

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102728.D
 Acq On : 5 Feb 2018 10:37
 Operator : SJ/JU
 Sample : J1022-12 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 13:04:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

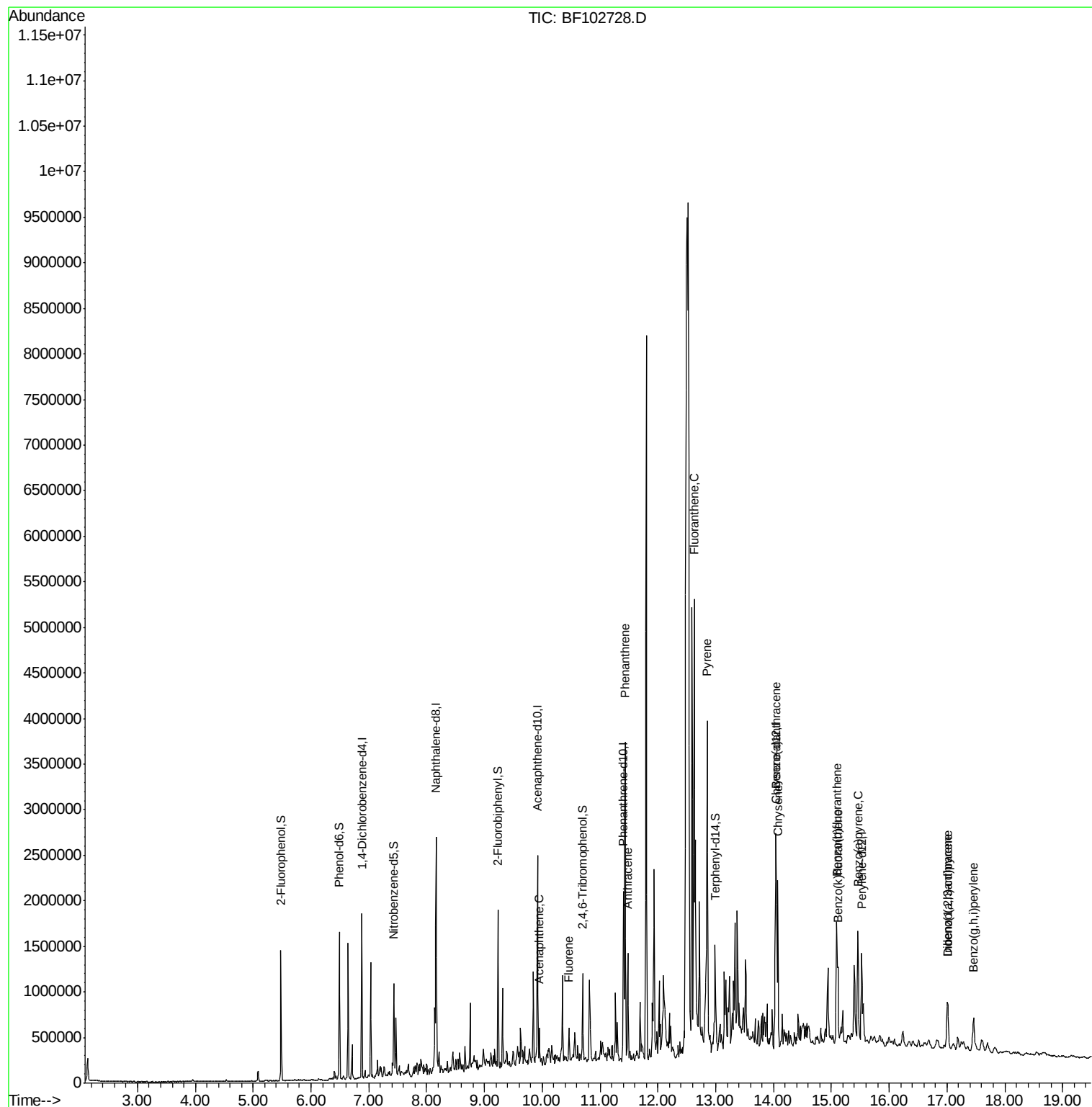
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	255475	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1028702	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	463855	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	751768	20.00	ng	0.00
75) Chrysene-d12	14.05	240	440227	20.00	ng	0.00
86) Perylene-d12	15.53	264	462632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	381638	22.69	ng	-0.01
7) Phenol-d6	6.49	99	453332	22.38	ng	-0.01
23) Nitrobenzene-d5	7.43	82	269975	18.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	91805	24.59	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	465462	16.65	ng	-0.01
78) Terphenyl-d14	12.99	244	337461	18.15	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.95	154	64518	2.258	ng	96
57) Fluorene	10.46	166	93851	3.204	ng	98
70) Phenanthrene	11.43	178	1219214	29.120	ng	100
71) Anthracene	11.48	178	394297	9.259	ng	99
74) Fluoranthene	12.63	202	1715852	40.733	ng	99
77) Pyrene	12.86	202	1513669	43.848	ng	99
80) Benzo(a)anthracene	14.04	228	753500	27.216	ng	99
82) Chrysene	14.07	228	671308	24.053	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	340061	14.691	ng	93
87) Benzo(b)fluoranthene	15.09	252	858412m	28.619	ng	
88) Benzo(k)fluoranthene	15.12	252	257450m	8.983	ng	
89) Benzo(a)pyrene	15.46	252	577862	21.404	ng	97
90) Dibenzo(a,h)anthracene	17.02	278	85140m	3.885	ng	
91) Benzo(g,h,i)perylene	17.46	276	284506	13.264	ng	95

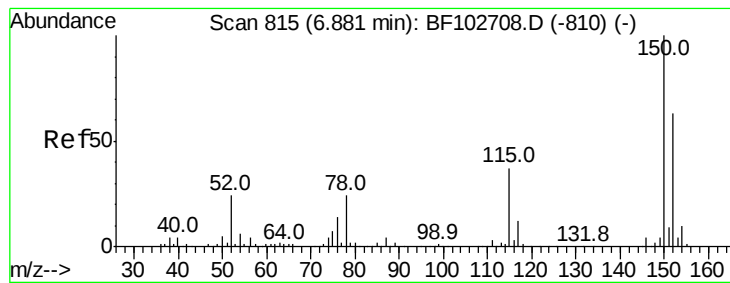
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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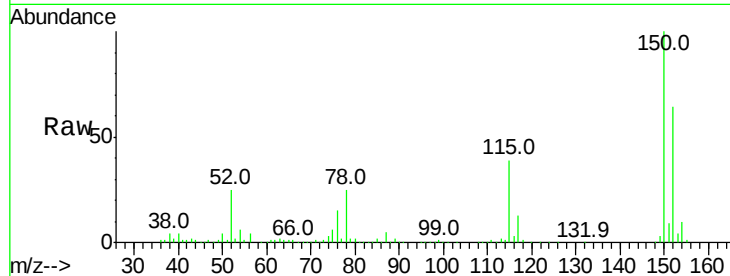


#1

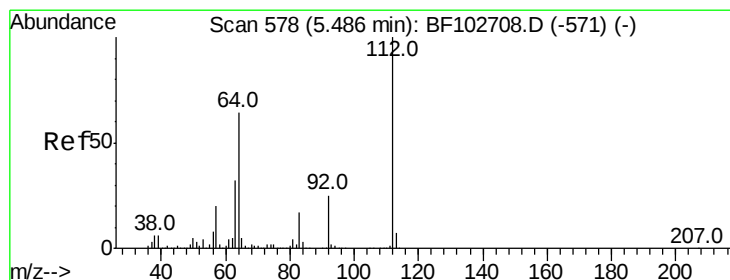
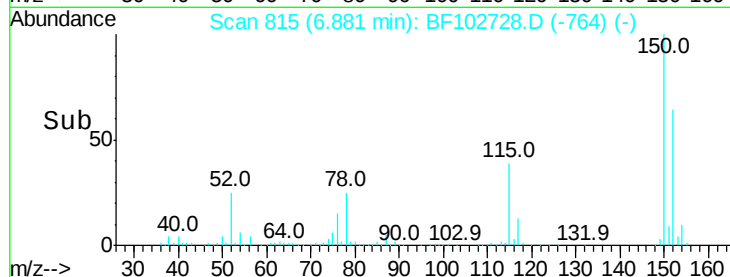
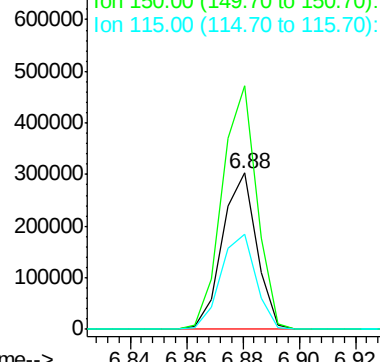
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 255475
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 60.8 50.1 75.1



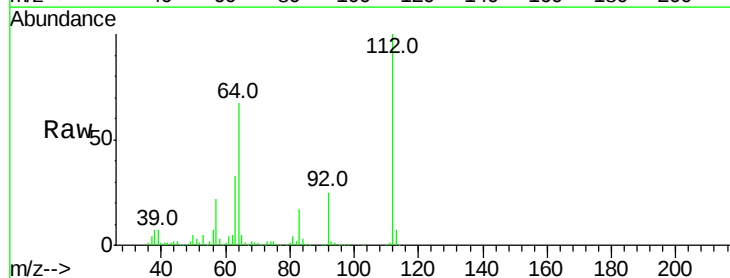
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



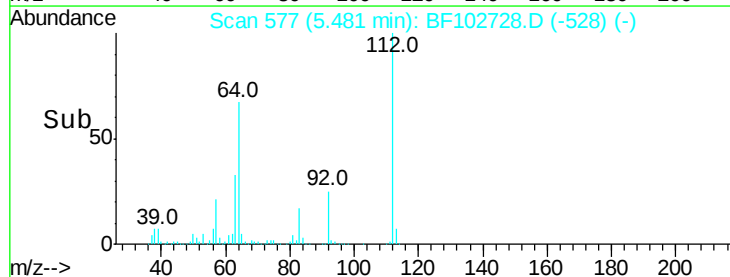
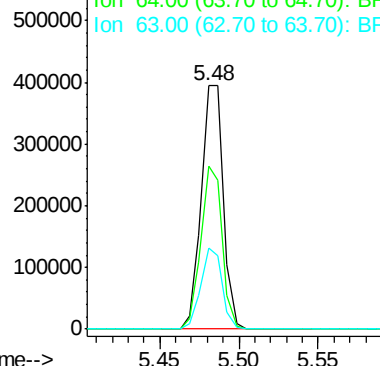
#5

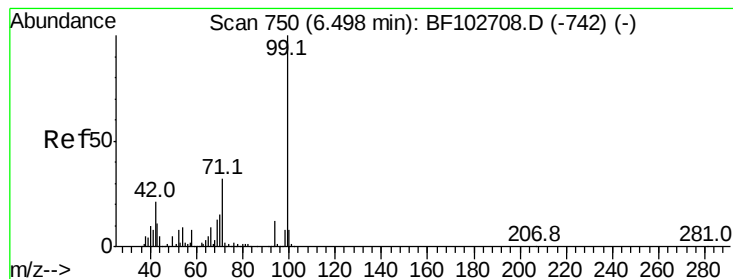
2-Fluorophenol
Concen: 22.686 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:112 Resp: 381638
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 33.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.381 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Instrument :

BNA_F

ClientSampleId :

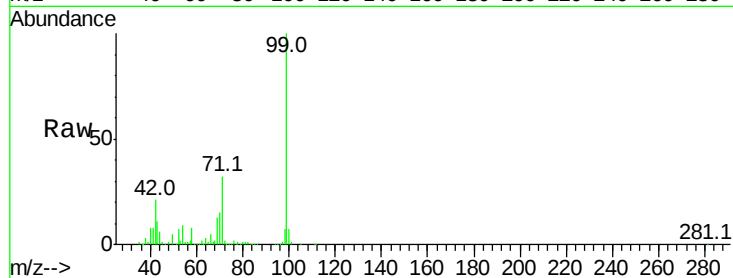
Tot Ion: 99 Resp: 453332

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

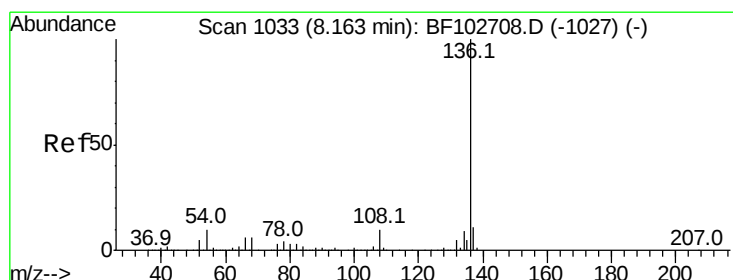
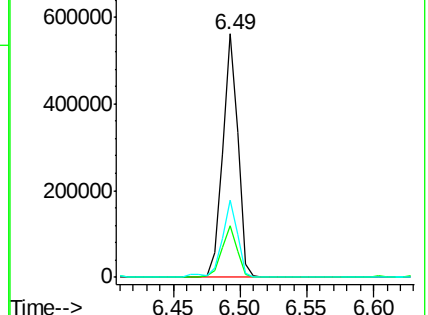
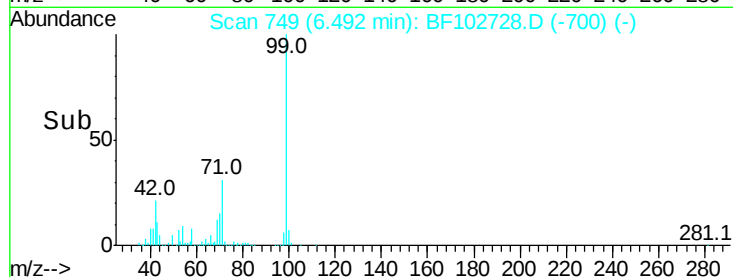
71 31.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Tgt Ion: 136 Resp: 1028702

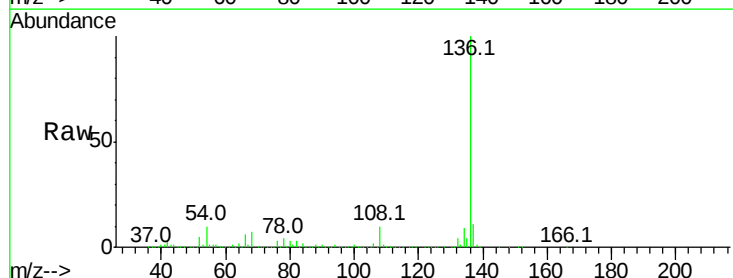
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.8 6.6 9.8

68 6.5 5.0 7.4

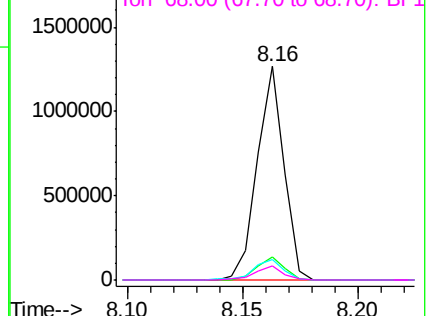
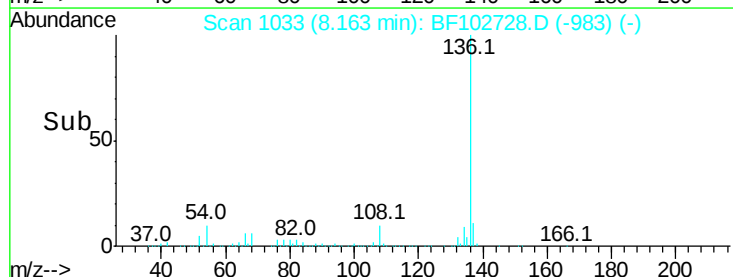


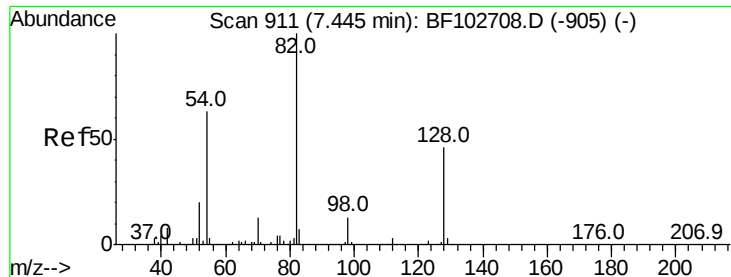
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

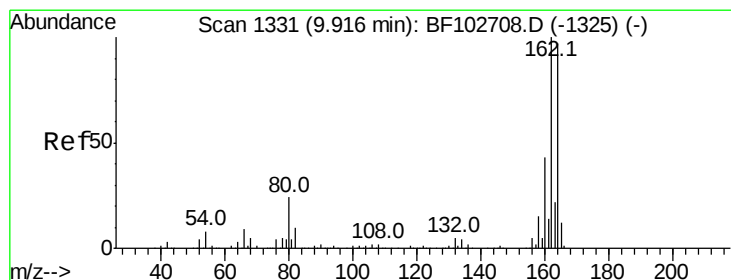
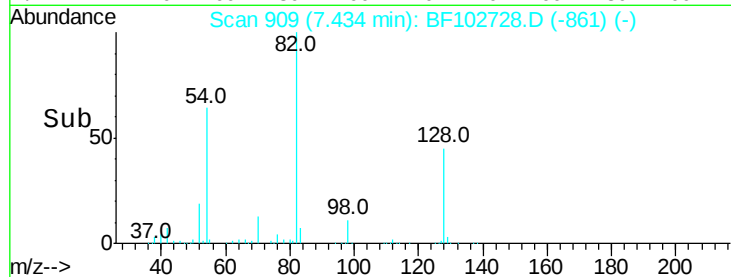
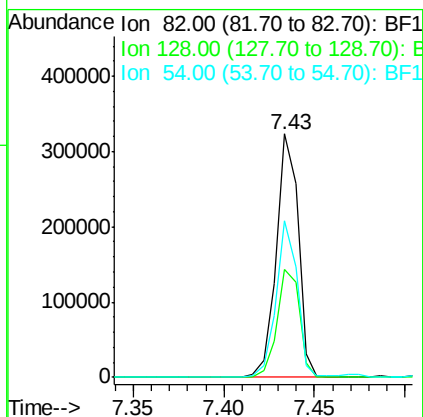
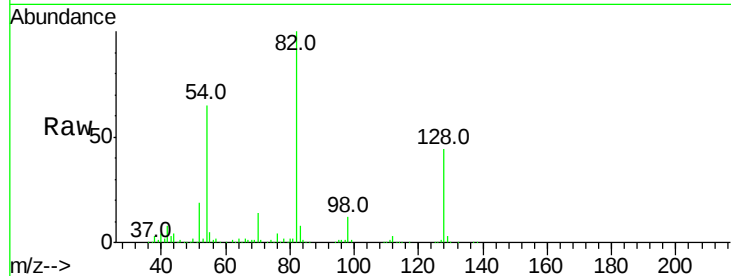




#23
Nitrobenzene-d5
Concen: 18.206 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

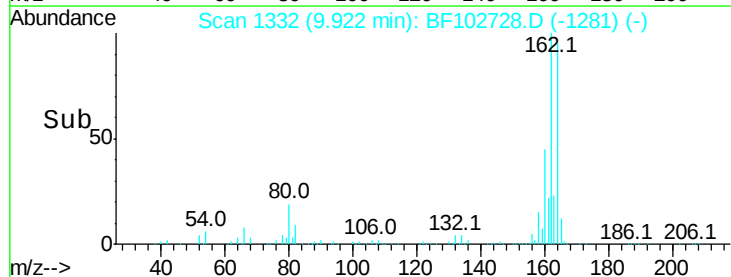
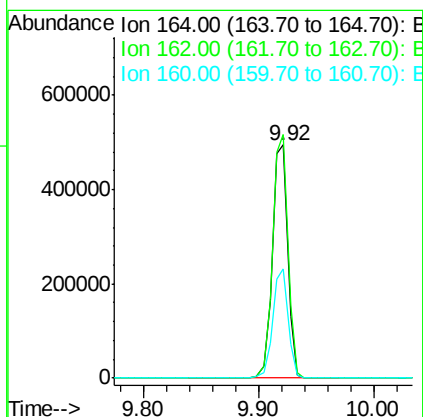
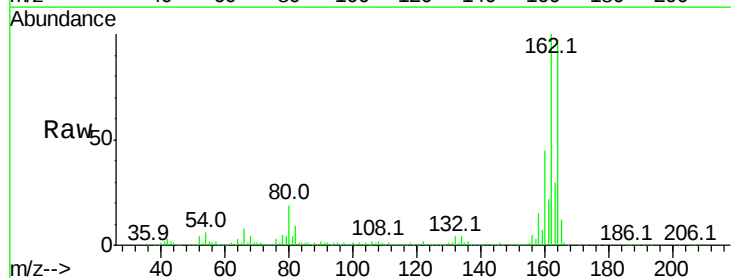
Instrument :
BNA_F
ClientSampled :

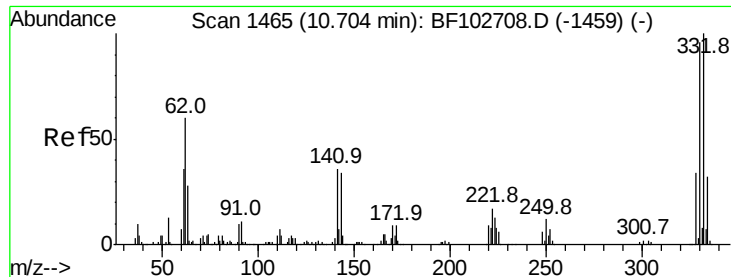
Tot Ion: 82 Resp: 269975
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 64.6 41.4 62.2#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:164 Resp: 463855
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 46.7 38.3 57.5

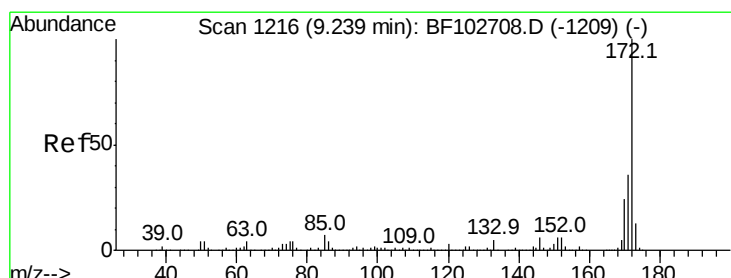
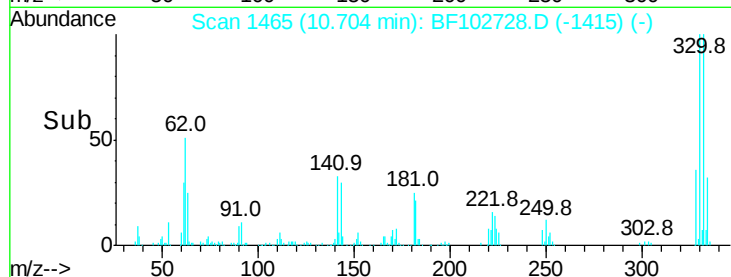
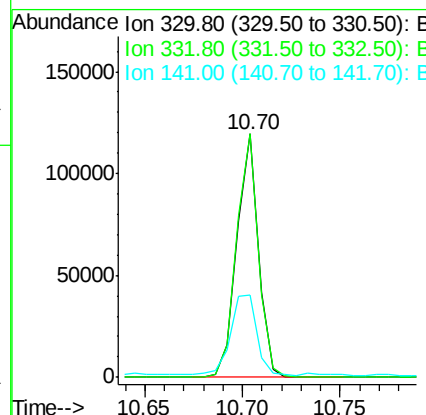
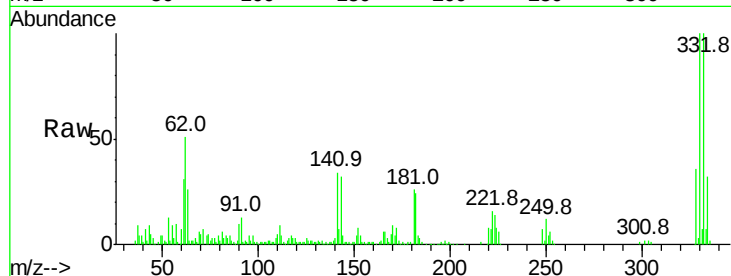




#41
 2,4,6-Tribromophenol
 Concen: 24.590 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102728.D
 Acq: 5 Feb 2018 10:37

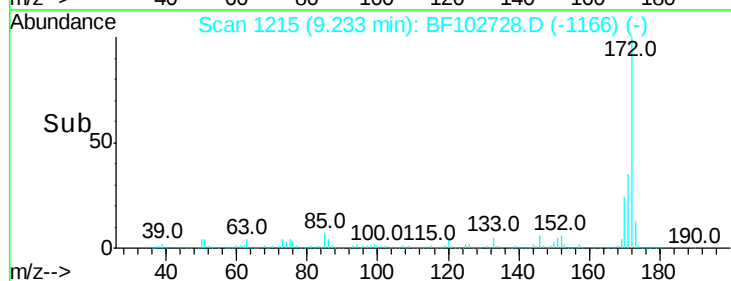
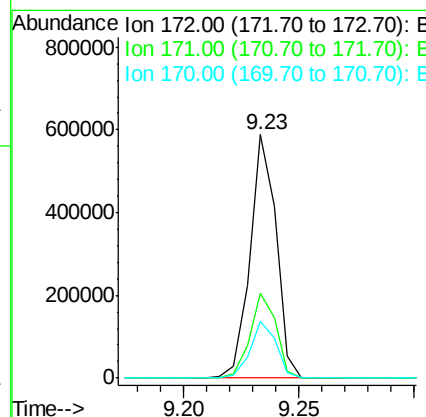
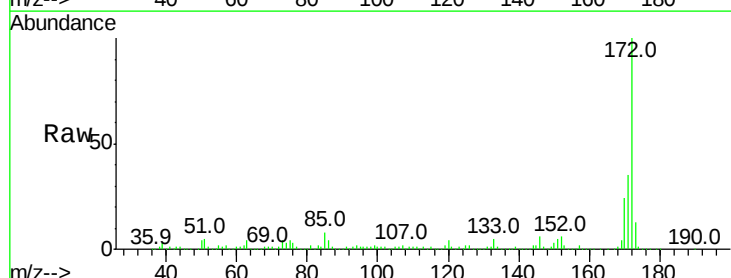
Instrument :
 BNA_F
 ClientSampleId :

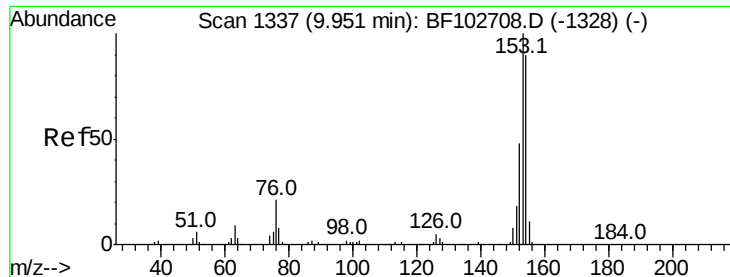
Tot Ion:330 Resp: 91805
 Ion Ratio Lower Upper
 330 100
 332 100.9 77.0 115.6
 141 39.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 16.651 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102728.D
 Acq: 5 Feb 2018 10:37

Tgt Ion:172 Resp: 465462
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.6 19.6 29.4





#51

Acenaphthene

Concen: 2.258 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Instrument :

BNA_F

ClientSampleId :

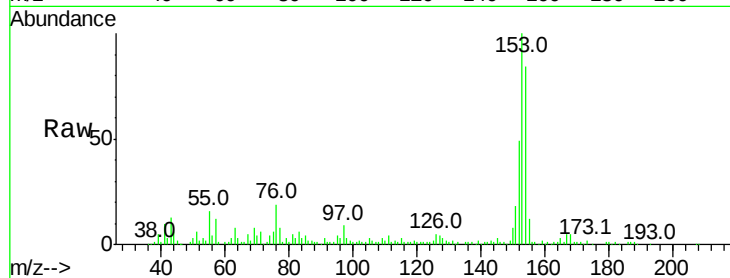
Tot Ion:154 Resp: 64518

Ion Ratio Lower Upper

154 100

153 118.4 91.2 136.8

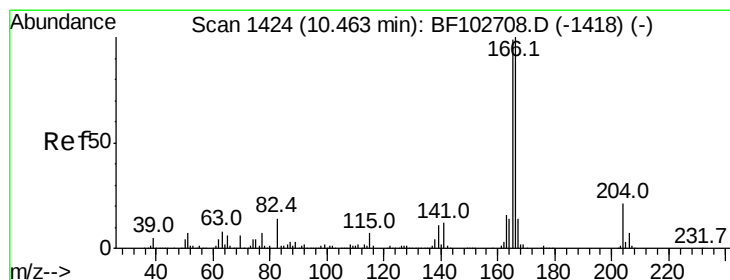
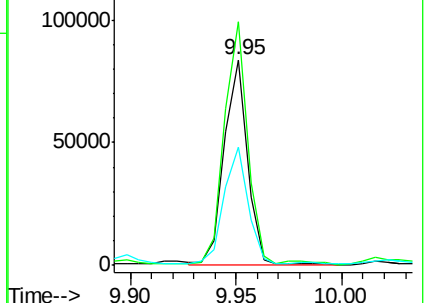
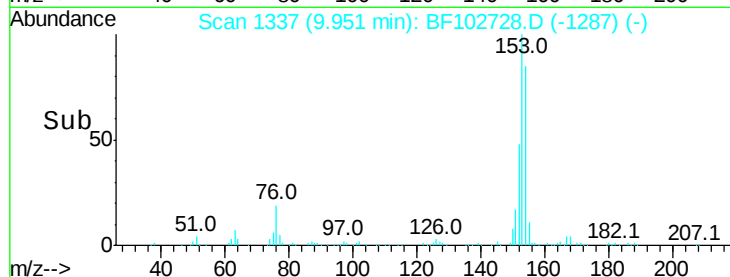
152 57.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.204 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

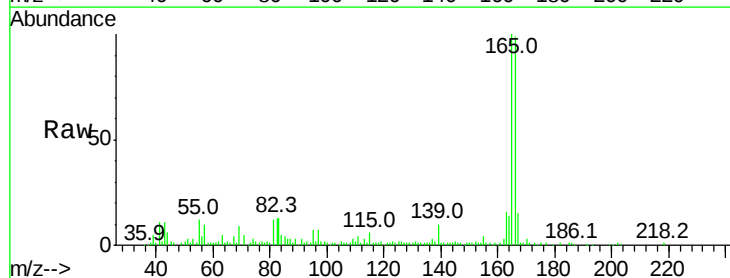
Tgt Ion:166 Resp: 93851

Ion Ratio Lower Upper

166 100

165 101.3 79.8 119.8

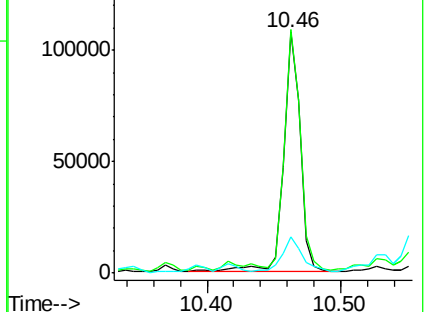
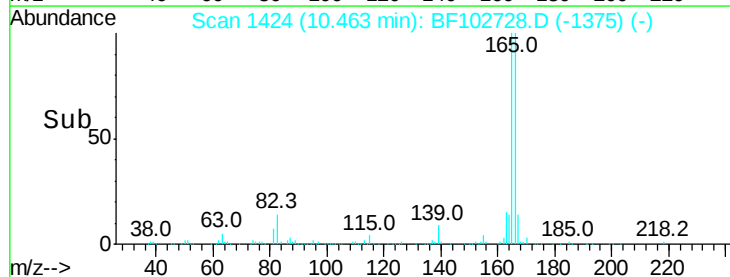
167 15.0 10.6 16.0

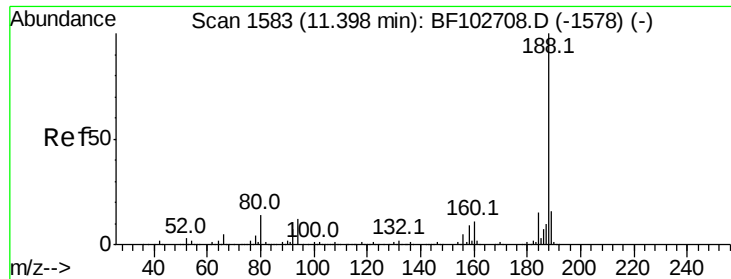


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

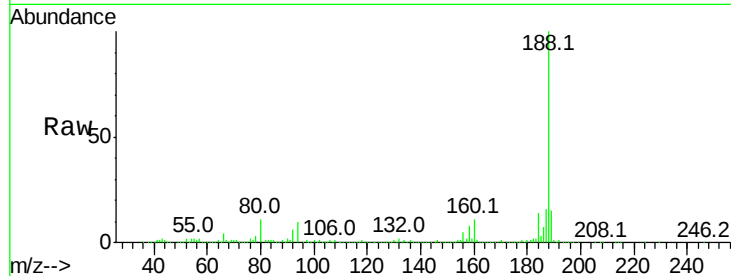




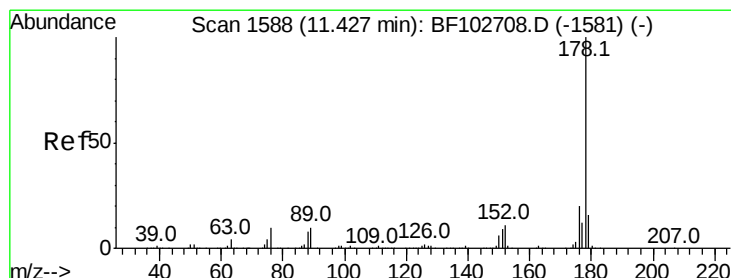
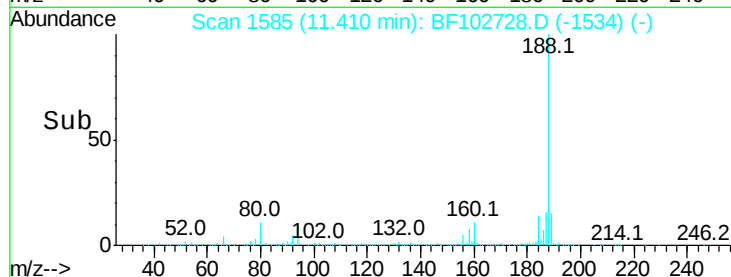
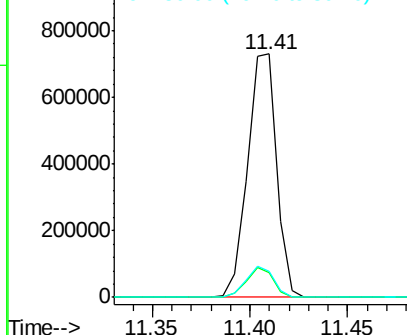
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 751768
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.9 9.2 13.8

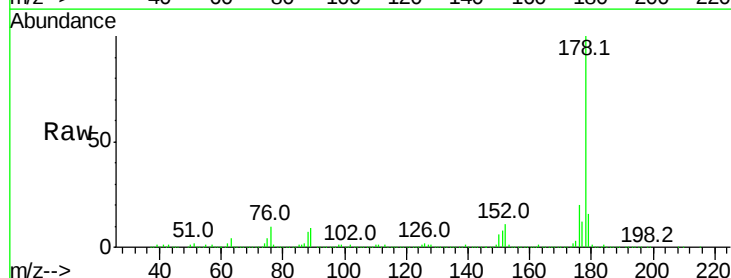


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

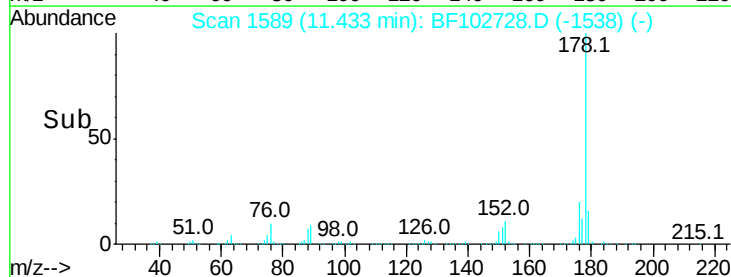
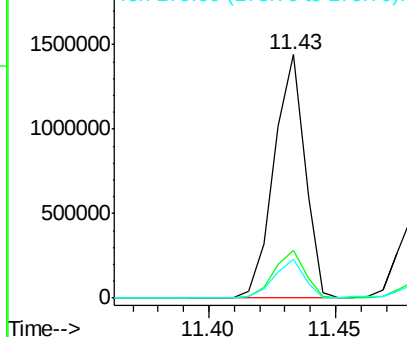


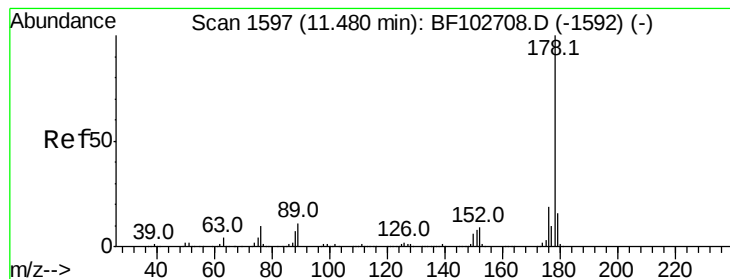
#70
Phenanthrene
Concen: 29.120 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:178 Resp: 1219214
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 9.259 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Instrument :

BNA_F

ClientSampleId :

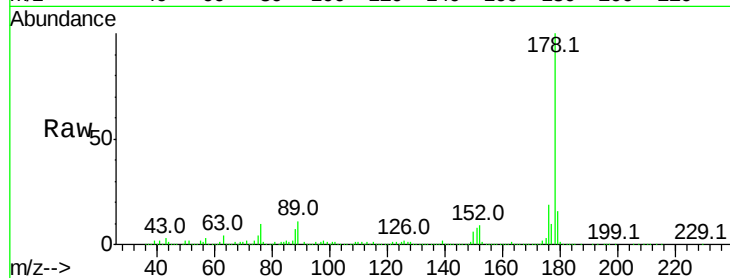
Tot Ion:178 Resp: 394297

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

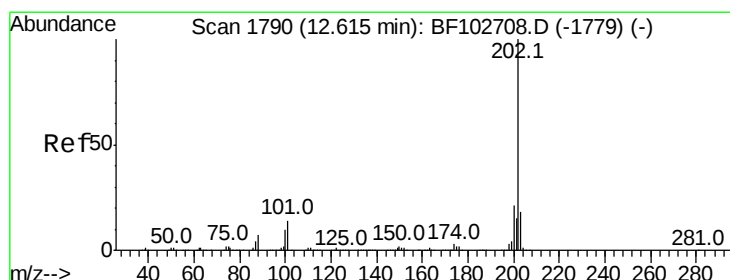
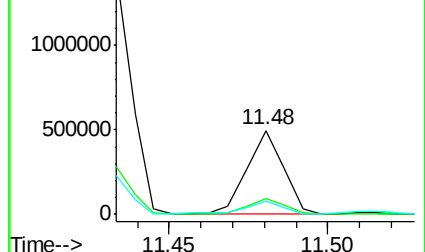
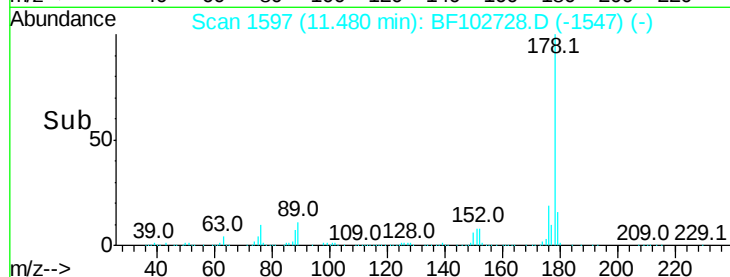
179 16.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 40.733 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

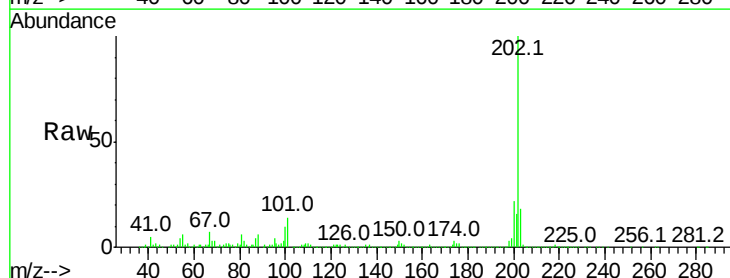
Tgt Ion:202 Resp: 1715852

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

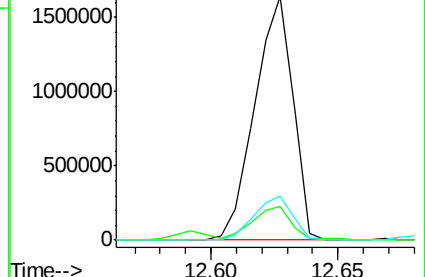
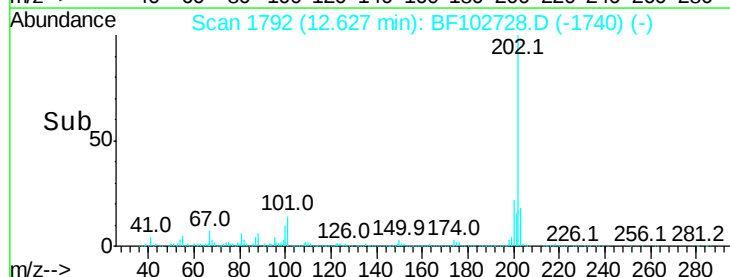
203 17.9 0.0 38.1

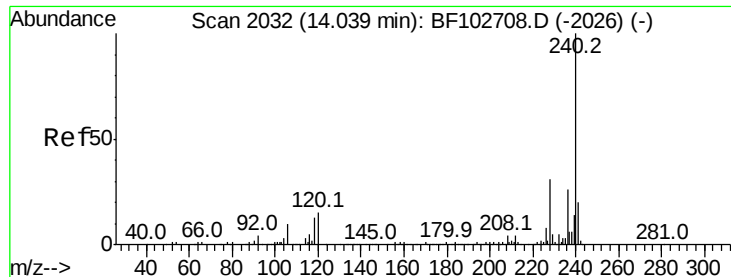


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

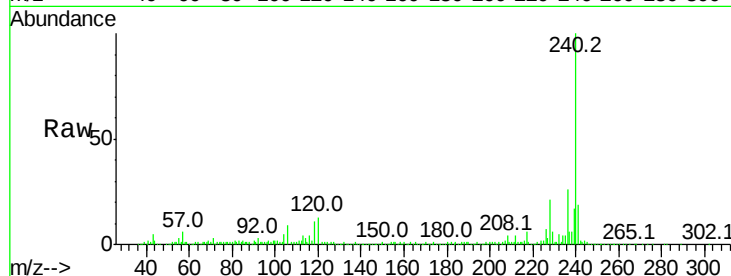




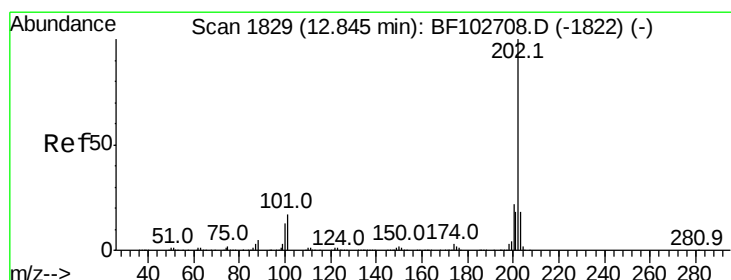
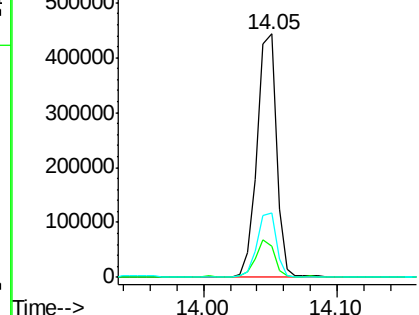
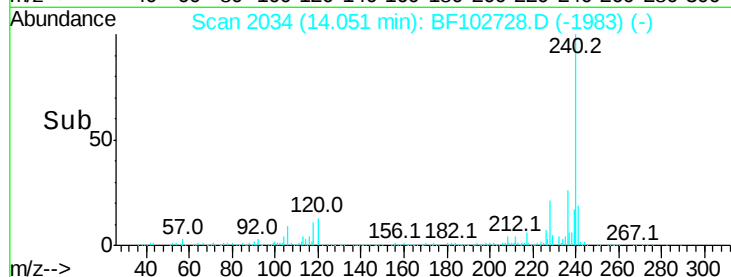
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 440227
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 26.5 20.7 31.1

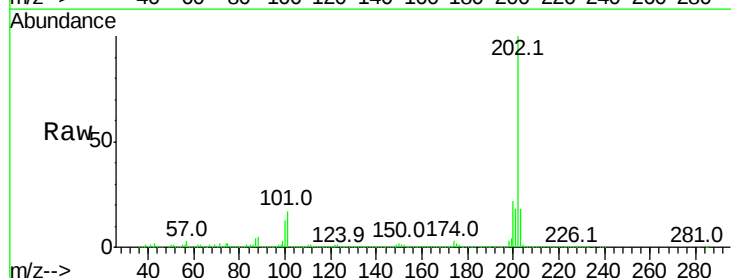


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

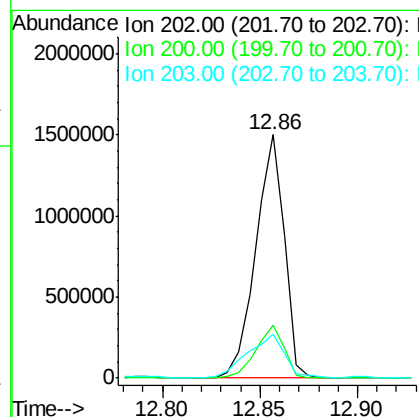
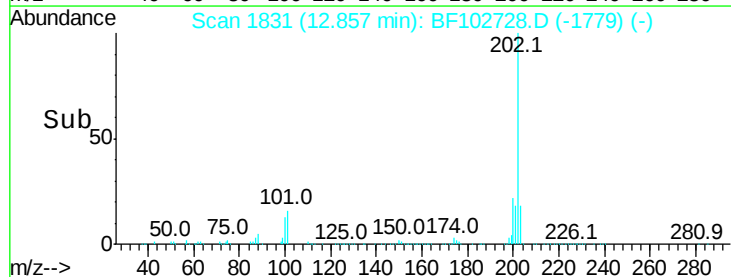


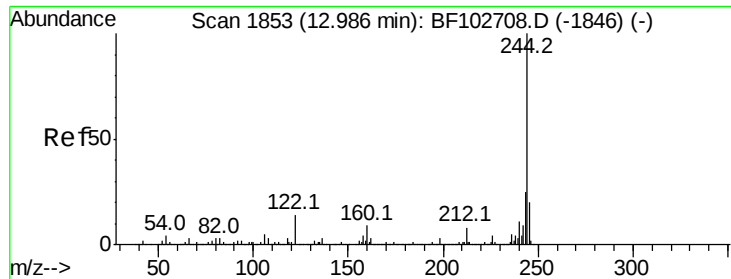
#77
Pyrene
Concen: 43.848 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:202 Resp: 1513669
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.150 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Instrument :

BNA_F

ClientSampleId :

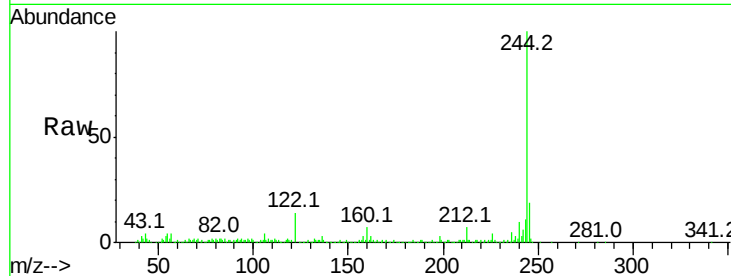
Tot Ion:244 Resp: 337461

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

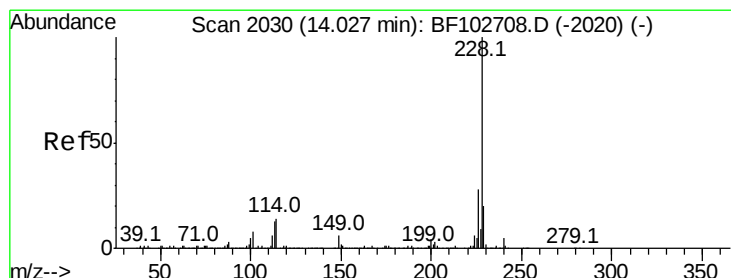
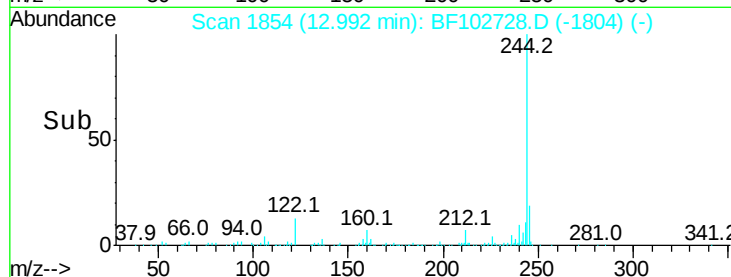
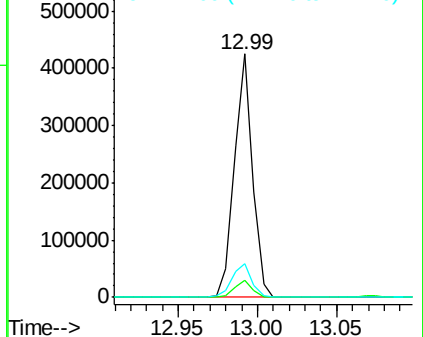
122 13.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 27.216 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

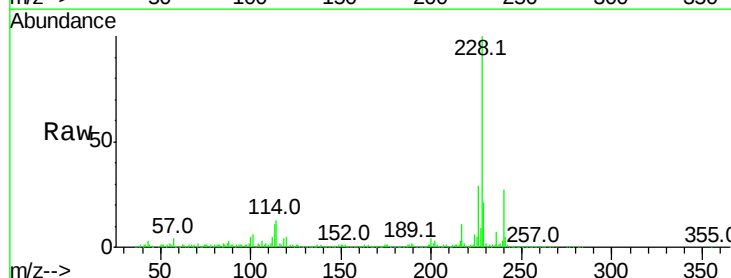
Tgt Ion:228 Resp: 753500

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

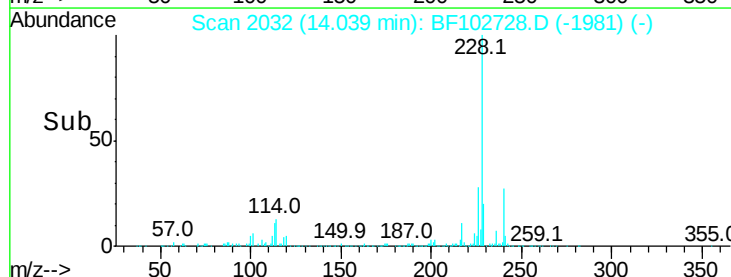
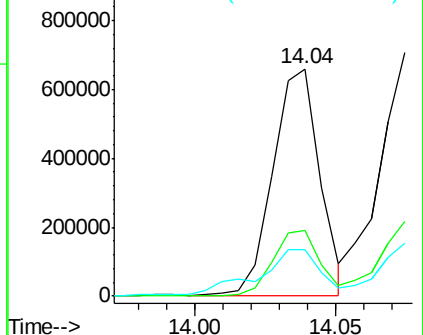
229 20.7 15.8 23.6

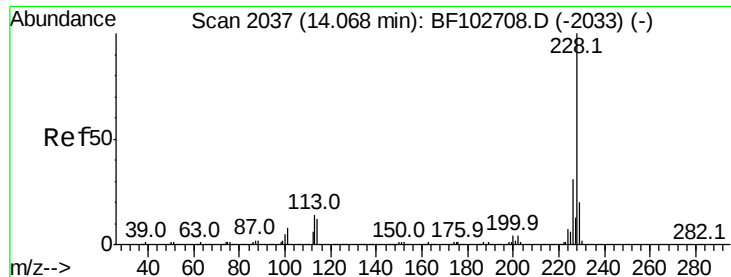


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.053 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Instrument :

BNA_F

ClientSampleId :

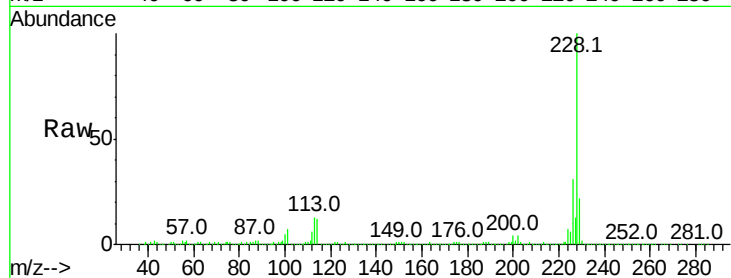
Tot Ion:228 Resp: 671308

Ion Ratio Lower Upper

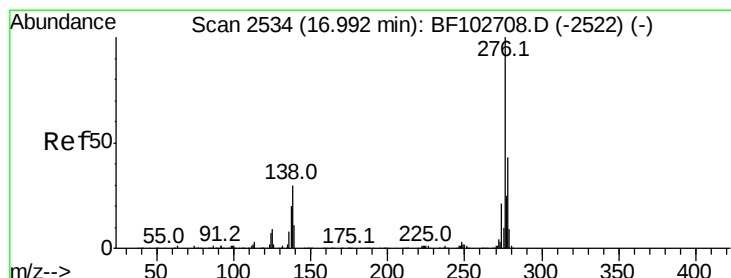
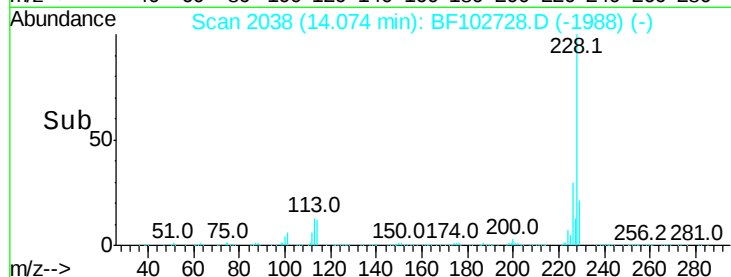
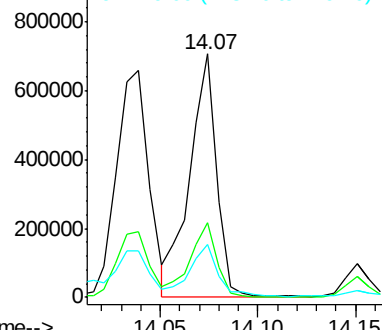
228 100

226 30.6 25.0 37.6

229 21.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.691 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

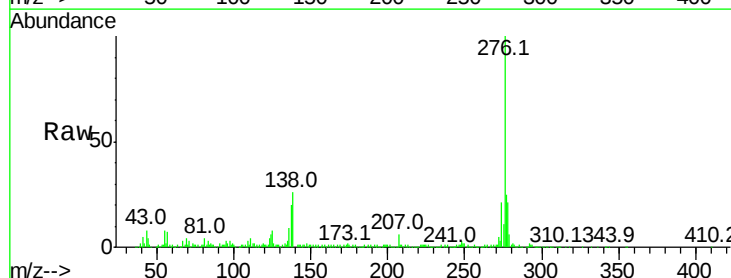
Tgt Ion:276 Resp: 340061

Ion Ratio Lower Upper

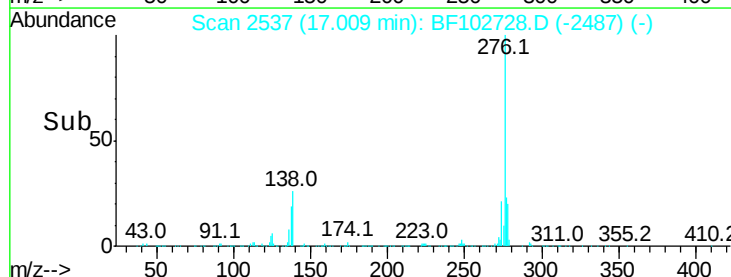
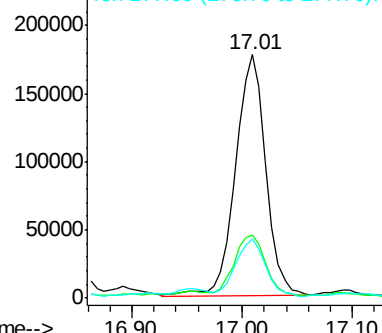
276 100

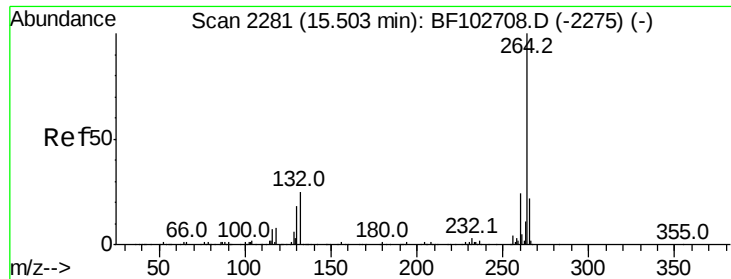
138 26.0 25.0 37.6

277 22.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

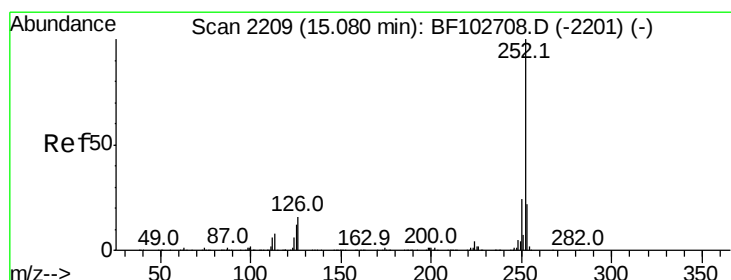
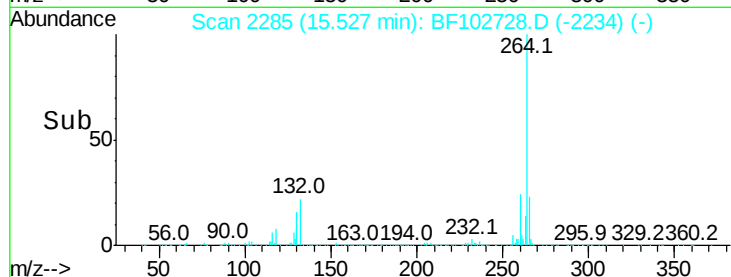
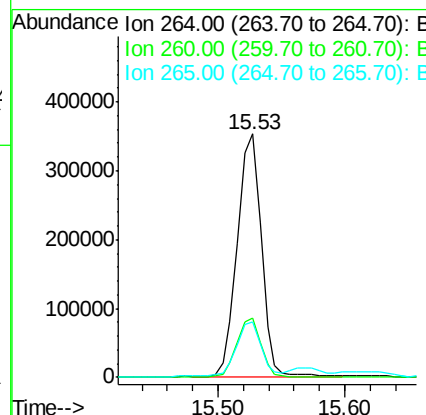
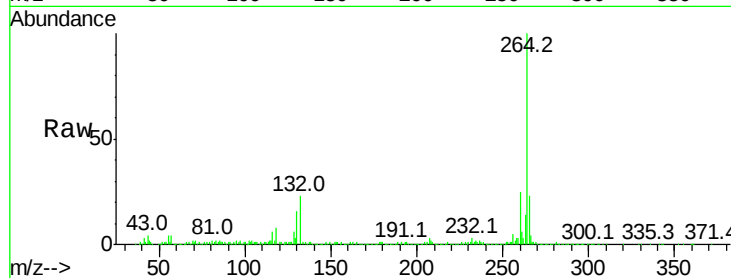




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

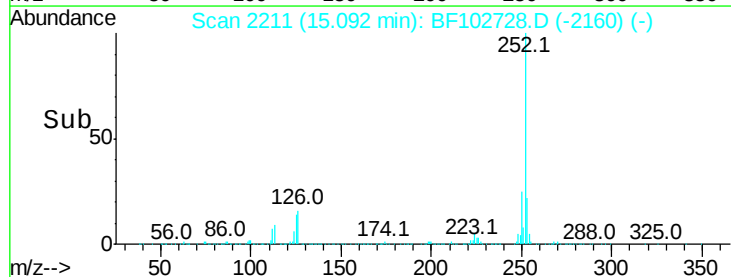
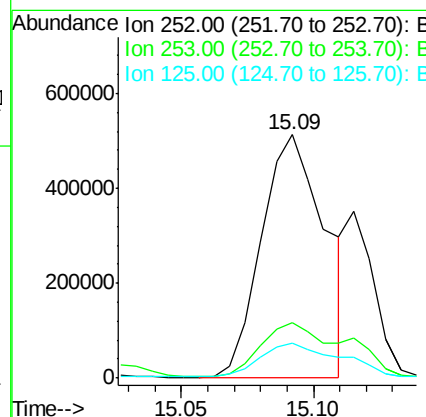
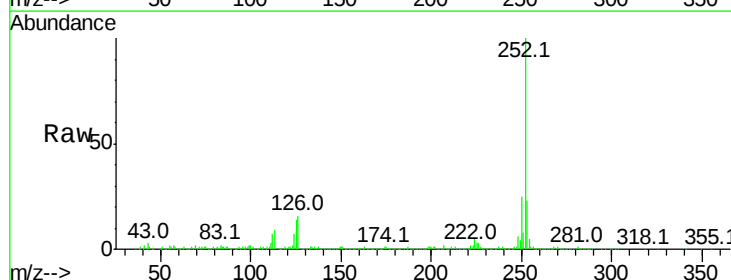
Instrument :
BNA_F
ClientSampleId :

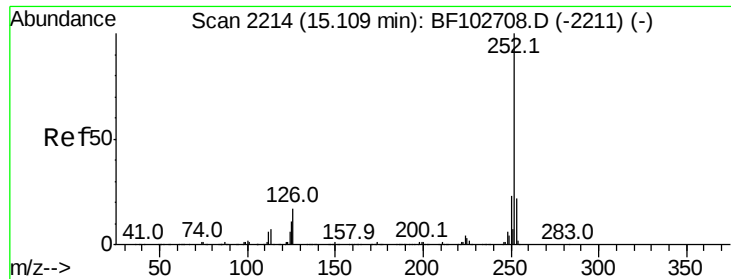
Tot Ion:264 Resp: 462632
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 28.619 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:252 Resp: 858412
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 14.2 9.0 13.6#

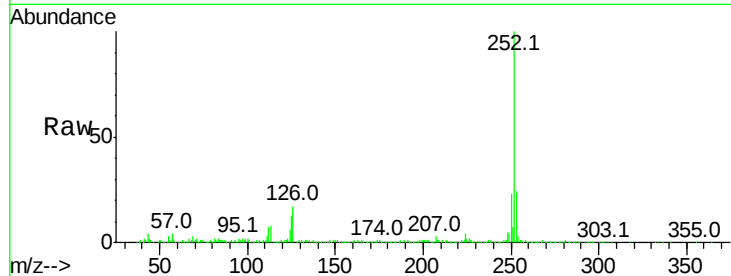




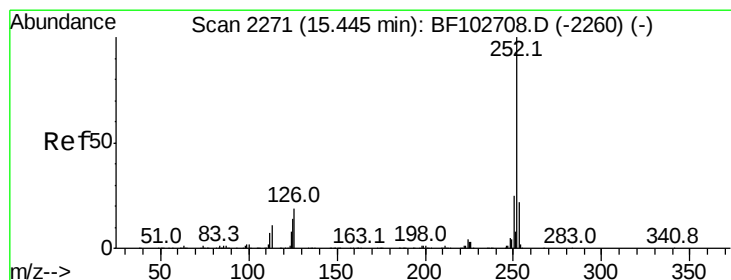
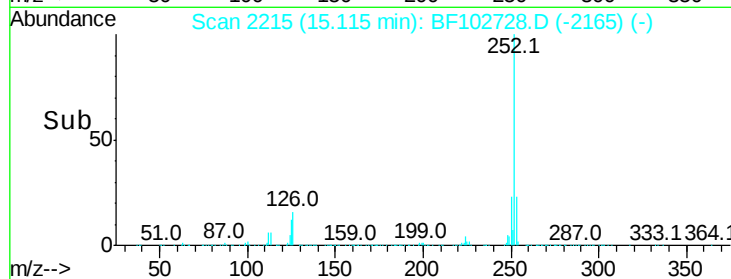
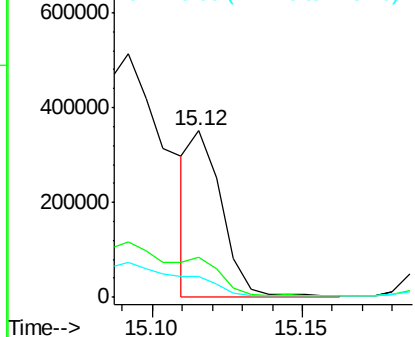
#88
Benzo(k)fluoranthene
Concen: 8.983 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 257450
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 12.8 10.2 15.2

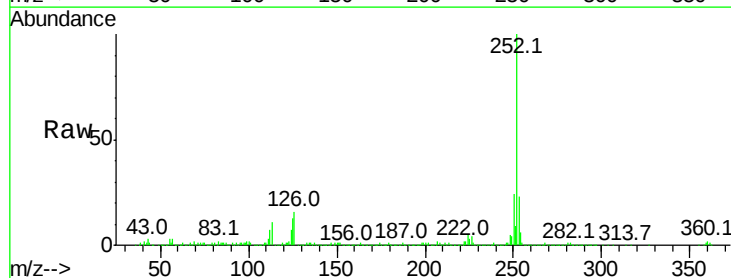


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

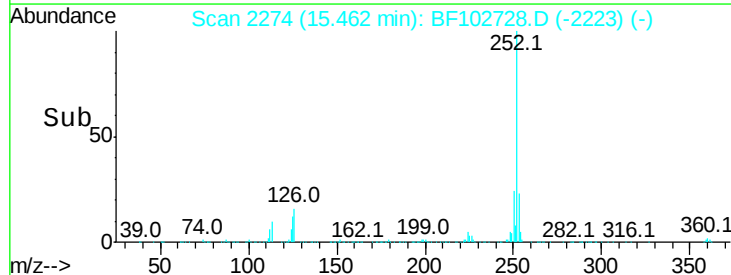
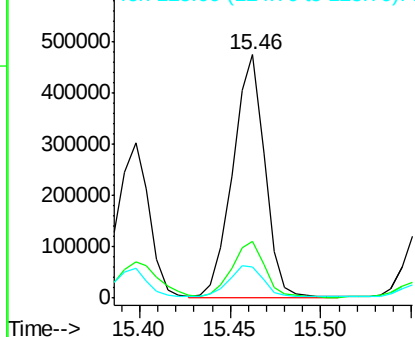


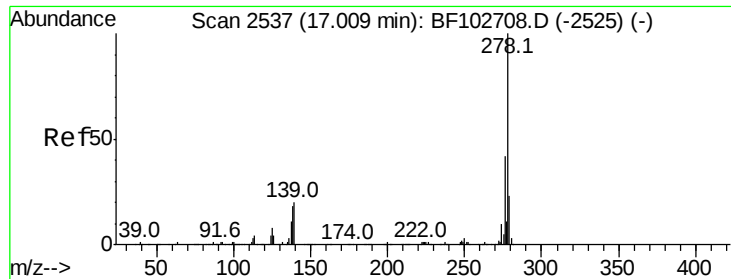
#89
Benzo(a)pyrene
Concen: 21.404 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:252 Resp: 577862
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 13.0 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.885 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

Instrument :

BNA_F

ClientSampleId :

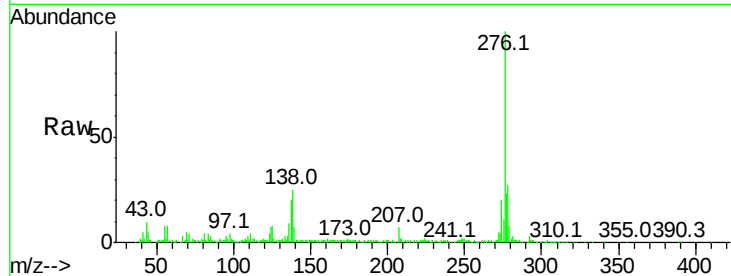
Tot Ion:278 Resp: 85140

Ion Ratio Lower Upper

278 100

139 27.0 15.9 23.9#

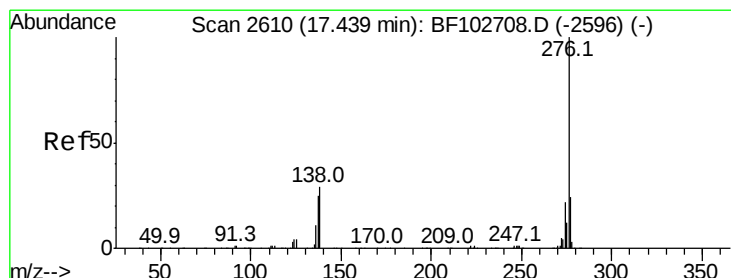
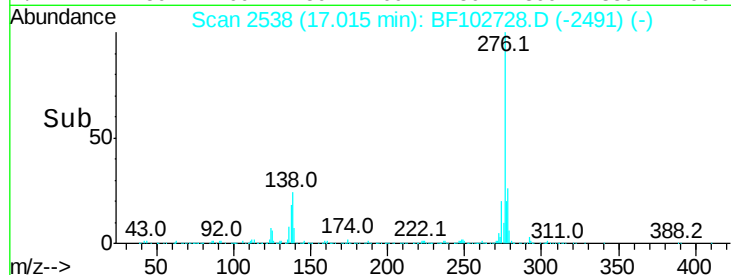
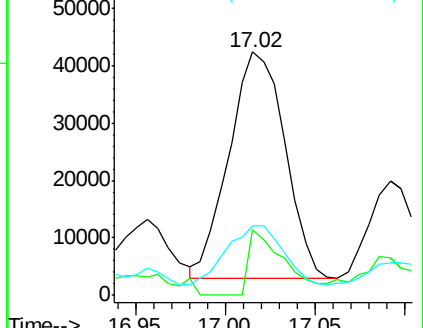
279 28.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.264 ng

RT: 17.46 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF102728.D

Acq: 5 Feb 2018 10:37

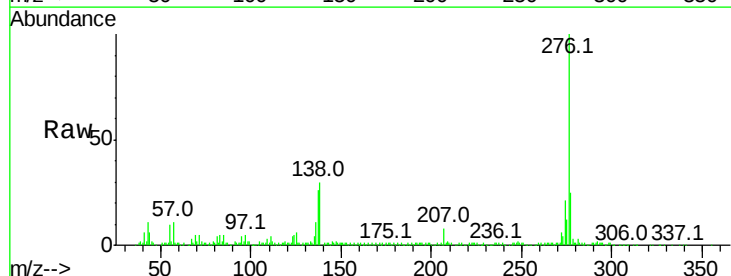
Tgt Ion:276 Resp: 284506

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 29.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

