

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
 Data File : BF078331.D
 Acq On : 8 Apr 2015 9:24
 Operator : TP/IZ
 Sample : G1792-03 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

Quant Time: Apr 08 14:43:10 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 03 14:42:25 2015
 Response via : Initial Calibration

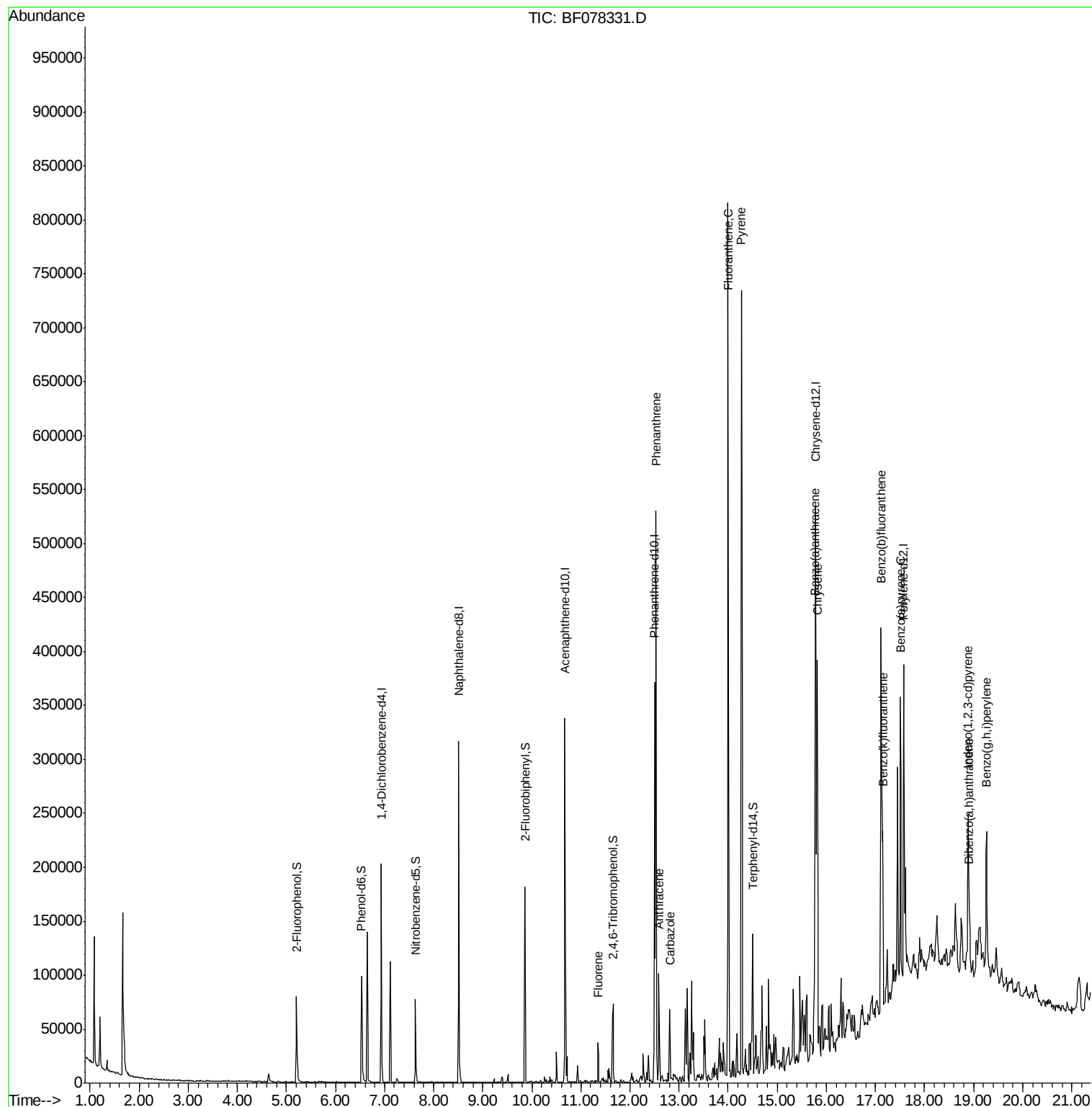
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	36638	20.00	ng	-0.05
21) Naphthalene-d8	8.51	136	149325	20.00	ng	-0.05
38) Acenaphthene-d10	10.67	164	73755	20.00	ng	-0.06
63) Phenanthrene-d10	12.50	188	146789	20.00	ng	-0.06
75) Chrysene-d12	15.78	240	156299	20.00	ng	-0.06
86) Perylene-d12	17.57	264	160360	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	34946	15.73	ng	-0.06
7) Phenol-d6	6.53	99	45284	16.26	ng	-0.03
23) Nitrobenzene-d5	7.63	82	26389	10.71	ng	-0.05
41) 2,4,6-Tribromophenol	11.65	330	10813	17.68	ng	-0.06
44) 2-Fluorobiphenyl	9.86	172	59100	11.45	ng	-0.05
78) Terphenyl-d14	14.50	244	64173	9.28	ng	-0.06
Target Compounds						Qvalue
57) Fluorene	11.34	166	15841	2.96	ng	95
70) Phenanthrene	12.53	178	252459	29.73	ng	100
71) Anthracene	12.59	178	44932	5.37	ng	98
72) Carbazole	12.81	167	29362	3.74	ng	99
74) Fluoranthene	14.00	202	375560	41.94	ng	97
77) Pyrene	14.27	202	317468	32.36	ng	# 93
80) Benzo(a)anthracene	15.77	228	172955	18.60	ng	94
82) Chrysene	15.81	228	159489	18.25	ng	99
85) Indeno(1,2,3-cd)pyrene	18.89	276	97452m	9.83	ng	
87) Benzo(b)fluoranthene	17.12	252	238310m	24.05	ng	
88) Benzo(k)fluoranthene	17.15	252	57111m	6.48	ng	
89) Benzo(a)pyrene	17.51	252	145177	16.78	ng	# 94
90) Dibenzo(a,h)anthracene	18.91	278	20775	2.40	ng	# 86
91) Benzo(g,h,i)perylene	19.27	276	96871	11.16	ng	98

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

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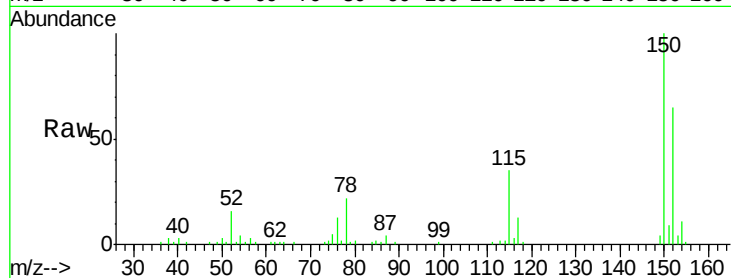


#1

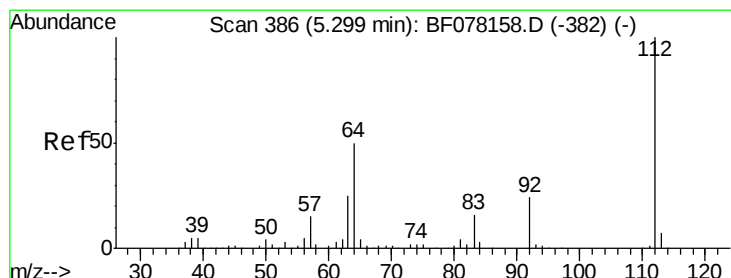
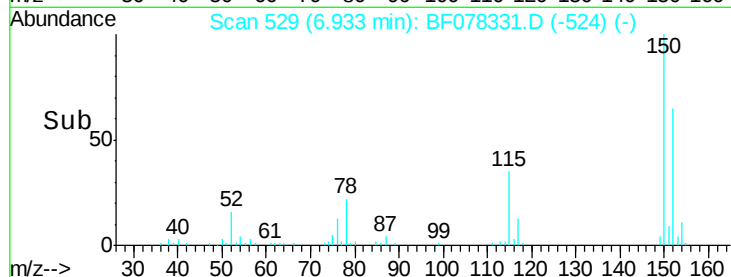
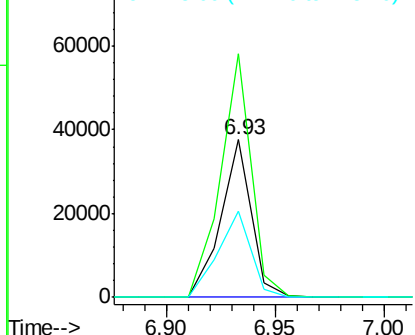
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 529
Delta R.T. -0.05 min
Lab File: BF078331.D
Acq: 8 Apr 2015 9:24

Instrument :
BNA_F
ClientSampleId :
PE-3

Tot Ion:152 Resp: 36638
Ion Ratio Lower Upper
152 100
150 154.7 125.9 188.9
115 54.8 52.7 79.1



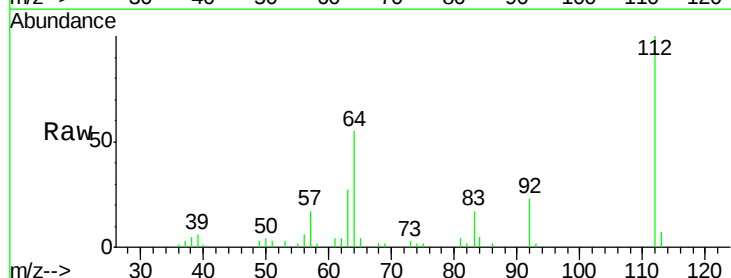
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



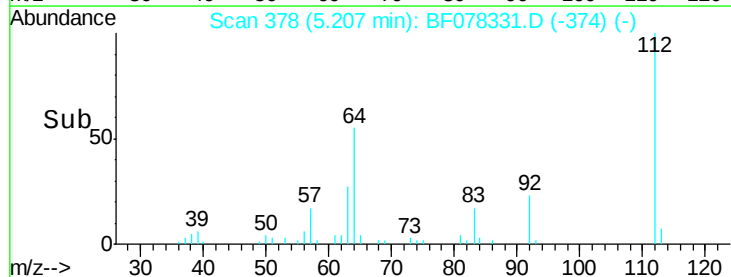
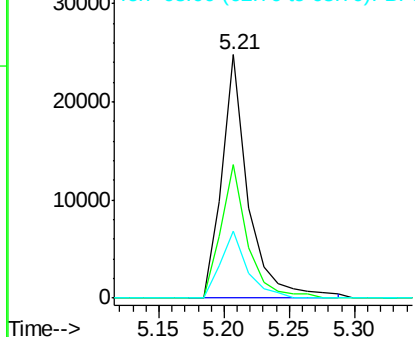
#5

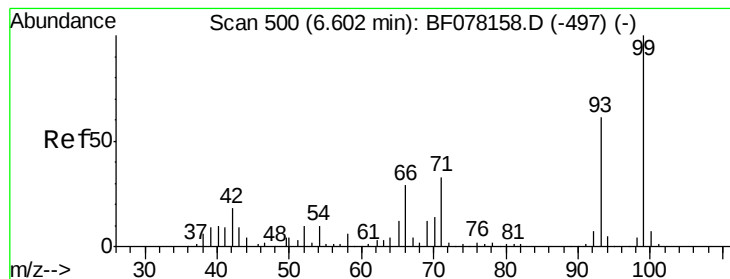
2-Fluorophenol
Concen: 15.73 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.06 min
Lab File: BF078331.D
Acq: 8 Apr 2015 9:24

Tgt Ion:112 Resp: 34946
Ion Ratio Lower Upper
112 100
64 54.9 39.9 59.9
63 27.4 20.2 30.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.26 ng

RT: 6.53 min Scan# 494

Delta R.T. -0.03 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

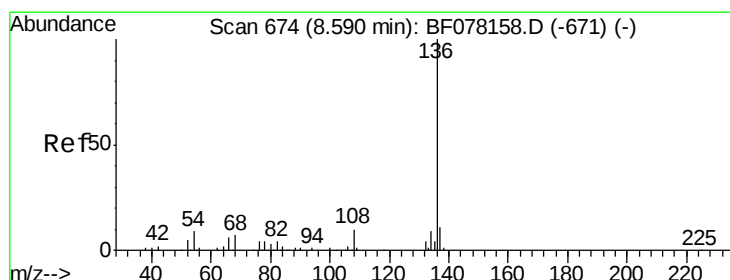
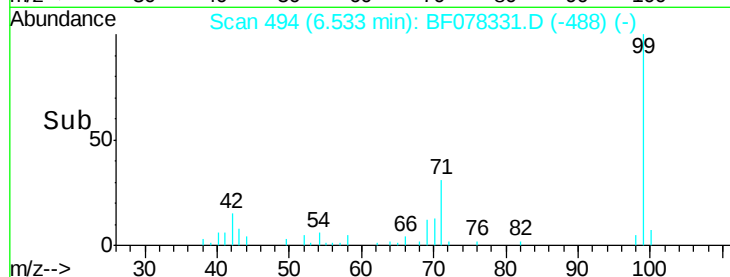
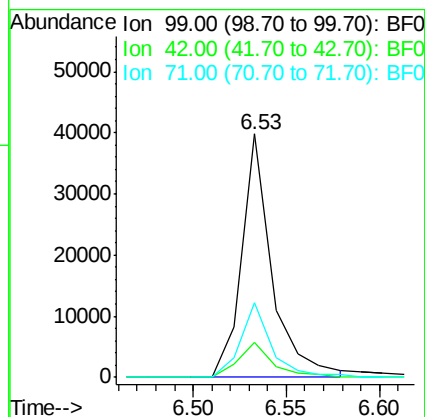
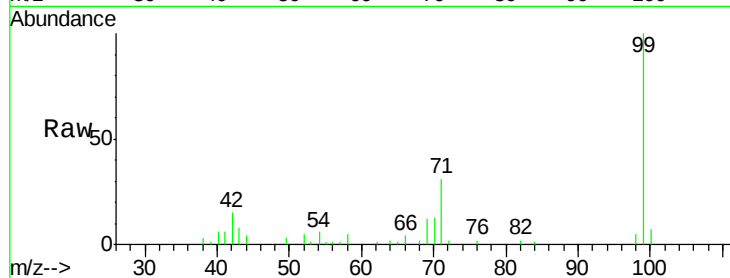
BNA_F

ClientSampled :

PE-3

Tot Ion: 99 Resp: 45284

Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.8	22.2#
71	30.6	26.6	39.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.51 min Scan# 667

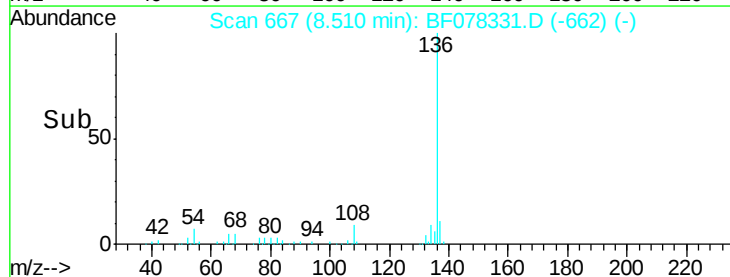
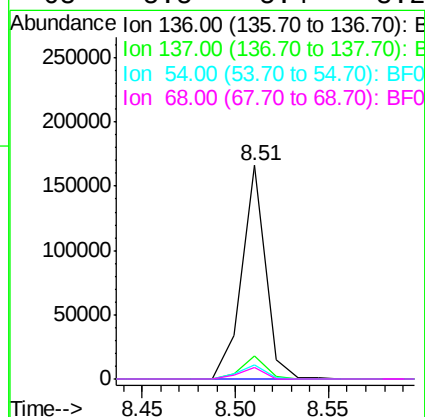
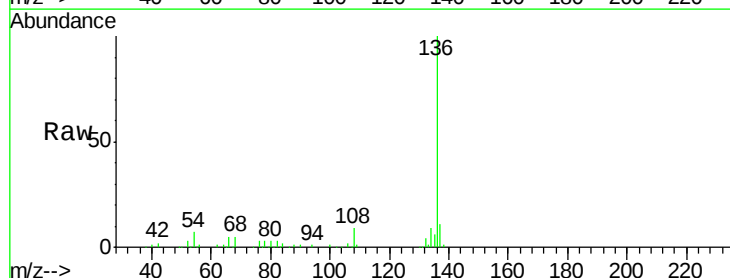
Delta R.T. -0.05 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Tgt Ion: 136 Resp: 149325

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.5	7.0	10.6#
68	5.5	5.4	8.2

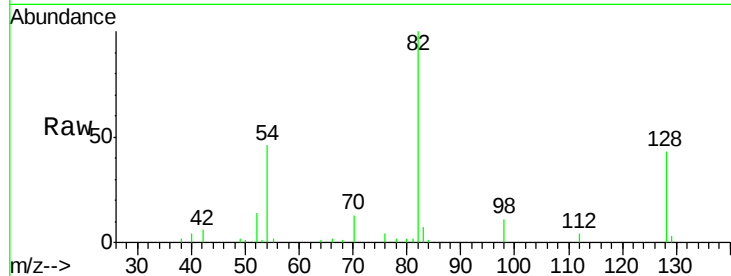




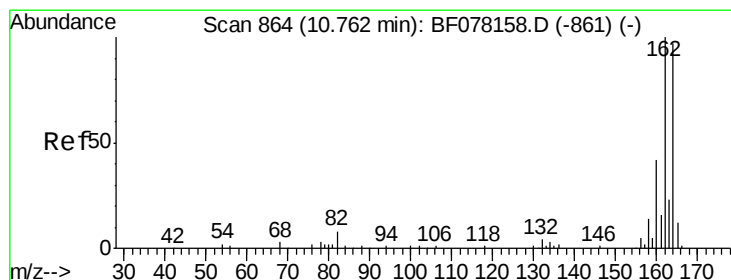
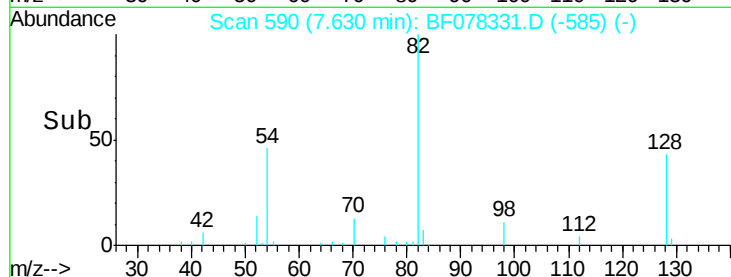
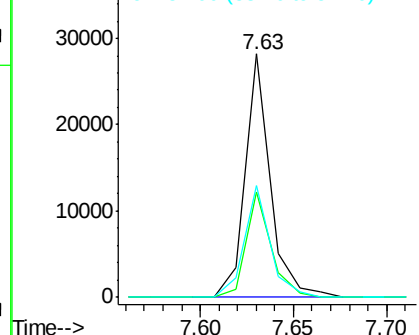
#23
 Nitrobenzene-d5
 Concen: 10.71 ng
 RT: 7.63 min Scan# 590
 Delta R.T. -0.05 min
 Lab File: BF078331.D
 Acq: 8 Apr 2015 9:24

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

Tot Ion: 82 Resp: 26389
 Ion Ratio Lower Upper
 82 100
 128 43.4 31.8 47.8
 54 46.1 41.5 62.3

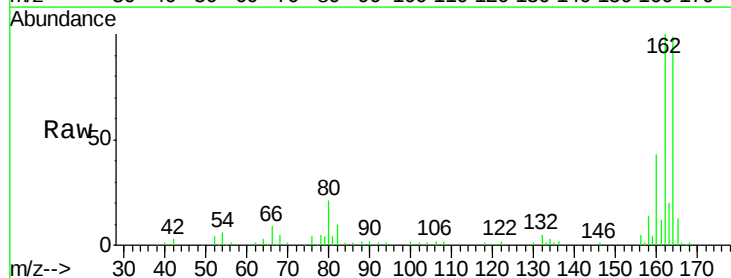


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

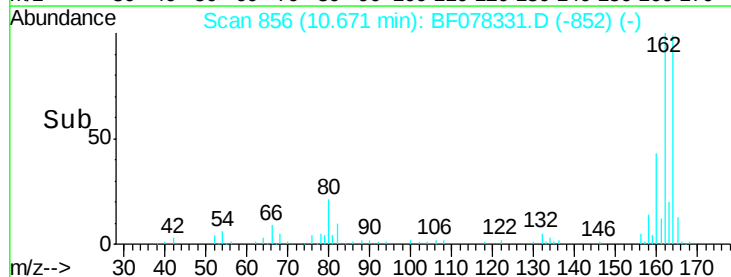
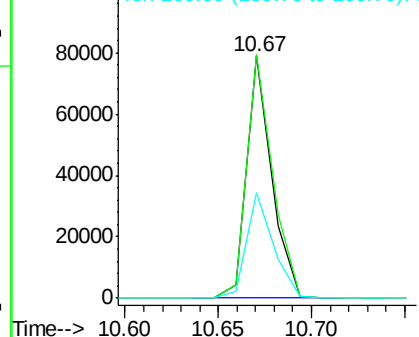


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 856
 Delta R.T. -0.06 min
 Lab File: BF078331.D
 Acq: 8 Apr 2015 9:24

Tgt Ion:164 Resp: 73755
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.2 123.2
 160 43.3 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 17.68 ng

RT: 11.65 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

BNA_F

ClientSampleId :

PE-3

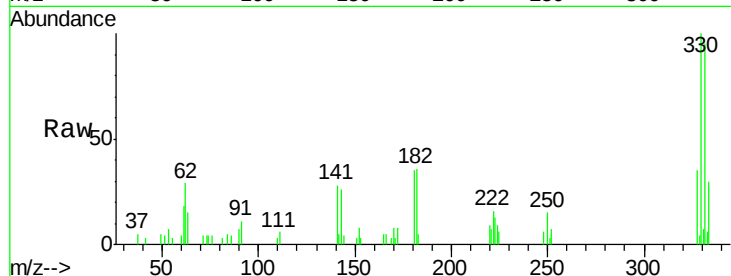
Tot Ion:330 Resp: 10813

Ion Ratio Lower Upper

330 100

332 93.3 78.6 117.8

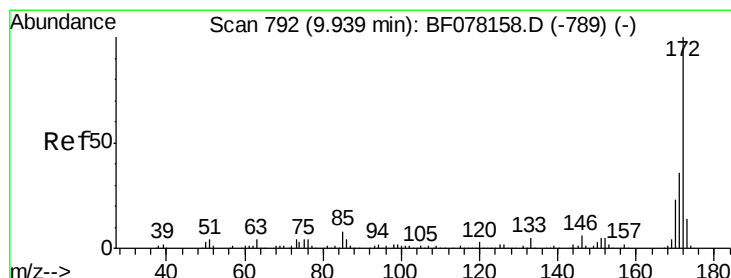
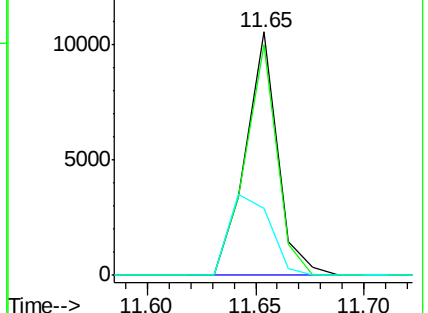
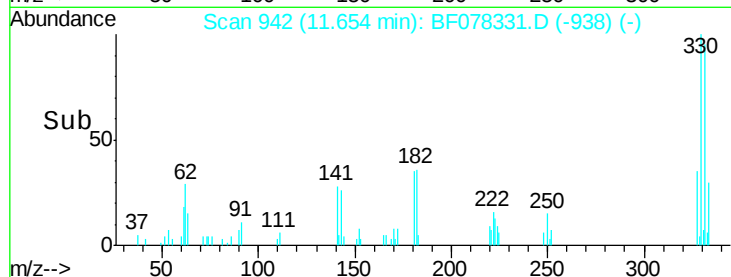
141 42.8 31.2 46.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 11.45 ng

RT: 9.86 min Scan# 785

Delta R.T. -0.05 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

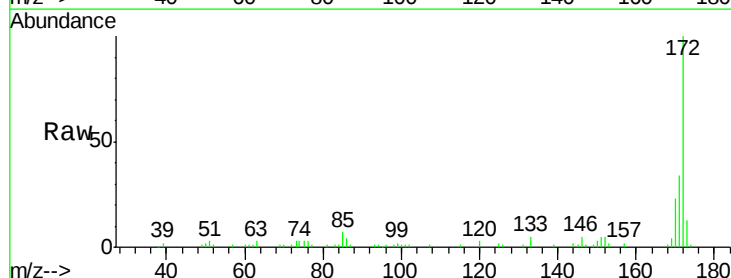
Tgt Ion:172 Resp: 59100

Ion Ratio Lower Upper

172 100

171 34.1 28.6 42.8

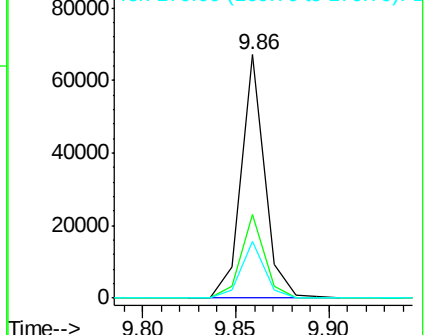
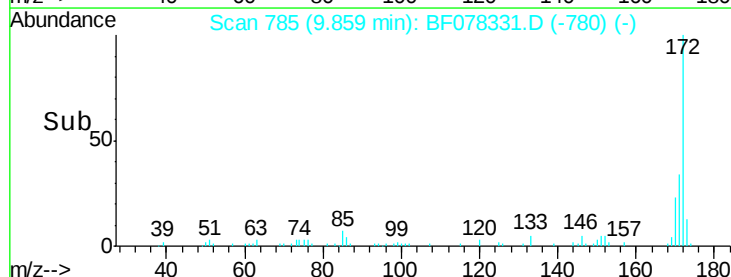
170 23.4 18.5 27.7

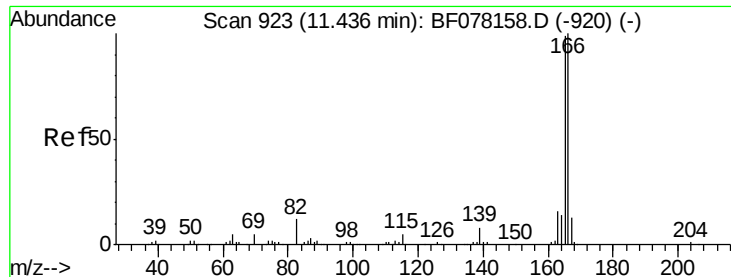


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#57

Fluorene

Concen: 2.96 ng

RT: 11.34 min Scan# 915

Delta R.T. -0.06 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

BNA_F

ClientSampleId :

PE-3

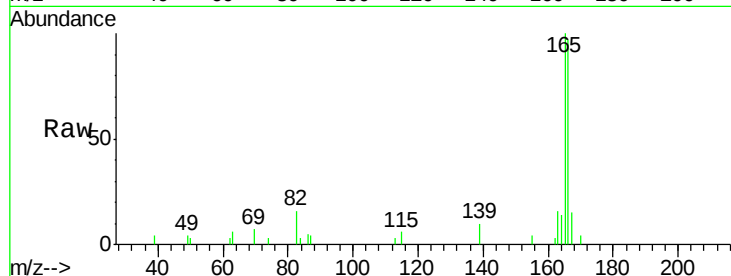
Tot Ion:166 Resp: 15841

Ion Ratio Lower Upper

166 100

165 103.0 78.9 118.3

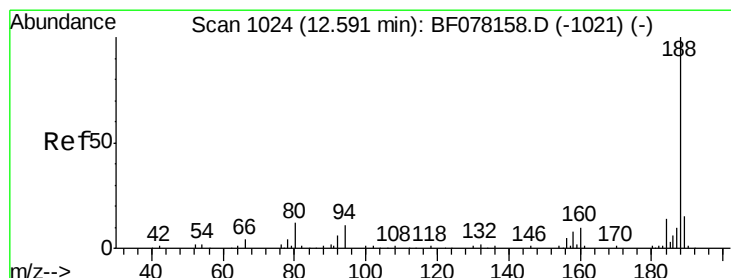
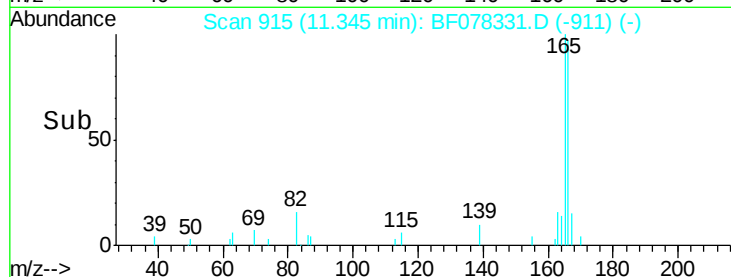
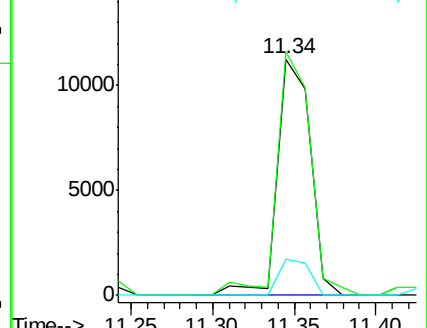
167 15.4 10.7 16.1



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: 20.00 ng

RT: 12.50 min Scan# 1016

Delta R.T. -0.06 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

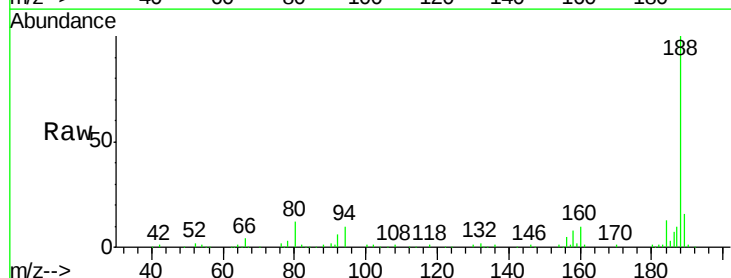
Tgt Ion:188 Resp: 146789

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.4

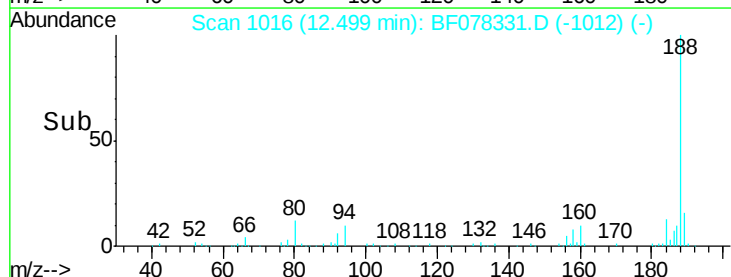
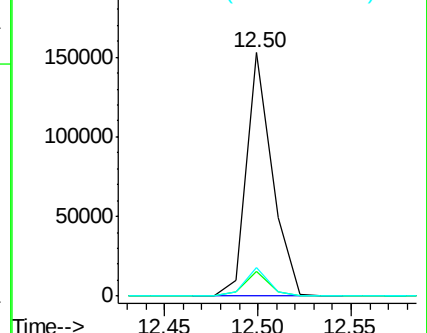
80 11.6 9.5 14.3

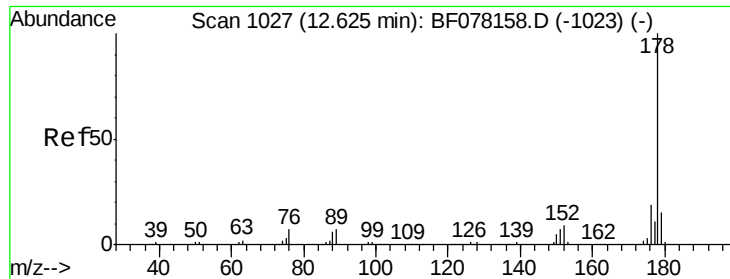


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

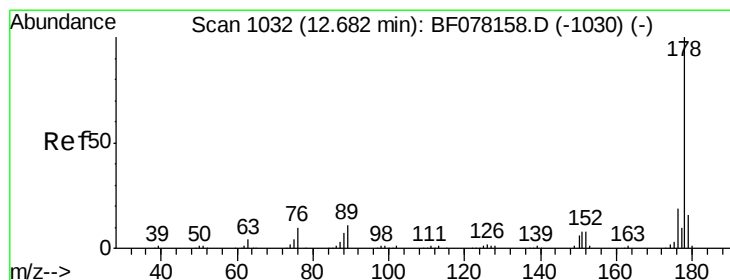
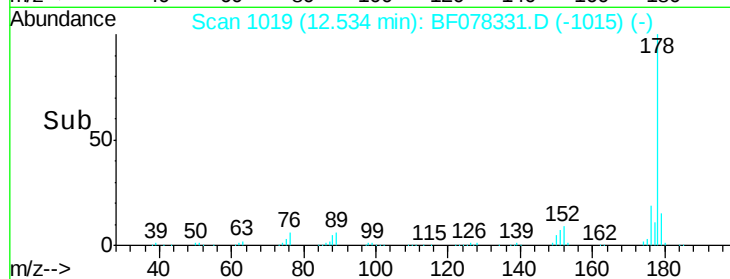
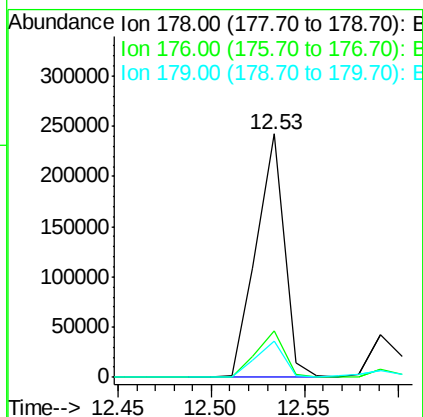
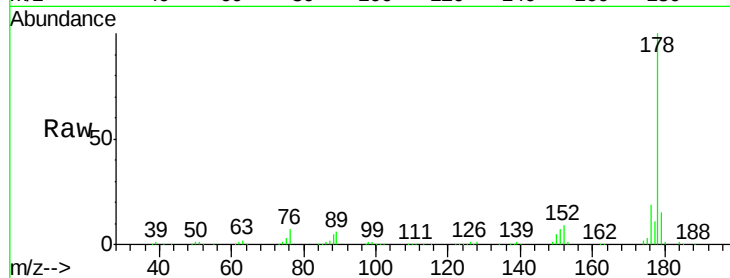




#70
 Phenanthrene
 Concen: 29.73 ng
 RT: 12.53 min Scan# 1019
 Delta R.T. -0.06 min
 Lab File: BF078331.D
 Acq: 8 Apr 2015 9:24

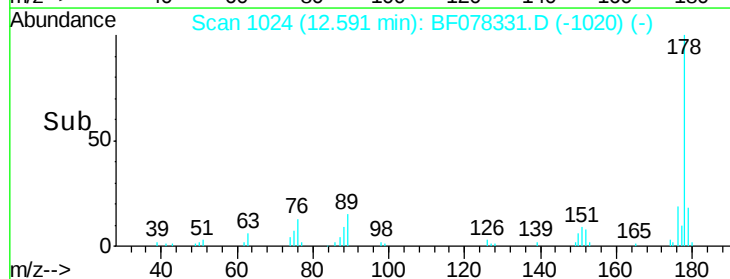
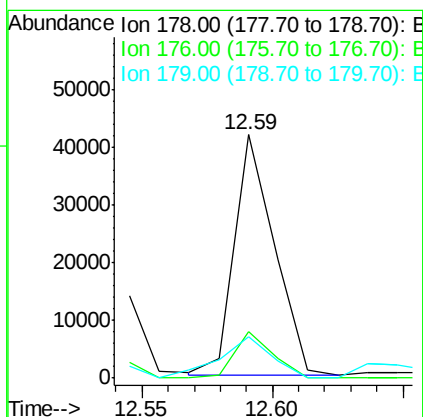
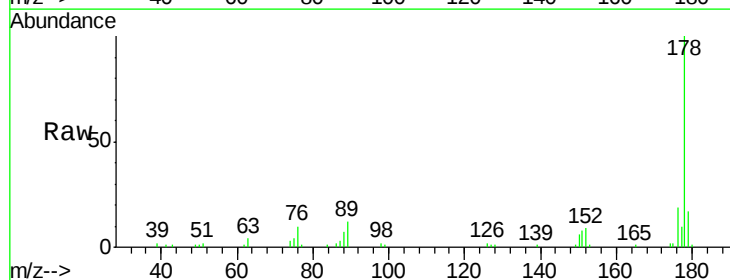
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 BNA_F
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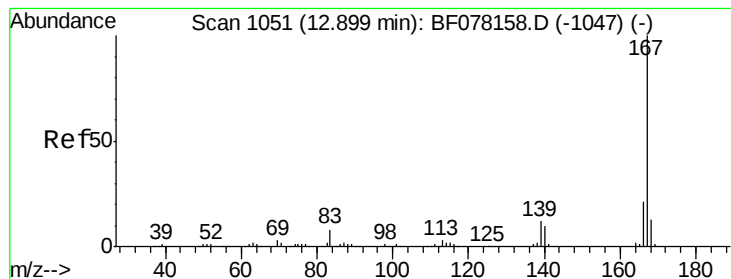
Tot Ion:178 Resp: 252459
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.1 12.2 18.2



#71
 Anthracene
 Concen: 5.37 ng
 RT: 12.59 min Scan# 1024
 Delta R.T. -0.06 min
 Lab File: BF078331.D
 Acq: 8 Apr 2015 9:24

Tgt Ion:178 Resp: 44932
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.8 22.2
 179 17.0 12.4 18.6





#72

Carbazole

Concen: 3.74 ng

RT: 12.81 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

BNA_F

ClientSampleId :

PE-3

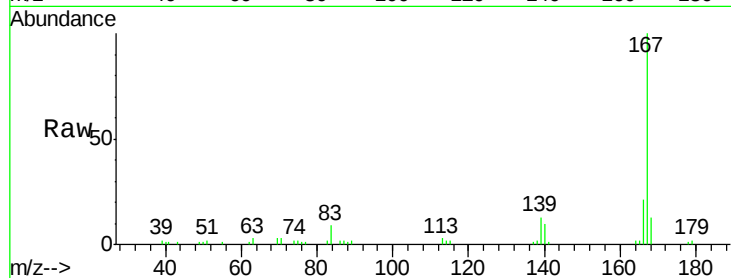
Tot Ion:167 Resp: 29362

Ion Ratio Lower Upper

167 100

166 21.5 16.8 25.2

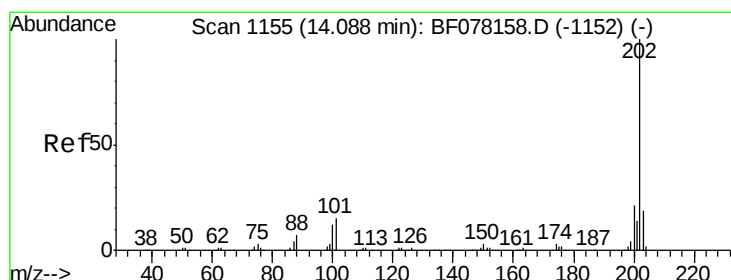
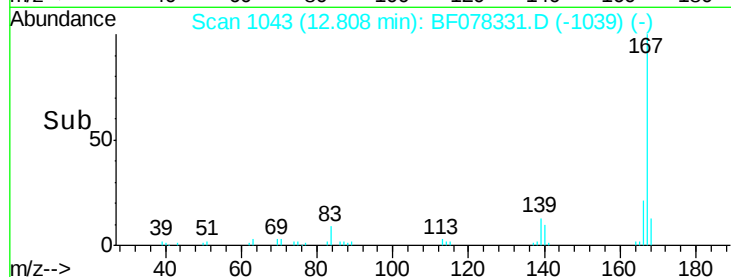
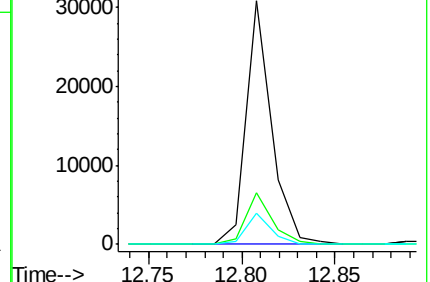
139 12.8 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 41.94 ng

RT: 14.00 min Scan# 1147

Delta R.T. -0.06 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

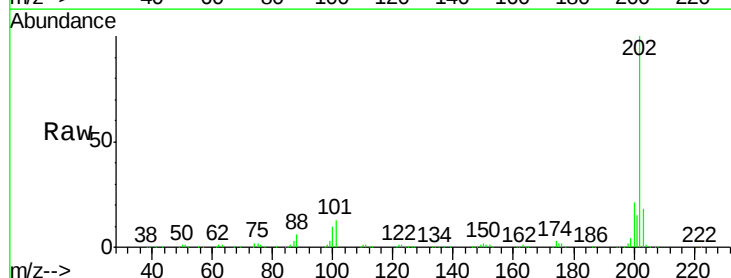
Tgt Ion:202 Resp: 375560

Ion Ratio Lower Upper

202 100

101 12.7 0.0 35.2

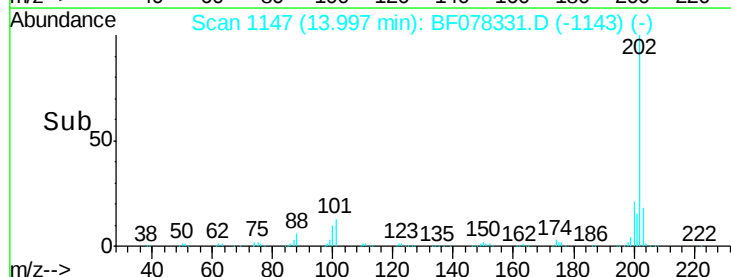
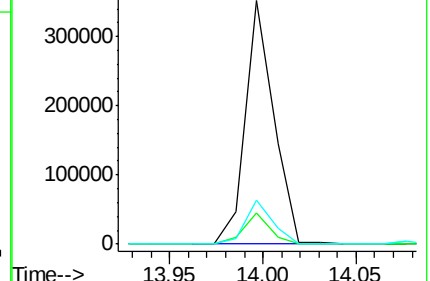
203 18.0 0.0 38.5

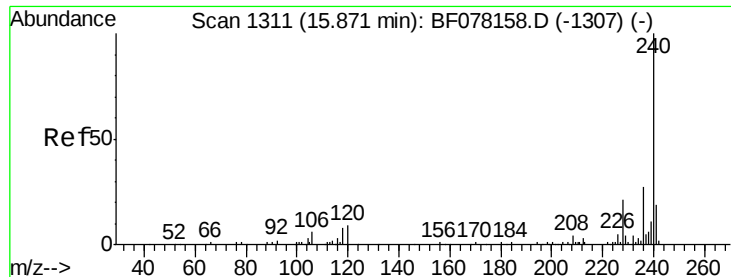


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.78 min Scan# 1303

Delta R.T. -0.06 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

BNA_F

ClientSampleId :

PE-3

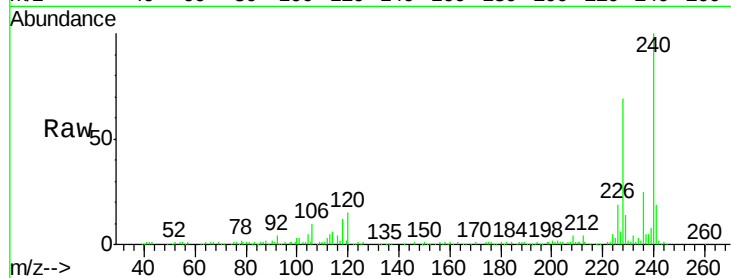
Tot Ion:240 Resp: 156299

Ion Ratio Lower Upper

240 100

120 15.1 7.1 10.7#

236 24.9 21.4 32.2



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

15.78

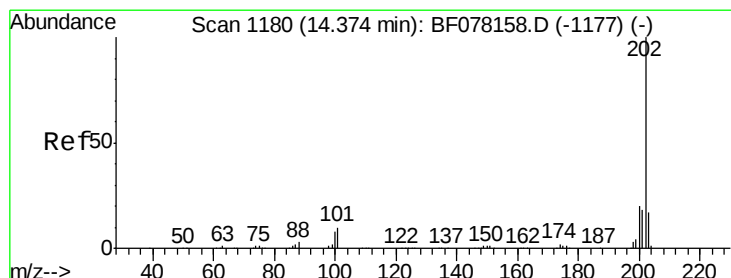
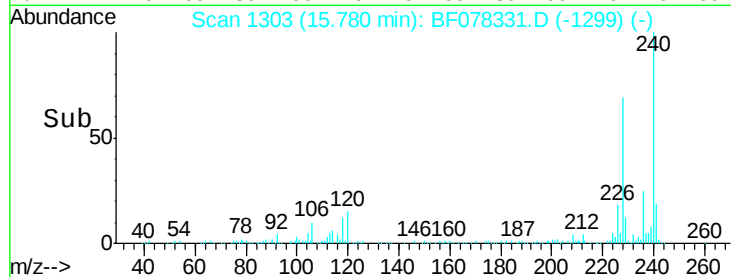
100000

50000

0

15.75 15.80

Time-->



#77

Pyrene

Concen: 32.36 ng

RT: 14.27 min Scan# 1171

Delta R.T. -0.07 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

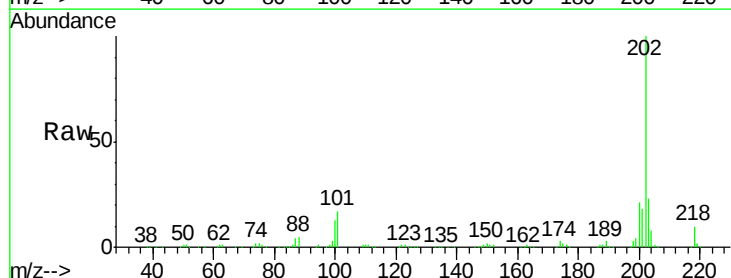
Tgt Ion:202 Resp: 317468

Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

203 22.6 13.8 20.6#



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

14.27

300000

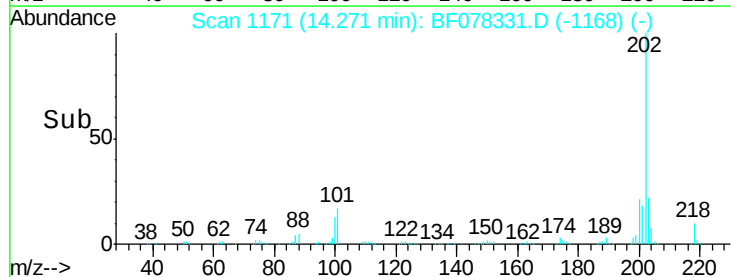
200000

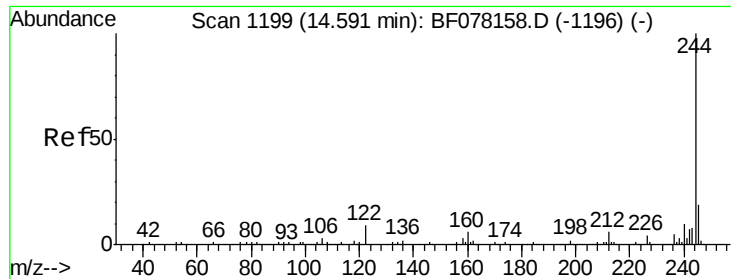
100000

0

14.20 14.25 14.30 14.35

Time-->

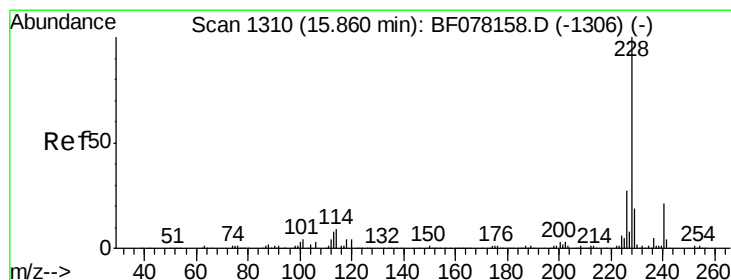
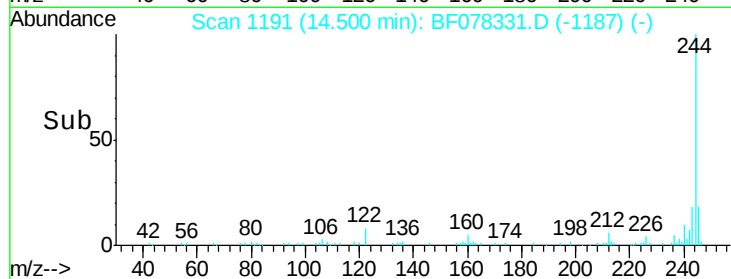
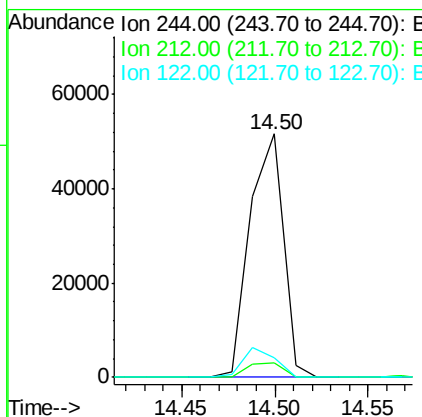
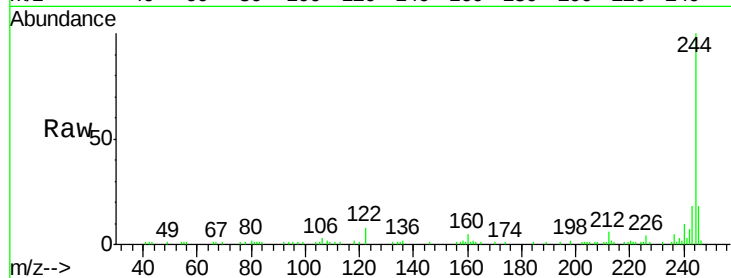




#78
 Terphenyl-d14
 Concen: 9.28 ng
 RT: 14.50 min Scan# 1191
 Delta R.T. -0.06 min
 Lab File: BF078331.D
 Acq: 8 Apr 2015 9:24

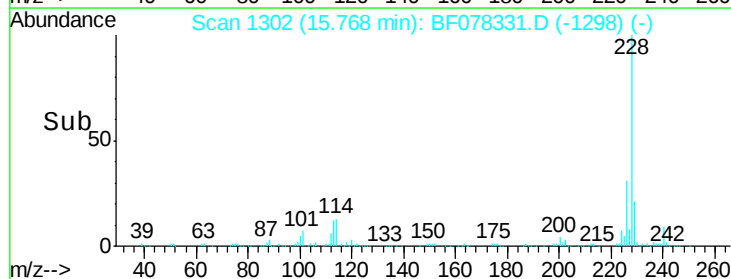
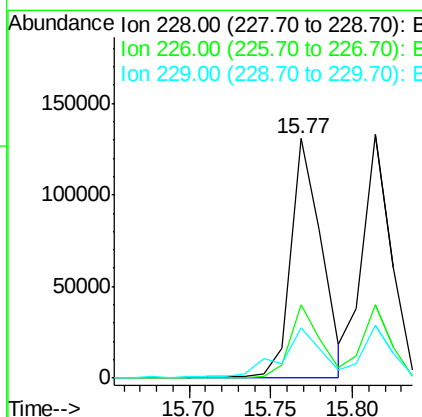
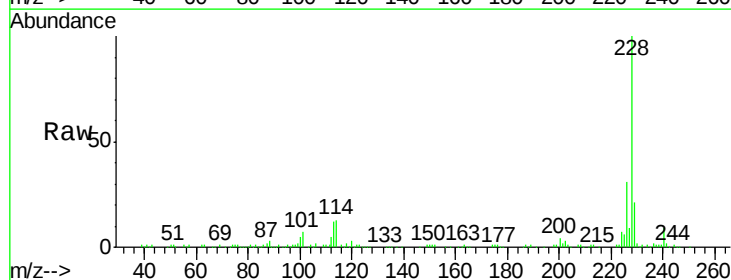
Instrument :
 BNA_F
 ClientSampleId :
 PE-3

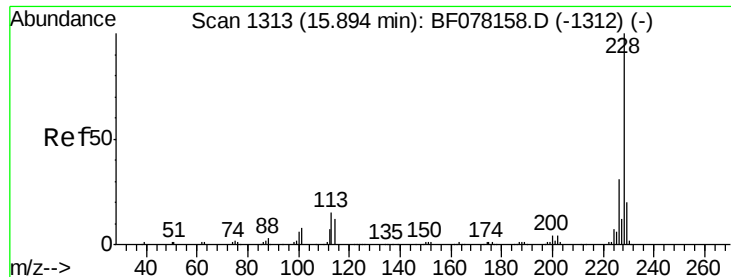
Tot Ion:244 Resp: 64173
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 8.1 7.1 10.7



#80
 Benzo(a)anthracene
 Concen: 18.60 ng
 RT: 15.77 min Scan# 1302
 Delta R.T. -0.06 min
 Lab File: BF078331.D
 Acq: 8 Apr 2015 9:24

Tgt Ion:228 Resp: 172955
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.3 31.9
 229 21.0 15.4 23.2

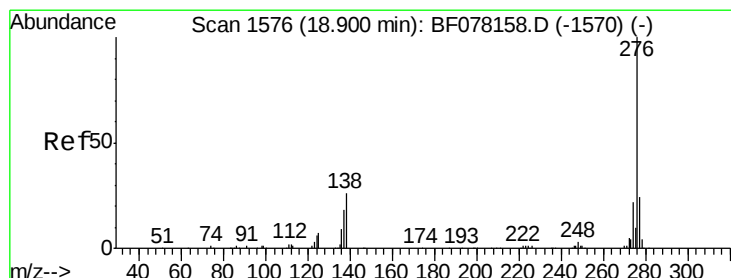
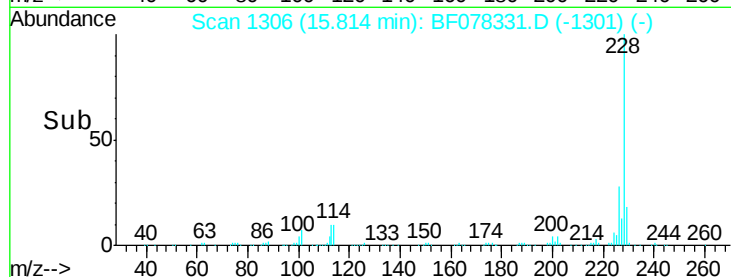
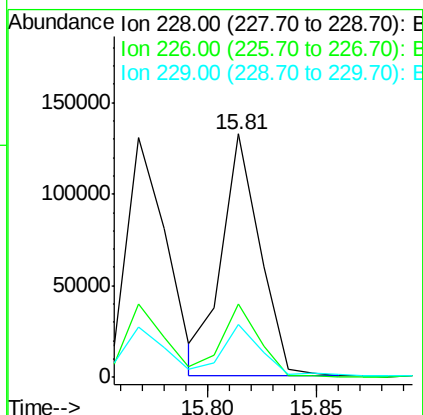
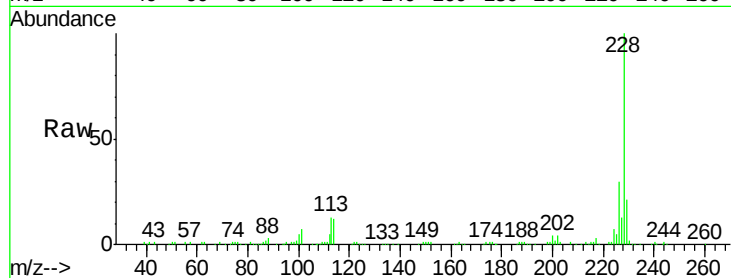




#82
Chrysene
Concen: 18.25 ng
RT: 15.81 min Scan# 1306
Delta R.T. -0.05 min
Lab File: BF078331.D
Acq: 8 Apr 2015 9:24

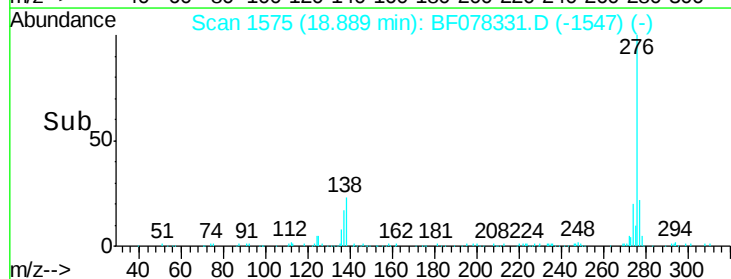
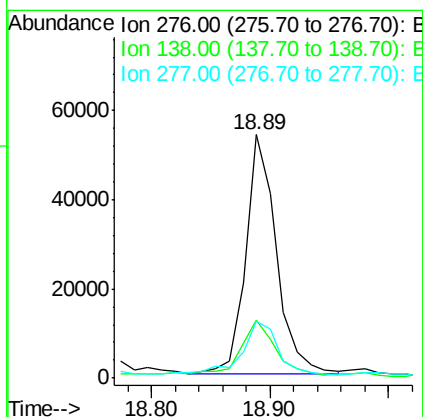
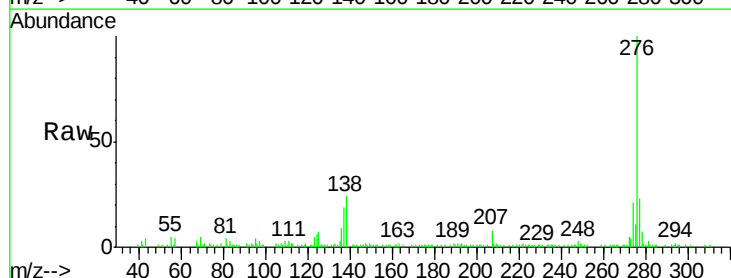
Instrument :
BNA_F
ClientSampleId :
PE-3

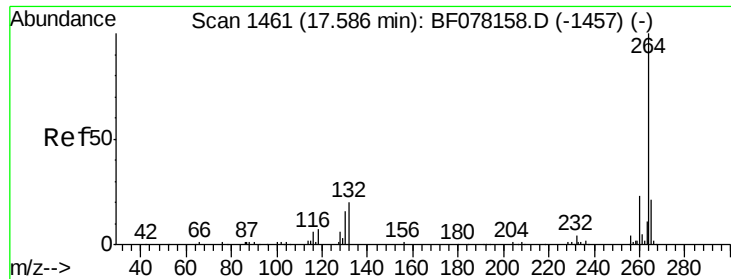
Tot Ion:228 Resp: 159489
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 21.5 15.8 23.8



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.83 ng m
RT: 18.89 min Scan# 1575
Delta R.T. 0.02 min
Lab File: BF078331.D
Acq: 8 Apr 2015 9:24

Tgt Ion:276 Resp: 97452
Ion Ratio Lower Upper
276 100
138 5.1 16.9 25.3#
277 4.6 15.8 23.6#

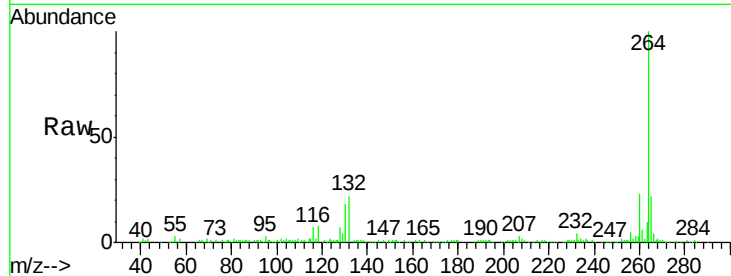




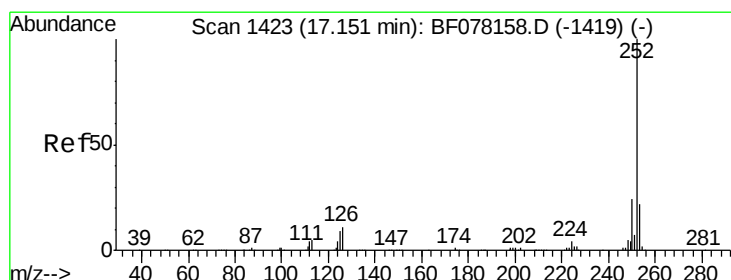
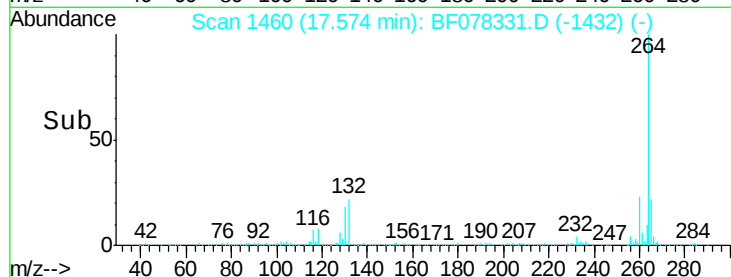
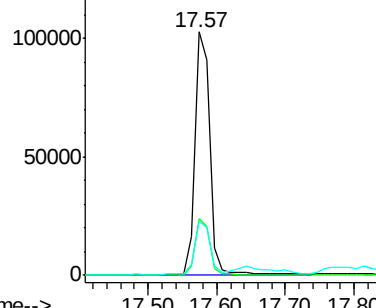
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.57 min Scan# 1460
Delta R.T. 0.02 min
Lab File: BF078331.D
Acq: 8 Apr 2015 9:24

Instrument :
BNA_F
ClientSampled :
PE-3

Tot Ion:264 Resp: 160360
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 22.3 17.0 25.6

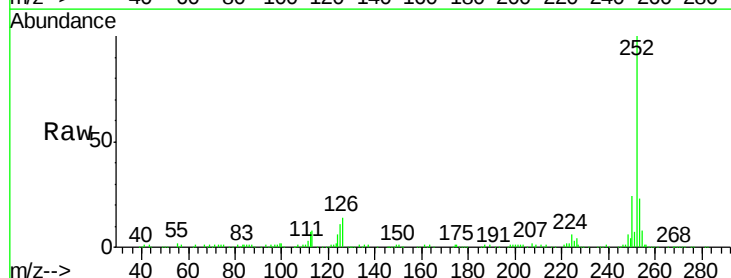


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

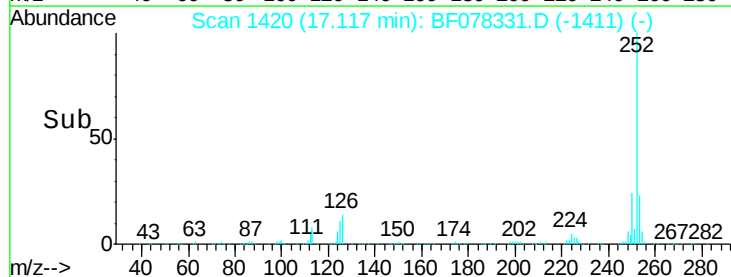
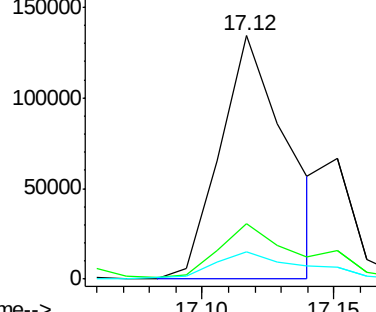


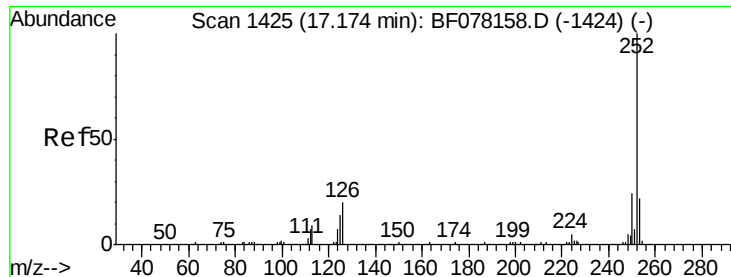
#87
Benzo(b)fluoranthene
Concen: 24.05 ng m
RT: 17.12 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF078331.D
Acq: 8 Apr 2015 9:24

Tgt Ion:252 Resp: 238310
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.4 7.0 10.4#



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





#88

Benzo(k)fluoranthene

Concen: 6.48 ng/mL

RT: 17.15 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

BNA_F

ClientSampleId :

PE-3

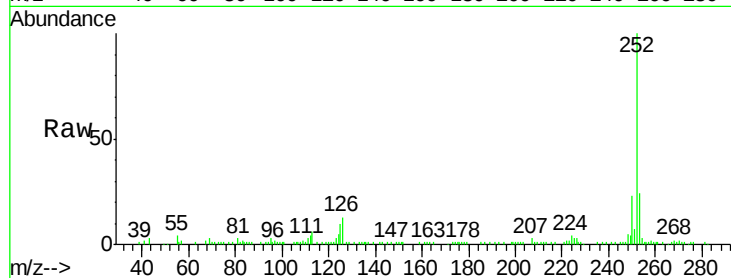
Tot Ion:252 Resp: 57111

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

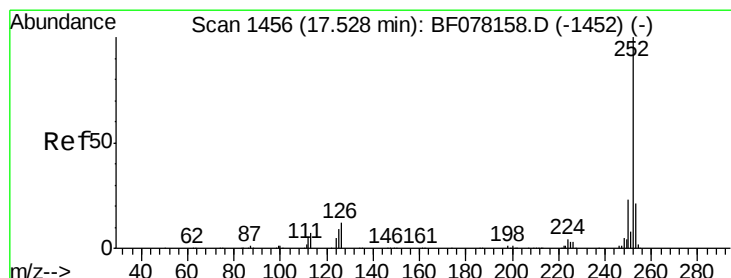
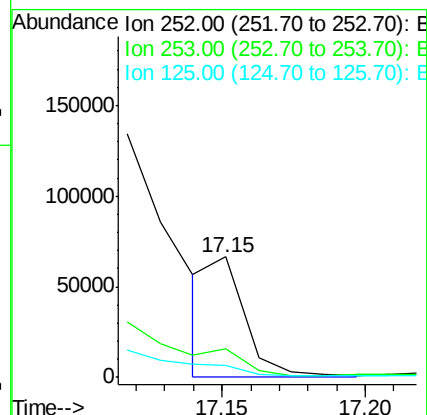
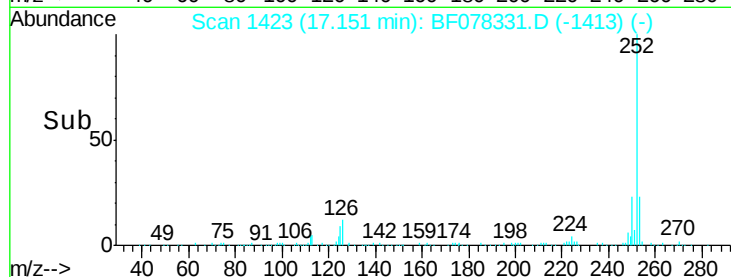
125 10.1 11.6 17.4#



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: 16.78 ng/mL

RT: 17.51 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

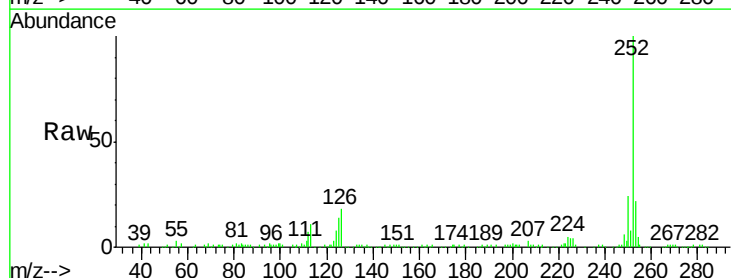
Tgt Ion:252 Resp: 145177

Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

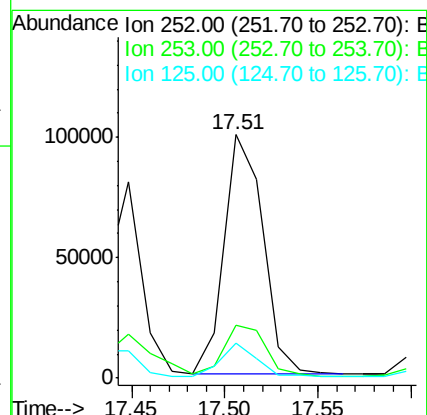
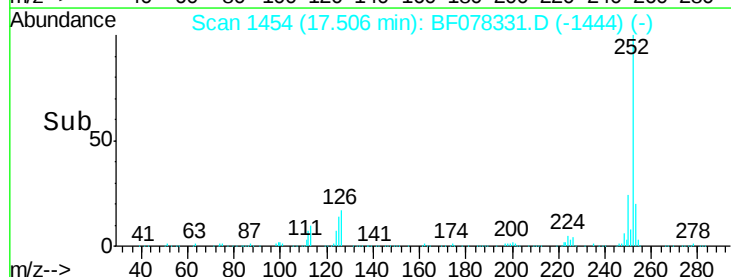
125 14.4 7.4 11.0#

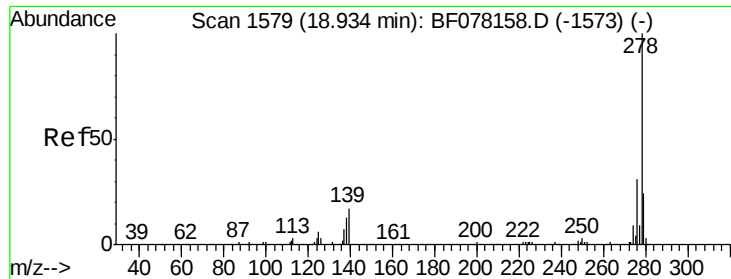


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.40 ng

RT: 18.91 min Scan# 1577

Delta R.T. 0.01 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

Instrument :

BNA_F

ClientSampled :

PE-3

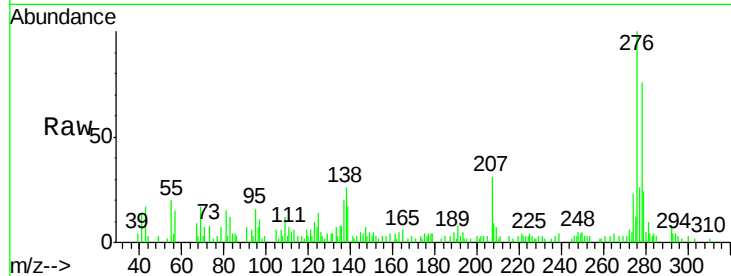
Tot Ion:278 Resp: 20775

Ion Ratio Lower Upper

278 100

139 21.9 13.6 20.4#

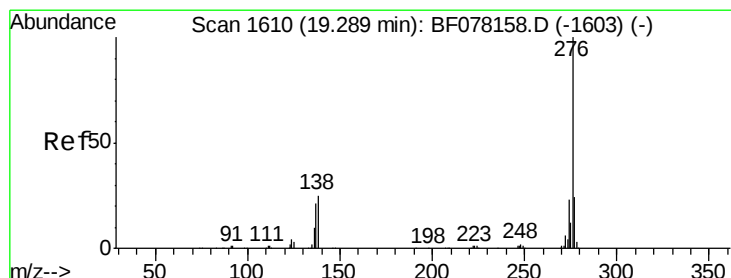
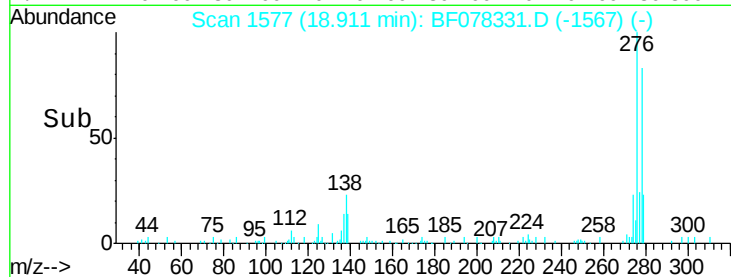
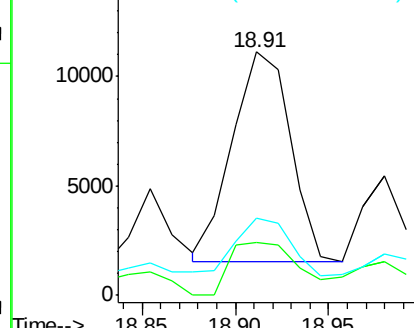
279 31.8 19.0 28.6#



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: 11.16 ng

RT: 19.27 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BF078331.D

Acq: 8 Apr 2015 9:24

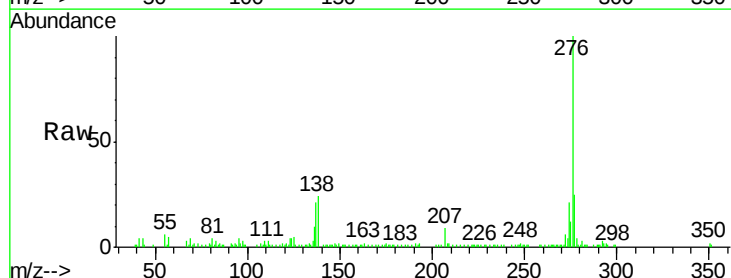
Tgt Ion:276 Resp: 96871

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 23.9 19.9 29.9



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

