

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088341.D
 Acq On : 24 Jun 2016 19:51
 Operator : UM/SJ
 Sample : H3599-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)

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-BF060716.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	1.713	10	11	50	rVB	1182752	2618591	81.40%	4.491%
2	4.719	272	274	285	rBV	68862	131475	4.09%	0.225%
3	5.176	312	314	323	rBV	1355550	1661878	51.66%	2.850%
4	6.250	405	408	415	rBV	1227623	1633712	50.78%	2.802%
5	6.353	415	417	426	rVB	1519203	1851187	57.54%	3.175%
6	6.582	435	437	441	rBV	404000	469497	14.59%	0.805%
7	6.742	449	451	453	rBV	1269380	1532083	47.62%	2.627%
8	7.165	485	488	490	rBV	830135	1142507	35.51%	1.959%
9	7.873	547	550	555	rBV2	558088	792263	24.63%	1.359%
10	8.582	610	612	615	rVB	99008	94086	2.92%	0.161%
11	8.685	618	621	627	rVB	67602	103549	3.22%	0.178%
12	8.948	641	644	647	rBV	1975928	2070486	64.36%	3.551%
13	9.348	677	679	682	rBV	349968	336934	10.47%	0.578%
14	9.473	688	690	693	rBV	453303	494792	15.38%	0.849%
15	9.611	700	702	704	rBV	579697	680638	21.16%	1.167%
16	9.816	718	720	722	rVB	90796	109625	3.41%	0.188%
17	9.862	722	724	728	rVB2	69187	104950	3.26%	0.180%
18	9.931	728	730	732	rBV2	89985	114268	3.55%	0.196%
19	10.022	736	738	740	rBV3	62237	113297	3.52%	0.194%
20	10.056	740	741	743	rVB2	81230	97873	3.04%	0.168%
21	10.159	748	750	754	rVB3	102028	151061	4.70%	0.259%
22	10.399	769	771	774	rBV2	737546	1141334	35.48%	1.957%
23	10.536	780	783	786	rVB	147620	257270	8.00%	0.441%
24	10.708	795	798	801	rBV3	76092	147028	4.57%	0.252%
25	10.856	807	811	814	rVB2	101232	199541	6.20%	0.342%
26	11.119	830	834	837	rBV2	862340	1602545	49.81%	2.748%
27	11.165	837	838	840	rVV	443974	464026	14.42%	0.796%
28	11.199	840	841	844	rVB2	71396	112122	3.49%	0.192%
29	11.348	850	854	856	rBV3	121305	289239	8.99%	0.496%
30	11.394	856	858	865	rVB4	91984	252047	7.83%	0.432%
31	11.588	873	875	877	rBV	220254	323215	10.05%	0.554%
32	11.622	877	878	880	rVV	358136	294540	9.16%	0.505%
33	11.668	880	882	883	rVV	191342	176121	5.47%	0.302%
34	11.702	883	885	890	rVB2	496102	825295	25.65%	1.415%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
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Filtering: 5
 Min Area: 3 % of largest Peak
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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-BF060716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.805	893	894	898	rVB3	92941	119558	3.72%	0.205%
36	11.885	898	901	903	rBV	213109	271927	8.45%	0.466%
37	11.919	903	904	906	rVB2	72809	94186	2.93%	0.162%
38	12.034	911	914	915	rBV2	116678	149554	4.65%	0.256%
39	12.068	915	917	918	rBV	129165	100725	3.13%	0.173%
40	12.137	921	923	925	rBV	364599	482153	14.99%	0.827%
41	12.171	925	926	930	rVB2	156567	333939	10.38%	0.573%
42	12.239	930	932	935	rVB	227934	351998	10.94%	0.604%
43	12.308	935	938	940	rBV	2326317	2733355	84.96%	4.687%
44	12.399	944	946	948	rVB	165830	189122	5.88%	0.324%
45	12.445	948	950	955	rBV3	140274	269291	8.37%	0.462%
46	12.537	955	958	960	rBV	1977595	3168626	98.50%	5.434%
47	12.582	961	962	964	rVB	189551	207963	6.46%	0.357%
48	12.674	966	970	974	rVB2	1371233	1817252	56.49%	3.116%
49	12.742	974	976	980	rBV3	336101	655367	20.37%	1.124%
50	12.857	982	986	988	rVB2	500849	933699	29.02%	1.601%
51	12.925	988	992	993	rBV	244975	391743	12.18%	0.672%
52	12.959	993	995	999	rVB	513581	622868	19.36%	1.068%
53	13.051	1001	1003	1004	rVB	278902	249219	7.75%	0.427%
54	13.085	1004	1006	1010	rVB3	230428	414690	12.89%	0.711%
55	13.154	1010	1012	1015	rVB4	59803	135660	4.22%	0.233%
56	13.234	1016	1019	1020	rBV3	81396	168812	5.25%	0.289%
57	13.257	1020	1021	1026	rVB2	119713	201125	6.25%	0.345%
58	13.371	1026	1031	1034	rBV	462698	615613	19.14%	1.056%
59	13.474	1037	1040	1043	rBV2	371818	860377	26.74%	1.475%
60	13.520	1043	1044	1048	rVB3	245876	373715	11.62%	0.641%
61	13.577	1048	1049	1052	rVB2	328829	461400	14.34%	0.791%
62	13.645	1052	1055	1058	rVB2	54292	105631	3.28%	0.181%
63	13.714	1058	1061	1063	rBV2	1369896	2709345	84.22%	4.646%
64	13.748	1063	1064	1068	rVB	1088394	1583835	49.23%	2.716%
65	13.828	1068	1071	1072	rBV2	146883	181229	5.63%	0.311%
66	13.874	1073	1075	1079	rBV3	196441	349115	10.85%	0.599%
67	14.114	1091	1096	1097	rBV	452822	847429	26.34%	1.453%
68	14.137	1097	1098	1100	rVV	138673	167215	5.20%	0.287%
69	14.228	1105	1106	1110	rVV2	276797	544318	16.92%	0.933%
70	14.297	1110	1112	1115	rVB3	118617	216554	6.73%	0.371%
71	14.434	1119	1124	1127	rBV2	211352	458173	14.24%	0.786%

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Integration Parameters: rteint.p
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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	14.514	1127	1131	1133	rVB2	117939	293053	9.11%	0.503%
73	14.560	1133	1135	1136	rBV2	82117	143067	4.45%	0.245%
74	14.583	1136	1137	1139	rVV	305014	298779	9.29%	0.512%
75	14.628	1139	1141	1143	rVB3	89166	116037	3.61%	0.199%
76	14.731	1147	1150	1154	rBV	1429659	3217042	100.00%	5.517%
77	14.811	1156	1157	1159	rVB	423899	435835	13.55%	0.747%
78	14.891	1162	1164	1166	rBV2	105027	210440	6.54%	0.361%
79	14.983	1169	1172	1175	rBV	852353	1134625	35.27%	1.946%
80	15.040	1175	1177	1180	rVV	1018000	1382989	42.99%	2.372%
81	15.085	1180	1181	1182	rVV	306035	316739	9.85%	0.543%
82	15.120	1182	1184	1187	rVB2	277906	446510	13.88%	0.766%
83	15.234	1192	1194	1196	rBV	86465	134565	4.18%	0.231%
84	15.280	1196	1198	1202	rVB2	88509	138841	4.32%	0.238%
85	15.360	1202	1205	1206	rBV	58281	97073	3.02%	0.166%
86	15.463	1211	1214	1216	rBV	79575	168668	5.24%	0.289%
87	15.565	1221	1223	1227	rVB2	92124	160628	4.99%	0.275%
88	16.023	1261	1263	1265	rVV	66278	124762	3.88%	0.214%
89	16.068	1265	1267	1270	rVV2	78249	135950	4.23%	0.233%
90	16.160	1273	1275	1277	rVV2	96607	185108	5.75%	0.317%
91	16.251	1281	1283	1287	rVV2	49692	110510	3.44%	0.190%
92	16.343	1287	1291	1294	rVV	497339	1006236	31.28%	1.726%
93	16.400	1294	1296	1299	rVB2	66769	114693	3.57%	0.197%
94	16.480	1299	1303	1305	rBV	113594	251505	7.82%	0.431%
95	16.526	1305	1307	1310	rVV2	98051	194313	6.04%	0.333%
96	16.594	1310	1313	1317	rVV4	52585	152289	4.73%	0.261%
97	16.708	1320	1323	1332	rVV	319327	716944	22.29%	1.230%
98	16.914	1339	1341	1347	rVB2	76222	198249	6.16%	0.340%
99	18.606	1483	1489	1499	rBV2	74665	319506	9.93%	0.548%
100	18.777	1499	1504	1508	rBV	47752	180805	5.62%	0.310%

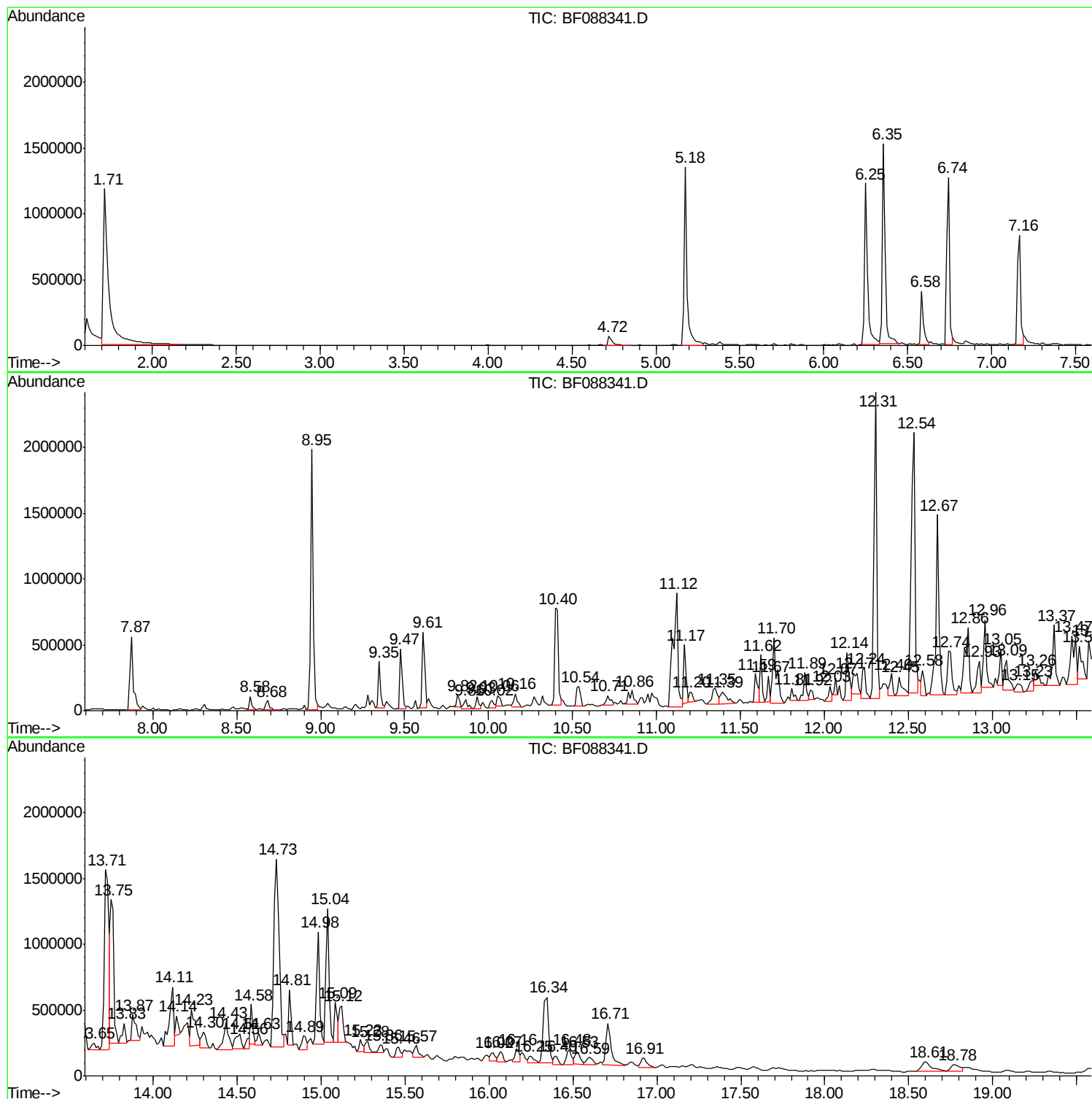
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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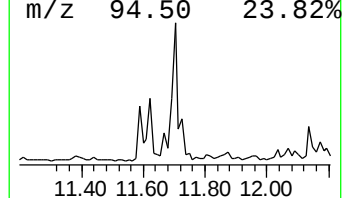
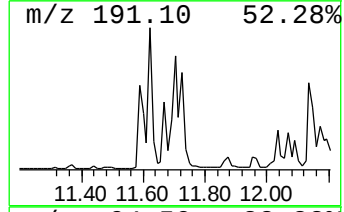
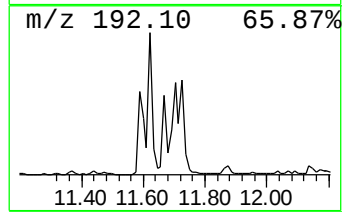
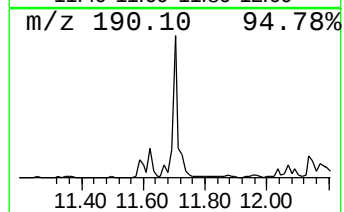
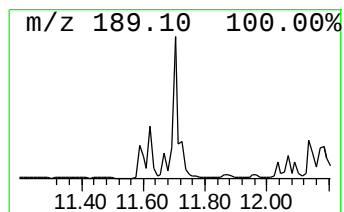
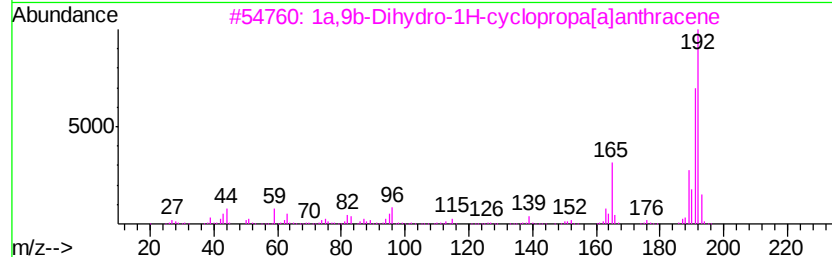
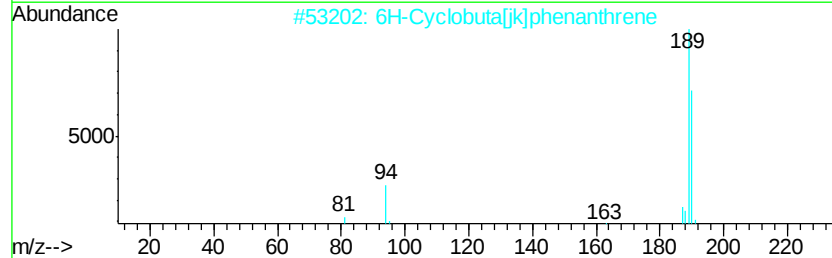
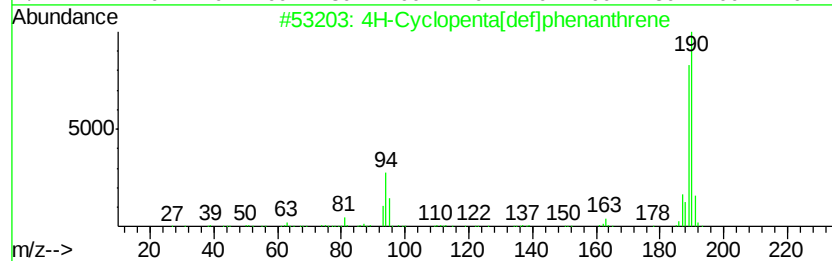
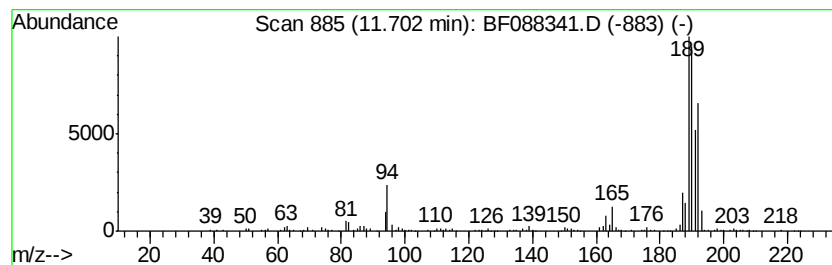
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.70	10.30 ng	825295	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



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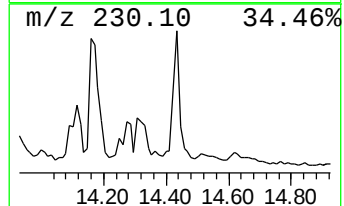
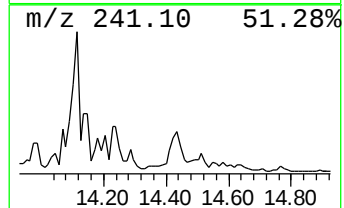
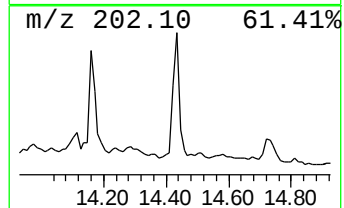
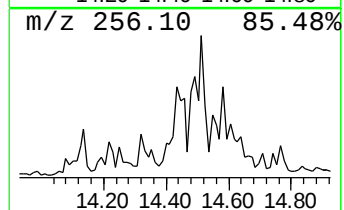
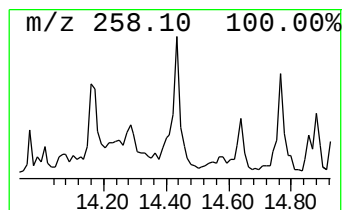
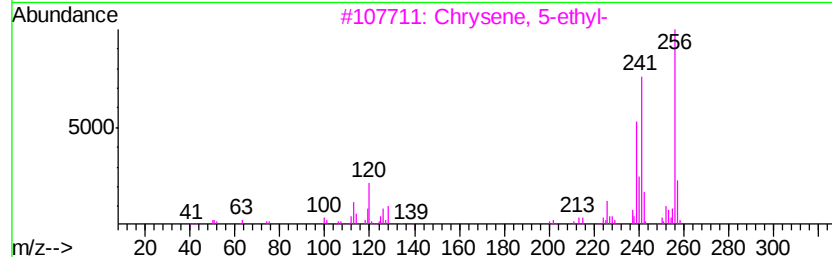
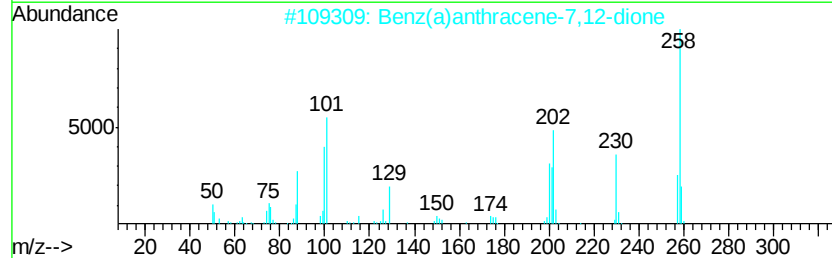
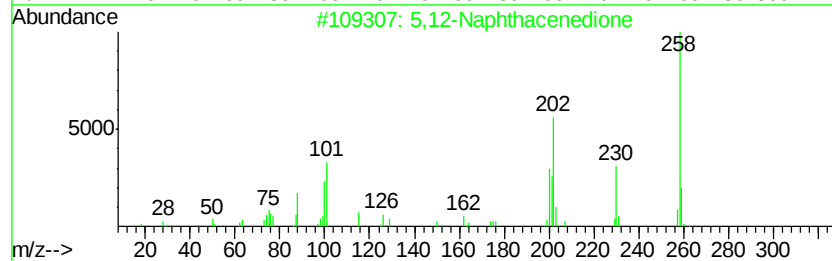
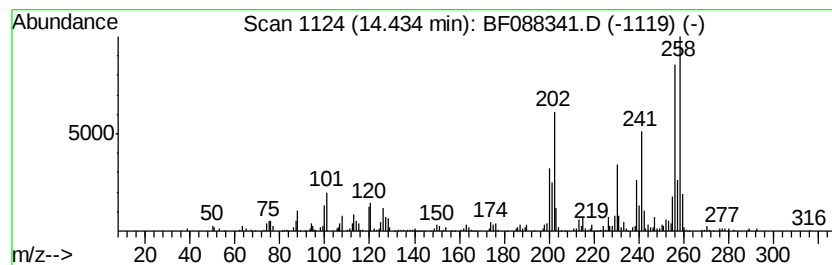
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 5,12-Naphthacenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	28.93 ng	458173	Perylene-d12	15.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	5,12-Naphthacenedione	258 C18H10O2	001090-13-7	95
2	Benz(a)anthracene-7,12-dione	258 C18H10O2	002498-66-0	89
3	Chrysene, 5-ethyl-	256 C20H16	054986-62-8	87
4	Benz[a]anthracene, 7,12-dimethyl-	256 C20H16	000057-97-6	83
5	Benz(a)anthracene, 8,12-dimethyl-	256 C20H16	020627-31-0	74



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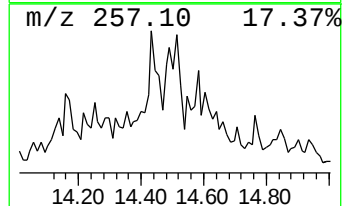
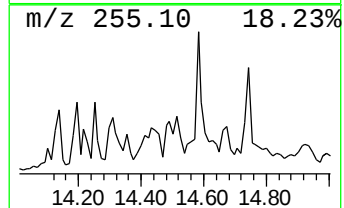
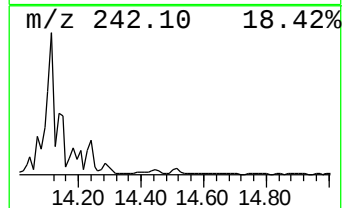
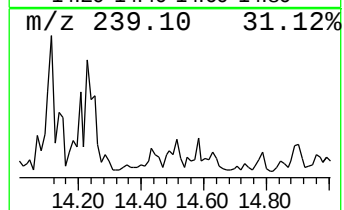
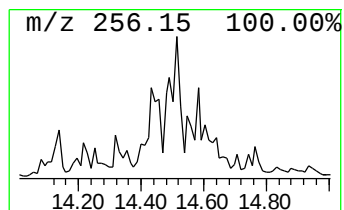
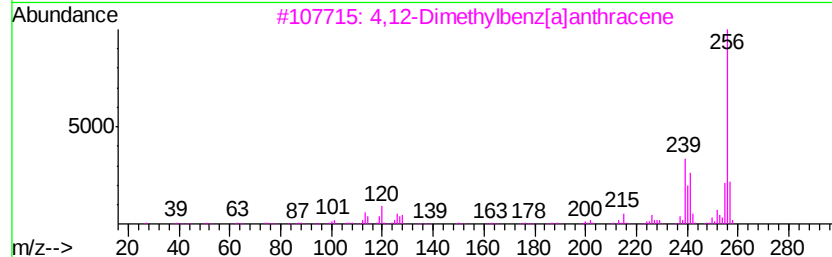
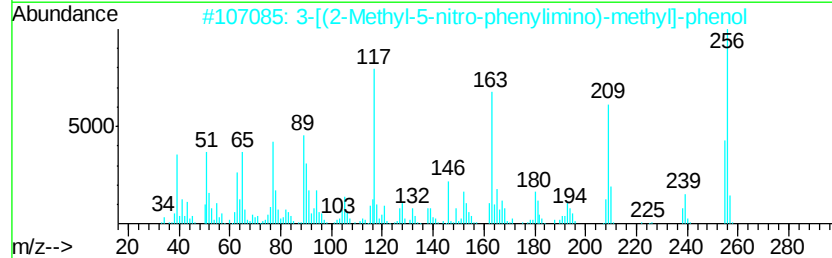
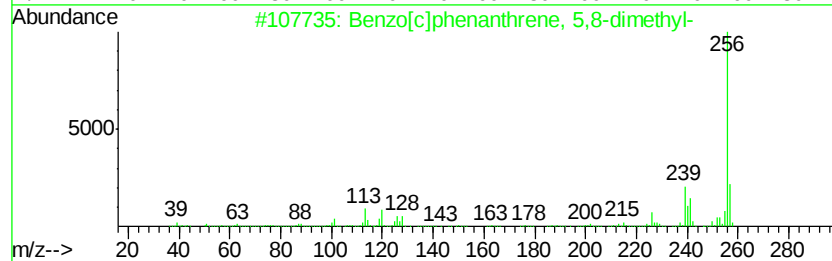
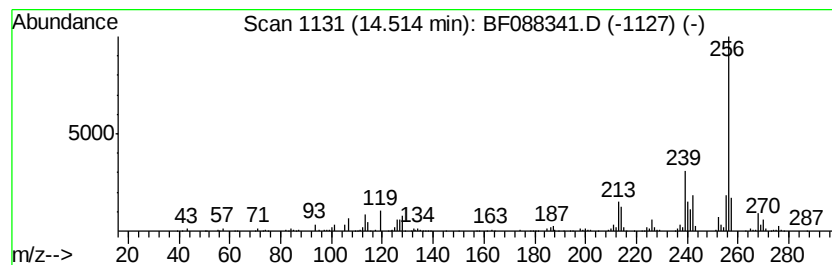
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	18.50 ng	293053	Perylene-d12	15.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	95
2		3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	90
3		4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	89
4		Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	89
5		4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	70



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Data File : BF088341.D
Acq On : 24 Jun 2016 19:51
Operator : UM/SJ
Sample : H3599-20
Misc :
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ClientSampleId :
PM-STA-1436(0-4)

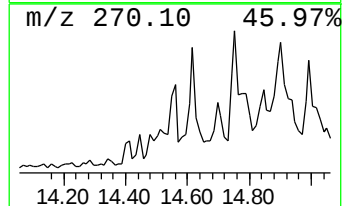
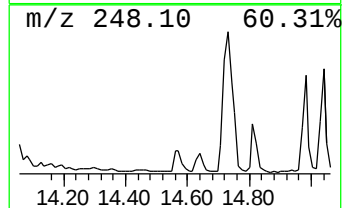
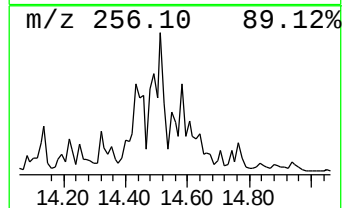
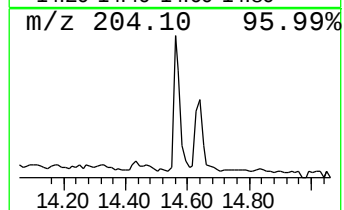
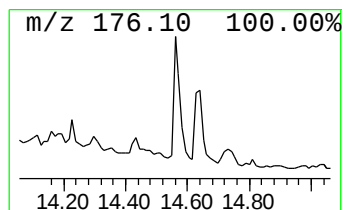
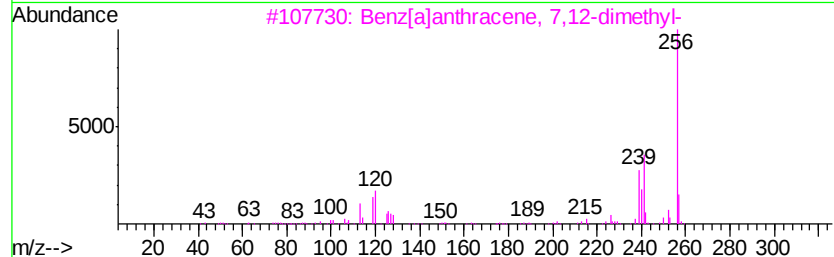
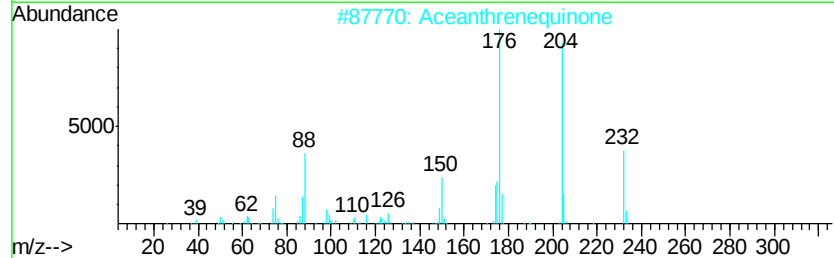
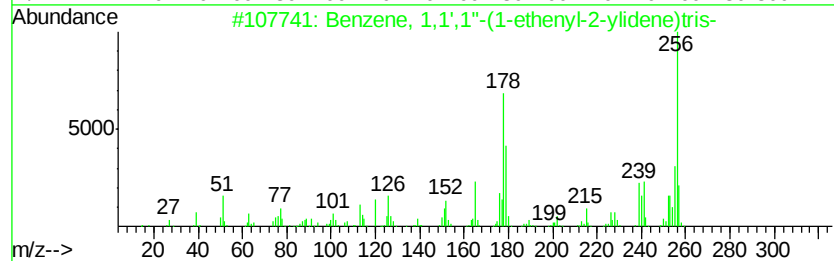
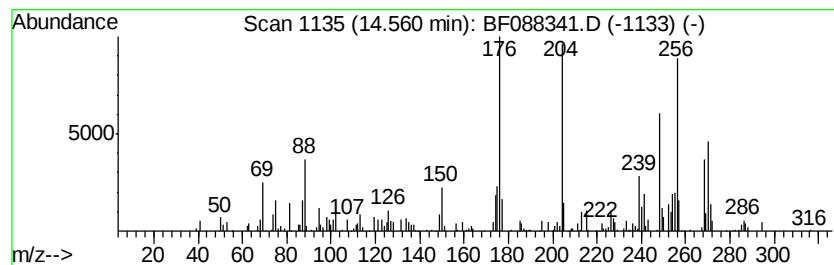
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown14.56 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	9.03 ng	143067	Perylene-d12	15.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	47
2			Aceanthrenequinone	232	C16H8O2	006373-11-1	42
3			Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	25
4			Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	25
5			trans-4-Fluoro-4'-methoxychalcone	256	C16H13FO2	102692-37-5	15



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Acq On : 24 Jun 2016 19:51
Operator : UM/SJ
Sample : H3599-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

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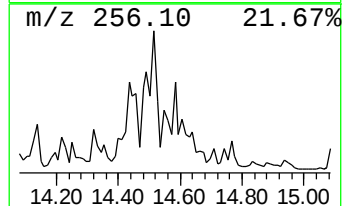
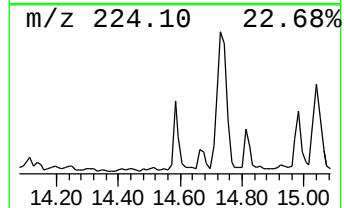
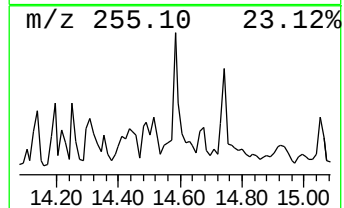
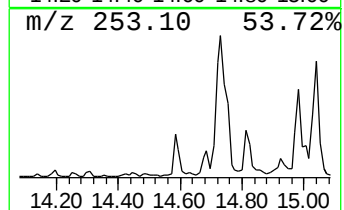
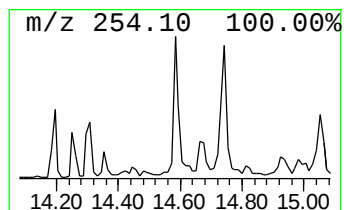
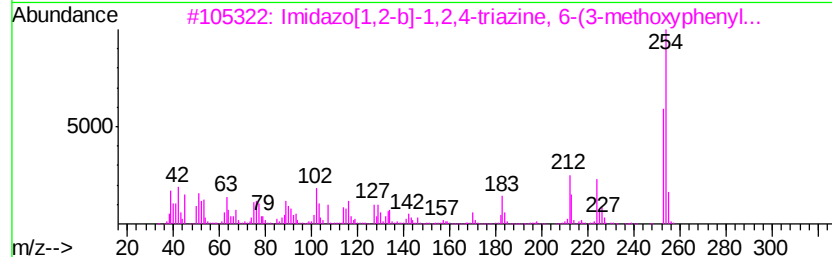
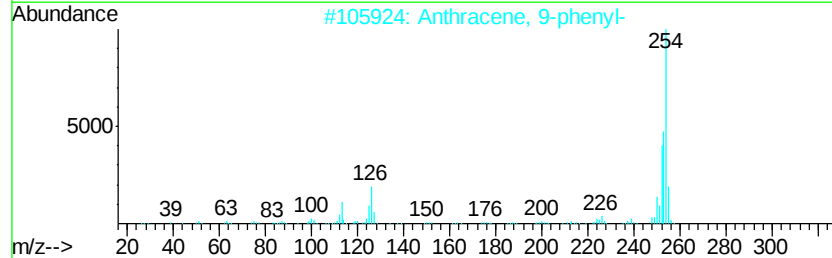
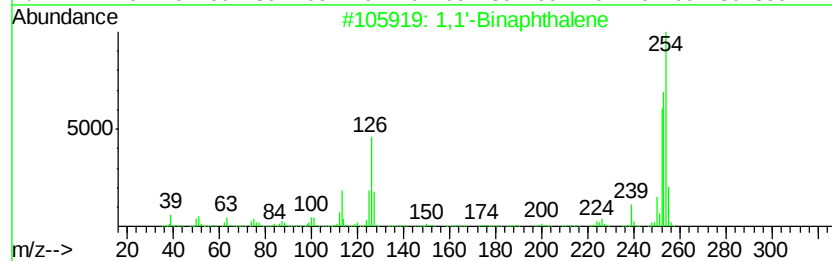
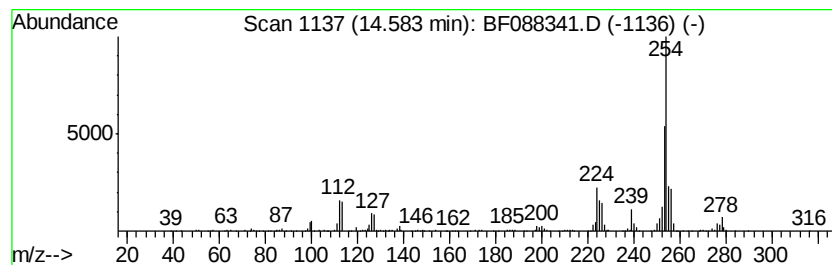
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	18.87 ng	298779	Perylene-d12	15.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
3		Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53
4		Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	53
5		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Sample : H3599-20
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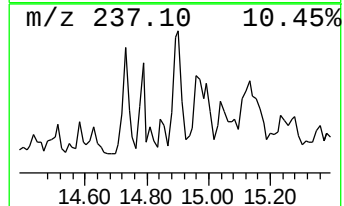
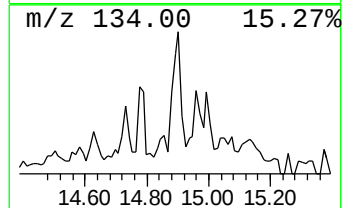
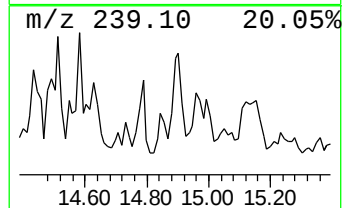
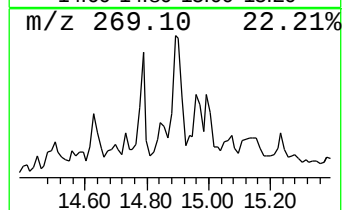
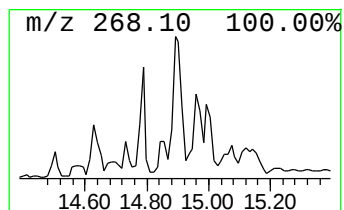
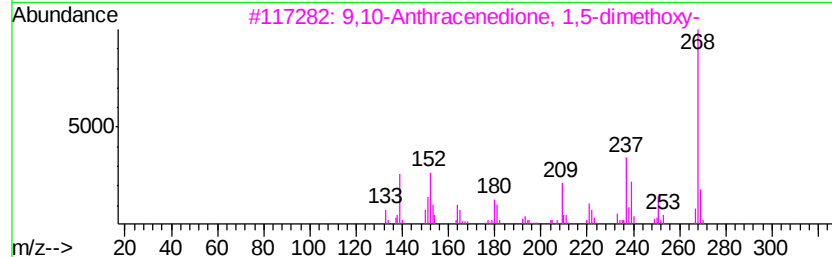
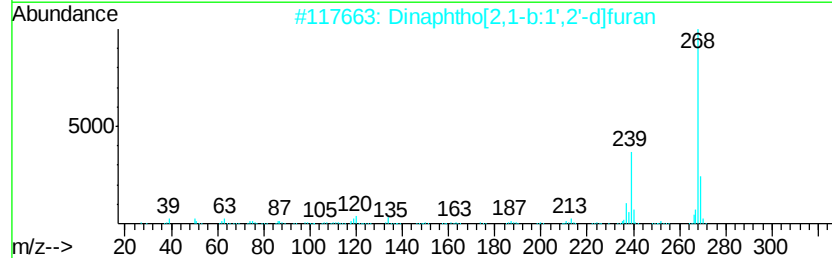
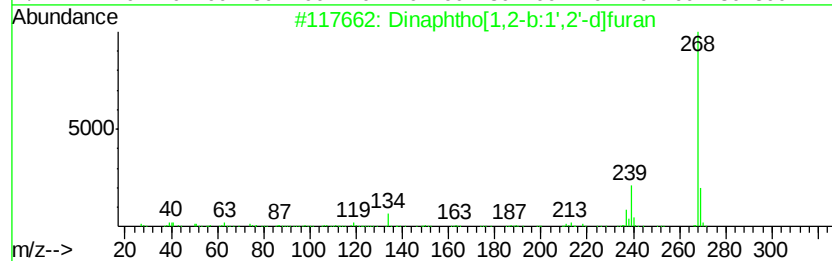
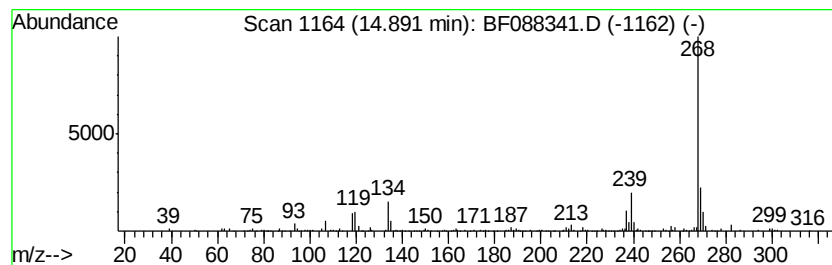
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.89	13.29 ng	210440	Perylene-d12	15.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	95
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
4		Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	53
5		9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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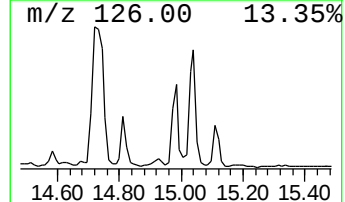
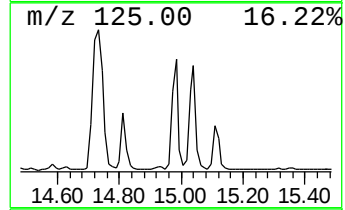
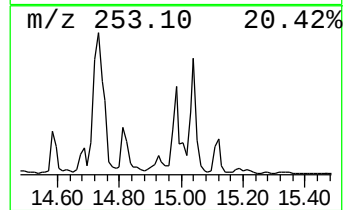
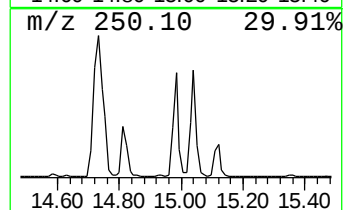
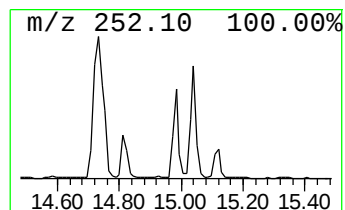
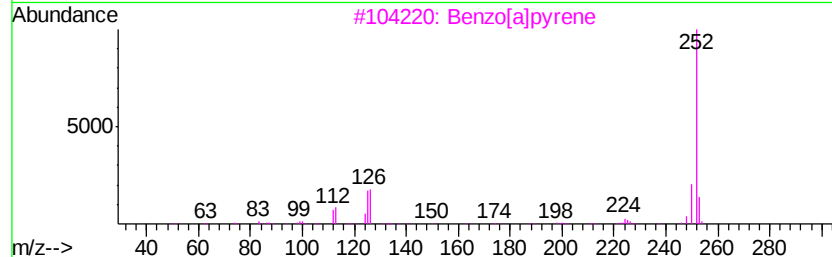
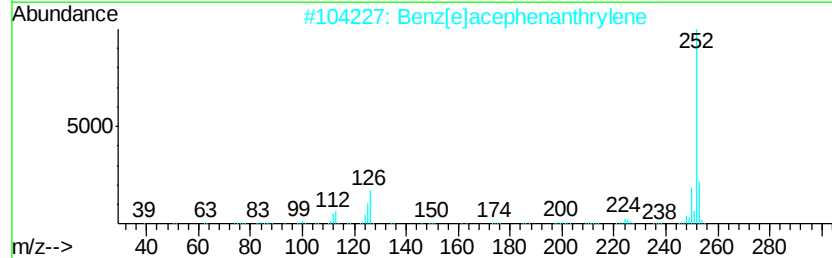
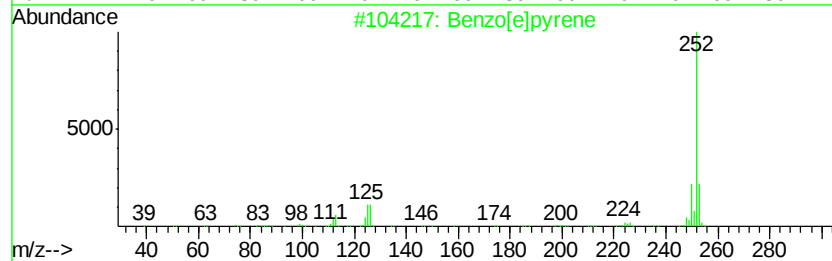
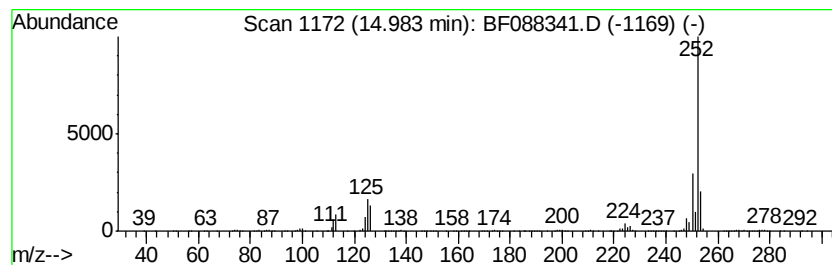
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.98	71.64 ng	1134630	Perylene-d12	15.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088341.D
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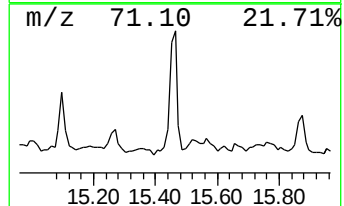
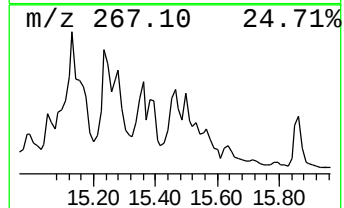
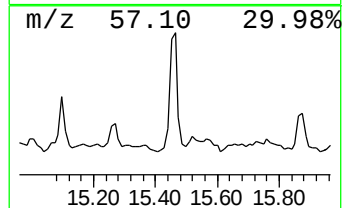
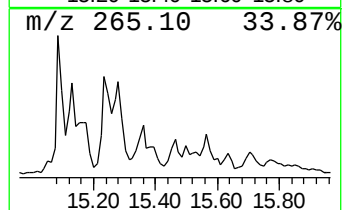
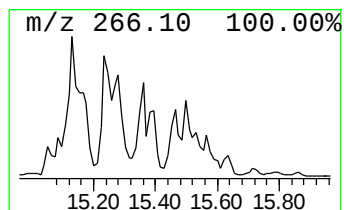
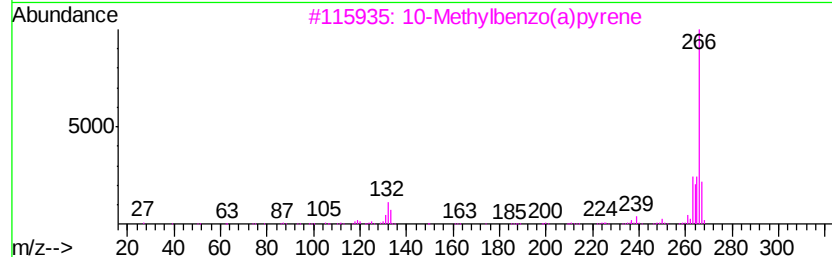
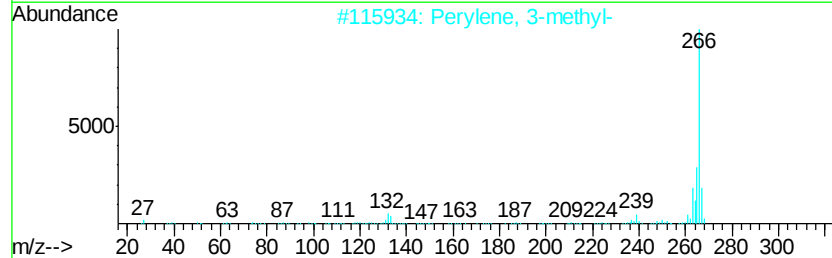
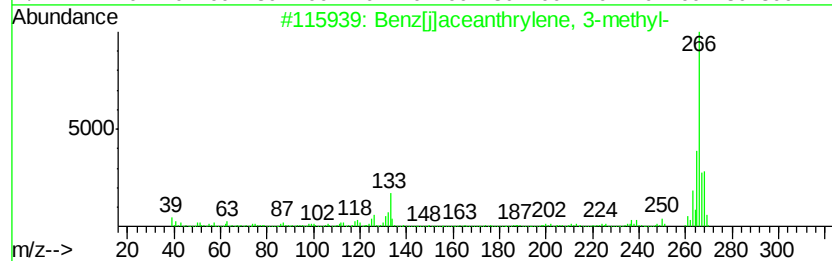
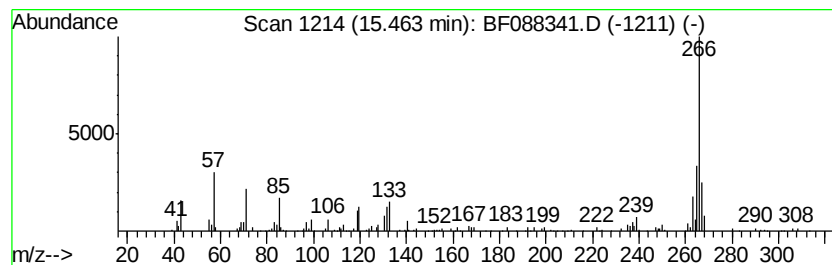
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benz[j]aceanthrylene, 3-met... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	10.65 ng	168668	Perylene-d12	15.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	89
2		Perylene, 3-methyl-	266	C21H14	024471-47-4	76
3		10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	64
4		Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	64
5		4H-Thiazolo[5,4-b]indole, 7-brom...	266	C10H7BrN2S	1000337-12-4	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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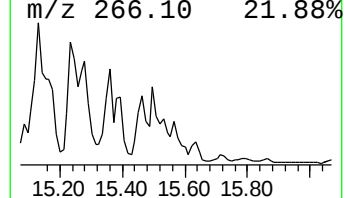
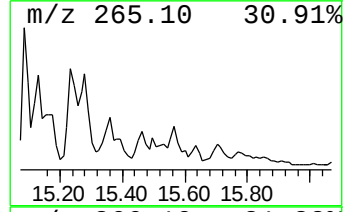
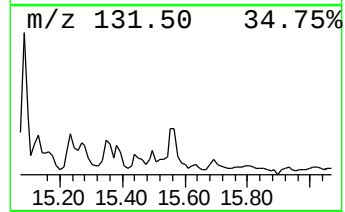
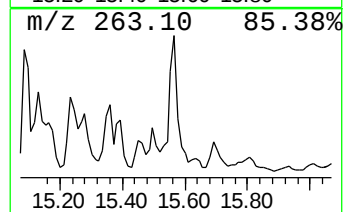
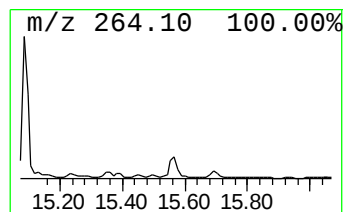
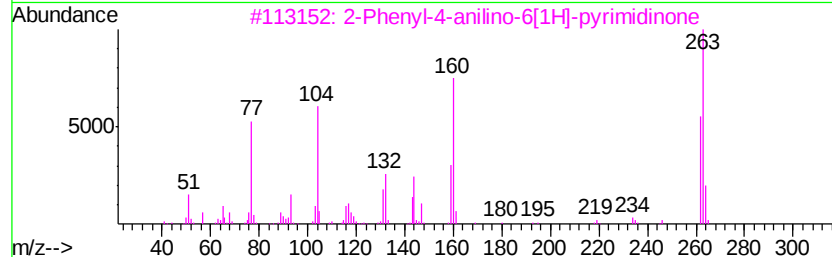
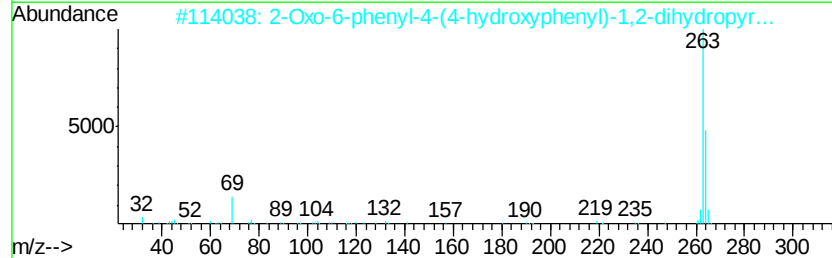
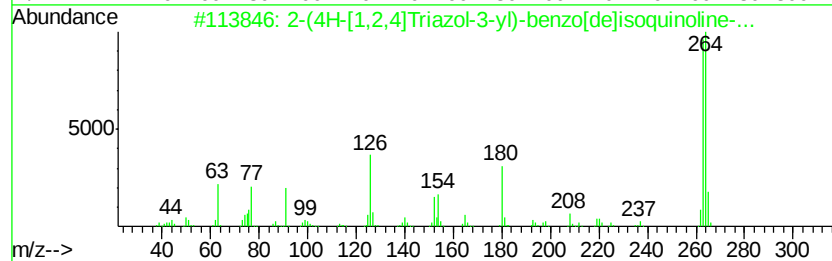
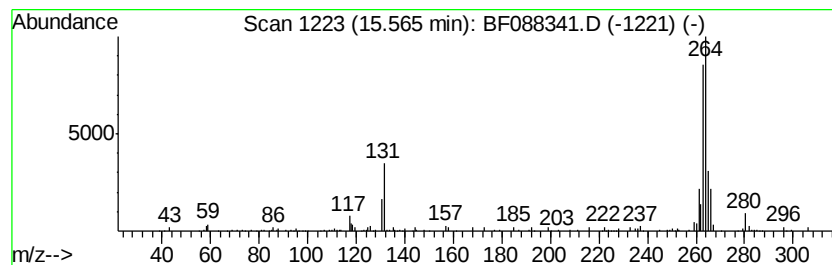
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 2-(4H-[1,2,4]Triazol-3-yl)-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	10.14 ng	160628	Perylene-d12	15.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
2		2-Oxo-6-phenyl-4-(4-hydroxypheny...	264	C16H12N2O2	161200-20-0	27
3		2-Phenyl-4-anilino-6[1H]-pyrimid...	263	C16H13N3O	031595-74-1	27
4		Perylene-D12	264	C20D12	001520-96-3	27
5		2,3,4,5,6-Pentachlorobenzyl 3-et...	518	C18H15Cl5O5S	1000332-55-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088341.D
Acq On : 24 Jun 2016 19:51
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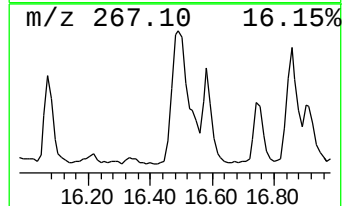
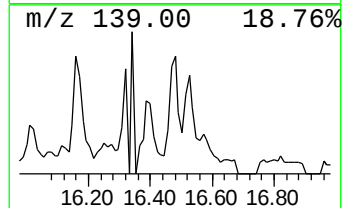
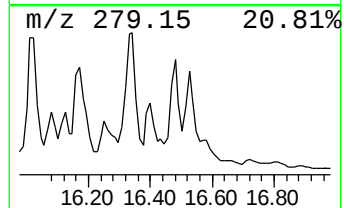
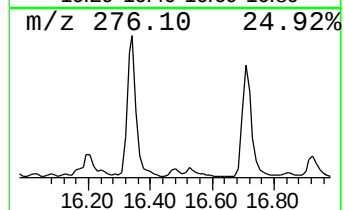
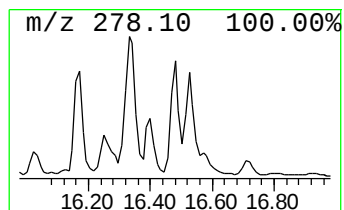
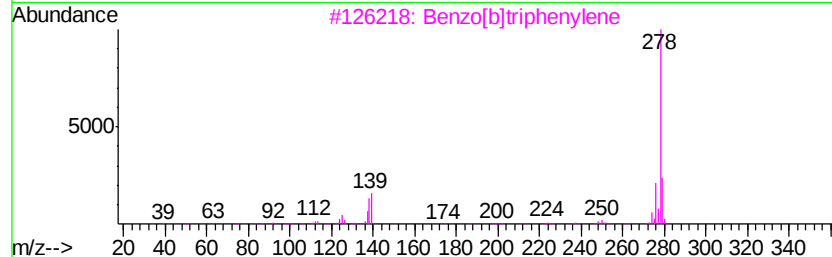
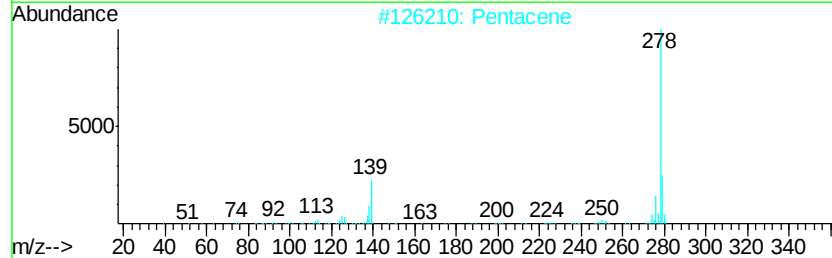
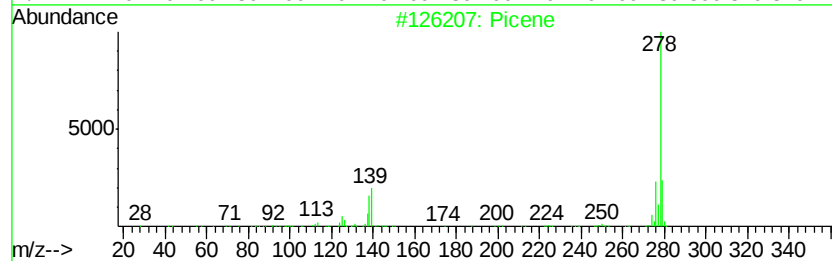
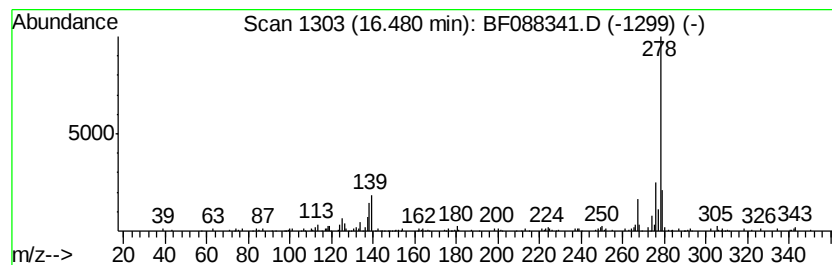
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	15.88 ng	251505	Perylene-d12	15.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	96
2		Pentacene	278	C22H14	000135-48-8	93
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088341.D
Acq On : 24 Jun 2016 19:51
Operator : UM/SJ
Sample : H3599-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

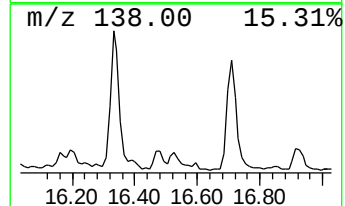
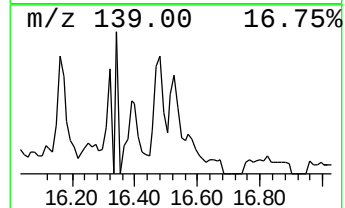
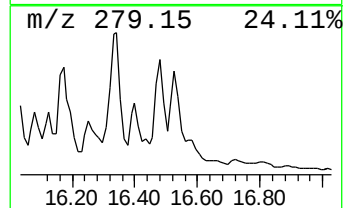
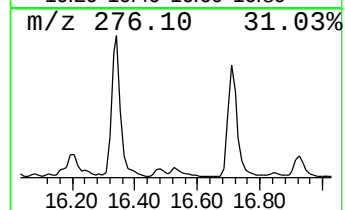
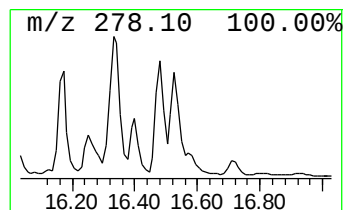
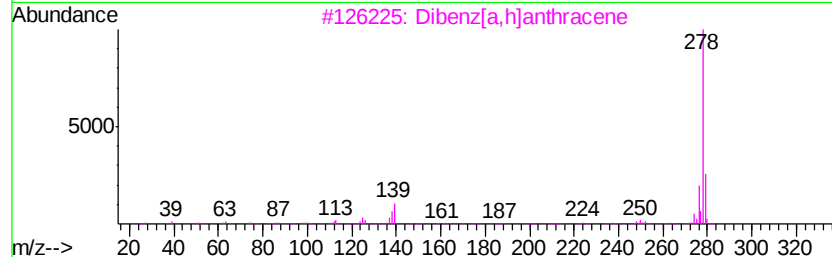
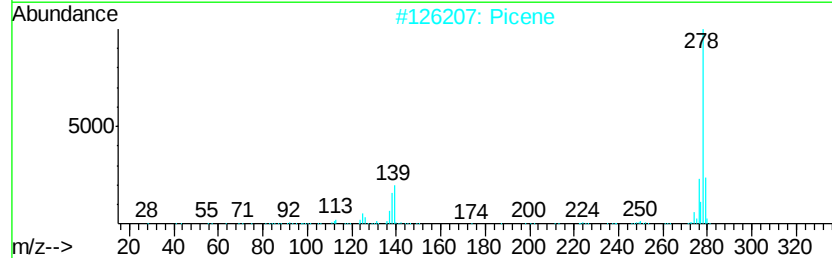
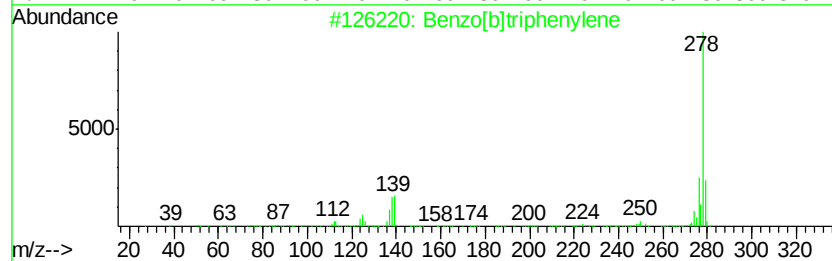
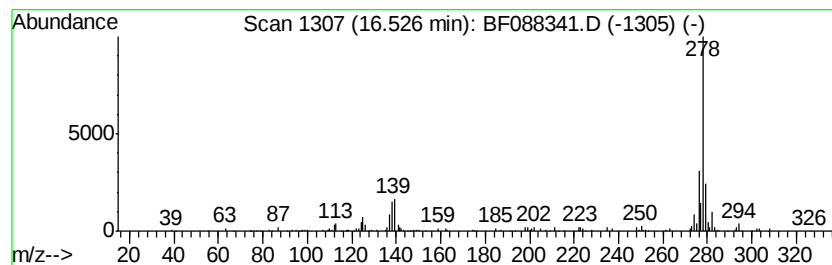
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	12.27 ng	194313	Perylene-d12	15.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Picene	278	C22H14	000213-46-7	97
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088341.D
Acq On : 24 Jun 2016 19:51
Operator : UM/SJ
Sample : H3599-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

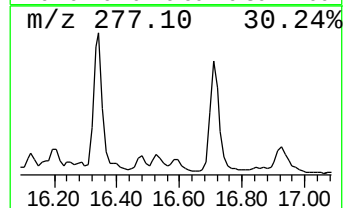
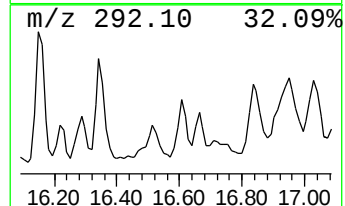
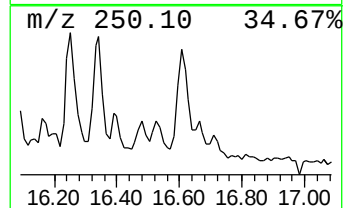
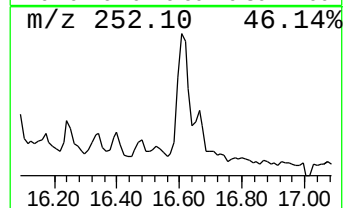
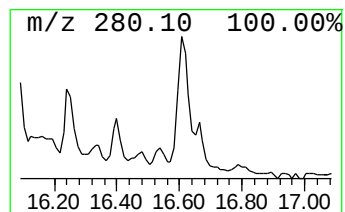
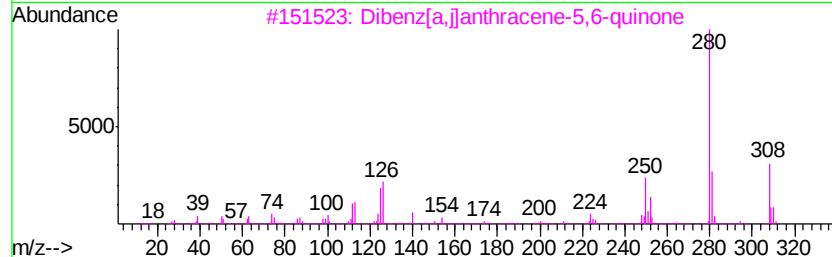
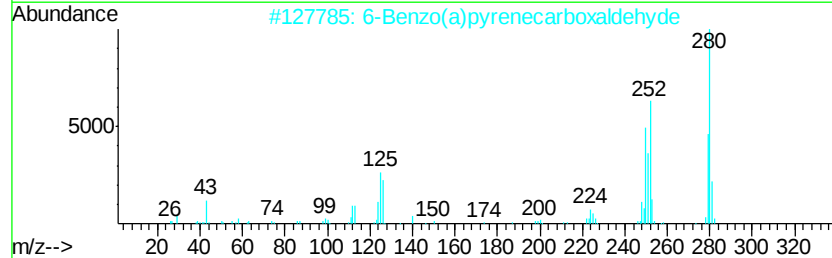
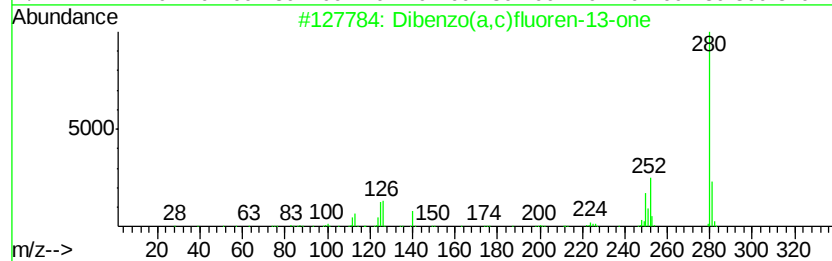
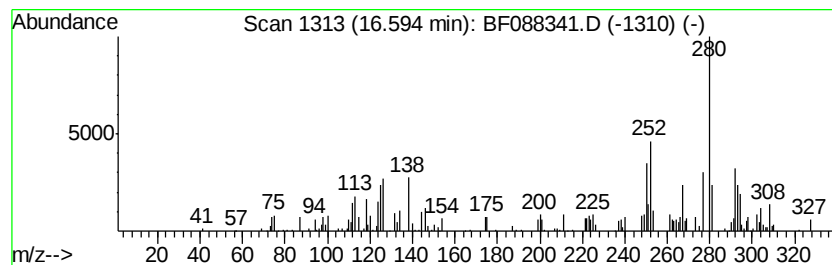
Instrument :
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ClientSampleId :
PM-STA-1436(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Dibenzo(a,c)fluoren-13-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.59	9.62 ng	152289	Perylene-d12	15.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	78
2		6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	78
3		Dibenz[a,j]anthracene-5,6-quinone	308	C22H12O2	052755-66-5	64
4		3,7-Dibromotropolone	278	C7H4Br2O2	004636-41-3	43
5		3-Hydroxy-D-homoestra-1,3,5(10),...	280	C19H20O2	1000215-90-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088341.D
Acq On : 24 Jun 2016 19:51
Operator : UM/SJ
Sample : H3599-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

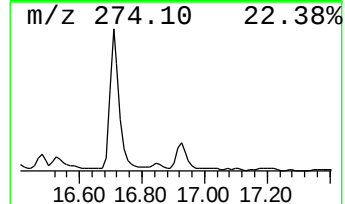
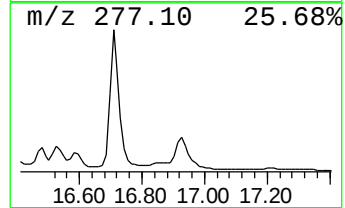
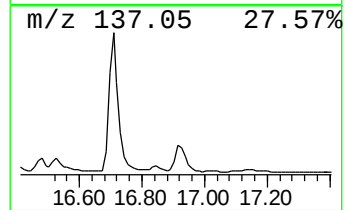
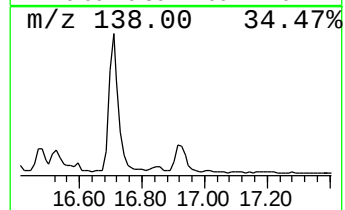
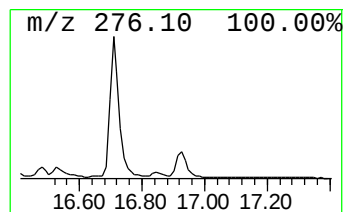
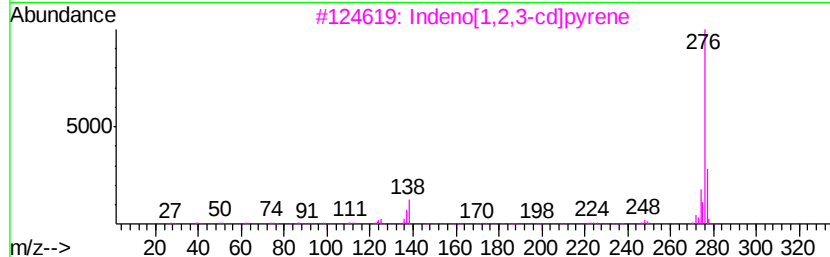
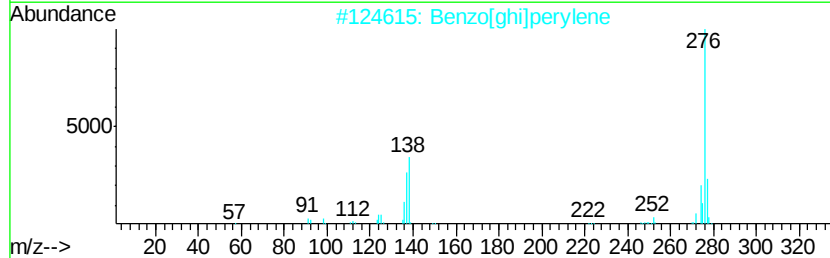
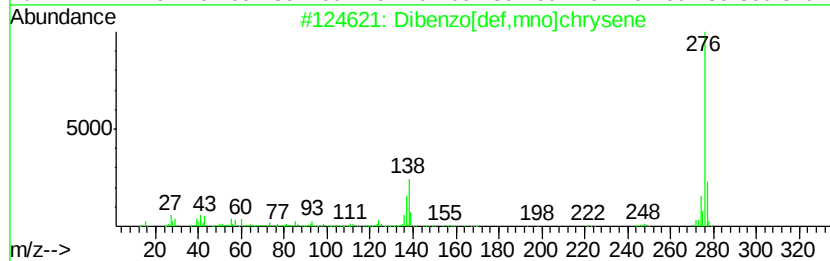
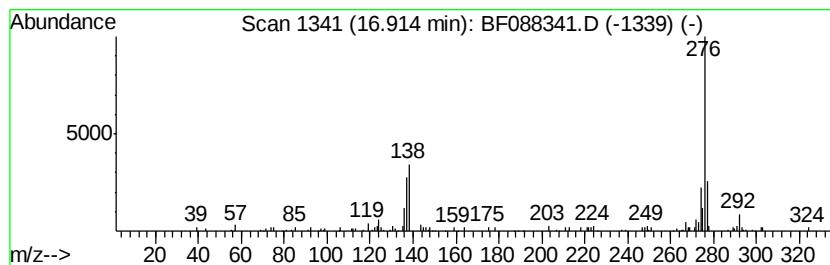
Instrument :
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ClientSampleId :
PM-STA-1436(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.91	12.52 ng	198249	Perylene-d12	15.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	87
5	1,3,5-Triazin-2-amine, N-isoprop...	276	C14H24N6	1000276-80-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088341.D
Acq On : 24 Jun 2016 19:51
Operator : UM/SJ
Sample : H3599-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PM-STA-1436(0-4)

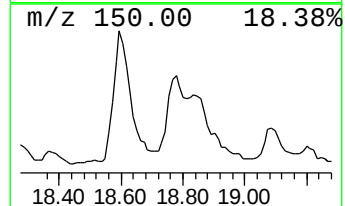
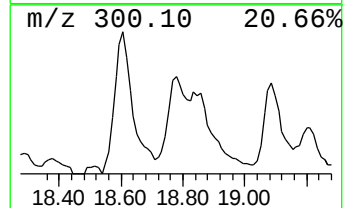
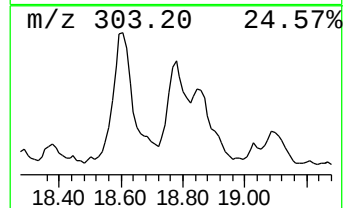
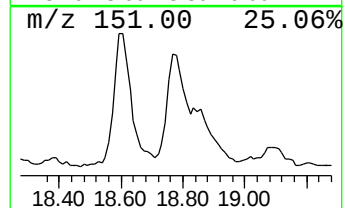
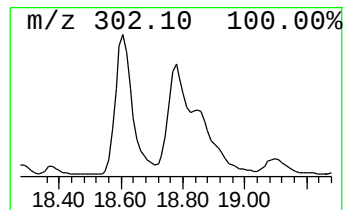
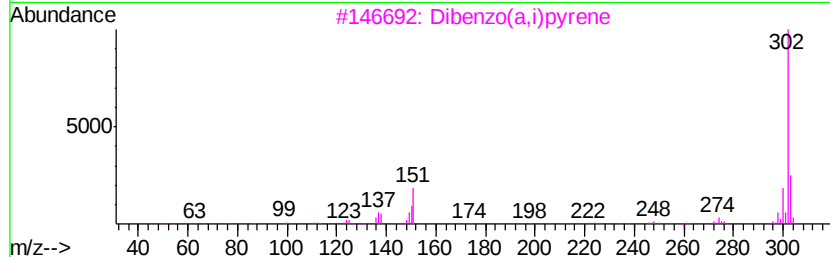
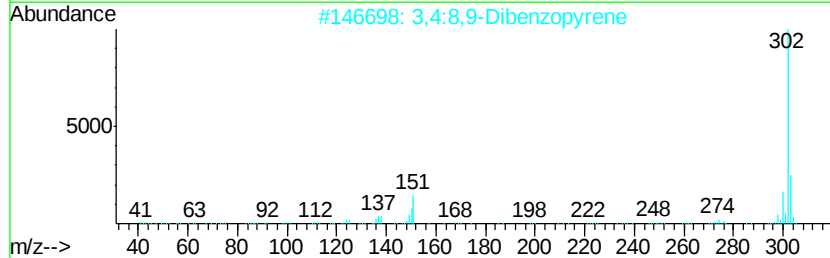
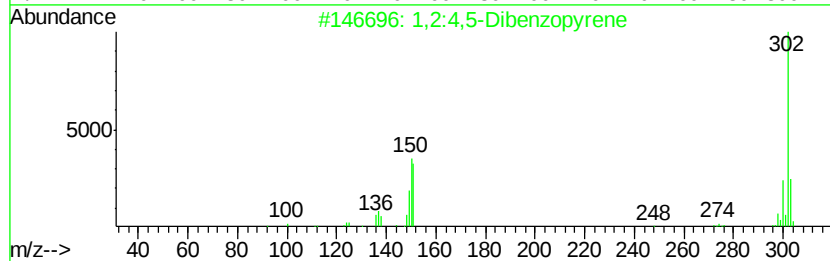
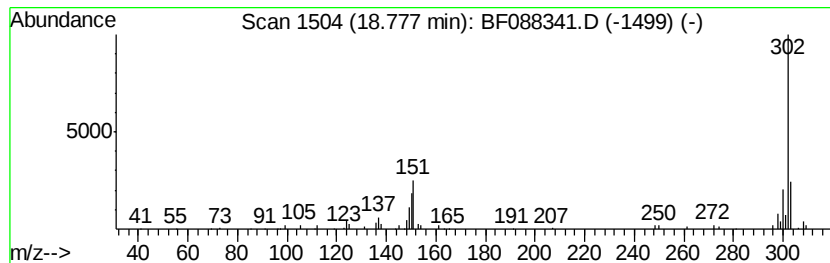
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	11.42 ng	180805	Perylene-d12	15.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	74
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088341.D
 Acq On : 24 Jun 2016 19:51
 Operator : UM/SJ
 Sample : H3599-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
4H-Cyclopenta[def...	11.70	10.3	ng	825295	4	11.10	1602550	20.0
5,12-Naphthacened...	14.43	28.9	ng	458173	6	15.09	316739	20.0
Benzo[c]phenanthr...	14.51	18.5	ng	293053	6	15.09	316739	20.0
unknown14.56	14.56	9.0	ng	143067	6	15.09	316739	20.0
1,1'-Binaphthalene	14.58	18.9	ng	298779	6	15.09	316739	20.0
Dinaphtho[1,2-b:1...	14.89	13.3	ng	210440	6	15.09	316739	20.0
Benzo[e]pyrene	14.98	71.6	ng	1134630	6	15.09	316739	20.0
Benz[j]aceanthryl...	15.46	10.7	ng	168668	6	15.09	316739	20.0
2-(4H-[1,2,4]Tria...	15.57	10.1	ng	160628	6	15.09	316739	20.0
Picene	16.48	15.9	ng	251505	6	15.09	316739	20.0
Benzo[b]triphenylene	16.53	12.3	ng	194313	6	15.09	316739	20.0
Dibenzo(a,c)fluor...	16.59	9.6	ng	152289	6	15.09	316739	20.0
Dibenzo[def,mno]c...	16.91	12.5	ng	198249	6	15.09	316739	20.0
1,2:4,5-Dibenzopy...	18.78	11.4	ng	180805	6	15.09	316739	20.0