

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091599.D
 Acq On : 14 Dec 2016 22:08
 Operator : UM/SJ
 Sample : H6006-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5

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	4.967	248	252	259	rVB	1811878	2759733	9.31%	0.567%
2	5.402	287	290	292	rBV	5579019	7090746	23.92%	1.456%
3	6.442	378	381	383	rVB	6089990	7535934	25.42%	1.547%
4	6.567	389	392	394	rBV	6979767	7264621	24.51%	1.492%
5	6.796	409	412	414	rBV	1890505	1737953	5.86%	0.357%
6	6.956	423	426	428	rBV	4152696	5344118	18.03%	1.097%
7	7.356	458	461	464	rBV	3835363	3966746	13.38%	0.815%
8	8.076	522	524	528	rBV2	2325927	2556518	8.63%	0.525%
9	9.162	616	619	621	rBV	7454896	7263963	24.51%	1.492%
10	9.550	651	653	656	rVV	924713	842483	2.84%	0.173%
11	9.688	663	665	668	rBV	735955	972113	3.28%	0.200%
12	9.836	674	678	679	rBV	1956525	2318984	7.82%	0.476%
13	10.373	723	725	728	rVB	991770	1012026	3.41%	0.208%
14	10.625	744	747	749	rVV	2908746	4030866	13.60%	0.828%
15	10.751	755	758	761	rVB2	549489	916127	3.09%	0.188%
16	10.922	770	773	775	rBV3	549520	1115896	3.76%	0.229%
17	11.014	777	781	782	rVB3	367754	777863	2.62%	0.160%
18	11.071	782	786	789	rBV4	542170	1536207	5.18%	0.315%
19	11.174	793	795	796	rBV	502076	772378	2.61%	0.159%
20	11.208	796	798	804	rVB2	896501	1480163	4.99%	0.304%
21	11.345	805	810	812	rBV2	8865912	12350607	41.67%	2.536%
22	11.391	812	814	816	rVB	3537172	2830284	9.55%	0.581%
23	11.551	825	828	829	rBV	1177917	1280562	4.32%	0.263%
24	11.642	835	836	839	rVB2	977643	1024747	3.46%	0.210%
25	11.734	841	844	845	rVB2	566826	941012	3.17%	0.193%
26	11.825	849	852	853	rBV	3719254	4660458	15.72%	0.957%
27	11.848	853	854	856	rVB	5122936	4728411	15.95%	0.971%
28	11.894	856	858	860	rBV	1659562	1750975	5.91%	0.360%
29	11.928	860	861	866	rVB	4860585	10109435	34.11%	2.076%
30	12.031	866	870	871	rBV4	569139	1446773	4.88%	0.297%
31	12.111	875	877	882	rVB2	2217138	4838828	16.33%	0.994%
32	12.259	887	890	892	rBV2	1658169	2474536	8.35%	0.508%
33	12.294	892	893	894	rBV	1371767	985121	3.32%	0.202%
34	12.374	897	900	902	rBV	5160920	7729853	26.08%	1.587%

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 Integrator: RTE
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Filtering: 5
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.408	902	903	906	rVB2	2355127	3333949	11.25%	0.685%
36	12.465	906	908	911	rVB	2571621	4030735	13.60%	0.828%
37	12.557	911	916	917	rBV	11975919	22747949	76.75%	4.671%
38	12.602	917	920	925	rVB2	1350198	2802741	9.46%	0.575%
39	12.682	925	927	929	rBV	2337287	2402854	8.11%	0.493%
40	12.785	929	936	938	rBV2	11656003	29640045	100.00%	6.086%
41	12.819	938	939	941	rVB	2276841	2325363	7.85%	0.477%
42	12.877	941	944	945	rBV	1988178	3006944	10.14%	0.617%
43	12.911	945	947	950	rVB2	4921574	6448638	21.76%	1.324%
44	12.991	950	954	957	rBV4	3576944	7001007	23.62%	1.438%
45	13.094	957	963	964	rBV2	4025801	8673582	29.26%	1.781%
46	13.162	964	969	970	rBV3	1748314	3227089	10.89%	0.663%
47	13.197	970	972	976	rBV2	4747280	6755508	22.79%	1.387%
48	13.288	978	980	981	rBV	2831566	2822887	9.52%	0.580%
49	13.322	981	983	984	rVV	3142951	2847668	9.61%	0.585%
50	13.402	988	990	992	rVB3	824345	1279751	4.32%	0.263%
51	13.494	994	998	999	rBV3	967037	2836993	9.57%	0.583%
52	13.608	1004	1008	1010	rVV	4907624	7582956	25.58%	1.557%
53	13.665	1011	1013	1014	rVV	1022787	1260066	4.25%	0.259%
54	13.711	1014	1017	1018	rVV	4338196	5956324	20.10%	1.223%
55	13.745	1018	1020	1021	rVV2	3683195	5528126	18.65%	1.135%
56	13.768	1021	1022	1025	rVV3	3556325	5968721	20.14%	1.226%
57	13.814	1025	1026	1028	rVV	3545719	4932908	16.64%	1.013%
58	13.882	1030	1032	1034	rVV	858297	1475290	4.98%	0.303%
59	13.974	1035	1040	1041	rVV	8685003	21363581	72.08%	4.387%
60	14.008	1041	1043	1046	rVV	9236670	18834804	63.55%	3.867%
61	14.077	1046	1049	1051	rVV2	2466853	4857795	16.39%	0.997%
62	14.134	1051	1054	1057	rVV5	1674082	5838356	19.70%	1.199%
63	14.191	1057	1059	1061	rVV3	1983456	4000250	13.50%	0.821%
64	14.225	1061	1062	1065	rVV2	1852577	2620322	8.84%	0.538%
65	14.282	1065	1067	1068	rVV	1303207	1490408	5.03%	0.306%
66	14.351	1068	1073	1075	rVV	4115282	9019651	30.43%	1.852%
67	14.385	1075	1076	1078	rVV2	3354872	4087122	13.79%	0.839%
68	14.442	1078	1081	1082	rVV3	1904210	3996787	13.48%	0.821%
69	14.477	1082	1084	1087	rVV3	2808798	4897012	16.52%	1.006%
70	14.545	1087	1090	1093	rVB2	1725817	2664397	8.99%	0.547%
71	14.660	1097	1100	1105	rBV4	1299879	3979919	13.43%	0.817%

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72	14.751	1107	1108	1111	rVB2	806428	1076920	3.63%	0.221%
73	14.831	1111	1115	1118	rBV3	2096756	4121796	13.91%	0.846%
74	14.888	1118	1120	1122	rVB2	729970	921608	3.11%	0.189%
75	14.934	1122	1124	1126	rBV2	588704	1078492	3.64%	0.221%
76	15.025	1126	1132	1137	rVV2	8611532	29387238	99.15%	6.034%
77	15.105	1137	1139	1140	rVB	2535791	3188327	10.76%	0.655%
78	15.174	1143	1145	1148	rBV2	991388	2568353	8.67%	0.527%
79	15.231	1148	1150	1152	rVV2	611357	873160	2.95%	0.179%
80	15.300	1152	1156	1158	rVV	5817678	12777041	43.11%	2.624%
81	15.368	1158	1162	1164	rVV	7209549	14903507	50.28%	3.060%
82	15.448	1164	1169	1171	rVB3	3791670	7117165	24.01%	1.461%
83	15.700	1188	1191	1192	rVV	814285	1512258	5.10%	0.311%
84	15.734	1192	1194	1197	rVB	822112	1315863	4.44%	0.270%
85	15.803	1197	1200	1202	rBV2	662476	1341790	4.53%	0.276%
86	15.848	1202	1204	1205	rVV2	487681	785207	2.65%	0.161%
87	15.883	1205	1207	1209	rVV	566773	947528	3.20%	0.195%
88	15.928	1209	1211	1215	rVB2	739618	1315690	4.44%	0.270%
89	16.248	1237	1239	1245	rVB3	551701	1334469	4.50%	0.274%
90	16.351	1245	1248	1252	rBV4	630779	1907521	6.44%	0.392%
91	16.591	1265	1269	1271	rBV2	1072022	2851076	9.62%	0.585%
92	16.820	1281	1289	1291	rBV	4291153	14367088	48.47%	2.950%
93	16.854	1291	1292	1295	rVB	866591	951740	3.21%	0.195%
94	16.946	1296	1300	1302	rBV	1335733	3081938	10.40%	0.633%
95	17.003	1302	1305	1308	rVV2	1071705	1957248	6.60%	0.402%
96	17.231	1317	1325	1329	rBV	3327477	11302469	38.13%	2.321%
97	17.414	1337	1341	1348	rVB2	1029568	3037193	10.25%	0.624%
98	18.271	1412	1416	1423	rVB4	353854	1268237	4.28%	0.260%
99	19.300	1498	1506	1513	rVB2	1123712	4987973	16.83%	1.024%
100	19.483	1513	1522	1525	rBV	759541	3750790	12.65%	0.770%

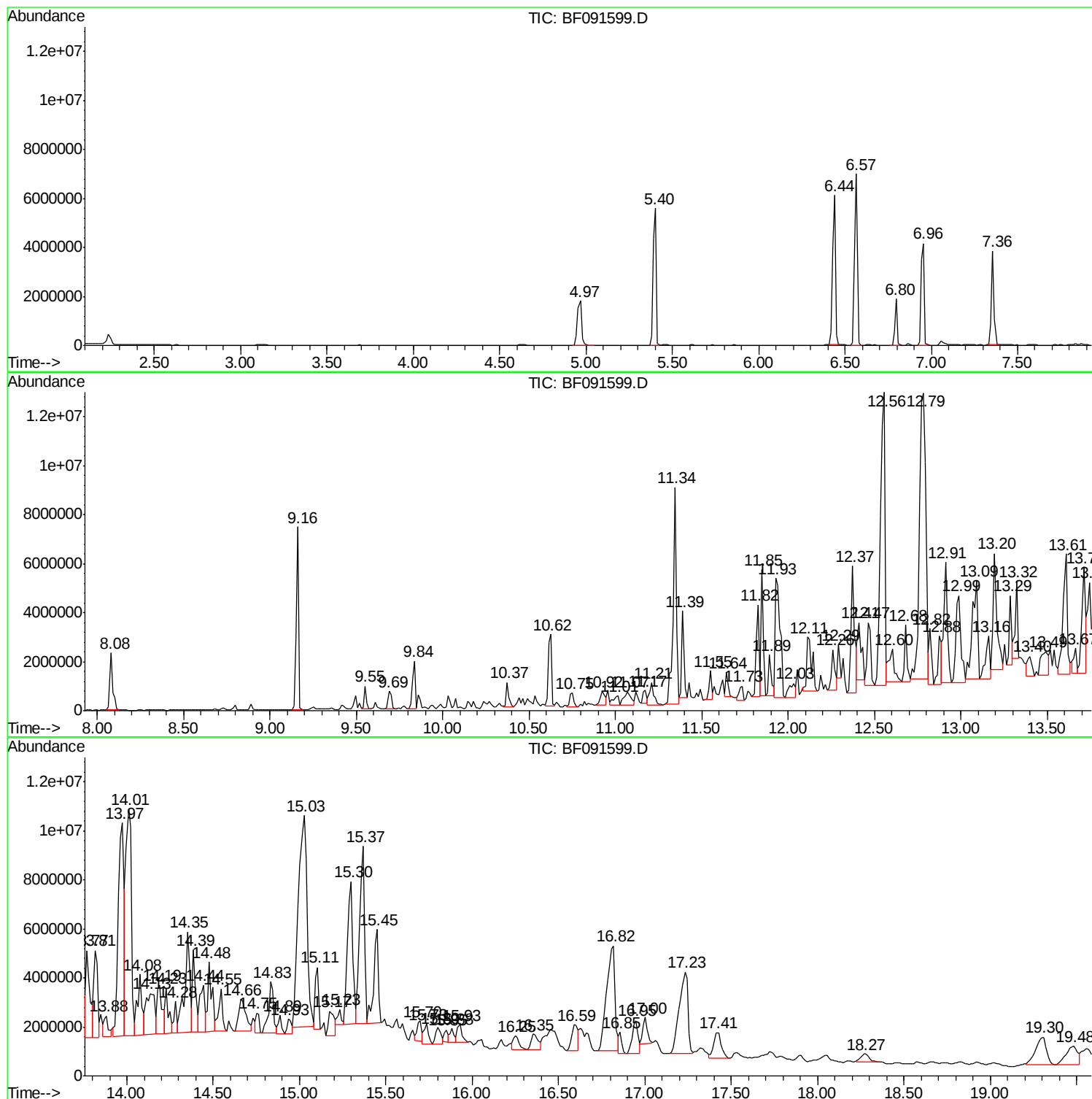
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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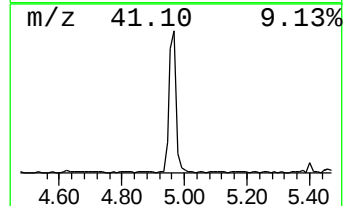
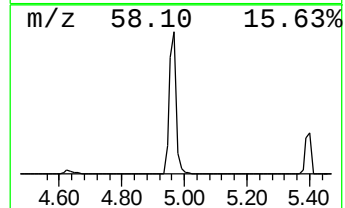
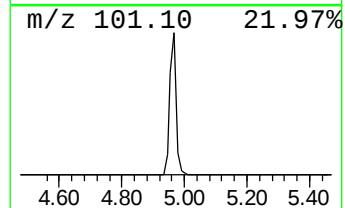
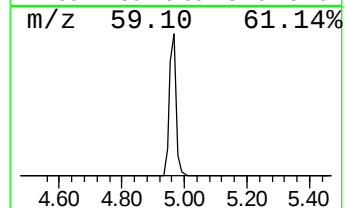
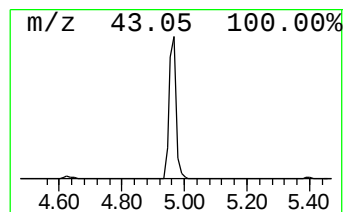
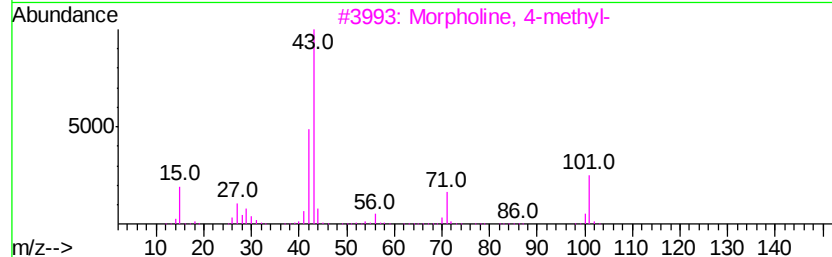
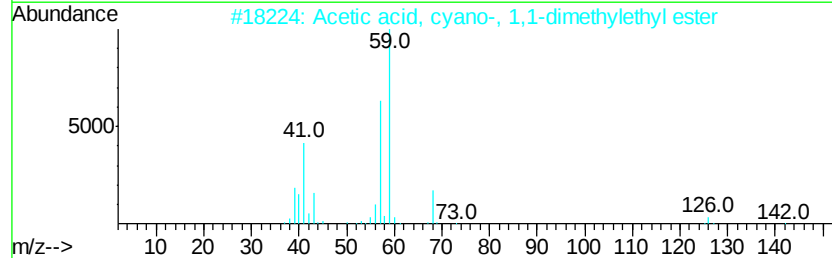
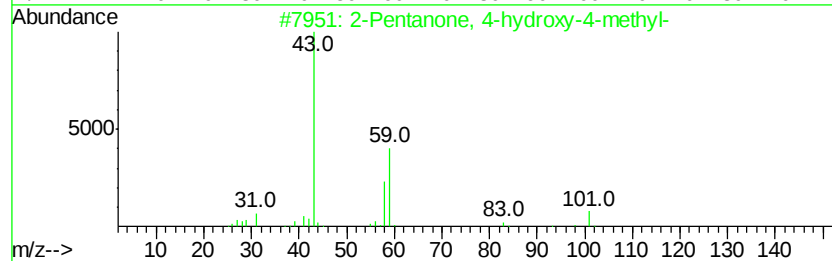
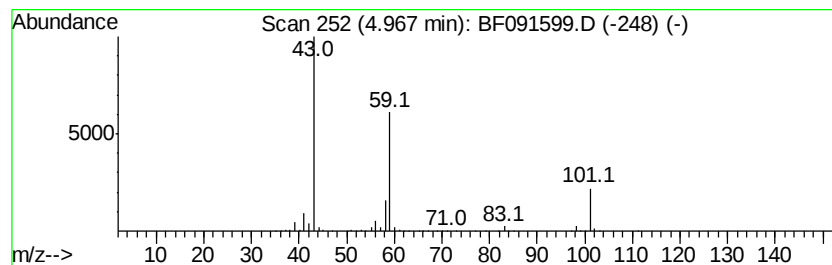
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
4.97	31.76 ng	2759730	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



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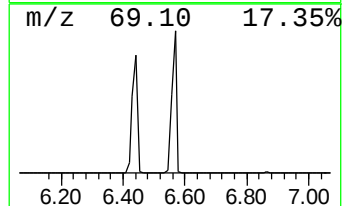
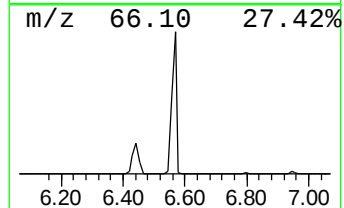
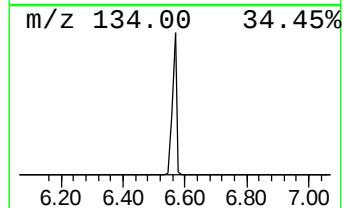
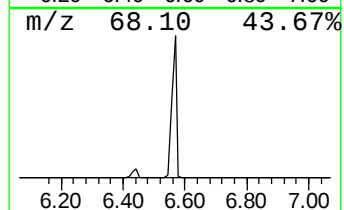
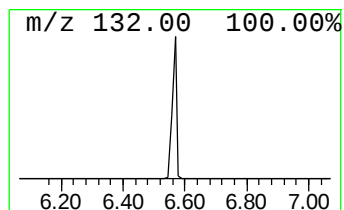
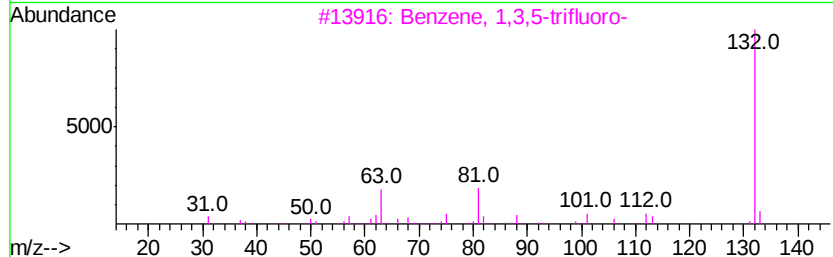
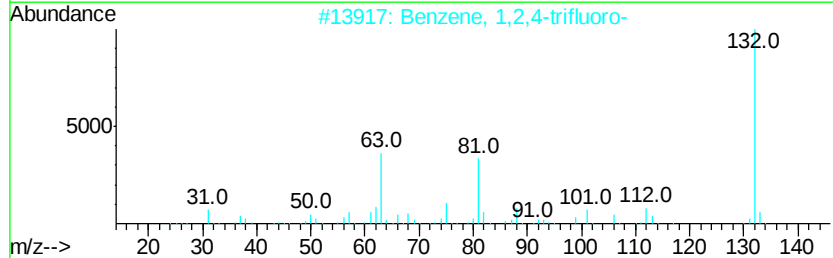
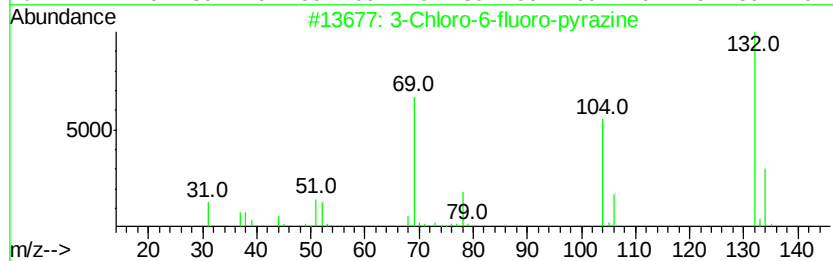
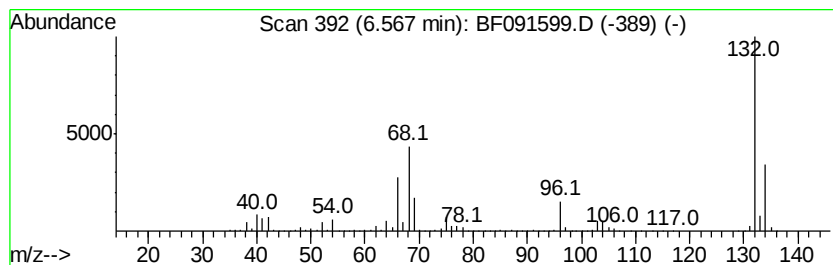
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	83.60 ng	7264620	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
3		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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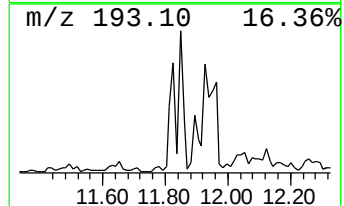
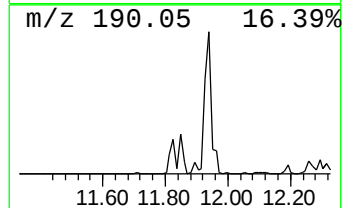
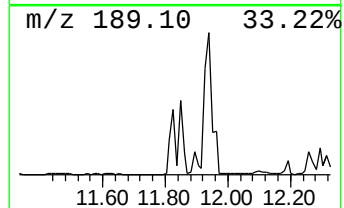
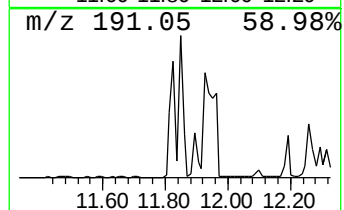
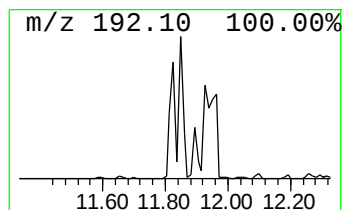
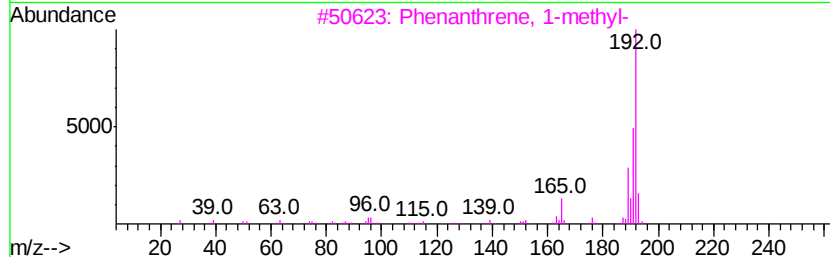
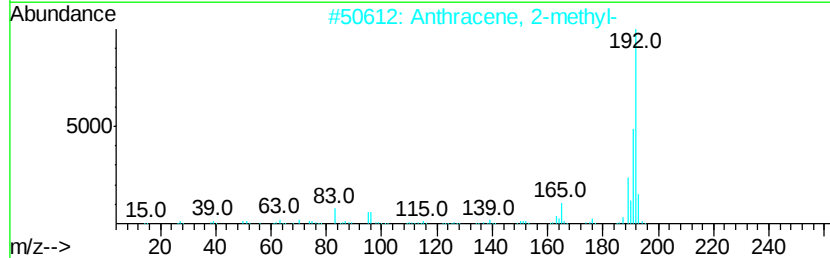
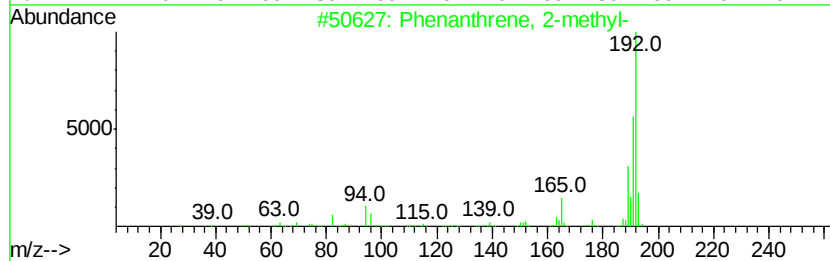
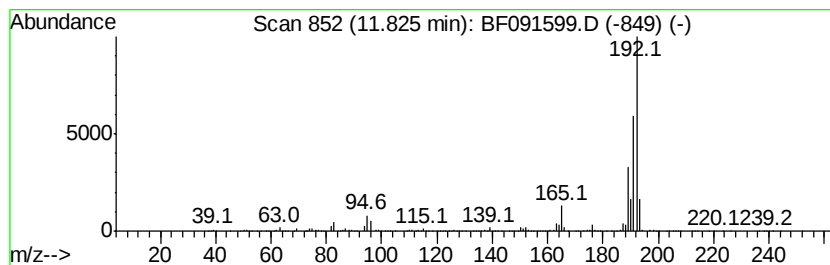
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	7.55 ng	4660460	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
Data File : BF091599.D
Acq On : 14 Dec 2016 22:08
Operator : UM/SJ
Sample : H6006-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

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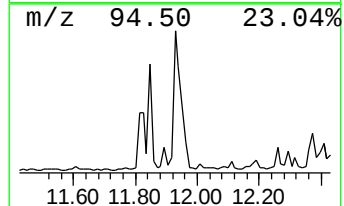
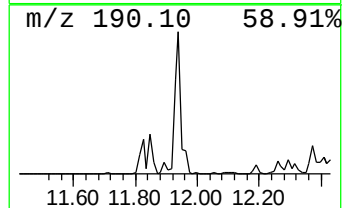
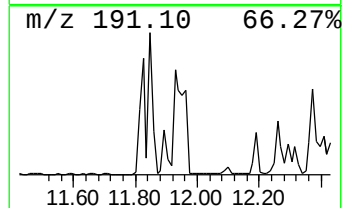
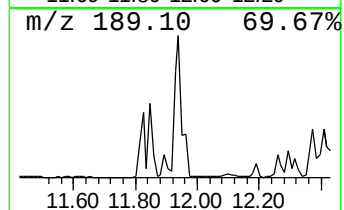
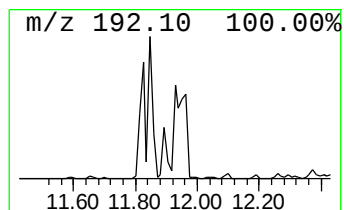
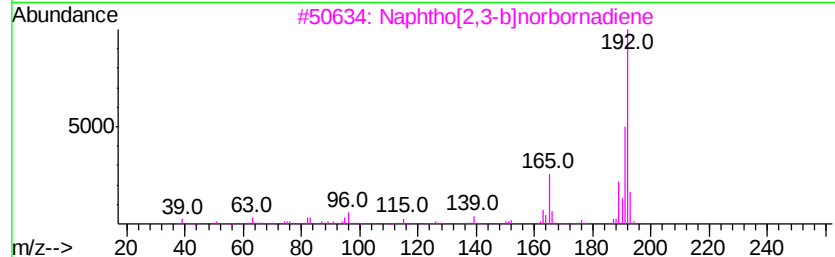
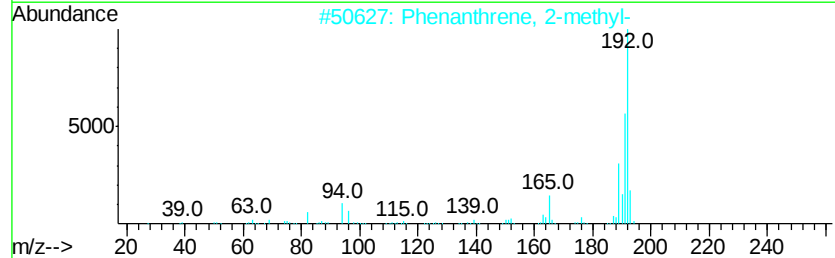
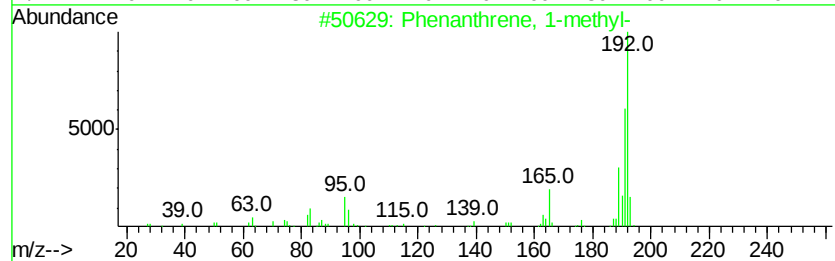
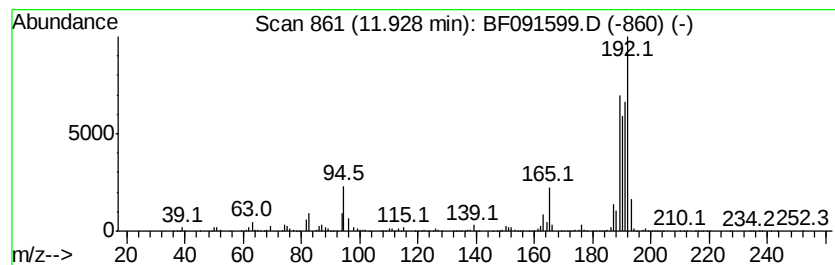
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	16.37 ng	10109400	Phenanthrene-d10	11.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
4		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	60
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091599.D
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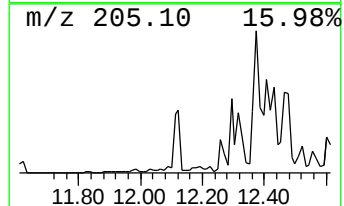
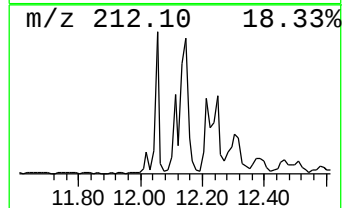
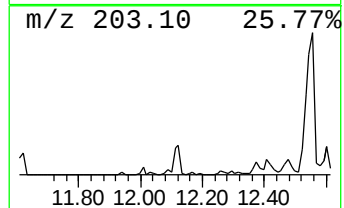
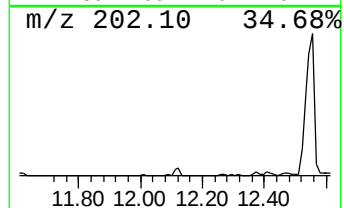
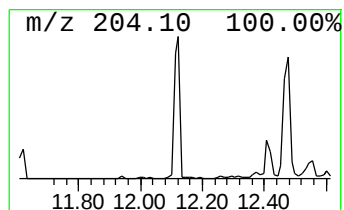
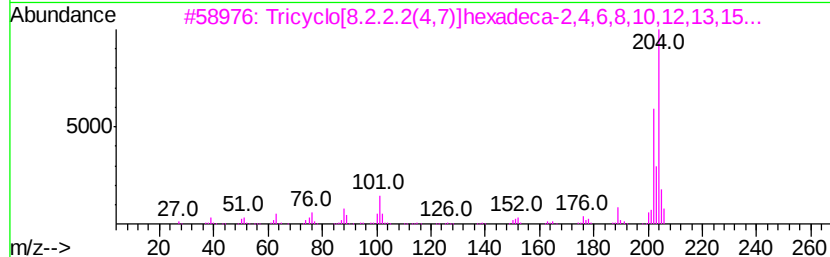
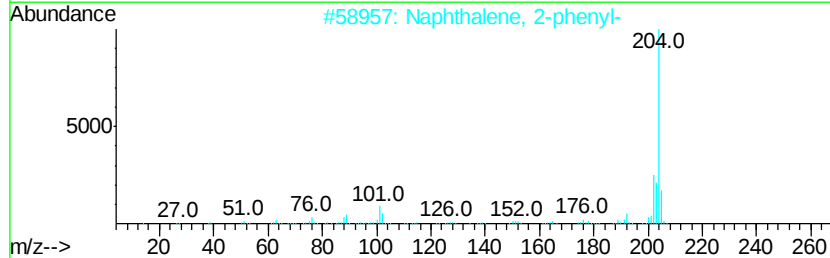
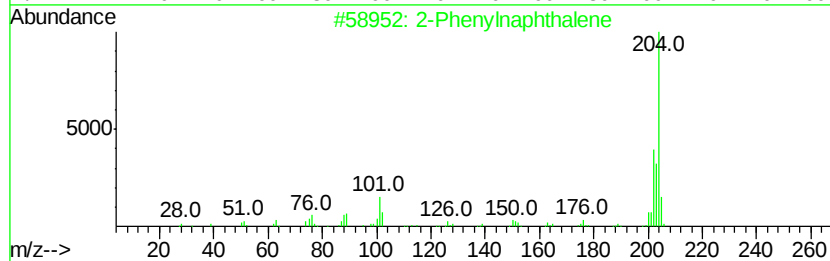
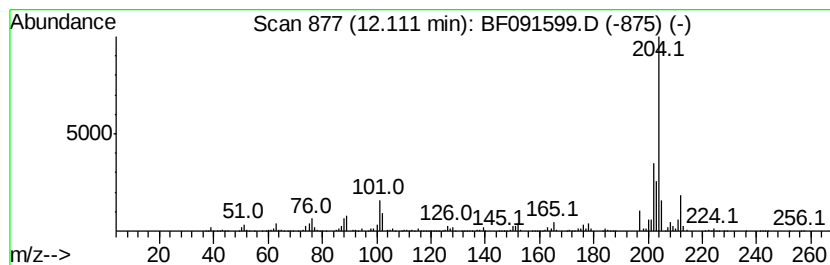
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.84 ng	4838830	Phenanthrene-d10	11.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	92
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091599.D
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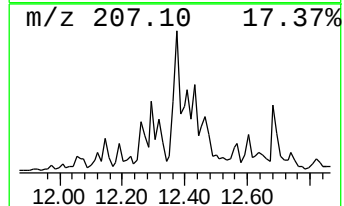
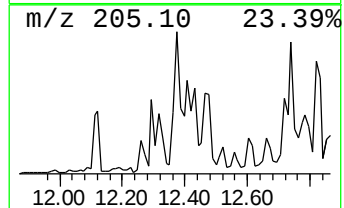
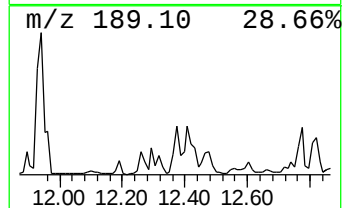
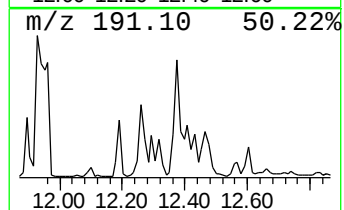
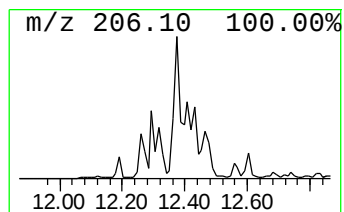
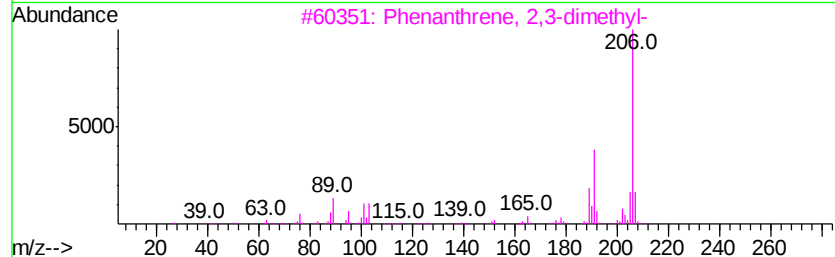
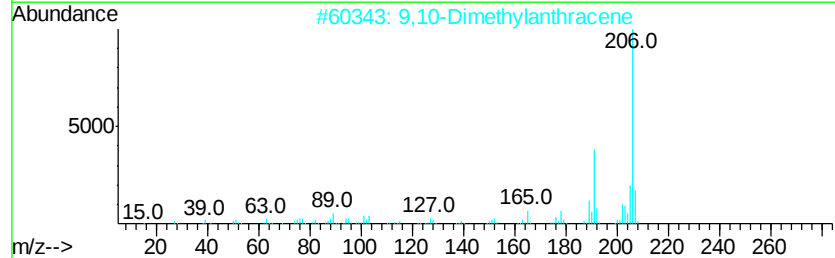
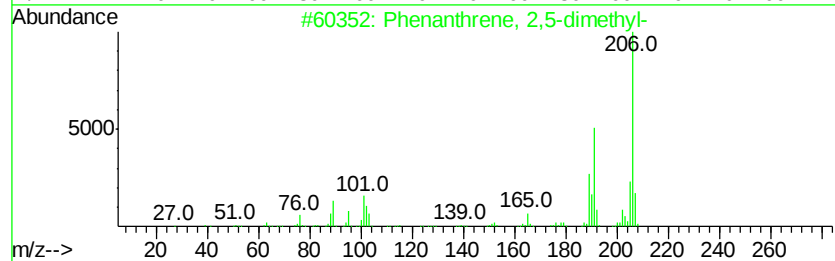
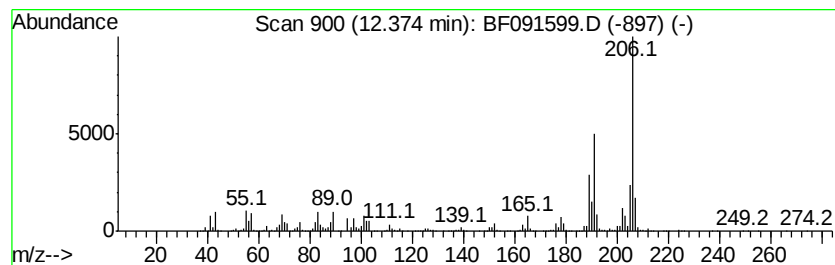
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	12.52 ng	7729850	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
Data File : BF091599.D
Acq On : 14 Dec 2016 22:08
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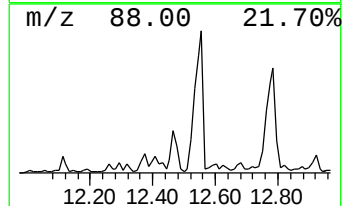
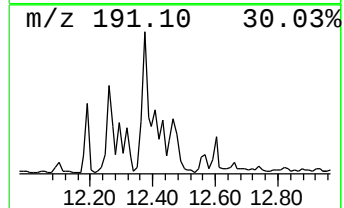
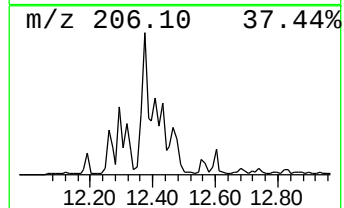
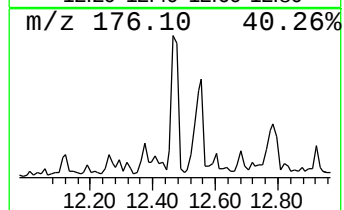
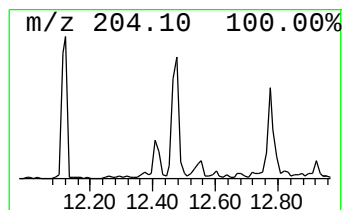
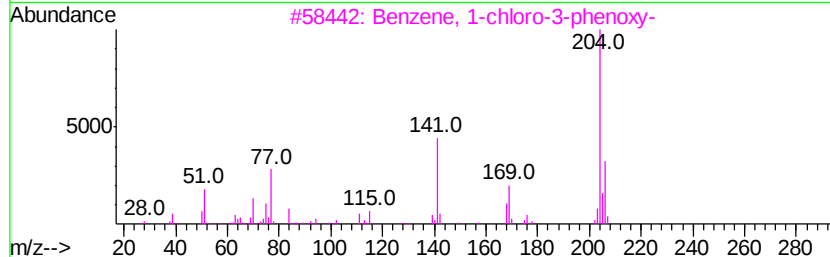
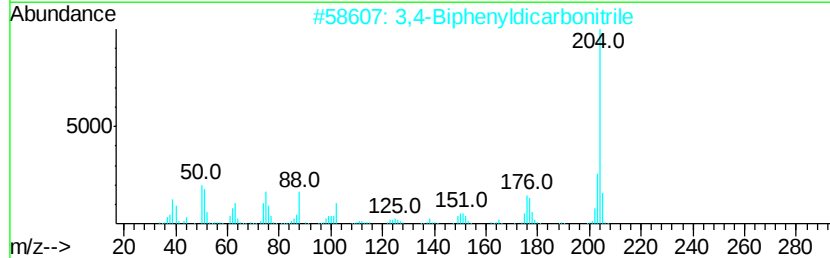
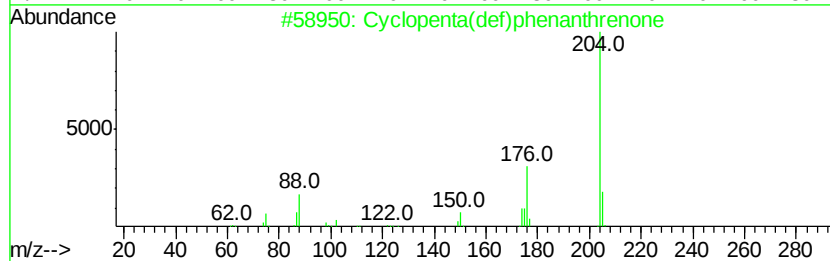
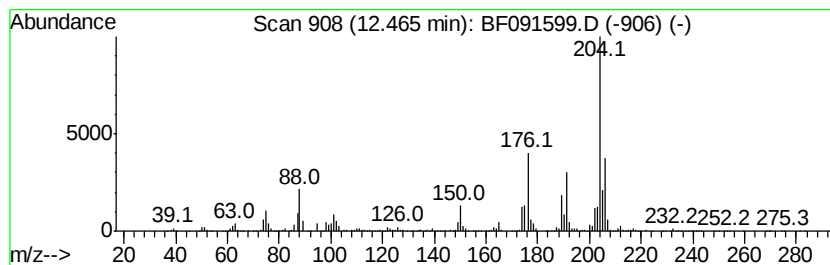
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	6.53 ng	4030740	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
4		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
5		Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
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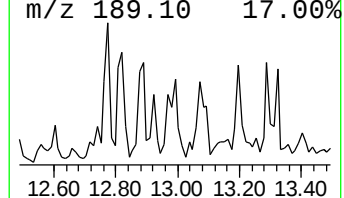
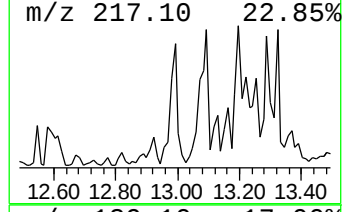
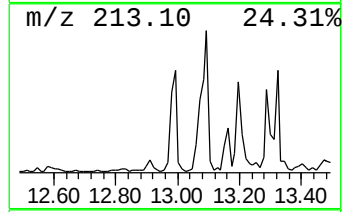
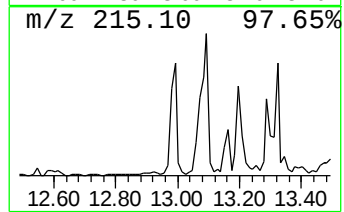
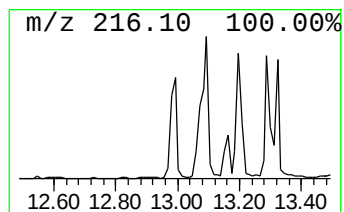
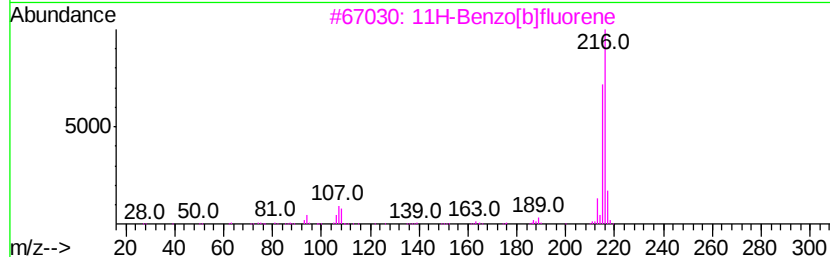
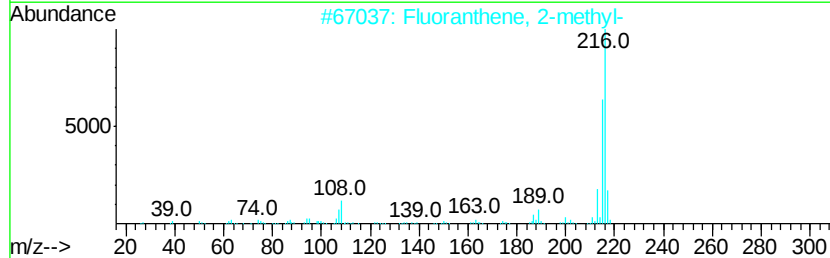
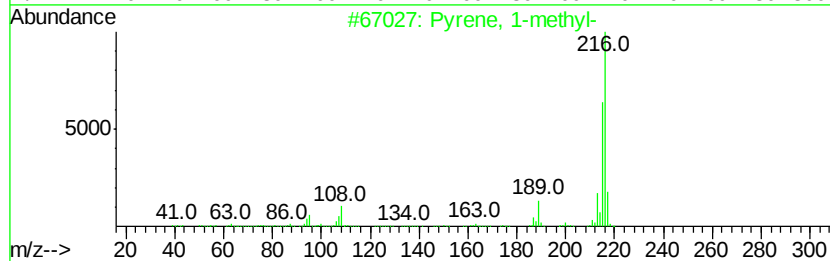
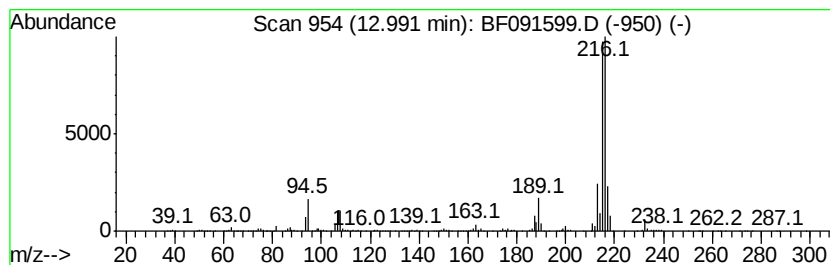
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	6.55 ng	7001010	Chrysene-d12	13.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
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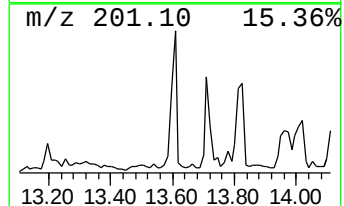
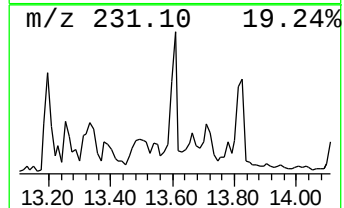
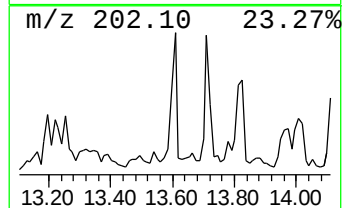
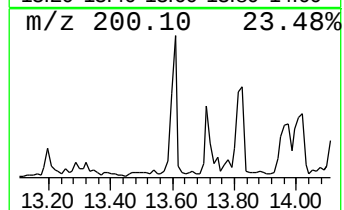
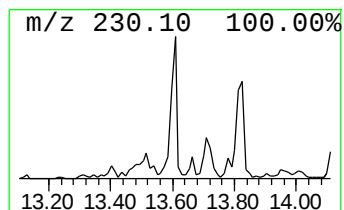
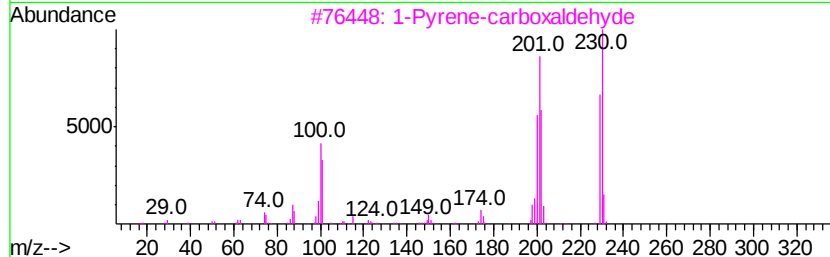
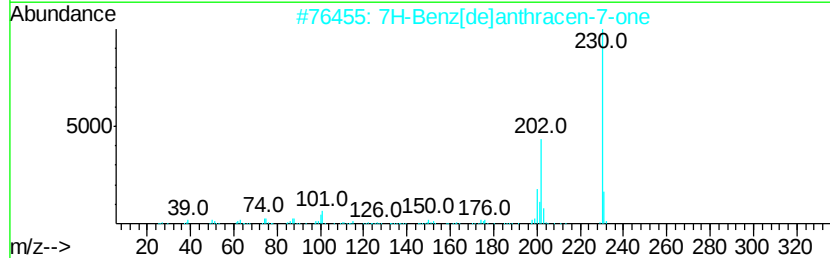
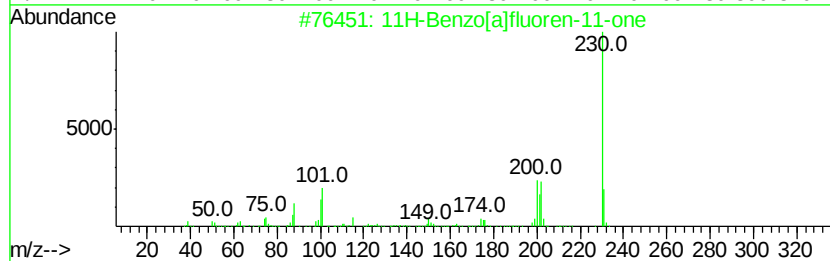
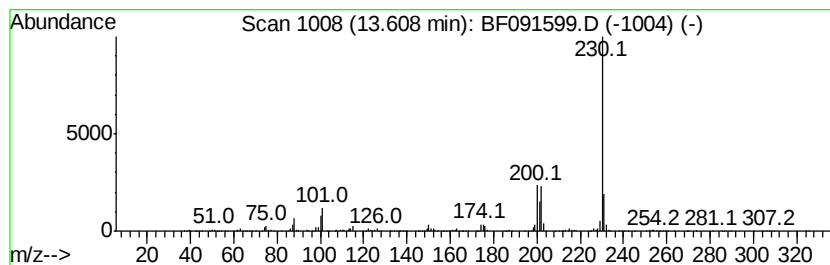
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.			
13.61	7.10 ng	7582960	Chrysene-d12	13.99			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			1-Pyrene-carboxaldehyd	230	C17H10O	003029-19-4	78
4			o-Terphenyl	230	C18H14	000084-15-1	64
5			p-Terphenyl	230	C18H14	000092-94-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091599.D
Acq On : 14 Dec 2016 22:08
Operator : UM/SJ
Sample : H6006-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

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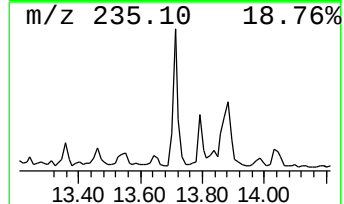
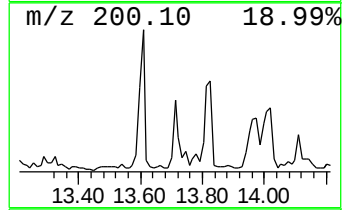
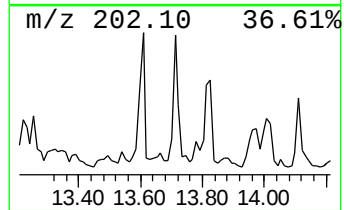
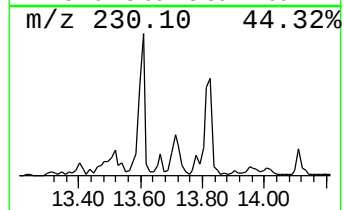
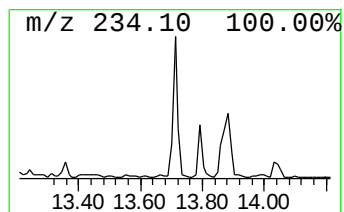
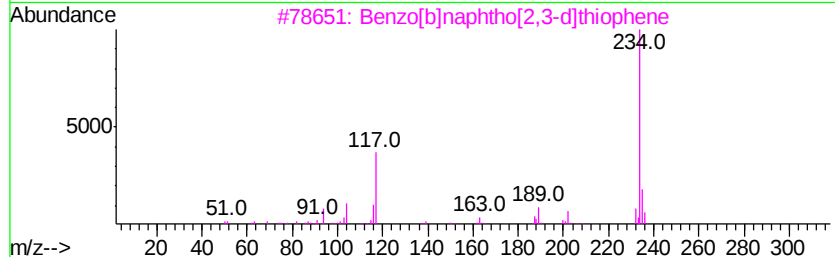
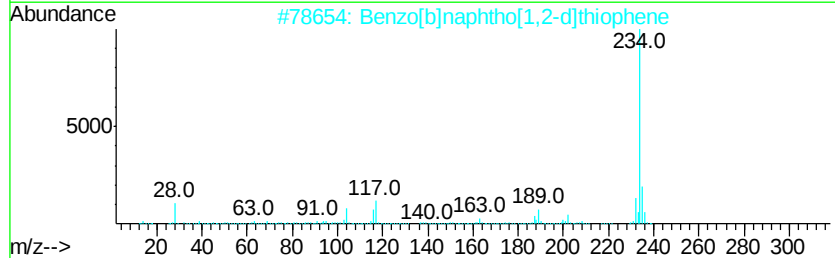
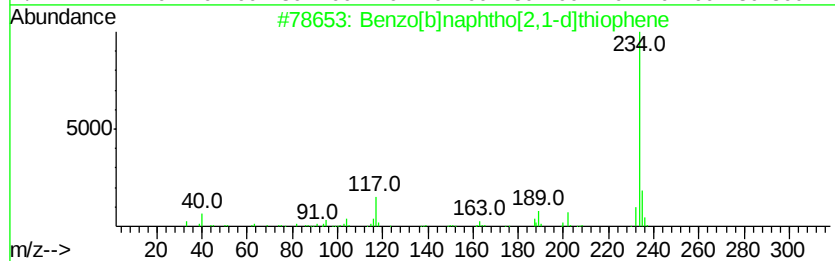
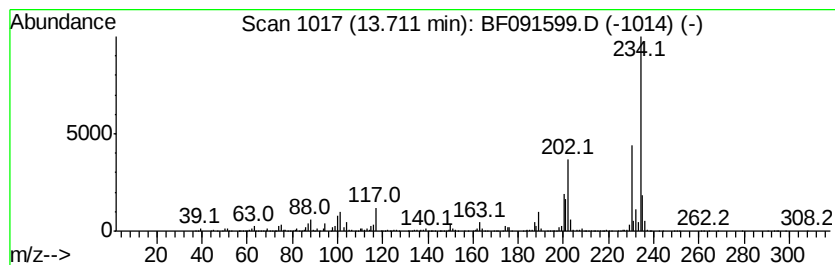
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	5.58 ng	5956320	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
4			2-Amino-6-t-butyl-3-cvano-4,5,6,...	234	C13H18N2S	042159-76-2	38
5			Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091599.D
Acq On : 14 Dec 2016 22:08
Operator : UM/SJ
Sample : H6006-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5

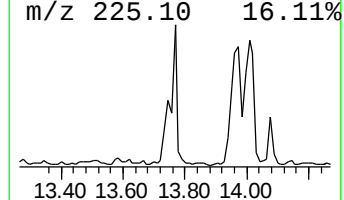
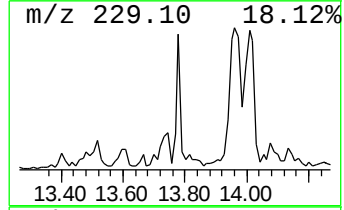
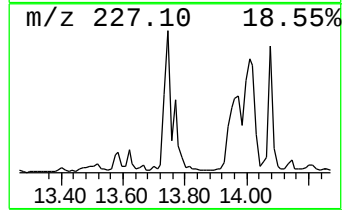
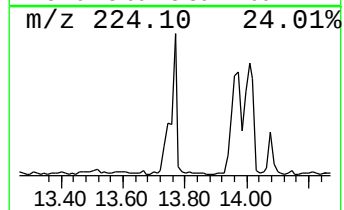
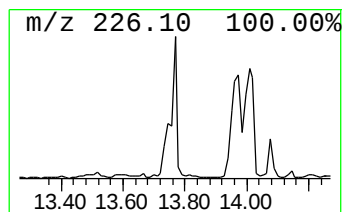
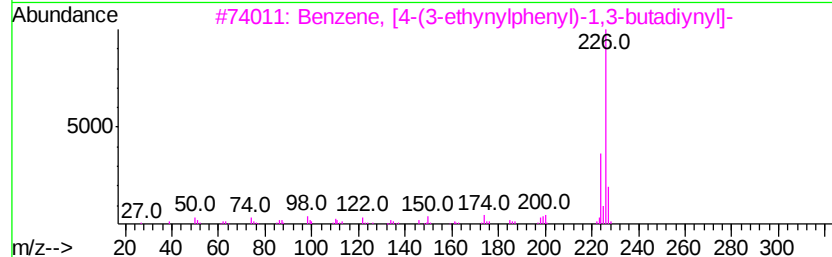
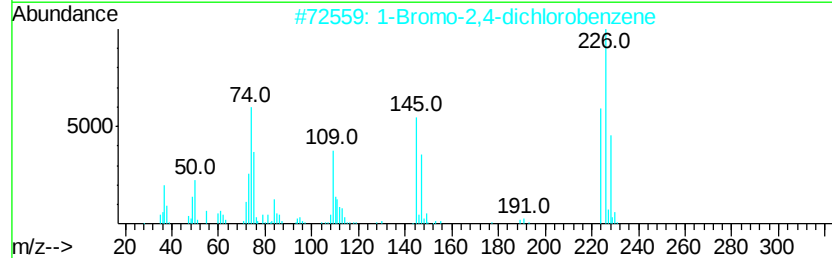
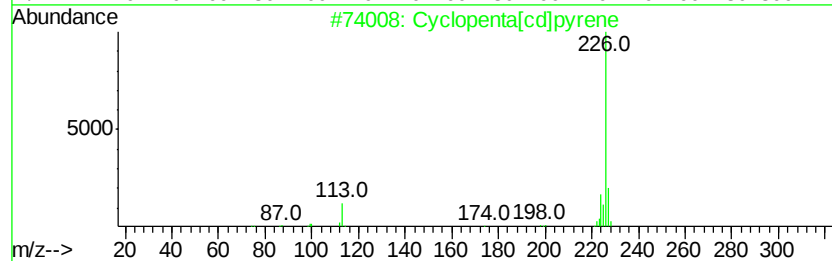
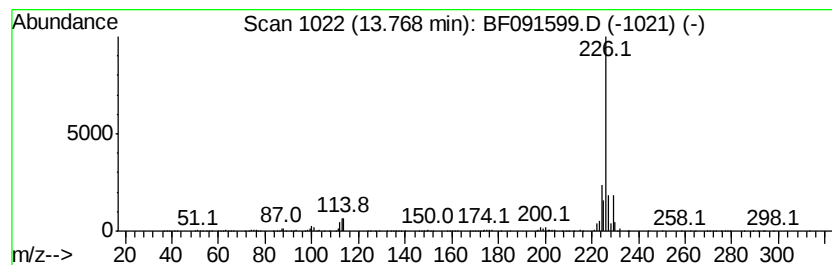
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	5.59 ng	5968720	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
2		1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	53
3		Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	53
4		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	52
5		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
Data File : BF091599.D
Acq On : 14 Dec 2016 22:08
Operator : UM/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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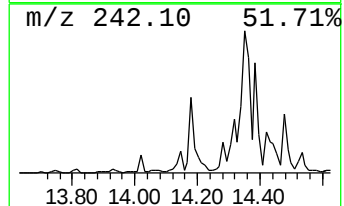
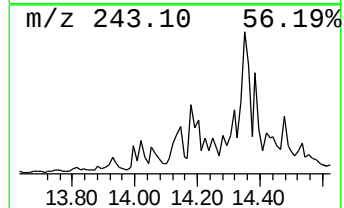
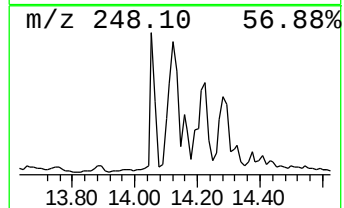
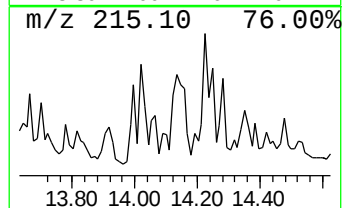
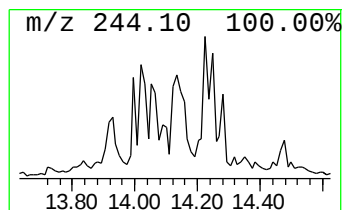
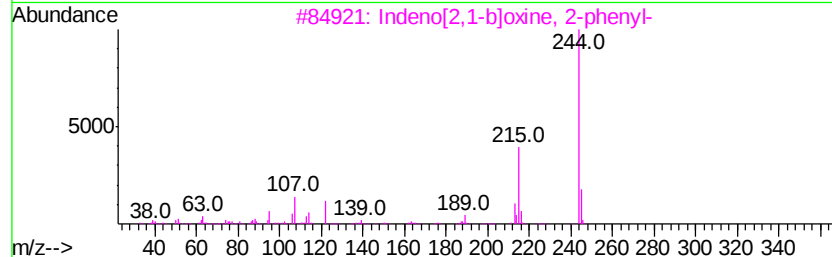
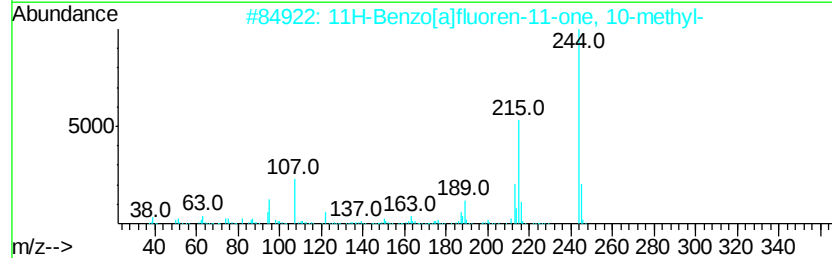
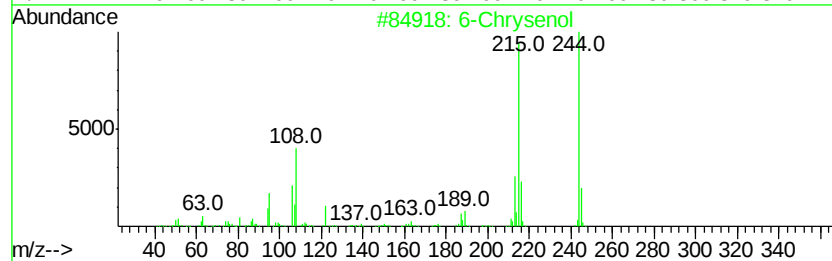
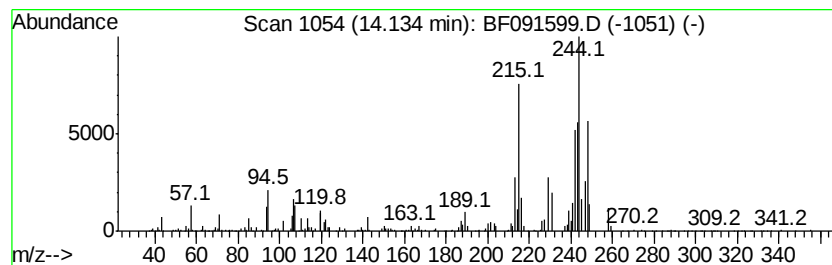
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 6-Chrysenol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	5.47 ng	5838360	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Chrysenol	244	C18H12O	037515-51-8	84
2			11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	70
3			Indeno[2,1-b]oxine, 2-phenyl-	244	C18H12O	010435-67-3	60
4			2-Propenoic acid, 2-cyano-3-(4-d...	244	C14H16N2O2	001886-52-8	38
5			6-Chrysenamine	243	C18H13N	002642-98-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091599.D
Acq On : 14 Dec 2016 22:08
Operator : UM/SJ
Sample : H6006-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

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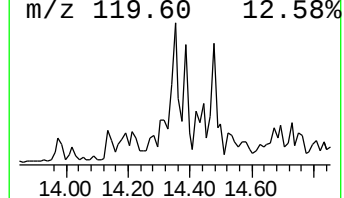
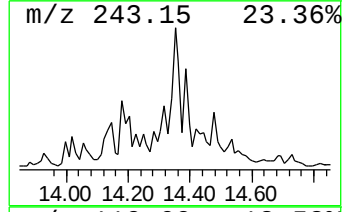
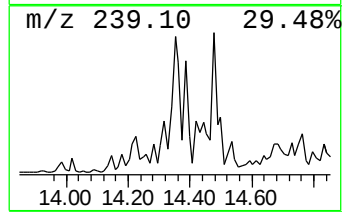
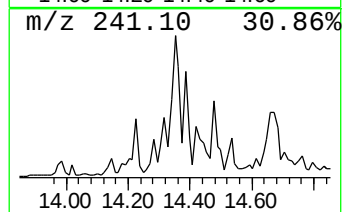
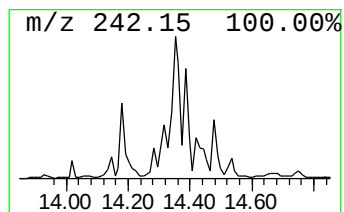
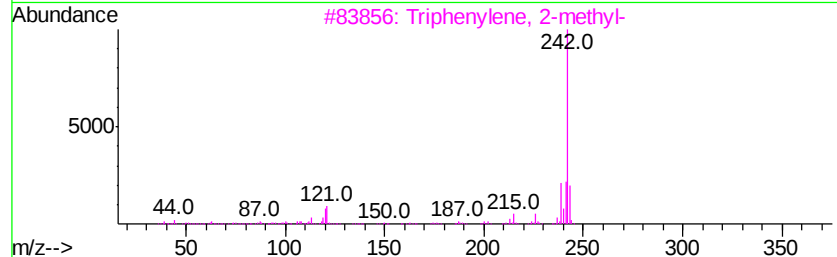
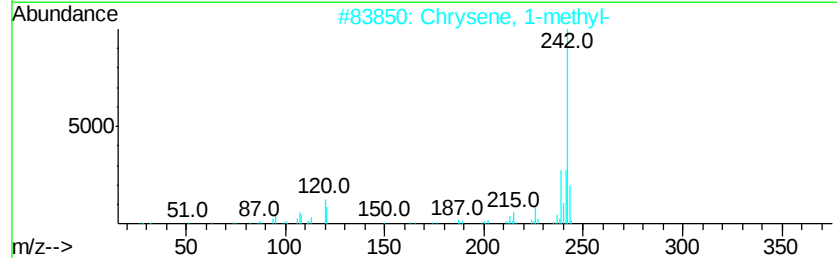
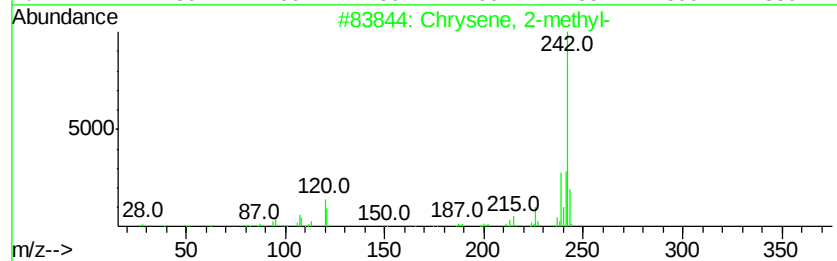
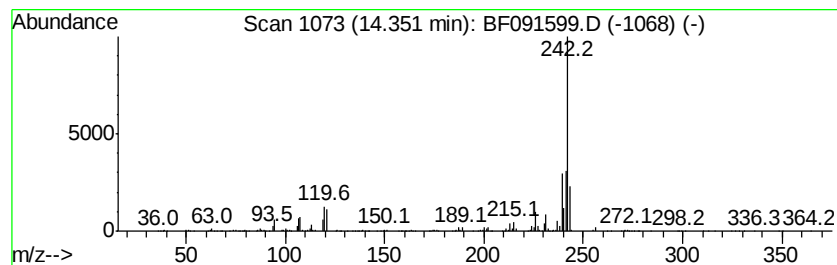
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Chrysene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	8.44 ng	9019650	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
2		Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4		Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
5		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
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Acq On : 14 Dec 2016 22:08
Operator : UM/SJ
Sample : H6006-17
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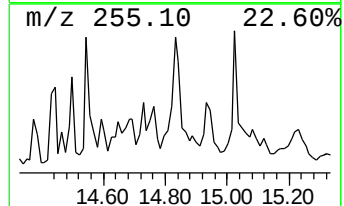
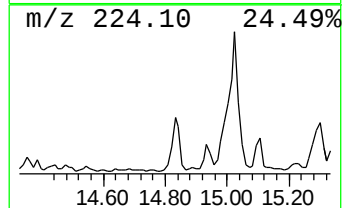
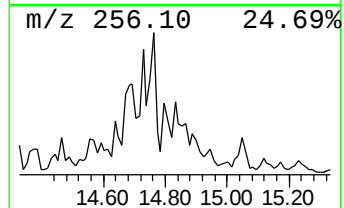
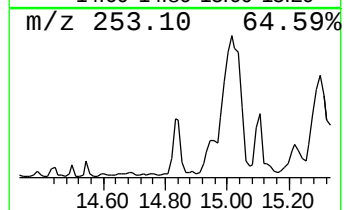
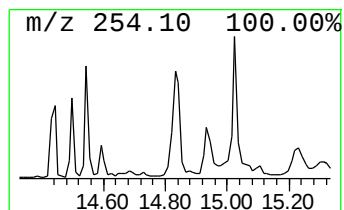
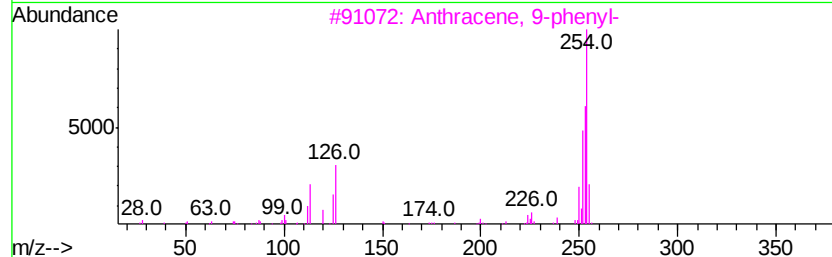
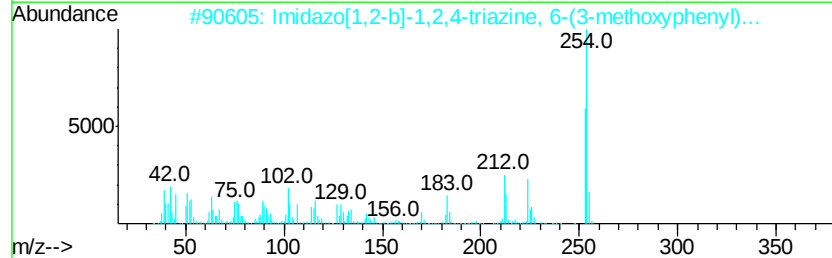
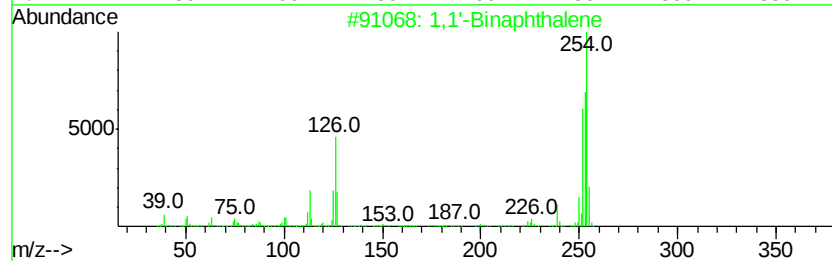
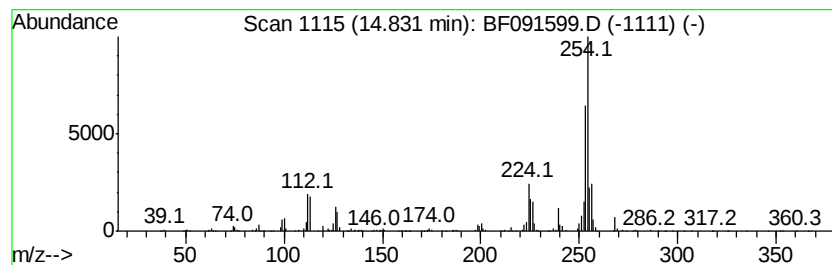
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.83	5.53 ng	4121800	Perylene-d12	15.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	58
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	52
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
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Acq On : 14 Dec 2016 22:08
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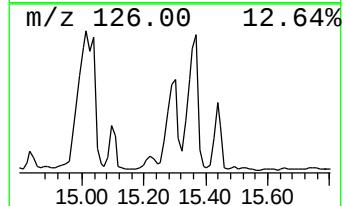
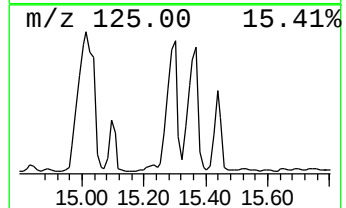
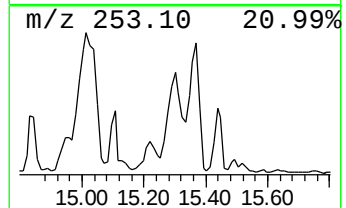
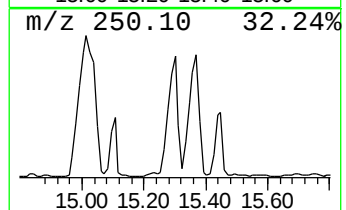
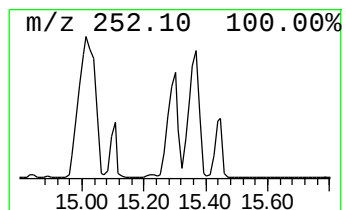
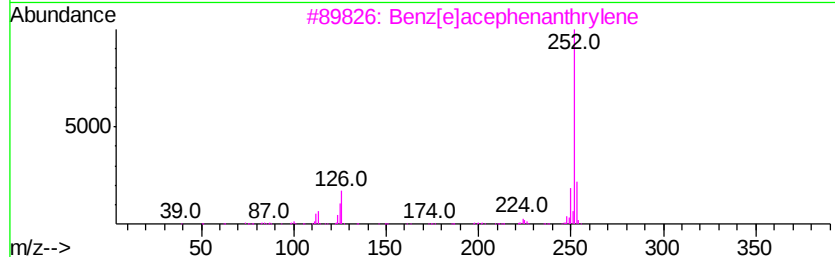
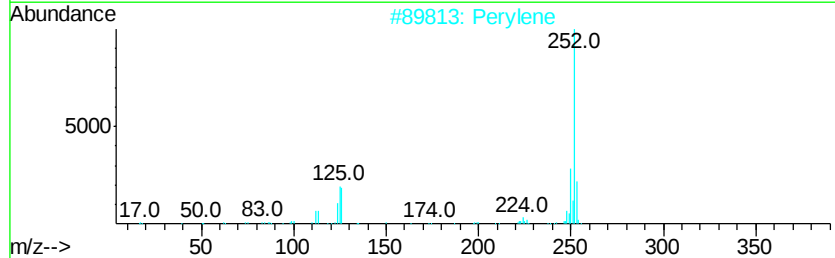
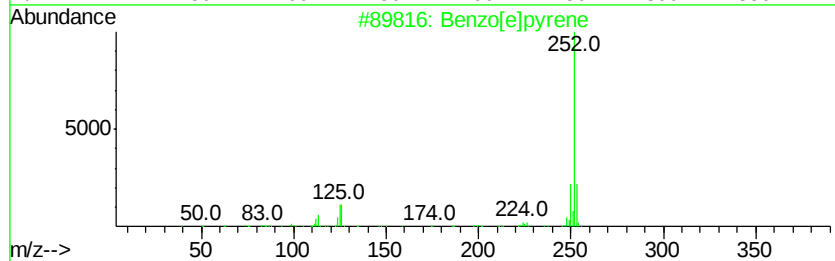
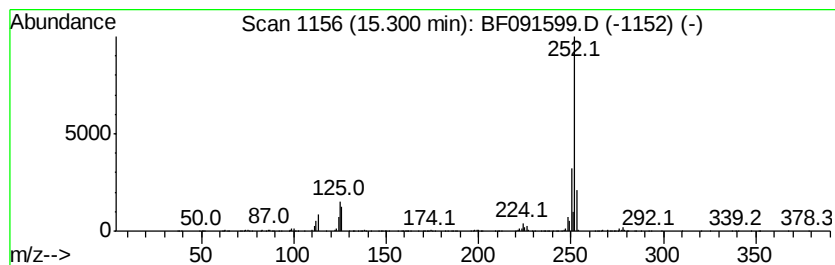
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	17.15 ng	12777000	Perylene-d12	15.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 94
2		Perylene	252 C20H12	000198-55-0 94
3		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 93
4		Benzo[a]pyrene	252 C20H12	000050-32-8 93
5		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091599.D
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ClientSampleId :
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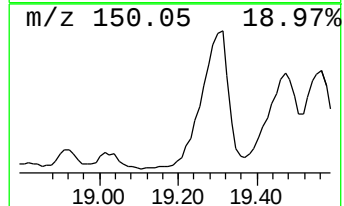
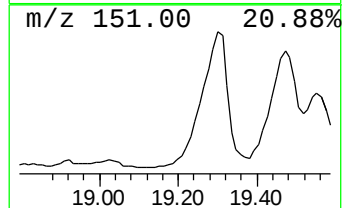
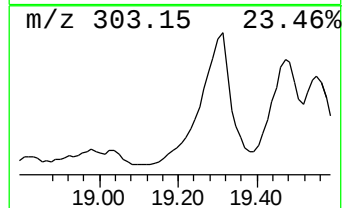
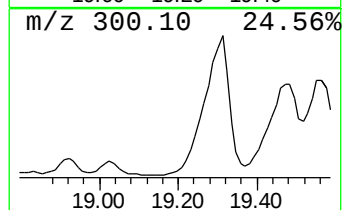
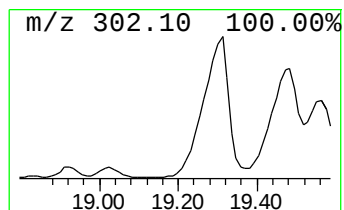
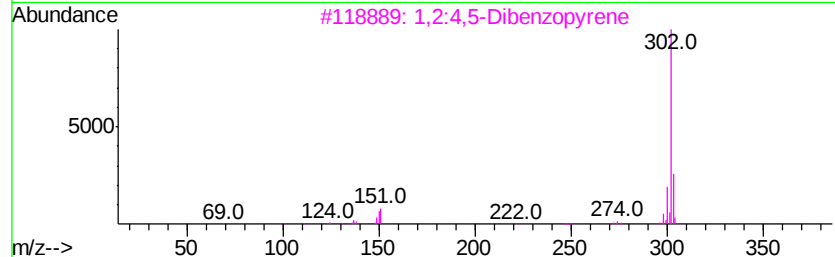
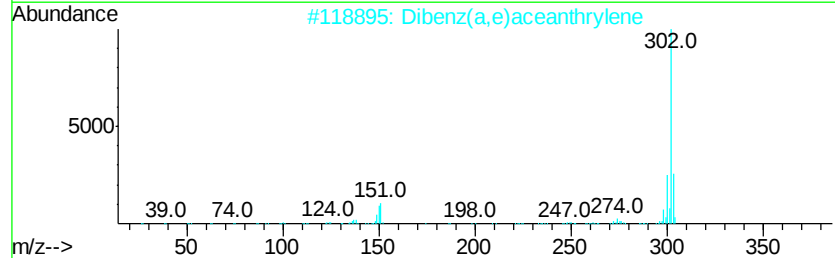
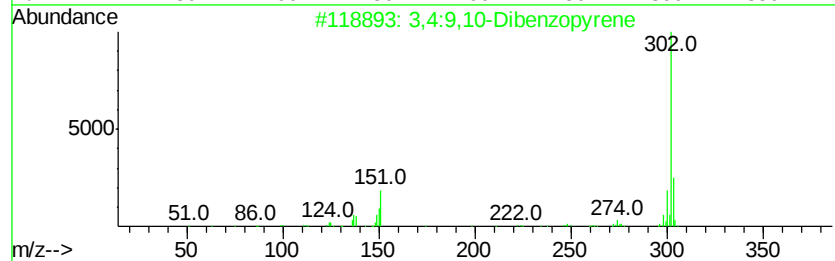
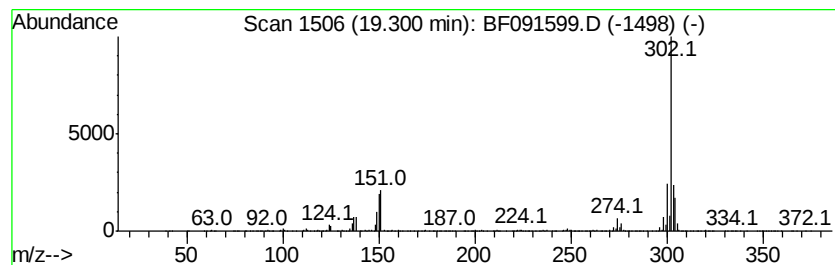
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	6.69 ng	4987970	Perylene-d12	15.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
5			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
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 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.97	31.8	ng	2759730	1	6.80	1737950	20.0
unknown6.57	6.57	83.6	ng	7264620	1	6.80	1737950	20.0
Phenanthrene, 2-m...	11.83	7.5	ng	4660460	4	11.31	12350600	20.0
Phenanthrene, 1-m...	11.93	16.4	ng	10109400	4	11.31	12350600	20.0
2-Phenylnaphthalene	12.11	7.8	ng	4838830	4	11.31	12350600	20.0
Phenanthrene, 2,5...	12.37	12.5	ng	7729850	4	11.31	12350600	20.0
Cyclopenta(def)ph...	12.47	6.5	ng	4030740	4	11.31	12350600	20.0
Pyrene, 1-methyl-	12.99	6.5	ng	7001010	5	13.99	21363600	20.0
11H-Benzo[a]fluor...	13.61	7.1	ng	7582960	5	13.99	21363600	20.0
Benzo[b]naphtho[2...	13.71	5.6	ng	5956320	5	13.99	21363600	20.0
Cyclopenta[cd]pyrene	13.77	5.6	ng	5968720	5	13.99	21363600	20.0
6-Chrysenol	14.13	5.5	ng	5838360	5	13.99	21363600	20.0
Chrysene, 2-methyl-	14.35	8.4	ng	9019650	5	13.99	21363600	20.0
1,1'-Binaphthalene	14.83	5.5	ng	4121800	6	15.40	14903500	20.0
Benzo[e]pyrene	15.30	17.1	ng	12777000	6	15.40	14903500	20.0
3,4:9,10-Dibenzop...	19.30	6.7	ng	4987970	6	15.40	14903500	20.0