

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078500.D
 Acq On : 14 Apr 2015 12:17
 Operator : TP/IZ
 Sample : G1850-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

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-BF040115.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	1.244	3	5	13	rVB	57854	112273	3.87%	0.516%
2	1.610	35	37	76	rVB	1351829	2898730	100.00%	13.312%
3	6.833	491	494	496	rBV	132611	182685	6.30%	0.839%
4	7.039	510	512	515	rBV	52904	63471	2.19%	0.291%
5	8.010	595	597	599	rVB	32499	33888	1.17%	0.156%
6	8.102	603	605	607	rVV2	30482	38098	1.31%	0.175%
7	8.148	607	609	617	rVB2	29657	56701	1.96%	0.260%
8	8.433	632	634	636	rVB	1190253	1038934	35.84%	4.771%
9	9.233	698	704	706	rVB4	24084	48520	1.67%	0.223%
10	9.291	706	709	711	rBV	375465	326605	11.27%	1.500%
11	9.405	717	719	722	rVB	265141	271012	9.35%	1.245%
12	9.873	756	760	761	rBV	43186	45590	1.57%	0.209%
13	9.988	768	770	774	rVB	39043	78345	2.70%	0.360%
14	10.068	774	777	779	rBV	29030	50802	1.75%	0.233%
15	10.159	782	785	786	rBV	48502	62176	2.14%	0.286%
16	10.182	786	787	791	rVV	16053	39213	1.35%	0.180%
17	10.262	793	794	796	rVV	33859	55742	1.92%	0.256%
18	10.296	796	797	801	rVB	58904	73473	2.53%	0.337%
19	10.388	803	805	808	rVB2	109055	129434	4.47%	0.594%
20	10.559	818	820	822	rBV	274650	339713	11.72%	1.560%
21	10.605	822	824	826	rVV	909352	843832	29.11%	3.875%
22	10.708	831	833	836	rBV	35714	56349	1.94%	0.259%
23	10.765	836	838	841	rBV	60987	61522	2.12%	0.283%
24	10.822	841	843	846	rBV	148866	205030	7.07%	0.942%
25	10.959	853	855	857	rVV3	31653	57258	1.98%	0.263%
26	11.005	857	859	863	rVB2	26686	41446	1.43%	0.190%
27	11.074	863	865	868	rBV3	19932	52080	1.80%	0.239%
28	11.119	868	869	872	rVB	40947	44188	1.52%	0.203%
29	11.199	872	876	878	rBV3	37321	97312	3.36%	0.447%
30	11.234	878	879	882	rVB	219658	284509	9.81%	1.307%
31	11.302	882	885	888	rBV	74265	164197	5.66%	0.754%
32	11.348	888	889	890	rVV	63263	57968	2.00%	0.266%
33	11.371	890	891	893	rVV2	56837	87244	3.01%	0.401%
34	11.405	893	894	895	rVV	53274	41600	1.44%	0.191%

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35	11.462	895	899	901	rVV2	66008	109268	3.77%	0.502%
36	11.508	901	903	904	rVV	54860	52139	1.80%	0.239%
37	11.542	904	906	909	rVB2	24789	45421	1.57%	0.209%
38	11.794	924	928	930	rBV4	14429	34096	1.18%	0.157%
39	11.919	936	939	940	rVV	83283	130576	4.50%	0.600%
40	11.954	940	942	944	rVV	49622	73676	2.54%	0.338%
41	12.022	944	948	950	rVB2	47097	88431	3.05%	0.406%
42	12.102	952	955	957	rVV3	32281	64420	2.22%	0.296%
43	12.159	959	960	963	rVB2	29669	29692	1.02%	0.136%
44	12.228	963	966	967	rBV3	28193	52707	1.82%	0.242%
45	12.262	967	969	974	rVB	64562	116223	4.01%	0.534%
46	12.388	977	980	981	rBV	331206	357653	12.34%	1.642%
47	12.422	981	983	985	rVB	759080	1026669	35.42%	4.715%
48	12.479	985	988	991	rVB	484479	460225	15.88%	2.113%
49	12.548	991	994	995	rBV	41634	64907	2.24%	0.298%
50	12.697	1004	1007	1008	rBV	101080	113194	3.90%	0.520%
51	12.777	1011	1014	1017	rVV2	81201	117697	4.06%	0.540%
52	13.017	1033	1035	1036	rBV	260668	276853	9.55%	1.271%
53	13.051	1036	1038	1040	rVV	215458	254385	8.78%	1.168%
54	13.108	1040	1043	1044	rVV	121981	139716	4.82%	0.642%
55	13.142	1044	1046	1048	rVV	476125	563468	19.44%	2.588%
56	13.177	1048	1049	1051	rVB	158439	123889	4.27%	0.569%
57	13.394	1065	1068	1070	rBV	193483	230655	7.96%	1.059%
58	13.565	1081	1083	1086	rBV3	47044	93318	3.22%	0.429%
59	13.611	1086	1087	1088	rVV	49367	35476	1.22%	0.163%
60	13.702	1092	1095	1096	rBV	121303	196756	6.79%	0.904%
61	13.737	1096	1098	1099	rVV	107585	133290	4.60%	0.612%
62	13.805	1102	1104	1107	rVV	57320	101123	3.49%	0.464%
63	13.885	1108	1111	1113	rVV	942117	1139275	39.30%	5.232%
64	13.920	1113	1114	1117	rVV2	50134	75368	2.60%	0.346%
65	13.965	1117	1118	1119	rVV	54098	39412	1.36%	0.181%
66	14.000	1119	1121	1124	rVB	221956	267380	9.22%	1.228%
67	14.057	1124	1126	1127	rBV2	36113	41893	1.45%	0.192%
68	14.160	1132	1135	1137	rVV	1433909	1707367	58.90%	7.841%
69	14.217	1137	1140	1142	rVB3	52527	96308	3.32%	0.442%
70	14.445	1157	1160	1162	rBV	78529	137056	4.73%	0.629%
71	14.548	1166	1169	1170	rBV2	84821	169734	5.86%	0.779%

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72	14.571	1170	1171	1174	rVB	215387	210645	7.27%	0.967%
73	14.651	1176	1178	1180	rVB	139192	198259	6.84%	0.910%
74	14.697	1180	1182	1184	rBV	151459	177103	6.11%	0.813%
75	14.811	1190	1192	1193	rBV	95437	133316	4.60%	0.612%
76	14.845	1193	1195	1199	rVB	121239	163763	5.65%	0.752%
77	15.371	1239	1241	1244	rVB2	99916	191520	6.61%	0.880%
78	15.645	1262	1265	1267	rBV2	626541	1092691	37.70%	5.018%
79	15.771	1274	1276	1278	rBV2	67582	96285	3.32%	0.442%
80	16.960	1377	1380	1385	rBV	286524	626237	21.60%	2.876%
81	17.074	1388	1390	1392	rVB	104588	130666	4.51%	0.600%
82	17.280	1405	1408	1411	rBV	235885	308295	10.64%	1.416%
83	17.337	1411	1413	1417	rVV	363569	656925	22.66%	3.017%
84	17.406	1417	1419	1424	rVB2	283624	446971	15.42%	2.053%
85	18.674	1528	1530	1534	rVB2	154274	247899	8.55%	1.138%
86	19.017	1558	1560	1565	rVB	161570	295503	10.19%	1.357%

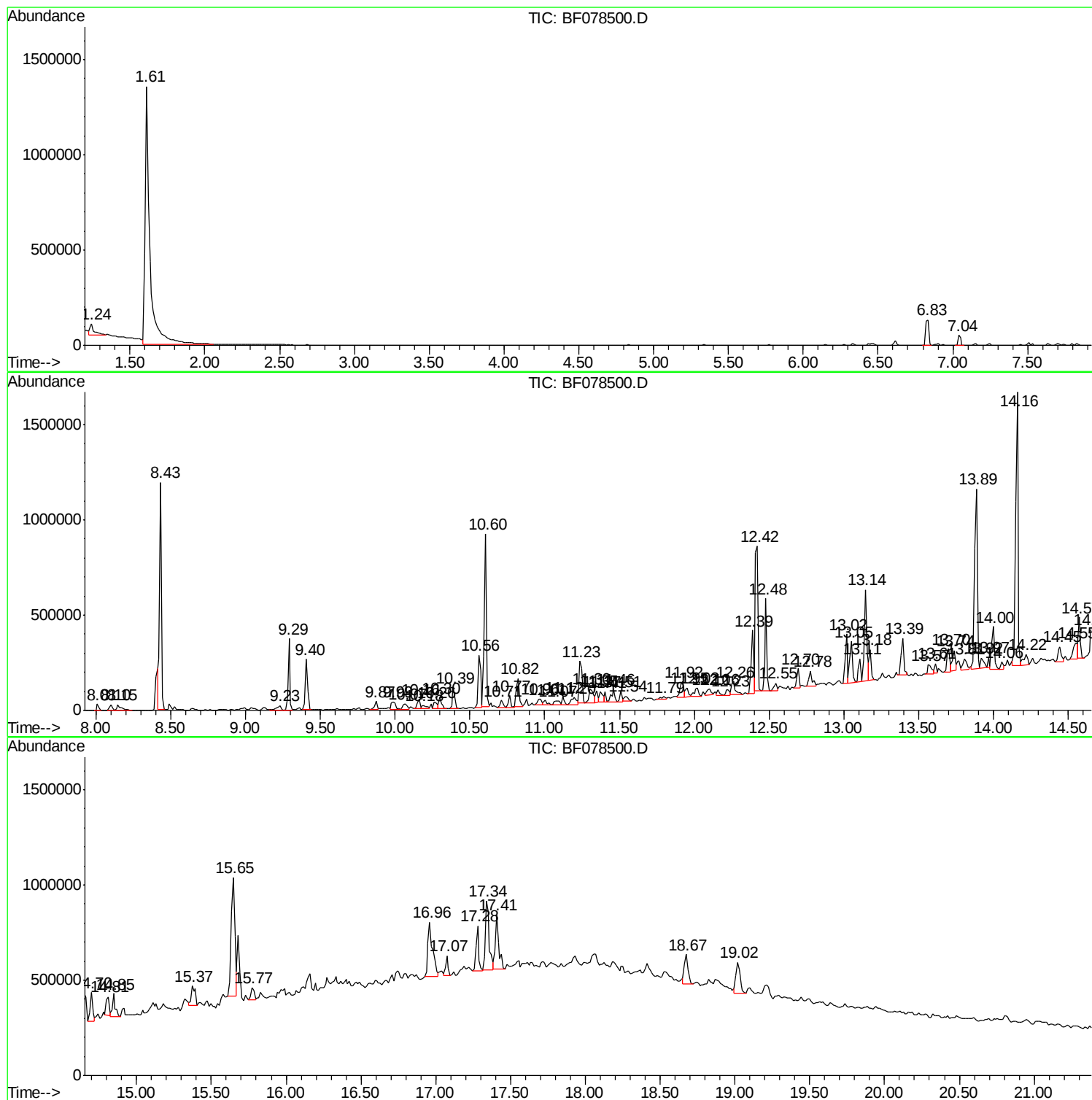
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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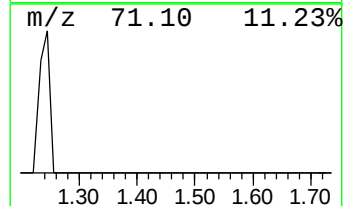
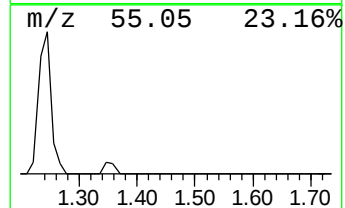
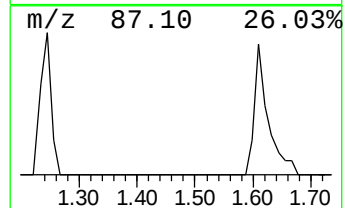
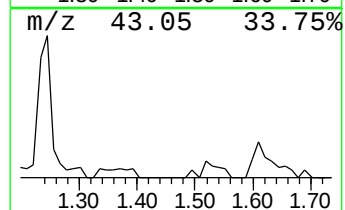
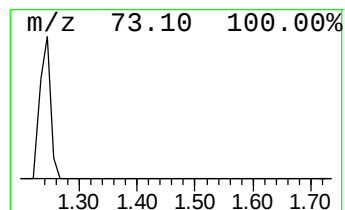
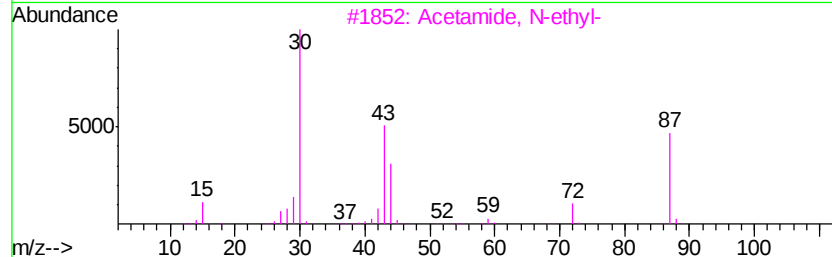
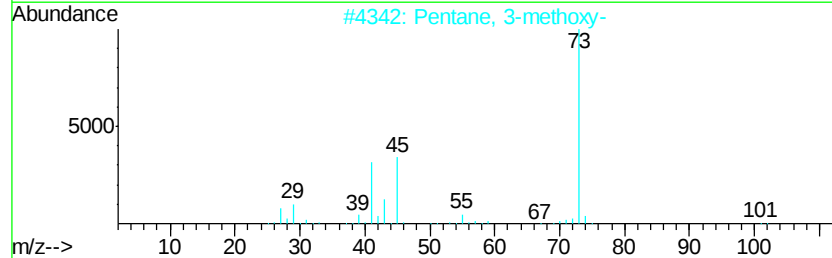
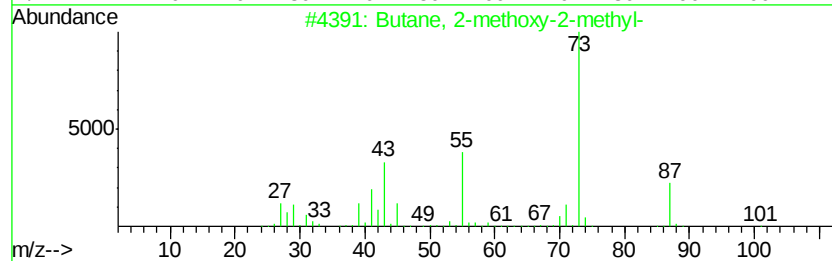
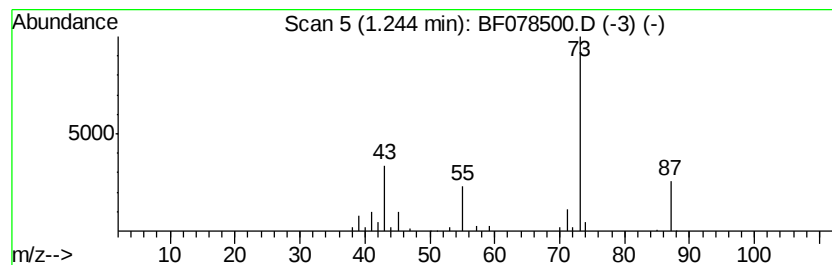
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.24	12.29 ng	112273	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9



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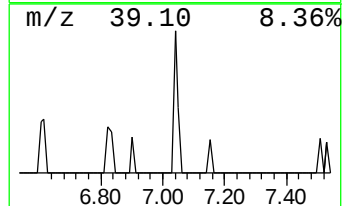
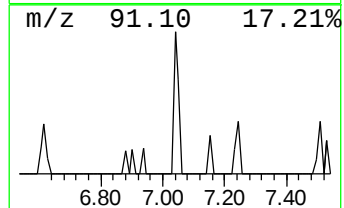
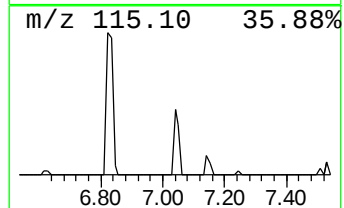
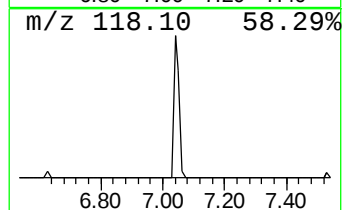
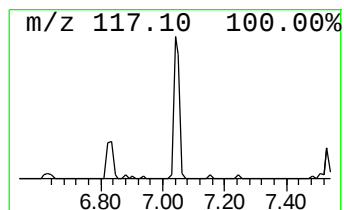
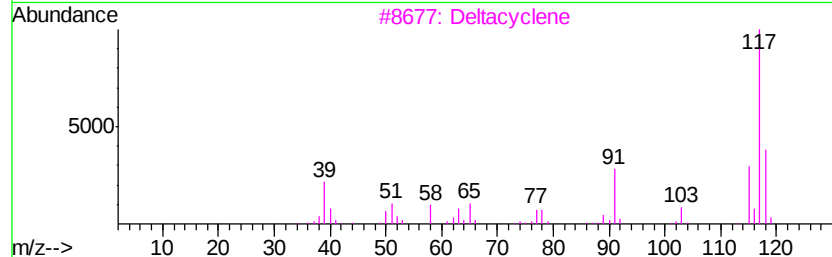
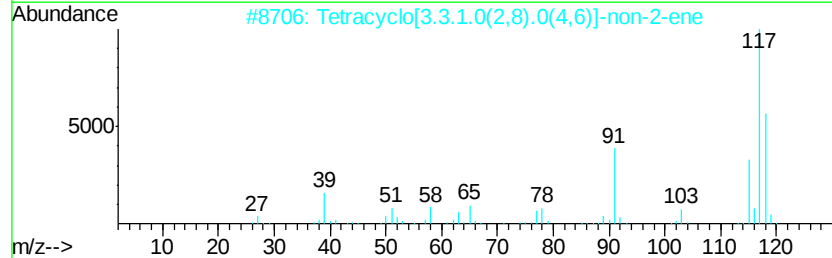
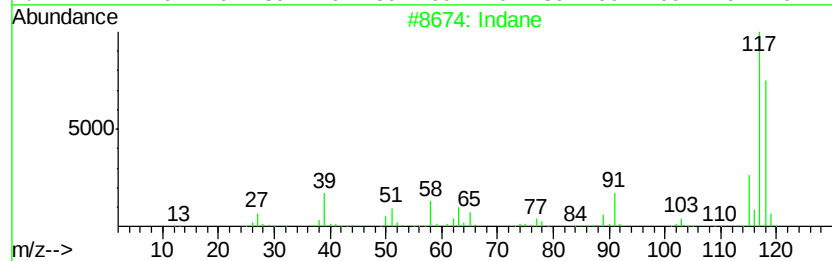
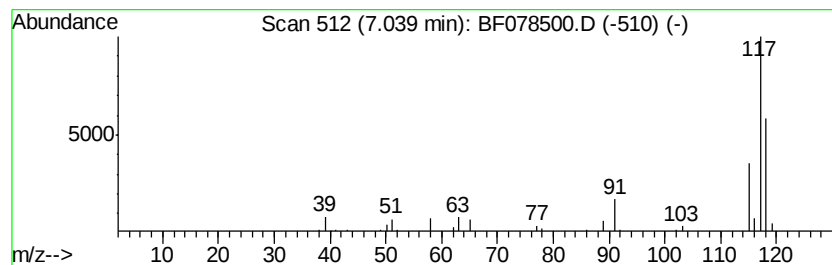
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	6.95 ng	63471	1,4-Dichlorobenzene-d4	6.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	87
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...		118	C9H10	1000191-13-7	80
3	Deltacyclene		118	C9H10	007785-10-6	72
4	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	60
5	trans-Cinnamyl bromide		196	C9H9Br	026146-77-0	53



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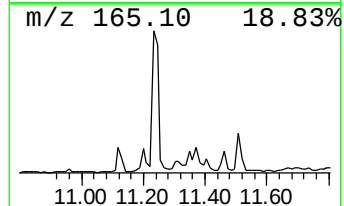
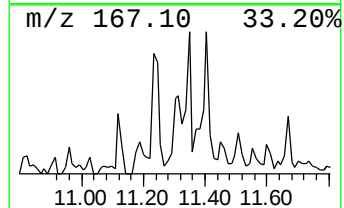
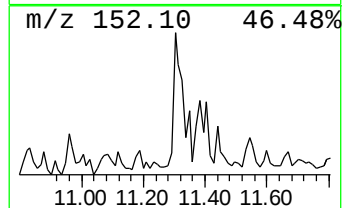
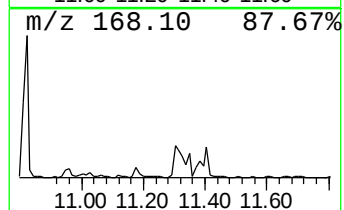
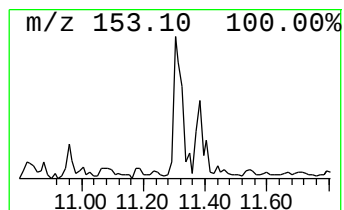
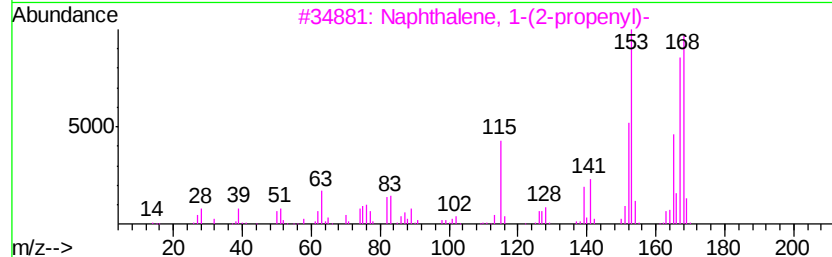
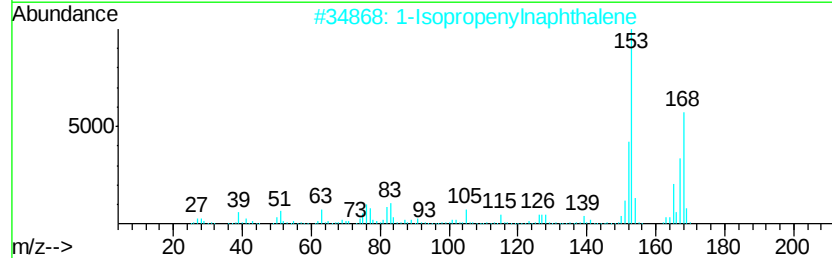
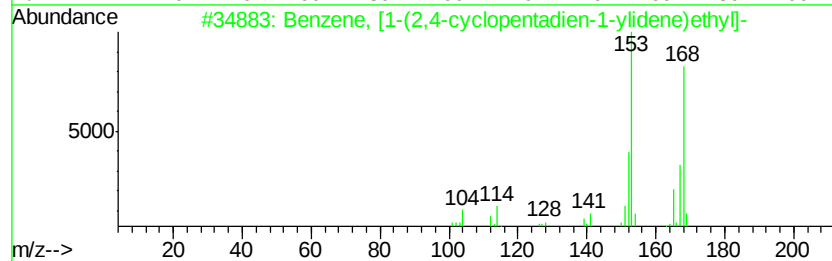
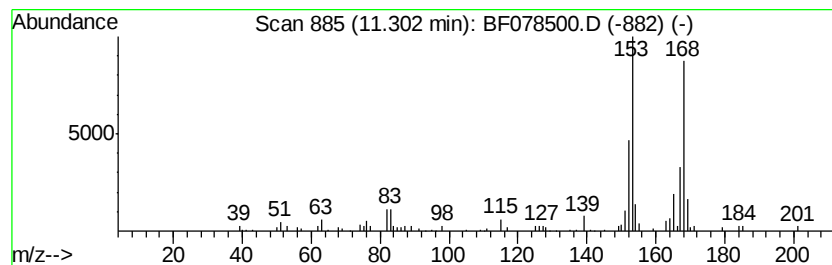
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, [1-(2,4-cyclopenta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	9.67 ng	164197	Acenaphthene-d10	10.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
5		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50



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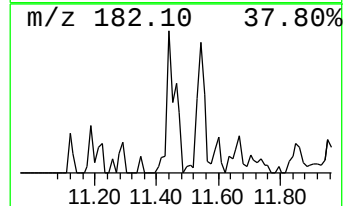
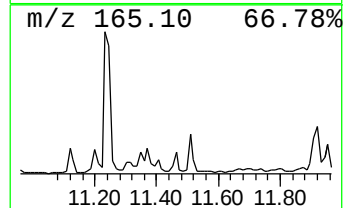
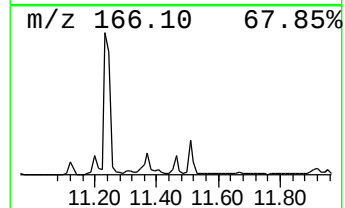
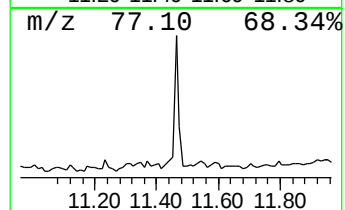
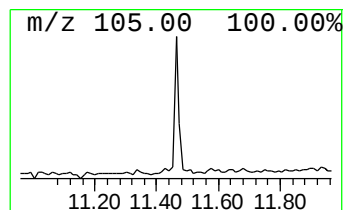
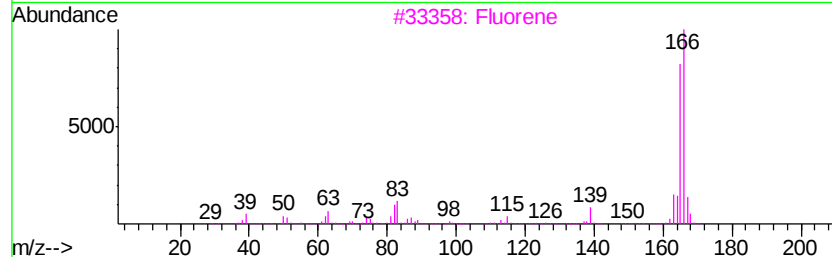
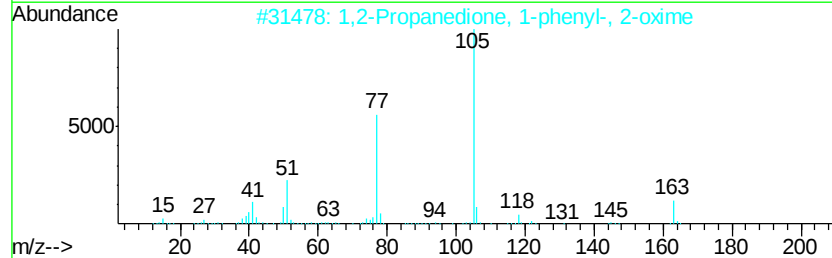
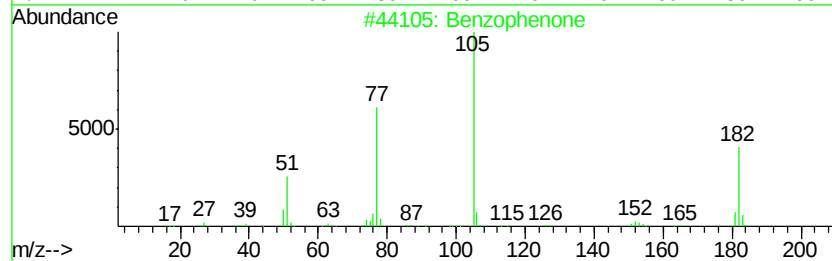
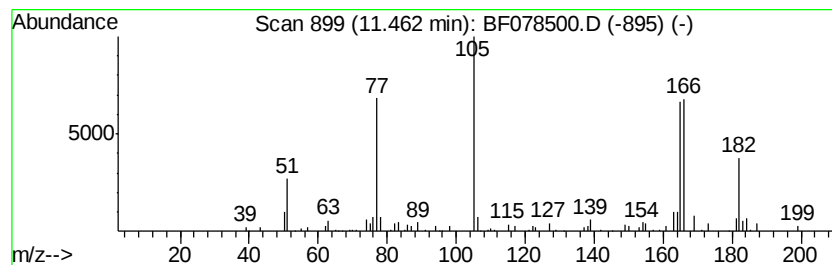
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	6.43 ng	109268	Acenaphthene-d10	10.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	83
2		1,2-Propanedione, 1-phenyl-, 2-o...	163	C9H9NO2	000119-51-7	38
3		Fluorene	166	C13H10	000086-73-7	38
4		1-Benzoyl-1,2,3,6-tetrahydropyri...	187	C12H13NO	071785-91-6	30
5		2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078500.D
Acq On : 14 Apr 2015 12:17
Operator : TP/IZ
Sample : G1850-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FD-1-20150409

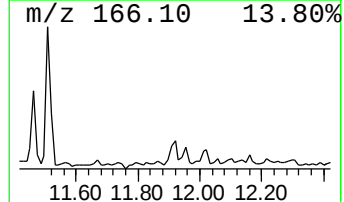
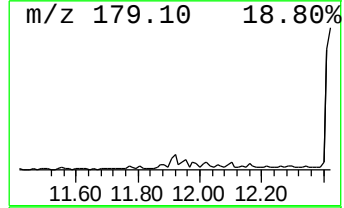
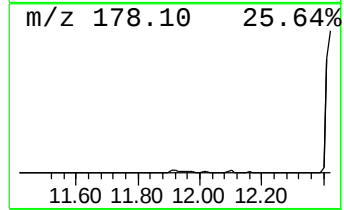
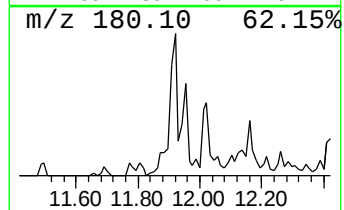
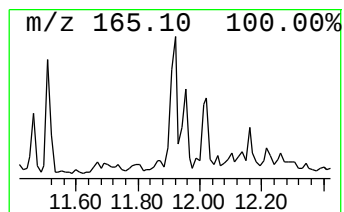
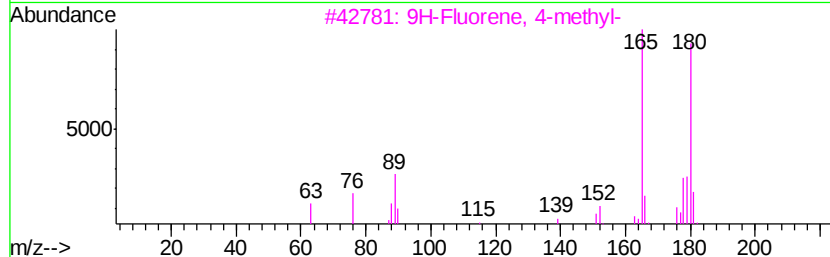
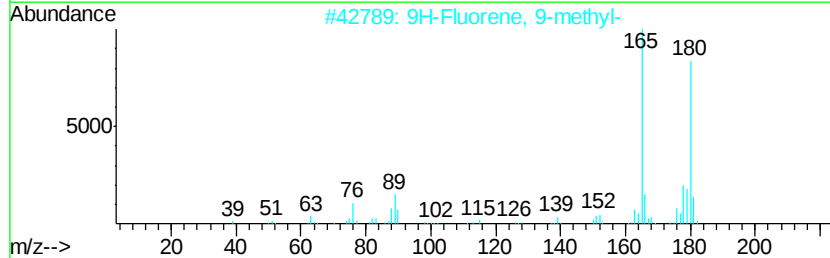
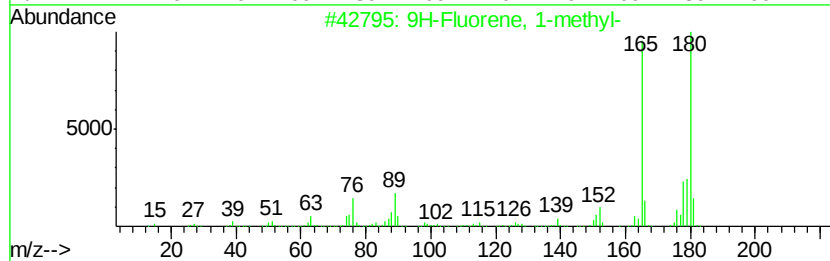
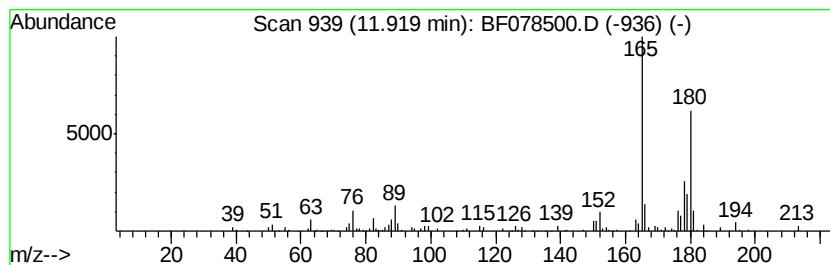
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.30 ng	130576	Phenanthrene-d10	12.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
4			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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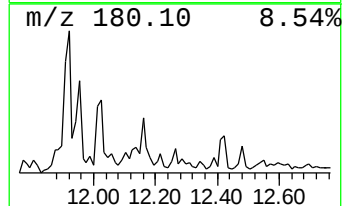
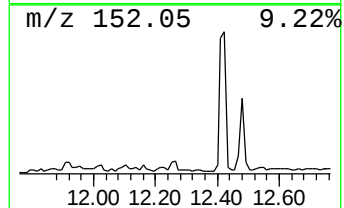
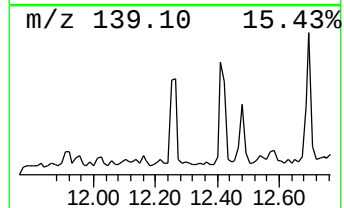
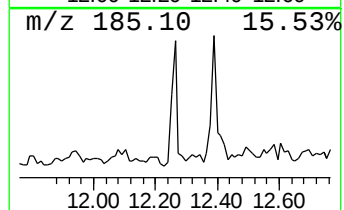
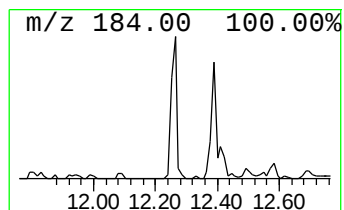
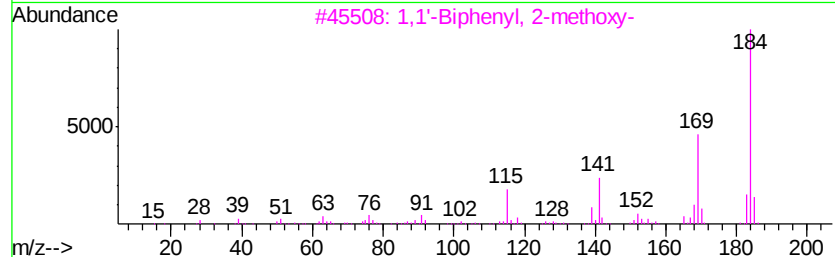
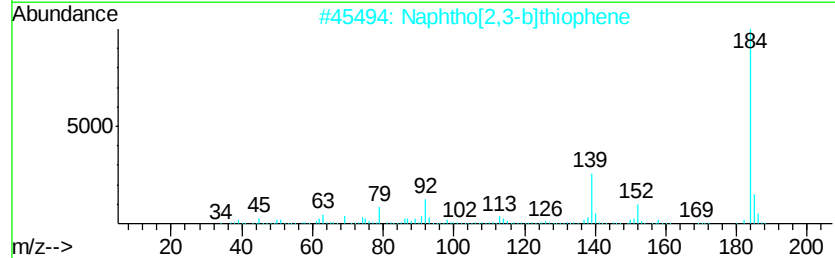
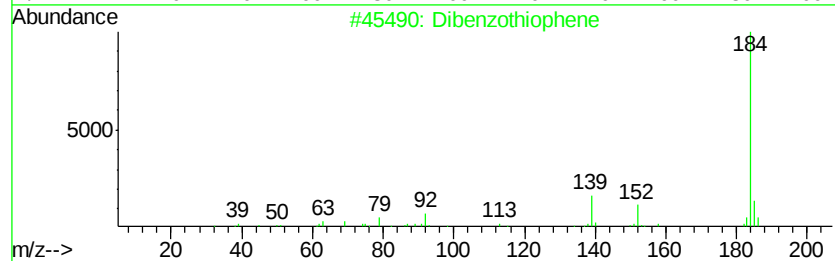
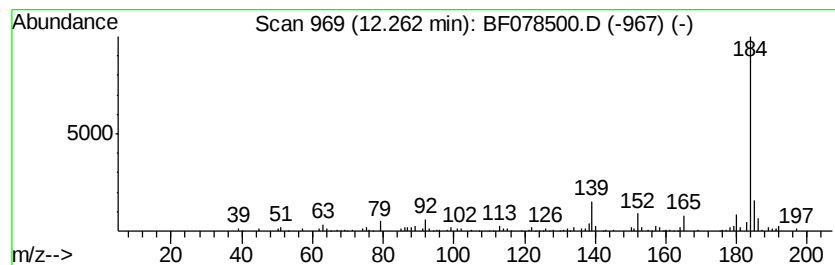
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.26	6.50 ng	116223	Phenanthrene-d10	12.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	93
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
3		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	72
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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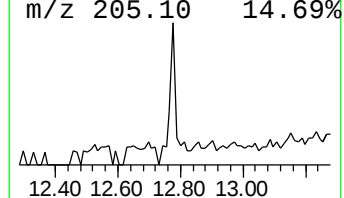
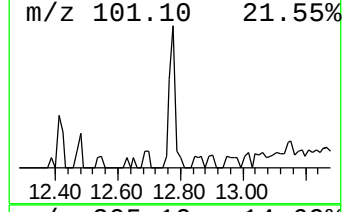
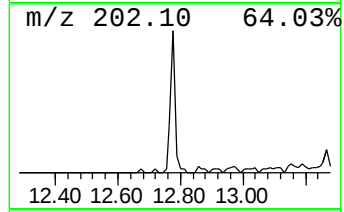
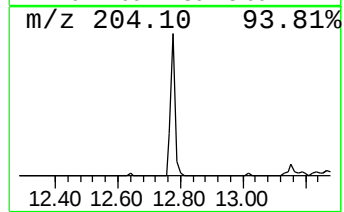
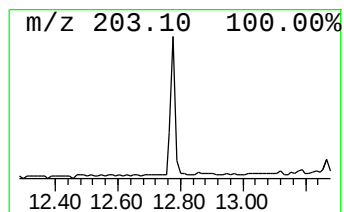
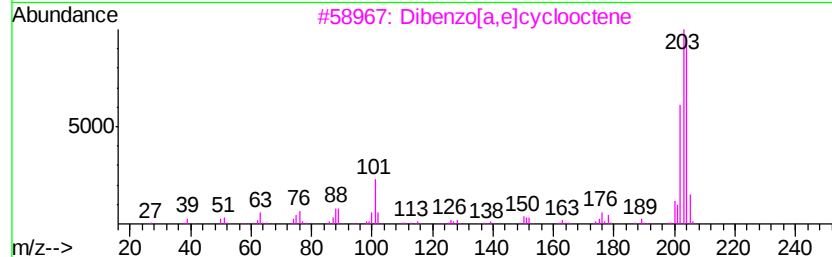
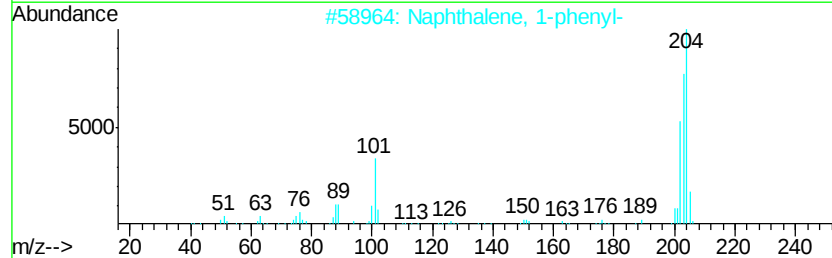
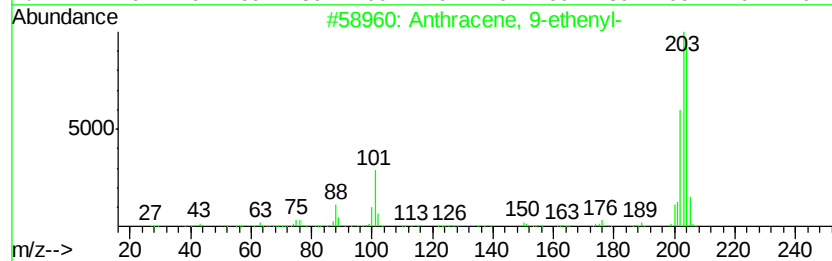
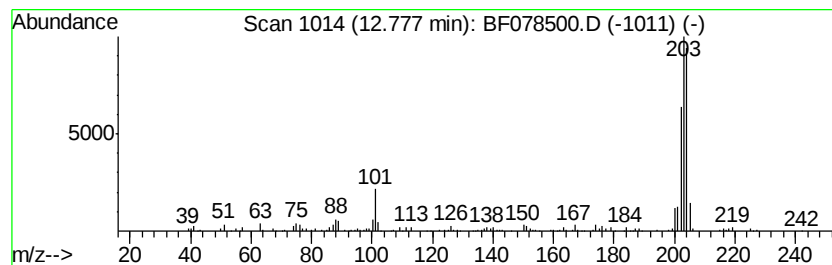
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 9-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	6.58 ng	117697	Phenanthrene-d10	12.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3		Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
4		Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	76
5		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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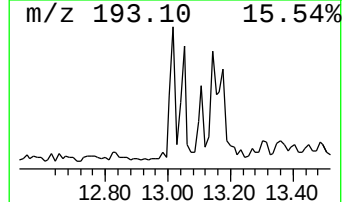
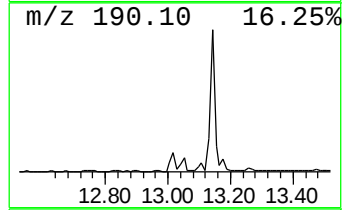
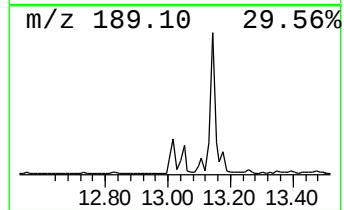
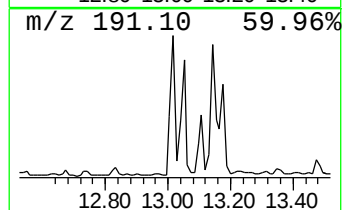
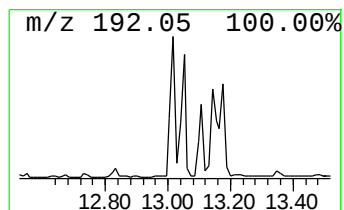
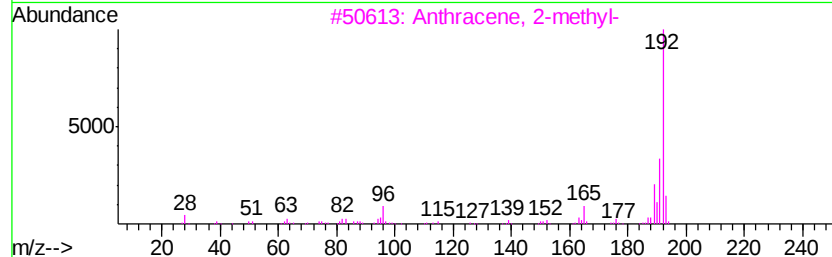
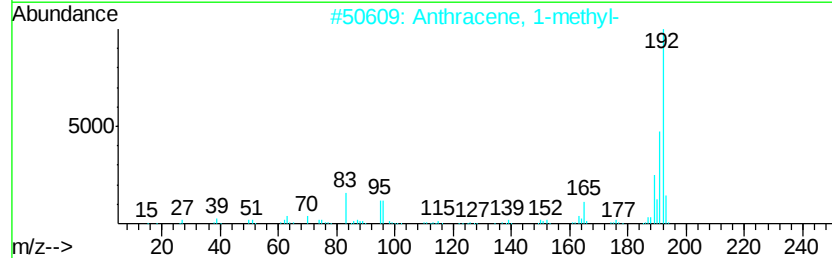
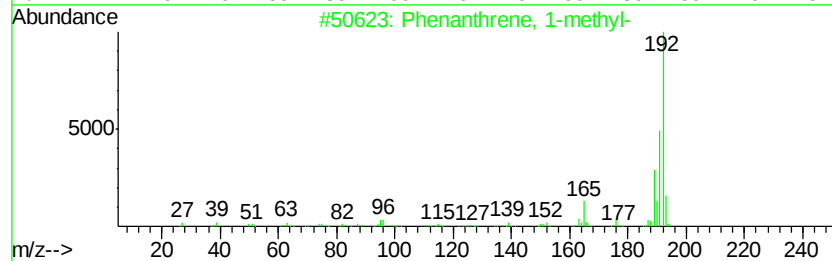
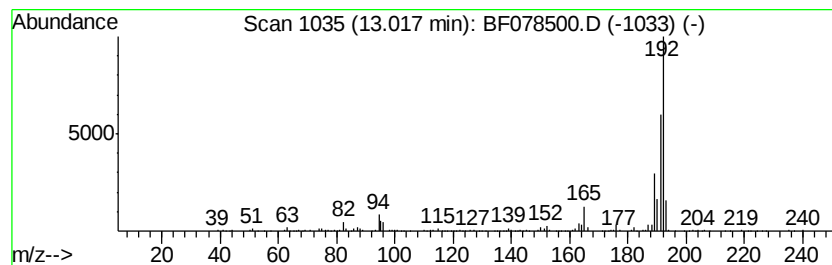
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.02	15.48 ng	276853	Phenanthrene-d10	12.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94	
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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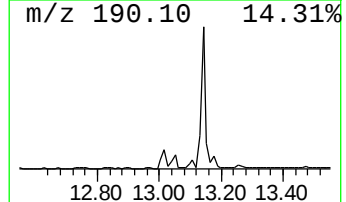
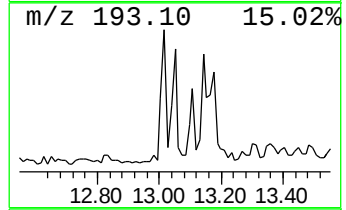
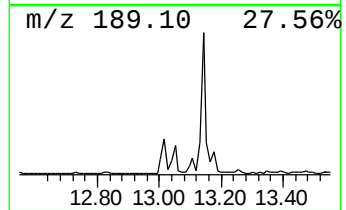
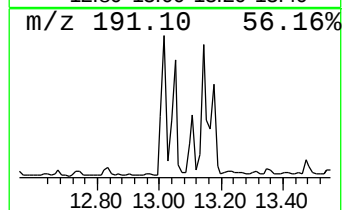
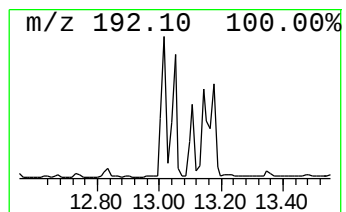
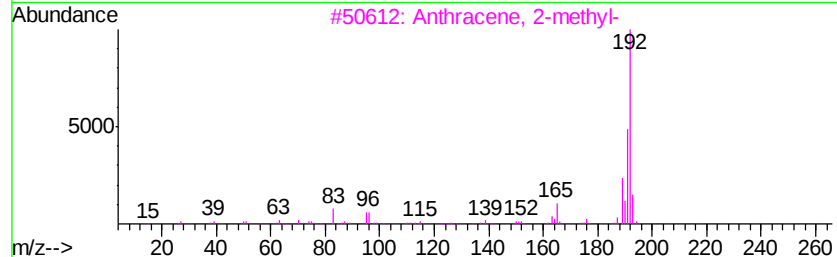
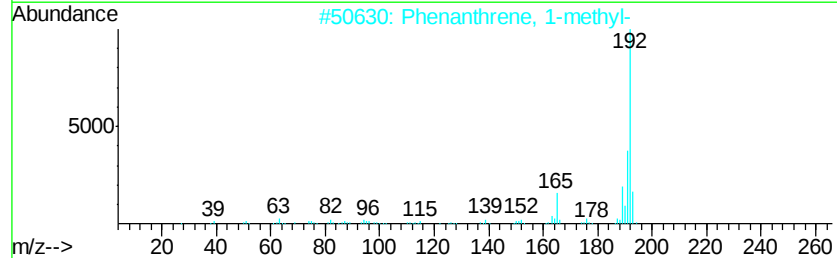
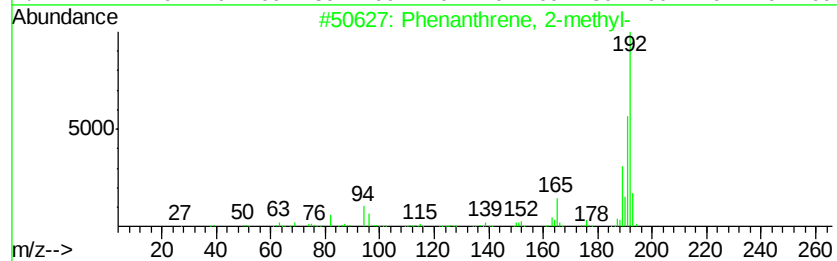
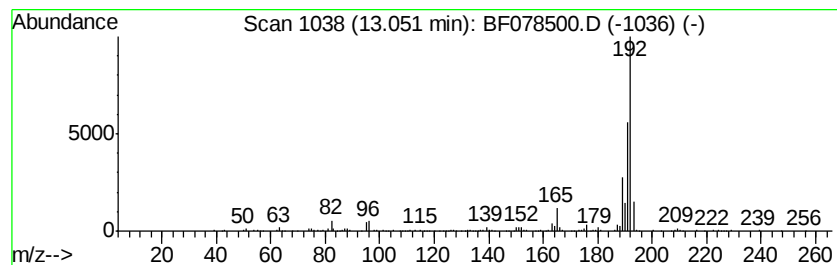
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.05	14.23 ng	254385	Phenanthrene-d10	12.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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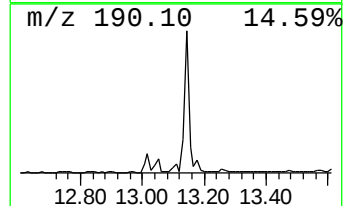
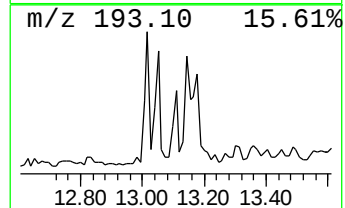
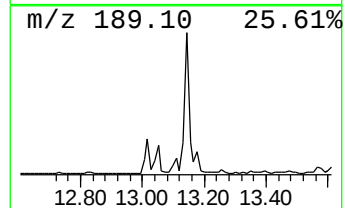
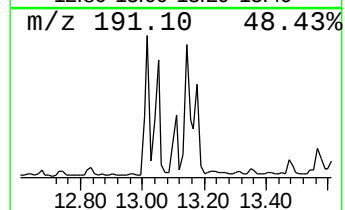
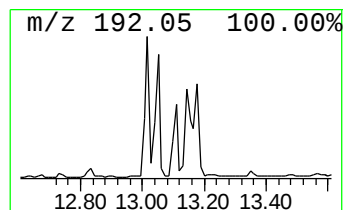
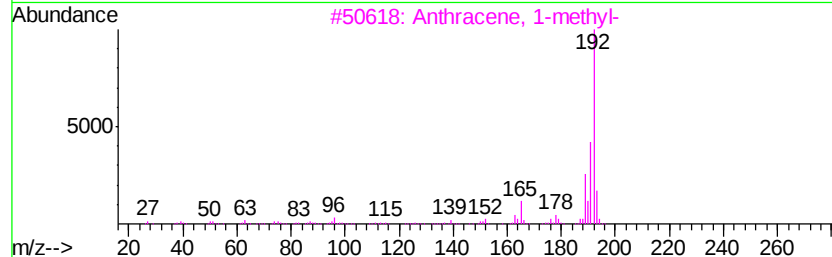
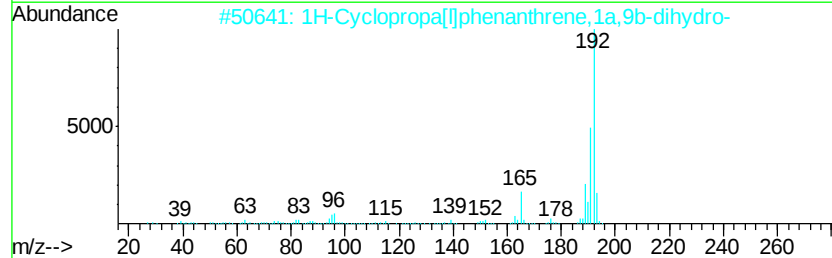
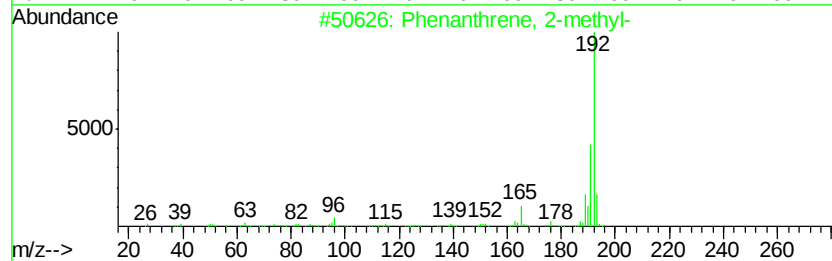
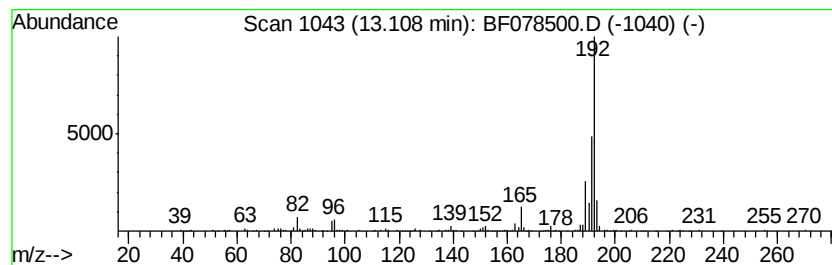
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	7.81 ng	139716	Phenanthrene-d10	12.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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Sample : G1850-03
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ALS Vial : 39 Sample Multiplier: 1

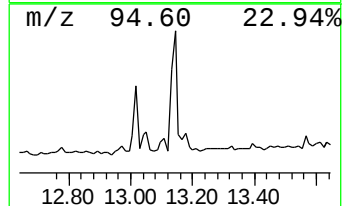
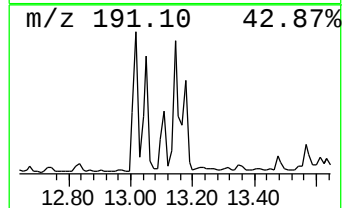
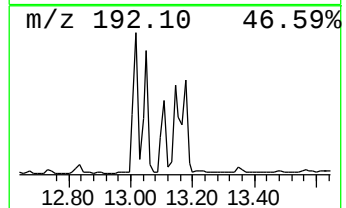
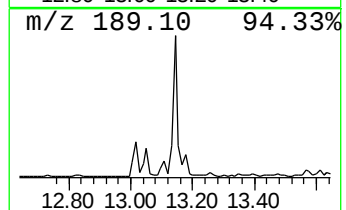
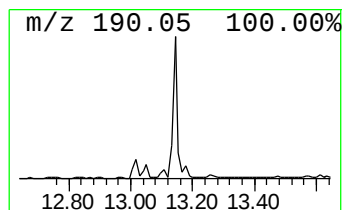
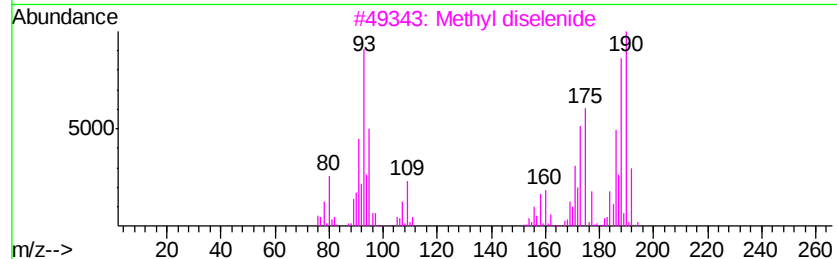
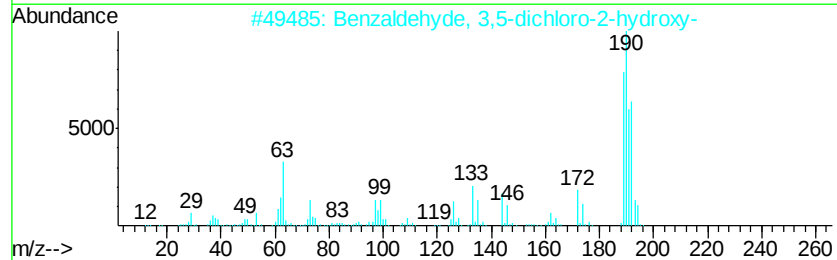
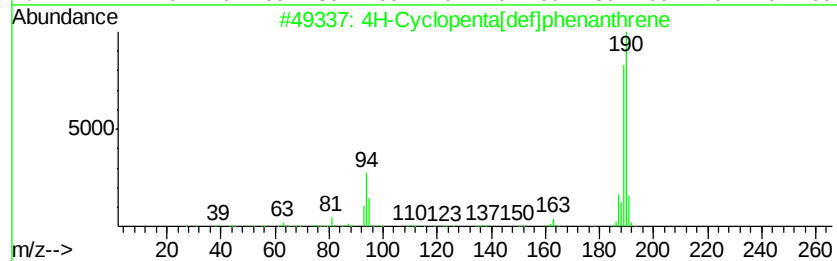
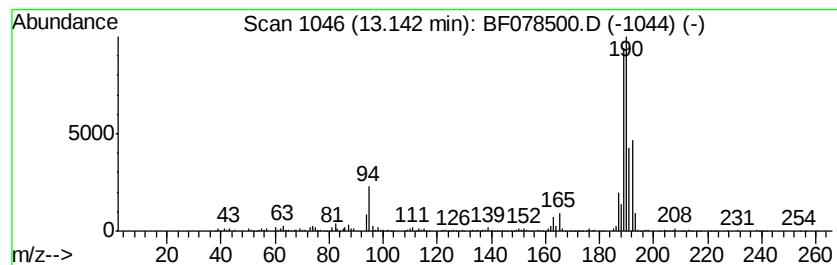
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ClientSampleId :
FD-1-20150409

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.14	31.51 ng	563468	Phenanthrene-d10		12.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		Methyl diselenide	190	C2H6Se2	007101-31-7	41
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078500.D
Acq On : 14 Apr 2015 12:17
Operator : TP/IZ
Sample : G1850-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

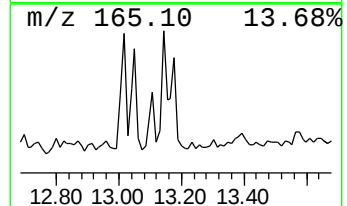
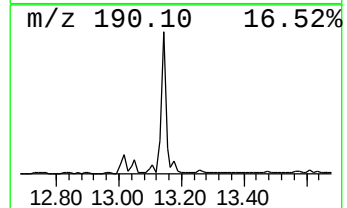
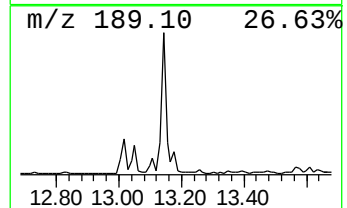
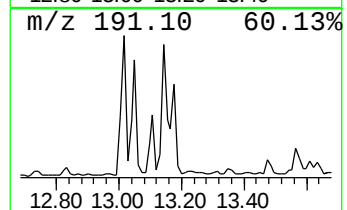
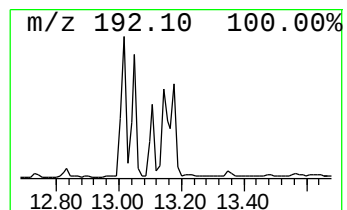
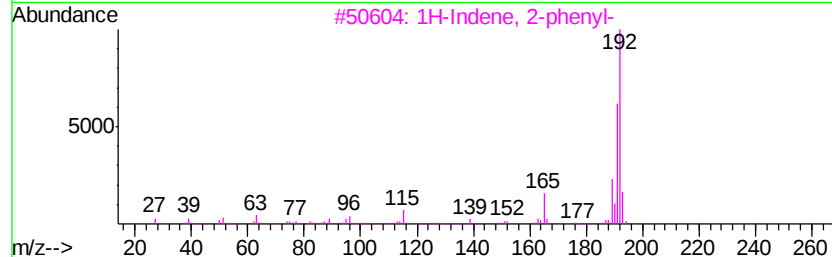
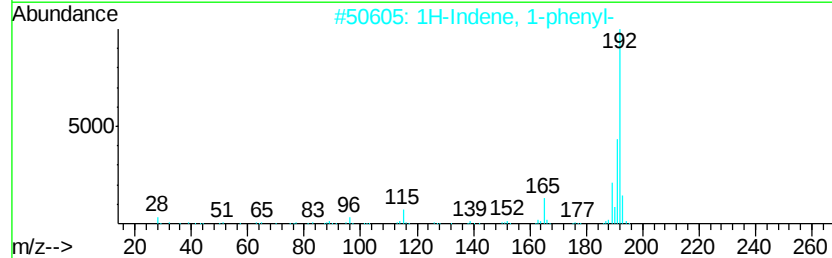
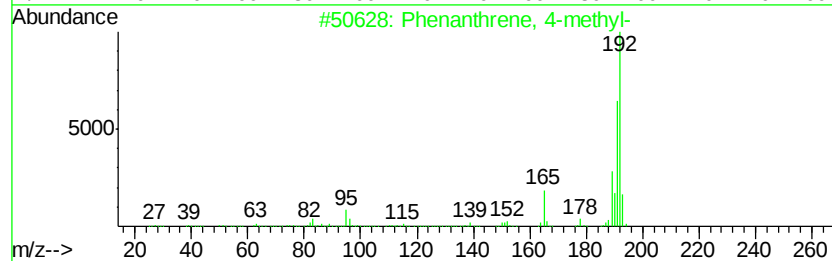
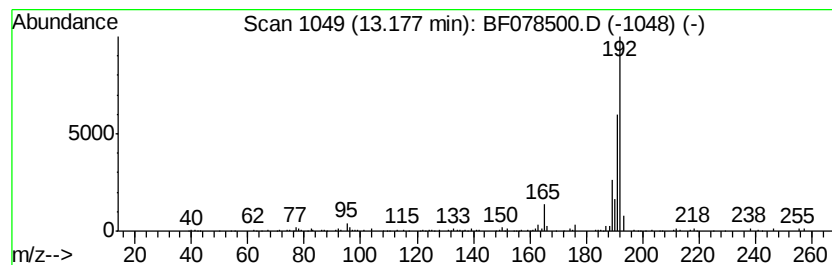
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	6.93 ng	123889	Phenanthrene-d10	12.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
2			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	74
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
5			1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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Acq On : 14 Apr 2015 12:17
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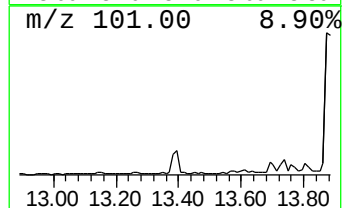
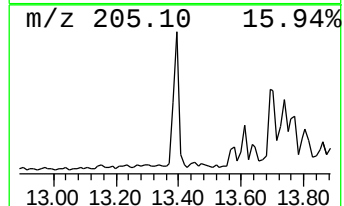
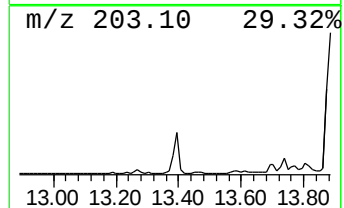
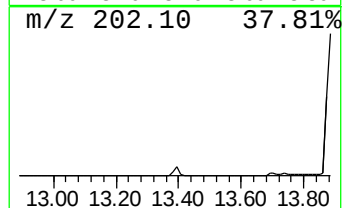
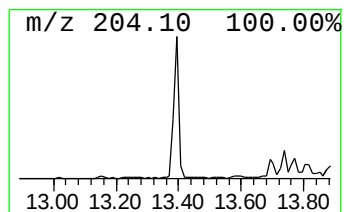
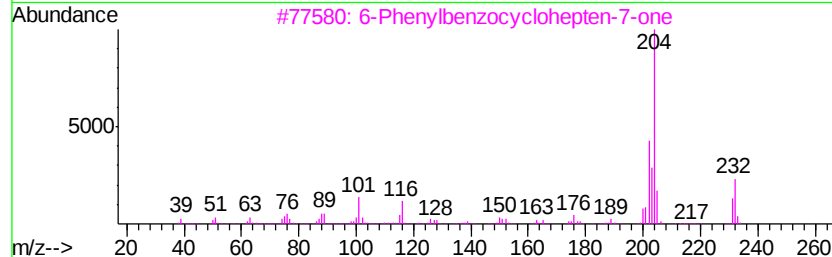
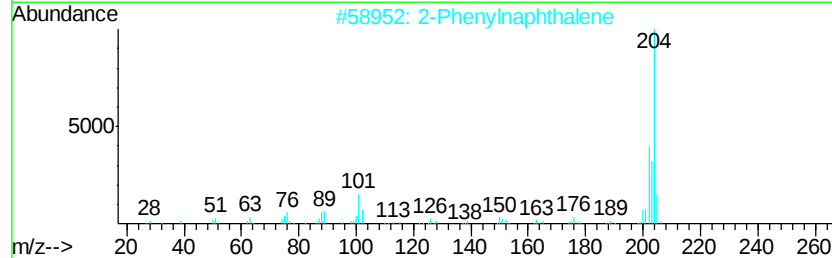
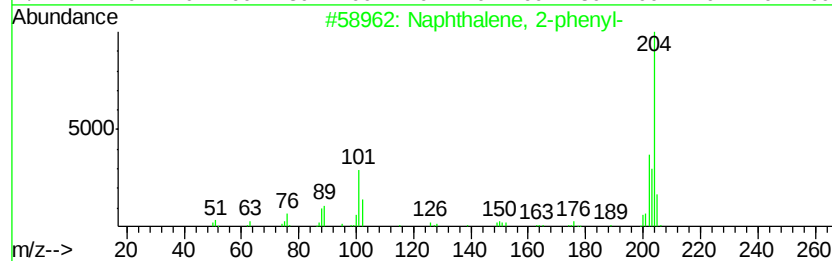
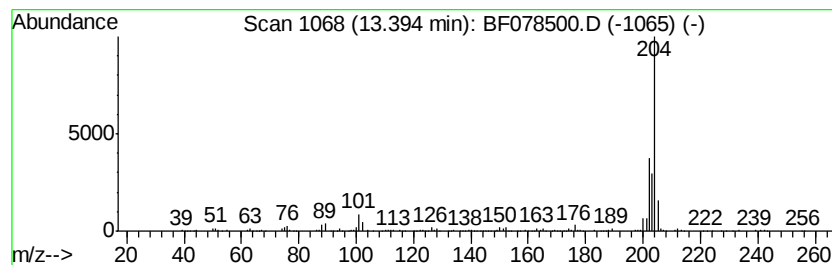
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.39	12.90 ng	230655	Phenanthrene-d10		12.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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Acq On : 14 Apr 2015 12:17
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Sample : G1850-03
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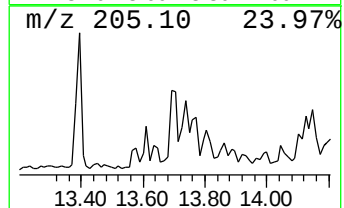
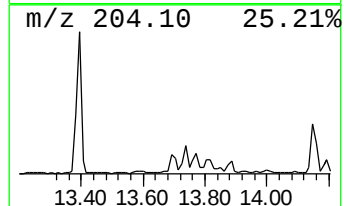
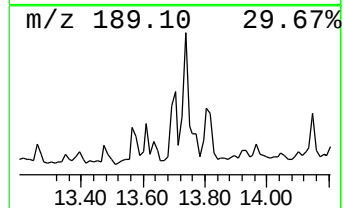
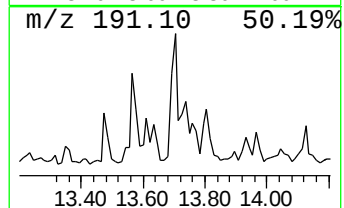
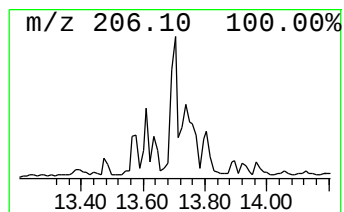
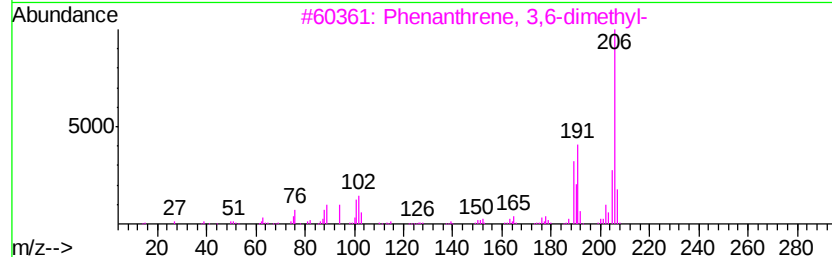
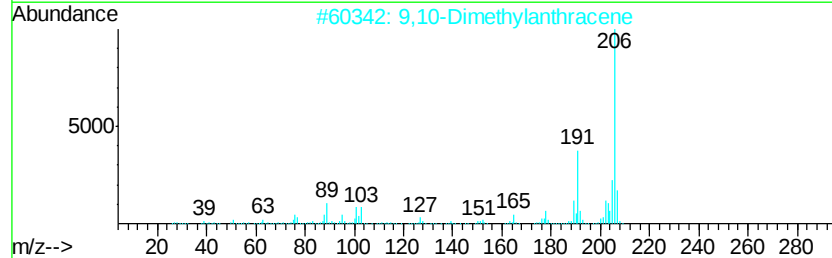
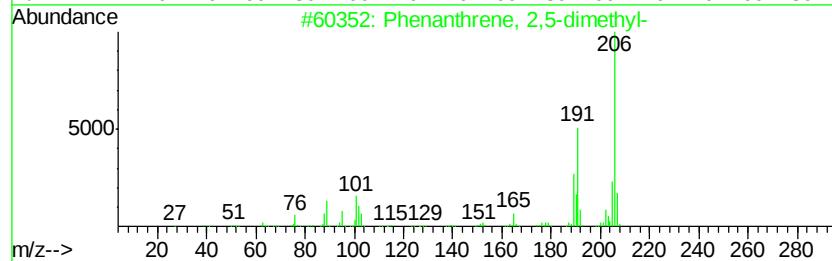
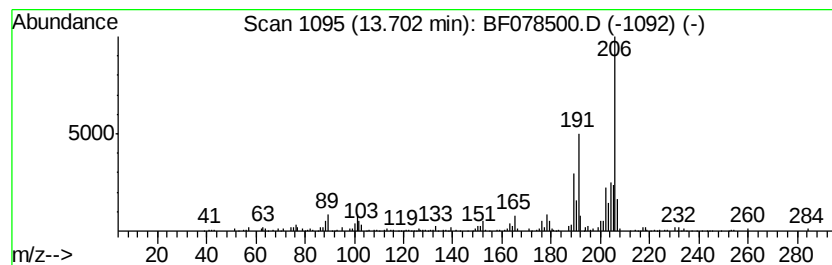
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.70	11.00 ng	196756	Phenanthrene-d10	12.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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Acq On : 14 Apr 2015 12:17
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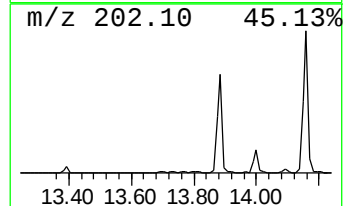
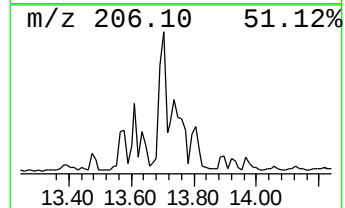
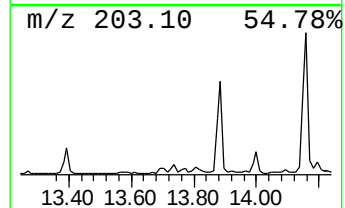
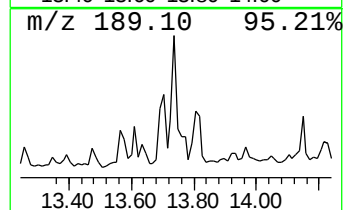
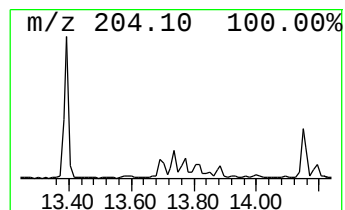
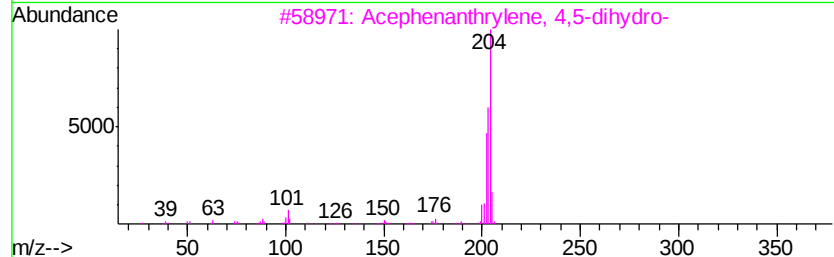
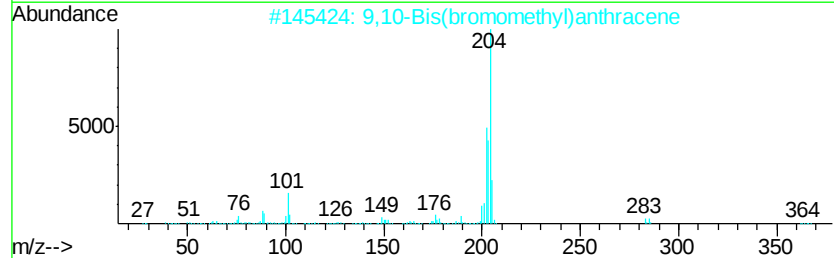
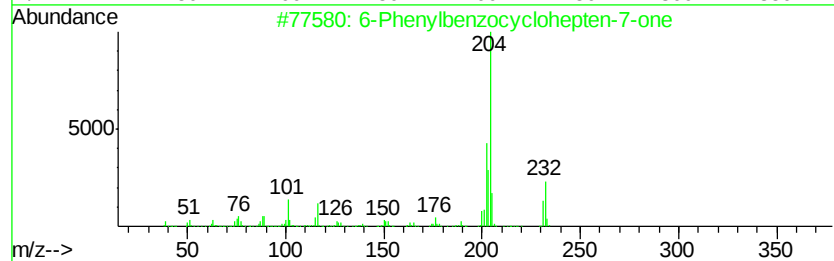
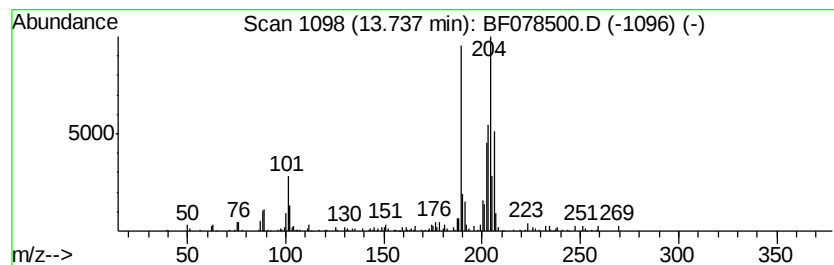
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 6-Phenylbenzocyclohepten-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	7.45 ng	133290	Phenanthrene-d10	12.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
4		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078500.D
Acq On : 14 Apr 2015 12:17
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ClientSampleId :
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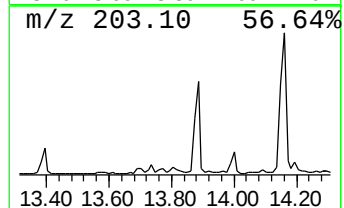
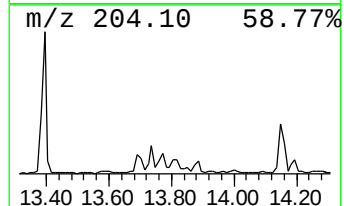
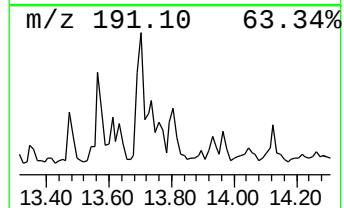
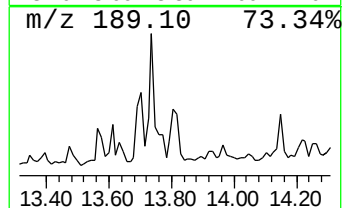
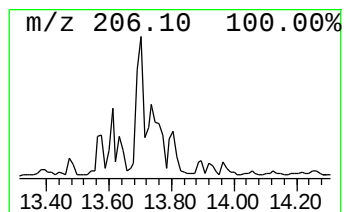
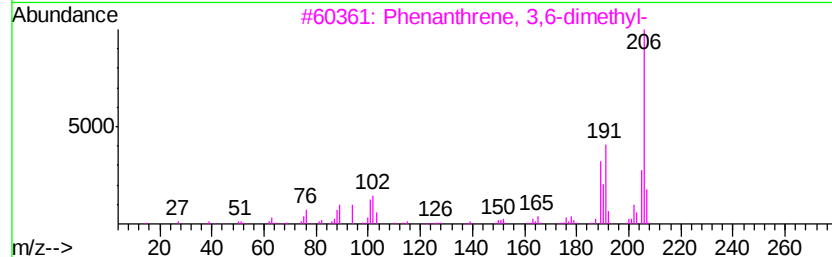
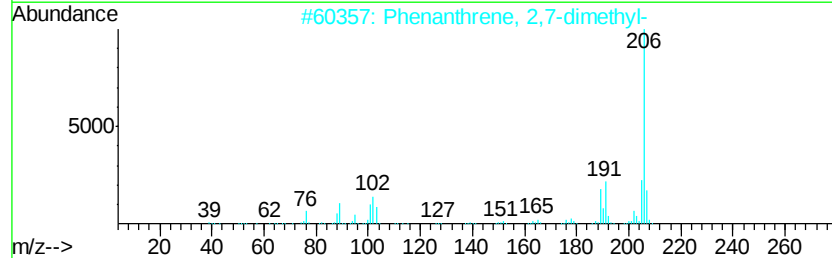
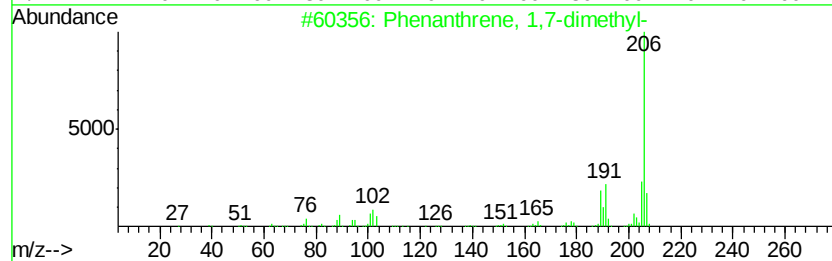
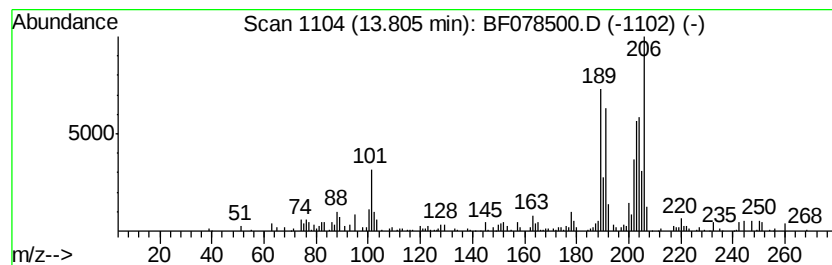
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	5.65 ng	101123	Phenanthrene-d10	12.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	62
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
4		3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	46
5		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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ALS Vial : 39 Sample Multiplier: 1

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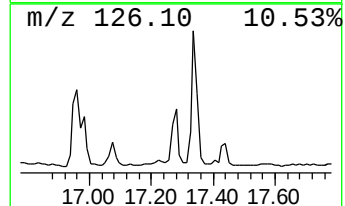
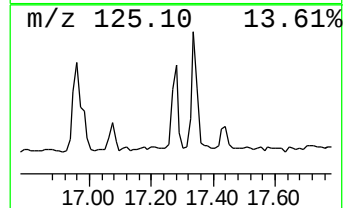
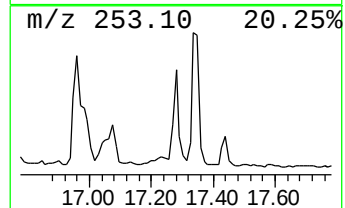
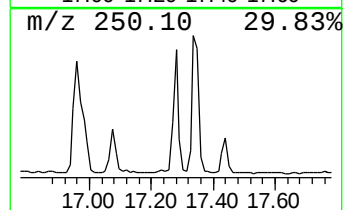
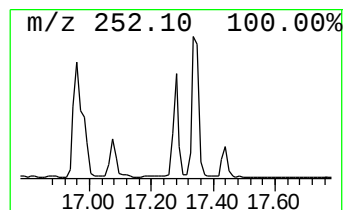
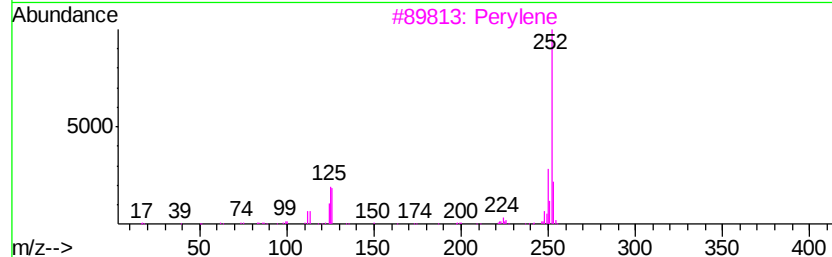
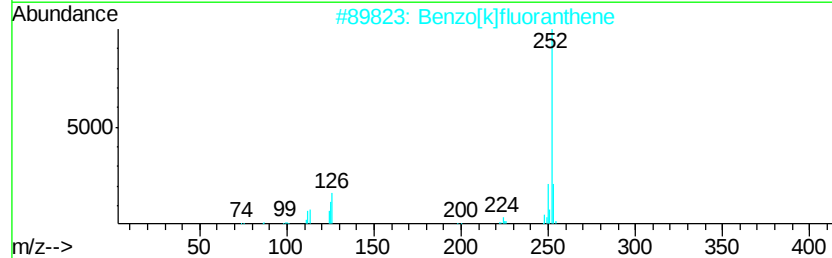
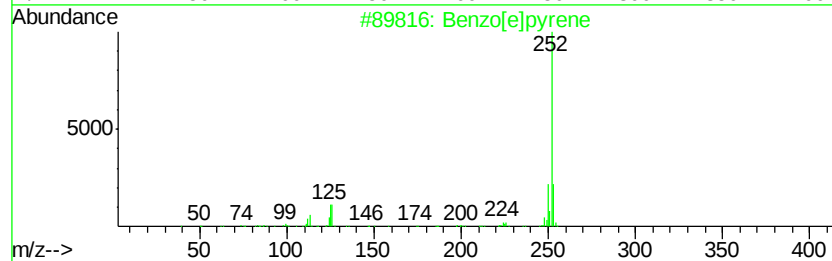
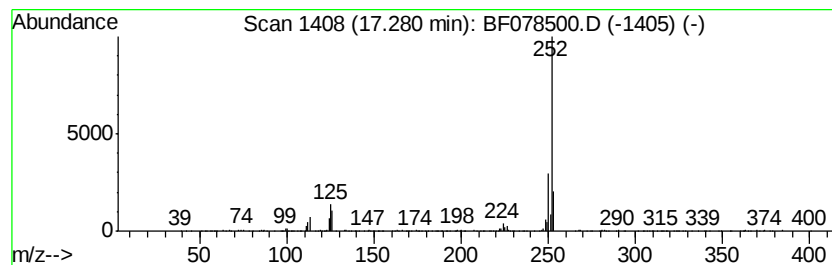
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	13.79 ng	308295	Perylene-d12	17.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[a]pyrene	252	C20H12	000050-32-8	96
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078500.D
 Acq On : 14 Apr 2015 12:17
 Operator : TP/IZ
 Sample : G1850-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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
Butane, 2-methoxy...	1.24	12.3	ng	112273	1	6.83	182685	20.0
Indane	7.04	7.0	ng	63471	1	6.83	182685	20.0
Benzene, [1-(2,4-...	11.30	9.7	ng	164197	3	10.56	339713	20.0
Benzophenone	11.46	6.4	ng	109268	3	10.56	339713	20.0
9H-Fluorene, 1-me...	11.92	7.3	ng	130576	4	12.39	357653	20.0
Dibenzothiophene	12.26	6.5	ng	116223	4	12.39	357653	20.0
Anthracene, 9-eth...	12.78	6.6	ng	117697	4	12.39	357653	20.0
Phenanthrene, 1-m...	13.02	15.5	ng	276853	4	12.39	357653	20.0
Phenanthrene, 2-m...	13.05	14.2	ng	254385	4	12.39	357653	20.0
1H-Cyclopropa[l]p...	13.11	7.8	ng	139716	4	12.39	357653	20.0
4H-Cyclopenta[def...	13.14	31.5	ng	563468	4	12.39	357653	20.0
Phenanthrene, 4-m...	13.18	6.9	ng	123889	4	12.39	357653	20.0
Naphthalene, 2-ph...	13.39	12.9	ng	230655	4	12.39	357653	20.0
Phenanthrene, 2,5...	13.70	11.0	ng	196756	4	12.39	357653	20.0
6-Phenylbenzocycl...	13.74	7.5	ng	133290	4	12.39	357653	20.0
Phenanthrene, 1,7...	13.81	5.7	ng	101123	4	12.39	357653	20.0
Benzo[e]pyrene	17.28	13.8	ng	308295	6	17.41	446971	20.0