

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 01:46:12 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

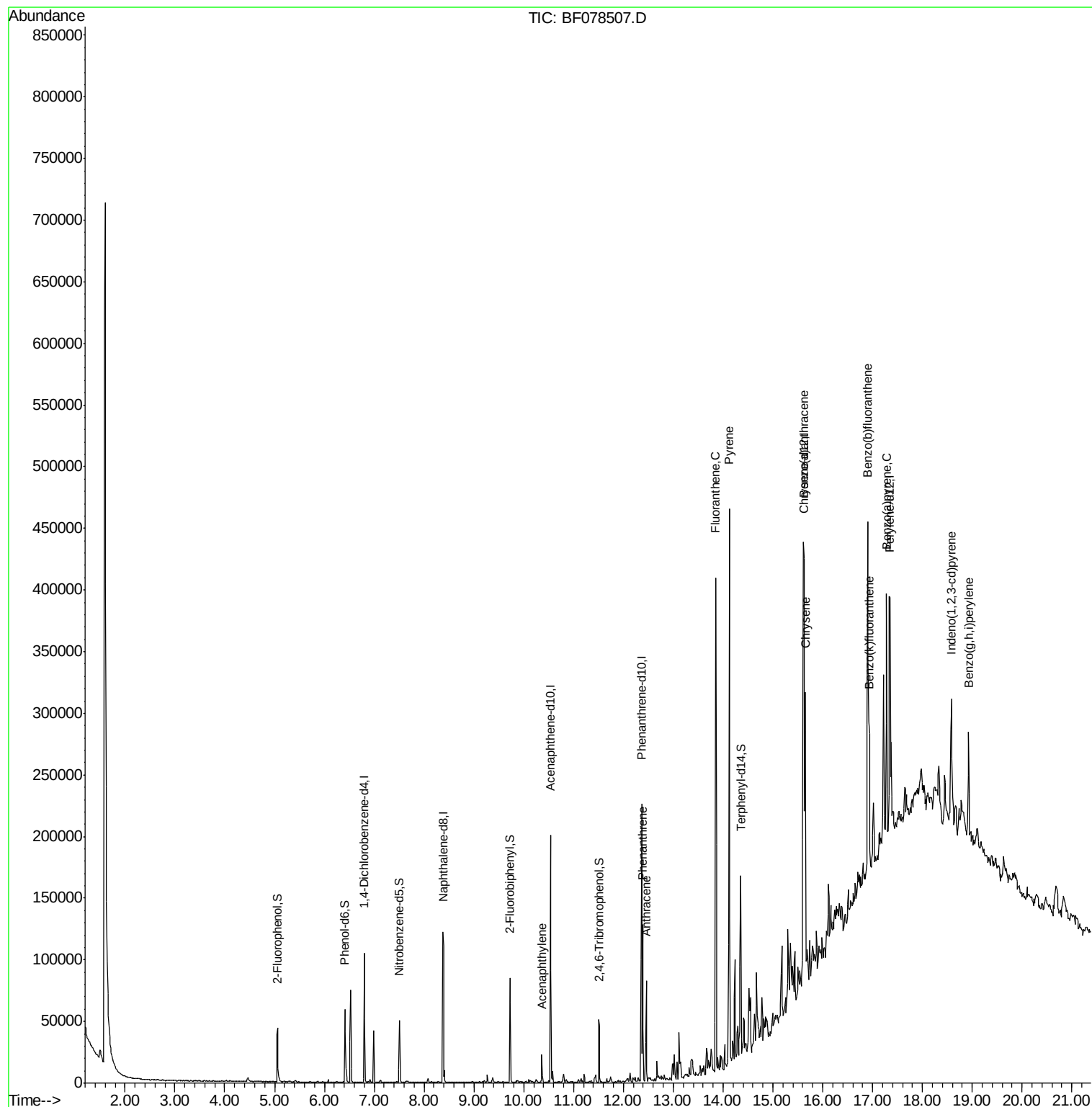
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	20008	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	84701	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	46029	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	96873	20.00	ng	0.00
75) Chrysene-d12	15.62	240	113241	20.00	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						Qvalue
48) Acenaphthylene	10.36	152	11788	2.46	ng	98
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
85) Indeno(1,2,3-cd)pyrene	18.58	276	61742m	8.60	ng	
87) Benzo(b)fluoranthene	16.90	252	176619	24.01	ng	# 95
88) Benzo(k)fluoranthene	16.94	252	37969m	5.81	ng	
89) Benzo(a)pyrene	17.28	252	91218	14.21	ng	# 94
91) Benzo(g,h,i)perylene	18.93	276	59158m	9.18	ng	

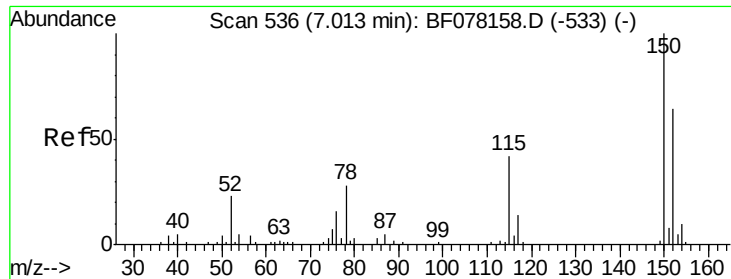
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078507.D

Acq: 14 Apr 2015 19:02

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

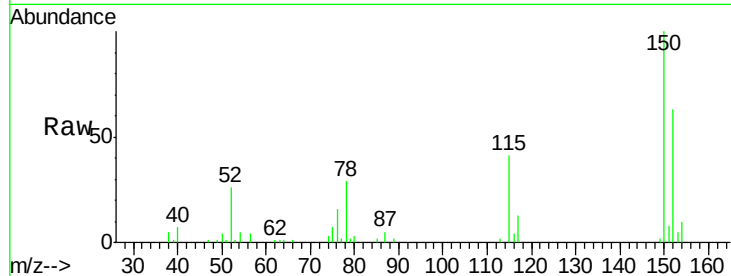
Tgt Ion:152 Resp: 20008

Ion Ratio Lower Upper

152 100

150 159.7 125.9 188.9

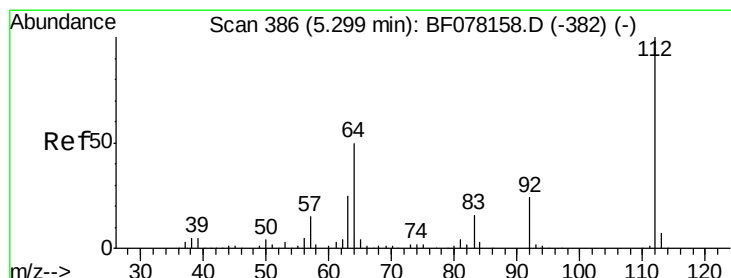
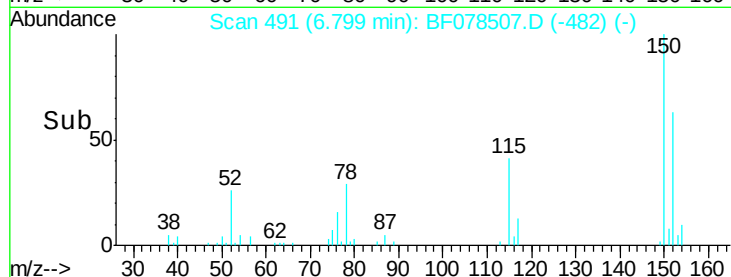
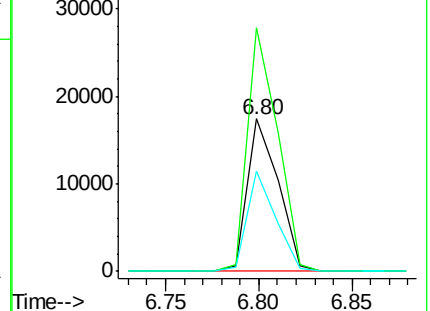
115 65.6 52.7 79.1



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



#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

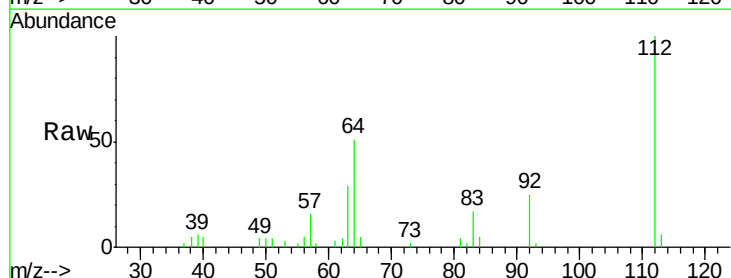
Tgt Ion:112 Resp: 22206

Ion Ratio Lower Upper

112 100

64 51.4 39.9 59.9

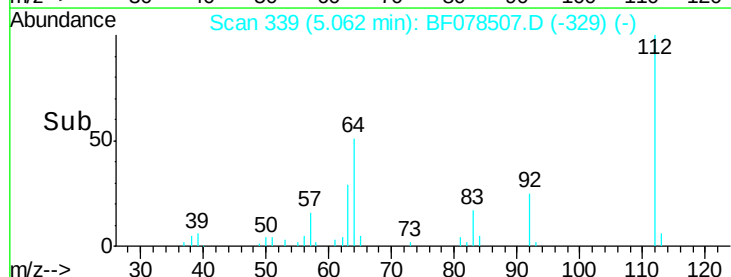
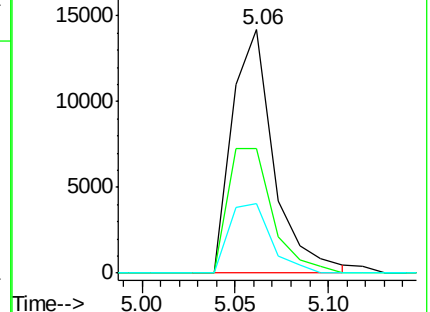
63 28.6 20.2 30.4

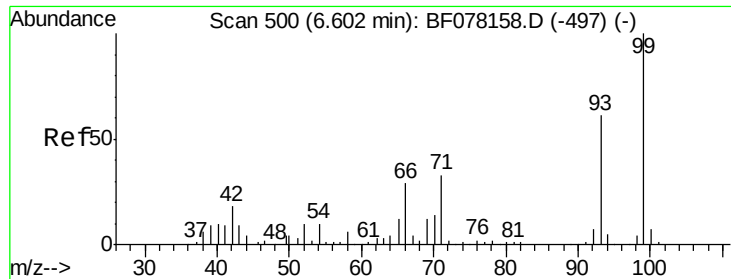


Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

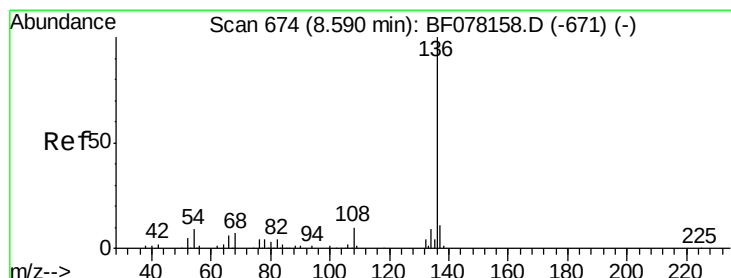
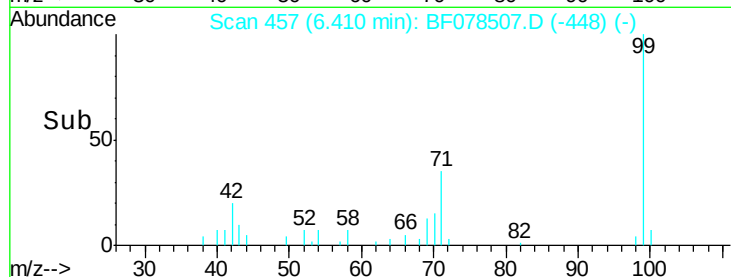
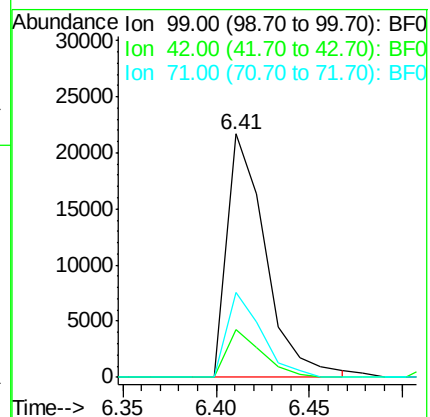
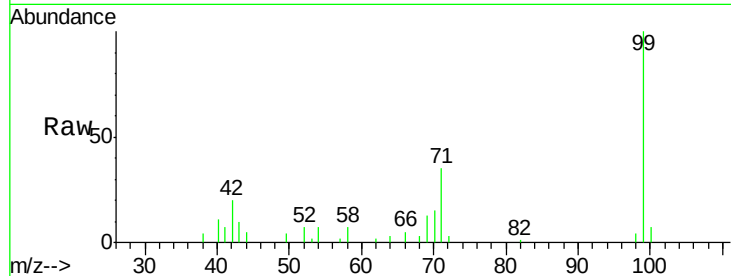
Tgt Ion: 99 Resp: 31453

Ion Ratio Lower Upper

99 100

42 19.7 14.8 22.2

71 34.9 26.6 39.8



#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

Tgt Ion: 136 Resp: 84701

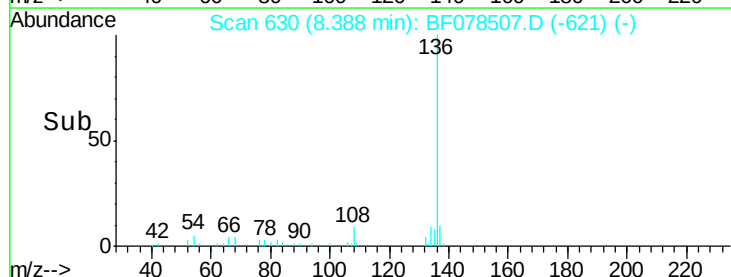
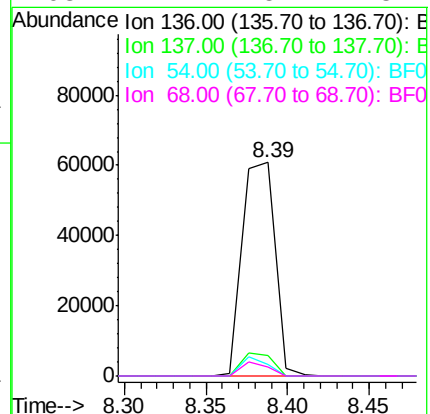
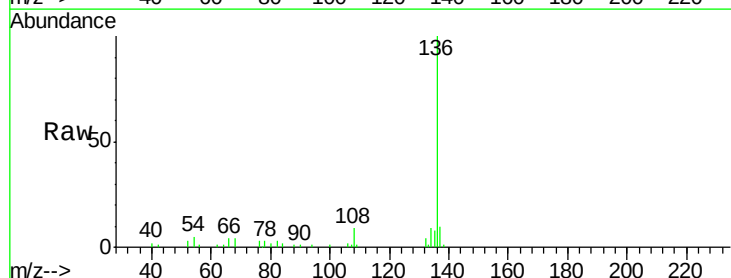
Ion Ratio Lower Upper

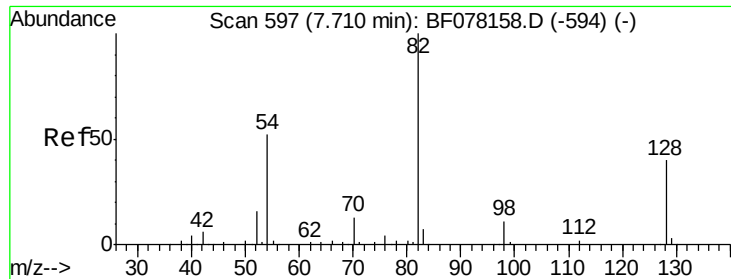
136 100

137 9.9 9.0 13.4

54 5.4 7.0 10.6#

68 4.4 5.4 8.2#

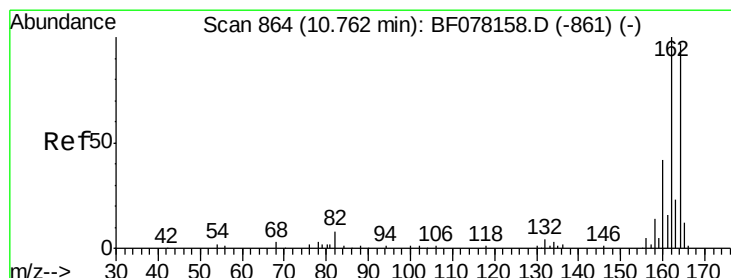
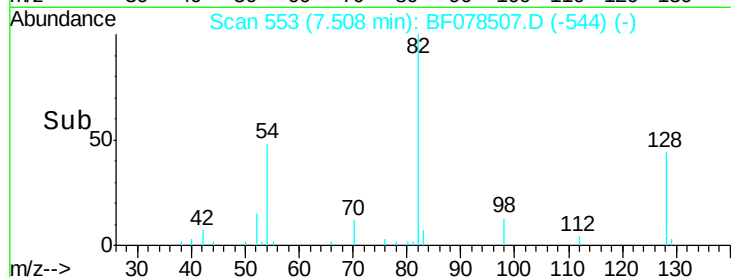
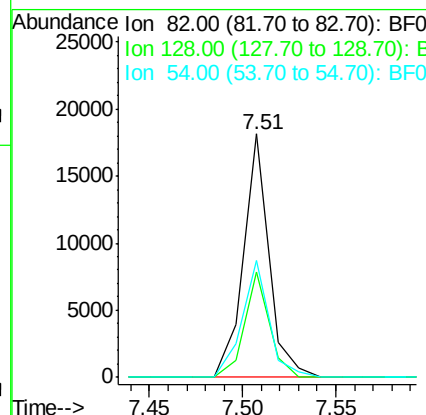
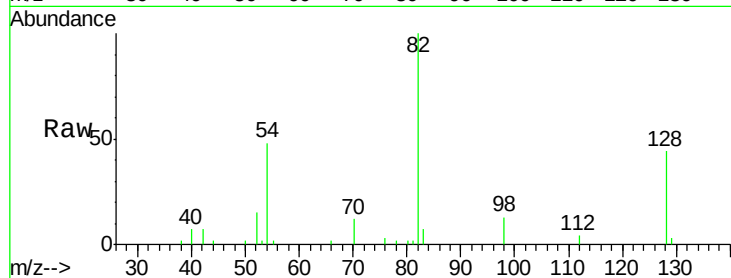




#23
 Nitrobenzene-d5
 Concen: 12.45 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

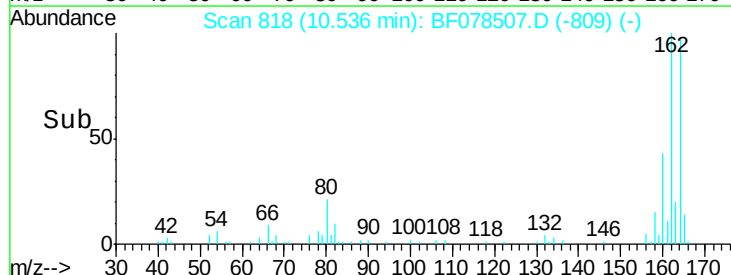
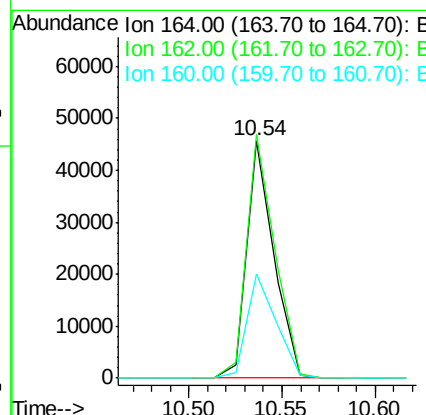
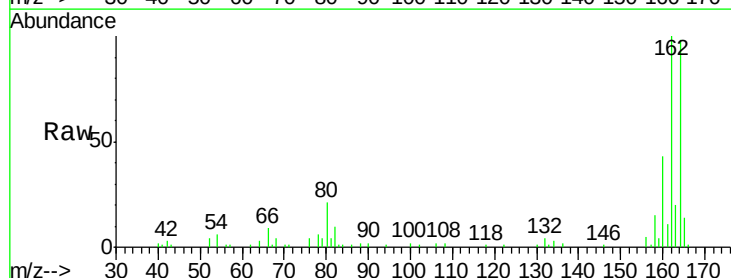
Instrument :
 BNA_F
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 HS-SB06A

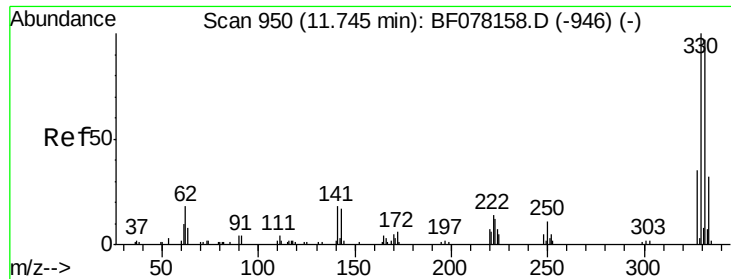
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.8	47.8
54	47.9	41.5	62.3



#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

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

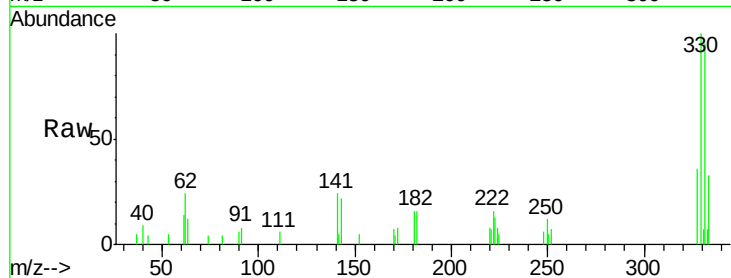




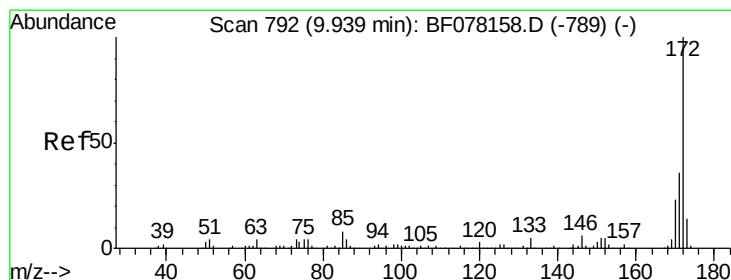
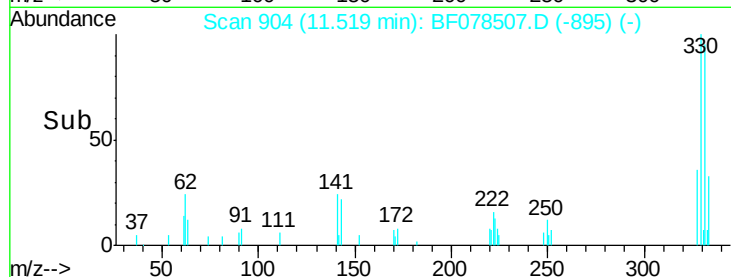
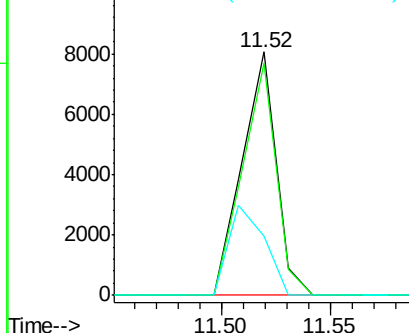
#41
 2,4,6-Tribromophenol
 Concen: 22.97 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06A

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

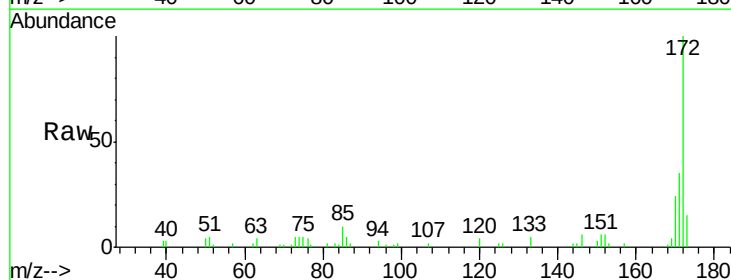


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

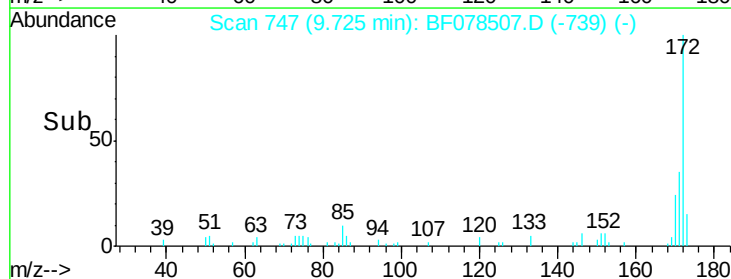
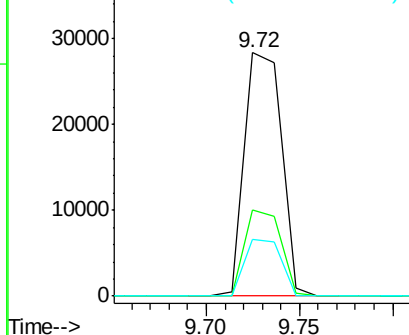


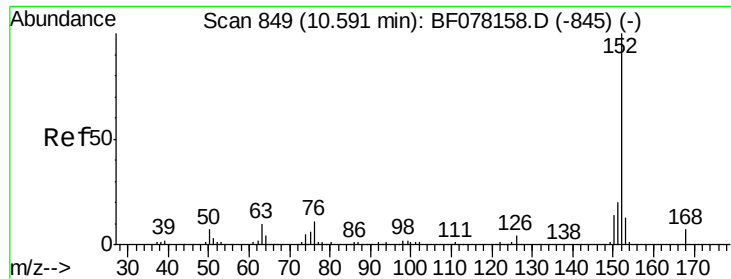
#44
 2-Fluorobiphenyl
 Concen: 12.14 ng
 RT: 9.72 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

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

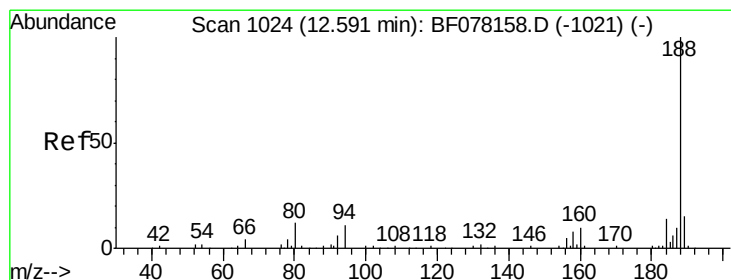
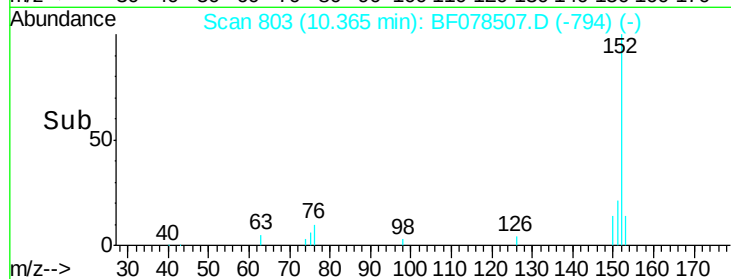
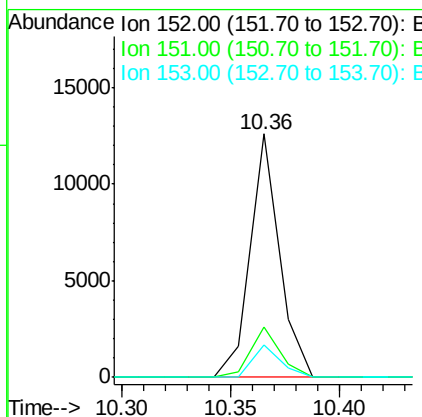
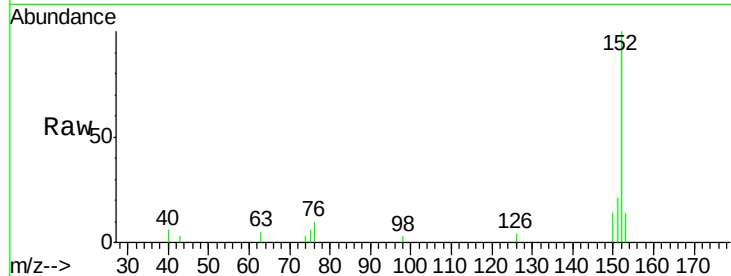




#48
 Acenaphthylene
 Concen: 2.46 ng
 RT: 10.36 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

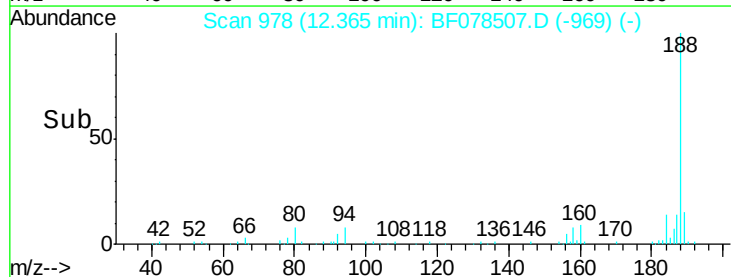
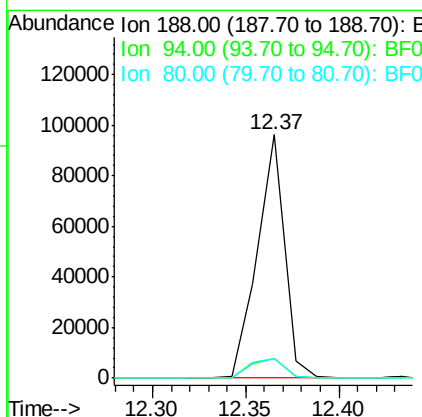
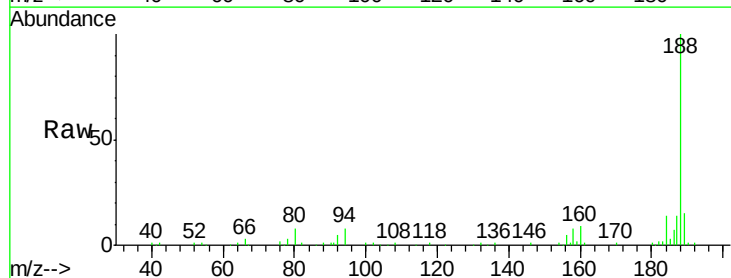
Instrument :
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 ClientSampleId :
 HS-SB06A

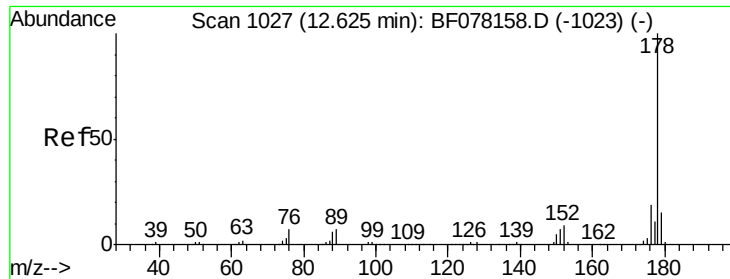
Tgt Ion:152 Resp: 11788
 Ion Ratio Lower Upper
 152 100
 151 20.5 15.7 23.5
 153 13.5 10.2 15.2



#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#

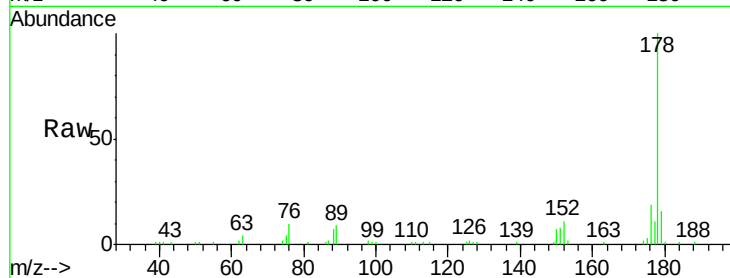




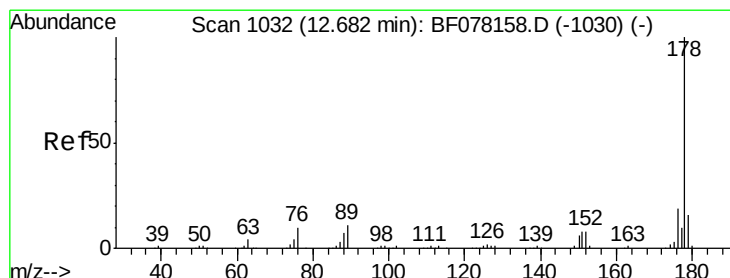
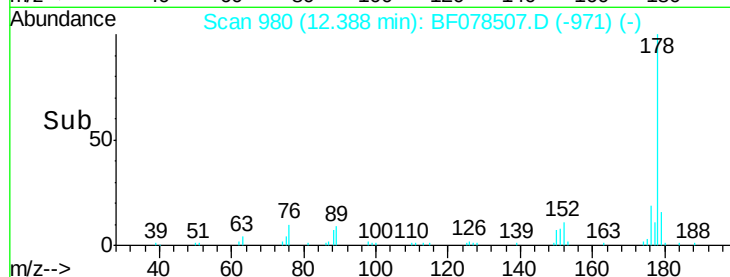
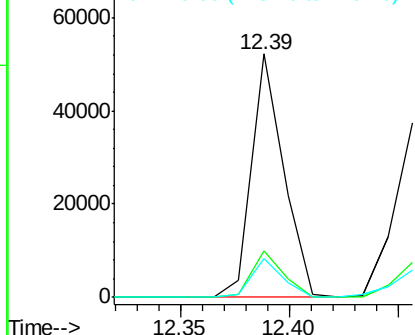
#70
 Phenanthrene
 Concen: 9.58 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

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

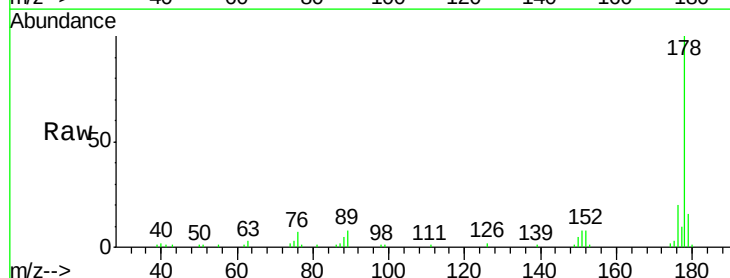


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

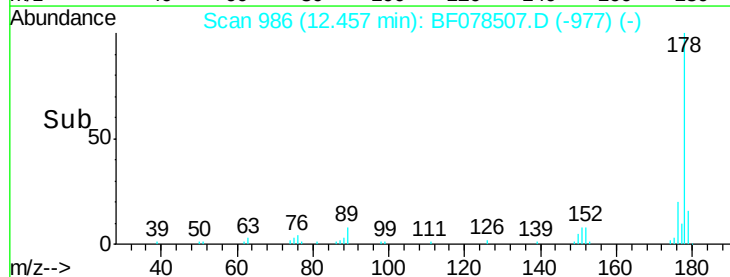
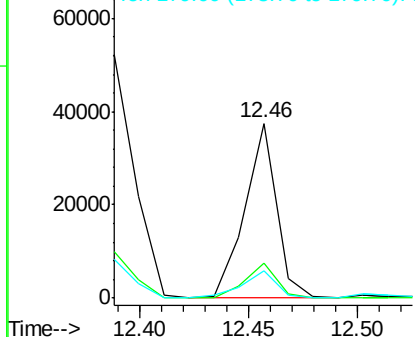


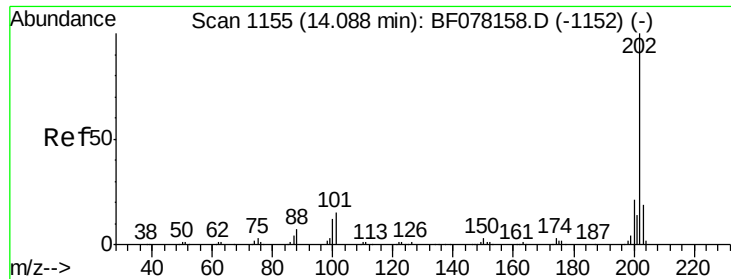
#71
 Anthracene
 Concen: 6.89 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

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

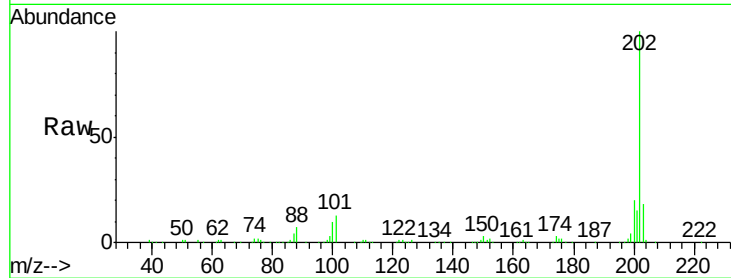
Tgt Ion:202 Resp: 192725

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.2

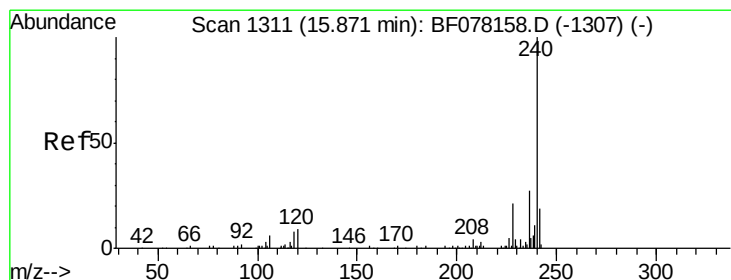
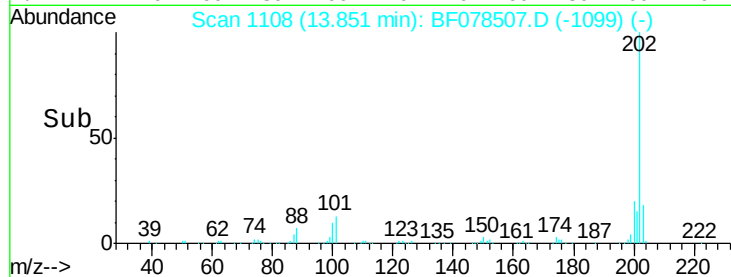
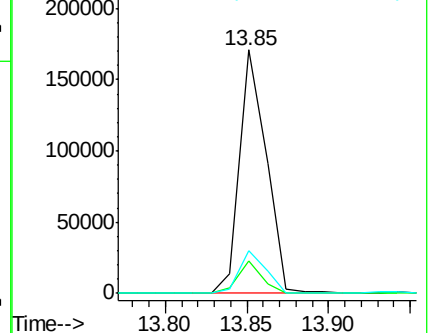
203 17.6 0.0 38.5



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: BF078507.D

Acq: 14 Apr 2015 19:02

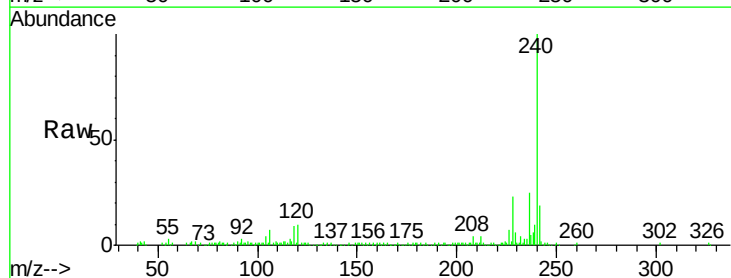
Tgt Ion:240 Resp: 113241

Ion Ratio Lower Upper

240 100

120 10.2 7.1 10.7

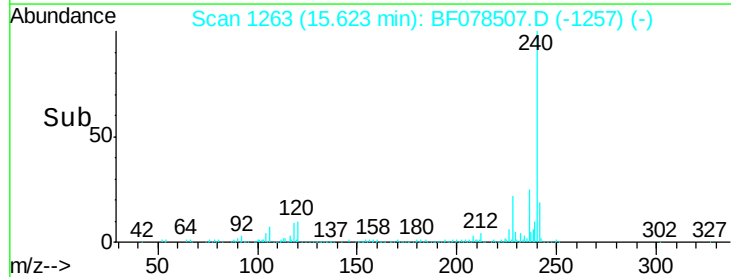
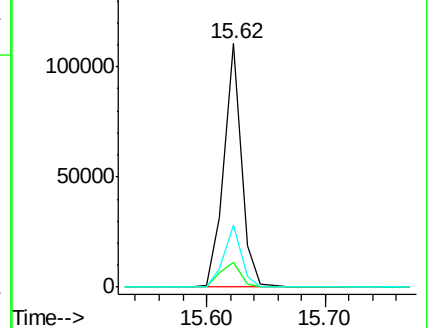
236 25.2 21.4 32.2

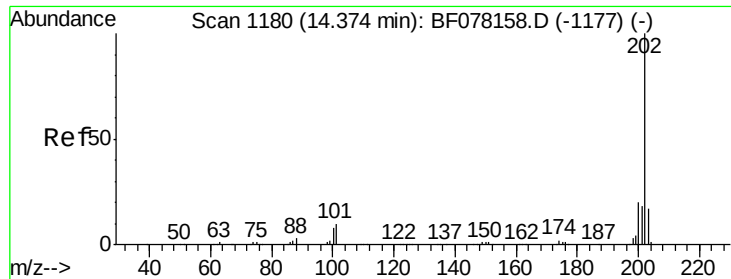


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 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

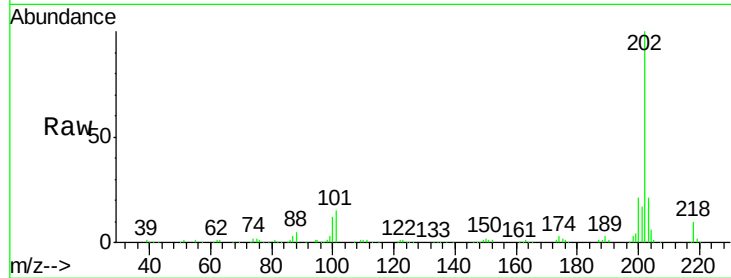
Tgt Ion:202 Resp: 173579

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

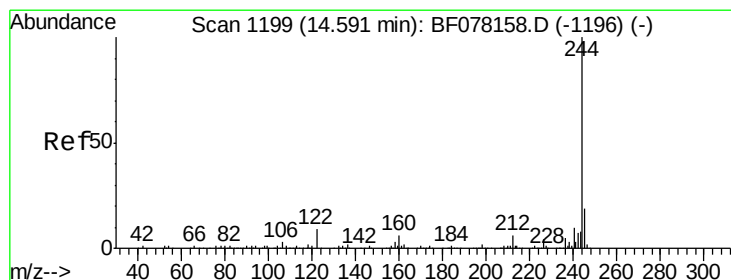
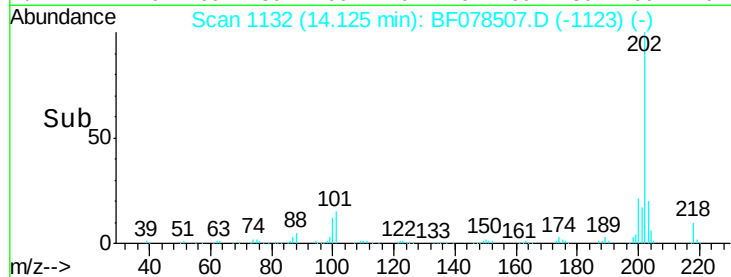
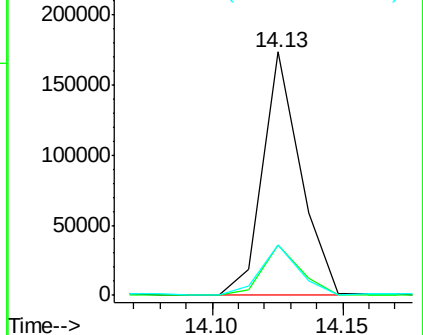
203 20.9 13.8 20.6#



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

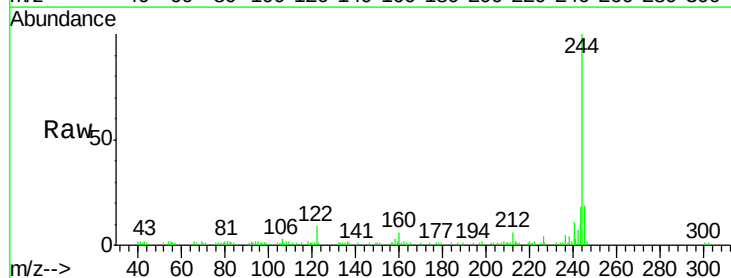
Tgt Ion:244 Resp: 52667

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

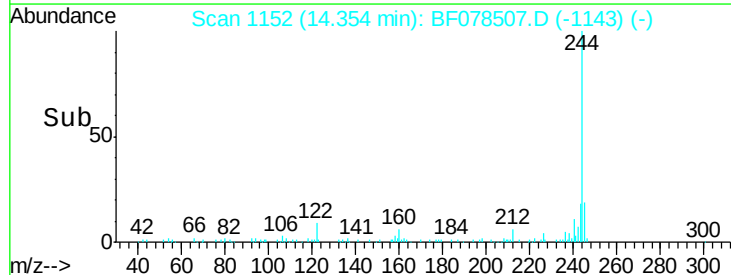
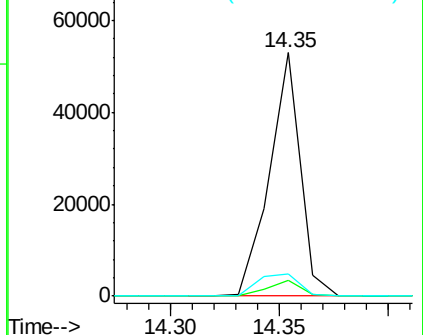
122 9.0 7.1 10.7

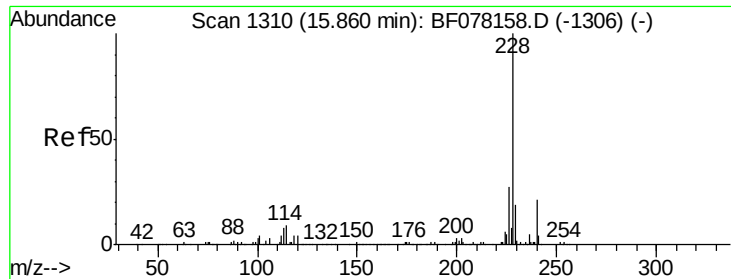


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

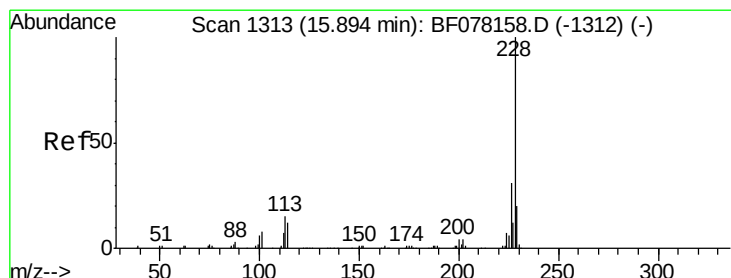
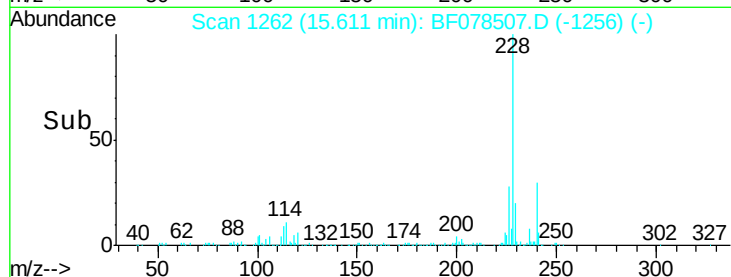
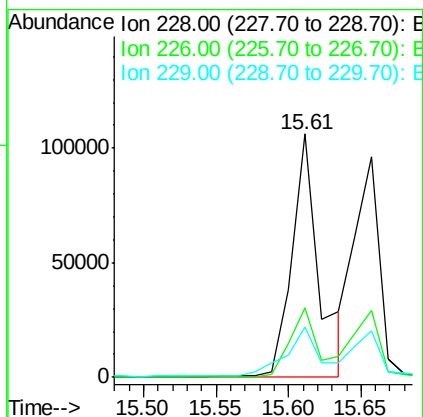
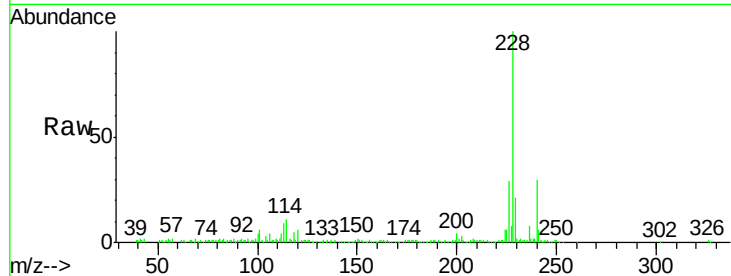




#80
Benzo(a)anthracene
Concen: 20.40 ng
RT: 15.61 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF078507.D
Acq: 14 Apr 2015 19:02

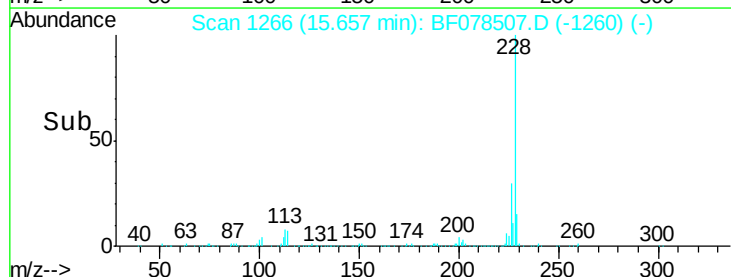
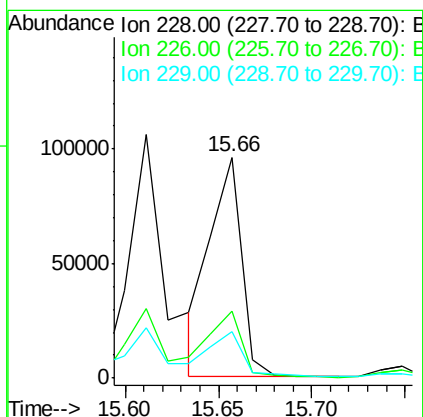
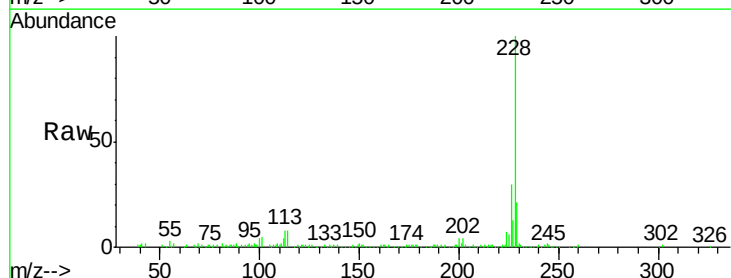
Instrument :
BNA_F
ClientSampleId :
HS-SB06A

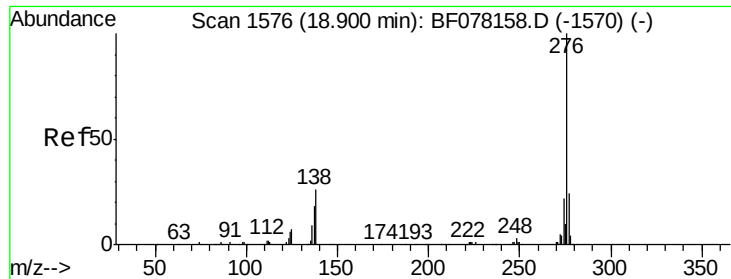
Tgt Ion:228 Resp: 137435
Ion Ratio Lower Upper
228 100
226 28.6 21.3 31.9
229 20.5 15.4 23.2



#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

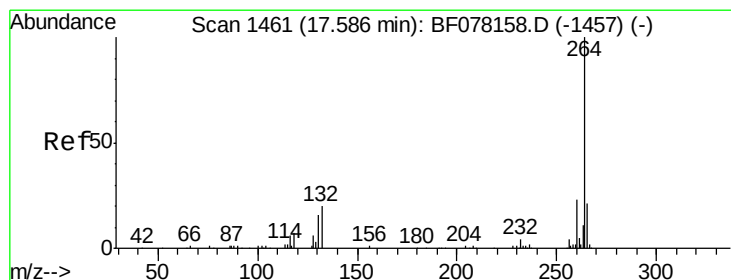
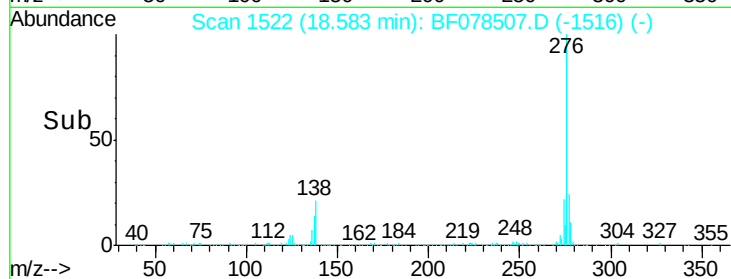
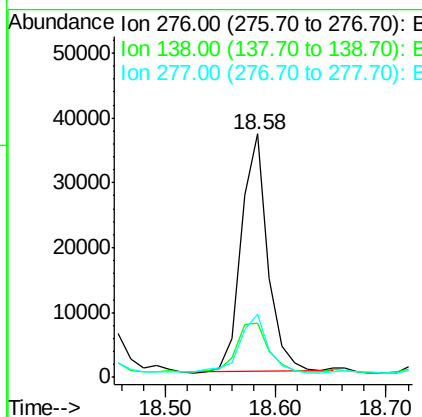
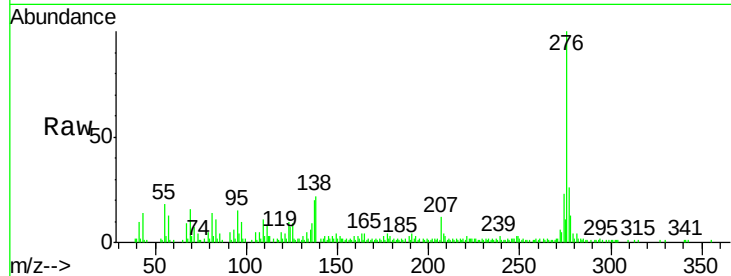




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.60 ng m
 RT: 18.58 min Scan# 1522
 Delta R.T. -0.23 min
 Lab File: BF078507.D
 Acq: 14 Apr 2015 19:02

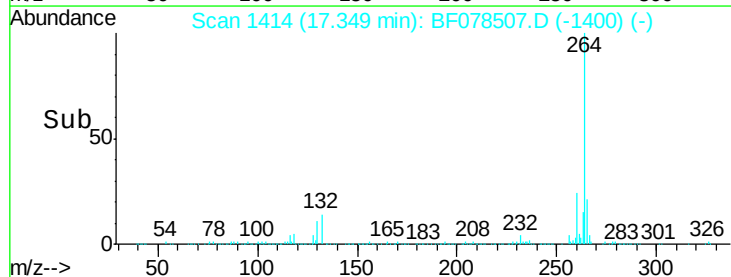
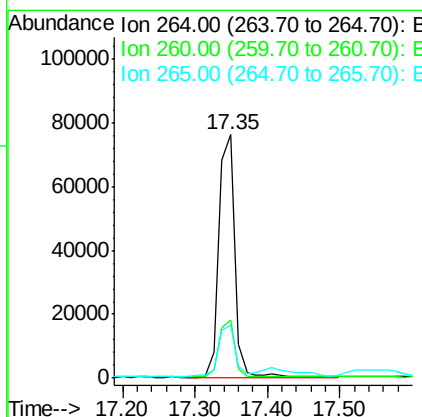
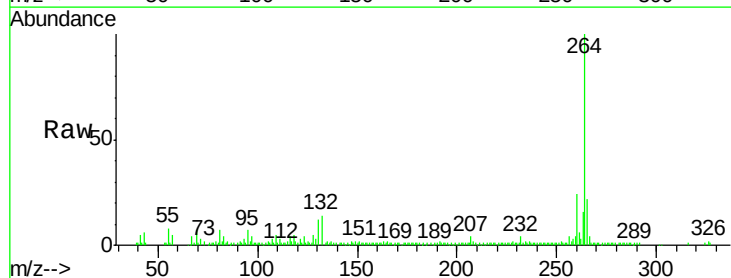
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06A

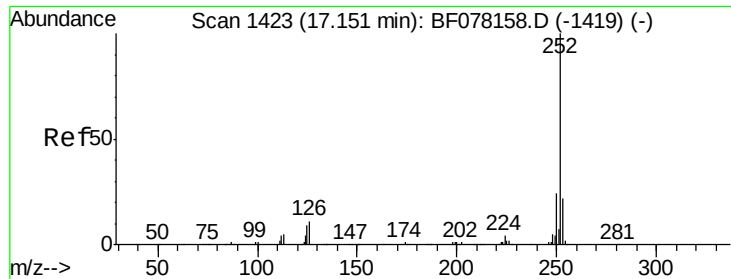
Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.9	16.9	25.3#
277	5.3	15.8	23.6#



#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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.6	17.0	25.6





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

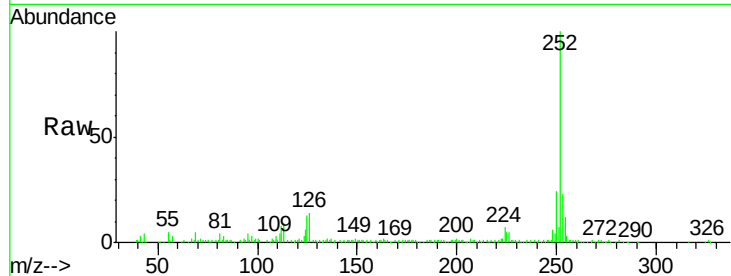
Tgt Ion:252 Resp: 176619

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

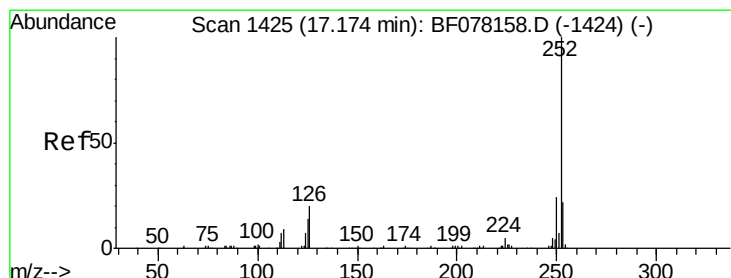
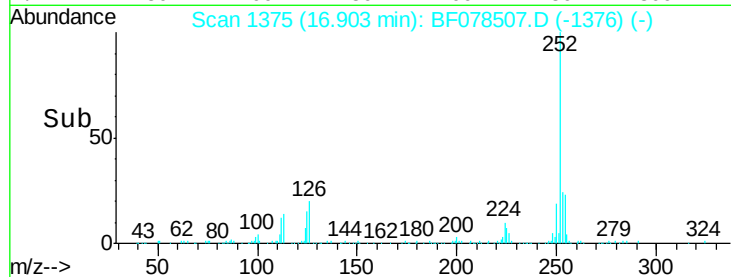
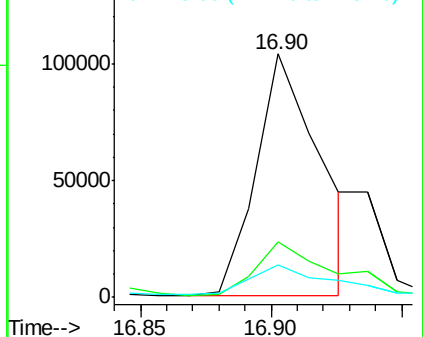
125 13.1 7.0 10.4#



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: 5.81 ng m

RT: 16.94 min Scan# 1378

Delta R.T. -0.11 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

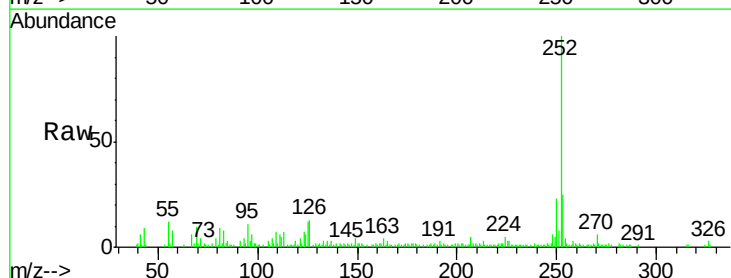
Tgt Ion:252 Resp: 37969

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

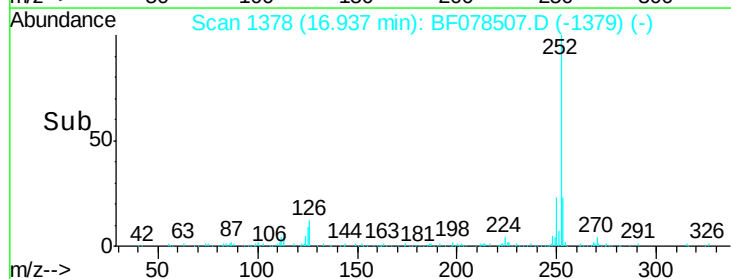
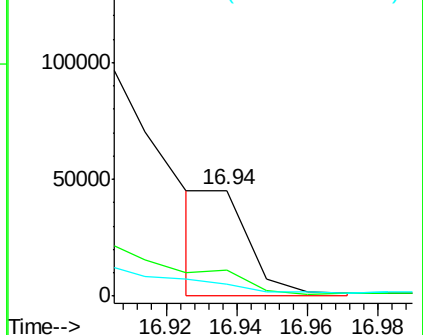
125 11.6 11.6 17.4#

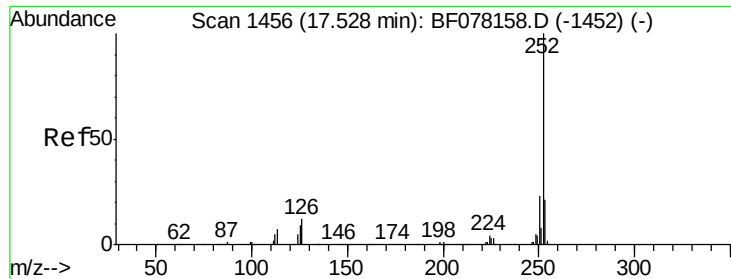


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB06A

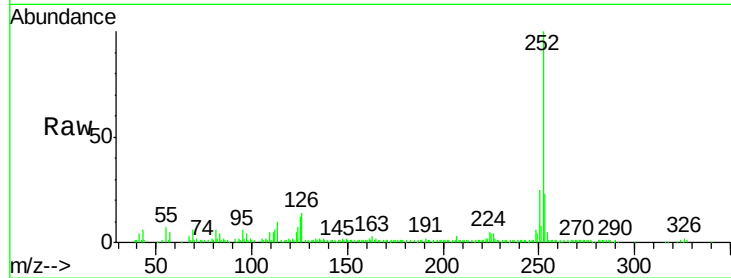
Tgt Ion:252 Resp: 91218

Ion Ratio Lower Upper

252 100

253 23.2 16.8 25.2

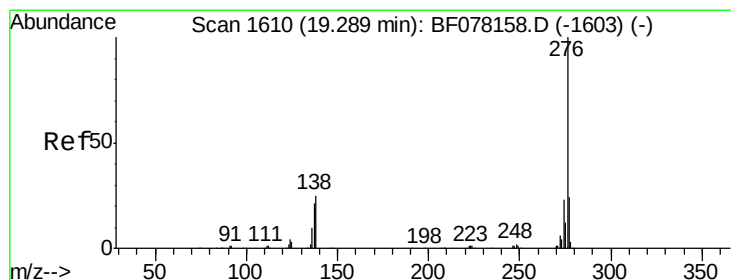
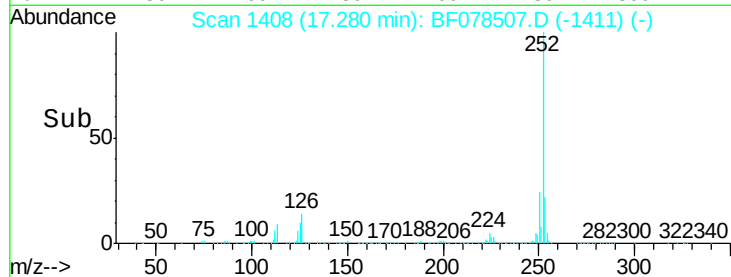
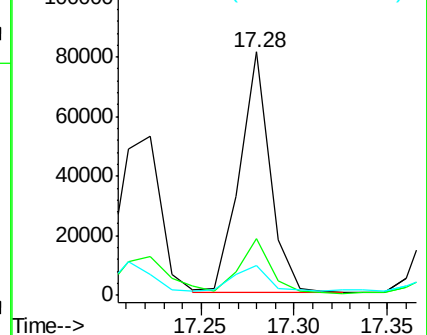
125 12.1 7.4 11.0#



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(g,h,i)perylene

Concen: 9.18 ng m

RT: 18.93 min Scan# 1552

Delta R.T. -0.23 min

Lab File: BF078507.D

Acq: 14 Apr 2015 19:02

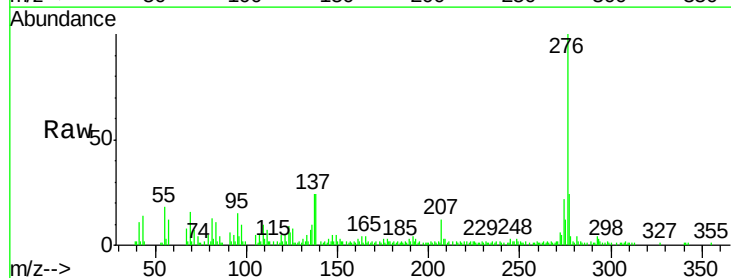
Tgt Ion:276 Resp: 59158

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 24.3 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

