

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
 Data File : BF091569.D
 Acq On : 13 Dec 2016 22:15
 Operator : UM/SJ
 Sample : H5918-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16

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-BF120916.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	5.001	252	255	261	rBV	2131357	3162097	30.49%	1.696%
2	5.424	289	292	294	rBV	7091796	7303540	70.42%	3.918%
3	6.453	379	382	385	rVB	5646675	8281335	79.85%	4.443%
4	6.590	391	394	396	rBV	6130625	8362601	80.63%	4.487%
5	6.807	411	413	416	rBV	1459252	1801385	17.37%	0.966%
6	6.967	425	427	430	rVB	5773878	5886276	56.75%	3.158%
7	7.379	460	463	465	rBV	5086781	5101129	49.18%	2.737%
8	8.099	523	526	528	rBV	2874034	2597833	25.05%	1.394%
9	9.173	617	620	623	rBV	7015217	8334317	80.36%	4.471%
10	9.573	653	655	657	rVB	3289061	2905445	28.01%	1.559%
11	9.848	677	679	681	rBV	2880241	2685001	25.89%	1.441%
12	9.882	681	682	684	rVB	1263419	902956	8.71%	0.484%
13	10.053	695	697	699	rBV	766267	672055	6.48%	0.361%
14	10.259	712	715	717	rBV2	103329	187413	1.81%	0.101%
15	10.396	725	727	729	rBV	1587536	1408563	13.58%	0.756%
16	10.476	732	734	736	rVV3	155796	270308	2.61%	0.145%
17	10.511	736	737	739	rVV2	94329	185762	1.79%	0.100%
18	10.556	739	741	743	rVB	234348	267881	2.58%	0.144%
19	10.636	745	748	750	rVV	4772126	4995895	48.17%	2.680%
20	10.762	754	759	763	rBV2	265393	340395	3.28%	0.183%
21	10.945	771	775	778	rBV2	288971	653074	6.30%	0.350%
22	11.025	778	782	783	rVB2	119484	187179	1.80%	0.100%
23	11.093	783	788	790	rBV3	211500	472368	4.55%	0.253%
24	11.139	790	792	794	rVB	145762	203913	1.97%	0.109%
25	11.196	794	797	798	rBV2	637243	1047989	10.10%	0.562%
26	11.231	798	800	803	rVB	499079	658762	6.35%	0.353%
27	11.333	806	809	810	rVV	2301896	3156767	30.44%	1.694%
28	11.356	810	811	813	rVV	6424736	7333890	70.71%	3.935%
29	11.402	813	815	817	rVV	2283314	2885990	27.83%	1.548%
30	11.436	817	818	820	rVB	397961	336175	3.24%	0.180%
31	11.562	825	829	831	rBV2	2578440	2486535	23.97%	1.334%
32	11.631	833	835	836	rBV2	320227	299776	2.89%	0.161%
33	11.836	850	853	854	rBV	727855	1115750	10.76%	0.599%
34	11.859	854	855	857	rVB	1714147	1556970	15.01%	0.835%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.905	857	859	861	rBV	788835	743487	7.17%	0.399%
36	11.939	861	862	866	rVB2	1792490	2750959	26.52%	1.476%
37	12.031	866	870	874	rBV6	192709	506797	4.89%	0.272%
38	12.122	877	878	882	rVB2	650704	1016028	9.80%	0.545%
39	12.202	882	885	887	rBV3	133032	191233	1.84%	0.103%
40	12.271	889	891	893	rBV	241811	337094	3.25%	0.181%
41	12.305	893	894	895	rBV	234791	174528	1.68%	0.094%
42	12.385	898	901	902	rBV	384401	564912	5.45%	0.303%
43	12.419	902	904	907	rBV2	272778	383542	3.70%	0.206%
44	12.465	907	908	912	rVB	571855	548511	5.29%	0.294%
45	12.545	912	915	918	rBV	7373003	10371678	100.00%	5.564%
46	12.602	918	920	922	rVB2	204817	316760	3.05%	0.170%
47	12.694	922	928	931	rBV2	292903	684526	6.60%	0.367%
48	12.774	931	935	938	rBV2	6698400	10223207	98.57%	5.485%
49	12.819	938	939	942	rVB2	502362	447824	4.32%	0.240%
50	12.888	942	945	946	rBV	941486	971380	9.37%	0.521%
51	12.922	946	948	950	rVB	6337379	6950394	67.01%	3.729%
52	12.991	950	954	955	rBV2	706535	1064309	10.26%	0.571%
53	13.094	958	963	965	rVB2	1770402	2790839	26.91%	1.497%
54	13.162	967	969	971	rBV	1896831	1780023	17.16%	0.955%
55	13.197	971	972	974	rBV	770207	737436	7.11%	0.396%
56	13.288	979	980	982	rVV	495571	581711	5.61%	0.312%
57	13.322	982	983	986	rVV2	613302	705869	6.81%	0.379%
58	13.402	988	990	992	rVV	1515446	1537810	14.83%	0.825%
59	13.517	995	1000	1004	rBV5	322751	1079040	10.40%	0.579%
60	13.597	1004	1007	1010	rVV2	606794	1057154	10.19%	0.567%
61	13.665	1010	1013	1014	rVV3	125279	243556	2.35%	0.131%
62	13.711	1014	1017	1018	rVV	1001866	1270918	12.25%	0.682%
63	13.745	1018	1020	1021	rVV	851227	1327339	12.80%	0.712%
64	13.768	1021	1022	1024	rVV2	669442	1141846	11.01%	0.613%
65	13.814	1024	1026	1029	rVV2	1047379	1549918	14.94%	0.832%
66	13.882	1029	1032	1035	rVV	327157	749204	7.22%	0.402%
67	13.962	1035	1039	1041	rVV2	4534802	9014620	86.92%	4.836%
68	13.997	1041	1042	1044	rVV	4176798	3347535	32.28%	1.796%
69	14.065	1046	1048	1050	rVV	846715	1102185	10.63%	0.591%
70	14.157	1054	1056	1057	rVV2	530003	943072	9.09%	0.506%
71	14.191	1057	1059	1060	rVV2	575608	839464	8.09%	0.450%

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72	14.214	1060	1061	1065	rVV3	218199	437094	4.21%	0.235%
73	14.282	1065	1067	1068	rVV2	265644	401677	3.87%	0.216%
74	14.351	1071	1073	1074	rVV	864920	1066068	10.28%	0.572%
75	14.385	1074	1076	1077	rVV2	442543	605216	5.84%	0.325%
76	14.442	1077	1081	1082	rVV3	580109	966151	9.32%	0.518%
77	14.488	1082	1085	1087	rVV4	509819	1272816	12.27%	0.683%
78	14.545	1087	1090	1093	rVB3	301857	571112	5.51%	0.306%
79	14.648	1097	1099	1100	rBV	525537	585310	5.64%	0.314%
80	14.728	1104	1106	1107	rVV	179814	232683	2.24%	0.125%
81	14.820	1111	1114	1118	rBV3	263133	655094	6.32%	0.351%
82	14.888	1118	1120	1122	rVV2	123684	173193	1.67%	0.093%
83	14.980	1125	1128	1133	rBV	2926618	6275274	60.50%	3.367%
84	15.082	1135	1137	1138	rVV	459842	583443	5.63%	0.313%
85	15.174	1142	1145	1147	rBV2	187043	503553	4.86%	0.270%
86	15.220	1147	1149	1150	rVV	173512	241079	2.32%	0.129%
87	15.265	1150	1153	1156	rVV	1636439	2201435	21.23%	1.181%
88	15.322	1156	1158	1161	rVB	2273230	2712885	26.16%	1.455%
89	15.380	1161	1163	1164	rBV	1471909	1749135	16.86%	0.938%
90	15.414	1164	1166	1169	rVB2	655082	1043757	10.06%	0.560%
91	15.551	1175	1178	1179	rBV	110302	241684	2.33%	0.130%
92	15.905	1207	1209	1217	rVB	188390	417403	4.02%	0.224%
93	16.580	1264	1268	1273	rBV4	171957	590830	5.70%	0.317%
94	16.751	1279	1283	1287	rVB2	835484	1690381	16.30%	0.907%
95	16.911	1293	1297	1299	rBV	209915	433382	4.18%	0.233%
96	16.968	1299	1302	1304	rBV	115563	214736	2.07%	0.115%
97	17.163	1314	1319	1326	rVV	576656	1374580	13.25%	0.737%
98	17.300	1327	1331	1334	rVV4	84198	255043	2.46%	0.137%
99	17.368	1334	1337	1345	rVB2	171342	450022	4.34%	0.241%
100	19.426	1511	1517	1521	rBV	85628	353957	3.41%	0.190%

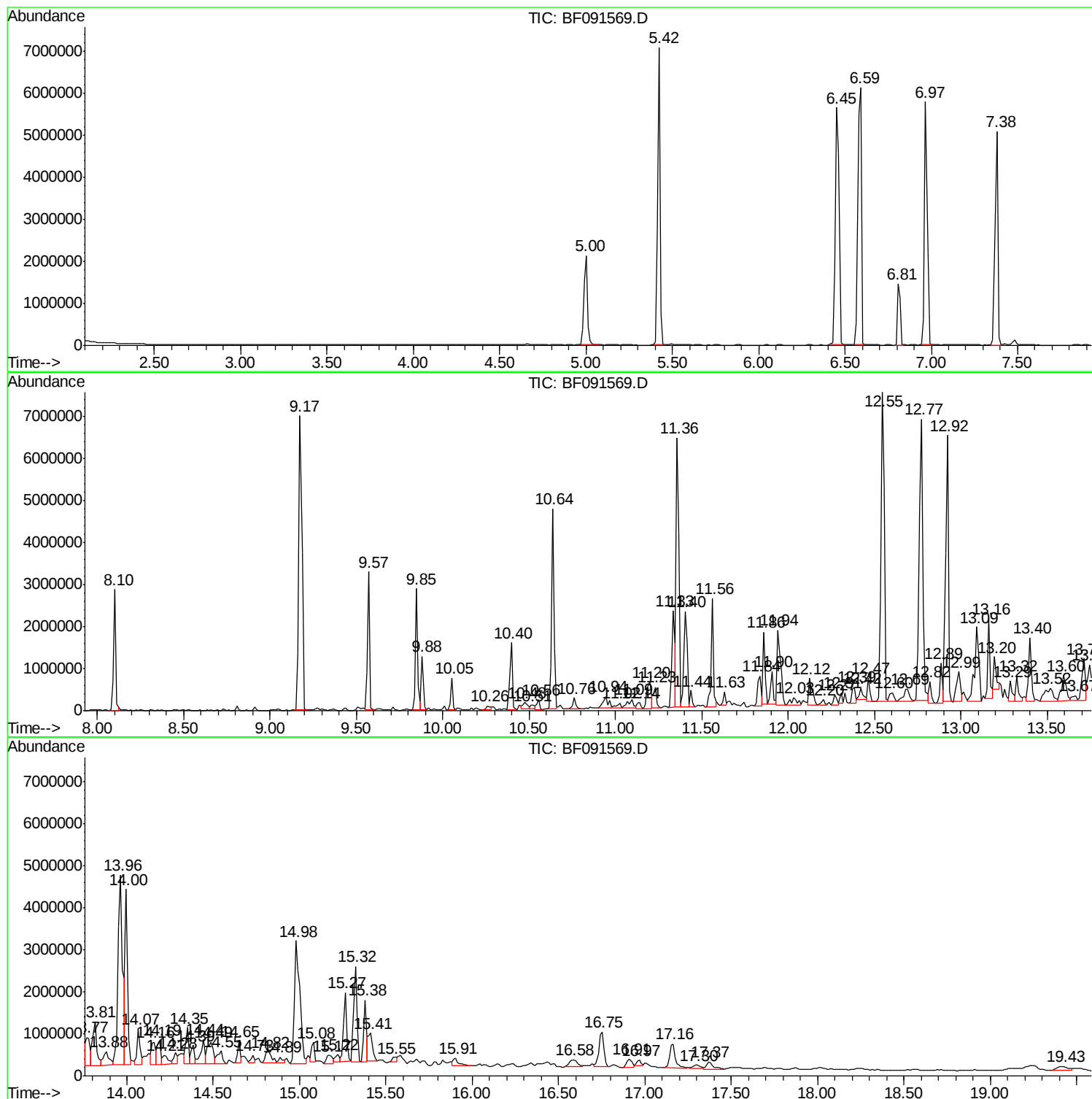
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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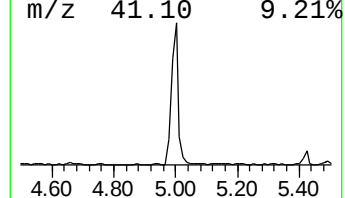
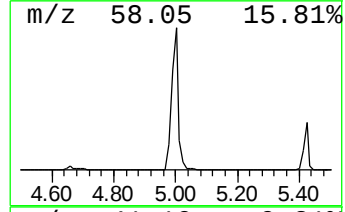
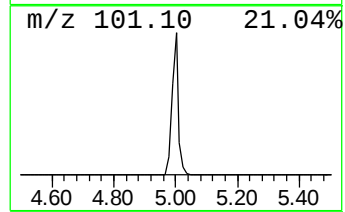
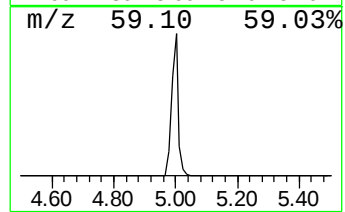
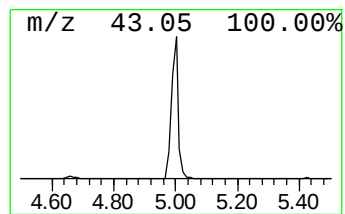
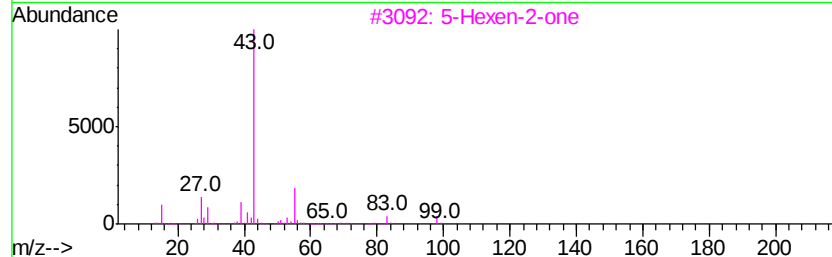
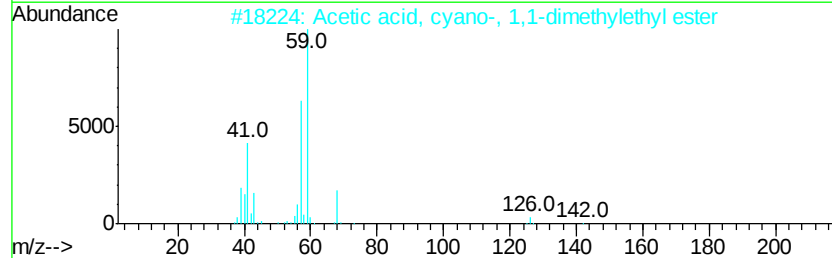
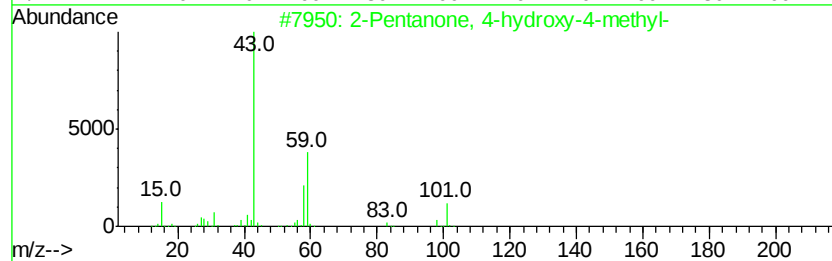
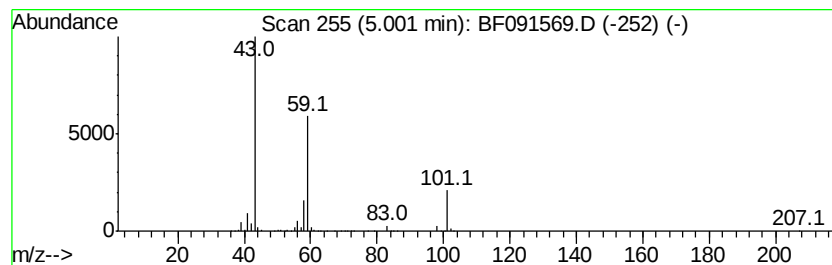
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	35.11 ng	3162100	1,4-Dichlorobenzene-d4	6.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23	
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9	
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9	
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	



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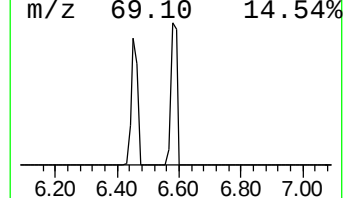
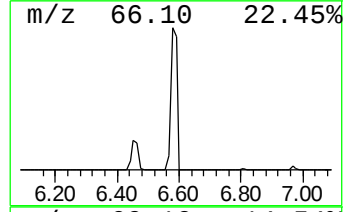
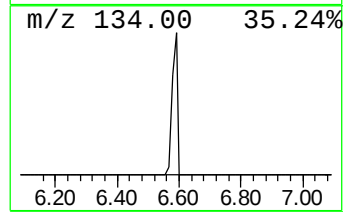
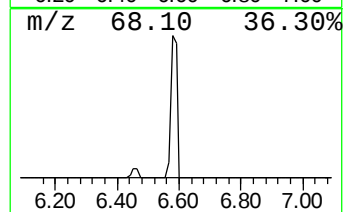
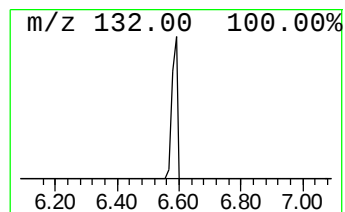
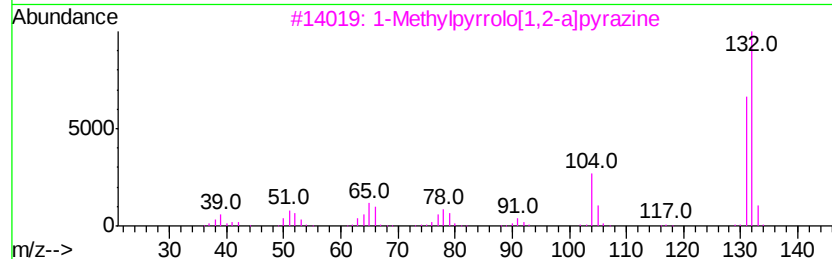
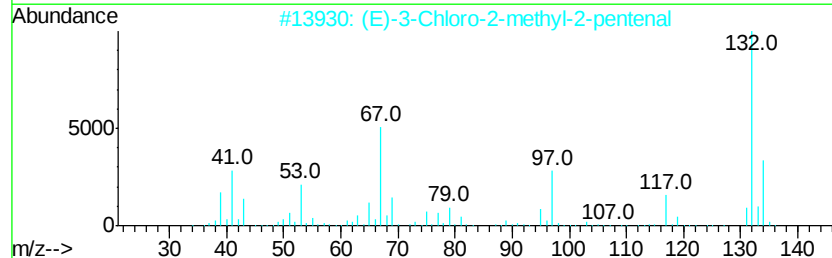
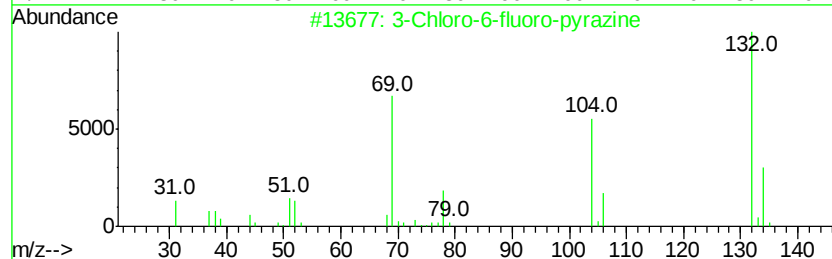
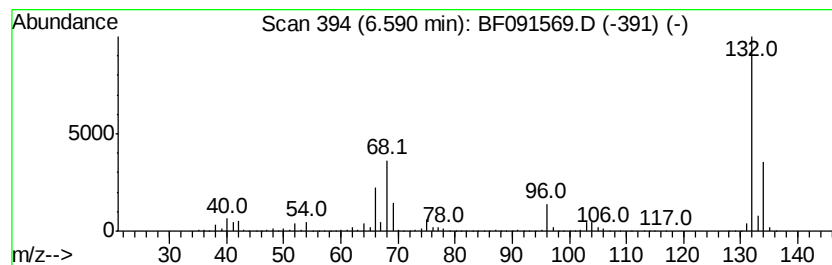
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	92.85 ng	8362600	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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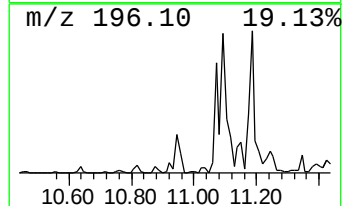
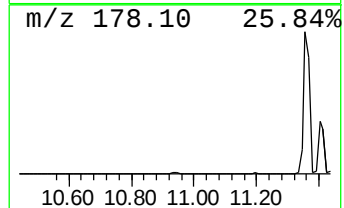
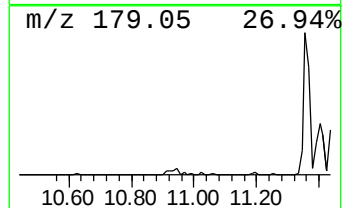
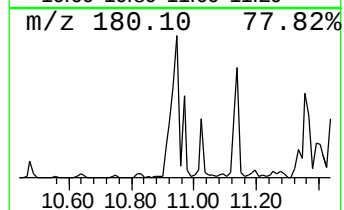
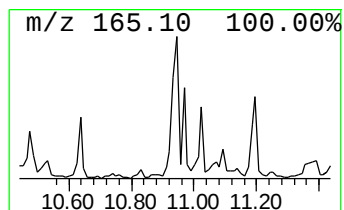
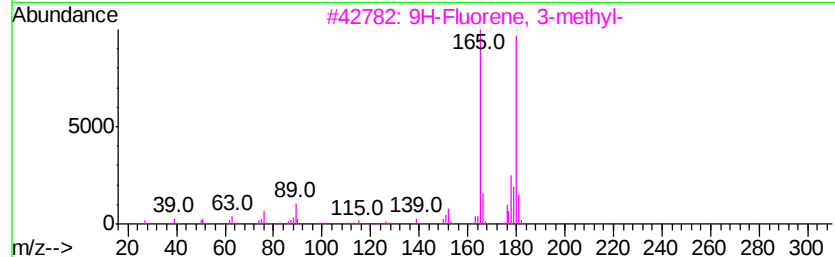
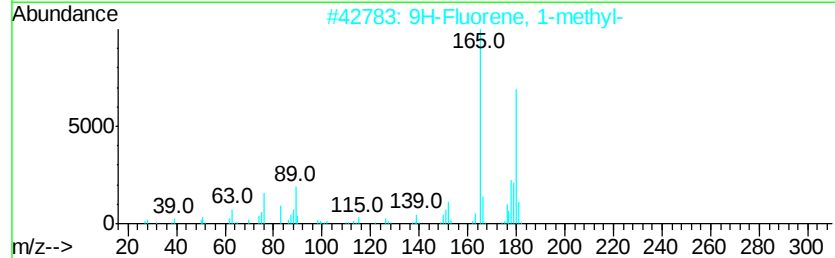
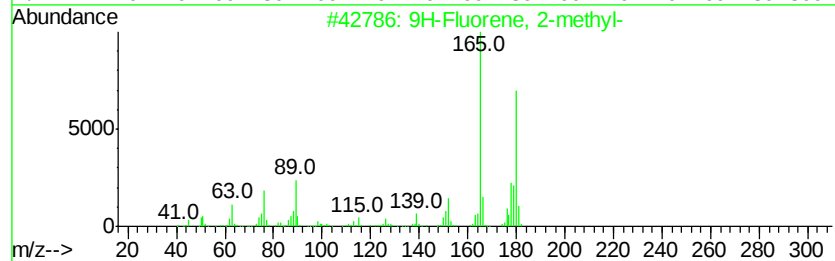
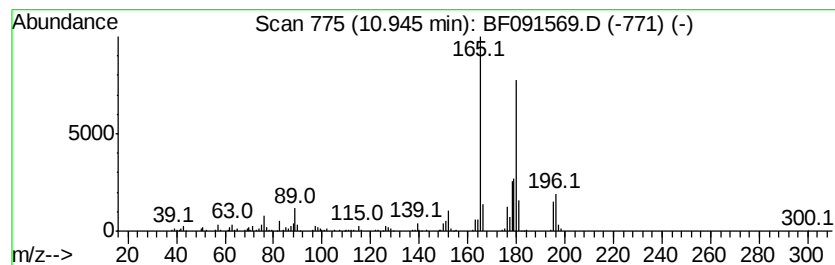
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TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	4.14 ng	653074	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

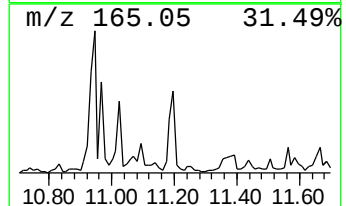
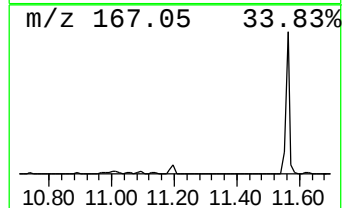
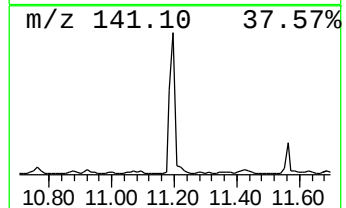
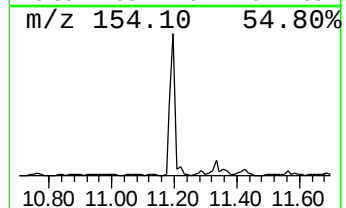
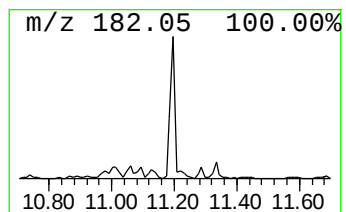
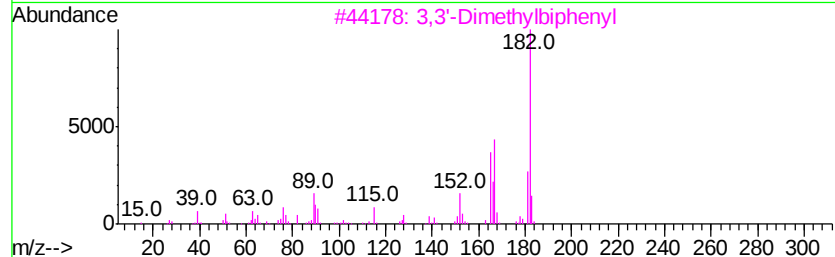
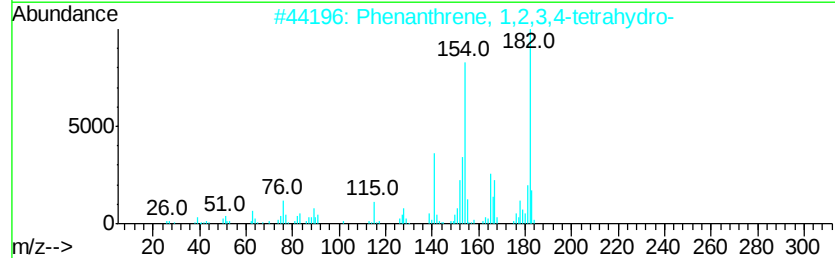
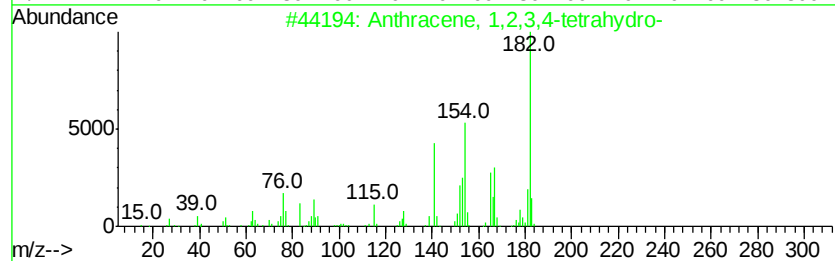
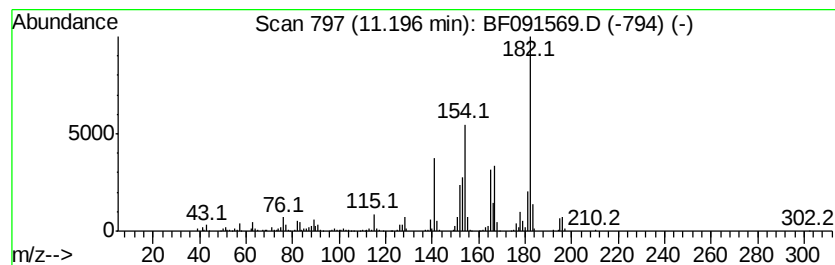
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.20	6.64 ng	1047990	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	81
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	64
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	60
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
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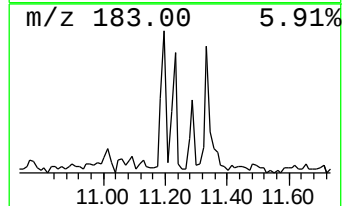
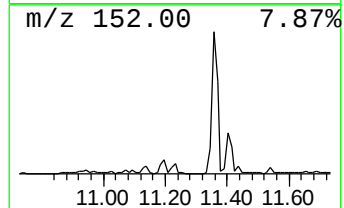
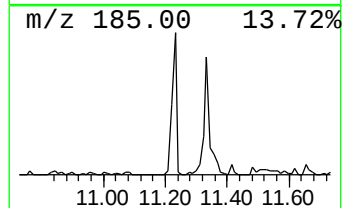
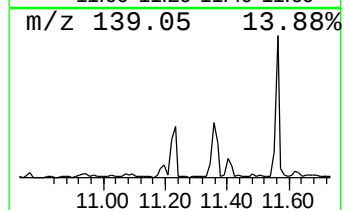
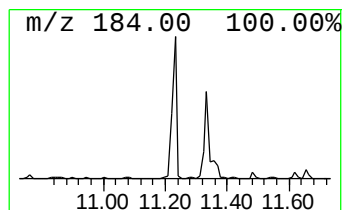
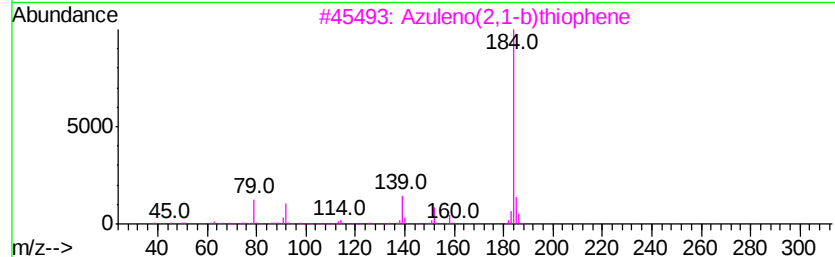
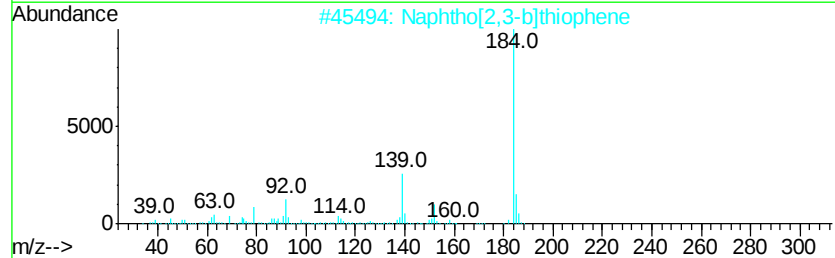
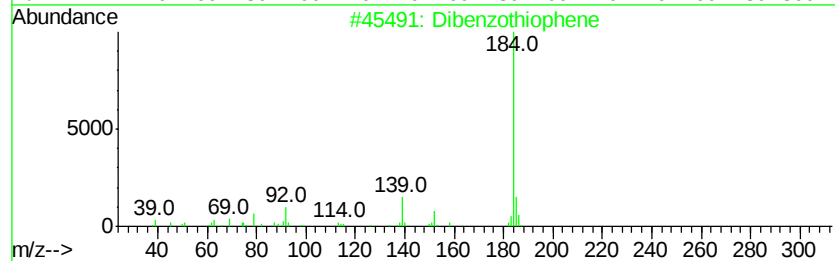
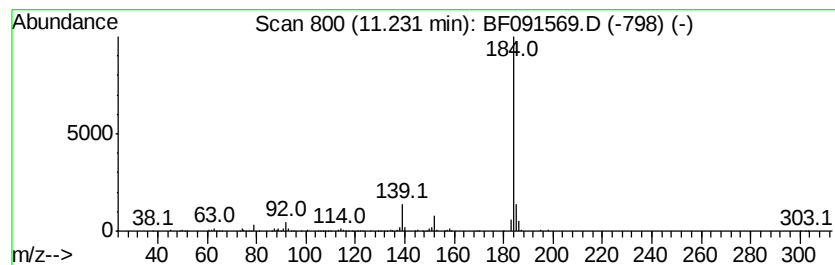
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.23	4.17 ng	658762	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		1,1'-Biphenyl, 3-methoxy-	184	C13H12O	002113-56-6	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
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P-21-12-6-16

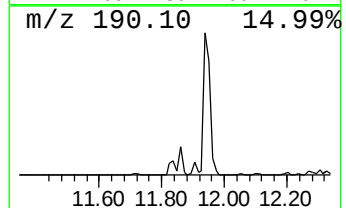
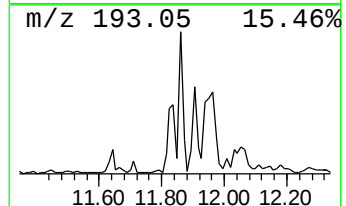
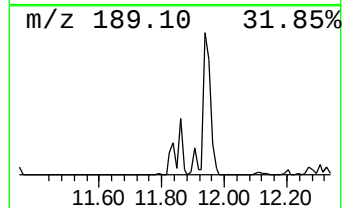
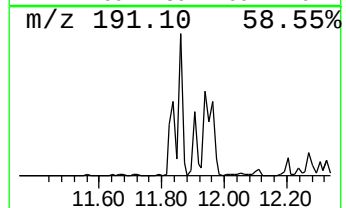
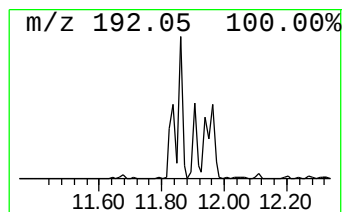
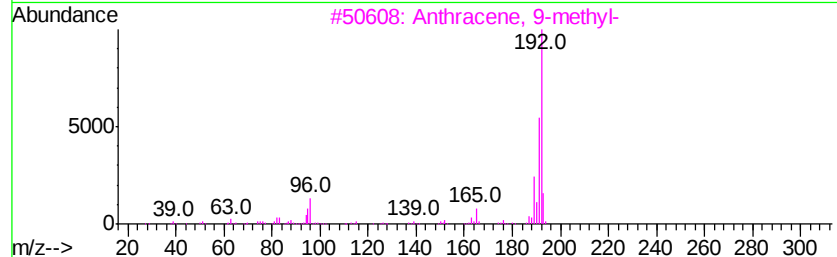
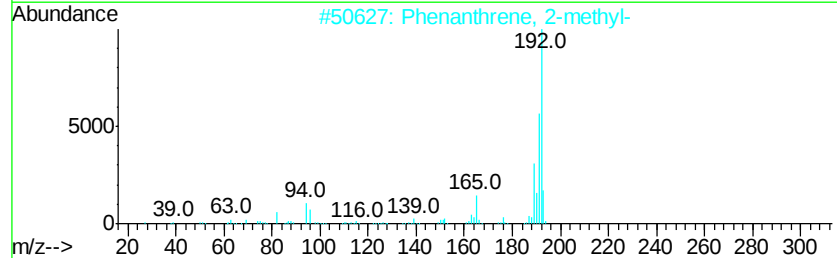
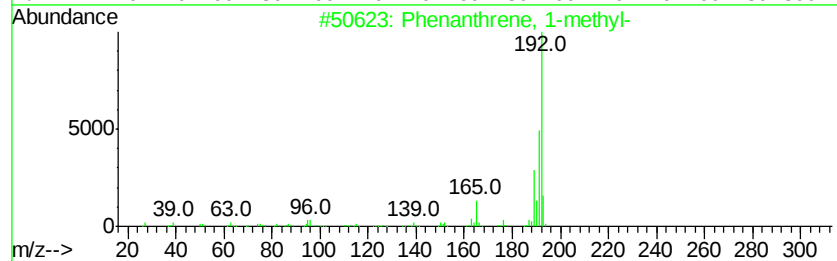
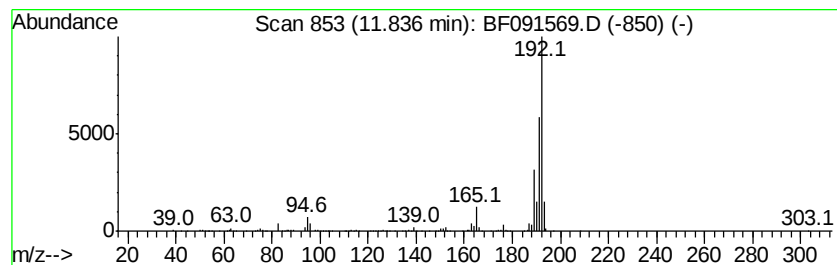
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	7.07 ng	1115750	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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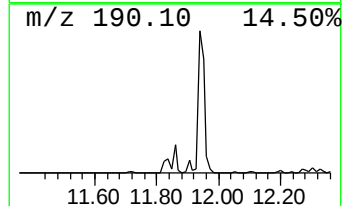
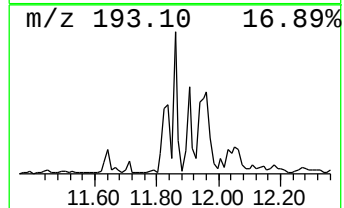
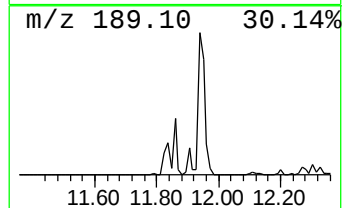
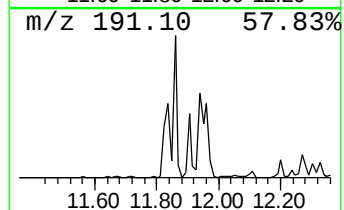
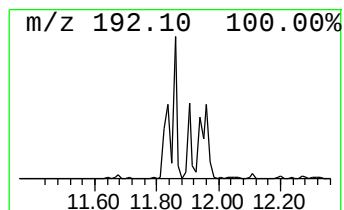
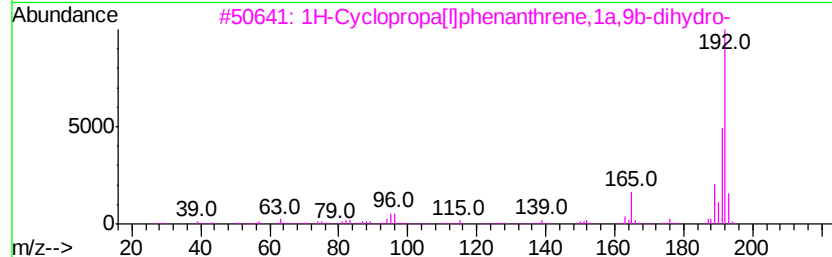
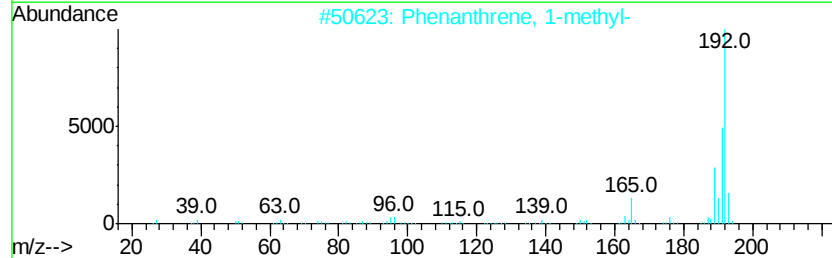
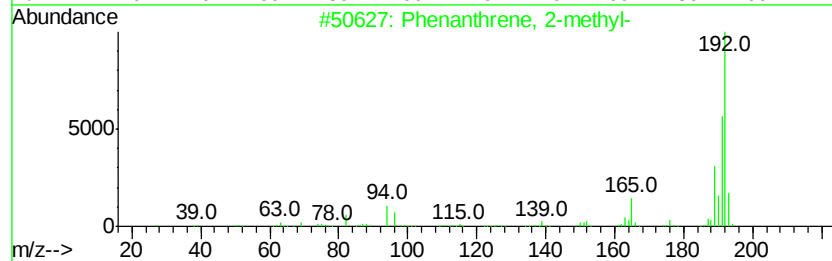
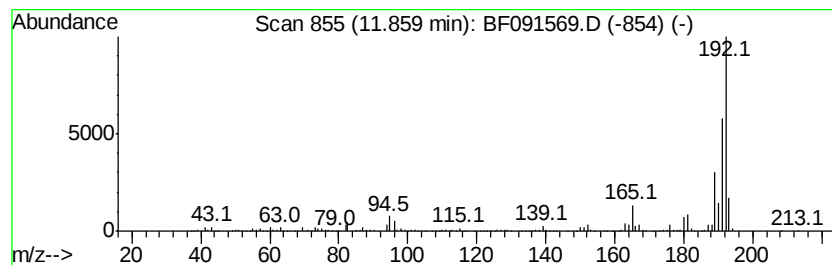
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	9.86 ng	1556970	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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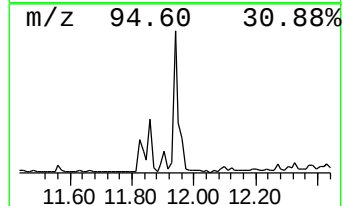
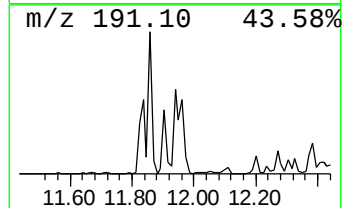
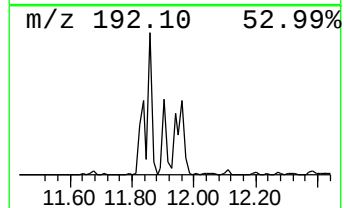
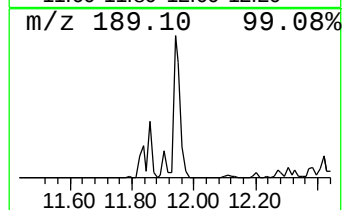
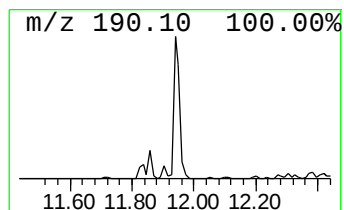
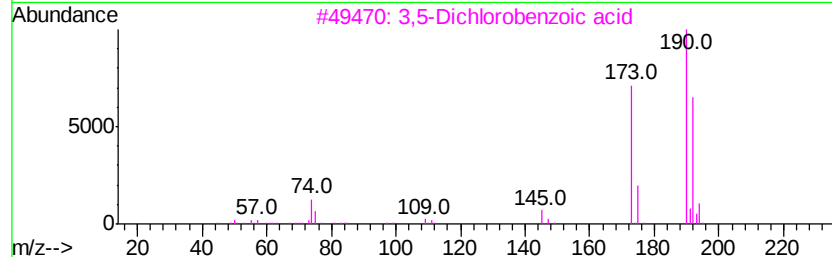
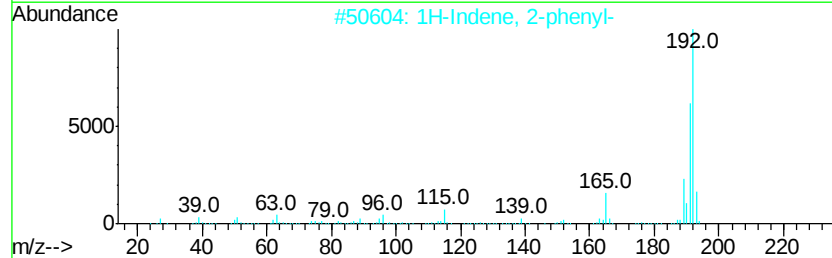
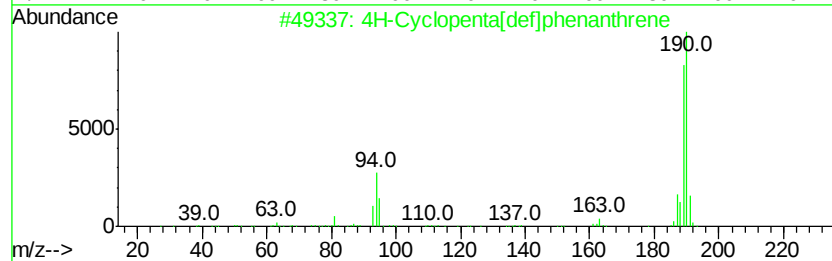
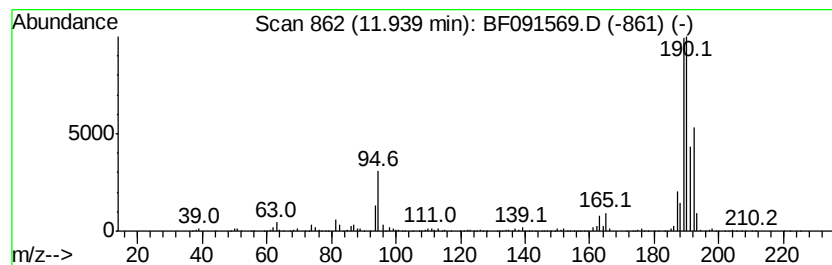
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	17.43 ng	2750960	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
3		3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
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Instrument :
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ClientSampleId :
P-21-12-6-16

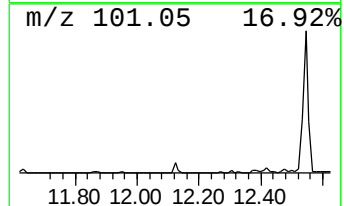
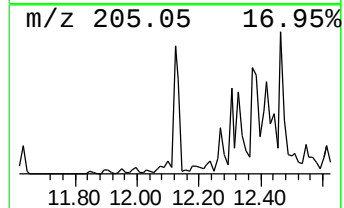
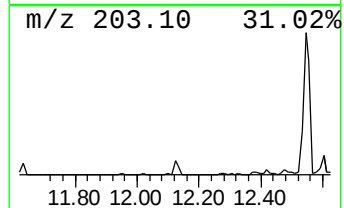
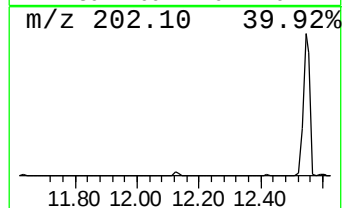
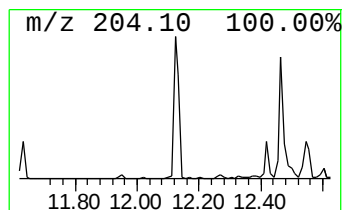
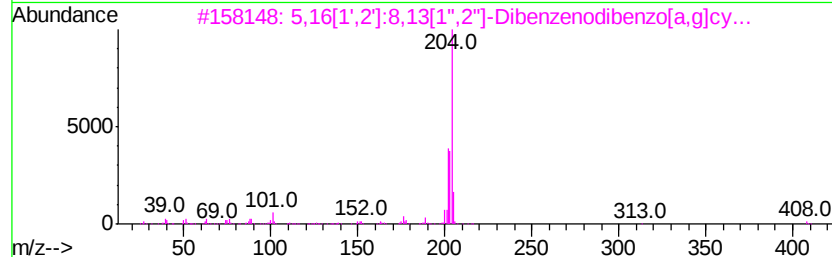
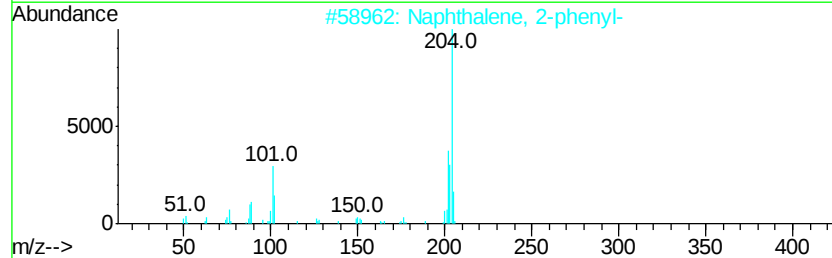
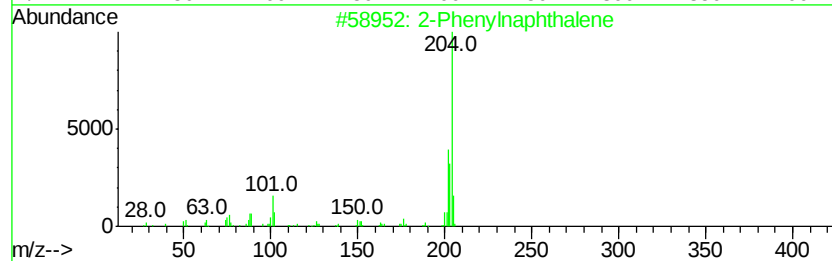
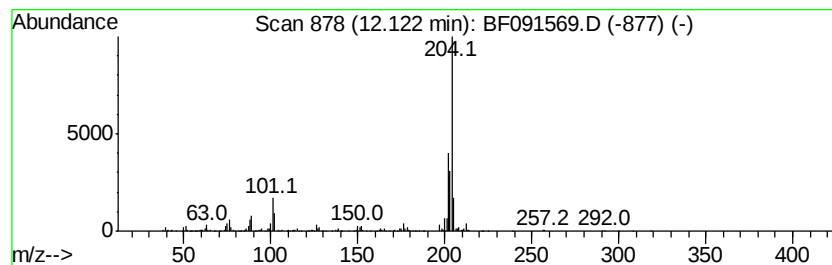
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	6.44 ng	1016030	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3			5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	87
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
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ALS Vial : 25 Sample Multiplier: 1

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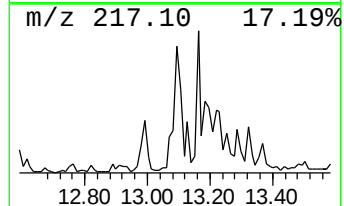
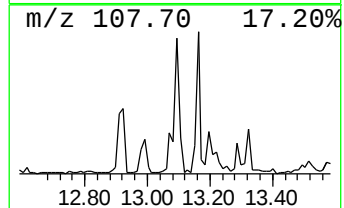
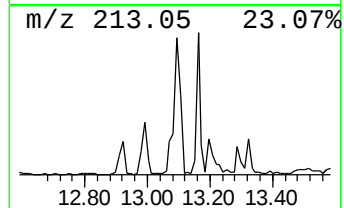
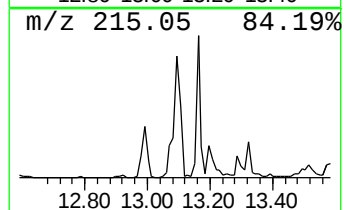
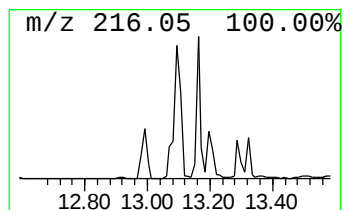
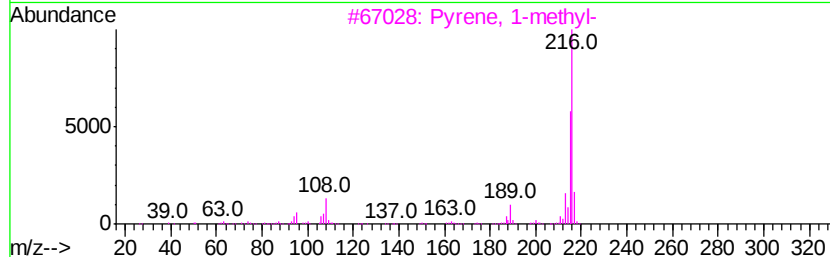
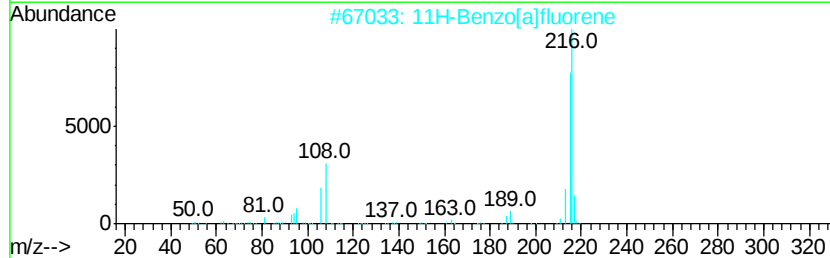
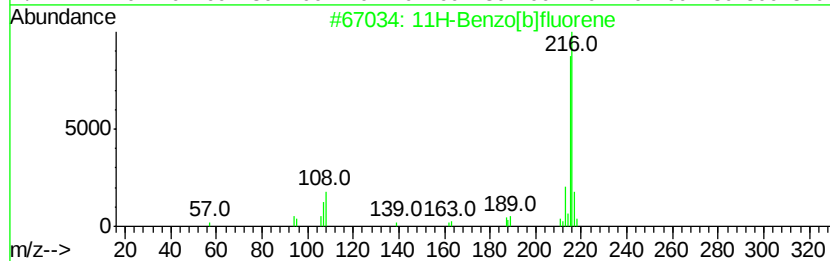
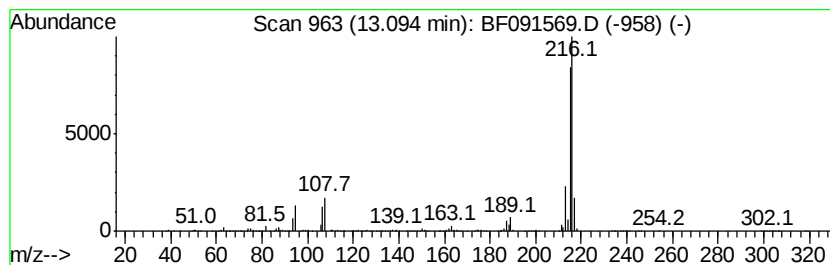
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	6.19 ng	2790840	Chrysene-d12	13.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3			Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

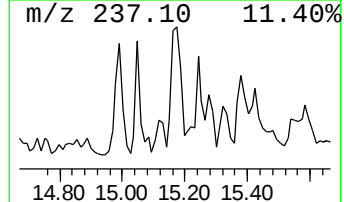
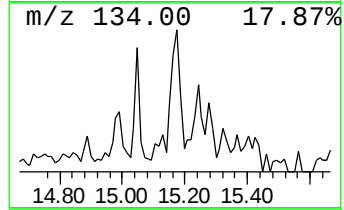
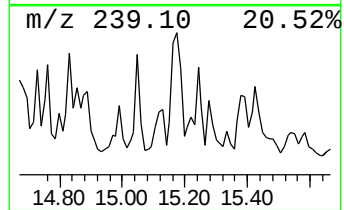
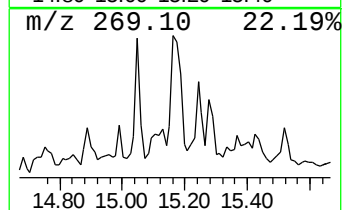
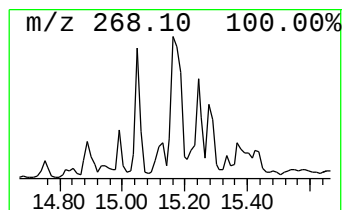
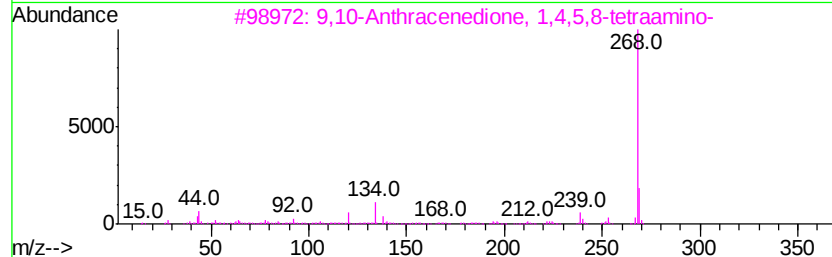
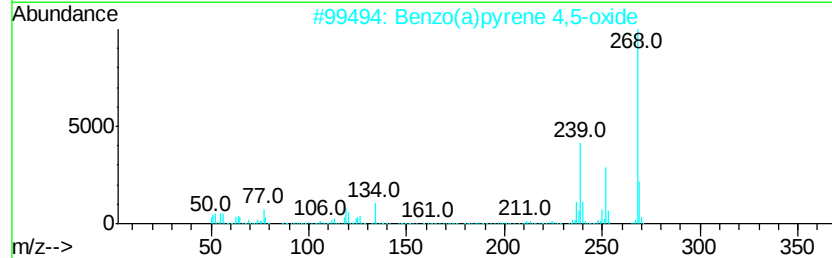
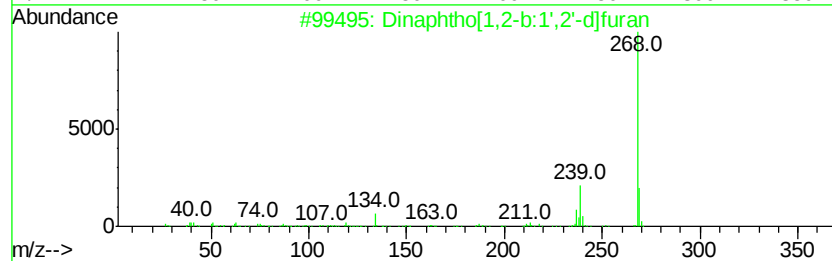
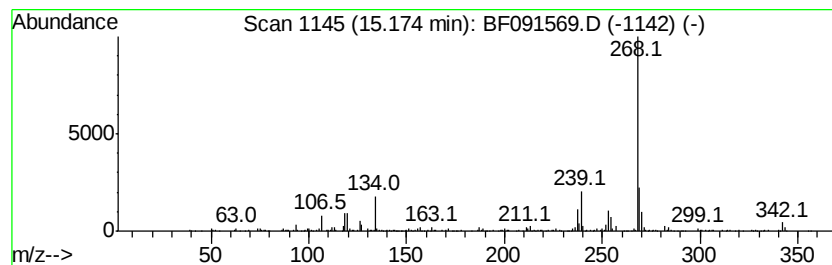
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.76 ng	503553	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
3		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	59
4		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	58
5		Dibenzo[c,e]thiepin, 5,7-dihydro...	268	C18H20S	031066-96-3	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

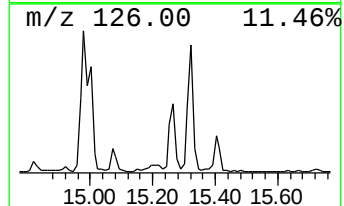
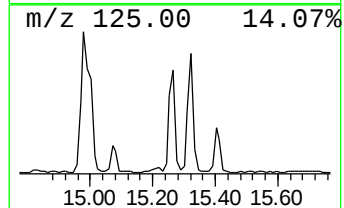
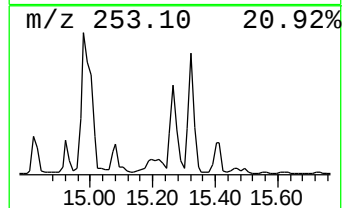
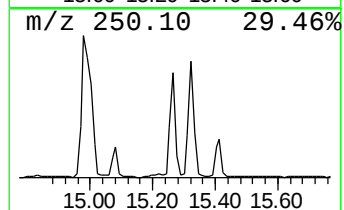
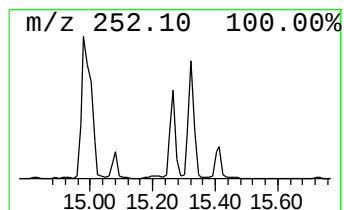
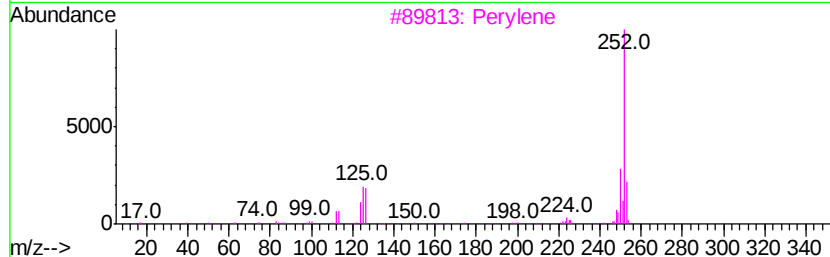
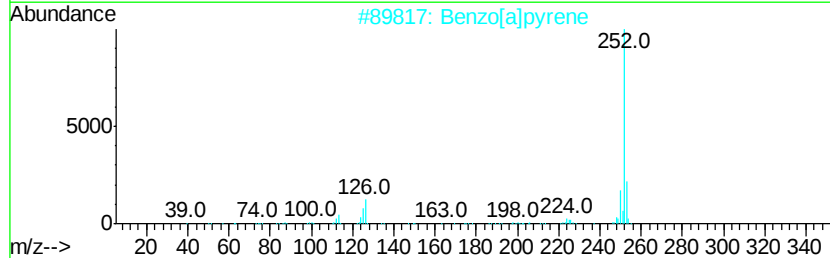
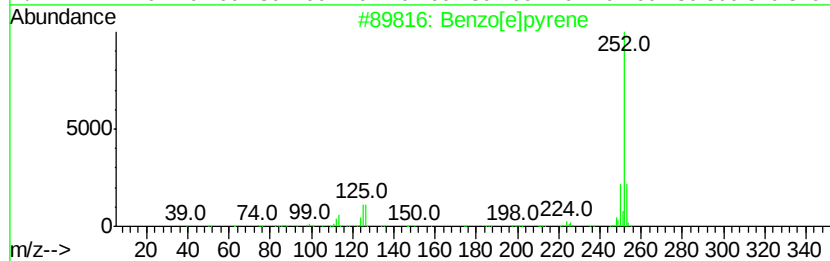
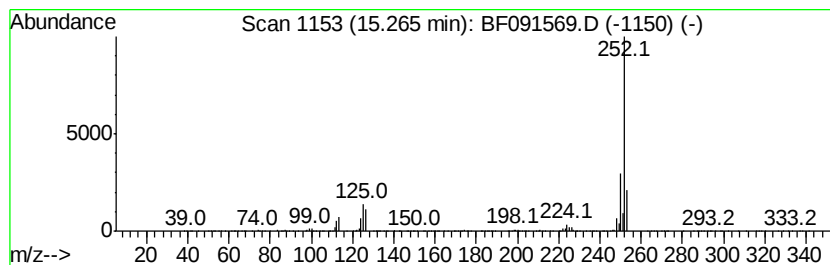
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	25.17 ng	2201440	Perylene-d12	15.38

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16

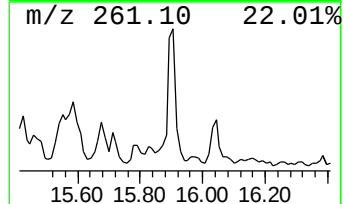
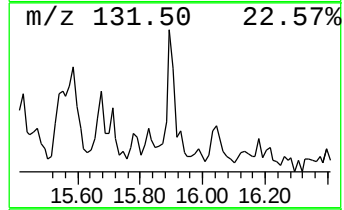
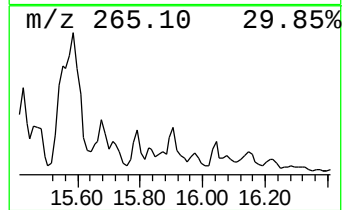
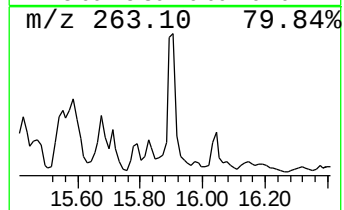
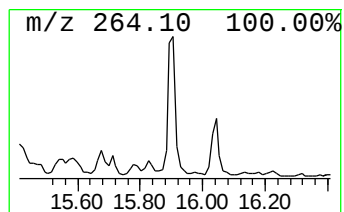
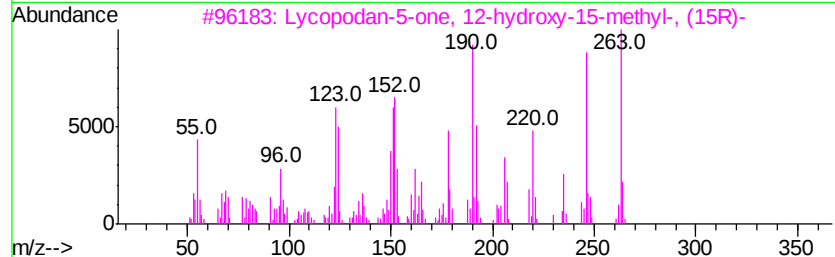
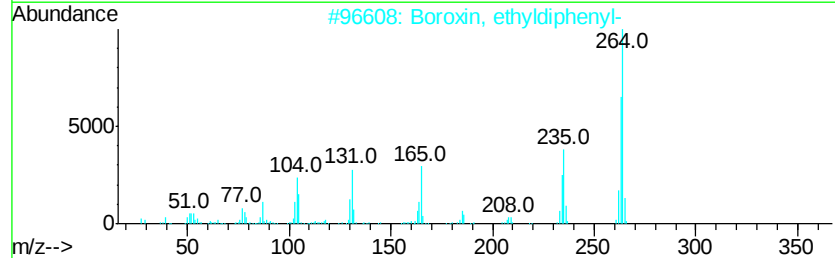
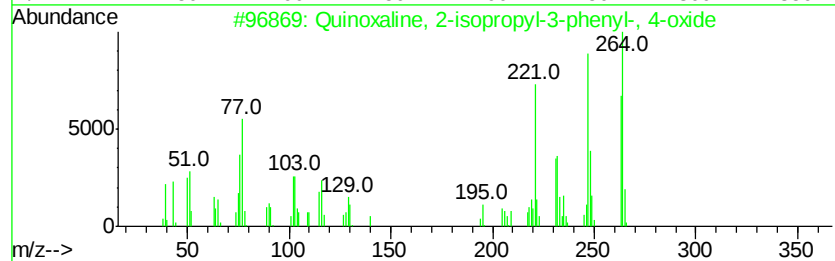
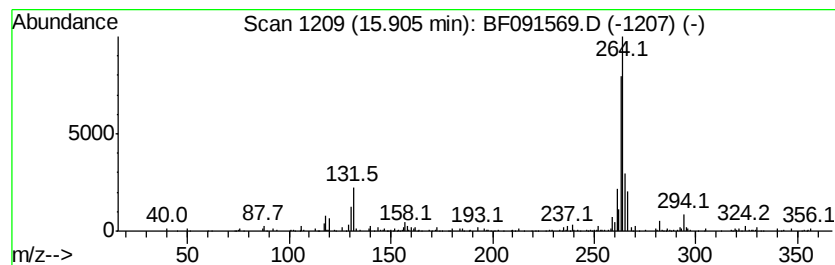
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Quinoxaline, 2-isopropyl-3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	4.77 ng	417403	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	50
2		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	40
3		Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	38
4		1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25
5		7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
Data File : BF091569.D
Acq On : 13 Dec 2016 22:15
Operator : UM/SJ
Sample : H5918-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P-21-12-6-16

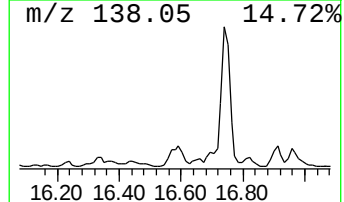
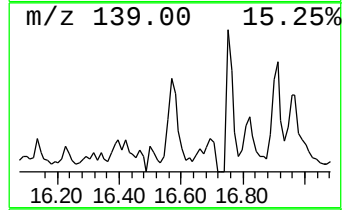
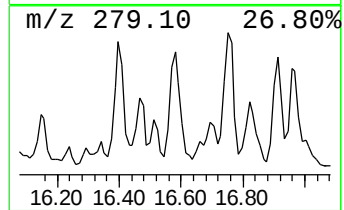
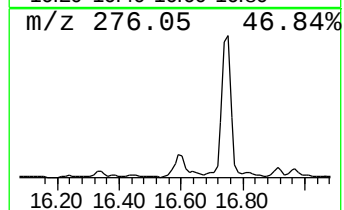
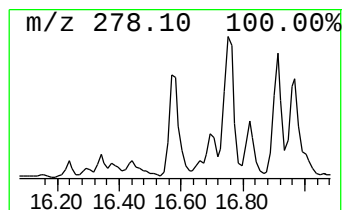
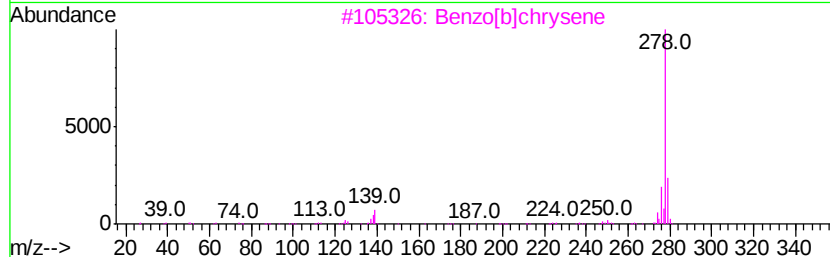
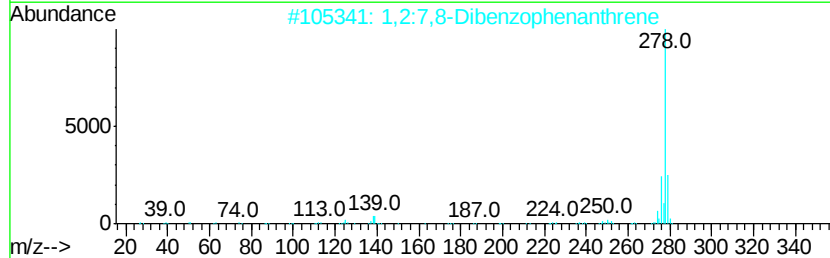
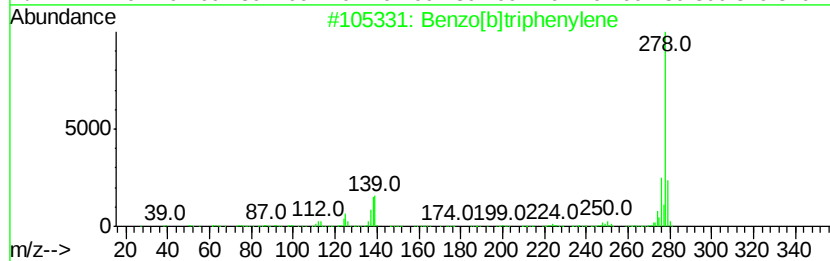
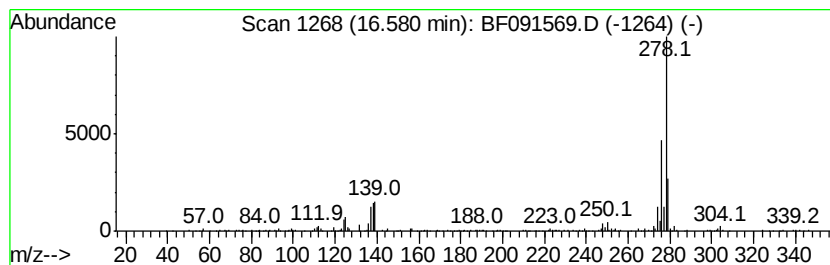
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	6.76 ng	590830	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89
3		Benzo[b]chrysene	278	C22H14	000214-17-5	70
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	70
5		Pentaphene	278	C22H14	000222-93-5	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091569.D
 Acq On : 13 Dec 2016 22:15
 Operator : UM/SJ
 Sample : H5918-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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...	5.00	35.1	ng	3162100	1	6.81	1801390	20.0
unknown6.59	6.59	92.8	ng	8362600	1	6.81	1801390	20.0
9H-Fluorene, 2-me...	10.94	4.1	ng	653074	4	11.33	3156770	20.0
Anthracene, 1,2,3...	11.20	6.6	ng	1047990	4	11.33	3156770	20.0
Dibenzothiophene	11.23	4.2	ng	658762	4	11.33	3156770	20.0
Phenanthrene, 1-m...	11.84	7.1	ng	1115750	4	11.33	3156770	20.0
Phenanthrene, 2-m...	11.86	9.9	ng	1556970	4	11.33	3156770	20.0
4H-Cyclopenta[def...	11.94	17.4	ng	2750960	4	11.33	3156770	20.0
2-Phenyl naphthalene	12.12	6.4	ng	1016030	4	11.33	3156770	20.0
11H-Benzo[b]fluorene	13.09	6.2	ng	2790840	5	13.97	9014620	20.0
Dinaphtho[1,2-b:1...	15.17	5.8	ng	503553	6	15.38	1749140	20.0
Benzo[e]pyrene	15.27	25.2	ng	2201440	6	15.38	1749140	20.0
Quinoxaline, 2-is...	15.91	4.8	ng	417403	6	15.38	1749140	20.0
Benzo[b]triphenylene	16.58	6.8	ng	590830	6	15.38	1749140	20.0