

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
 Data File : BF079462.D
 Acq On : 23 May 2015 7:54
 Operator : TP/IZ
 Sample : G2289-15 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Quant Time: May 25 07:00:16 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

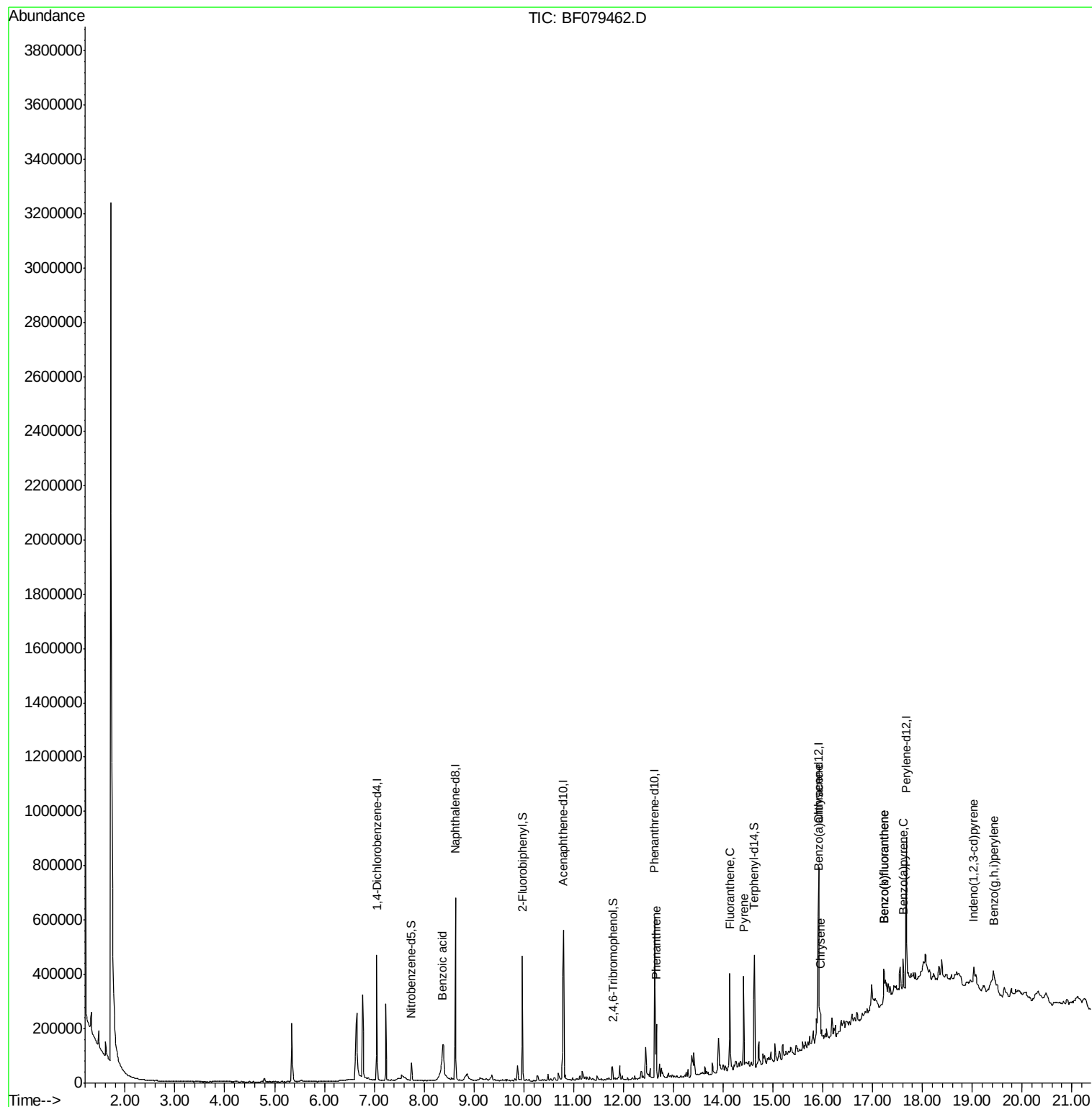
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	72544	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	297892	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	138098	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	259751	20.00	ng	0.00
75) Chrysene-d12	15.92	240	260652	20.00	ng	0.01
86) Perylene-d12	17.68	264	264129	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.75	82	20440	3.94	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	8450	5.66	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	144635	14.59	ng	0.00
78) Terphenyl-d14	14.63	244	159679	14.67	ng	0.00
Target Compounds						
32) Benzoic acid	8.38	122	451	6.46	ng	Qvalue # 1
70) Phenanthrene	12.66	178	78715	5.42	ng	98
74) Fluoranthene	14.14	202	146078	9.65	ng	94
77) Pyrene	14.41	202	139083	9.26	ng	97
80) Benzo(a)anthracene	15.91	228	80180	5.62	ng	97
82) Chrysene	15.95	228	53124	3.87	ng	96
85) Indeno(1,2,3-cd)pyrene	19.03	276	41569	2.38	ng	98
87) Benzo(b)fluoranthene	17.22	252	111388	7.70	ng	# 97
88) Benzo(k)fluoranthene	17.22	252	111388	7.96	ng	# 93
89) Benzo(a)pyrene	17.61	252	62064	4.66	ng	# 92
91) Benzo(g,h,i)perylene	19.43	276	45263	3.19	ng	# 92

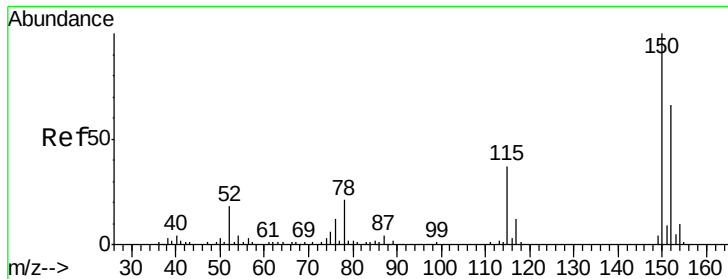
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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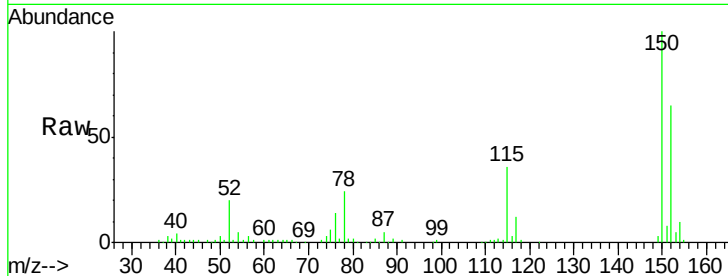




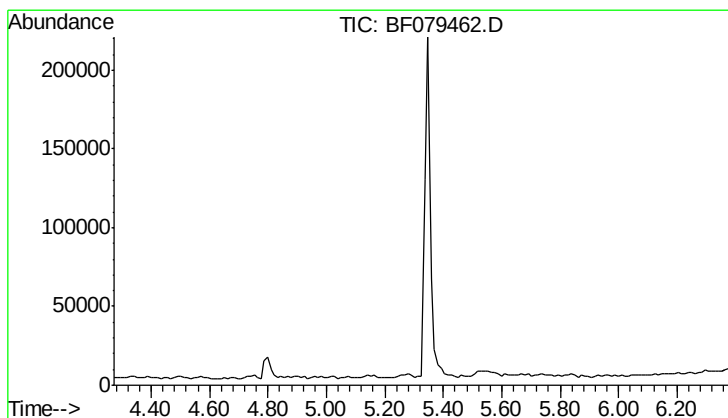
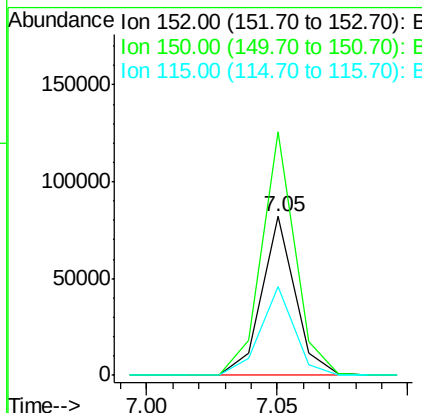
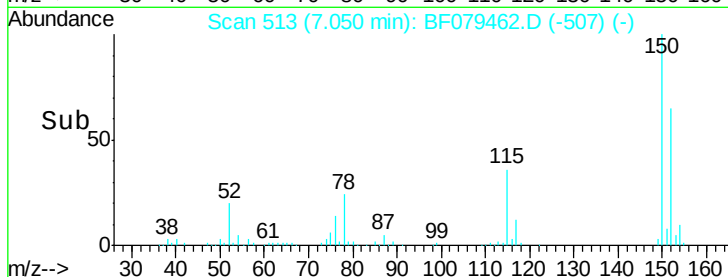
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tgt Ion: 152 Resp: 72544
 Ion Ratio Lower Upper
 152 100
 150 153.3 123.8 185.8
 115 55.9 49.4 74.0

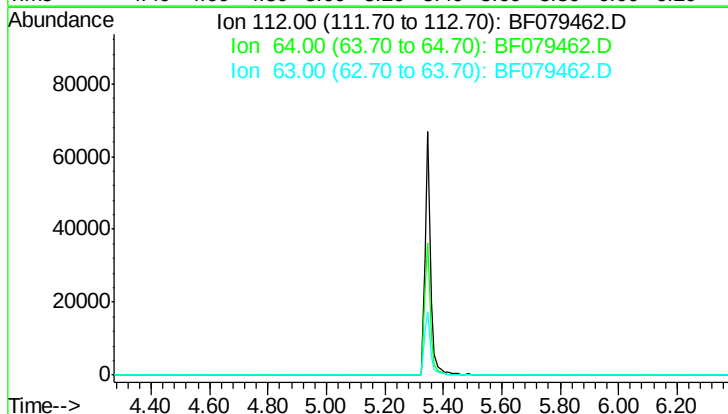


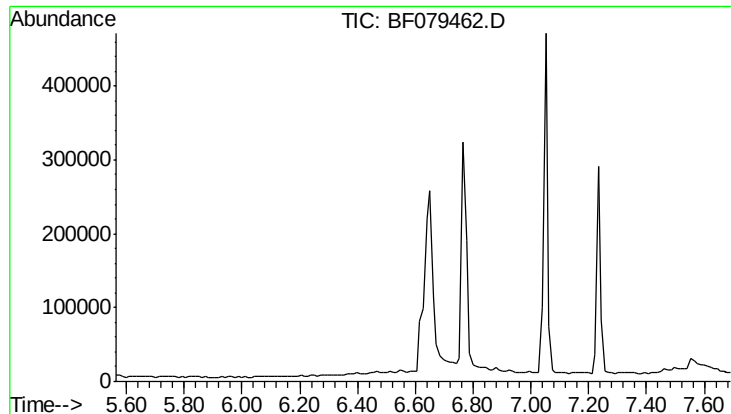
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 55.2
 63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.63 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

ClientSampleId :

SB-32S

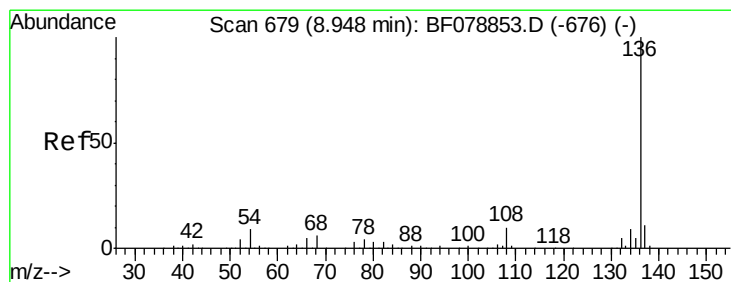
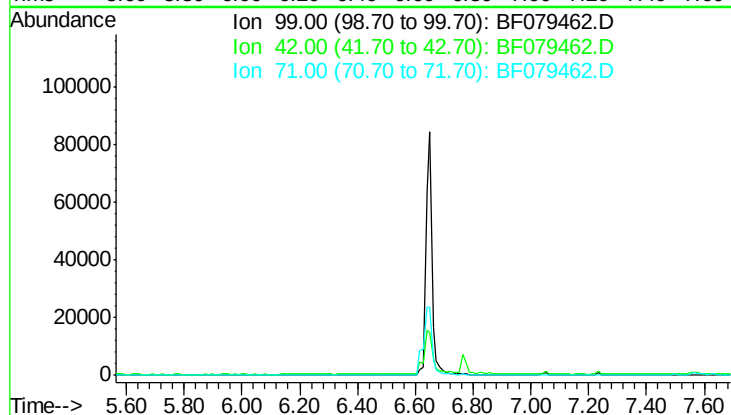
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Tgt Ion: 136 Resp: 297892

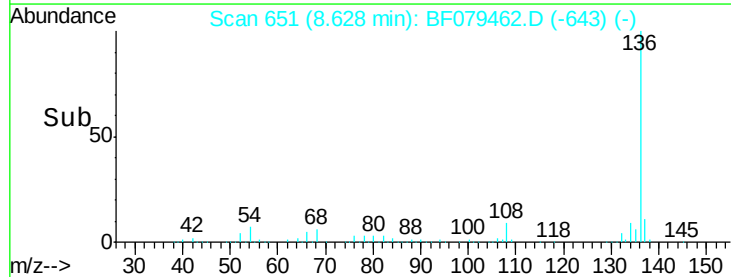
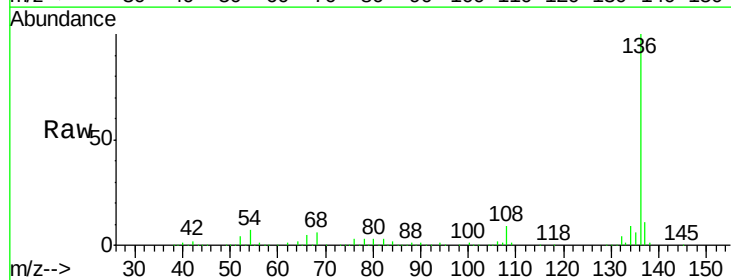
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.0 6.9 10.3

68 5.5 4.9 7.3

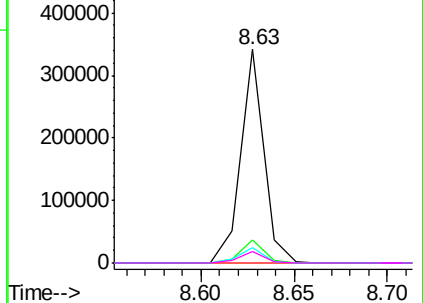


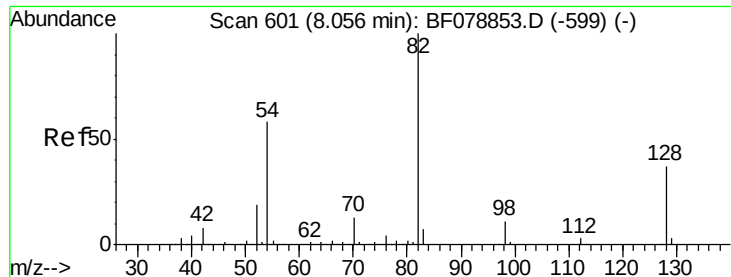
Abundance Ion 136.00 (135.70 to 136.70): E

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

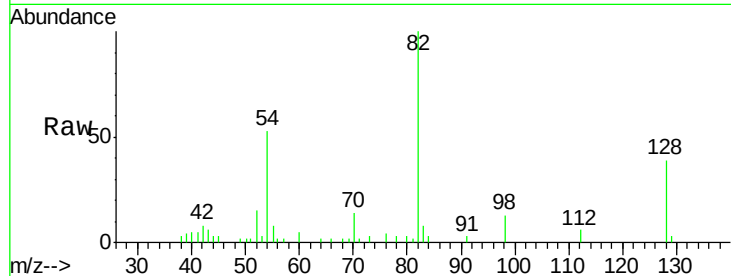




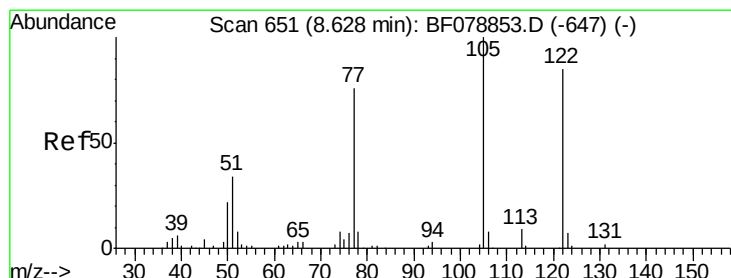
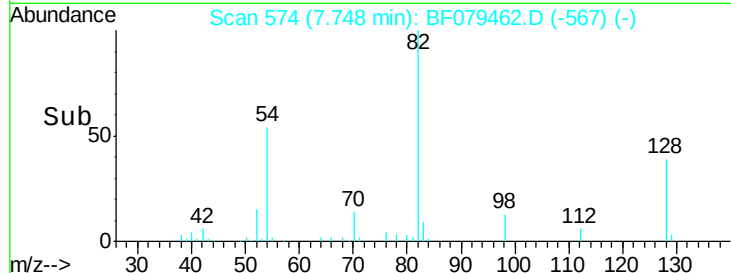
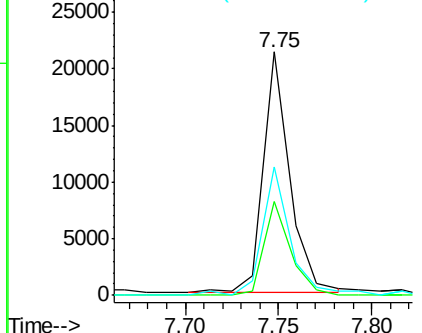
#23
 Nitrobenzene-d5
 Concen: 3.94 ng
 RT: 7.75 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tgt Ion: 82 Resp: 20440
 Ion Ratio Lower Upper
 82 100
 128 38.6 29.7 44.5
 54 52.7 46.2 69.4

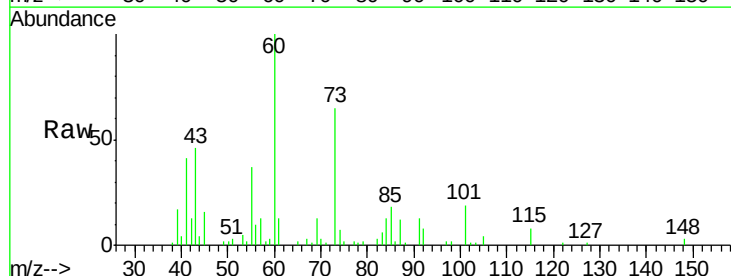


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

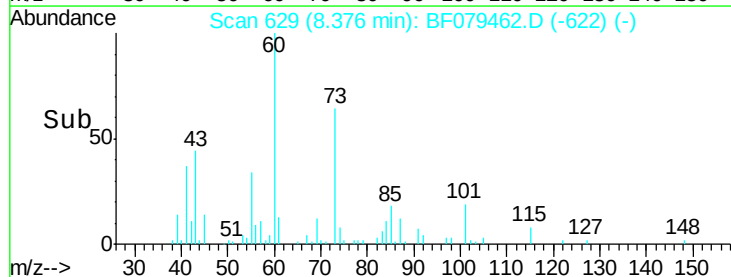
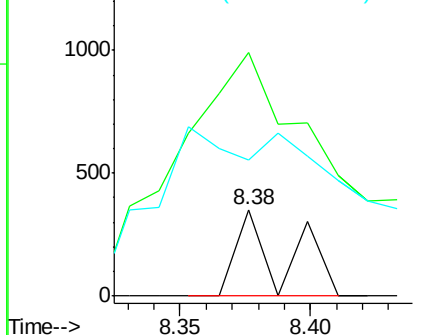


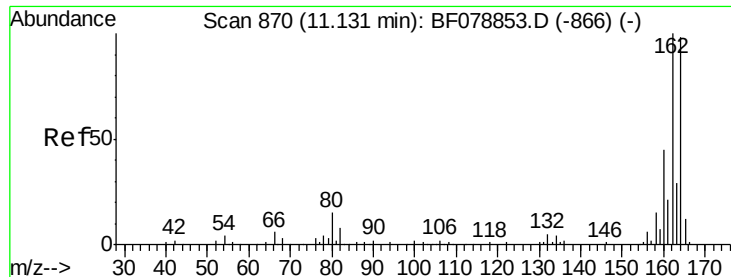
#32
 Benzoic acid
 Concen: 6.46 ng
 RT: 8.38 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion: 122 Resp: 451
 Ion Ratio Lower Upper
 122 100
 105 281.5 100.7 140.7#
 77 158.0 72.0 112.0#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

ClientSampleId :

SB-32S

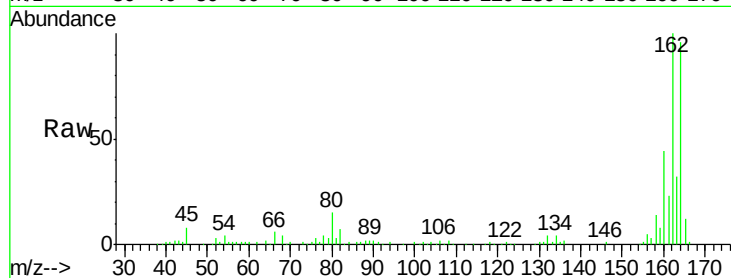
Tgt Ion:164 Resp: 138098

Ion Ratio Lower Upper

164 100

162 104.2 81.4 122.0

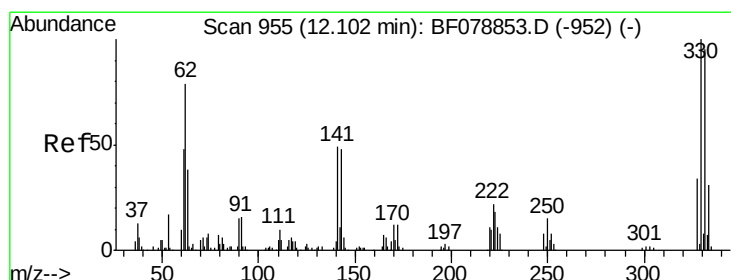
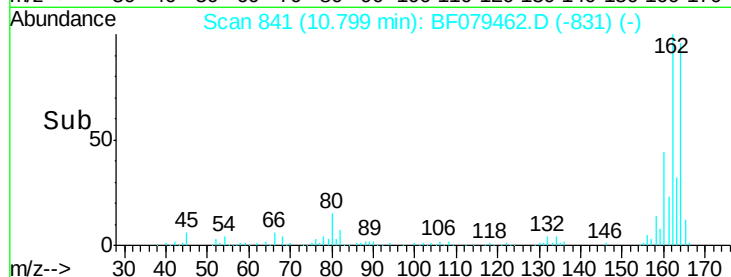
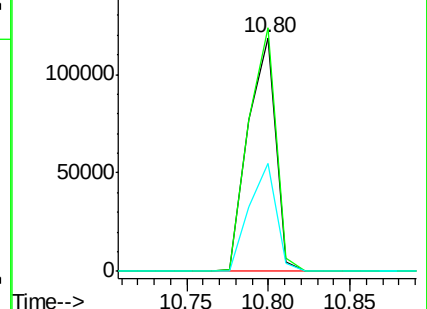
160 46.2 36.6 54.8



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: 5.66 ng

RT: 11.78 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

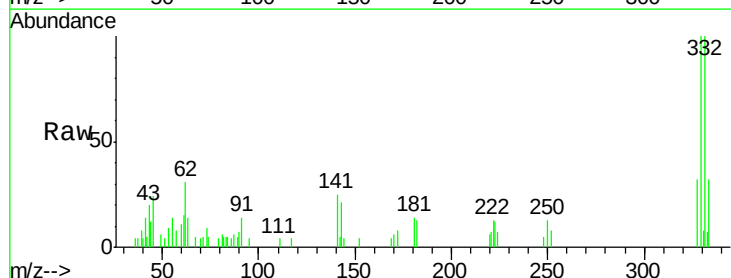
Tgt Ion:330 Resp: 8450

Ion Ratio Lower Upper

330 100

332 101.0 76.9 115.3

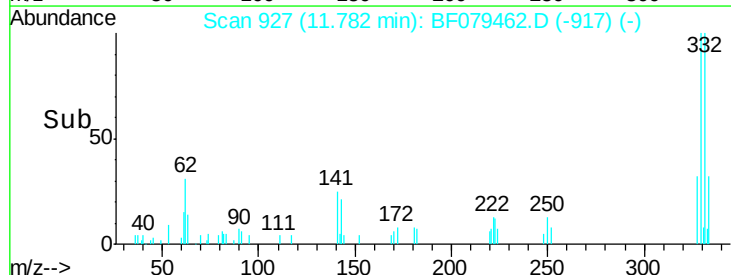
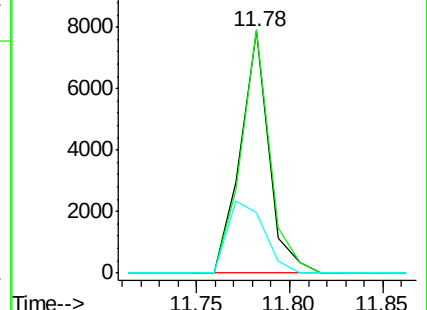
141 38.5 27.8 41.8

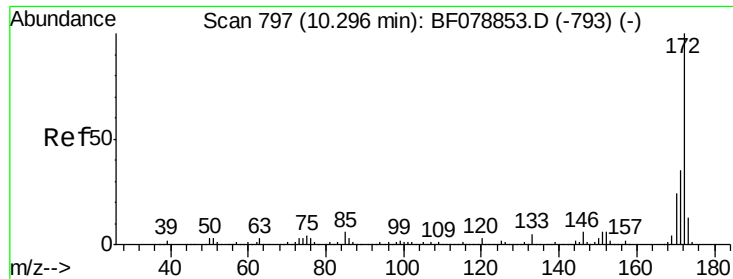


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

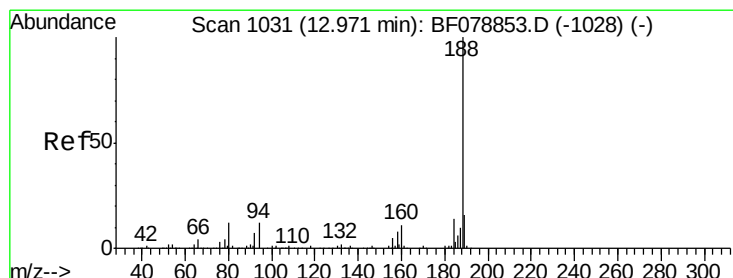
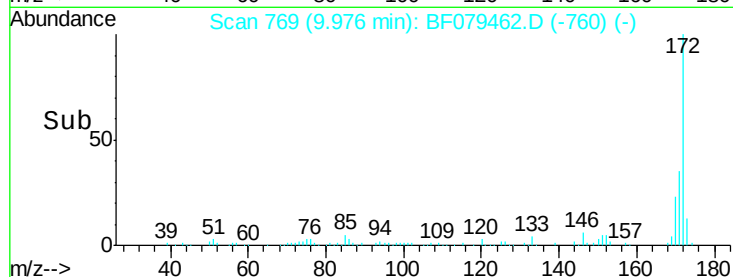
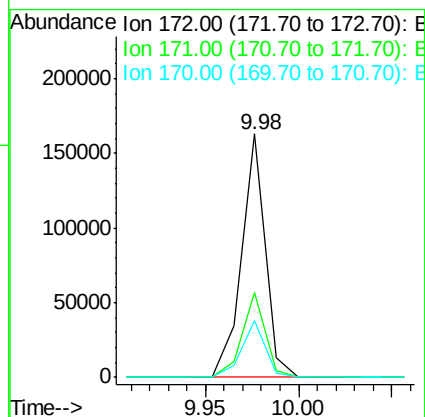
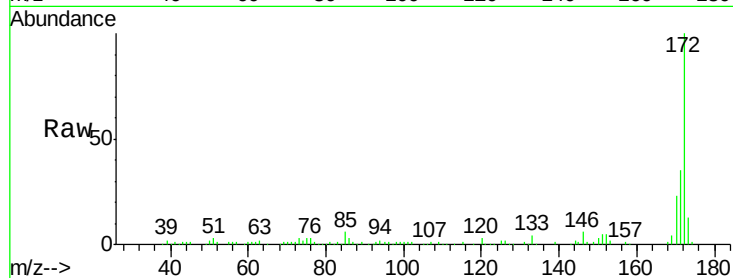




#44
 2-Fluorobiphenyl
 Concen: 14.59 ng
 RT: 9.98 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

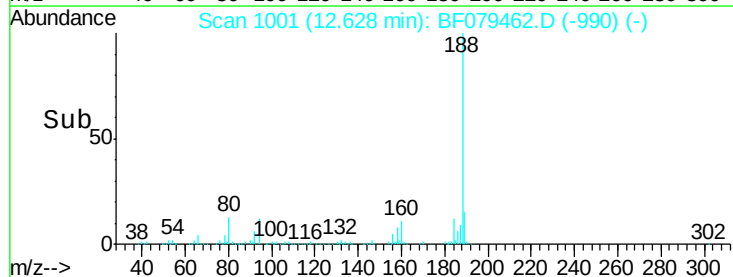
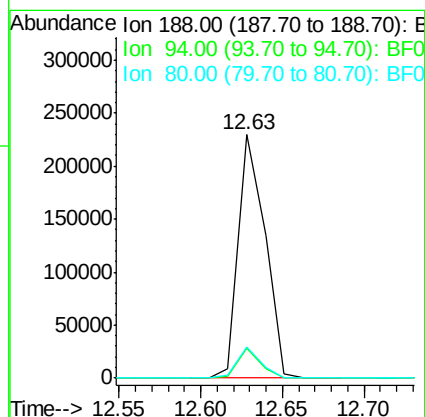
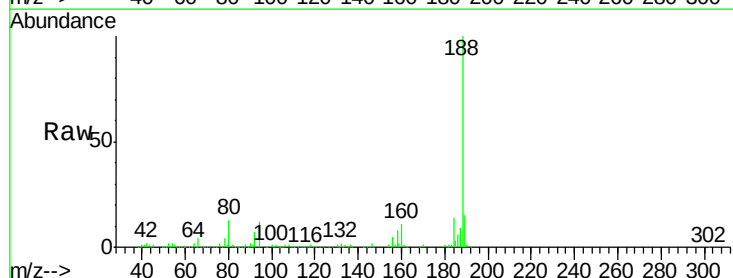
Instrument :
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 SB-32S

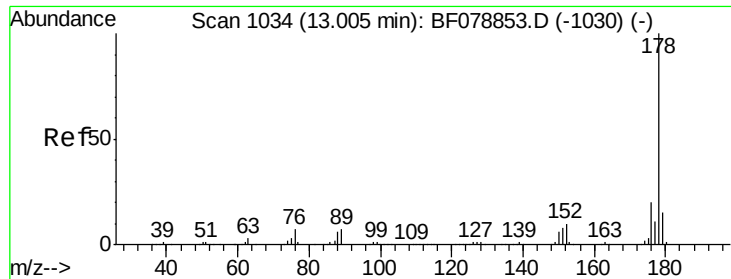
Tgt Ion:172 Resp: 144635
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 23.1 19.4 29.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion:188 Resp: 259751
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.4 14.0
 80 12.9 9.8 14.6

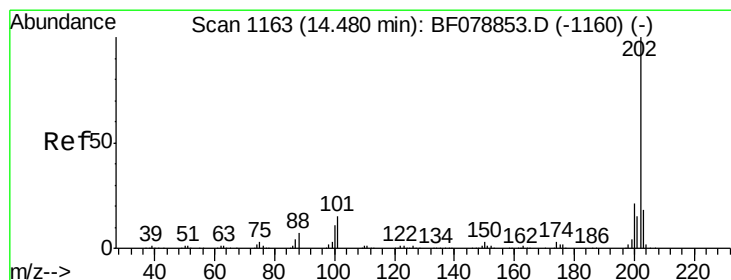
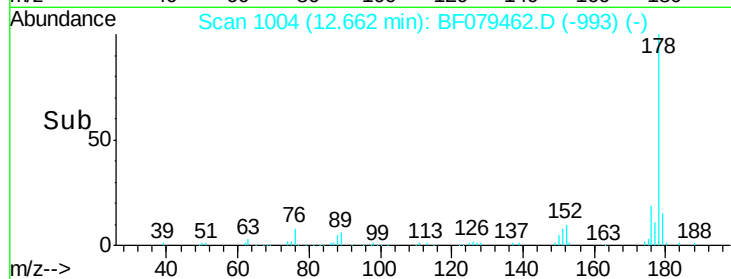
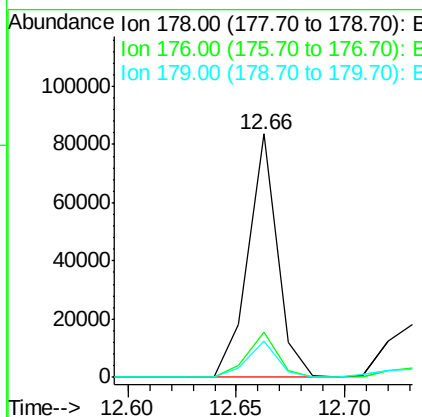
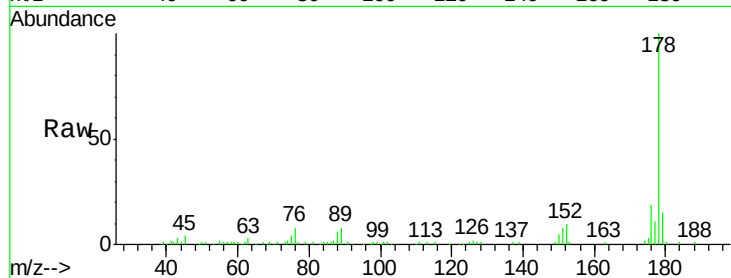




#70
Phenanthrene
Concen: 5.42 ng
RT: 12.66 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

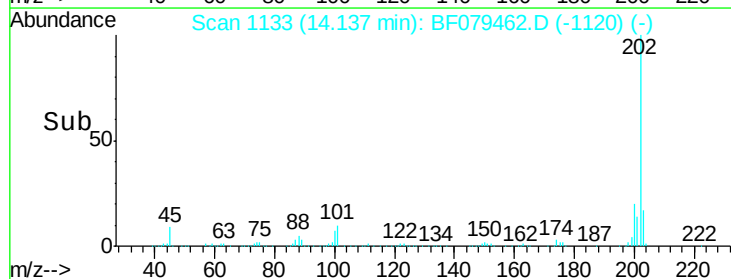
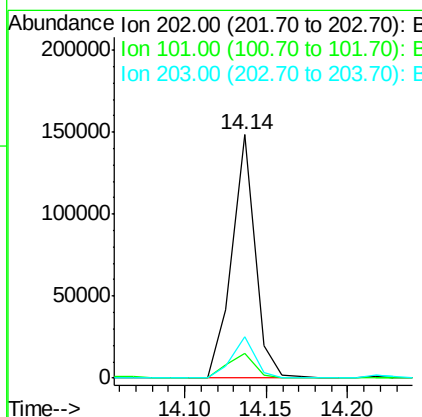
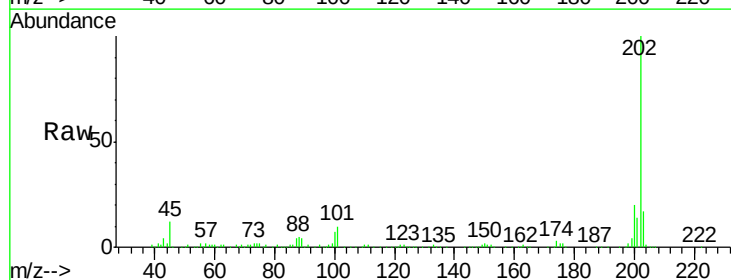
Instrument :
BNA_F
ClientSampled :
SB-32S

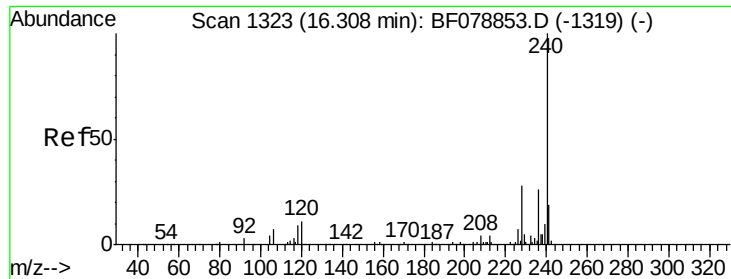
Tgt Ion:178 Resp: 78715
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 14.7 12.2 18.4



#74
Fluoranthene
Concen: 9.65 ng
RT: 14.14 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Tgt Ion:202 Resp: 146078
Ion Ratio Lower Upper
202 100
101 10.4 0.0 34.7
203 17.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

ClientSampleId :

SB-32S

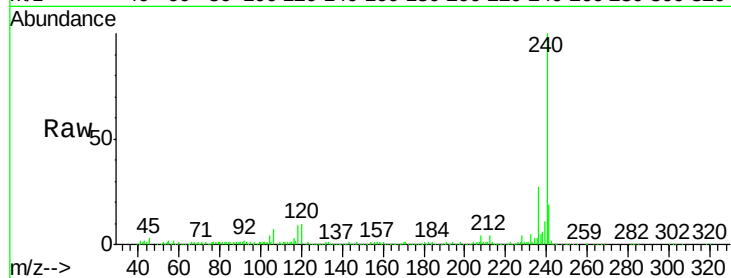
Tgt Ion:240 Resp: 260652

Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

236 26.8 21.0 31.6



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

15.92

250000

200000

150000

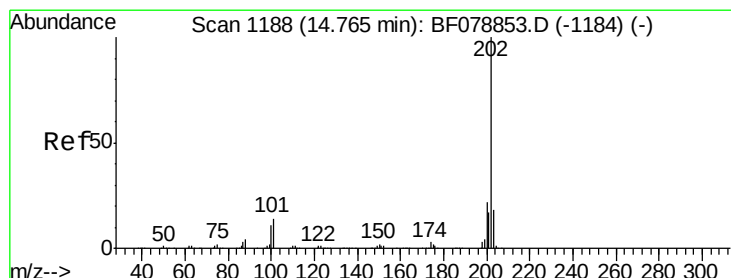
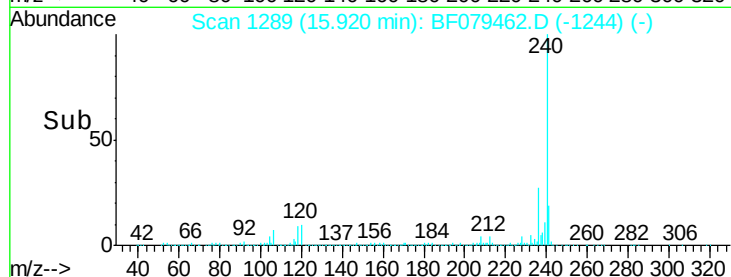
100000

50000

0

15.80 15.90 16.00

Time-->



#77

Pyrene

Concen: 9.26 ng

RT: 14.41 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

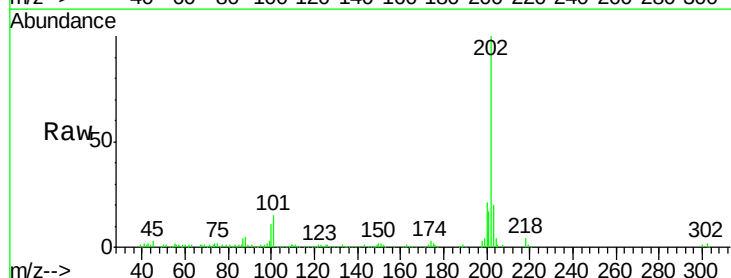
Tgt Ion:202 Resp: 139083

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

203 20.4 14.7 22.1



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

14.41

150000

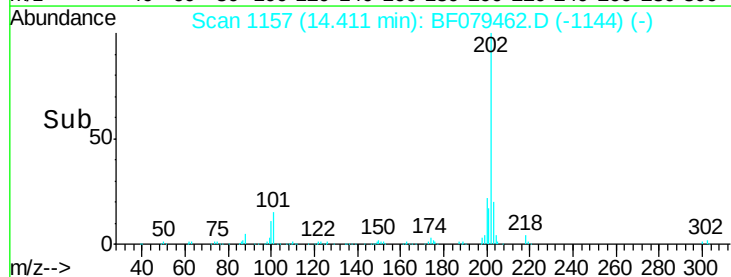
100000

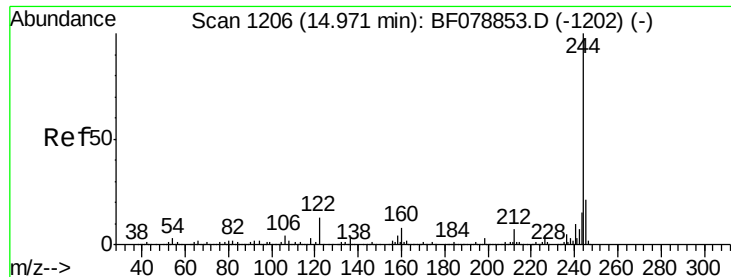
50000

0

14.40 14.50

Time-->





#78

Terphenyl-d14

Concen: 14.67 ng

RT: 14.63 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

ClientSampleId :

SB-32S

Tgt Ion:244 Resp: 159679

Ion Ratio Lower Upper

244 100

212 6.3

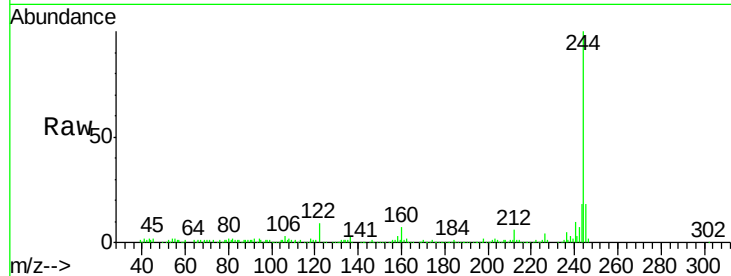
122 9.0

5.6

10.5

8.4

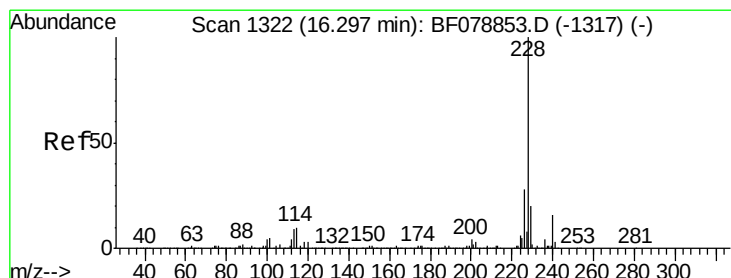
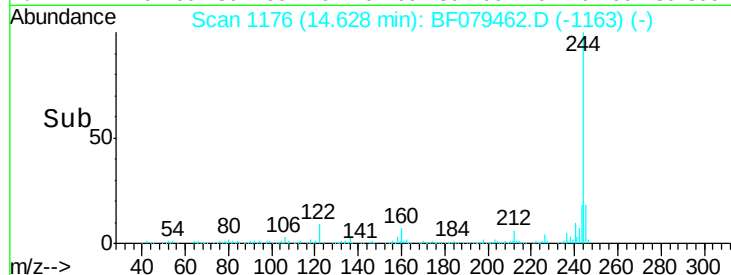
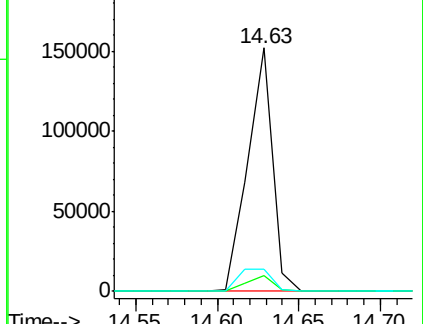
15.7#



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: 5.62 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Tgt Ion:228 Resp: 80180

Ion Ratio Lower Upper

228 100

226 29.6

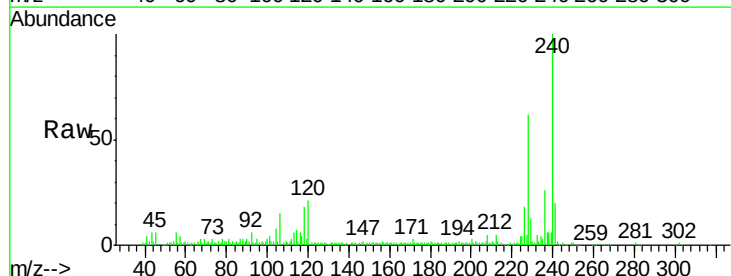
229 20.8

22.3

16.1

33.5

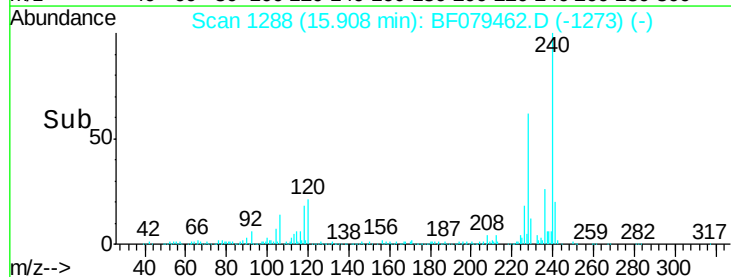
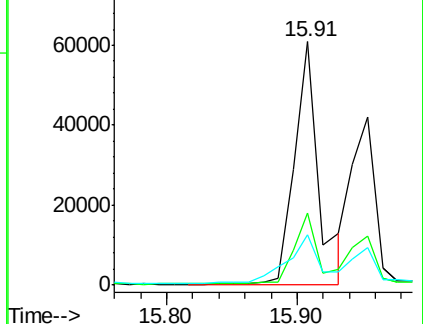
24.1

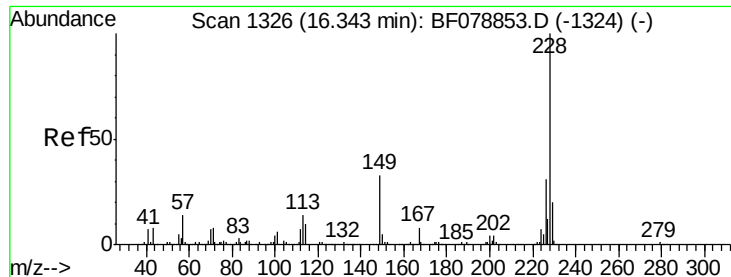


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.87 ng

RT: 15.95 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

ClientSampled :

SB-32S

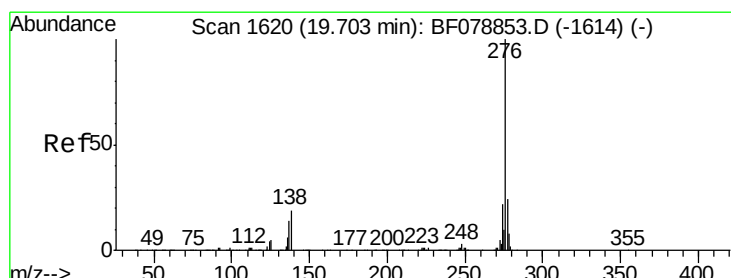
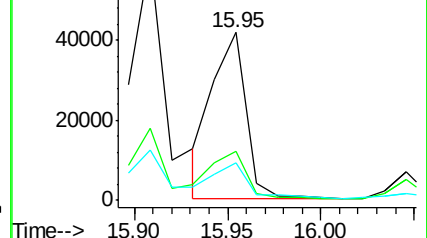
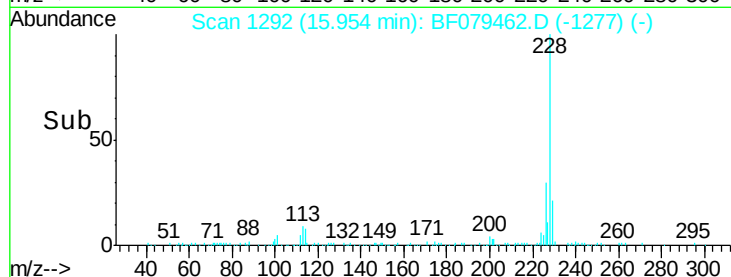
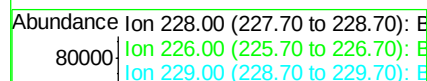
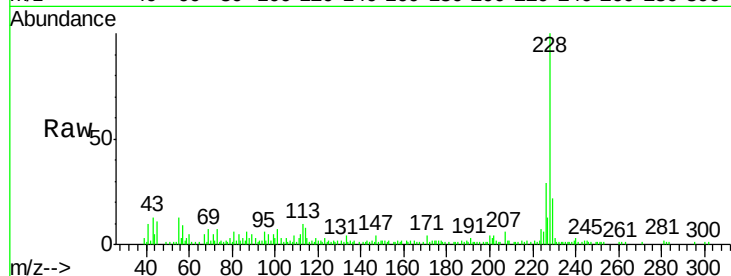
Tgt Ion: 228 Resp: 53124

Ion Ratio Lower Upper

228 100

226 29.4 24.8 37.2

229 22.2 16.1 24.1



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.38 ng

RT: 19.03 min Scan# 1561

Delta R.T. 0.09 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

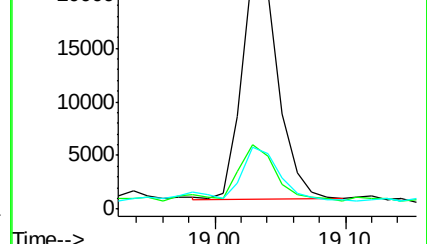
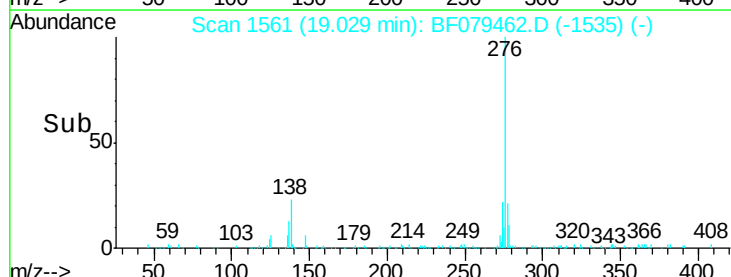
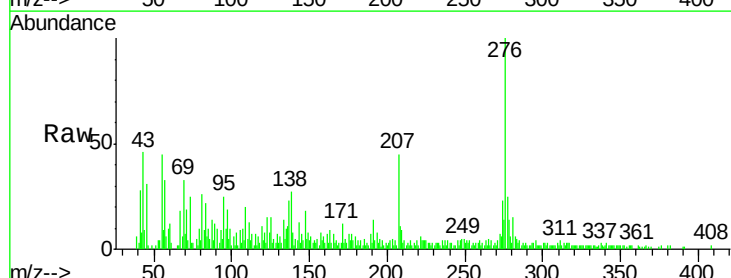
Tgt Ion: 276 Resp: 41569

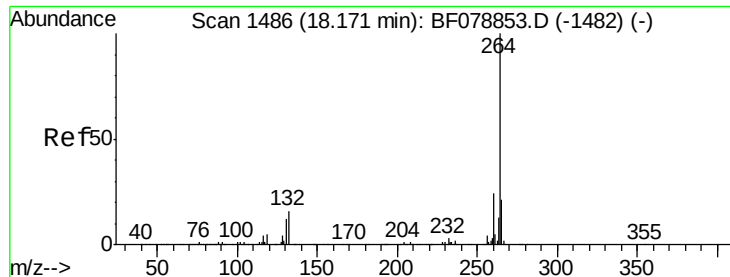
Ion Ratio Lower Upper

276 100

138 27.7 21.1 31.7

277 24.0 19.9 29.9

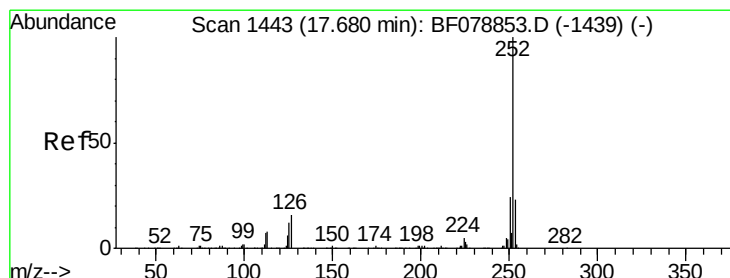
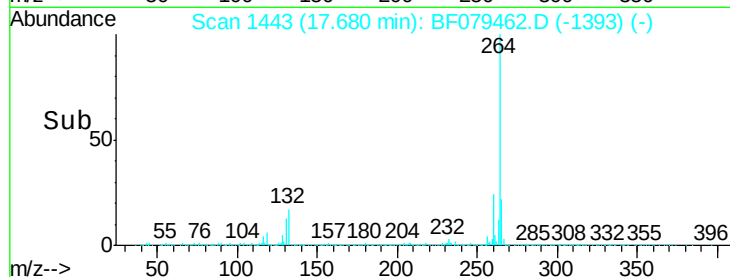
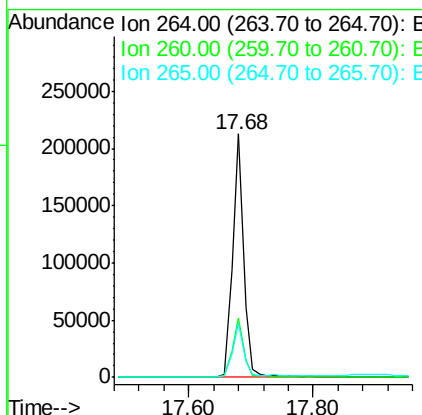
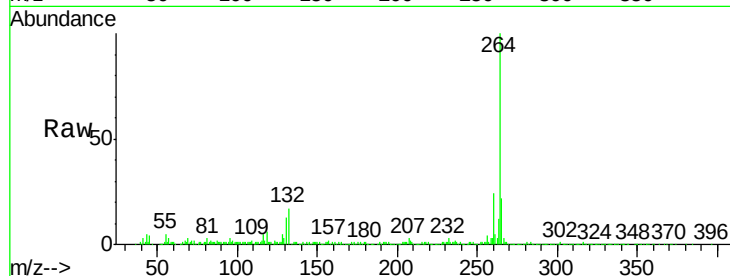




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.68 min Scan# 1443
Delta R.T. 0.07 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

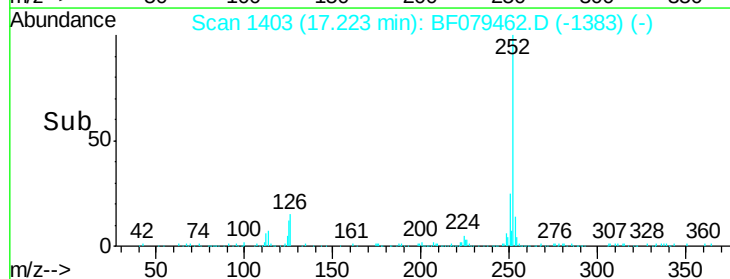
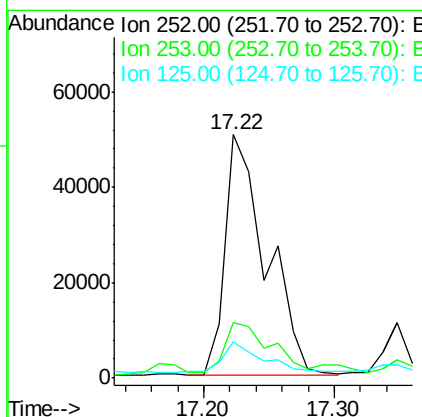
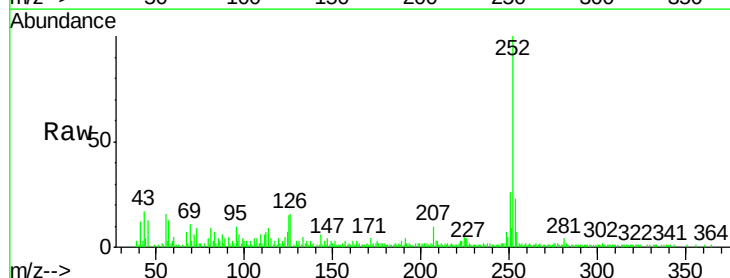
Instrument :
BNA_F
ClientSampled :
SB-32S

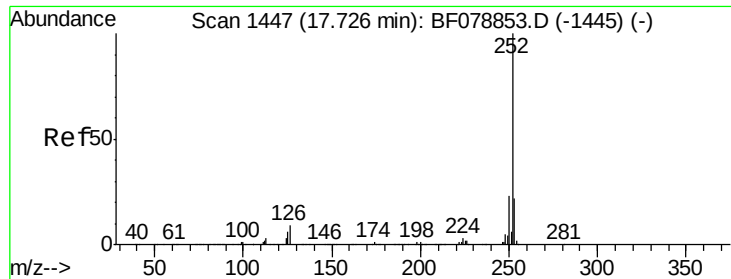
Tgt Ion: 264 Resp: 264129
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.70 ng
RT: 17.22 min Scan# 1403
Delta R.T. 0.05 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Tgt Ion: 252 Resp: 111388
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 14.8 9.4 14.2#

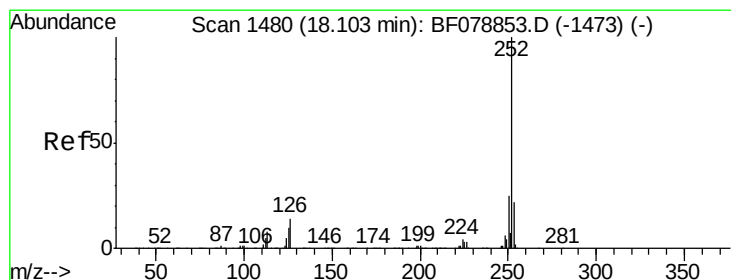
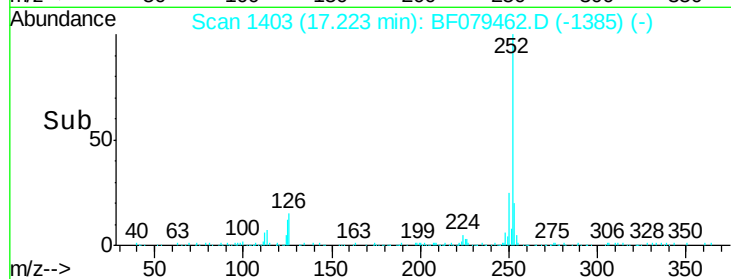
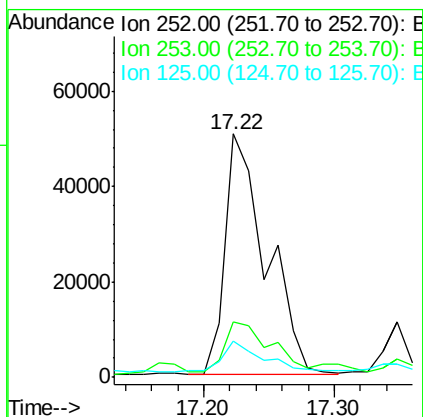
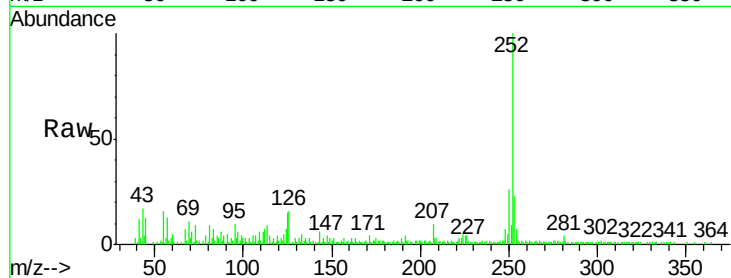




#88
Benzo(k)fluoranthene
Concen: 7.96 ng
RT: 17.22 min Scan# 1403
Delta R.T. 0.02 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

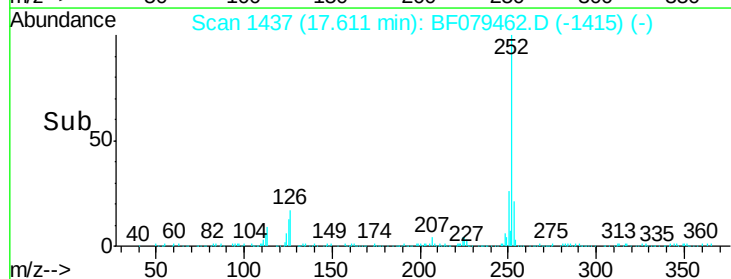
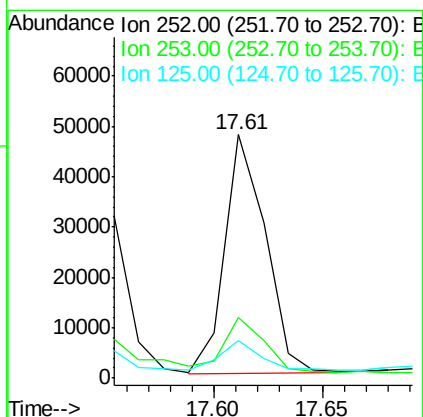
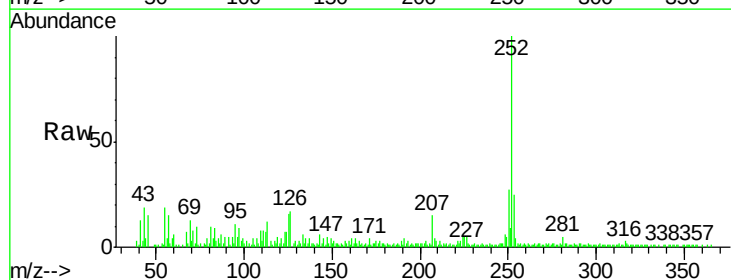
Instrument :
BNA_F
ClientSampleId :
SB-32S

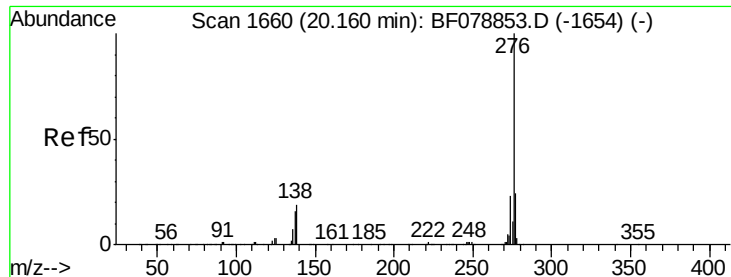
Tgt Ion:252 Resp: 111388
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 14.8 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 4.66 ng
RT: 17.61 min Scan# 1437
Delta R.T. 0.07 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Tgt Ion:252 Resp: 62064
Ion Ratio Lower Upper
252 100
253 24.8 18.0 27.0
125 15.5 8.2 12.2#





#91

Benzo(g,h,i)perylene

Concen: 3.19 ng

RT: 19.43 min Scan# 1596

Delta R.T. 0.10 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

ClientSampleId :

SB-32S

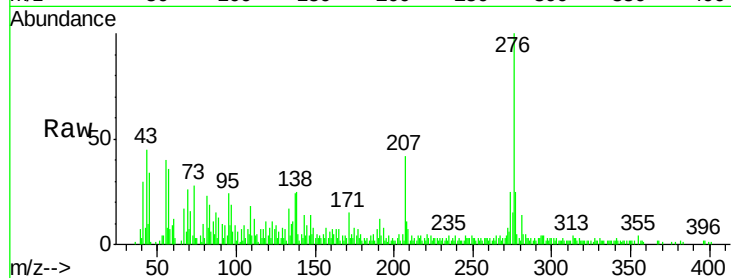
Tgt Ion: 276 Resp: 45263

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 24.9 15.2 22.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

