

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078511.D
 Acq On : 14 Apr 2015 20:57
 Operator : TP/IZ
 Sample : G1828-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02B

Quant Time: Apr 15 01:24:48 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

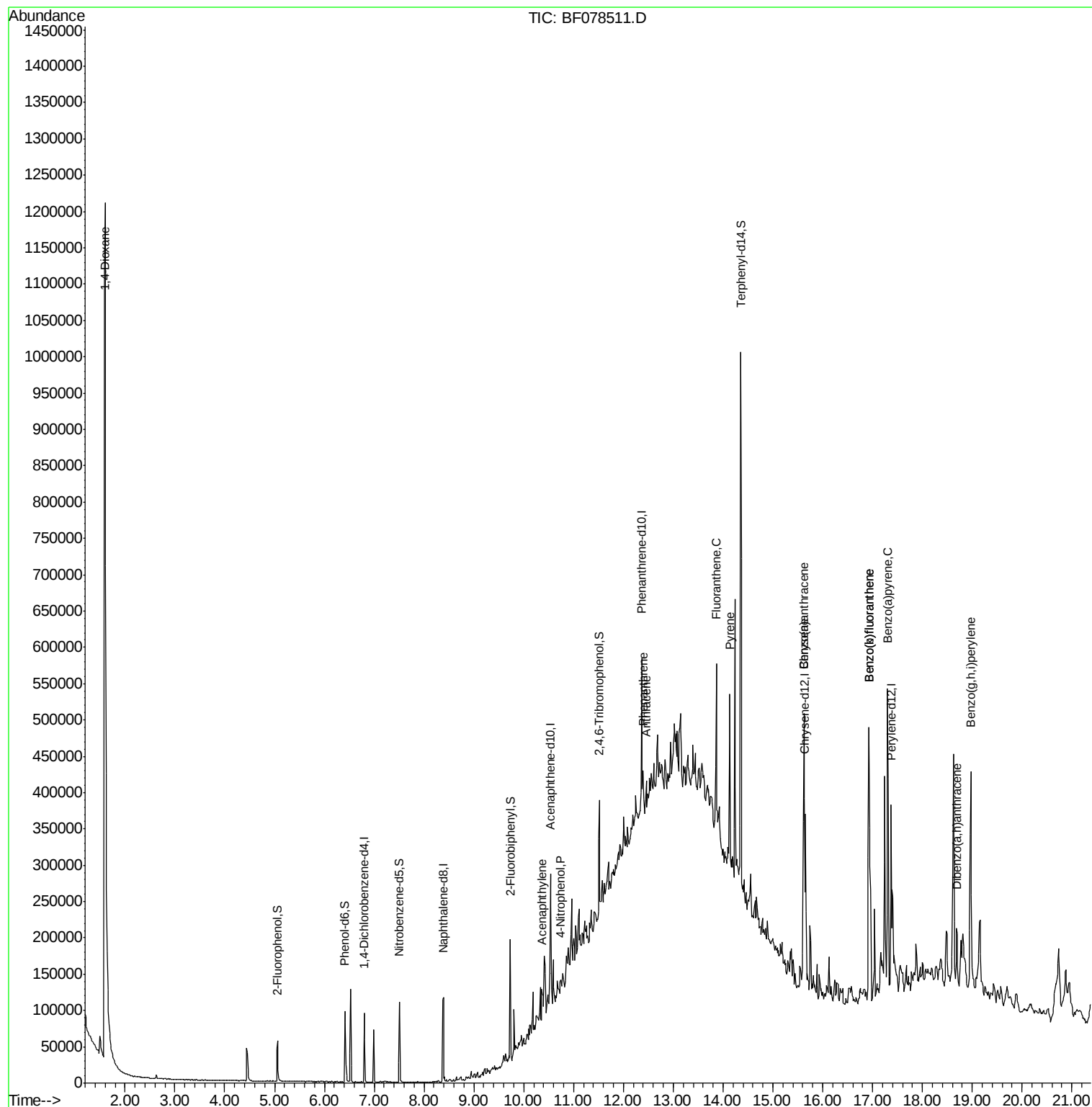
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	19242	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	83173	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	43946	20.00	ng	0.00
63) Phenanthrene-d10	12.36	188	85029	20.00	ng	0.00
75) Chrysene-d12	15.63	240	108278	20.00	ng	-0.02
86) Perylene-d12	17.37	264	118386	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	26961	23.10	ng	0.01
7) Phenol-d6	6.41	99	55882	38.21	ng	0.00
23) Nitrobenzene-d5	7.51	82	37574	27.38	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	21592	59.24	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	79072	25.72	ng	0.00
78) Terphenyl-d14	14.35	244	317717	66.30	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.60	88	61627	116.78	ng	# 25
48) Acenaphthylene	10.36	152	12659	2.77	ng	# 90
55) 4-Nitrophenol	10.73	139	1379	5.11	ng	# 1
70) Phenanthrene	12.40	178	31035	6.31	ng	# 89
71) Anthracene	12.46	178	13265	2.74	ng	# 76
74) Fluoranthene	13.86	202	103044	19.87	ng	94
77) Pyrene	14.14	202	123480	18.17	ng	# 96
80) Benzo(a)anthracene	15.62	228	124993	19.40	ng	96
82) Chrysene	15.62	228	120783	19.95	ng	96
87) Benzo(b)fluoranthene	16.93	252	312147	42.66	ng	# 96
88) Benzo(k)fluoranthene	16.93	252	318000	48.91	ng	97
89) Benzo(a)pyrene	17.30	252	224354	35.14	ng	# 92
90) Dibenzo(a,h)anthracene	18.70	278	14193	2.22	ng	# 78
91) Benzo(g,h,i)perylene	18.97	276	180204	28.11	ng	98

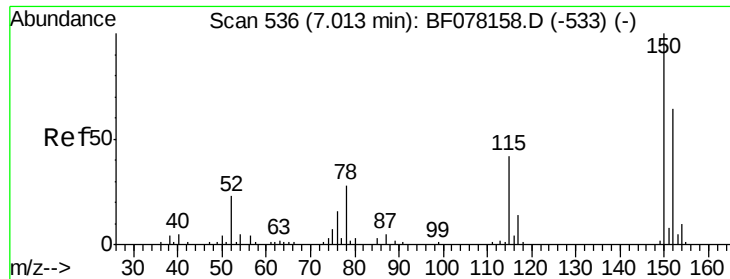
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078511.D
Acq On : 14 Apr 2015 20:57
Operator : TP/IZ
Sample : G1828-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB02B

Quant Time: Apr 15 01:24:48 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



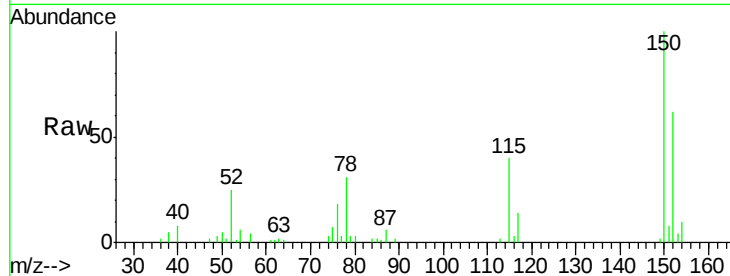


#1

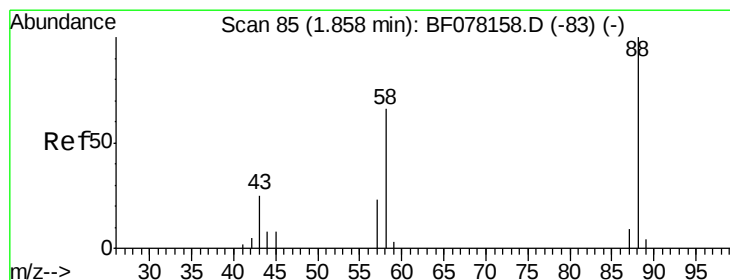
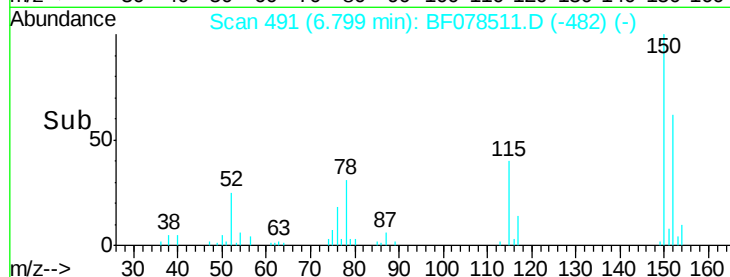
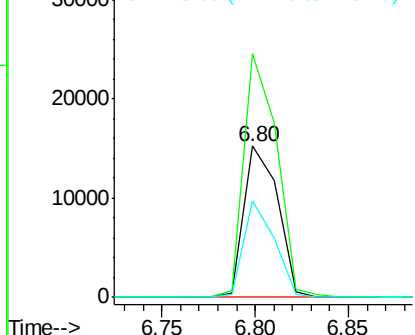
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

Instrument :
BNA_F
ClientSampleId :
HS-SB02B

Tgt Ion:152 Resp: 19242
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 64.1 52.7 79.1



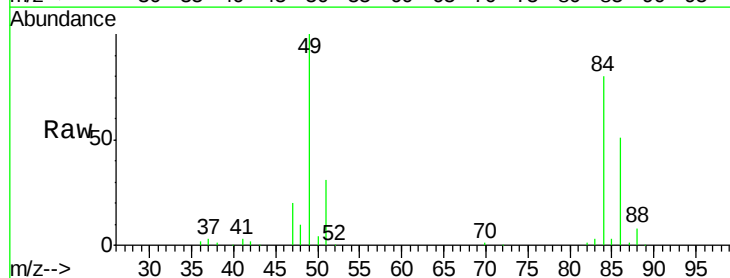
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



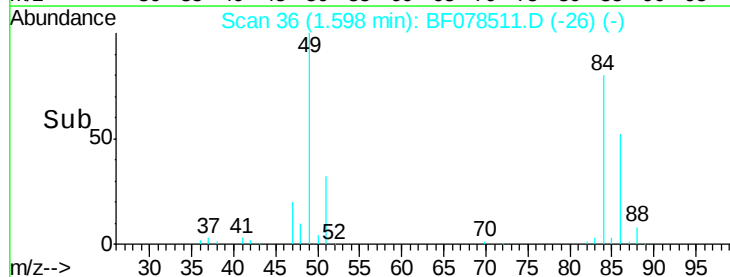
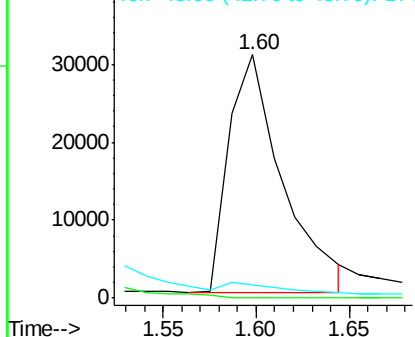
#2

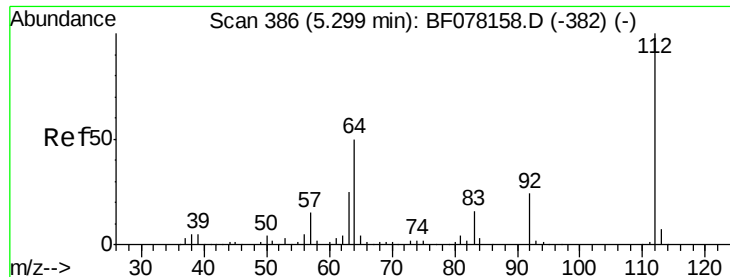
1,4-Dioxane
Concen: 116.78 ng
RT: 1.60 min Scan# 36
Delta R.T. 0.01 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

Tgt Ion: 88 Resp: 61627
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 3.7 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: 23.10 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

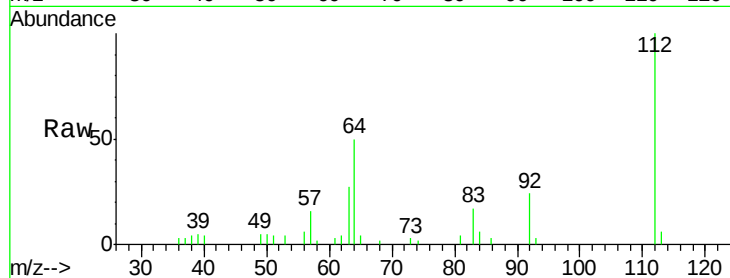
Tgt Ion: 112 Resp: 26961

Ion Ratio Lower Upper

112 100

64 50.4 39.9 59.9

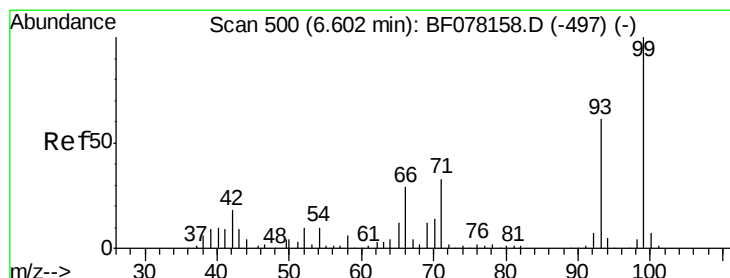
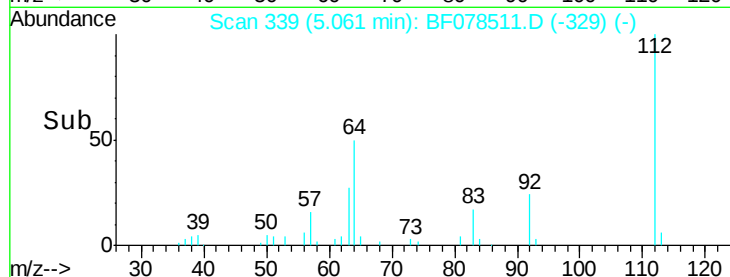
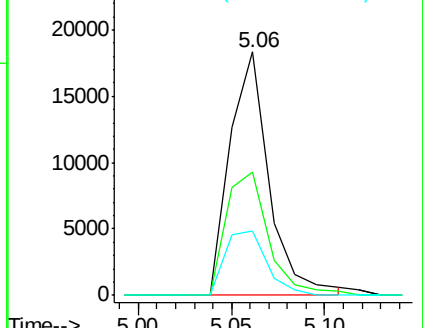
63 26.6 20.2 30.4



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: 38.21 ng

RT: 6.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

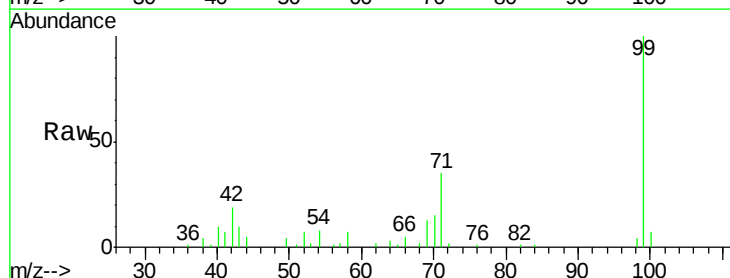
Tgt Ion: 99 Resp: 55882

Ion Ratio Lower Upper

99 100

42 19.4 14.8 22.2

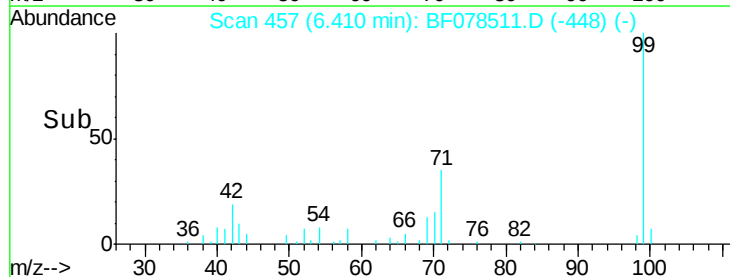
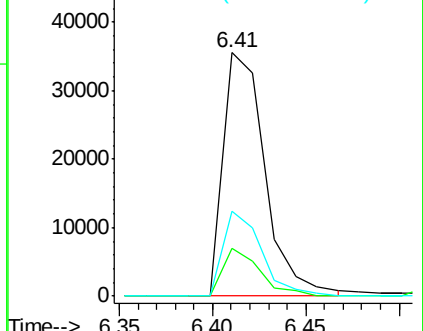
71 35.1 26.6 39.8



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: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

Tgt Ion:136 Resp: 83173

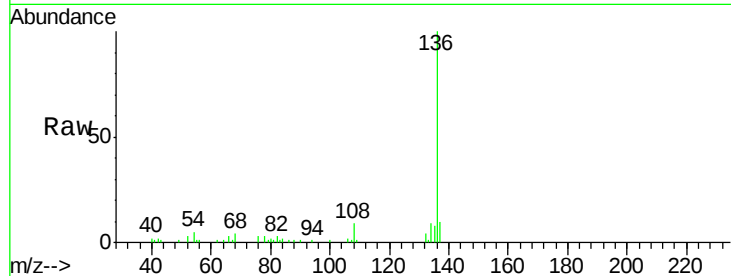
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.0 7.0 10.6#

68 4.1 5.4 8.2#

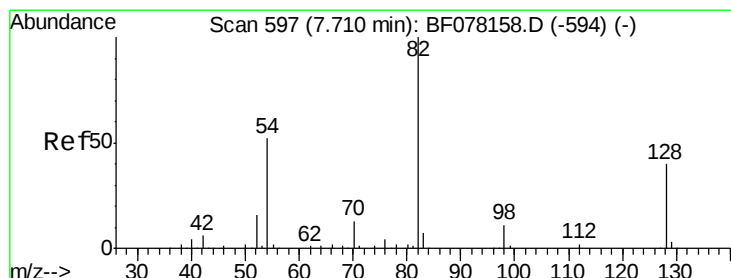
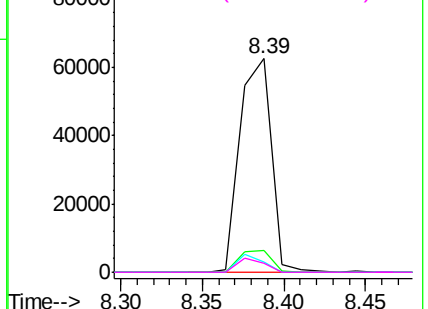
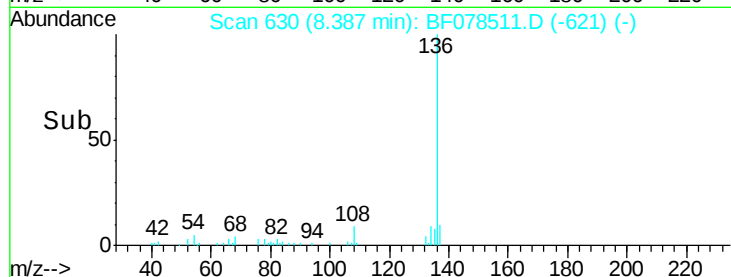


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.38 ng

RT: 7.51 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

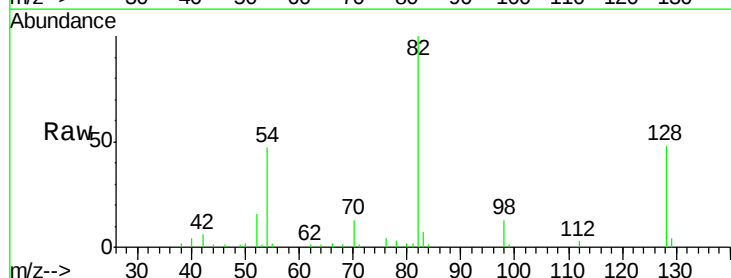
Tgt Ion: 82 Resp: 37574

Ion Ratio Lower Upper

82 100

128 47.6 31.8 47.8

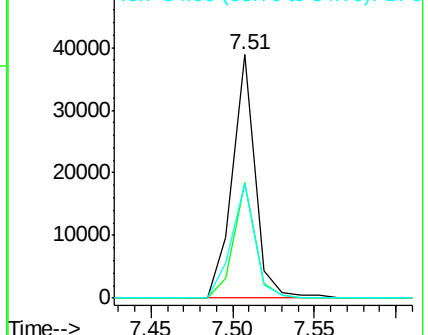
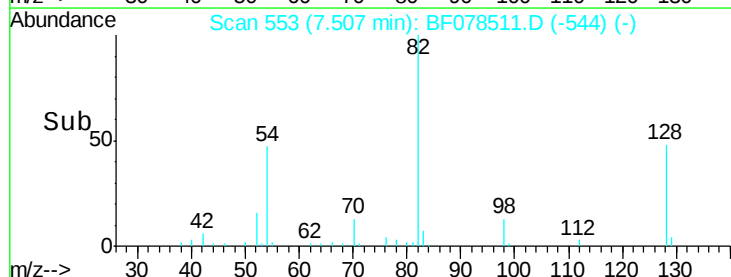
54 47.2 41.5 62.3

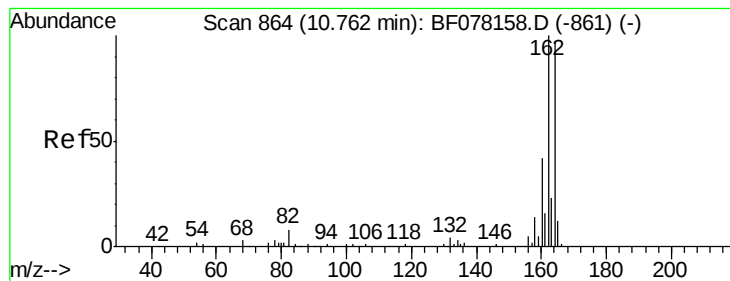


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

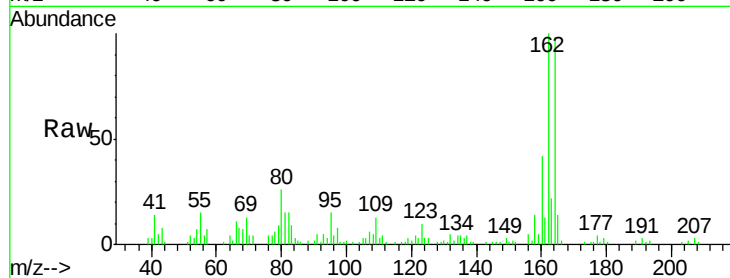
Tgt Ion:164 Resp: 43946

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.2

160 42.3 34.7 52.1



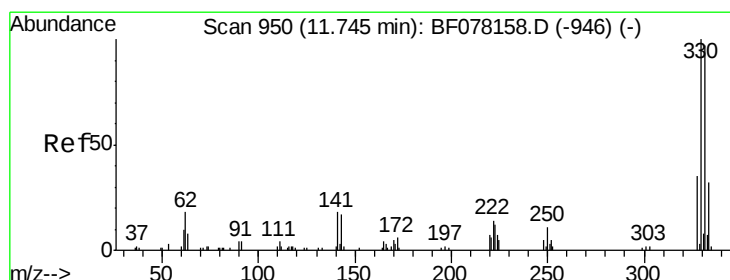
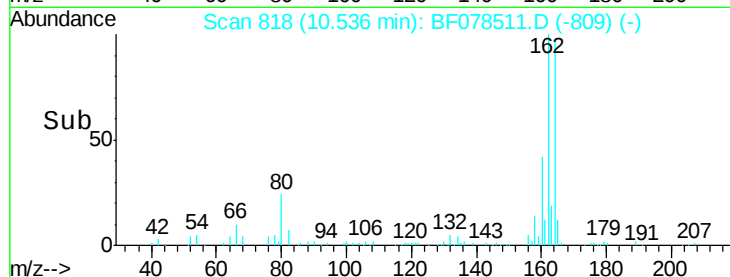
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

10.54

Time-->



#41

2,4,6-Tribromophenol

Concen: 59.24 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

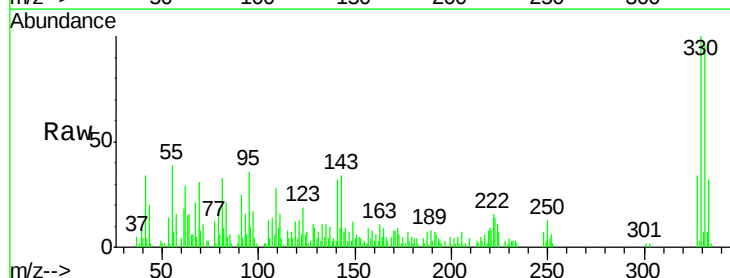
Tgt Ion:330 Resp: 21592

Ion Ratio Lower Upper

330 100

332 95.1 78.6 117.8

141 44.4 31.2 46.8



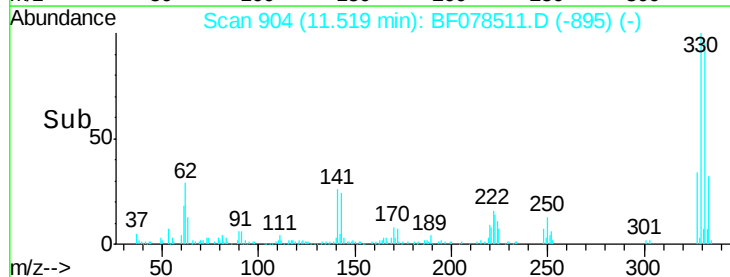
Abundance Ion 329.80 (329.50 to 330.50): E

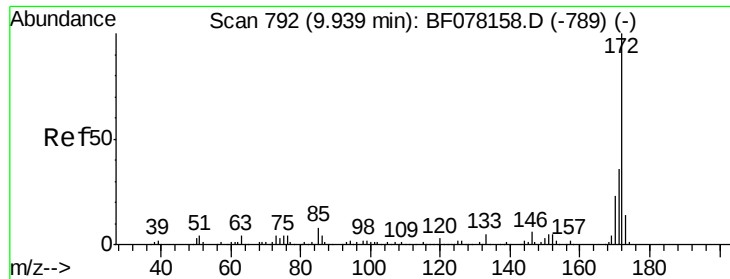
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

11.52

Time-->





#44

2-Fluorobiphenyl

Concen: 25.72 ng

RT: 9.74 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

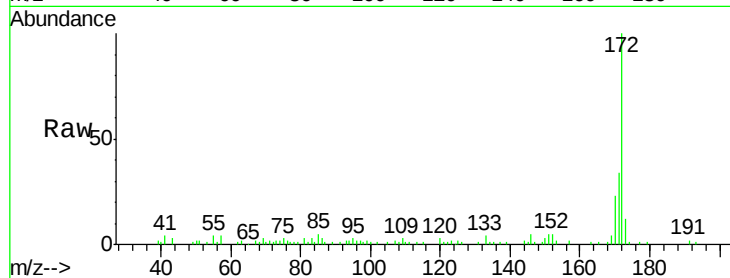
Tgt Ion:172 Resp: 79072

Ion Ratio Lower Upper

172 100

171 34.3 28.6 42.8

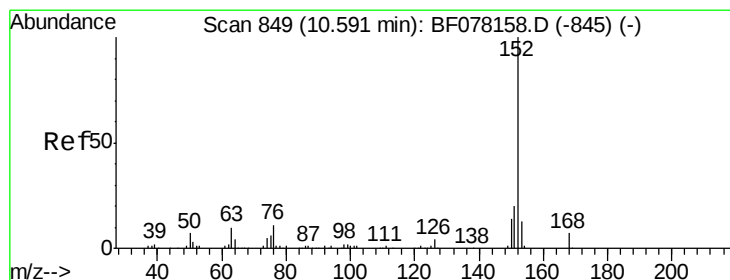
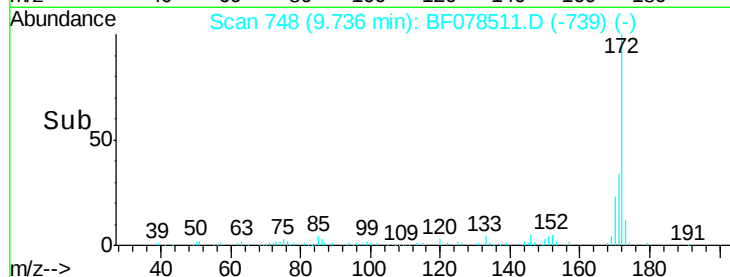
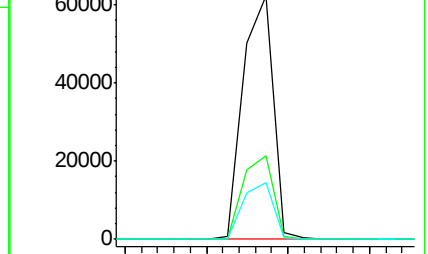
170 23.2 18.5 27.7



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: 2.77 ng

RT: 10.36 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

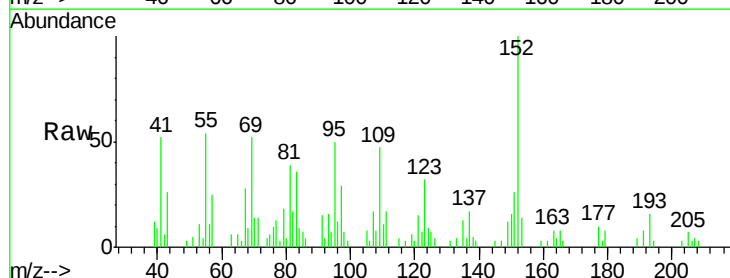
Tgt Ion:152 Resp: 12659

Ion Ratio Lower Upper

152 100

151 25.7 15.7 23.5#

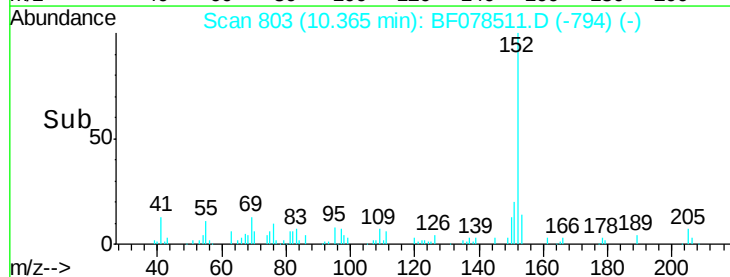
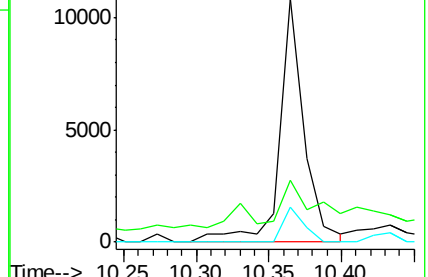
153 14.4 10.2 15.2

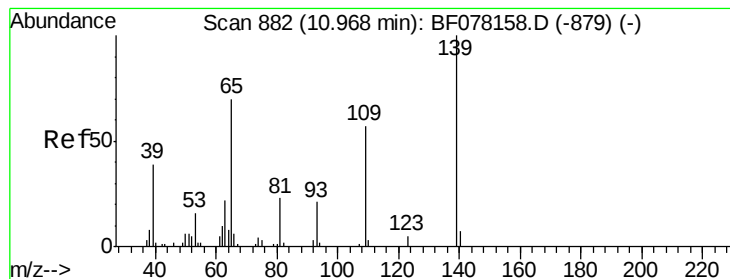


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#55

4-Nitrophenol

Concen: 5.11 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.03 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

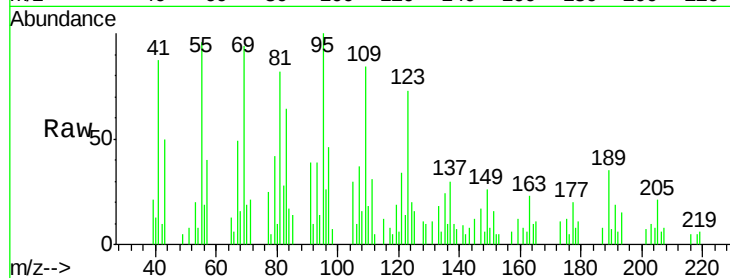
Tgt Ion:139 Resp: 1379

Ion Ratio Lower Upper

139 100

109 1250.3 36.7 76.7#

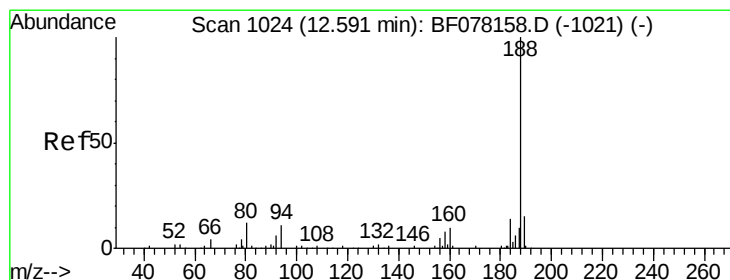
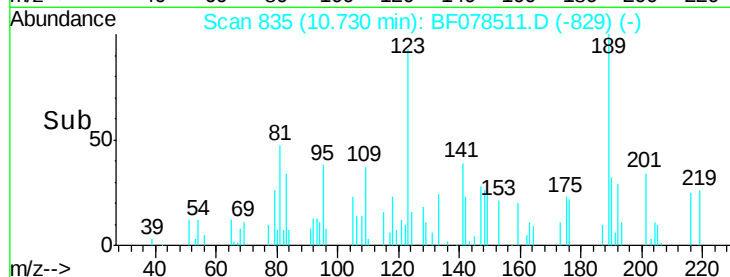
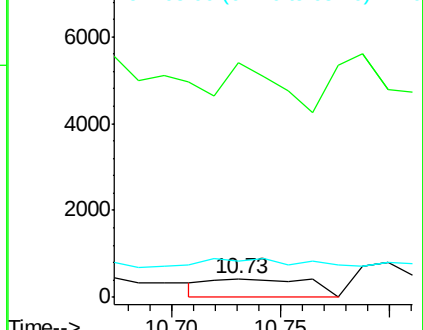
65 194.2 49.9 89.9#



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: 12.36 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

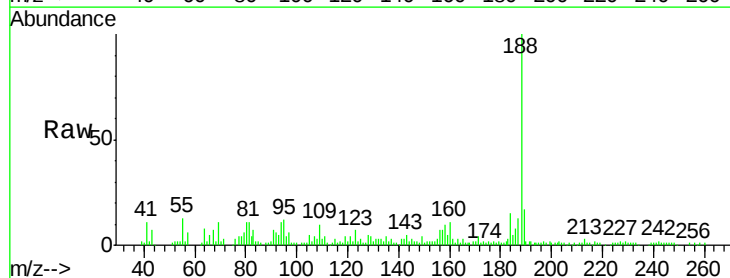
Tgt Ion:188 Resp: 85029

Ion Ratio Lower Upper

188 100

94 11.5 9.0 13.4

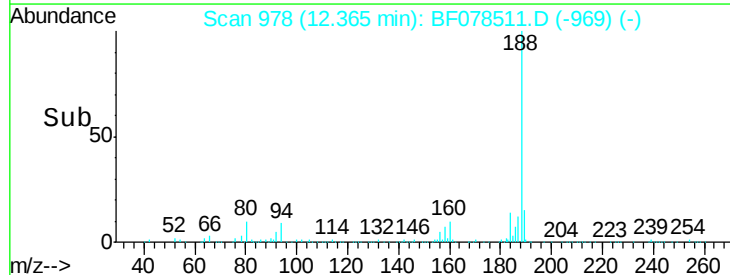
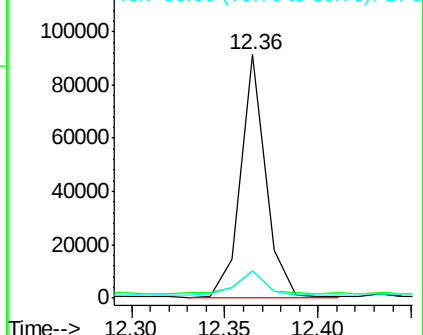
80 11.3 9.5 14.3

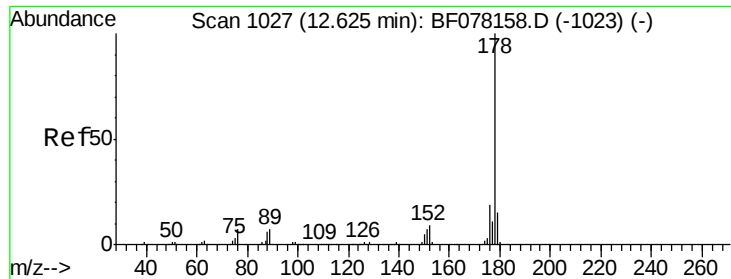


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

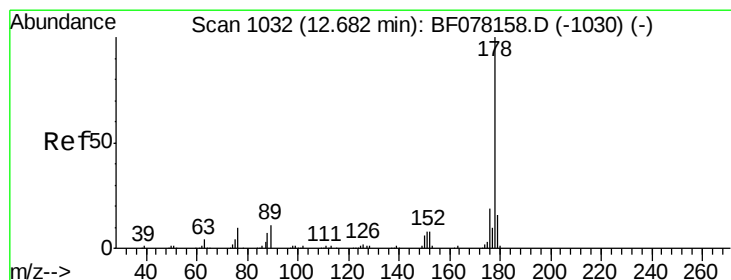
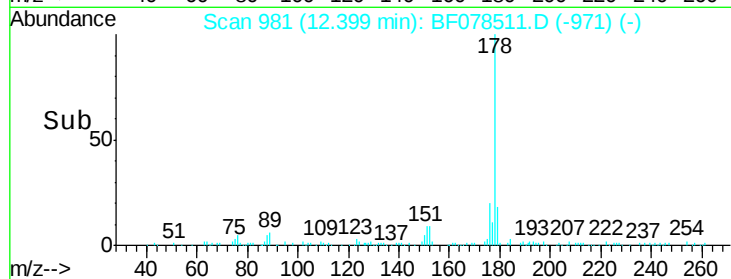
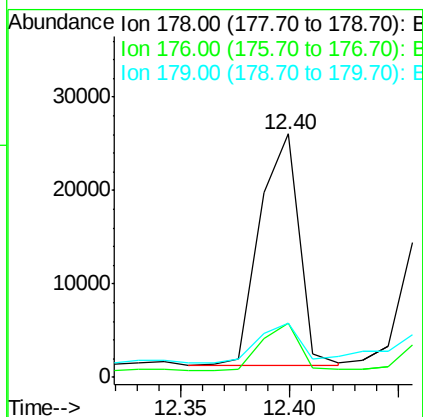
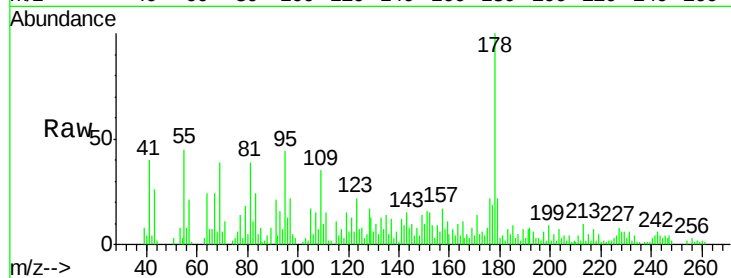




#70
Phenanthrene
Concen: 6.31 ng
RT: 12.40 min Scan# 981
Delta R.T. 0.01 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

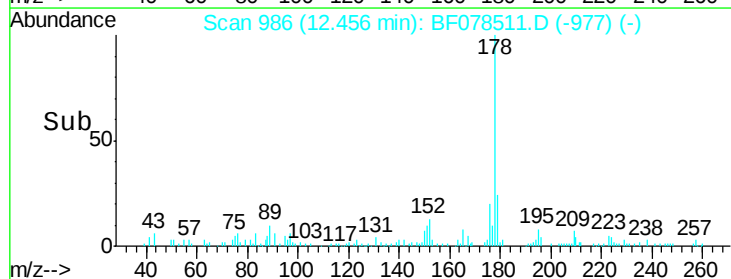
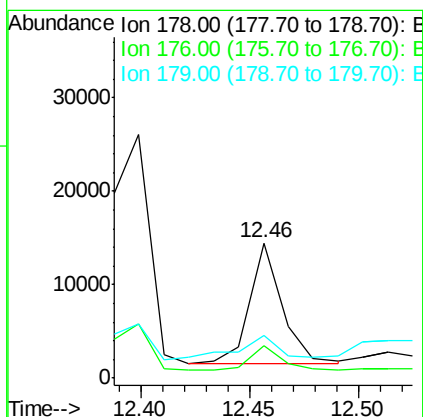
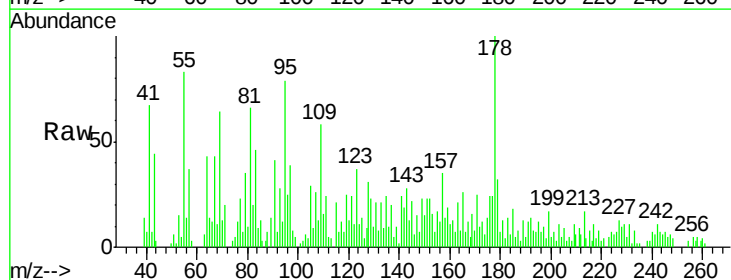
Instrument :
BNA_F
ClientSampleId :
HS-SB02B

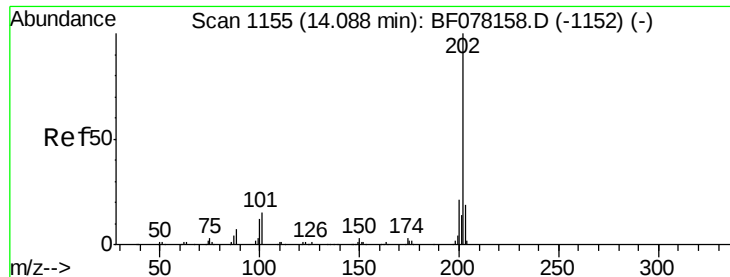
Tgt Ion:178 Resp: 31035
Ion Ratio Lower Upper
178 100
176 22.1 15.4 23.0
179 22.5 12.2 18.2#



#71
Anthracene
Concen: 2.74 ng
RT: 12.46 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

Tgt Ion:178 Resp: 13265
Ion Ratio Lower Upper
178 100
176 23.8 14.8 22.2#
179 31.8 12.4 18.6#

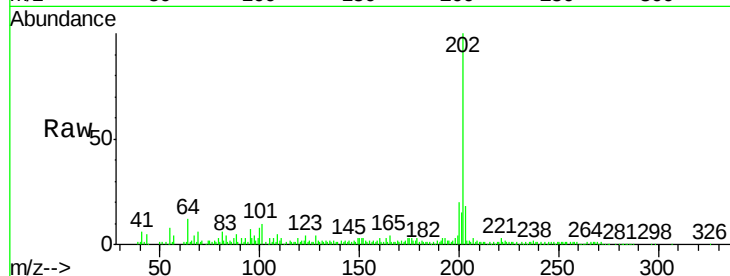




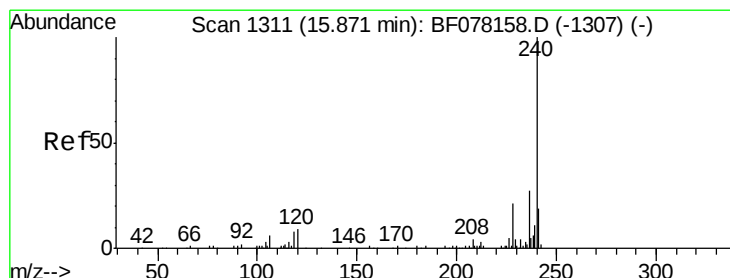
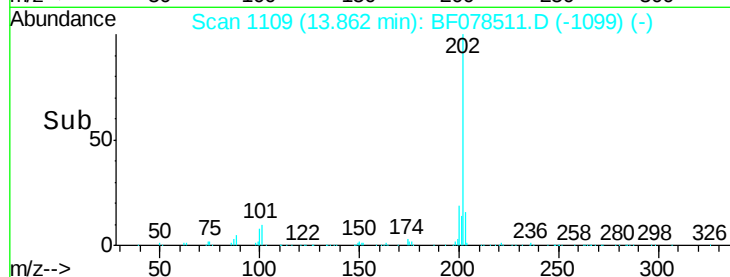
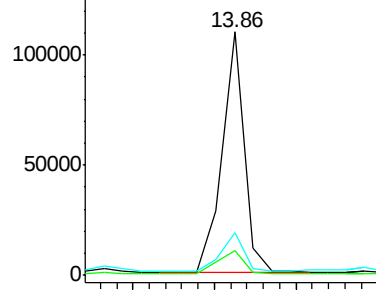
#74
 Fluoranthene
 Concen: 19.87 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF078511.D
 Acq: 14 Apr 2015 20:57

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02B

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	35.2
203	17.7	0.0	38.5

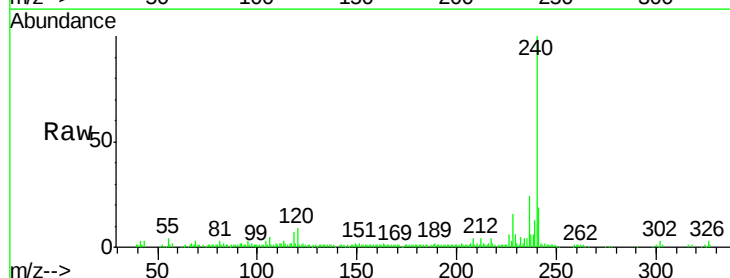


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

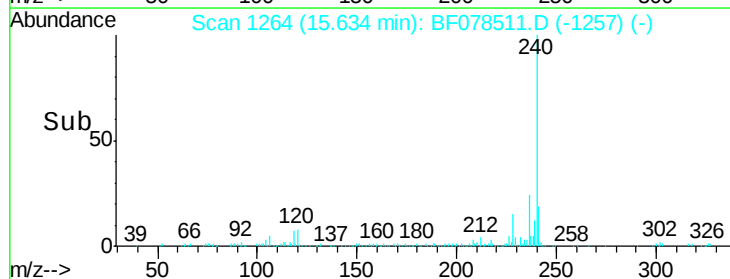
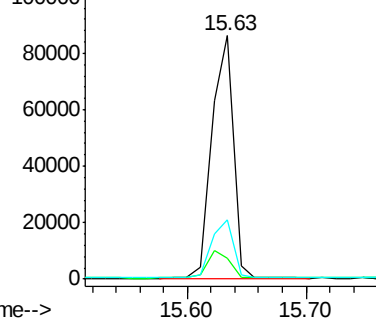


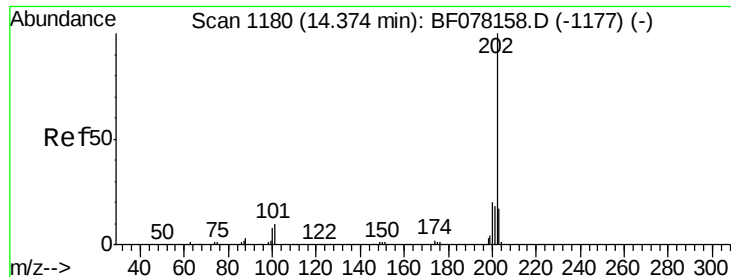
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF078511.D
 Acq: 14 Apr 2015 20:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.1	10.7
236	24.1	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: 18.17 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

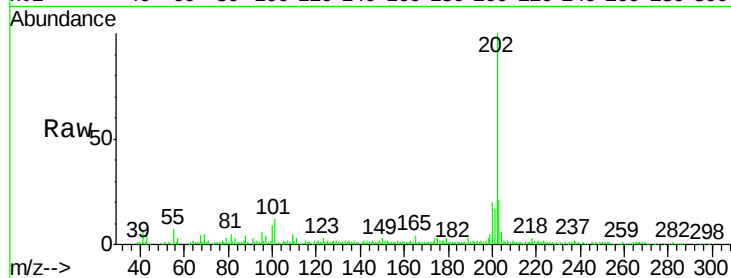
Tgt Ion:202 Resp: 123480

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

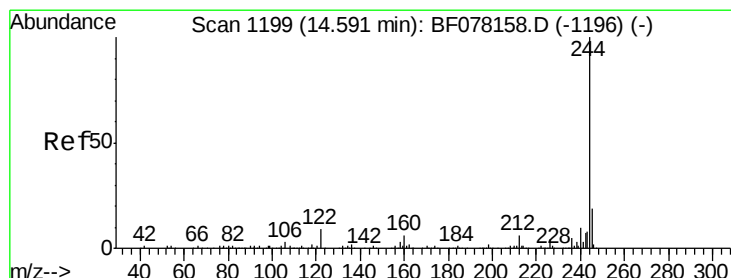
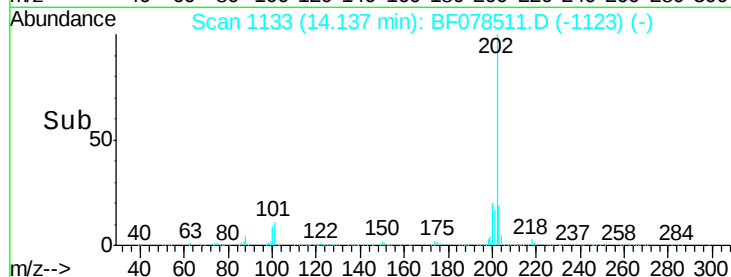
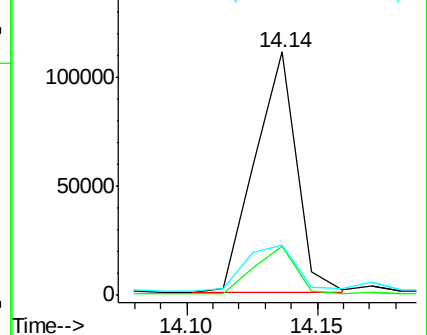
203 20.8 13.8 20.6#



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: 66.30 ng

RT: 14.35 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

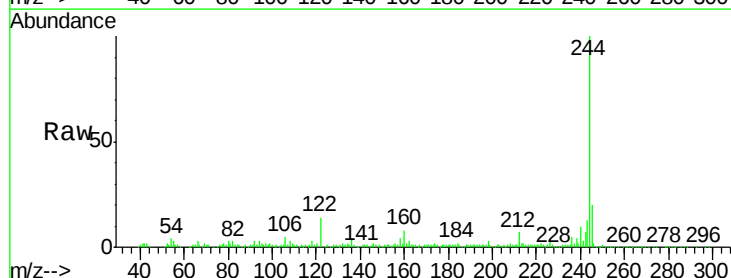
Tgt Ion:244 Resp: 317717

Ion Ratio Lower Upper

244 100

212 7.2 5.0 7.4

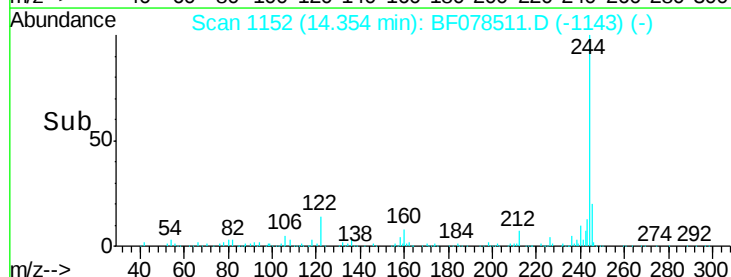
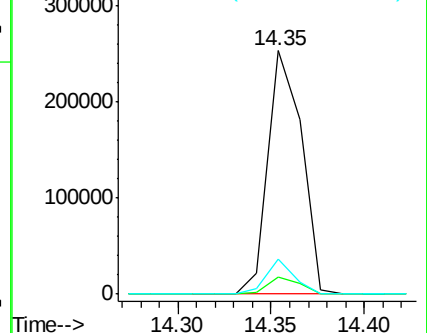
122 14.4 7.1 10.7#

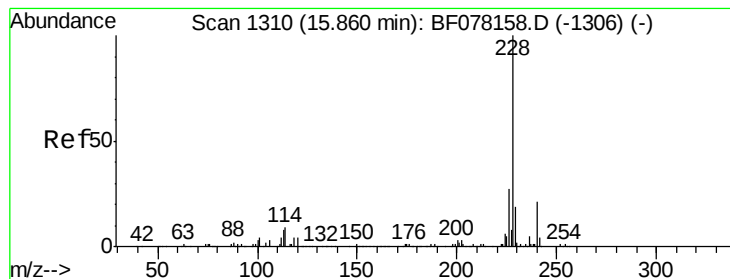


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.40 ng

RT: 15.62 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampleId :

HS-SB02B

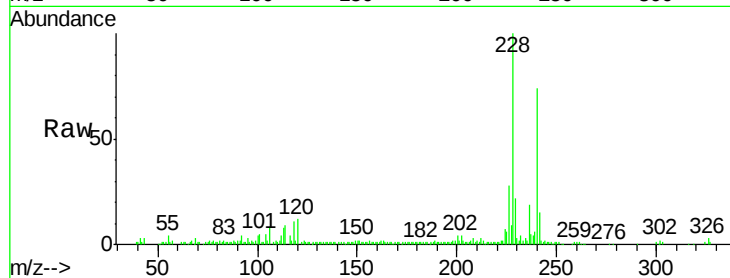
Tgt Ion:228 Resp: 124993

Ion Ratio Lower Upper

228 100

226 27.8 21.3 31.9

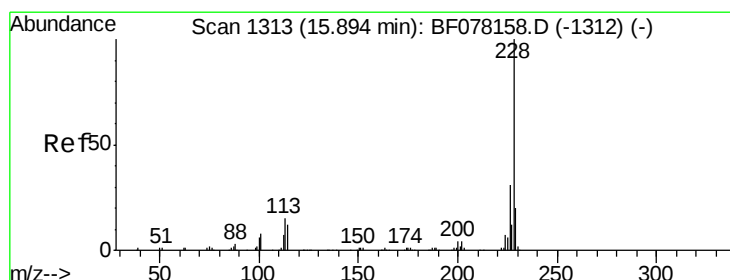
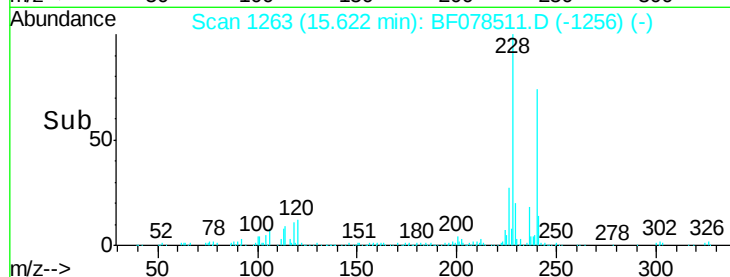
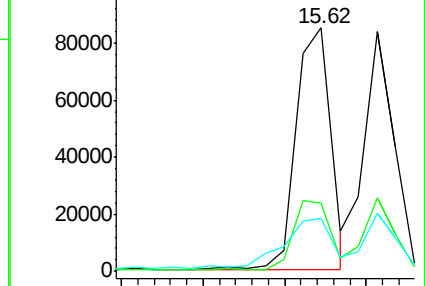
229 21.8 15.4 23.2



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: 19.95 ng

RT: 15.62 min Scan# 1263

Delta R.T. -0.07 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

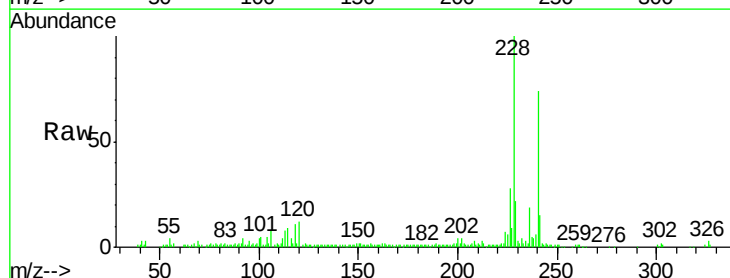
Tgt Ion:228 Resp: 120783

Ion Ratio Lower Upper

228 100

226 27.8 24.2 36.4

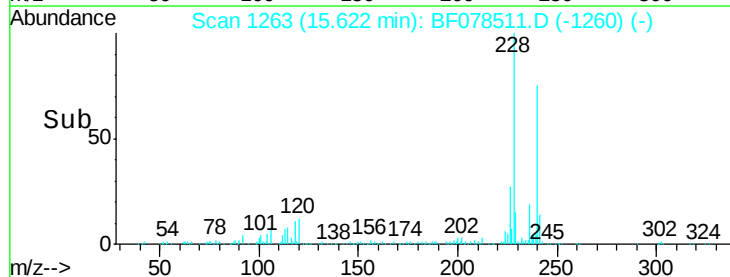
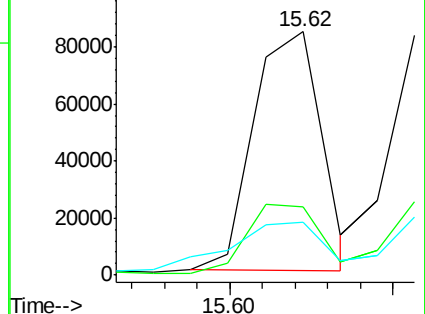
229 21.8 15.8 23.8

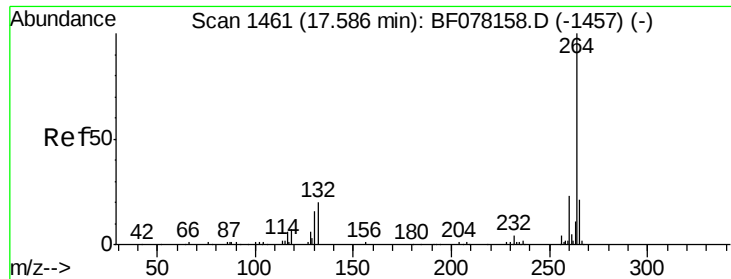


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



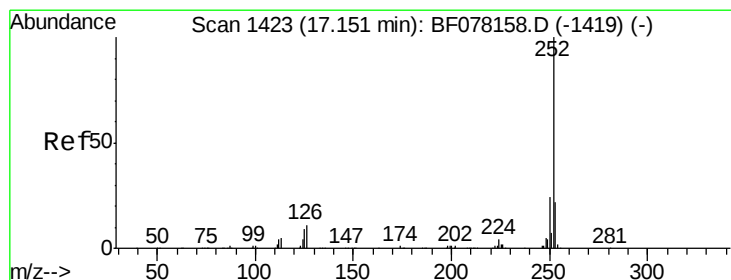
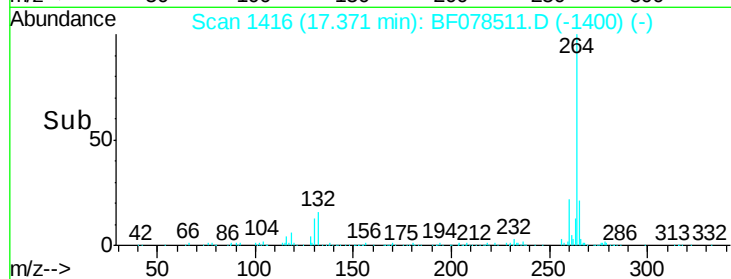
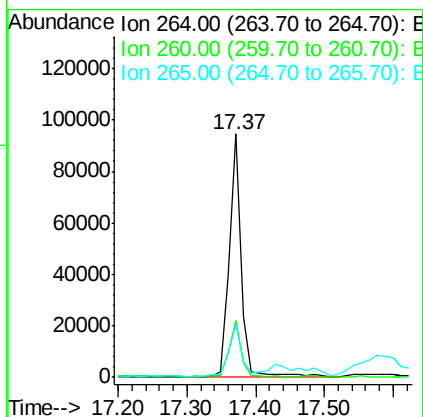
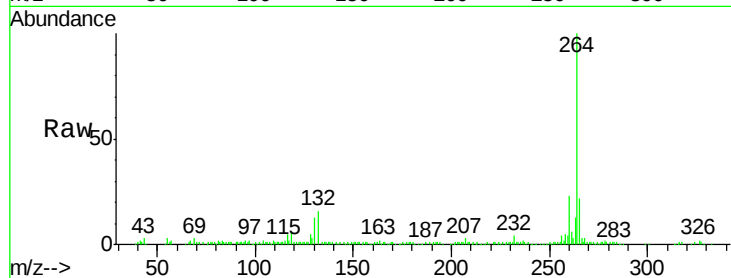


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.37 min Scan# 1416
Delta R.T. -0.11 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

Instrument :
BNA_F
ClientSampleId :
HS-SB02B

Tgt Ion: 264 Resp: 118386

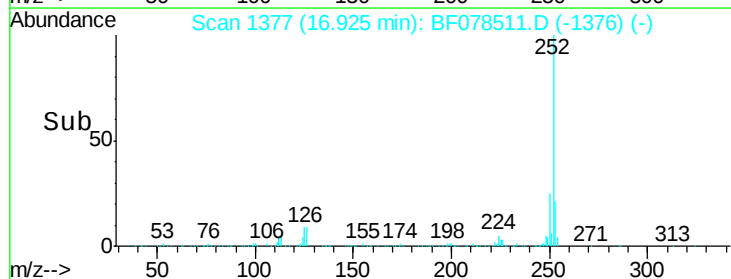
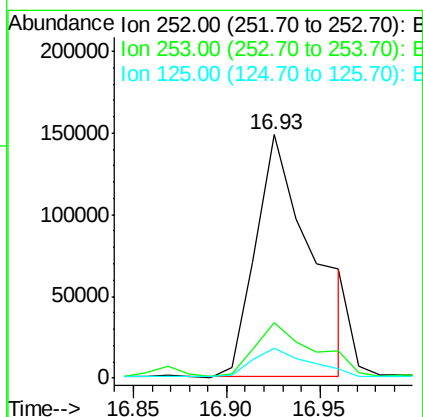
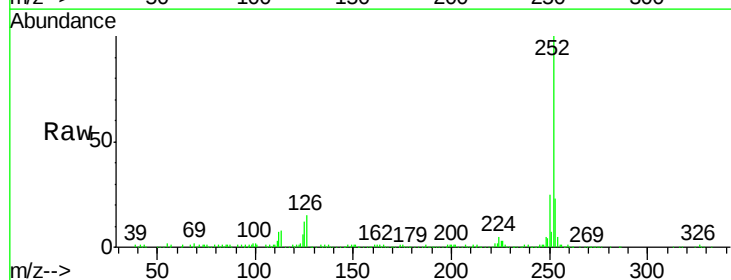
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.8	17.0	25.6

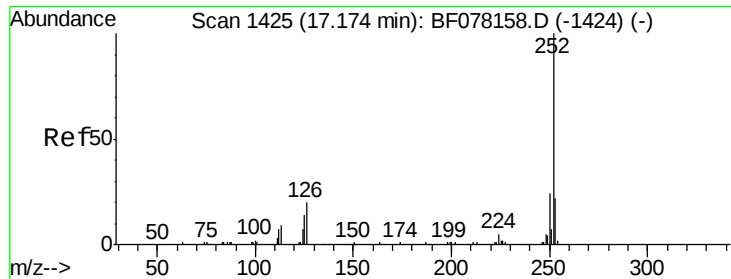


#87
Benzo(b)fluoranthene
Concen: 42.66 ng
RT: 16.93 min Scan# 1377
Delta R.T. -0.09 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

Tgt Ion: 252 Resp: 312147

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.3	7.0	10.4

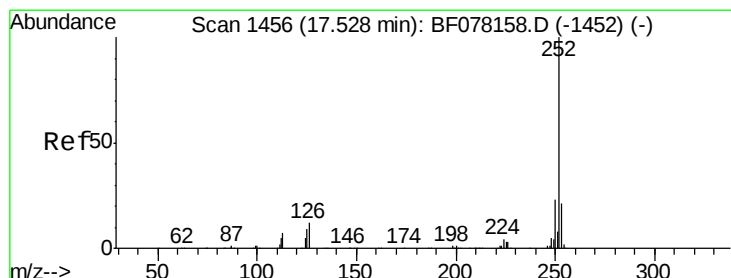
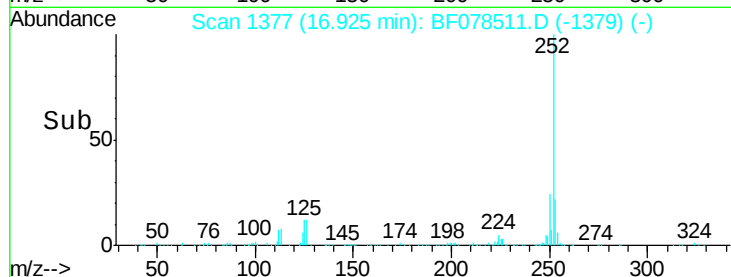
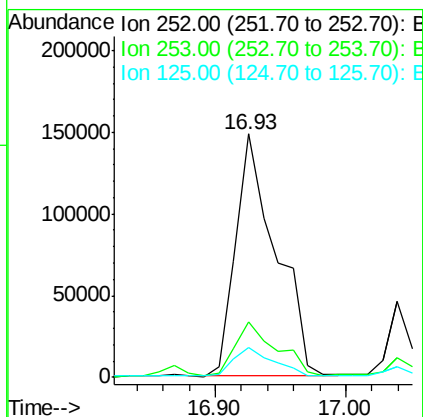
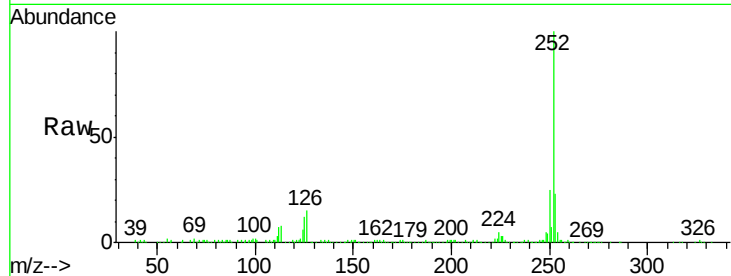




#88
Benzo(k)fluoranthene
Concen: 48.91 ng
RT: 16.93 min Scan# 1377
Delta R.T. -0.13 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

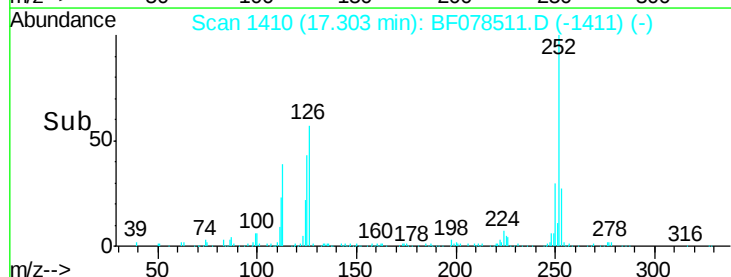
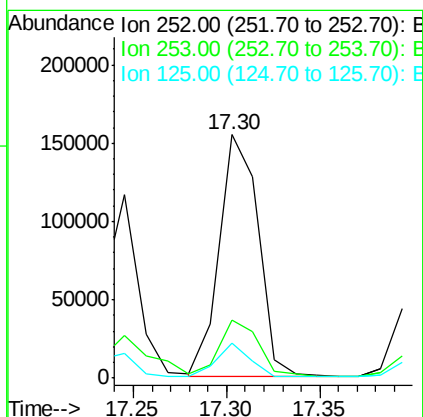
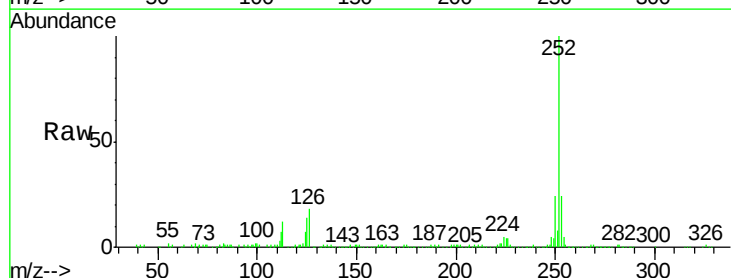
Instrument :
BNA_F
ClientSampleId :
HS-SB02B

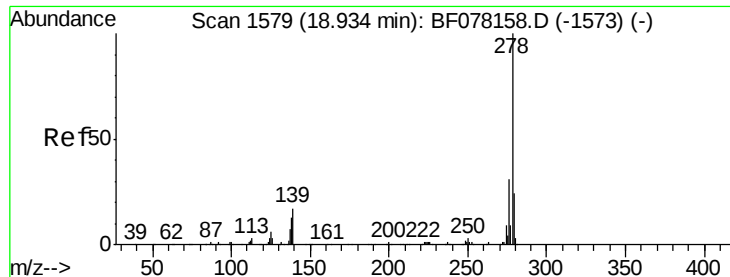
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	12.3	11.6	17.4



#89
Benzo(a)pyrene
Concen: 35.14 ng
RT: 17.30 min Scan# 1410
Delta R.T. -0.11 min
Lab File: BF078511.D
Acq: 14 Apr 2015 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.8	25.2
125	14.2	7.4	11.0





#90

Dibenzo(a,h)anthracene

Concen: 2.22 ng

RT: 18.70 min Scan# 1532

Delta R.T. -0.14 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

Instrument :

BNA_F

ClientSampled :

HS-SB02B

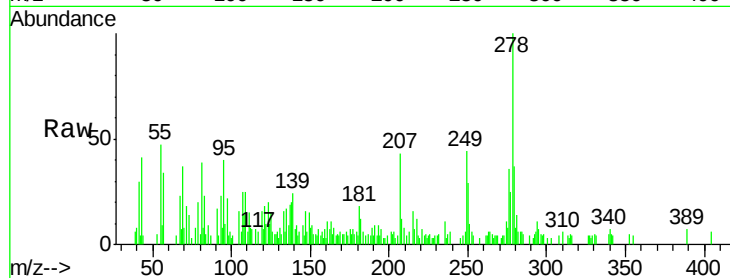
Tgt Ion: 278 Resp: 14193

Ion Ratio Lower Upper

278 100

139 23.9 13.6 20.4#

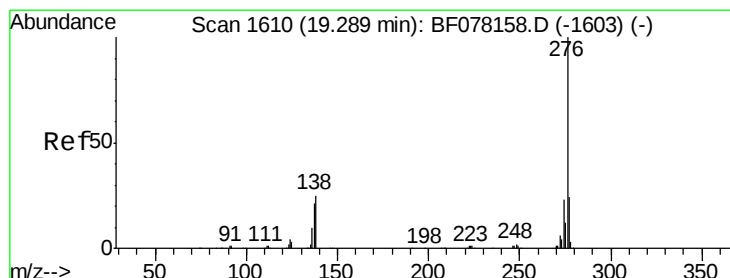
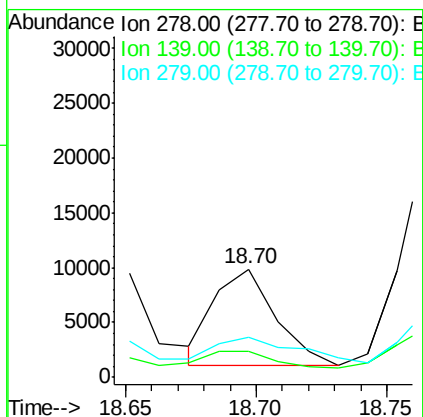
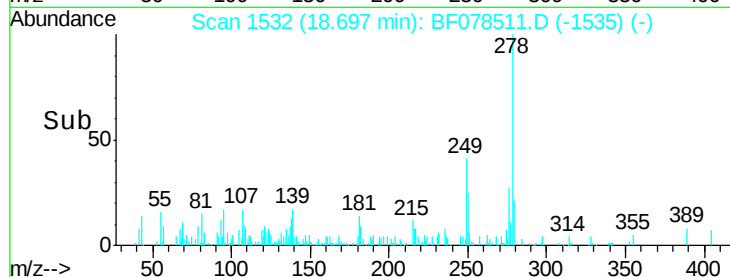
279 37.1 19.0 28.6#



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: 28.11 ng

RT: 18.97 min Scan# 1556

Delta R.T. -0.18 min

Lab File: BF078511.D

Acq: 14 Apr 2015 20:57

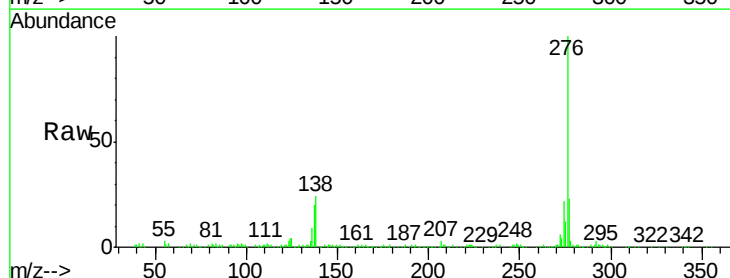
Tgt Ion: 276 Resp: 180204

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.5 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

