

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078524.D
 Acq On : 15 Apr 2015 3:11
 Operator : TP/IZ
 Sample : G1850-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Quant Time: Apr 15 05:09:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

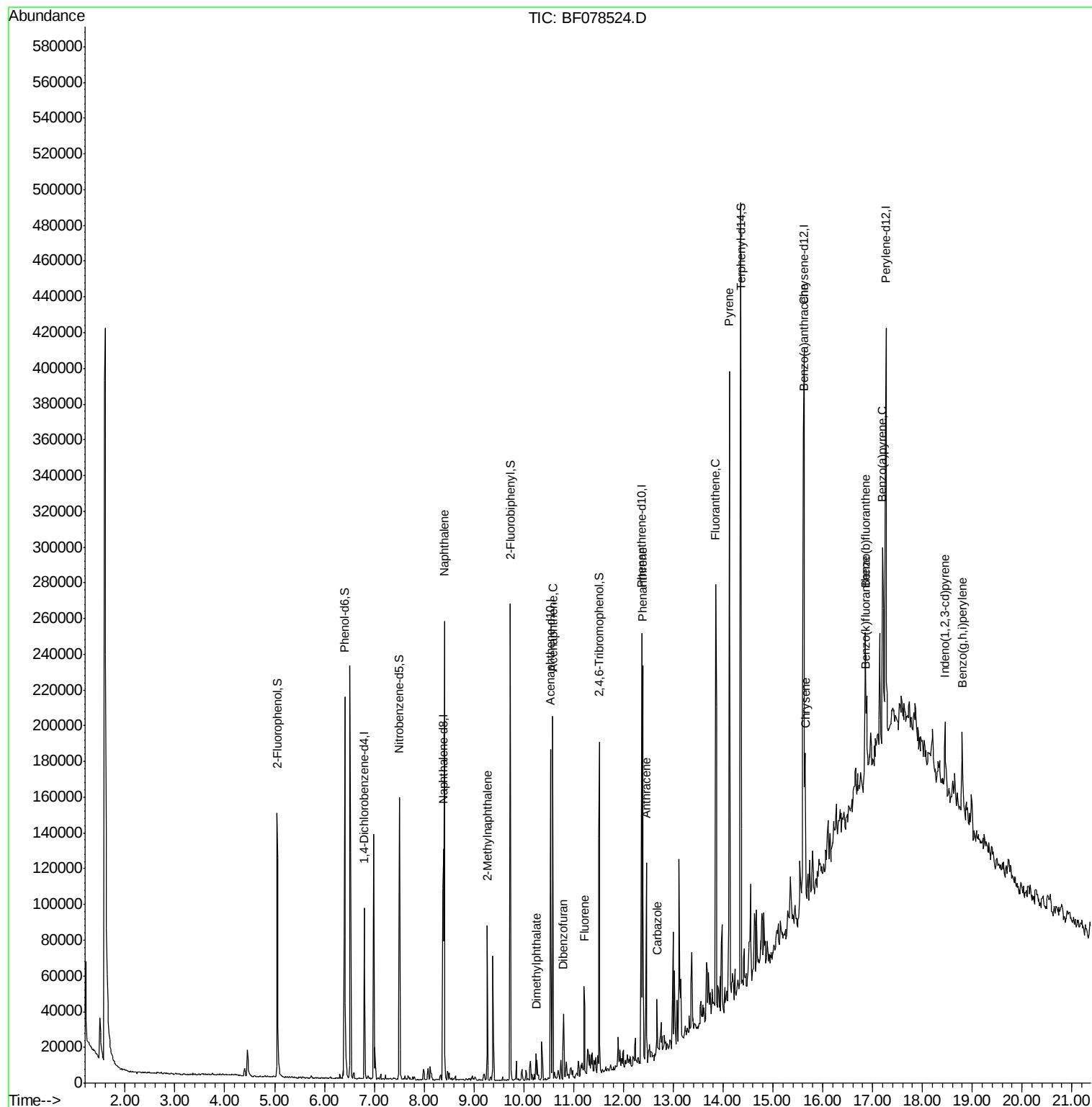
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	19888	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	85154	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	44429	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	96109	20.00	ng	0.00
75) Chrysene-d12	15.62	240	109832	20.00	ng	-0.03
86) Perylene-d12	17.27	264	119611	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	69039	57.24	ng	0.00
7) Phenol-d6	6.41	99	94204	62.32	ng	0.00
23) Nitrobenzene-d5	7.51	82	52812	37.59	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	26694	72.44	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	120261	38.69	ng	0.00
78) Terphenyl-d14	14.35	244	149683	30.80	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.41	128	122504	27.64	ng	99
37) 2-Methylnaphthalene	9.27	142	24221	8.05	ng	99
49) Dimethylphthalate	10.25	163	10469	3.14	ng	# 96
51) Acenaphthene	10.58	154	49658	19.10	ng	98
54) Dibenzofuran	10.80	168	16786	4.23	ng	94
57) Fluorene	11.21	166	21977	6.83	ng	98
70) Phenanthrene	12.39	178	95925	17.25	ng	99
71) Anthracene	12.46	178	44690	8.16	ng	98
72) Carbazole	12.67	167	13174	2.57	ng	95
74) Fluoranthene	13.85	202	130930	22.33	ng	97
77) Pyrene	14.13	202	180019	26.11	ng	96
80) Benzo(a)anthracene	15.61	228	71622	10.96	ng	# 89
82) Chrysene	15.66	228	42132m	6.86	ng	
85) Indeno(1,2,3-cd)pyrene	18.46	276	21906m	3.14	ng	
87) Benzo(b)fluoranthene	16.86	252	47852m	6.47	ng	
88) Benzo(k)fluoranthene	16.87	252	16386m	2.49	ng	
89) Benzo(a)pyrene	17.20	252	53521	8.30	ng	# 88
91) Benzo(g,h,i)perylene	18.80	276	28153m	4.35	ng	

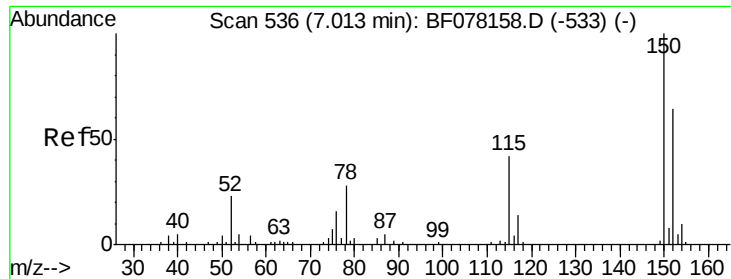
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

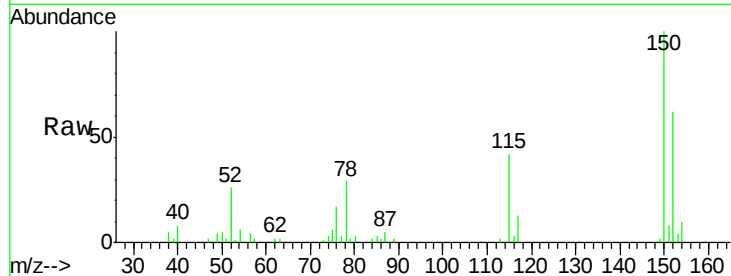
Tgt Ion:152 Resp: 19888

Ion Ratio Lower Upper

152 100

150 161.3 125.9 188.9

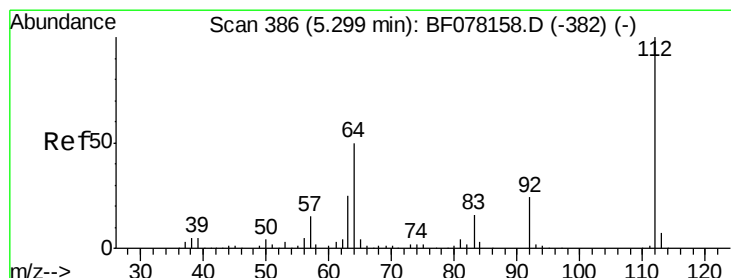
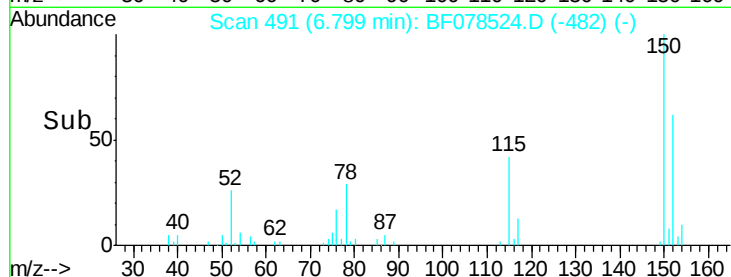
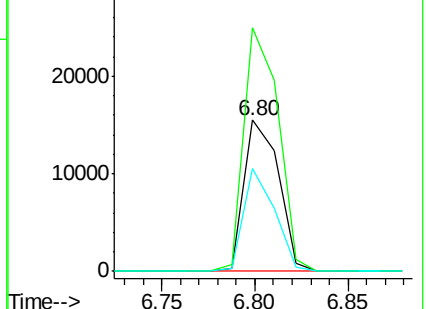
115 67.9 52.7 79.1



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: 57.24 ng

RT: 5.05 min Scan# 338

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

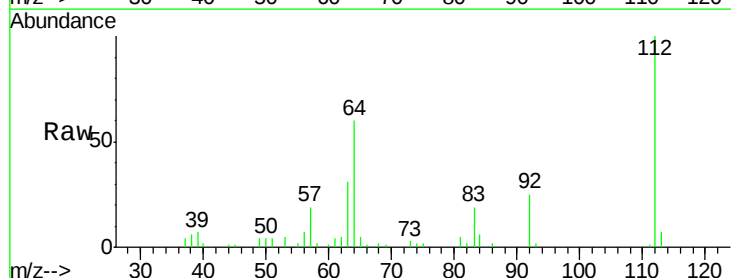
Tgt Ion:112 Resp: 69039

Ion Ratio Lower Upper

112 100

64 60.5 39.9 59.9#

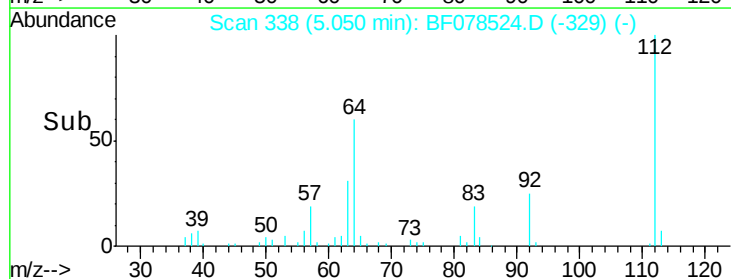
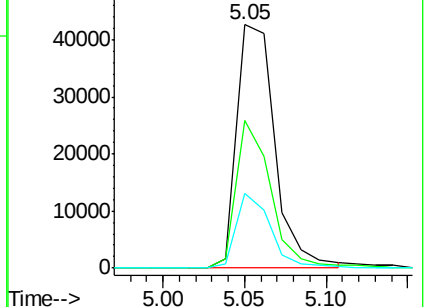
63 30.9 20.2 30.4#

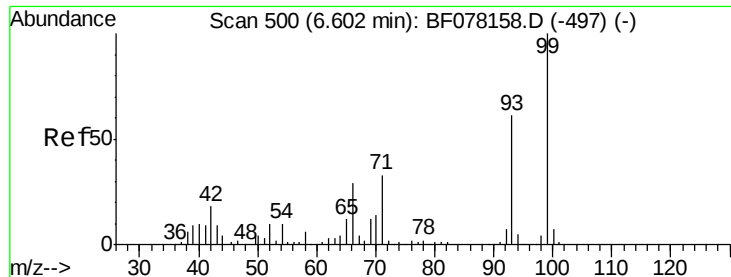


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 62.32 ng

RT: 6.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleID :

FD-1-20150409

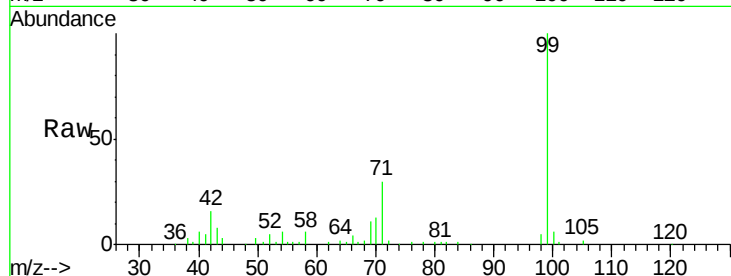
Tgt Ion: 99 Resp: 94204

Ion Ratio Lower Upper

99 100

42 15.6 14.8 22.2

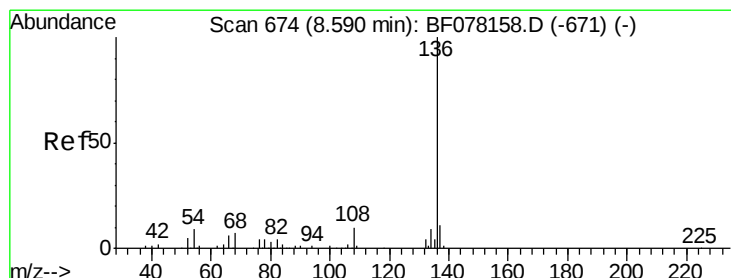
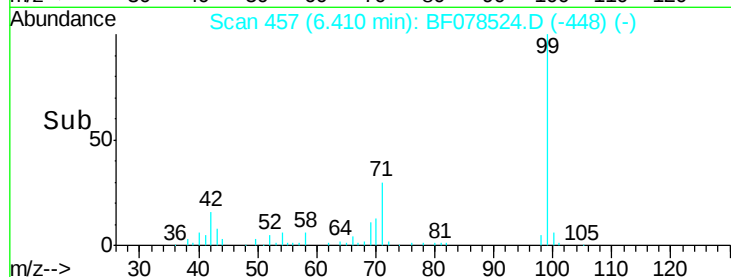
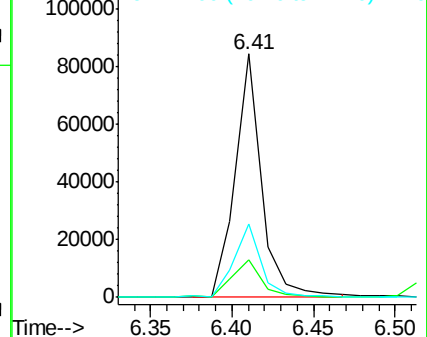
71 30.2 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.39 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Tgt Ion: 136 Resp: 85154

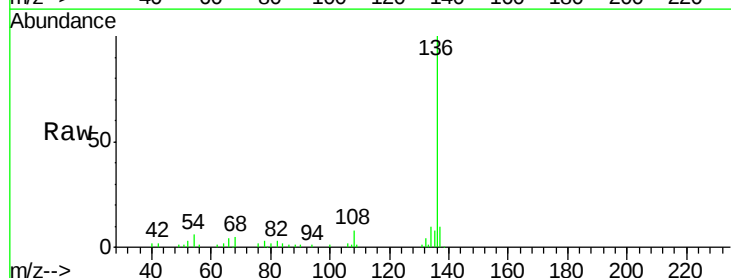
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.5 7.0 10.6#

68 4.5 5.4 8.2#

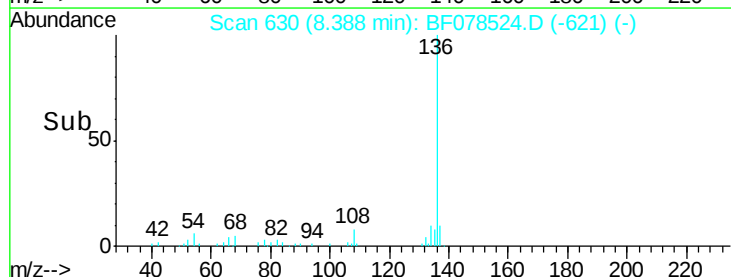
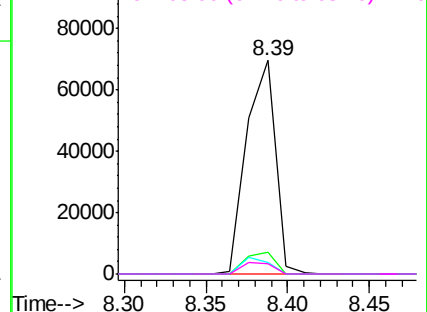


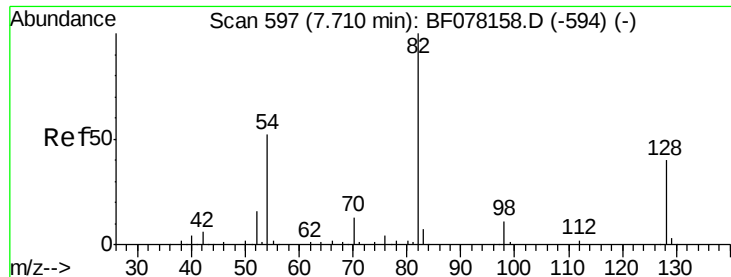
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

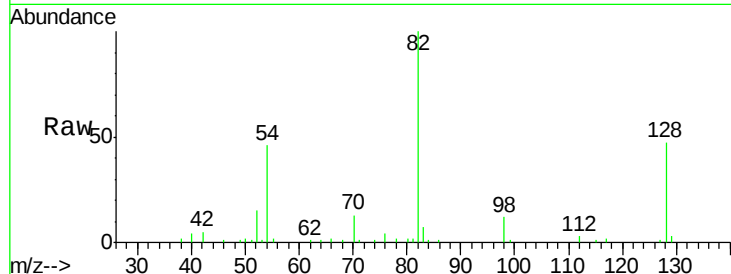




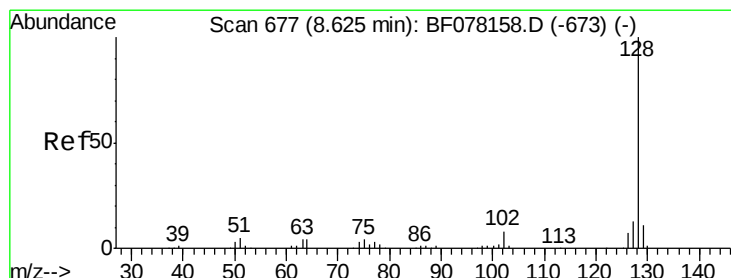
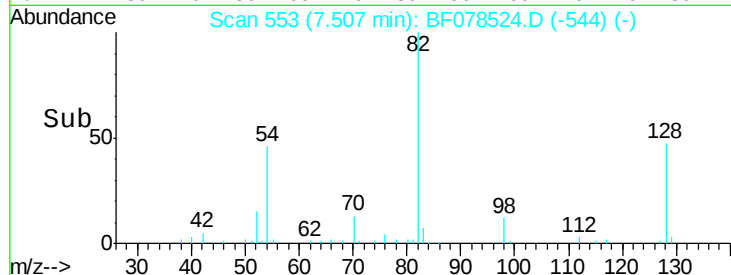
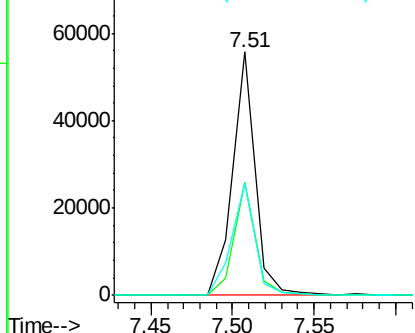
#23
 Nitrobenzene-d5
 Concen: 37.59 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion: 82 Resp: 52812
 Ion Ratio Lower Upper
 82 100
 128 46.6 31.8 47.8
 54 46.1 41.5 62.3

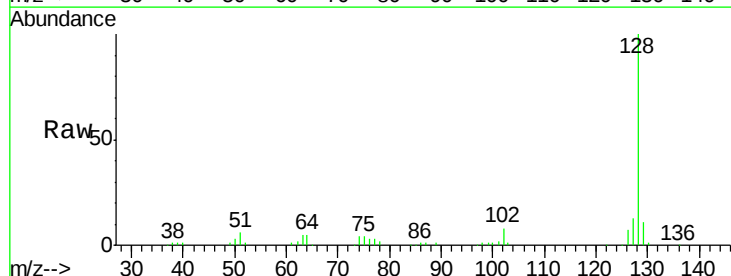


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

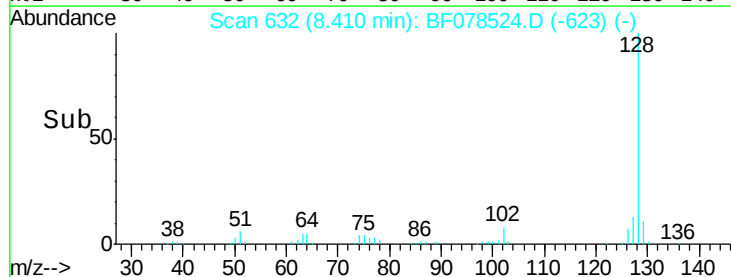
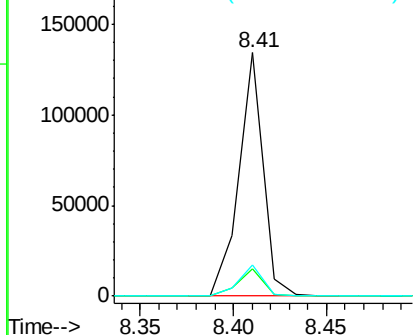


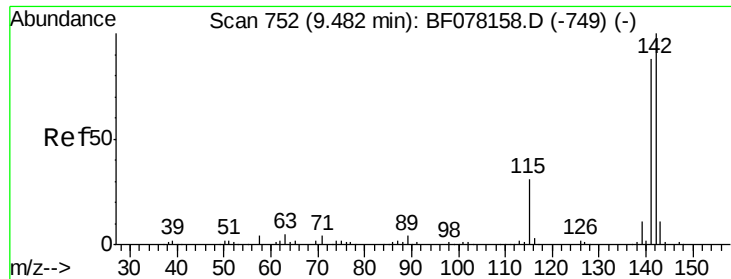
#31
 Naphthalene
 Concen: 27.64 ng
 RT: 8.41 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Tgt Ion: 128 Resp: 122504
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 12.8
 127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

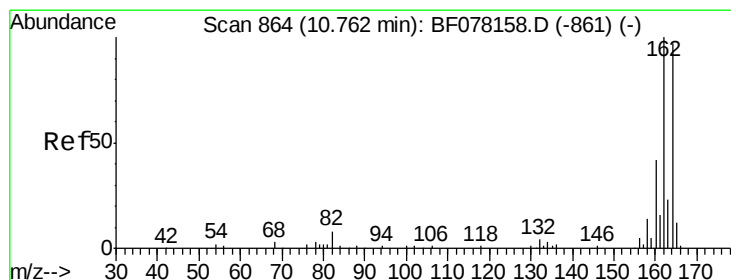
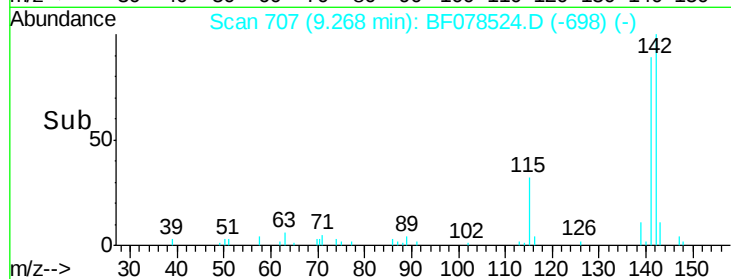
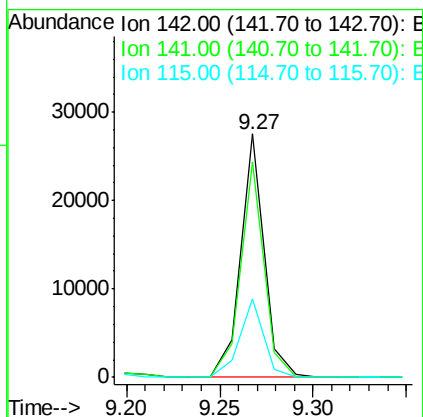
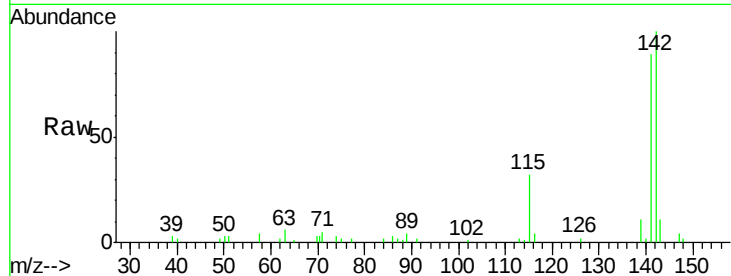




#37
 2-Methylnaphthalene
 Concen: 8.05 ng
 RT: 9.27 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

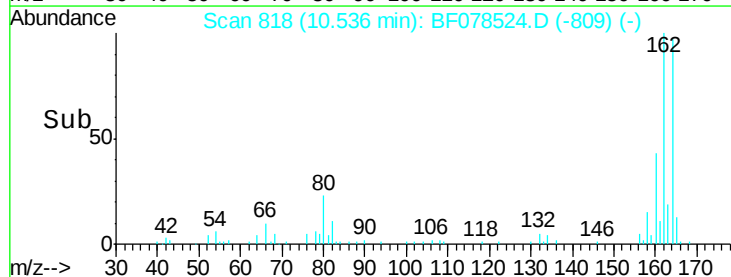
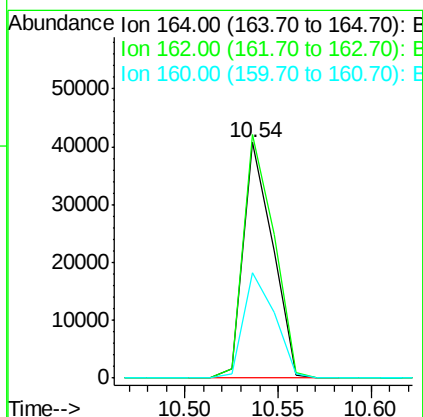
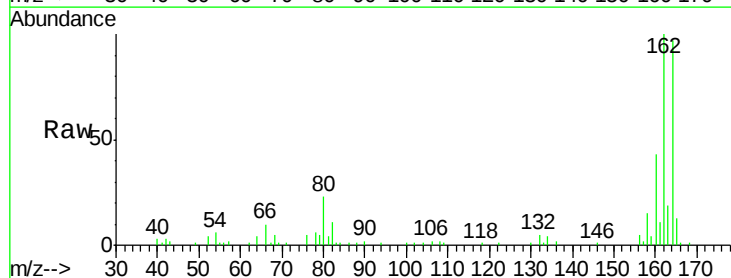
Instrument :
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 ClientSampleId :
 FD-1-20150409

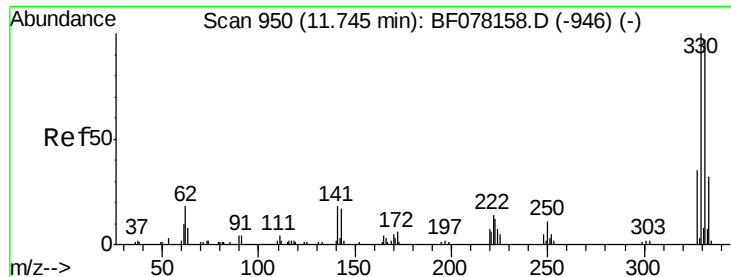
Tgt Ion:142 Resp: 24221
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.3 105.5
 115 32.3 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Tgt Ion:164 Resp: 44429
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.2 123.2
 160 44.7 34.7 52.1

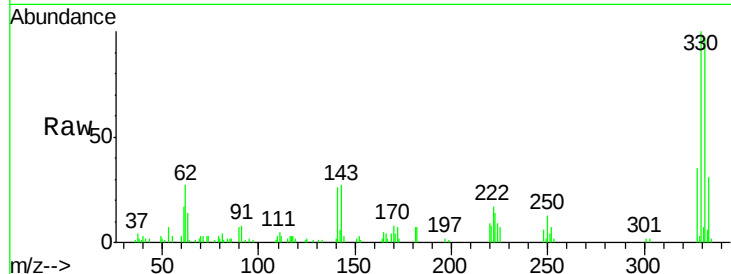




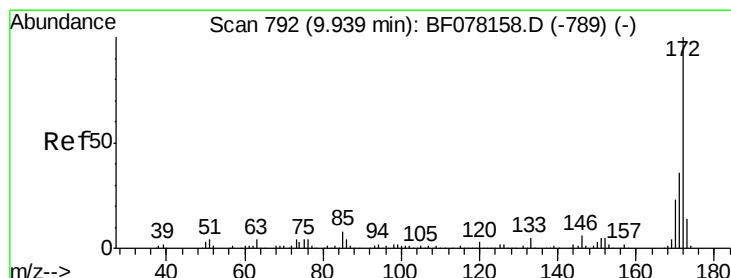
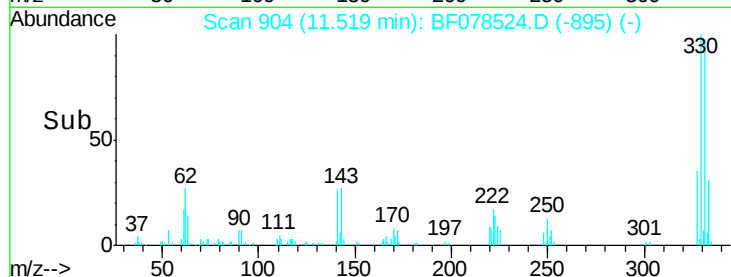
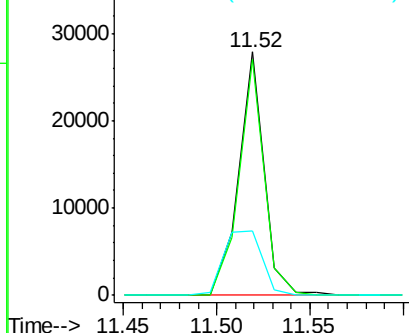
#41
 2,4,6-Tribromophenol
 Concen: 72.44 ng
 RT: 11.52 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion:330 Resp: 26694
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.6 117.8
 141 39.9 31.2 46.8

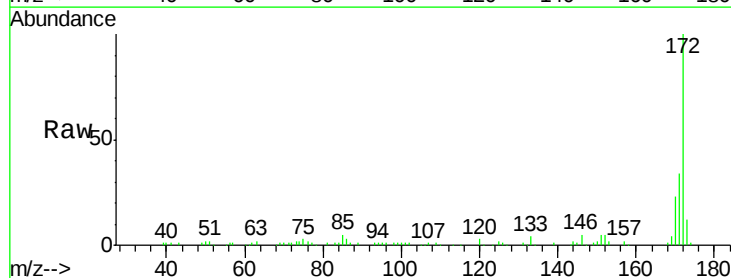


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

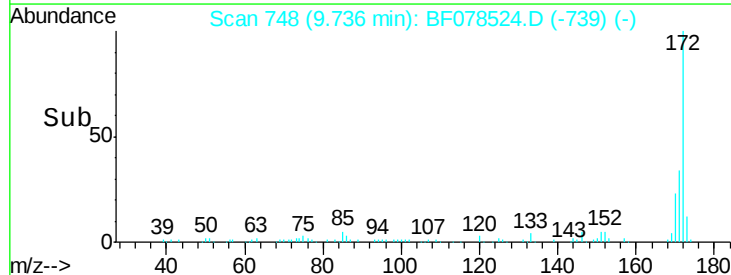
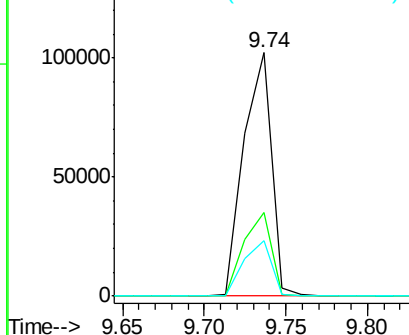


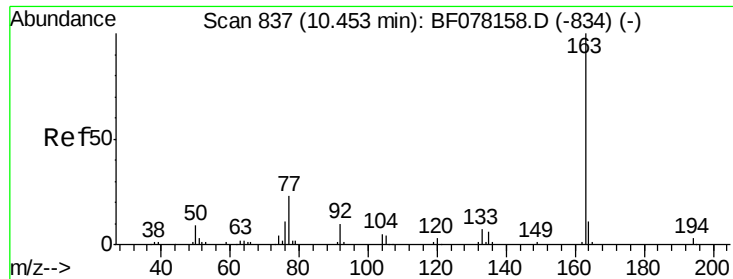
#44
 2-Fluorobiphenyl
 Concen: 38.69 ng
 RT: 9.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Tgt Ion:172 Resp: 120261
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 42.8
 170 22.6 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

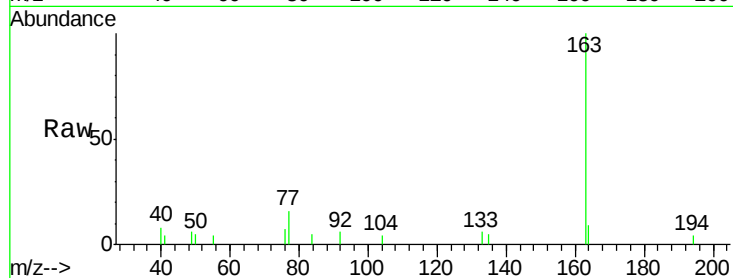




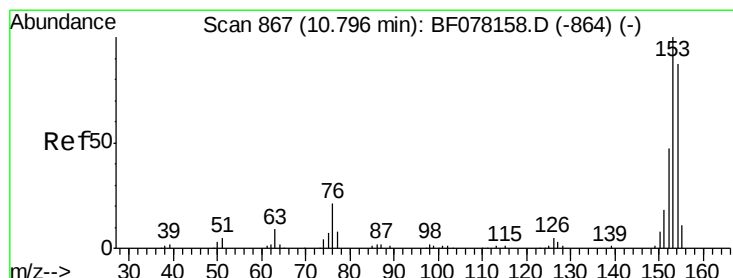
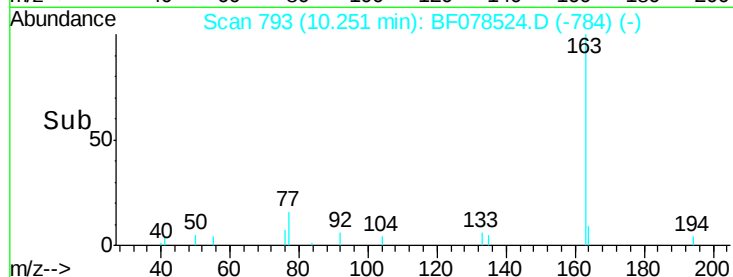
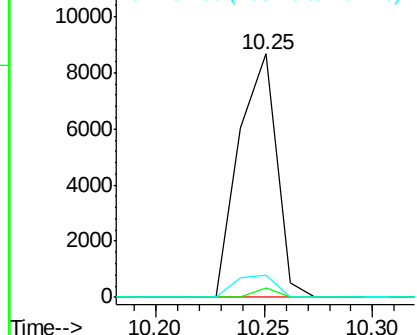
#49
Dimethylphthalate
Concen: 3.14 ng
RT: 10.25 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:163 Resp: 10469
Ion Ratio Lower Upper
163 100
194 3.8 2.3 3.5#
164 9.1 8.6 13.0

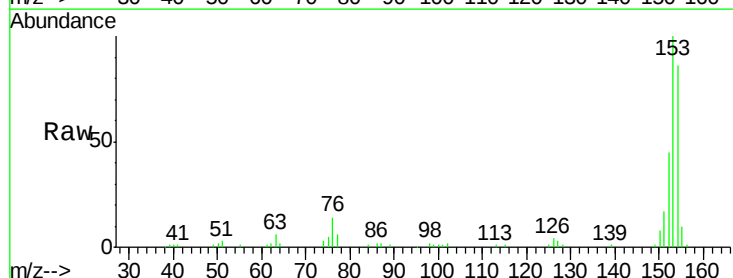


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

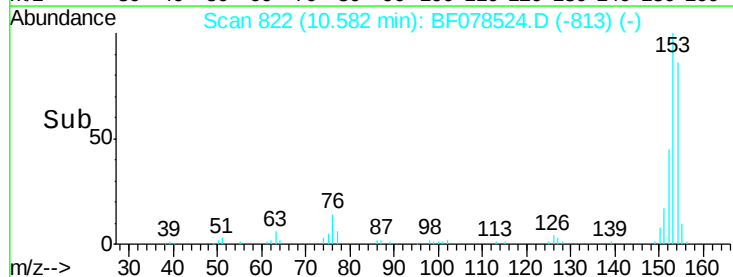
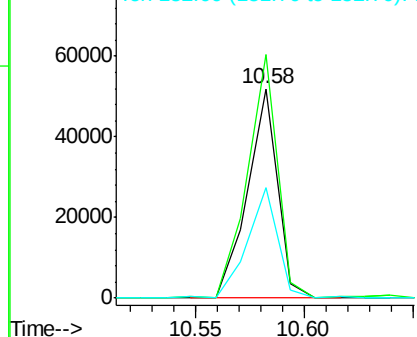


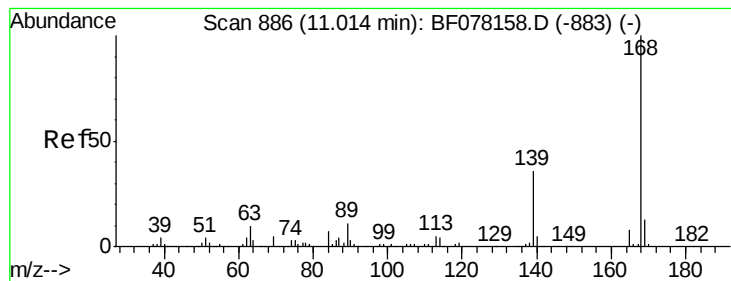
#51
Acenaphthene
Concen: 19.10 ng
RT: 10.58 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:154 Resp: 49658
Ion Ratio Lower Upper
154 100
153 116.4 91.4 137.2
152 52.5 43.0 64.6



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





#54

Dibenzenofuran

Concen: 4.23 ng

RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

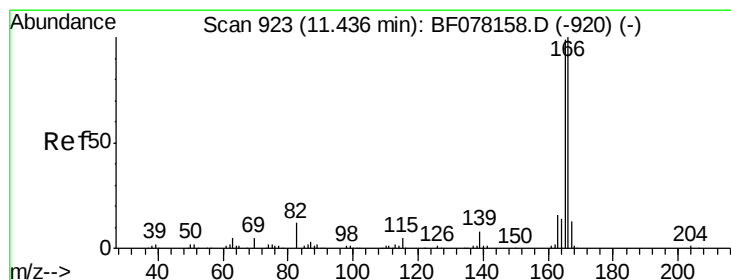
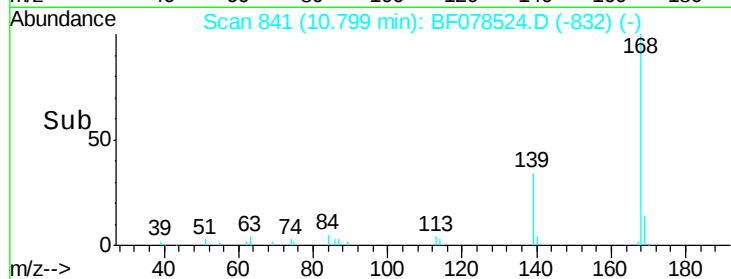
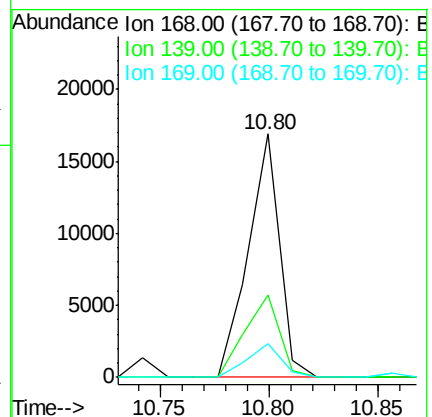
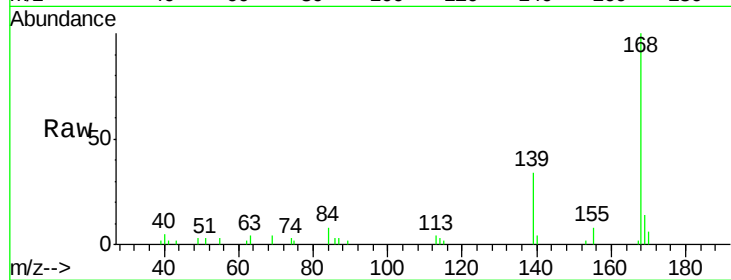
Tgt Ion:168 Resp: 16786

Ion Ratio Lower Upper

168 100

139 33.6 31.0 46.4

169 13.6 10.7 16.1



#57

Fluorene

Concen: 6.83 ng

RT: 11.21 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

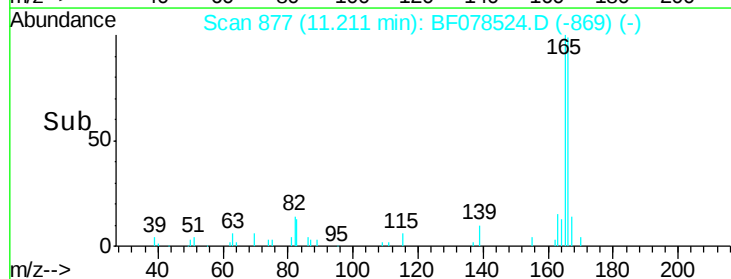
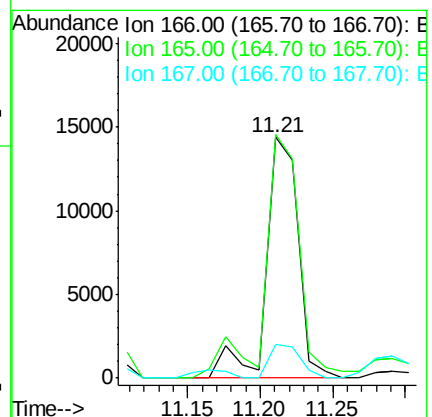
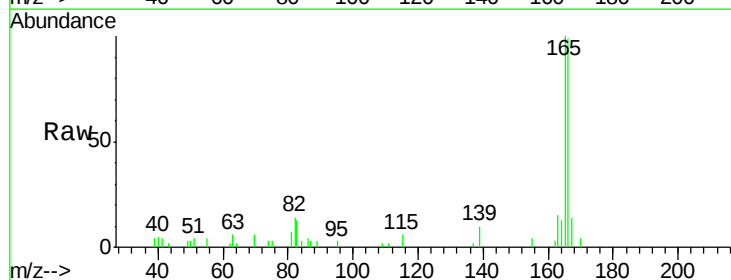
Tgt Ion:166 Resp: 21977

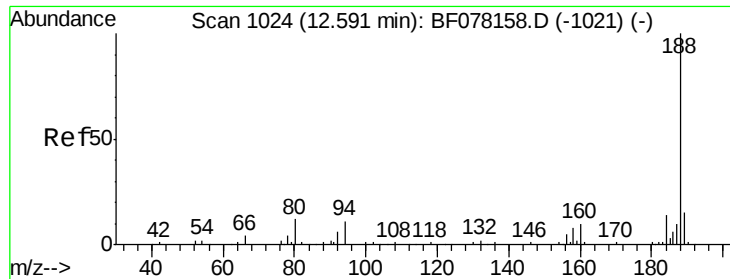
Ion Ratio Lower Upper

166 100

165 101.2 78.9 118.3

167 13.8 10.7 16.1

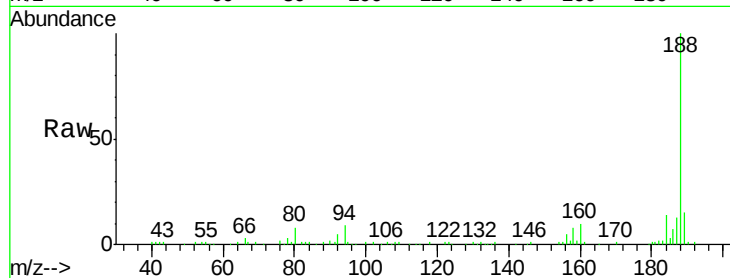




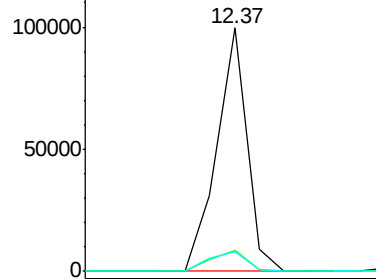
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

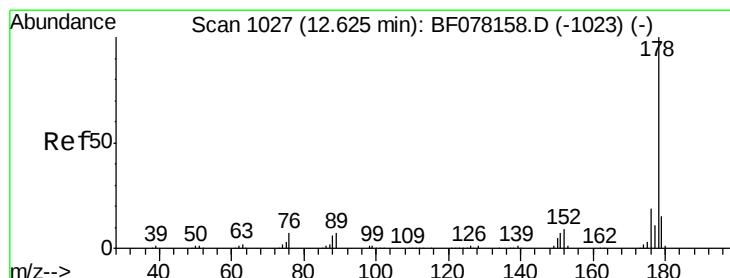
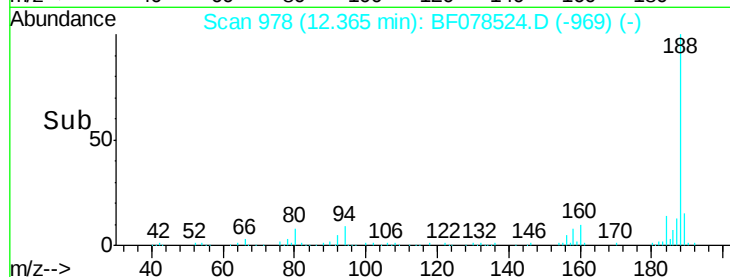
Tgt Ion:188 Resp: 96109
 Ion Ratio Lower Upper
 188 100
 94 8.7 9.0 13.4#
 80 8.2 9.5 14.3#



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

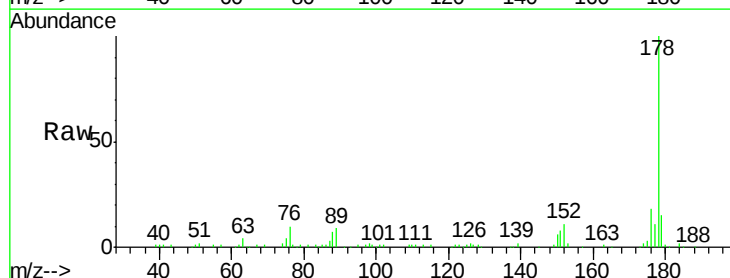


Time--> 12.30 12.35 12.40

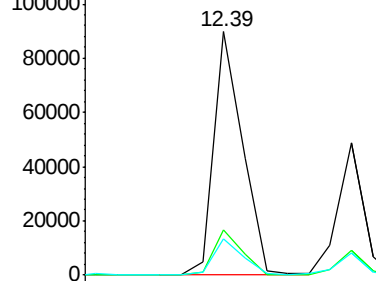


#70
 Phenanthrene
 Concen: 17.25 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

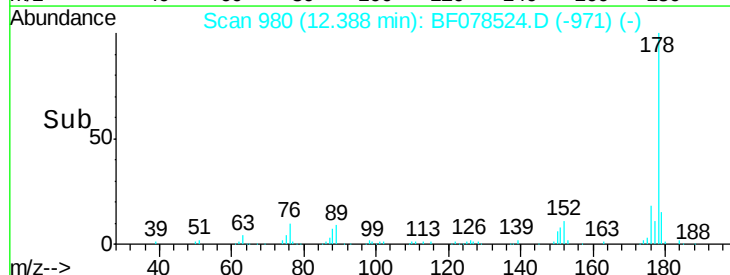
Tgt Ion:178 Resp: 95925
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 15.0 12.2 18.2

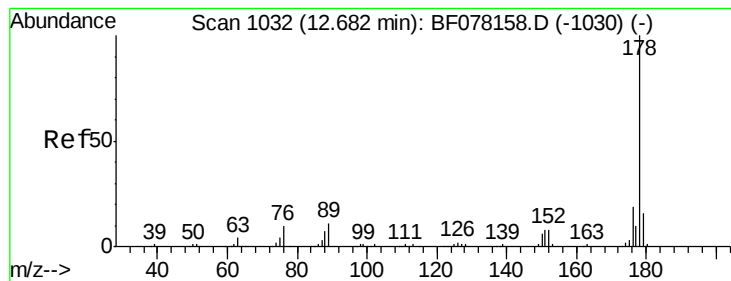


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time--> 12.35 12.40 12.45





#71

Anthracene

Concen: 8.16 ng

RT: 12.46 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

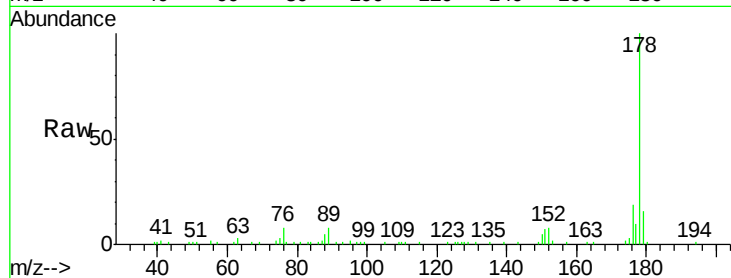
Tgt Ion:178 Resp: 44690

Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

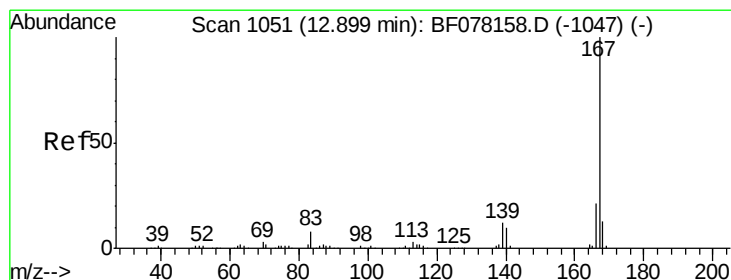
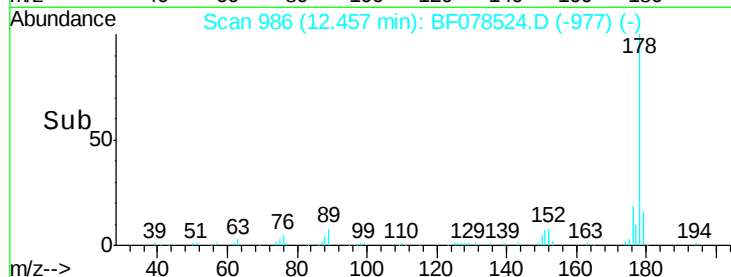
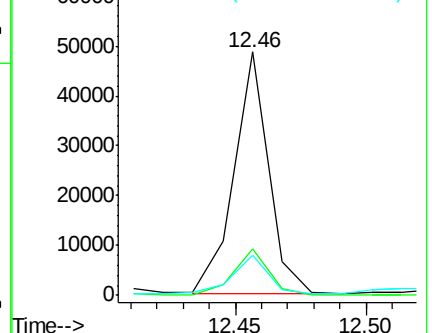
179 16.4 12.4 18.6



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



#72

Carbazole

Concen: 2.57 ng

RT: 12.67 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

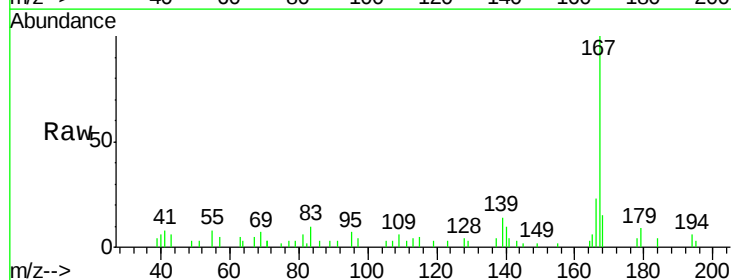
Tgt Ion:167 Resp: 13174

Ion Ratio Lower Upper

167 100

166 23.2 16.8 25.2

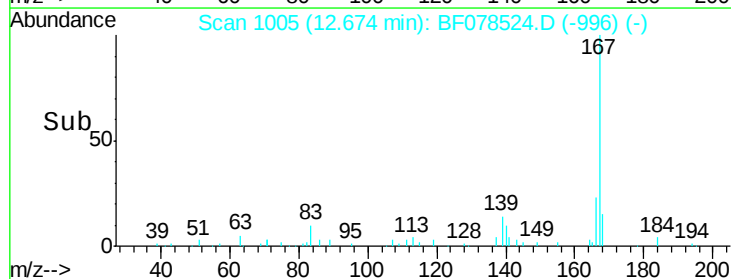
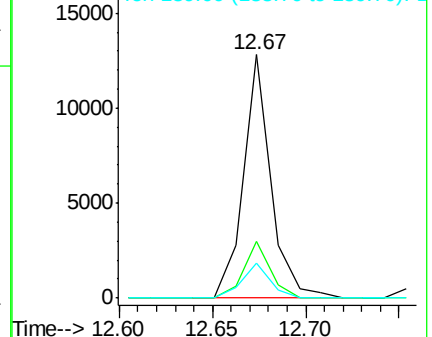
139 14.4 10.0 15.0

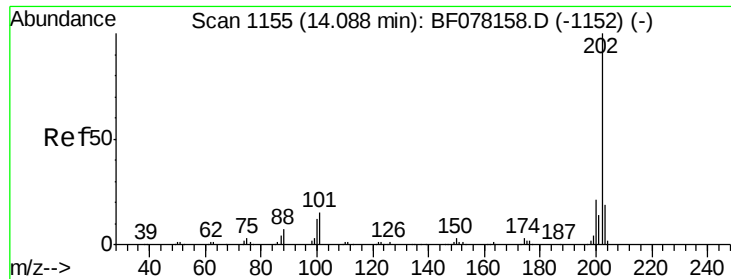


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 22.33 ng

RT: 13.85 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

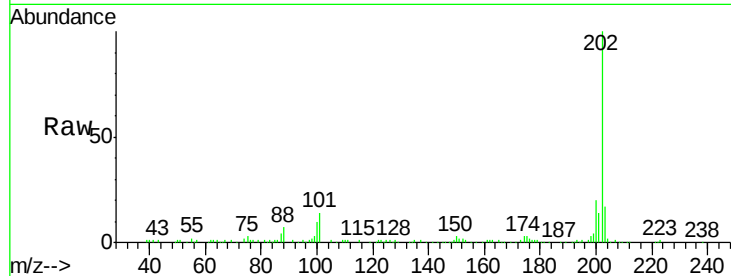
Tgt Ion:202 Resp: 130930

Ion Ratio Lower Upper

202 100

101 13.7 0.0 35.2

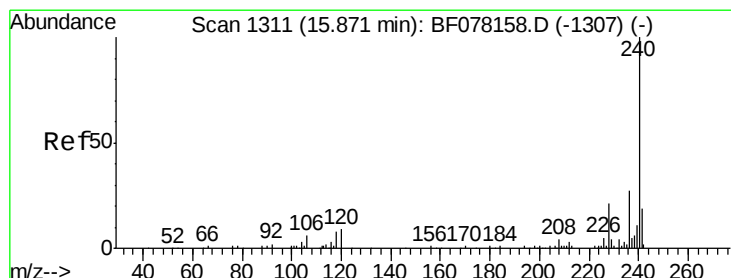
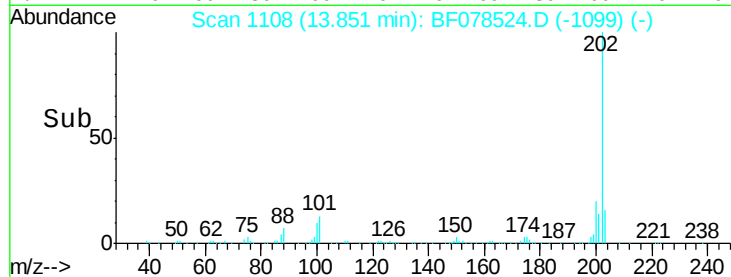
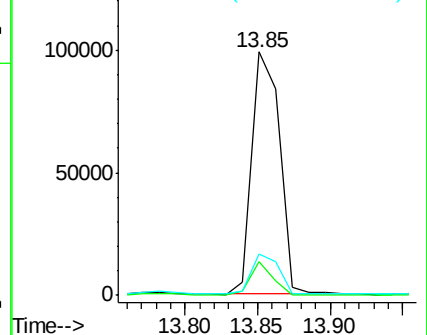
203 17.2 0.0 38.5



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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

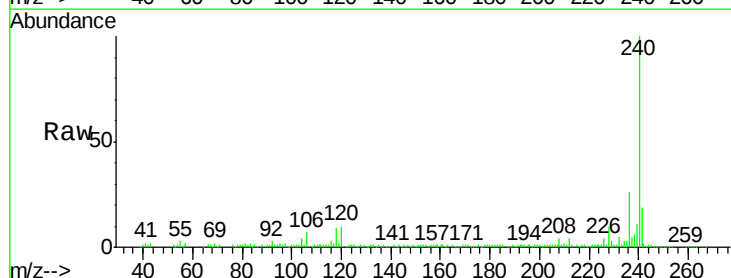
Tgt Ion:240 Resp: 109832

Ion Ratio Lower Upper

240 100

120 9.9 7.1 10.7

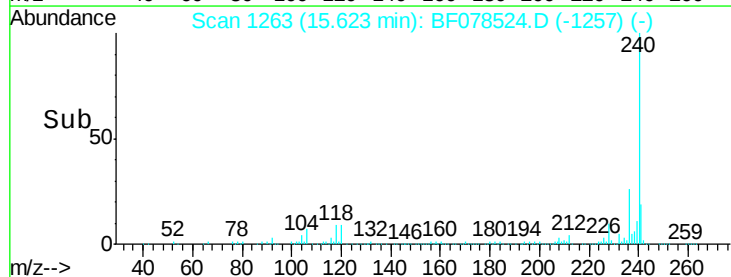
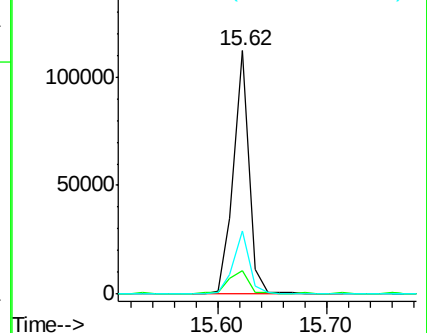
236 25.8 21.4 32.2

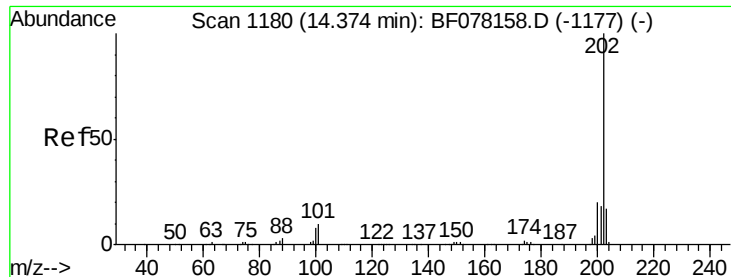


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

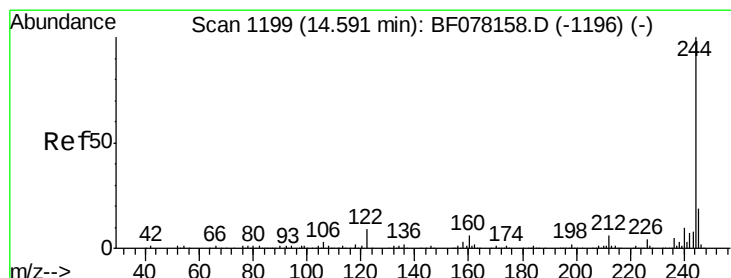
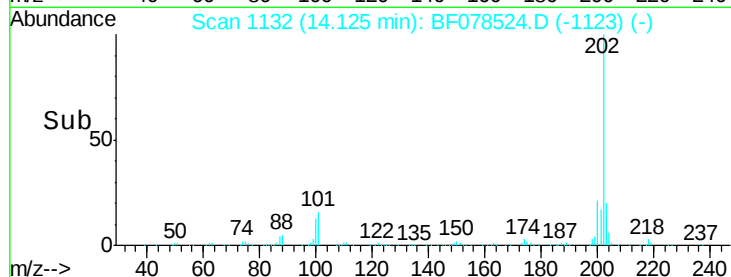
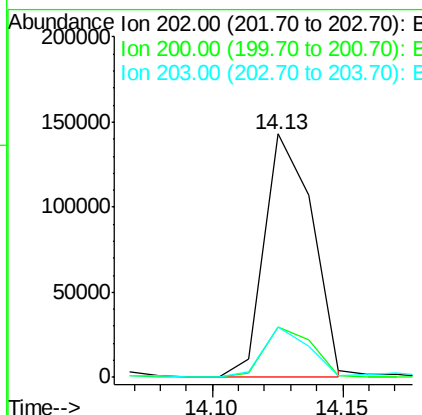
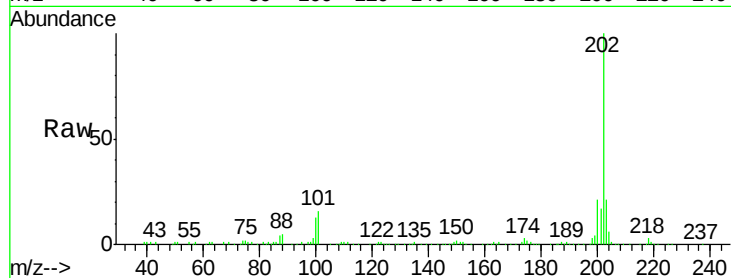




#77
 Pyrene
 Concen: 26.11 ng
 RT: 14.13 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

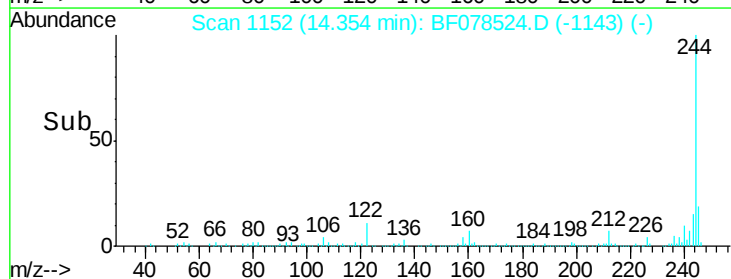
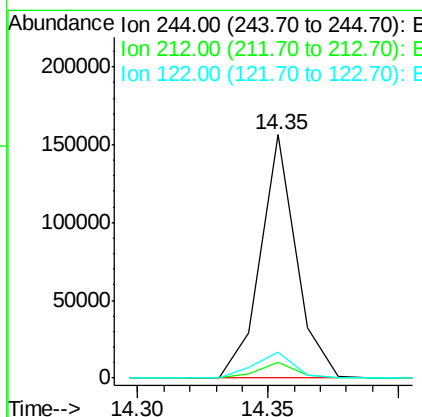
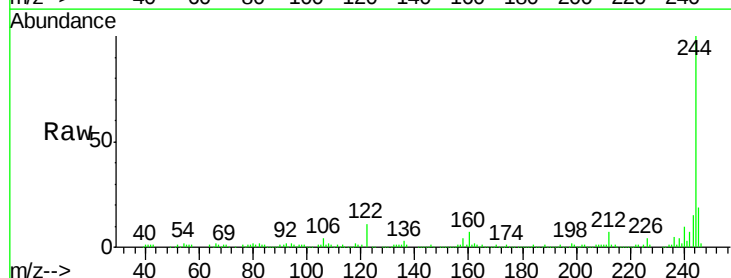
Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

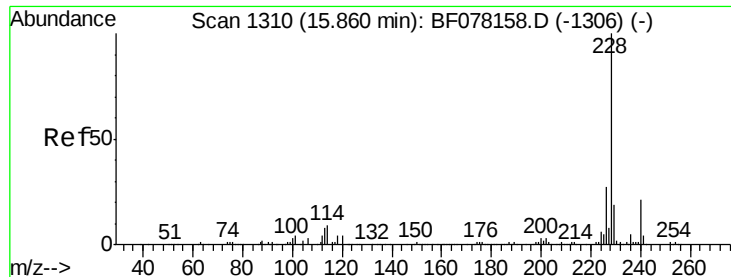
Tgt Ion: 202 Resp: 180019
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 20.5 13.8 20.6



#78
 Terphenyl-d14
 Concen: 30.80 ng
 RT: 14.35 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF078524.D
 Acq: 15 Apr 2015 3:11

Tgt Ion: 244 Resp: 149683
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 10.8 7.1 10.7#





#80

Benzo(a)anthracene

Concen: 10.96 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

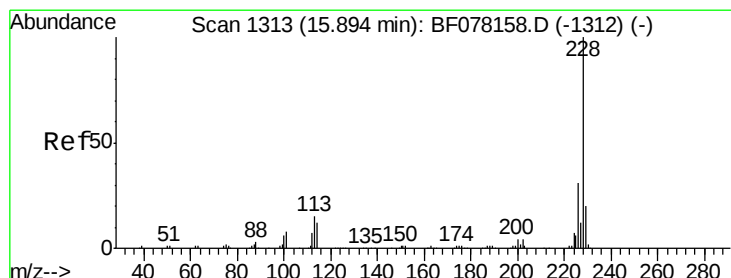
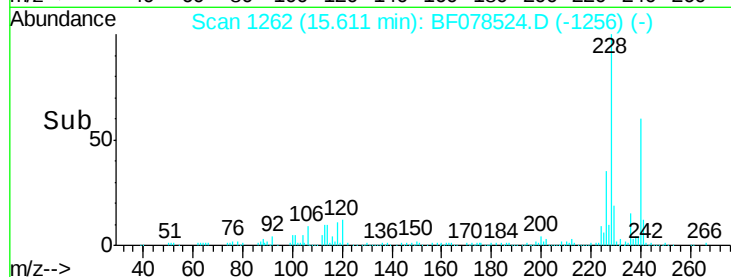
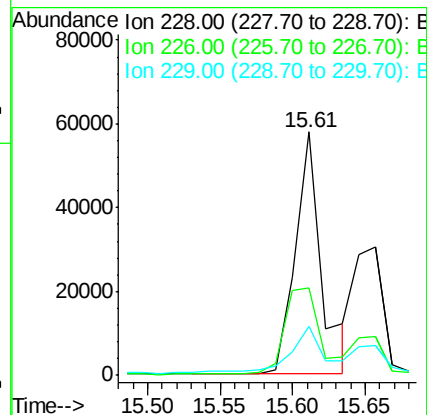
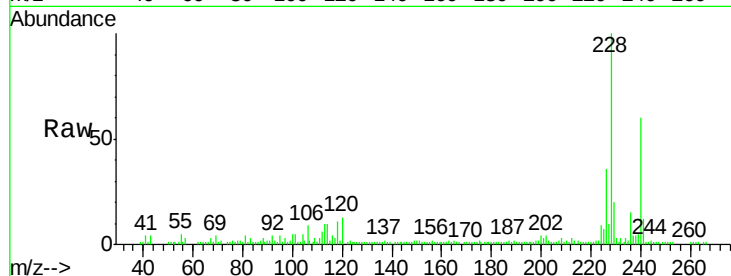
Tgt Ion:228 Resp: 71622

Ion Ratio Lower Upper

228 100

226 36.0 21.3 31.9#

229 20.3 15.4 23.2



#82

Chrysene

Concen: 6.86 ng m

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

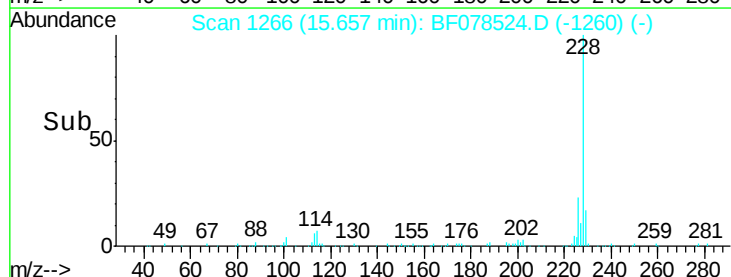
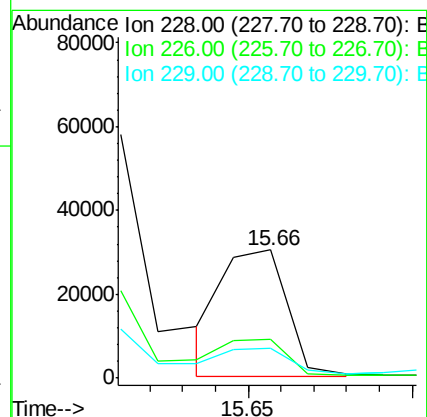
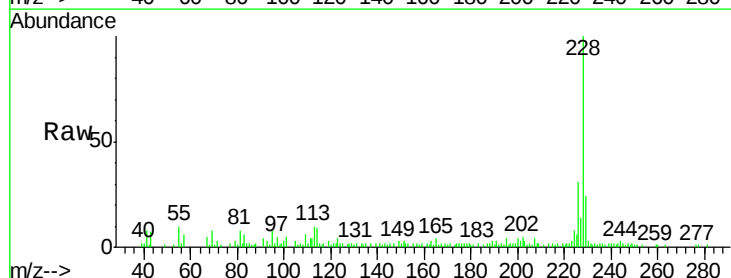
Tgt Ion:228 Resp: 42132

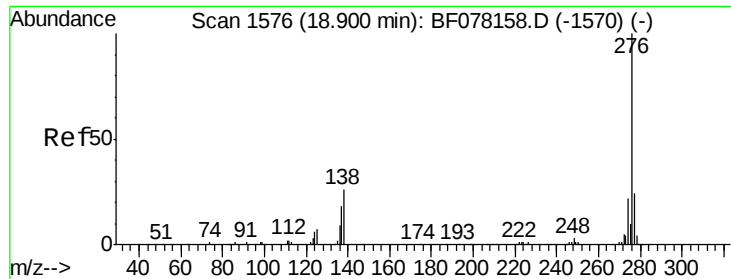
Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.4

229 23.8 15.8 23.8#





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.14 ng m

RT: 18.46 min Scan# 1511

Delta R.T. -0.35 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

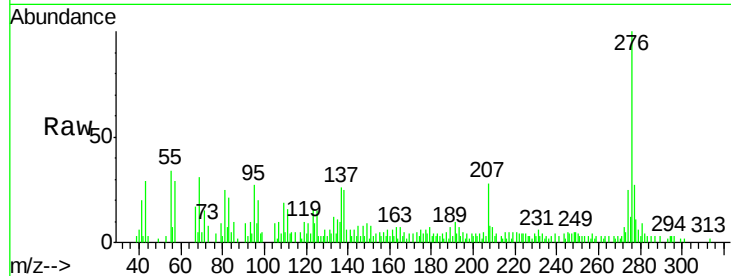
Tgt Ion:276 Resp: 21906

Ion Ratio Lower Upper

276 100

138 30.0 16.9 25.3#

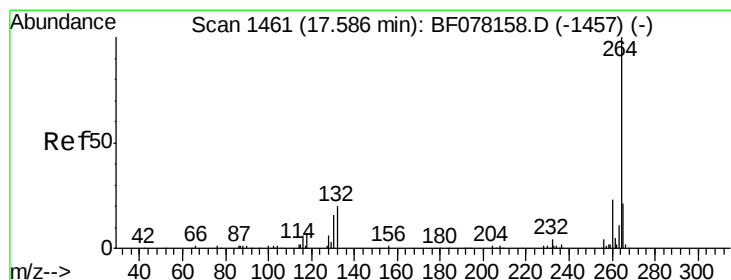
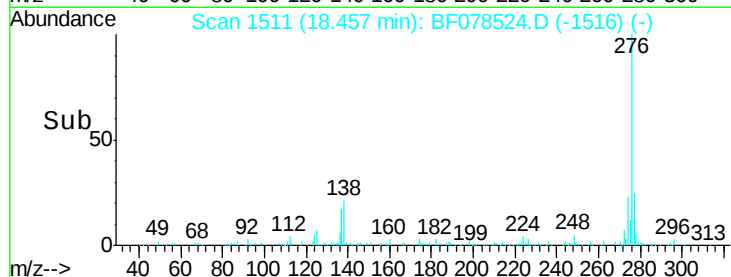
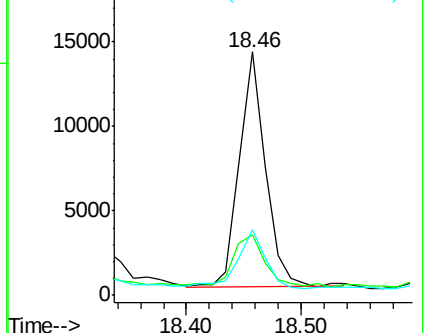
277 31.8 15.8 23.6#



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

Perylene-d12

Concen: 20.00 ng

RT: 17.27 min Scan# 1407

Delta R.T. -0.22 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

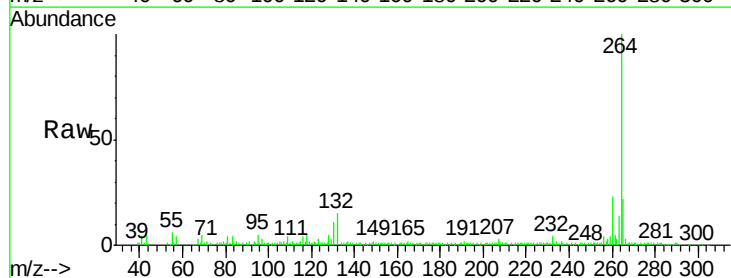
Tgt Ion:264 Resp: 119611

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

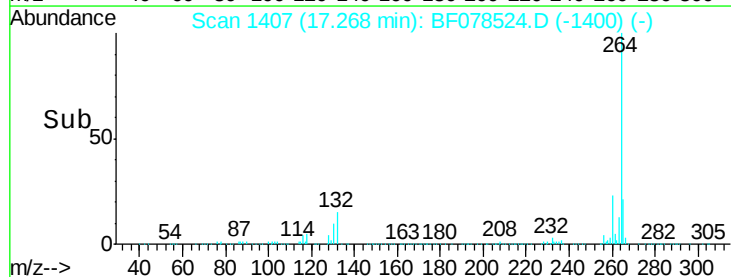
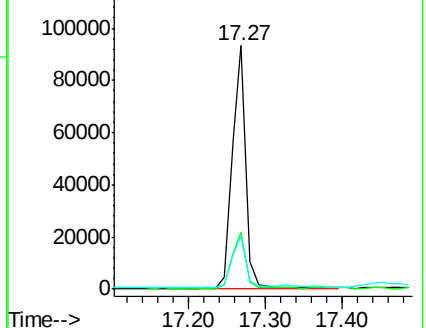
265 21.7 17.0 25.6

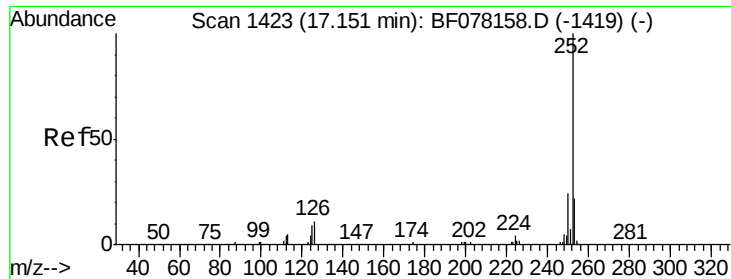


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.47 ng m

RT: 16.86 min Scan# 1371

Delta R.T. -0.16 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

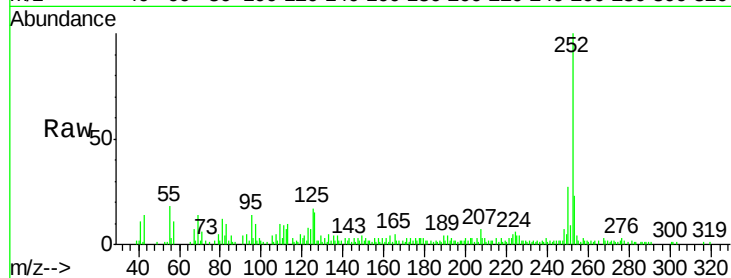
Tgt Ion:252 Resp: 47852

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

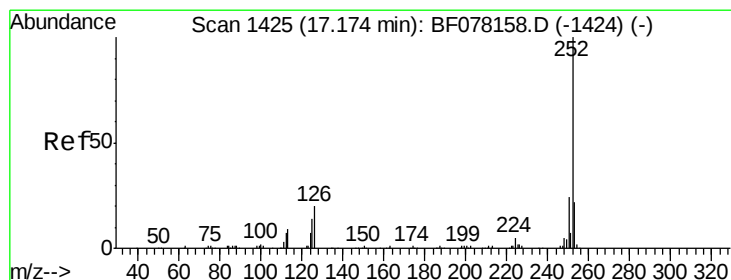
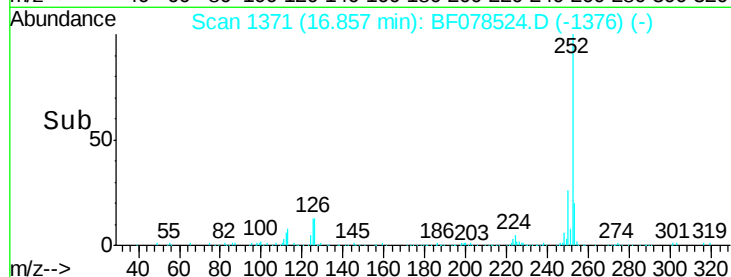
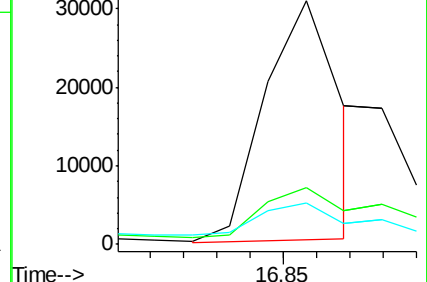
125 16.8 7.0 10.4#



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: 2.49 ng m

RT: 16.87 min Scan# 1372

Delta R.T. -0.18 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

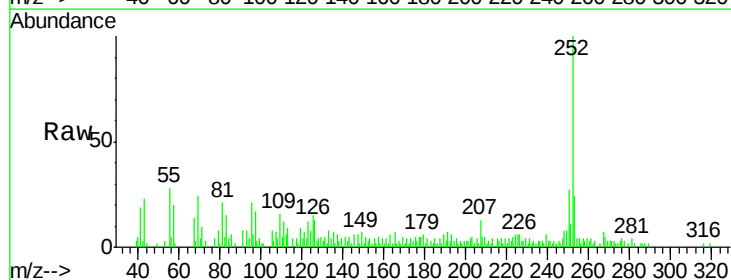
Tgt Ion:252 Resp: 16386

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

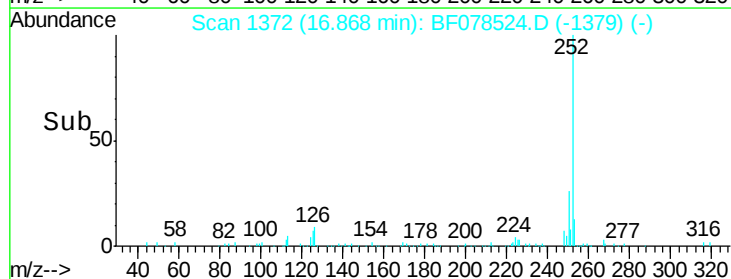
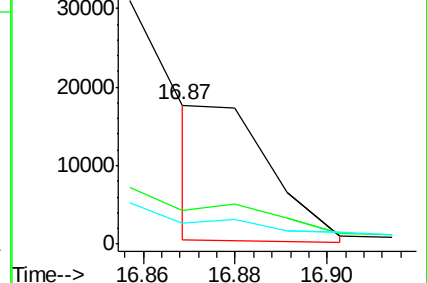
125 15.2 11.6 17.4

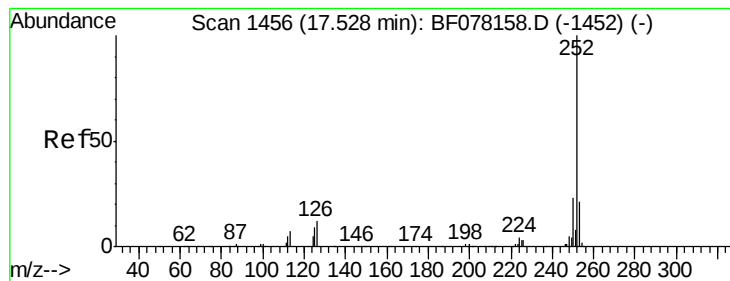


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.30 ng

RT: 17.20 min Scan# 1401

Delta R.T. -0.22 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

FD-1-20150409

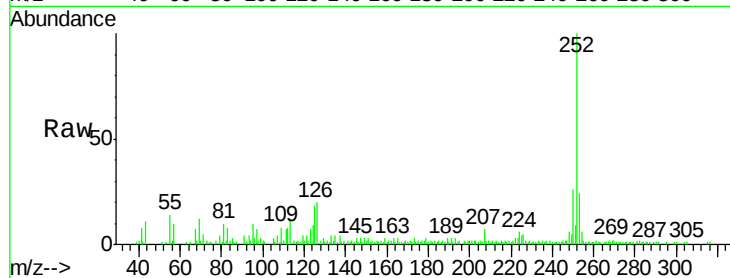
Tgt Ion:252 Resp: 53521

Ion Ratio Lower Upper

252 100

253 24.3 16.8 25.2

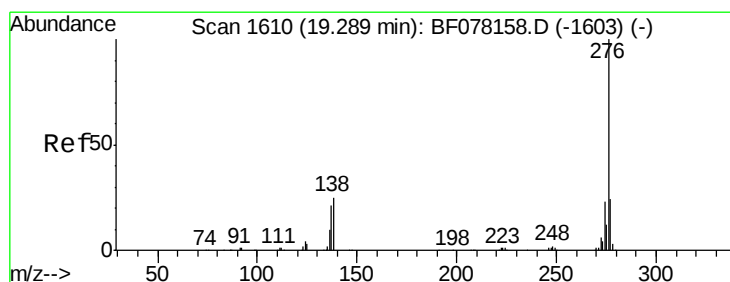
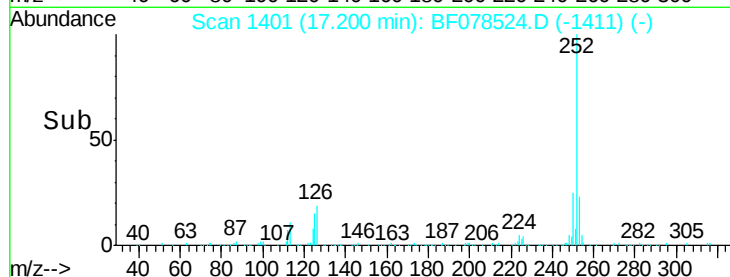
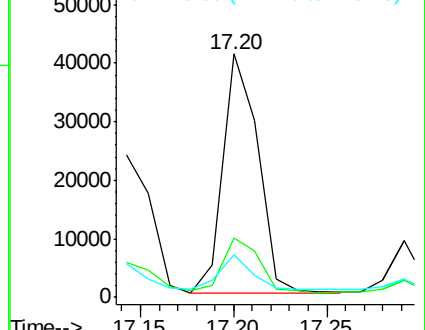
125 17.7 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 4.35 ng m

RT: 18.80 min Scan# 1541

Delta R.T. -0.35 min

Lab File: BF078524.D

Acq: 15 Apr 2015 3:11

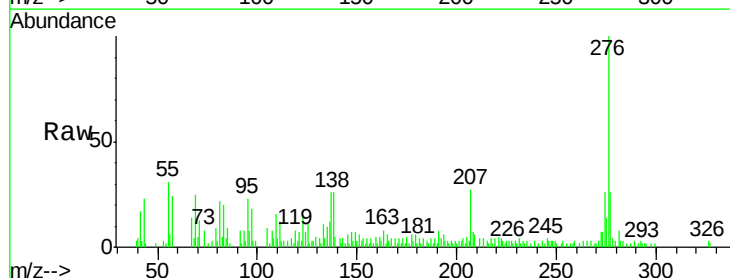
Tgt Ion:276 Resp: 28153

Ion Ratio Lower Upper

276 100

277 25.9 19.0 28.4

138 26.1 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

