

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040815\
 Data File : BF078352.D
 Acq On : 8 Apr 2015 23:53
 Operator : TP/IZ
 Sample : G1794-02 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DBOX

Quant Time: Apr 09 01:11:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 00:49:15 2015
 Response via : Initial Calibration

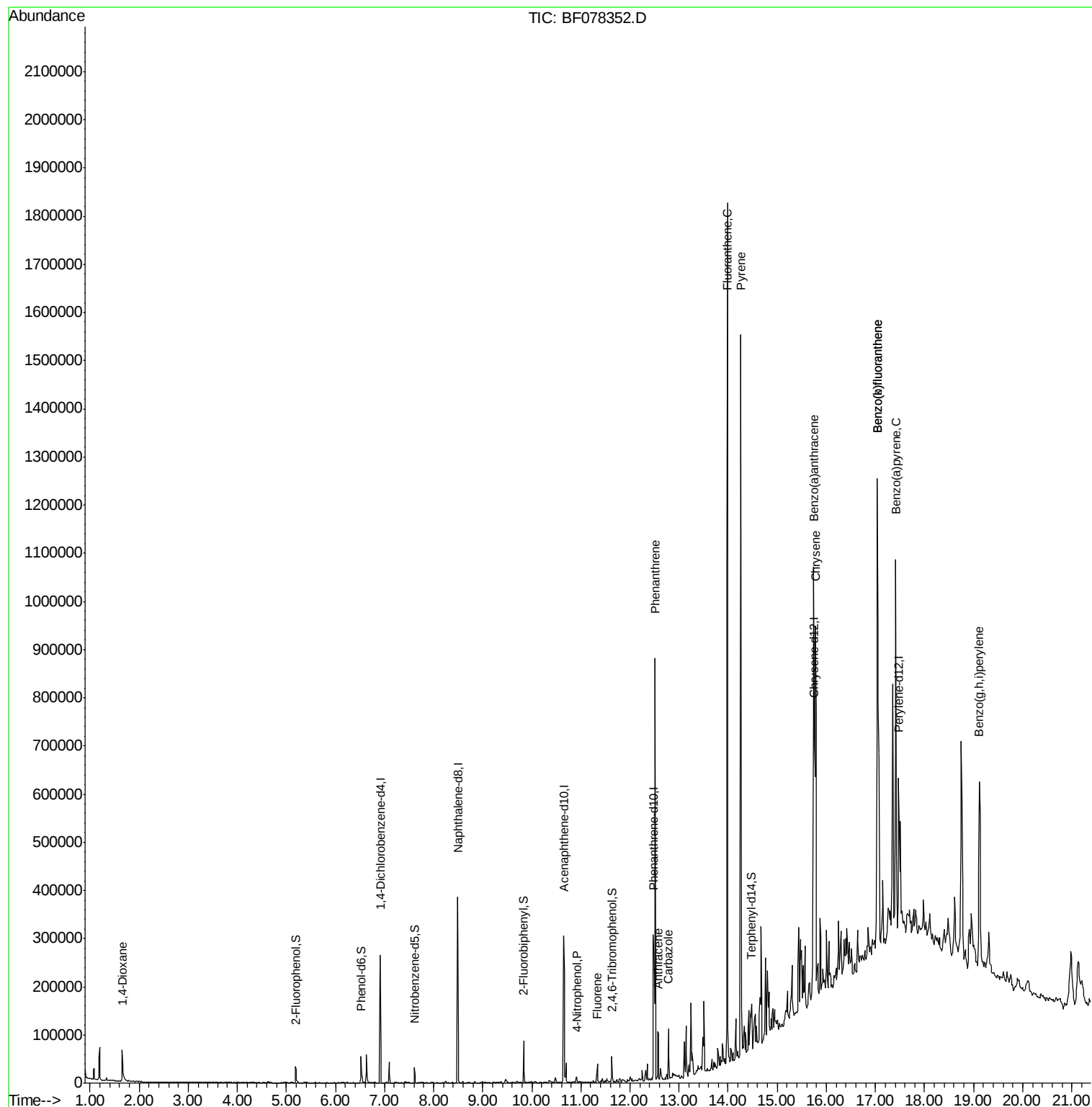
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	42248	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	173133	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	82806	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	161651	20.00	ng	0.00
75) Chrysene-d12	15.76	240	176105	20.00	ng	-0.01
86) Perylene-d12	17.47	264	170491	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	16005	6.25	ng	0.02
7) Phenol-d6	6.52	99	23478	7.31	ng	0.01
23) Nitrobenzene-d5	7.61	82	12946	4.53	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	5819	8.47	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	31074	5.36	ng	0.00
78) Terphenyl-d14	14.48	244	35478	4.55	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.65	88	2563	2.21	ng	Qvalue # 23
55) 4-Nitrophenol	10.91	139	2181	4.73	ng	# 18
57) Fluorene	11.33	166	13421	2.24	ng	95
70) Phenanthrene	12.51	178	341750	36.55	ng	100
71) Anthracene	12.58	178	61055	6.63	ng	99
72) Carbazole	12.79	167	48284	5.59	ng	99
74) Fluoranthene	13.99	202	897604	91.02	ng	93
77) Pyrene	14.26	202	721225	65.24	ng	97
80) Benzo(a)anthracene	15.75	228	388403	37.07	ng	97
82) Chrysene	15.78	228	443653	45.07	ng	97
87) Benzo(b)fluoranthene	17.04	252	687212	65.22	ng	# 94
88) Benzo(k)fluoranthene	17.04	252	822664	87.86	ng	98
89) Benzo(a)pyrene	17.41	252	368448	40.07	ng	# 95
91) Benzo(g,h,i)perylene	19.12	276	299694	32.47	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampled :

DBOX

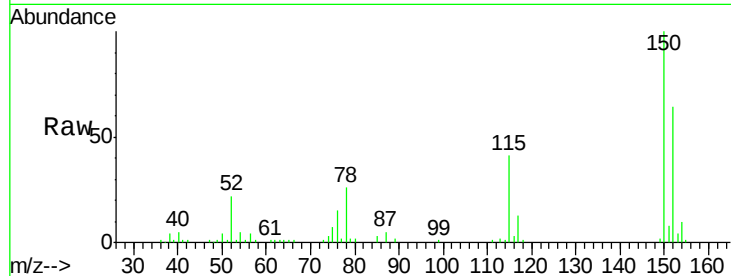
Tgt Ion:152 Resp: 42248

Ion Ratio Lower Upper

152 100

150 155.3 125.9 188.9

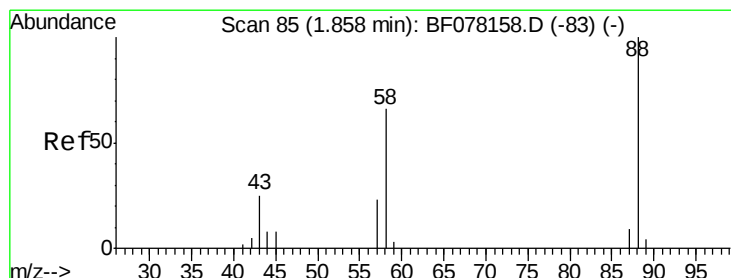
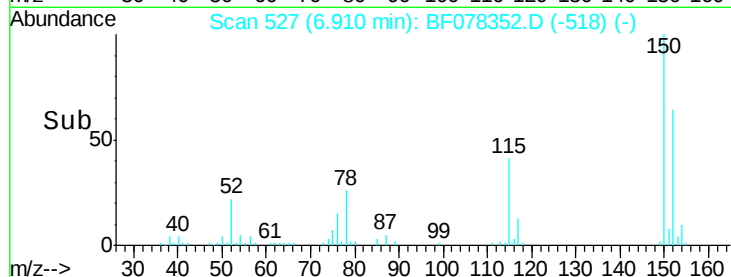
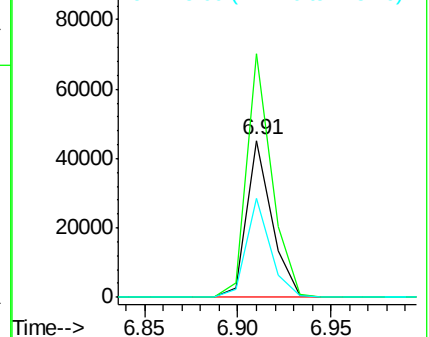
115 63.1 52.7 79.1



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: 2.21 ng

RT: 1.65 min Scan# 67

Delta R.T. -0.07 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

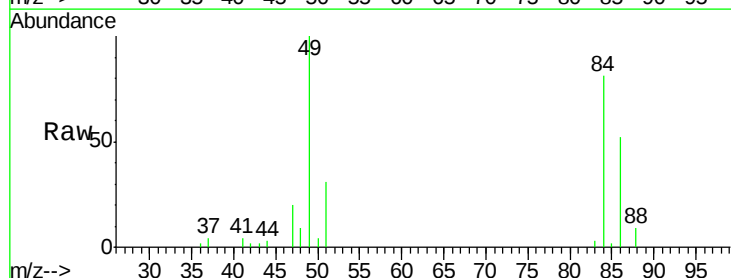
Tgt Ion: 88 Resp: 2563

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

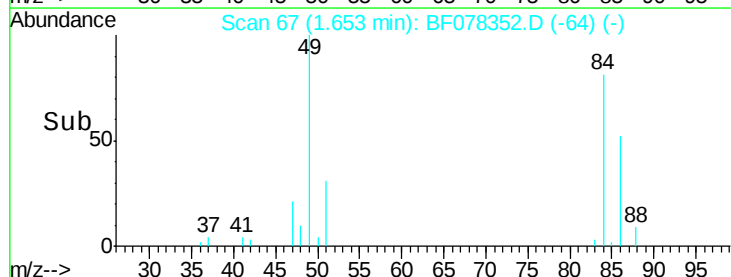
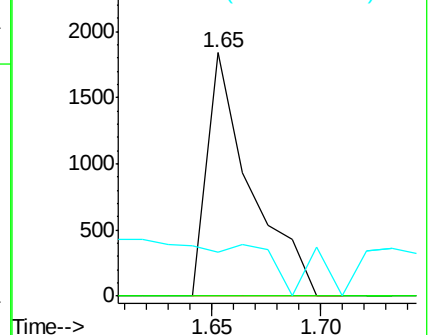
43 0.0 21.4 32.2#

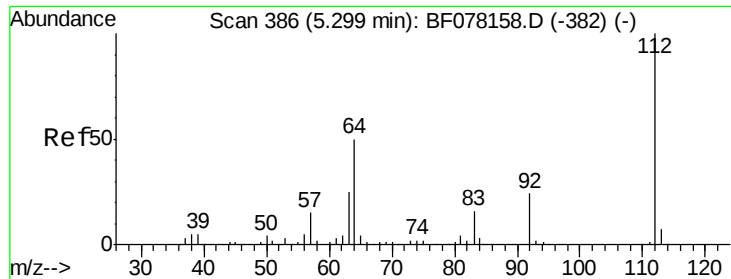


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 6.25 ng

RT: 5.20 min Scan# 377

Delta R.T. 0.02 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

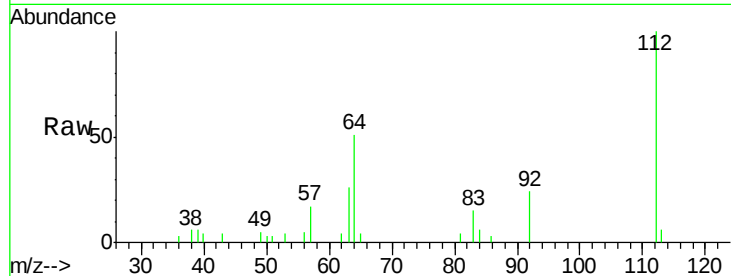
Tgt Ion: 112 Resp: 16005

Ion Ratio Lower Upper

112 100

64 50.5 39.9 59.9

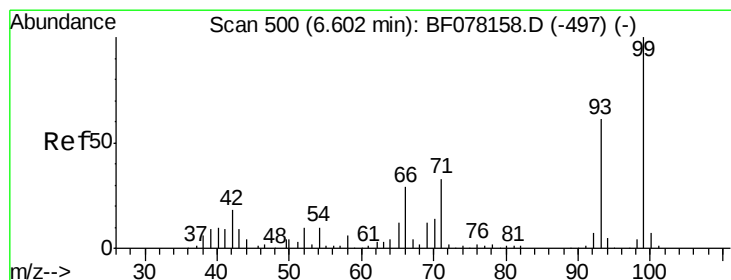
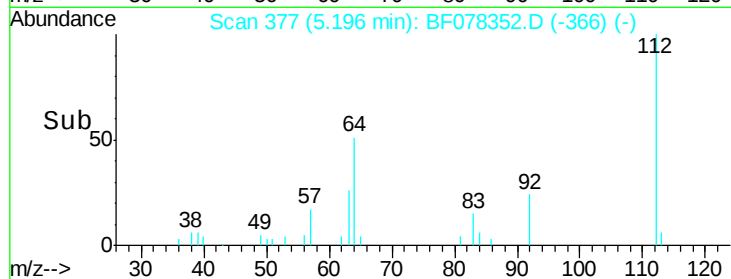
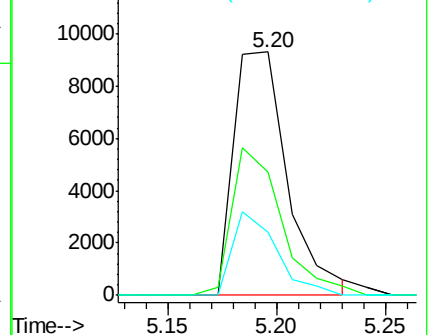
63 25.9 20.2 30.4



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: 7.31 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

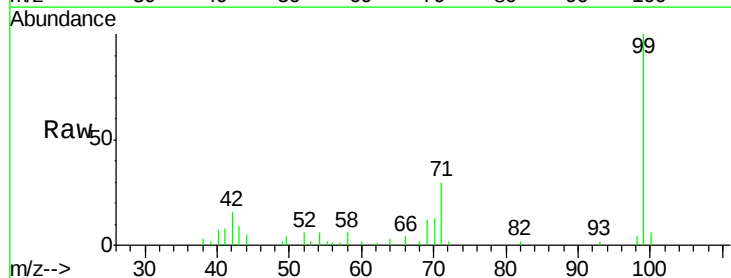
Tgt Ion: 99 Resp: 23478

Ion Ratio Lower Upper

99 100

42 16.1 14.8 22.2

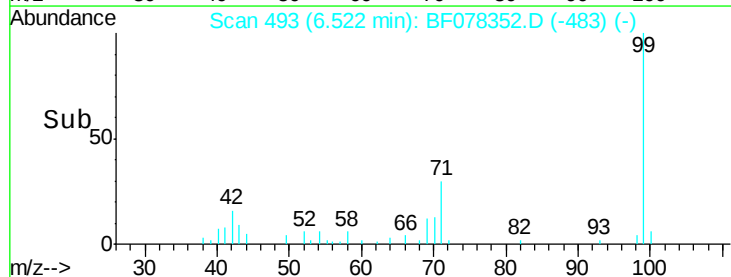
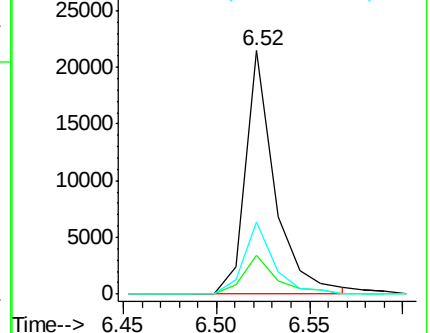
71 29.6 26.6 39.8

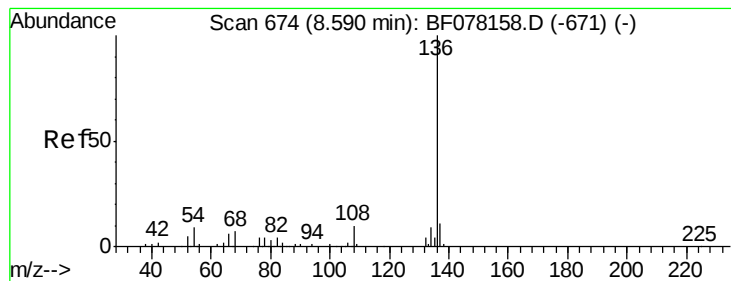


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.49 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

Tgt Ion: 136 Resp: 173133

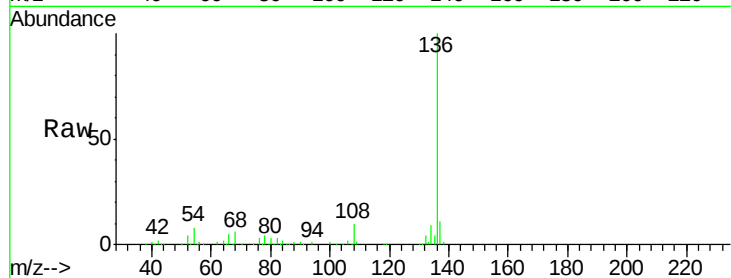
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.9 7.0 10.6

68 6.0 5.4 8.2

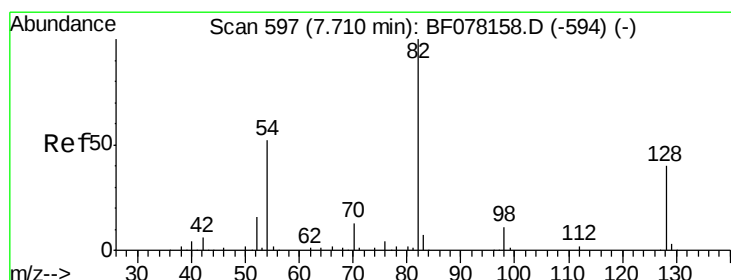
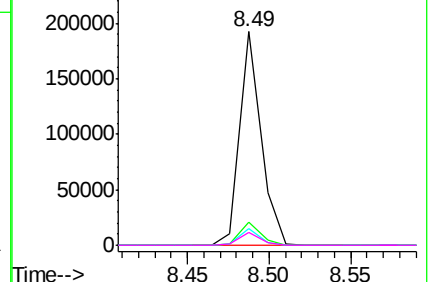
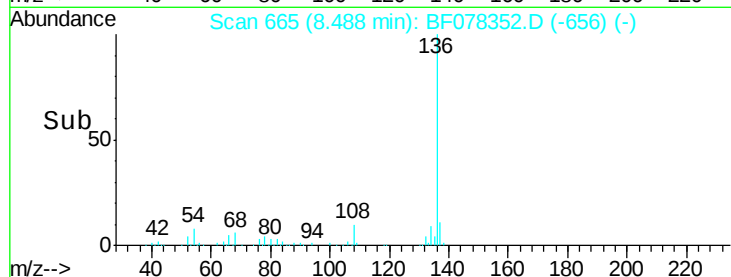


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.53 ng

RT: 7.61 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

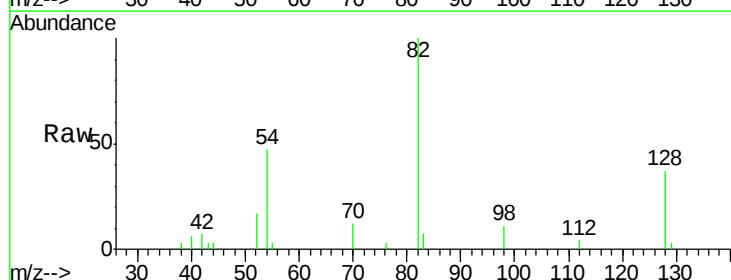
Tgt Ion: 82 Resp: 12946

Ion Ratio Lower Upper

82 100

128 37.3 31.8 47.8

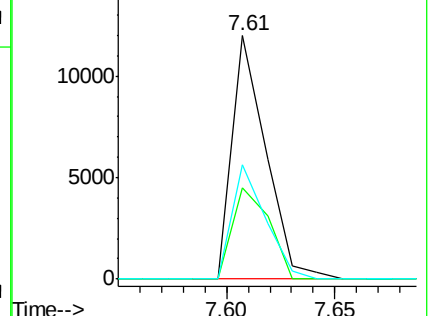
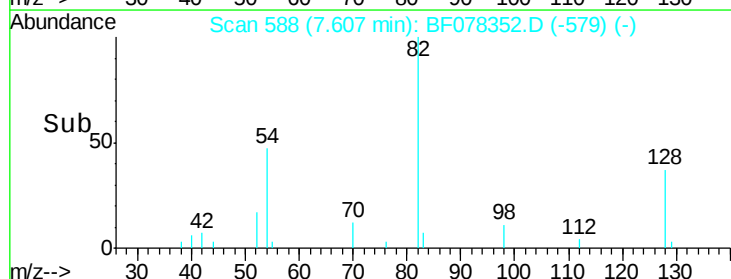
54 47.1 41.5 62.3

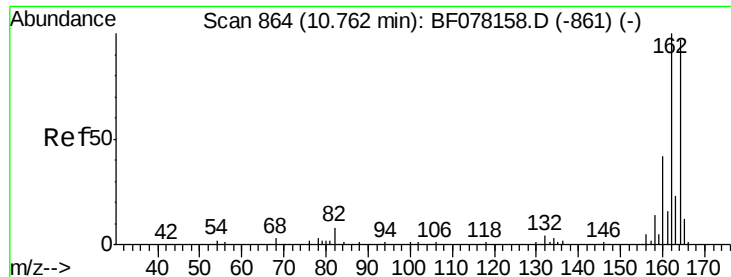


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 10.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

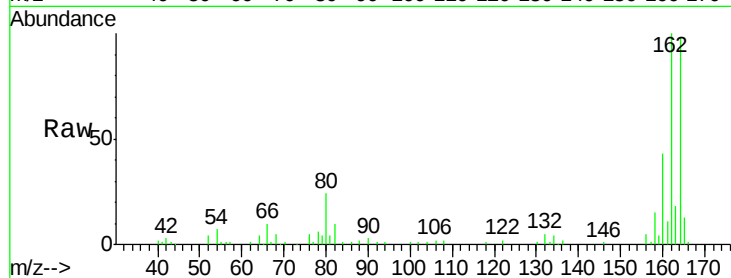
Tgt Ion:164 Resp: 82806

Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.2

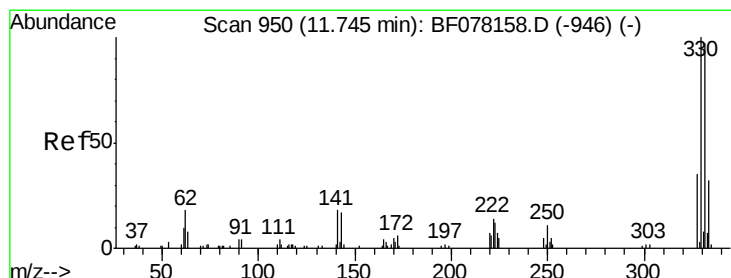
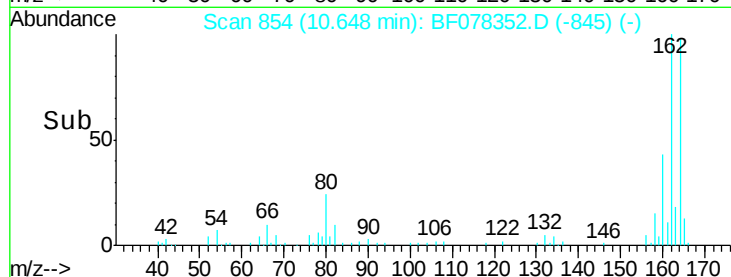
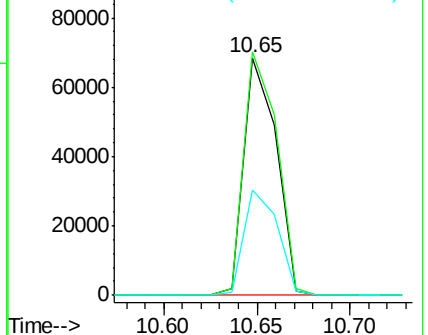
160 44.5 34.7 52.1



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: 8.47 ng

RT: 11.63 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

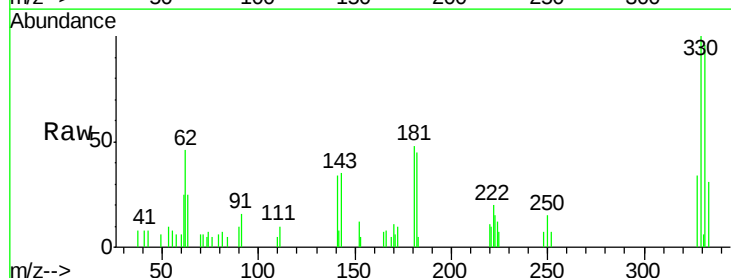
Tgt Ion:330 Resp: 5819

Ion Ratio Lower Upper

330 100

332 95.0 78.6 117.8

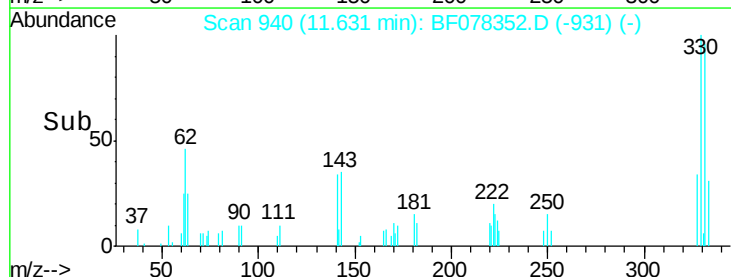
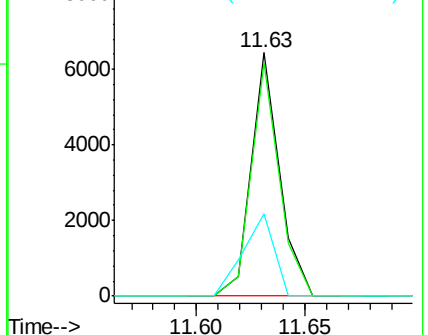
141 36.9 31.2 46.8



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

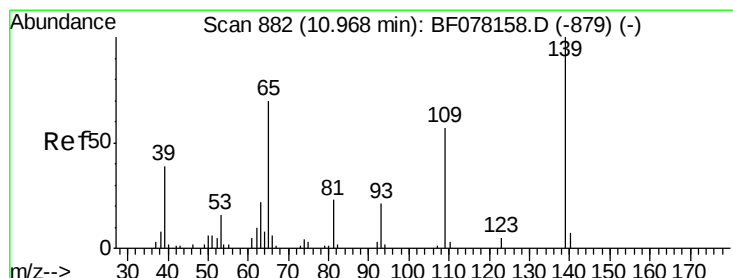
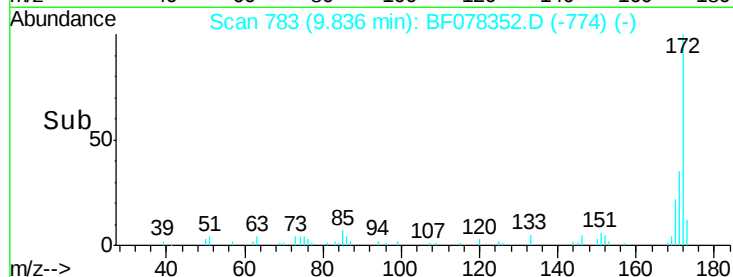
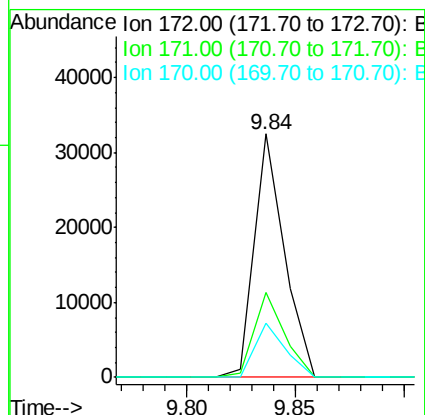
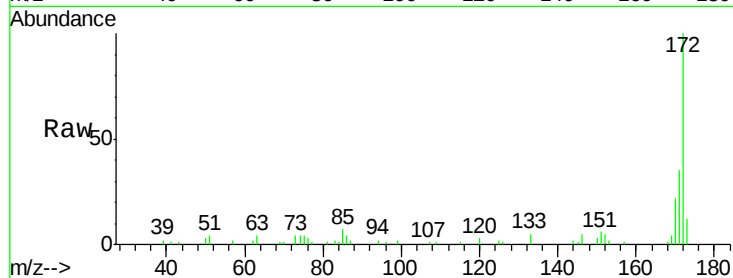




#44
 2-Fluorobiphenyl
 Concen: 5.36 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078352.D
 Acq: 8 Apr 2015 23:53

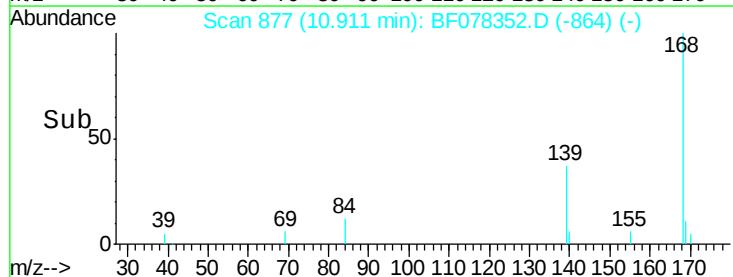
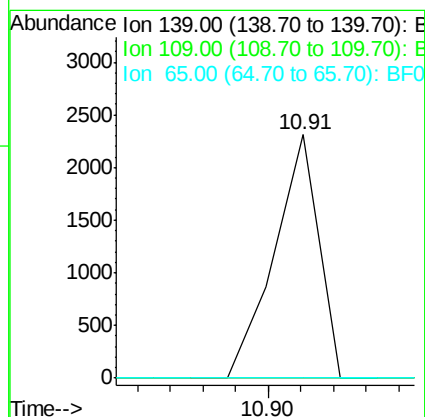
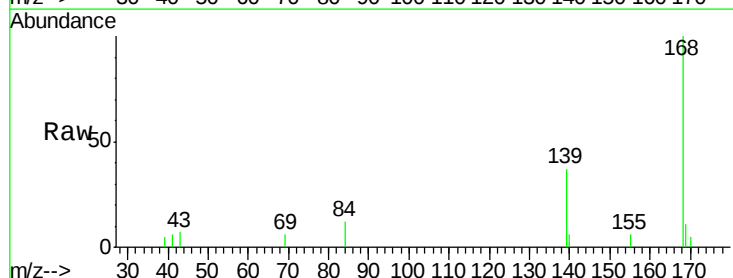
Instrument :
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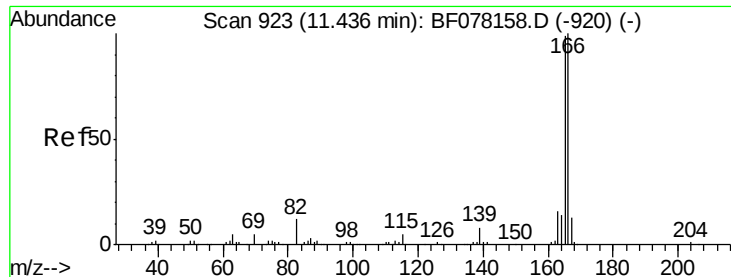
Tgt Ion:172 Resp: 31074
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 22.2 18.5 27.7



#55
 4-Nitrophenol
 Concen: 4.73 ng
 RT: 10.91 min Scan# 877
 Delta R.T. 0.05 min
 Lab File: BF078352.D
 Acq: 8 Apr 2015 23:53

Tgt Ion:139 Resp: 2181
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.7 76.7#
 65 0.0 49.9 89.9#

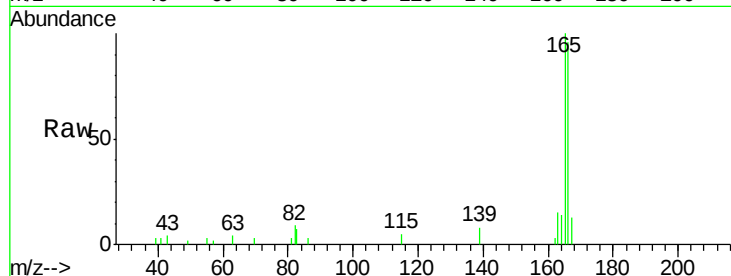




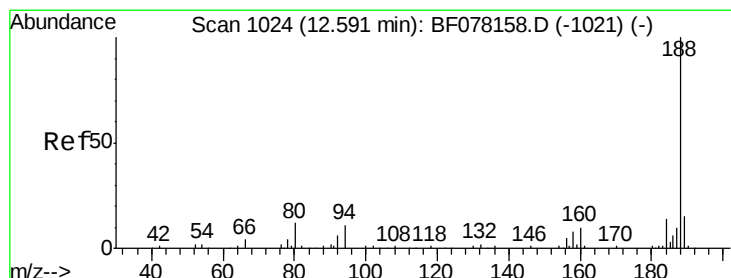
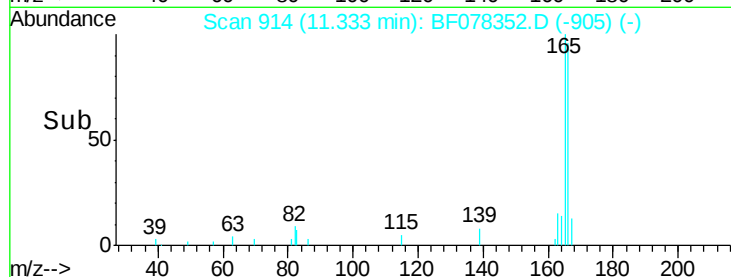
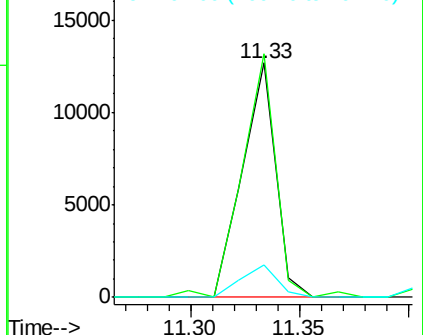
#57
 Fluorene
 Concen: 2.24 ng
 RT: 11.33 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF078352.D
 Acq: 8 Apr 2015 23:53

Instrument :
 BNA_F
 ClientSampleId :
 DBOX

Tgt Ion:166 Resp: 13421
 Ion Ratio Lower Upper
 166 100
 165 104.0 78.9 118.3
 167 13.6 10.7 16.1

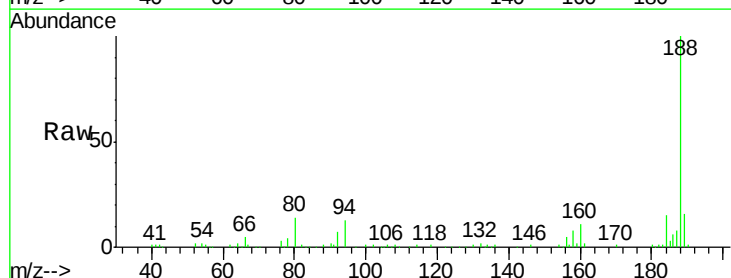


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

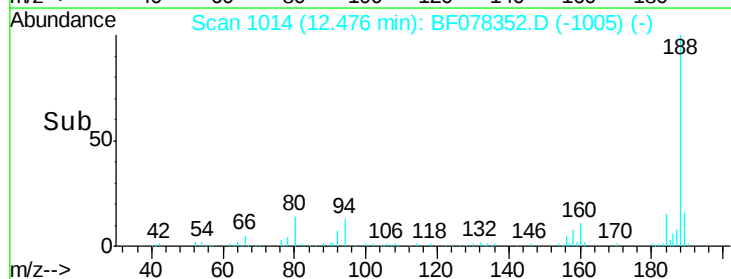
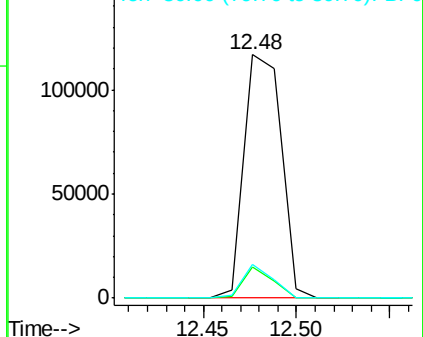


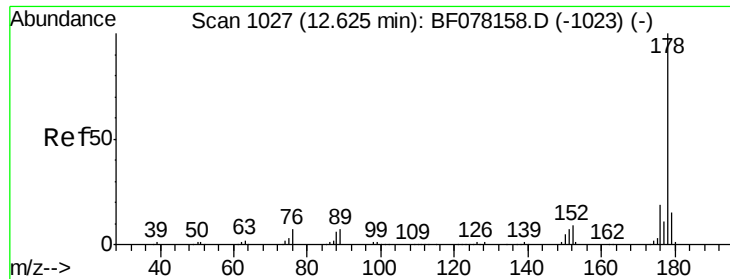
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BF078352.D
 Acq: 8 Apr 2015 23:53

Tgt Ion:188 Resp: 161651
 Ion Ratio Lower Upper
 188 100
 94 12.6 9.0 13.4
 80 14.1 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: 36.55 ng

RT: 12.51 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

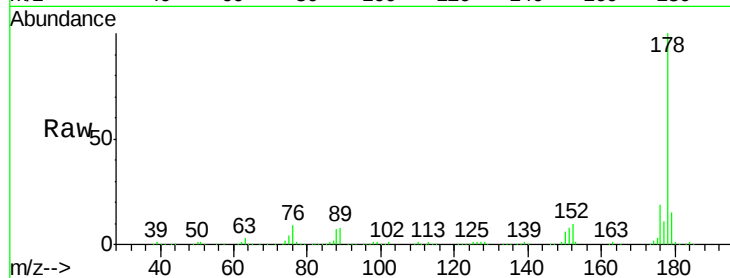
Tgt Ion:178 Resp: 341750

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

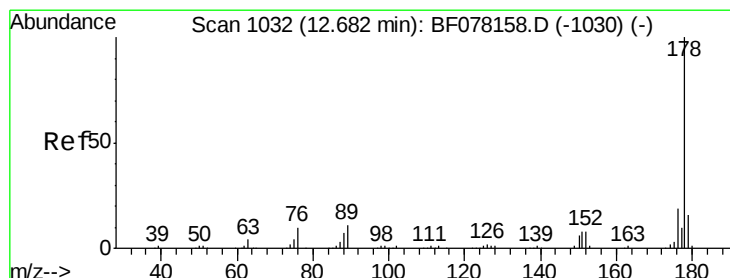
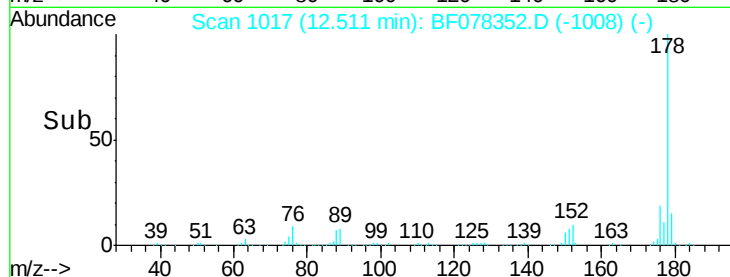
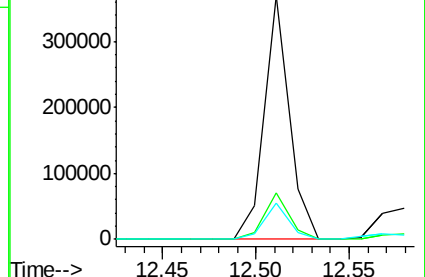
179 15.1 12.2 18.2



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: 6.63 ng

RT: 12.58 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

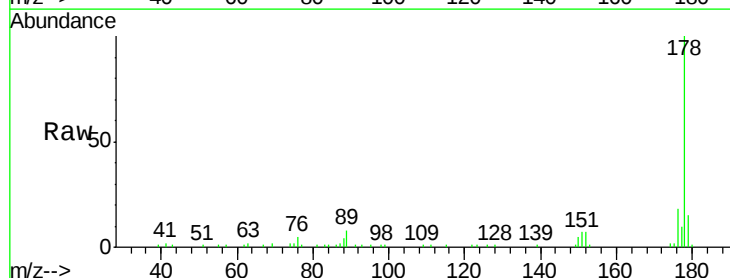
Tgt Ion:178 Resp: 61055

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

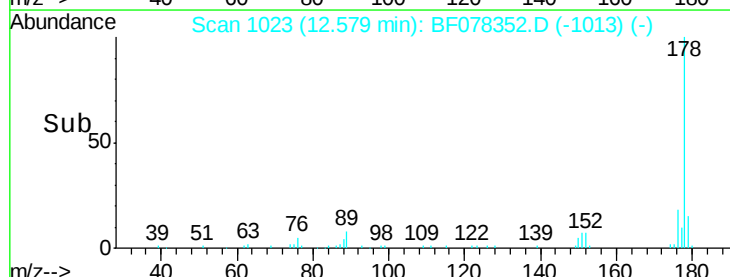
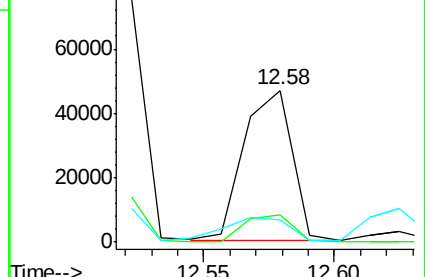
179 14.8 12.4 18.6

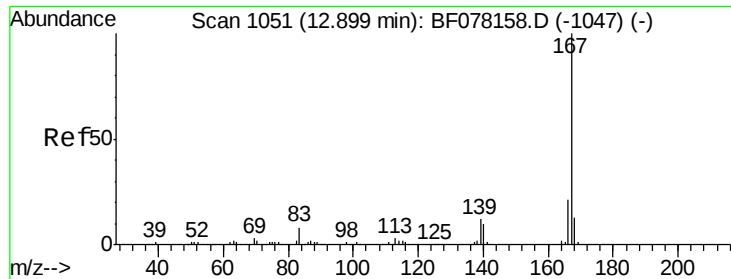


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.59 ng

RT: 12.79 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

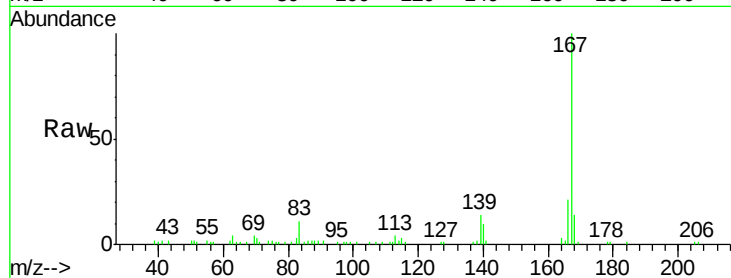
Tgt Ion:167 Resp: 48284

Ion Ratio Lower Upper

167 100

166 20.9 16.8 25.2

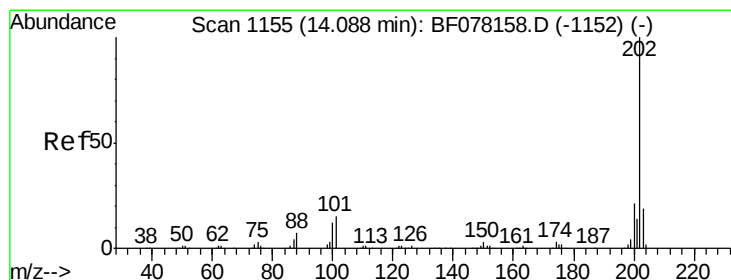
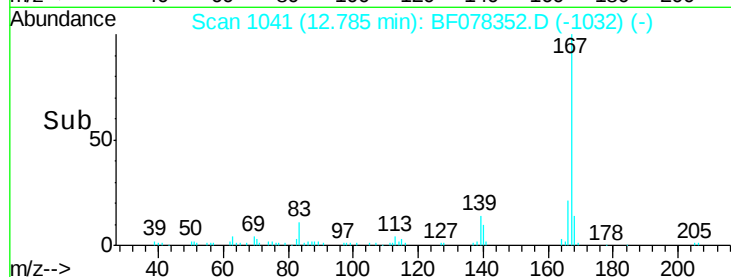
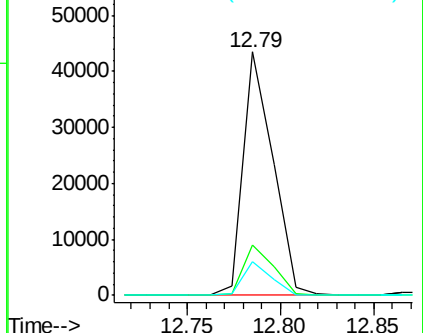
139 13.9 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 91.02 ng

RT: 13.99 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

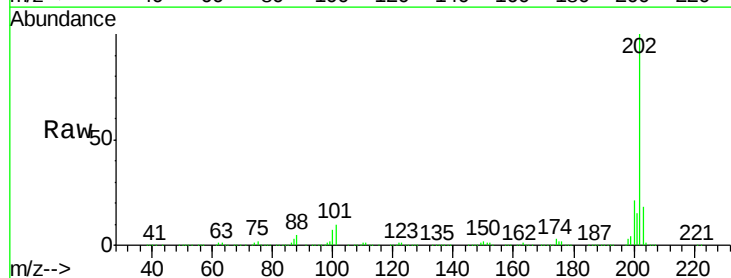
Tgt Ion:202 Resp: 897604

Ion Ratio Lower Upper

202 100

101 9.8 0.0 35.2

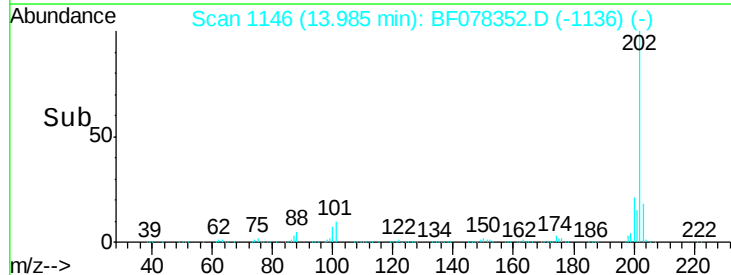
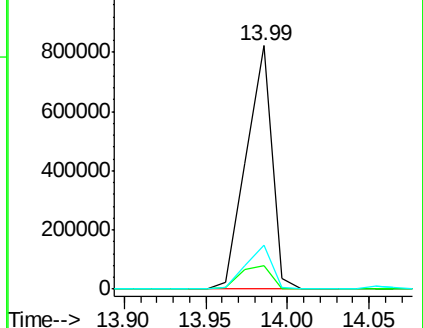
203 17.9 0.0 38.5

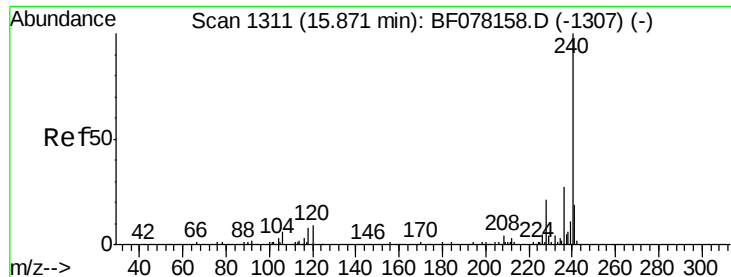


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

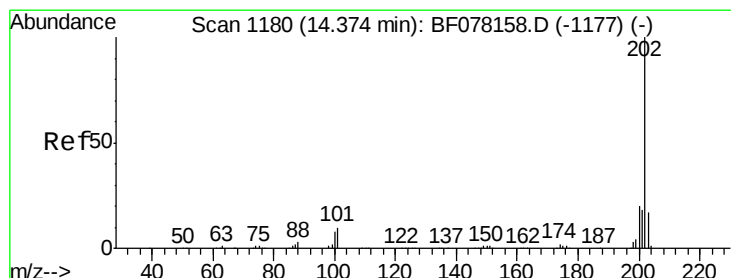
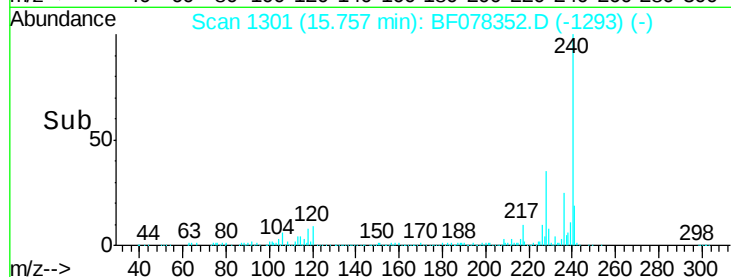
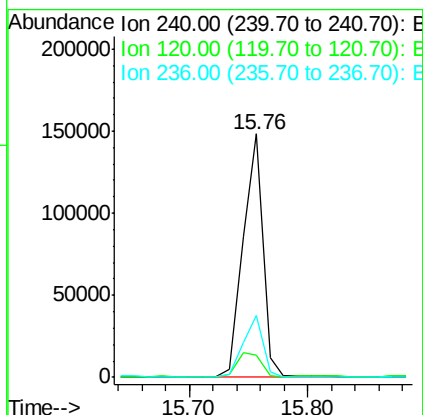
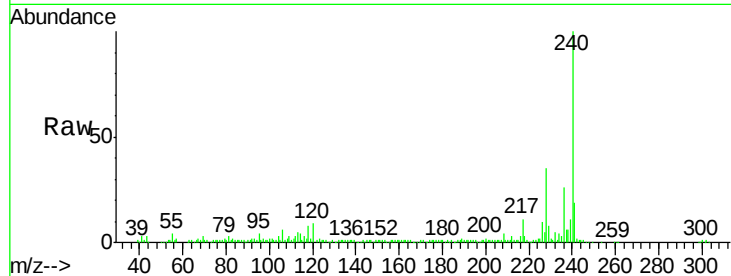




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.76 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF078352.D
Acq: 8 Apr 2015 23:53

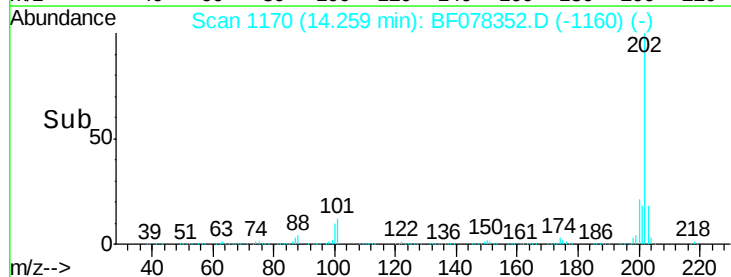
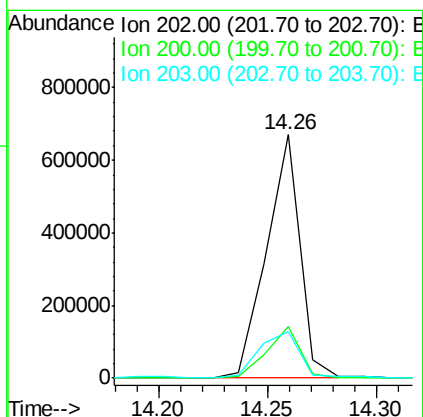
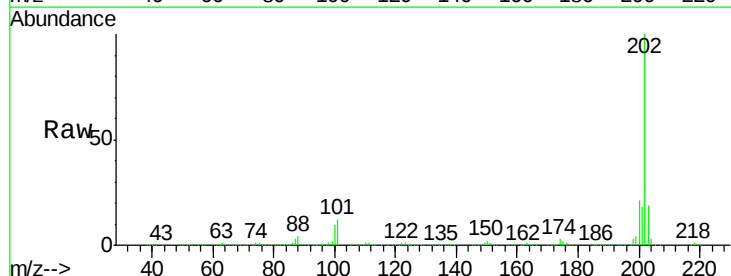
Instrument :
BNA_F
ClientSampleId :
DBOX

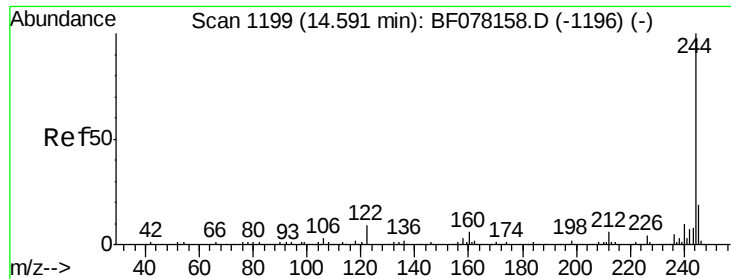
Tgt Ion:240 Resp: 176105
Ion Ratio Lower Upper
240 100
120 9.2 7.1 10.7
236 25.6 21.4 32.2



#77
Pyrene
Concen: 65.24 ng
RT: 14.26 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF078352.D
Acq: 8 Apr 2015 23:53

Tgt Ion:202 Resp: 721225
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 18.9 13.8 20.6





#78

Terphenyl-d14

Concen: 4.55 ng

RT: 14.48 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

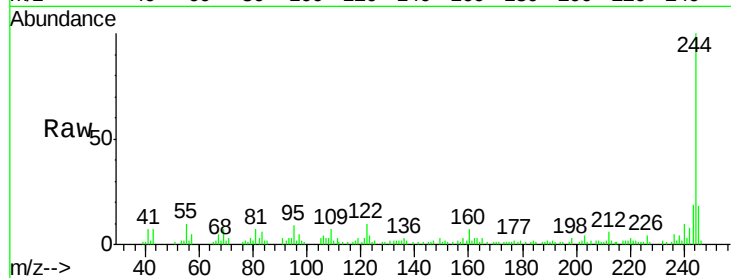
Tgt Ion:244 Resp: 35478

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

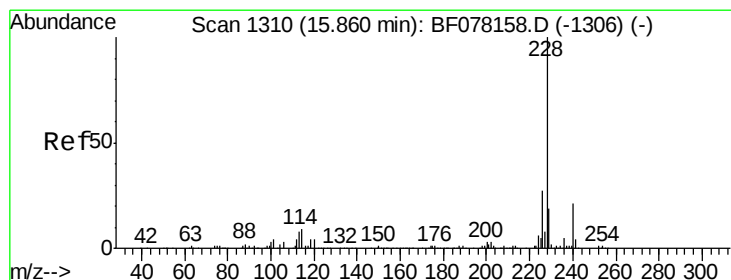
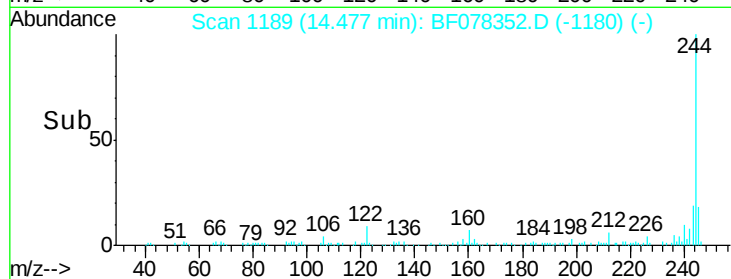
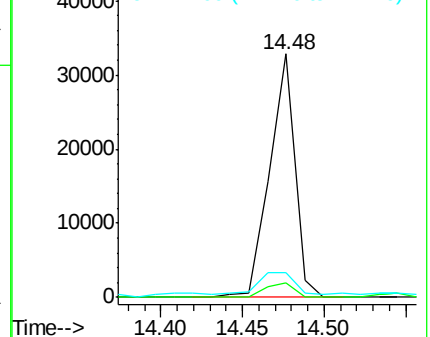
122 10.2 7.1 10.7



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: 37.07 ng

RT: 15.75 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

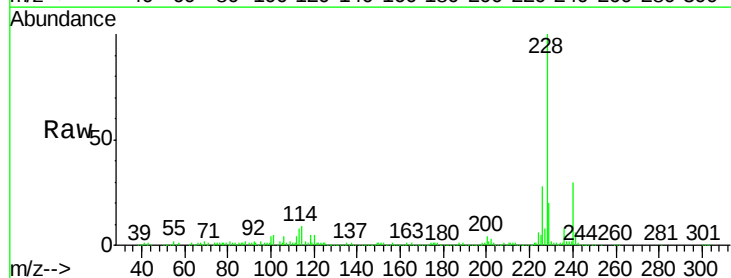
Tgt Ion:228 Resp: 388403

Ion Ratio Lower Upper

228 100

226 28.0 21.3 31.9

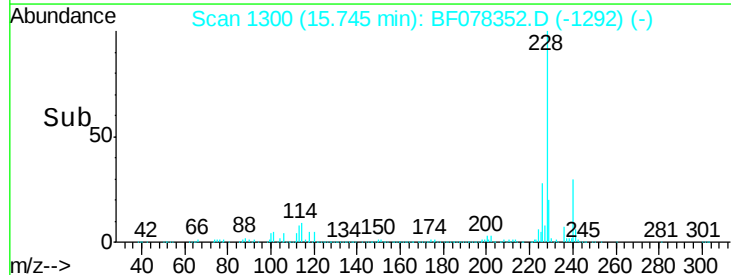
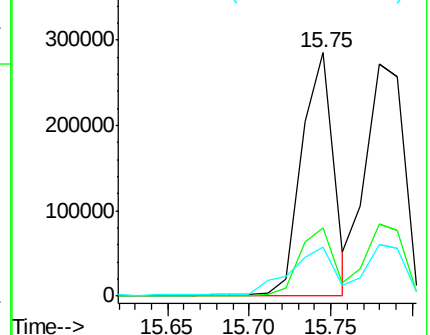
229 20.3 15.4 23.2

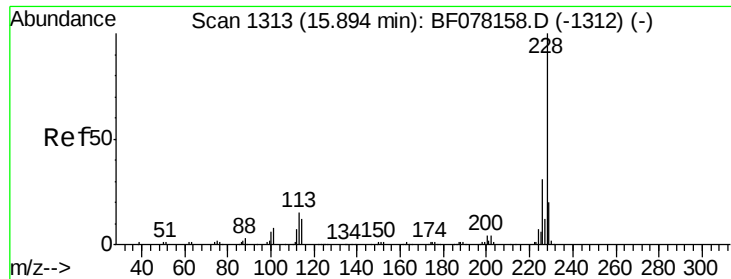


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

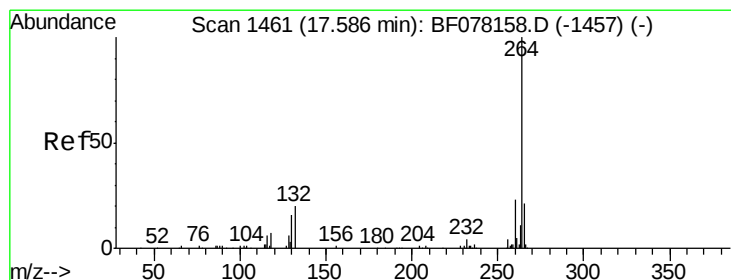
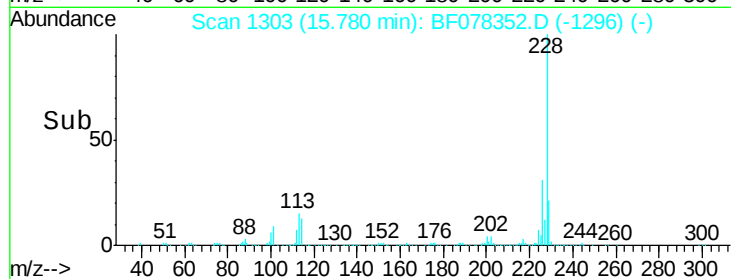
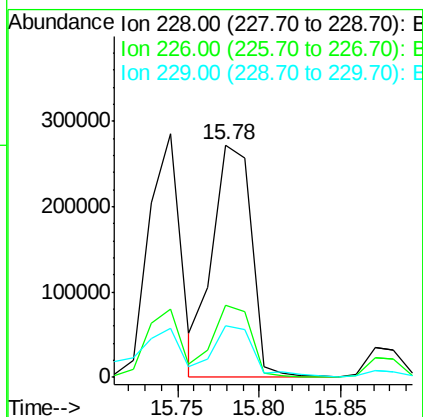
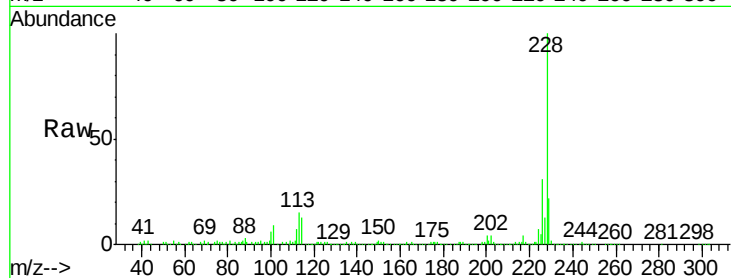




#82
Chrysene
Concen: 45.07 ng
RT: 15.78 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF078352.D
Acq: 8 Apr 2015 23:53

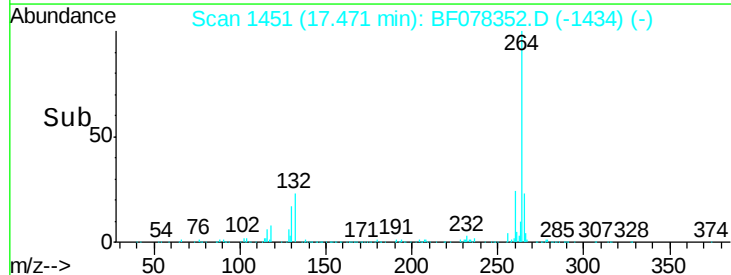
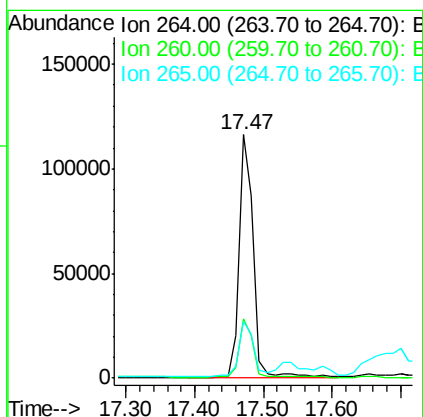
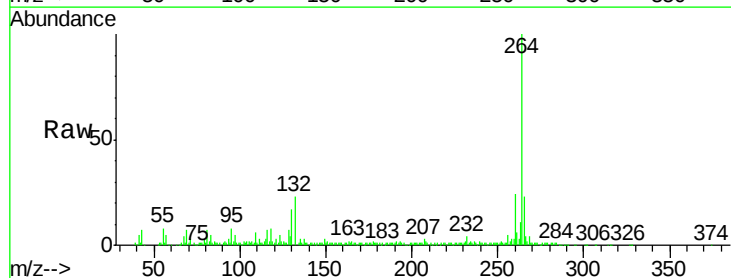
Instrument :
BNA_F
ClientSampleId :
DBOX

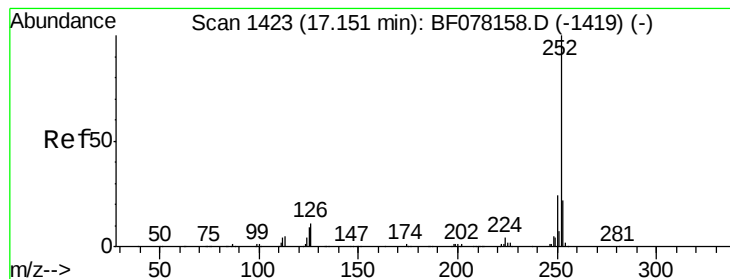
Tgt Ion: 228 Resp: 443653
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.4
229 22.2 15.8 23.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.47 min Scan# 1451
Delta R.T. -0.10 min
Lab File: BF078352.D
Acq: 8 Apr 2015 23:53

Tgt Ion: 264 Resp: 170491
Ion Ratio Lower Upper
264 100
260 24.4 18.6 27.8
265 23.4 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 65.22 ng

RT: 17.04 min Scan# 1413

Delta R.T. -0.07 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

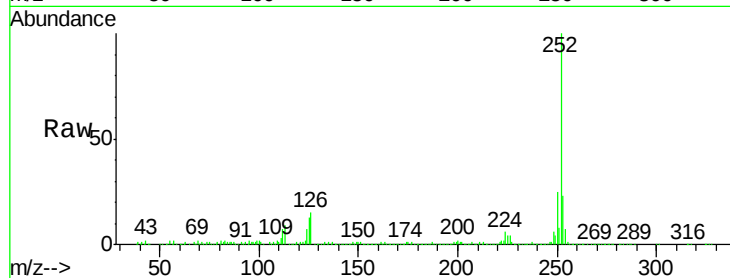
Tgt Ion:252 Resp: 687212

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

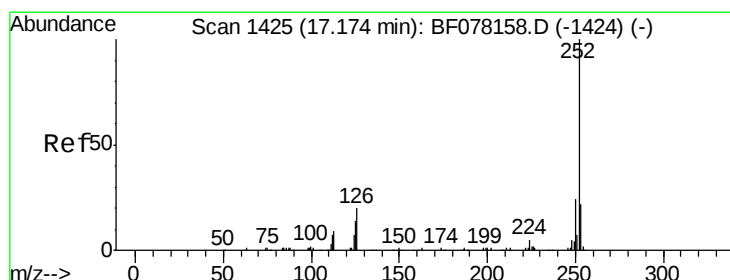
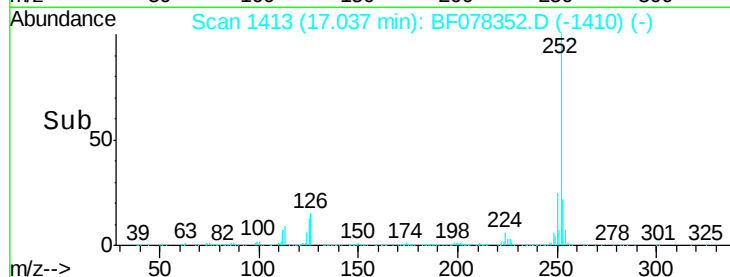
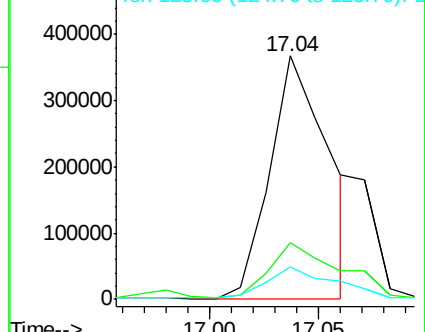
125 13.5 7.0 10.4#



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: 87.86 ng

RT: 17.04 min Scan# 1413

Delta R.T. -0.10 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

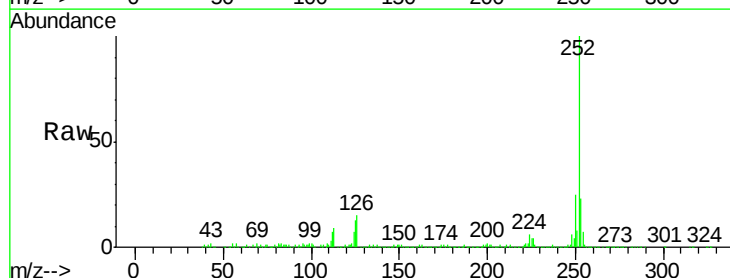
Tgt Ion:252 Resp: 822664

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

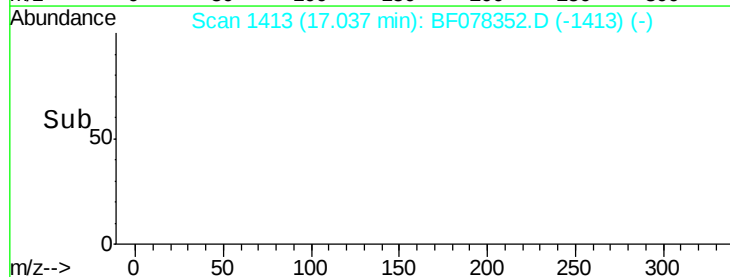
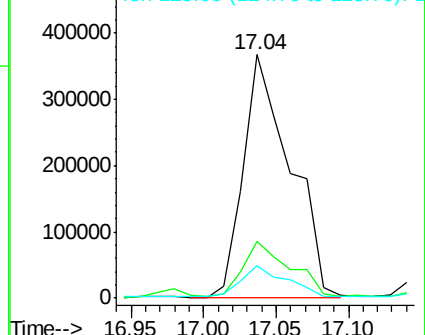
125 13.5 11.6 17.4

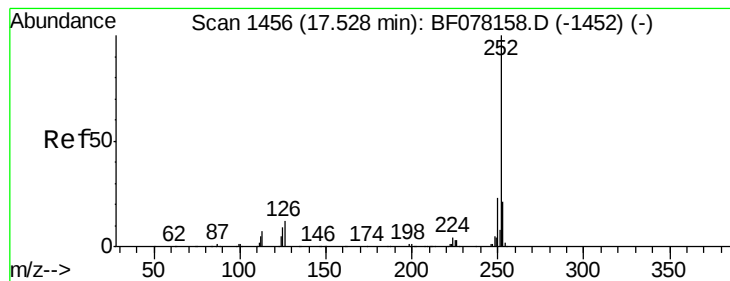


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.07 ng

RT: 17.41 min Scan# 1446

Delta R.T. -0.09 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

Instrument :

BNA_F

ClientSampleId :

DBOX

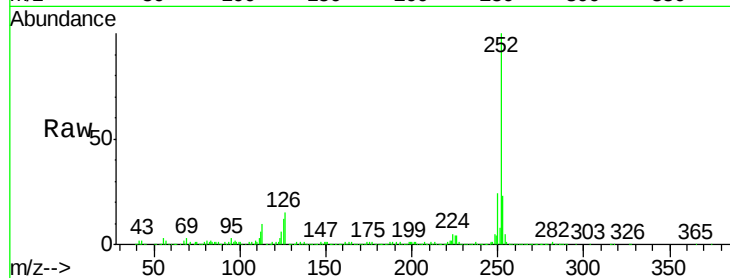
Tgt Ion:252 Resp: 368448

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

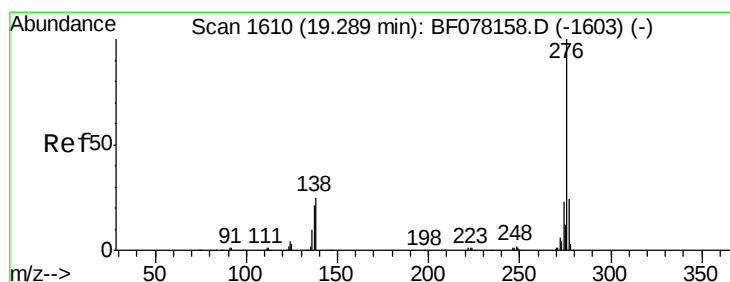
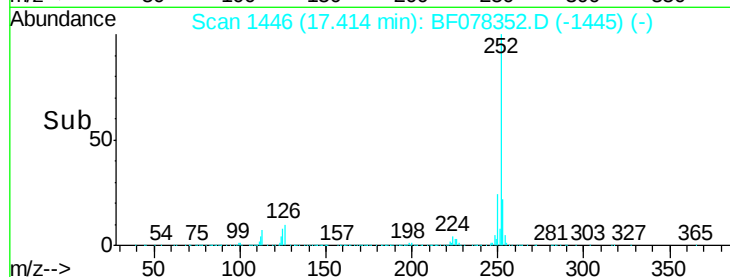
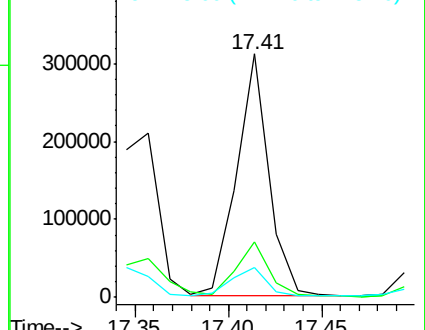
125 12.4 7.4 11.0#



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: 32.47 ng

RT: 19.12 min Scan# 1595

Delta R.T. -0.14 min

Lab File: BF078352.D

Acq: 8 Apr 2015 23:53

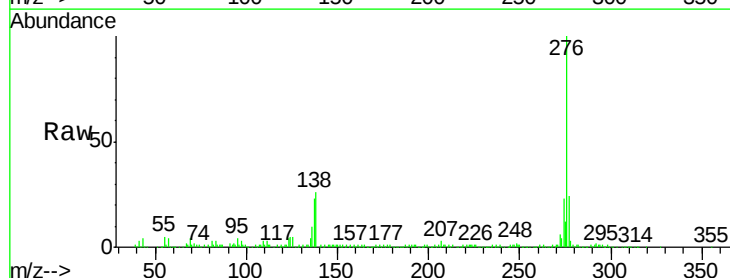
Tgt Ion:276 Resp: 299694

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 26.2 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

