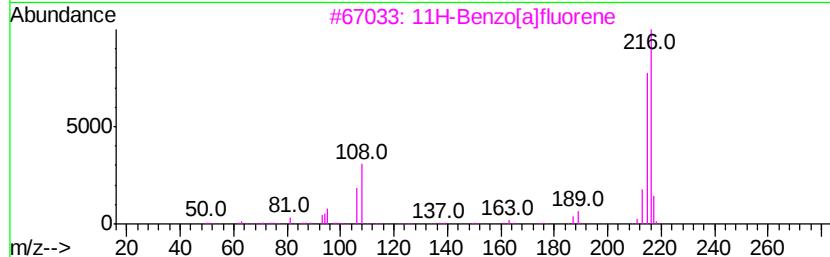
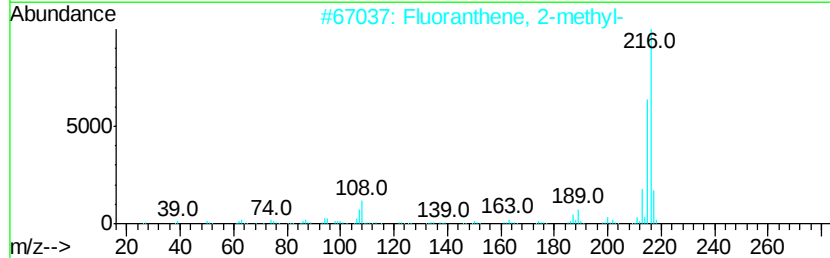
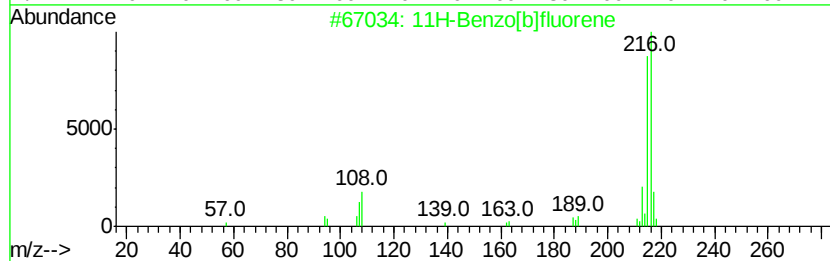
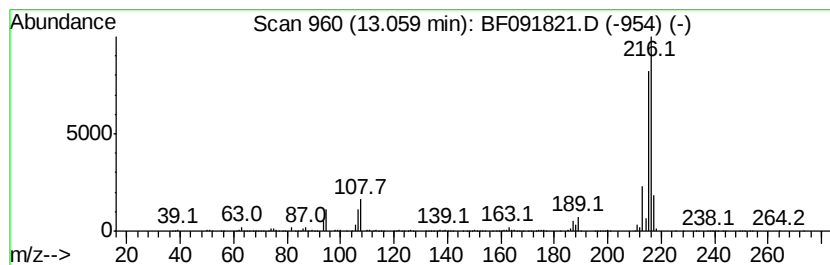
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	9.44 ng	9478450	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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Sample : H6165-05 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

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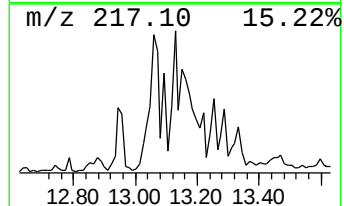
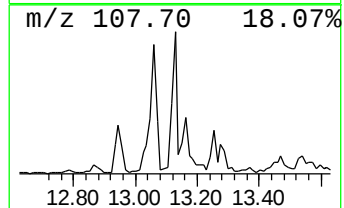
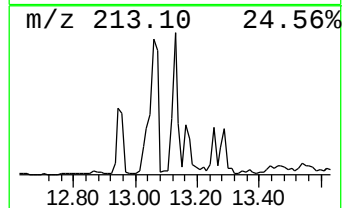
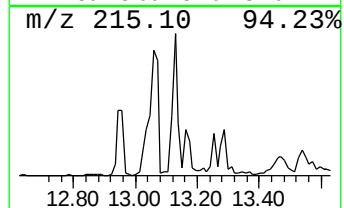
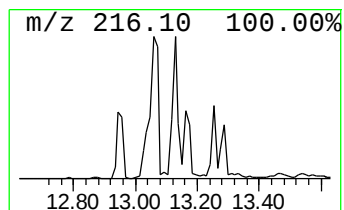
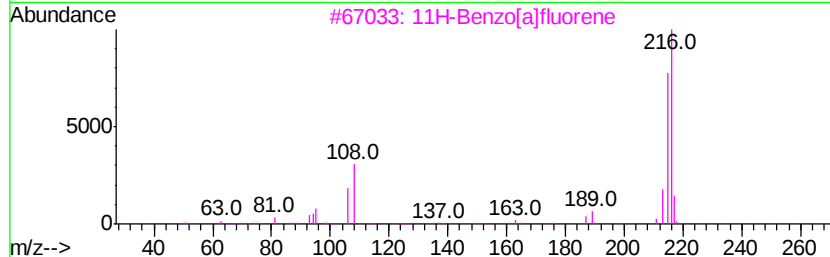
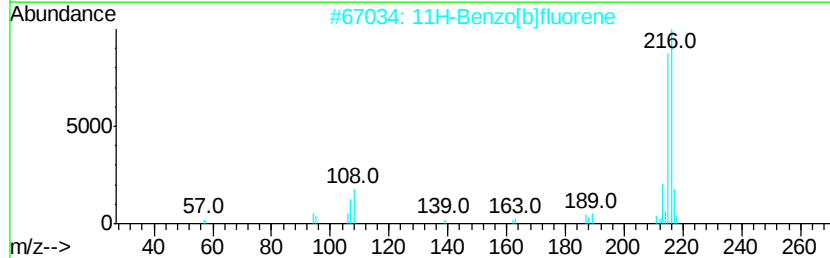
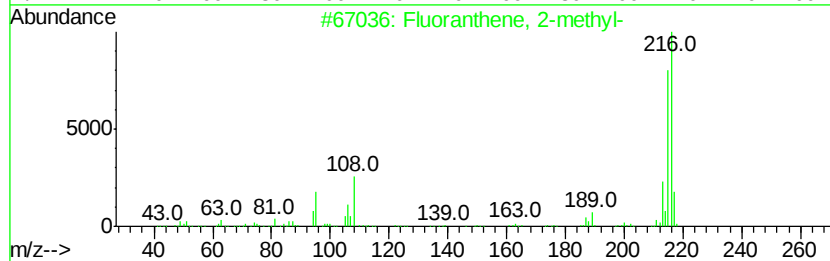
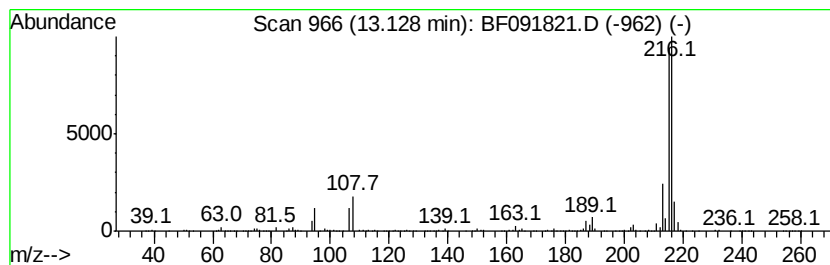
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	7.19 ng	7221480	Chrysene-d12	13.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4			Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091821.D
Acq On : 20 Dec 2016 15:45
Operator : UM/SJ
Sample : H6165-05 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

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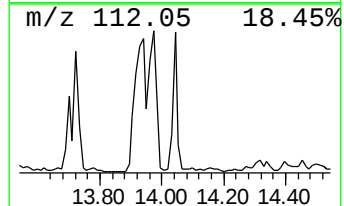
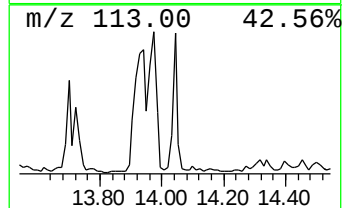
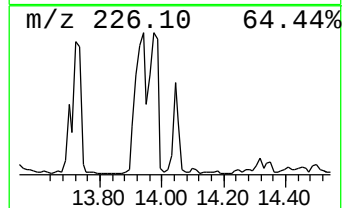
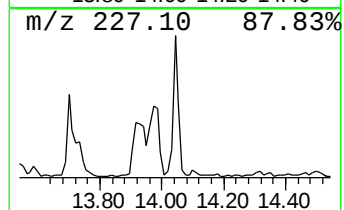
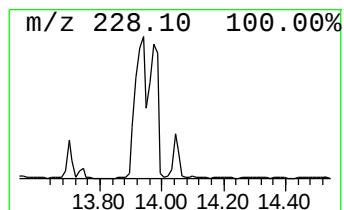
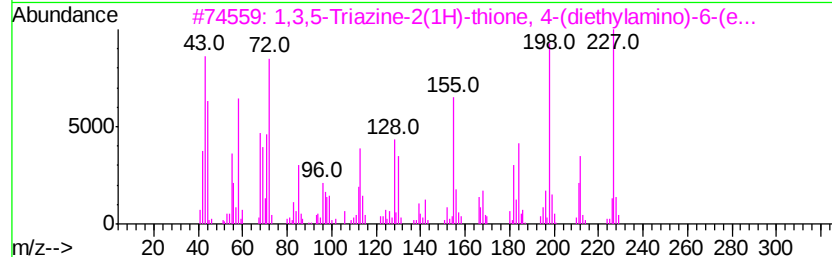
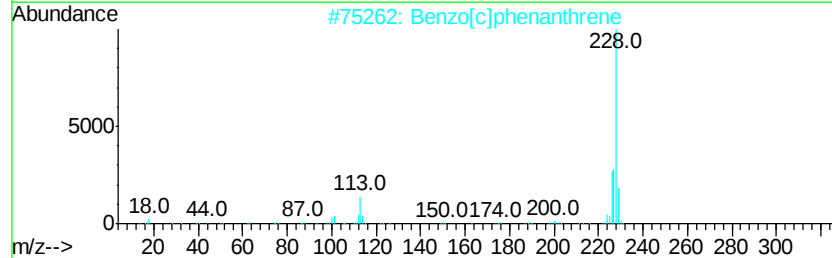
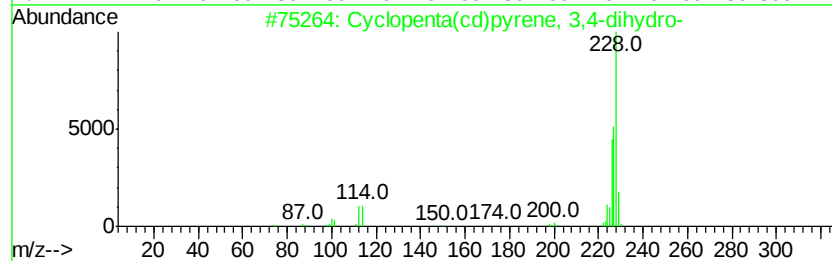
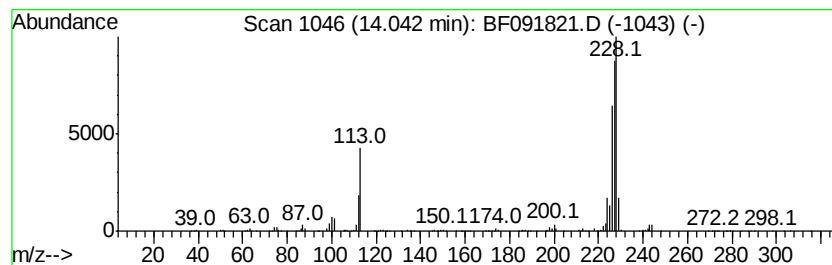
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	4.69 ng	4710180	Chrysene-d12	13.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
2			Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
3			1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	38
4			2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	35
5			Benz[a]anthracene	228	C18H12	000056-55-3	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
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Acq On : 20 Dec 2016 15:45
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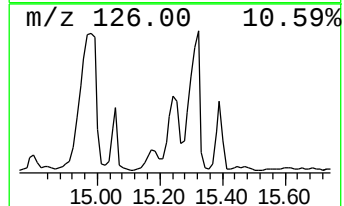
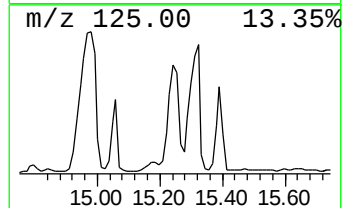
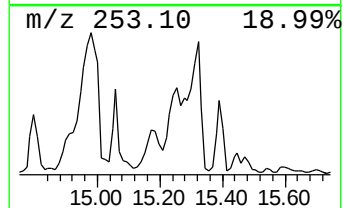
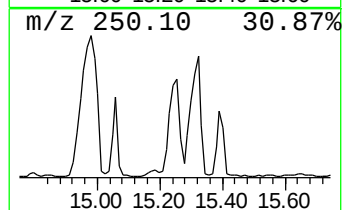
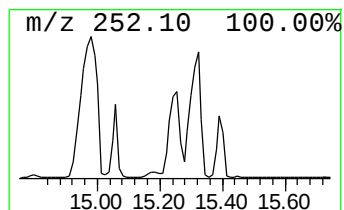
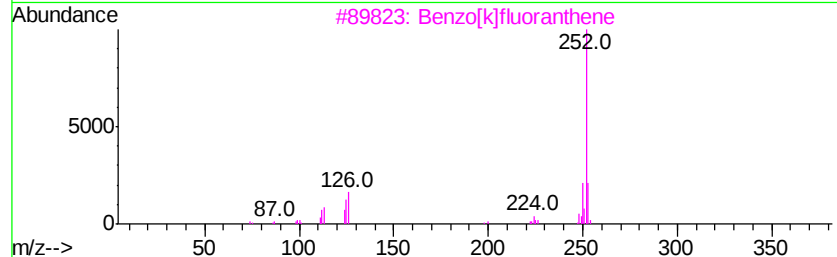
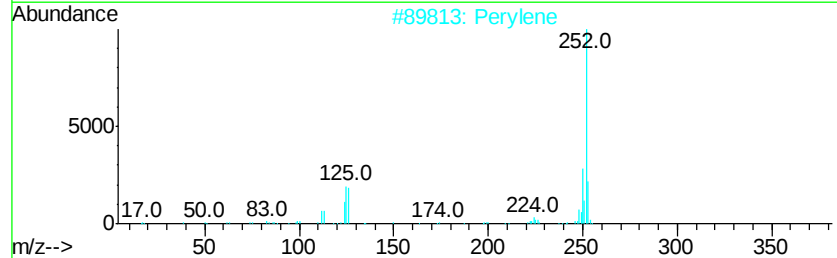
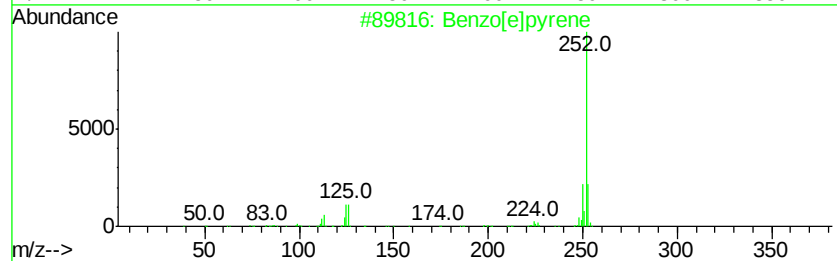
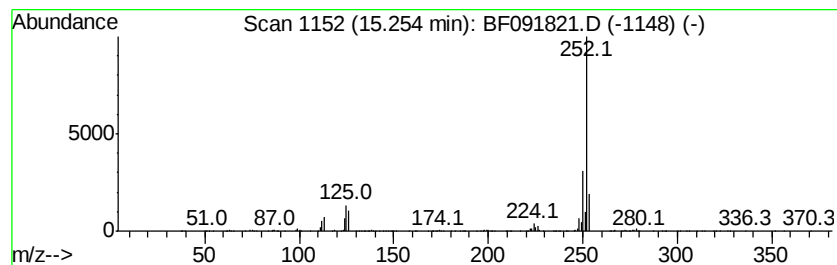
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	14.31 ng	9583690	Perylene-d12	15.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Perylene	252	C20H12	000198-55-0	96
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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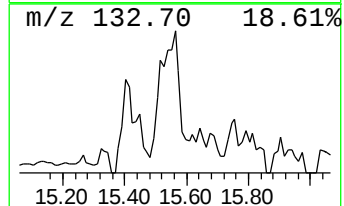
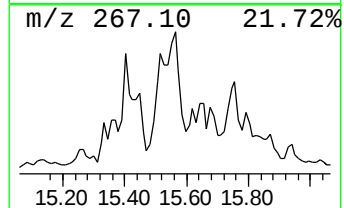
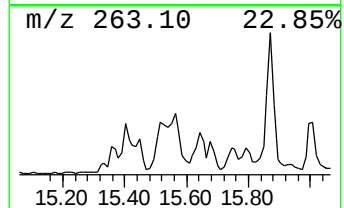
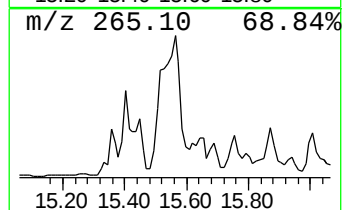
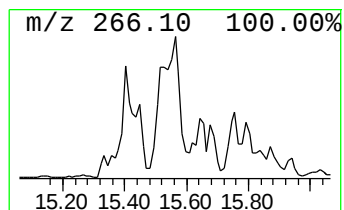
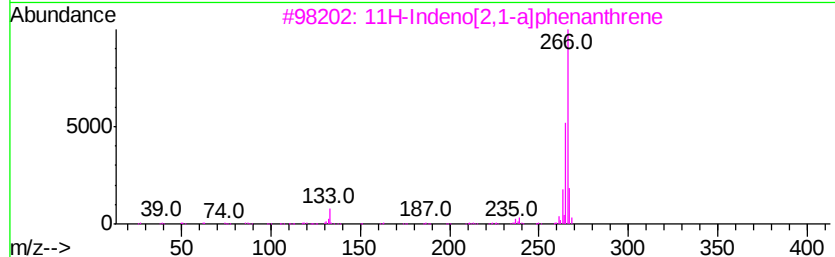
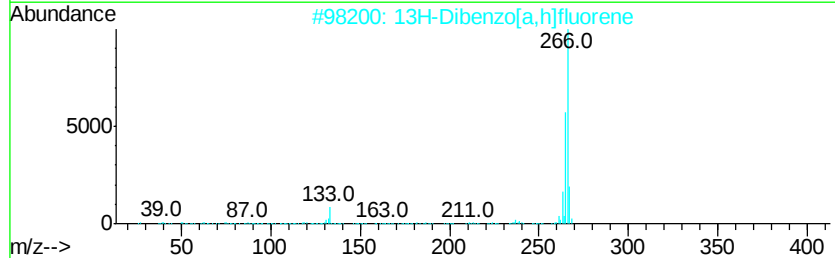
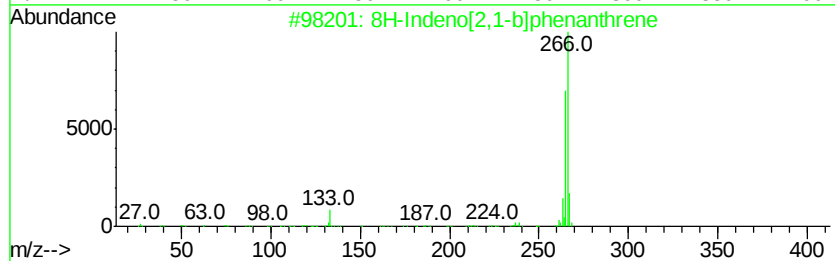
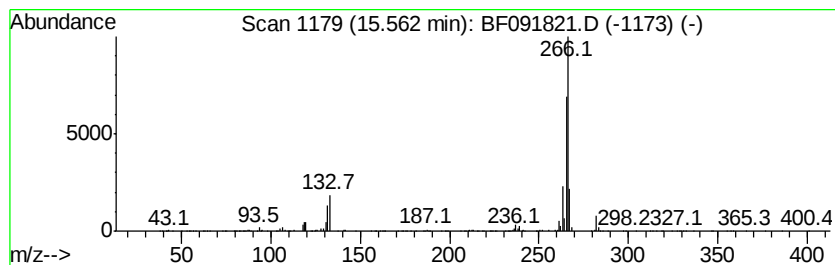
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 8H-Indeno[2,1-b]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.56	4.50 ng	3016360	Perylene-d12	15.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	94
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	93
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	90
4	Benz[il]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
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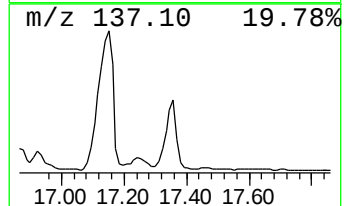
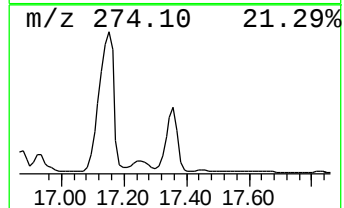
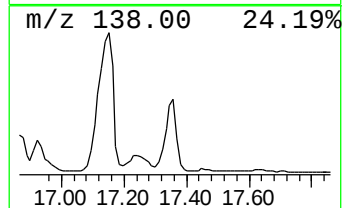
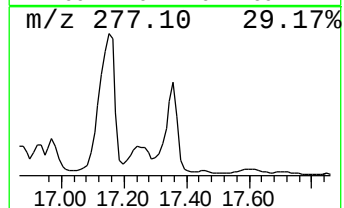
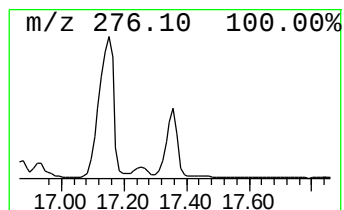
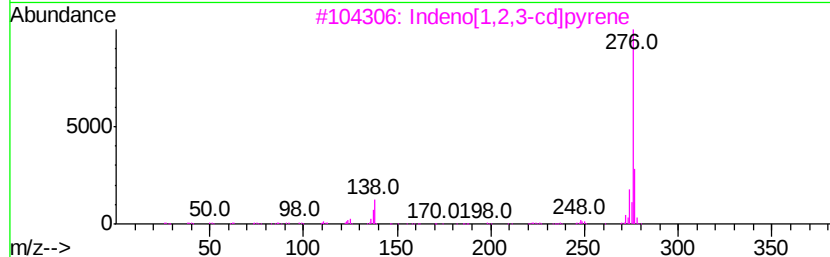
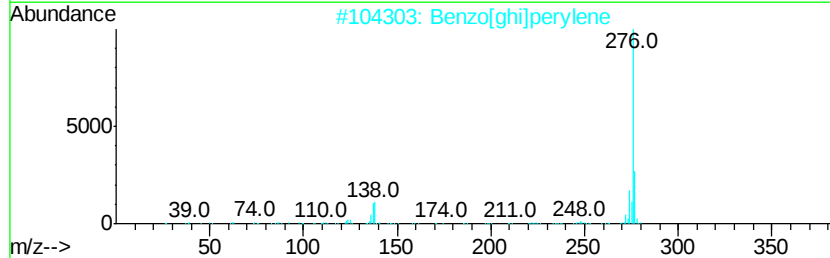
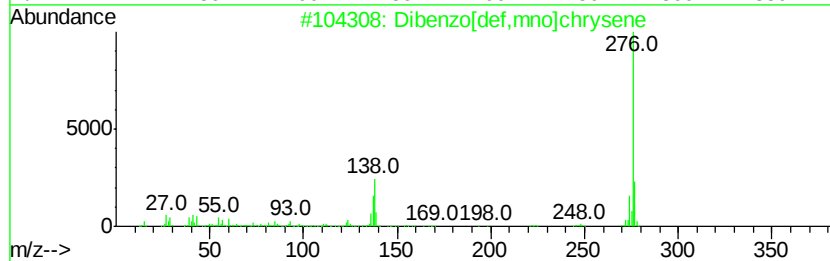
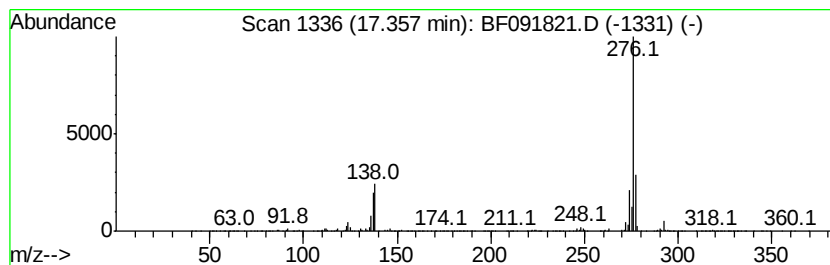
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	4.93 ng	3299660	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
4		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	43
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
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 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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
unknown6.52	6.52	26.4	ng	2120070	1	6.76	1606130	20.0
Naphthalene, 1-et...	9.31	12.6	ng	1382660	3	9.80	2196660	20.0
Naphthalene, 1,5-...	9.39	25.1	ng	2758950	3	9.80	2196660	20.0
Naphthalene, 2,3-...	9.46	25.8	ng	2836220	3	9.80	2196660	20.0
Naphthalene, 2,3,...	10.20	12.3	ng	1354280	3	9.80	2196660	20.0
1-Isopropenyl naph...	10.41	16.8	ng	1842670	3	9.80	2196660	20.0
Diphenylmethane	10.43	10.8	ng	1189700	3	9.80	2196660	20.0
2,4,6-Cycloheptat...	10.50	18.1	ng	1985630	3	9.80	2196660	20.0
4H-Cyclopenta[def...	11.91	6.9	ng	11061500	4	11.29	31966900	20.0
Pyrene, 1-methyl-	12.95	6.0	ng	6018640	5	13.95	20079600	20.0
11H-Benzo[b]fluorene	13.06	9.4	ng	9478450	5	13.95	20079600	20.0
Fluoranthene, 2-m...	13.13	7.2	ng	7221480	5	13.95	20079600	20.0
Cyclopenta(cd)pyr...	14.04	4.7	ng	4710180	5	13.95	20079600	20.0
Benzo[e]pyrene	15.25	14.3	ng	9583690	6	15.36	13396500	20.0
8H-Indeno[2,1-b]p...	15.56	4.5	ng	3016360	6	15.36	13396500	20.0
Dibenzo[def,mno]c...	17.36	4.9	ng	3299660	6	15.36	13396500	20.0