

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079159.D
 Acq On : 12 May 2015 15:55
 Operator : TP/IZ
 Sample : G2155-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43D

Quant Time: May 13 01:12:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

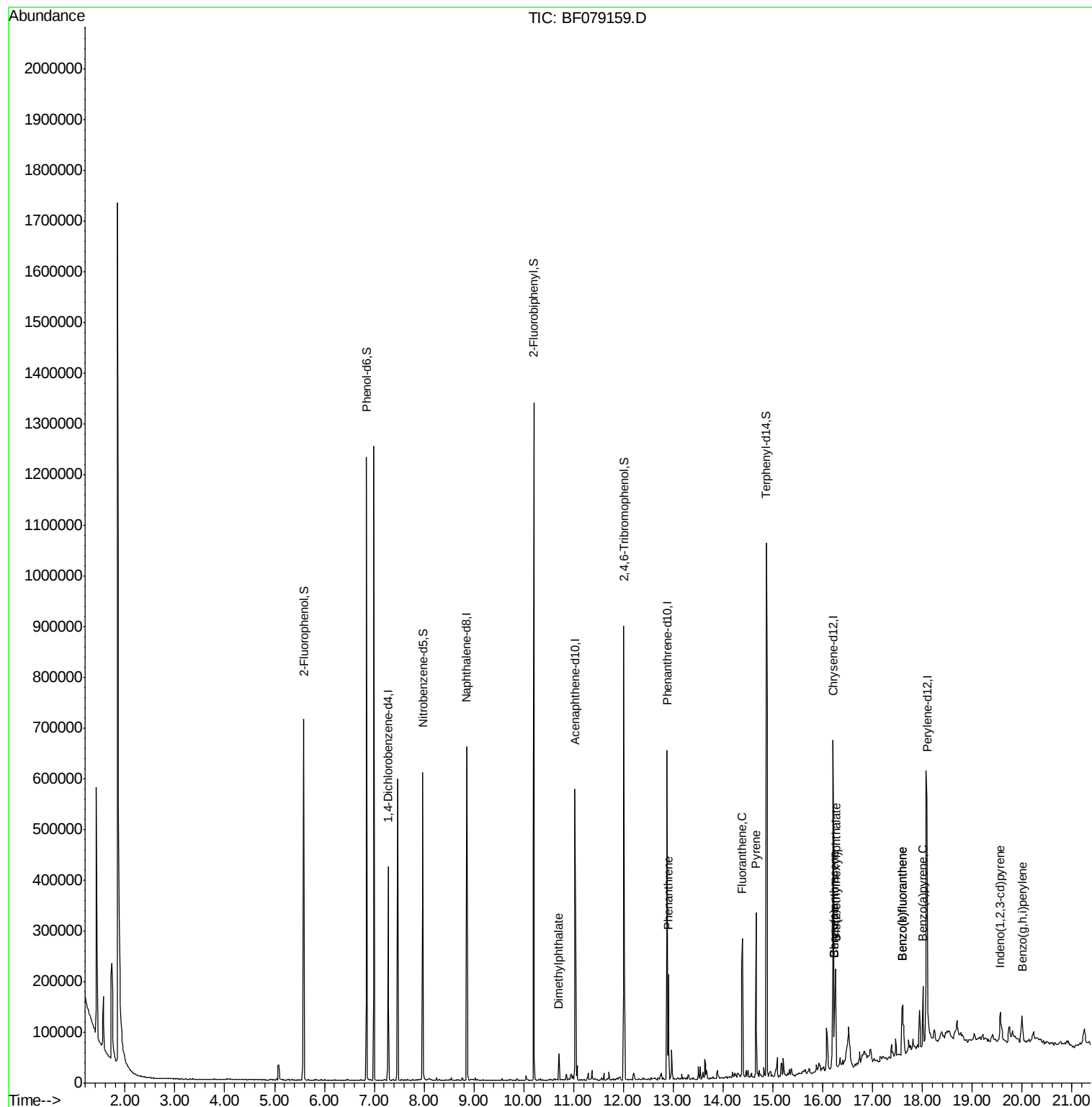
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	69211	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	292061	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	138895	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	275586	20.00	ng	0.00
75) Chrysene-d12	16.21	240	276851	20.00	ng	0.01
86) Perylene-d12	18.09	264	298508	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	308592	76.75	ng	0.01
7) Phenol-d6	6.84	99	406864	76.56	ng	0.00
23) Nitrobenzene-d5	7.98	82	232198	45.69	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	115552	76.90	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	440423	44.18	ng	0.00
78) Terphenyl-d14	14.87	244	457836	39.59	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.71	163	21328	2.09	ng	99
70) Phenanthrene	12.90	178	82410	5.35	ng	97
74) Fluoranthene	14.39	202	157565	9.81	ng	92
77) Pyrene	14.66	202	140001	8.78	ng	98
80) Benzo(a)anthracene	16.24	228	39492	2.60	ng	97
82) Chrysene	16.24	228	52933	3.63	ng	98
83) Bis(2-ethylhexyl)phthalate	16.26	149	67012	6.34	ng	100
85) Indeno(1,2,3-cd)pyrene	19.57	276	49045	2.64	ng	# 100
87) Benzo(b)fluoranthene	17.60	252	98443	6.03	ng	98
88) Benzo(k)fluoranthene	17.60	252	95688	6.05	ng	99
89) Benzo(a)pyrene	18.01	252	57220	3.80	ng	# 94
91) Benzo(g,h,i)perylene	20.00	276	43327	2.70	ng	98

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

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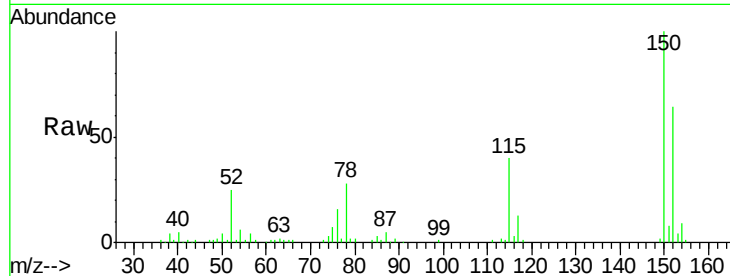


#1

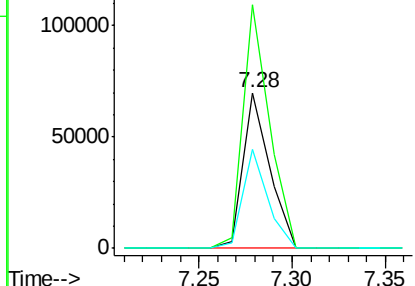
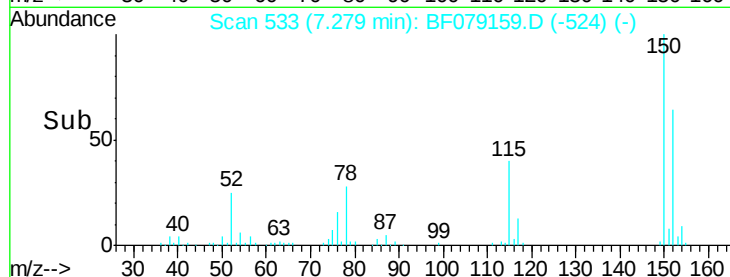
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Instrument :
BNA_F
ClientSampleId :
SB-43D

Tgt Ion:152 Resp: 69211
Ion Ratio Lower Upper
152 100
150 156.4 122.0 183.0
115 63.2 46.3 69.5



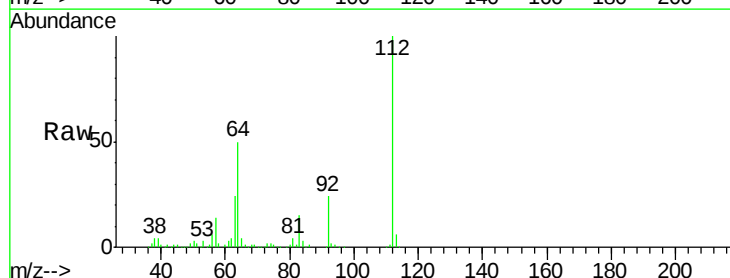
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



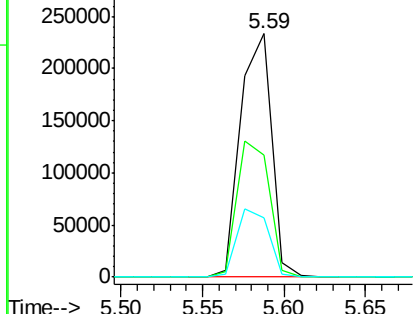
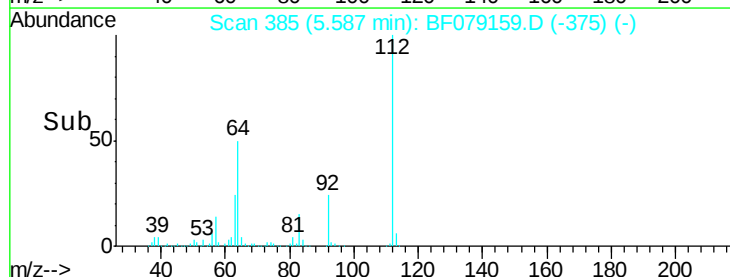
#5

2-Fluorophenol
Concen: 76.75 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:112 Resp: 308592
Ion Ratio Lower Upper
112 100
64 50.3 53.5 80.3#
63 24.3 27.5 41.3#



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: 76.56 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

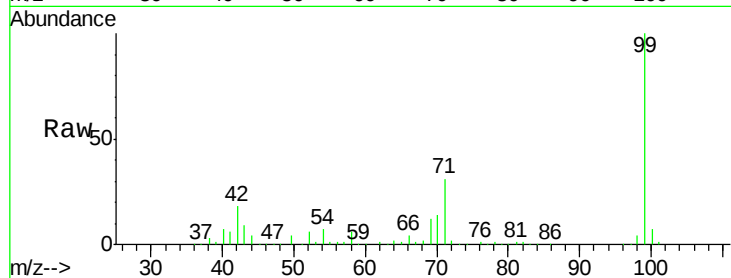
Tgt Ion: 99 Resp: 406864

Ion Ratio Lower Upper

99 100

42 17.6 12.8 19.2

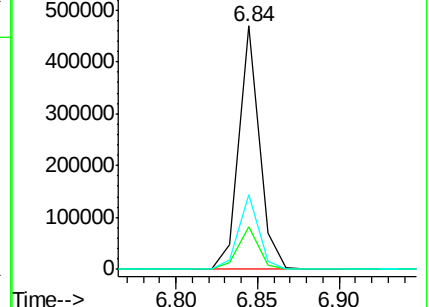
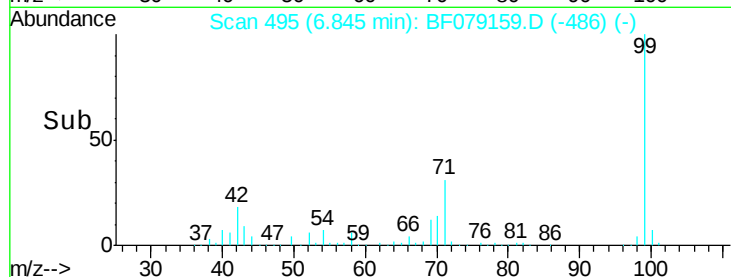
71 30.6 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Tgt Ion: 136 Resp: 292061

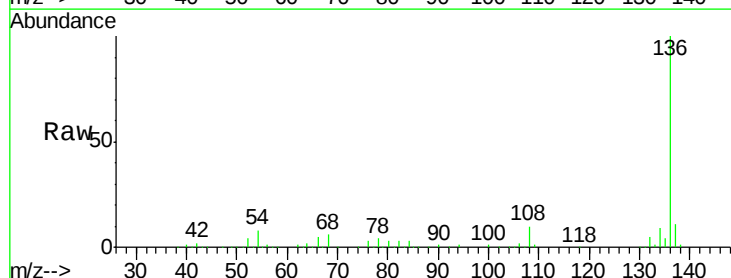
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.3 5.8 8.8

68 6.4 4.2 6.4#

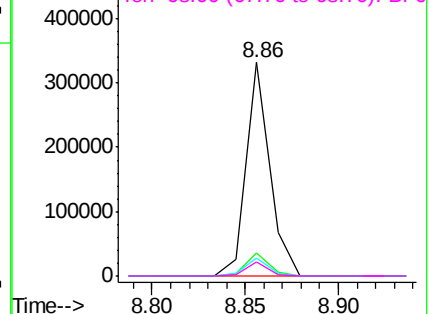
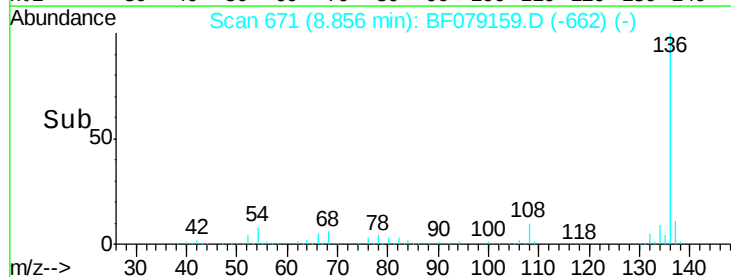


Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)





#23

Nitrobenzene-d5

Concen: 45.69 ng

RT: 7.98 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

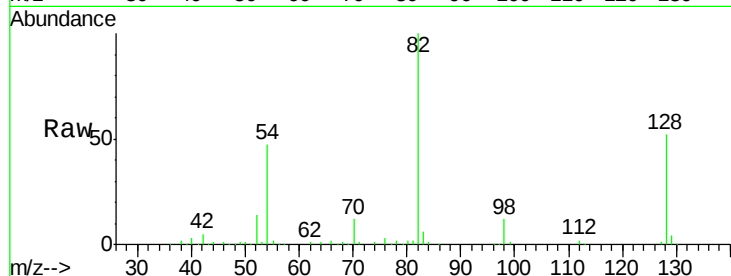
Tgt Ion: 82 Resp: 232198

Ion Ratio Lower Upper

82 100

128 51.6 30.0 45.0#

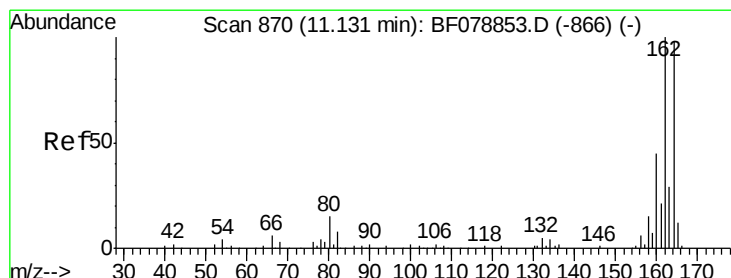
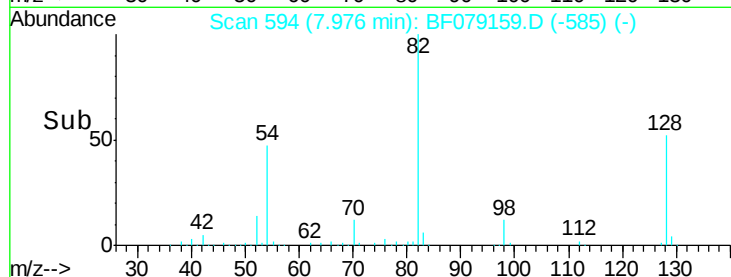
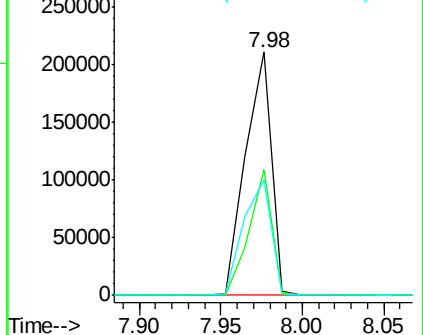
54 47.4 46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BF078853.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-599) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

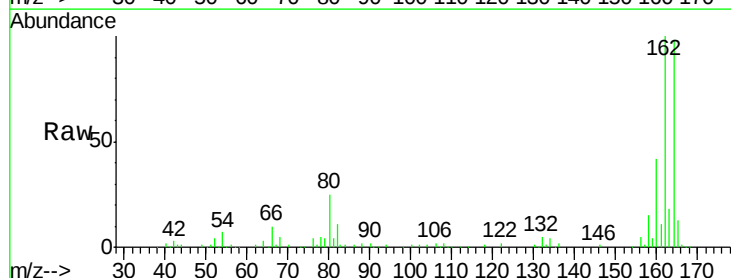
Tgt Ion: 164 Resp: 138895

Ion Ratio Lower Upper

164 100

162 101.6 82.7 124.1

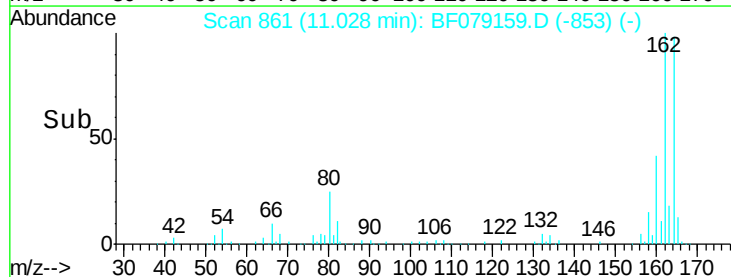
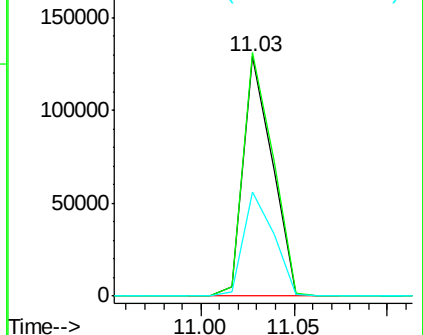
160 43.2 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BF078853.D (-866) (-)

Ion 162.00 (161.70 to 162.70): BF078853.D (-866) (-)

Ion 160.00 (159.70 to 160.70): BF078853.D (-866) (-)

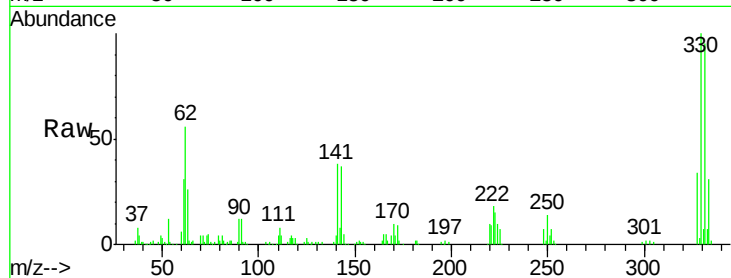




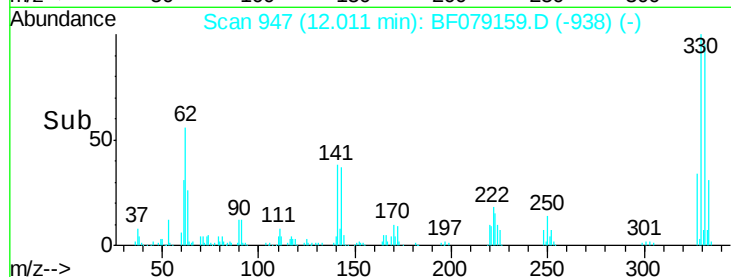
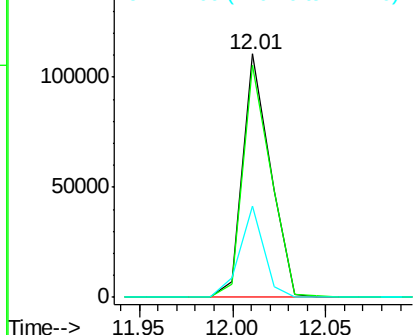
#41
 2,4,6-Tribromophenol
 Concen: 76.90 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Instrument :
 BNA_F
 ClientSampled :
 SB-43D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	33.2	0.0	0.0#

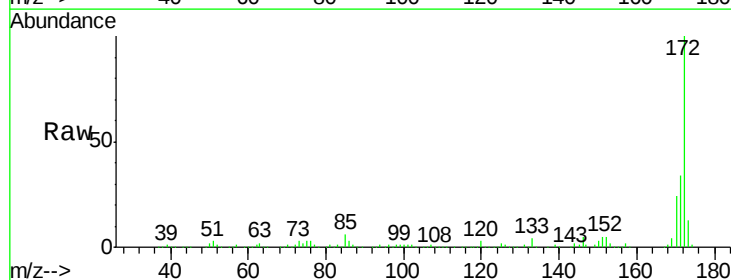


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

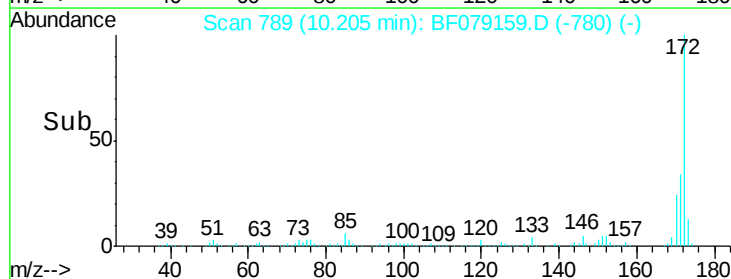
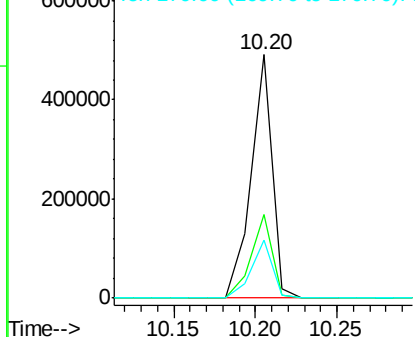


#44
 2-Fluorobiphenyl
 Concen: 44.18 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	24.1	19.4	29.0



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: 2.09 ng

RT: 10.71 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

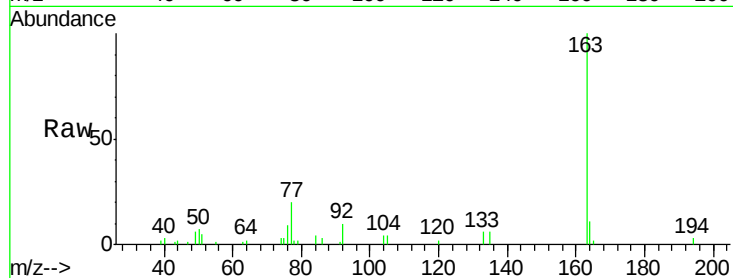
Tgt Ion:163 Resp: 21328

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

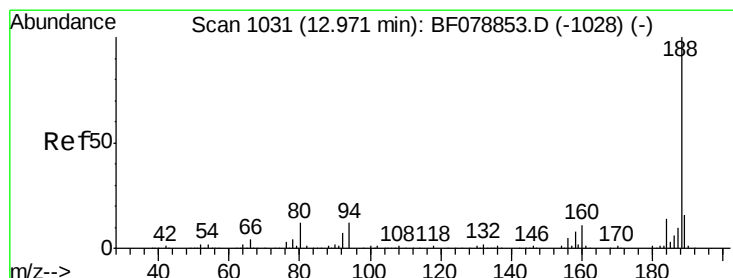
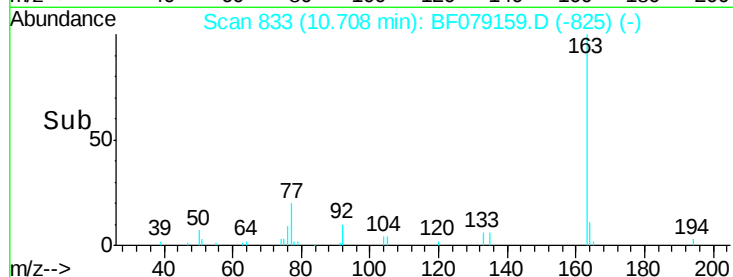
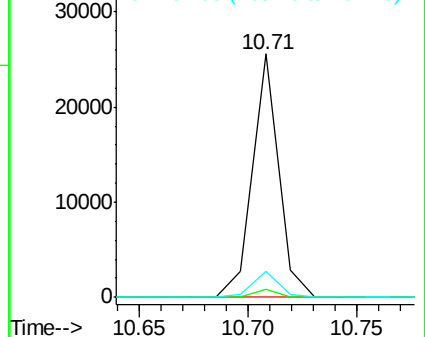
164 10.7 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

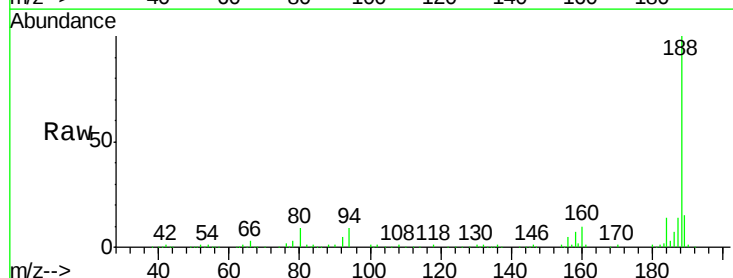
Tgt Ion:188 Resp: 275586

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.2

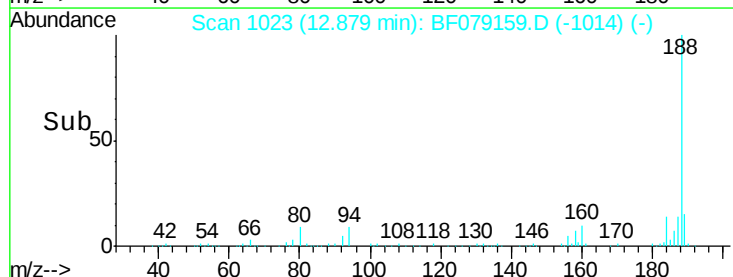
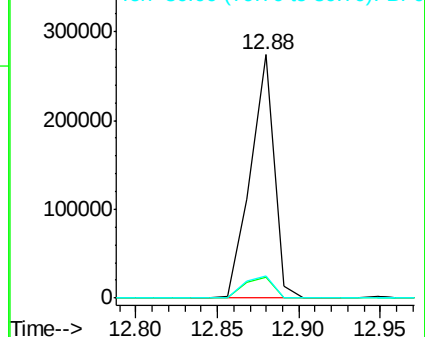
80 9.2 8.9 13.3

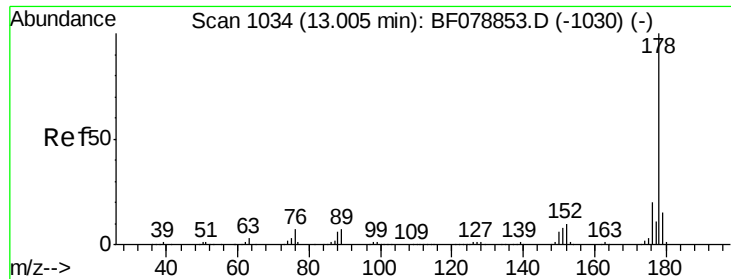


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

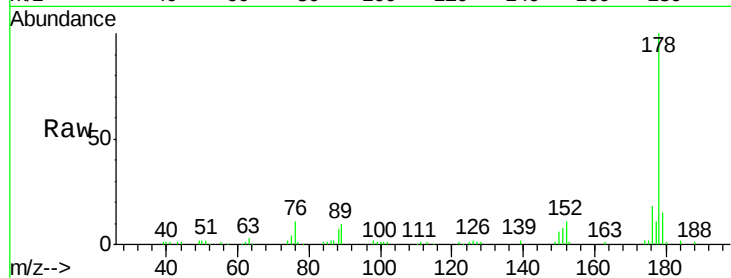




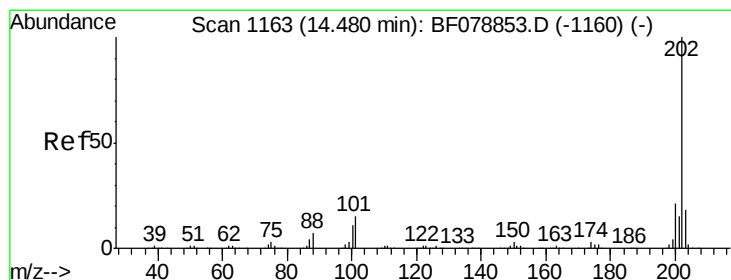
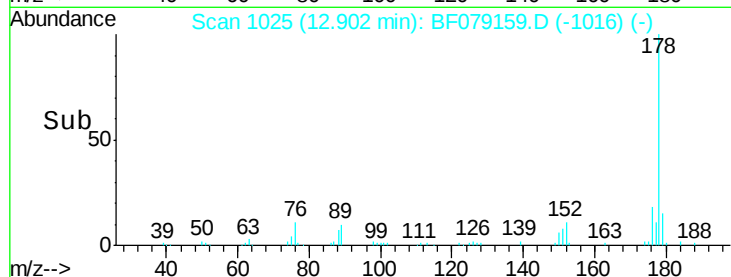
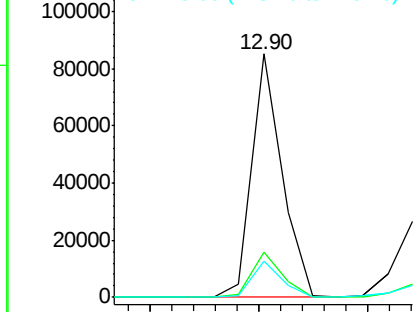
#70
Phenanthrene
Concen: 5.35 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Instrument :
BNA_F
ClientSampled :
SB-43D

Tgt Ion:178 Resp: 82410
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.8 12.5 18.7

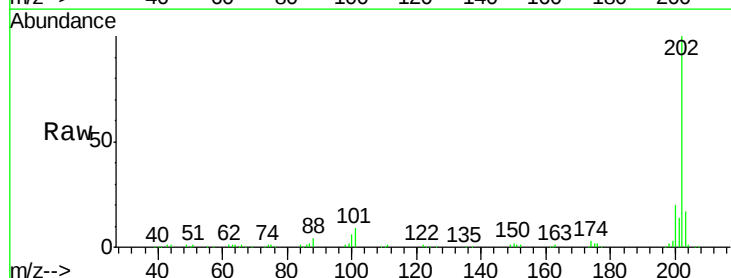


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

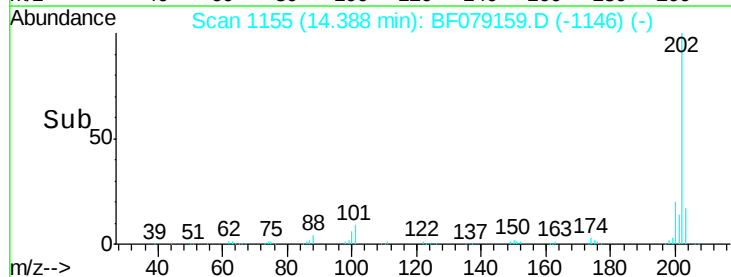
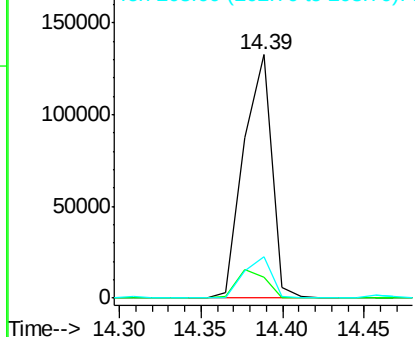


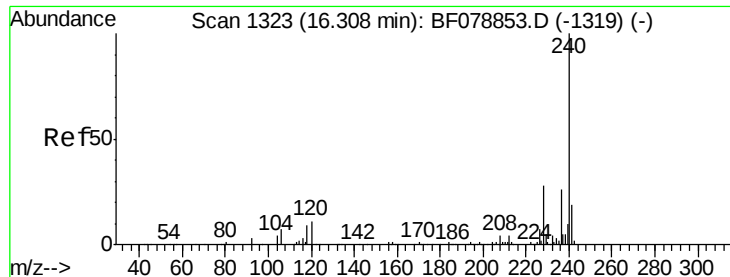
#74
Fluoranthene
Concen: 9.81 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:202 Resp: 157565
Ion Ratio Lower Upper
202 100
101 8.7 0.0 34.6
203 16.9 0.0 38.4



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

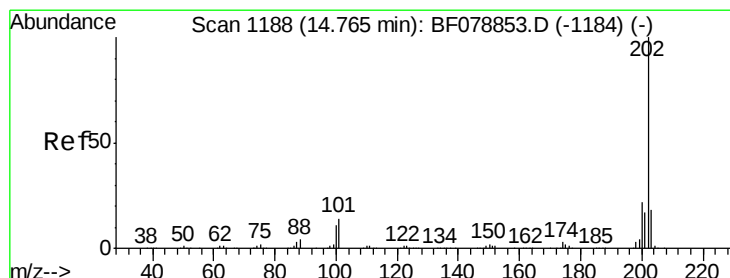
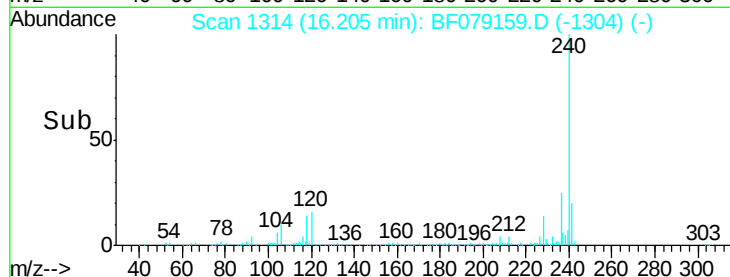
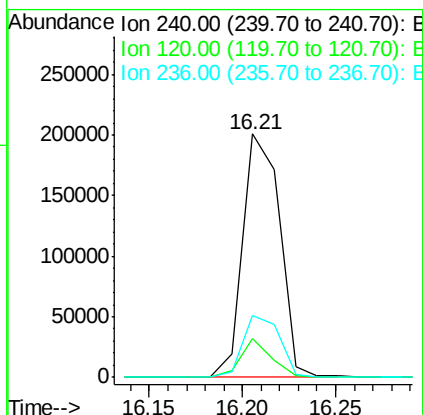
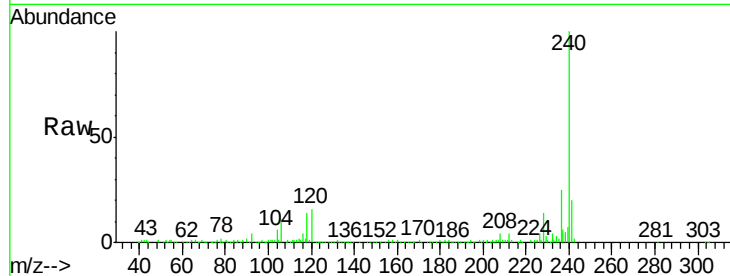




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.21 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

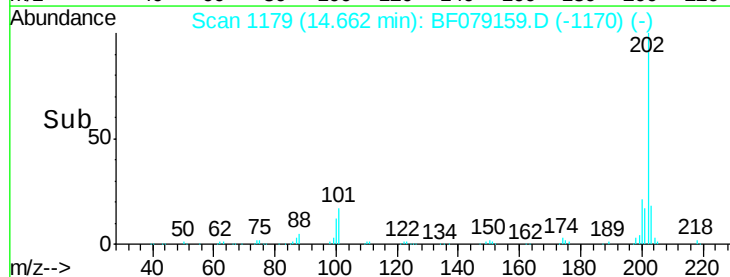
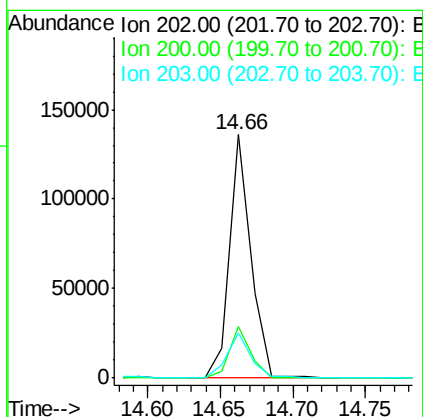
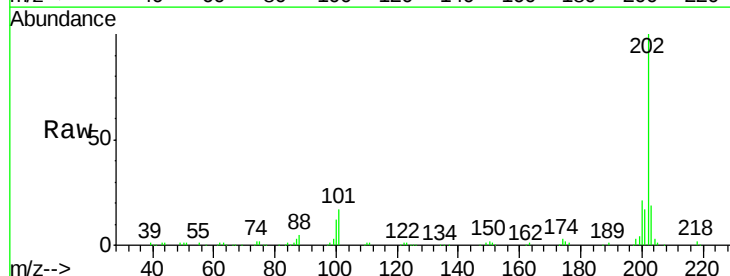
Instrument :
BNA_F
ClientSampleId :
SB-43D

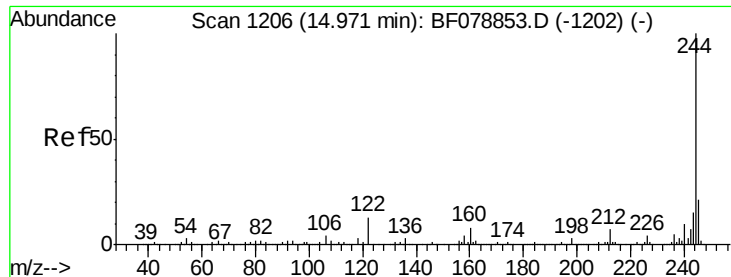
Tgt Ion:240 Resp: 276851
Ion Ratio Lower Upper
240 100
120 15.9 9.7 14.5#
236 25.4 20.2 30.4



#77
Pyrene
Concen: 8.78 ng
RT: 14.66 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF079159.D
Acq: 12 May 2015 15:55

Tgt Ion:202 Resp: 140001
Ion Ratio Lower Upper
202 100
200 21.1 17.5 26.3
203 18.7 13.9 20.9





#78

Terphenyl-d14

Concen: 39.59 ng

RT: 14.87 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

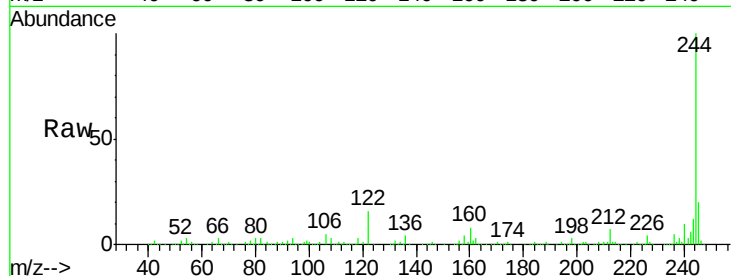
Tgt Ion:244 Resp: 457836

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

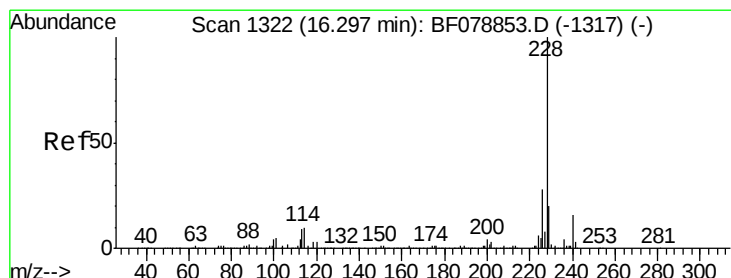
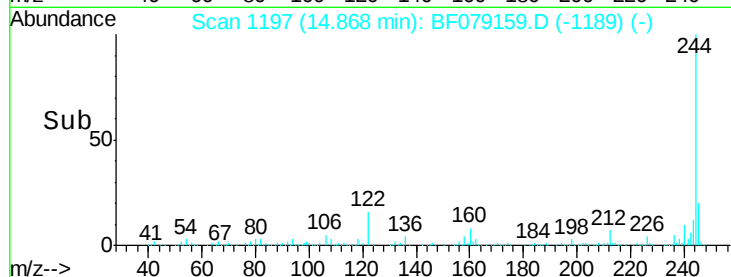
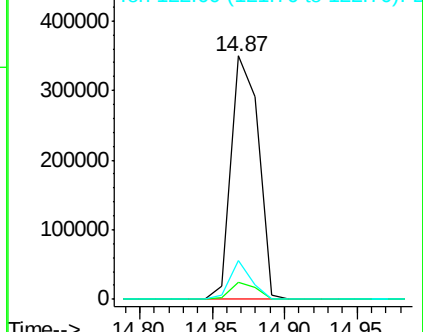
122 15.7 10.3 15.5#



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: 2.60 ng

RT: 16.24 min Scan# 1317

Delta R.T. 0.06 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

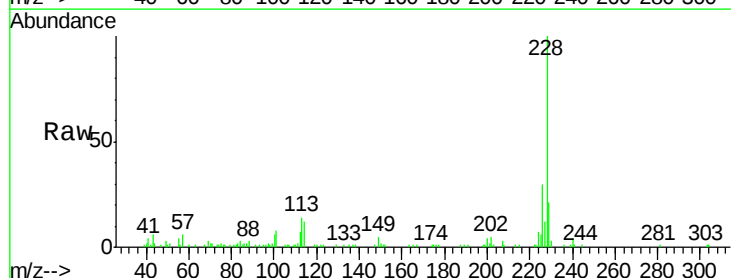
Tgt Ion:228 Resp: 39492

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

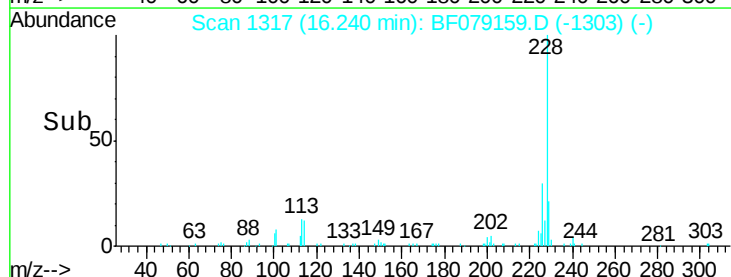
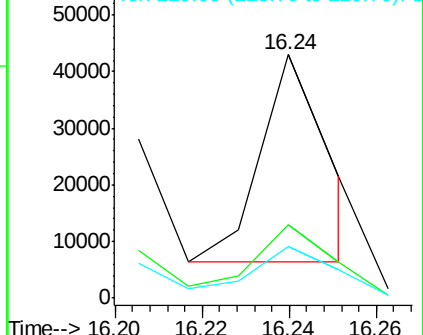
229 21.5 15.9 23.9

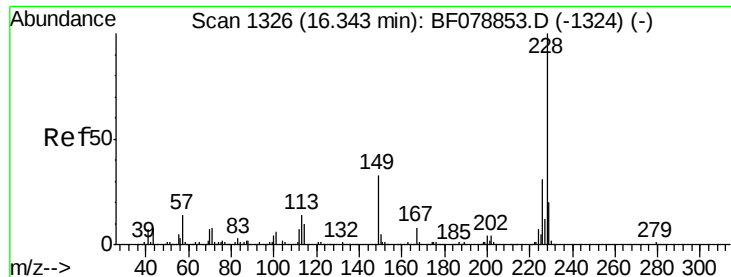


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.63 ng

RT: 16.24 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

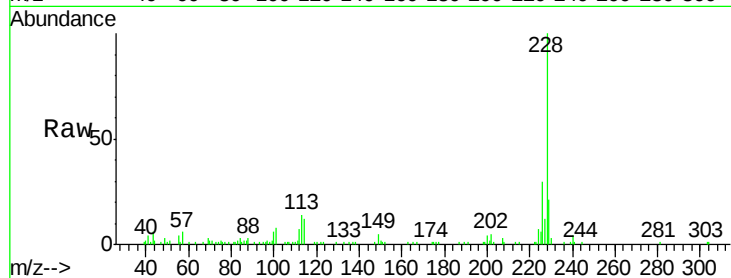
Tgt Ion: 228 Resp: 52933

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

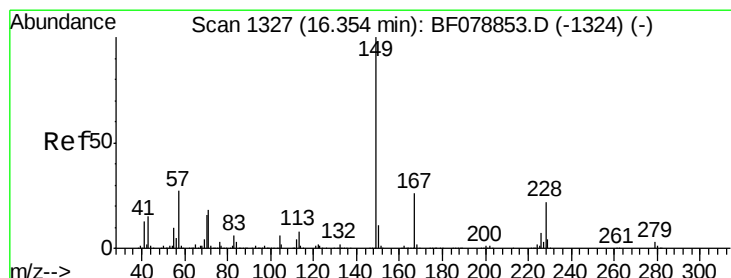
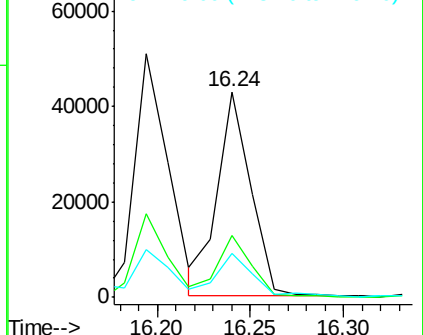
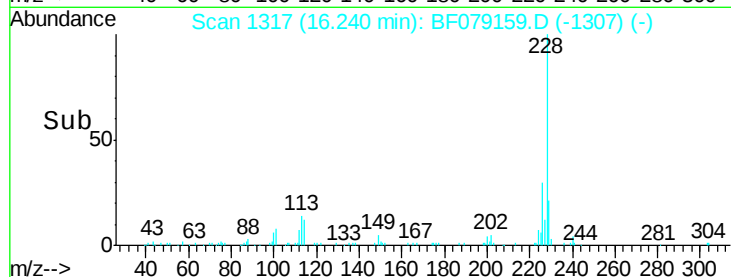
229 21.5 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.34 ng

RT: 16.26 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

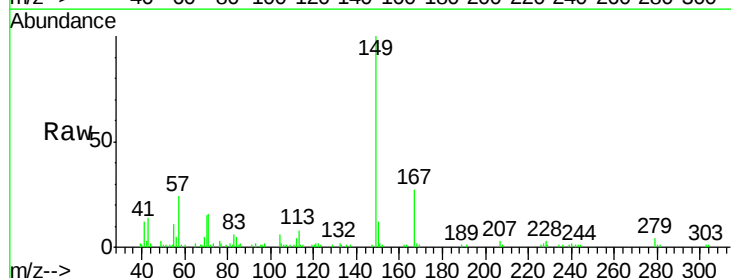
Tgt Ion: 149 Resp: 67012

Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.8

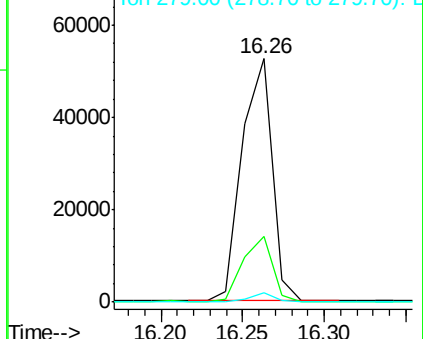
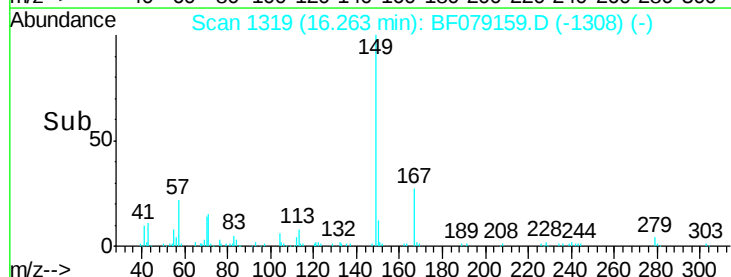
279 4.0 2.9 4.3

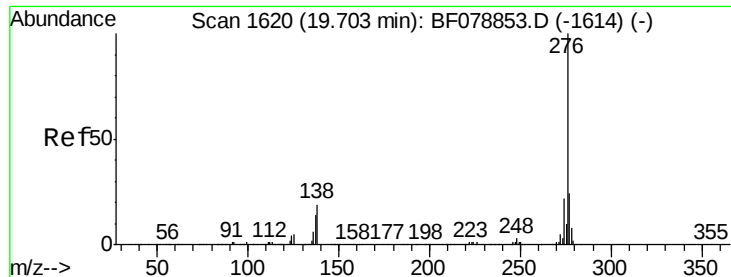


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

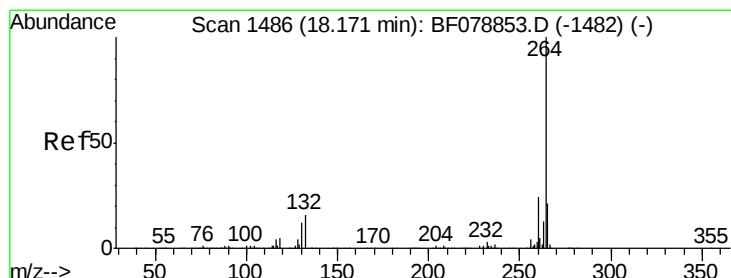
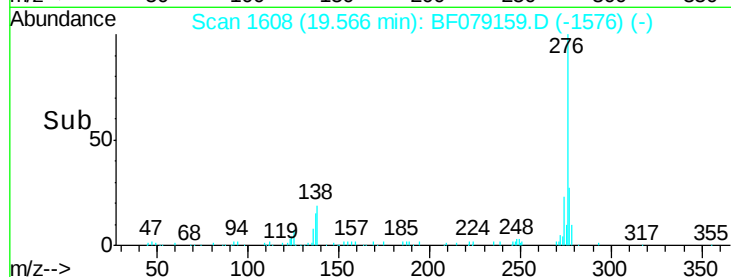
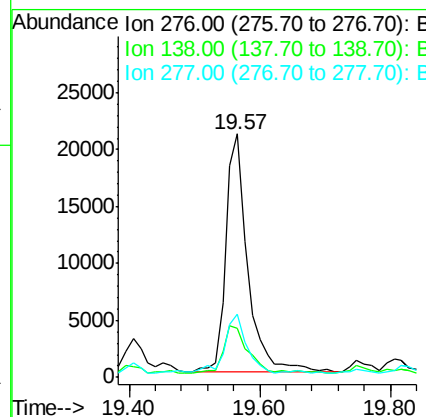
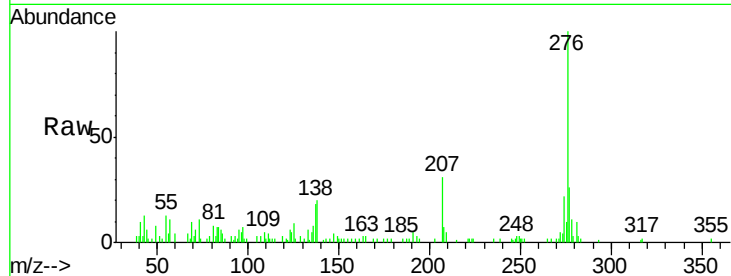




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.64 ng
 RT: 19.57 min Scan# 1608
 Delta R.T. 0.07 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

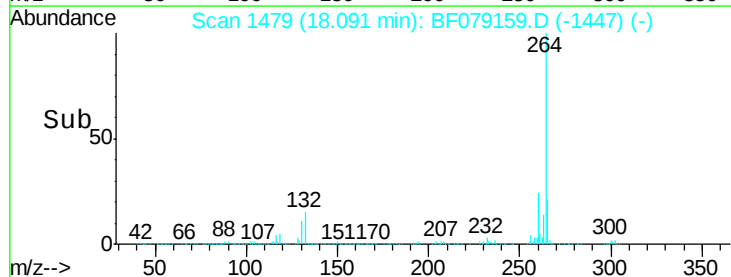
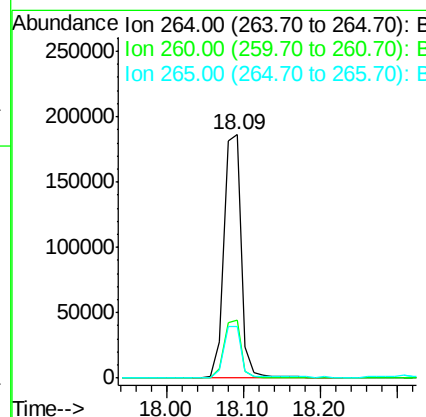
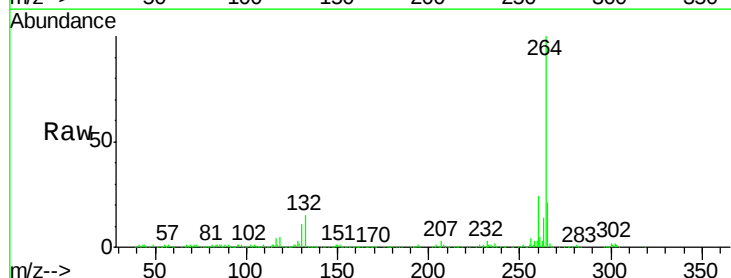
Instrument :
 BNA_F
 ClientSampled :
 SB-43D

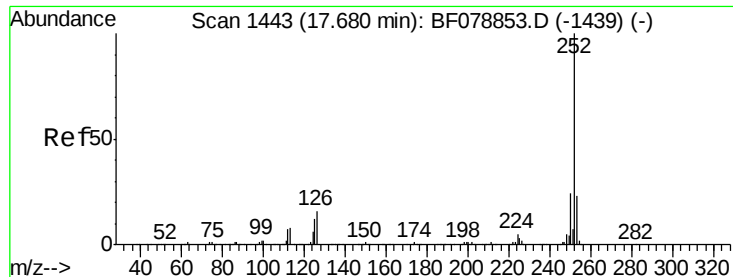
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	0.0	0.0#
277	23.6	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.09 min Scan# 1479
 Delta R.T. 0.07 min
 Lab File: BF079159.D
 Acq: 12 May 2015 15:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.4	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 6.03 ng

RT: 17.60 min Scan# 1436

Delta R.T. 0.06 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampled :

SB-43D

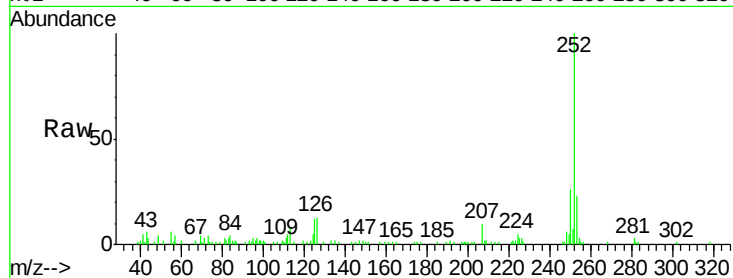
Tgt Ion:252 Resp: 98443

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

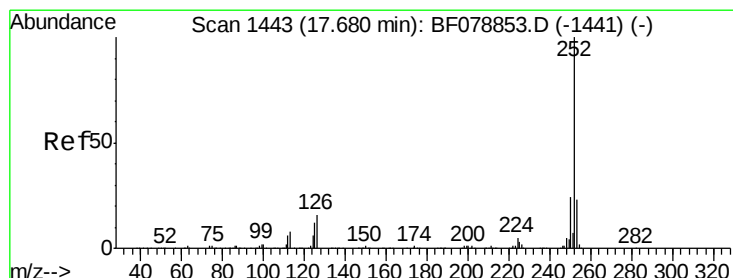
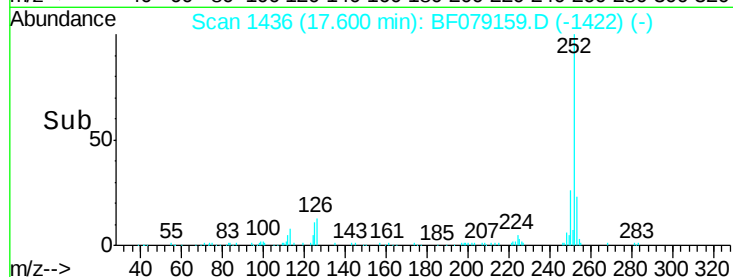
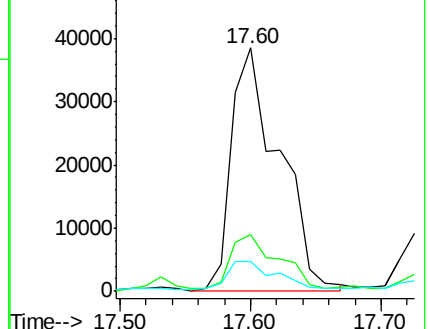
125 12.2 9.5 14.3



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: 6.05 ng

RT: 17.60 min Scan# 1436

Delta R.T. 0.02 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

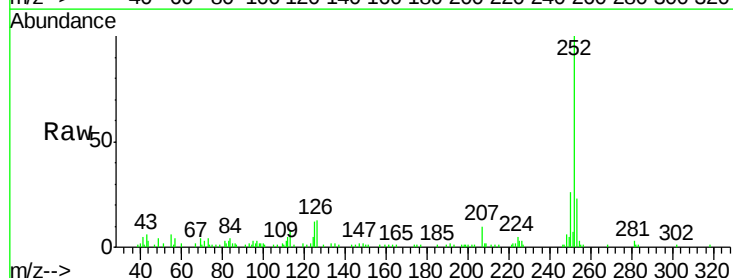
Tgt Ion:252 Resp: 95688

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

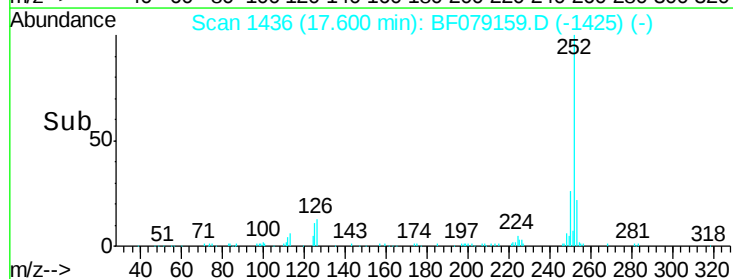
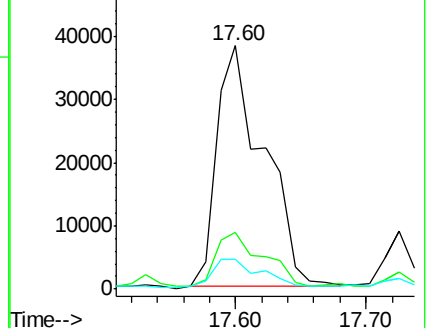
125 12.2 10.0 15.0

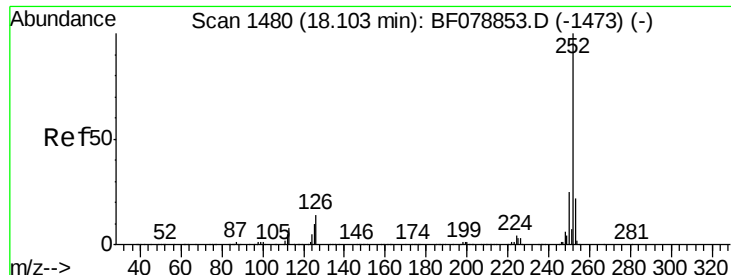


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.80 ng

RT: 18.01 min Scan# 1472

Delta R.T. 0.06 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Instrument :

BNA_F

ClientSampleId :

SB-43D

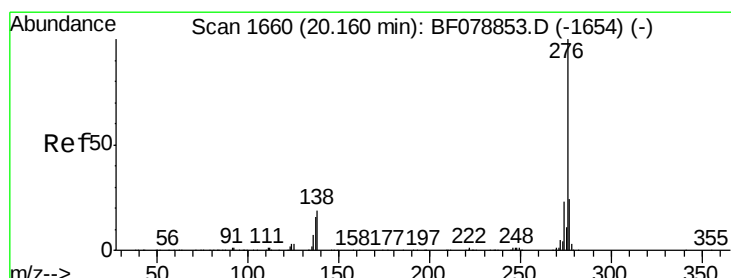
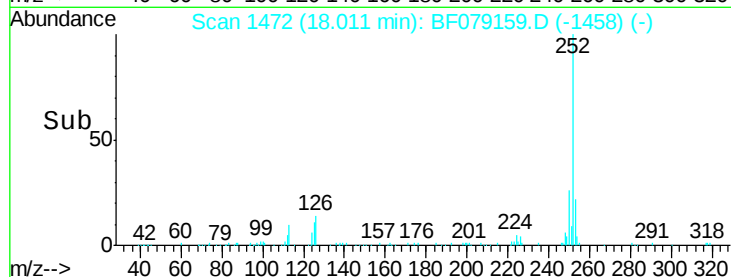
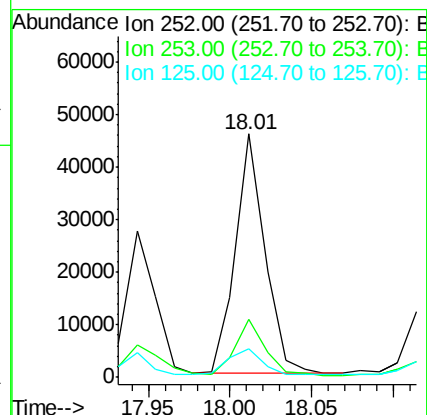
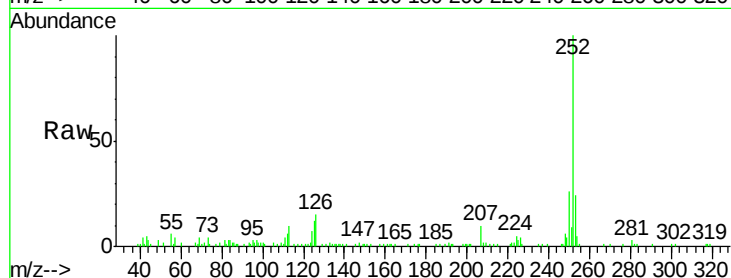
Tgt Ion:252 Resp: 57220

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 11.7 7.0 10.6#



#91

Benzo(g,h,i)perylene

Concen: 2.70 ng

RT: 20.00 min Scan# 1646

Delta R.T. 0.07 min

Lab File: BF079159.D

Acq: 12 May 2015 15:55

Tgt Ion:276 Resp: 43327

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 22.0 17.4 26.0

