

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079332.D
 Acq On : 19 May 2015 4:55
 Operator : TP/IZ
 Sample : G2283-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-D1

Quant Time: May 19 05:36:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

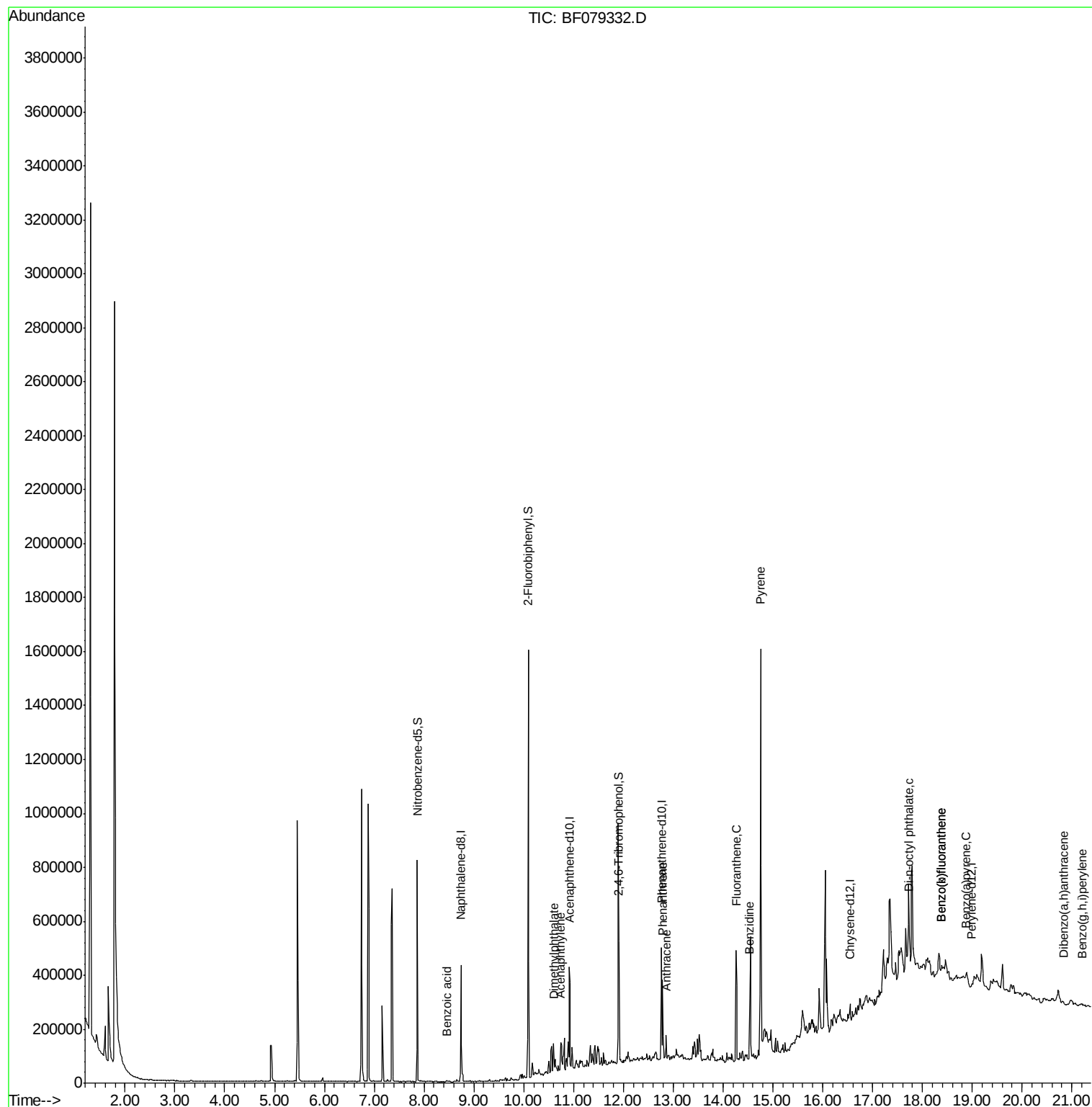
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.74	136	197328	20.00	ng	-0.06
38) Acenaphthene-d10	10.91	164	103317	20.00	ng	-0.06
63) Phenanthrene-d10	12.77	188	196319	20.00	ng	-0.06
75) Chrysene-d12	16.55	240	6936	20.00	ng	0.05
86) Perylene-d12	18.99	264	262	20.00	ng	0.11
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	7.86	82	245497	71.50	ng	-0.06
41) 2,4,6-Tribromophenol	11.91	330	132009	118.11	ng	-0.05
44) 2-Fluorobiphenyl	10.09	172	503054	67.84	ng	-0.06
78) Terphenyl-d14	15.06	244	269	0.93	ng	0.14
Target Compounds						
32) Benzoic acid	8.46	122	216	6.42	ng	Qvalue # 45
48) Acenaphthylene	10.74	152	29928	2.85	ng	98
49) Dimethylphthalate	10.61	163	62440	8.23	ng	# 97
70) Phenanthrene	12.79	178	116415	10.60	ng	100
71) Anthracene	12.86	178	39720	3.69	ng	99
74) Fluoranthene	14.26	202	217322	18.99	ng	100
76) Benzidine	14.54	184	674	3.61	ng	# 1
77) Pyrene	14.75	202	4324	10.82	ng	# 1
84) Di-n-octyl phthalate	17.74	149	9068	19.46	ng	# 80
87) Benzo(b)fluoranthene	18.38	252	1143	79.70	ng	# 1
88) Benzo(k)fluoranthene	18.38	252	1007	72.54	ng	# 1
89) Benzo(a)pyrene	18.88	252	2307	174.71	ng	# 1
90) Dibenzo(a,h)anthracene	20.83	278	198	14.11	ng	# 1
91) Benzo(g,h,i)perylene	21.21	276	859	61.07	ng	# 1

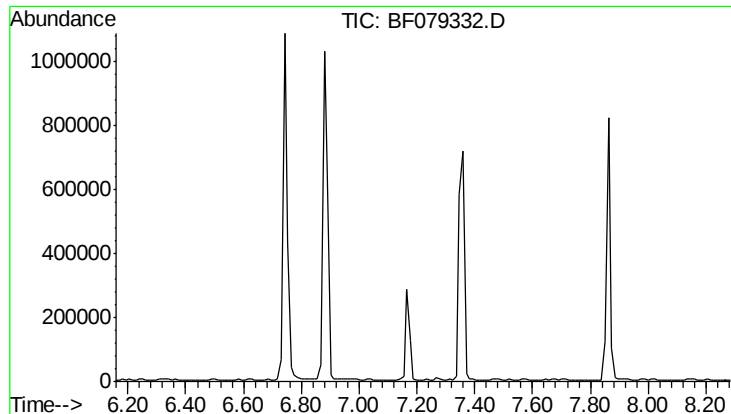
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
Data File : BF079332.D
Acq On : 19 May 2015 4:55
Operator : TP/IZ
Sample : G2283-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-02-D1

Quant Time: May 19 05:36:46 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 01:57:52 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

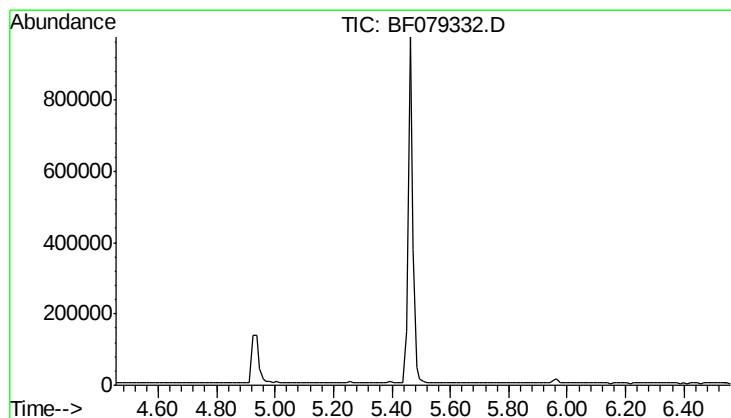
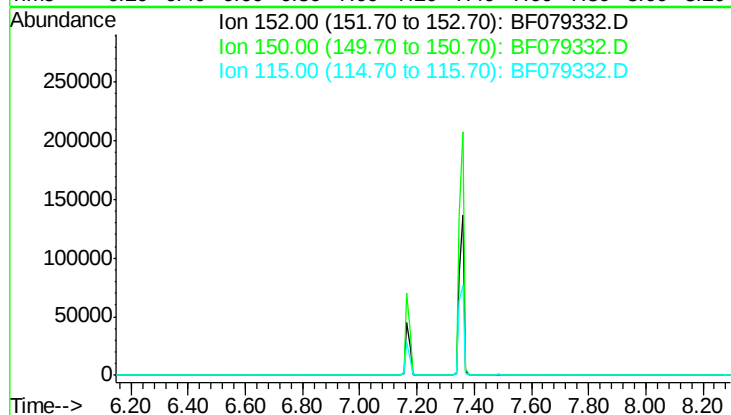
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.51 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

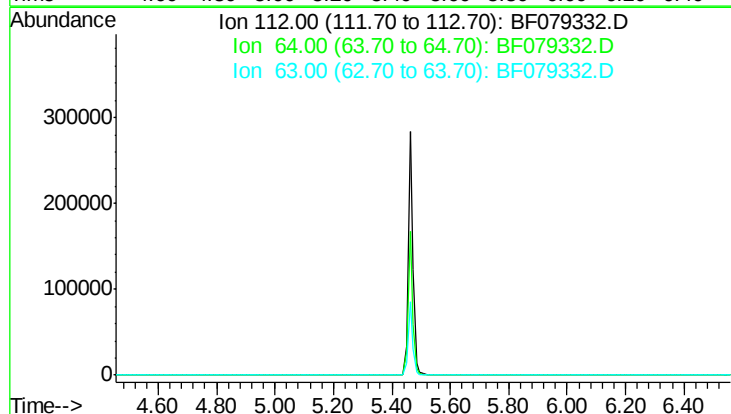
Tgt Ion: 112

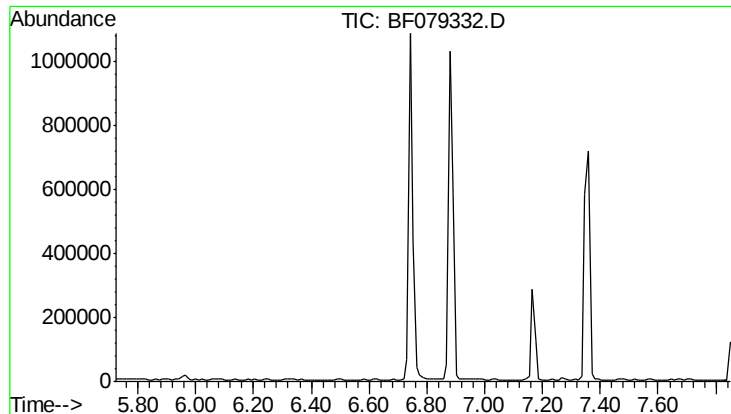
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

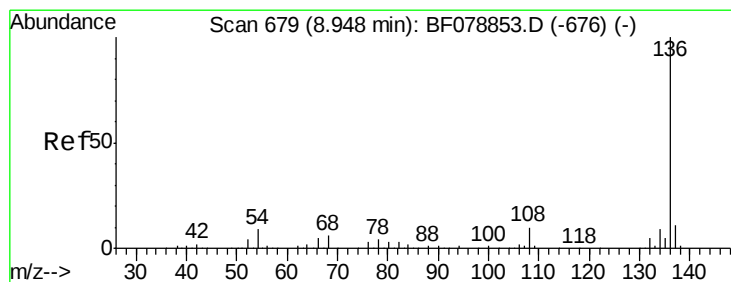
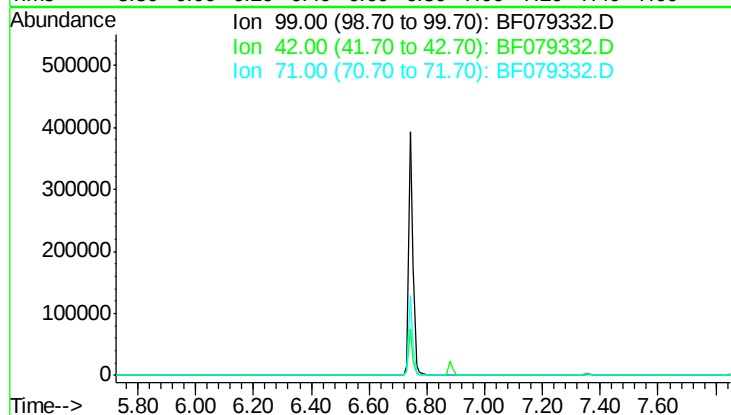
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Tgt Ion:136 Resp: 197328

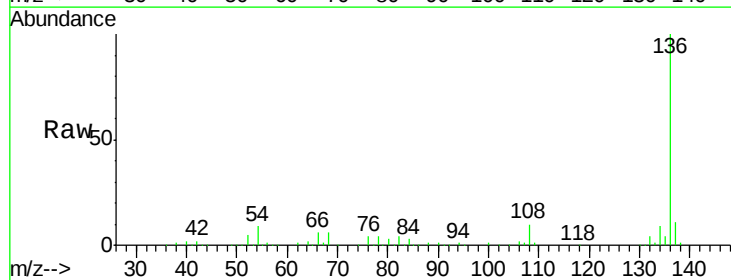
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 8.7 6.9 10.3

68 6.2 4.9 7.3

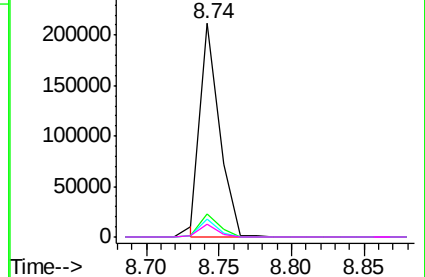
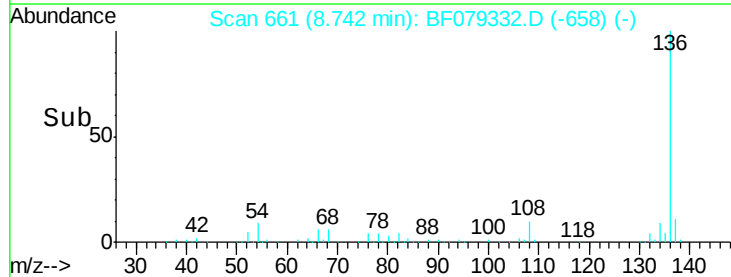


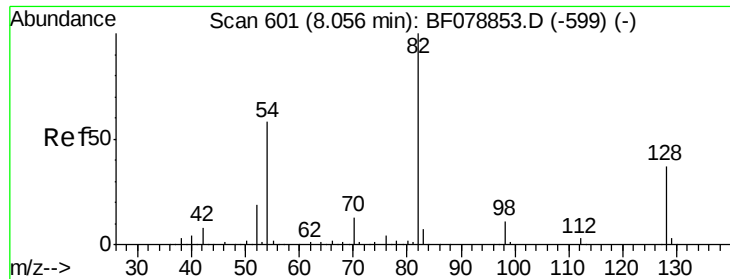
Abundance Ion 136.00 (135.70 to 136.70): E

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

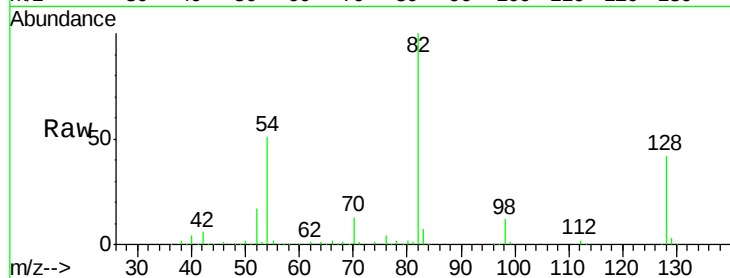




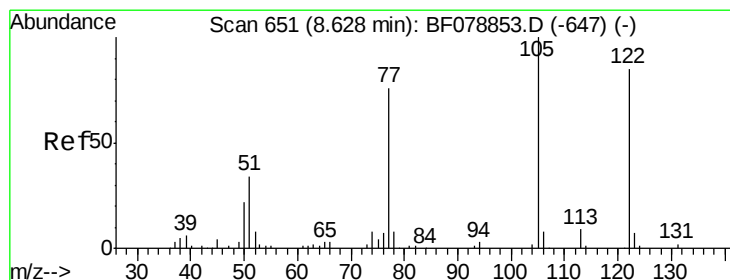
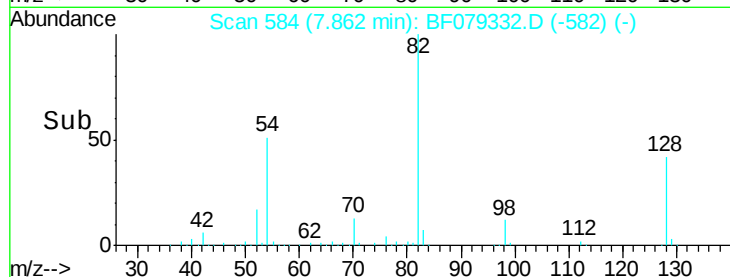
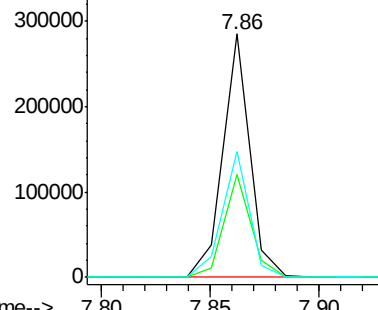
#23
 Nitrobenzene-d5
 Concen: 71.50 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.06 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-D1

Tgt Ion: 82 Resp: 245497
 Ion Ratio Lower Upper
 82 100
 128 42.3 29.7 44.5
 54 51.4 46.2 69.4

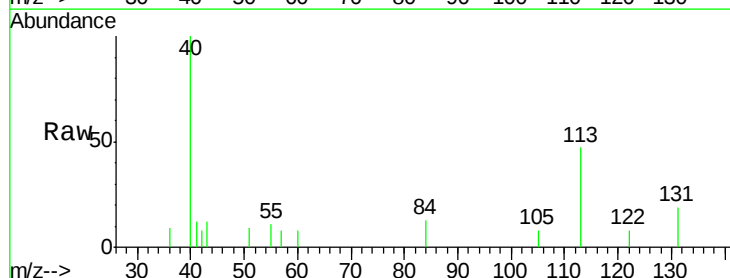


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

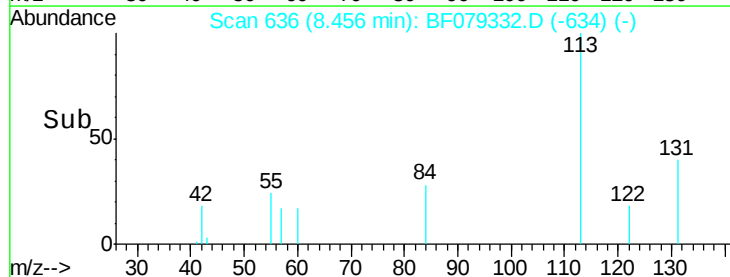
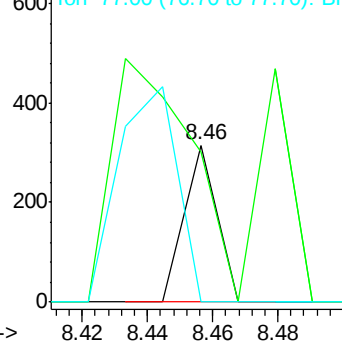


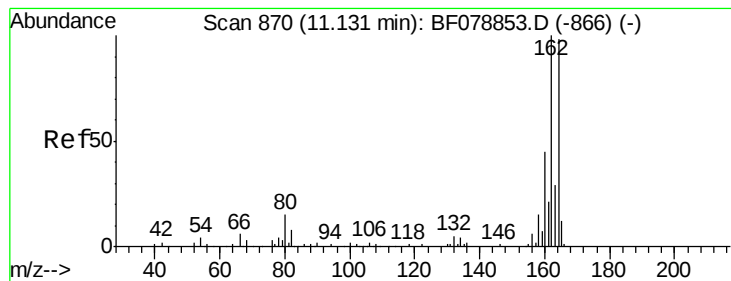
#32
 Benzoic acid
 Concen: 6.42 ng
 RT: 8.46 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Tgt Ion: 122 Resp: 216
 Ion Ratio Lower Upper
 122 100
 105 95.6 100.7 140.7#
 77 0.0 72.0 112.0#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.91 min Scan# 851

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

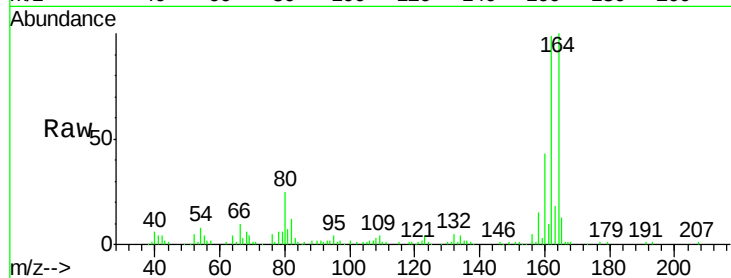
Tgt Ion:164 Resp: 103317

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.0

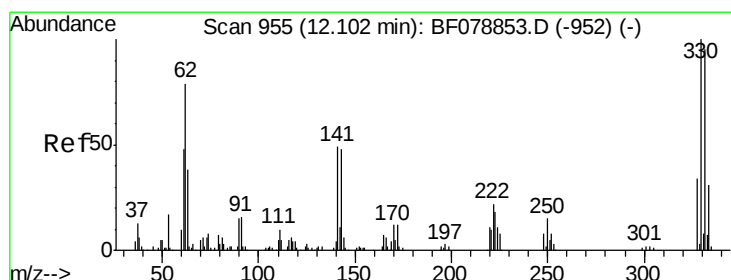
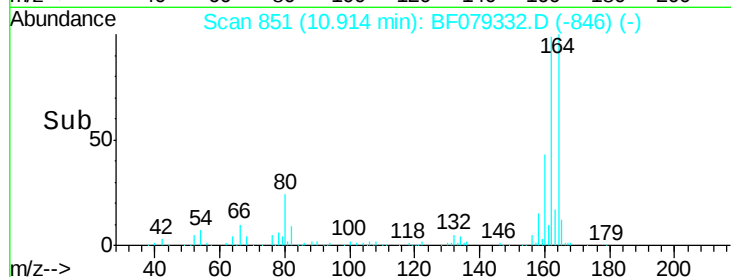
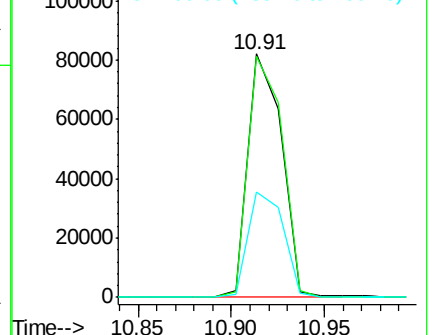
160 43.4 36.6 54.8



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: 118.11 ng

RT: 11.91 min Scan# 938

Delta R.T. -0.05 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

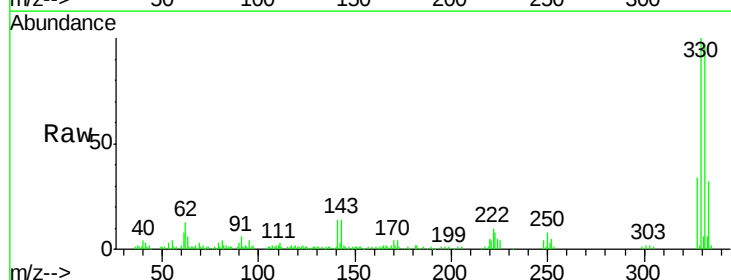
Tgt Ion:330 Resp: 132009

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

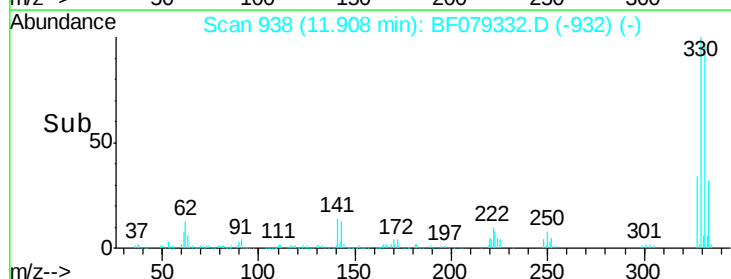
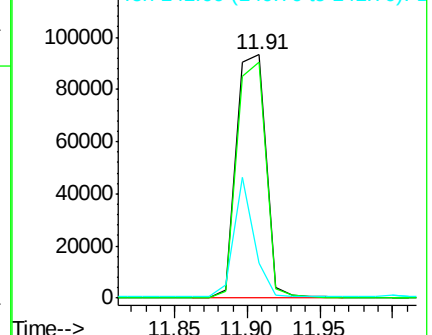
141 33.8 27.8 41.8

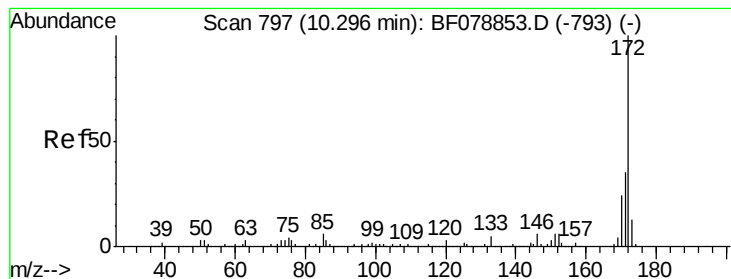


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 67.84 ng

RT: 10.09 min Scan# 779

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

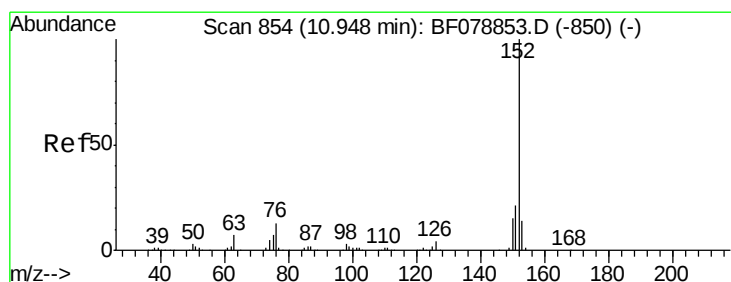
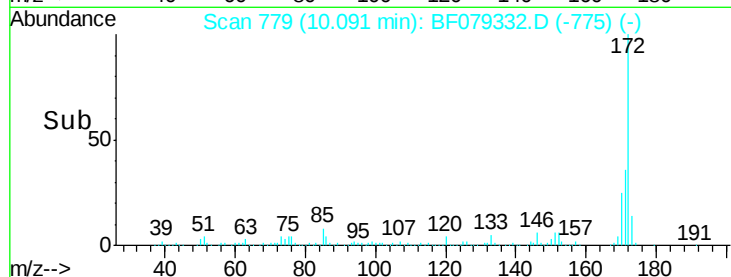
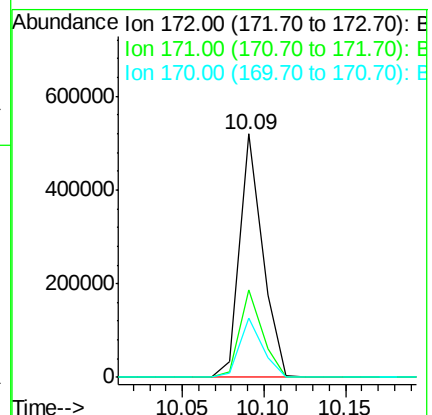
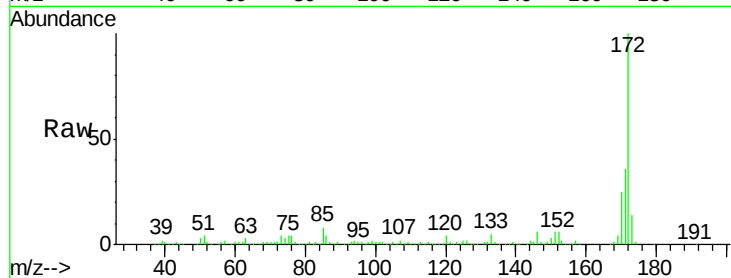
Tgt Ion:172 Resp: 503054

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 24.6 19.4 29.2



#48

Acenaphthylene

Concen: 2.85 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

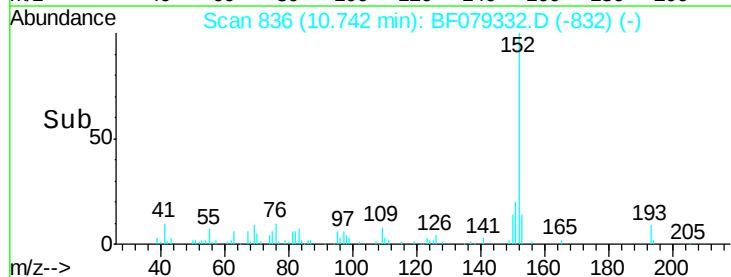
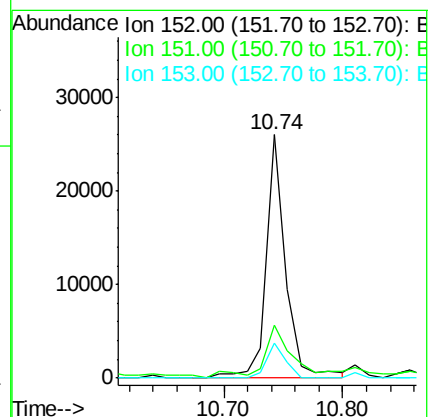
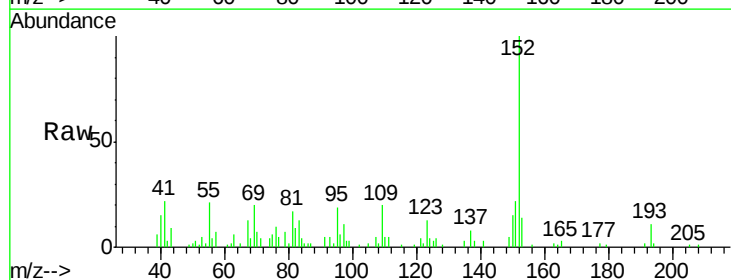
Tgt Ion:152 Resp: 29928

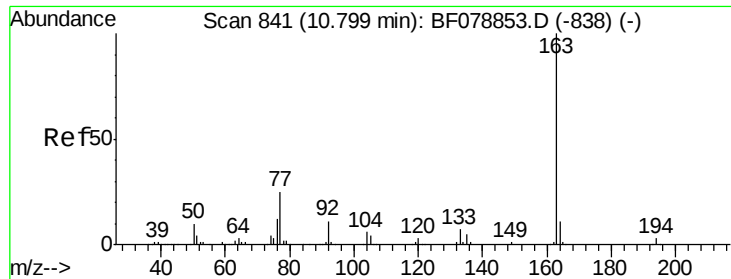
Ion Ratio Lower Upper

152 100

151 22.0 16.6 24.8

153 14.2 11.0 16.6





#49

Dimethylphthalate

Concen: 8.23 ng

RT: 10.61 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

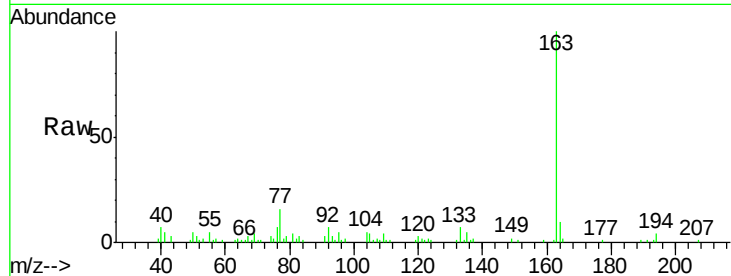
Tgt Ion:163 Resp: 62440

Ion Ratio Lower Upper

163 100

194 4.0 2.4 3.6#

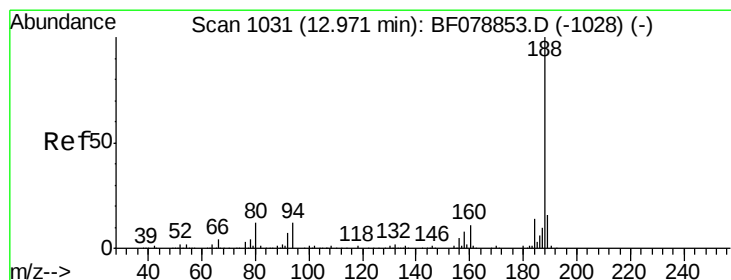
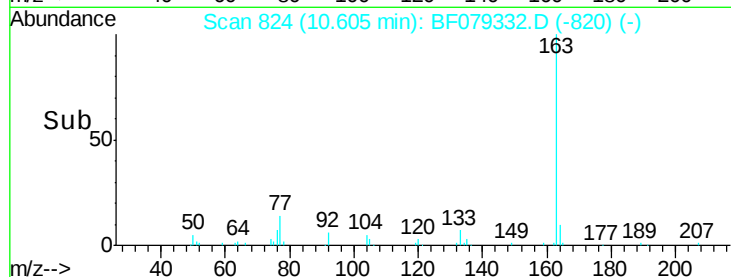
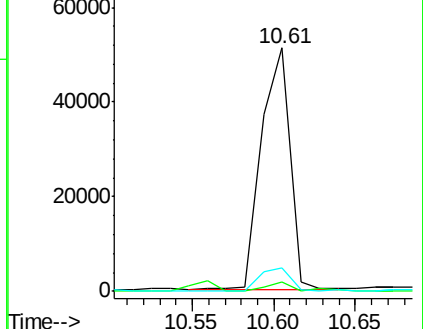
164 9.6 8.6 12.8



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: 12.77 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

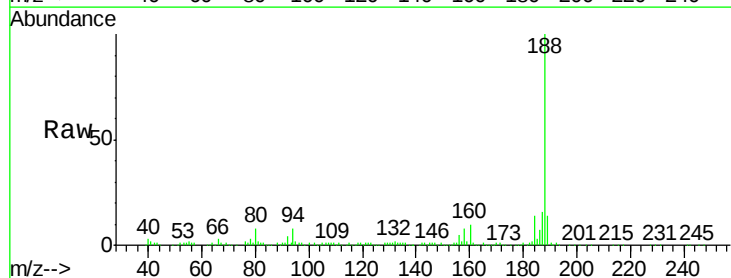
Tgt Ion:188 Resp: 196319

Ion Ratio Lower Upper

188 100

94 8.0 9.4 14.0#

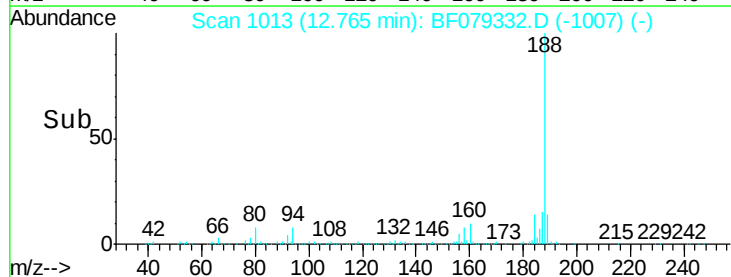
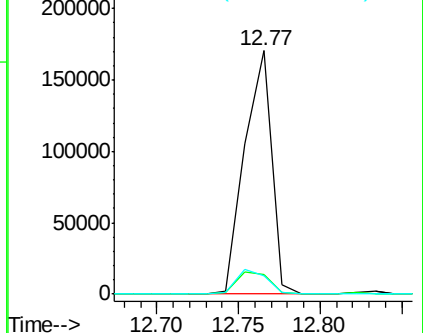
80 7.8 9.8 14.6#

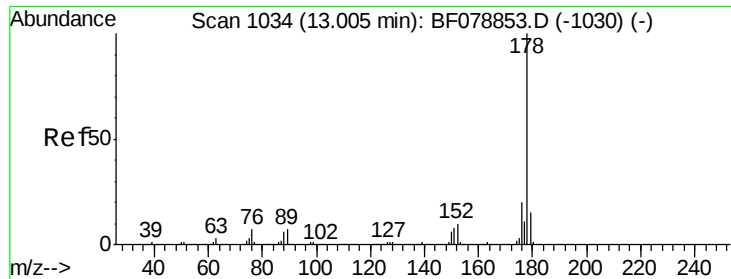


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.60 ng

RT: 12.79 min Scan# 1015

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

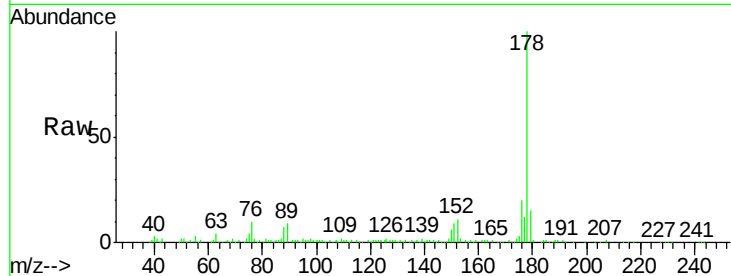
Tgt Ion:178 Resp: 116415

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

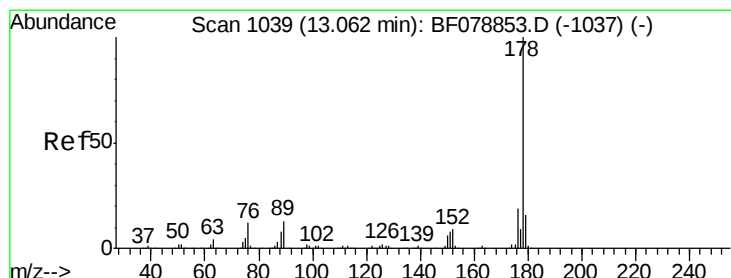
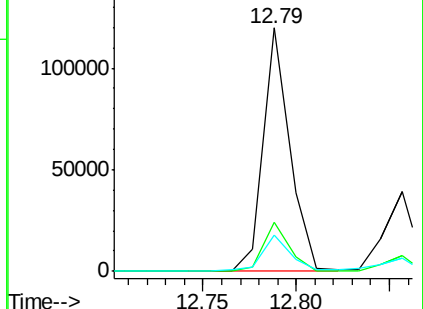
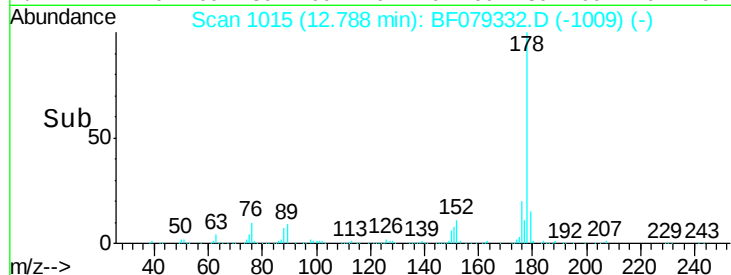
179 15.1 12.2 18.4



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



#71

Anthracene

Concen: 3.69 ng

RT: 12.86 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

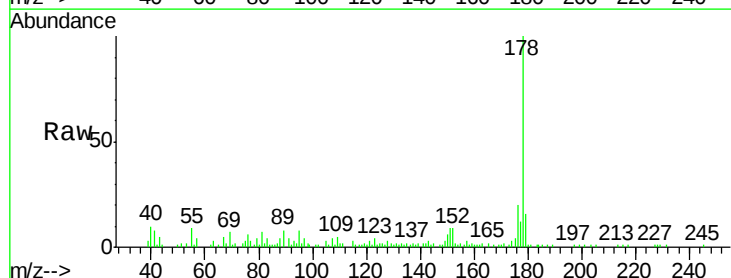
Tgt Ion:178 Resp: 39720

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

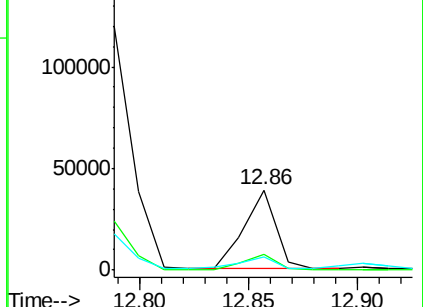
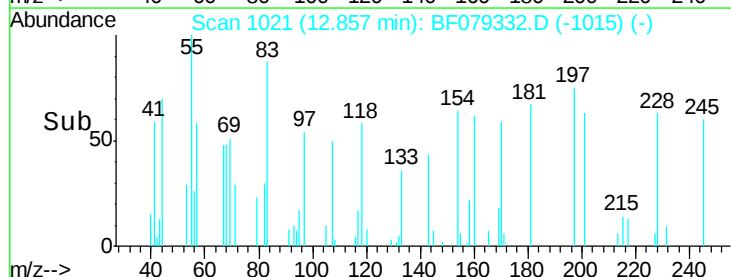
179 15.8 12.6 19.0

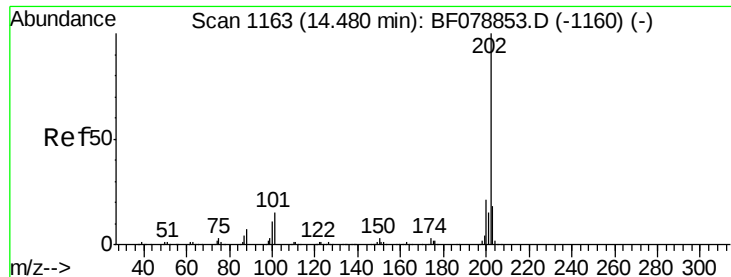


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

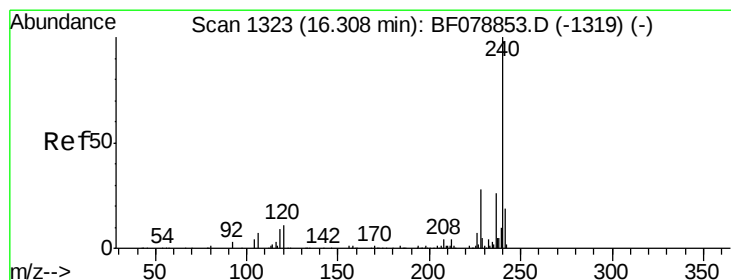
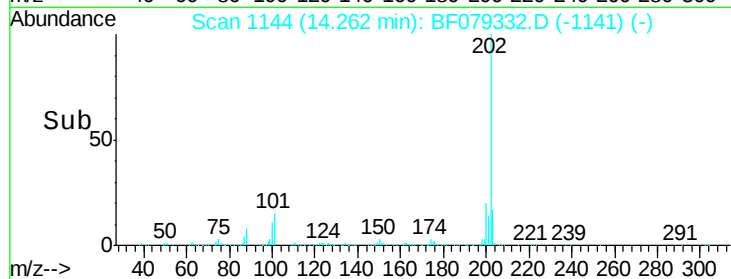
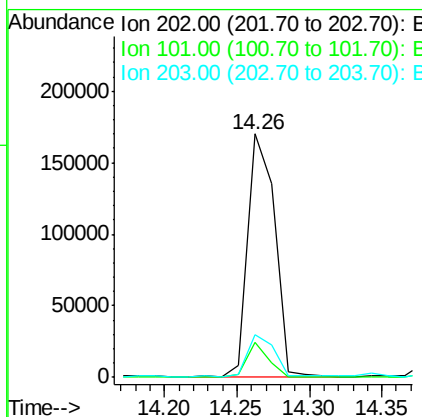
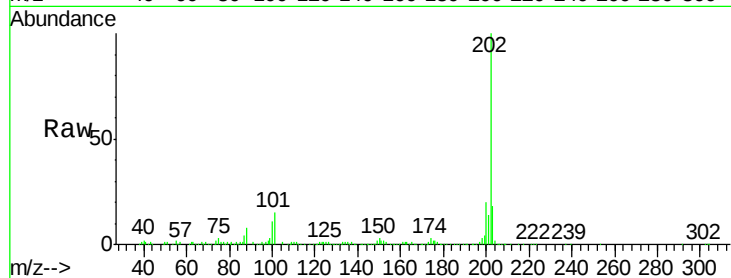




#74
 Fluoranthene
 Concen: 18.99 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.11 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

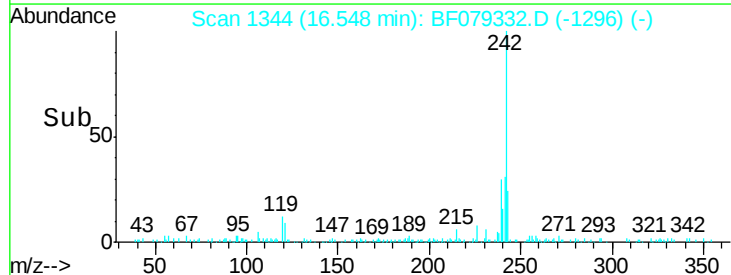
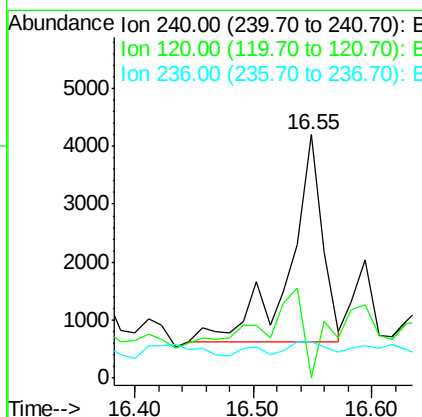
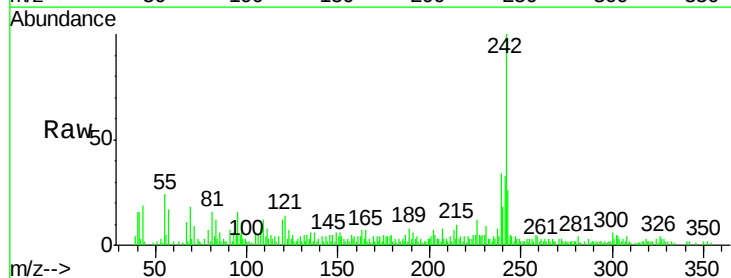
Instrument :
 BNA_F
 ClientSampleId :
 WC-02-D1

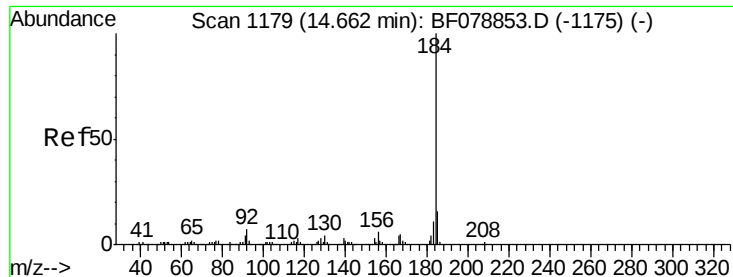
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.7
203	17.8	0.0	37.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.55 min Scan# 1344
 Delta R.T. 0.05 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.0	8.6	12.8#
236	15.0	21.0	31.6#





#76

Benzidine

Concen: 3.61 ng

RT: 14.54 min Scan# 1168

Delta R.T. -0.05 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

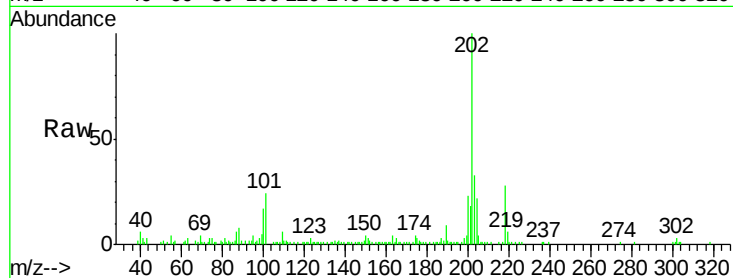
Tgt Ion:184 Resp: 674

Ion Ratio Lower Upper

184 100

185 137.3 12.8 19.2#

183 113.4 9.0 13.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

600

400

200

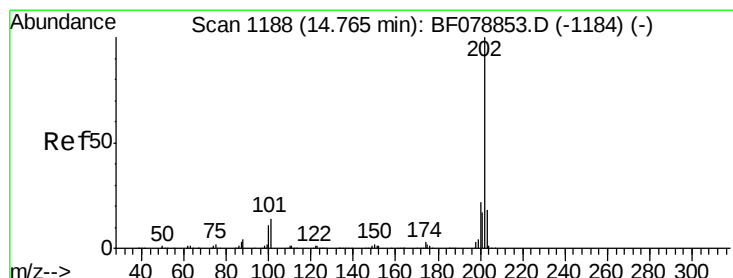
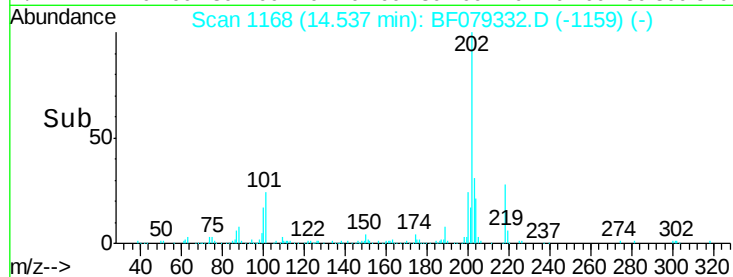
0

14.54

14.55

14.60

Time-->



#77

Pyrene

Concen: 10.82 ng

RT: 14.75 min Scan# 1187

Delta R.T. 0.07 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

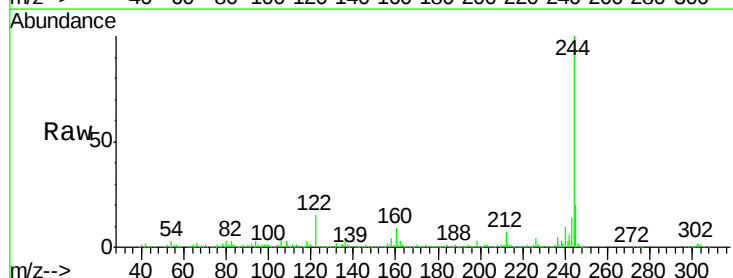
Tgt Ion:202 Resp: 4324

Ion Ratio Lower Upper

202 100

200 36.2 17.5 26.3#

203 149.3 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

10000

8000

6000

4000

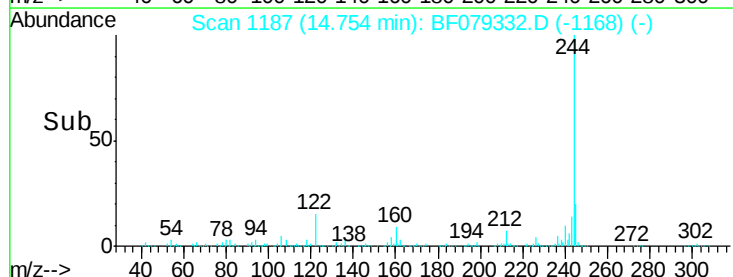
2000

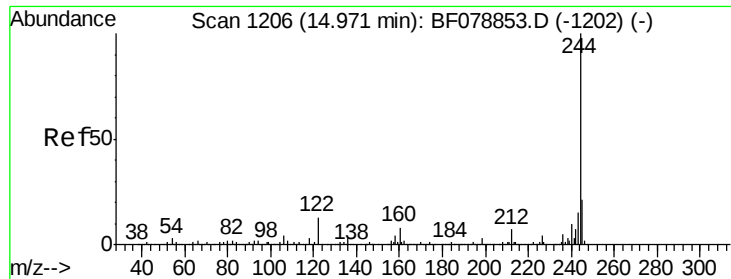
0

14.75

14.80

Time-->





#78

Terphenyl-d14

Concen: 0.93 ng

RT: 15.06 min Scan# 1214

Delta R.T. 0.14 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

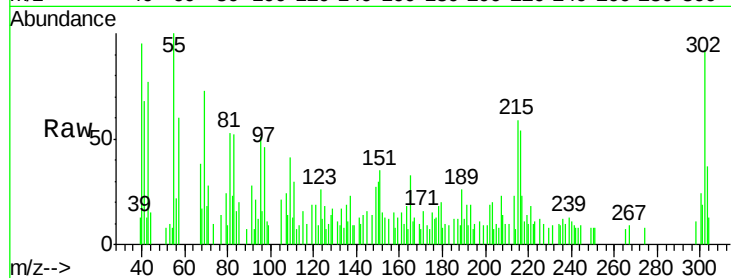
Tgt Ion:244 Resp: 269

Ion Ratio Lower Upper

244 100

212 0.0 5.6 8.4#

122 99.5 10.5 15.7#

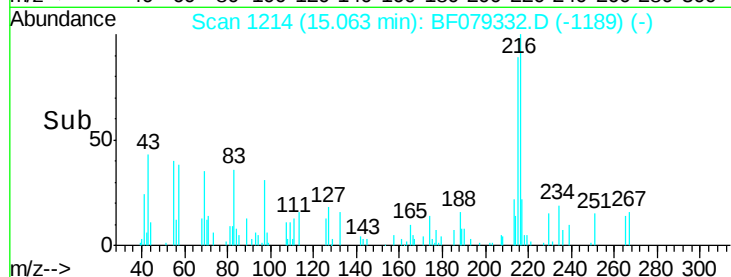


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



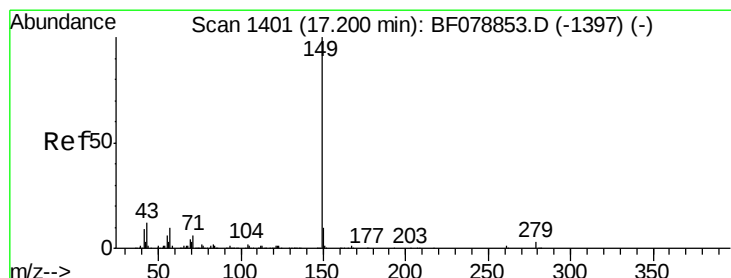
Abundance

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

Time-->



#84

Di-n-octyl phthalate

Concen: 19.46 ng

RT: 17.74 min Scan# 1448

Delta R.T. 0.03 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

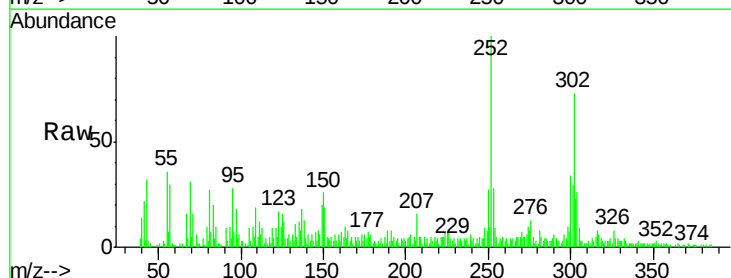
Tgt Ion:149 Resp: 9068

Ion Ratio Lower Upper

149 100

167 2.9 1.2 1.8#

43 19.9 9.0 13.6#

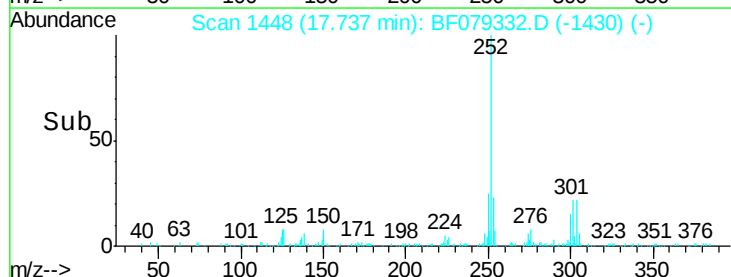


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

Time-->



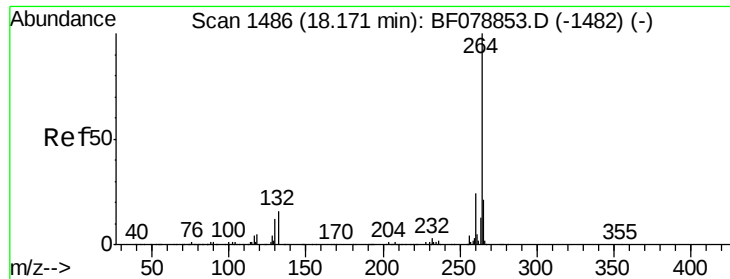
Abundance

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

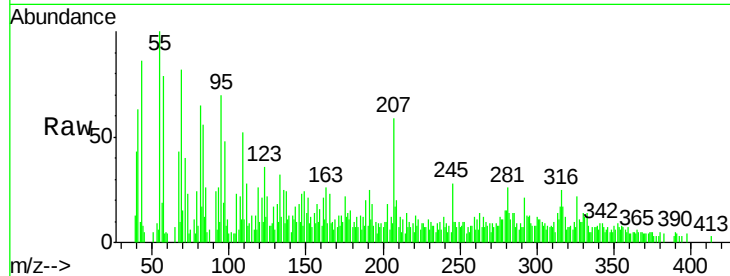
Time-->



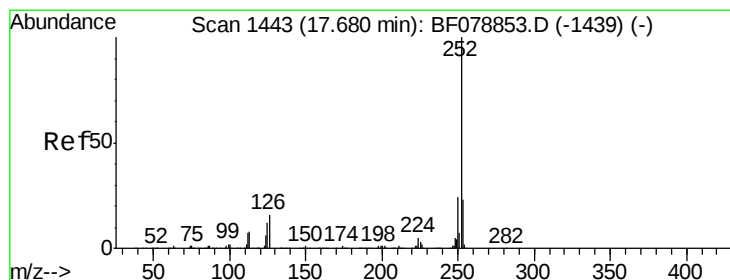
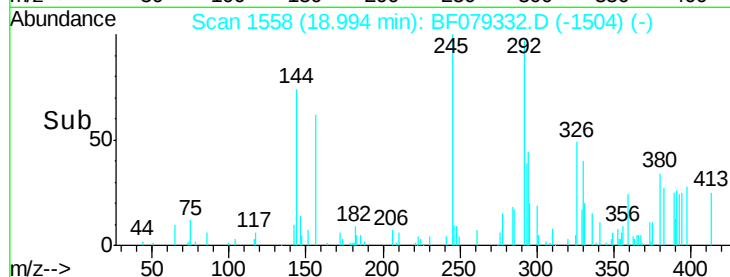
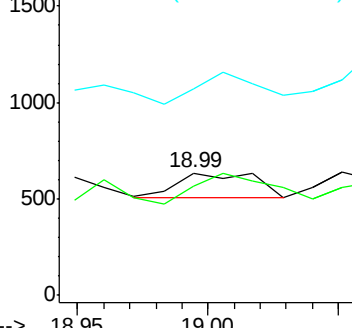
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.99 min Scan# 1558
Delta R.T. 0.11 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

Instrument :
BNA_F
ClientSampleId :
WC-02-D1

Tgt Ion: 264 Resp: 262
Ion Ratio Lower Upper
264 100
260 89.0 19.2 28.8#
265 168.9 17.2 25.8#

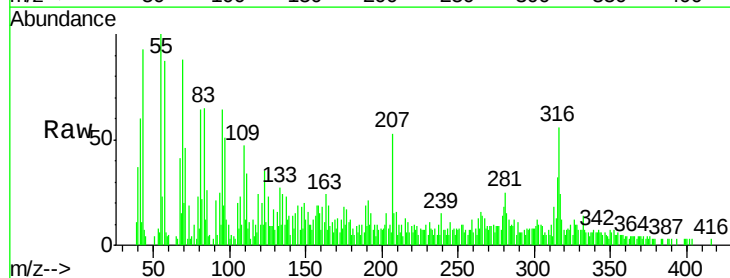


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

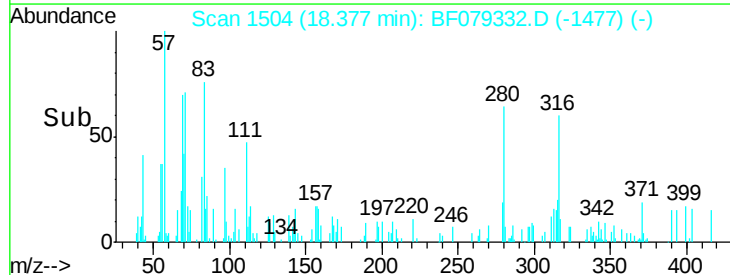
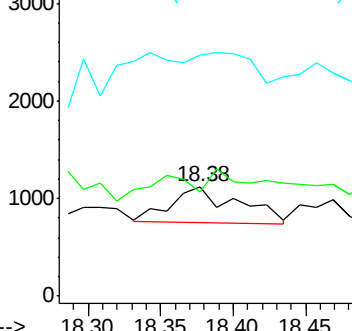


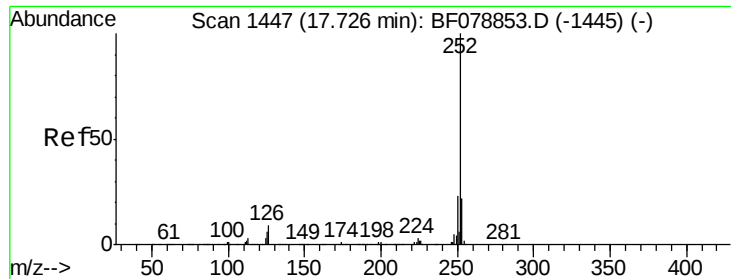
#87
Benzo(b)fluoranthene
Concen: 79.70 ng
RT: 18.38 min Scan# 1504
Delta R.T. 0.13 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

Tgt Ion: 252 Resp: 1143
Ion Ratio Lower Upper
252 100
253 94.8 18.1 27.1#
125 220.1 9.4 14.2#



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

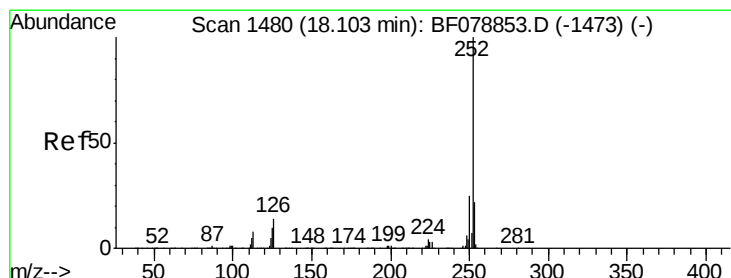
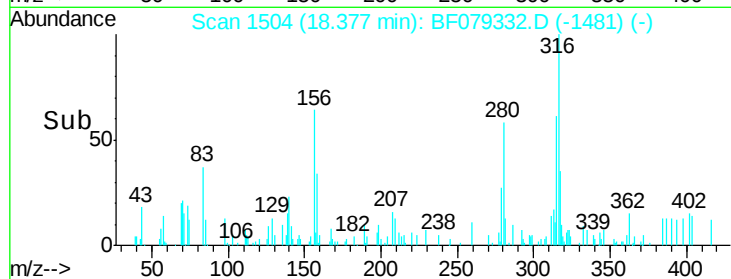
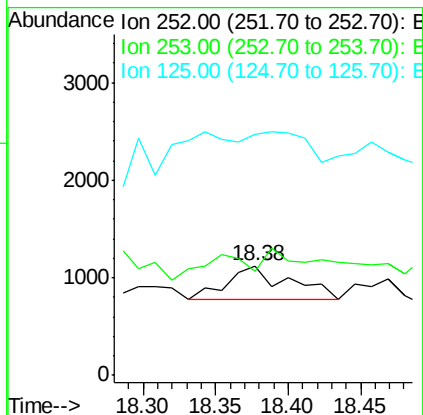
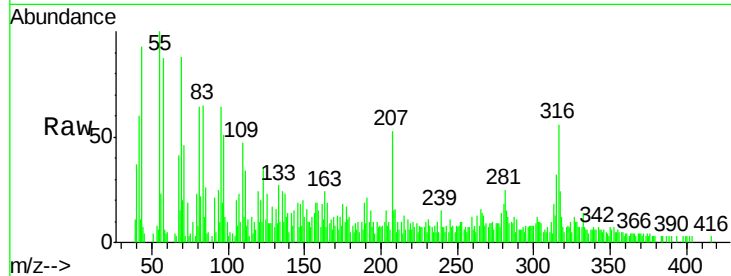




#88
Benzo(k)fluoranthene
Concen: 72.54 ng
RT: 18.38 min Scan# 1504
Delta R.T. 0.08 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

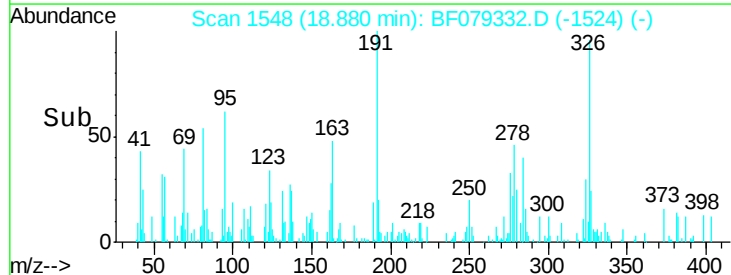
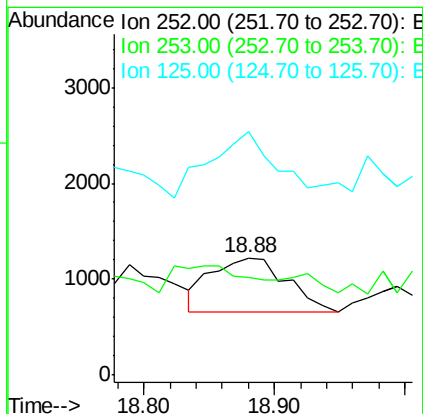
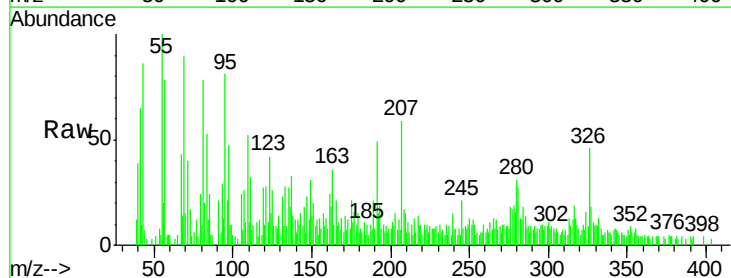
Instrument :
BNA_F
ClientSampleId :
WC-02-D1

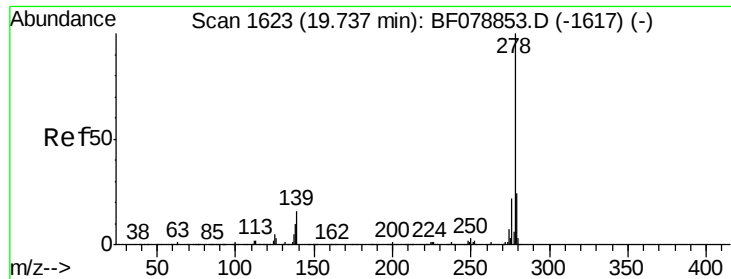
Tgt Ion: 252 Resp: 1007
Ion Ratio Lower Upper
252 100
253 94.8 17.4 26.0#
125 220.1 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 174.71 ng
RT: 18.88 min Scan# 1548
Delta R.T. 0.09 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

Tgt Ion: 252 Resp: 2307
Ion Ratio Lower Upper
252 100
253 83.2 18.0 27.0#
125 208.3 8.2 12.2#





#90

Dibenzo(a,h)anthracene

Concen: 14.11 ng

RT: 20.83 min Scan# 1719

Delta R.T. 0.15 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampled :

WC-02-D1

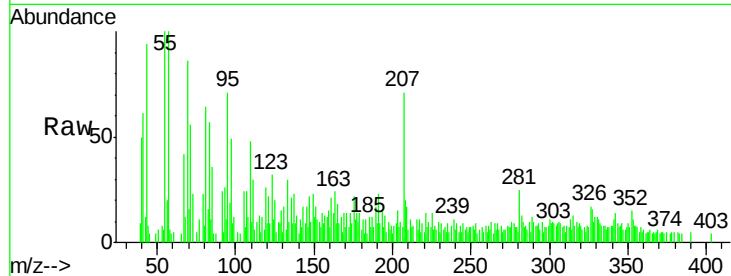
Tgt Ion:278 Resp: 198

Ion Ratio Lower Upper

278 100

139 176.6 13.1 19.7#

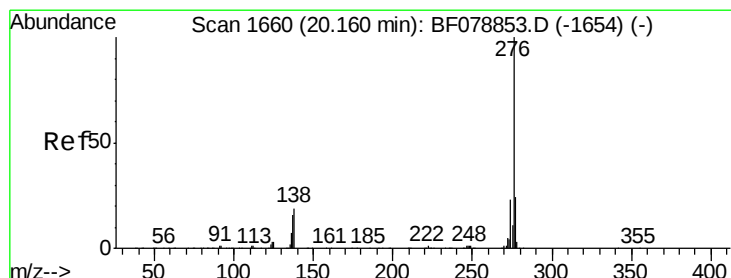
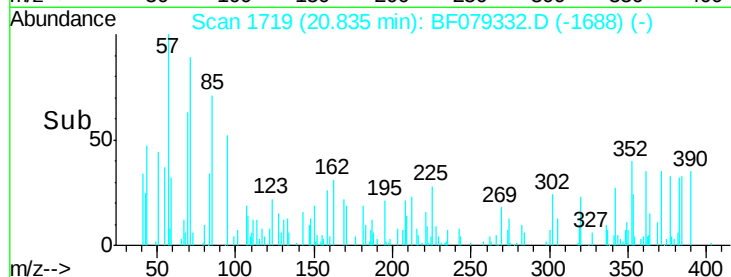
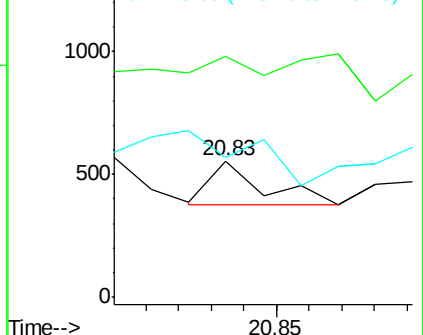
279 102.3 19.1 28.7#



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: 61.07 ng

RT: 21.21 min Scan# 1752

Delta R.T. 0.13 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

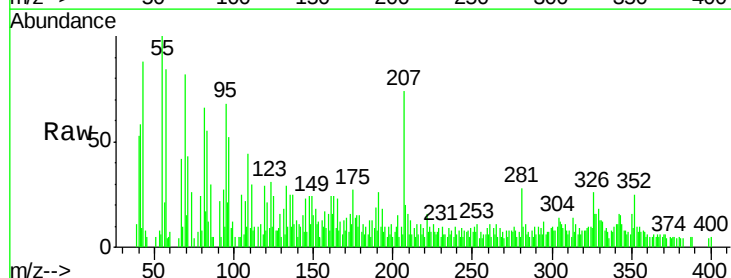
Tgt Ion:276 Resp: 859

Ion Ratio Lower Upper

276 100

277 84.7 18.8 28.2#

138 110.8 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

