

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078509.D
 Acq On : 14 Apr 2015 19:59
 Operator : TP/IZ
 Sample : G1828-05 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03A

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	1.598	34	36	55	rVB	713962	1729564	35.93%	3.491%
2	5.061	336	339	345	rBV	45702	65542	1.36%	0.132%
3	6.410	455	457	461	rBV	74068	77067	1.60%	0.156%
4	6.524	464	467	469	rBV	56949	80435	1.67%	0.162%
5	6.799	489	491	494	rBV	93205	103094	2.14%	0.208%
6	8.376	627	629	631	rBV	112452	160857	3.34%	0.325%
7	9.725	745	747	750	rVB	66752	82292	1.71%	0.166%
8	10.536	816	818	820	rBV	187798	198131	4.12%	0.400%
9	10.582	820	822	824	rVB	461950	448379	9.31%	0.905%
10	10.799	838	841	843	rBV	110679	130942	2.72%	0.264%
11	11.211	875	877	880	rVB	314483	407369	8.46%	0.822%
12	11.325	885	887	888	rVV	65608	64662	1.34%	0.130%
13	11.416	893	895	899	rVB	73705	73813	1.53%	0.149%
14	11.519	901	904	906	rBV	111598	148238	3.08%	0.299%
15	11.748	922	924	927	rVB	102440	111700	2.32%	0.225%
16	12.205	961	964	965	rBV	203493	285735	5.94%	0.577%
17	12.239	965	967	969	rVB	179587	214297	4.45%	0.432%
18	12.365	976	978	979	rBV	198357	240070	4.99%	0.484%
19	12.399	979	981	983	rVV	2373587	3345739	69.51%	6.752%
20	12.457	983	986	988	rVV	633666	643097	13.36%	1.298%
21	12.502	988	990	993	rVB	57609	71137	1.48%	0.144%
22	12.674	1003	1005	1007	rBV	179800	173130	3.60%	0.349%
23	12.754	1010	1012	1013	rBV	61579	62156	1.29%	0.125%
24	12.994	1030	1033	1034	rVV	223259	244671	5.08%	0.494%
25	13.028	1034	1036	1038	rVV	270812	312297	6.49%	0.630%
26	13.085	1038	1041	1042	rVV	97492	110705	2.30%	0.223%
27	13.119	1042	1044	1046	rVV	731130	778513	16.17%	1.571%
28	13.154	1046	1047	1049	rVV	140179	110992	2.31%	0.224%
29	13.279	1051	1058	1060	rBV5	23236	72987	1.52%	0.147%
30	13.371	1064	1066	1070	rVB2	231943	326779	6.79%	0.659%
31	13.542	1078	1081	1083	rBV	48963	61116	1.27%	0.123%
32	13.679	1090	1093	1094	rBV	45195	74178	1.54%	0.150%
33	13.714	1094	1096	1098	rVV	60875	84997	1.77%	0.172%
34	13.805	1100	1104	1106	rVB2	42823	108024	2.24%	0.218%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078509.D
 Acq On : 14 Apr 2015 19:59
 Operator : TP/IZ
 Sample : G1828-05 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03A

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

35	13.874	1106	1110	1113	rBV	3292629	4813520	100.00%	9.714%
36	13.942	1114	1116	1118	rVB2	56493	67121	1.39%	0.135%
37	14.034	1122	1124	1127	rBV	180519	223028	4.63%	0.450%
38	14.148	1130	1134	1136	rBV2	3049898	4725271	98.17%	9.536%
39	14.205	1137	1139	1141	rVV	125479	136817	2.84%	0.276%
40	14.297	1144	1147	1148	rBV	214796	216753	4.50%	0.437%
41	14.331	1148	1150	1151	rVV	136946	156817	3.26%	0.316%
42	14.422	1154	1158	1160	rBV2	140086	275839	5.73%	0.557%
43	14.457	1160	1161	1163	rVB	89168	66564	1.38%	0.134%
44	14.548	1167	1169	1172	rVB	472752	694772	14.43%	1.402%
45	14.640	1174	1177	1178	rBV	618928	691046	14.36%	1.395%
46	14.674	1178	1180	1182	rVV2	240618	332593	6.91%	0.671%
47	14.708	1182	1183	1185	rVV	173353	149403	3.10%	0.302%
48	14.788	1188	1190	1191	rVV	104728	119320	2.48%	0.241%
49	14.822	1191	1193	1196	rVV	139436	160742	3.34%	0.324%
50	15.005	1207	1209	1210	rBV	67585	90527	1.88%	0.183%
51	15.085	1214	1216	1219	rVB	175470	207016	4.30%	0.418%
52	15.154	1219	1222	1228	rVB4	73829	201057	4.18%	0.406%
53	15.314	1233	1236	1238	rBV	266599	312969	6.50%	0.632%
54	15.371	1238	1241	1243	rVV2	246964	563390	11.70%	1.137%
55	15.405	1243	1244	1247	rVV2	239494	269695	5.60%	0.544%
56	15.531	1251	1255	1258	rBV	109617	206123	4.28%	0.416%
57	15.634	1258	1264	1265	rBV	1570376	2321800	48.23%	4.686%
58	15.680	1265	1268	1273	rVB2	1625269	2520718	52.37%	5.087%
59	15.771	1273	1276	1278	rBV	500381	612506	12.72%	1.236%
60	15.897	1285	1287	1290	rVB	206502	309354	6.43%	0.624%
61	15.943	1290	1291	1298	rVB2	157167	279347	5.80%	0.564%
62	16.057	1298	1301	1302	rBV	49547	75403	1.57%	0.152%
63	16.103	1302	1305	1306	rVB2	50451	82679	1.72%	0.167%
64	16.148	1306	1309	1311	rBV	196630	285638	5.93%	0.576%
65	16.194	1311	1313	1315	rVV2	98366	127187	2.64%	0.257%
66	16.263	1315	1319	1321	rVV2	143090	277734	5.77%	0.561%
67	16.297	1321	1322	1323	rVV	133594	170899	3.55%	0.345%
68	16.331	1323	1325	1327	rVV2	241236	310967	6.46%	0.628%
69	16.365	1327	1328	1331	rVV2	77054	108557	2.26%	0.219%
70	16.423	1331	1333	1337	rVB2	88633	141635	2.94%	0.286%
71	16.560	1342	1345	1347	rBV3	59492	151619	3.15%	0.306%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078509.D
 Acq On : 14 Apr 2015 19:59
 Operator : TP/IZ
 Sample : G1828-05 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03A

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

72	16.777	1362	1364	1366	rBV	74431	129799	2.70%	0.262%
73	16.823	1366	1368	1372	rVV2	79362	119654	2.49%	0.241%
74	16.983	1377	1382	1387	rVV	1360575	3559847	73.96%	7.184%
75	17.086	1387	1391	1393	rVB2	273531	396884	8.25%	0.801%
76	17.131	1393	1395	1397	rBV2	49957	71406	1.48%	0.144%
77	17.211	1399	1402	1404	rVV2	78692	205897	4.28%	0.416%
78	17.303	1407	1410	1413	rVV	916516	1419992	29.50%	2.866%
79	17.371	1413	1416	1419	rVV	1317333	1922964	39.95%	3.881%
80	17.428	1419	1421	1422	rVV	259805	336672	6.99%	0.679%
81	17.463	1422	1424	1428	rVV	552376	733499	15.24%	1.480%
82	17.554	1430	1432	1434	rVB2	54189	84606	1.76%	0.171%
83	17.646	1434	1440	1445	rBV2	134850	571046	11.86%	1.152%
84	17.726	1445	1447	1451	rBV2	52435	139540	2.90%	0.282%
85	17.863	1456	1459	1461	rBV	34994	71804	1.49%	0.145%
86	17.954	1464	1467	1470	rVB	143439	209370	4.35%	0.423%
87	18.080	1476	1478	1481	rVB2	61090	85427	1.77%	0.172%
88	18.366	1500	1503	1506	rVB2	44442	107799	2.24%	0.218%
89	18.571	1517	1521	1524	rBV3	202698	435846	9.05%	0.880%
90	18.720	1528	1534	1538	rVV2	759868	1583506	32.90%	3.196%
91	18.789	1538	1540	1543	rVB2	51666	89207	1.85%	0.180%
92	18.857	1543	1546	1548	rBV	144360	270903	5.63%	0.547%
93	18.903	1548	1550	1553	rVB3	104665	201446	4.19%	0.407%
94	19.074	1560	1565	1568	rBV	641491	1353644	28.12%	2.732%
95	19.246	1577	1580	1588	rVB	270165	642219	13.34%	1.296%
96	19.600	1608	1611	1614	rBV	42051	84881	1.76%	0.171%
97	19.669	1614	1617	1623	rVB2	38862	100298	2.08%	0.202%
98	19.989	1641	1645	1650	rVB4	28495	101780	2.11%	0.205%
99	20.834	1714	1719	1725	rVB	141292	461752	9.59%	0.932%
100	20.983	1726	1732	1735	rBV	120735	399296	8.30%	0.806%

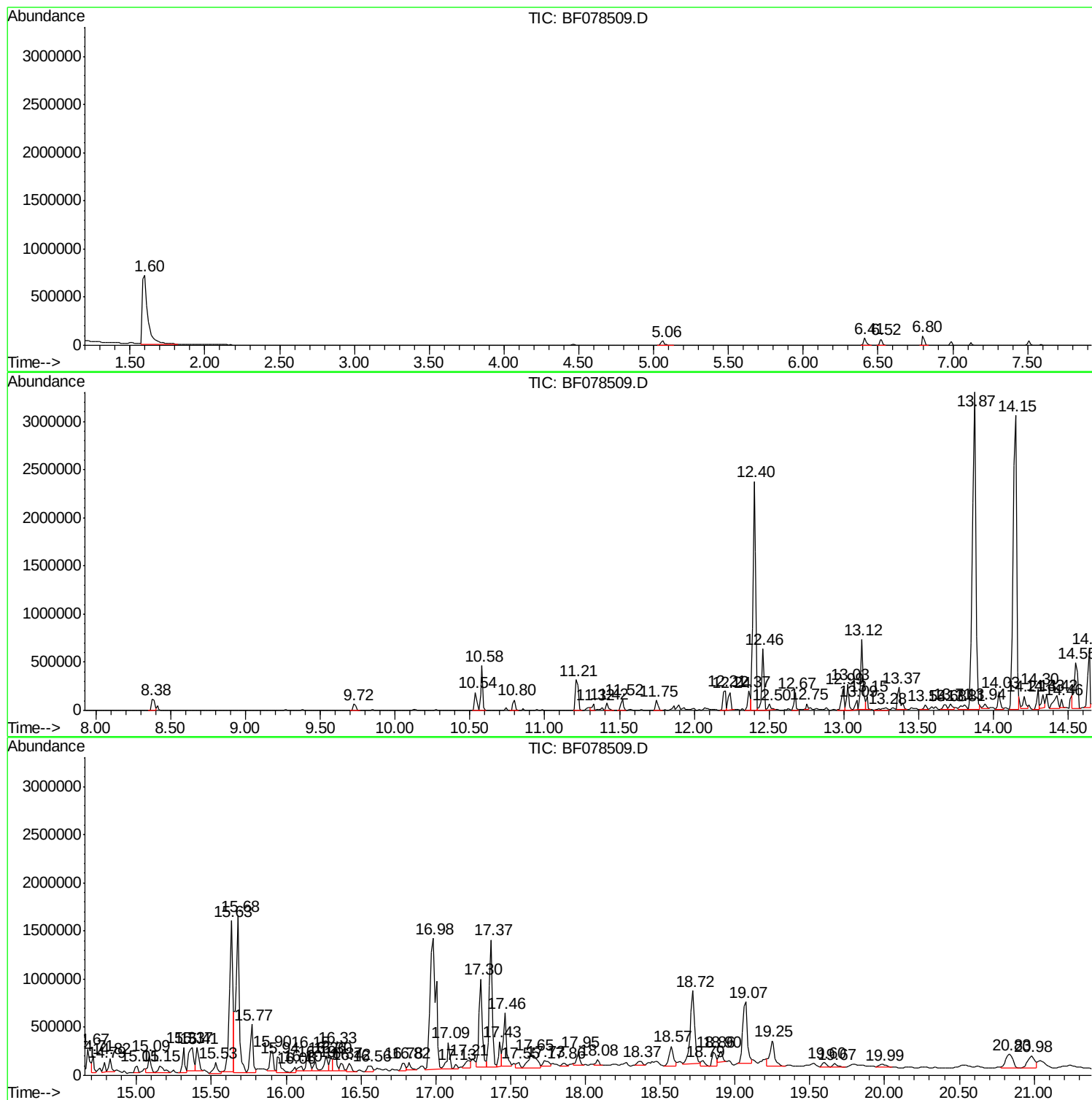
Sum of corrected areas: 49550115

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
HS-SB03A

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

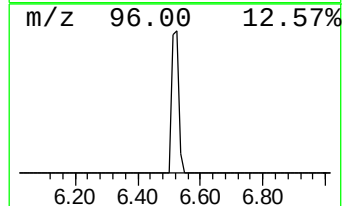
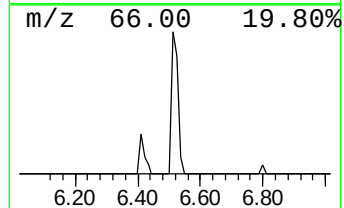
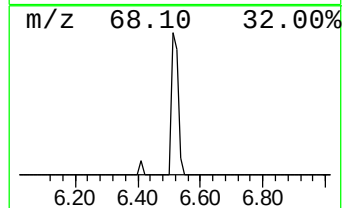
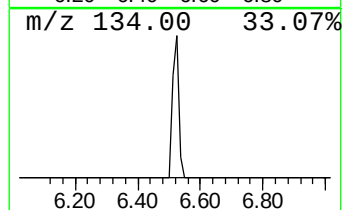
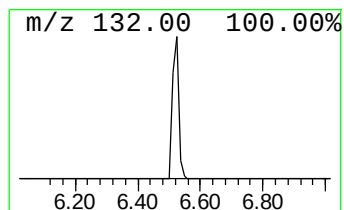
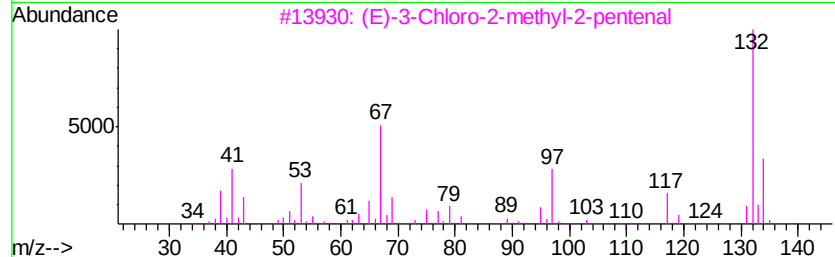
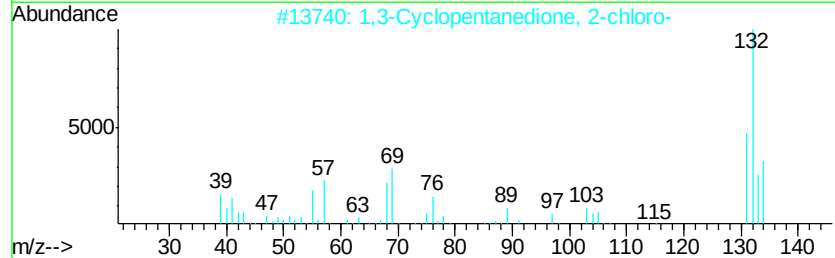
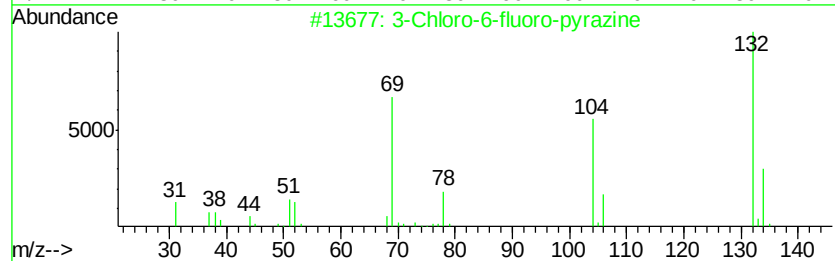
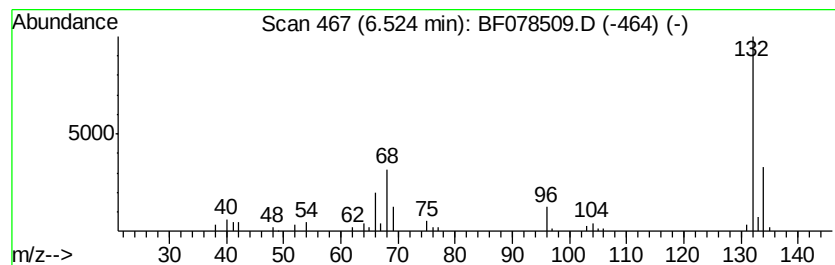
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.52 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	15.60 ng	80435	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

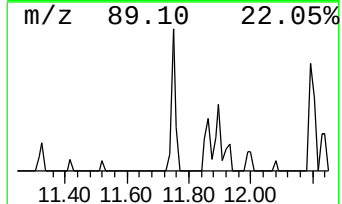
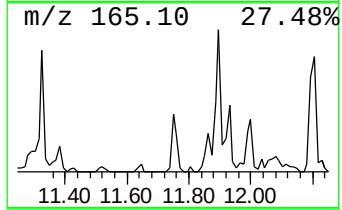
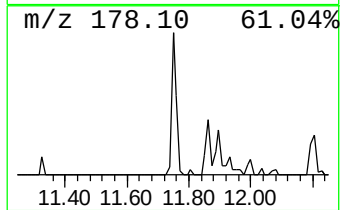
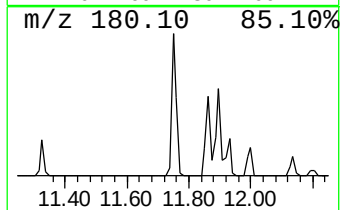
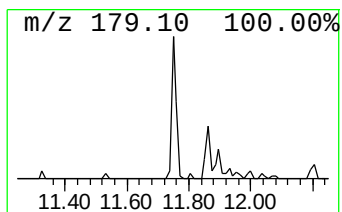
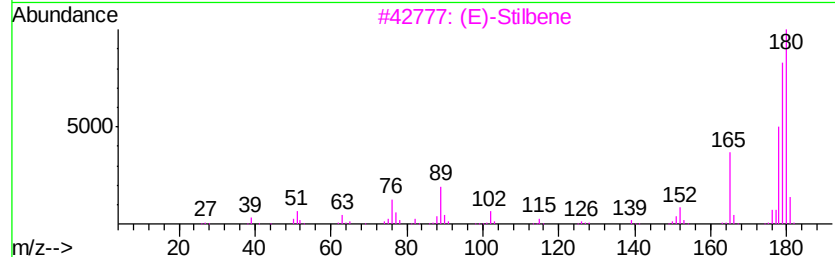
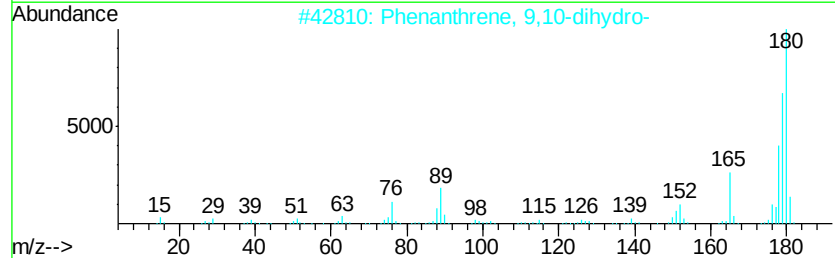
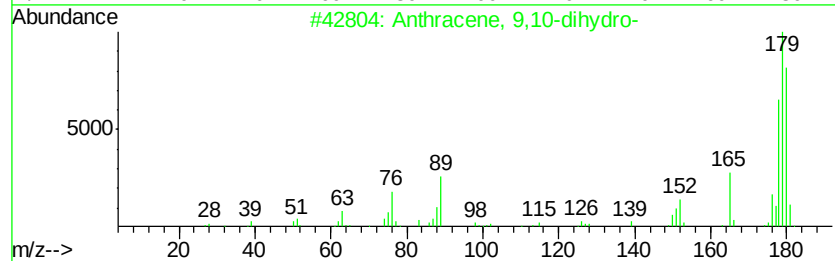
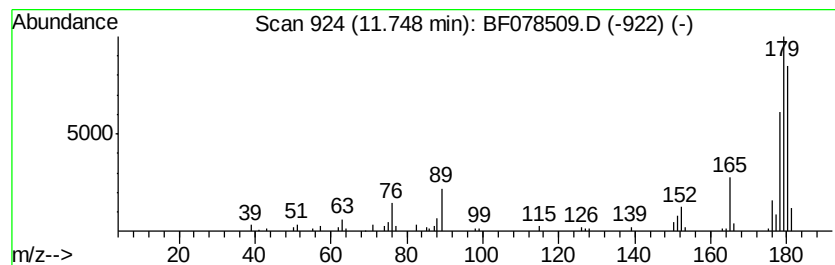
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Anthracene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	9.31 ng	111700	Phenanthrene-d10	12.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2		Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	92
3		(E)-Stilbene	180	C14H12	000103-30-0	87
4		1,2-Diphenylethylene	180	C14H12	000588-59-0	76
5		cis-Stilbene	180	C14H12	000645-49-8	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

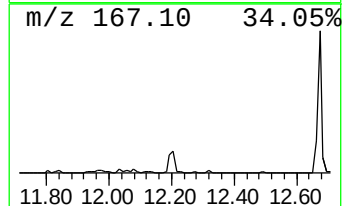
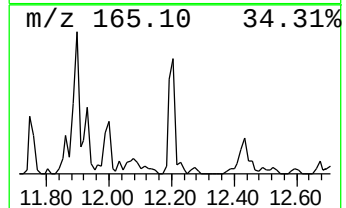
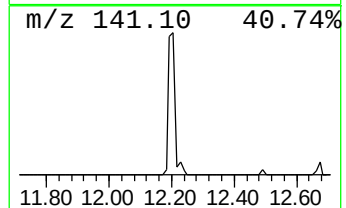
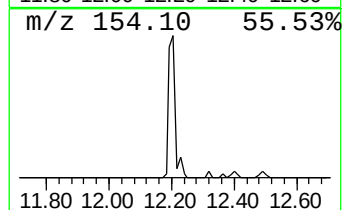
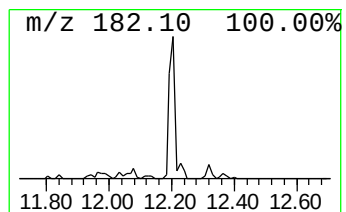
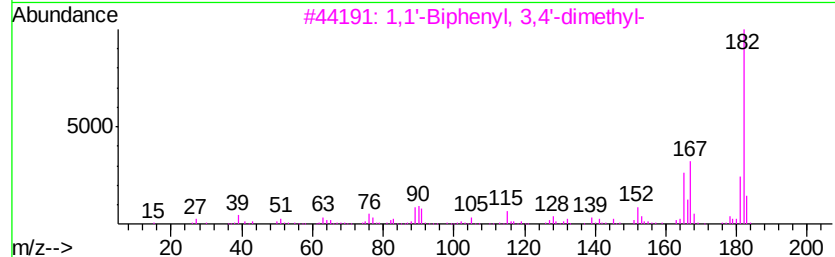
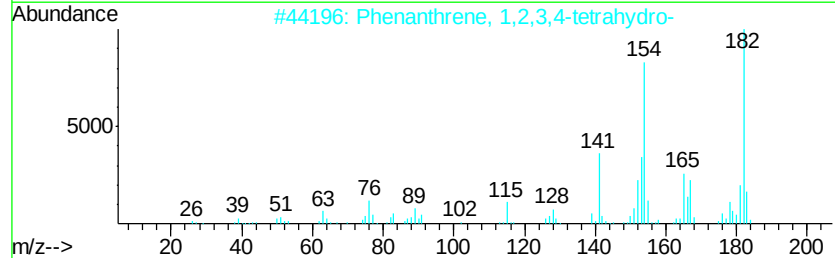
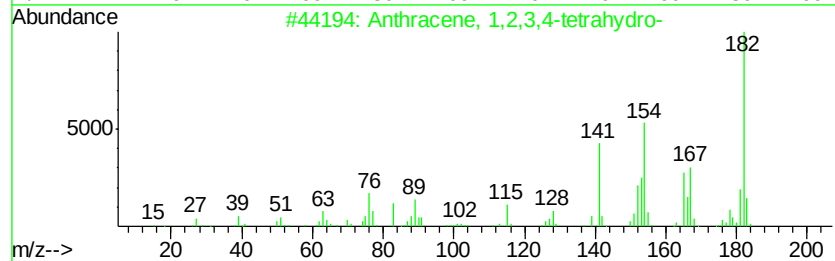
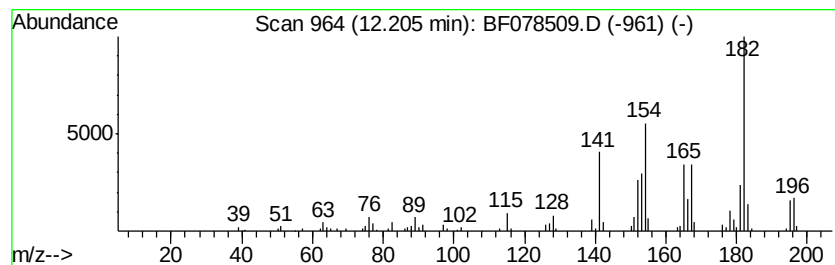
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	23.80 ng	285735	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
3		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55
4		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
5		Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

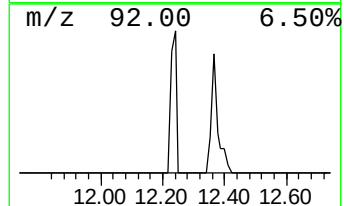
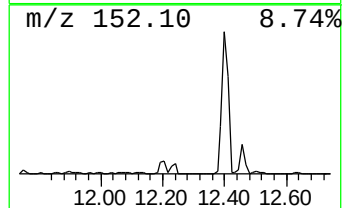
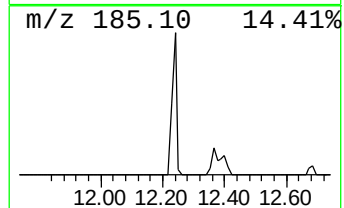
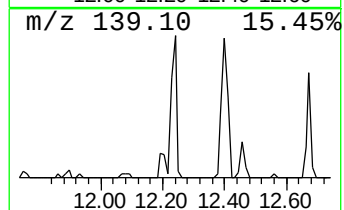
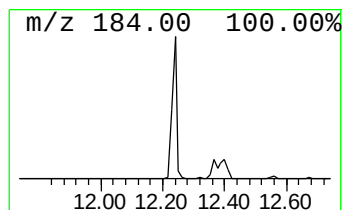
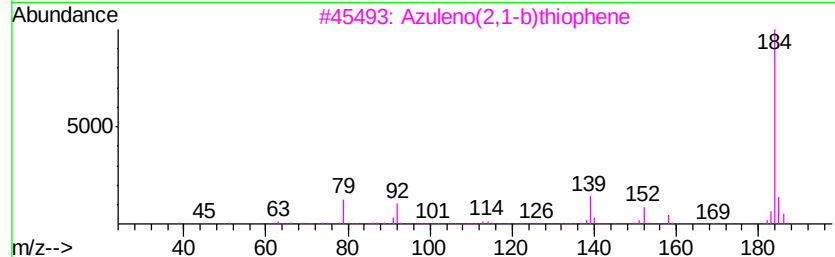
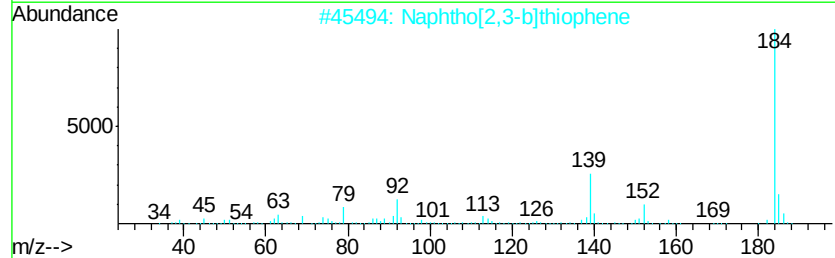
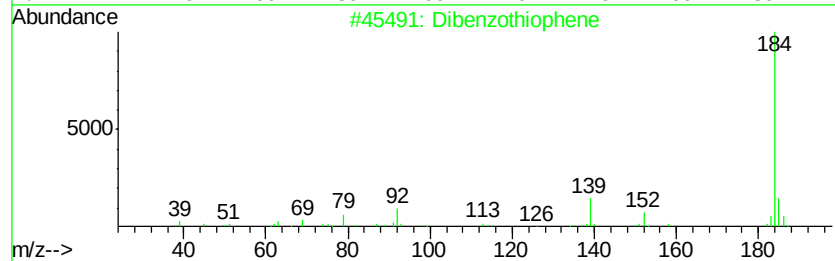
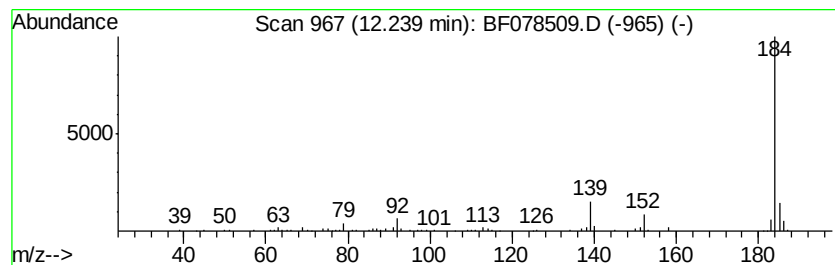
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	17.85 ng	214297	Phenanthrene-d10	12.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	56



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

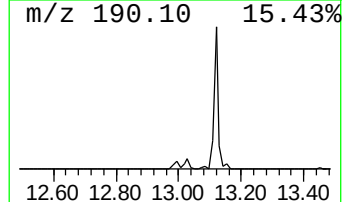
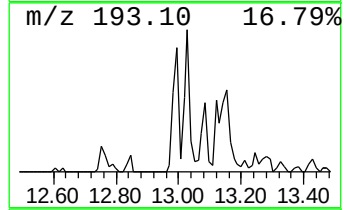
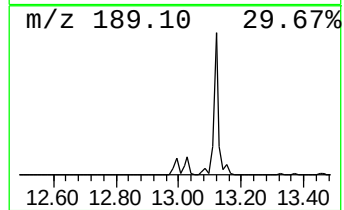
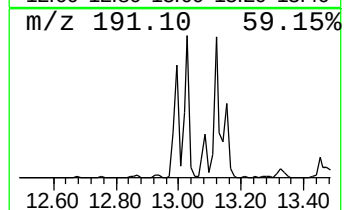
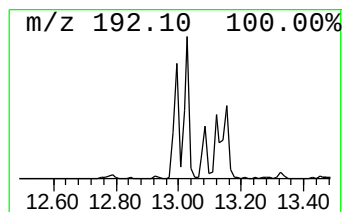
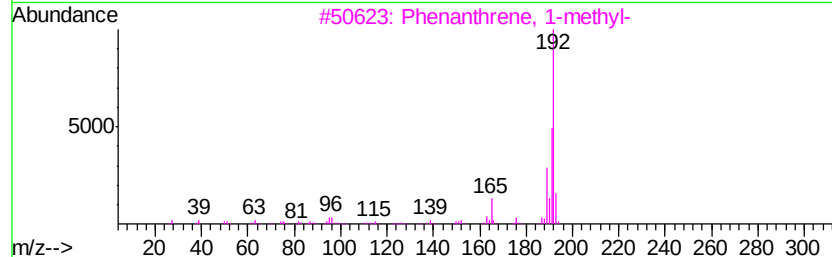
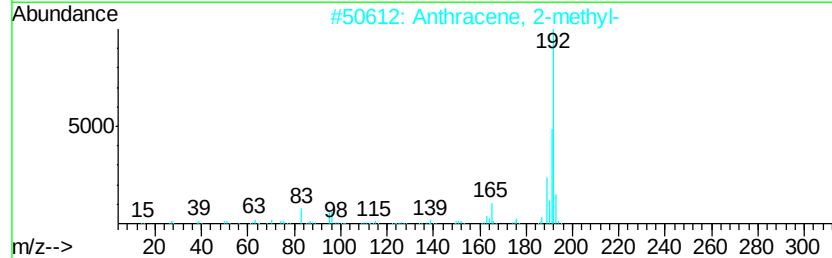
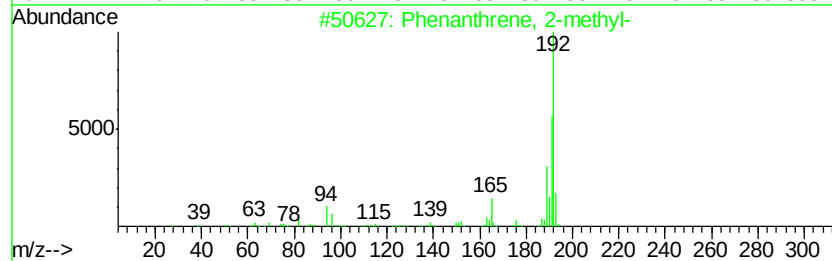
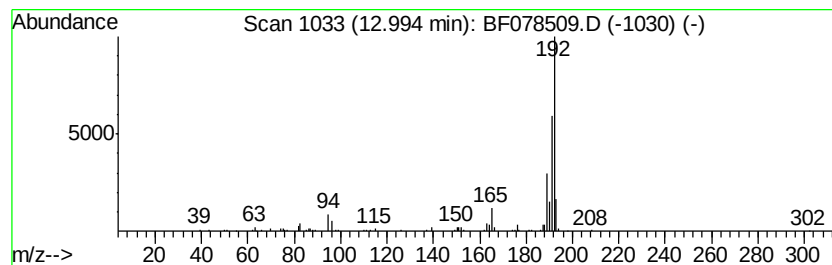
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	20.38 ng	244671	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

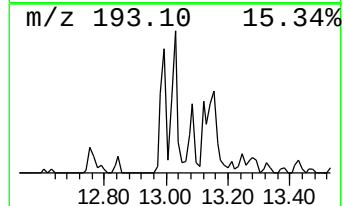
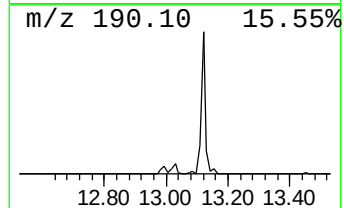
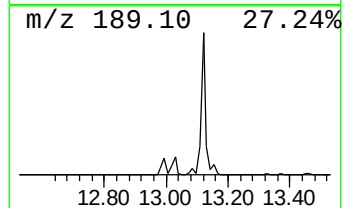
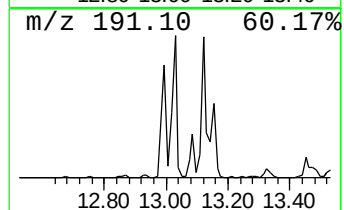
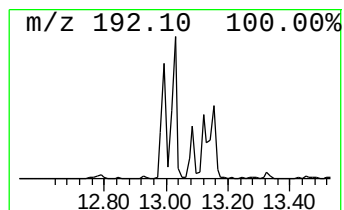
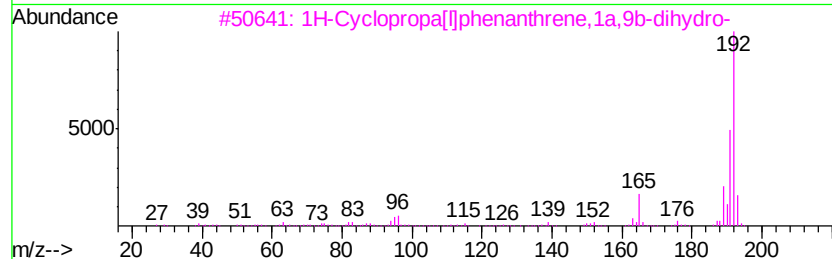
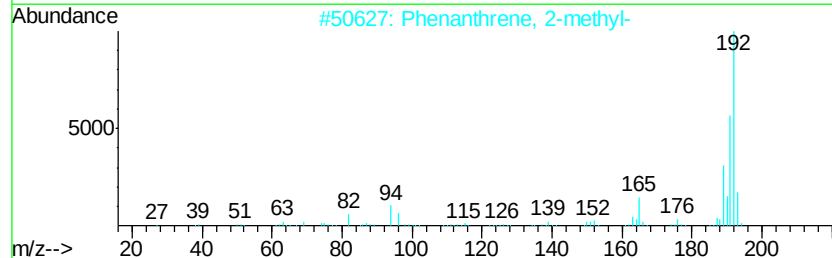
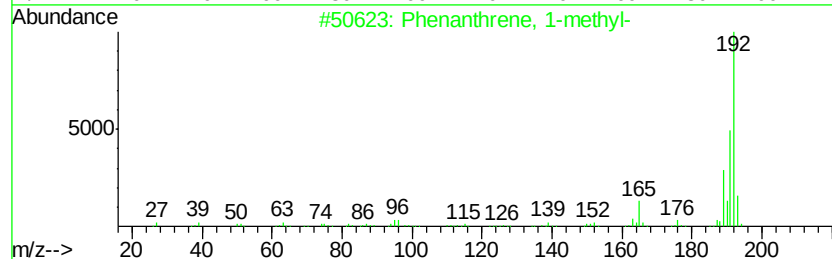
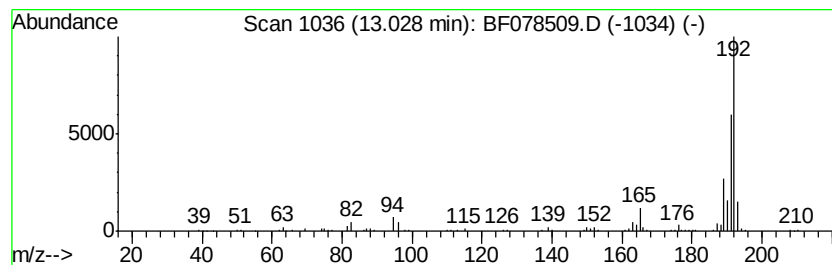
Instrument :
BNA_F
ClientSampleId :
HS-SB03A

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 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.03	26.02 ng	312297	Phenanthrene-d10	12.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

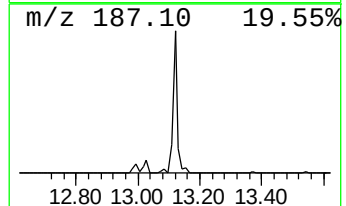
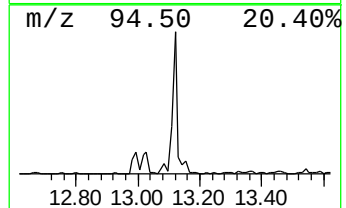
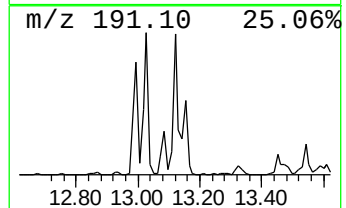
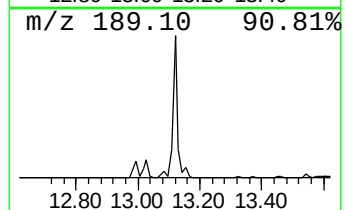
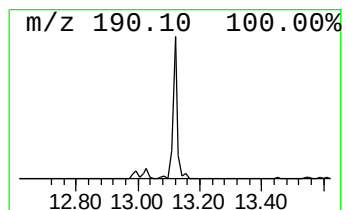
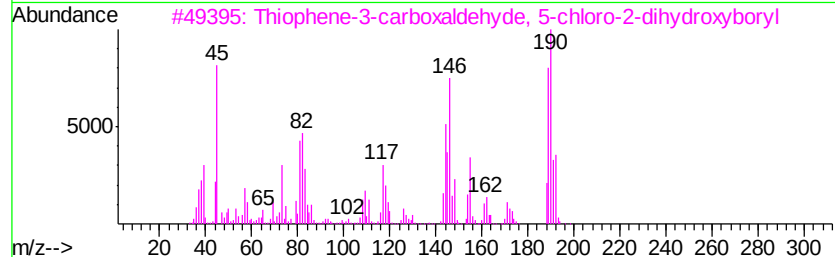
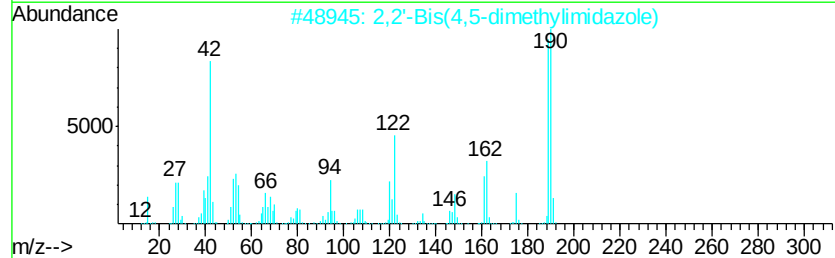
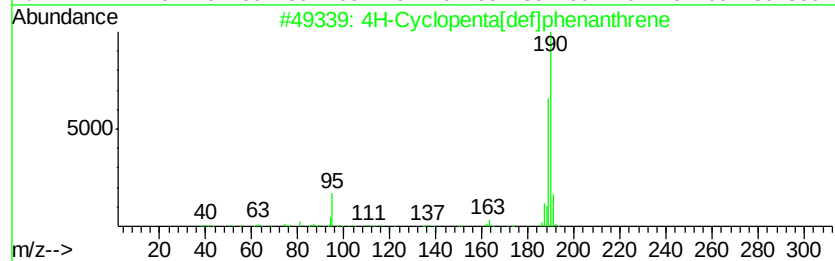
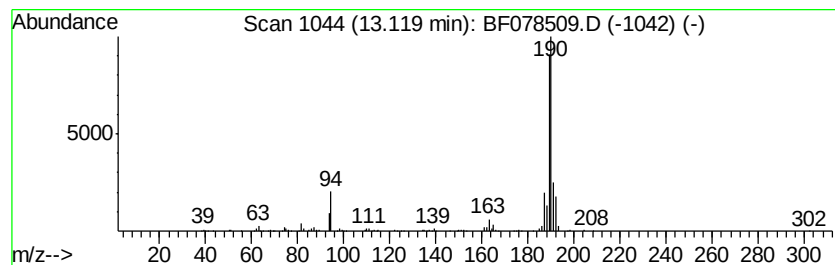
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	64.86 ng	778513	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
4		Methyl diselenide	190	C2H6Se2	007101-31-7	27
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

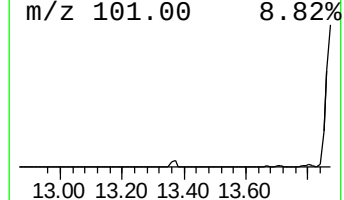
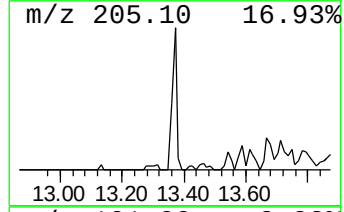
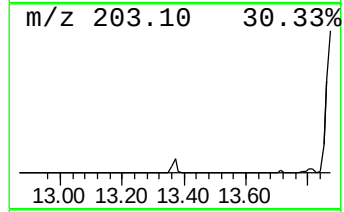
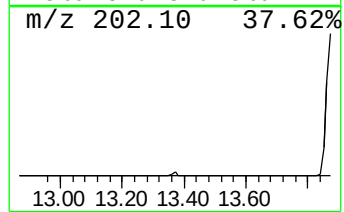
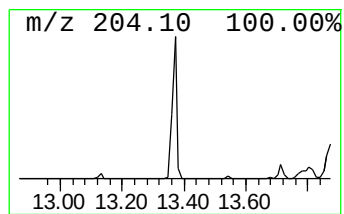
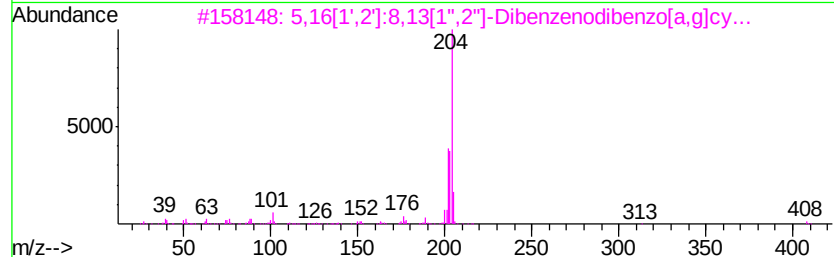
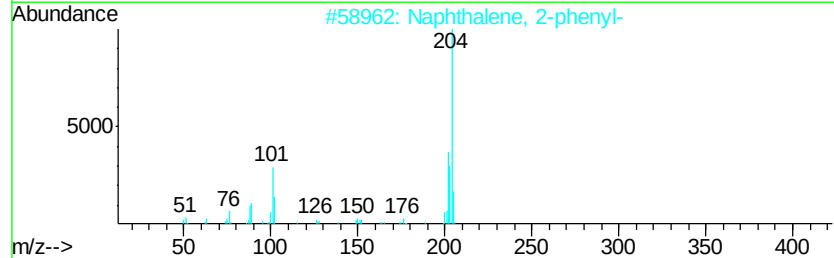
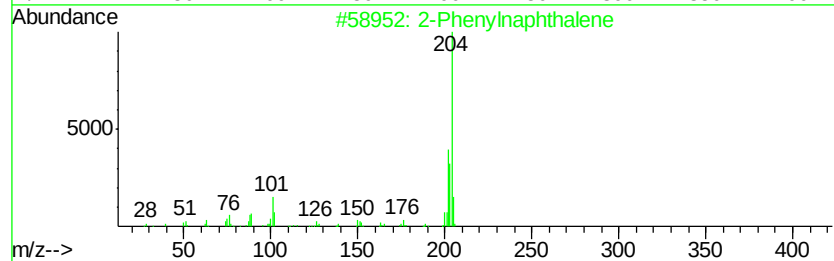
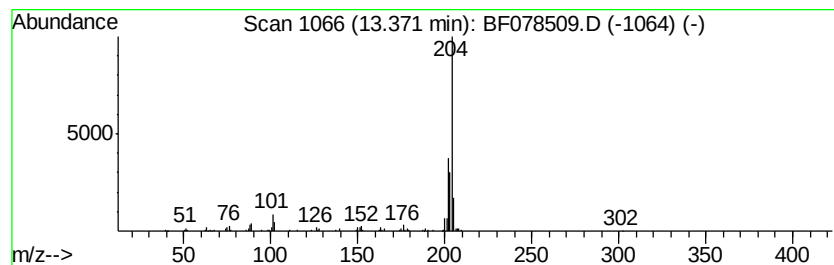
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Phenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	27.22 ng	326779	Phenanthrene-d10	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

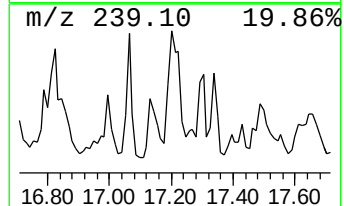
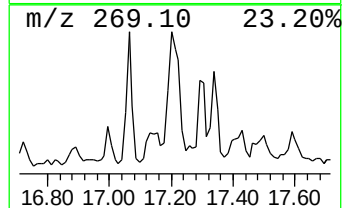
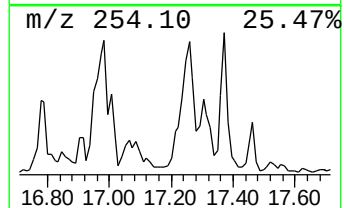
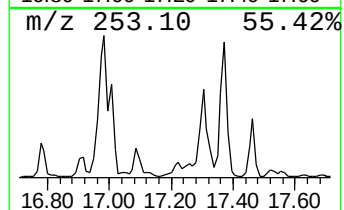
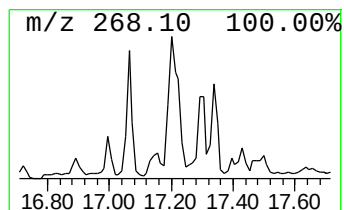
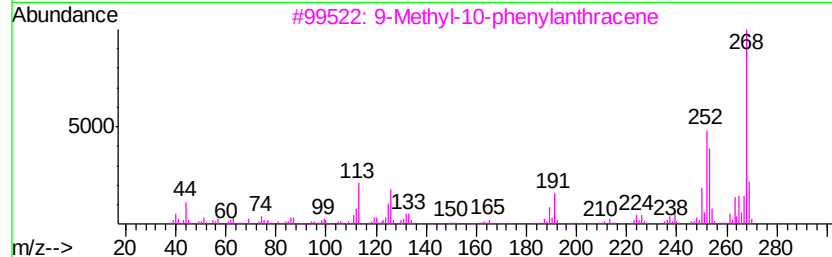
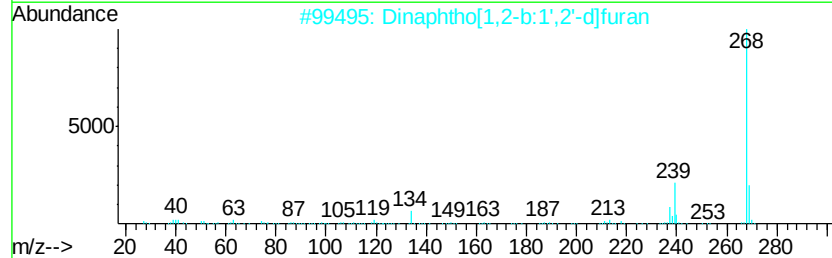
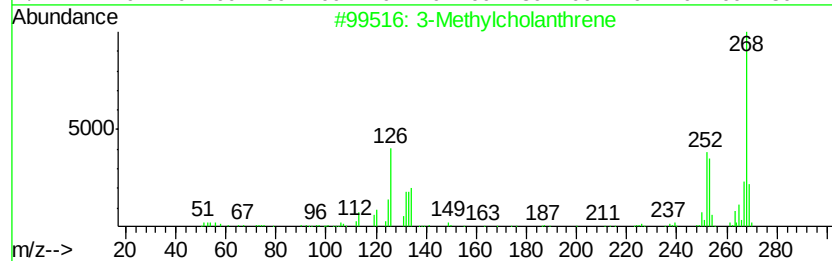
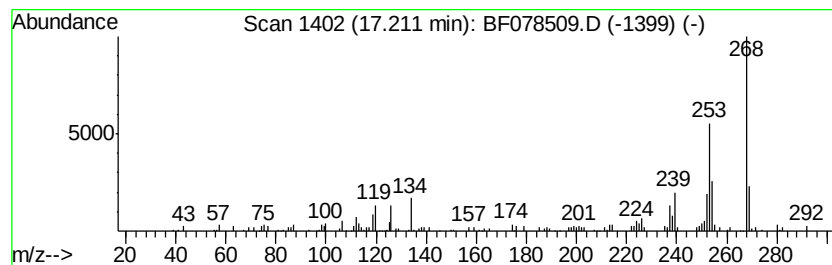
Instrument :
BNA_F
ClientSampled :
HS-SB03A

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 11 3-Methylcholanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	12.23 ng	205897	Perylene-d12	17.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Methylcholanthrene	268 C21H16	000056-49-5	50
2	Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2	49
3	9-Methyl-10-phenylanthracene	268 C21H16	013425-08-6	47
4	Benzo(a)pyrene 4,5-oxide	268 C20H12O	037574-47-3	43
5	2-Hydroxy-4,5-methylenedioxy-2-(...	268 C16H12O4	1000284-51-7	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

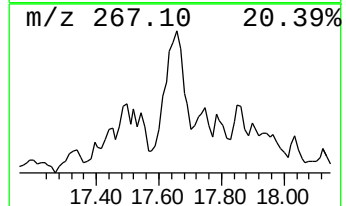
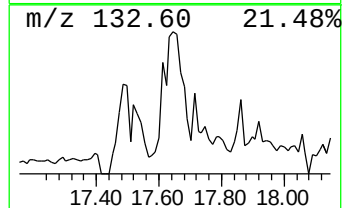
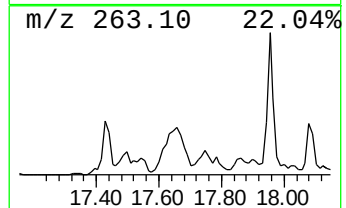
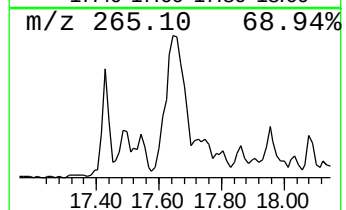
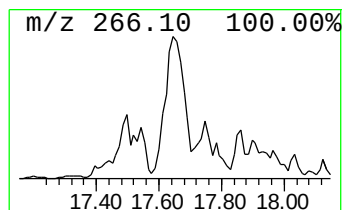
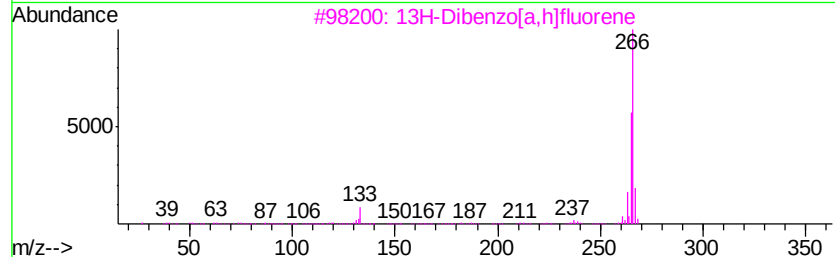
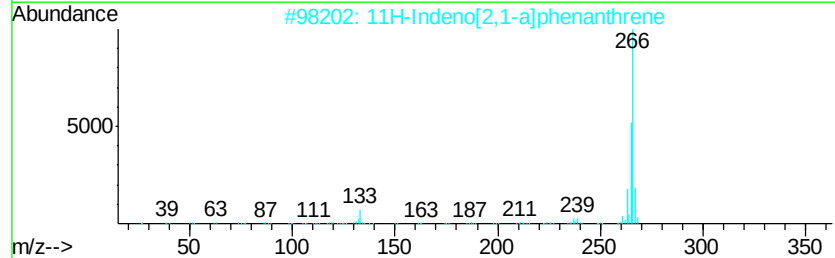
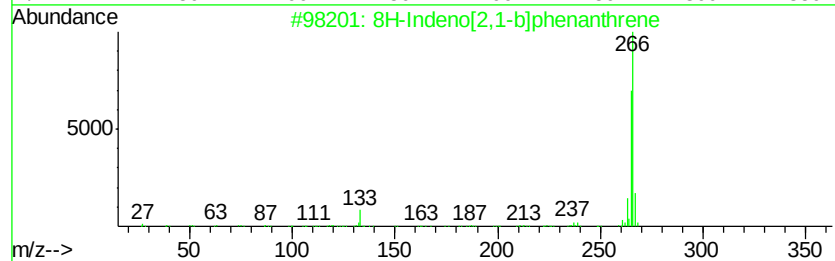
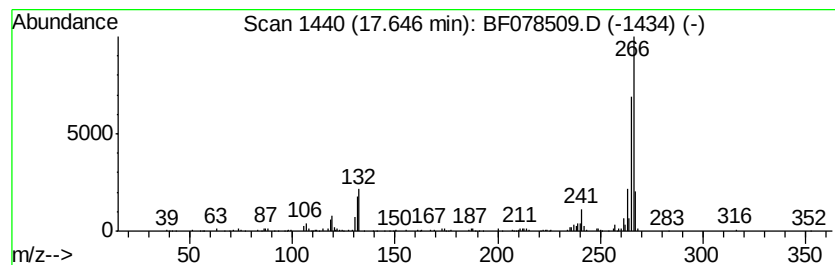
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 8H-Indeno[2,1-b]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	33.92 ng	571046	Perylene-d12	17.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	81
2		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	76
3		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	68
4		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	64
5		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

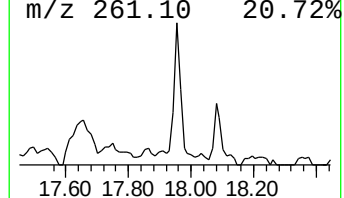
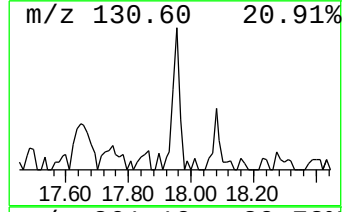
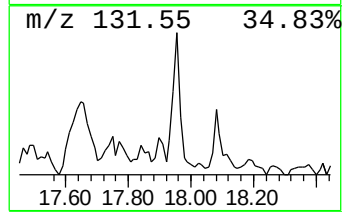
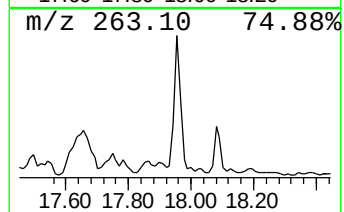
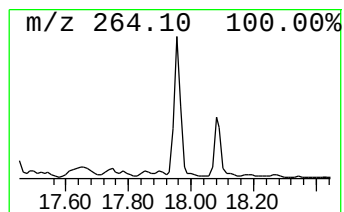
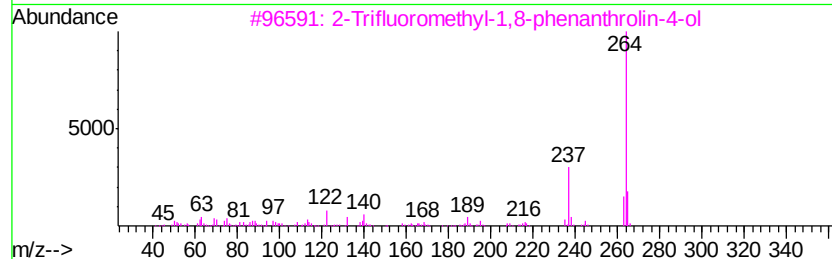
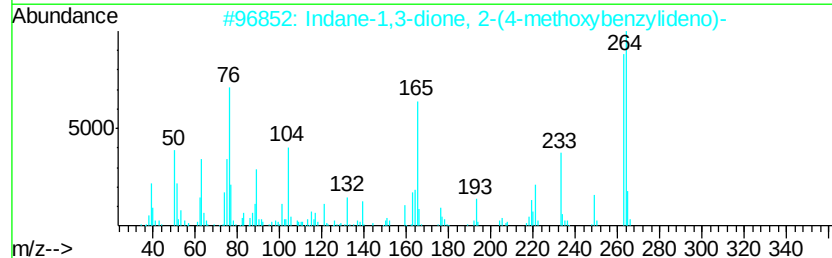
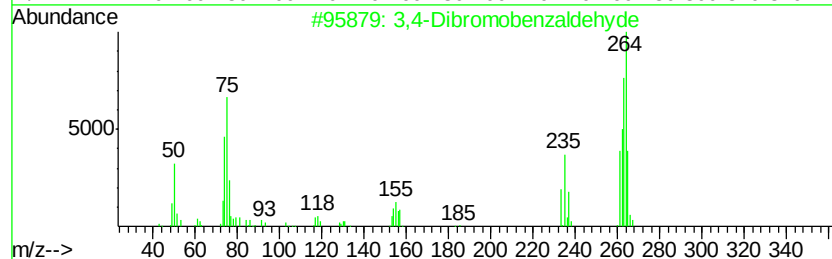
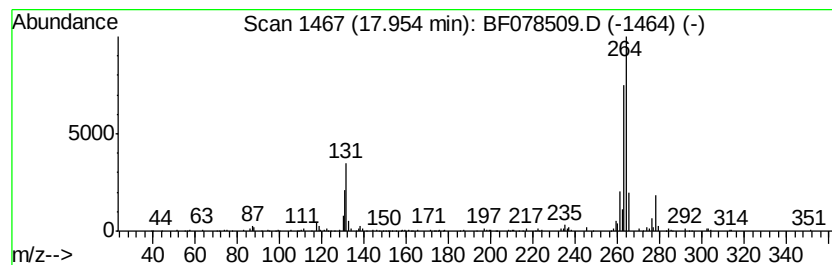
Instrument :
BNA_F
ClientSampleId :
HS-SB03A

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 14 3,4-Dibromobenzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.95	12.44 ng	209370	Perylene-d12	17.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64	
2	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	50	
3	2-Trifluoromethyl-1,8-phenanthro...	264	C13H7F3N2O	1000255-81-8	27	
4	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25	
5	Pentan-2-one, 4-(2-fluorenylimino)-	263	C18H17NO	050651-58-6	22	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

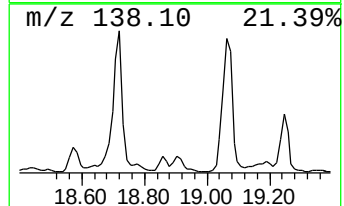
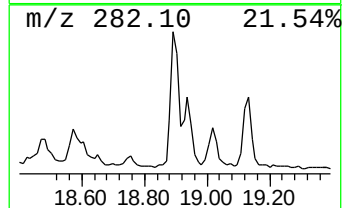
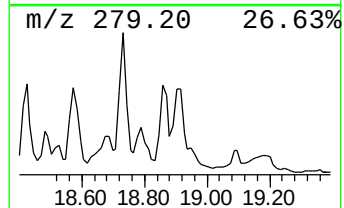
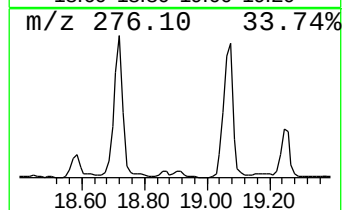
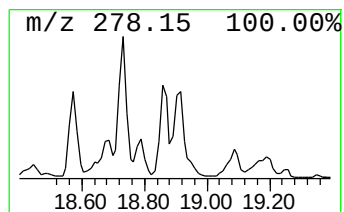
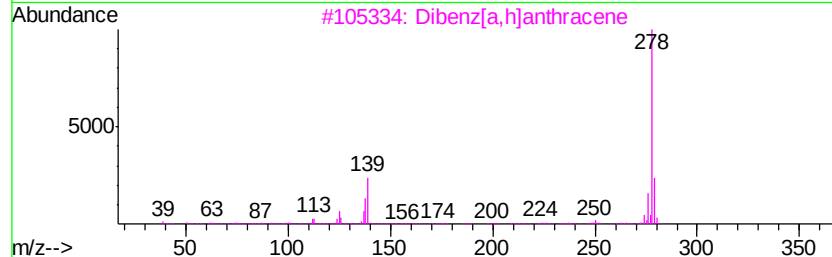
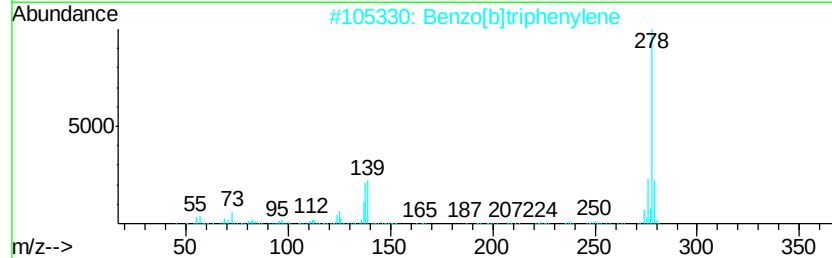
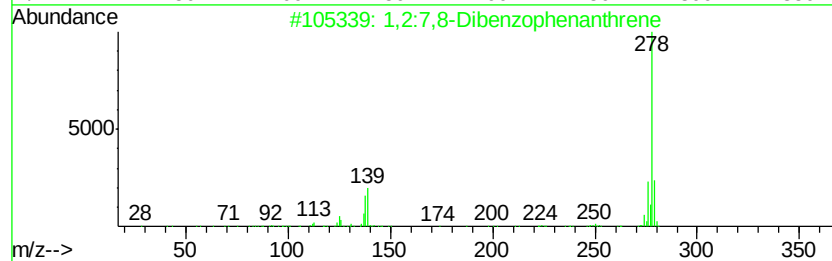
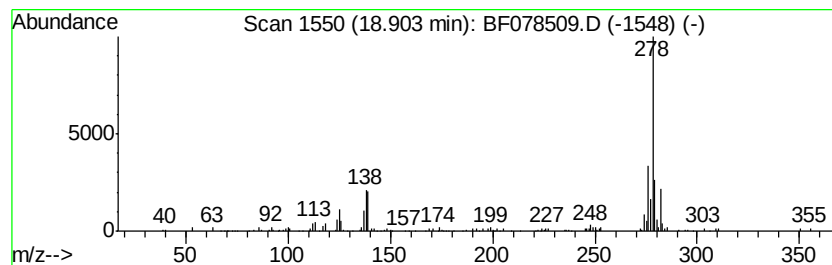
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,2:7,8-Dibenzophenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	11.97 ng	201446	Perylene-d12	17.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
4		Pentaphene	278	C22H14	000222-93-5	91
5		Benzo[b]chrysene	278	C22H14	000214-17-5	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

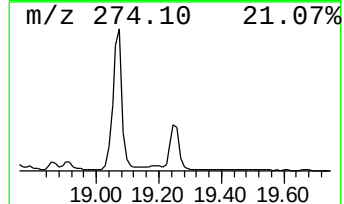
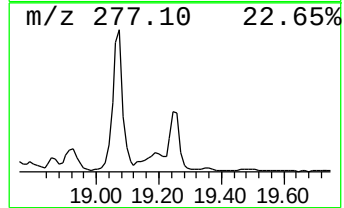
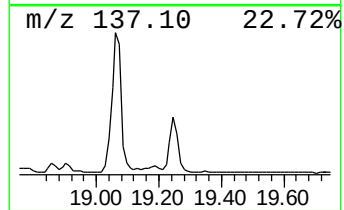
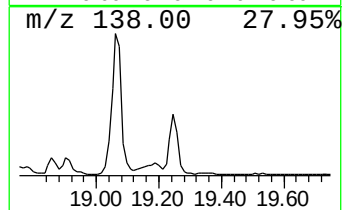
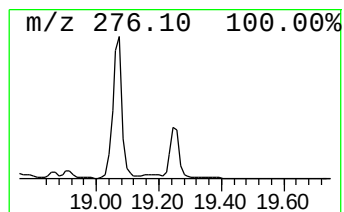
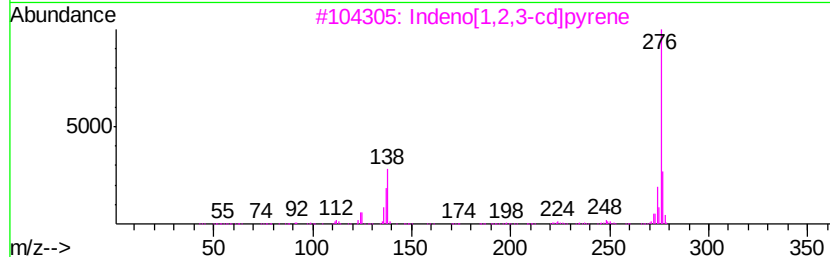
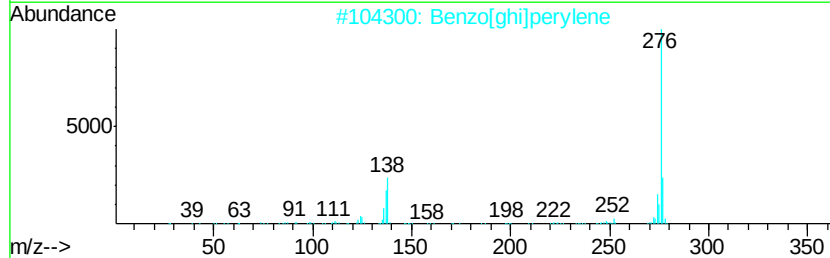
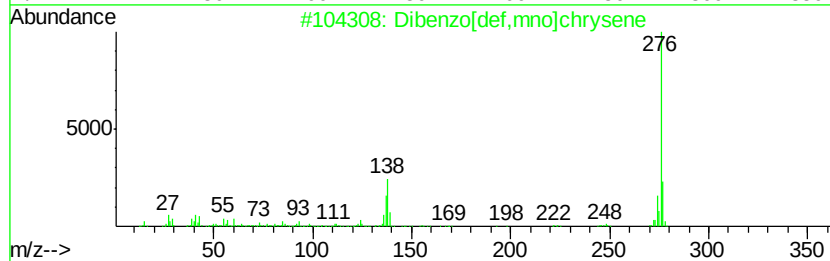
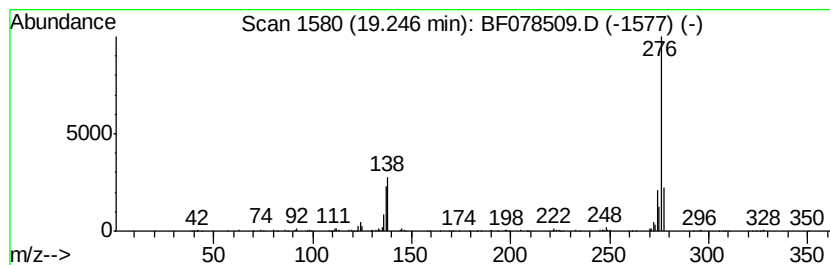
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	38.15 ng	642219	Perylene-d12	17.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5		1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078509.D
Acq On : 14 Apr 2015 19:59
Operator : TP/IZ
Sample : G1828-05 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB03A

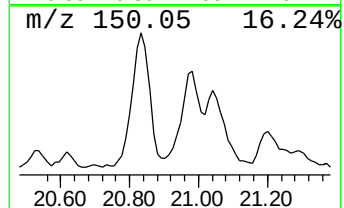
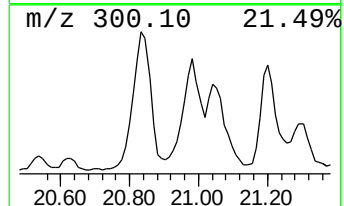
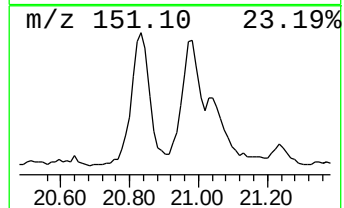
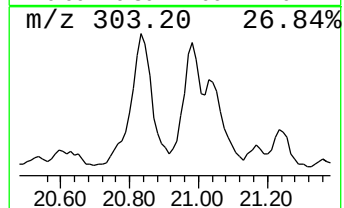
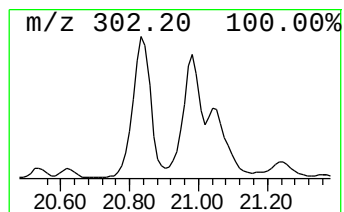
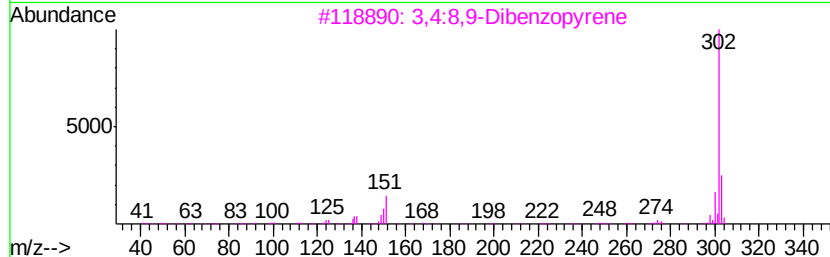
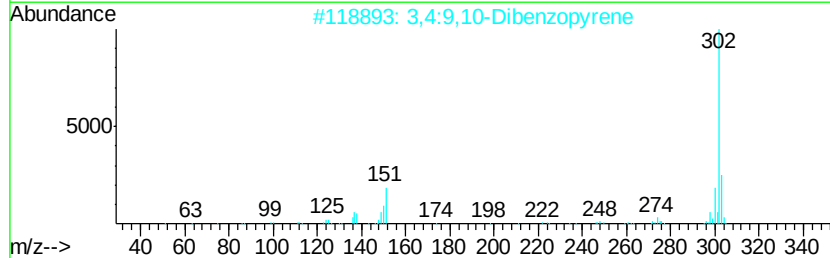
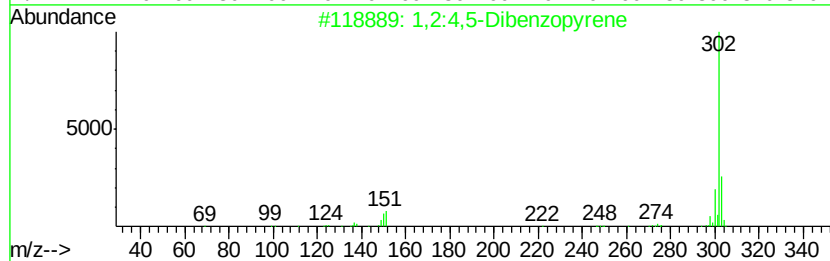
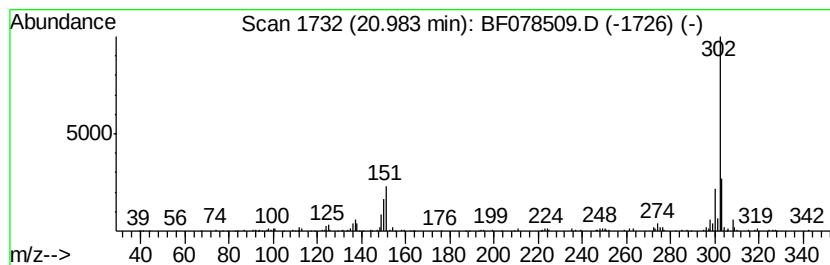
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	23.72 ng	399296	Perylene-d12	17.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	86
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078509.D
 Acq On : 14 Apr 2015 19:59
 Operator : TP/IZ
 Sample : G1828-05 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03A

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
unknown6.52	6.52	15.6	ng	80435	1	6.80	103094	20.0
Anthracene, 9,10-...	11.75	9.3	ng	111700	4	12.37	240070	20.0
Anthracene, 1,2,3...	12.21	23.8	ng	285735	4	12.37	240070	20.0
Dibenzothiophene	12.24	17.9	ng	214297	4	12.37	240070	20.0
Phenanthrene, 2-m...	12.99	20.4	ng	244671	4	12.37	240070	20.0
Phenanthrene, 1-m...	13.03	26.0	ng	312297	4	12.37	240070	20.0
4H-Cyclopenta[def...	13.12	64.9	ng	778513	4	12.37	240070	20.0
2-Phenylnaphthalene	13.37	27.2	ng	326779	4	12.37	240070	20.0
3-Methylcholanthrene	17.21	12.2	ng	205897	6	17.43	336672	20.0
8H-Indeno[2,1-b]p...	17.65	33.9	ng	571046	6	17.43	336672	20.0
3,4-Dibromobenzal...	17.95	12.4	ng	209370	6	17.43	336672	20.0
1,2:7,8-Dibenzoph...	18.90	12.0	ng	201446	6	17.43	336672	20.0
Dibenzo[def,mno]c...	19.25	38.1	ng	642219	6	17.43	336672	20.0
1,2:4,5-Dibenzopy...	20.98	23.7	ng	399296	6	17.43	336672	20.0