

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 05:41:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 05:25:25 2015
 Response via : Initial Calibration

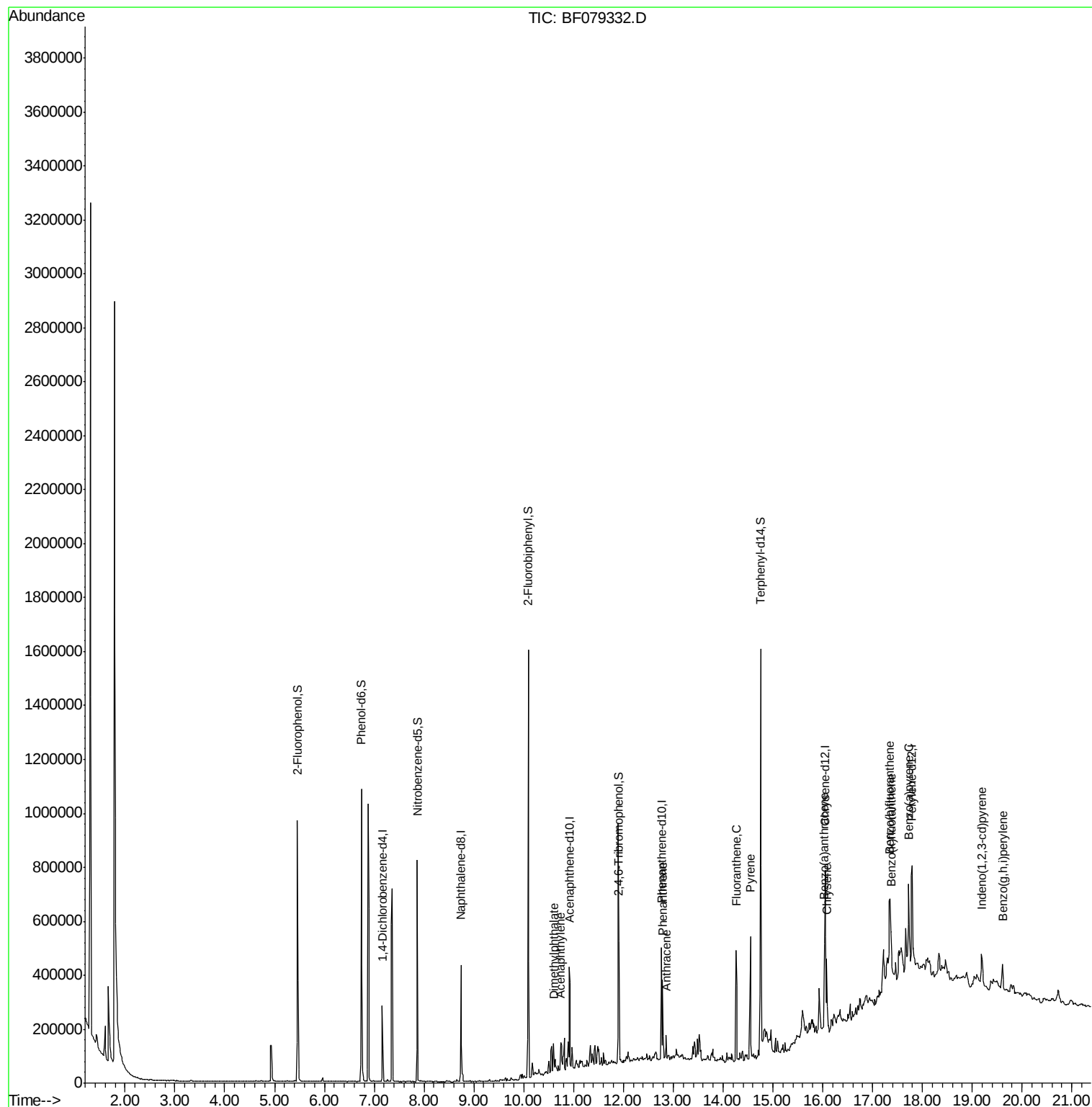
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	47913	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	203584	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	103576	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	196319	20.00	ng	0.01
75) Chrysene-d12	16.05	240	200510	20.00	ng	-0.01
86) Perylene-d12	17.79	264	211936	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	315214m	113.25	ng	0.01
7) Phenol-d6	6.74	99	411172	111.76	ng	0.00
23) Nitrobenzene-d5	7.86	82	245497	69.30	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	132009	117.81	ng	0.01
44) 2-Fluorobiphenyl	10.09	172	503054	67.67	ng	0.00
78) Terphenyl-d14	14.75	244	567875	67.81	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.74	152	29928	2.84	ng	98
49) Dimethylphthalate	10.61	163	62440	8.21	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
77) Pyrene	14.55	202	205818	17.81	ng	99
80) Benzo(a)anthracene	16.03	228	130537m	11.89	ng	
82) Chrysene	16.08	228	115189	10.91	ng	98
85) Indeno(1,2,3-cd)pyrene	19.19	276	88977	6.61	ng	# 92
87) Benzo(b)fluoranthene	17.35	252	163132m	14.06	ng	
88) Benzo(k)fluoranthene	17.37	252	57246m	5.10	ng	
89) Benzo(a)pyrene	17.73	252	123214	11.54	ng	# 96
91) Benzo(a,h,i)perylene	19.61	276	87763	7.71	ng	94

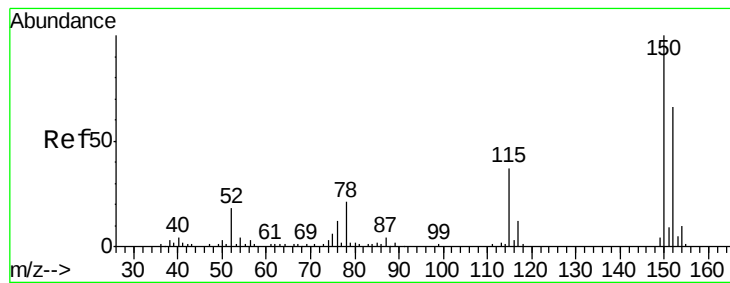
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.16 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

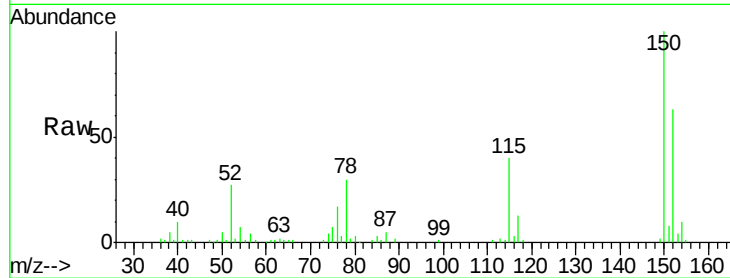
Tot Ion:152 Resp: 47913

Ion Ratio Lower Upper

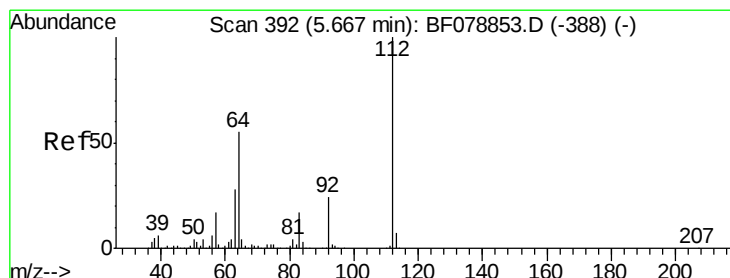
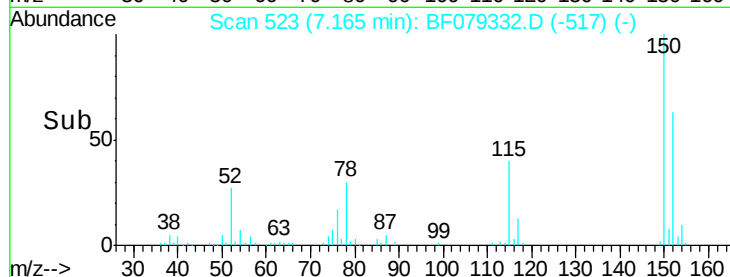
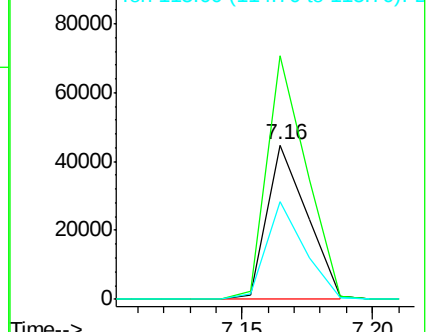
152 100

150 158.0 123.8 185.8

115 63.7 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: 113.25 ng m

RT: 5.46 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

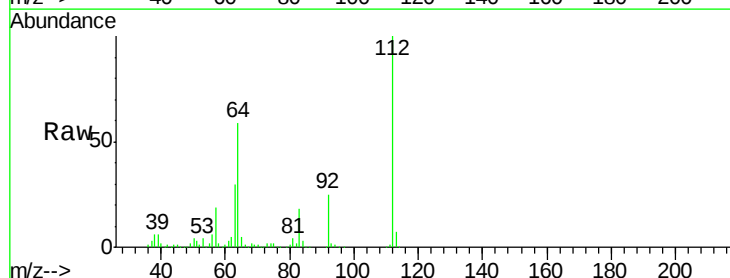
Tgt Ion:112 Resp: 315214

Ion Ratio Lower Upper

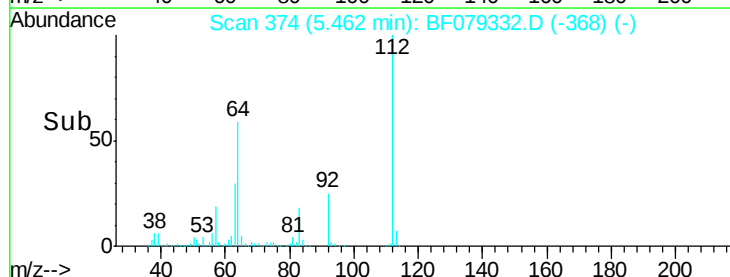
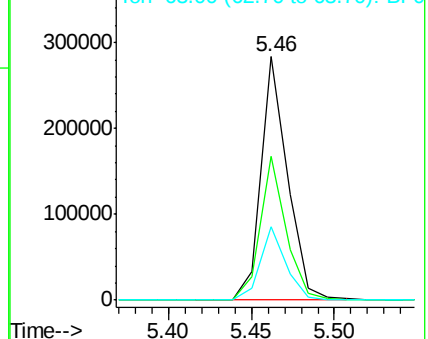
112 100

64 59.1 44.2 66.2

63 30.2 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.76 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

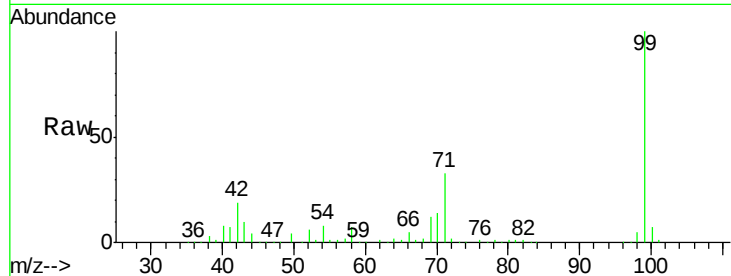
Tot Ion: 99 Resp: 411172

Ion Ratio Lower Upper

99 100

42 19.0 17.1 25.7

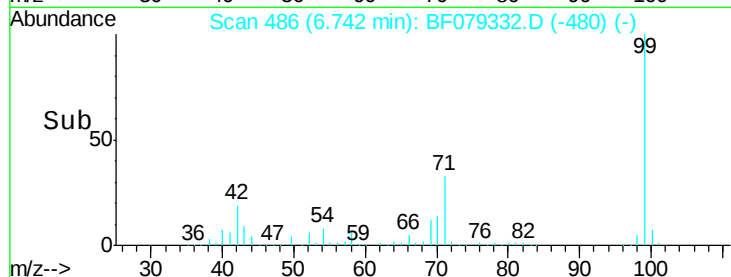
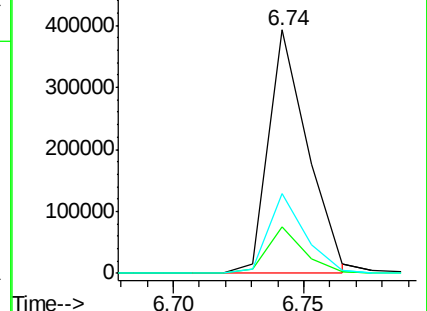
71 32.8 26.3 39.5



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: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Tgt Ion: 136 Resp: 203584

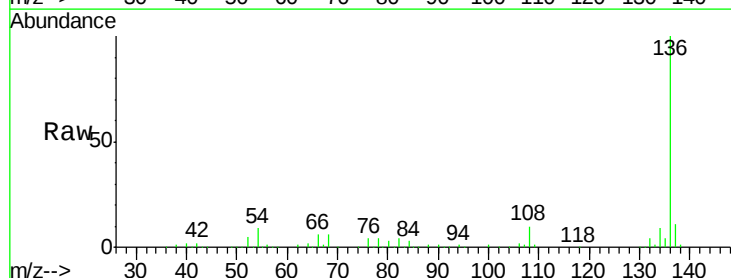
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 8.7 6.9 10.3

68 6.2 4.9 7.3

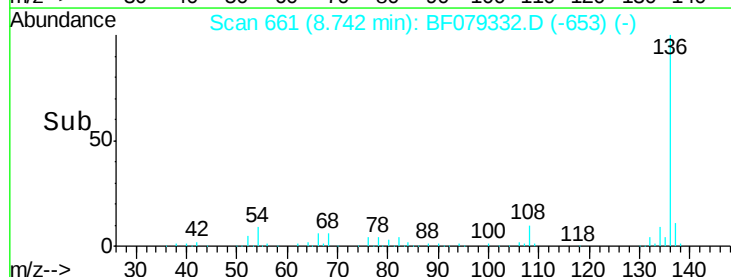
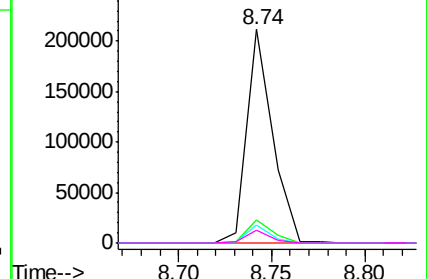


Abundance Ion 136.00 (135.70 to 136.70): E

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

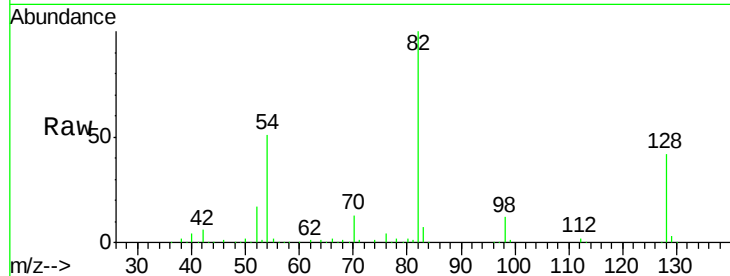




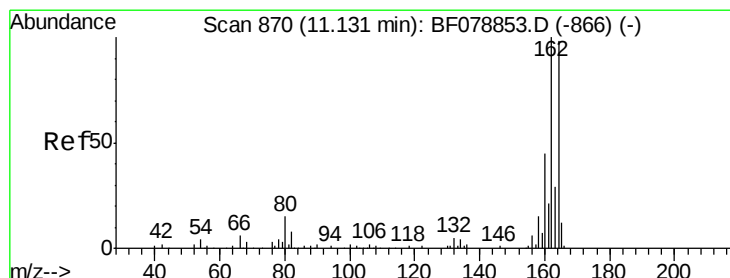
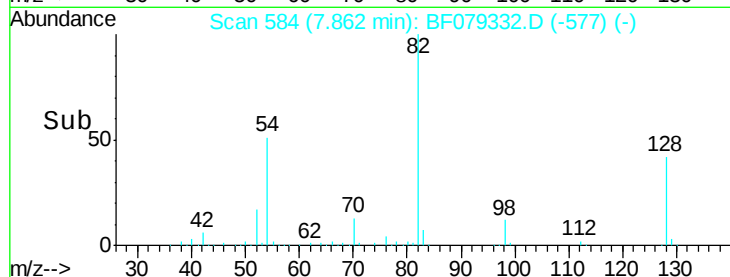
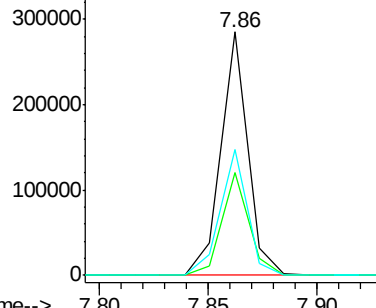
#23
 Nitrobenzene-d5
 Concen: 69.30 ng
 RT: 7.86 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-D1

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

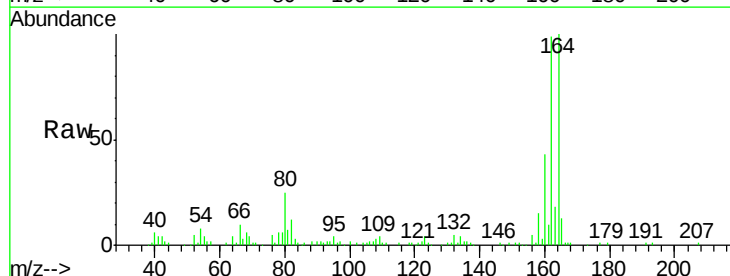


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

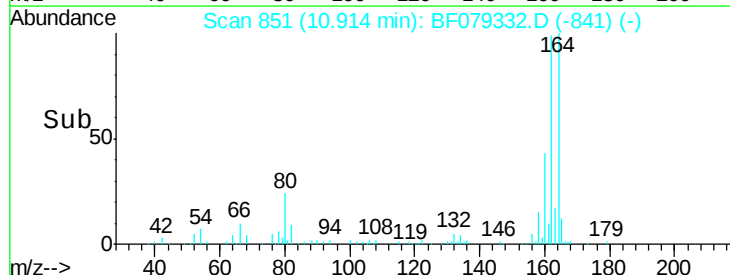
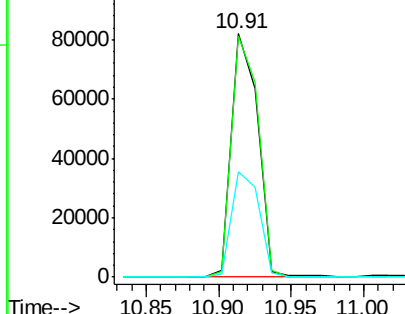


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Tgt Ion	164	Resp	103576
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

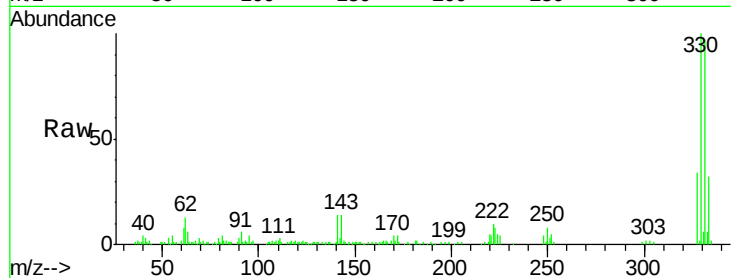




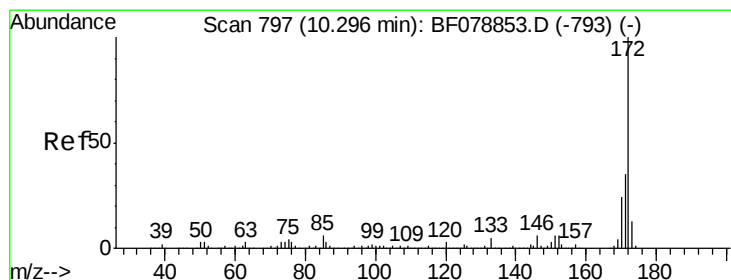
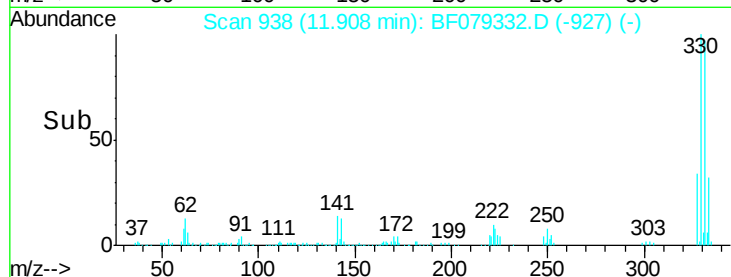
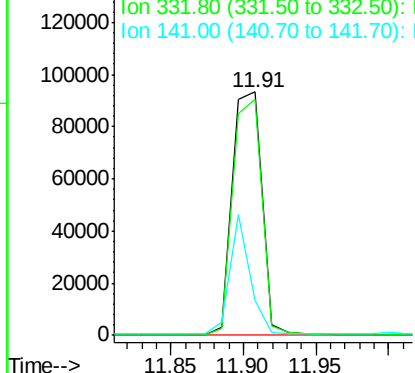
#41
 2,4,6-Tribromophenol
 Concen: 117.81 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-D1

Tot Ion:330 Resp: 132009
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.9 115.3
 141 33.8 27.8 41.8

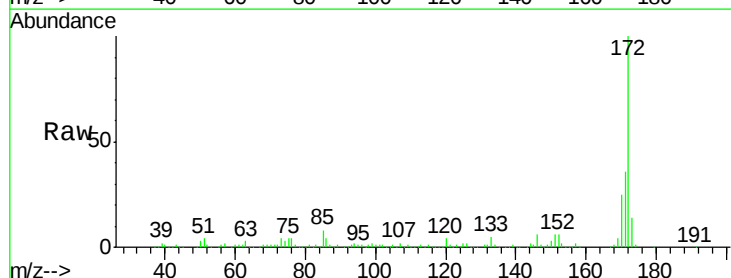


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

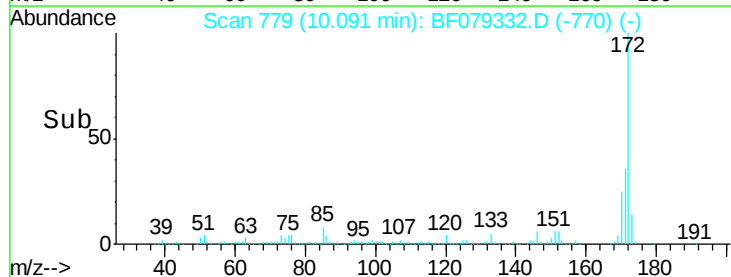
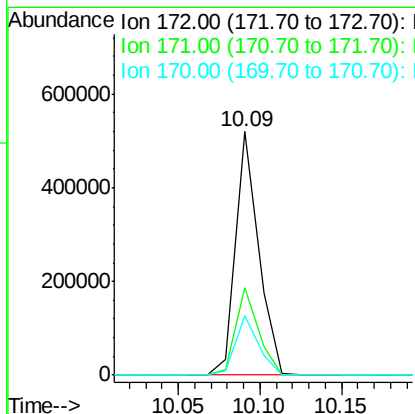


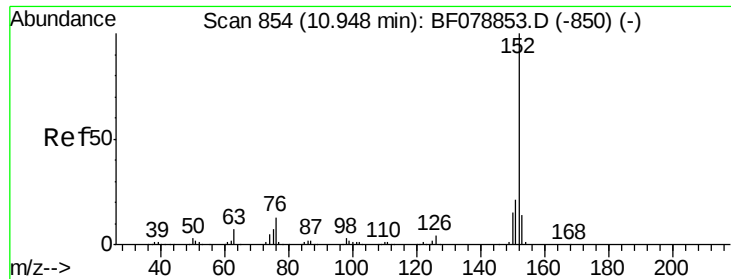
#44
 2-Fluorobiphenyl
 Concen: 67.67 ng
 RT: 10.09 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

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



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.84 ng

RT: 10.74 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

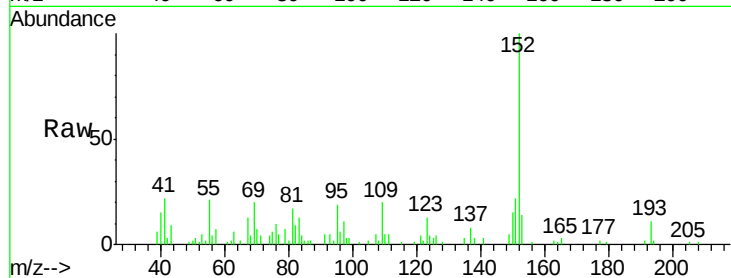
Tot Ion:152 Resp: 29928

Ion Ratio Lower Upper

152 100

151 22.0 16.6 24.8

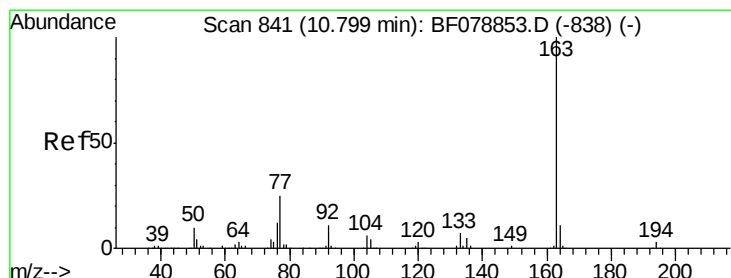
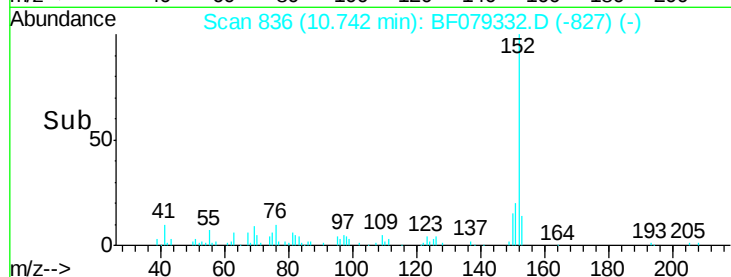
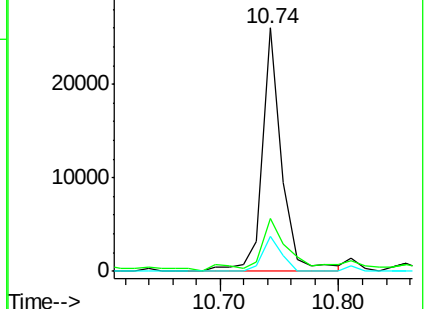
153 14.2 11.0 16.6



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: 8.21 ng

RT: 10.61 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

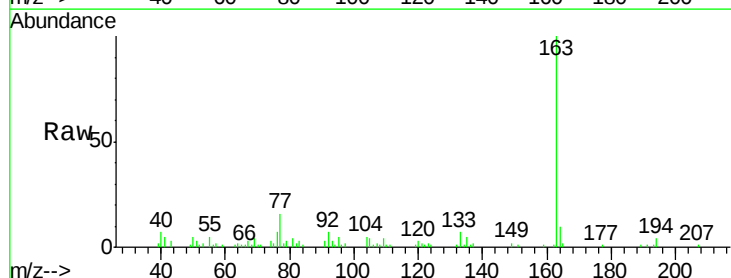
Tgt Ion:163 Resp: 62440

Ion Ratio Lower Upper

163 100

194 4.0 2.4 3.6#

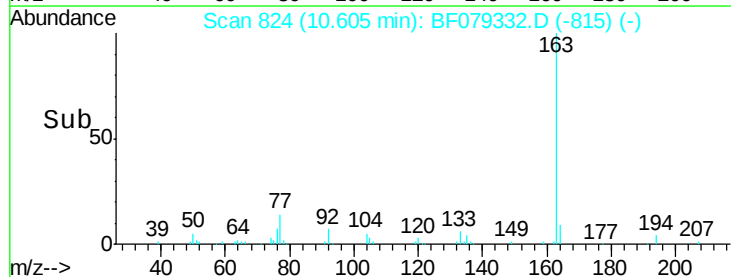
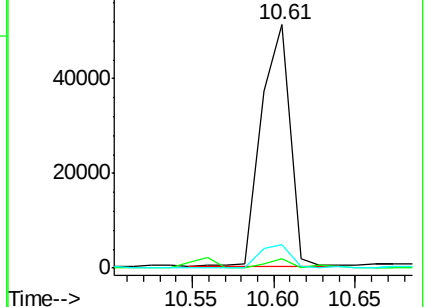
164 9.6 8.6 12.8

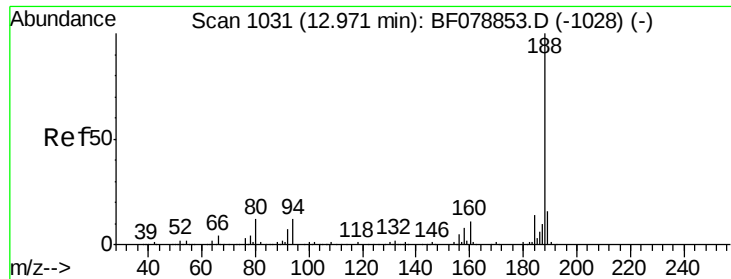


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

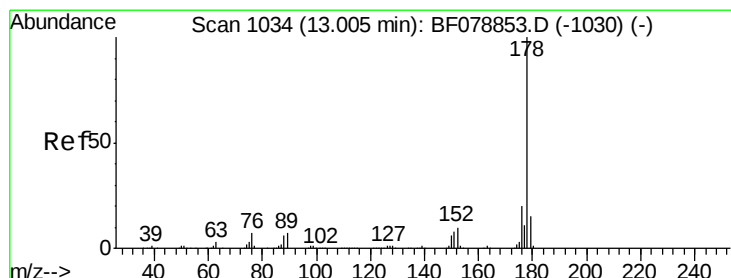
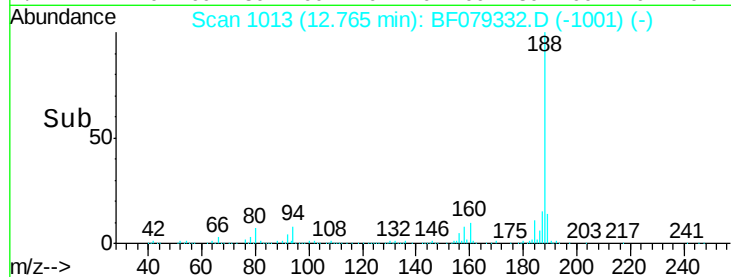
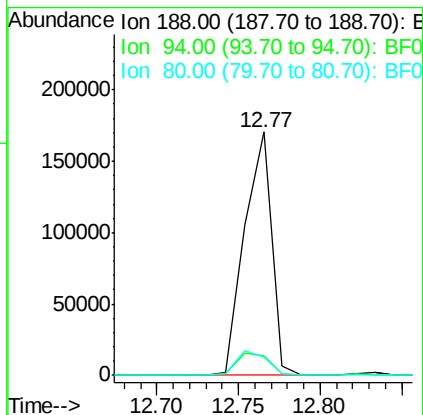
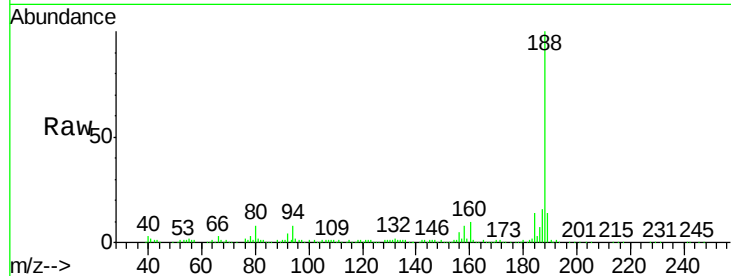




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

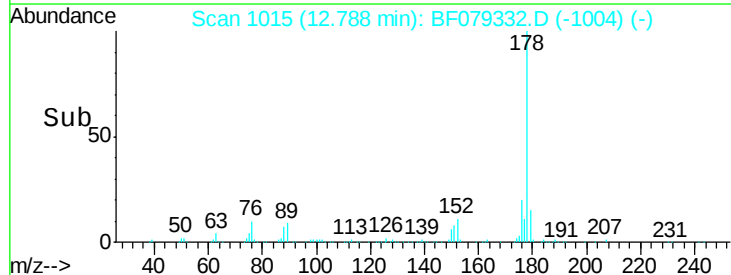
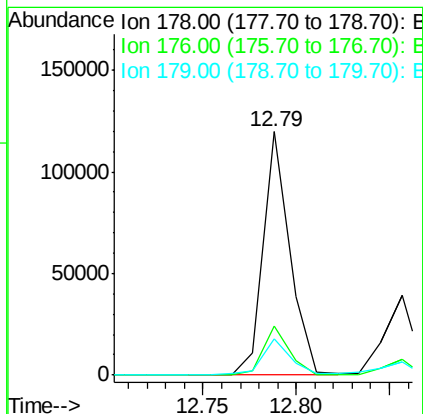
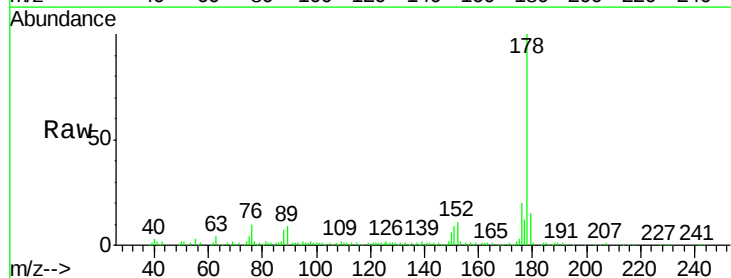
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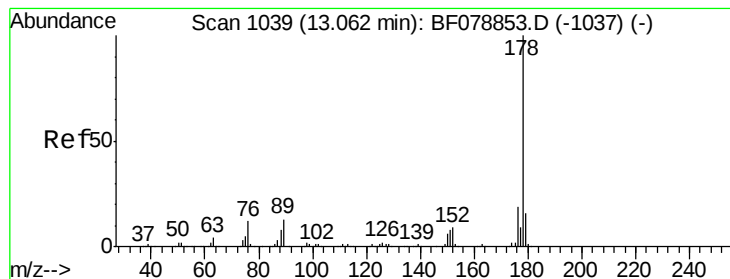
Tot Ion:188 Resp: 196319
Ion Ratio Lower Upper
188 100
94 8.0 9.4 14.0#
80 7.8 9.8 14.6#



#70
Phenanthrene
Concen: 10.60 ng
RT: 12.79 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

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





#71

Anthracene

Concen: 3.69 ng

RT: 12.86 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

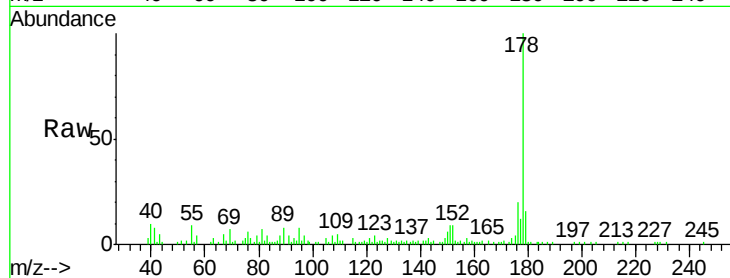
Tot Ion:178 Resp: 39720

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

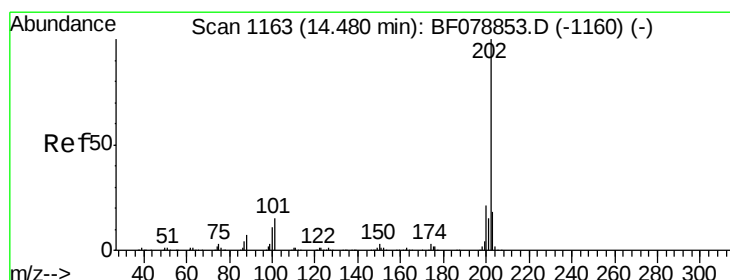
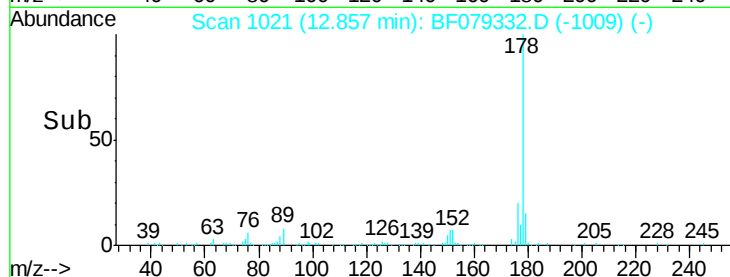
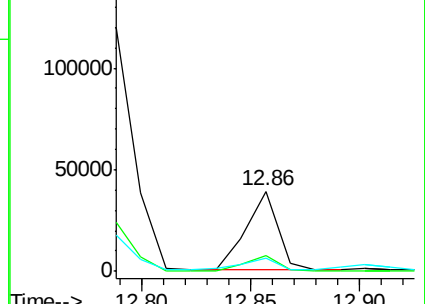
179 15.8 12.6 19.0



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. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

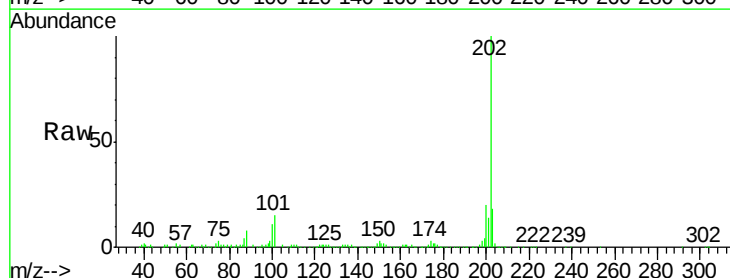
Tgt Ion:202 Resp: 217322

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.7

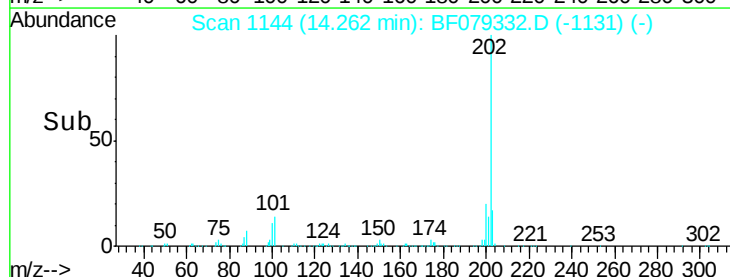
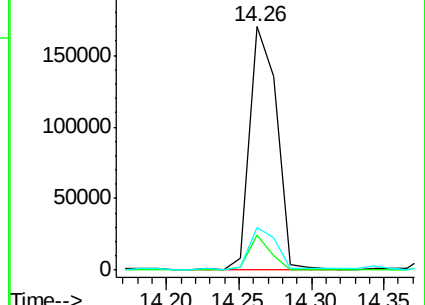
203 17.8 0.0 37.9

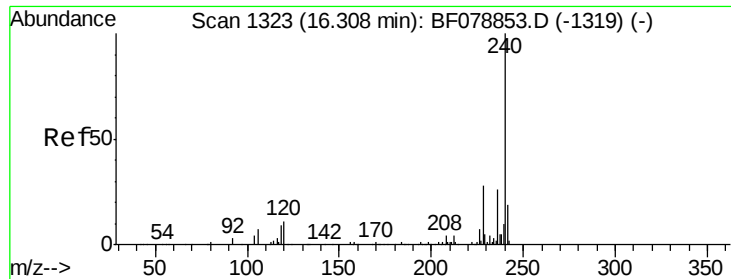


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.05 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

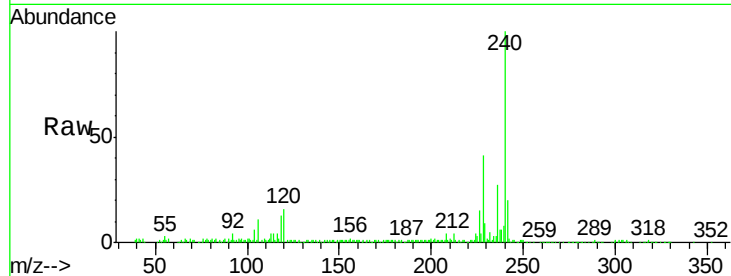
Tot Ion:240 Resp: 200510

Ion Ratio Lower Upper

240 100

120 15.6 8.6 12.8#

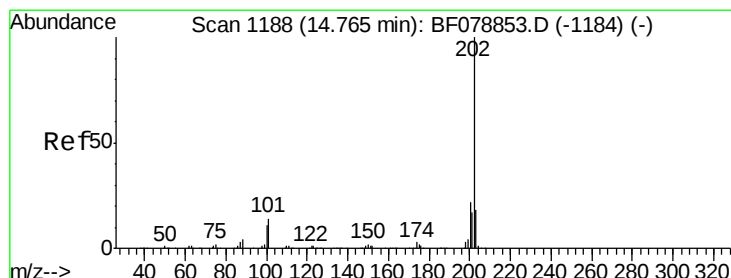
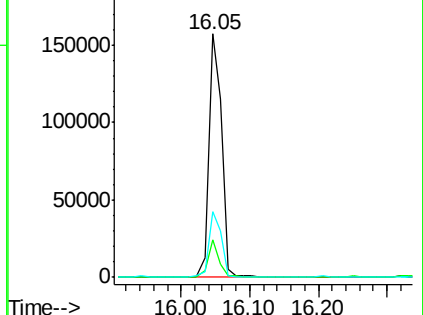
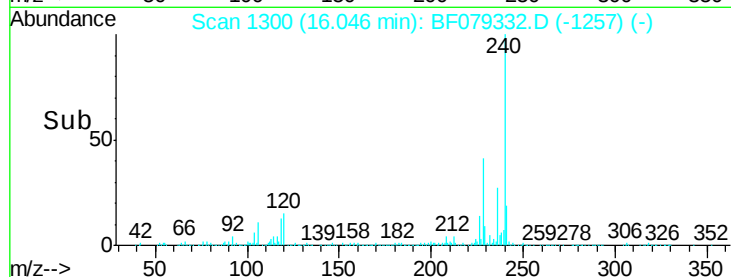
236 26.9 21.0 31.6



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



#77

Pyrene

Concen: 17.81 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

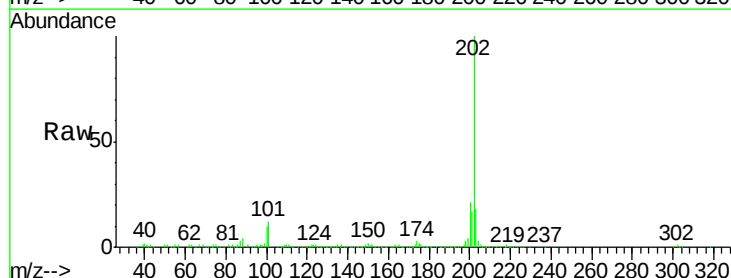
Tgt Ion:202 Resp: 205818

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

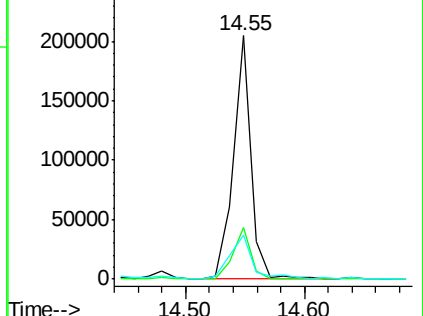
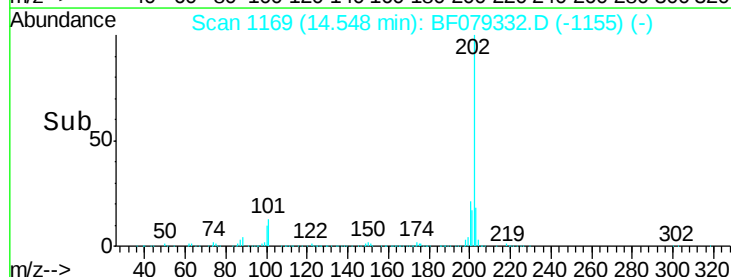
203 18.1 14.7 22.1

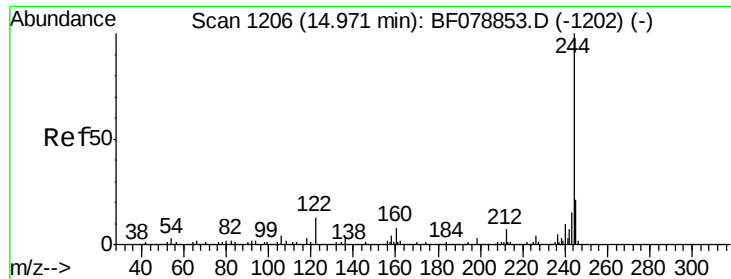


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.81 ng

RT: 14.75 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

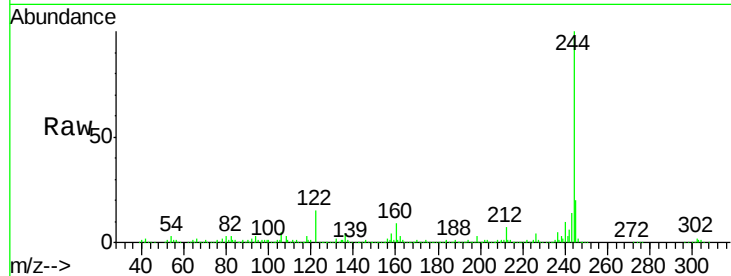
Tot Ion:244 Resp: 567875

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

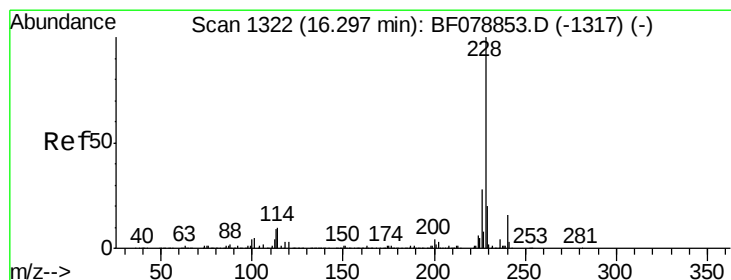
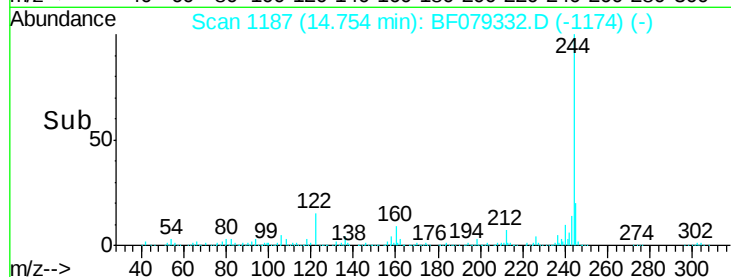
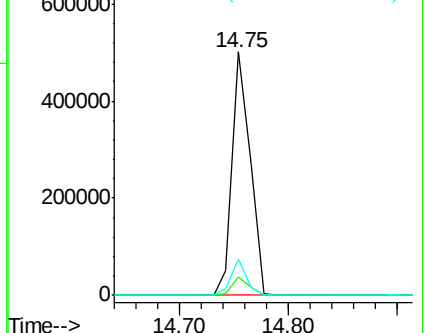
122 14.8 10.5 15.7



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



#80

Benzo(a)anthracene

Concen: 11.89 ng m

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

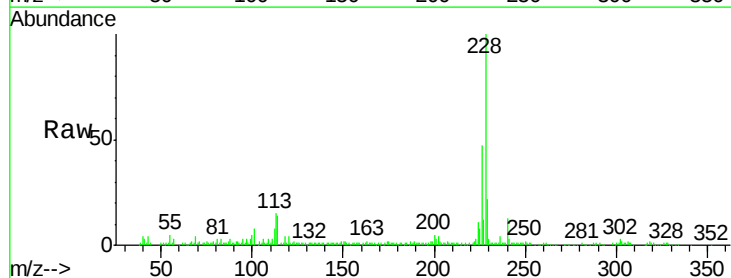
Tgt Ion:228 Resp: 130537

Ion Ratio Lower Upper

228 100

226 46.6 22.3 33.5#

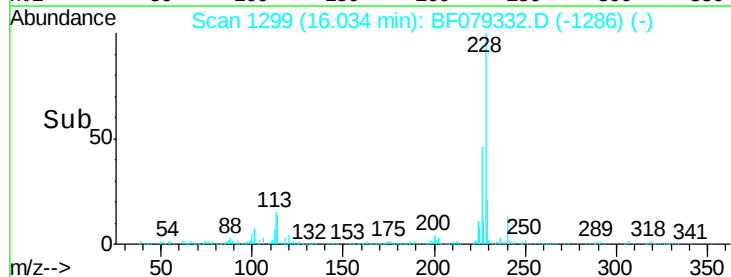
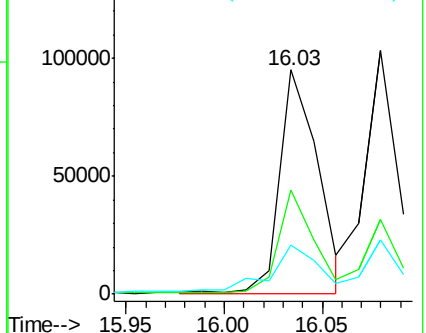
229 22.2 16.1 24.1

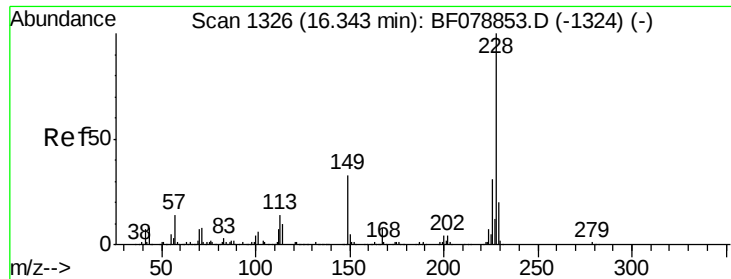


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.91 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

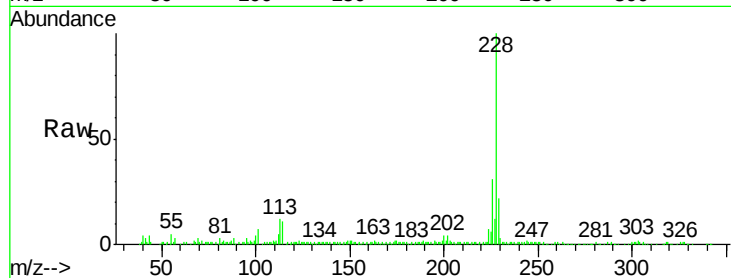
Tot Ion:228 Resp: 115189

Ion Ratio Lower Upper

228 100

226 30.6 24.8 37.2

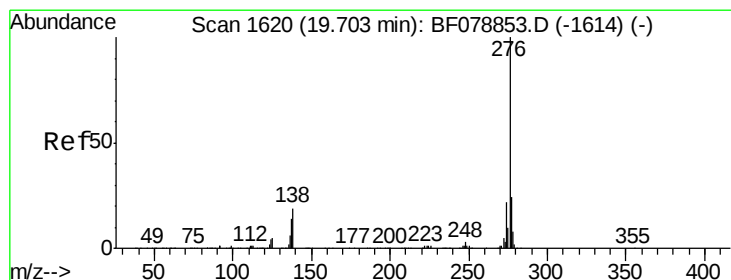
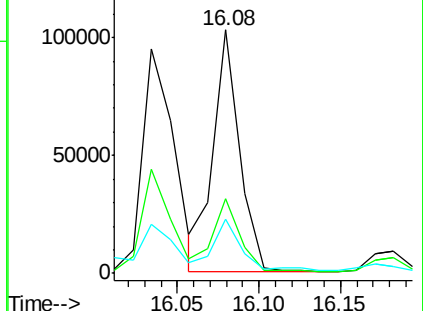
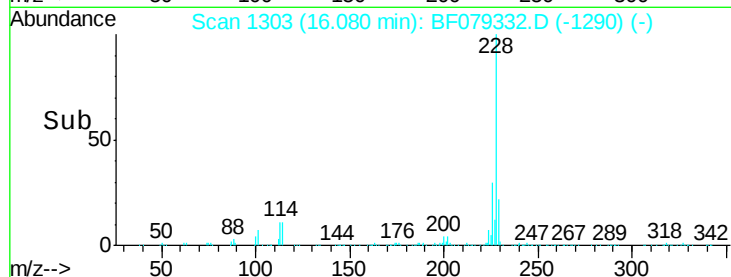
229 22.2 16.1 24.1



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.61 ng

RT: 19.19 min Scan# 1575

Delta R.T. -0.08 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

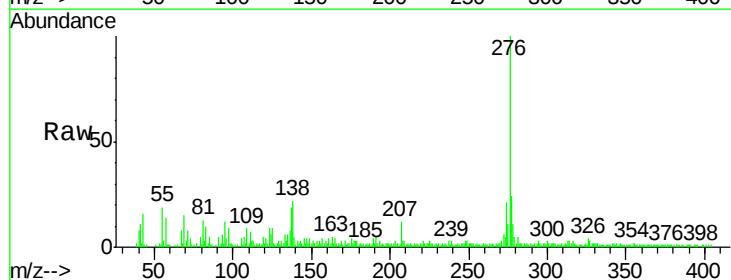
Tgt Ion:276 Resp: 88977

Ion Ratio Lower Upper

276 100

138 21.0 21.1 31.7#

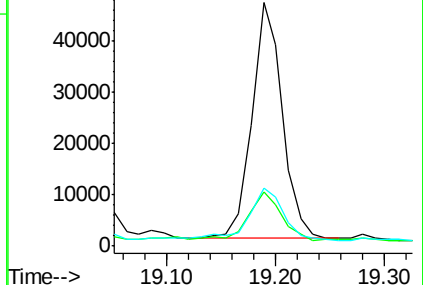
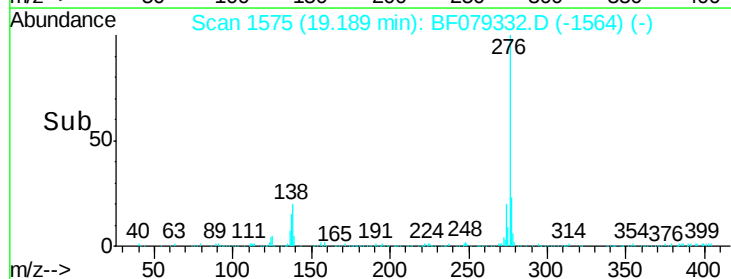
277 27.9 19.9 29.9

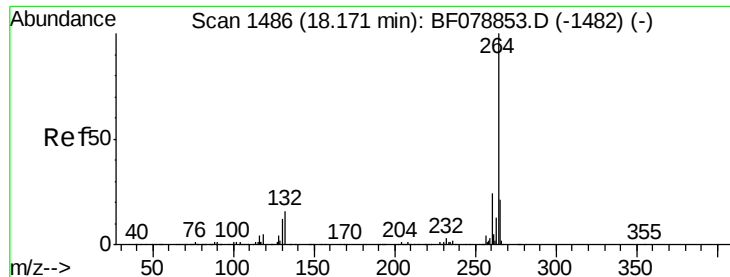


Abundance Ion 276.00 (275.70 to 276.70): E

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: 17.79 min Scan# 1453

Delta R.T. -0.06 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

Instrument :

BNA_F

ClientSampleId :

WC-02-D1

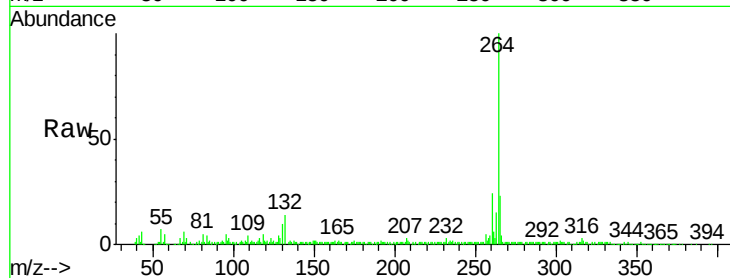
Tot Ion:264 Resp: 211936

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

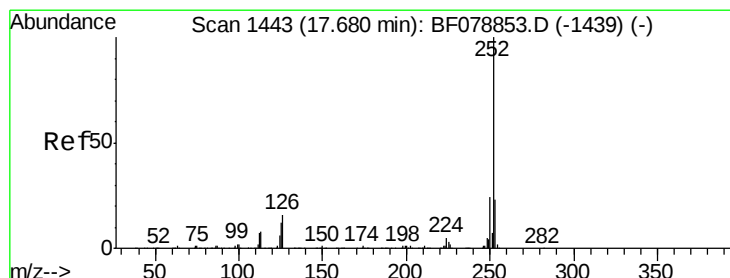
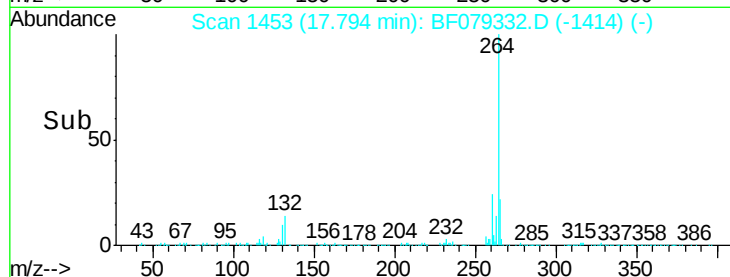
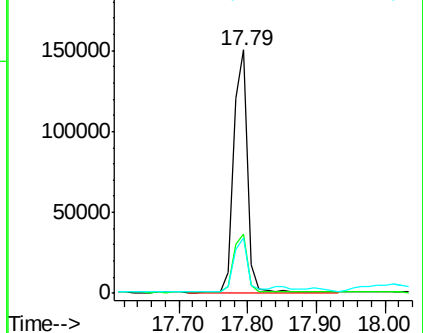
265 22.5 17.2 25.8



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: 14.06 ng m

RT: 17.35 min Scan# 1414

Delta R.T. -0.05 min

Lab File: BF079332.D

Acq: 19 May 2015 4:55

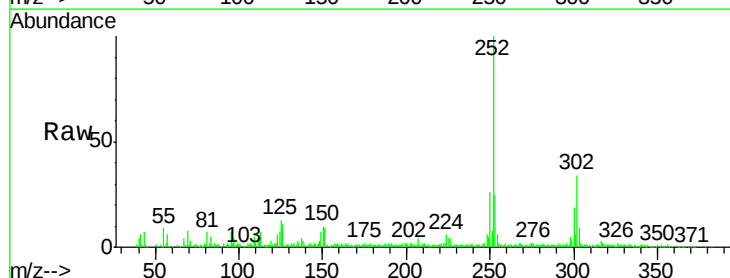
Tgt Ion:252 Resp: 163132

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

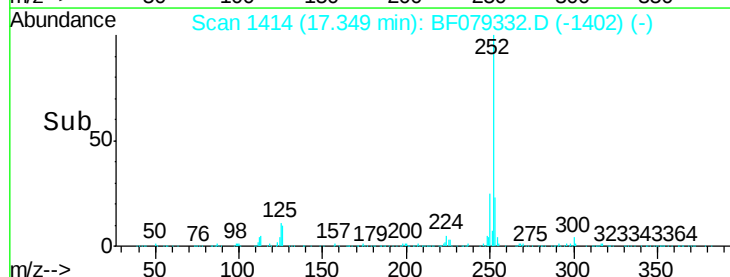
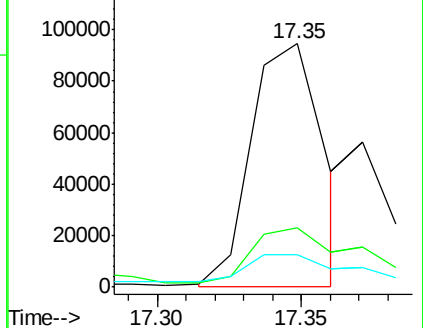
125 13.2 9.4 14.2

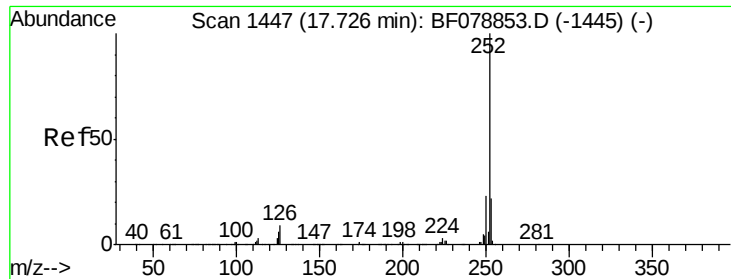


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

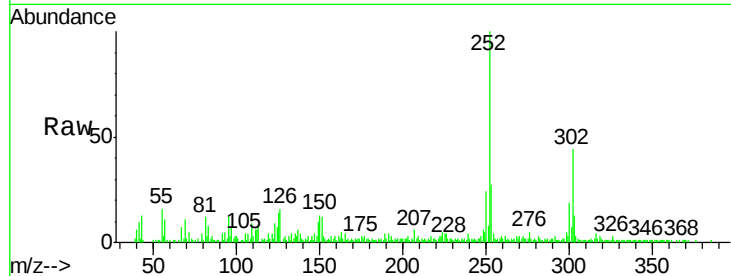




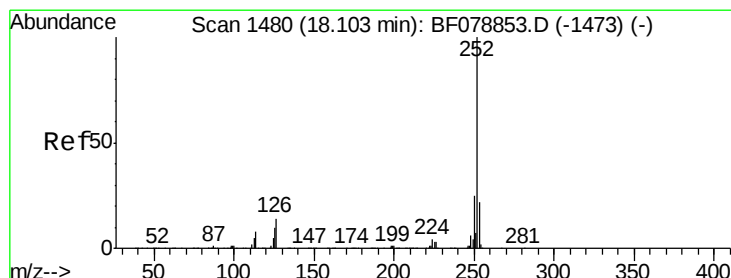
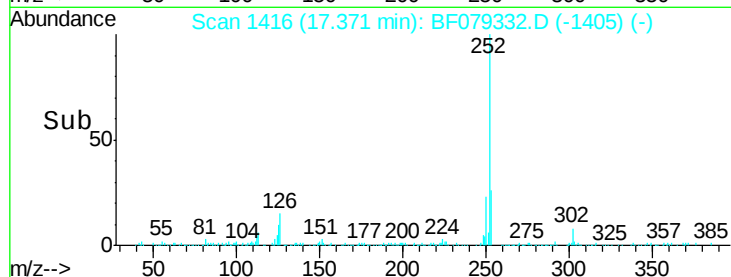
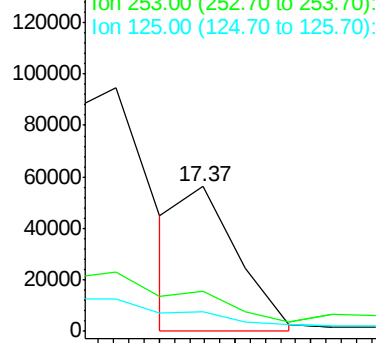
#88
Benzo(k)fluoranthene
Concen: 5.10 ng m
RT: 17.37 min Scan# 1416
Delta R.T. -0.06 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

Instrument :
BNA_F
ClientSampleId :
WC-02-D1

Tot Ion:252 Resp: 57246
Ion Ratio Lower Upper
252 100
253 27.5 17.4 26.0#
125 14.0 6.1 9.1#

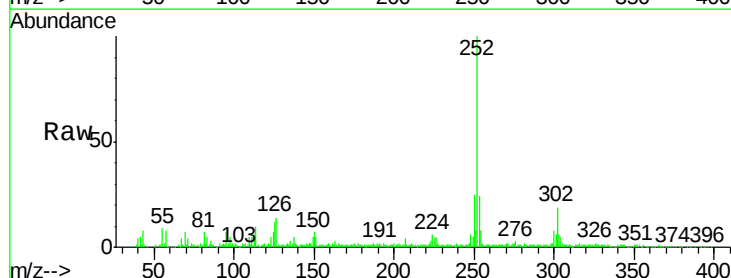


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

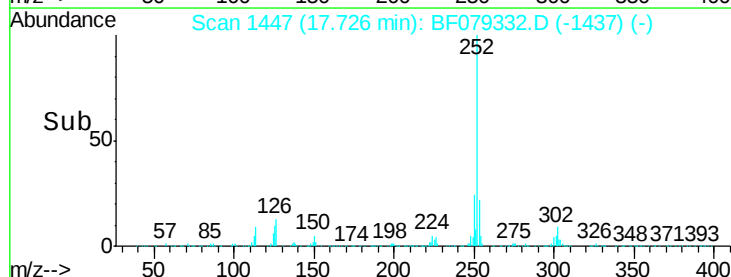
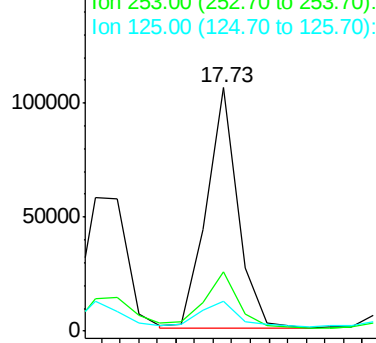


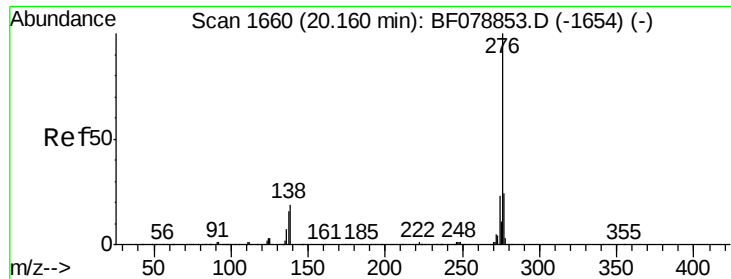
#89
Benzo(a)pyrene
Concen: 11.54 ng
RT: 17.73 min Scan# 1447
Delta R.T. -0.07 min
Lab File: BF079332.D
Acq: 19 May 2015 4:55

Tgt Ion:252 Resp: 123214
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 12.3 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

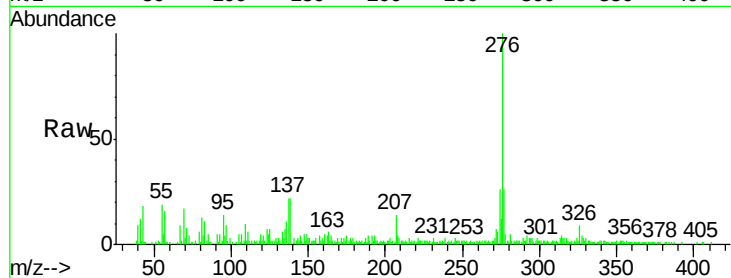




#91
 Benzo(a,h,i)perylene
 Concen: 7.71 ng
 RT: 19.61 min Scan# 1612
 Delta R.T. -0.08 min
 Lab File: BF079332.D
 Acq: 19 May 2015 4:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-D1

Tot Ion:	276	Resp:	87763
Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	22.4	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

