

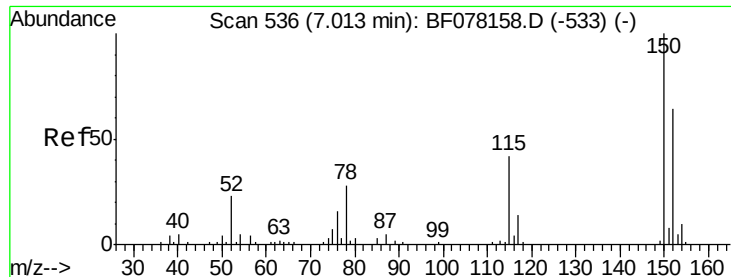
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078517.D
 Acq On : 14 Apr 2015 23:49
 Operator : TP/IZ
 Sample : G1828-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Quant Time: Apr 15 11:19:51 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	20471	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	88983	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	44994	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	94795	20.00	ng	0.00
75) Chrysene-d12	15.62	240	109100	20.00	ng	-0.03
86) Perylene-d12	17.31	264	110871	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	115130	92.73	ng	0.01
7) Phenol-d6	6.41	99	156949	100.87	ng	0.00
23) Nitrobenzene-d5	7.51	82	91945	62.63	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	41605	111.49	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	183634	58.34	ng	0.00
78) Terphenyl-d14	14.35	244	225348	46.67	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.43	94	3839	2.06	ng	77
48) Acenaphthylene	10.36	152	11978	2.56	ng	98
49) Dimethylphthalate	10.25	163	11656	3.45	ng	# 95
70) Phenanthrene	12.39	178	56996	10.39	ng	98
71) Anthracene	12.46	178	22062	4.08	ng	99
74) Fluoranthene	13.86	202	177356	30.67	ng	90
77) Pyrene	14.14	202	153081	22.35	ng	99
80) Benzo(a)anthracene	15.61	228	111414	17.16	ng	97
82) Chrysene	15.66	228	79891	13.10	ng	98
85) Indeno(1,2,3-cd)pyrene	18.54	276	68271m	9.87	ng	
87) Benzo(b)fluoranthene	16.88	252	142164	20.75	ng	# 94
88) Benzo(k)fluoranthene	16.91	252	39381m	6.47	ng	
89) Benzo(a)pyrene	17.26	252	94705	15.84	ng	96
90) Dibenzo(a,h)anthracene	18.56	278	16853m	2.81	ng	
91) Benzo(g,h,i)perylene	18.88	276	65086m	10.84	ng	

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

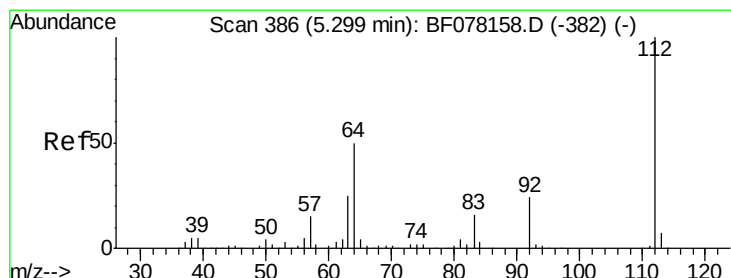
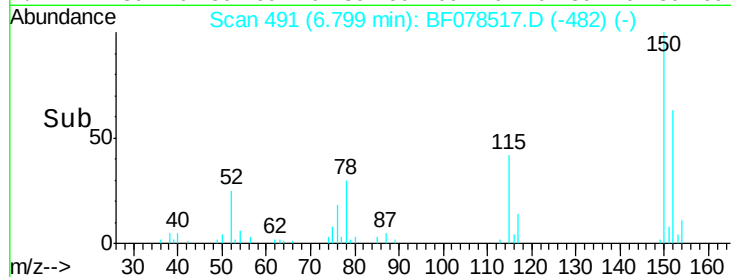
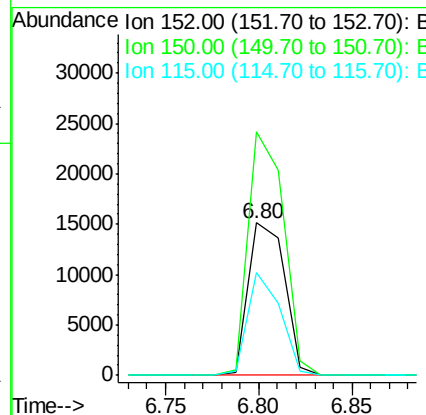
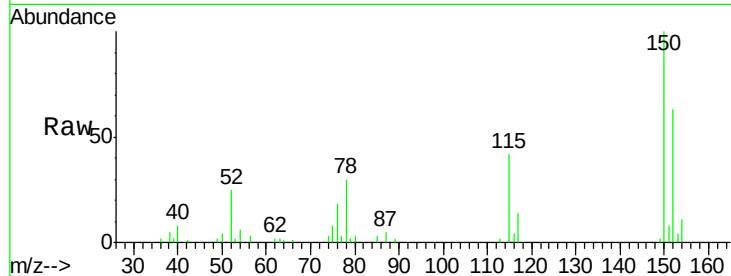


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Instrument :
BNA_F
ClientSampleId :
HS-SB04A

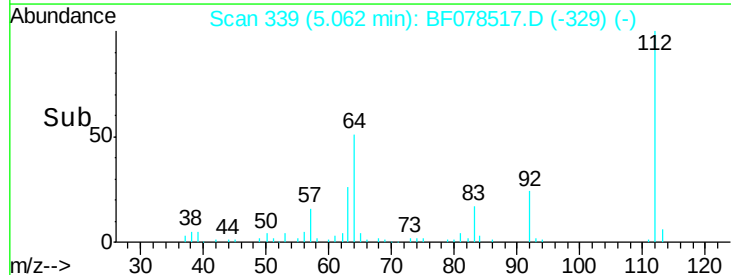
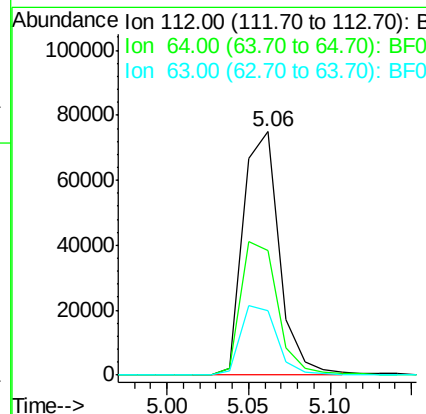
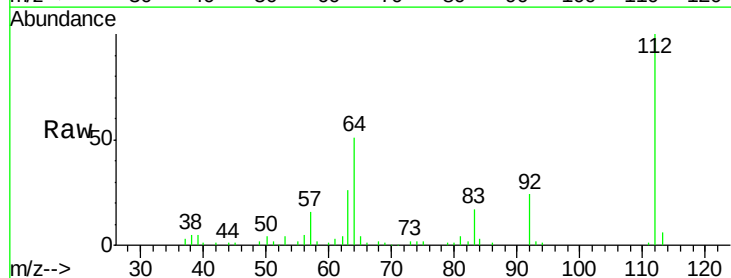
Tgt Ion:152 Resp: 20471
Ion Ratio Lower Upper
152 100
150 159.9 125.9 188.9
115 67.3 52.7 79.1

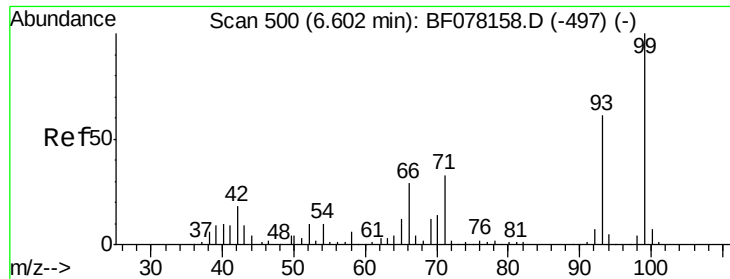


#5

2-Fluorophenol
Concen: 92.73 ng
RT: 5.06 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Tgt Ion:112 Resp: 115130
Ion Ratio Lower Upper
112 100
64 50.9 39.9 59.9
63 26.3 20.2 30.4





#7

Phenol-d6

Concen: 100.87 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

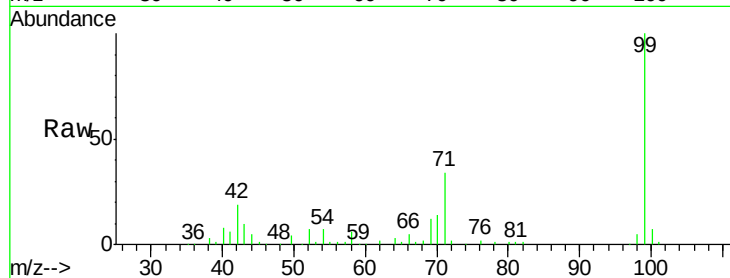
Tgt Ion: 99 Resp: 156949

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

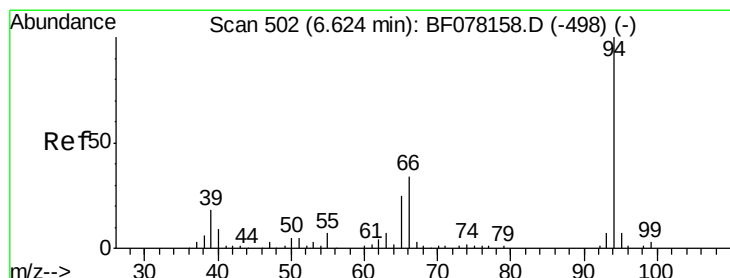
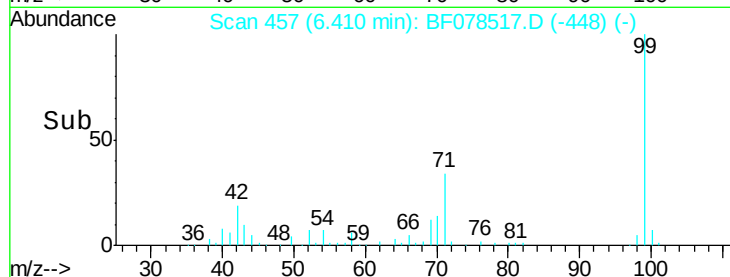
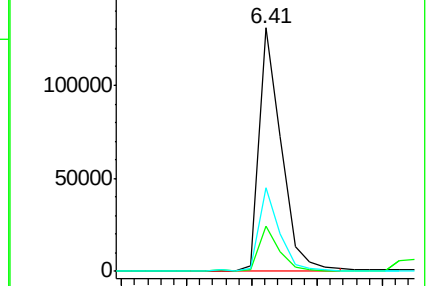
71 34.4 26.6 39.8



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



#10

Phenol

Concen: 2.06 ng

RT: 6.43 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

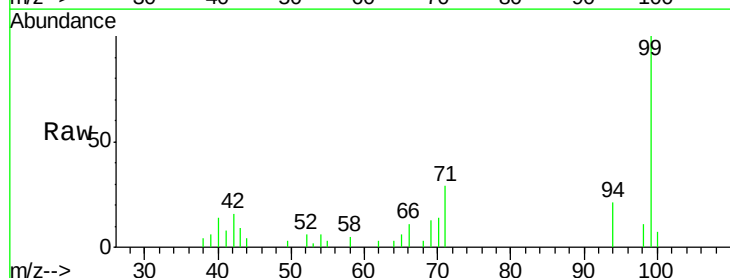
Tgt Ion: 94 Resp: 3839

Ion Ratio Lower Upper

94 100

65 29.7 4.9 44.9

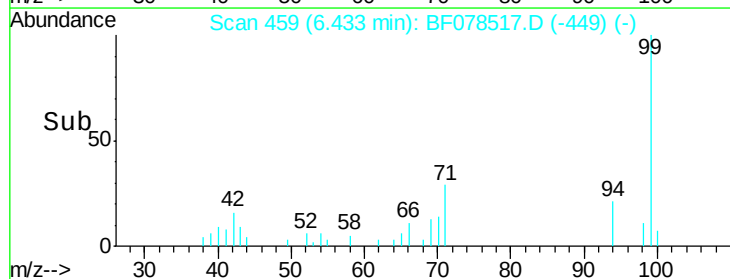
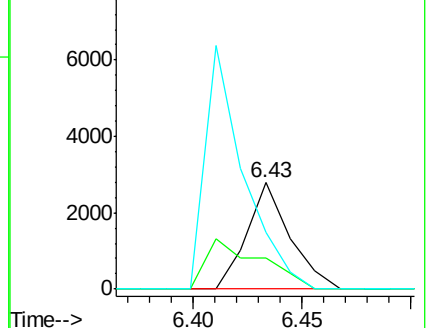
66 53.1 13.8 53.8

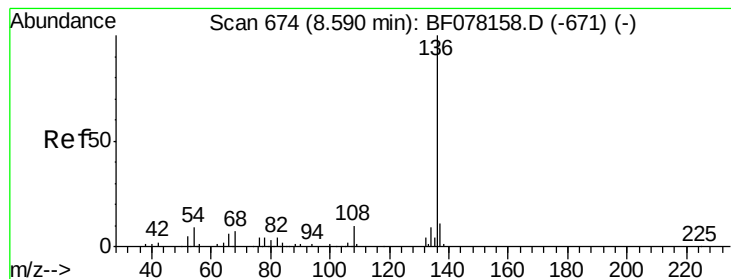


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.39 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

Tgt Ion:136 Resp: 88983

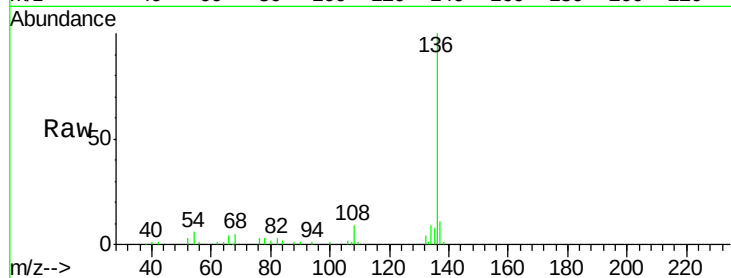
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.6 7.0 10.6#

68 4.9 5.4 8.2#

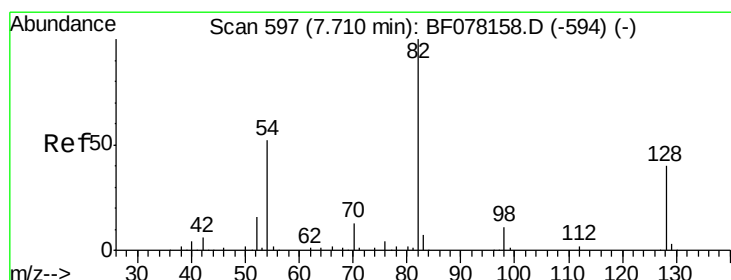
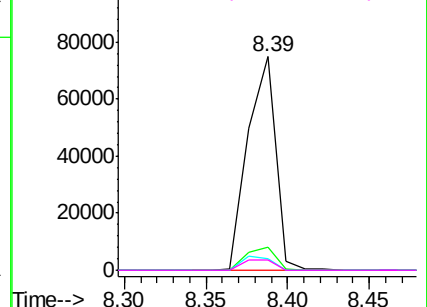
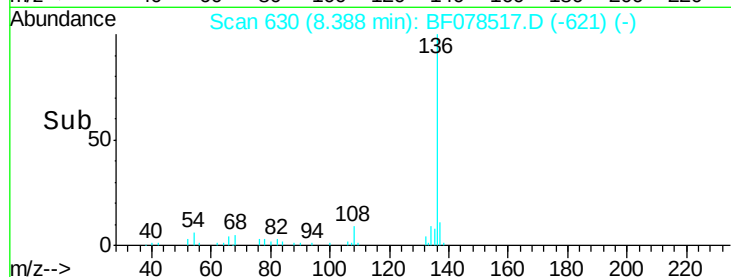


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.63 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

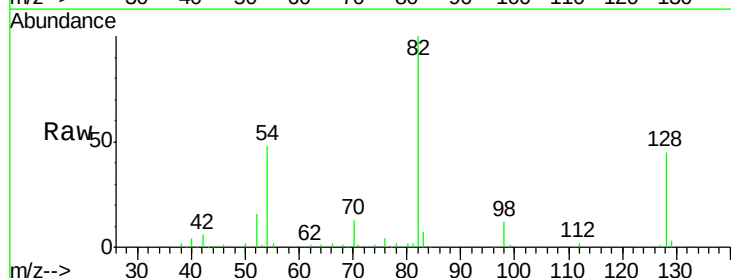
Tgt Ion: 82 Resp: 91945

Ion Ratio Lower Upper

82 100

128 45.1 31.8 47.8

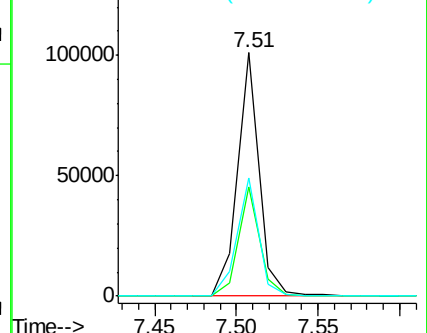
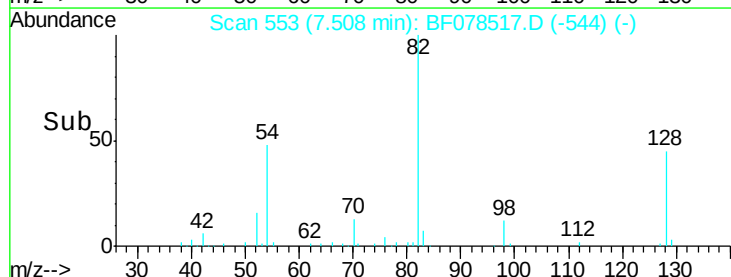
54 48.5 41.5 62.3

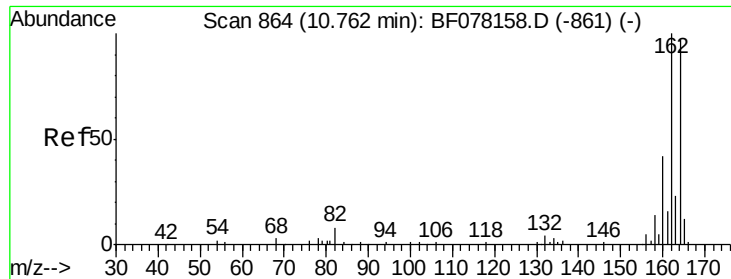


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

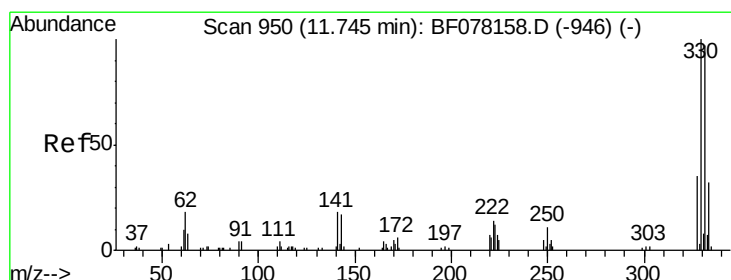
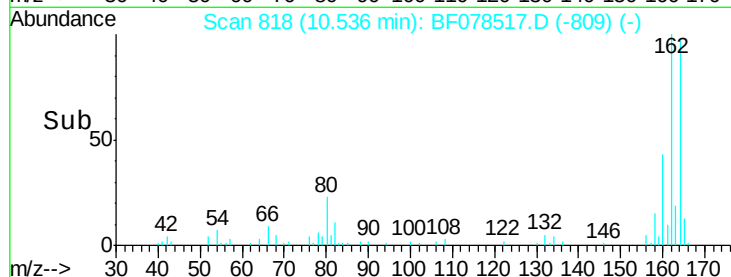
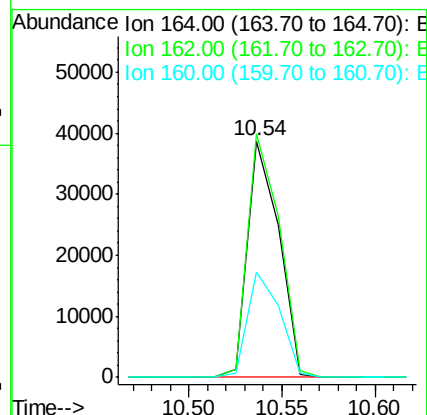
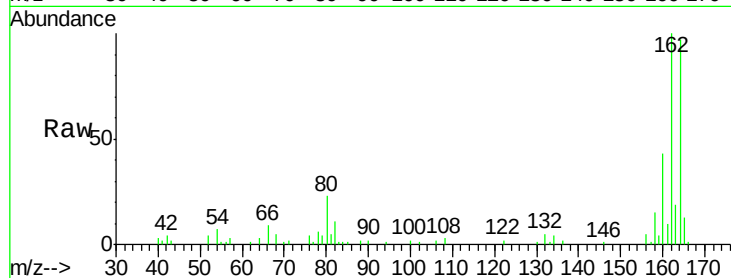




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

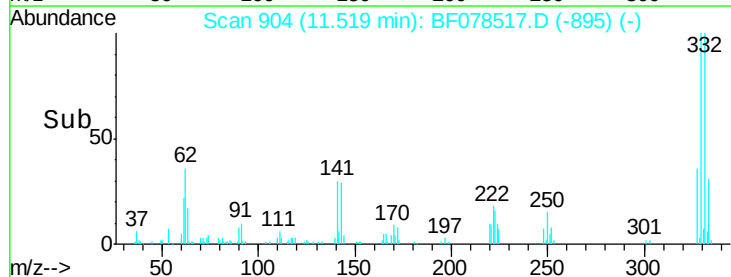
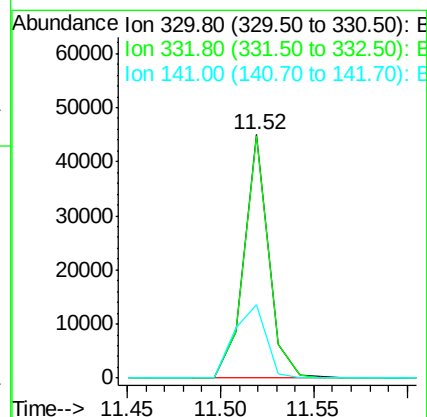
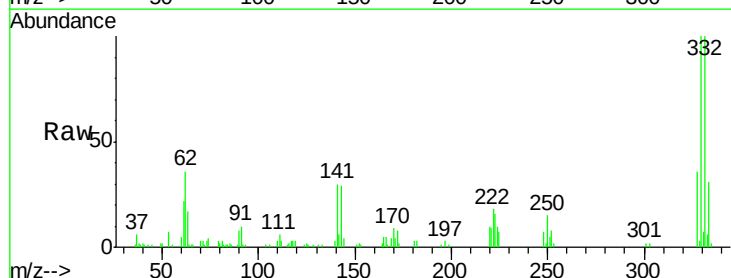
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

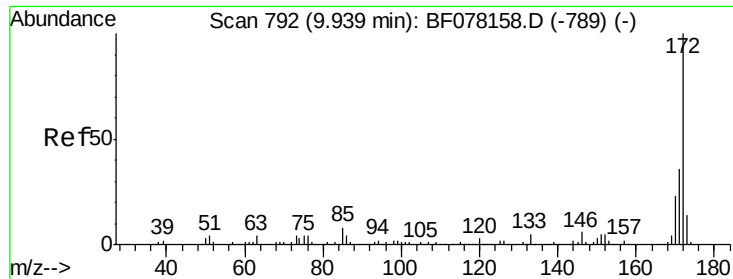
Tgt Ion:164 Resp: 44994
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.2 123.2
 160 44.5 34.7 52.1



#41
 2,4,6-Tribromophenol
 Concen: 111.49 ng
 RT: 11.52 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion:330 Resp: 41605
 Ion Ratio Lower Upper
 330 100
 332 99.1 78.6 117.8
 141 39.2 31.2 46.8

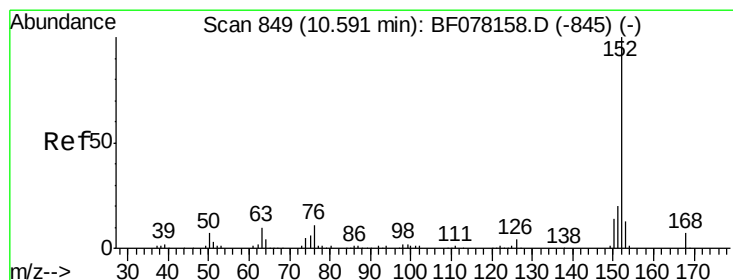
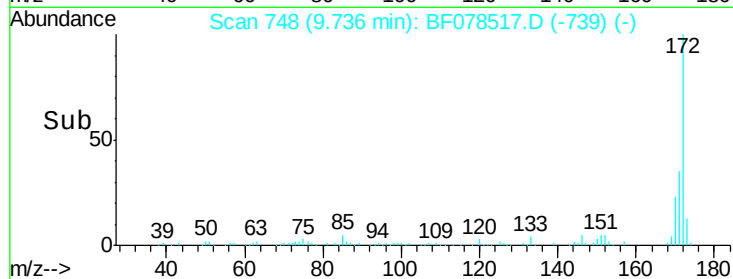
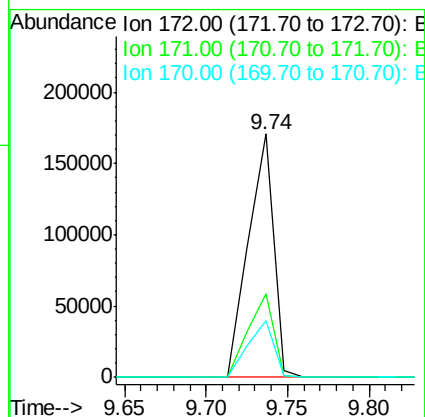
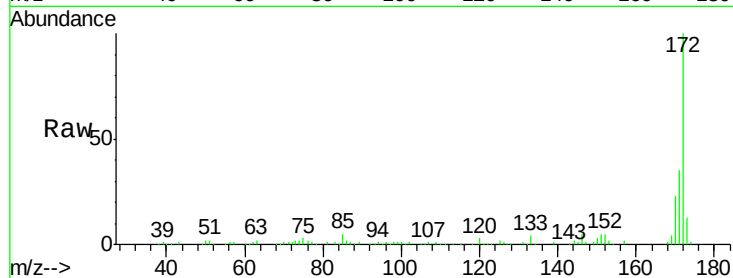




#44
 2-Fluorobiphenyl
 Concen: 58.34 ng
 RT: 9.74 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

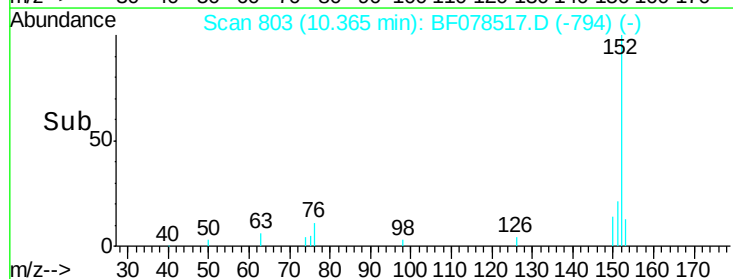
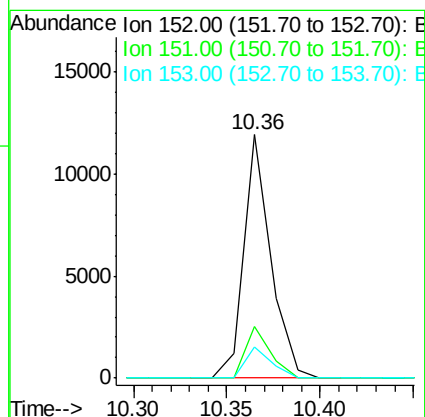
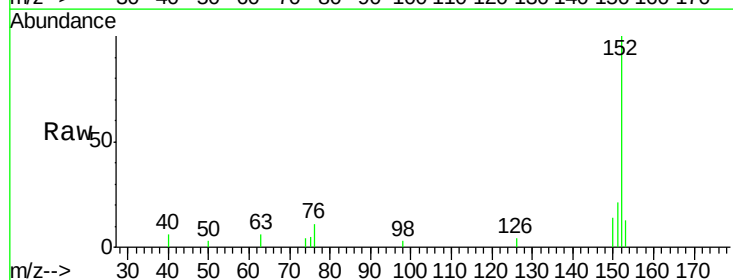
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

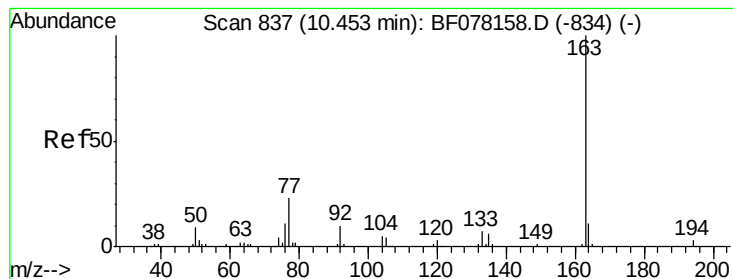
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	42.8
170	23.3	18.5	27.7



#48
 Acenaphthylene
 Concen: 2.56 ng
 RT: 10.36 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.7	23.5
153	12.7	10.2	15.2





#49

Dimethylphthalate

Concen: 3.45 ng

RT: 10.25 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

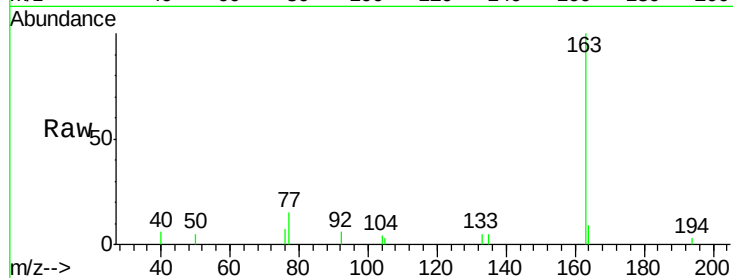
Tgt Ion:163 Resp: 11656

Ion Ratio Lower Upper

163 100

194 3.4 2.3 3.5

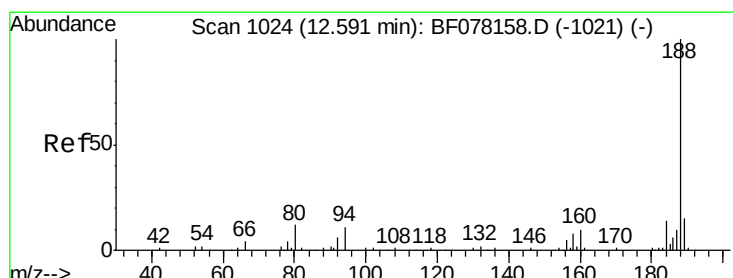
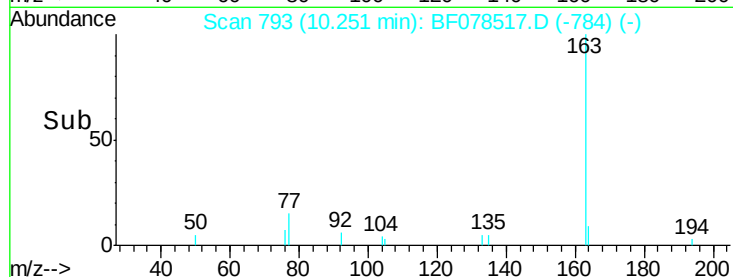
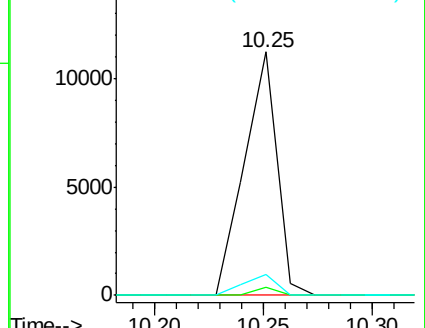
164 8.6 8.6 13.0#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.37 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

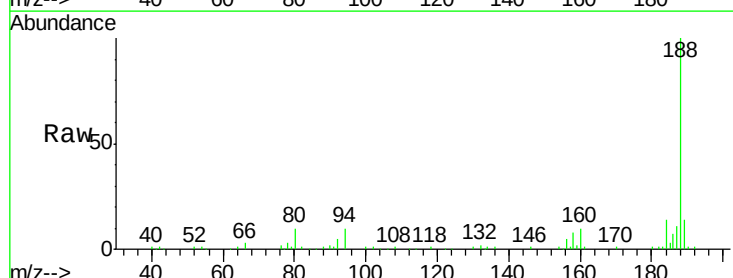
Tgt Ion:188 Resp: 94795

Ion Ratio Lower Upper

188 100

94 9.8 9.0 13.4

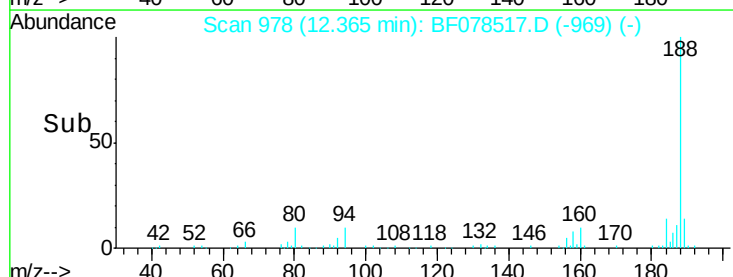
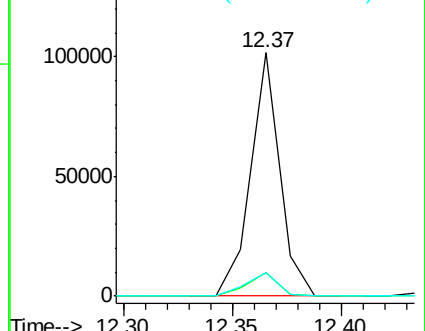
80 9.8 9.5 14.3

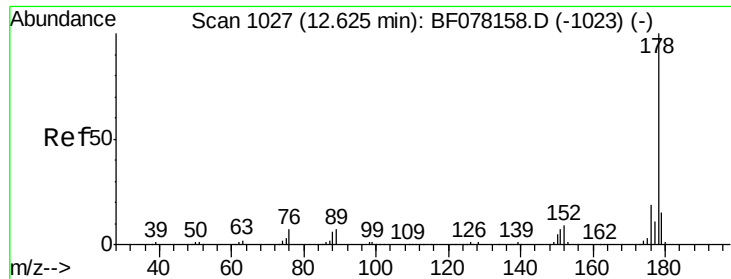


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

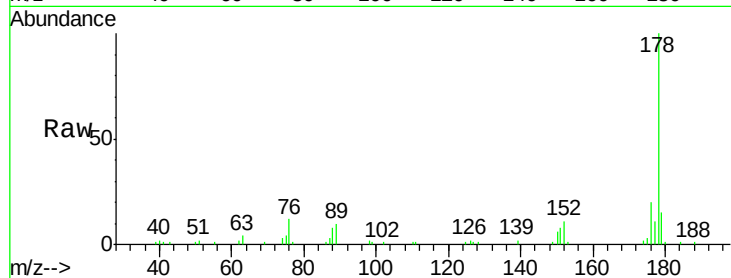




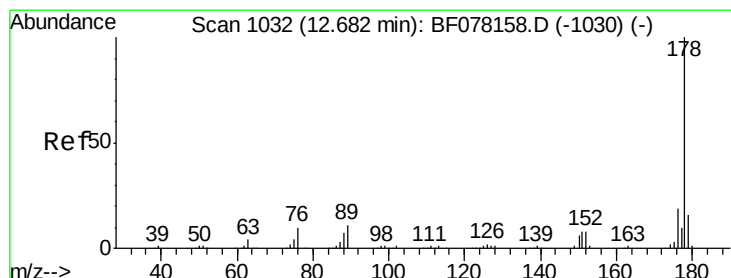
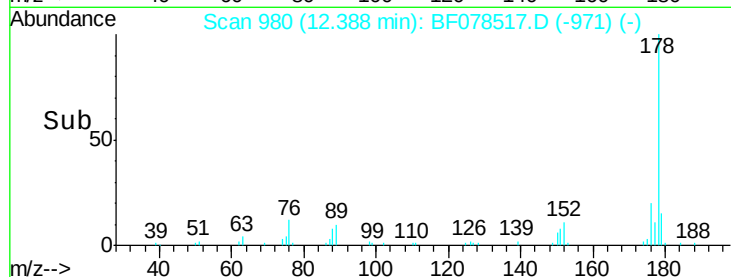
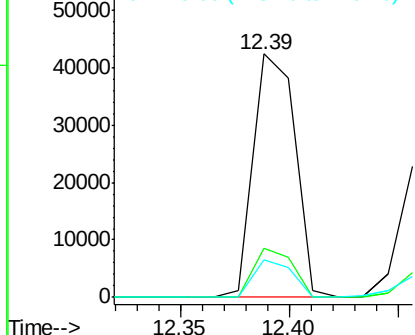
#70
 Phenanthrene
 Concen: 10.39 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

Tgt Ion:178 Resp: 56996
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.0
 179 15.4 12.2 18.2

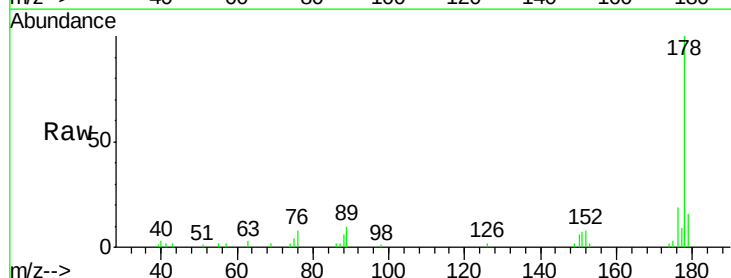


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

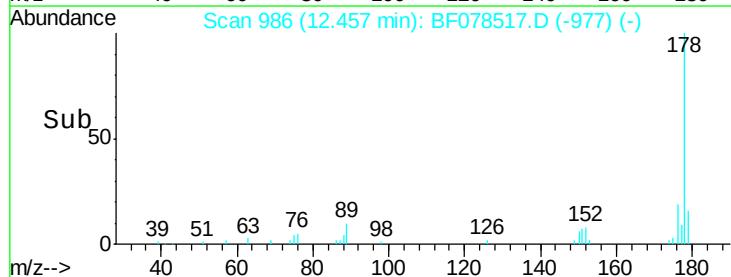
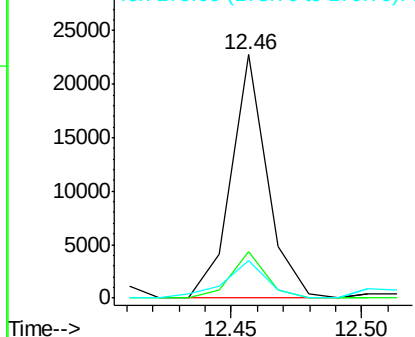


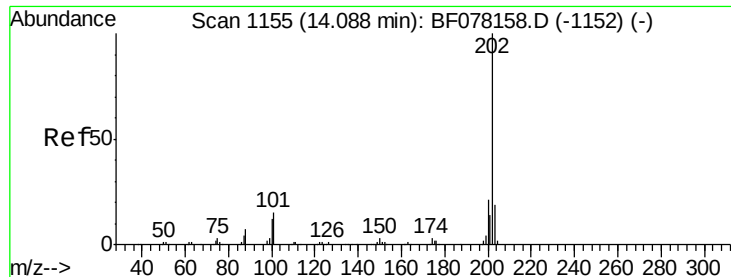
#71
 Anthracene
 Concen: 4.08 ng
 RT: 12.46 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion:178 Resp: 22062
 Ion Ratio Lower Upper
 178 100
 176 19.3 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

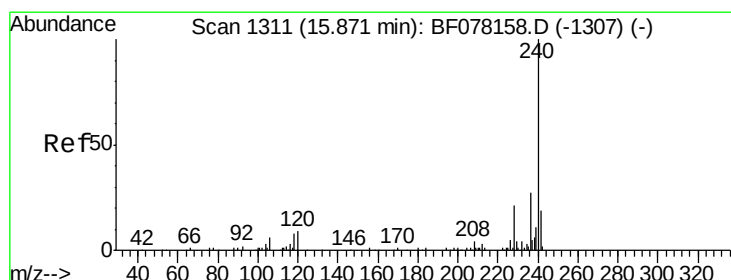
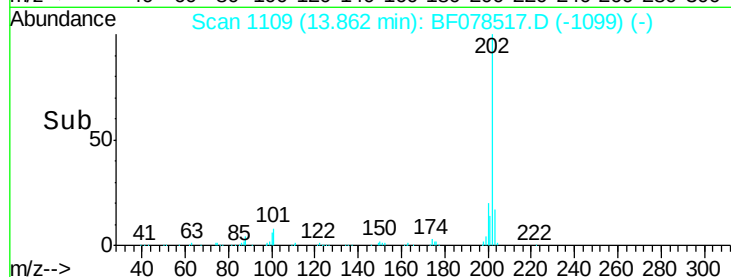
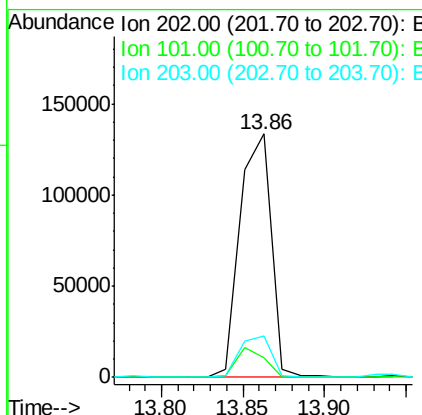
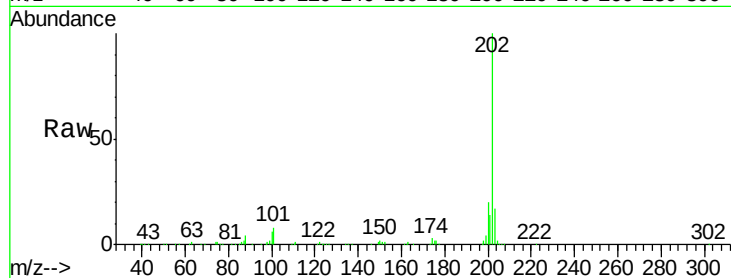




#74
Fluoranthene
Concen: 30.67 ng
RT: 13.86 min Scan# 1109
Delta R.T. 0.01 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

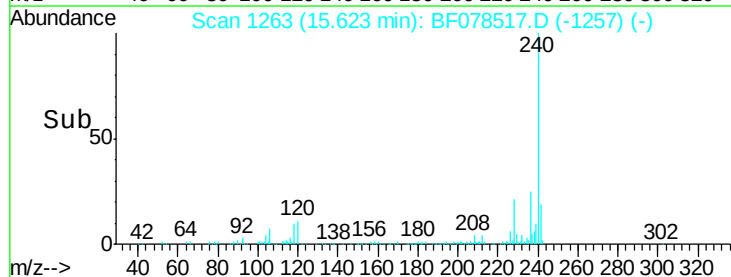
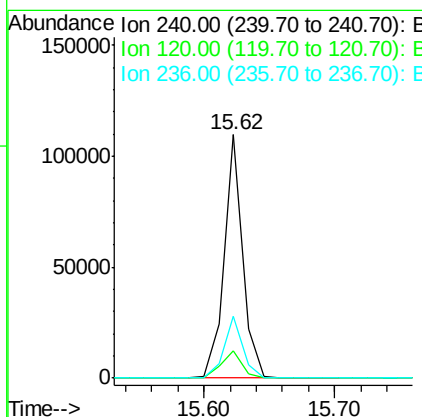
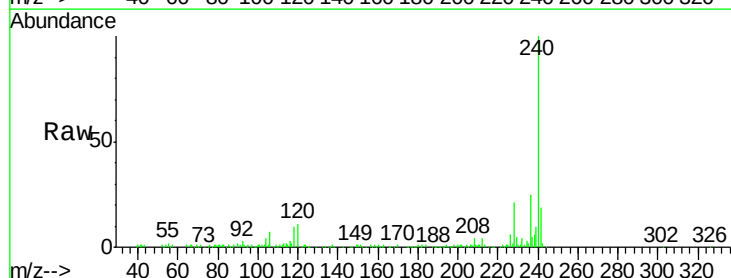
Instrument :
BNA_F
ClientSampleId :
HS-SB04A

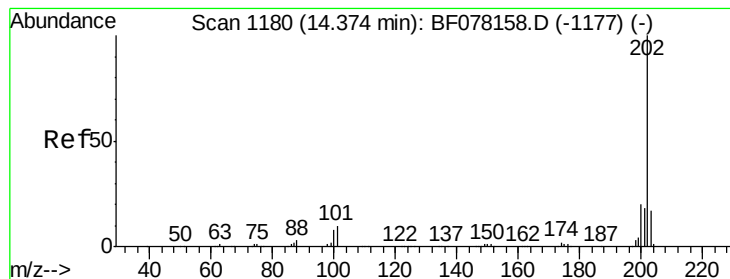
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	35.2
203	17.0	0.0	38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.03 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.1	10.7#
236	25.5	21.4	32.2





#77

Pyrene

Concen: 22.35 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

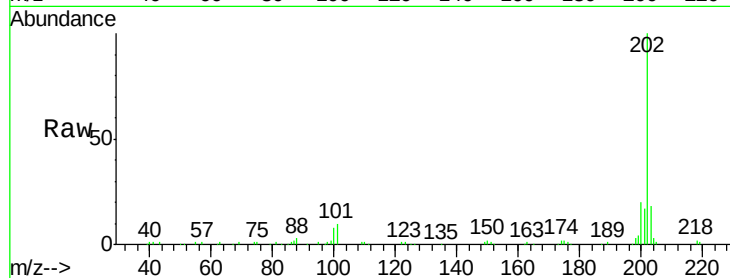
Tgt Ion: 202 Resp: 153081

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

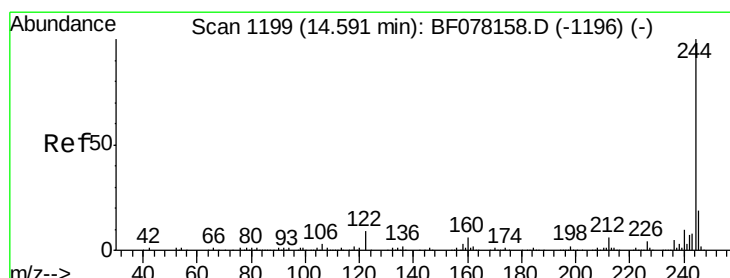
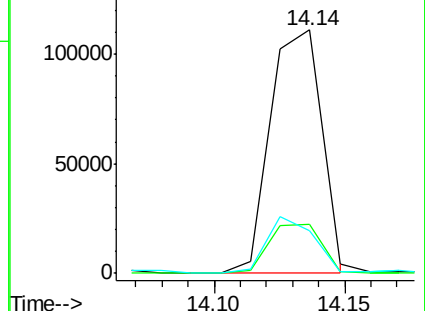
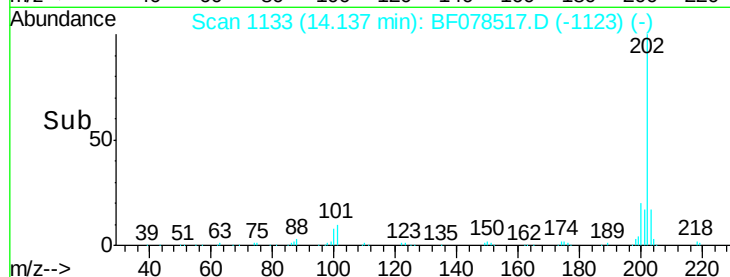
203 17.8 13.8 20.6



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: 46.67 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

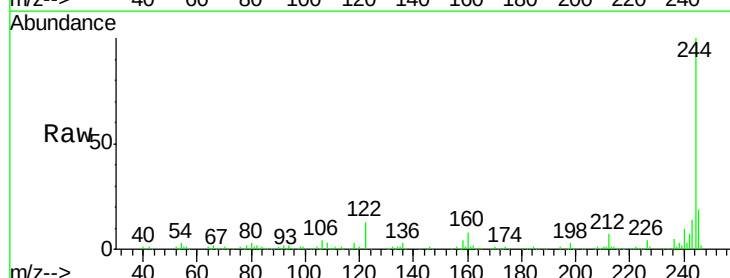
Tgt Ion: 244 Resp: 225348

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

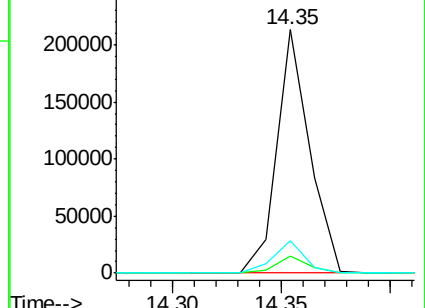
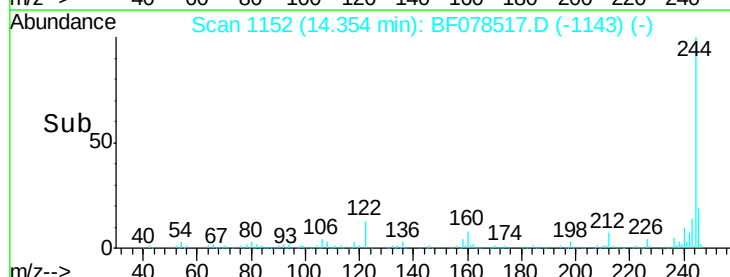
122 13.4 7.1 10.7#

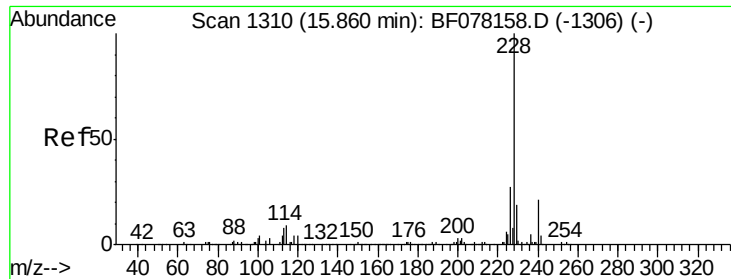


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 17.16 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

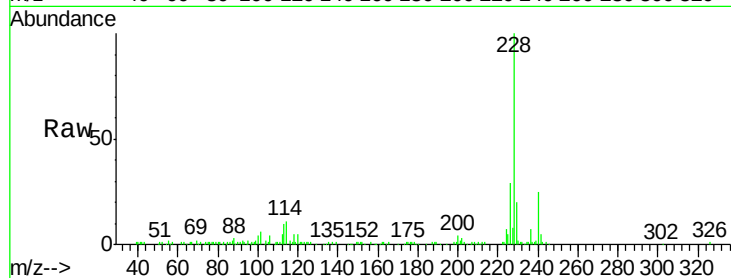
Tgt Ion:228 Resp: 111414

Ion Ratio Lower Upper

228 100

226 29.2 21.3 31.9

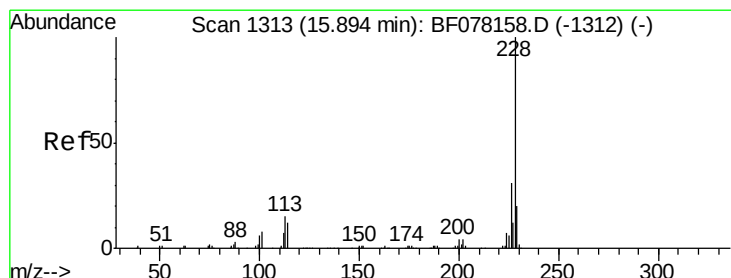
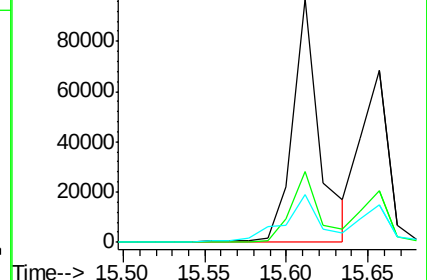
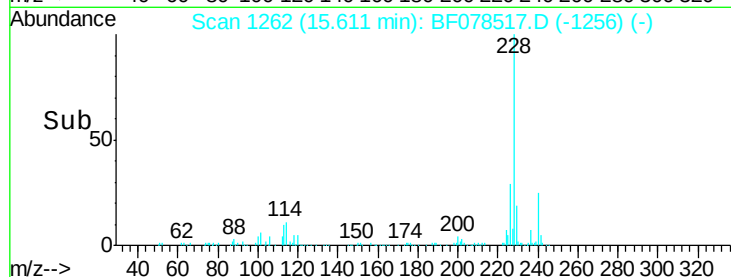
229 19.8 15.4 23.2



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: 13.10 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

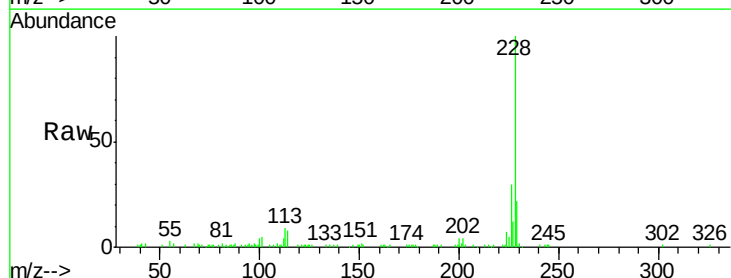
Tgt Ion:228 Resp: 79891

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

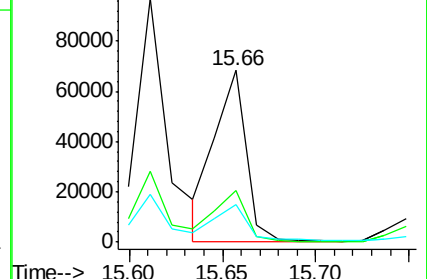
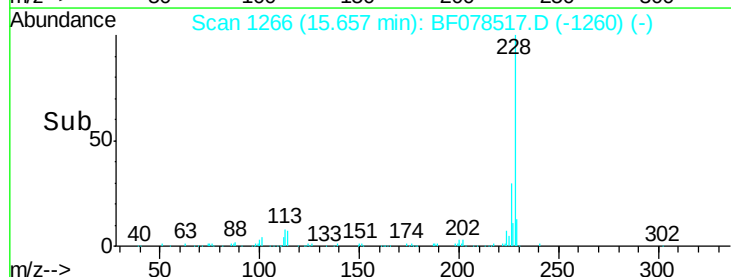
229 22.0 15.8 23.8

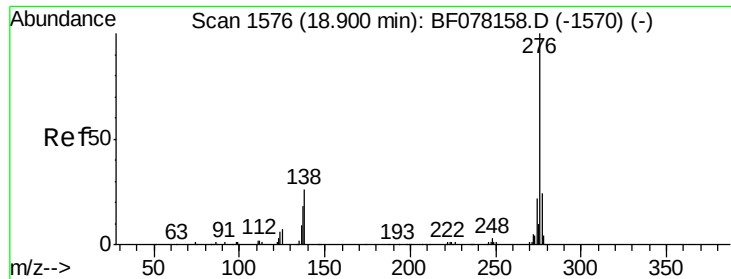


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

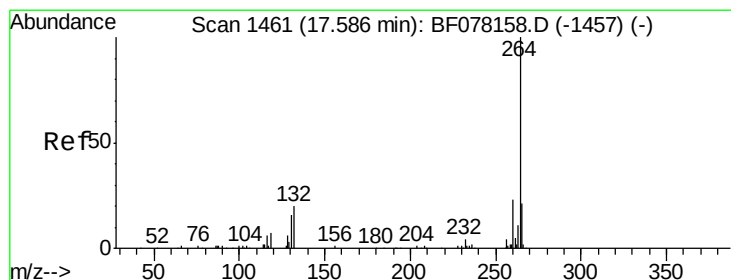
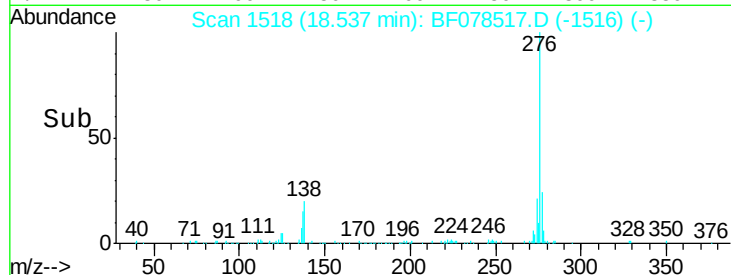
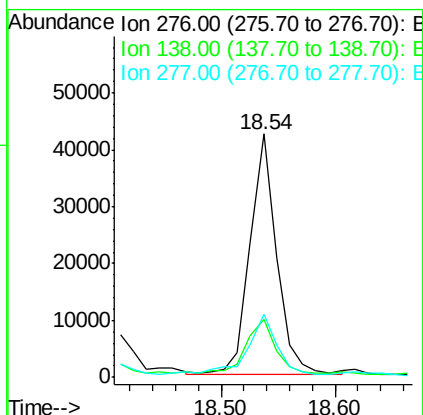
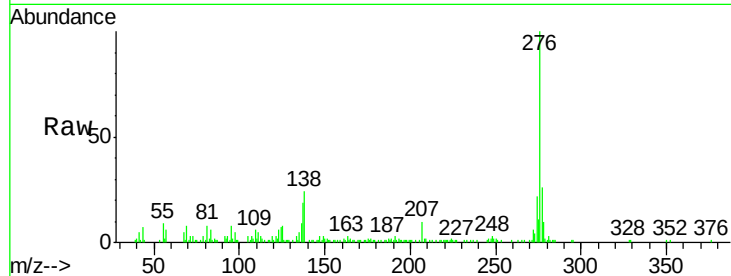




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.87 ng m
 RT: 18.54 min Scan# 1518
 Delta R.T. -0.27 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

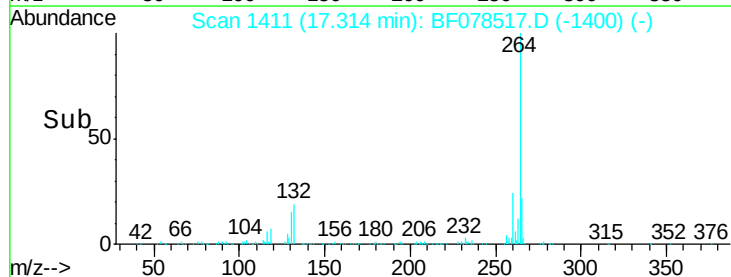
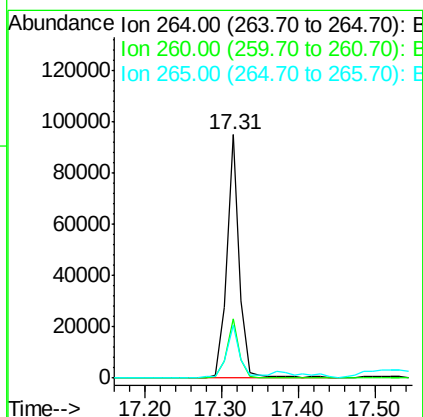
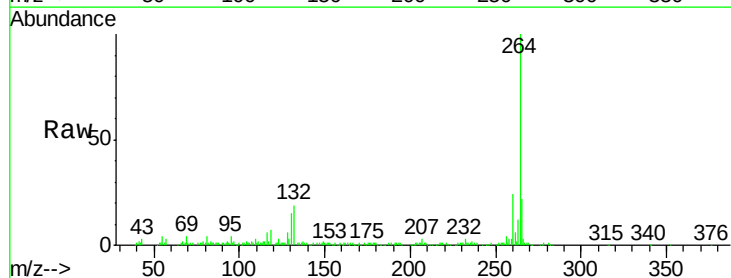
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04A

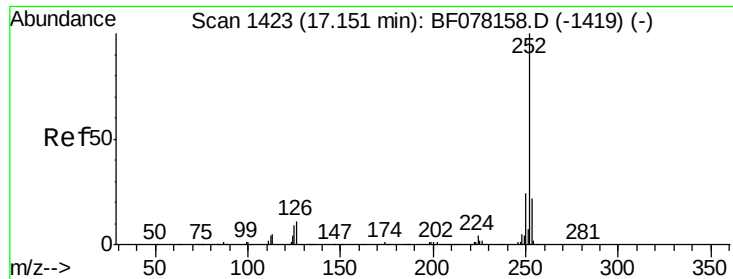
Tgt Ion: 276 Resp: 68271
 Ion Ratio Lower Upper
 276 100
 138 3.7 16.9 25.3#
 277 4.9 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.31 min Scan# 1411
 Delta R.T. -0.17 min
 Lab File: BF078517.D
 Acq: 14 Apr 2015 23:49

Tgt Ion: 264 Resp: 110871
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 27.8
 265 21.6 17.0 25.6

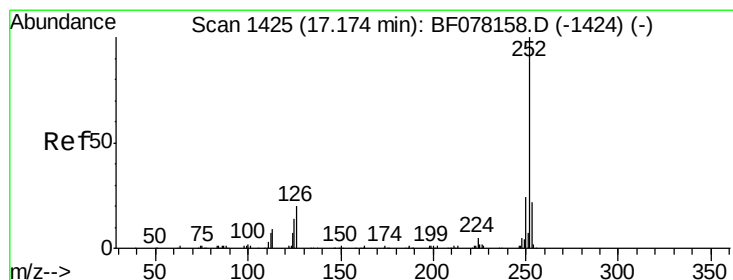
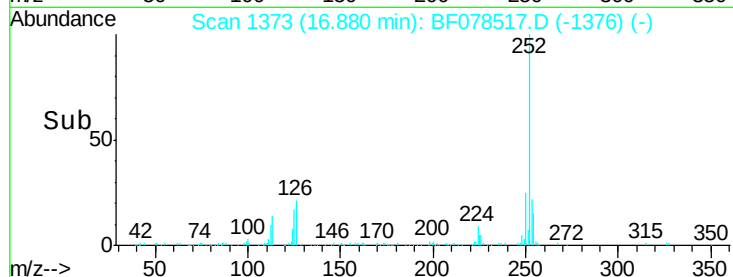
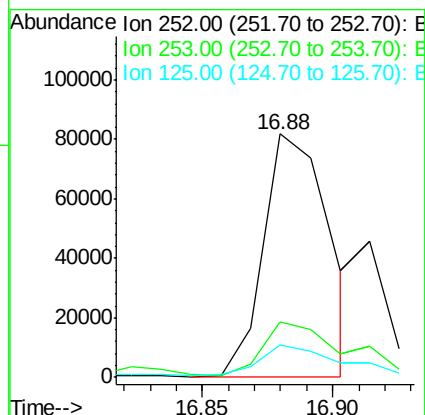
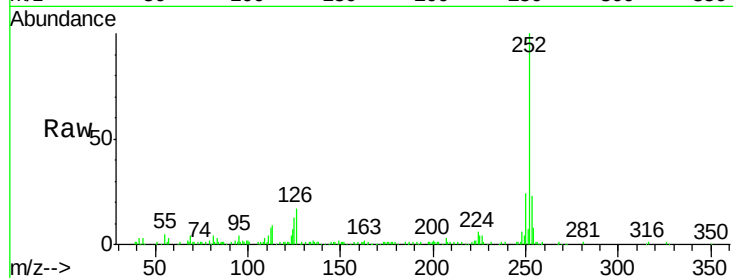




#87
Benzo(b)fluoranthene
Concen: 20.75 ng
RT: 16.88 min Scan# 1373
Delta R.T. -0.14 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

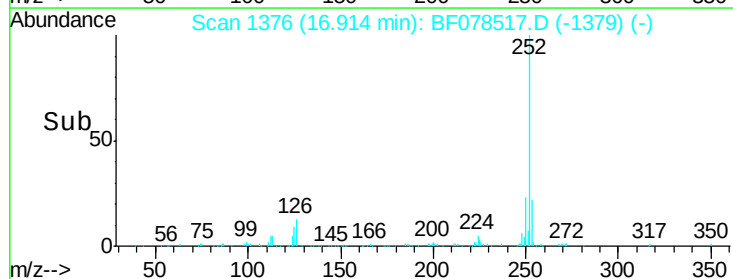
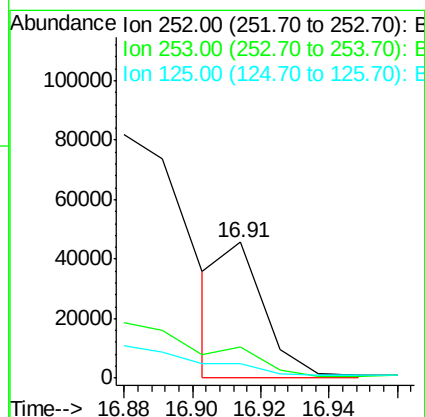
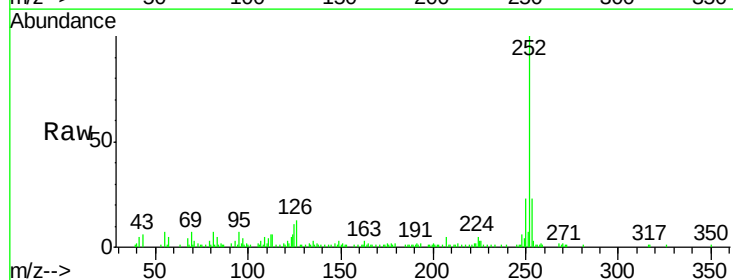
Instrument :
BNA_F
ClientSampleId :
HS-SB04A

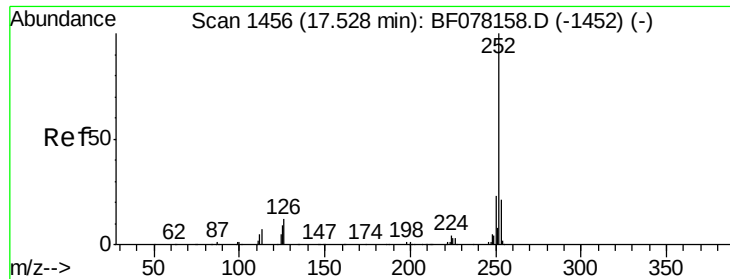
Tgt Ion:252 Resp: 142164
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 13.5 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 6.47 ng m
RT: 16.91 min Scan# 1376
Delta R.T. -0.14 min
Lab File: BF078517.D
Acq: 14 Apr 2015 23:49

Tgt Ion:252 Resp: 39381
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.7 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 15.84 ng

RT: 17.26 min Scan# 1406

Delta R.T. -0.16 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

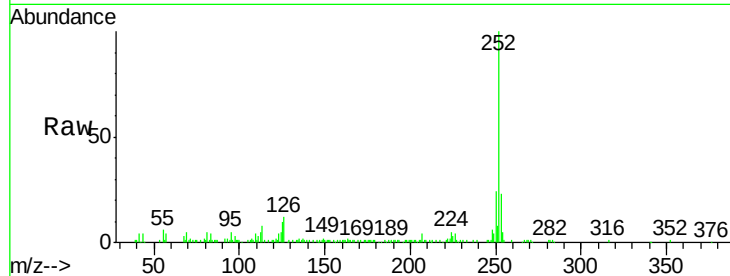
Tgt Ion:252 Resp: 94705

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

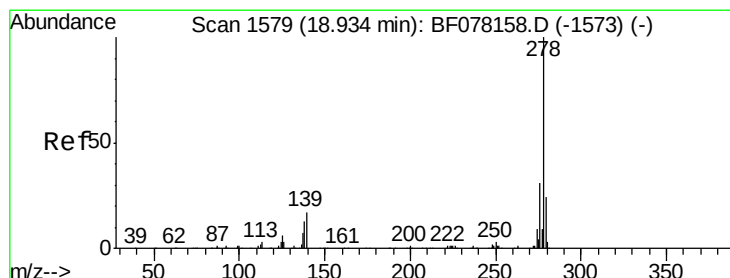
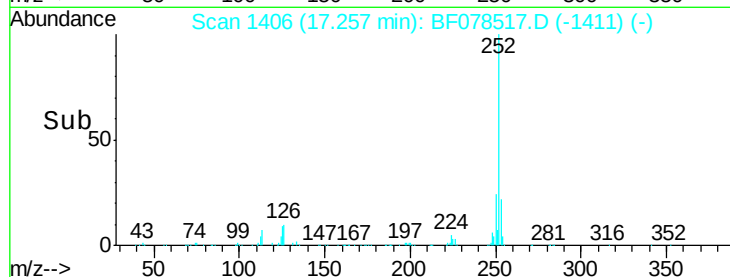
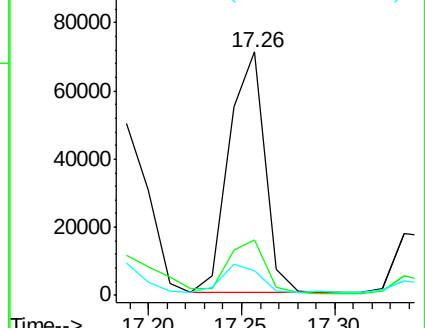
125 10.3 7.4 11.0



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: 2.81 ng m

RT: 18.56 min Scan# 1520

Delta R.T. -0.27 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

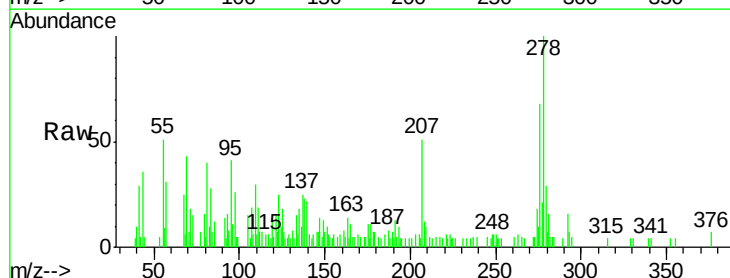
Tgt Ion:278 Resp: 16853

Ion Ratio Lower Upper

278 100

139 22.5 13.6 20.4#

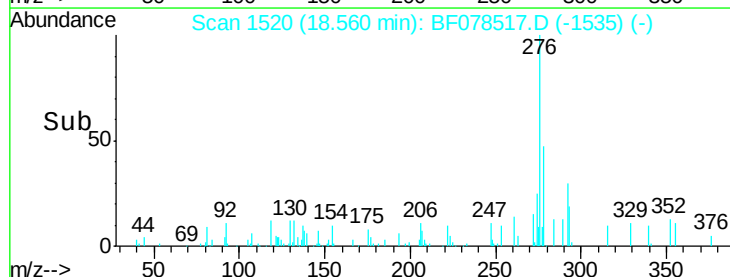
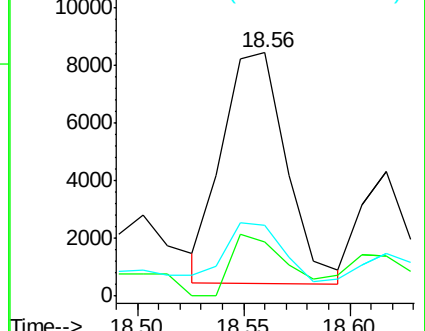
279 29.1 19.0 28.6#

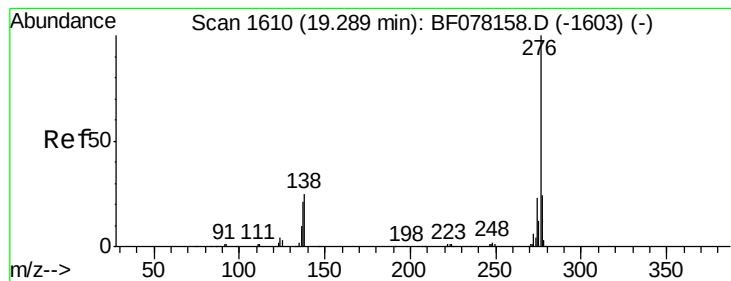


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.84 ng m

RT: 18.88 min Scan# 1548

Delta R.T. -0.27 min

Lab File: BF078517.D

Acq: 14 Apr 2015 23:49

Instrument :

BNA_F

ClientSampleId :

HS-SB04A

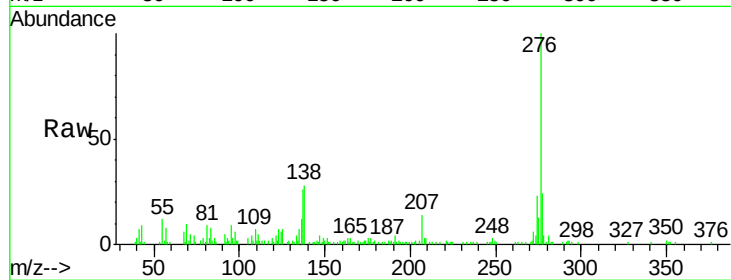
Tgt Ion: 276 Resp: 65086

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 27.9 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

