

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078522.D
 Acq On : 15 Apr 2015 2:13
 Operator : TP/IZ
 Sample : G1823-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Apr 15 03:26:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

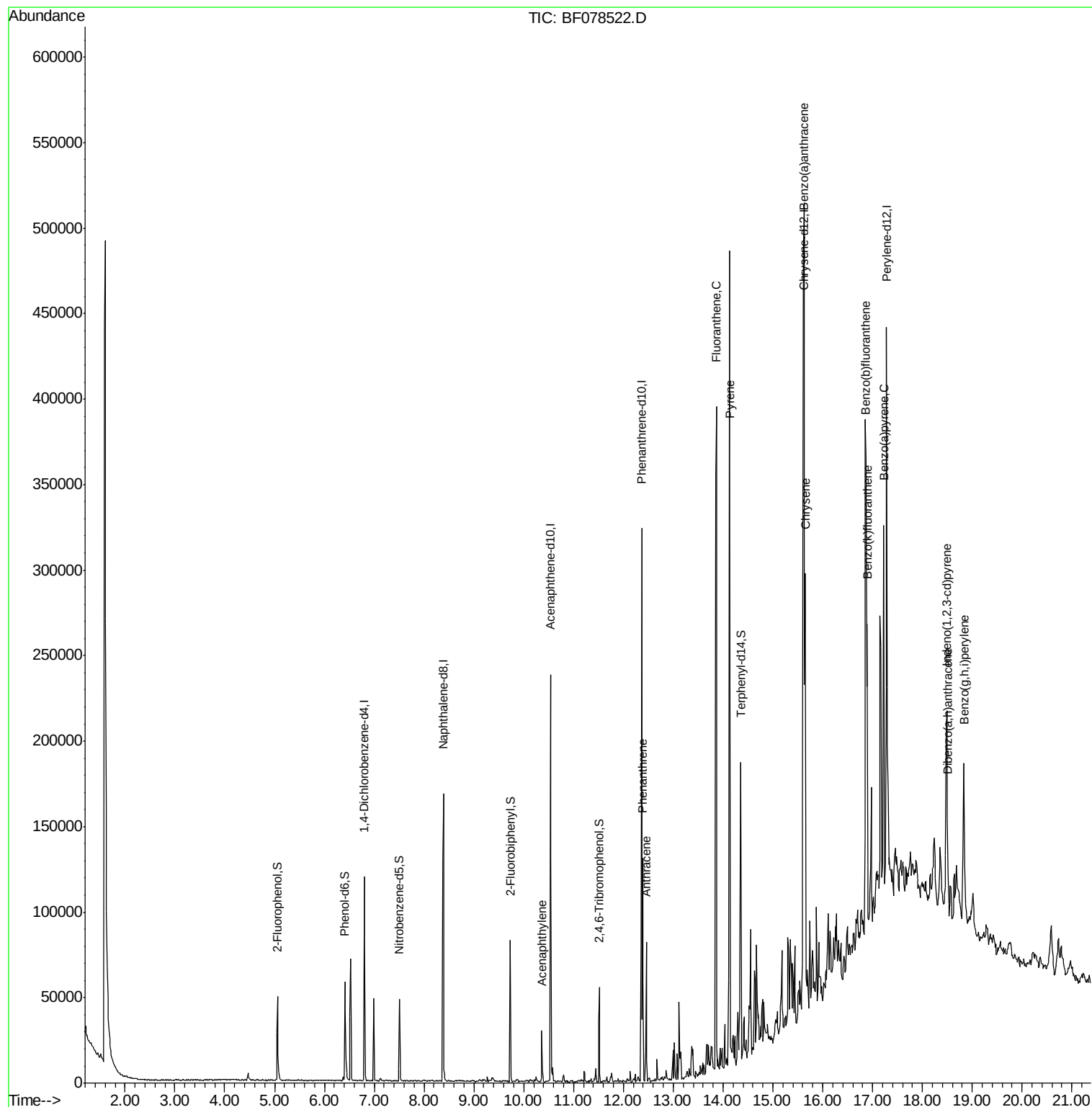
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	24624	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	108945	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	57264	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	124374	20.00	ng	0.00
75) Chrysene-d12	15.62	240	142681	20.00	ng	-0.03
86) Perylene-d12	17.28	264	144268	20.00	ng	-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	23239	15.56	ng	0.01
7) Phenol-d6	6.41	99	31624	16.90	ng	0.00
23) Nitrobenzene-d5	7.51	82	17139	9.54	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	8131	17.12	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	41919	10.46	ng	0.00
78) Terphenyl-d14	14.35	244	58349	9.24	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.36	152	14460	2.43	ng	98
70) Phenanthrene	12.39	178	58513	8.13	ng	100
71) Anthracene	12.46	178	35532	5.01	ng	99
74) Fluoranthene	13.86	202	235120	30.99	ng	91
77) Pyrene	14.14	202	235277	26.27	ng	99
80) Benzo(a)anthracene	15.61	228	170039	20.03	ng	98
82) Chrysene	15.66	228	125836	15.78	ng	96
85) Indeno(1,2,3-cd)pyrene	18.49	276	75415m	8.33	ng	
87) Benzo(b)fluoranthene	16.87	252	194029m	21.76	ng	
88) Benzo(k)fluoranthene	16.89	252	59778m	7.54	ng	
89) Benzo(a)pyrene	17.22	252	120837	15.53	ng	97
90) Dibenzo(a,h)anthracene	18.50	278	16783m	2.15	ng	
91) Benzo(g,h,i)perylene	18.83	276	71147m	9.11	ng	

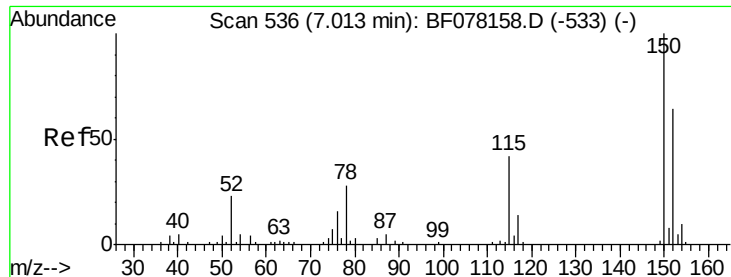
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SP-1

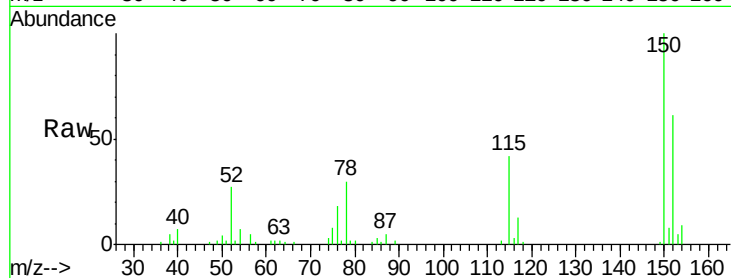
Tgt Ion:152 Resp: 24624

Ion Ratio Lower Upper

152 100

150 164.0 125.9 188.9

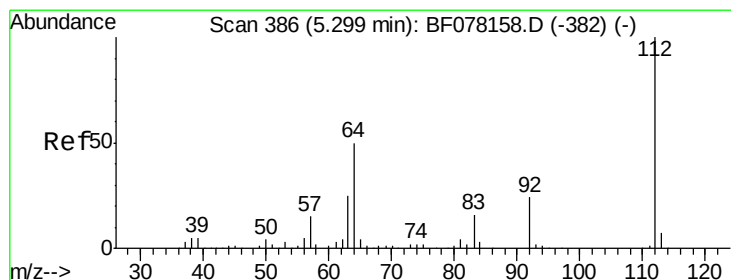
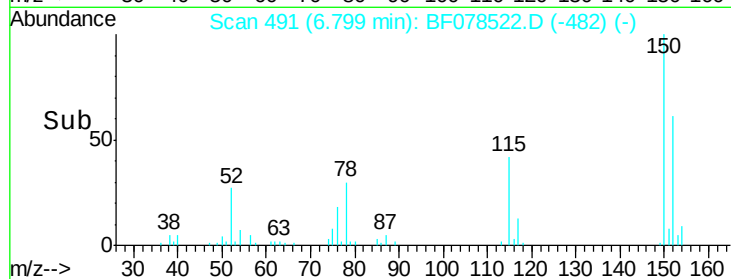
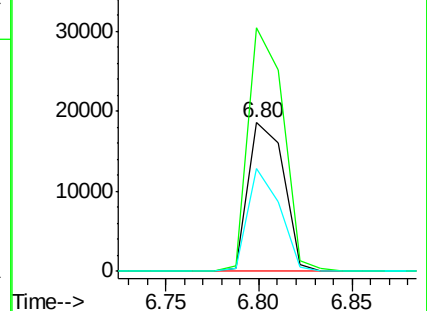
115 68.9 52.7 79.1



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: 15.56 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

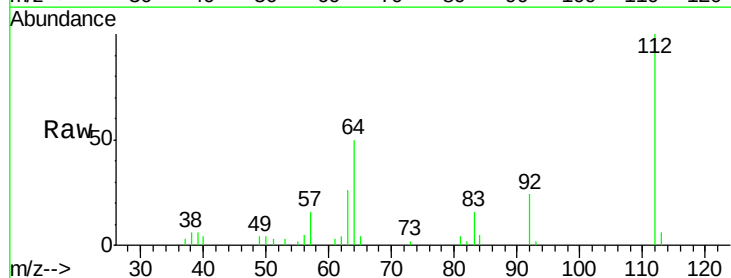
Tgt Ion:112 Resp: 23239

Ion Ratio Lower Upper

112 100

64 49.9 39.9 59.9

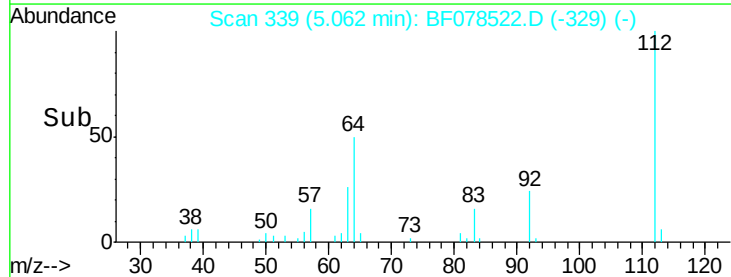
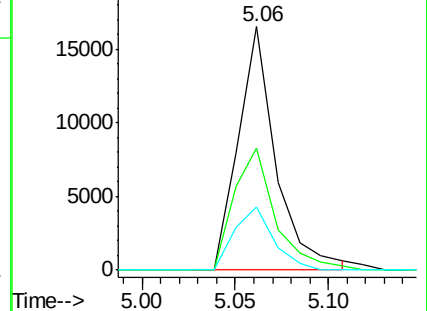
63 25.8 20.2 30.4

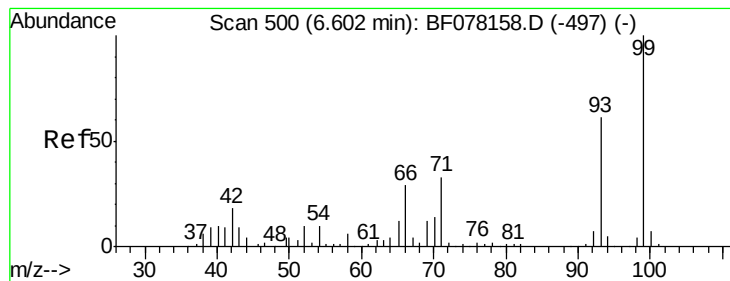


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.90 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampled :

SP-1

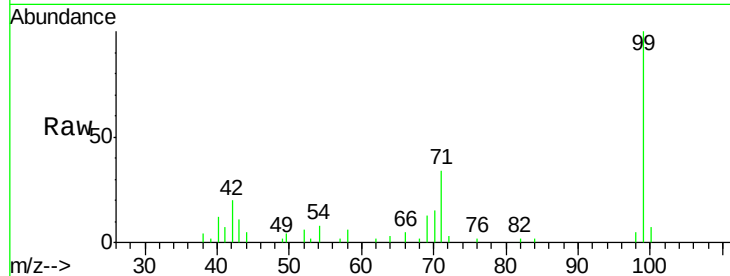
Tgt Ion: 99 Resp: 31624

Ion Ratio Lower Upper

99 100

42 20.2 14.8 22.2

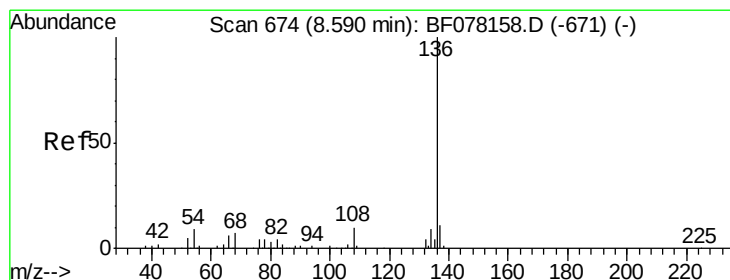
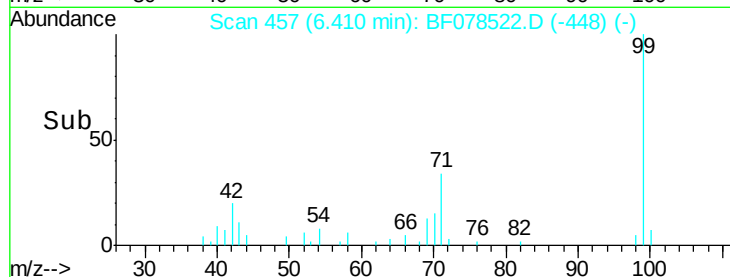
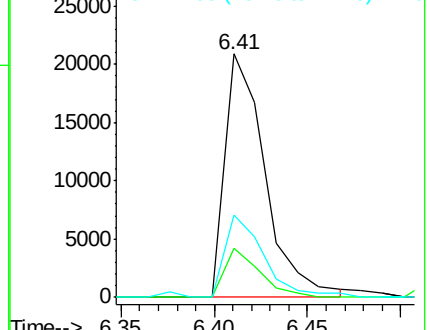
71 33.6 26.6 39.8



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: 8.39 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Tgt Ion: 136 Resp: 108945

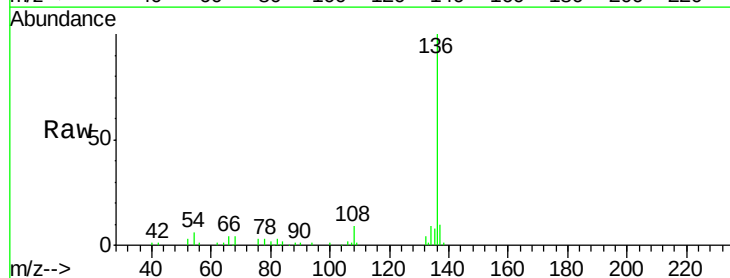
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.6 7.0 10.6#

68 4.3 5.4 8.2#

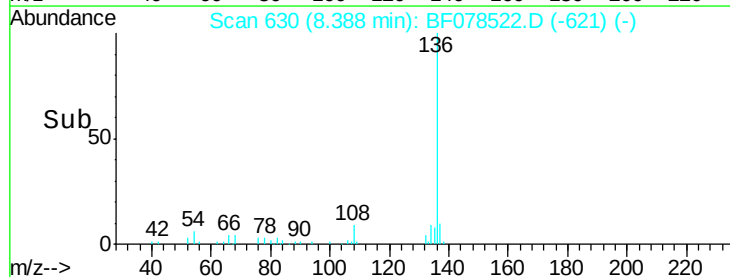
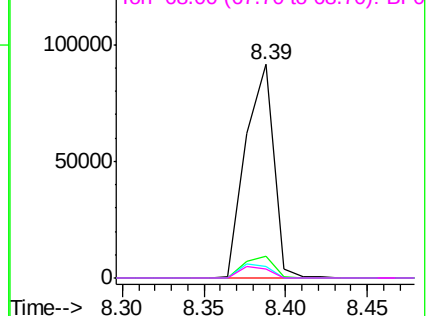


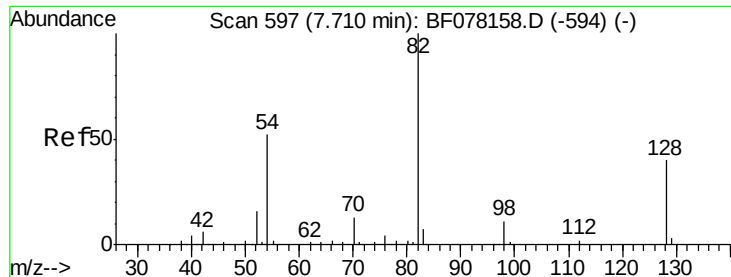
Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.54 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampled :

SP-1

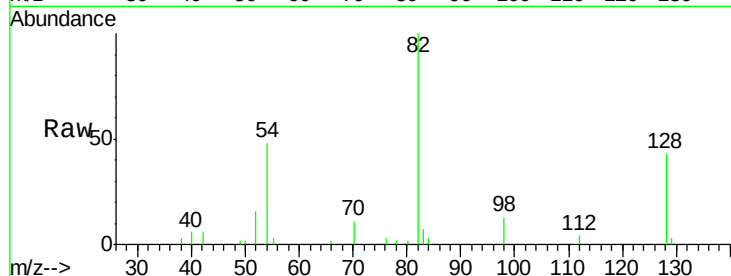
Tgt Ion: 82 Resp: 17139

Ion Ratio Lower Upper

82 100

128 43.0 31.8 47.8

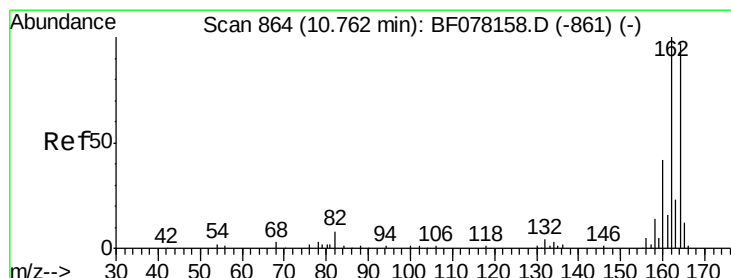
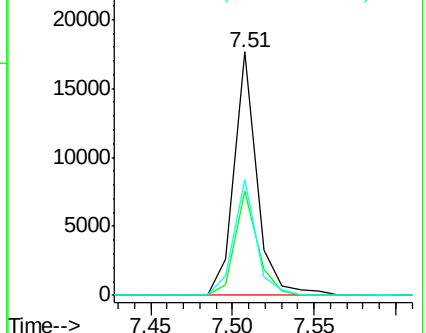
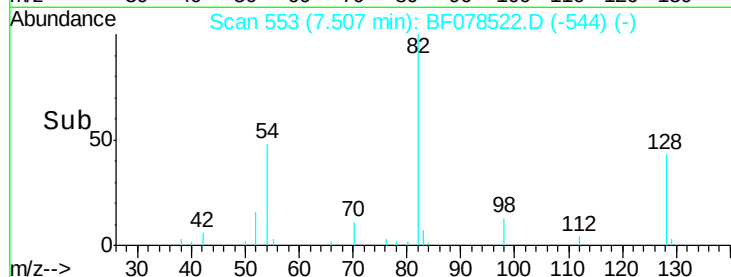
54 47.7 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078158.D (-594) (-)

Ion 128.00 (127.70 to 128.70): BF078158.D (-594) (-)

Ion 54.00 (53.70 to 54.70): BF078158.D (-594) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.54 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

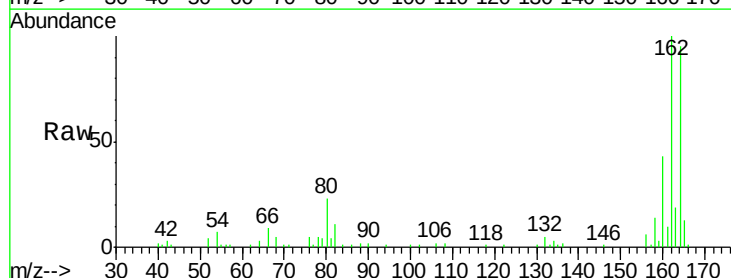
Tgt Ion: 164 Resp: 57264

Ion Ratio Lower Upper

164 100

162 105.4 82.2 123.2

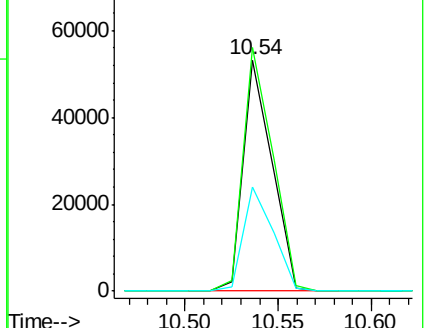
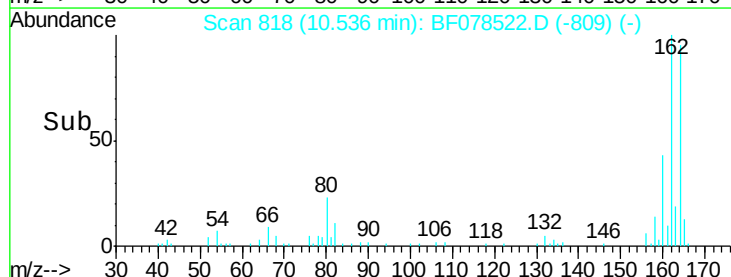
160 45.1 34.7 52.1

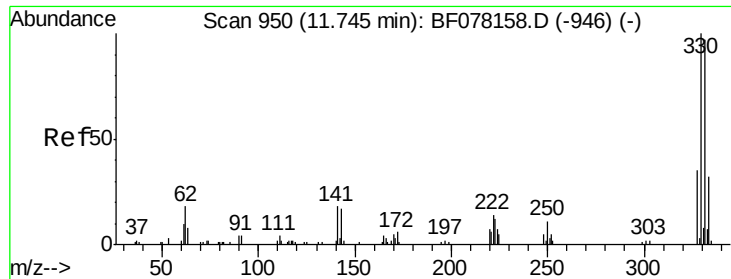


Abundance Ion 164.00 (163.70 to 164.70): BF078158.D (-861) (-)

Ion 162.00 (161.70 to 162.70): BF078158.D (-861) (-)

Ion 160.00 (159.70 to 160.70): BF078158.D (-861) (-)

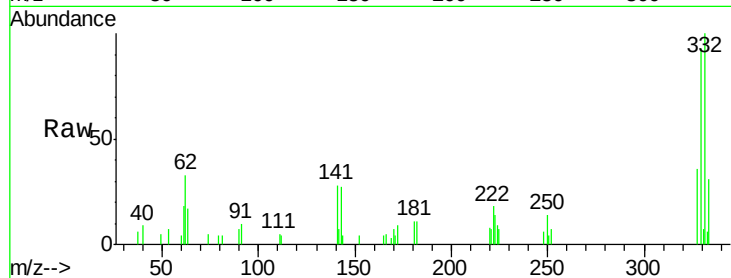




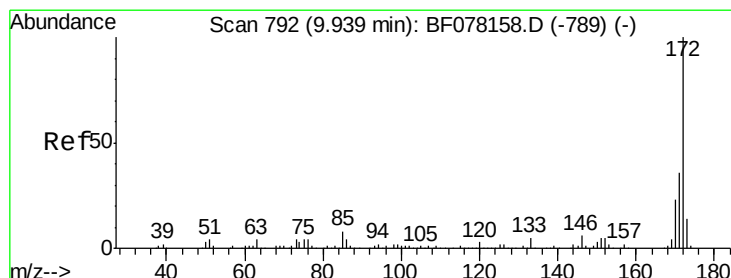
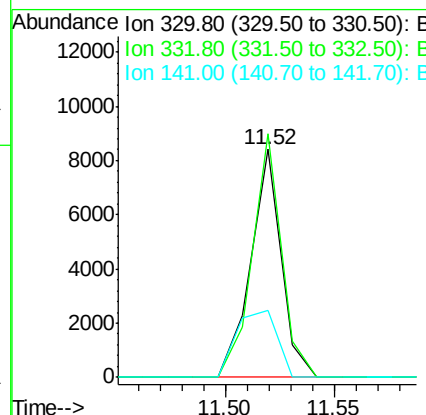
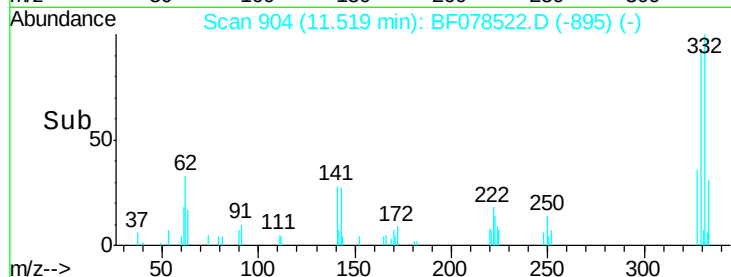
#41
 2,4,6-Tribromophenol
 Concen: 17.12 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078522.D
 Acq: 15 Apr 2015 2:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:330 Resp: 8131
 Ion Ratio Lower Upper
 330 100
 332 102.7 78.6 117.8
 141 39.3 31.2 46.8

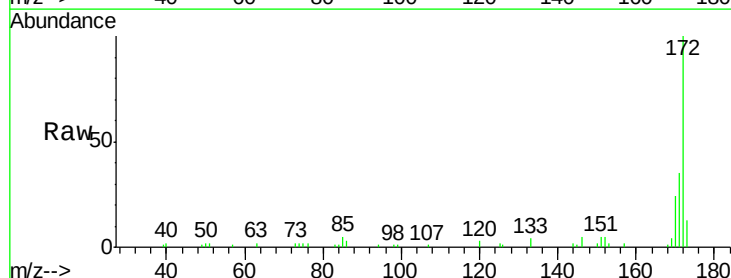


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

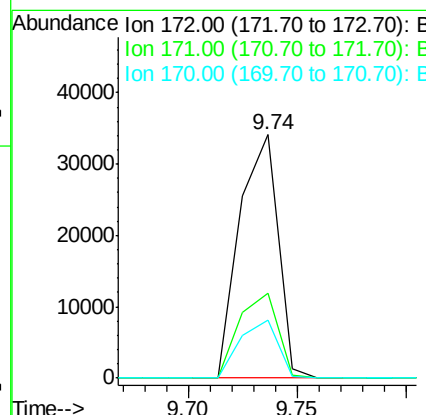
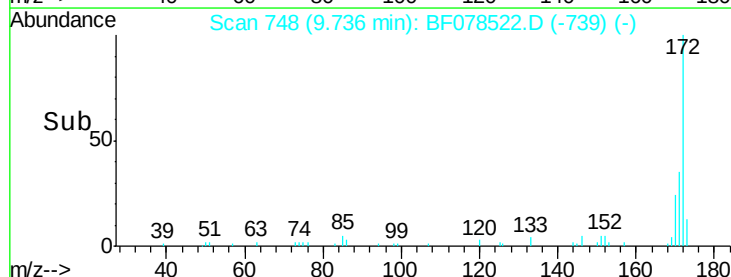


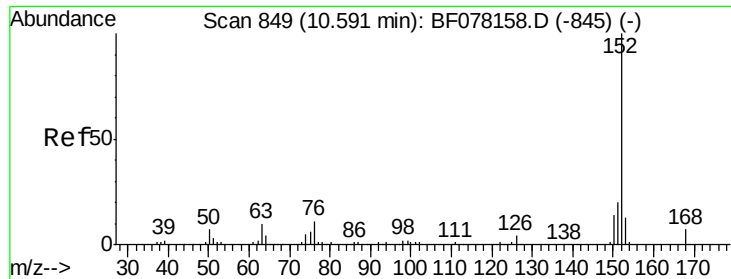
#44
 2-Fluorobiphenyl
 Concen: 10.46 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078522.D
 Acq: 15 Apr 2015 2:13

Tgt Ion:172 Resp: 41919
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 24.1 18.5 27.7



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: 2.43 ng

RT: 10.36 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SP-1

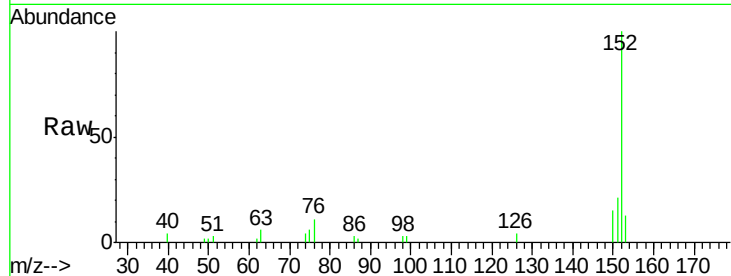
Tgt Ion:152 Resp: 14460

Ion Ratio Lower Upper

152 100

151 20.9 15.7 23.5

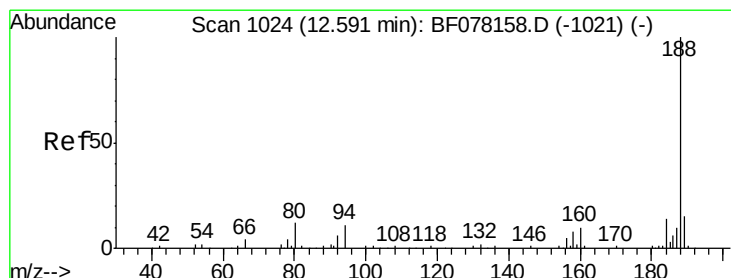
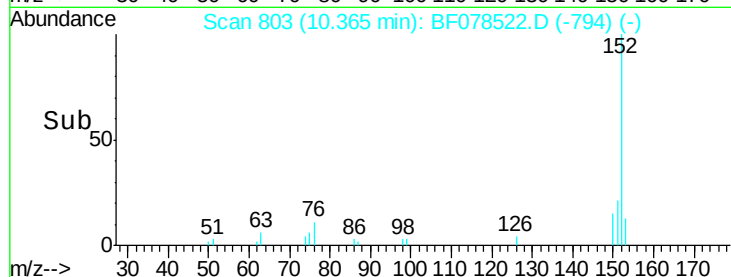
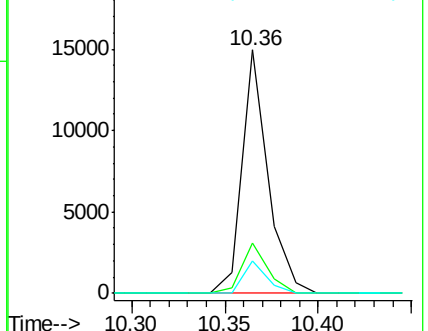
153 13.1 10.2 15.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.37 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

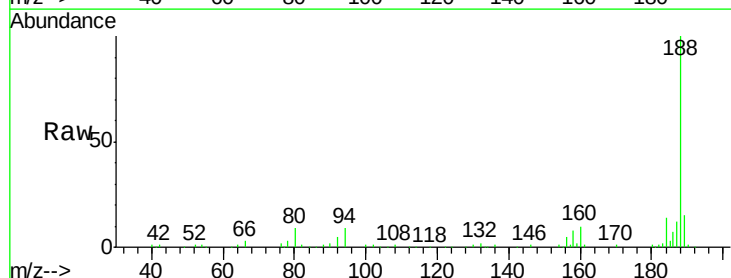
Tgt Ion:188 Resp: 124374

Ion Ratio Lower Upper

188 100

94 9.0 9.0 13.4

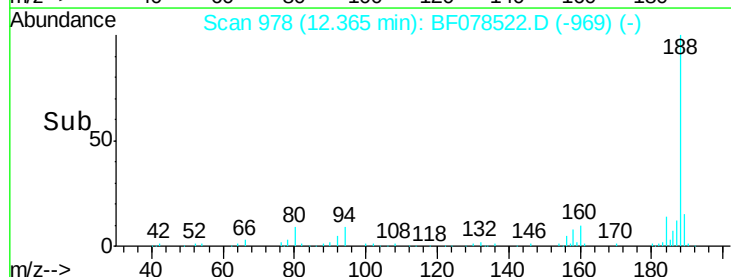
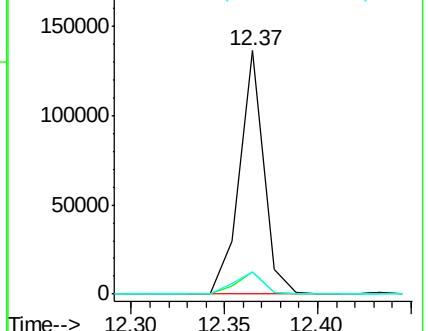
80 9.2 9.5 14.3#

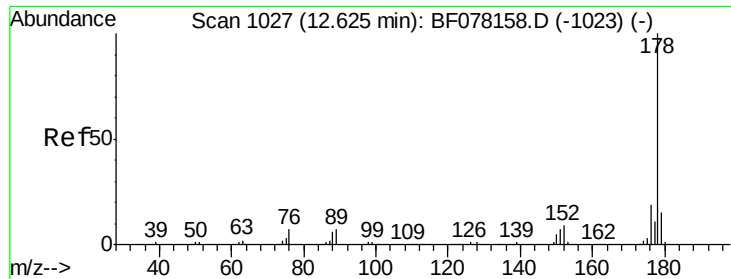


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

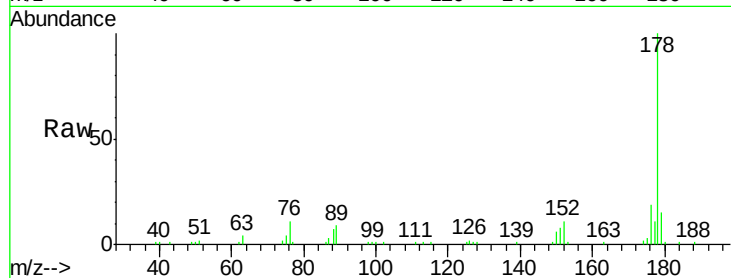




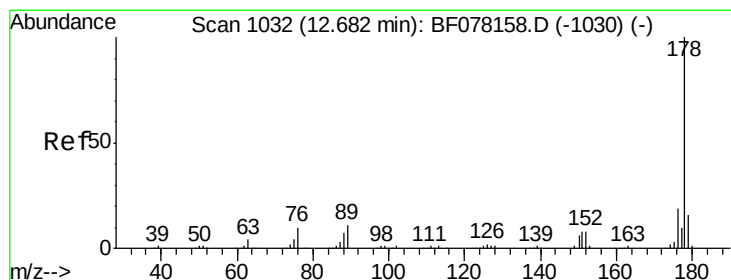
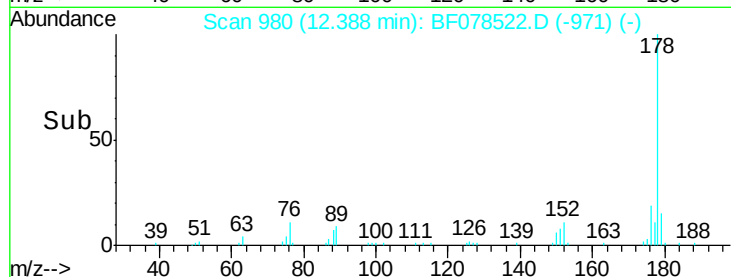
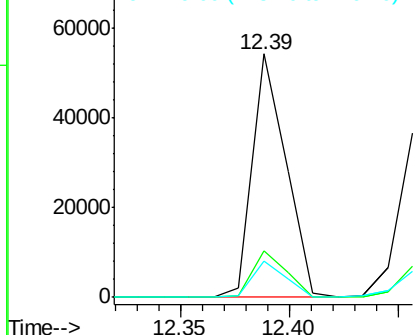
#70
 Phenanthrene
 Concen: 8.13 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078522.D
 Acq: 15 Apr 2015 2:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tgt Ion:178 Resp: 58513
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 15.0 12.2 18.2

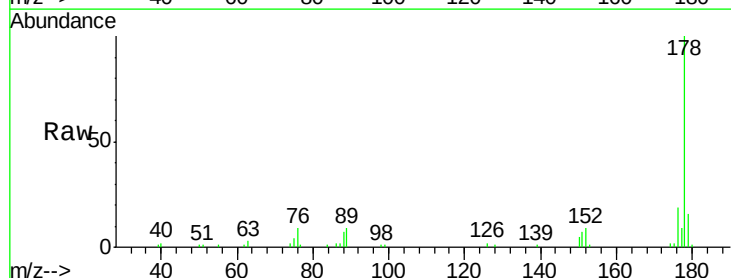


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

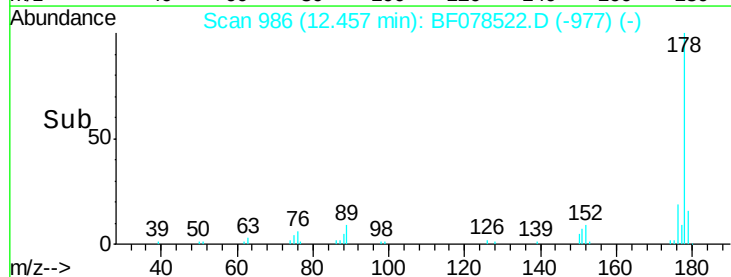
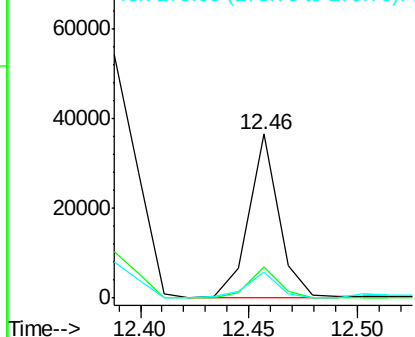


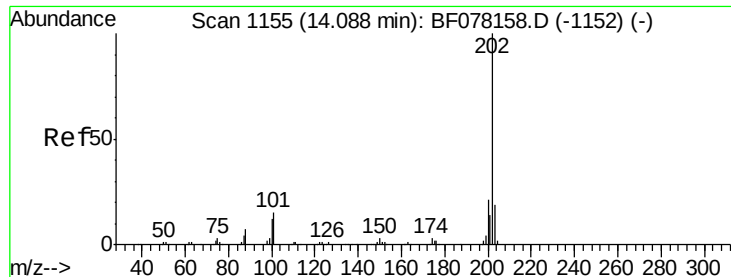
#71
 Anthracene
 Concen: 5.01 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078522.D
 Acq: 15 Apr 2015 2:13

Tgt Ion:178 Resp: 35532
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 16.2 12.4 18.6



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: 30.99 ng

RT: 13.86 min Scan# 1109

Delta R.T. 0.01 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampled :

SP-1

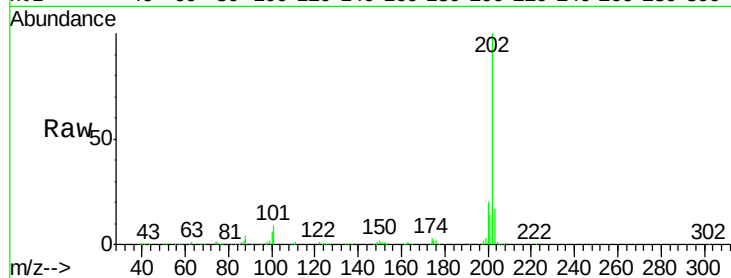
Tgt Ion: 202 Resp: 235120

Ion Ratio Lower Upper

202 100

101 8.6 0.0 35.2

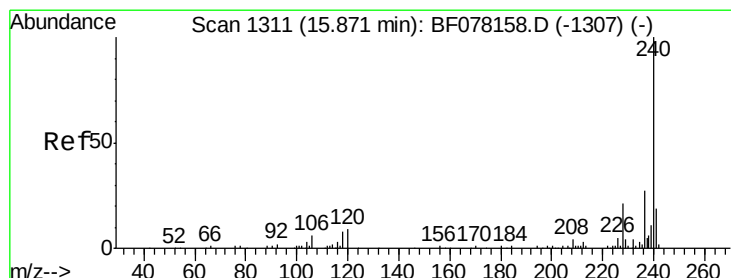
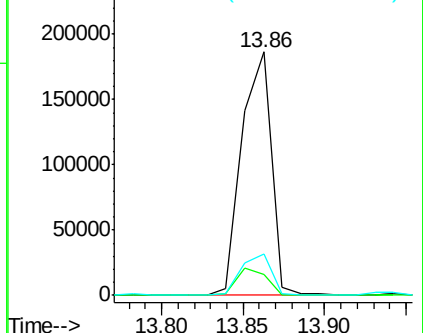
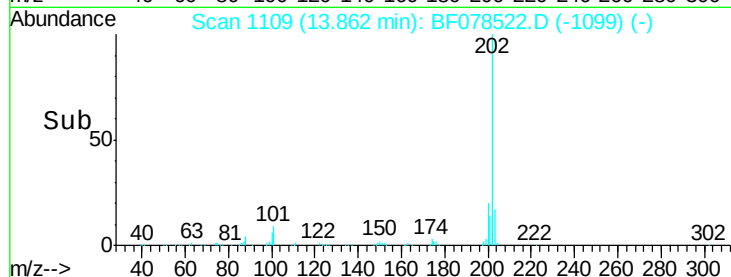
203 17.2 0.0 38.5



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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

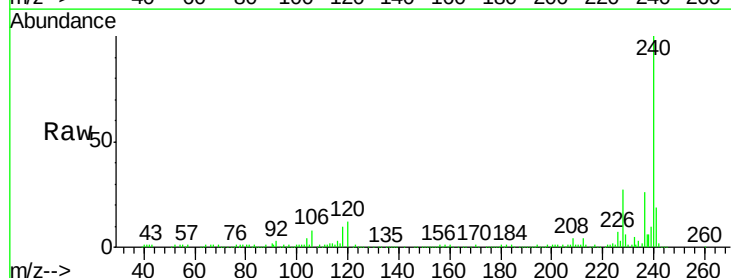
Tgt Ion: 240 Resp: 142681

Ion Ratio Lower Upper

240 100

120 11.6 7.1 10.7#

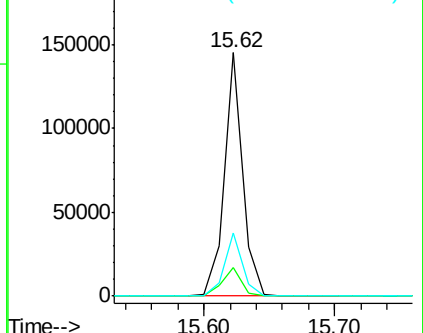
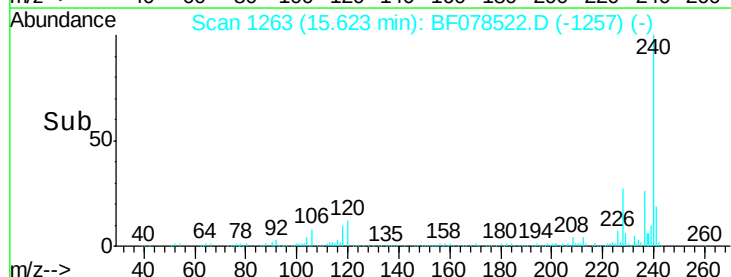
236 26.0 21.4 32.2

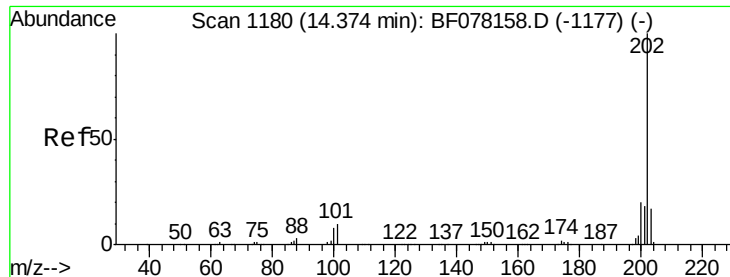


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 26.27 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SP-1

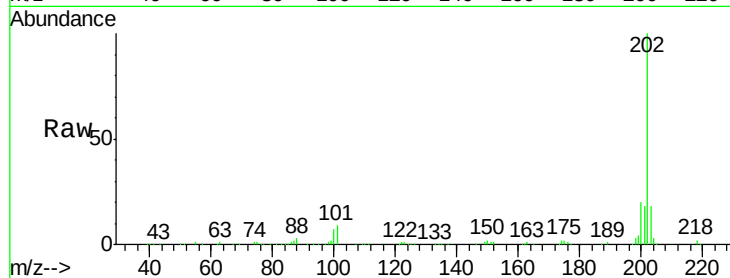
Tgt Ion: 202 Resp: 235277

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

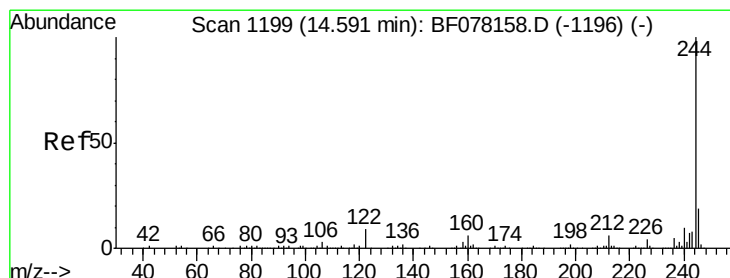
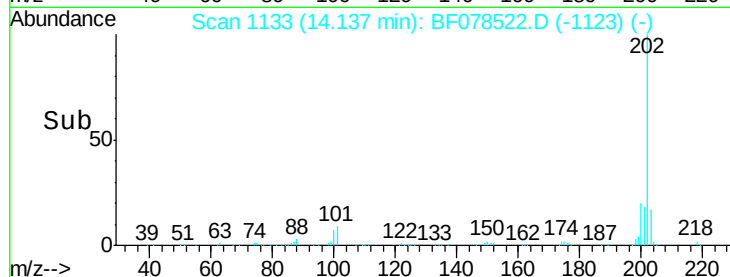
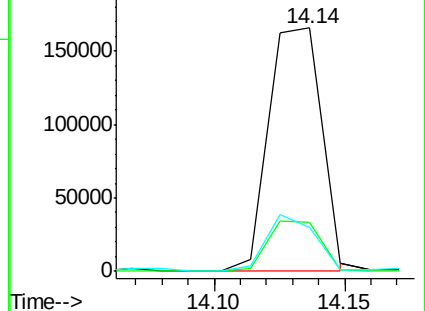
203 18.0 13.8 20.6



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: 9.24 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

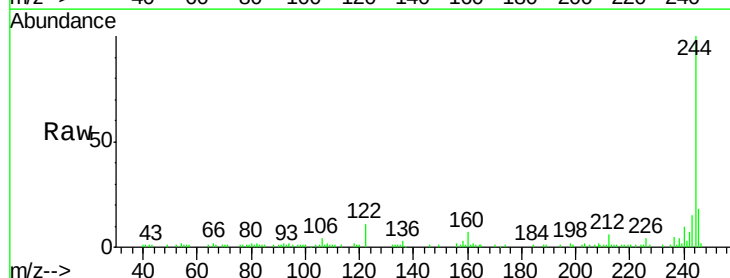
Tgt Ion: 244 Resp: 58349

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

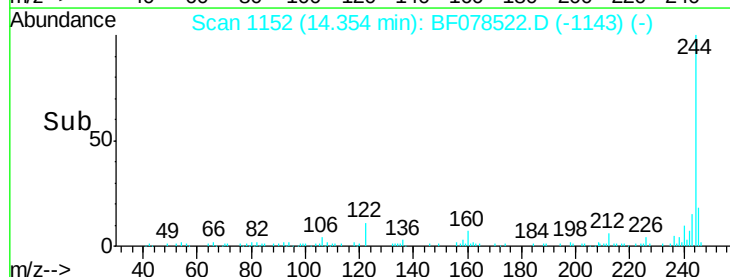
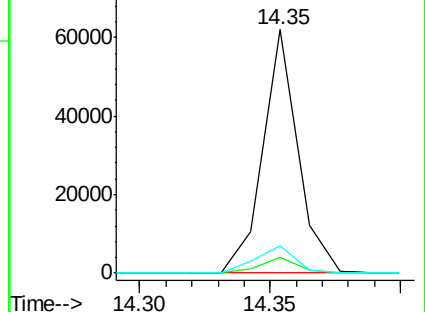
122 11.4 7.1 10.7#

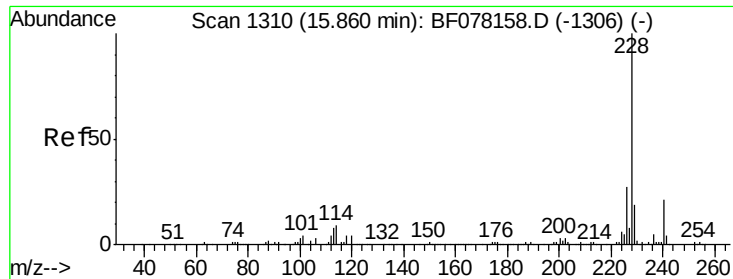


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.03 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SP-1

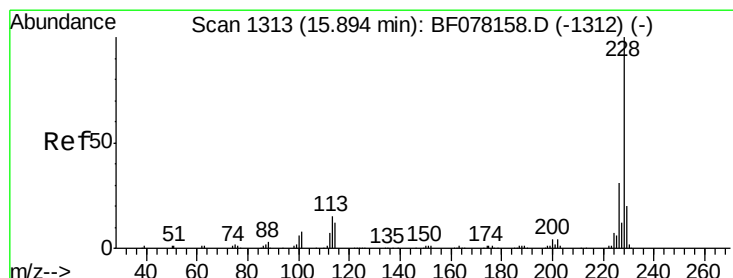
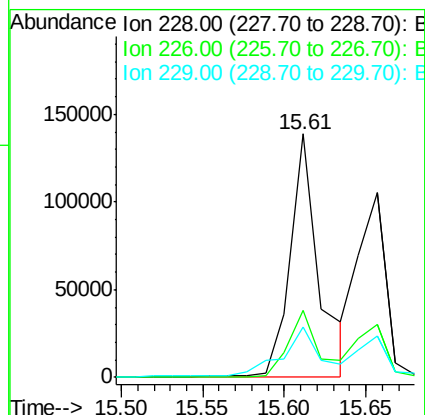
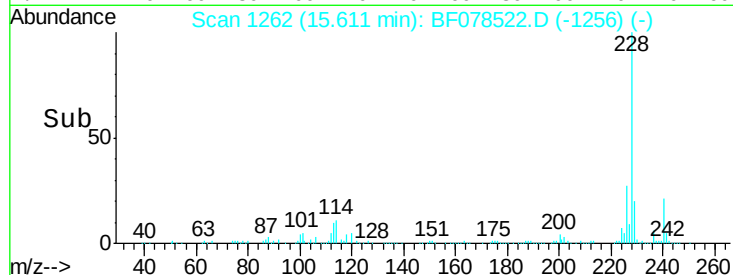
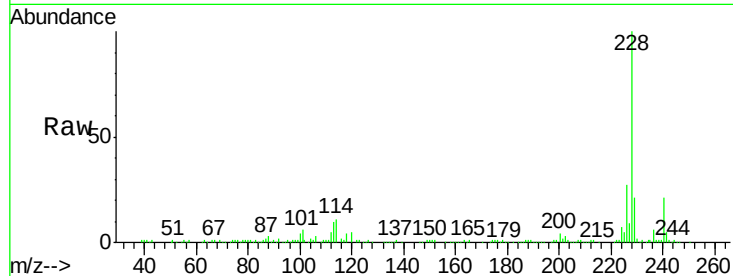
Tgt Ion:228 Resp: 170039

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

229 20.6 15.4 23.2



#82

Chrysene

Concen: 15.78 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

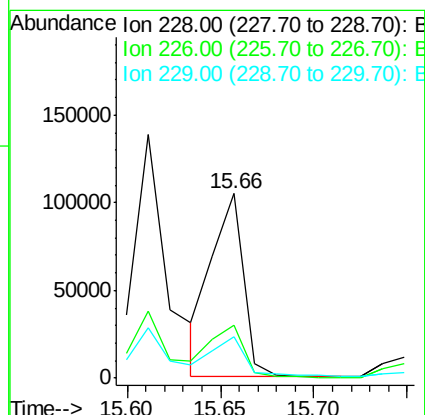
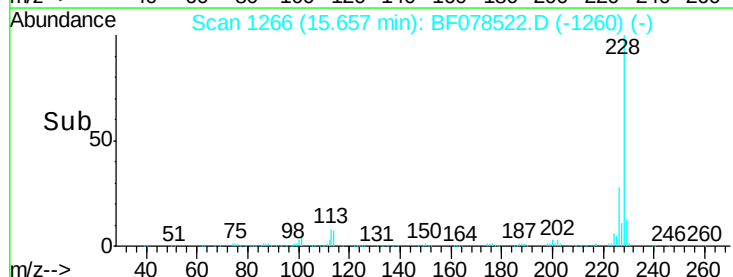
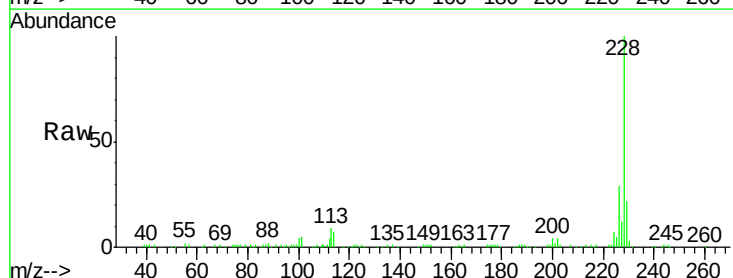
Tgt Ion:228 Resp: 125836

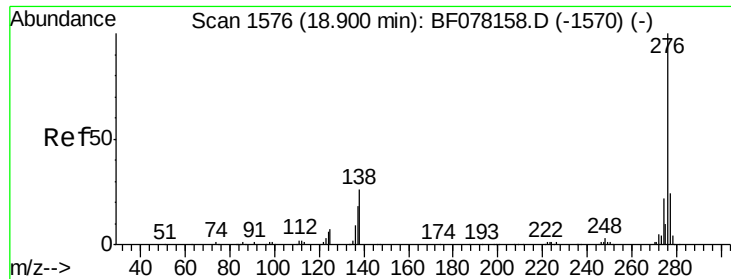
Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.4

229 22.2 15.8 23.8

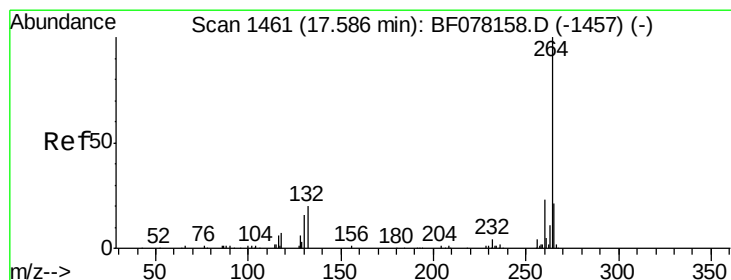
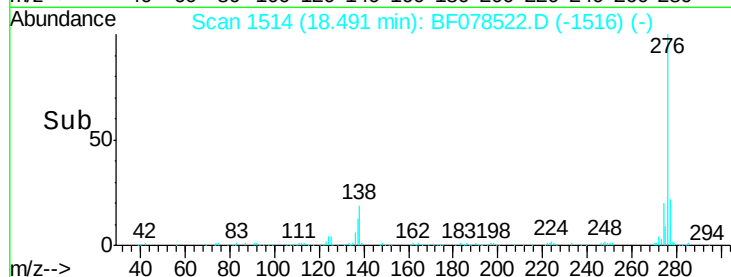
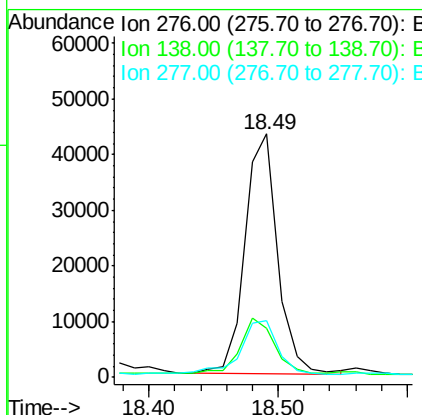
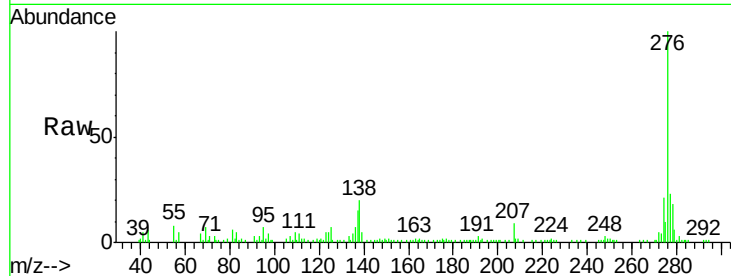




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.33 ng m
 RT: 18.49 min Scan# 1514
 Delta R.T. -0.32 min
 Lab File: BF078522.D
 Acq: 15 Apr 2015 2:13

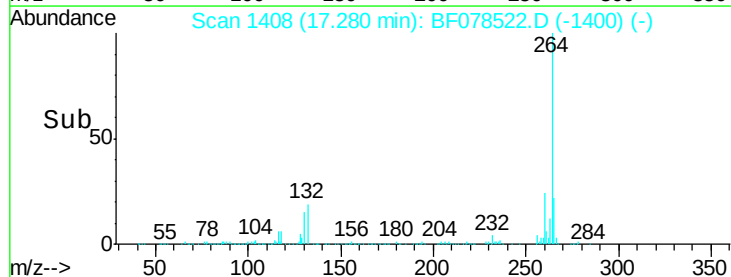
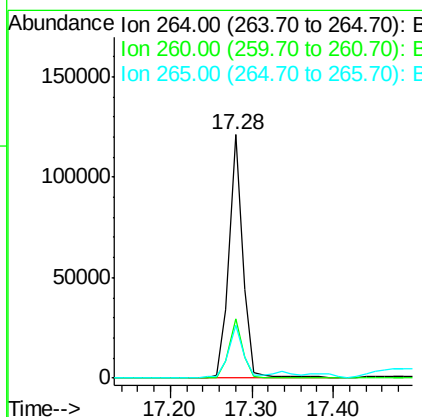
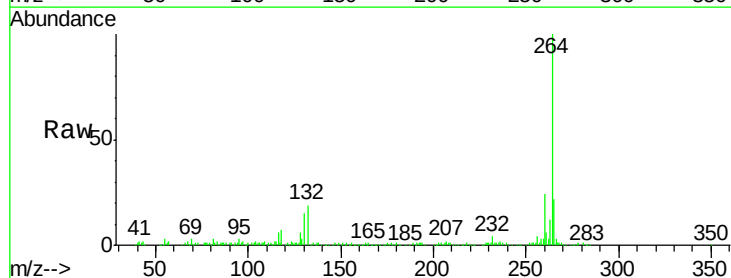
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

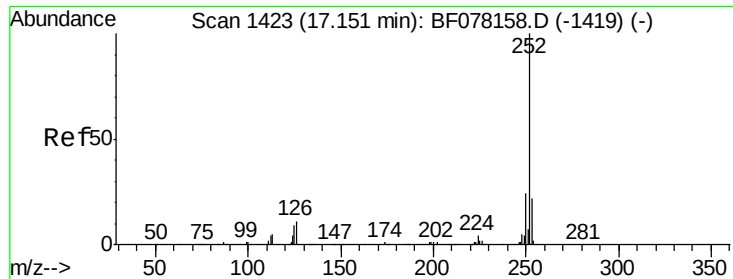
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	16.9	25.3
277	23.4	15.8	23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.28 min Scan# 1408
 Delta R.T. -0.21 min
 Lab File: BF078522.D
 Acq: 15 Apr 2015 2:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	21.8	17.0	25.6

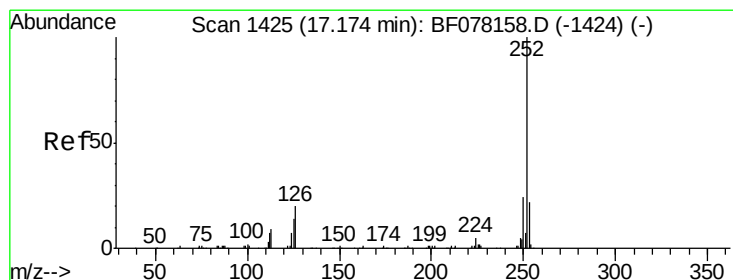
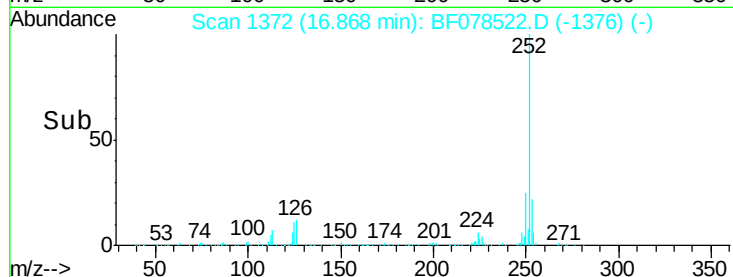
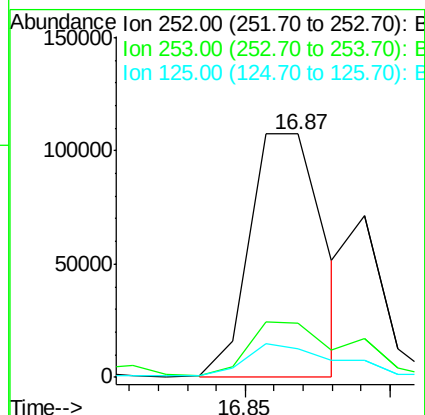
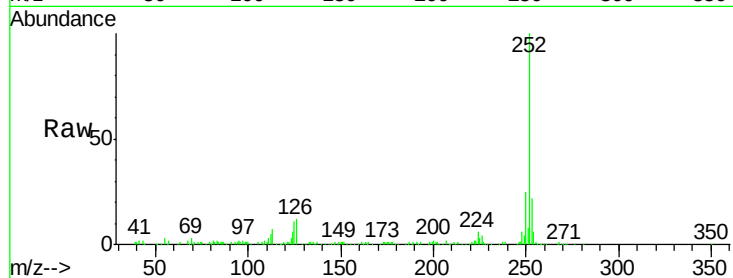




#87
Benzo(b)fluoranthene
Concen: 21.76 ng m
RT: 16.87 min Scan# 1372
Delta R.T. -0.15 min
Lab File: BF078522.D
Acq: 15 Apr 2015 2:13

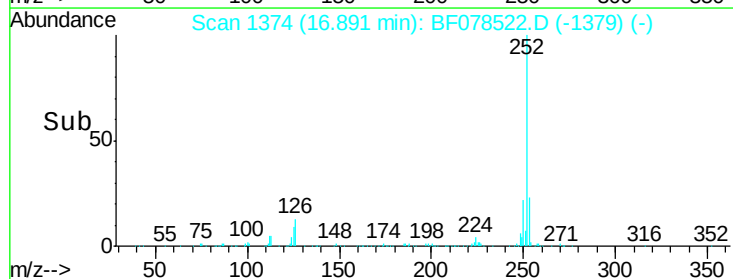
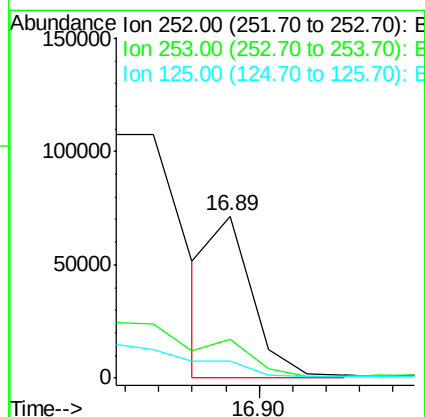
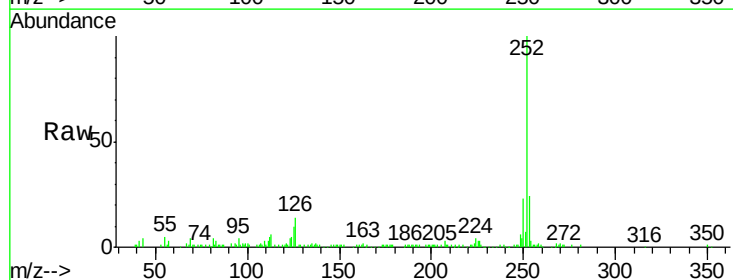
Instrument :
BNA_F
ClientSampleId :
SP-1

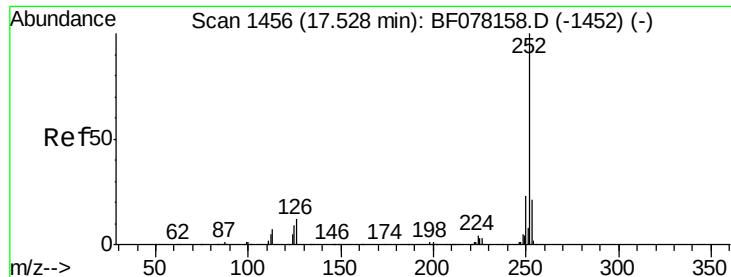
Tgt Ion:252 Resp: 194029
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 11.5 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 7.54 ng m
RT: 16.89 min Scan# 1374
Delta R.T. -0.16 min
Lab File: BF078522.D
Acq: 15 Apr 2015 2:13

Tgt Ion:252 Resp: 59778
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 10.4 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 15.53 ng

RT: 17.22 min Scan# 1403

Delta R.T. -0.19 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SP-1

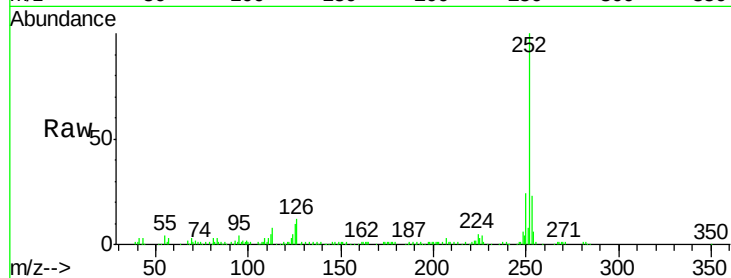
Tgt Ion:252 Resp: 120837

Ion Ratio Lower Upper

252 100

253 22.6 16.8 25.2

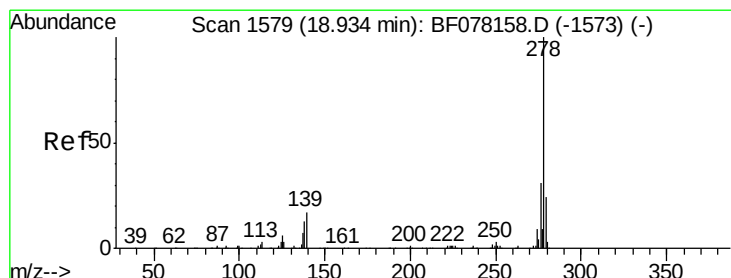
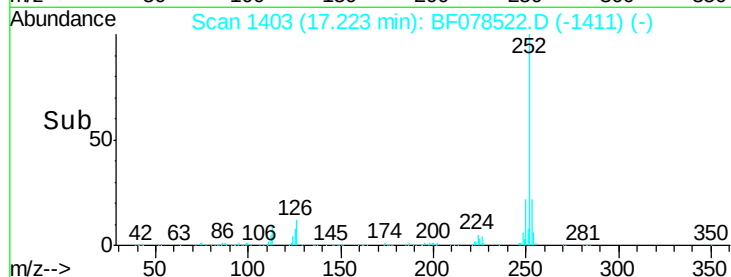
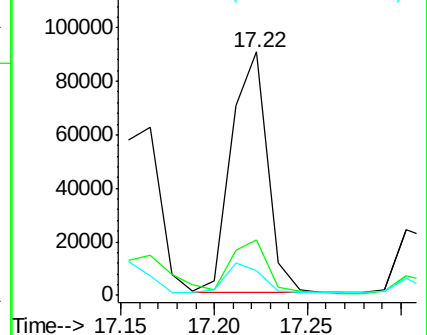
125 10.0 7.4 11.0



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: 2.15 ng m

RT: 18.50 min Scan# 1515

Delta R.T. -0.33 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

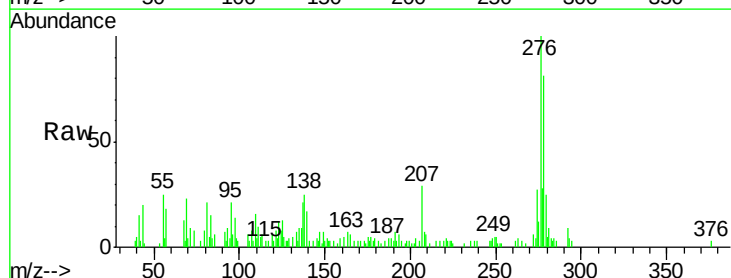
Tgt Ion:278 Resp: 16783

Ion Ratio Lower Upper

278 100

139 20.4 13.6 20.4#

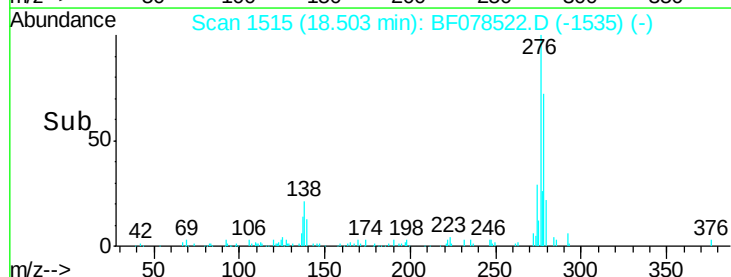
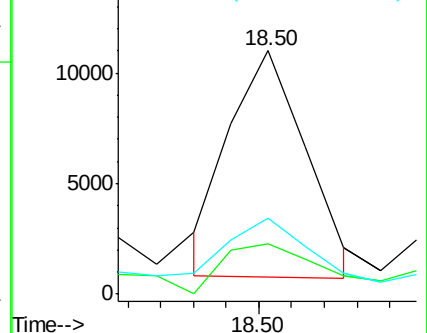
279 31.4 19.0 28.6#

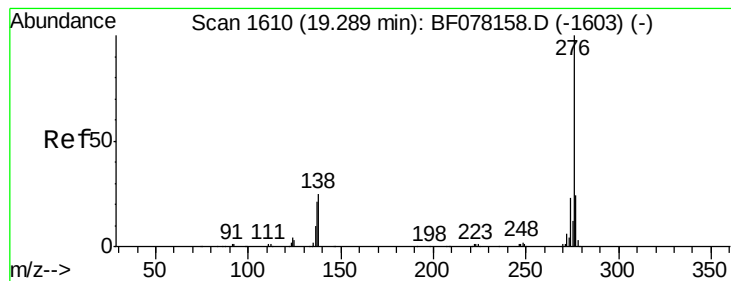


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.11 ng m

RT: 18.83 min Scan# 1544

Delta R.T. -0.32 min

Lab File: BF078522.D

Acq: 15 Apr 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SP-1

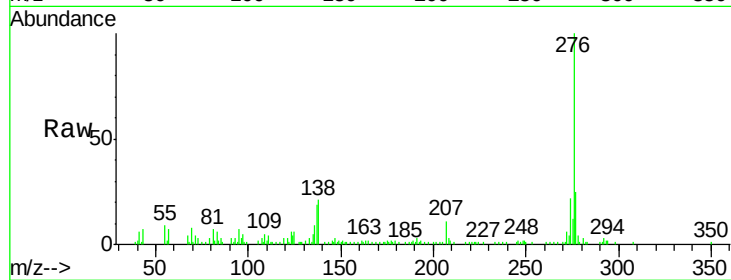
Tgt Ion: 276 Resp: 71147

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 21.4 19.9 29.9



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

