

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078507.D
 Acq On : 14 Apr 2015 19:02
 Operator : TP/IZ
 Sample : G1828-03 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06A

Quant Time: Apr 15 01:23:40 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

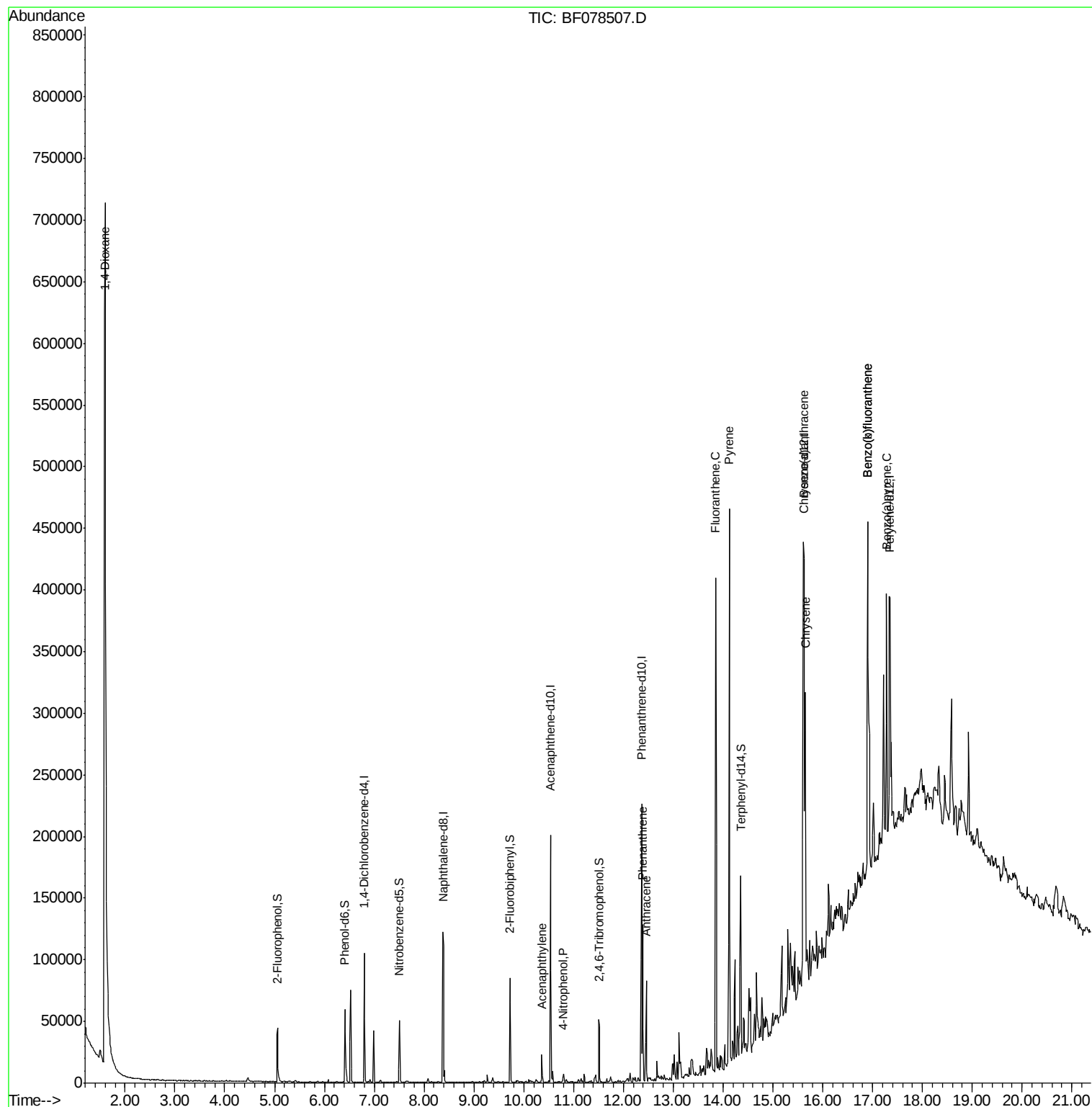
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	20008	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	84701	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	46029	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	96873	20.00	ng	0.00
75) Chrysene-d12	15.62	240	113241	20.00	ng	-0.03
86) Perylene-d12	17.35	264	119041	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	22206	18.30	ng	0.01
7) Phenol-d6	6.41	99	31453	20.68	ng	0.00
23) Nitrobenzene-d5	7.51	82	17395	12.45	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	8770	22.97	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	39079	12.14	ng	-0.01
78) Terphenyl-d14	14.35	244	52667	10.51	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.60	88	36179	65.93	ng	Qvalue # 25
48) Acenaphthylene	10.36	152	11788	2.46	ng	98
55) 4-Nitrophenol	10.80	139	1462	5.13	ng	# 18
70) Phenanthrene	12.39	178	53668	9.58	ng	99
71) Anthracene	12.46	178	38050	6.89	ng	98
74) Fluoranthene	13.85	202	192725	32.61	ng	97
77) Pyrene	14.13	202	173579	24.42	ng	# 96
80) Benzo(a)anthracene	15.61	228	137435	20.40	ng	97
82) Chrysene	15.66	228	114066	18.02	ng	99
87) Benzo(b)fluoranthene	16.90	252	176619	24.01	ng	# 95
88) Benzo(k)fluoranthene	16.90	252	213358	32.63	ng	98
89) Benzo(a)pyrene	17.28	252	91218	14.21	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: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

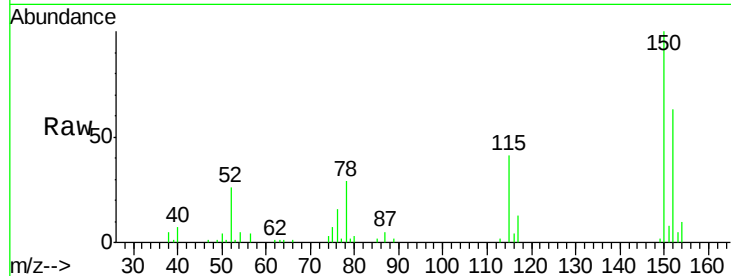
Tgt Ion:152 Resp: 20008

Ion Ratio Lower Upper

152 100

150 159.7 125.9 188.9

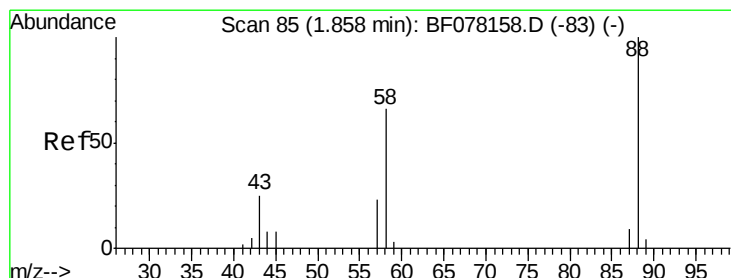
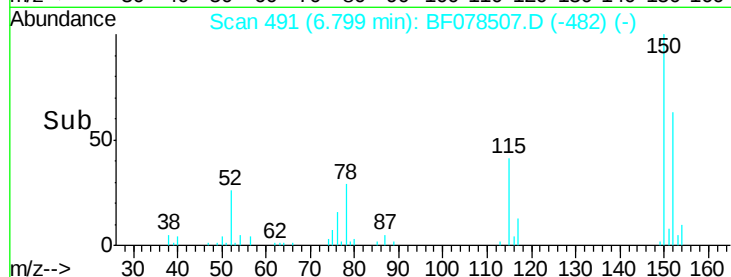
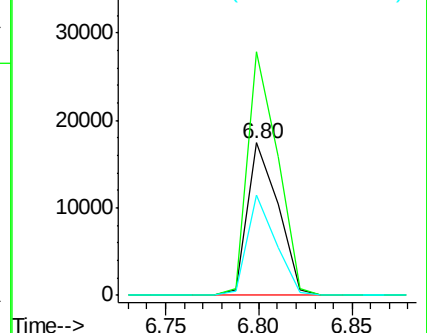
115 65.6 52.7 79.1



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



#2

1,4-Dioxane

Concen: 65.93 ng

RT: 1.60 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

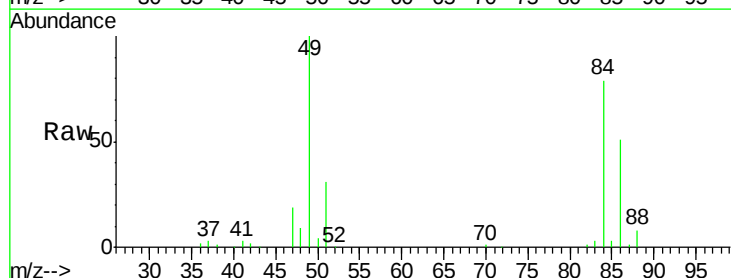
Tgt Ion: 88 Resp: 36179

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

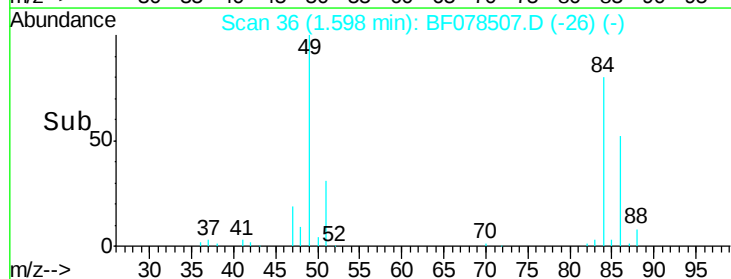
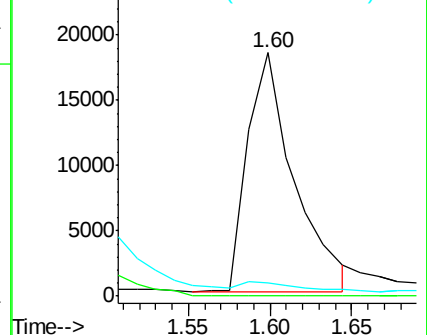
43 2.8 21.4 32.2#

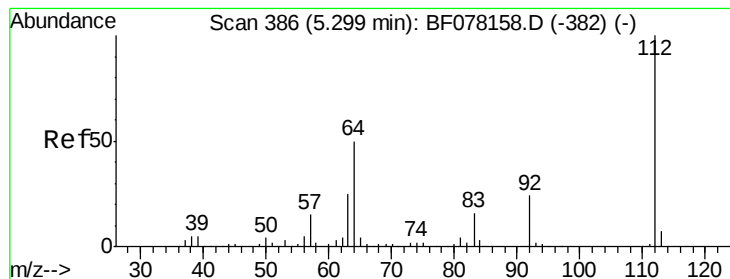


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 18.30 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

Instrument :

BNA_F

ClientSampled :

HS-SB06A

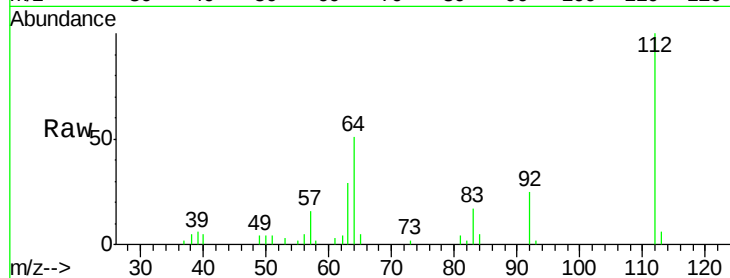
Tgt Ion: 112 Resp: 22206

Ion Ratio Lower Upper

112 100

64 51.4 39.9 59.9

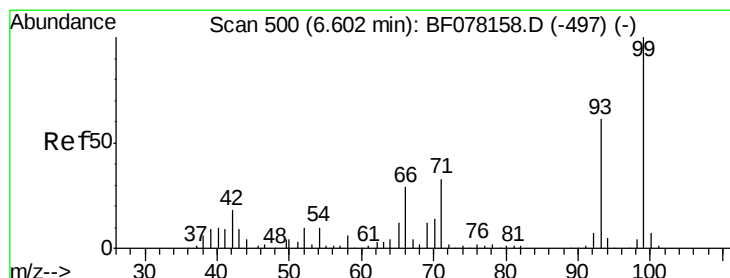
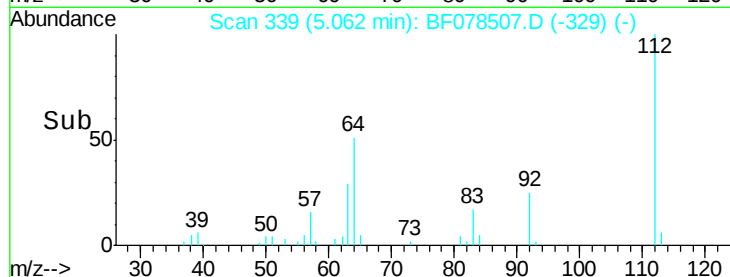
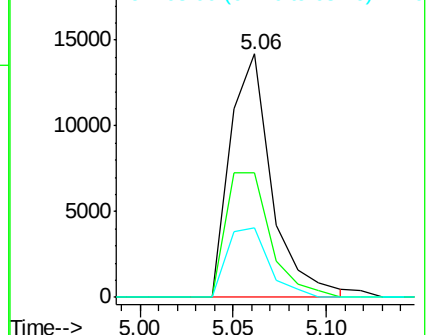
63 28.6 20.2 30.4



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: 20.68 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

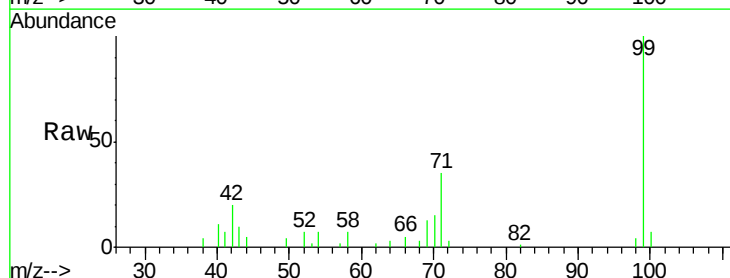
Tgt Ion: 99 Resp: 31453

Ion Ratio Lower Upper

99 100

42 19.7 14.8 22.2

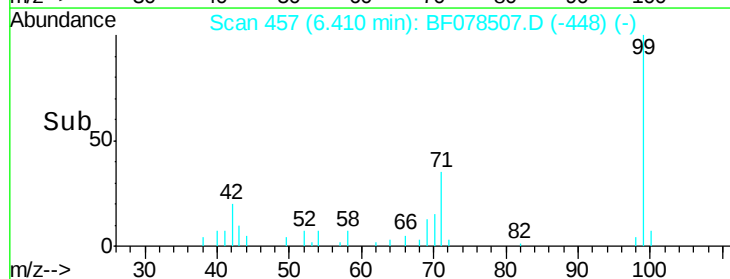
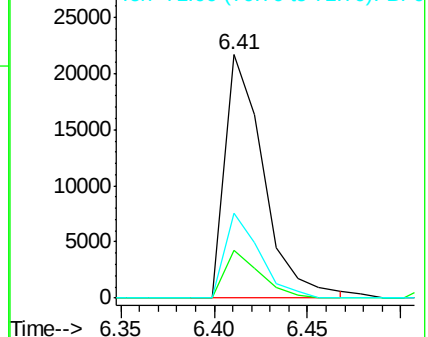
71 34.9 26.6 39.8

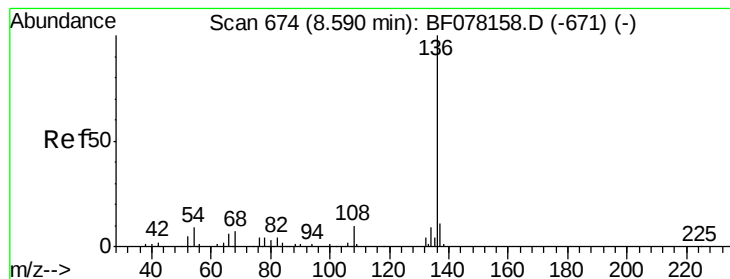


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF078507.D

Acq: 14 Apr 2015 19:02

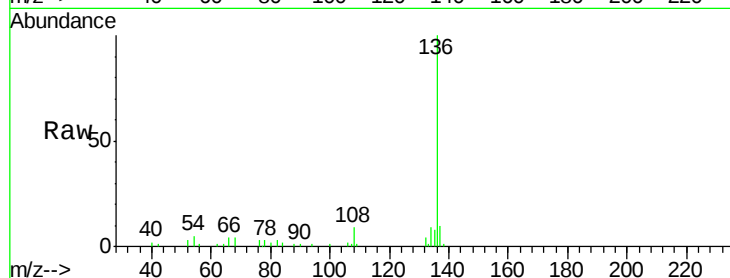
Instrument :

BNA_F

ClientSampleId :

HS-SB06A

Tgt Ion:	136	Resp:	84701
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.0	13.4
54	5.4	7.0	10.6#
68	4.4	5.4	8.2#

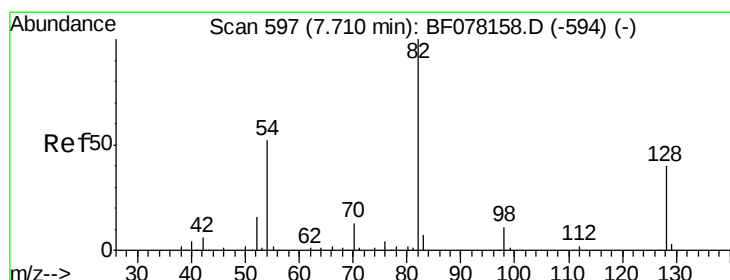
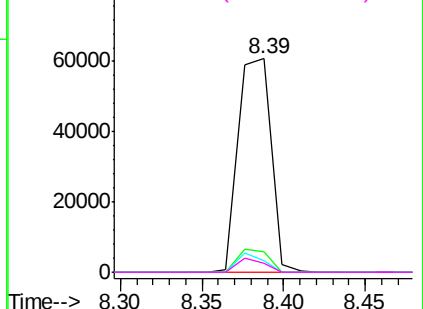
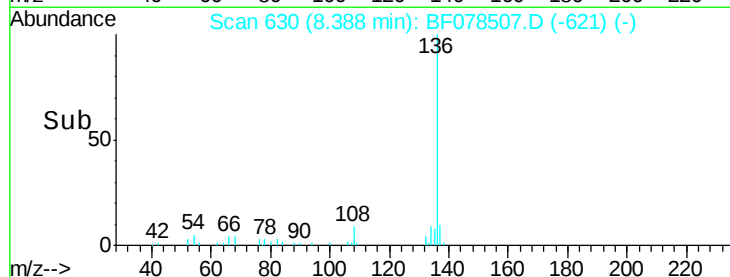


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.45 ng

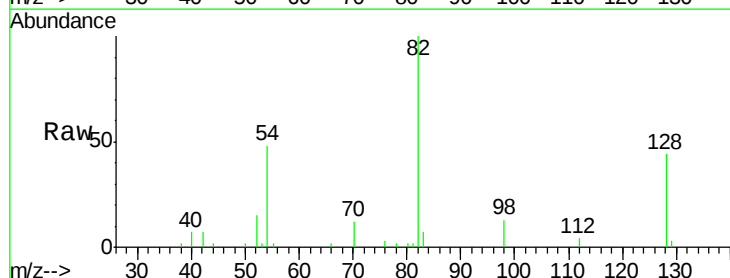
RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

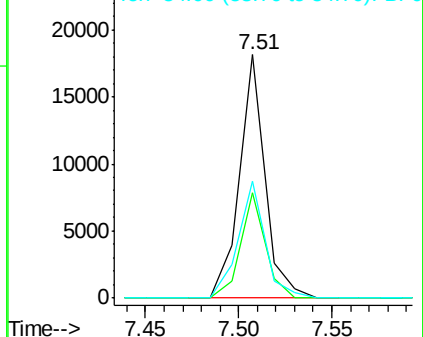
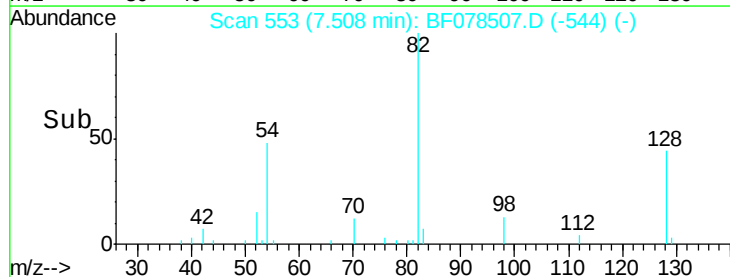
Tgt Ion:	82	Resp:	17395
Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.8	47.8
54	47.9	41.5	62.3

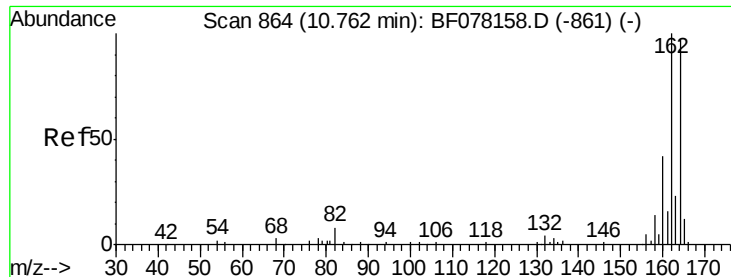


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

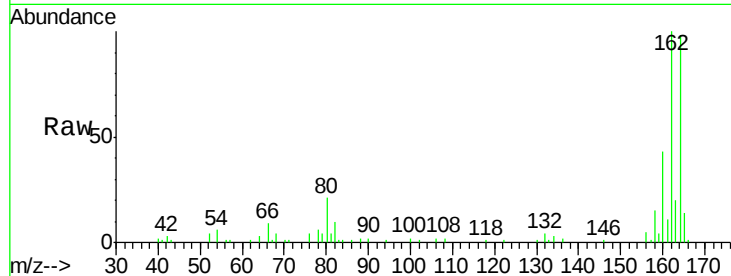




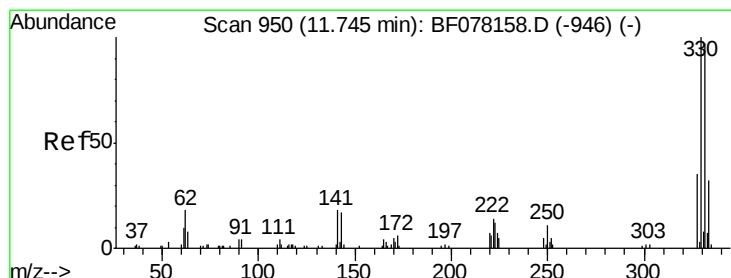
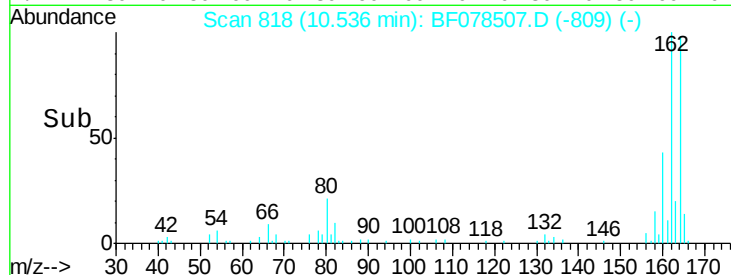
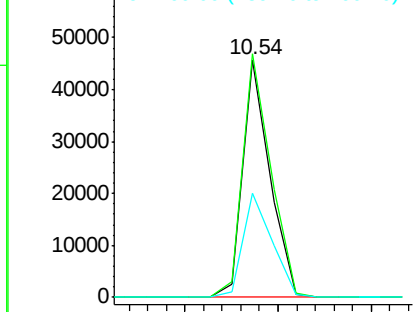
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06A

Tgt Ion:164 Resp: 46029
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.2 123.2
 160 43.9 34.7 52.1

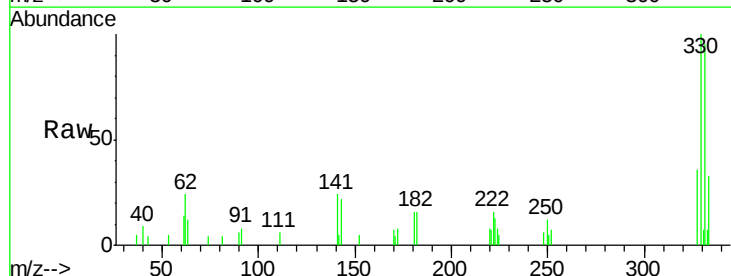


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

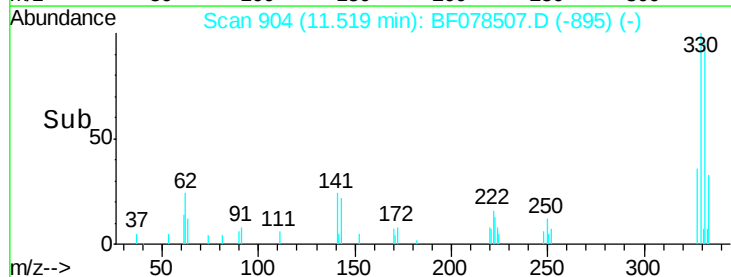
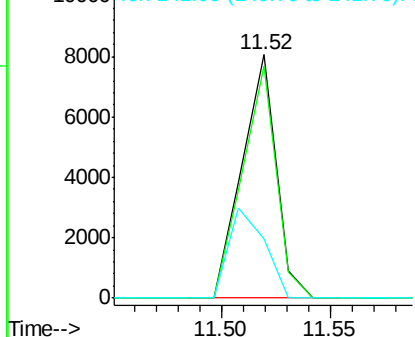


#41
 2,4,6-Tribromophenol
 Concen: 22.97 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Tgt Ion:330 Resp: 8770
 Ion Ratio Lower Upper
 330 100
 332 94.6 78.6 117.8
 141 38.7 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

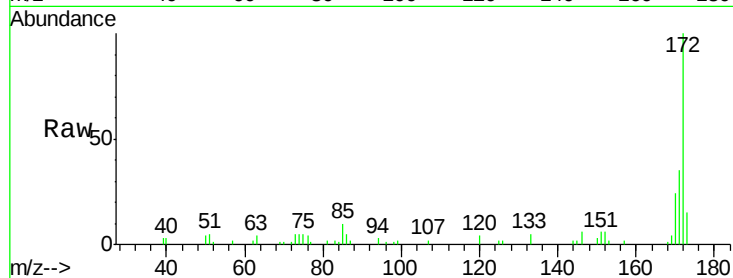




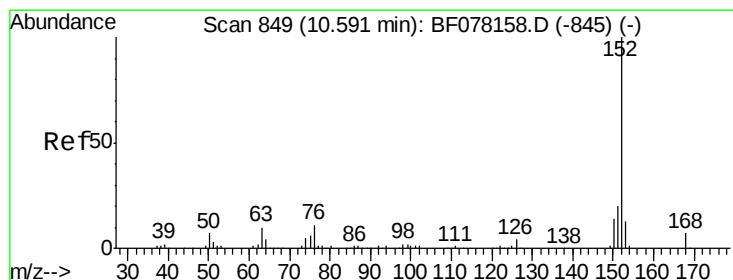
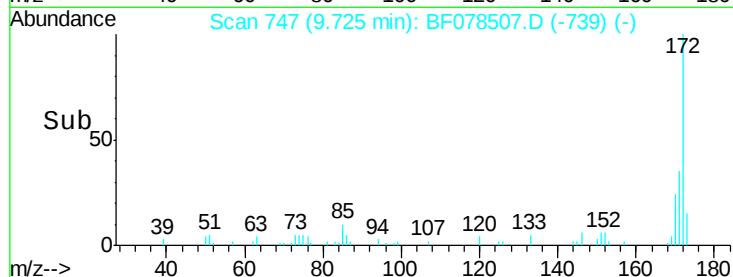
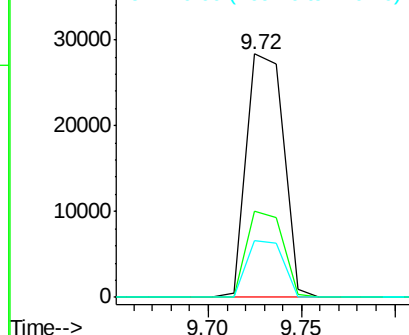
#44
 2-Fluorobiphenyl
 Concen: 12.14 ng
 RT: 9.72 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06A

Tgt Ion:172 Resp: 39079
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.5 18.5 27.7

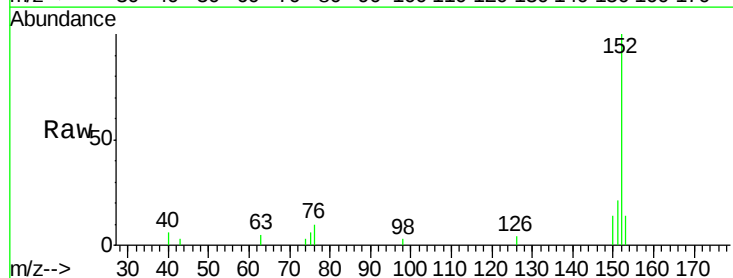


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

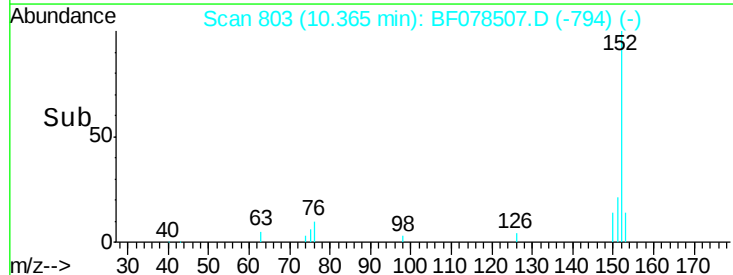
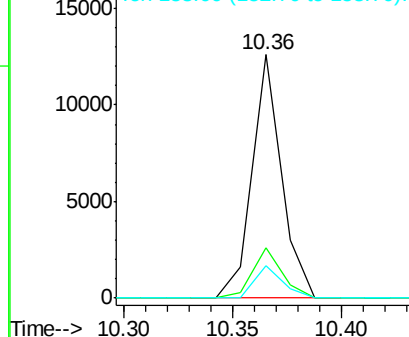


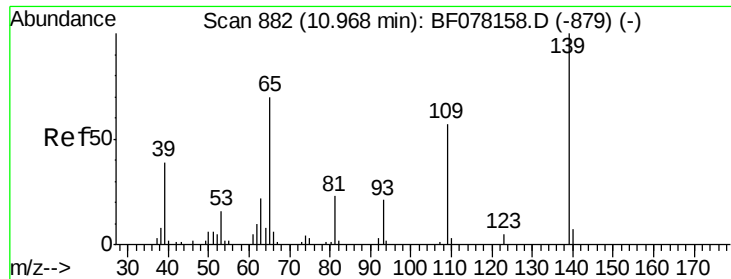
#48
 Acenaphthylene
 Concen: 2.46 ng
 RT: 10.36 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Tgt Ion:152 Resp: 11788
 Ion Ratio Lower Upper
 152 100
 151 20.5 15.7 23.5
 153 13.5 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

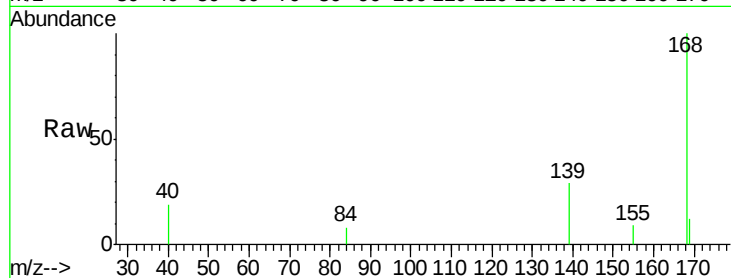




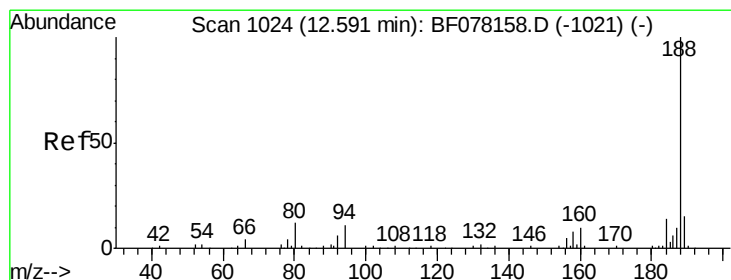
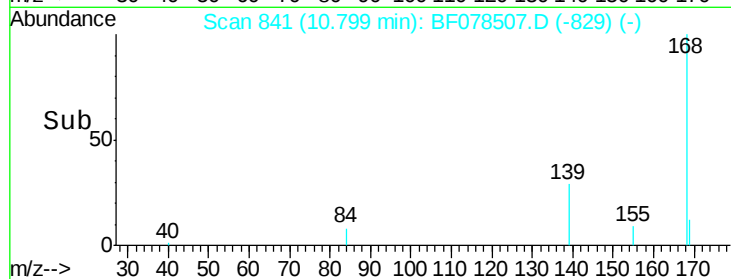
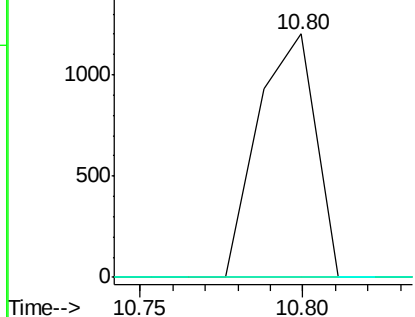
#55
4-Nitrophenol
Concen: 5.13 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.03 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

Instrument :
BNA_F
ClientSampleId :
HS-SB06A

Tgt Ion:139 Resp: 1462
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

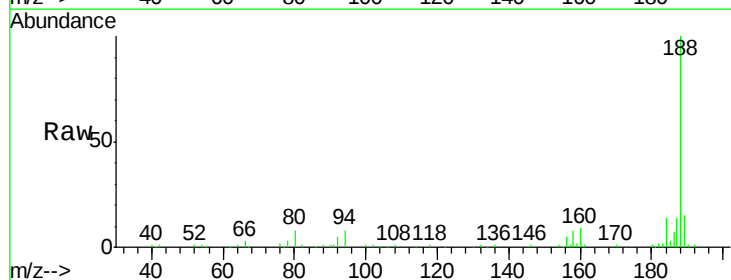


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

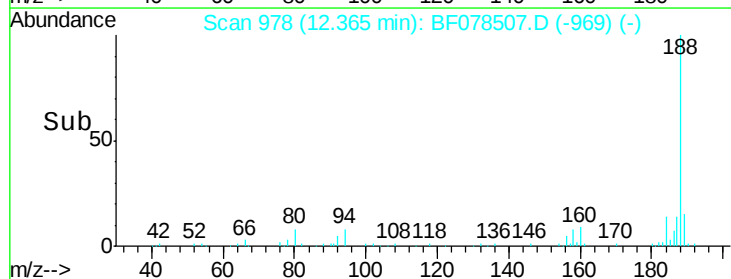
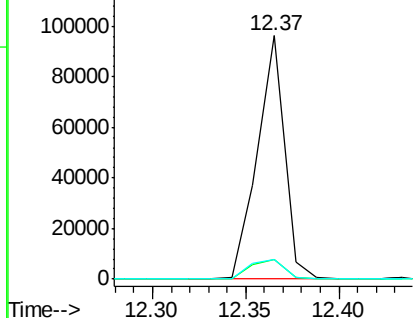


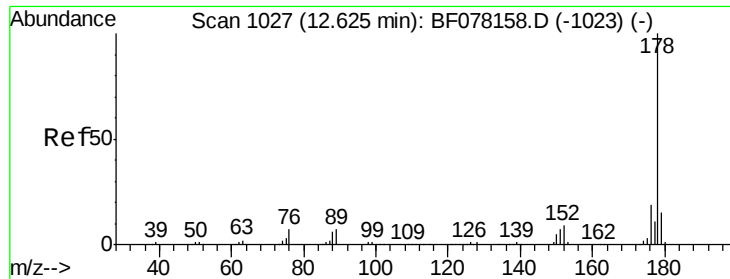
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

Tgt Ion:188 Resp: 96873
Ion Ratio Lower Upper
188 100
94 8.3 9.0 13.4#
80 8.3 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

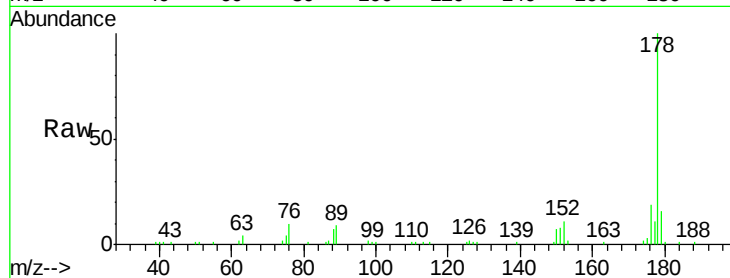




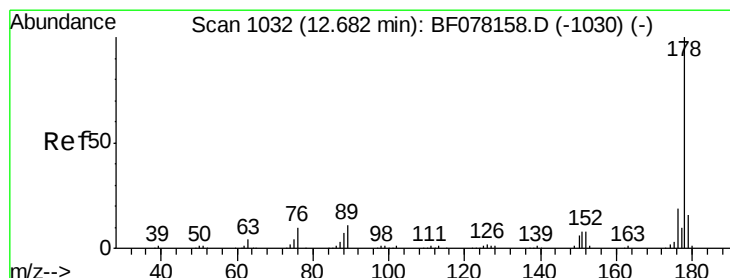
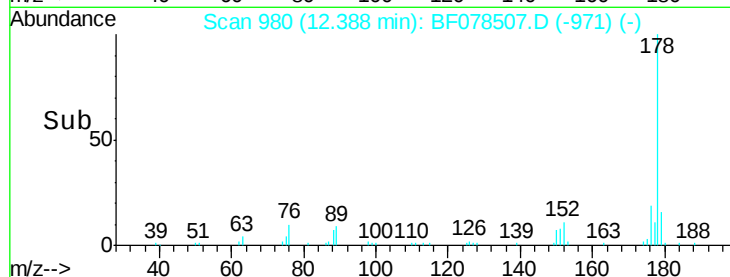
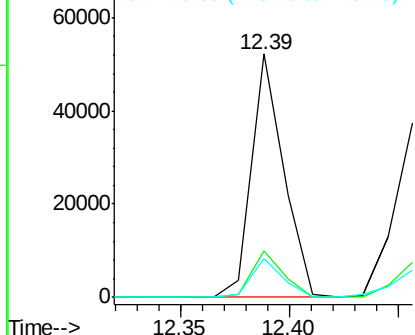
#70
 Phenanthrene
 Concen: 9.58 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06A

Tgt Ion:178 Resp: 53668
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 16.2 12.2 18.2

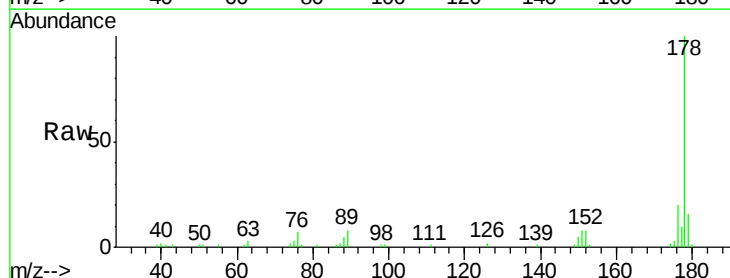


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

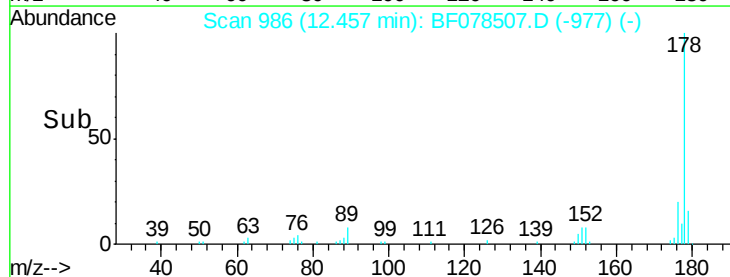
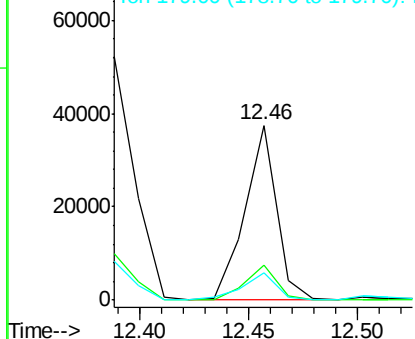


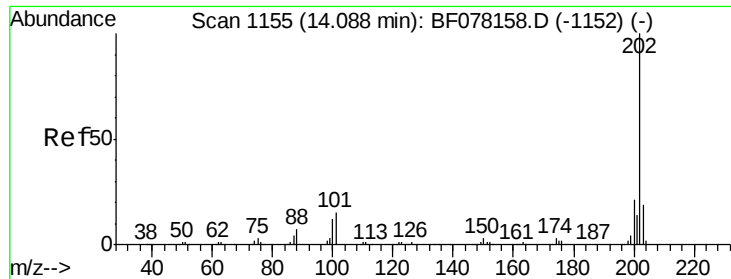
#71
 Anthracene
 Concen: 6.89 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Tgt Ion:178 Resp: 38050
 Ion Ratio Lower Upper
 178 100
 176 19.8 14.8 22.2
 179 15.7 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

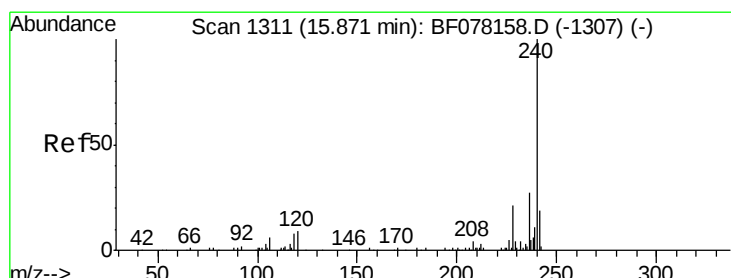
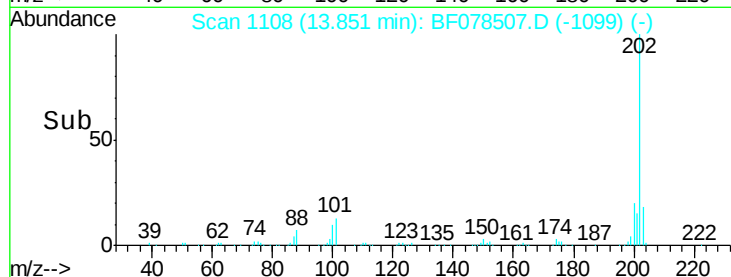
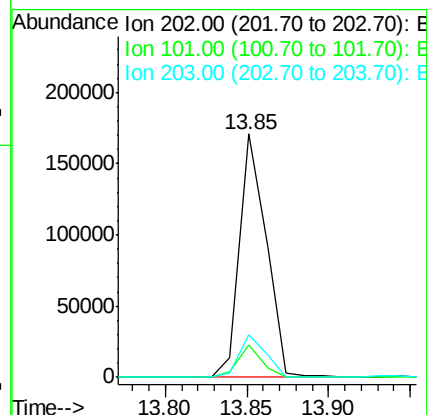
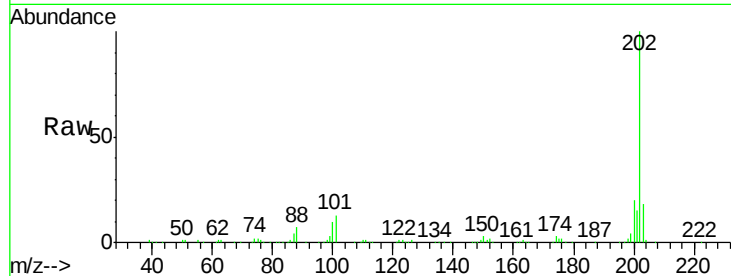




#74
Fluoranthene
Concen: 32.61 ng
RT: 13.85 min Scan# 1108
Delta R.T. 0.00 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

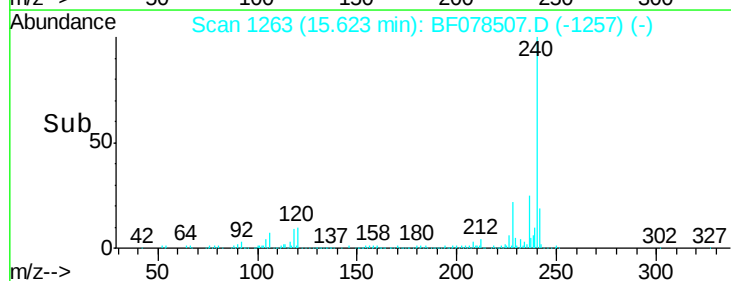
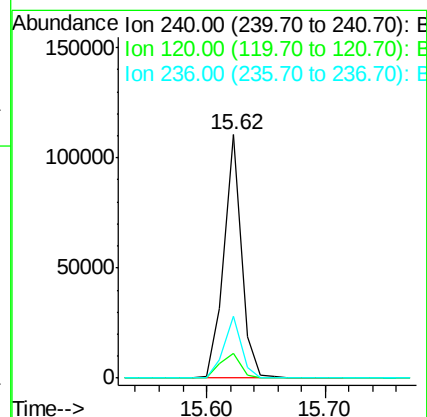
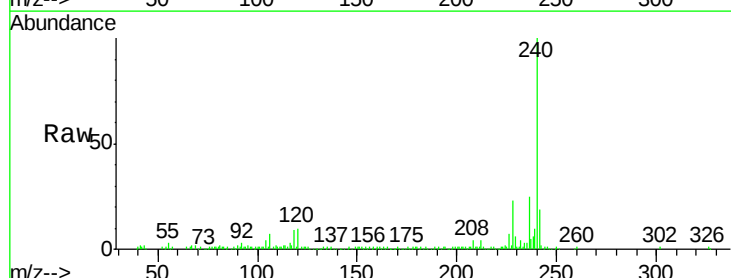
Instrument :
BNA_F
ClientSampleId :
HS-SB06A

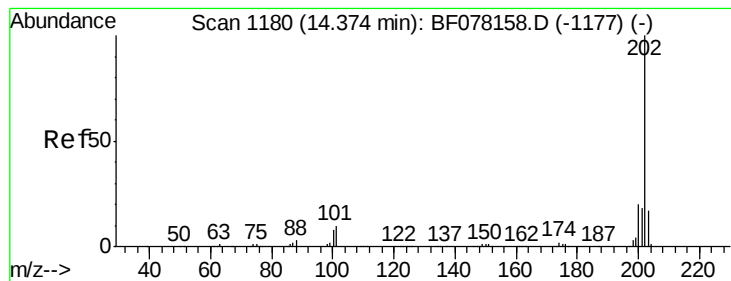
Tgt Ion: 202 Resp: 192725
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.2
203 17.6 0.0 38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.03 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

Tgt Ion: 240 Resp: 113241
Ion Ratio Lower Upper
240 100
120 10.2 7.1 10.7
236 25.2 21.4 32.2





#77

Pyrene

Concen: 24.42 ng

RT: 14.13 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

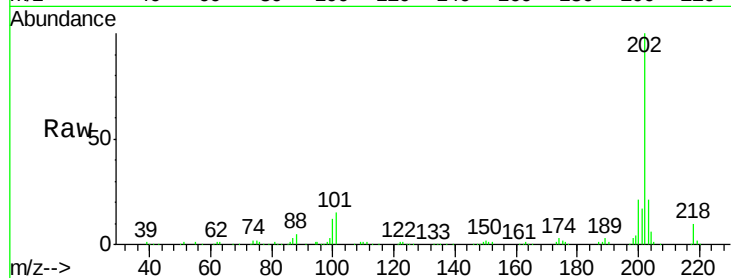
Tgt Ion: 202 Resp: 173579

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

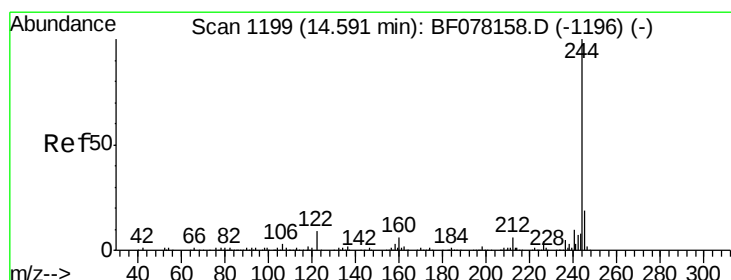
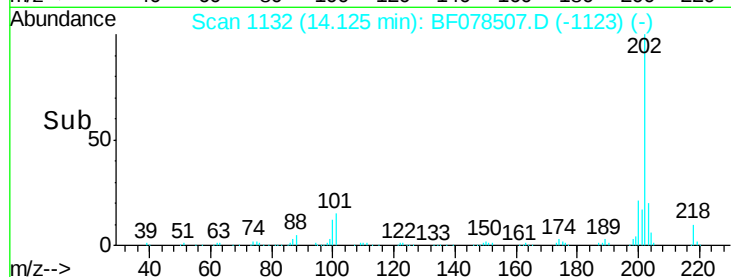
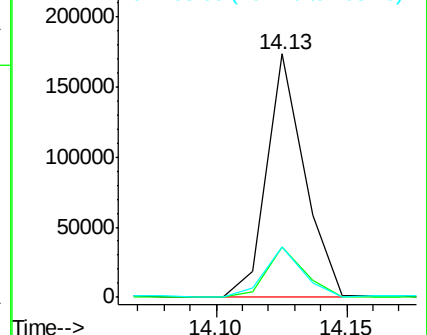
203 20.9 13.8 20.6#



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: 10.51 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

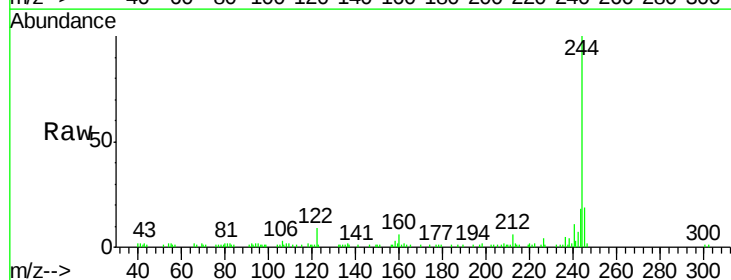
Tgt Ion: 244 Resp: 52667

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

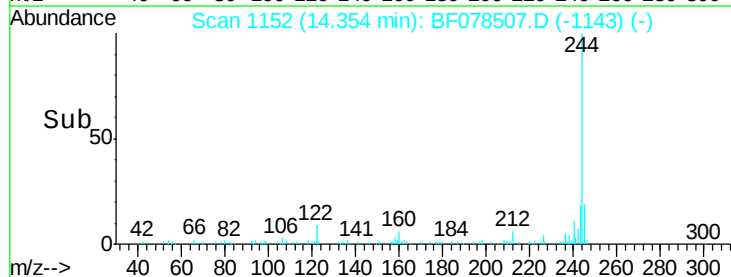
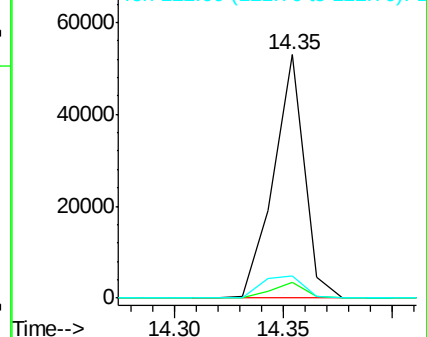
122 9.0 7.1 10.7

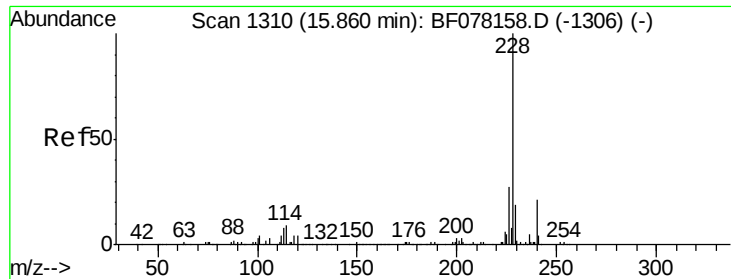


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.40 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

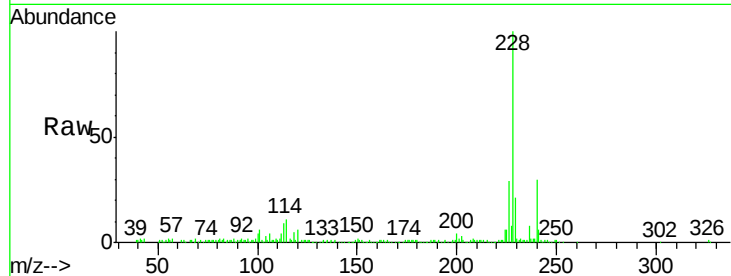
Tgt Ion:228 Resp: 137435

Ion Ratio Lower Upper

228 100

226 28.6 21.3 31.9

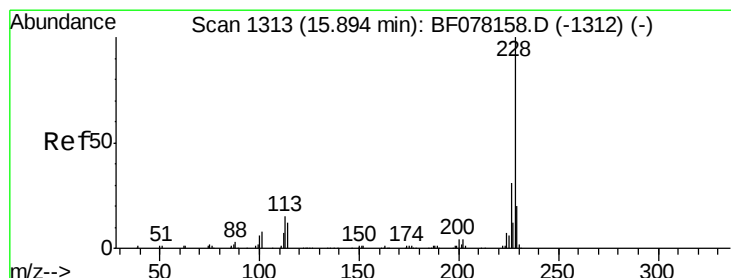
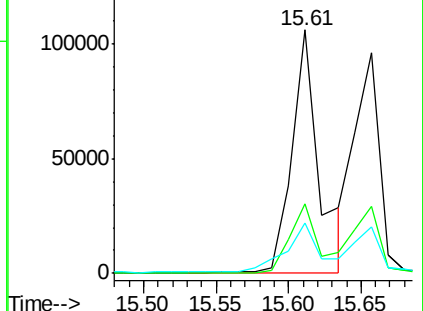
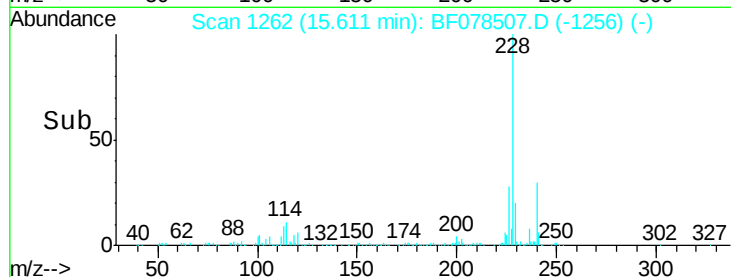
229 20.5 15.4 23.2



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: 18.02 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

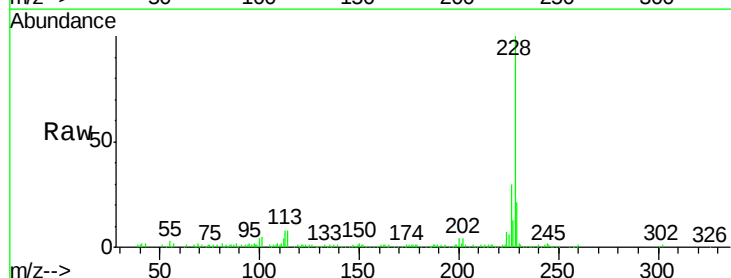
Tgt Ion:228 Resp: 114066

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

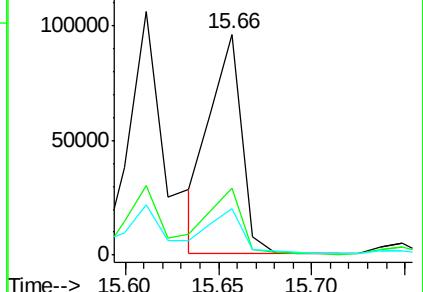
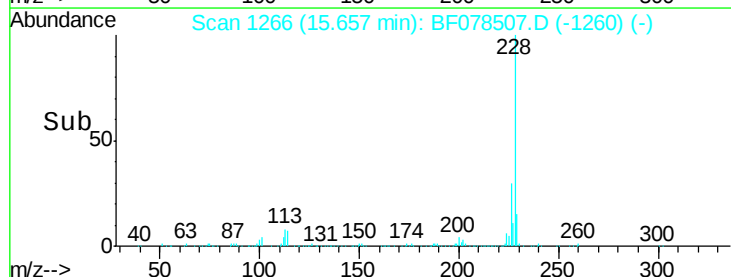
229 20.9 15.8 23.8

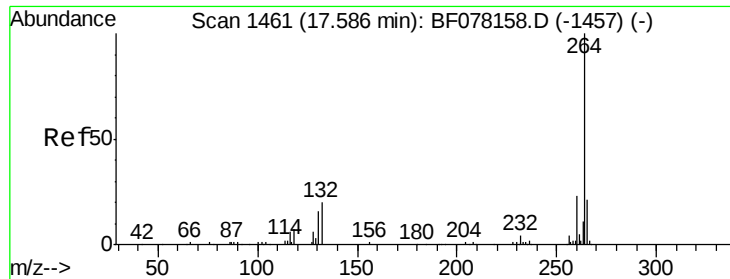


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.35 min Scan# 1414

Delta R.T. -0.14 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

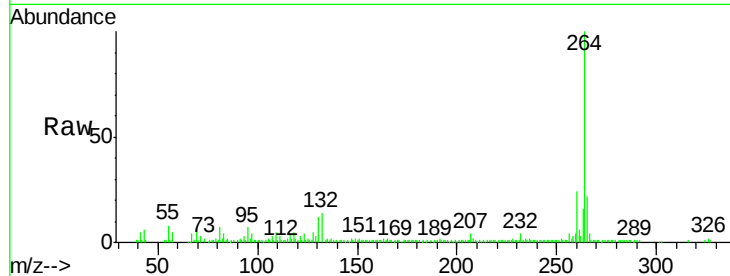
Tgt Ion:264 Resp: 119041

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

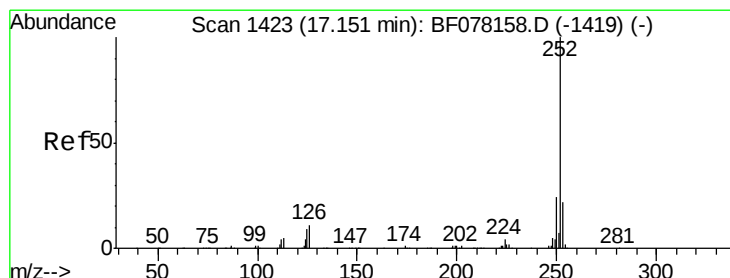
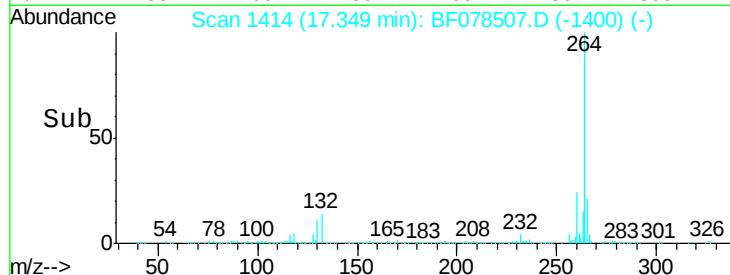
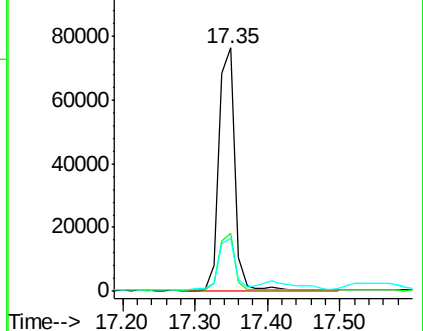
265 21.6 17.0 25.6



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: 24.01 ng

RT: 16.90 min Scan# 1375

Delta R.T. -0.11 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

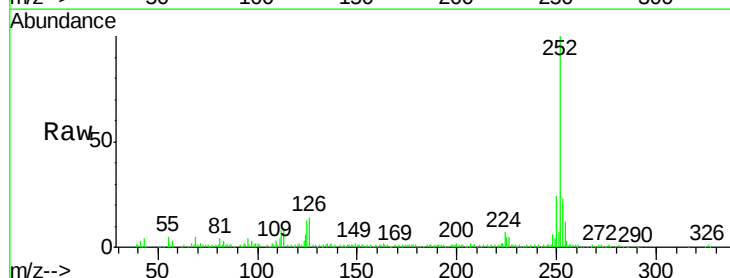
Tgt Ion:252 Resp: 176619

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

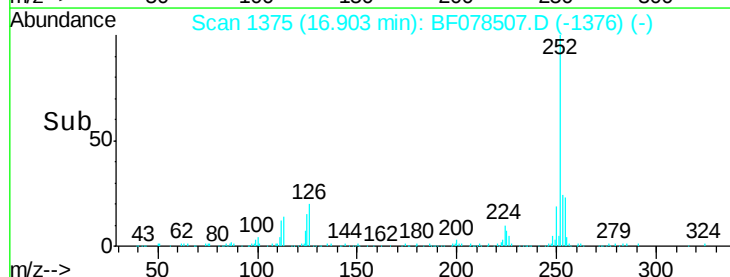
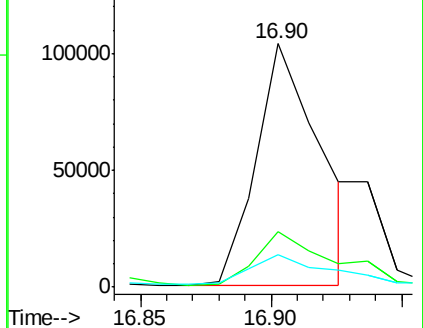
125 13.1 7.0 10.4

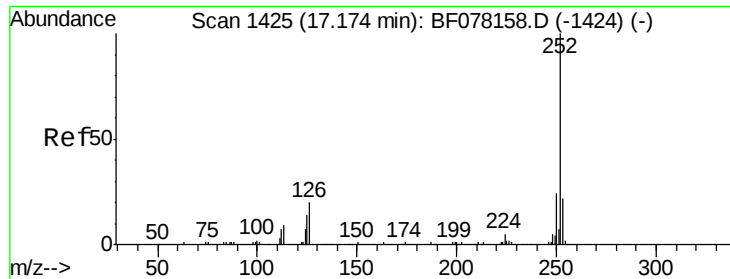


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

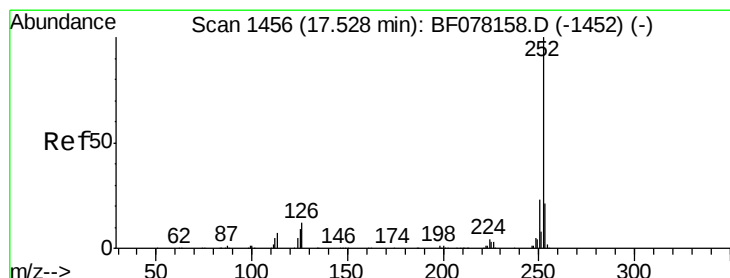
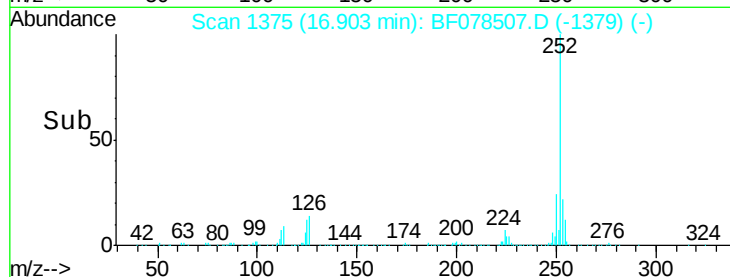
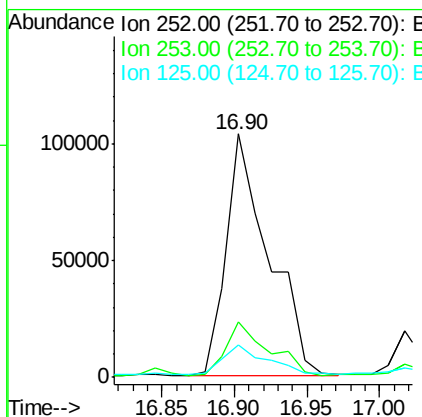
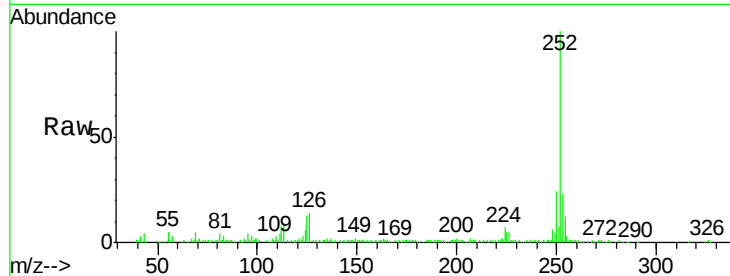




#88
Benzo(k)fluoranthene
Concen: 32.63 ng
RT: 16.90 min Scan# 1375
Delta R.T. -0.15 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

Instrument :
BNA_F
ClientSampleId :
HS-SB06A

Tgt Ion:252 Resp: 213358
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 13.1 11.6 17.4



#89
Benzo(a)pyrene
Concen: 14.21 ng
RT: 17.28 min Scan# 1408
Delta R.T. -0.14 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

Tgt Ion:252 Resp: 91218
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 12.1 7.4 11.0#

