

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040815\
 Data File : BF078344.D
 Acq On : 8 Apr 2015 20:05
 Operator : TP/IZ
 Sample : G1793-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4S

Quant Time: Apr 09 01:08:01 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	43511	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	174785	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	83796	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	164035	20.00	ng	0.00
75) Chrysene-d12	15.78	240	177011	20.00	ng	0.01
86) Perylene-d12	17.62	264	165924	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	178295	67.56	ng	0.02
7) Phenol-d6	6.51	99	266585	80.61	ng	0.00
23) Nitrobenzene-d5	7.61	82	150828	52.31	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	68449	98.49	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	330635	56.40	ng	0.00
78) Terphenyl-d14	14.48	244	362015	46.21	ng	0.00

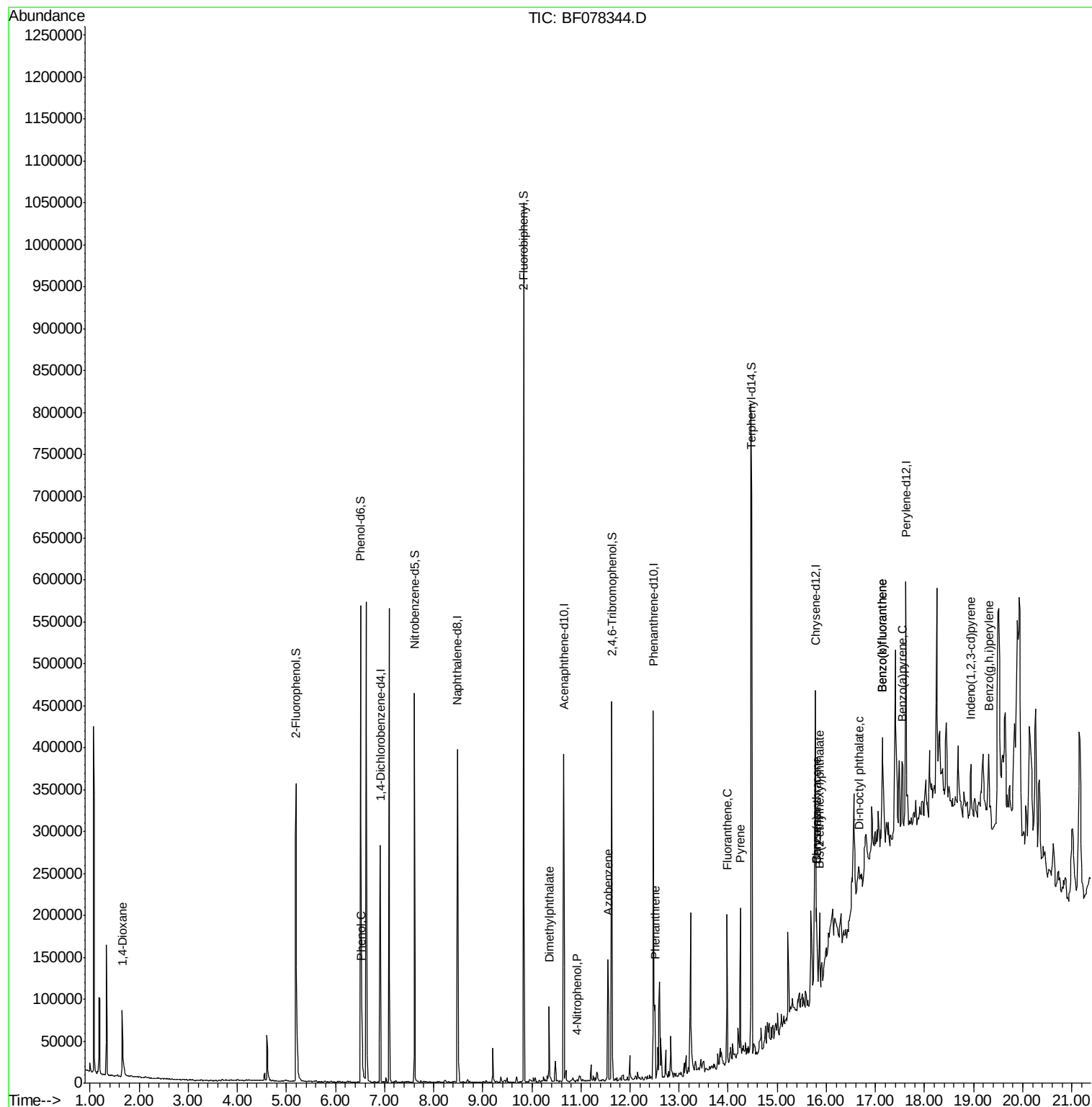
Target Compounds						Qvalue
2) 1,4-Dioxane	1.65	88	3088	2.59	ng	# 23
10) Phenol	6.53	94	8517	2.15	ng	# 77
49) Dimethylphthalate	10.35	163	35136	5.58	ng	# 99
55) 4-Nitrophenol	10.91	139	217	2.96	ng	# 18
62) Azobenzene	11.55	77	31825	5.74	ng	# 1
70) Phenanthrene	12.51	178	44304	4.67	ng	98
74) Fluoranthene	13.97	202	73140	7.31	ng	93
77) Pyrene	14.25	202	70502	6.34	ng	96
80) Benzo(a)anthracene	15.80	228	48141	4.57	ng	93
82) Chrysene	15.80	228	52496	5.31	ng	98
83) Bis(2-ethylhexyl)phthalate	15.86	149	30292	4.56	ng	100
84) Di-n-octyl phthalate	16.67	149	31096	2.85	ng	# 100
85) Indeno(1,2,3-cd)pyrene	18.95	276	36563	3.26	ng	# 80
87) Benzo(b)fluoranthene	17.14	252	106272	10.36	ng	# 93
88) Benzo(k)fluoranthene	17.14	252	107811	11.83	ng	98
89) Benzo(a)pyrene	17.55	252	51082	5.71	ng	# 90
91) Benzo(g,h,i)perylene	19.31	276	36746	4.09	ng	92

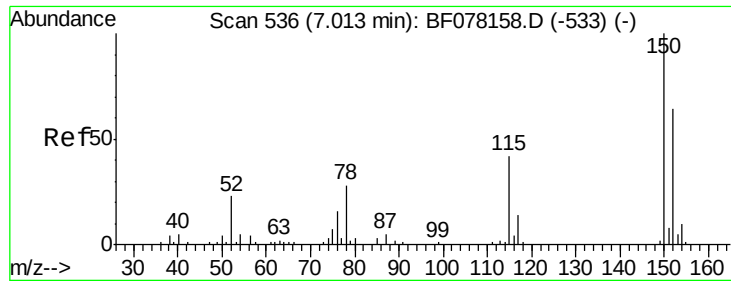
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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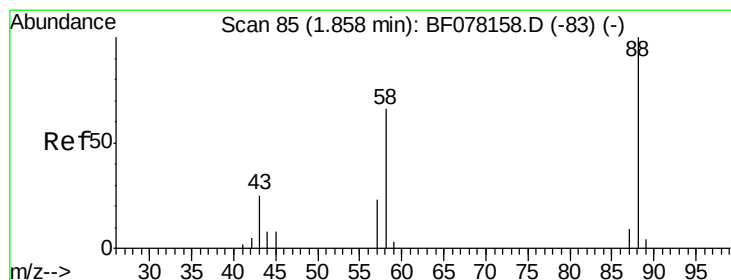
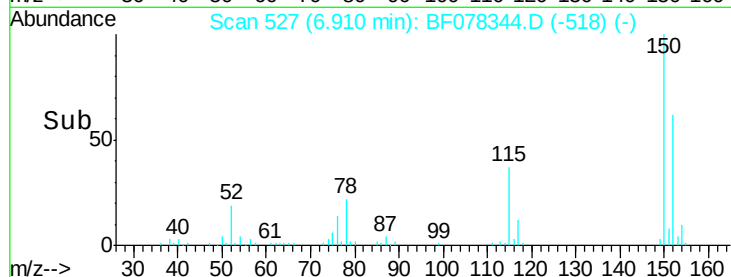
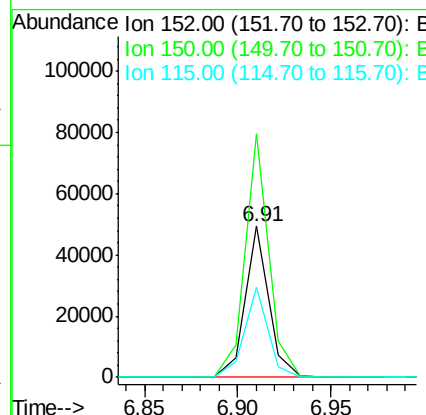
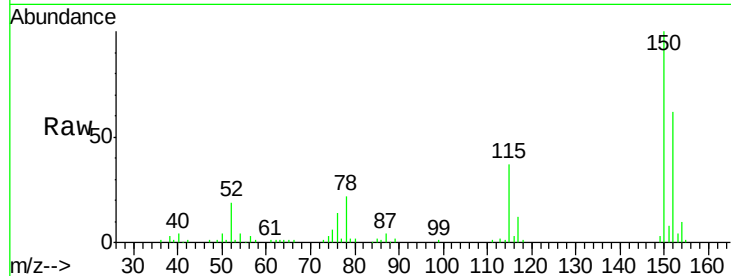




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.91 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BF078344.D
 Acq: 8 Apr 2015 20:05

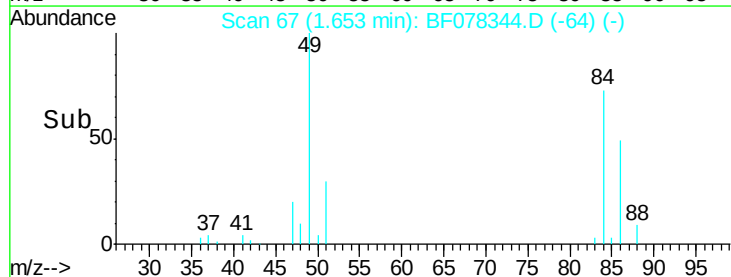
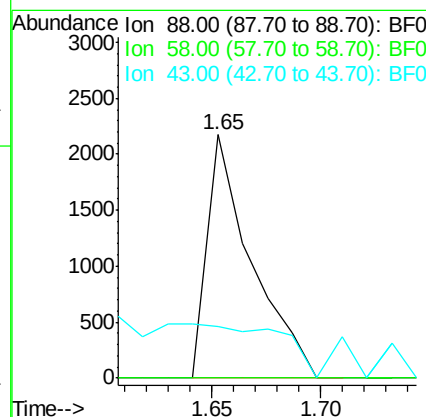
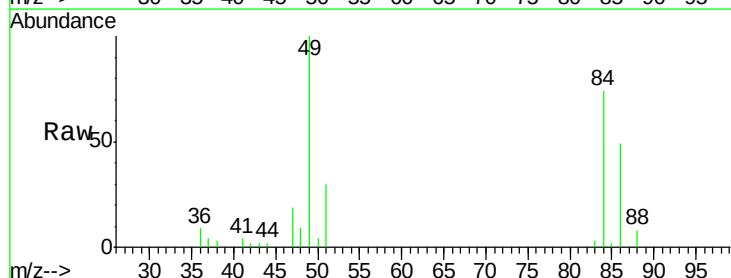
Instrument :
 BNA_F
 ClientSampled :
 SB-4S

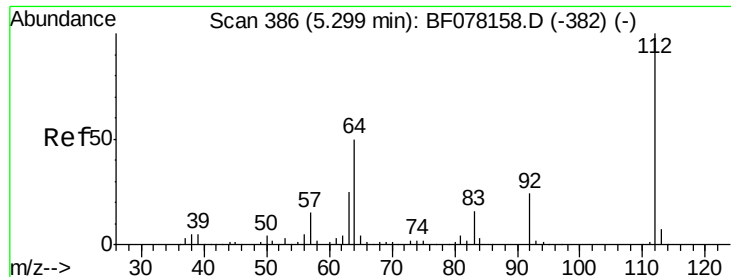
Tgt Ion:152 Resp: 43511
 Ion Ratio Lower Upper
 152 100
 150 161.2 125.9 188.9
 115 59.8 52.7 79.1



#2
 1,4-Dioxane
 Concen: 2.59 ng
 RT: 1.65 min Scan# 67
 Delta R.T. -0.07 min
 Lab File: BF078344.D
 Acq: 8 Apr 2015 20:05

Tgt Ion: 88 Resp: 3088
 Ion Ratio Lower Upper
 88 100
 58 0.0 56.9 85.3#
 43 0.0 21.4 32.2#





#5

2-Fluorophenol

Concen: 67.56 ng

RT: 5.20 min Scan# 377

Delta R.T. 0.02 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-4S

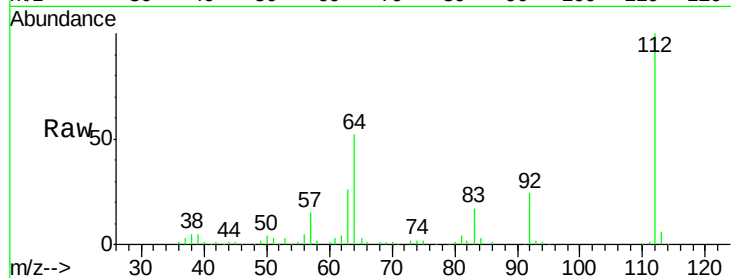
Tgt Ion: 112 Resp: 178295

Ion Ratio Lower Upper

112 100

64 51.8 39.9 59.9

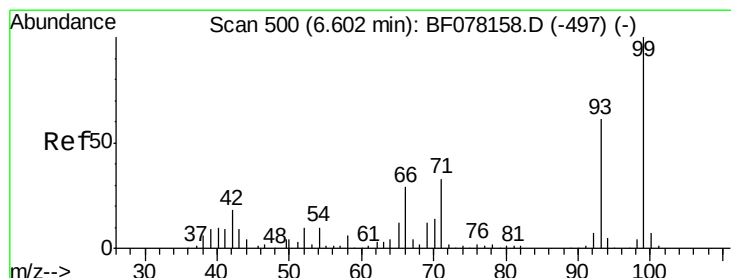
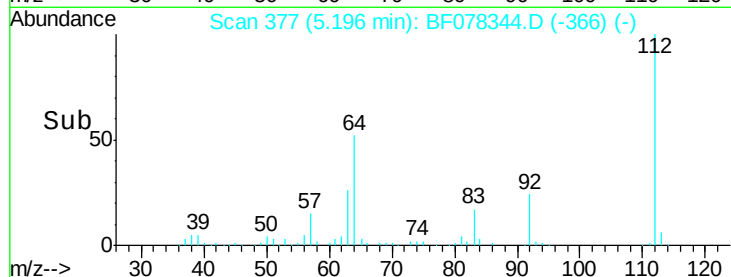
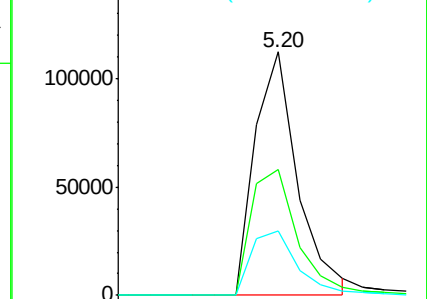
63 26.2 20.2 30.4



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: 80.61 ng

RT: 6.51 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

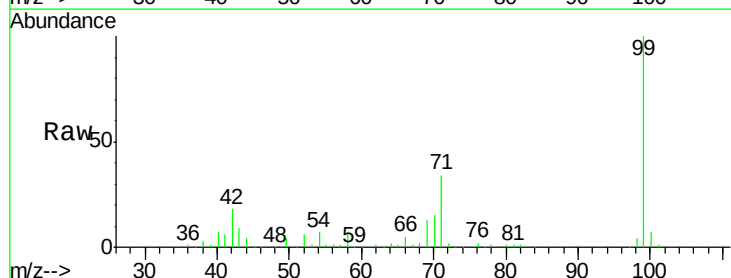
Tgt Ion: 99 Resp: 266585

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

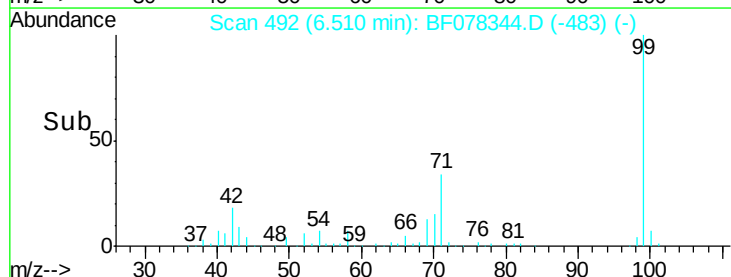
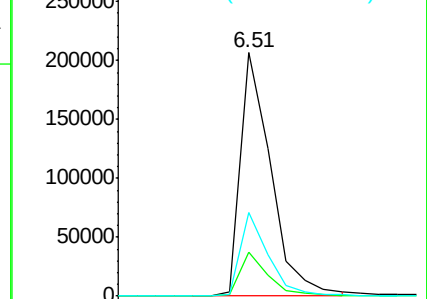
71 34.3 26.6 39.8

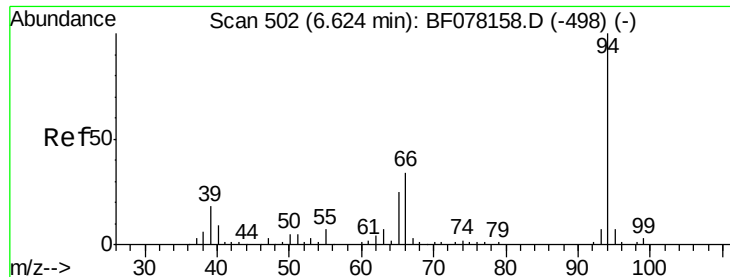


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.15 ng

RT: 6.53 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-4S

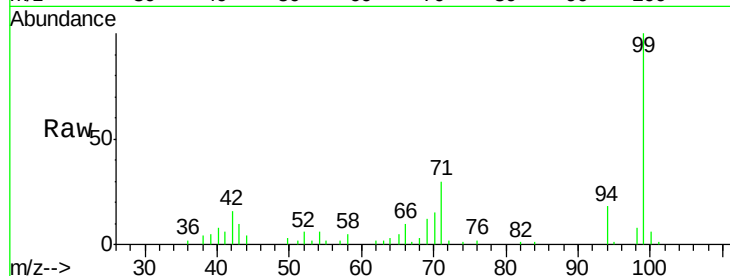
Tgt Ion: 94 Resp: 8517

Ion Ratio Lower Upper

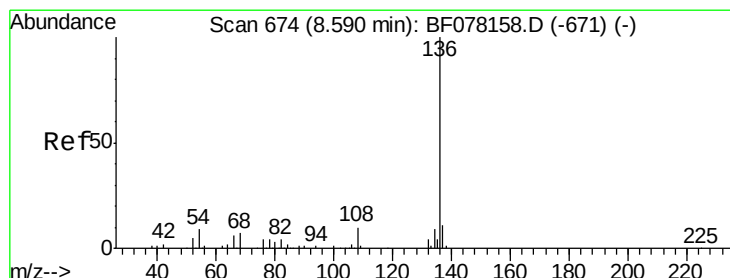
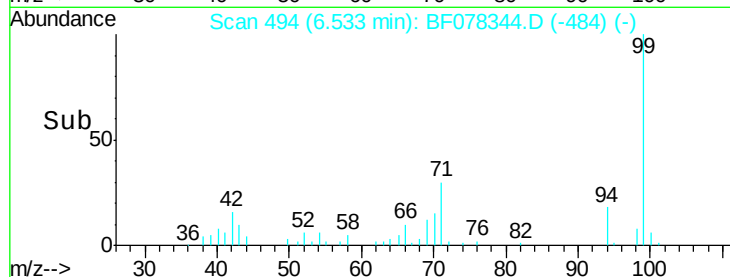
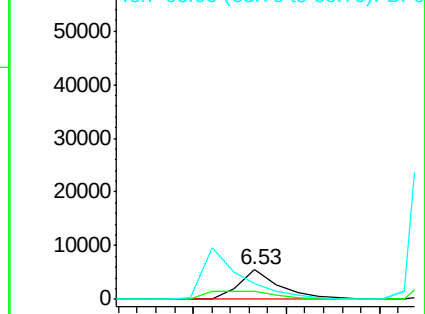
94 100

65 27.0 4.9 44.9

66 54.8 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: 8.49 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Tgt Ion: 136 Resp: 174785

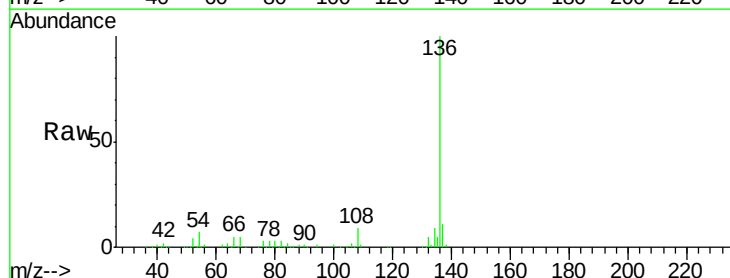
Ion Ratio Lower Upper

136 100

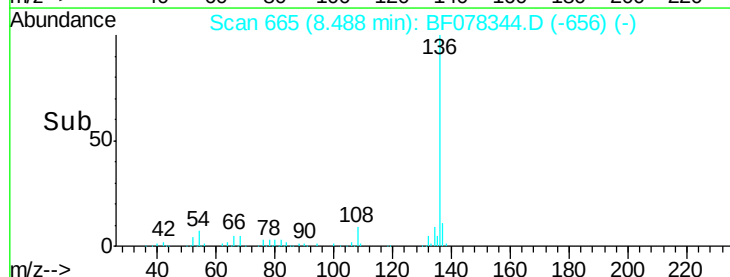
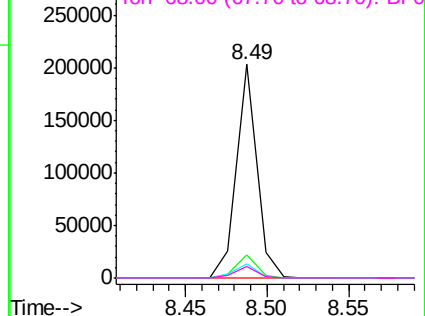
137 10.9 9.0 13.4

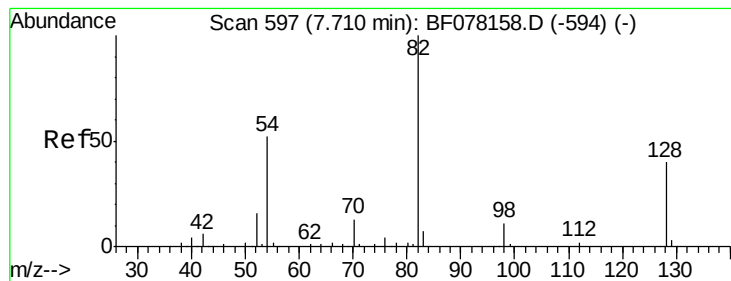
54 6.7 7.0 10.6#

68 5.5 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: 52.31 ng

RT: 7.61 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampled :

SB-4S

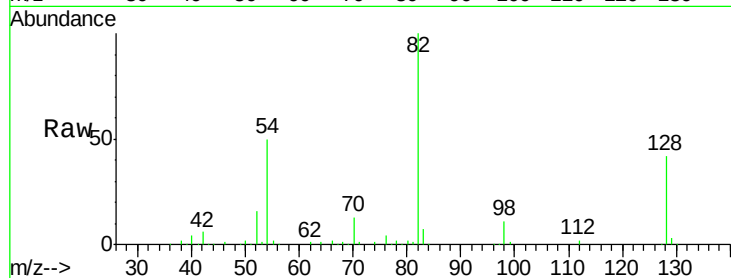
Tgt Ion: 82 Resp: 150828

Ion Ratio Lower Upper

82 100

128 41.8 31.8 47.8

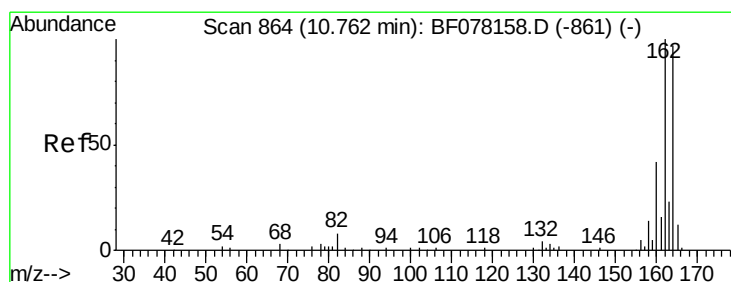
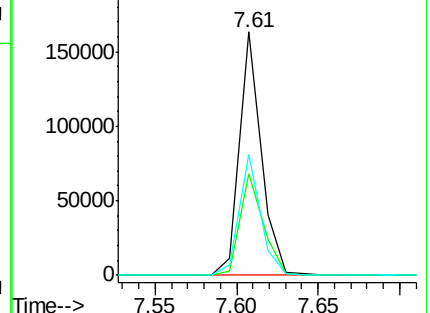
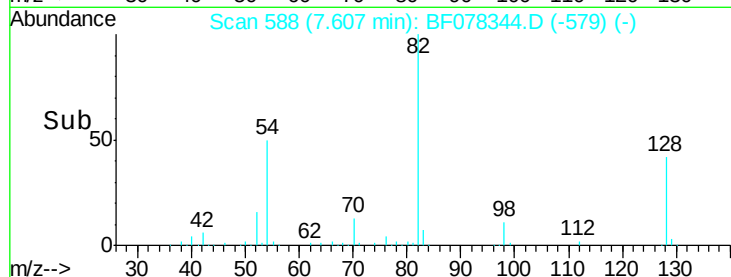
54 49.5 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078158.D (-594) (-)

Ion 128.00 (127.70 to 128.70): BF078158.D (-594) (-)

Ion 54.00 (53.70 to 54.70): BF078158.D (-594) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

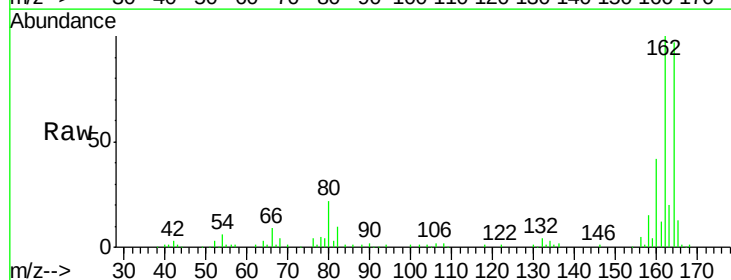
Tgt Ion: 164 Resp: 83796

Ion Ratio Lower Upper

164 100

162 102.9 82.2 123.2

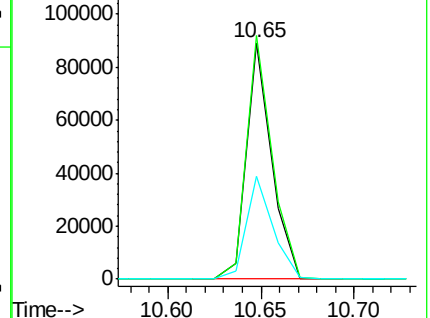
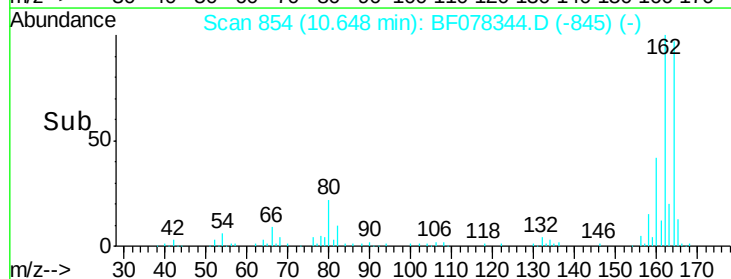
160 43.4 34.7 52.1

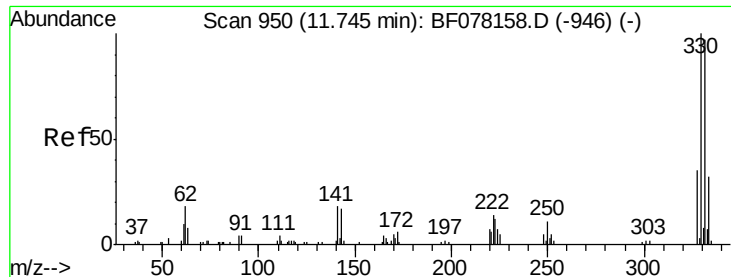


Abundance Ion 164.00 (163.70 to 164.70): BF078158.D (-861) (-)

Ion 162.00 (161.70 to 162.70): BF078158.D (-861) (-)

Ion 160.00 (159.70 to 160.70): BF078158.D (-861) (-)

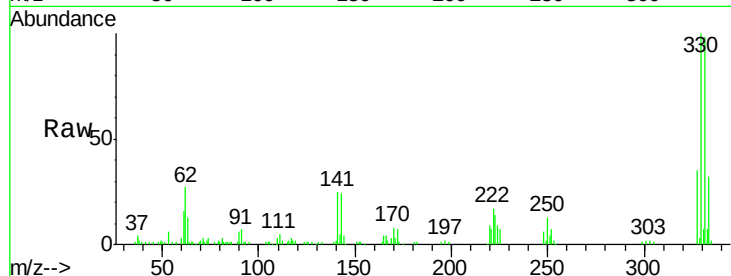




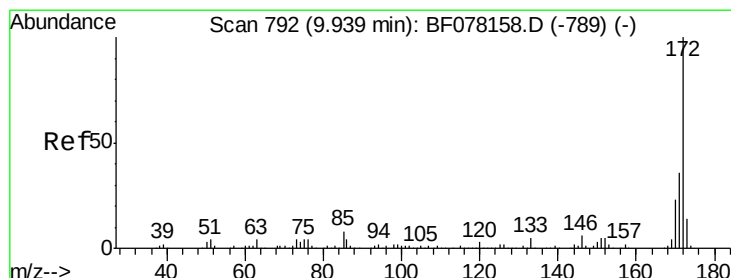
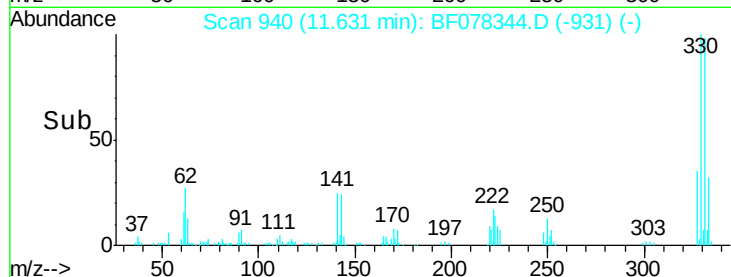
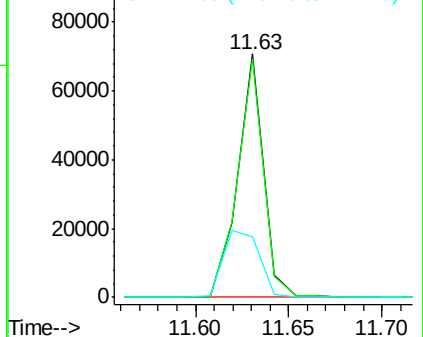
#41
 2,4,6-Tribromophenol
 Concen: 98.49 ng
 RT: 11.63 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF078344.D
 Acq: 8 Apr 2015 20:05

Instrument :
 BNA_F
 ClientSampled :
 SB-4S

Tgt Ion:330 Resp: 68449
 Ion Ratio Lower Upper
 330 100
 332 98.8 78.6 117.8
 141 38.6 31.2 46.8

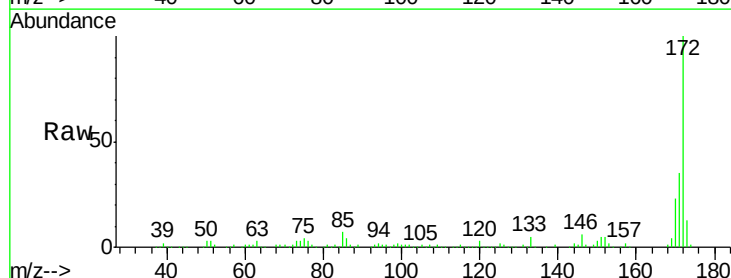


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

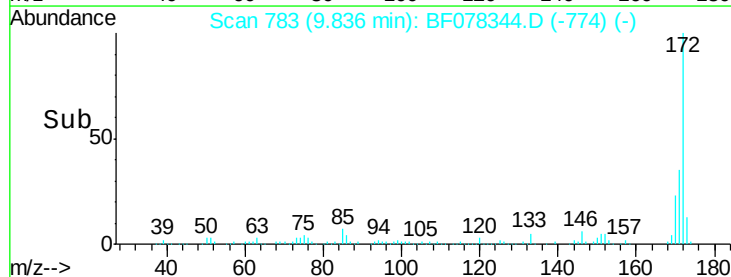
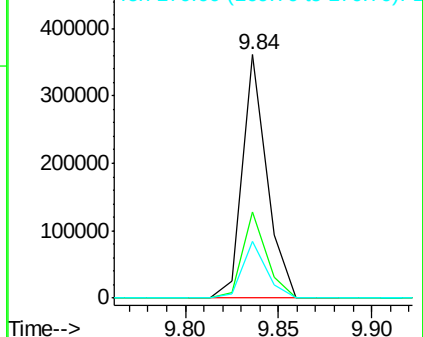


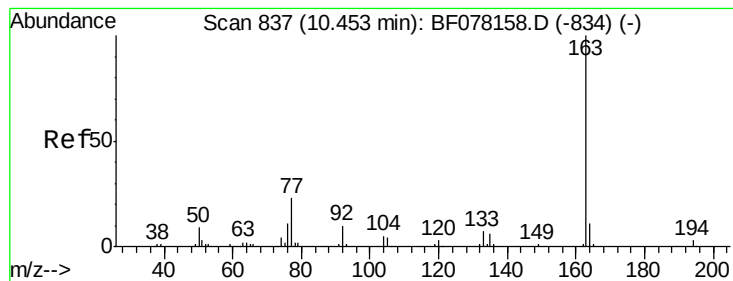
#44
 2-Fluorobiphenyl
 Concen: 56.40 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078344.D
 Acq: 8 Apr 2015 20:05

Tgt Ion:172 Resp: 330635
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.4 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





#49

Dimethylphthalate

Concen: 5.58 ng

RT: 10.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampled :

SB-4S

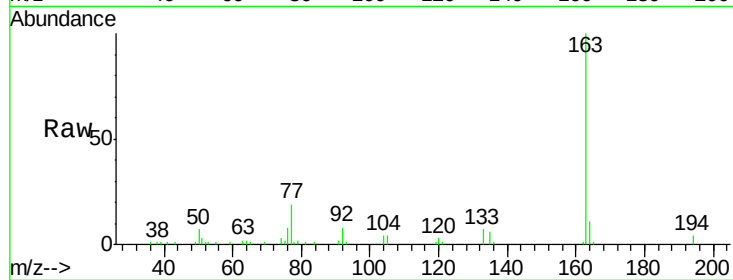
Tgt Ion:163 Resp: 35136

Ion Ratio Lower Upper

163 100

194 3.6 2.3 3.5#

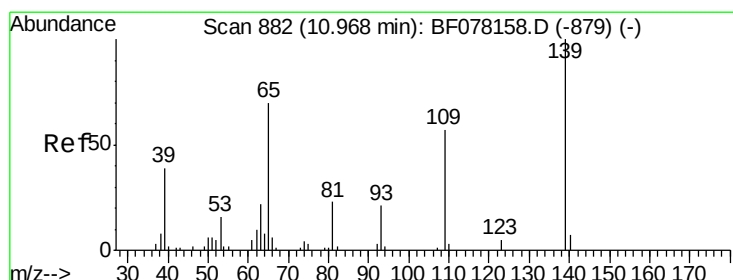
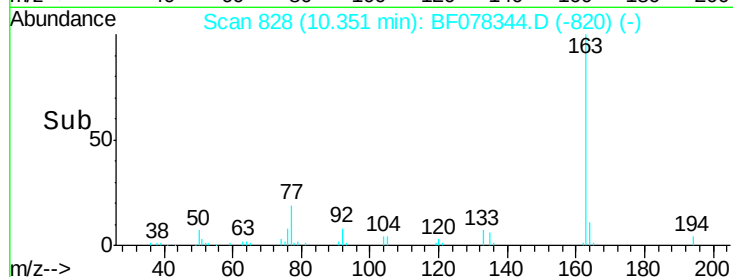
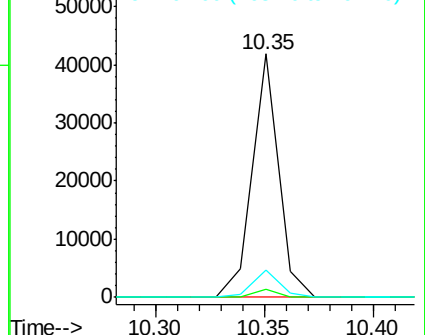
164 11.1 8.6 13.0



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



#55

4-Nitrophenol

Concen: 2.96 ng

RT: 10.91 min Scan# 877

Delta R.T. 0.05 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

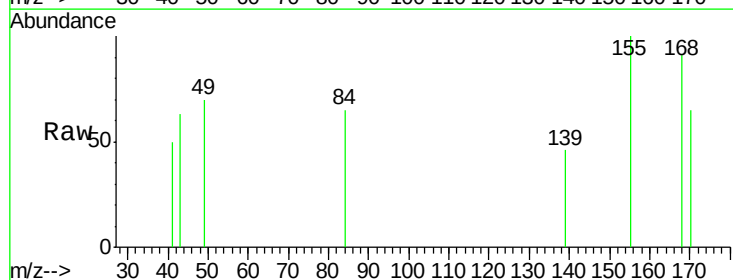
Tgt Ion:139 Resp: 217

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

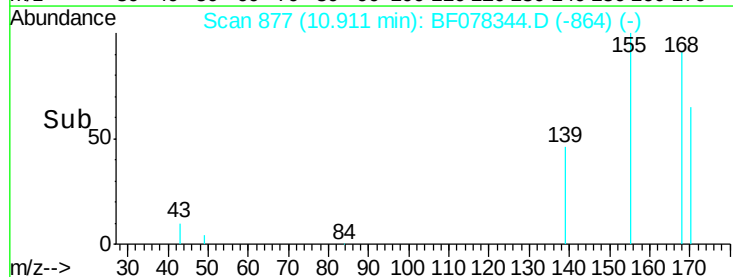
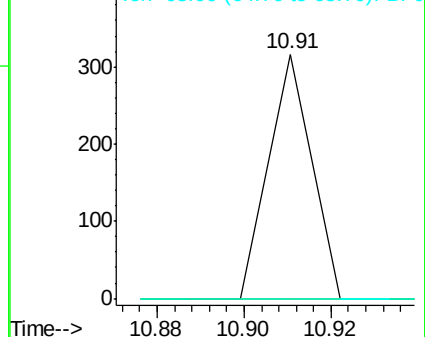
65 0.0 49.9 89.9#

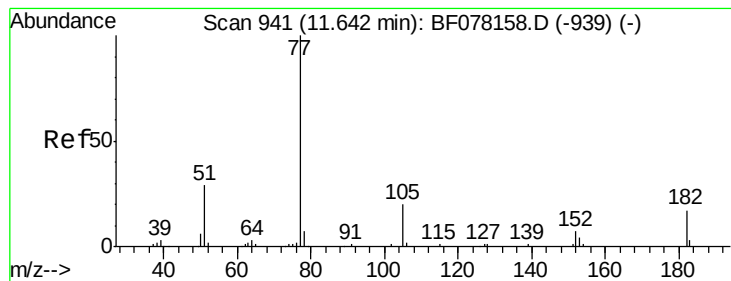


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#62

Azobenzene

Concen: 5.74 ng

RT: 11.55 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampled :

SB-4S

Tgt Ion: 77 Resp: 31825

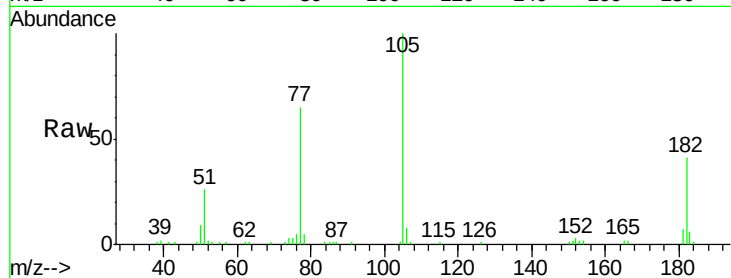
Ion Ratio Lower Upper

77 100

182 62.5 0.0 36.8#

105 153.6 0.3 40.3#

51 40.6 9.1 49.1

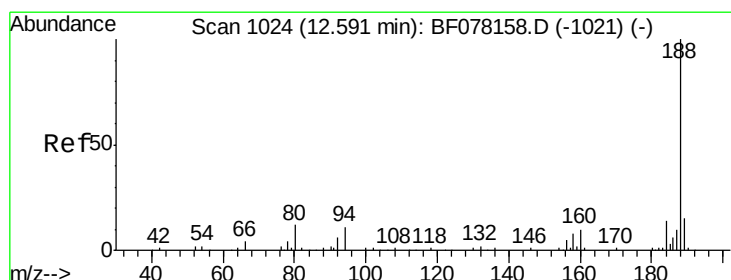
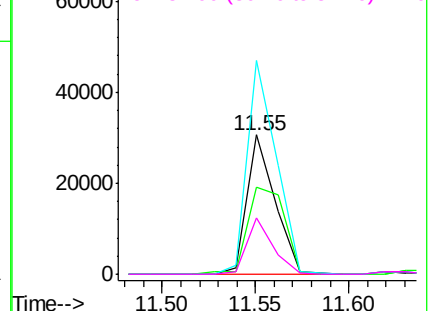
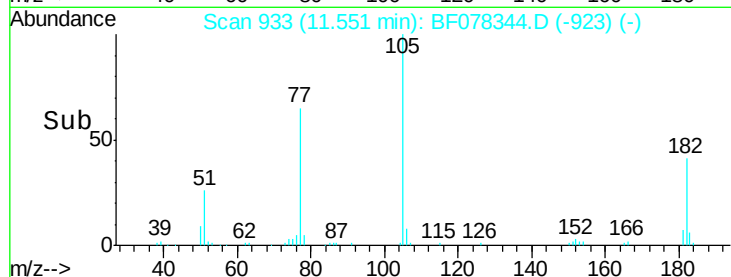


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.48 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

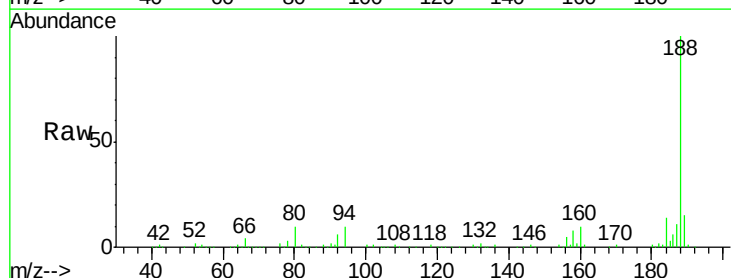
Tgt Ion: 188 Resp: 164035

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.4

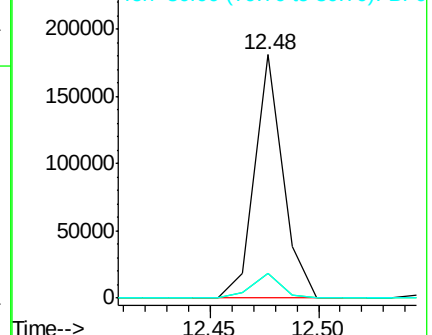
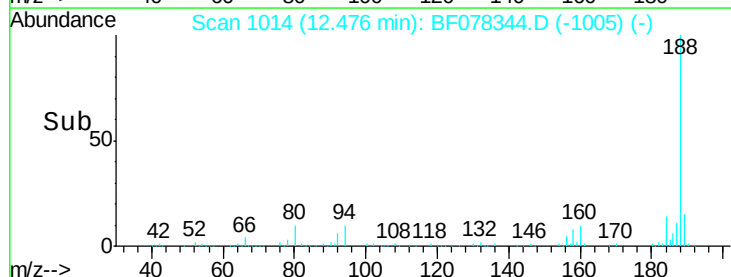
80 10.1 9.5 14.3

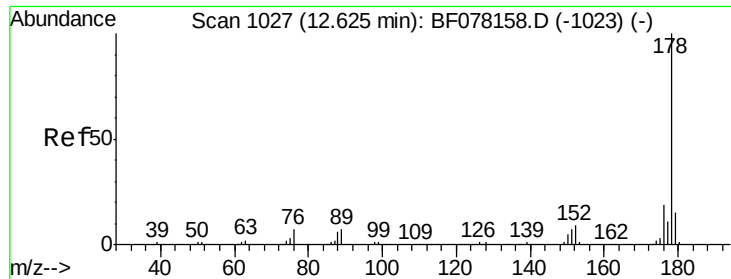


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

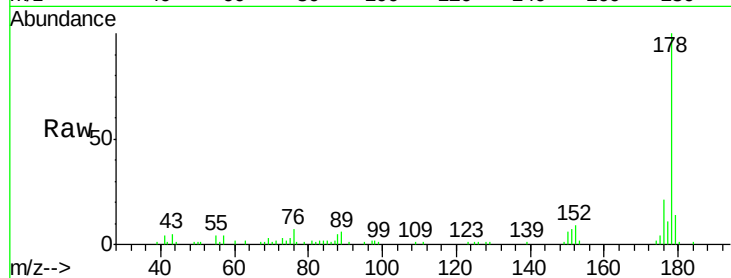




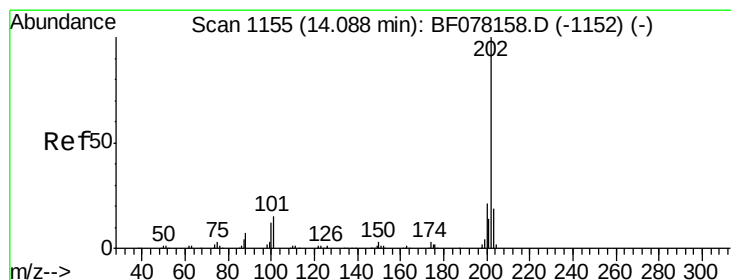
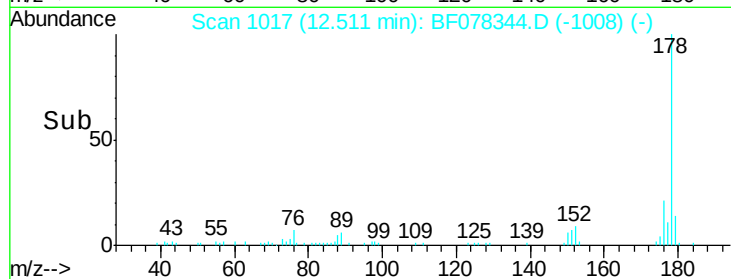
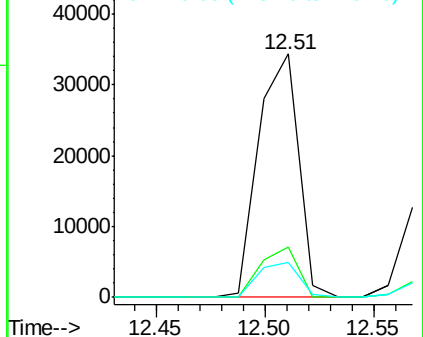
#70
Phenanthrene
Concen: 4.67 ng
RT: 12.51 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Instrument :
BNA_F
ClientSampleId :
SB-4S

Tgt Ion:178 Resp: 44304
Ion Ratio Lower Upper
178 100
176 20.5 15.4 23.0
179 14.4 12.2 18.2

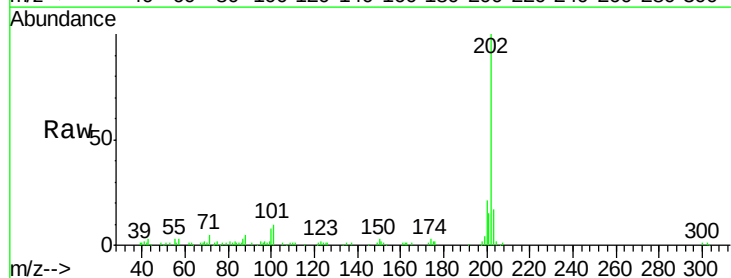


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

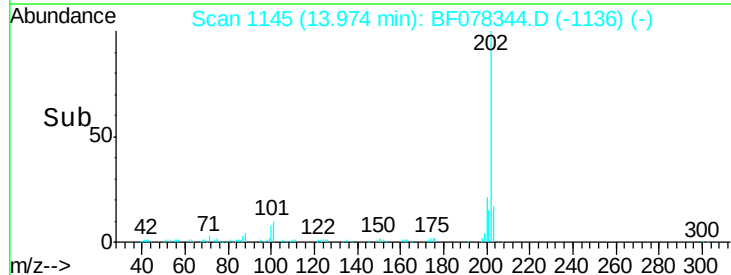
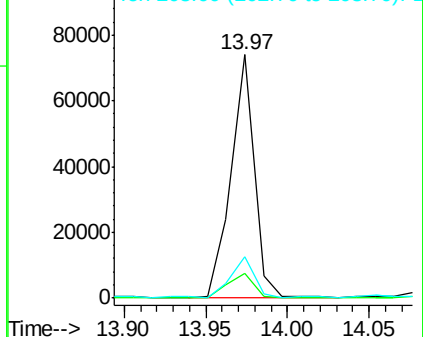


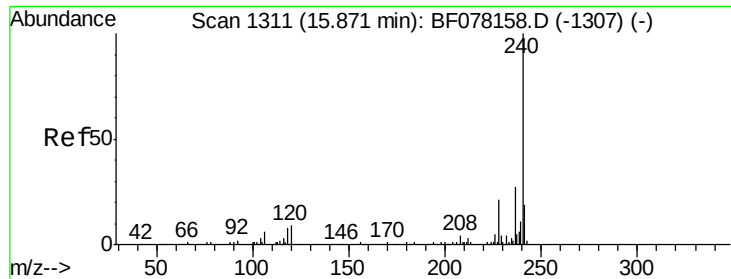
#74
Fluoranthene
Concen: 7.31 ng
RT: 13.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Tgt Ion:202 Resp: 73140
Ion Ratio Lower Upper
202 100
101 10.2 0.0 35.2
203 17.1 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

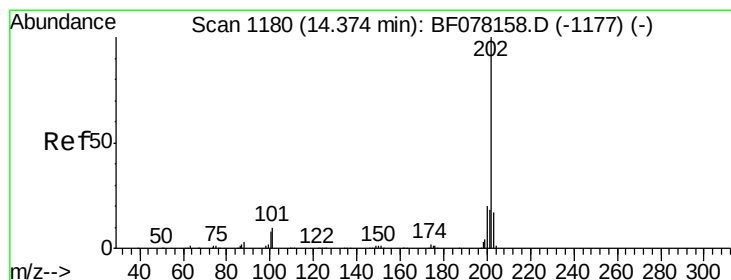
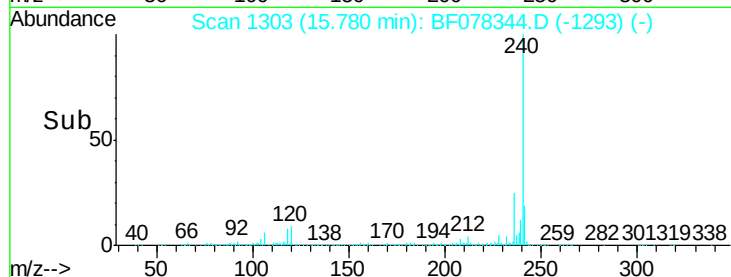
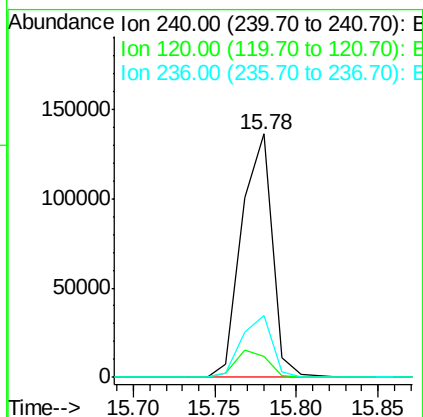
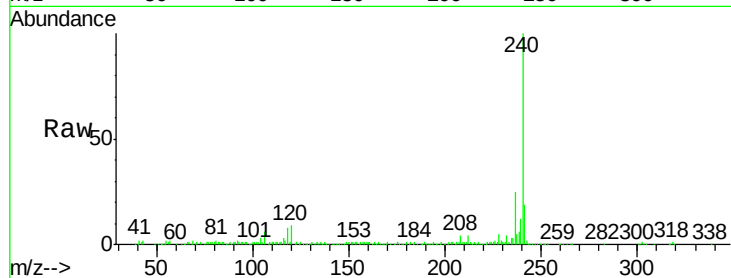




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.78 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

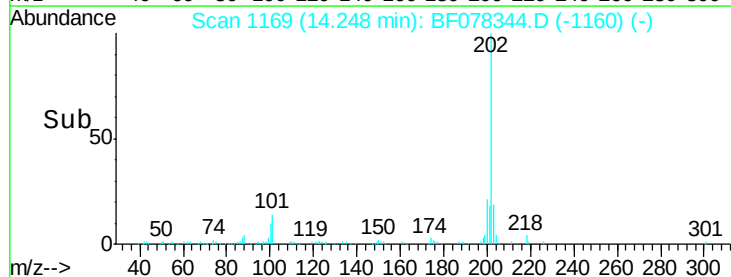
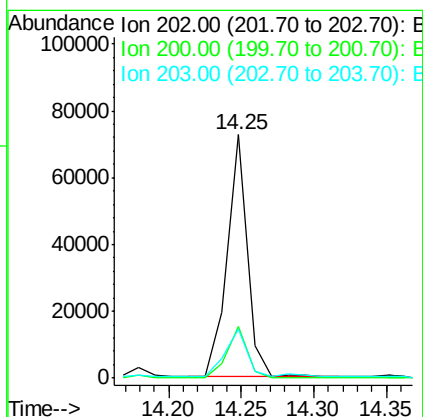
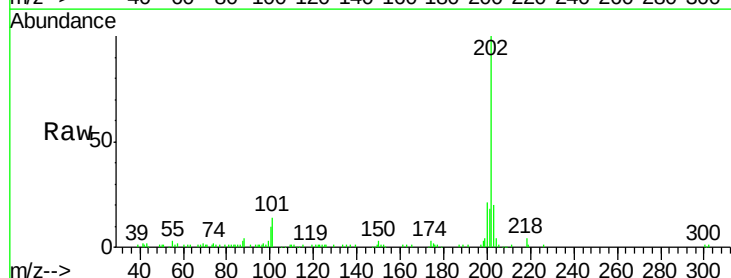
Instrument :
BNA_F
ClientSampleId :
SB-4S

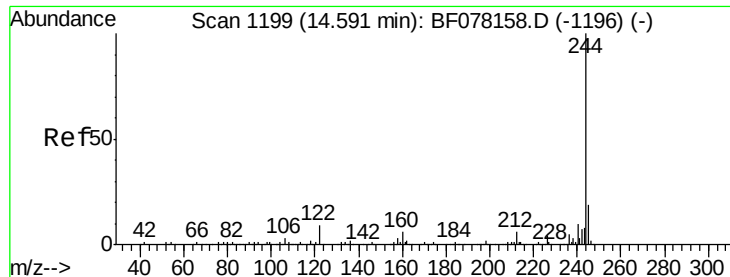
Tgt Ion:240 Resp: 177011
Ion Ratio Lower Upper
240 100
120 8.8 7.1 10.7
236 25.4 21.4 32.2



#77
Pyrene
Concen: 6.34 ng
RT: 14.25 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Tgt Ion:202 Resp: 70502
Ion Ratio Lower Upper
202 100
200 21.0 16.3 24.5
203 20.1 13.8 20.6





#78

Terphenyl-d14

Concen: 46.21 ng

RT: 14.48 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-4S

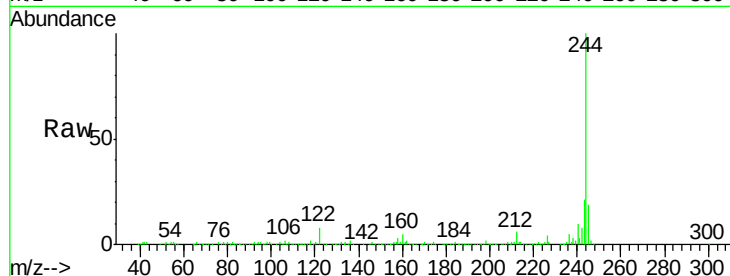
Tgt Ion:244 Resp: 362015

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

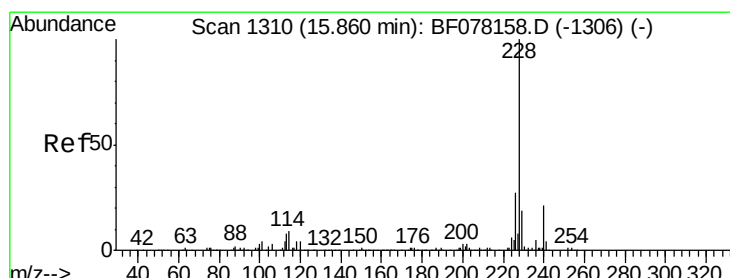
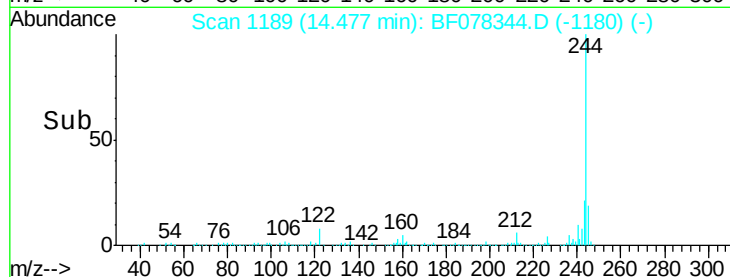
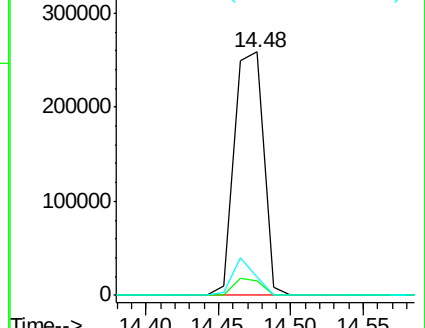
122 7.5 7.1 10.7



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: 4.57 ng

RT: 15.80 min Scan# 1305

Delta R.T. 0.05 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

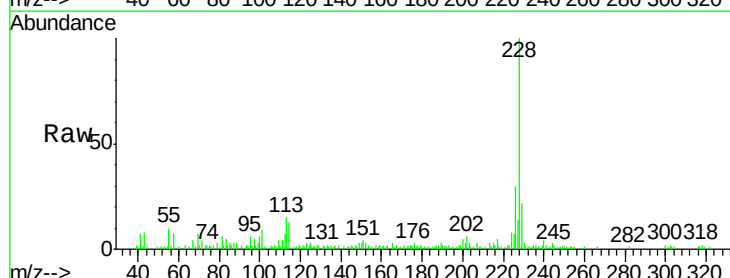
Tgt Ion:228 Resp: 48141

Ion Ratio Lower Upper

228 100

226 30.5 21.3 31.9

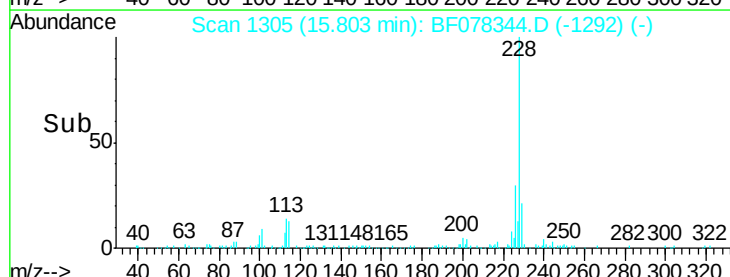
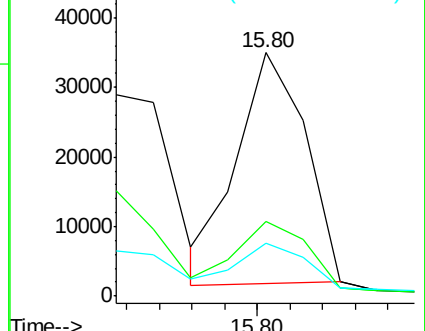
229 21.9 15.4 23.2

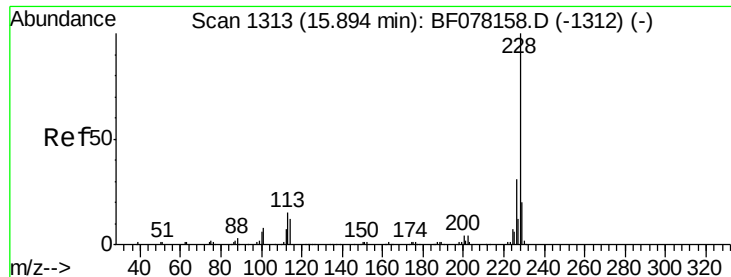


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

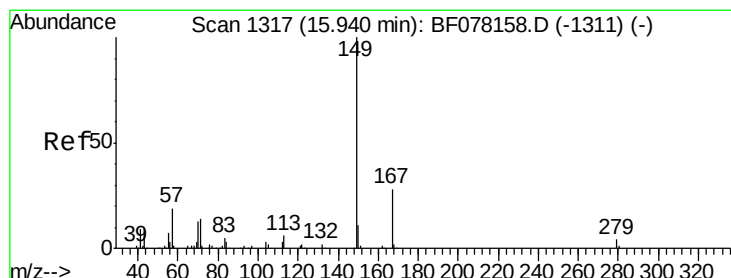
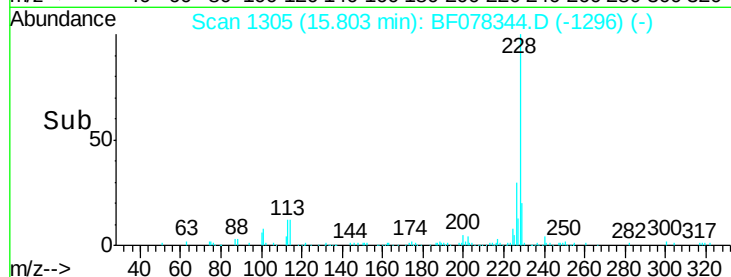
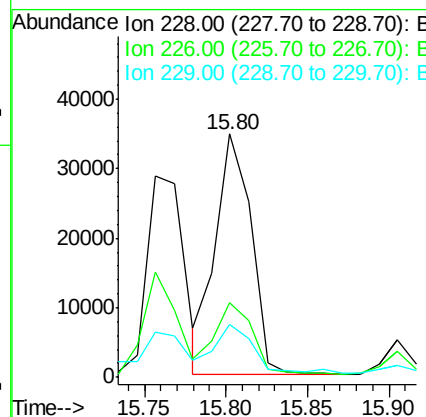
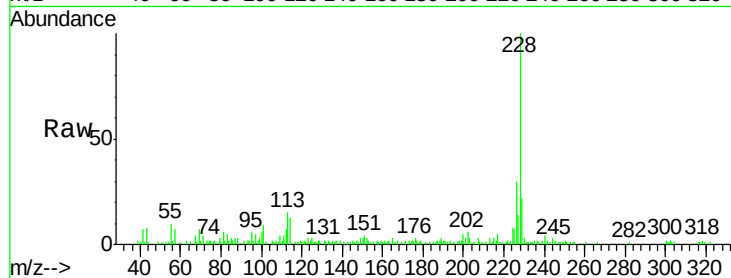




#82
Chrysene
Concen: 5.31 ng
RT: 15.80 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

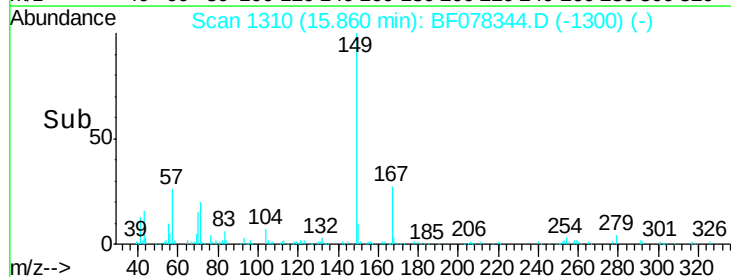
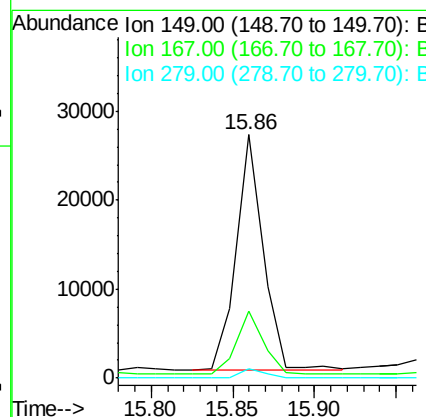
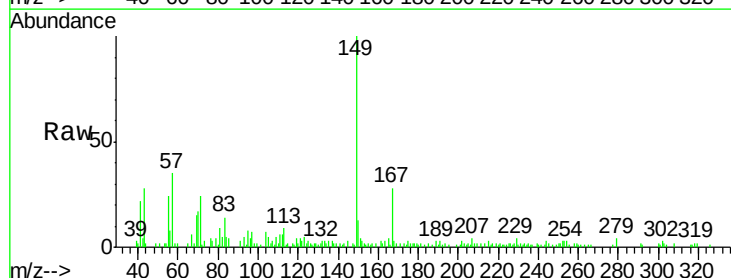
Instrument :
BNA_F
ClientSampleId :
SB-4S

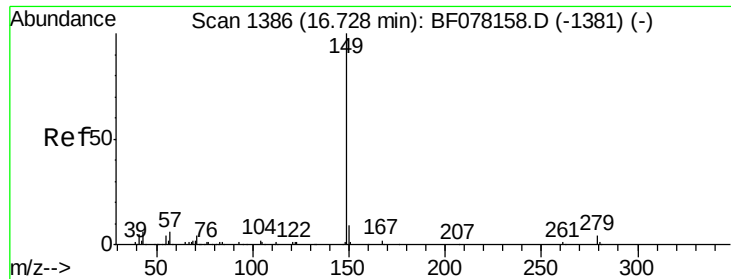
Tgt Ion: 228 Resp: 52496
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 21.9 15.8 23.8



#83
Bis(2-ethylhexyl)phthalate
Concen: 4.56 ng
RT: 15.86 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Tgt Ion: 149 Resp: 30292
Ion Ratio Lower Upper
149 100
167 27.5 22.2 33.2
279 3.6 3.2 4.8

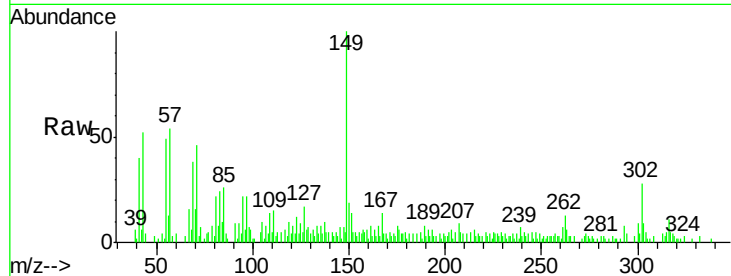




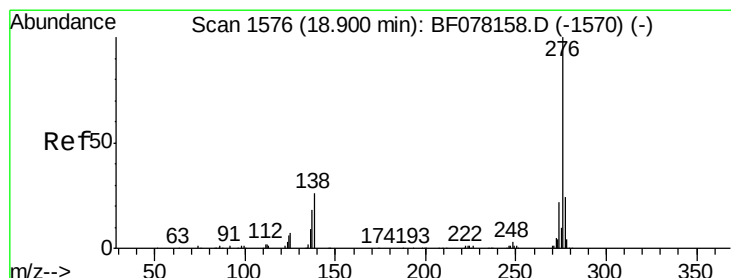
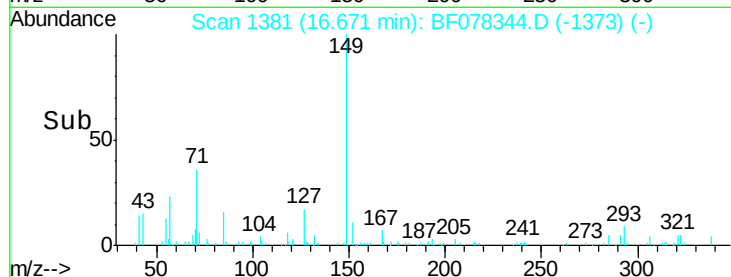
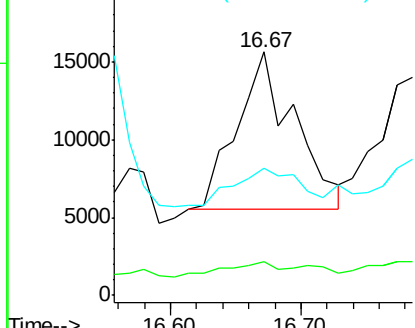
#84
Di-n-octyl phthalate
Concen: 2.85 ng
RT: 16.67 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Instrument :
BNA_F
ClientSampled :
SB-4S

Tgt Ion:149 Resp: 31096
Ion Ratio Lower Upper
149 100
167 5.6 0.0 0.0#
43 25.7 0.0 0.0#

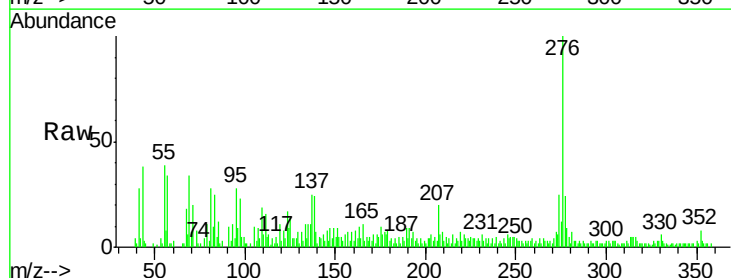


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

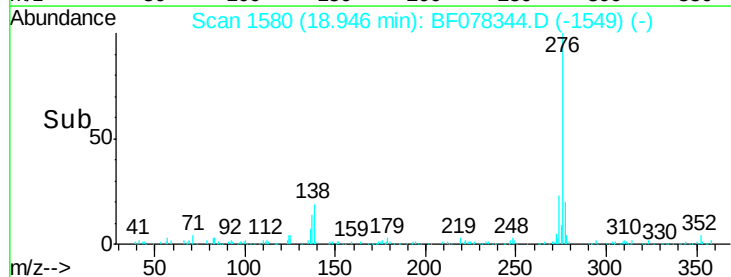
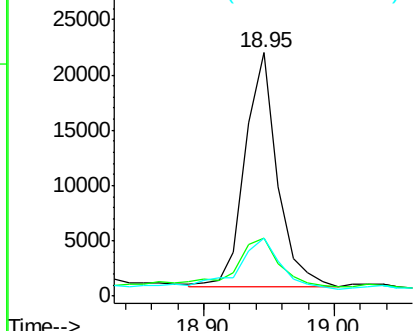


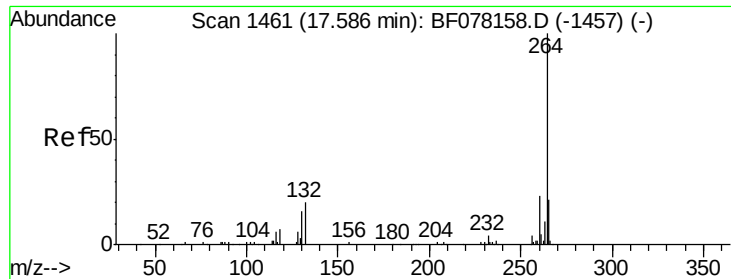
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.26 ng
RT: 18.95 min Scan# 1580
Delta R.T. 0.06 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Tgt Ion:276 Resp: 36563
Ion Ratio Lower Upper
276 100
138 28.4 16.9 25.3#
277 31.1 15.8 23.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

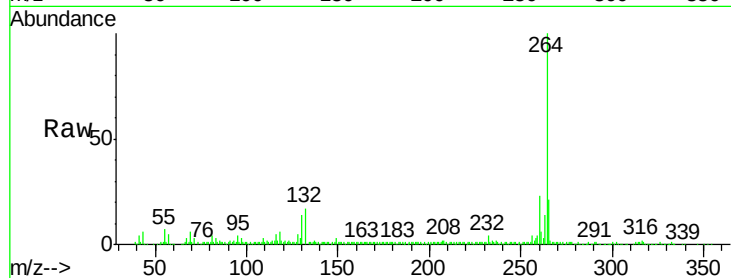




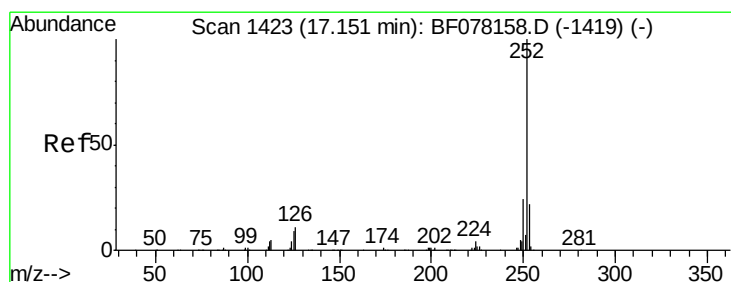
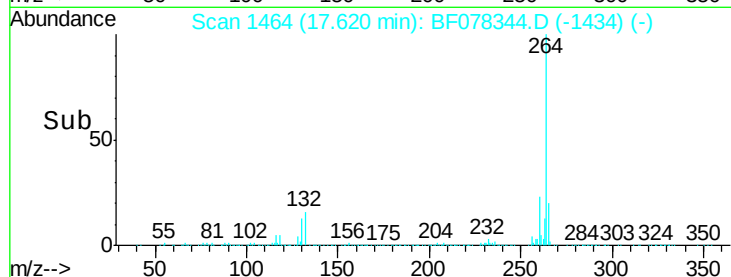
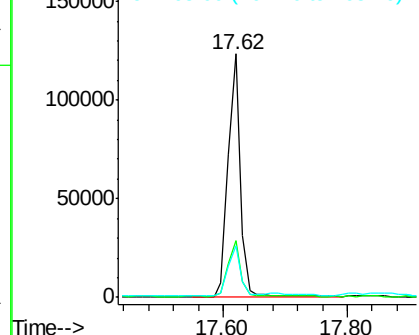
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.62 min Scan# 1464
Delta R.T. 0.05 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Instrument :
BNA_F
ClientSampleId :
SB-4S

Tgt Ion:264 Resp: 165924
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 20.9 17.0 25.6

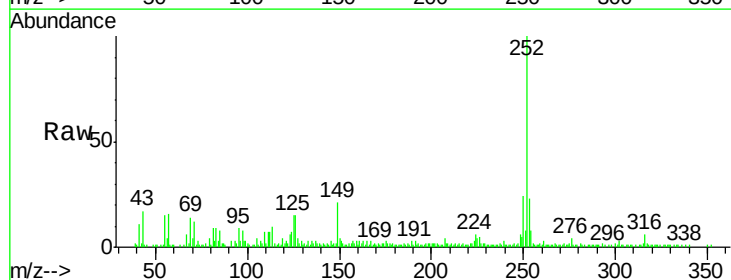


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

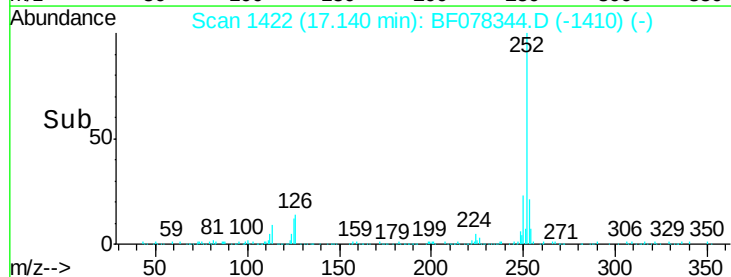
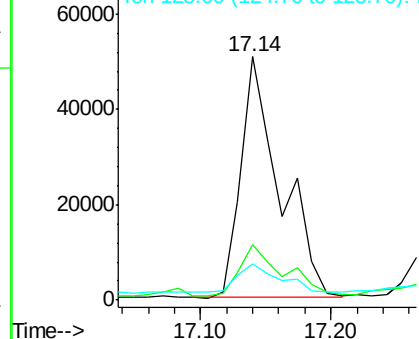


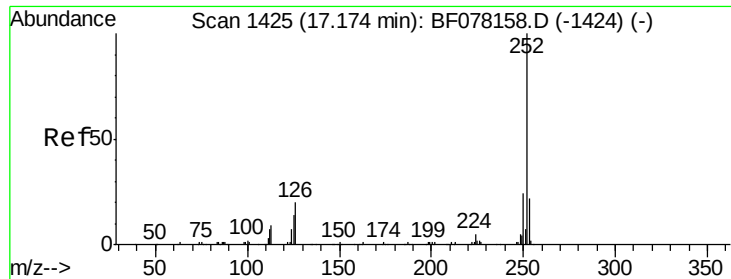
#87
Benzo(b)fluoranthene
Concen: 10.36 ng
RT: 17.14 min Scan# 1422
Delta R.T. 0.03 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Tgt Ion:252 Resp: 106272
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 15.0 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

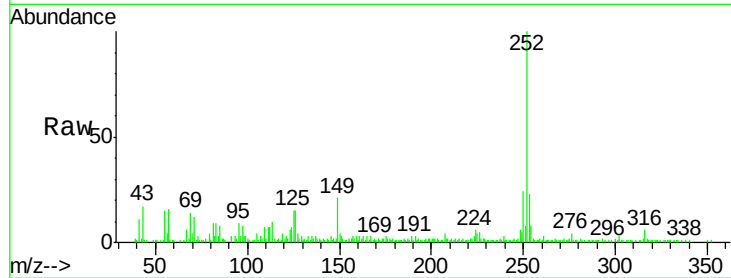




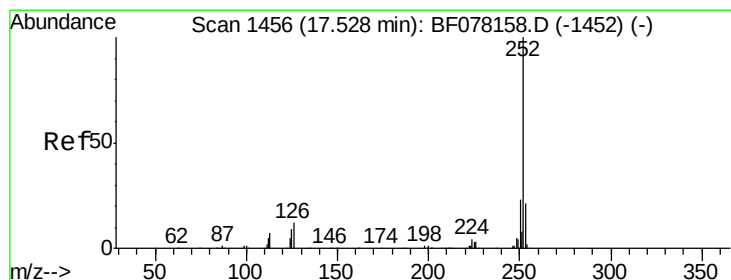
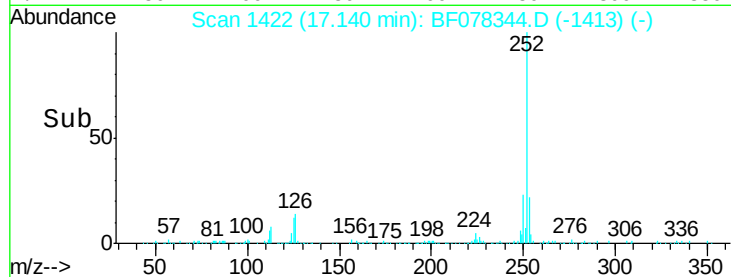
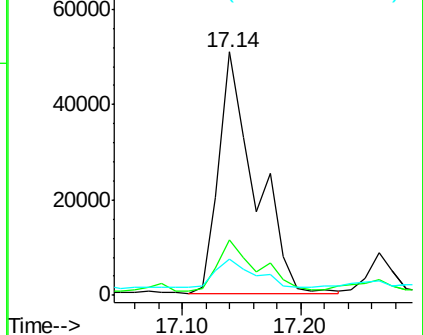
#88
Benzo(k)fluoranthene
Concen: 11.83 ng
RT: 17.14 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Instrument :
BNA_F
ClientSampleId :
SB-4S

Tgt Ion: 252 Resp: 107811
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 15.0 11.6 17.4

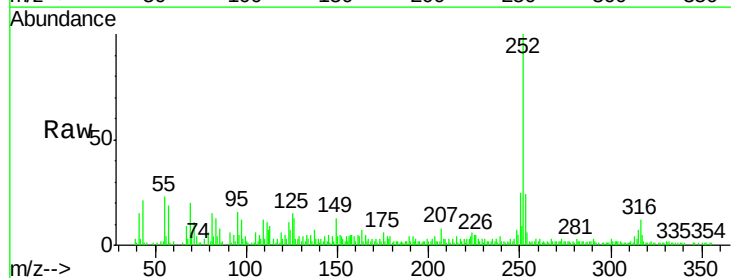


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

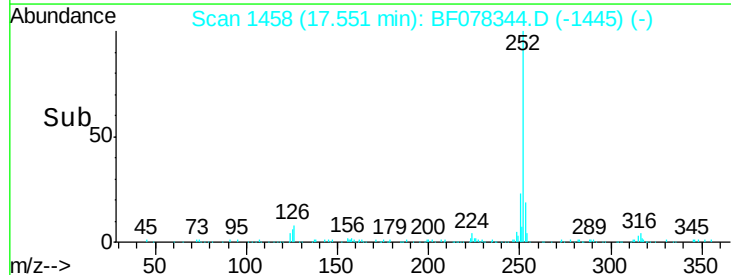
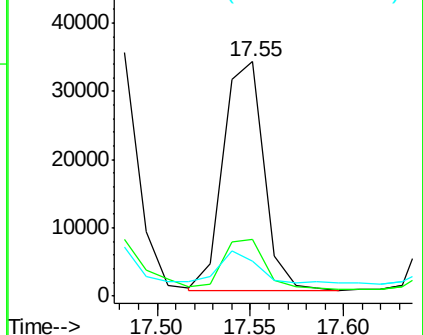


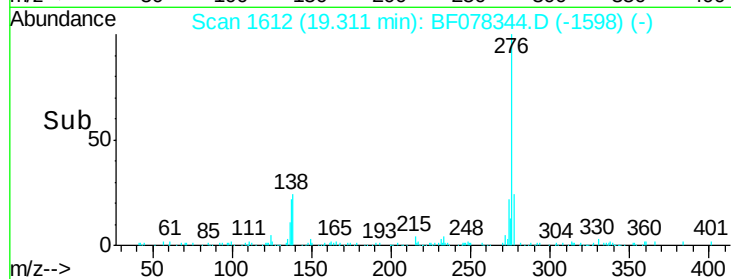
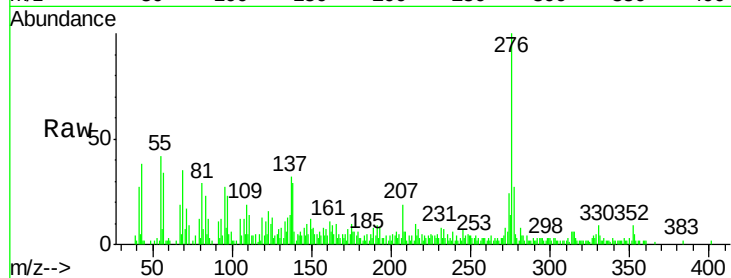
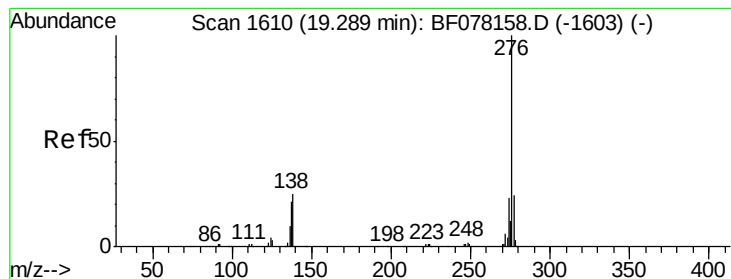
#89
Benzo(a)pyrene
Concen: 5.71 ng
RT: 17.55 min Scan# 1458
Delta R.T. 0.05 min
Lab File: BF078344.D
Acq: 8 Apr 2015 20:05

Tgt Ion: 252 Resp: 51082
Ion Ratio Lower Upper
252 100
253 24.3 16.8 25.2
125 14.8 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: 4.09 ng

RT: 19.31 min Scan# 1612

Delta R.T. 0.06 min

Lab File: BF078344.D

Acq: 8 Apr 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-4S

Tgt Ion:276 Resp: 36746

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.4

138 29.0 19.9 29.9

