

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
 Data File : BF079245.D
 Acq On : 14 May 2015 21:34
 Operator : TP/IZ
 Sample : G2246-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09

Quant Time: May 15 03:36:57 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 02:17:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	44829	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	187269	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	91288	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	174479	20.00	ng	0.00
75) Chrysene-d12	16.11	240	186628	20.00	ng	-0.13
86) Perylene-d12	17.93	264	231045	20.00	ng	-0.37

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	153764m	59.04	ng	0.00
7) Phenol-d6	6.79	99	188201	54.67	ng	0.00
23) Nitrobenzene-d5	7.91	82	105857	32.49	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	51834	52.49	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	219548	33.51	ng	-0.01
78) Terphenyl-d14	14.81	244	258872	33.21	ng	-0.02

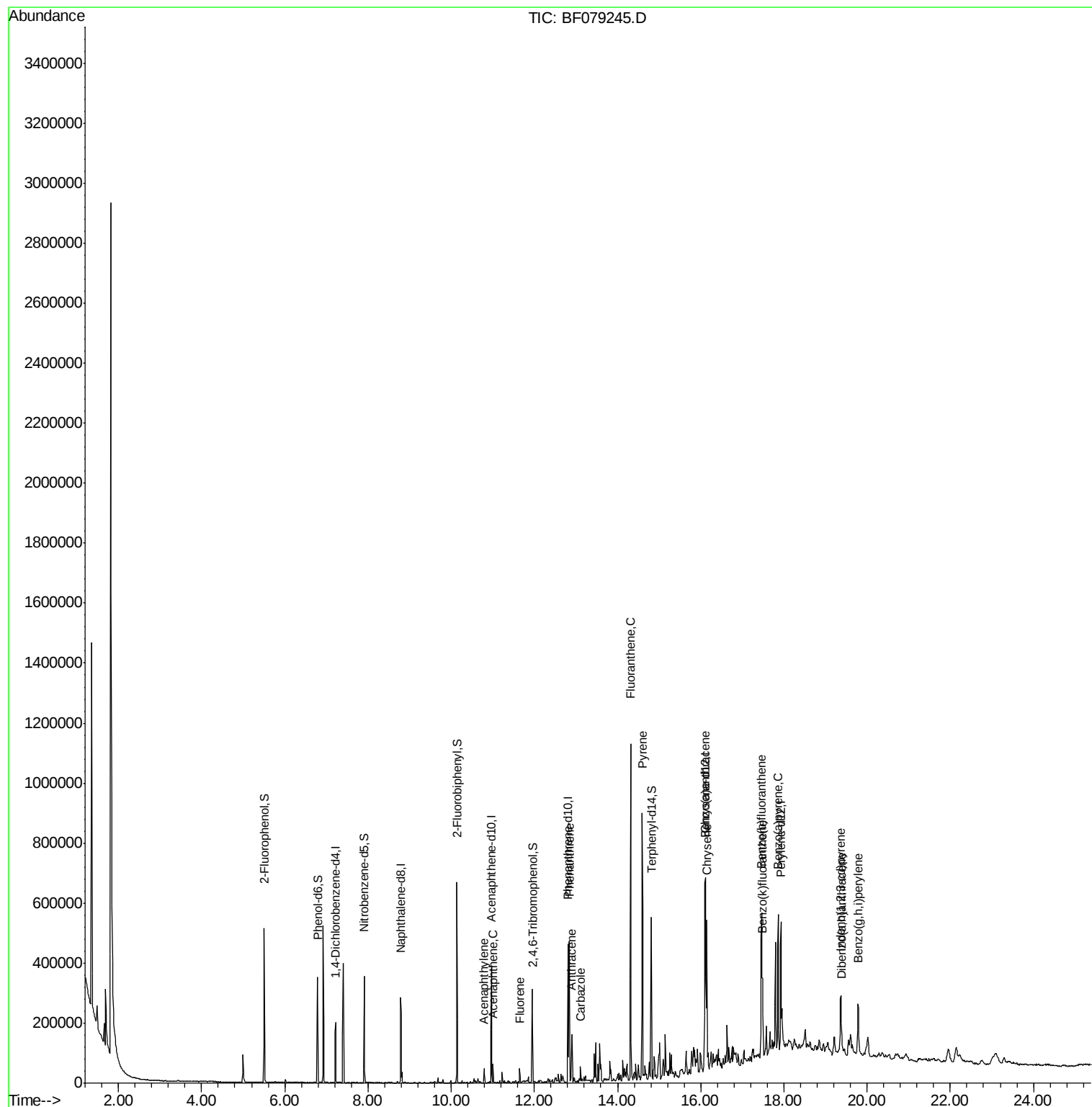
Target Compounds				Qvalue		
48) Acenaphthylene	10.79	152	27713	2.98	ng	97
51) Acenaphthene	11.00	154	15768	2.84	ng	99
57) Fluorene	11.64	166	15830	2.41	ng	97
70) Phenanthrene	12.85	178	263778	27.02	ng	99
71) Anthracene	12.90	178	65271	6.82	ng	99
72) Carbazole	13.11	167	23387	2.56	ng	99
74) Fluoranthene	14.32	202	479141	47.11	ng	97
77) Pyrene	14.59	202	454460m	42.26	ng	
80) Benzo(a)anthracene	16.10	228	247719m	24.24	ng	
82) Chrysene	16.15	228	206001	20.96	ng	97
85) Indeno(1,2,3-cd)pyrene	19.37	276	144189m	11.51	ng	
87) Benzo(b)fluoranthene	17.46	252	317453m	25.10	ng	
88) Benzo(k)fluoranthene	17.49	252	120740m	9.86	ng	
89) Benzo(a)pyrene	17.86	252	248883	21.37	ng	99
90) Dibenzo(a,h)anthracene	19.38	278	33400m	2.70	ng	
91) Benzo(g,h,i)perylene	19.79	276	138598	11.17	ng	96

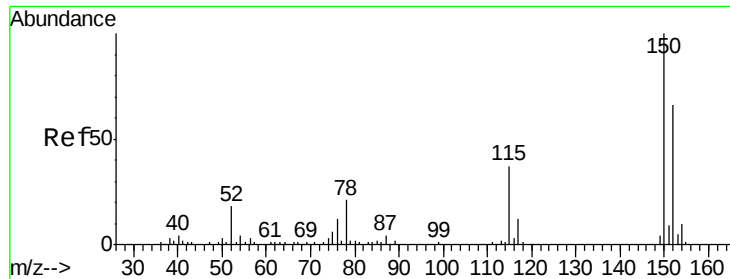
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.22 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleId :

SB-09

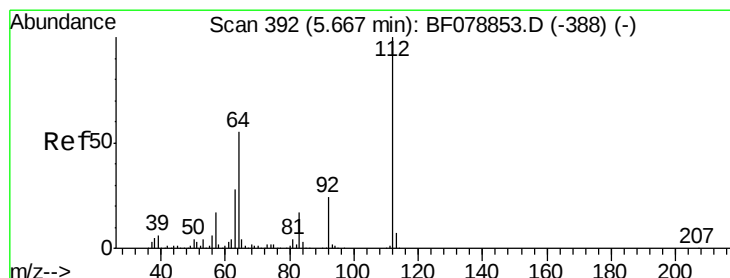
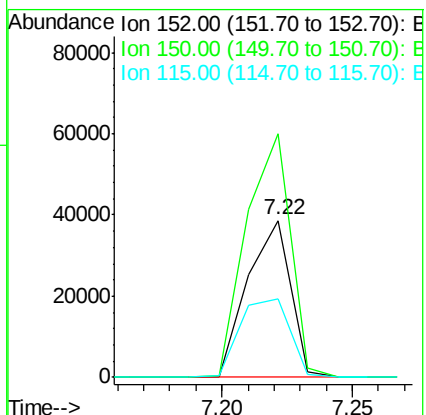
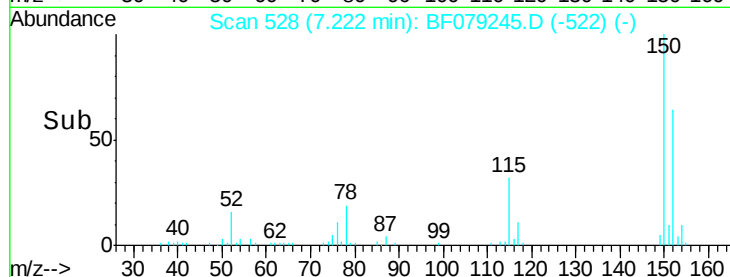
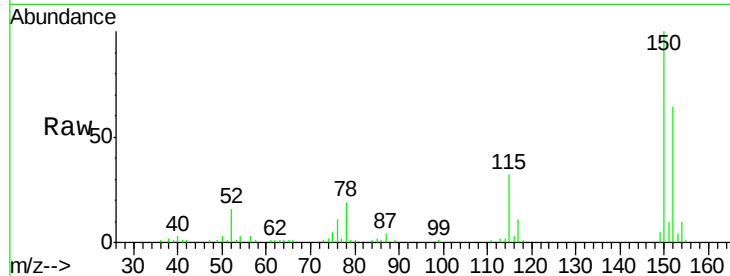
Tot Ion:152 Resp: 44829

Ion Ratio Lower Upper

152 100

150 155.3 123.8 185.8

115 49.8 49.4 74.0



#5

2-Fluorophenol

Concen: 59.04 ng m

RT: 5.51 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

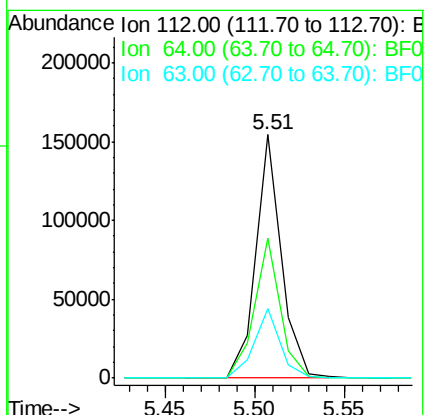
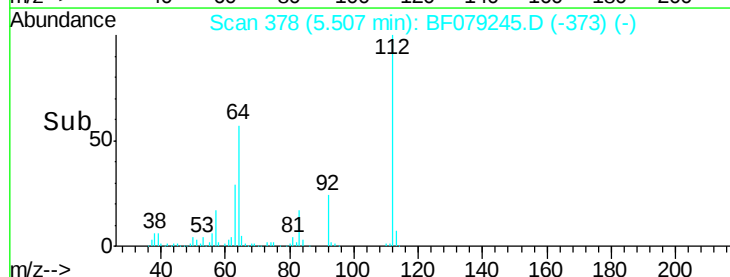
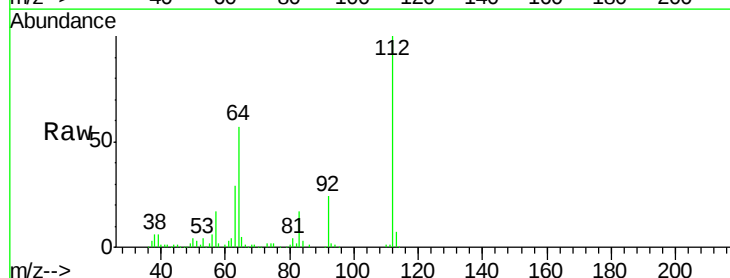
Tgt Ion:112 Resp: 153764

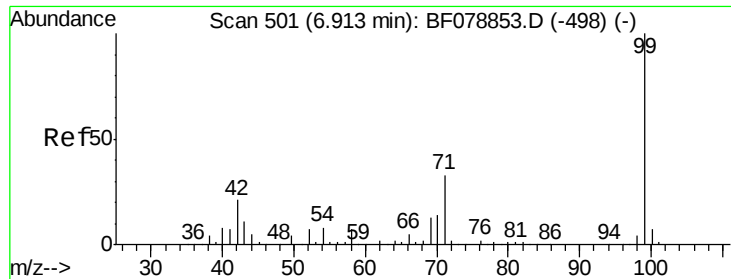
Ion Ratio Lower Upper

112 100

64 57.4 44.2 66.2

63 28.6 22.7 34.1





#7

Phenol-d6

Concen: 54.67 ng

RT: 6.79 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleId :

SB-09

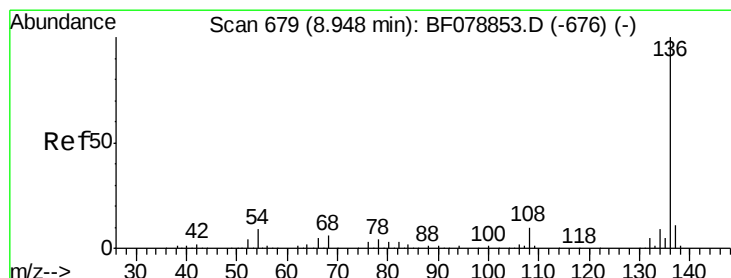
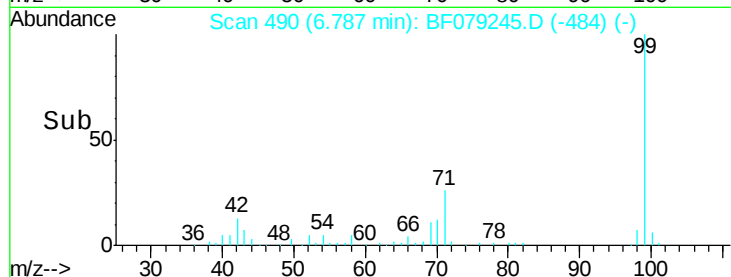
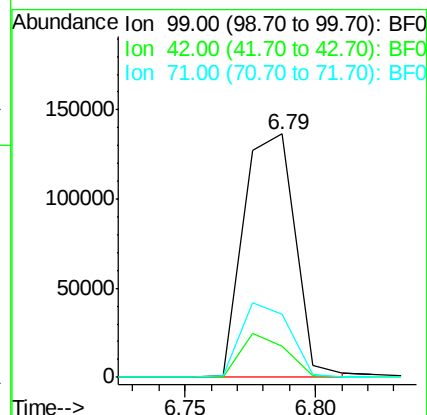
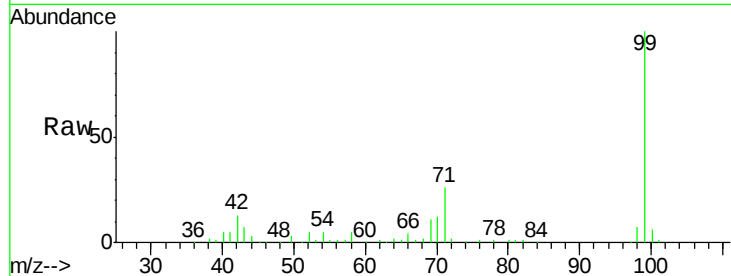
Tot Ion: 99 Resp: 188201

Ion Ratio Lower Upper

99 100

42 12.7 17.1 25.7#

71 26.1 26.3 39.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Tgt Ion: 136 Resp: 187269

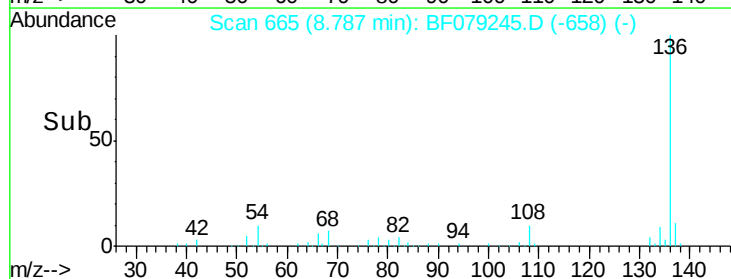
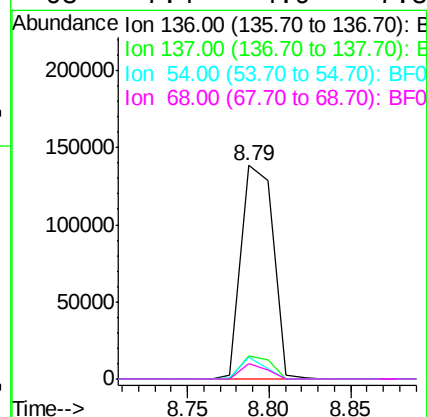
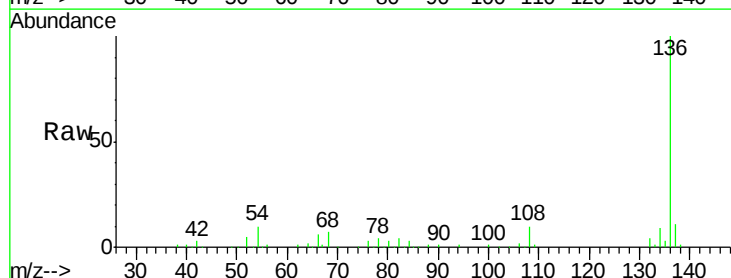
Ion Ratio Lower Upper

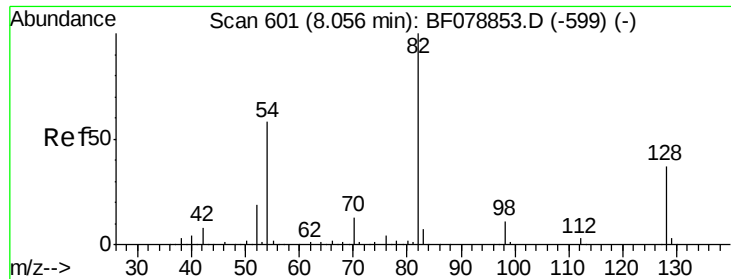
136 100

137 10.7 8.8 13.2

54 10.2 6.9 10.3

68 7.4 4.9 7.3#

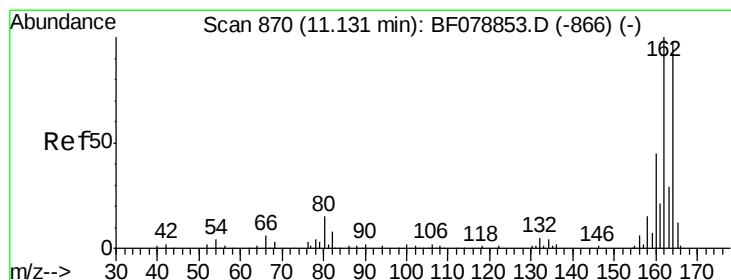
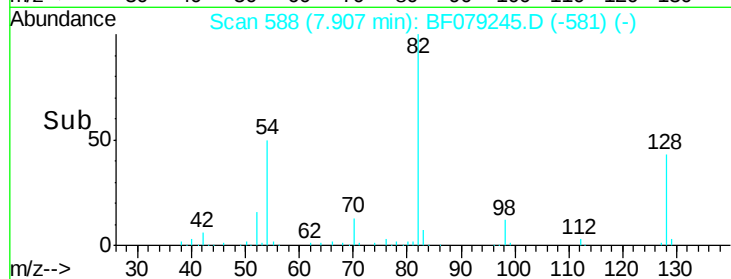
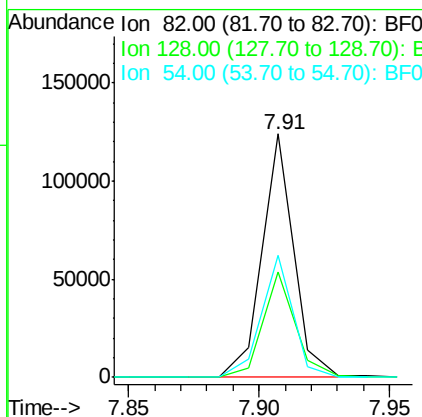
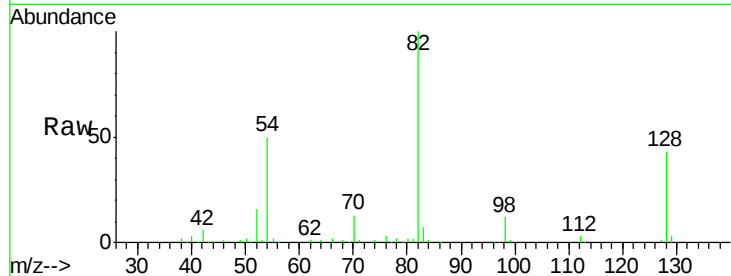




#23
 Nitrobenzene-d5
 Concen: 32.49 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: BF079245.D
 Acq: 14 May 2015 21:34

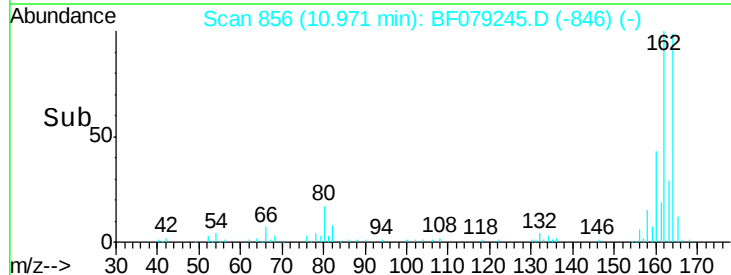
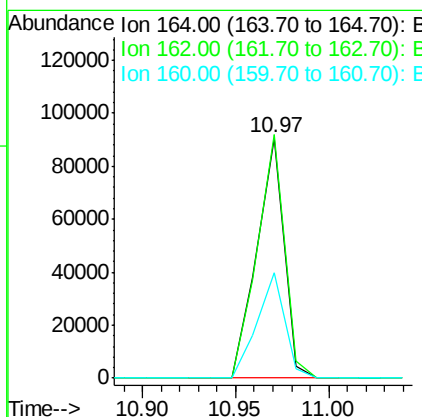
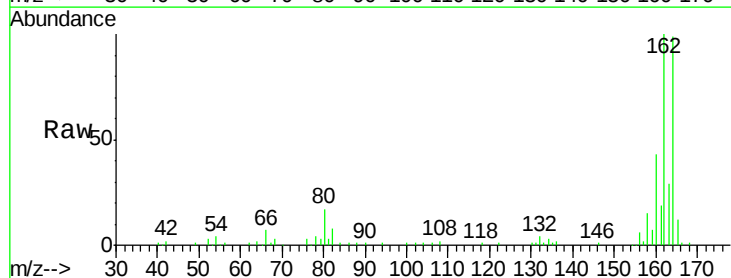
Instrument :
 BNA_F
 ClientSampleId :
 SB-09

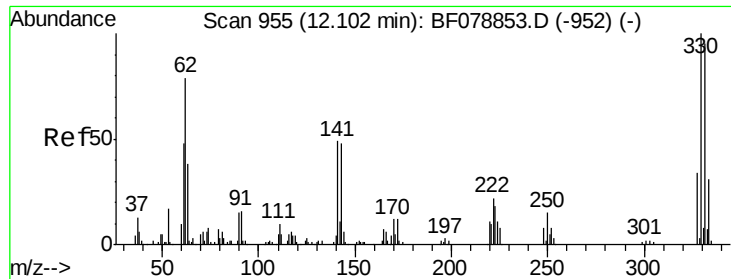
Tot Ion: 82 Resp: 105857
 Ion Ratio Lower Upper
 82 100
 128 43.5 29.7 44.5
 54 50.3 46.2 69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF079245.D
 Acq: 14 May 2015 21:34

Tgt Ion: 164 Resp: 91288
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.4 122.0
 160 44.0 36.6 54.8

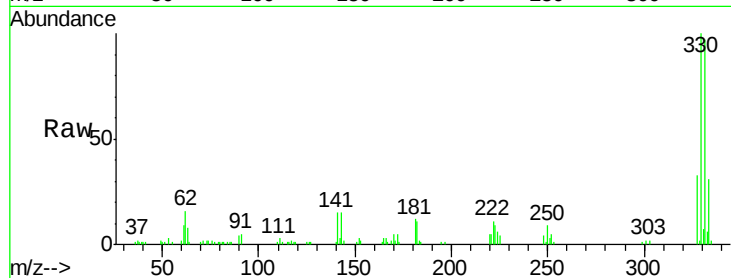




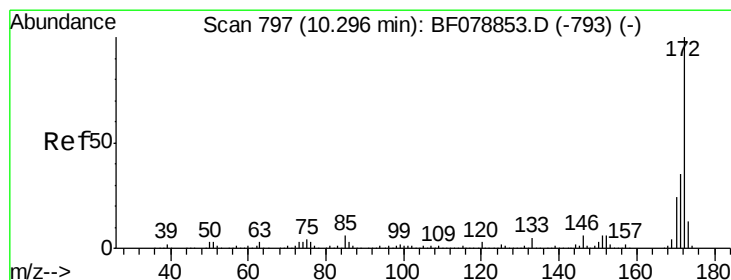
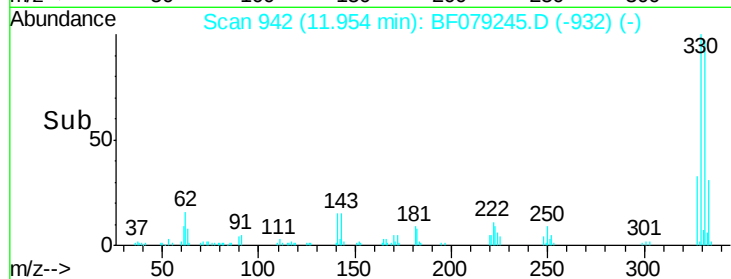
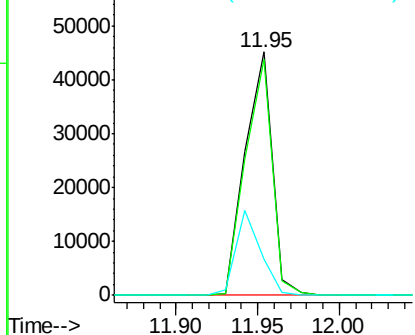
#41
 2,4,6-Tribromophenol
 Concen: 52.49 ng
 RT: 11.95 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF079245.D
 Acq: 14 May 2015 21:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-09

Tot Ion:330 Resp: 51834
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.9 115.3
 141 31.9 27.8 41.8

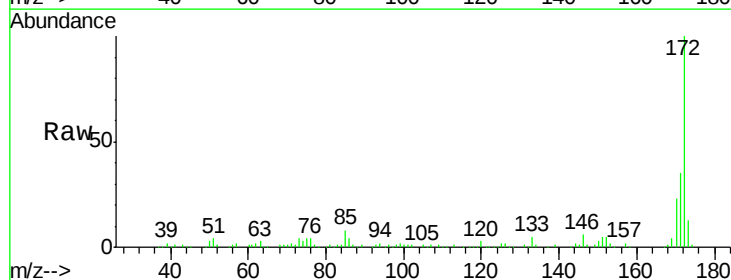


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

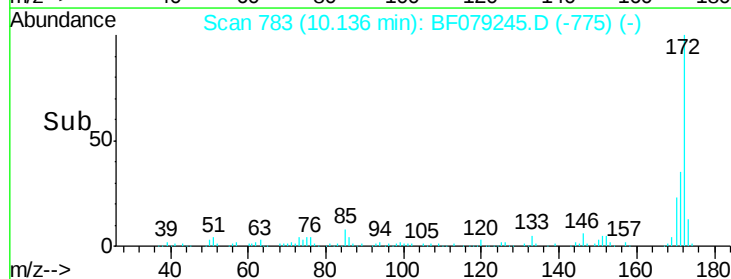
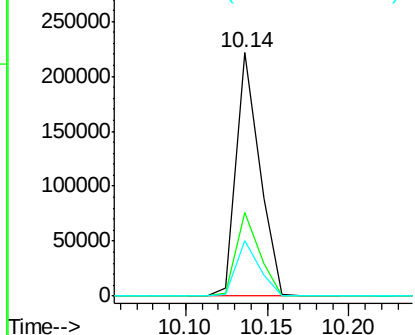


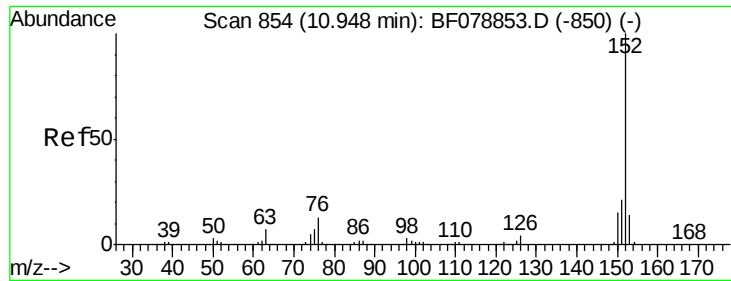
#44
 2-Fluorobiphenyl
 Concen: 33.51 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079245.D
 Acq: 14 May 2015 21:34

Tgt Ion:172 Resp: 219548
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.3 42.5
 170 23.0 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: 2.98 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleId :

SB-09

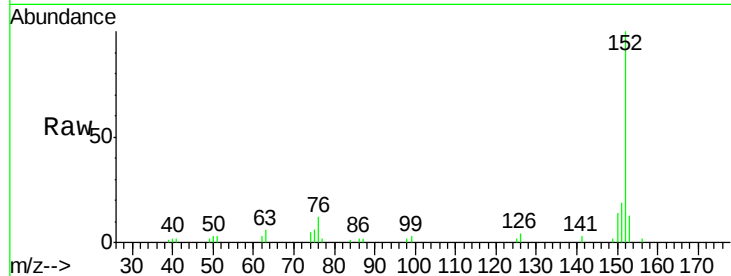
Tot Ion:152 Resp: 27713

Ion Ratio Lower Upper

152 100

151 19.1 16.6 24.8

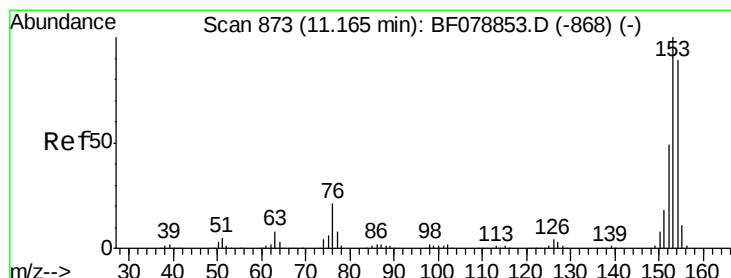
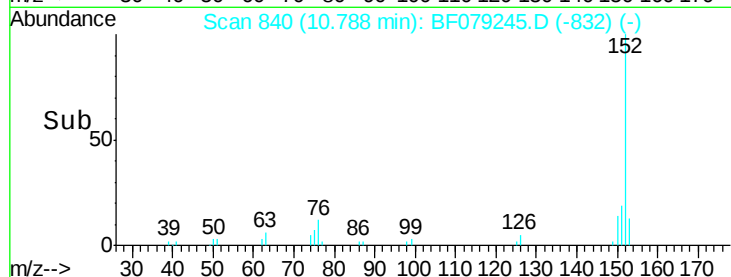
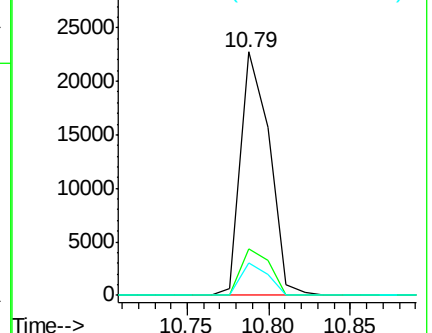
153 13.2 11.0 16.6



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



#51

Acenaphthene

Concen: 2.84 ng

RT: 11.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

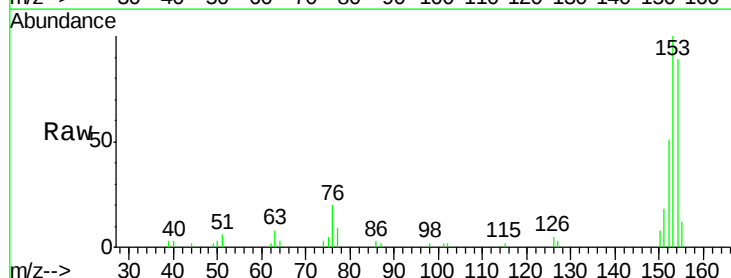
Tgt Ion:154 Resp: 15768

Ion Ratio Lower Upper

154 100

153 112.0 90.2 135.2

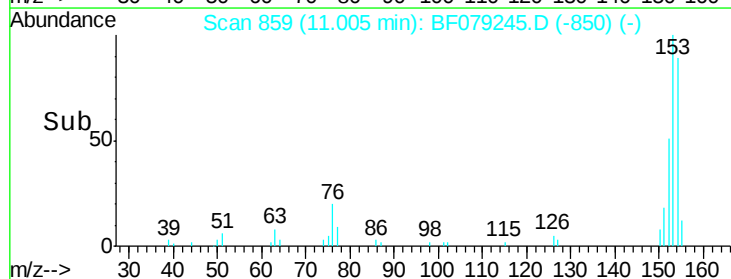
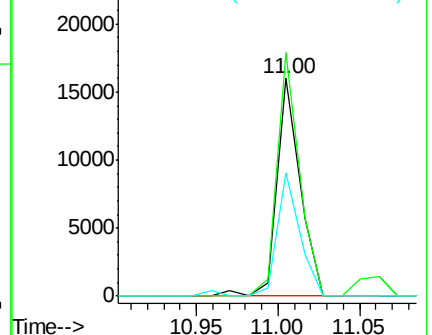
152 56.9 43.8 65.8

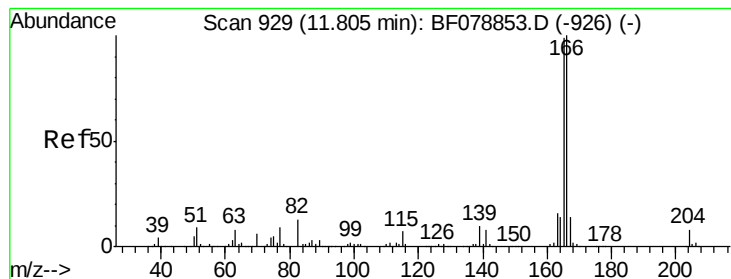


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 2.41 ng

RT: 11.64 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleId :

SB-09

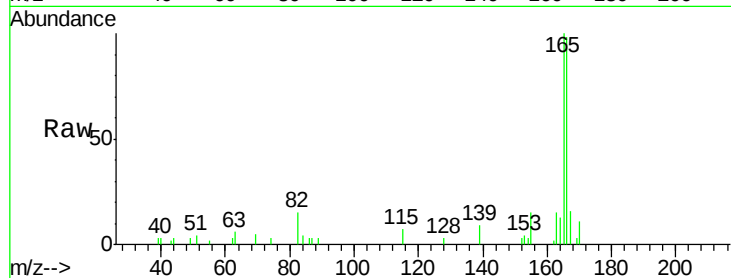
Tot Ion:166 Resp: 15830

Ion Ratio Lower Upper

166 100

165 102.5 79.5 119.3

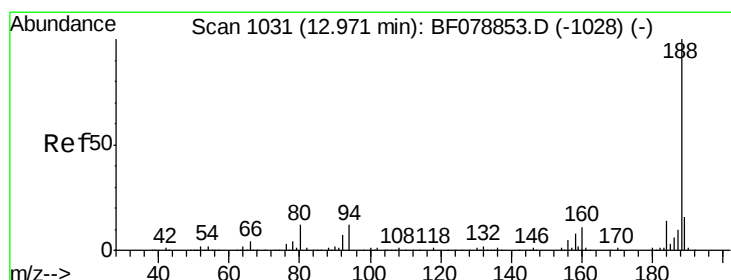
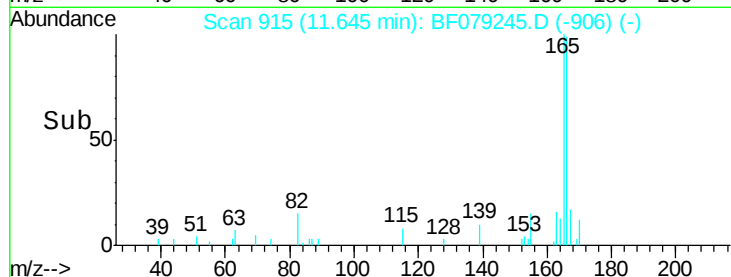
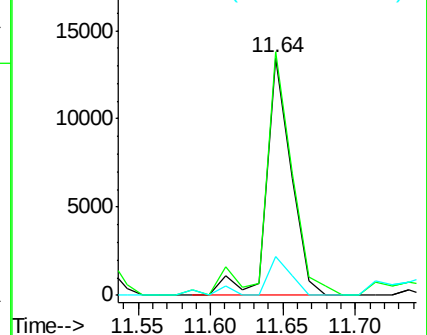
167 16.2 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.81 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

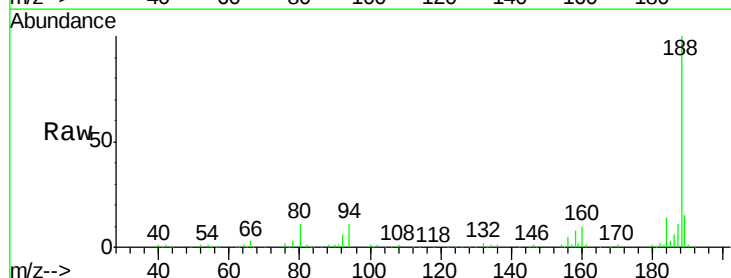
Tgt Ion:188 Resp: 174479

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.0

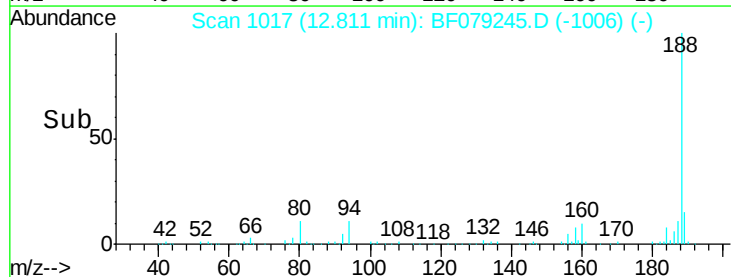
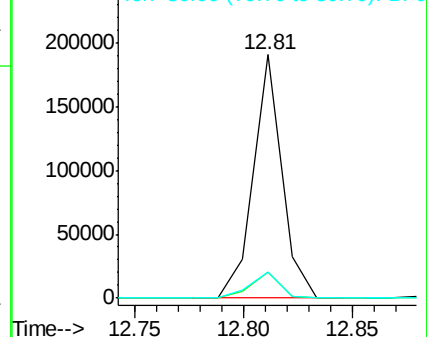
80 10.8 9.8 14.6

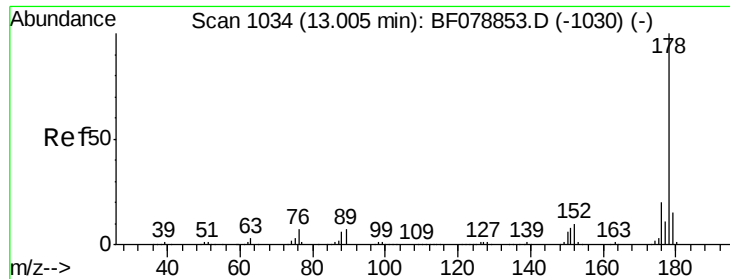


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

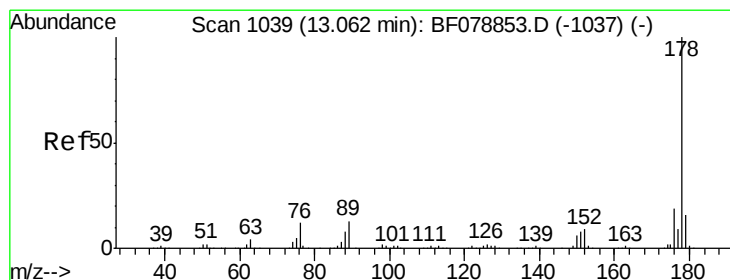
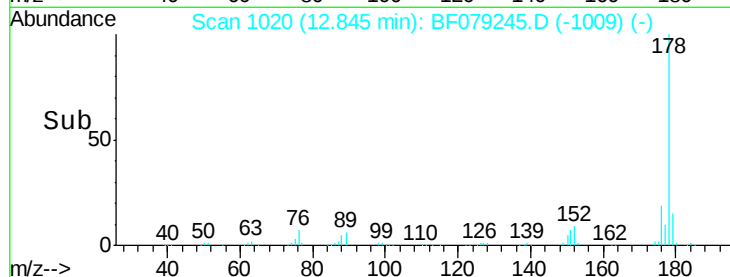
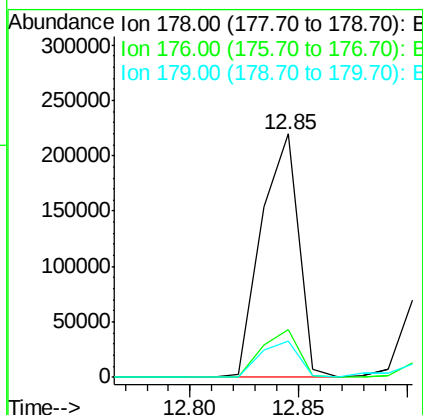
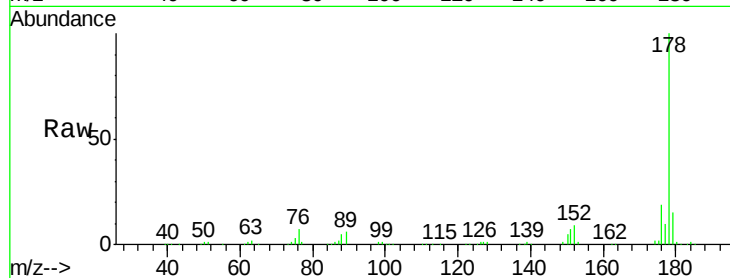




#70
Phenanthrene
Concen: 27.02 ng
RT: 12.85 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF079245.D
Acq: 14 May 2015 21:34

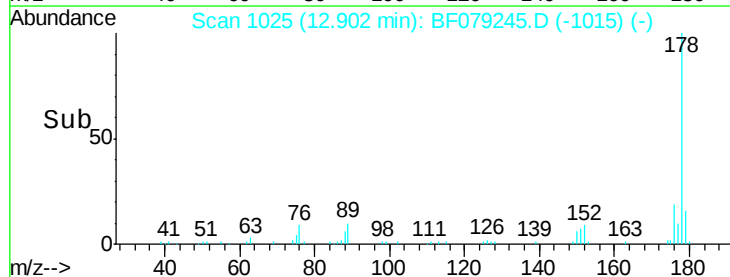
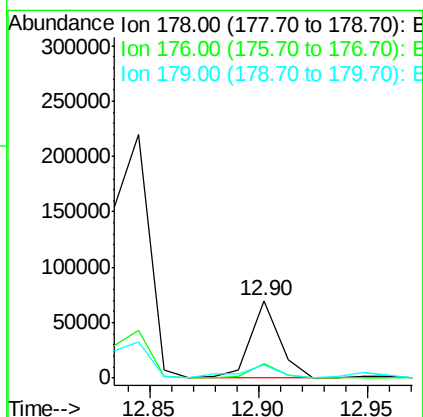
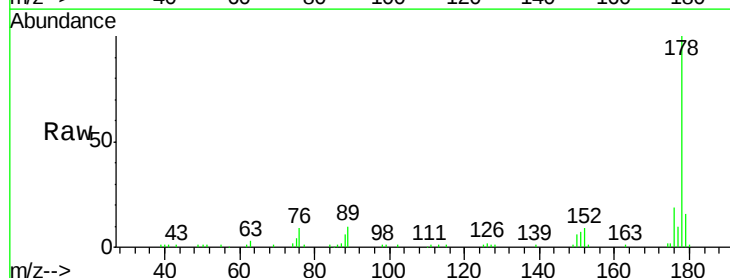
Instrument :
BNA_F
ClientSampled :
SB-09

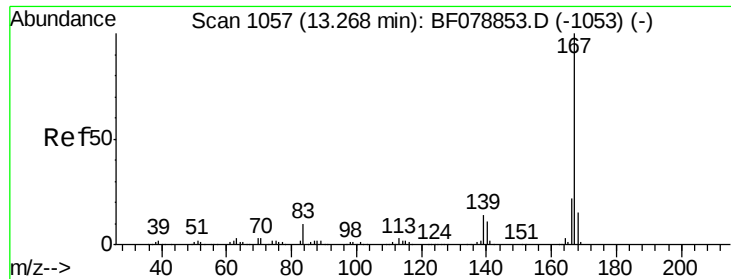
Tot Ion:178 Resp: 263778
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.8 12.2 18.4



#71
Anthracene
Concen: 6.82 ng
RT: 12.90 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF079245.D
Acq: 14 May 2015 21:34

Tgt Ion:178 Resp: 65271
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 16.3 12.6 19.0





#72

Carbazole

Concen: 2.56 ng

RT: 13.11 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

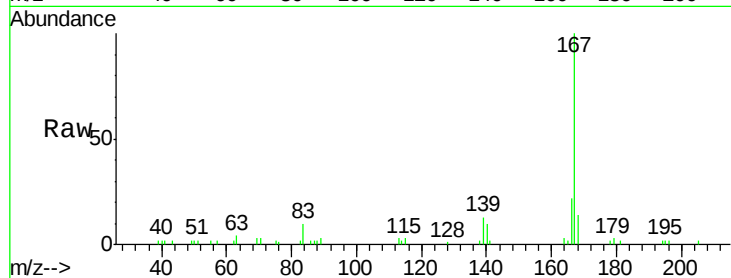
BNA_F

ClientSampleId :

SB-09

Tot Ion:167 Resp: 23387

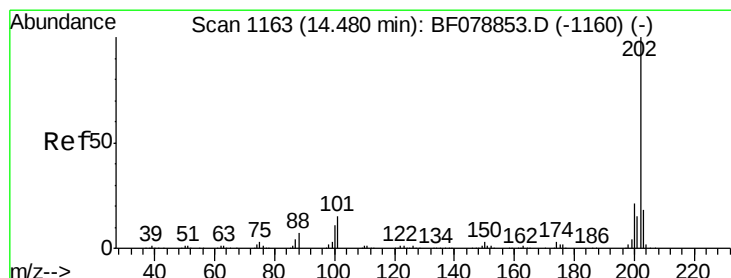
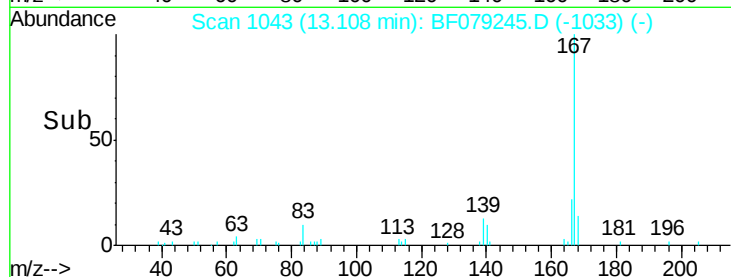
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	12.6	11.0	16.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 47.11 ng

RT: 14.32 min Scan# 1149

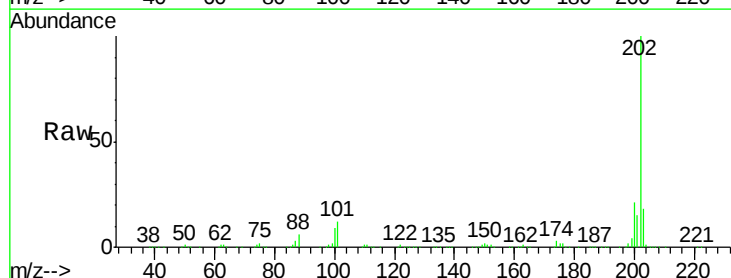
Delta R.T. -0.01 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Tgt Ion:202 Resp: 479141

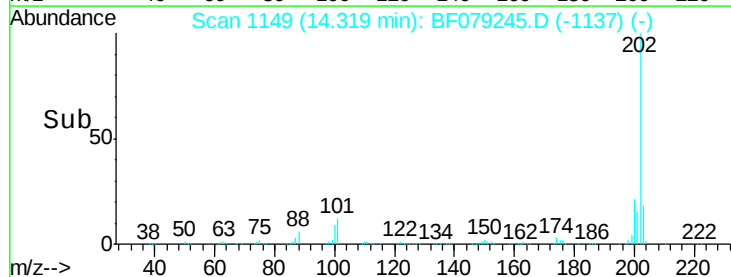
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.7
203	17.9	0.0	37.9

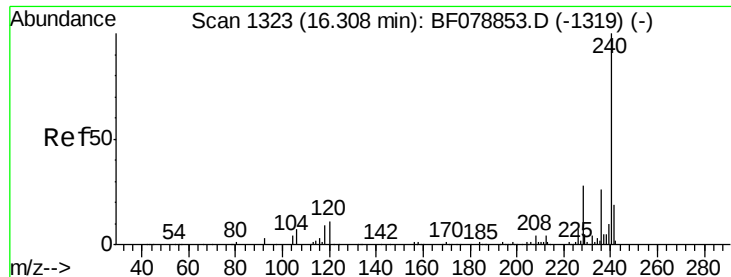


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.11 min Scan# 1306

Delta R.T. -0.13 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleId :

SB-09

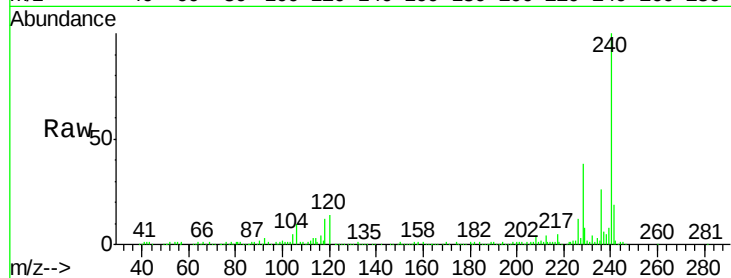
Tot Ion:240 Resp: 186628

Ion Ratio Lower Upper

240 100

120 13.9 8.6 12.8#

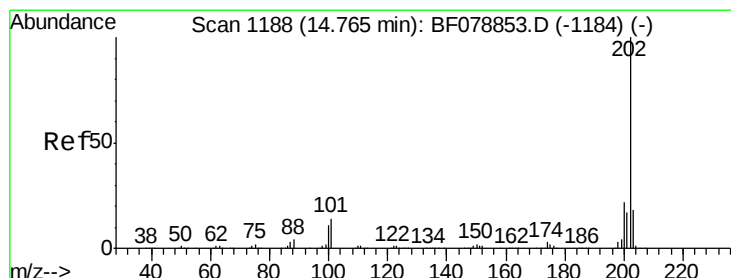
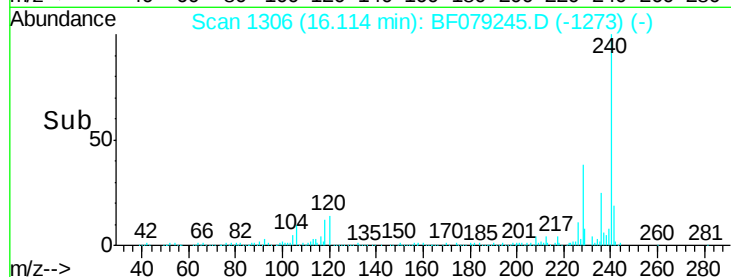
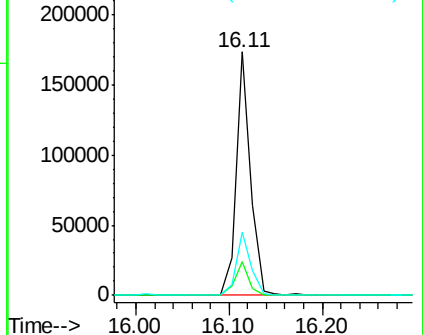
236 25.7 21.0 31.6



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: 42.26 ng m

RT: 14.59 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

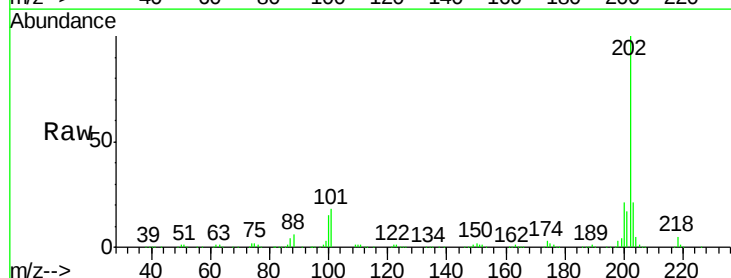
Tgt Ion:202 Resp: 454460

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

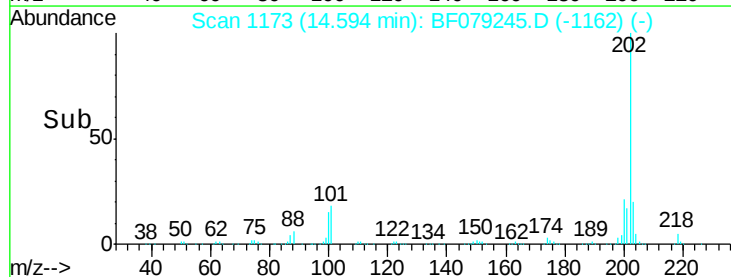
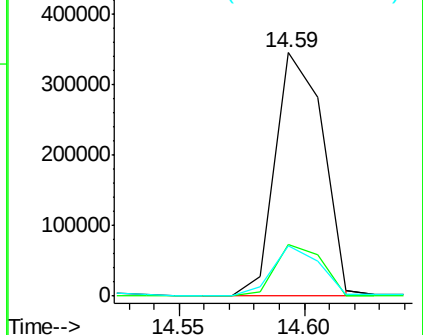
203 20.7 14.7 22.1

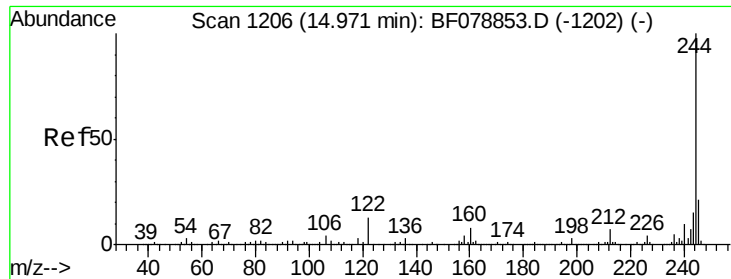


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

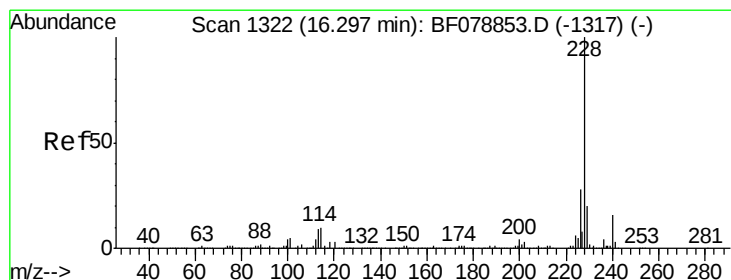
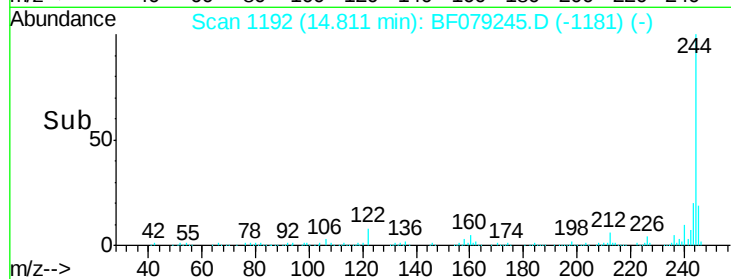
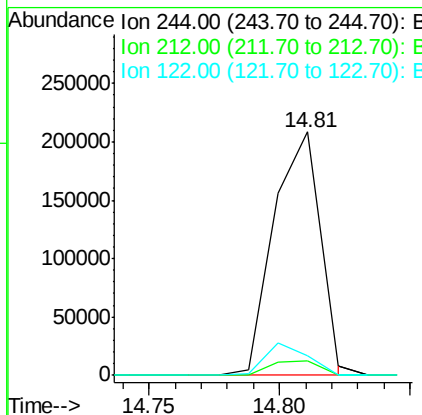
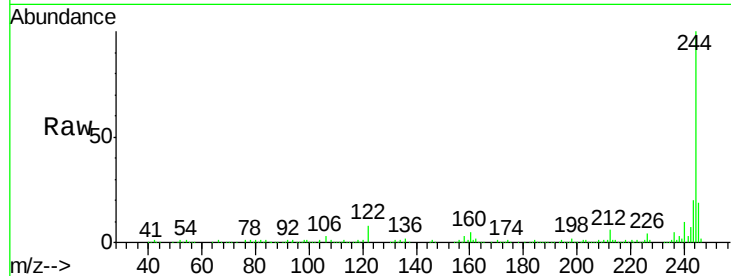




#78
 Terphenyl-d14
 Concen: 33.21 ng
 RT: 14.81 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: BF079245.D
 Acq: 14 May 2015 21:34

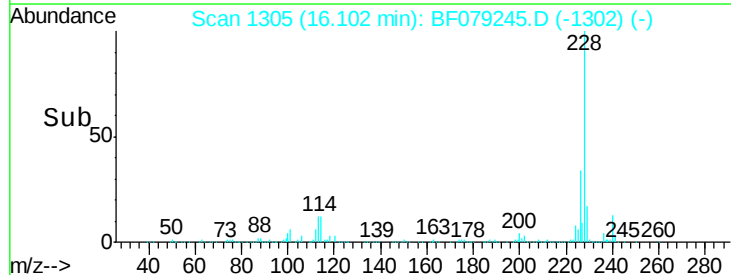
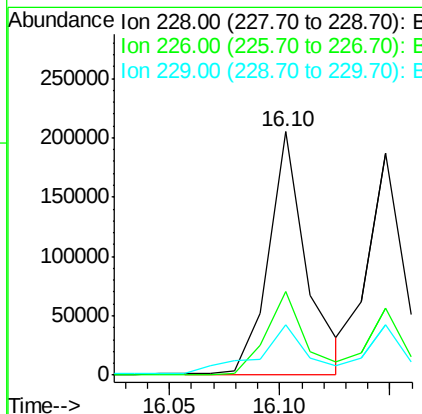
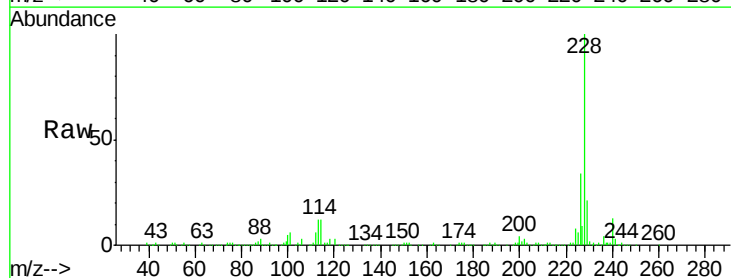
Instrument :
 BNA_F
 ClientSampled :
 SB-09

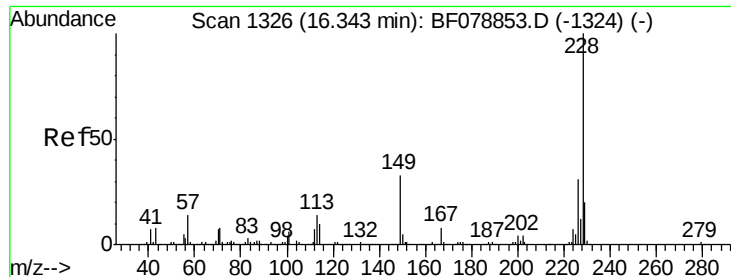
Tot Ion:244 Resp: 258872
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.6 8.4
 122 8.3 10.5 15.7#



#80
 Benzo(a)anthracene
 Concen: 24.24 ng m
 RT: 16.10 min Scan# 1305
 Delta R.T. -0.13 min
 Lab File: BF079245.D
 Acq: 14 May 2015 21:34

Tgt Ion:228 Resp: 247719
 Ion Ratio Lower Upper
 228 100
 226 34.3 22.3 33.5#
 229 20.8 16.1 24.1





#82

Chrysene

Concen: 20.96 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.14 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleID :

SB-09

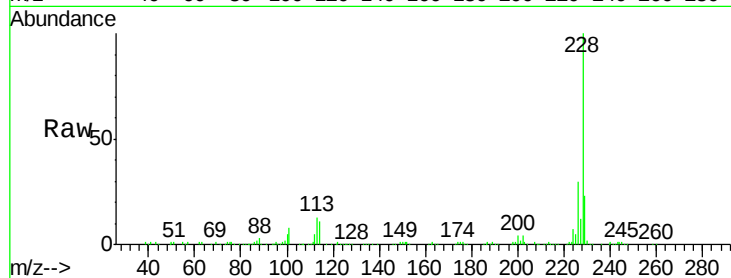
Tot Ion:228 Resp: 206001

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

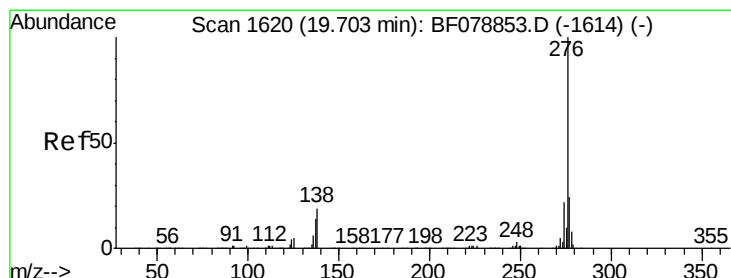
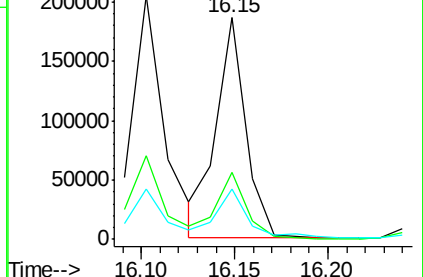
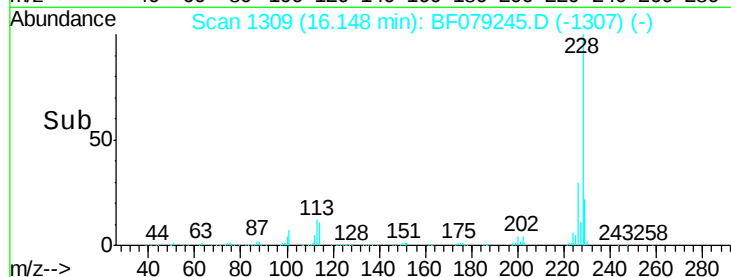
229 22.6 16.1 24.1



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: 11.51 ng m

RT: 19.37 min Scan# 1591

Delta R.T. -0.46 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

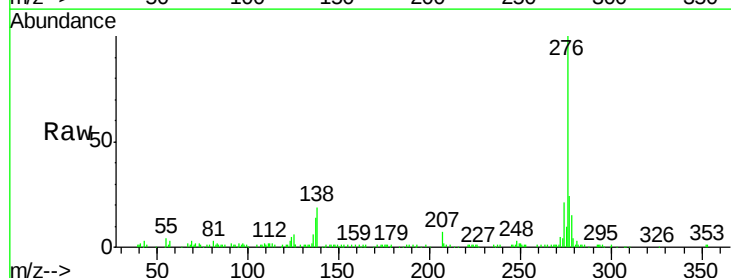
Tgt Ion:276 Resp: 144189

Ion Ratio Lower Upper

276 100

138 23.5 21.1 31.7

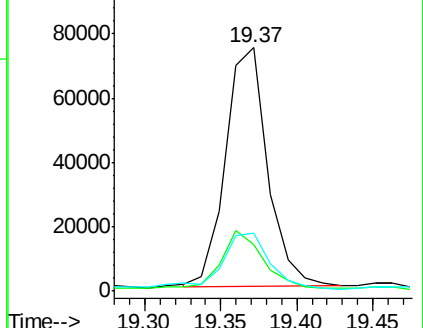
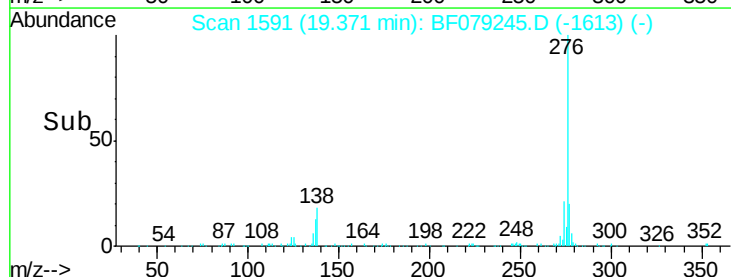
277 22.6 19.9 29.9

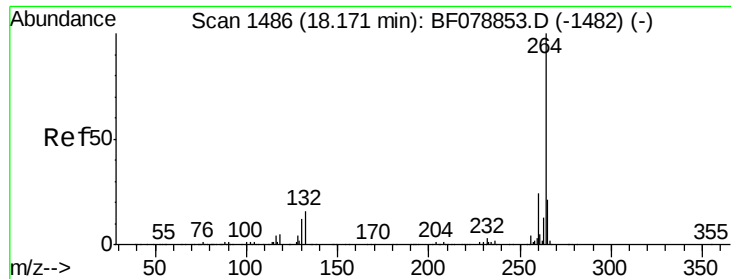


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

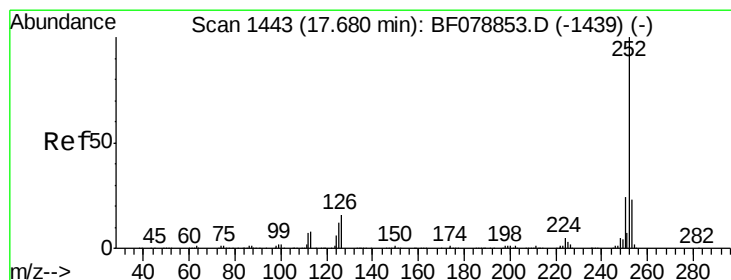
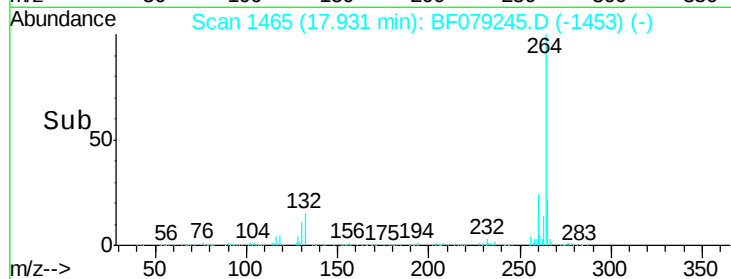
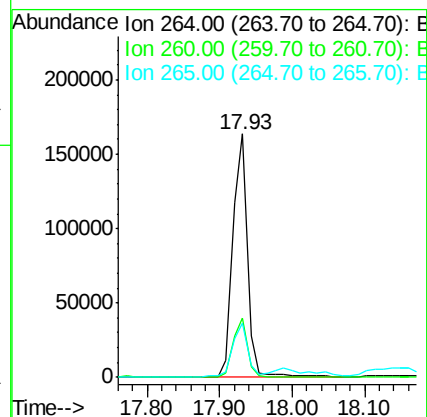
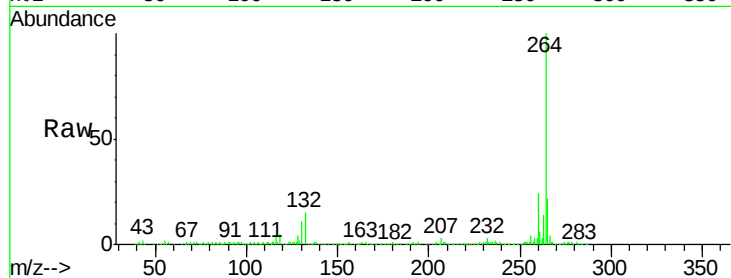




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.93 min Scan# 1465
Delta R.T. -0.37 min
Lab File: BF079245.D
Acq: 14 May 2015 21:34

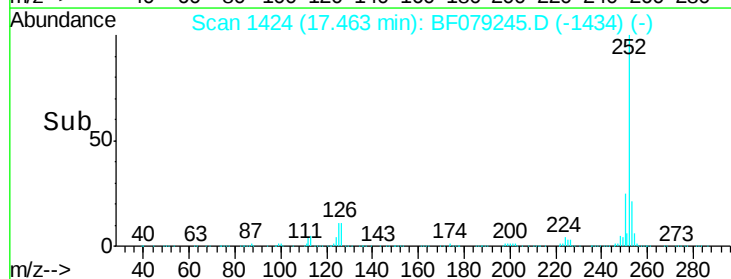
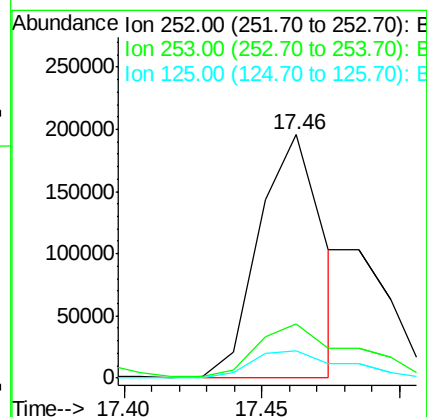
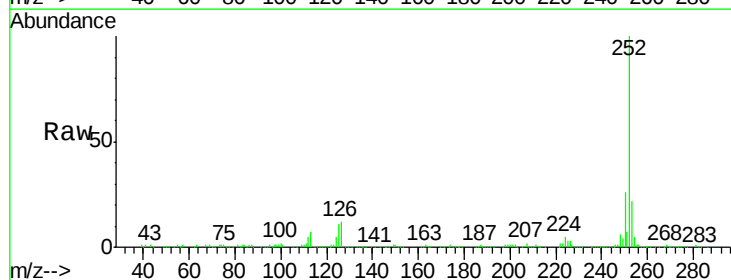
Instrument :
BNA_F
ClientSampleId :
SB-09

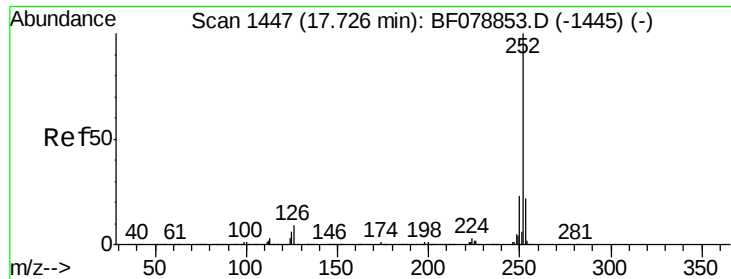
Tot Ion:264 Resp: 231045
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 25.10 ng m
RT: 17.46 min Scan# 1424
Delta R.T. -0.30 min
Lab File: BF079245.D
Acq: 14 May 2015 21:34

Tgt Ion:252 Resp: 317453
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 11.4 9.4 14.2

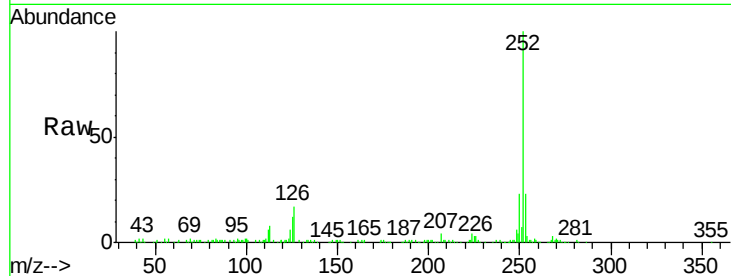




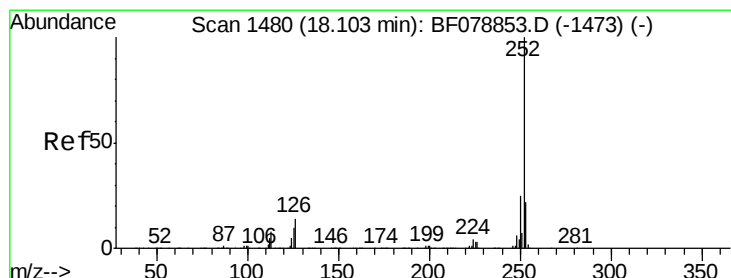
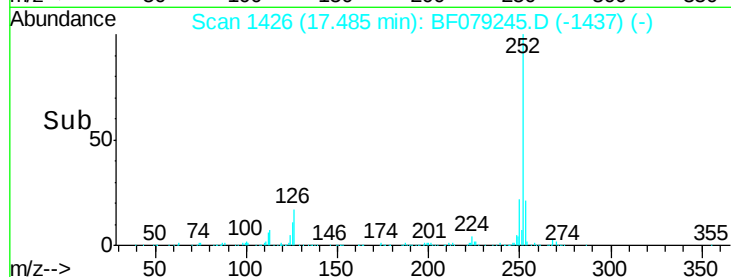
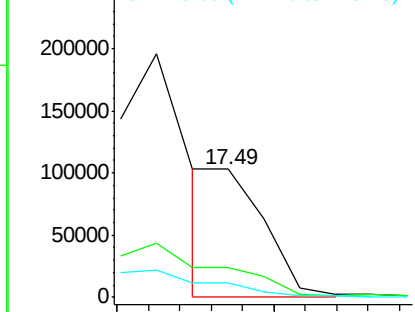
#88
Benzo(k)fluoranthene
Concen: 9.86 ng m
RT: 17.49 min Scan# 1426
Delta R.T. -0.31 min
Lab File: BF079245.D
Acq: 14 May 2015 21:34

Instrument :
BNA_F
ClientSampleId :
SB-09

Tot Ion:252 Resp: 120740
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.7 6.1 9.1#

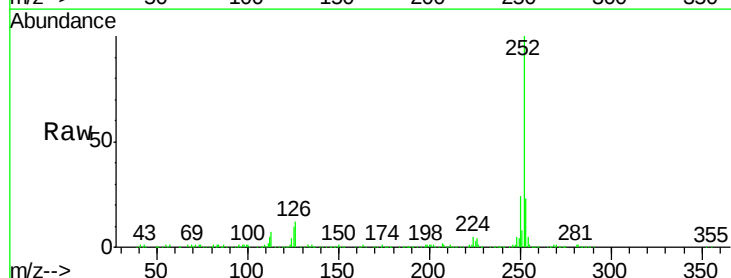


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

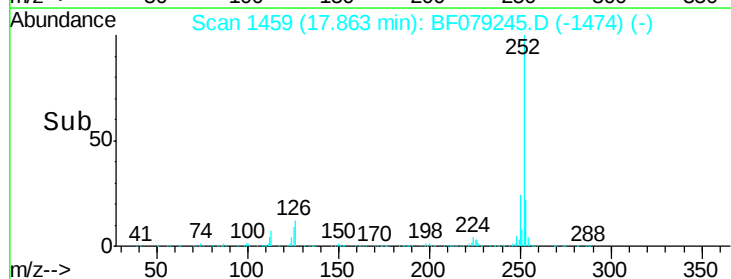
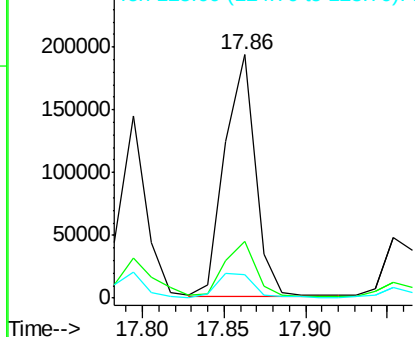


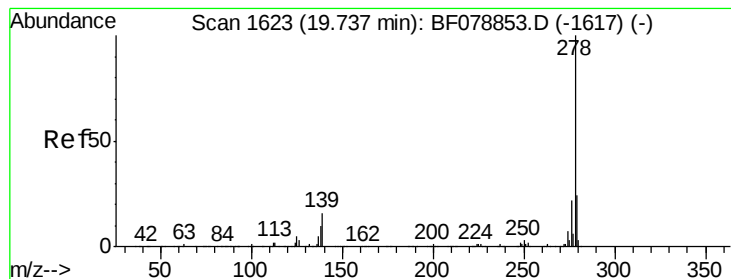
#89
Benzo(a)pyrene
Concen: 21.37 ng
RT: 17.86 min Scan# 1459
Delta R.T. -0.35 min
Lab File: BF079245.D
Acq: 14 May 2015 21:34

Tgt Ion:252 Resp: 248883
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 9.5 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: 2.70 ng/mL

RT: 19.38 min Scan# 1592

Delta R.T. -0.48 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

Instrument :

BNA_F

ClientSampleId :

SB-09

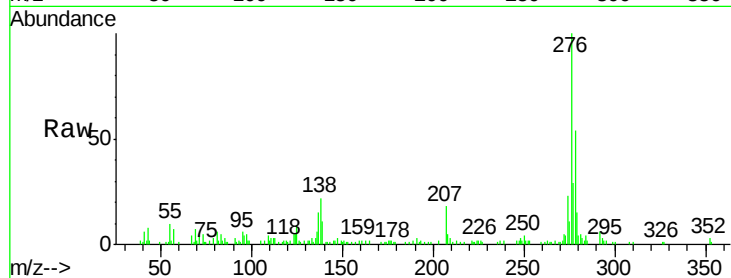
Tot Ion: 278 Resp: 33400

Ion Ratio Lower Upper

278 100

139 20.3 13.1 19.7#

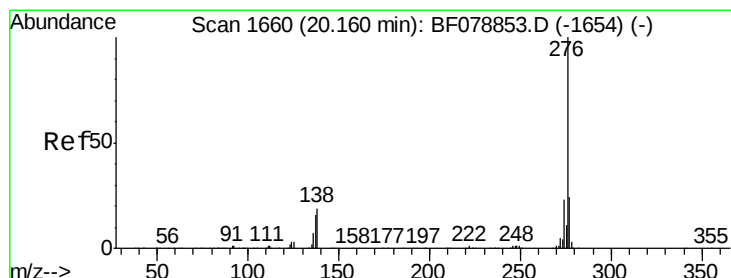
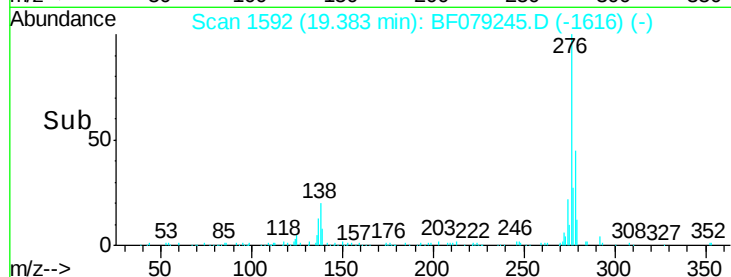
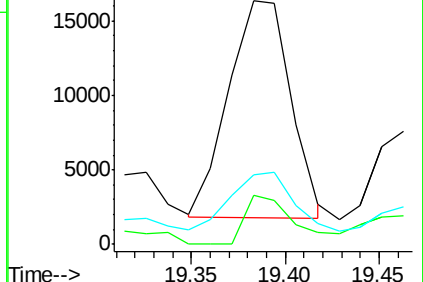
279 28.3 19.1 28.7



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: 11.17 ng/mL

RT: 19.79 min Scan# 1628

Delta R.T. -0.47 min

Lab File: BF079245.D

Acq: 14 May 2015 21:34

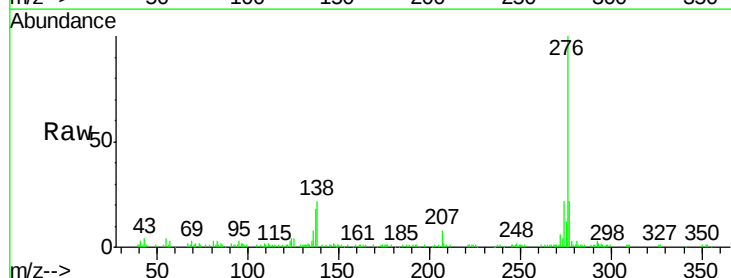
Tgt Ion: 276 Resp: 138598

Ion Ratio Lower Upper

276 100

277 22.5 18.8 28.2

138 22.3 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

