

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079327.D
 Acq On : 19 May 2015 2:31
 Operator : TP/IZ
 Sample : G2272-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Quant Time: May 19 03:46:21 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	188909	20.00	ng	-0.06
38) Acenaphthene-d10	10.91	164	98220	20.00	ng	-0.06
63) Phenanthrene-d10	12.75	188	189169	20.00	ng	-0.07
75) Chrysene-d12	16.70	240	8515	20.00	ng	0.19
86) Perylene-d12	19.18	264	195	20.00	ng	0.30

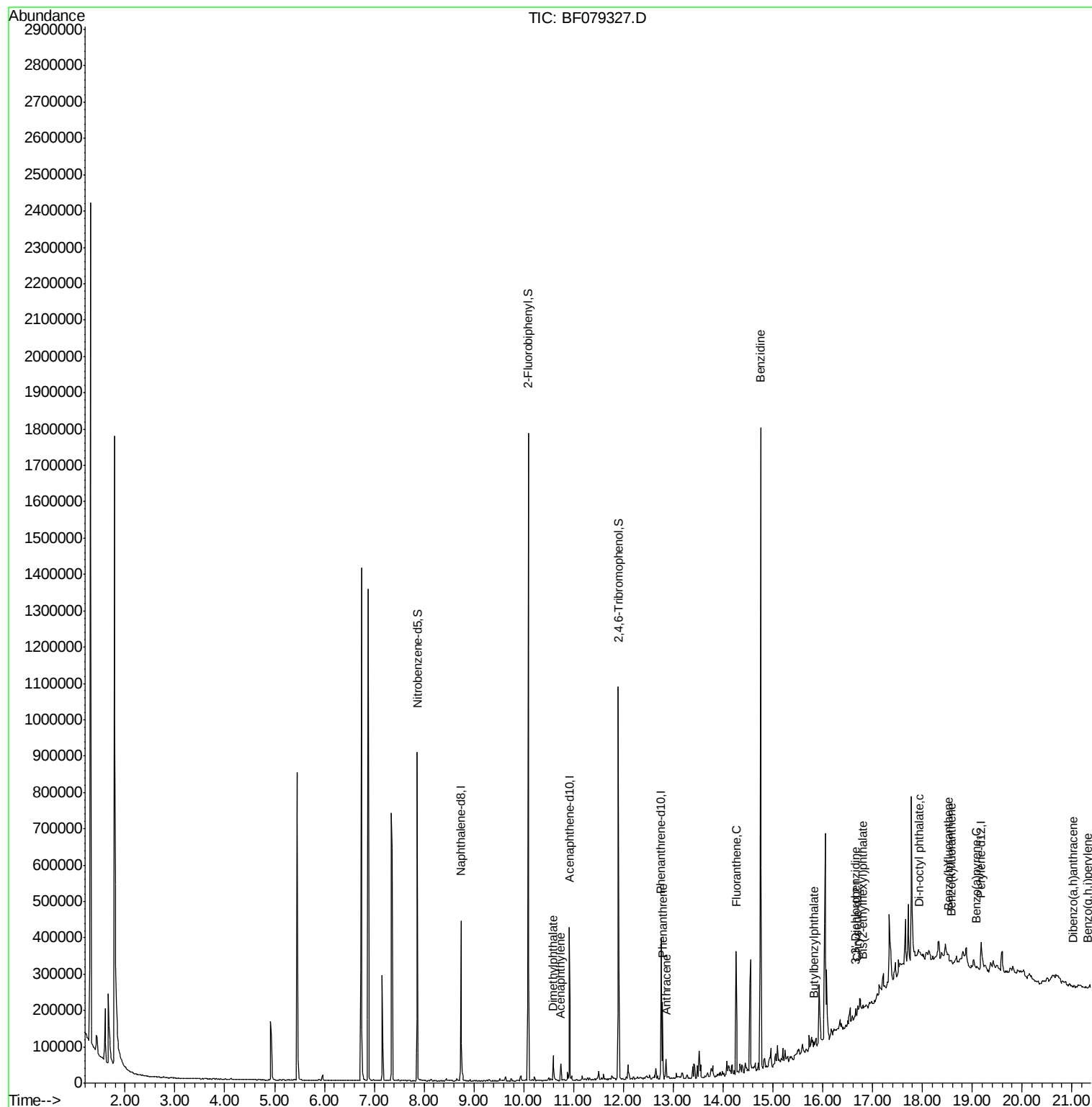
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.86	82	273289	83.14	ng	-0.06
41) 2,4,6-Tribromophenol	11.90	330	141901	133.55	ng	-0.06
44) 2-Fluorobiphenyl	10.09	172	539495	76.53	ng	-0.06
78) Terphenyl-d14	15.06	244	238	0.67	ng	0.14

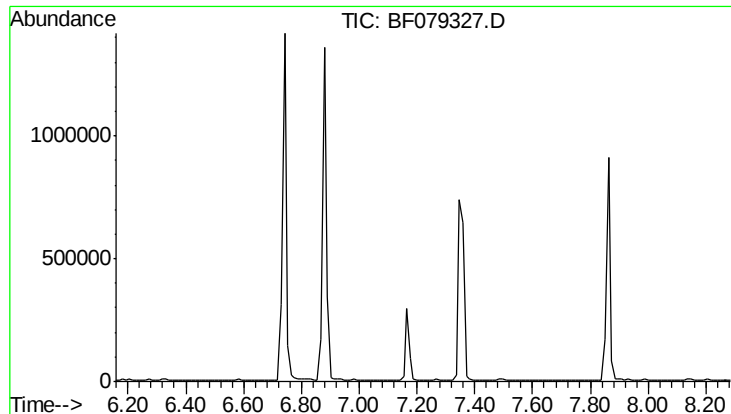
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.74	152	22145	2.21	ng	100
49) Dimethylphthalate	10.59	163	31068	4.31	ng	99
70) Phenanthrene	12.79	178	81882	7.74	ng	99
71) Anthracene	12.86	178	30830	2.97	ng	97
74) Fluoranthene	14.26	202	153539	13.92	ng	99
76) Benzidine	14.75	184	8428	36.73	ng	# 93
79) Butylbenzylphthalate	15.83	149	923	4.30	ng	# 20
81) 3,3'-Dichlorobenzidine	16.66	252	1704	10.26	ng	# 1
83) Bis(2-ethylhexyl)phthalate	16.81	149	652	2.01	ng	# 75
84) Di-n-octyl phthalate	17.93	149	1870	3.27	ng	# 1
87) Benzo(b)fluoranthene	18.53	252	266	24.92	ng	# 1
88) Benzo(k)fluoranthene	18.58	252	829	80.23	ng	# 1
89) Benzo(a)pyrene	19.07	252	435	44.26	ng	# 1
90) Dibenzo(a,h)anthracene	21.03	278	86	8.23	ng	# 1
91) Benzo(g,h,i)perylene	21.33	276	267	25.50	ng	# 1

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\  
Data File : BF079327.D  
Acq On    : 19 May 2015    2:31  
Operator  : TP/IZ  
Sample    : G2272-11  
Misc      :  
ALS Vial  : 15    Sample Multiplier: 1
```

Quant Time: May 19 03:46:21 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: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

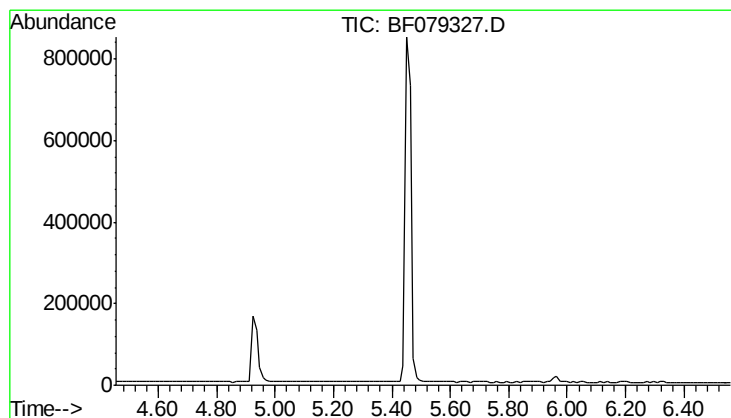
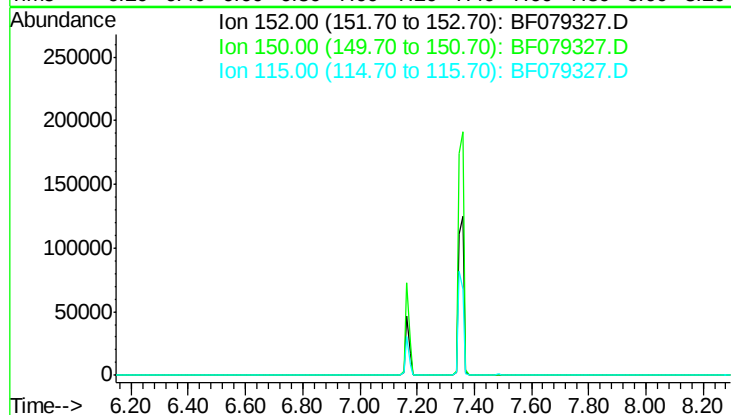
Tgt Ion: 152

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: BF079327.D

Acq: 19 May 2015 2:31

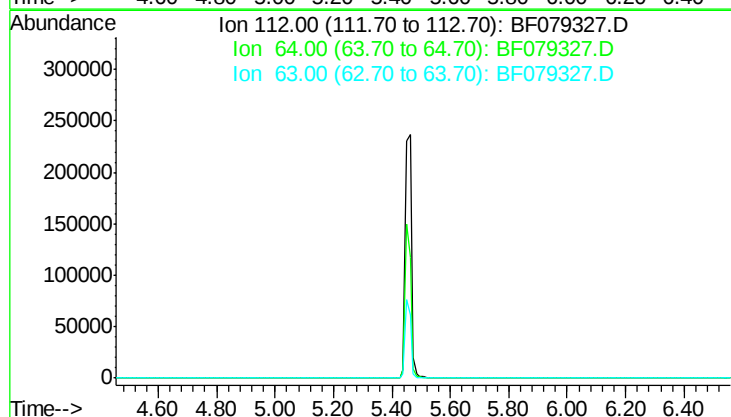
Tgt Ion: 112

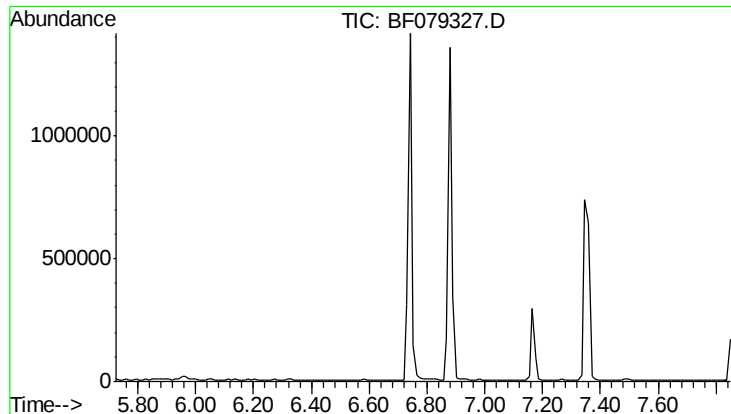
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

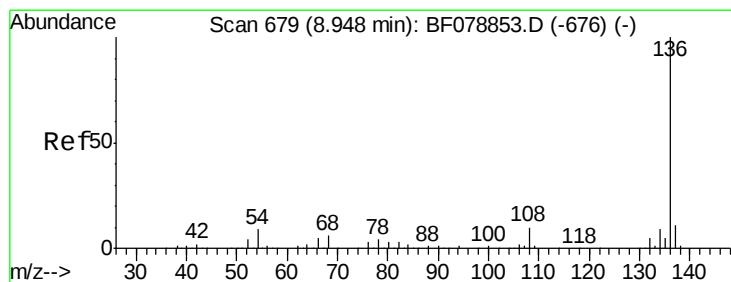
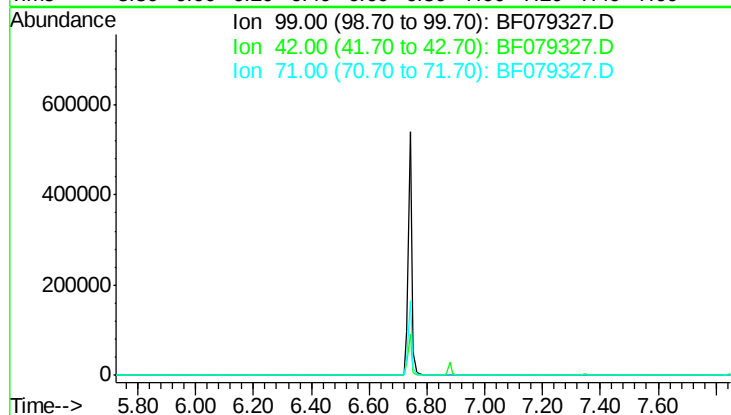
Tgt Ion: 99

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: BF079327.D

Acq: 19 May 2015 2:31

Tgt Ion:136 Resp: 188909

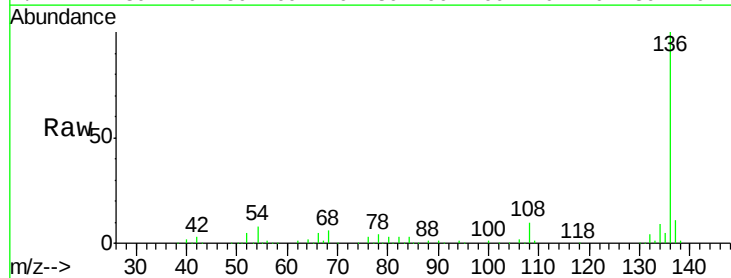
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.3 6.9 10.3

68 6.3 4.9 7.3

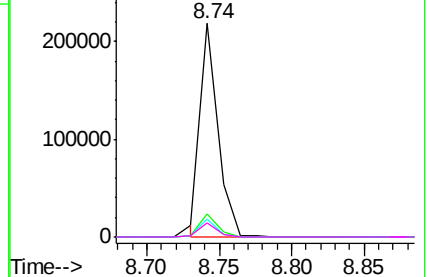
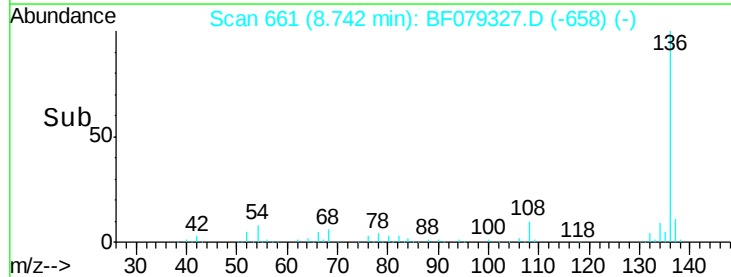


Abundance Ion 136.00 (135.70 to 136.70): E

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

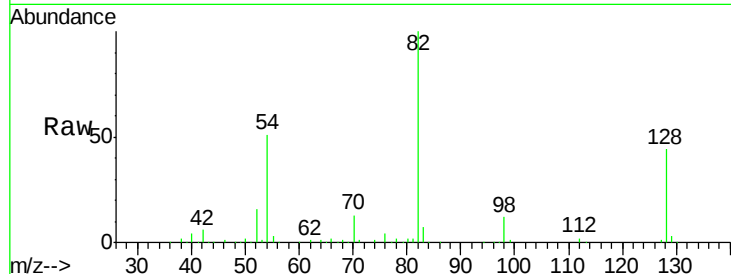




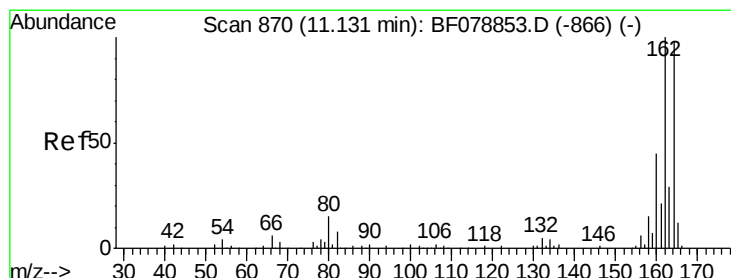
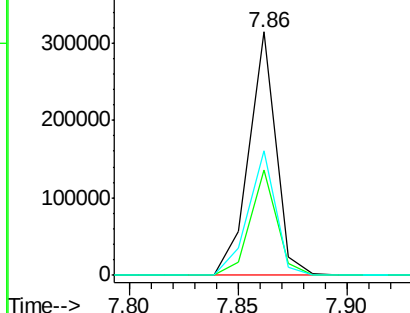
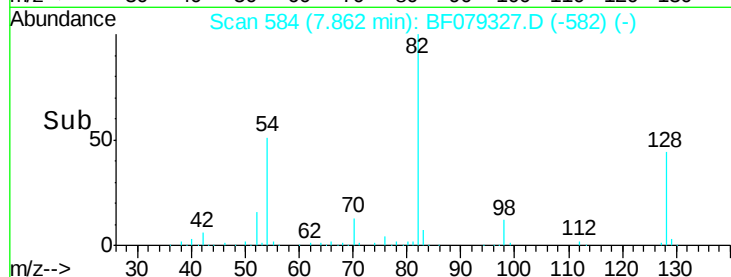
#23
 Nitrobenzene-d5
 Concen: 83.14 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.06 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	29.7	44.5
54	51.4	46.2	69.4

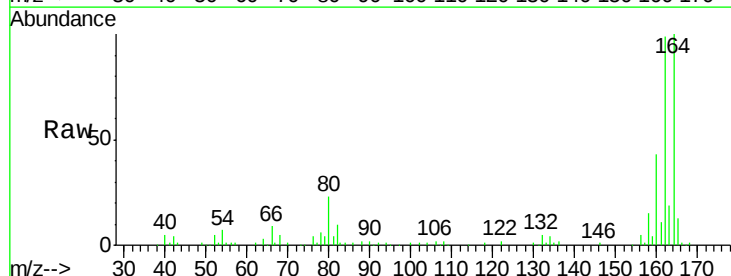


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

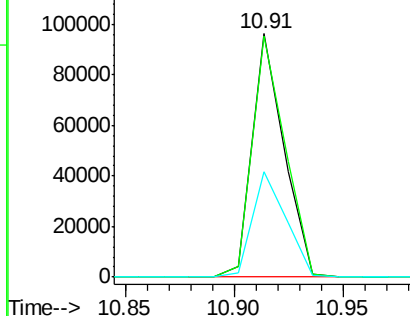
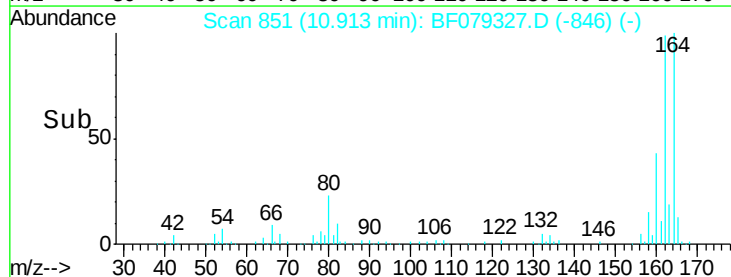


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.06 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.4	122.0
160	43.5	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

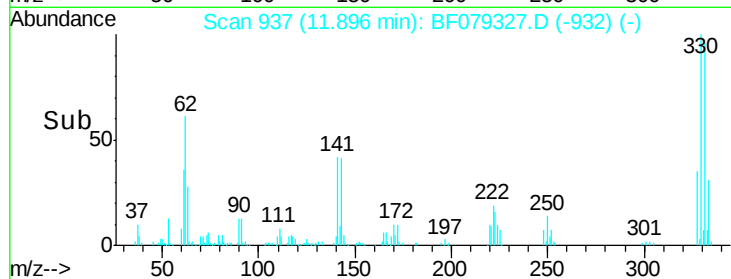
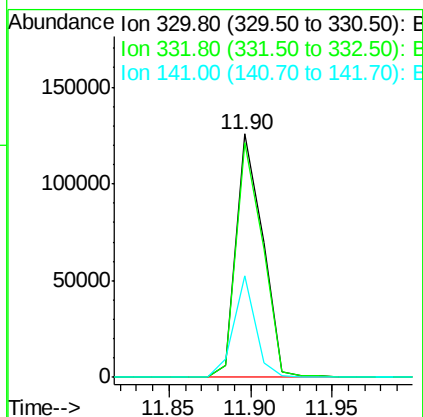
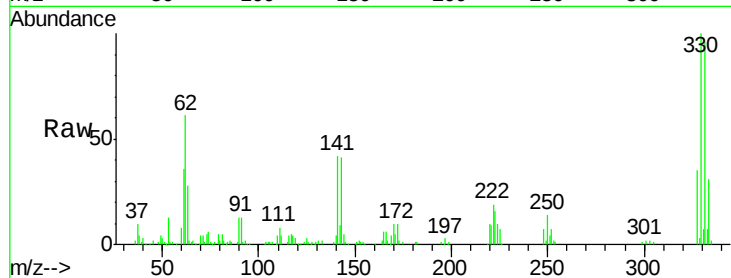




#41
 2,4,6-Tribromophenol
 Concen: 133.55 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.06 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

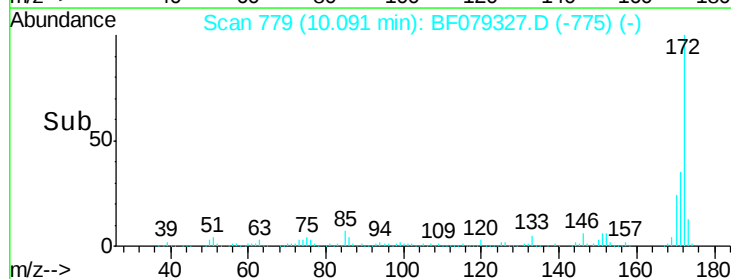
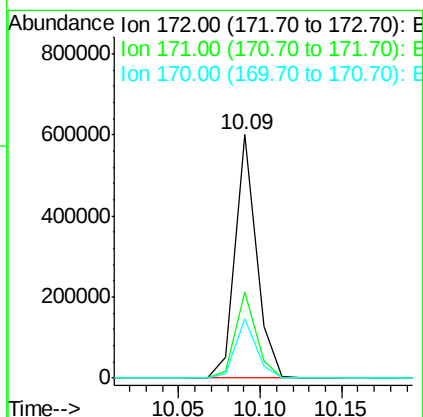
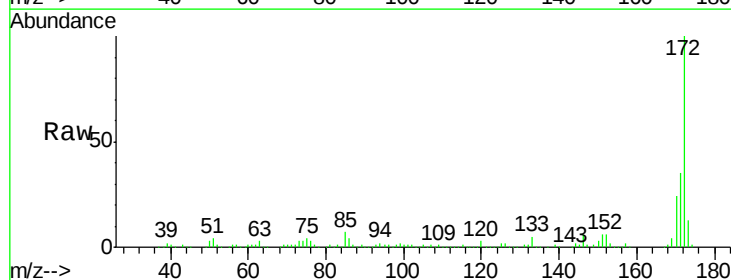
Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

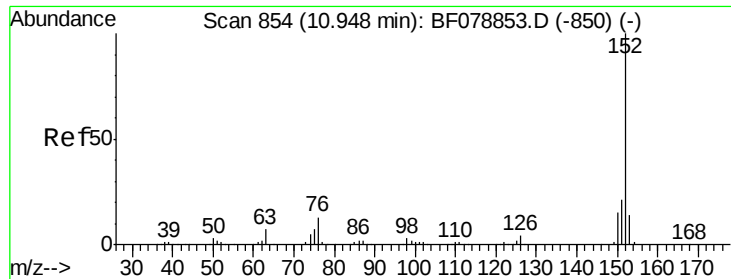
Tgt Ion:330 Resp: 141901
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.9 115.3
 141 34.7 27.8 41.8



#44
 2-Fluorobiphenyl
 Concen: 76.53 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.06 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion:172 Resp: 539495
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.3 42.5
 170 24.4 19.4 29.2





#48

Acenaphthylene

Concen: 2.21 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

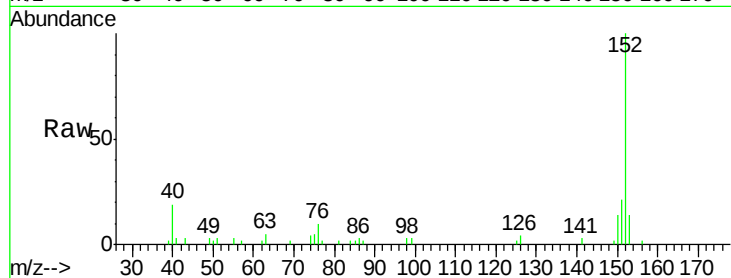
Tgt Ion:152 Resp: 22145

Ion Ratio Lower Upper

152 100

151 20.6 16.6 24.8

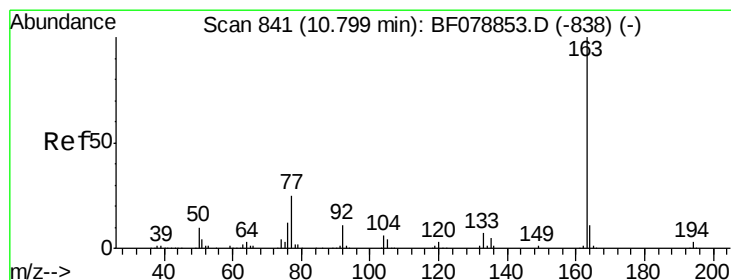
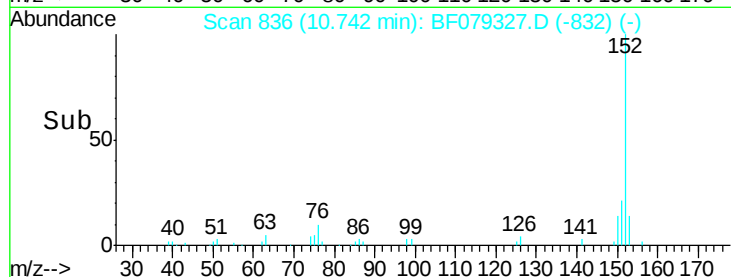
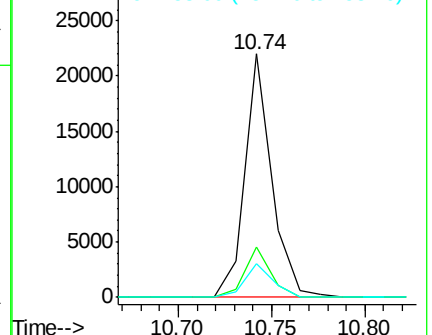
153 13.7 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.31 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.07 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

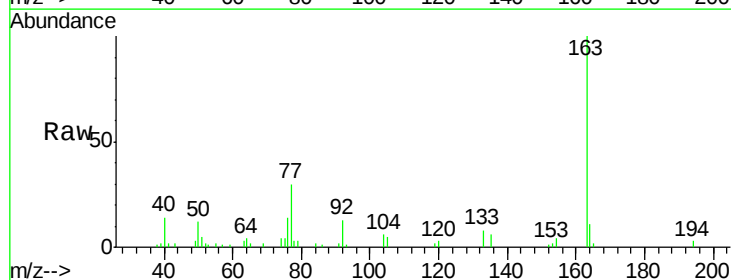
Tgt Ion:163 Resp: 31068

Ion Ratio Lower Upper

163 100

194 2.7 2.4 3.6

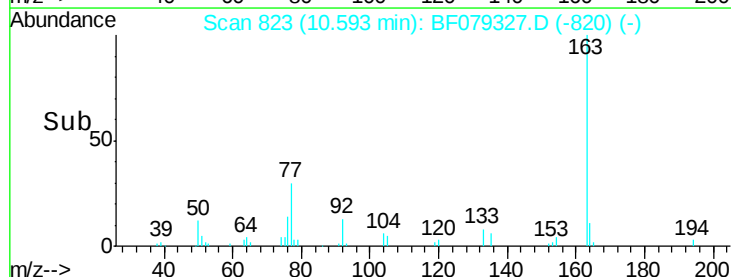
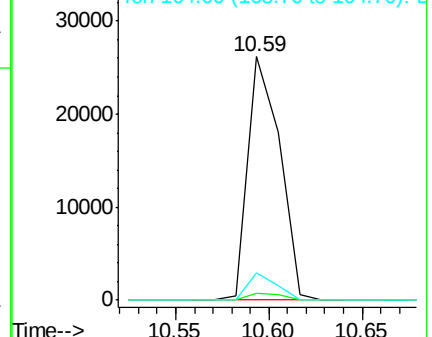
164 11.1 8.6 12.8



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

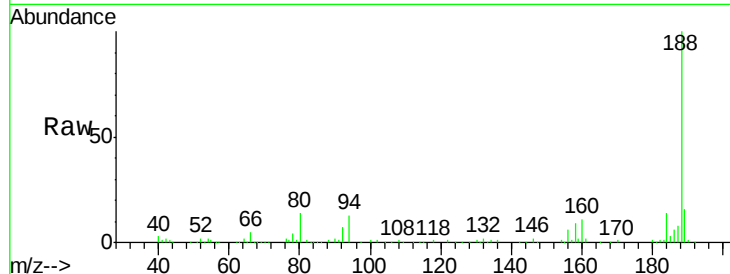




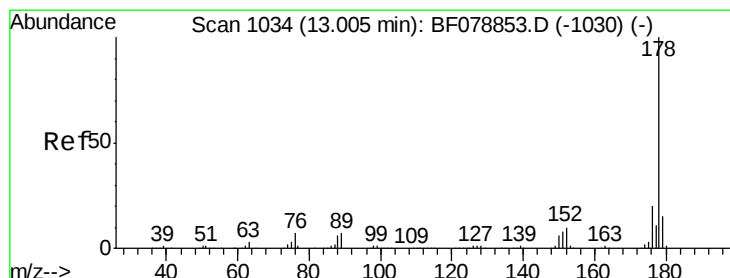
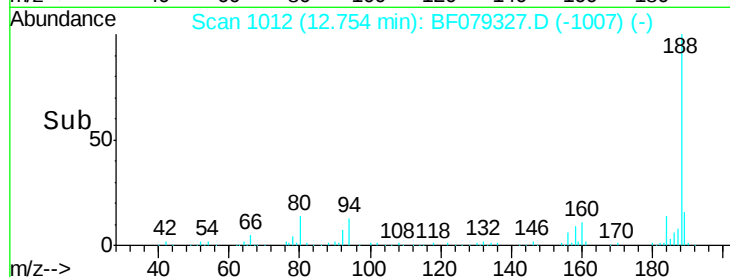
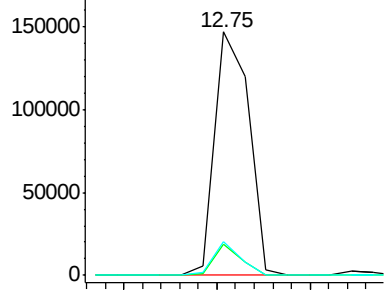
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1012
Delta R.T. -0.07 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Instrument :
BNA_F
ClientSampleId :
WC-10-D1

Tgt Ion:188 Resp: 189169
Ion Ratio Lower Upper
188 100
94 12.7 9.4 14.0
80 14.0 9.8 14.6

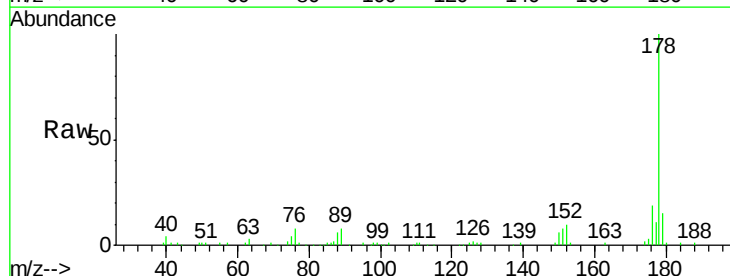


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

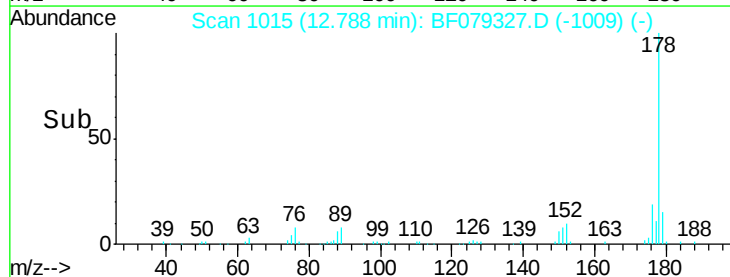
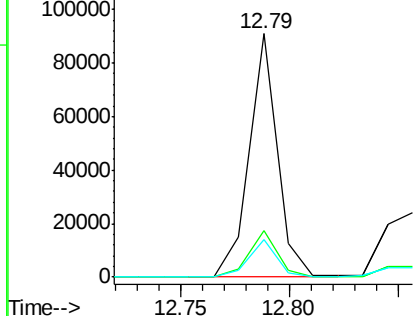


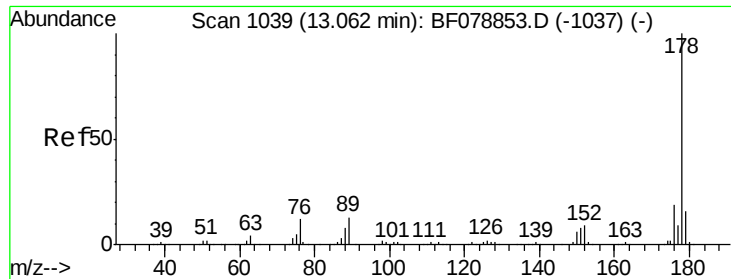
#70
Phenanthrene
Concen: 7.74 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.06 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Tgt Ion:178 Resp: 81882
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.3 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

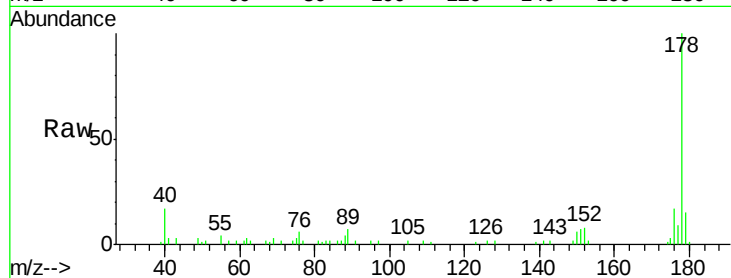




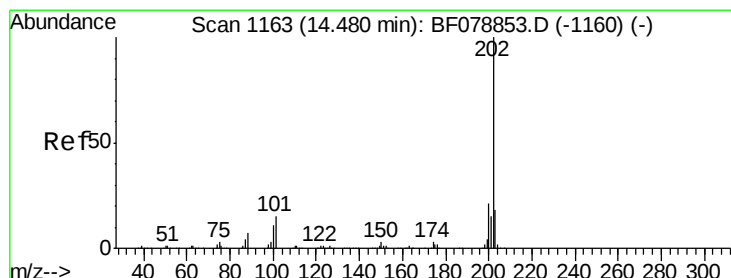
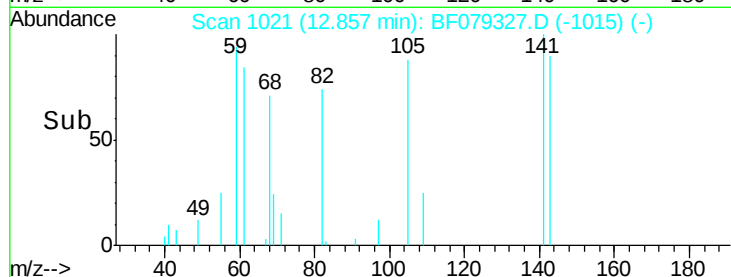
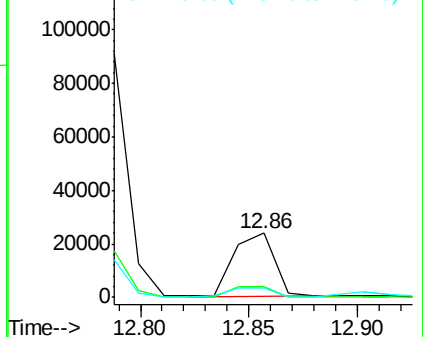
#71
 Anthracene
 Concen: 2.97 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. -0.06 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Tgt Ion:178 Resp: 30830
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.3 22.9
 179 15.4 12.6 19.0

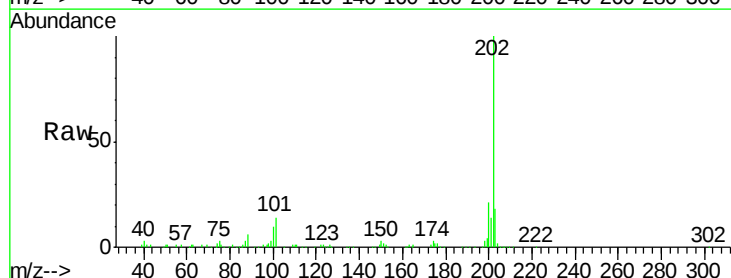


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

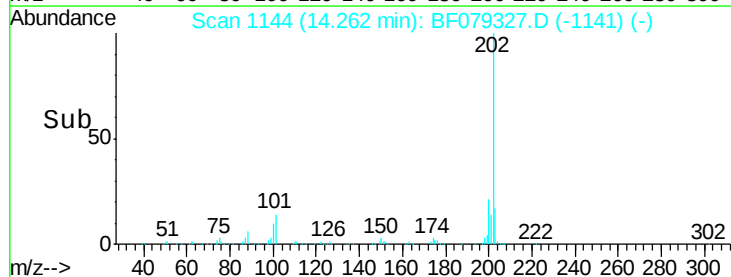
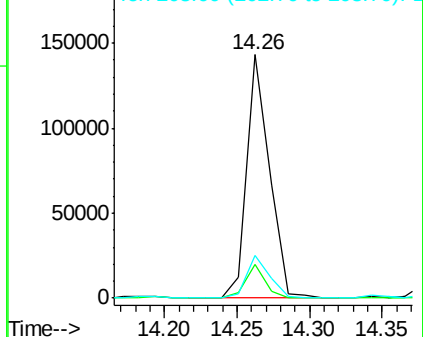


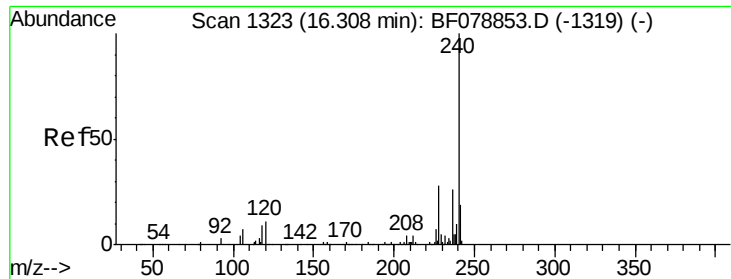
#74
 Fluoranthene
 Concen: 13.92 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.11 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion:202 Resp: 153539
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 34.7
 203 17.5 0.0 37.9



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: 16.70 min Scan# 1357

Delta R.T. 0.19 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

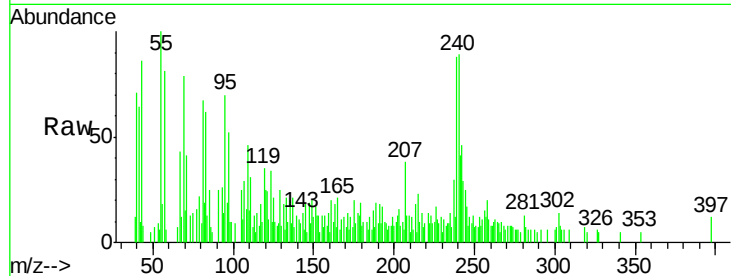
Tgt Ion:240 Resp: 8515

Ion Ratio Lower Upper

240 100

120 27.9 8.6 12.8#

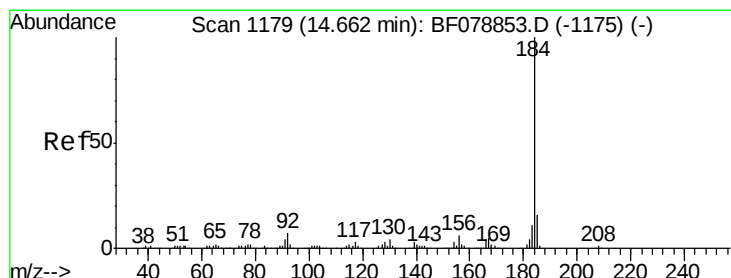
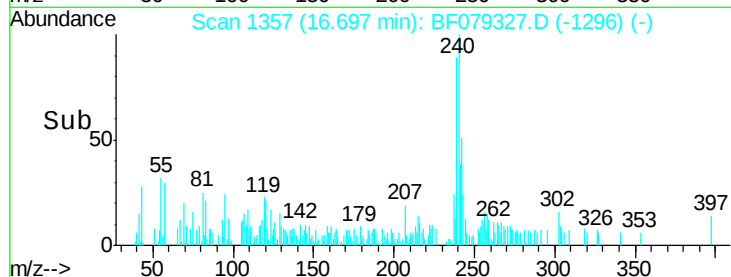
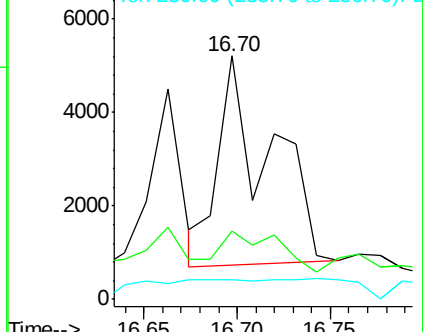
236 7.9 21.0 31.6#



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



#76

Benzidine

Concen: 36.73 ng

RT: 14.75 min Scan# 1187

Delta R.T. 0.17 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

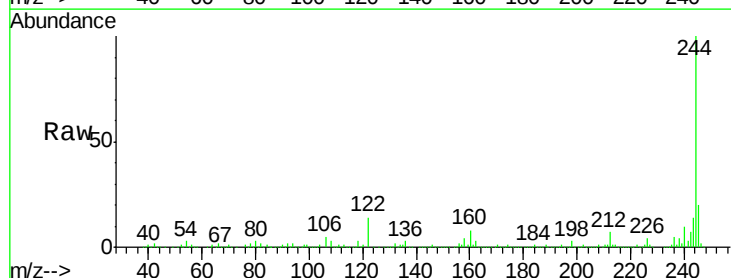
Tgt Ion:184 Resp: 8428

Ion Ratio Lower Upper

184 100

185 19.7 12.8 19.2#

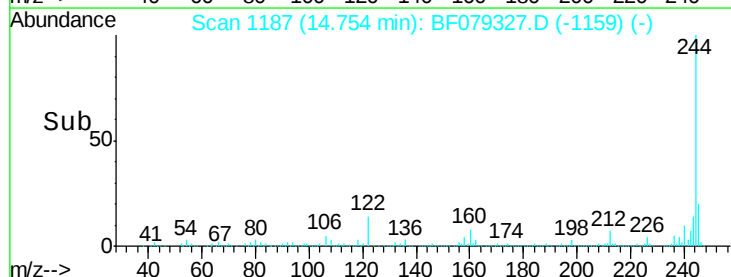
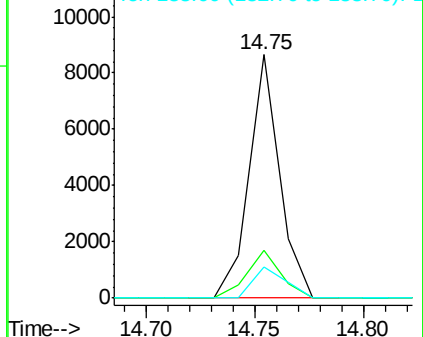
183 12.6 9.0 13.4

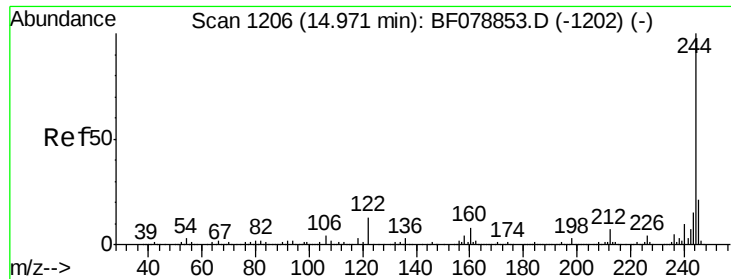


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

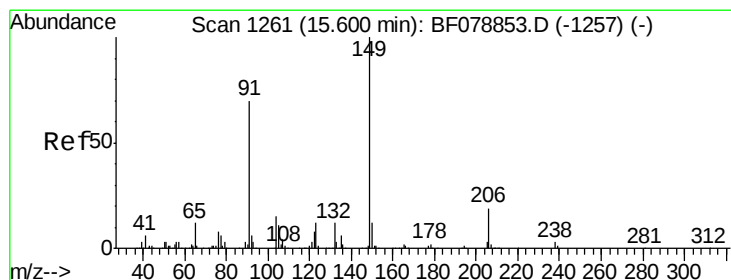
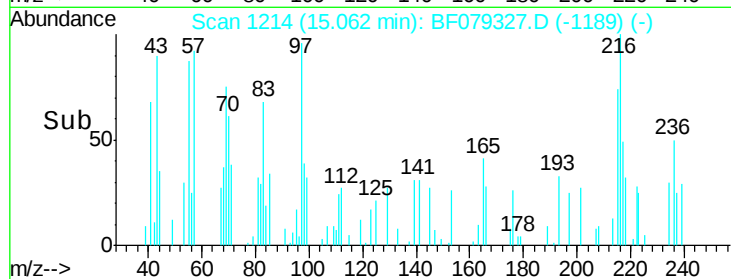
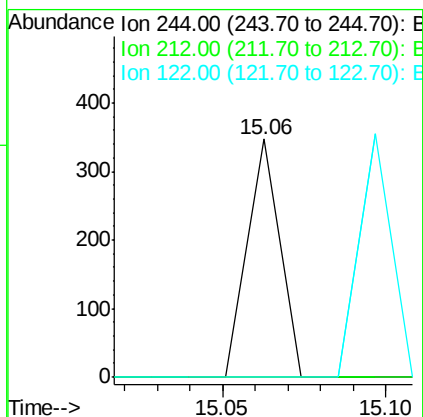
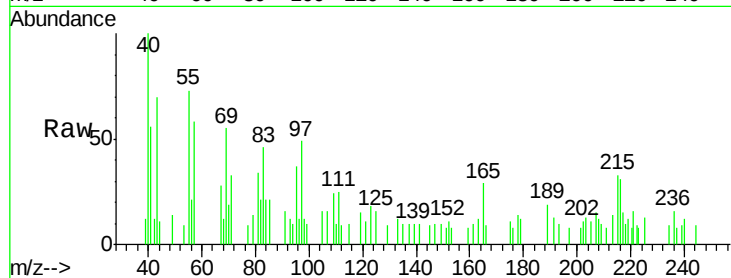




#78
 Terphenyl-d14
 Concen: 0.67 ng
 RT: 15.06 min Scan# 1214
 Delta R.T. 0.14 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

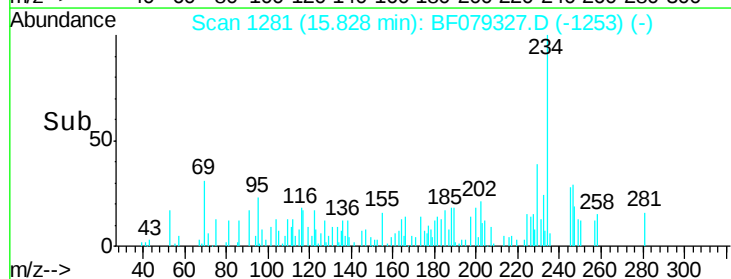
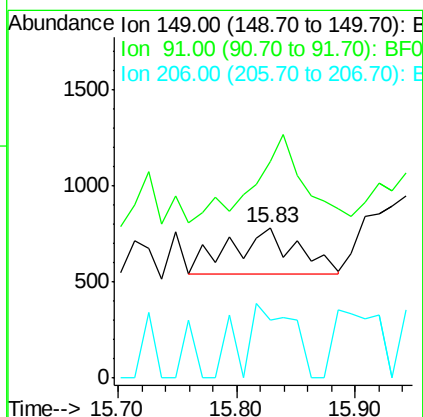
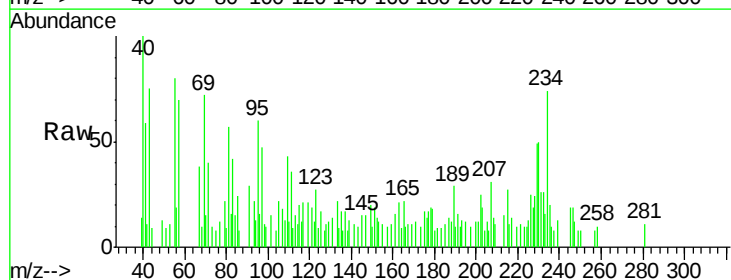
Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

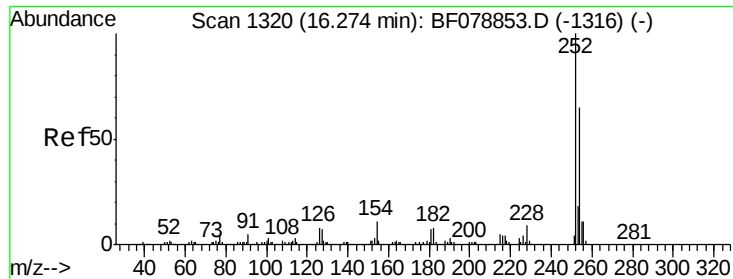
Tgt Ion: 244 Resp: 238
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.6 8.4#
 122 0.0 10.5 15.7#



#79
 Butylbenzylphthalate
 Concen: 4.30 ng
 RT: 15.83 min Scan# 1281
 Delta R.T. 0.16 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion: 149 Resp: 923
 Ion Ratio Lower Upper
 149 100
 91 143.9 56.2 84.2#
 206 39.0 15.2 22.8#

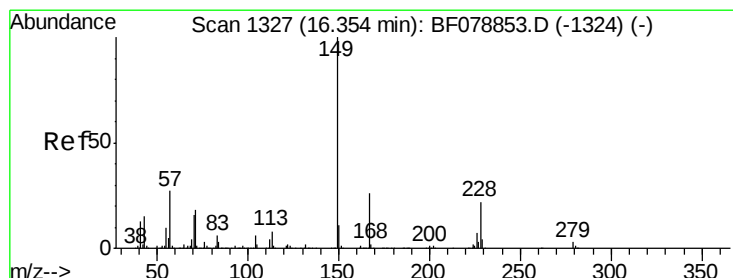
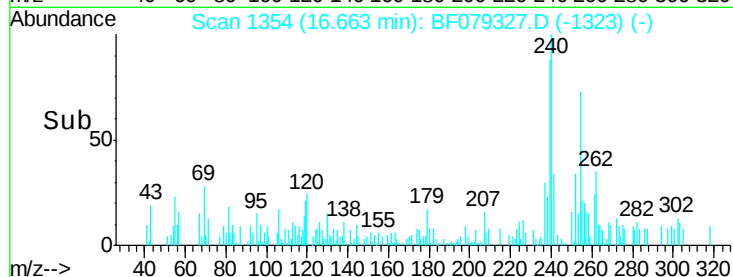
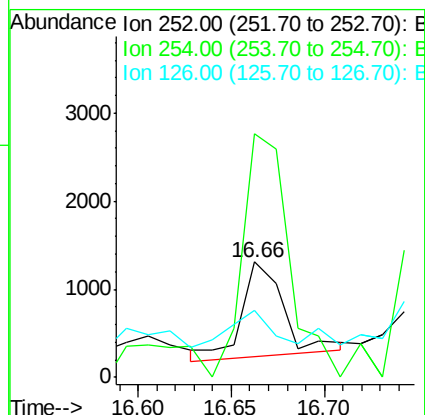
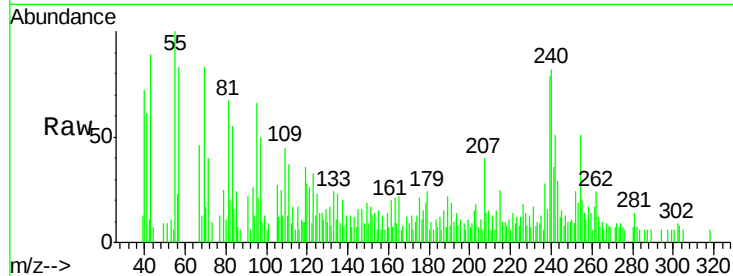




#81
 3,3'-Dichlorobenzidine
 Concen: 10.26 ng
 RT: 16.66 min Scan# 1354
 Delta R.T. 0.19 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

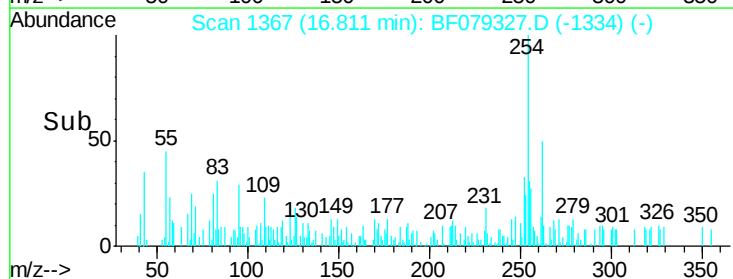
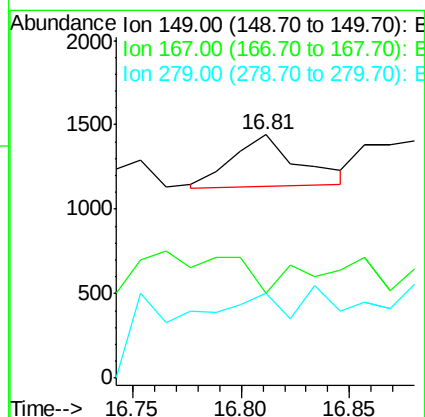
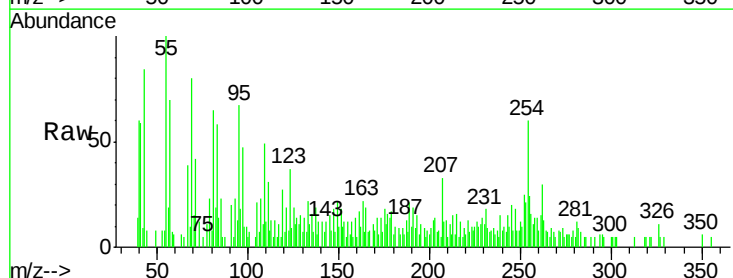
Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

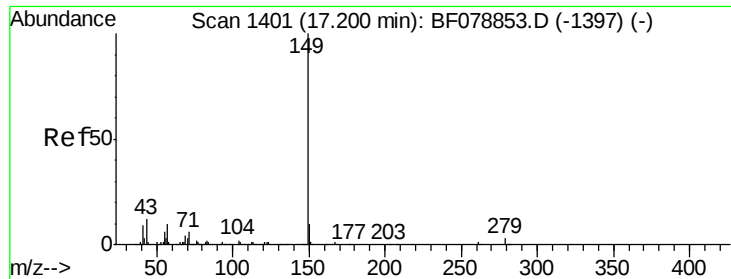
Tgt Ion: 252 Resp: 1704
 Ion Ratio Lower Upper
 252 100
 254 211.6 52.2 78.2#
 126 58.5 6.6 9.8#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.01 ng
 RT: 16.81 min Scan# 1367
 Delta R.T. 0.21 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion: 149 Resp: 652
 Ion Ratio Lower Upper
 149 100
 167 35.0 21.2 31.8#
 279 35.1 2.6 4.0#

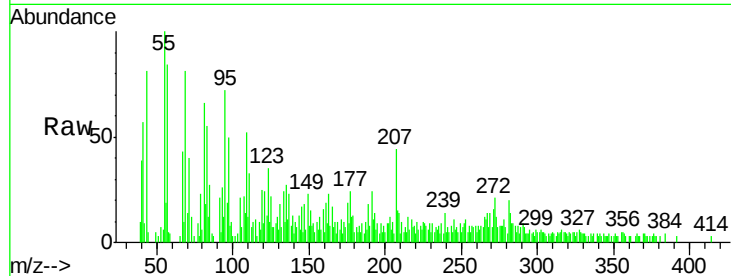




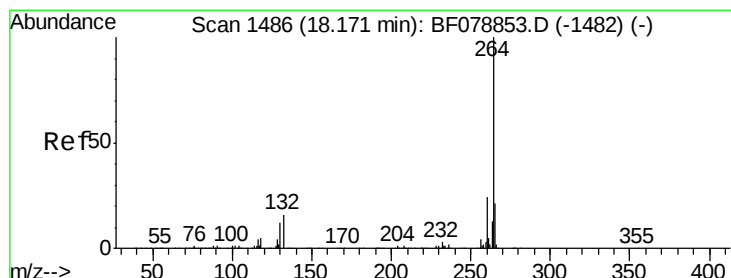
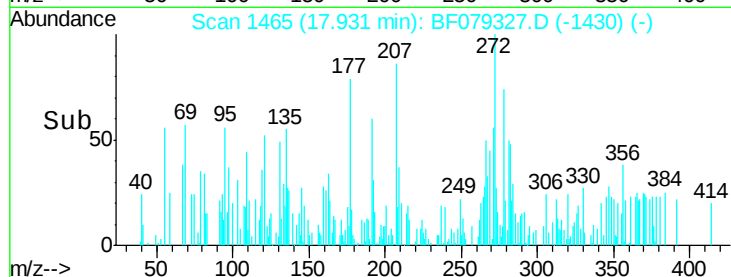
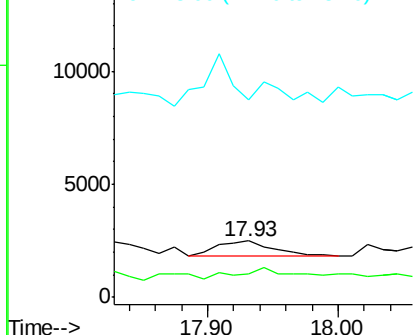
#84
Di-n-octyl phthalate
Concen: 3.27 ng
RT: 17.93 min Scan# 1465
Delta R.T. 0.23 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Instrument :
BNA_F
ClientSampleId :
WC-10-D1

Tgt Ion:149 Resp: 1870
Ion Ratio Lower Upper
149 100
167 83.7 1.2 1.8#
43 79.0 9.0 13.6#

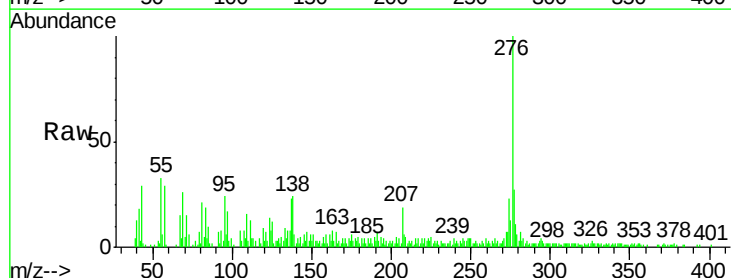


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

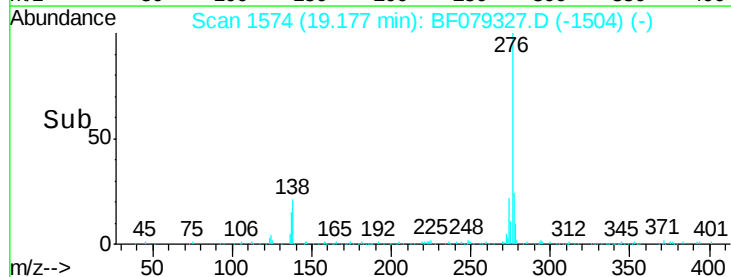
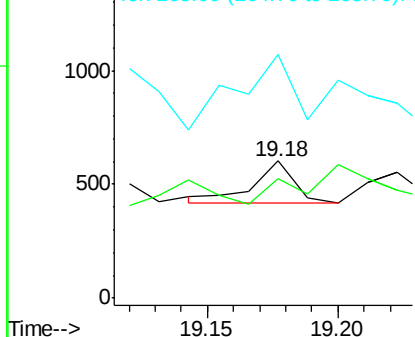


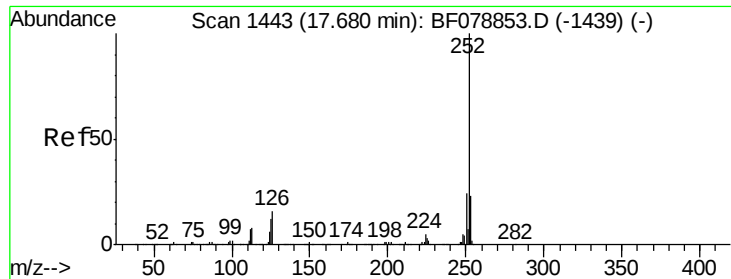
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.18 min Scan# 1574
Delta R.T. 0.30 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Tgt Ion:264 Resp: 195
Ion Ratio Lower Upper
264 100
260 87.1 19.2 28.8#
265 177.4 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

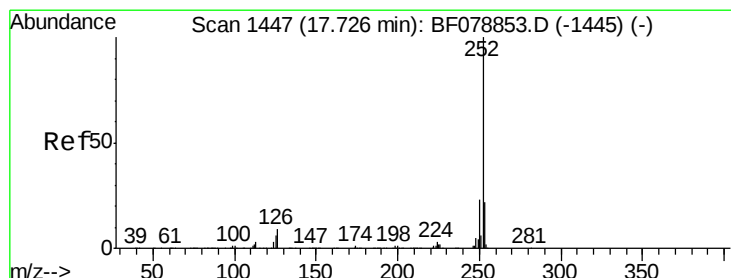
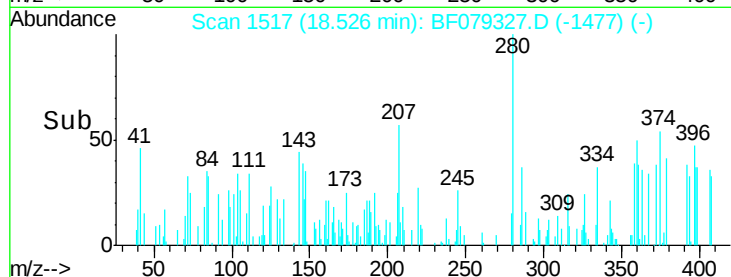
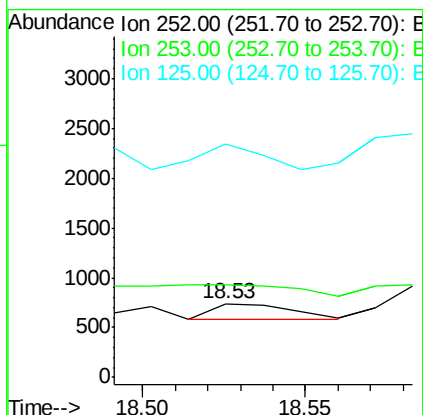
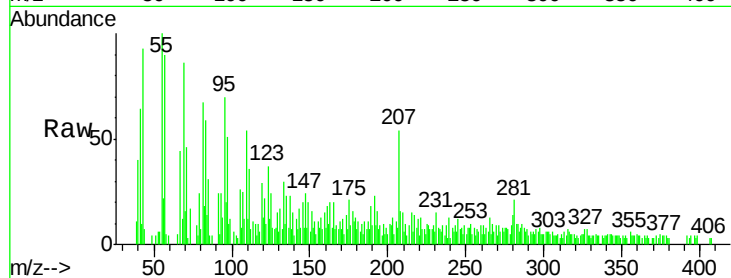




#87
Benzo(b)fluoranthene
Concen: 24.92 ng
RT: 18.53 min Scan# 1517
Delta R.T. 0.27 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

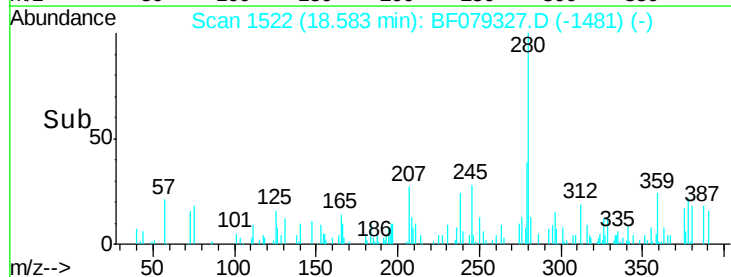
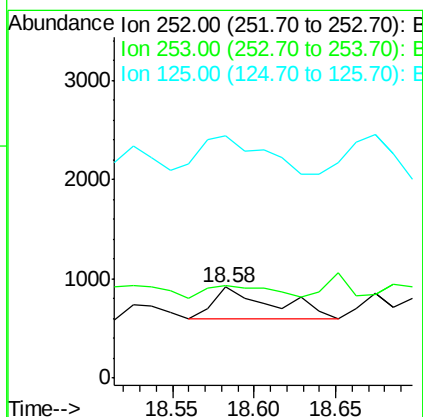
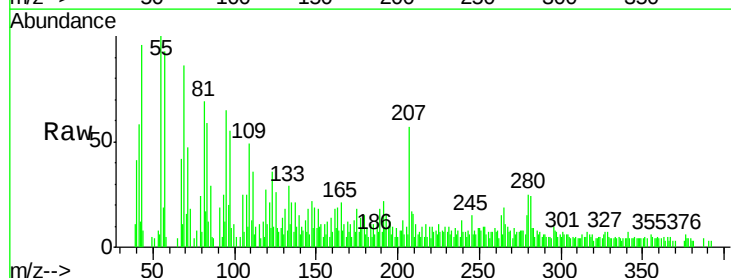
Instrument :
BNA_F
ClientSampleId :
WC-10-D1

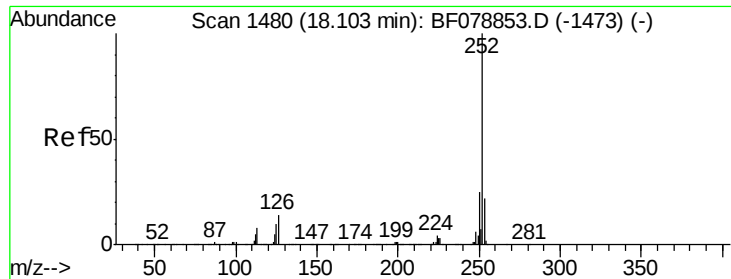
Tgt Ion: 252 Resp: 266
Ion Ratio Lower Upper
252 100
253 126.0 18.1 27.1#
125 315.2 9.4 14.2#



#88
Benzo(k)fluoranthene
Concen: 80.23 ng
RT: 18.58 min Scan# 1522
Delta R.T. 0.29 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Tgt Ion: 252 Resp: 829
Ion Ratio Lower Upper
252 100
253 102.0 17.4 26.0#
125 266.6 6.1 9.1#





#89

Benzo(a)pyrene

Concen: 44.26 ng

RT: 19.07 min Scan# 1565

Delta R.T. 0.29 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

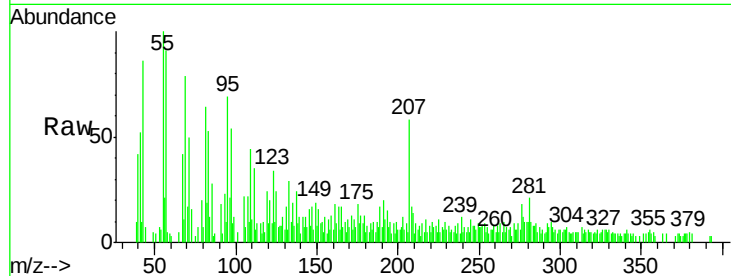
Tgt Ion: 252 Resp: 435

Ion Ratio Lower Upper

252 100

253 105.5 18.0 27.0#

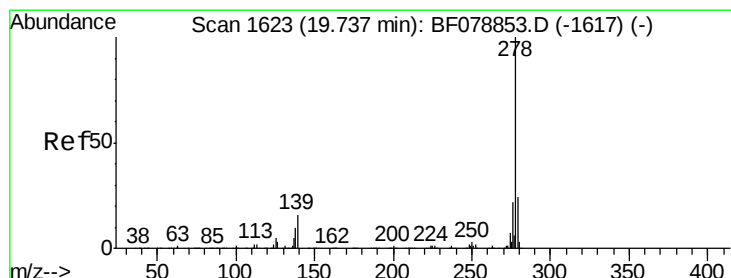
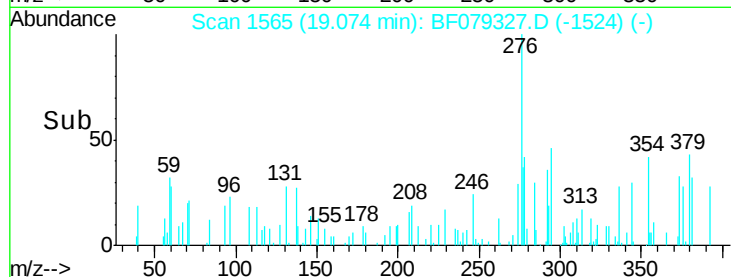
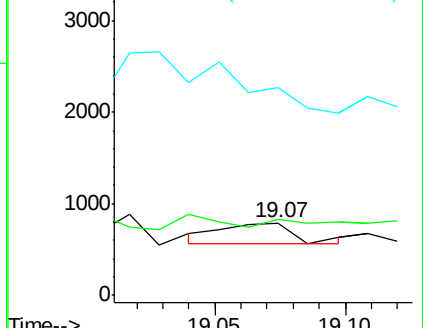
125 287.7 8.2 12.2#



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



#90

Dibenzo(a,h)anthracene

Concen: 8.23 ng

RT: 21.03 min Scan# 1736

Delta R.T. 0.34 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

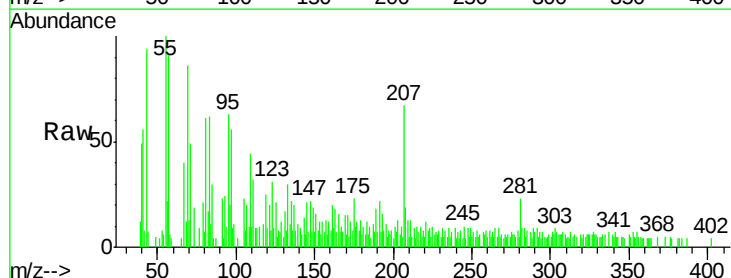
Tgt Ion: 278 Resp: 86

Ion Ratio Lower Upper

278 100

139 195.8 13.1 19.7#

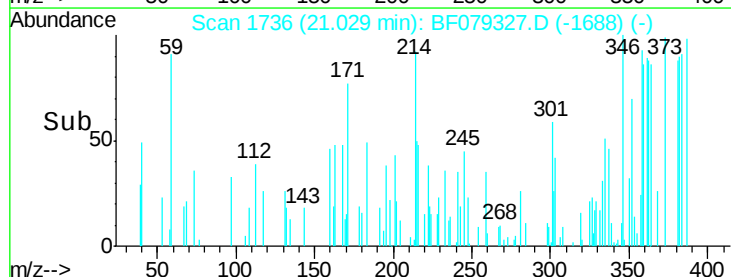
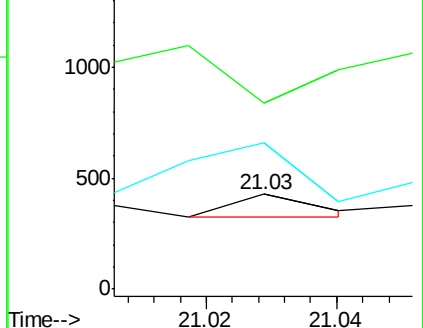
279 154.3 19.1 28.7#

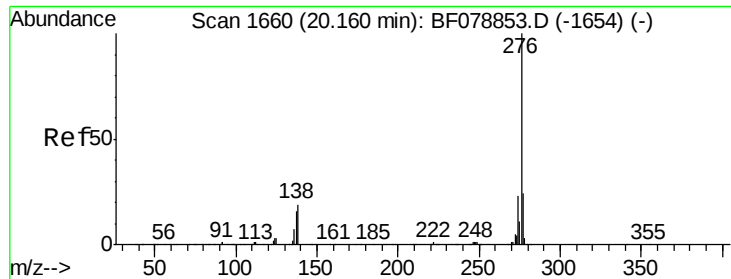


Abundance Ion 278.00 (277.70 to 278.70): E

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: 25.50 ng

RT: 21.33 min Scan# 1762

Delta R.T. 0.24 min

Lab File: BF079327.D

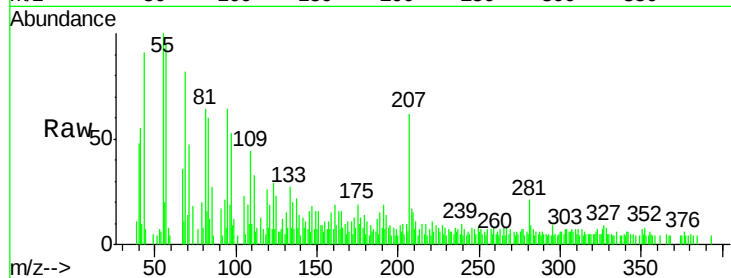
Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1



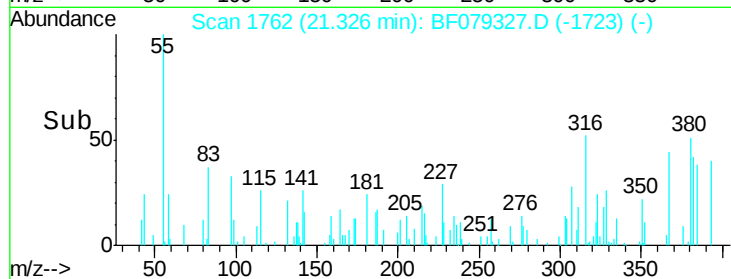
Tgt Ion: 276 Resp: 267

Ion Ratio Lower Upper

276 100

277 94.0 18.8 28.2#

138 102.8 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

