

Data Path : Y:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079756.D
 Acq On : 6 Jun 2015 5:29
 Operator : TP/IZ
 Sample : G2450-20 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.4(2)

Quant Time: Jun 08 04:48:11 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 04:31:55 2015
 Response via : Initial Calibration

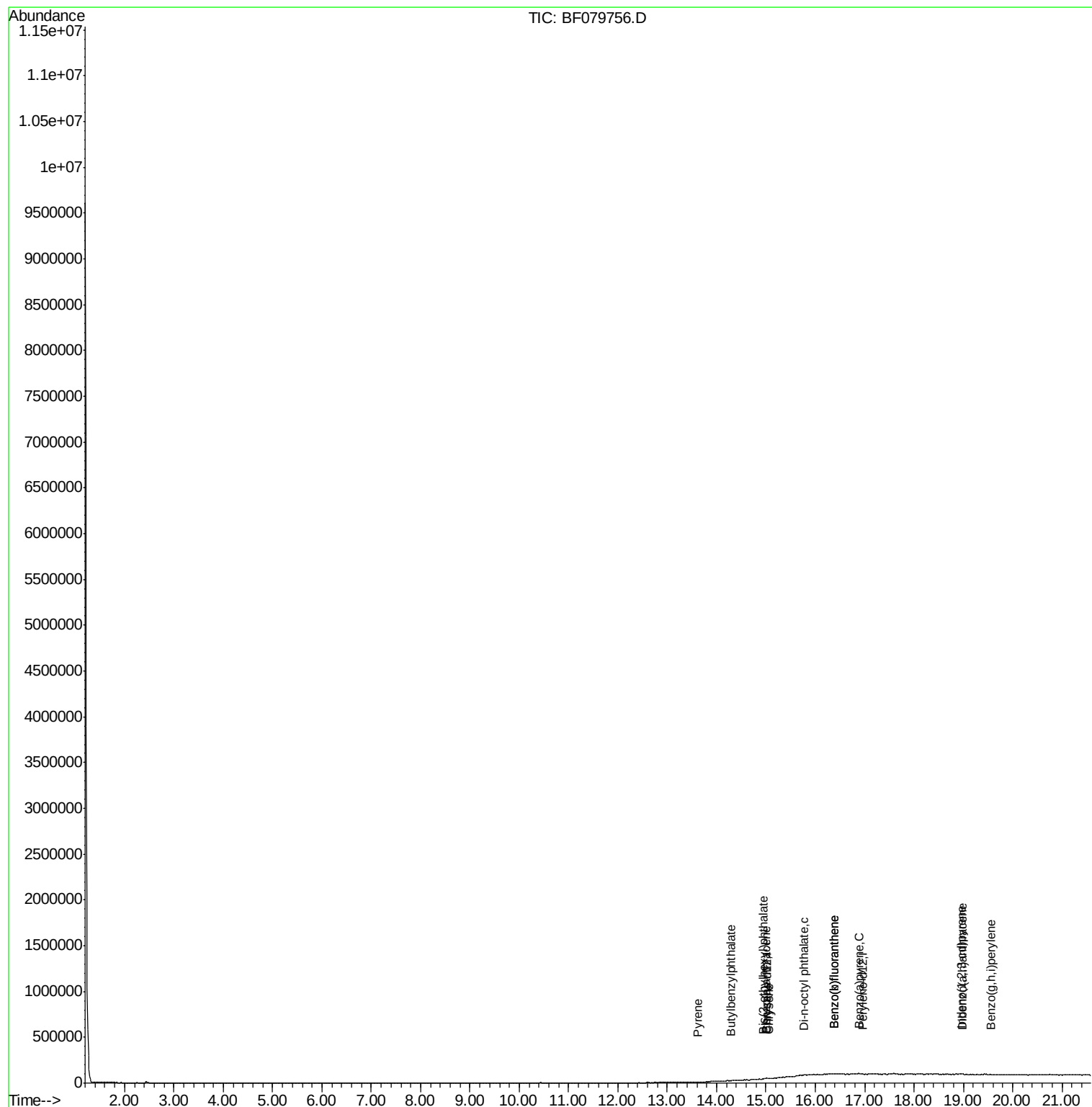
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.50
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.79
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-10.56
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-12.07
75) Chrysene-d12	15.02	240	903	20.00	ng	0.00
86) Perylene-d12	16.97	264	1583	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	567	0.00	ng	0.00
7) Phenol-d6	7.08	99	419	0.00	ng	0.00
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
77) Pyrene	13.61	202	1125	20.32	ng	# 61
79) Butylbenzylphthalate	14.29	149	981	44.45	ng	# 85
80) Benzo(a)anthracene	15.01	228	1098	19.86	ng	# 56
82) Chrysene	15.05	228	1649	32.27	ng	# 82
83) Bis(2-ethylhexyl)phthalate	14.95	149	636	18.24	ng	# 53
84) Di-n-octyl phthalate	15.76	149	324	5.28	ng	# 74
85) Indeno(1,2,3-cd)pyrene	18.96	276	6318	106.81	ng	# 82
87) Benzo(b)fluoranthene	16.39	252	2420	24.61	ng	# 39
88) Benzo(k)fluoranthene	16.39	252	2420	25.66	ng	# 42
89) Benzo(a)pyrene	16.88	252	3279	36.12	ng	# 49
90) Dibenzo(a,h)anthracene	18.98	278	3105	35.44	ng	# 49
91) Benzo(a,h,i)perylene	19.57	276	3630	40.08	ng	# 55

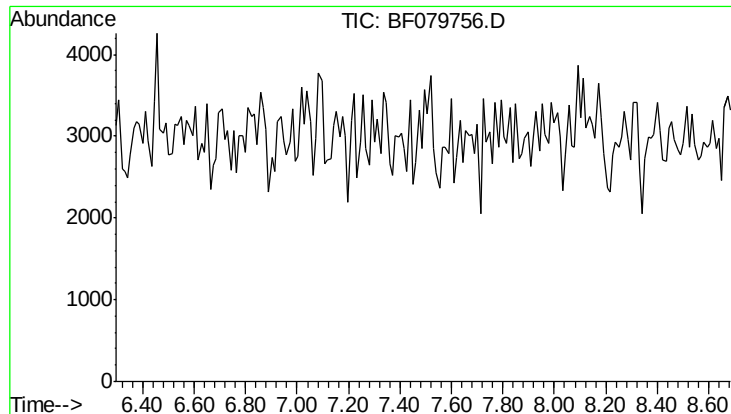
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.50 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

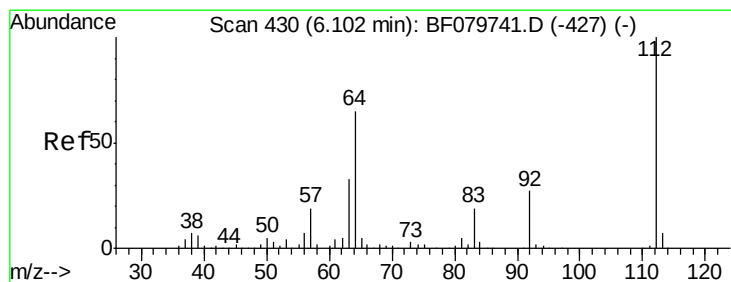
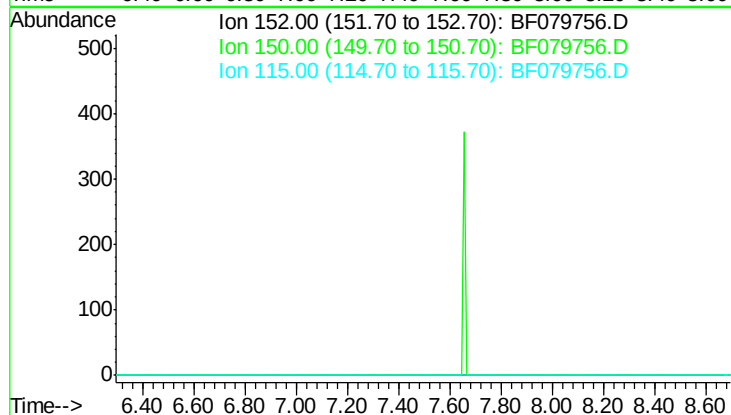
Tot Ion: 152

Sig Exp Ratio

152 100

150 160.1

115 62.1



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 6.10 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

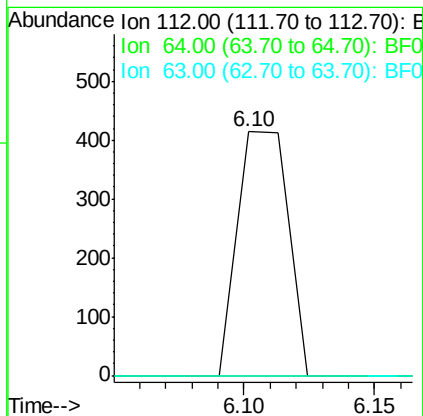
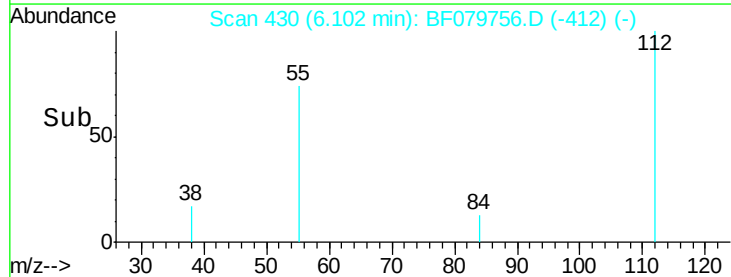
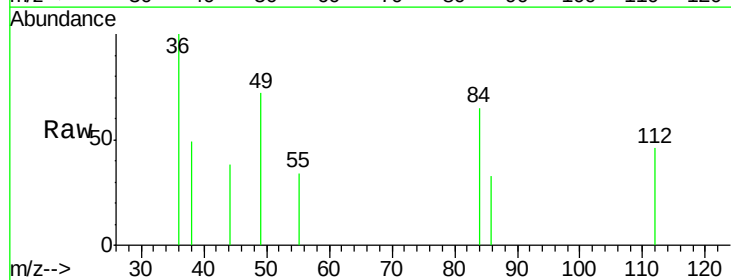
Tgt Ion: 112 Resp: 567

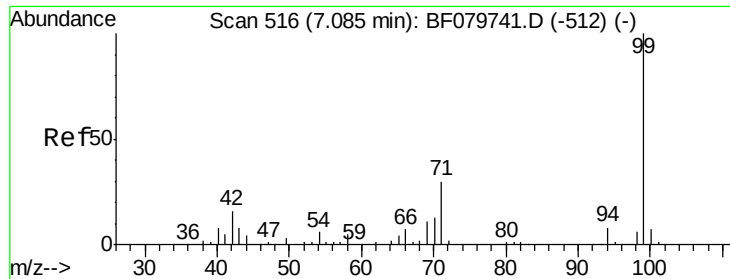
Ion Ratio Lower Upper

112 100

64 0.0 49.6 74.4#

63 0.0 24.9 37.3#





#7

Phenol-d6

Concen: 0.00 ng

RT: 7.08 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

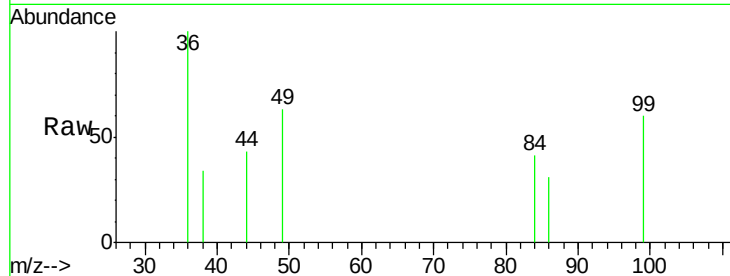
Tot Ion: 99 Resp: 419

Ion Ratio Lower Upper

99 100

42 0.0 18.0 27.0#

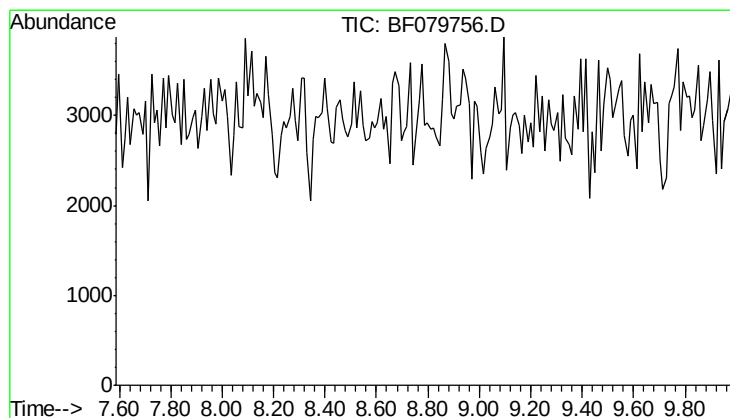
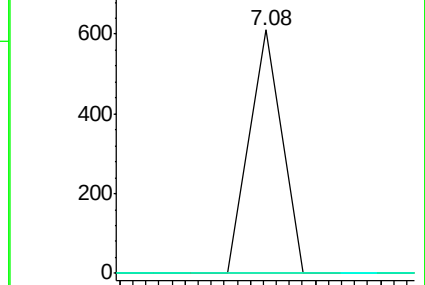
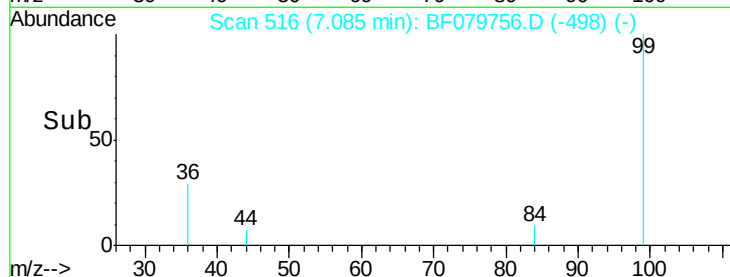
71 0.0 28.4 42.6#



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: 0.00 ng

Expected RT: 8.79 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Tgt Ion: 136

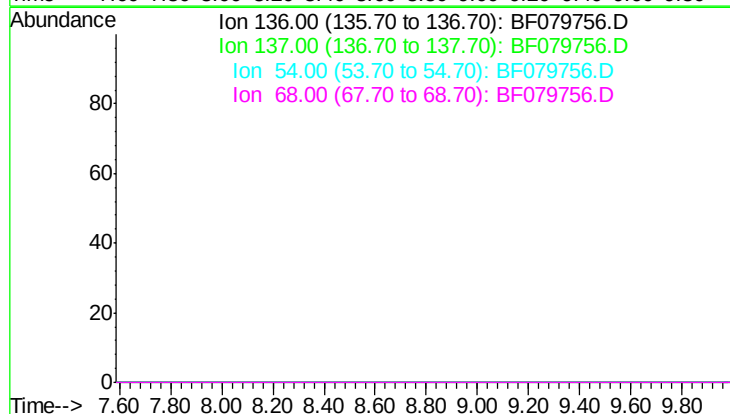
Sig Exp Ratio

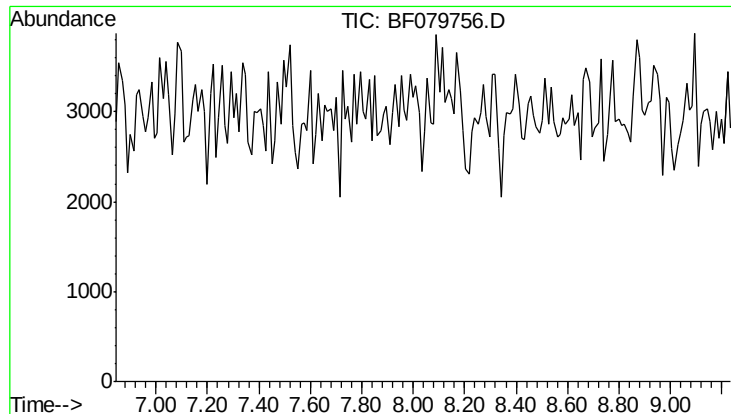
136 100

137 11.0

54 10.9

68 7.3

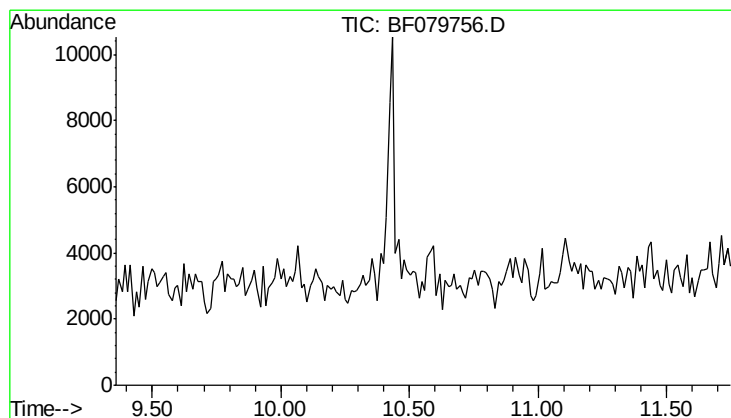
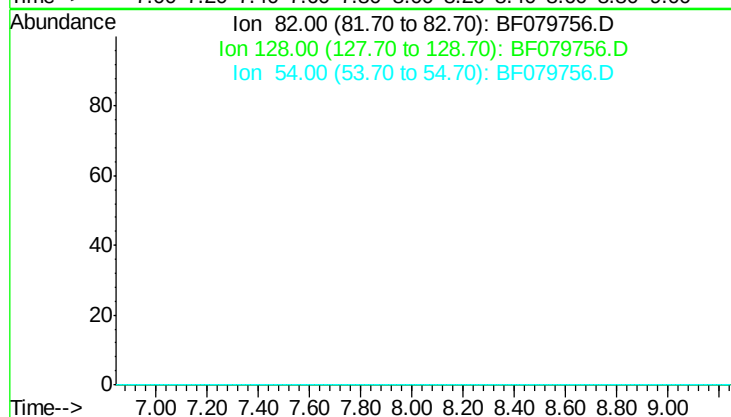




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.04 min
 Lab File: BF079756.D
 Acq: 6 Jun 2015 5:29

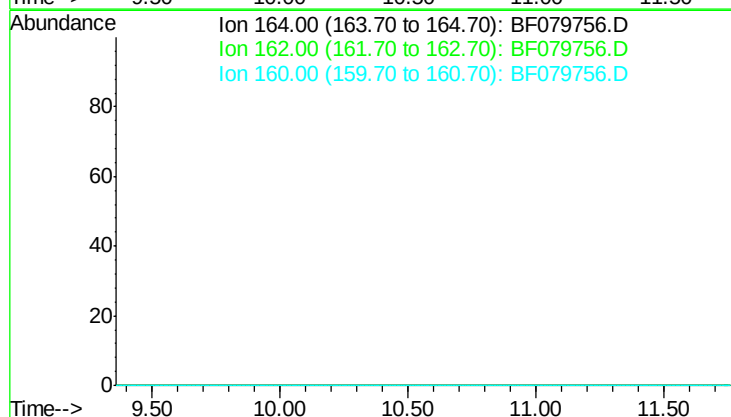
Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.4(2)

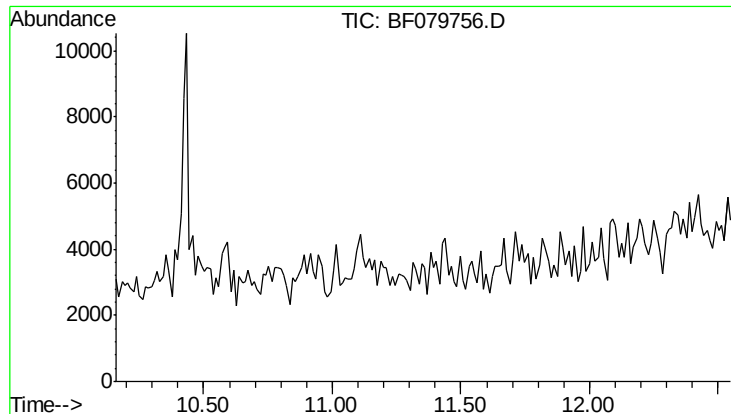
Tot Ion	82
Sig	Exp Ratio
82	100
128	47.0
54	49.3



#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 10.56 min
 Lab File: BF079756.D
 Acq: 6 Jun 2015 5:29

Tgt Ion	164
Sig	Exp Ratio
164	100
162	103.2
160	46.0



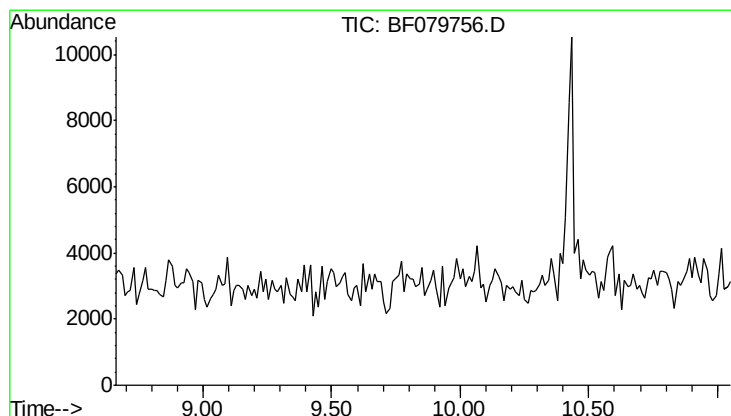
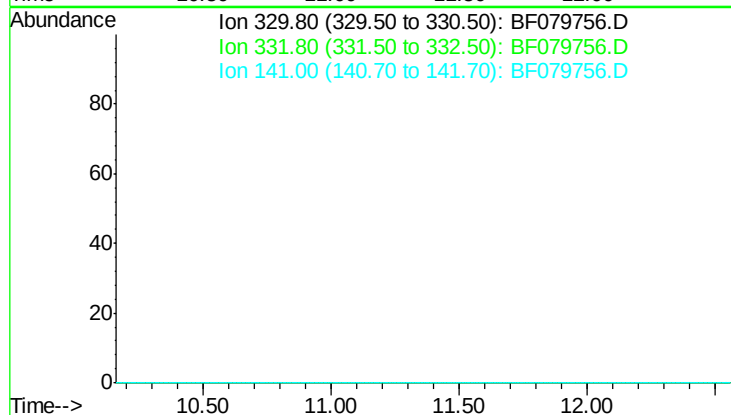


#41
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 11.36 min

Lab File: BF079756.D
Acq: 6 Jun 2015 5:29

Instrument :
BNA_F
ClientSampleId :
RT440NB6.4(2)

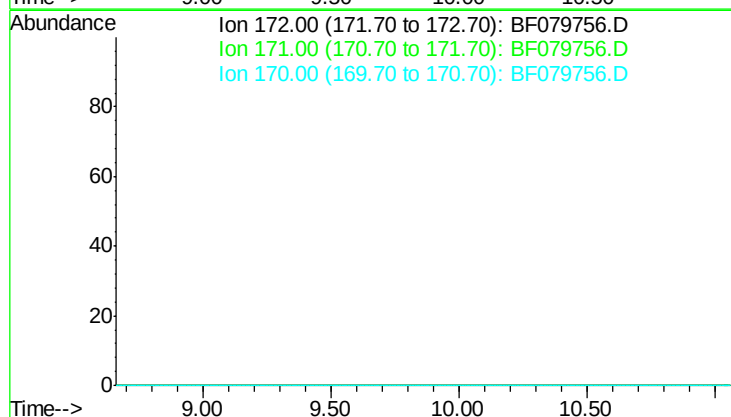
Tot Ion: 330
Sig Exp Ratio
330 100
332 96.7
141 37.7

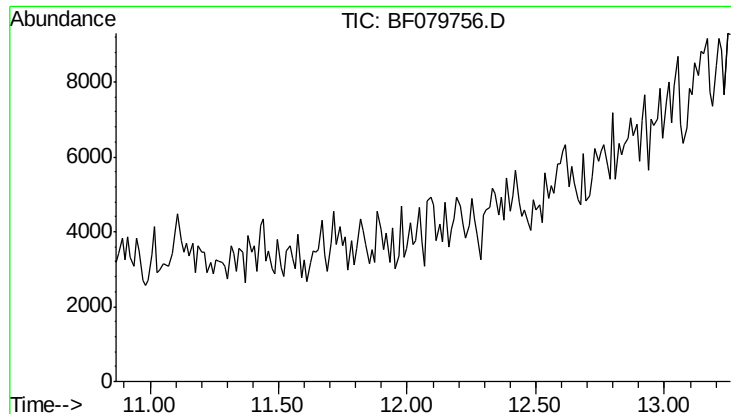


#44
2-Fluorobiphenyl
Concen: 0.00 ng
Expected RT: 9.86 min

Lab File: BF079756.D
Acq: 6 Jun 2015 5:29

Tgt Ion: 172
Sig Exp Ratio
172 100
171 36.7
170 24.6

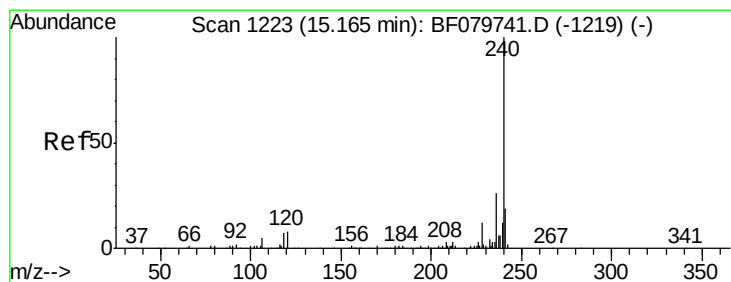
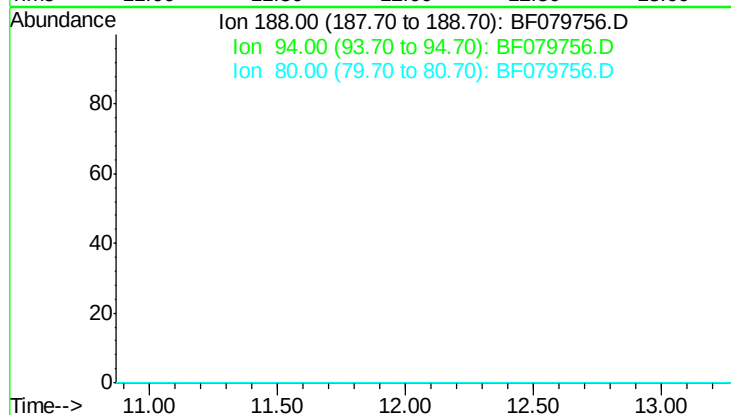




#63
 Phenanthrene-d10
 Concen: 0.00 ng
 Expected RT: 12.07 min
 Lab File: BF079756.D
 Acq: 6 Jun 2015 5:29

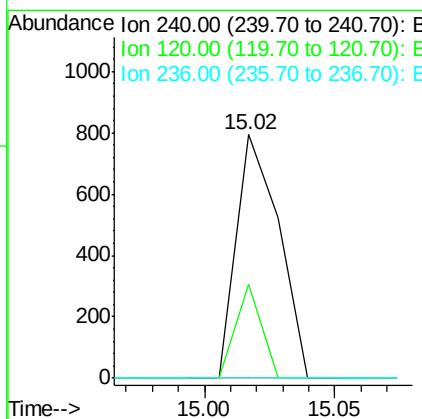
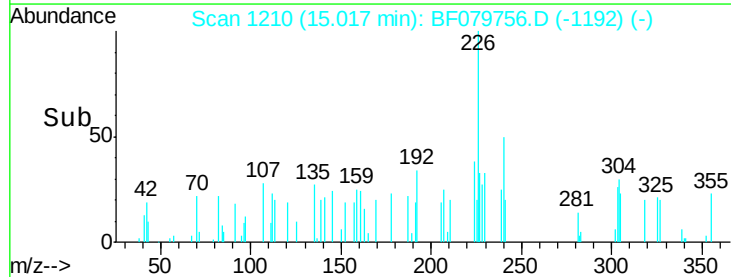
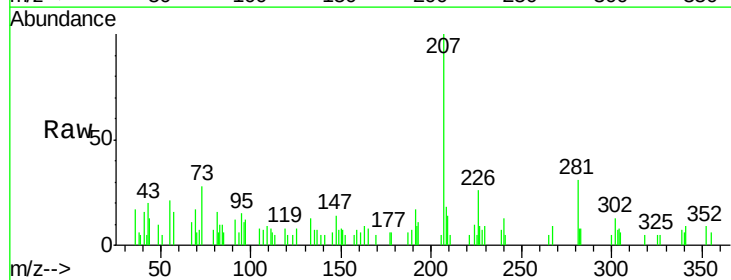
Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.4(2)

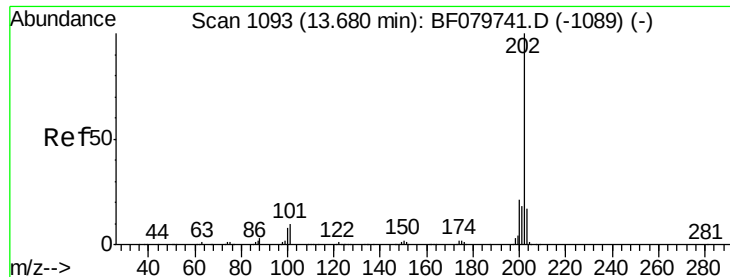
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 6.2
 80 6.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.02 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BF079756.D
 Acq: 6 Jun 2015 5:29

Tgt Ion: 240 Resp: 903
 Ion Ratio Lower Upper
 240 100
 120 38.3 6.2 9.2#
 236 0.0 21.0 31.4#





#77

Pvrene

Concen: 20.32 ng

RT: 13.61 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

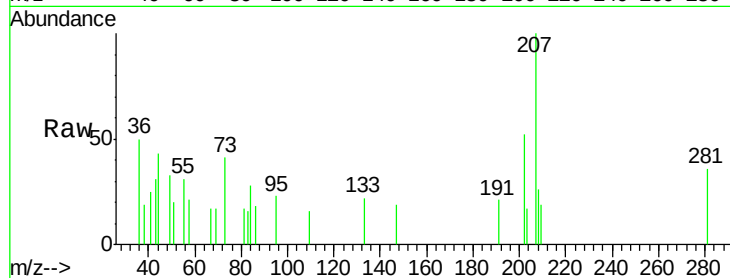
Tot Ion: 202 Resp: 1125

Ion Ratio Lower Upper

202 100

200 0.0 17.5 26.3#

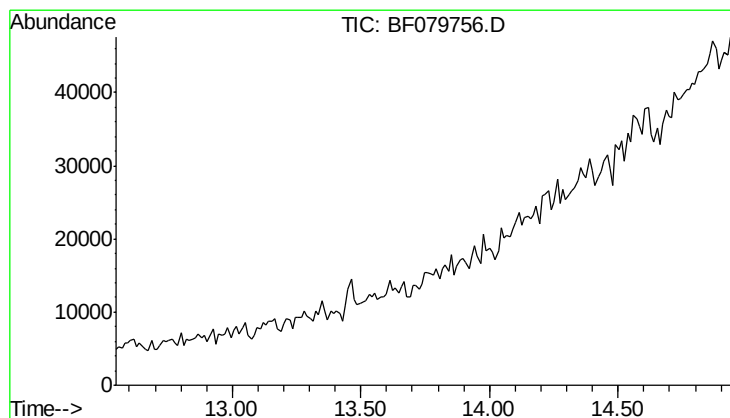
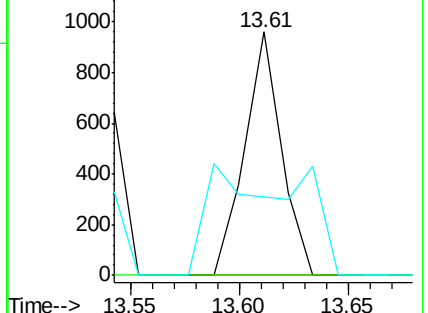
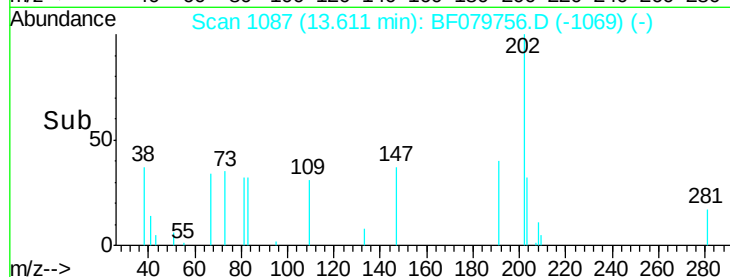
203 32.4 14.8 22.2#



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: 0.00 ng

Expected RT: 13.75 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

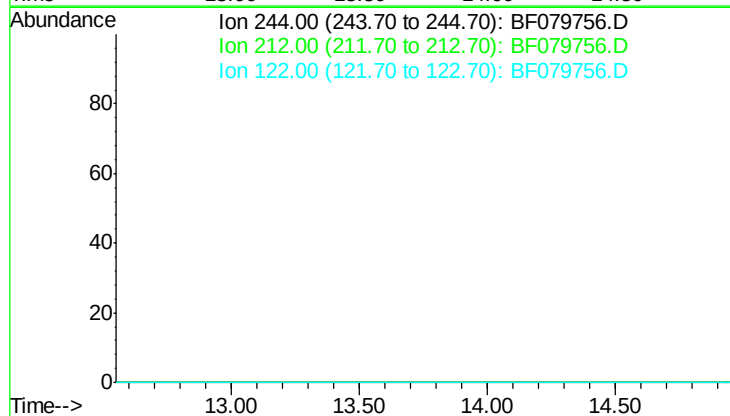
Tgt Ion: 244

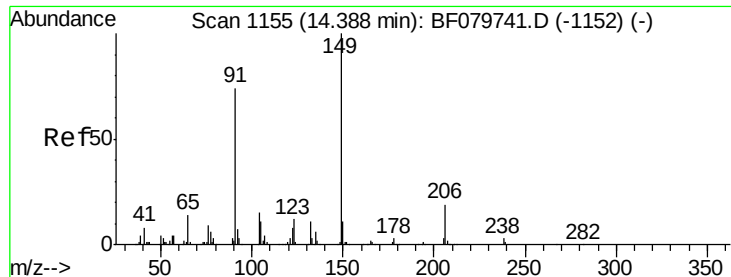
Sig Exp Ratio

244 100

212 7.6

122 11.6

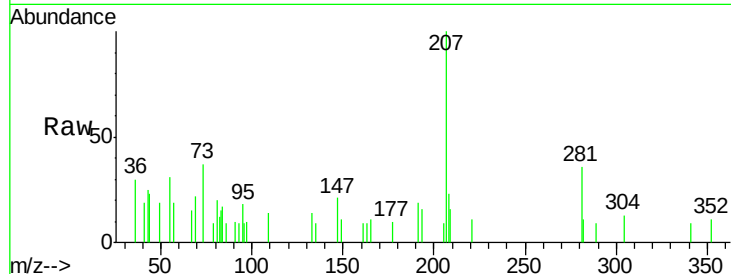




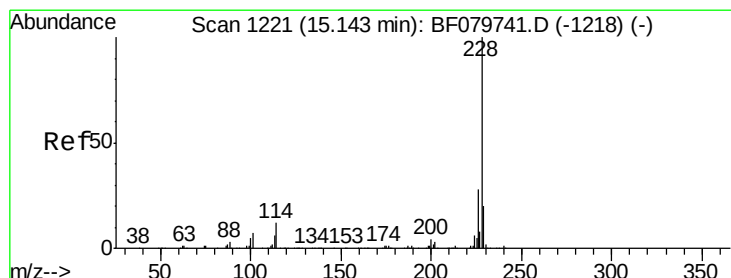
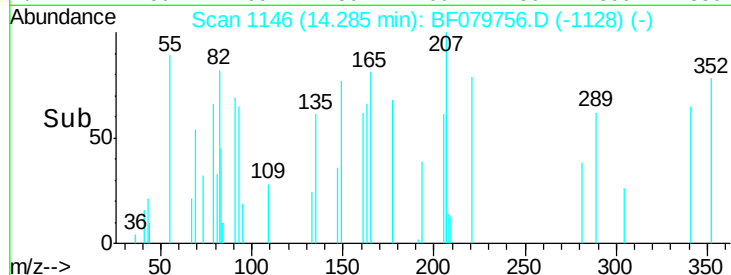
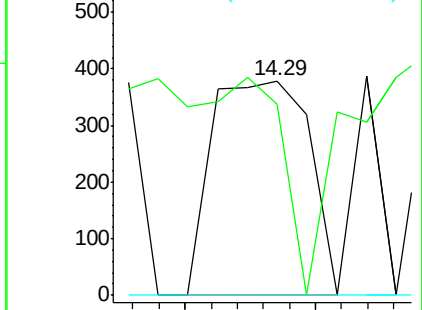
#79
Butylbenzylphthalate
Concen: 44.45 ng
RT: 14.29 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF079756.D
Acq: 6 Jun 2015 5:29

Instrument :
BNA_F
ClientSampleId :
RT440NB6.4(2)

Tot Ion:149 Resp: 981
Ion Ratio Lower Upper
149 100
91 88.9 64.4 96.6
206 0.0 14.8 22.2#

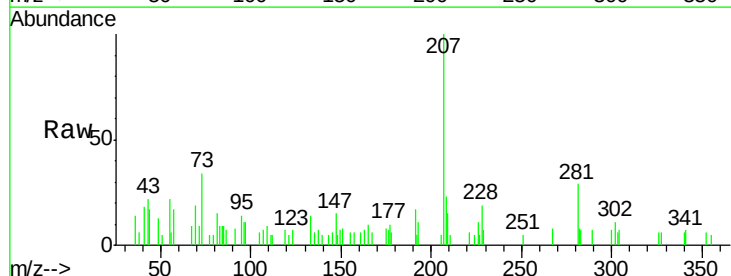


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

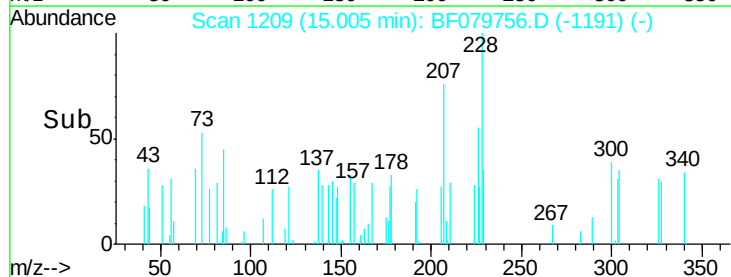
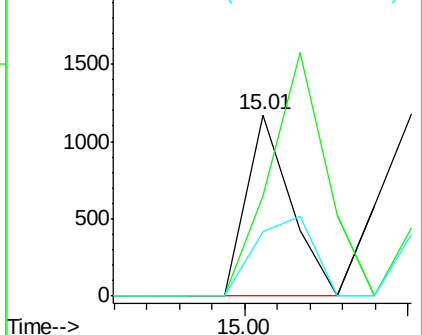


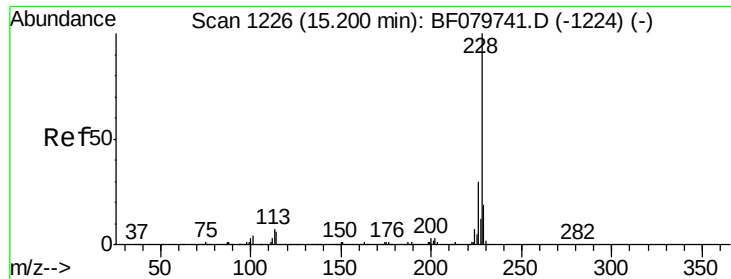
#80
Benzo(a)anthracene
Concen: 19.86 ng
RT: 15.01 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF079756.D
Acq: 6 Jun 2015 5:29

Tgt Ion:228 Resp: 1098
Ion Ratio Lower Upper
228 100
226 55.5 22.2 33.4#
229 35.3 16.6 25.0#



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





#82

Chrysene

Concen: 32.27 ng

RT: 15.05 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

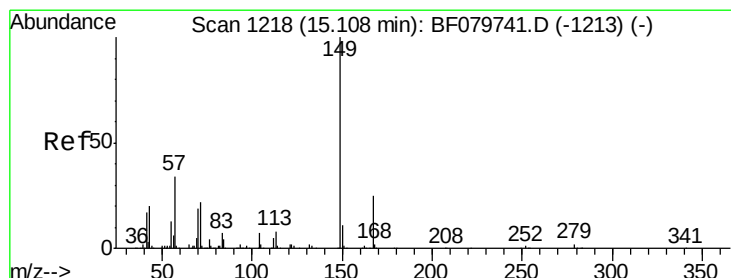
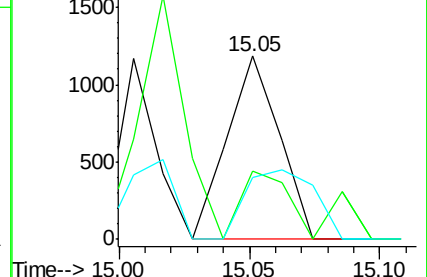
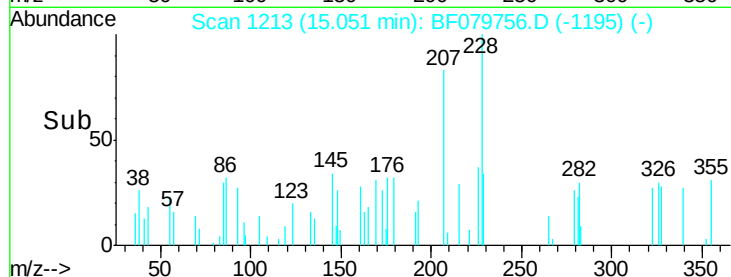
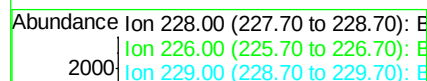
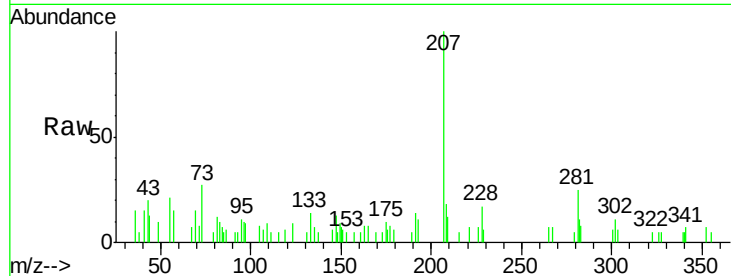
Tot Ion:228 Resp: 1649

Ion Ratio Lower Upper

228 100

226 37.2 25.2 37.8

229 33.8 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 18.24 ng

RT: 14.95 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

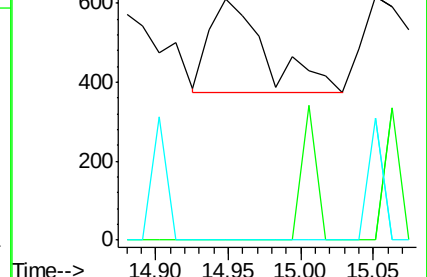
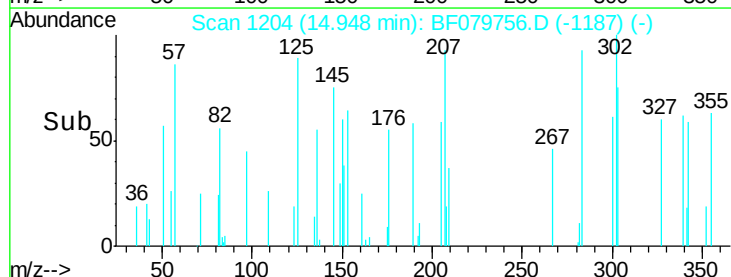
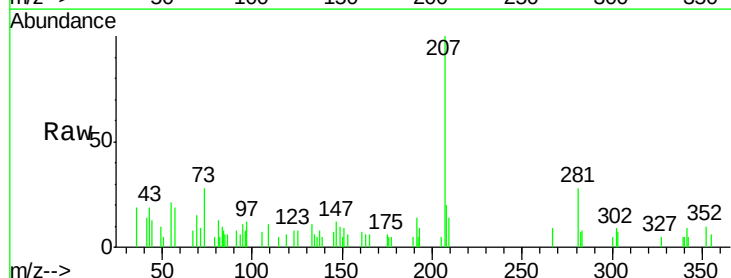
Tgt Ion:149 Resp: 636

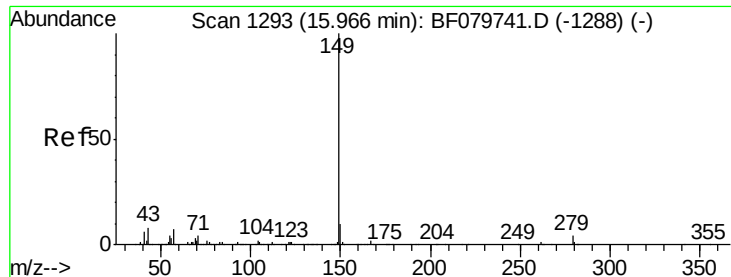
Ion Ratio Lower Upper

149 100

167 0.0 20.9 31.3#

279 0.0 2.2 3.2#





#84

Di-n-octyl phthalate

Concen: 5.28 ng

RT: 15.76 min Scan# 1275

Delta R.T. 0.01 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

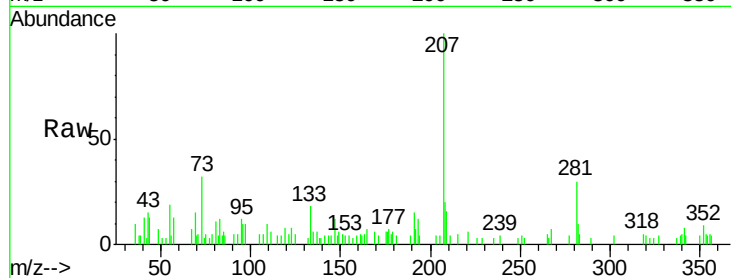
Tot Ion:149 Resp: 324

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

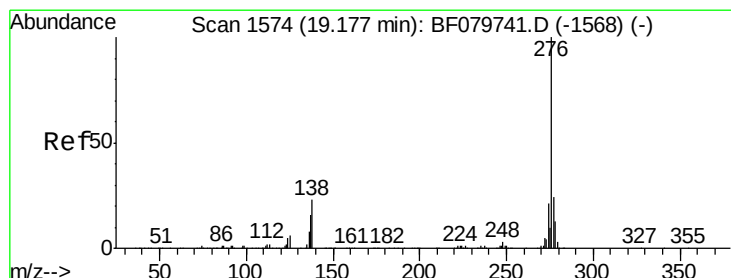
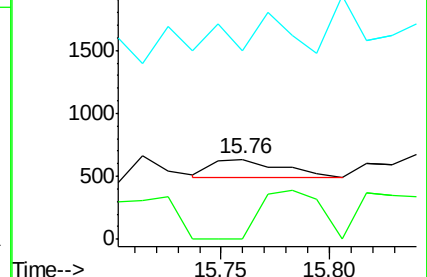
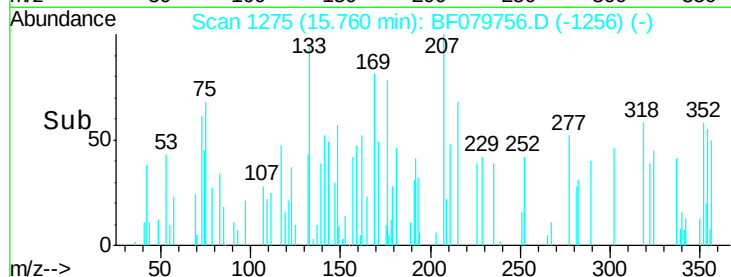
43 0.0 9.0 13.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 106.81 ng

RT: 18.96 min Scan# 1555

Delta R.T. 0.01 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

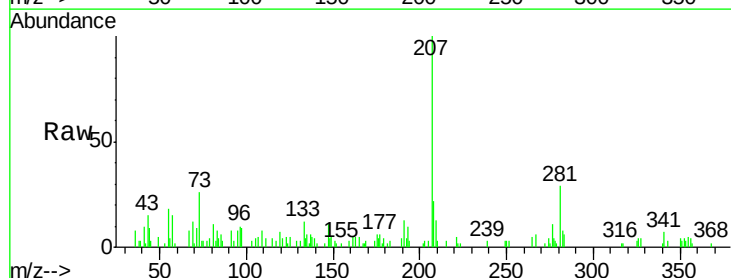
Tgt Ion:276 Resp: 6318

Ion Ratio Lower Upper

276 100

138 36.5 20.8 31.2#

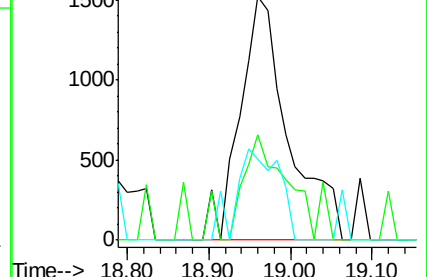
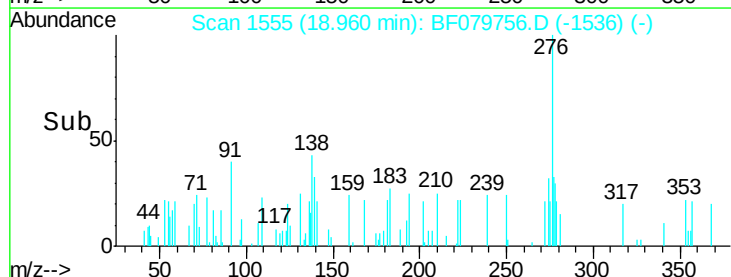
277 32.9 20.0 30.0#

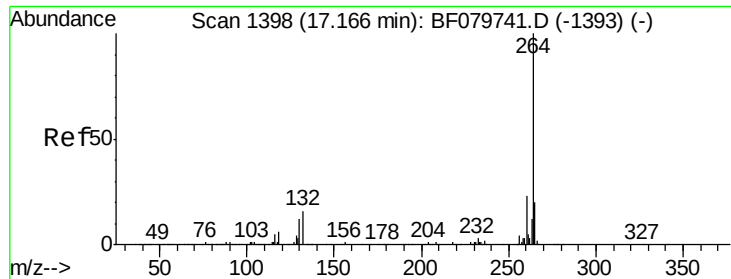


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

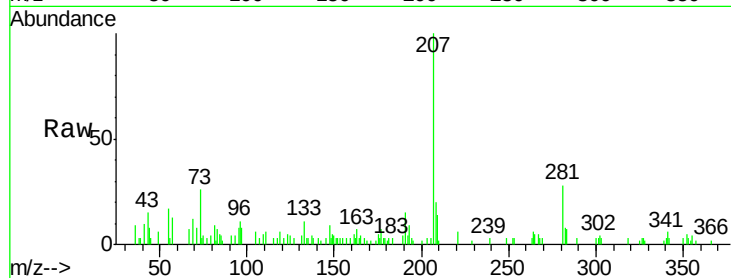




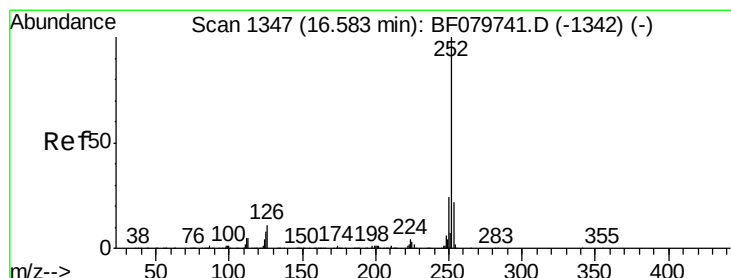
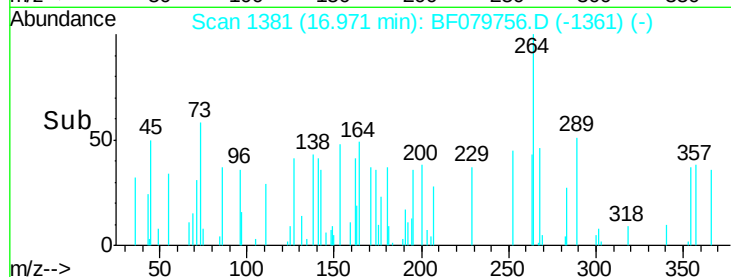
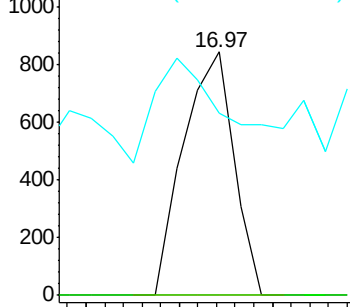
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.97 min Scan# 1381
Delta R.T. 0.02 min
Lab File: BF079756.D
Acq: 6 Jun 2015 5:29

Instrument :
BNA_F
ClientSampleId :
RT440NB6.4(2)

Tot Ion:264 Resp: 1583
Ion Ratio Lower Upper
264 100
260 0.0 18.6 27.8#
265 74.8 18.2 27.4#

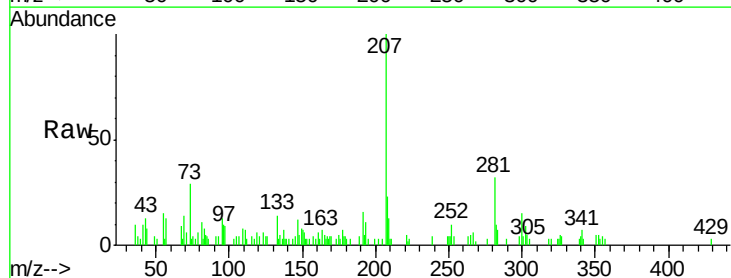


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

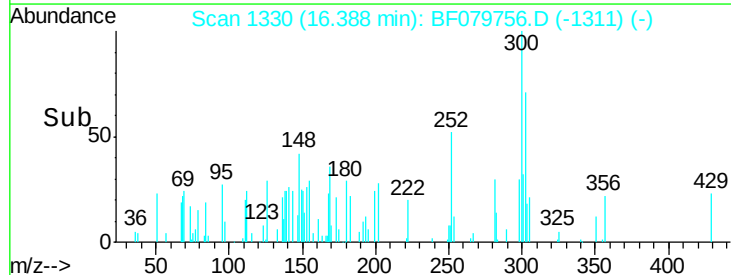
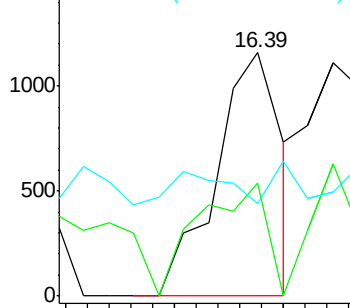


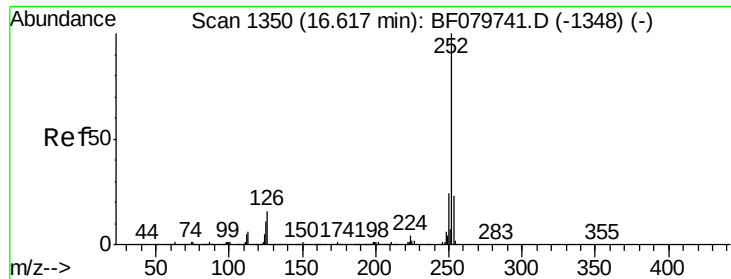
#87
Benzo(b)fluoranthene
Concen: 24.61 ng
RT: 16.39 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF079756.D
Acq: 6 Jun 2015 5:29

Tgt Ion:252 Resp: 2420
Ion Ratio Lower Upper
252 100
253 46.6 17.4 26.2#
125 37.9 6.5 9.7#



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: 25.66 ng

RT: 16.39 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

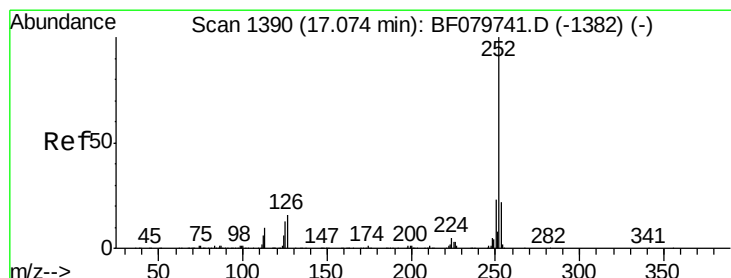
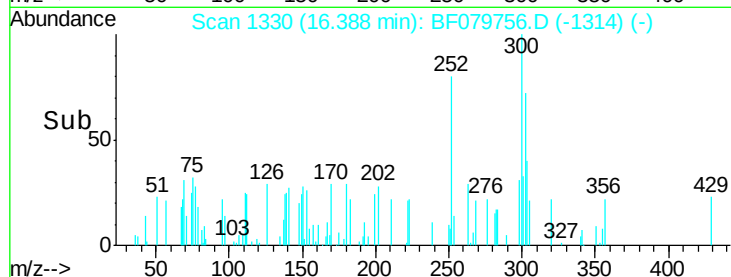
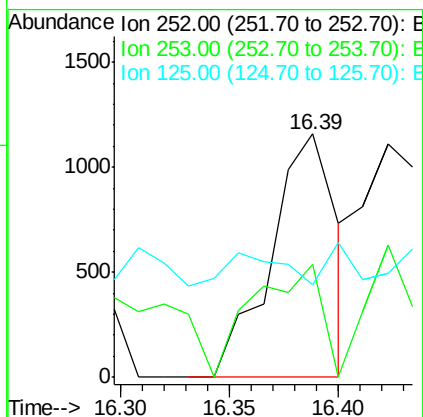
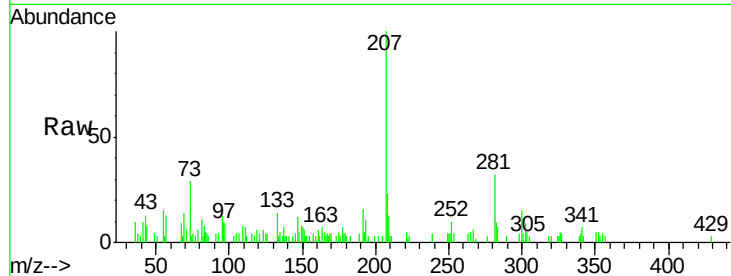
Tot Ion:252 Resp: 2420

Ion Ratio Lower Upper

252 100

253 46.6 17.8 26.8#

125 37.9 8.4 12.6#



#89

Benzo(a)pyrene

Concen: 36.12 ng

RT: 16.88 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

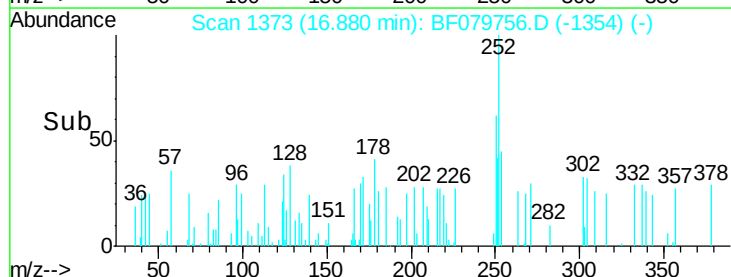
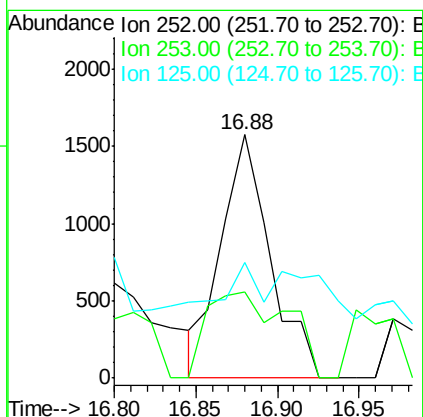
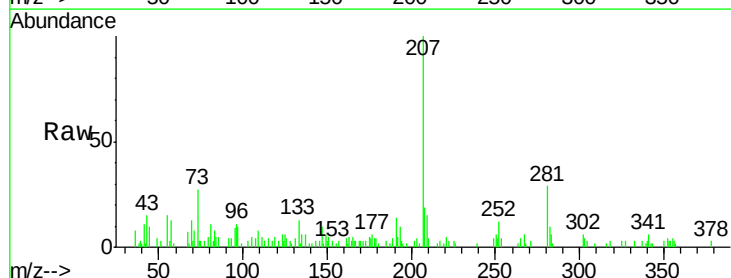
Tgt Ion:252 Resp: 3279

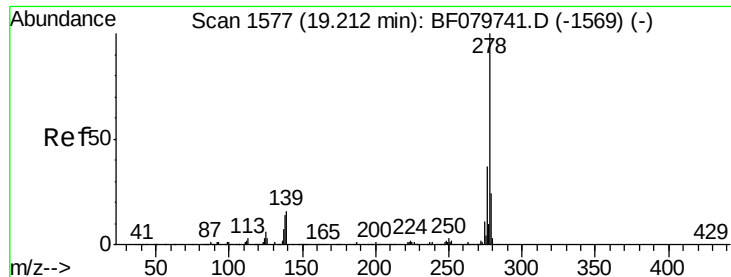
Ion Ratio Lower Upper

252 100

253 35.2 17.6 26.4#

125 47.5 7.4 11.0#





#90

Dibenzo(a,h)anthracene

Concen: 35.44 ng

RT: 18.98 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

RT440NB6.4(2)

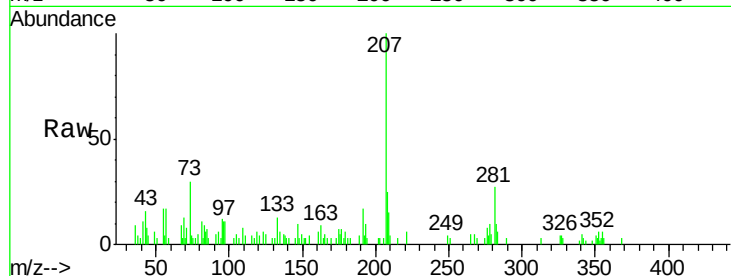
Tot Ion:278 Resp: 3105

Ion Ratio Lower Upper

278 100

139 31.8 12.7 19.1#

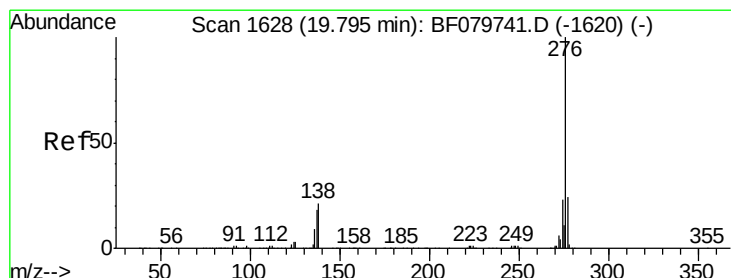
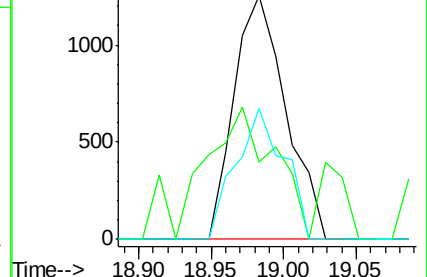
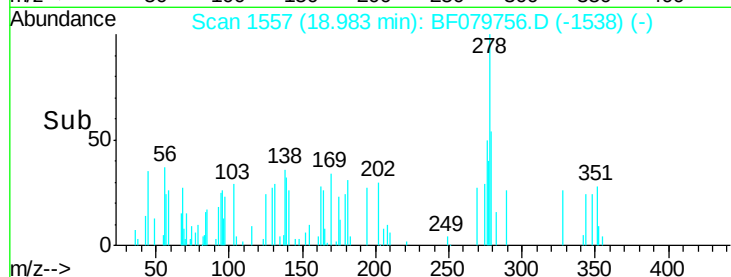
279 53.7 19.4 29.2#



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: 40.08 ng

RT: 19.57 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BF079756.D

Acq: 6 Jun 2015 5:29

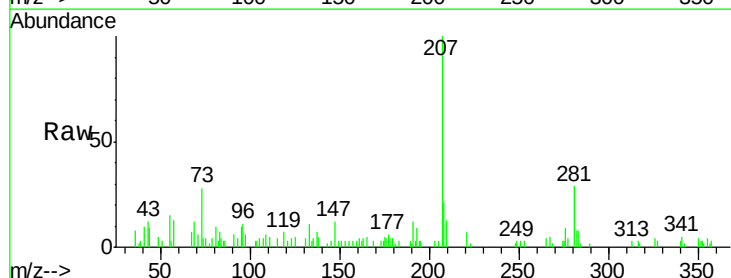
Tgt Ion:276 Resp: 3630

Ion Ratio Lower Upper

276 100

277 41.8 18.8 28.2#

138 48.1 18.2 27.2#



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

