

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088349.D
 Acq On : 24 Jun 2016 23:44
 Operator : UM/SJ
 Sample : H3598-16 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1393(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	1.712	10	11	56	rVB	1007840	2520863	62.00%	4.376%
2	5.164	312	313	322	rBV	385506	611162	15.03%	1.061%
3	6.250	405	408	415	rBV	486834	653864	16.08%	1.135%
4	6.353	415	417	426	rVB	744179	819445	20.15%	1.423%
5	6.582	435	437	446	rBV	359018	431332	10.61%	0.749%
6	6.742	449	451	459	rBV	448369	634929	15.61%	1.102%
7	7.153	486	487	499	rBV4	371021	536509	13.19%	0.931%
8	7.873	547	550	555	rBV	507839	635189	15.62%	1.103%
9	8.947	641	644	646	rBV	1084628	960211	23.61%	1.667%
10	9.348	678	679	682	rVV	141976	144863	3.56%	0.251%
11	9.473	688	690	693	rBV	383869	459906	11.31%	0.798%
12	9.610	700	702	704	rVV	511712	609436	14.99%	1.058%
13	10.159	744	750	754	rBV3	46371	104502	2.57%	0.181%
14	10.399	769	771	774	rBV2	335055	431755	10.62%	0.750%
15	10.536	780	783	786	rVB2	83659	137463	3.38%	0.239%
16	10.708	795	798	801	rBV2	48618	93328	2.30%	0.162%
17	10.856	807	811	814	rVB2	89885	166053	4.08%	0.288%
18	11.096	829	832	833	rBV	413489	619697	15.24%	1.076%
19	11.165	837	838	840	rVV	509142	562581	13.84%	0.977%
20	11.199	840	841	845	rVV2	81585	130847	3.22%	0.227%
21	11.348	850	854	856	rBV3	134310	284050	6.99%	0.493%
22	11.382	856	857	865	rVB5	78444	193859	4.77%	0.337%
23	11.588	873	875	877	rBV	141856	209310	5.15%	0.363%
24	11.622	877	878	880	rVB	237418	196885	4.84%	0.342%
25	11.668	880	882	883	rBV	176530	173633	4.27%	0.301%
26	11.702	883	885	890	rVB	410736	673142	16.55%	1.169%
27	11.885	898	901	903	rBV2	156210	234191	5.76%	0.407%
28	12.068	915	917	918	rVV	148303	128849	3.17%	0.224%
29	12.136	921	923	925	rBV	341415	515149	12.67%	0.894%
30	12.171	925	926	930	rVV2	190517	384461	9.46%	0.667%
31	12.239	930	932	935	rVB	274401	382727	9.41%	0.664%
32	12.308	935	938	941	rBV	2222232	2582040	63.50%	4.482%
33	12.354	941	942	945	rVV2	86010	169237	4.16%	0.294%
34	12.399	945	946	948	rVB2	128956	108618	2.67%	0.189%

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35	12.445	948	950	953	rBV3	126457	237593	5.84%	0.412%
36	12.536	955	958	961	rBV	2245612	3454988	84.97%	5.998%
37	12.582	961	962	964	rVB2	193429	233244	5.74%	0.405%
38	12.674	966	970	974	rVB3	729307	1215257	29.89%	2.110%
39	12.754	974	977	980	rBV2	417146	763591	18.78%	1.326%
40	12.856	980	986	988	rVB2	548870	1170392	28.78%	2.032%
41	12.925	988	992	993	rBV	317307	438437	10.78%	0.761%
42	12.959	993	995	999	rVB2	610436	767105	18.87%	1.332%
43	13.016	999	1000	1001	rBV	90981	102114	2.51%	0.177%
44	13.051	1001	1003	1004	rVV	417647	368639	9.07%	0.640%
45	13.085	1004	1006	1010	rVB3	303221	470200	11.56%	0.816%
46	13.154	1010	1012	1016	rVB4	99279	182220	4.48%	0.316%
47	13.234	1016	1019	1020	rBV3	106816	212350	5.22%	0.369%
48	13.256	1020	1021	1026	rVB2	99879	205660	5.06%	0.357%
49	13.336	1026	1028	1029	rBV	98506	129719	3.19%	0.225%
50	13.371	1029	1031	1034	rVB	428415	464291	11.42%	0.806%
51	13.428	1034	1036	1037	rVB	85760	93958	2.31%	0.163%
52	13.496	1037	1042	1043	rBV3	449041	981283	24.13%	1.704%
53	13.519	1043	1044	1048	rVV3	317074	610485	15.01%	1.060%
54	13.599	1048	1051	1054	rVB2	314085	531034	13.06%	0.922%
55	13.725	1058	1062	1064	rBV2	1675990	3579582	88.03%	6.214%
56	13.759	1064	1065	1068	rVB	1492405	1285915	31.62%	2.232%
57	13.828	1069	1071	1073	rVB2	254019	227411	5.59%	0.395%
58	13.885	1073	1076	1079	rBV3	144385	299060	7.35%	0.519%
59	13.942	1079	1081	1084	rBV2	132784	195692	4.81%	0.340%
60	14.045	1089	1090	1091	rVV	182493	189276	4.65%	0.329%
61	14.114	1091	1096	1097	rVV	677998	1322303	32.52%	2.296%
62	14.148	1097	1099	1100	rVV2	346009	538259	13.24%	0.934%
63	14.205	1100	1104	1105	rVV4	281522	799041	19.65%	1.387%
64	14.228	1105	1106	1110	rVV2	379888	949246	23.34%	1.648%
65	14.308	1110	1113	1116	rVV2	199610	541273	13.31%	0.940%
66	14.354	1116	1117	1119	rVV	111754	157116	3.86%	0.273%
67	14.434	1121	1124	1127	rVV	287760	660216	16.24%	1.146%
68	14.514	1127	1131	1133	rVV3	195257	513858	12.64%	0.892%
69	14.559	1133	1135	1136	rVV	121708	213286	5.25%	0.370%
70	14.582	1136	1137	1139	rVV	374676	500818	12.32%	0.869%
71	14.628	1139	1141	1143	rVV3	162155	326951	8.04%	0.568%

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72	14.674	1143	1145	1147	rVV2	135708	263530	6.48%	0.457%
73	14.731	1147	1150	1154	rVV2	1660010	4066172	100.00%	7.059%
74	14.788	1154	1155	1156	rVV	157074	152311	3.75%	0.264%
75	14.822	1156	1158	1160	rVV	416020	629117	15.47%	1.092%
76	14.902	1162	1165	1166	rVV2	141118	303438	7.46%	0.527%
77	14.982	1169	1172	1175	rVV	1031929	1580065	38.86%	2.743%
78	15.040	1175	1177	1180	rVV	1272553	1878715	46.20%	3.261%
79	15.085	1180	1181	1182	rVV	283870	367395	9.04%	0.638%
80	15.120	1182	1184	1190	rVV2	575680	975296	23.99%	1.693%
81	15.234	1192	1194	1196	rVV	73226	127833	3.14%	0.222%
82	15.280	1196	1198	1200	rVB	74196	113169	2.78%	0.196%
83	15.360	1202	1205	1206	rBV	67953	97788	2.40%	0.170%
84	15.462	1211	1214	1216	rBV	68322	124344	3.06%	0.216%
85	15.565	1221	1223	1227	rVB2	98701	178197	4.38%	0.309%
86	15.988	1257	1260	1261	rBV3	42757	94317	2.32%	0.164%
87	16.022	1261	1263	1265	rVV2	71946	139607	3.43%	0.242%
88	16.068	1265	1267	1270	rVV2	64656	138472	3.41%	0.240%
89	16.171	1273	1276	1277	rVV2	105839	208387	5.12%	0.362%
90	16.251	1281	1283	1287	rVV2	74158	181373	4.46%	0.315%
91	16.342	1287	1291	1294	rVV	610803	1204770	29.63%	2.091%
92	16.400	1294	1296	1299	rVB	74343	133473	3.28%	0.232%
93	16.480	1300	1303	1305	rBV	113165	223359	5.49%	0.388%
94	16.525	1305	1307	1310	rVV2	89673	191331	4.71%	0.332%
95	16.605	1311	1314	1317	rVV3	54737	137478	3.38%	0.239%
96	16.708	1320	1323	1332	rVB	354389	805849	19.82%	1.399%
97	16.925	1339	1342	1348	rVB2	77475	193636	4.76%	0.336%
98	17.588	1396	1400	1405	rVB3	63100	160176	3.94%	0.278%
99	18.606	1484	1489	1499	rBV2	77569	308297	7.58%	0.535%
100	18.777	1499	1504	1508	rBV	50828	193980	4.77%	0.337%

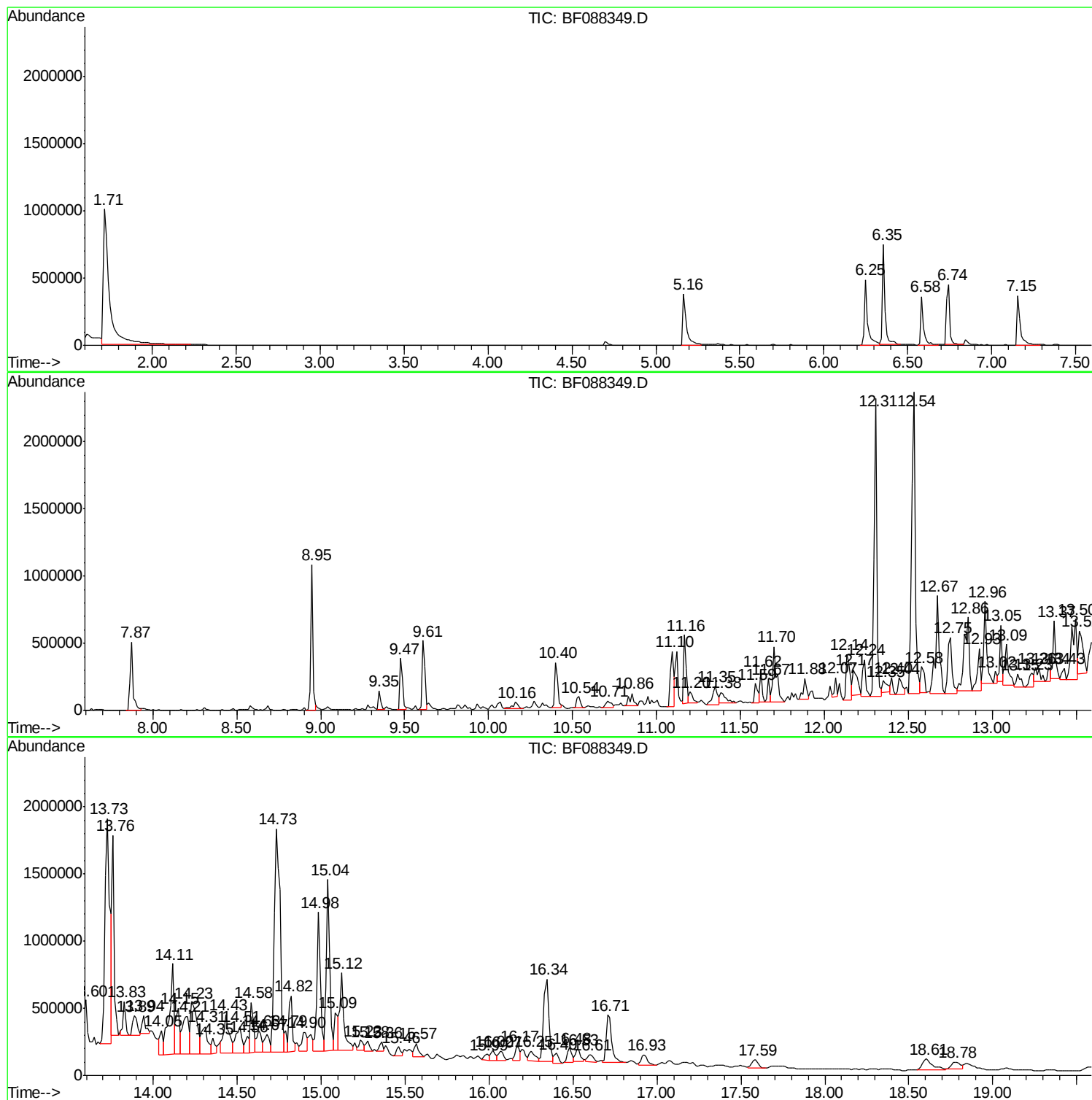
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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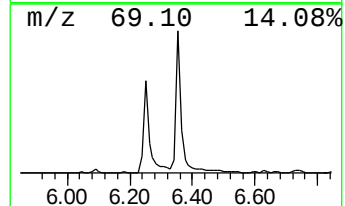
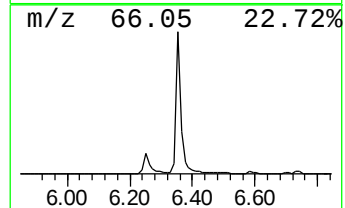
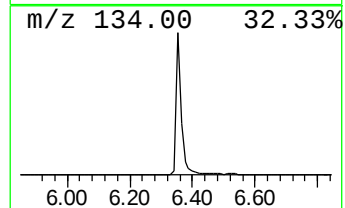
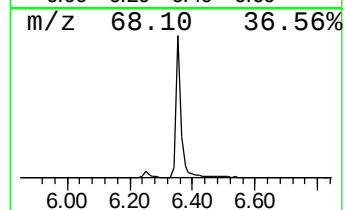
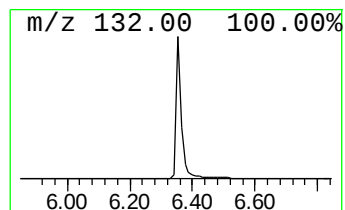
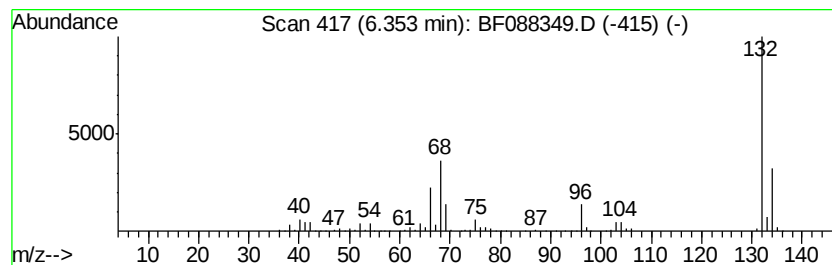
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.35 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	38.00 ng	819445	1,4-Dichlorobenzene-d4	6.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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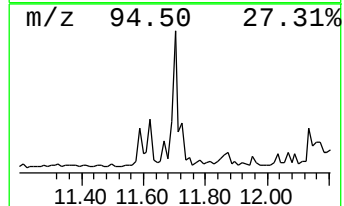
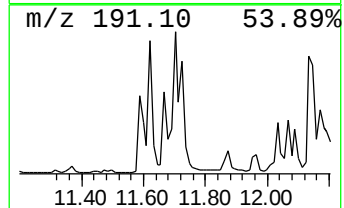
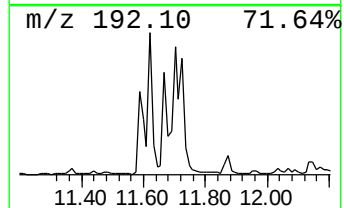
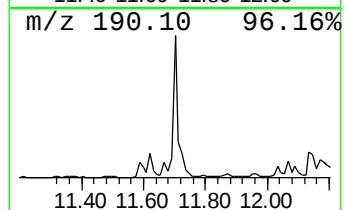
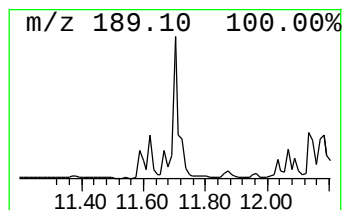
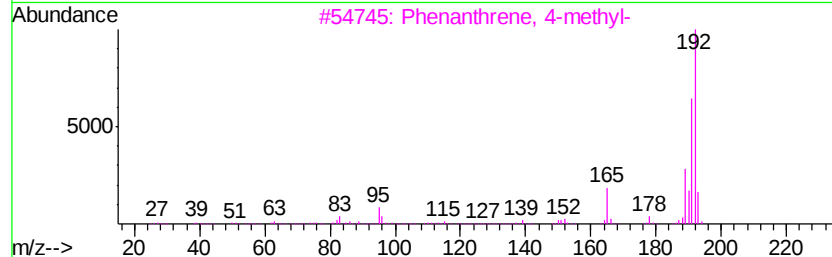
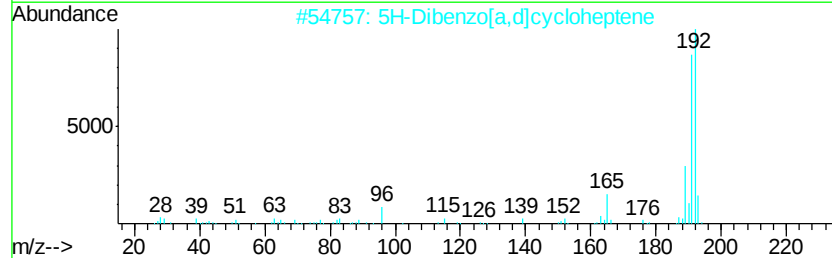
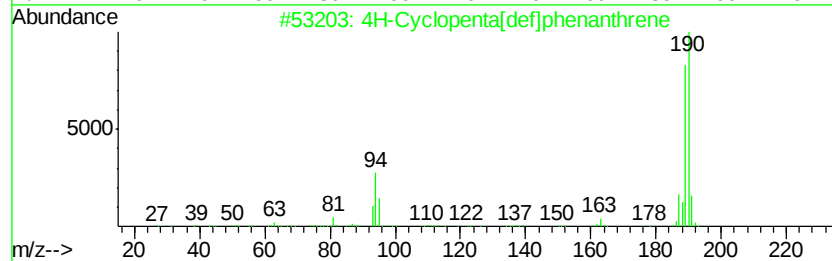
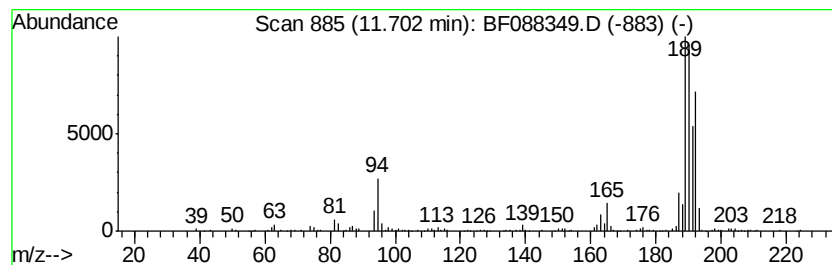
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	21.72 ng	673142	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	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



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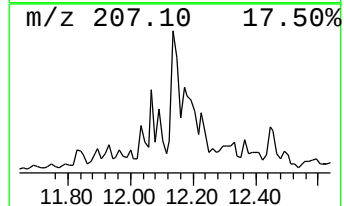
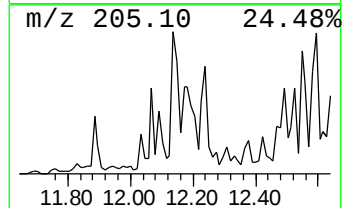
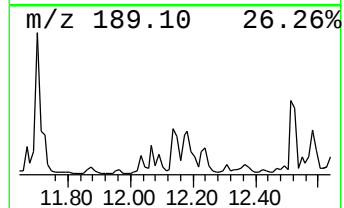
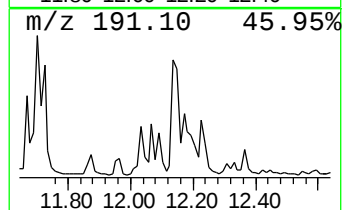
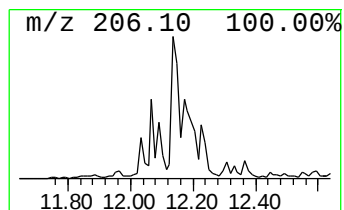
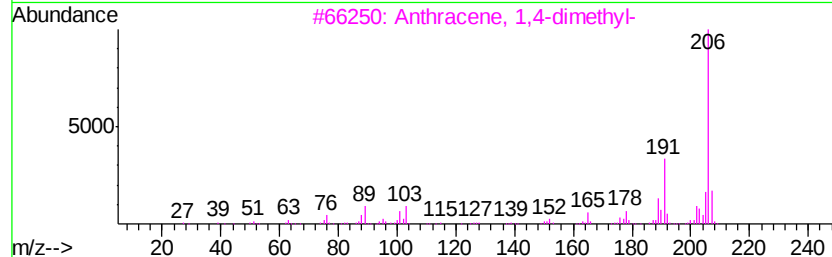
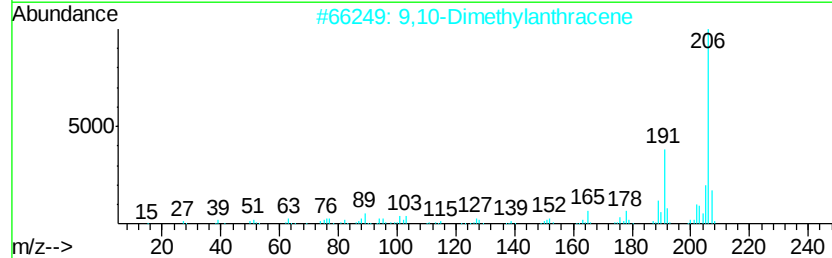
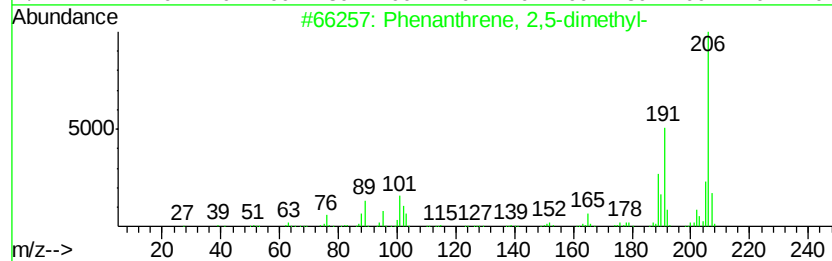
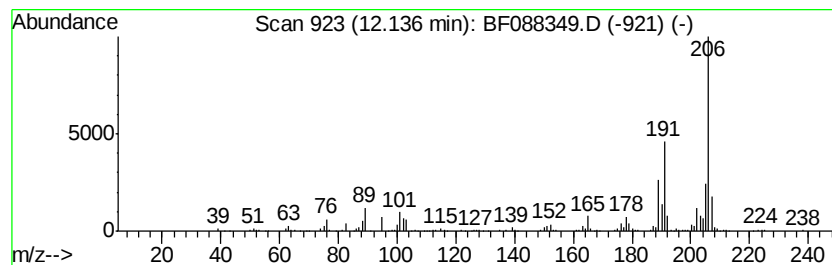
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Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	16.63 ng	515149	Phenanthrene-d10	11.10

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94



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Misc :
ALS Vial : 19 Sample Multiplier: 1

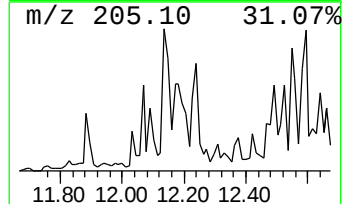
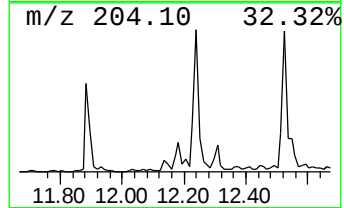
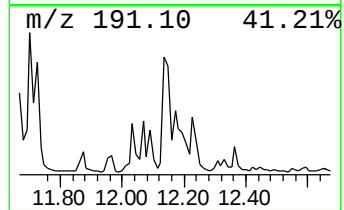
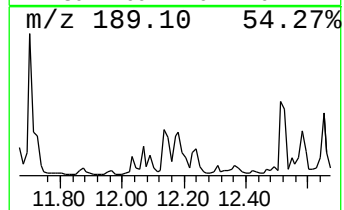
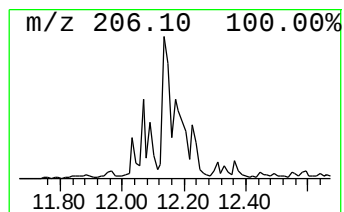
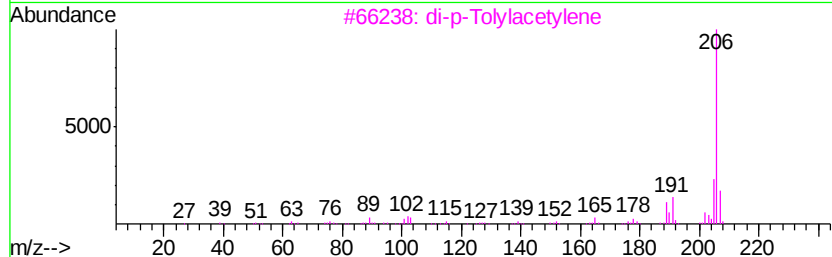
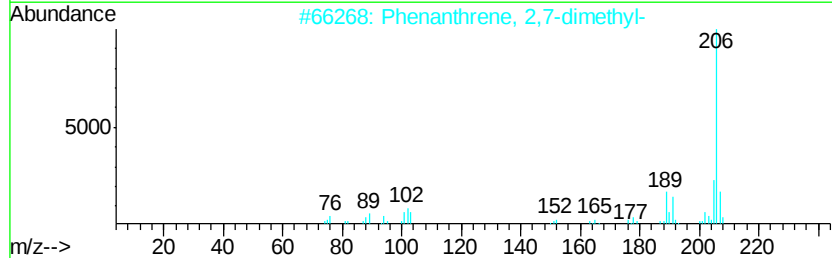
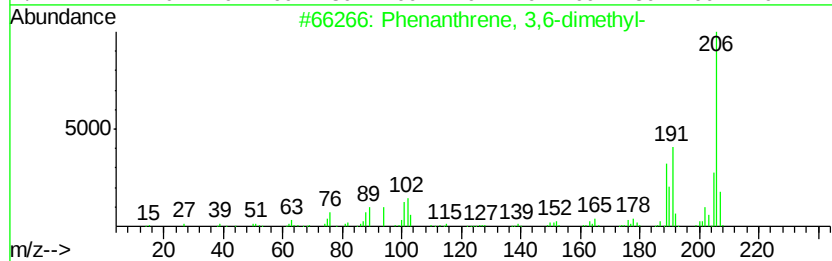
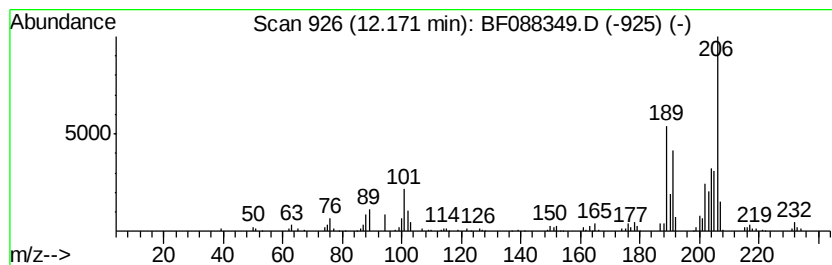
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ClientSampleId :
PM-STA-1393(0-4)

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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 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.17	12.41 ng	384461	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	55
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088349.D
Acq On : 24 Jun 2016 23:44
Operator : UM/SJ
Sample : H3598-16 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PM-STA-1393(0-4)

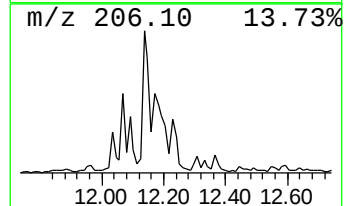
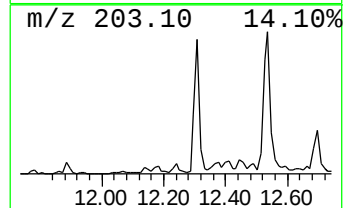
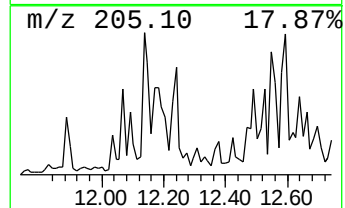
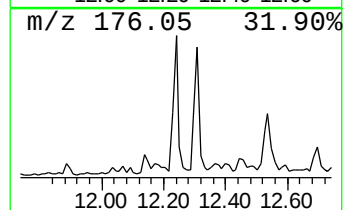
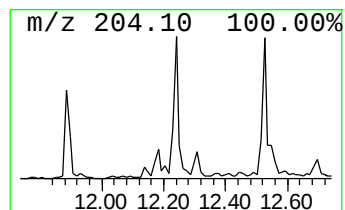
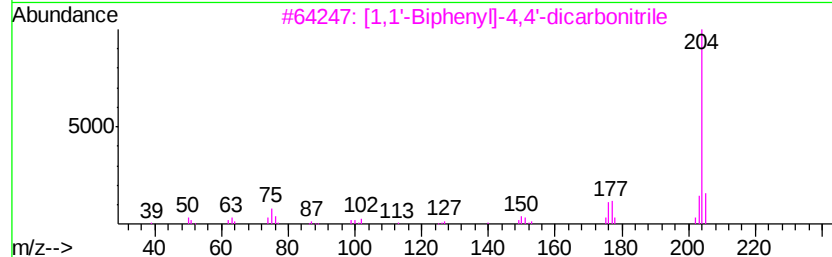
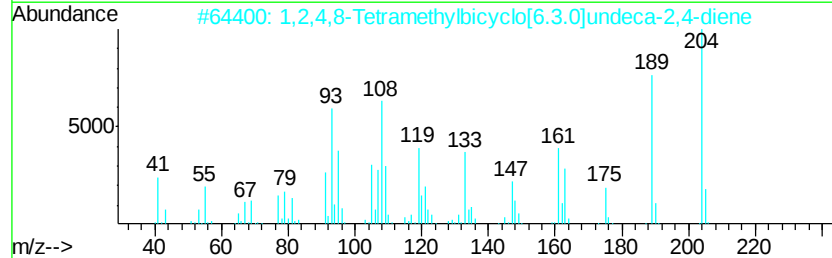
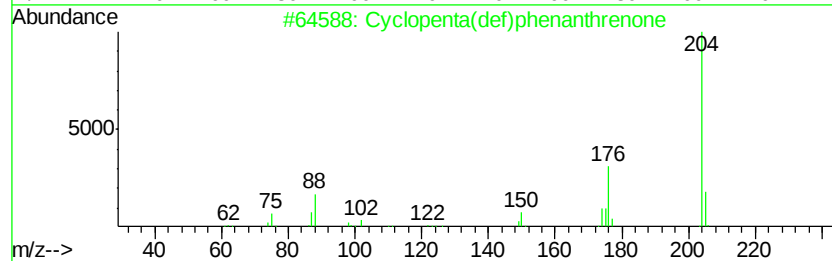
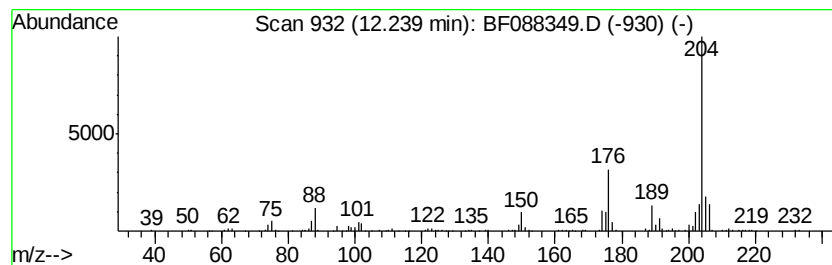
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	12.35 ng	382727	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4		Ethanone, 1-[5-[(5-methyl-2-fura...	204	C12H12O3	052805-85-3	47
5		Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088349.D
Acq On : 24 Jun 2016 23:44
Operator : UM/SJ
Sample : H3598-16 2X
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ALS Vial : 19 Sample Multiplier: 1

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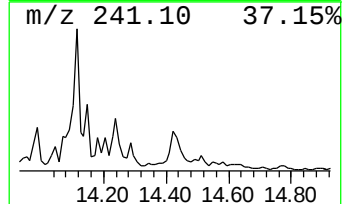
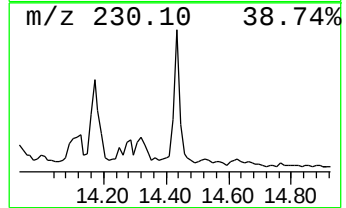
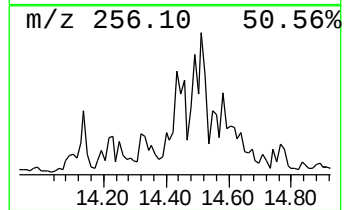
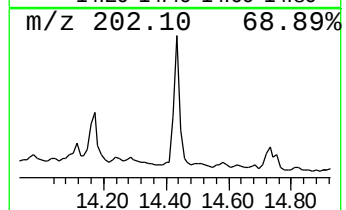
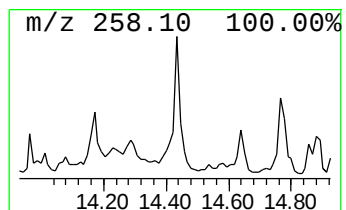
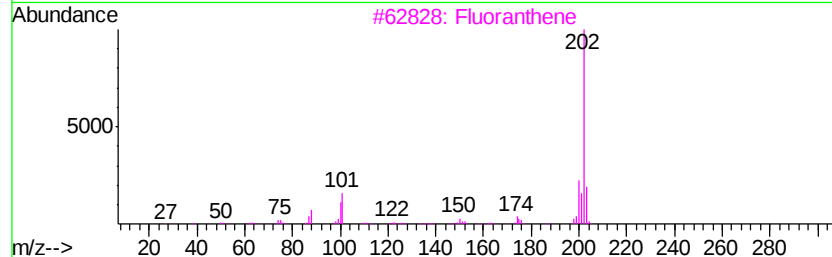
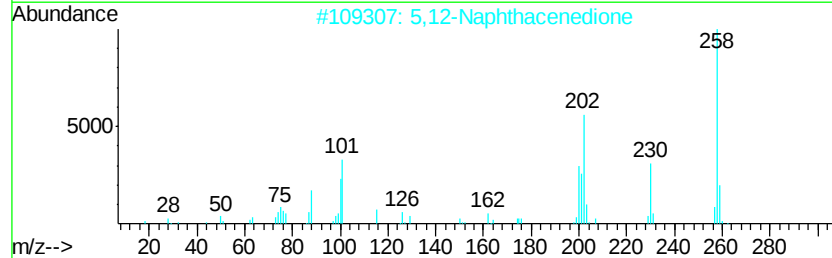
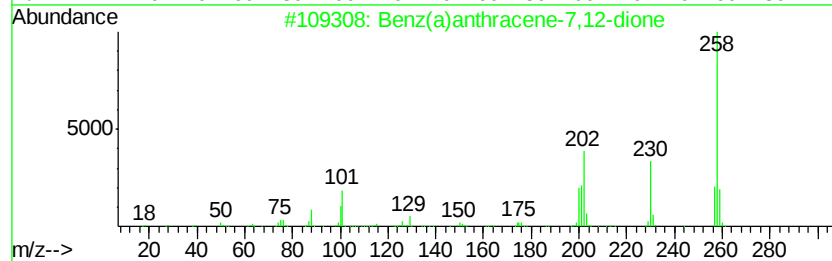
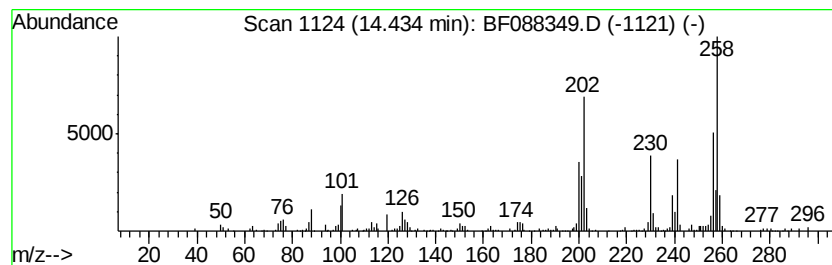
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benz(a)anthracene-7,12-dione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	35.94 ng	660216	Perylene-d12	15.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3		Fluoranthene	202	C16H10	000206-44-0	59
4		4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	56
5		Pyrene	202	C16H10	000129-00-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088349.D
Acq On : 24 Jun 2016 23:44
Operator : UM/SJ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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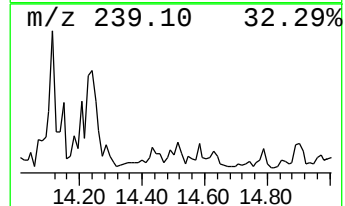
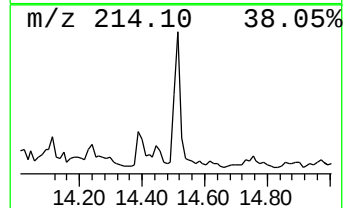
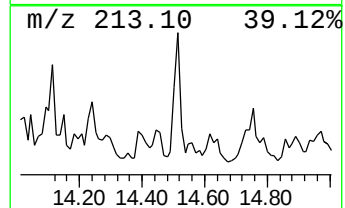
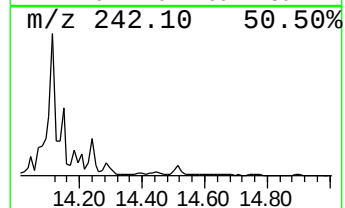
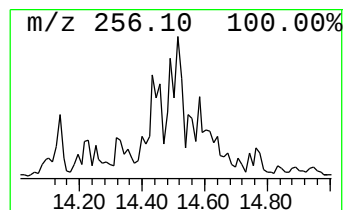
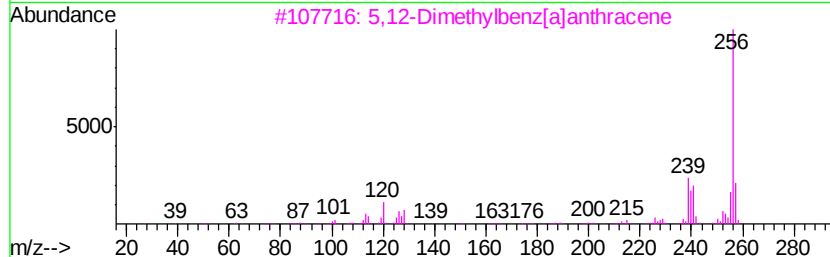
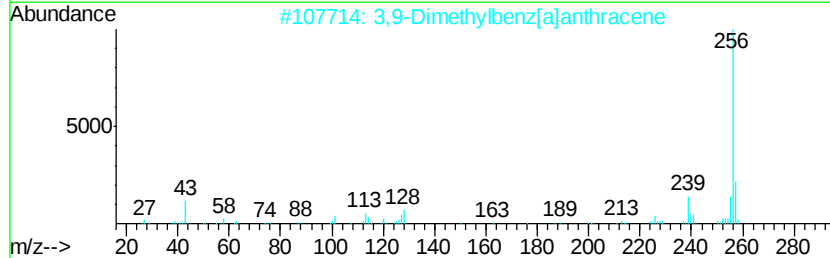
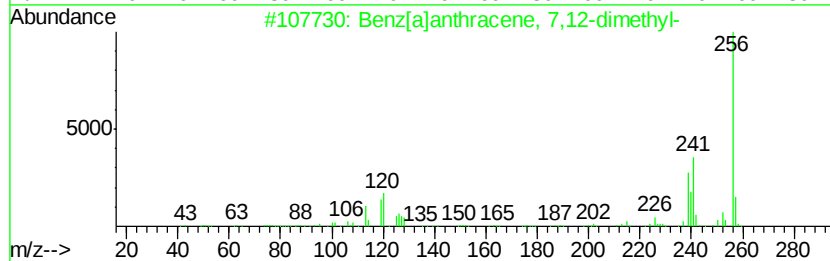
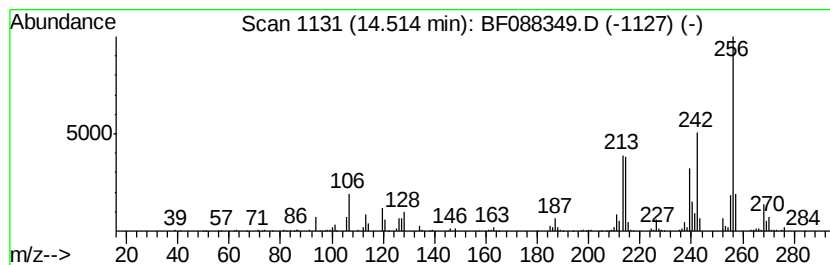
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown14.51 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	27.97 ng	513858	Perylene-d12	15.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	46
2		3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	42
3		5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	41
4		Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	41
5		4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088349.D
Acq On : 24 Jun 2016 23:44
Operator : UM/SJ
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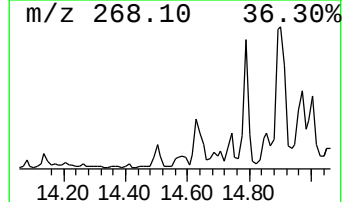
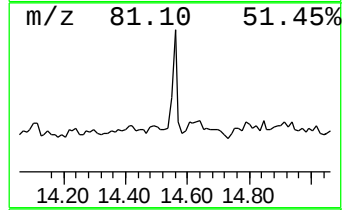
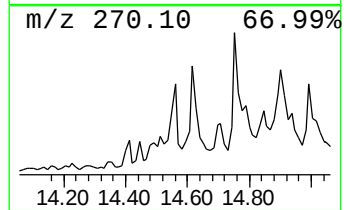
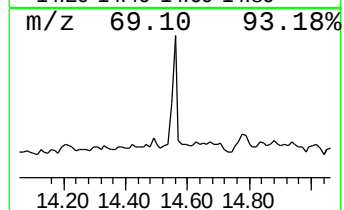
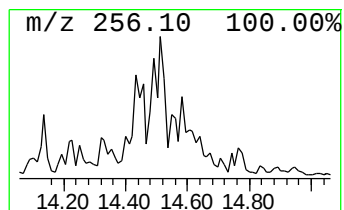
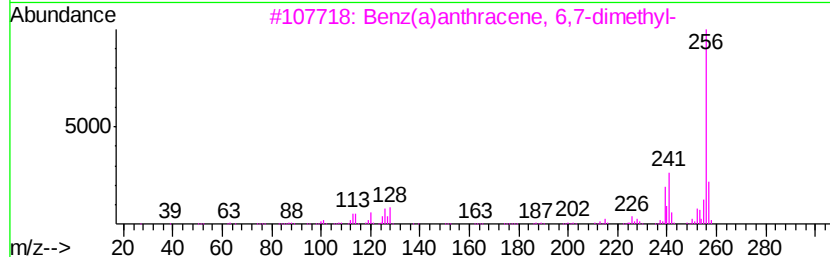
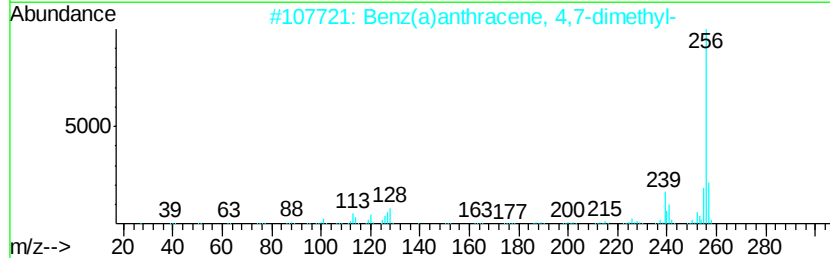
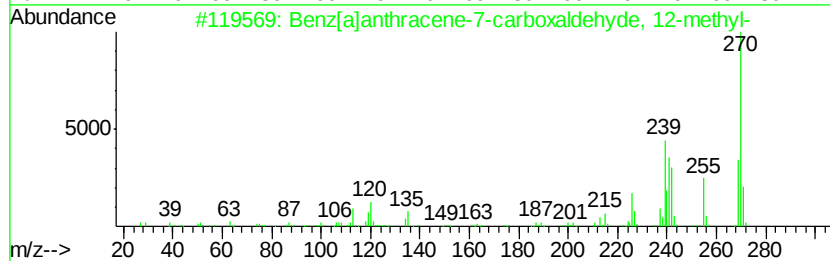
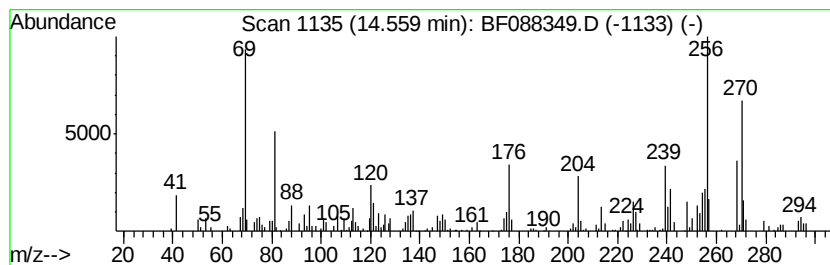
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown14.56 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	11.61 ng	213286	Perylene-d12	15.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene-7-carboxaldehy...	270	C20H14O	013345-61-4	47
2			Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	46
3			Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	42
4			3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	42
5			Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Sample : H3598-16 2X
Misc :
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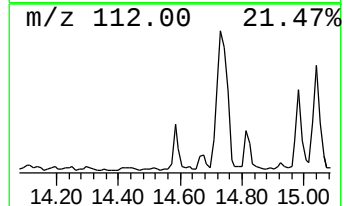
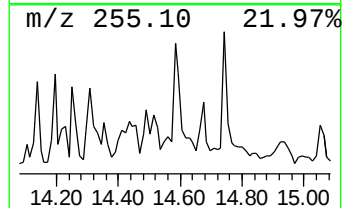
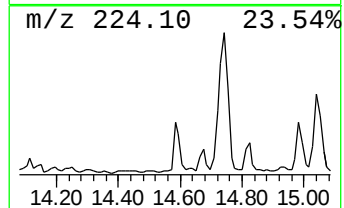
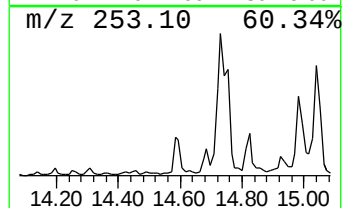
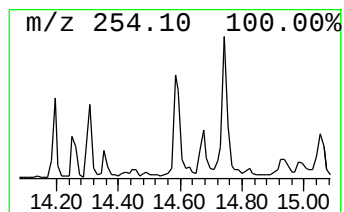
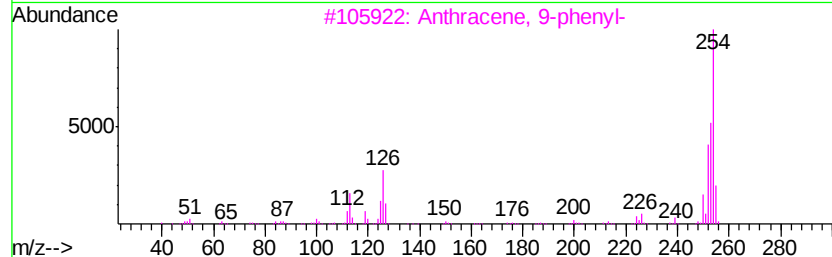
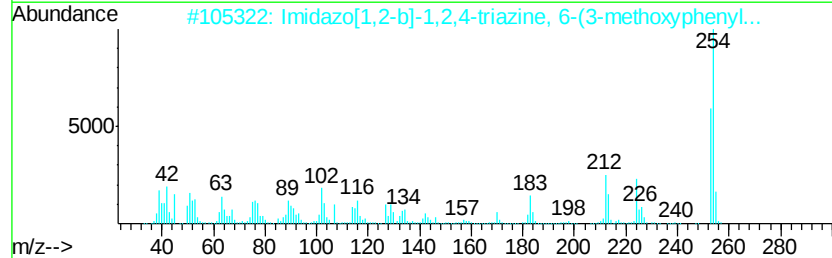
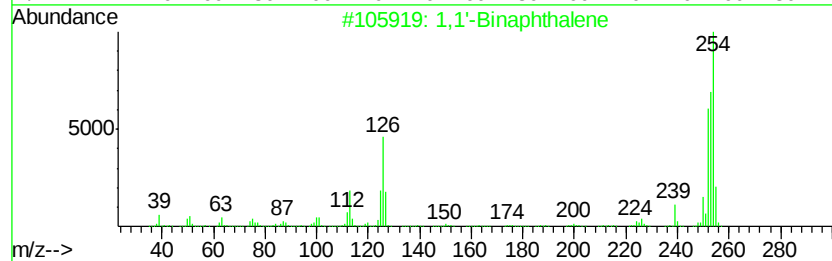
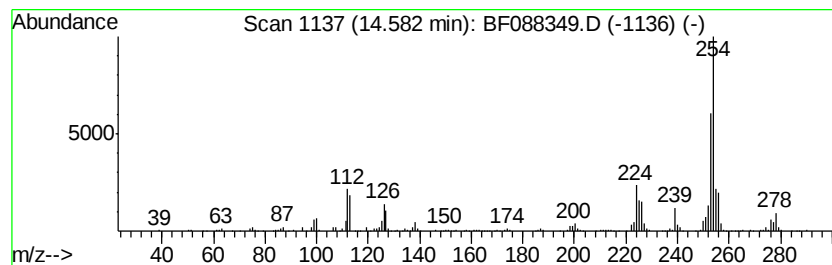
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	27.26 ng	500818	Perylene-d12	15.10
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	53
3	Anthracene, 9-phenyl-	254 C20H14	000602-55-1	52
4	1,2'-Binaphthalene	254 C20H14	004325-74-0	50
5	Benzenamine, 4,4'-methylenebis[N...	254 C17H22N2	000101-61-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Operator : UM/SJ
Sample : H3598-16 2X
Misc :
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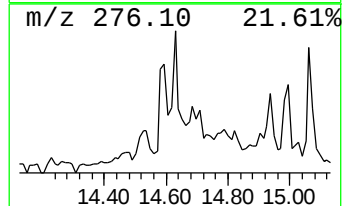
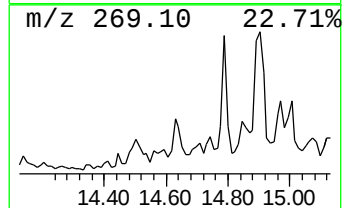
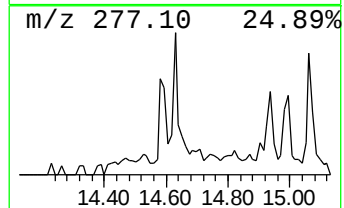
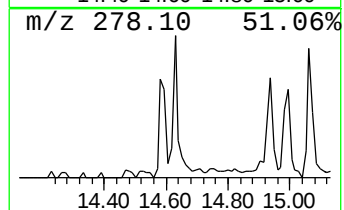
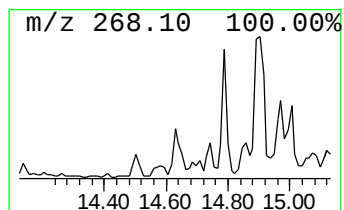
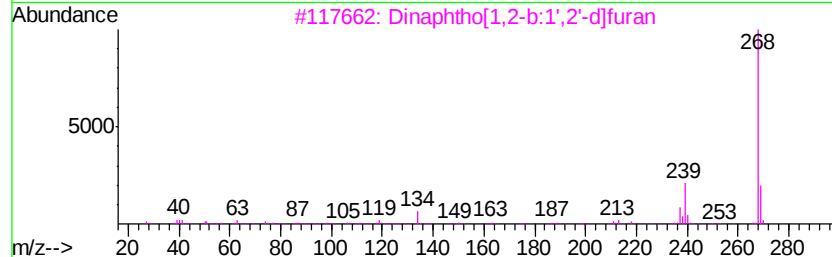
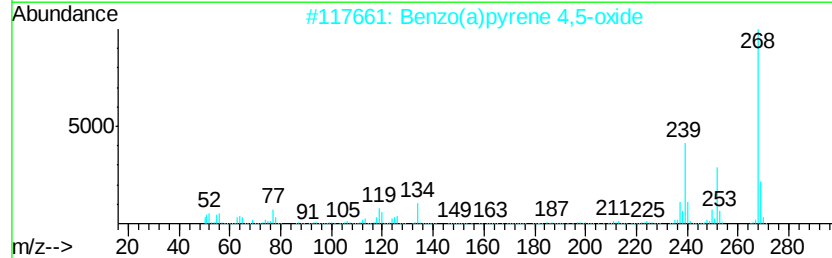
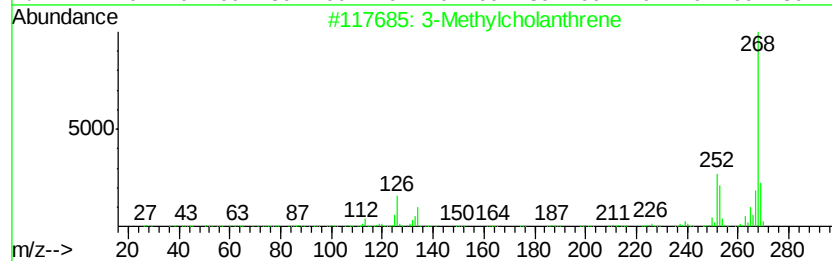
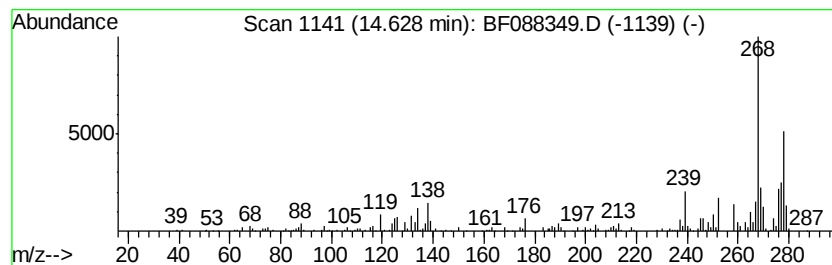
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 3-Methylcholanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.63	17.80 ng	326951	Perylene-d12	15.10		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Methylcholanthrene	268	C21H16	000056-49-5	56
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	55
3		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	50
4		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	43
5		9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088349.D
Acq On : 24 Jun 2016 23:44
Operator : UM/SJ
Sample : H3598-16 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

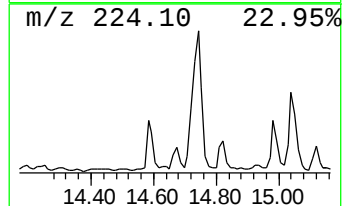
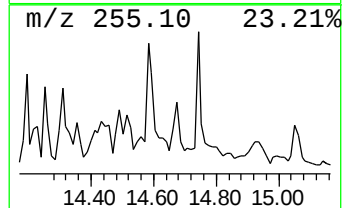
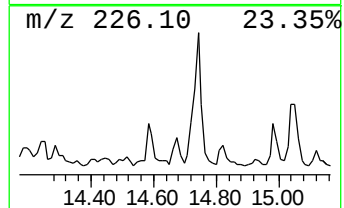
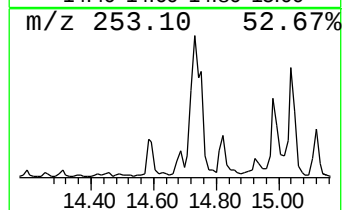
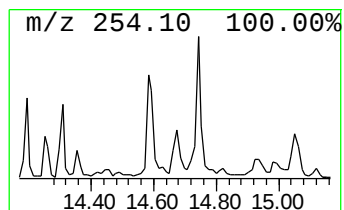
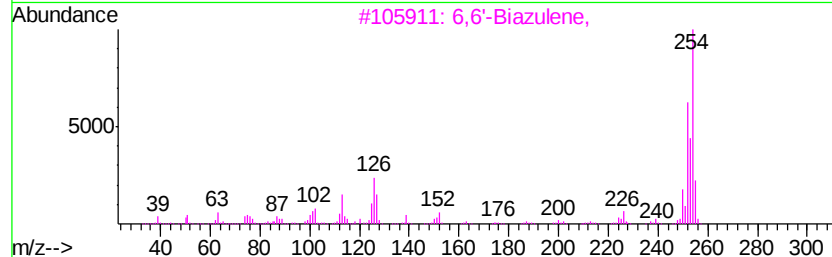
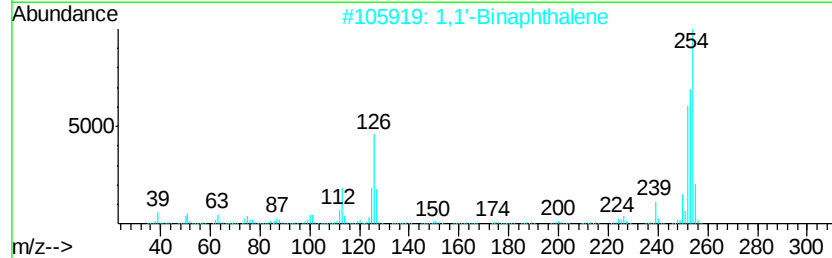
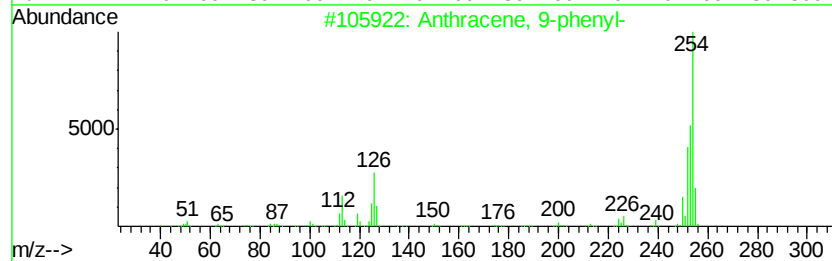
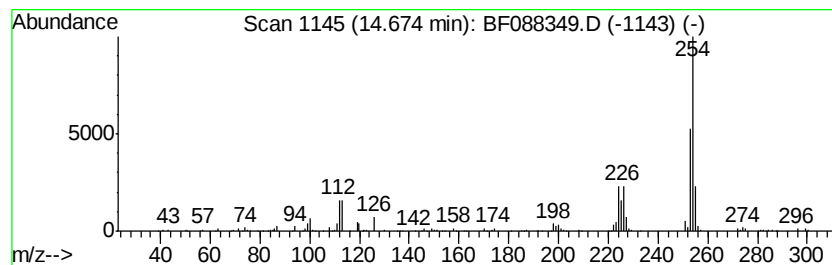
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 9-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	14.35 ng	263530	Perylene-d12	15.10
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Anthracene, 9-phenyl-	254 C20H14	000602-55-1 64
2		1,1'-Binaphthalene	254 C20H14	000604-53-5 64
3		6,6'-Biazulene,	254 C20H14	073393-11-0 59
4		1,2'-Binaphthalene	254 C20H14	004325-74-0 53
5		Benzo[a]pyrene, 4,5-dihydro-	254 C20H14	057652-66-1 53



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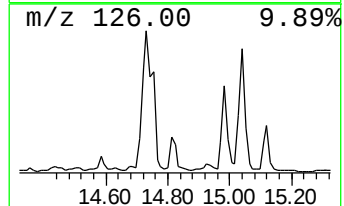
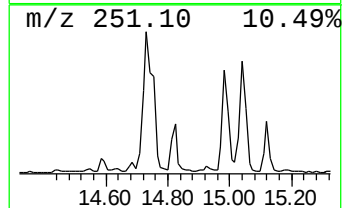
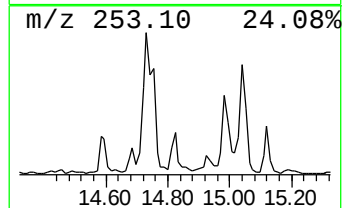
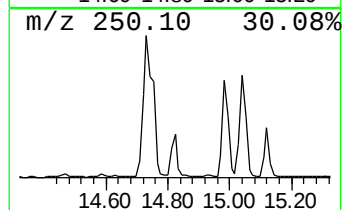
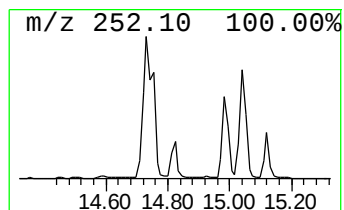
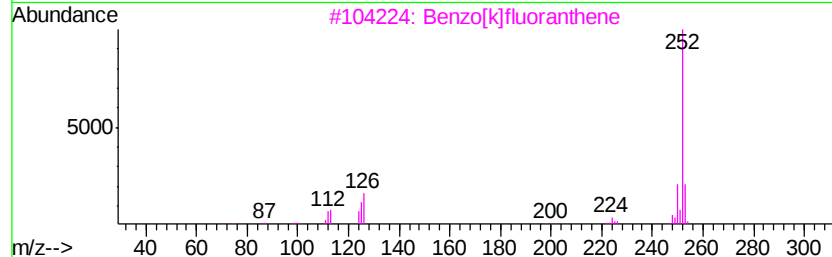
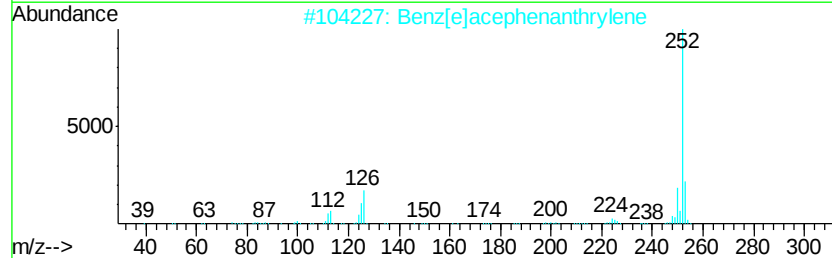
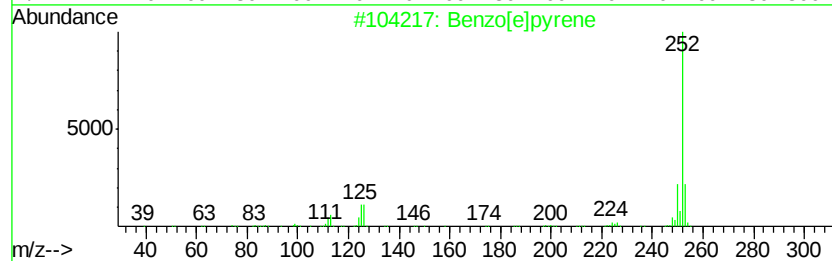
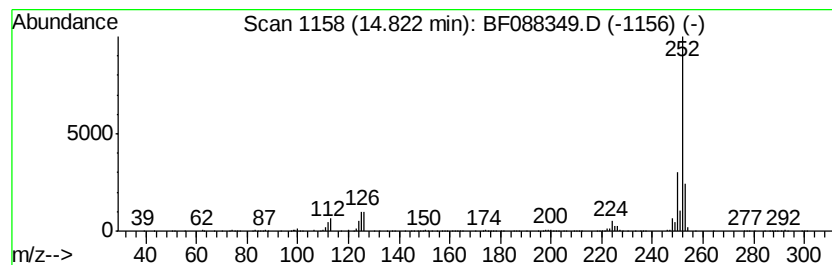
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.82	34.25 ng	629117	Perylene-d12	15.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Sample : H3598-16 2X
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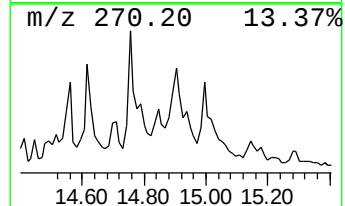
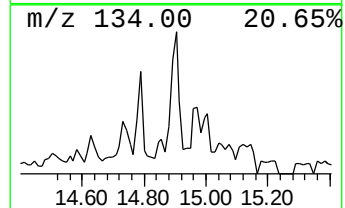
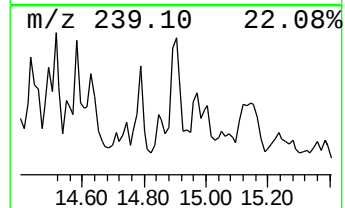
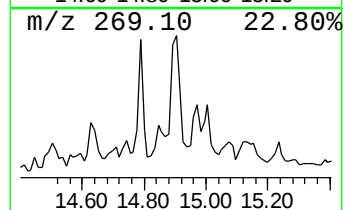
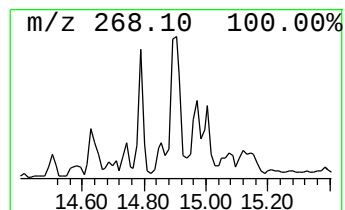
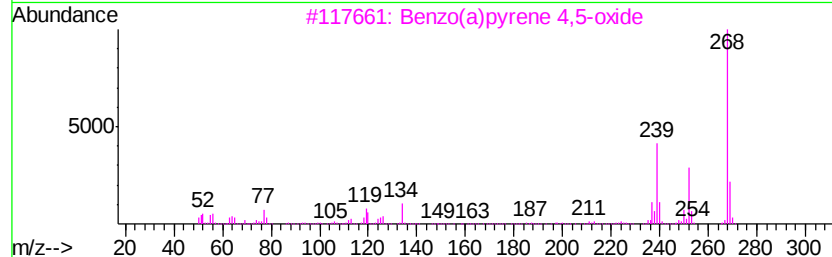
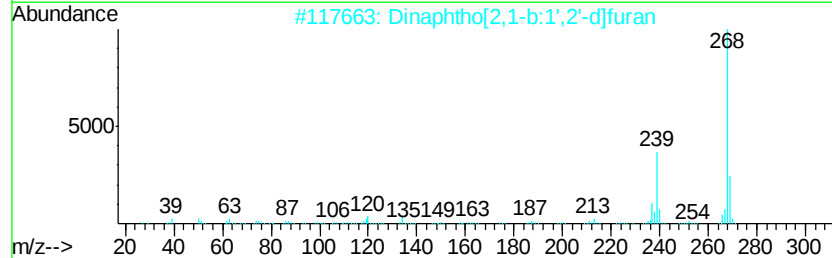
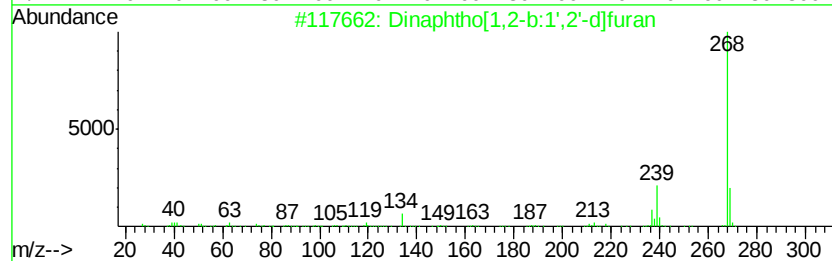
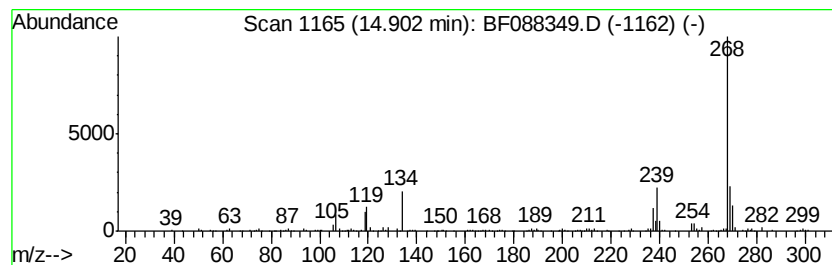
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	16.52 ng	303438	Perylene-d12	15.10
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2 94
2		Dinaphtho[2,1-b:1',2'-d]furan	268 C20H12O	000194-63-8 81
3		Benzo(a)pyrene 4,5-oxide	268 C20H12O	037574-47-3 72
4		Methylhydroquinone, bis(trimethy...	268 C13H24O2Si2	1000352-79-5 64
5		trans-4'-Methyl-4-(methylthio)ch...	268 C17H16OS	126443-27-4 53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088349.D
Acq On : 24 Jun 2016 23:44
Operator : UM/SJ
Sample : H3598-16 2X
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
PM-STA-1393(0-4)

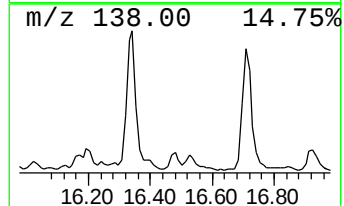
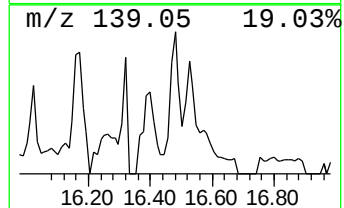
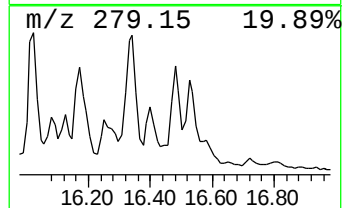
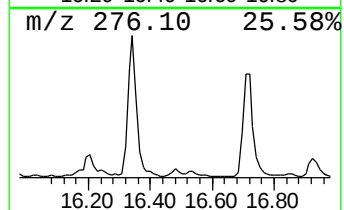
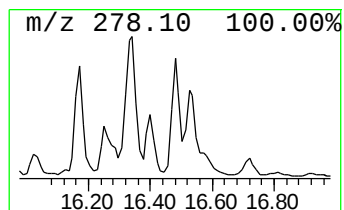
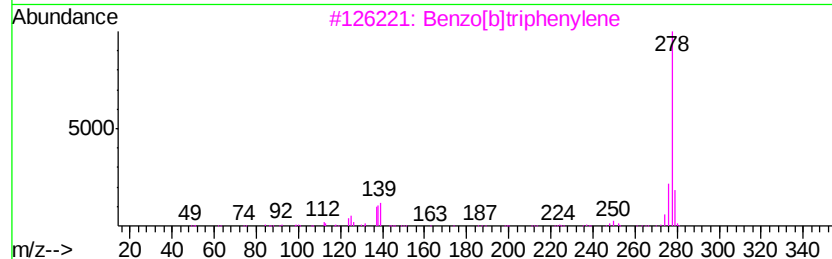
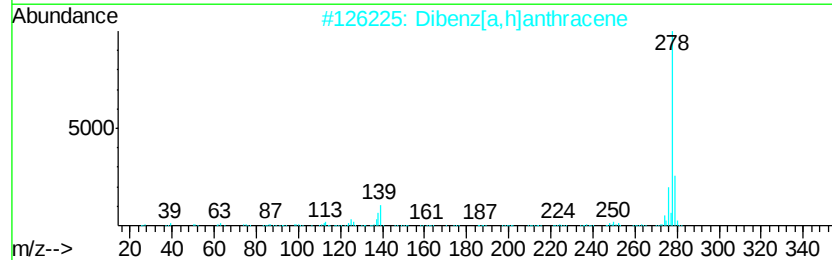
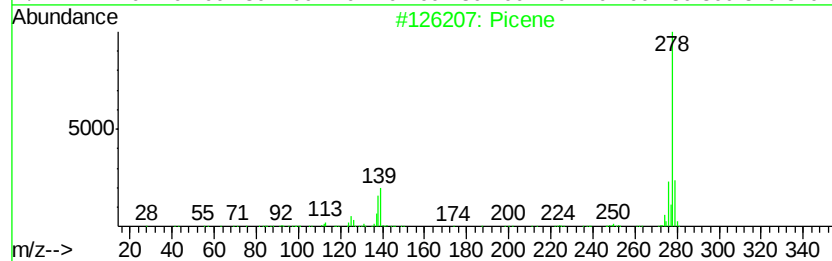
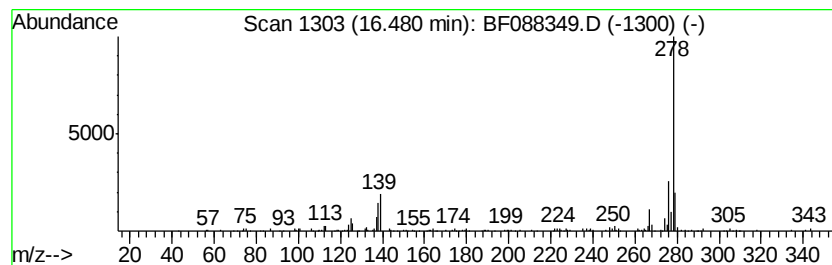
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	12.16 ng	223359	Perylene-d12	15.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	94
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	92
4		Pentacene	278	C22H14	000135-48-8	89
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Operator : UM/SJ
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Instrument :
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ClientSampleId :
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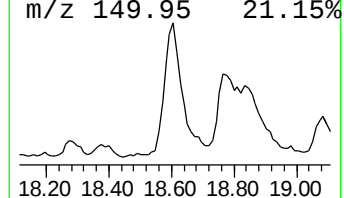
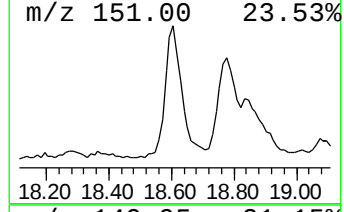
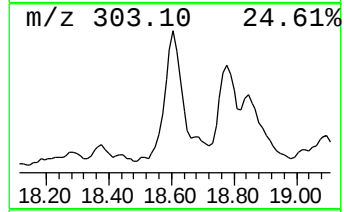
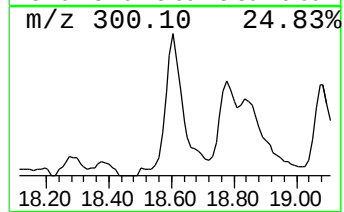
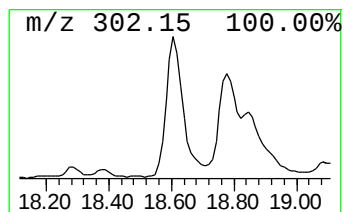
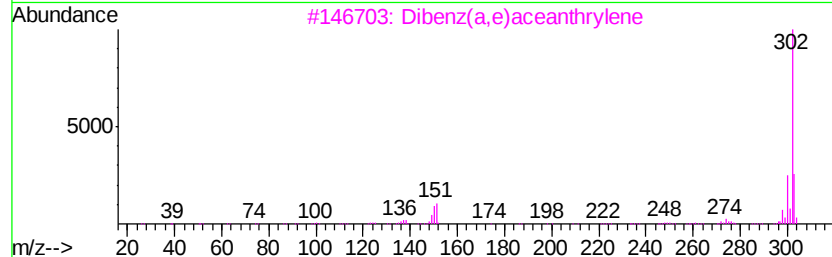
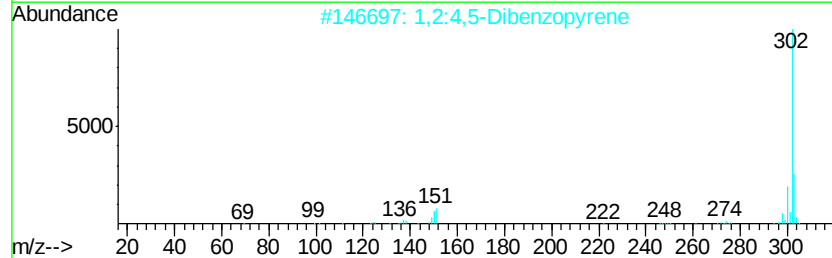
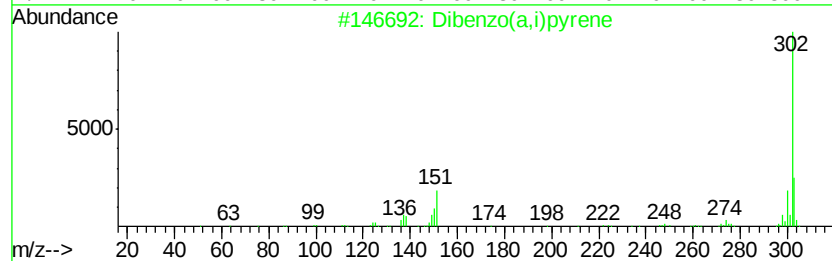
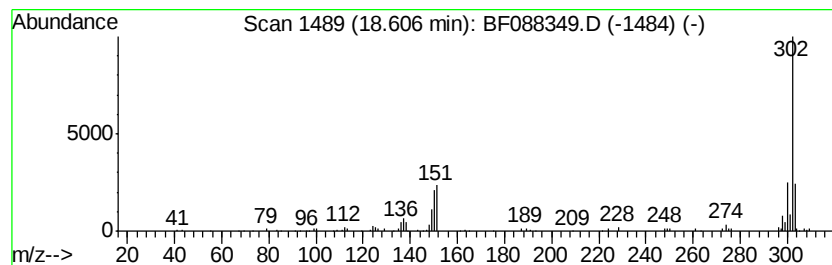
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzo(a,i)pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	16.78 ng	308297	Perylene-d12	15.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	94
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90



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 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 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
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4H-Cyclopenta[def...	11.70	21.7	ng	673142	4	11.10	619697	20.0
Phenanthrene, 2,5...	12.14	16.6	ng	515149	4	11.10	619697	20.0
Phenanthrene, 3,6...	12.17	12.4	ng	384461	4	11.10	619697	20.0
Cyclopenta(def)ph...	12.24	12.4	ng	382727	4	11.10	619697	20.0
Benz(a)anthracene...	14.43	35.9	ng	660216	6	15.10	367395	20.0
unknown14.51	14.51	28.0	ng	513858	6	15.10	367395	20.0
unknown14.56	14.56	11.6	ng	213286	6	15.10	367395	20.0
1,1'-Binaphthalene	14.58	27.3	ng	500818	6	15.10	367395	20.0
3-Methylcholanthrene	14.63	17.8	ng	326951	6	15.10	367395	20.0
Anthracene, 9-phe...	14.67	14.4	ng	263530	6	15.10	367395	20.0
Benzo[e]pyrene	14.82	34.3	ng	629117	6	15.10	367395	20.0
Dinaphtho[1,2-b:1...	14.90	16.5	ng	303438	6	15.10	367395	20.0
Picene	16.48	12.2	ng	223359	6	15.10	367395	20.0
Dibenzo(a,i)pyrene	18.61	16.8	ng	308297	6	15.10	367395	20.0