

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078672.D
 Acq On : 21 Apr 2015 7:27
 Operator : TP/IZ
 Sample : G1943-06 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

Quant Time: Apr 21 08:28:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

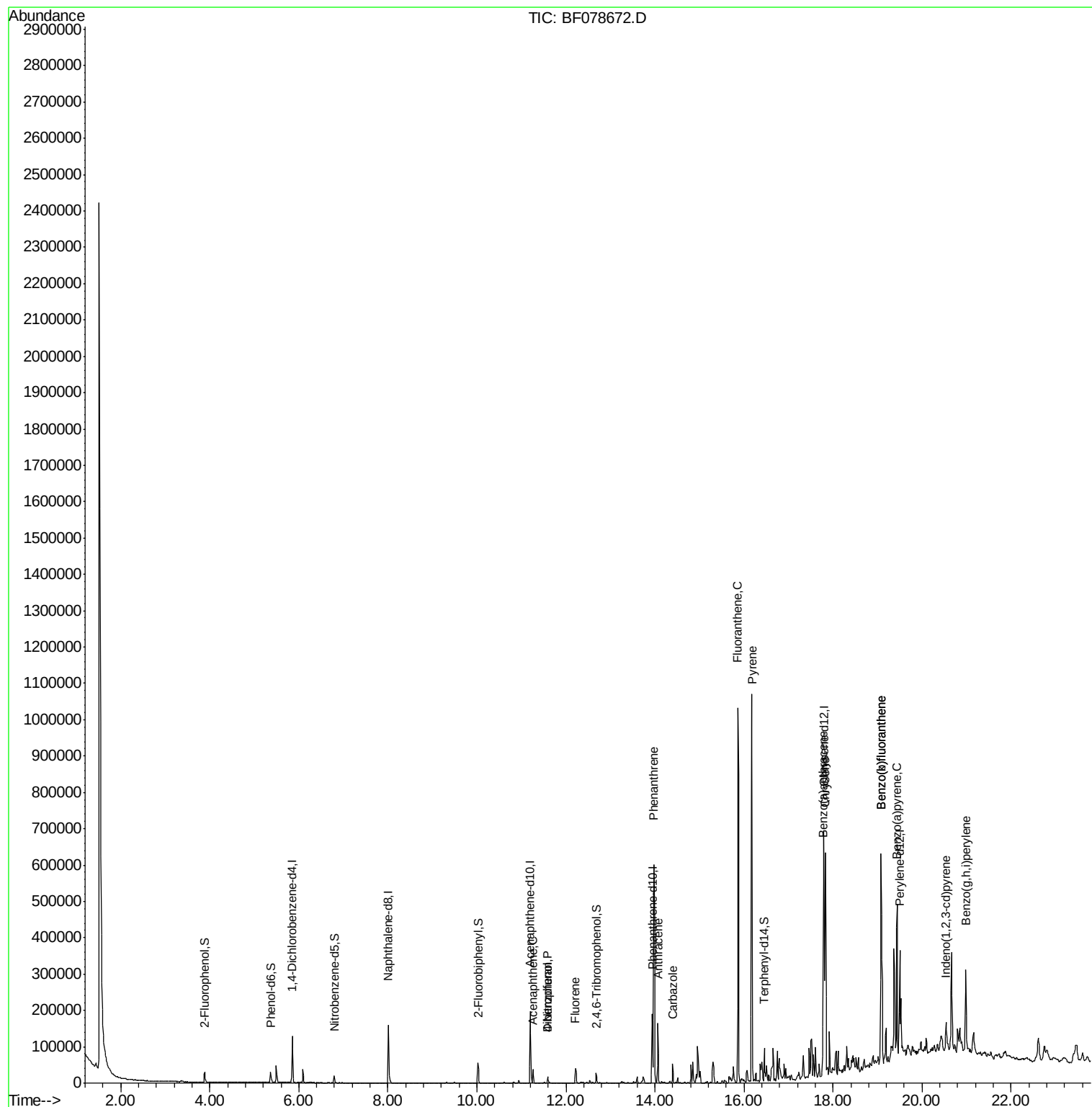
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	30250	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	125275	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	61414	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	121323	20.00	ng	0.00
75) Chrysene-d12	17.79	240	122087	20.00	ng	-0.01
86) Perylene-d12	19.50	264	124645	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	14945	8.15	ng	0.01
7) Phenol-d6	5.37	99	20602	8.96	ng	0.01
23) Nitrobenzene-d5	6.80	82	11508	5.57	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	4689	9.21	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	29412	6.85	ng	-0.01
78) Terphenyl-d14	16.46	244	34213	6.33	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	11.26	154	12962	3.61	ng	100
54) Dibenzofuran	11.59	168	11866	2.16	ng	95
55) 4-Nitrophenol	11.59	139	4090	7.73	ng	# 18
57) Fluorene	12.22	166	19526	4.39	ng	97
70) Phenanthrene	13.98	178	370029	52.73	ng	99
71) Anthracene	14.07	178	93586	13.53	ng	100
72) Carbazole	14.40	167	32179	4.97	ng	99
74) Fluoranthene	15.86	202	649770	87.79	ng	98
77) Pyrene	16.18	202	616988	80.50	ng	# 95
80) Benzo(a)anthracene	17.78	228	302214	41.60	ng	96
82) Chrysene	17.83	228	253331	37.12	ng	98
85) Indeno(1,2,3-cd)pyrene	20.54	276	32974	4.26	ng	95
87) Benzo(b)fluoranthene	19.07	252	458270	59.49	ng	# 96
88) Benzo(k)fluoranthene	19.07	252	451836	66.00	ng	97
89) Benzo(a)pyrene	19.44	252	232879	34.64	ng	96
91) Benzo(g,h,i)perylene	20.98	276	149661	22.18	ng	98

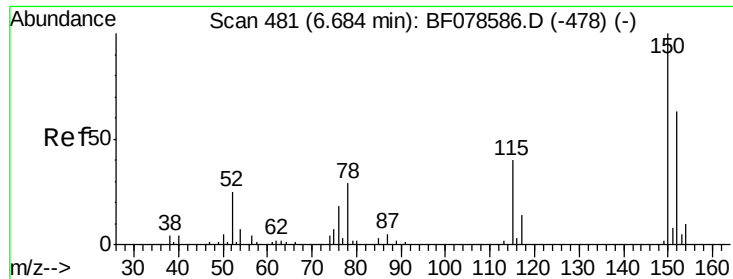
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampleId :

SP-B-3

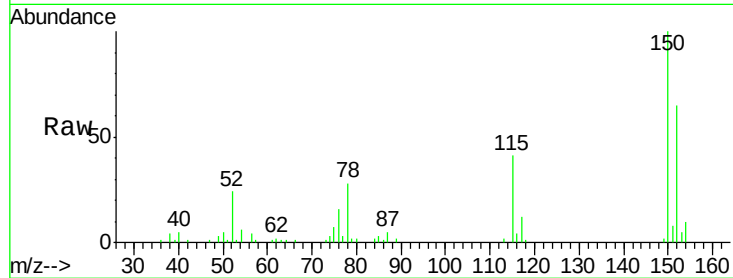
Tgt Ion:152 Resp: 30250

Ion Ratio Lower Upper

152 100

150 153.1 125.9 188.9

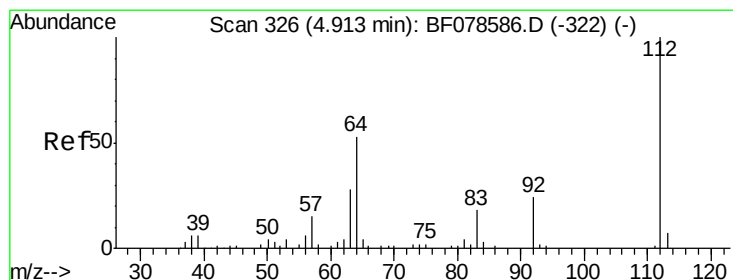
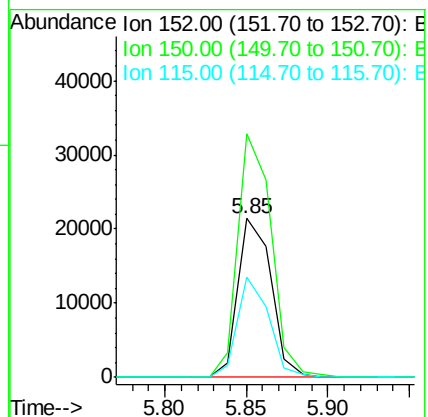
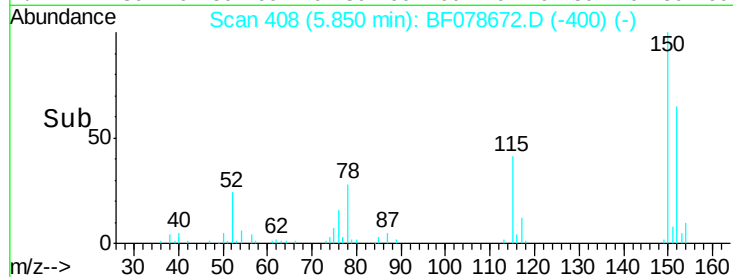
115 62.7 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 8.15 ng

RT: 3.88 min Scan# 236

Delta R.T. 0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

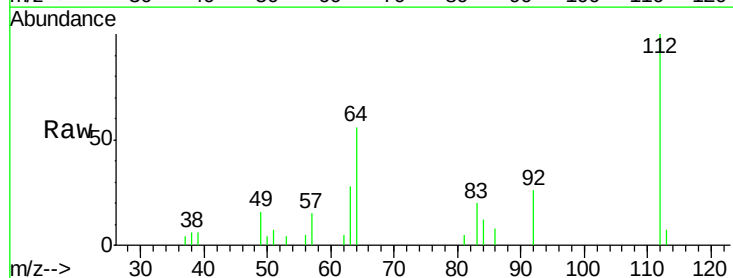
Tgt Ion:112 Resp: 14945

Ion Ratio Lower Upper

112 100

64 56.2 39.9 59.9

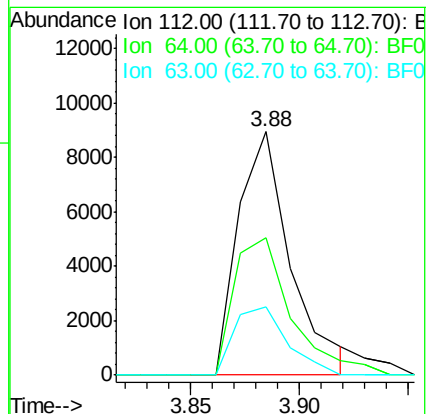
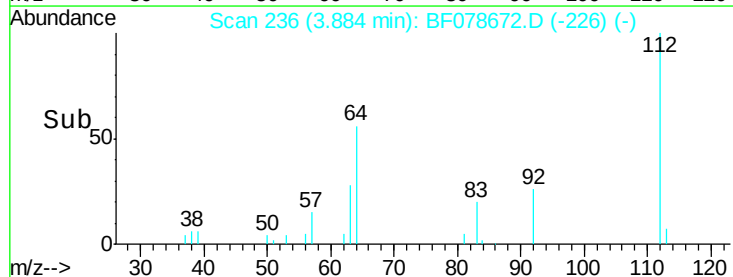
63 28.2 20.2 30.4

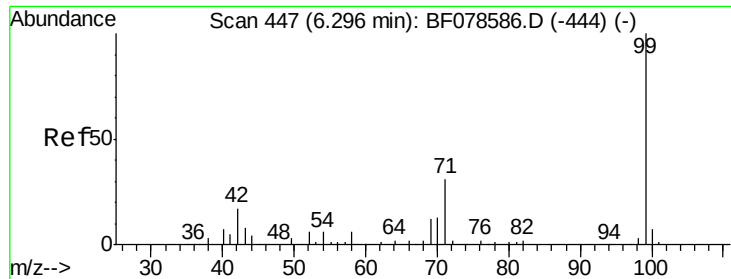


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.96 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampleId :

SP-B-3

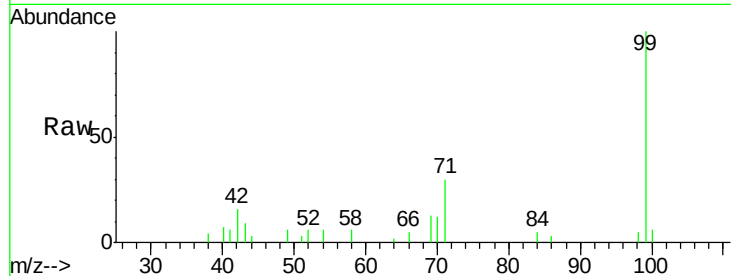
Tgt Ion: 99 Resp: 20602

Ion Ratio Lower Upper

99 100

42 16.4 14.8 22.2

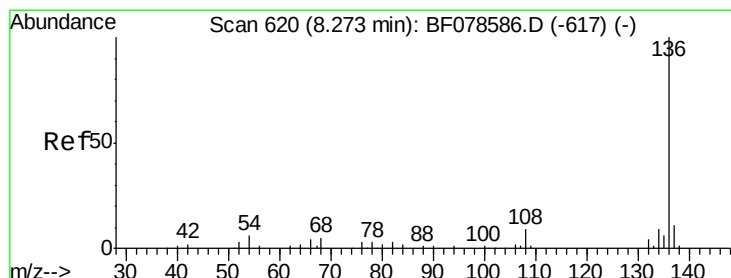
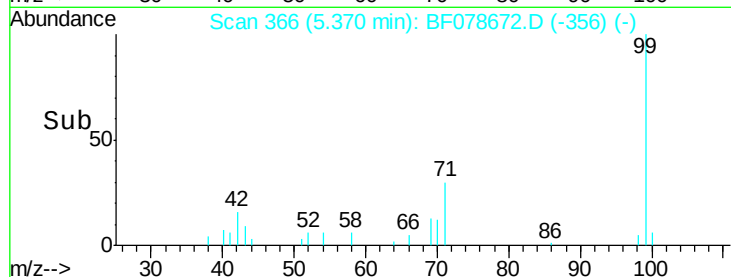
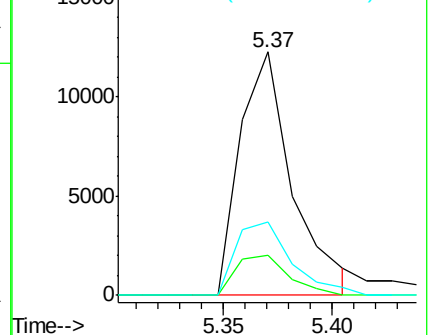
71 30.4 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Tgt Ion: 136 Resp: 125275

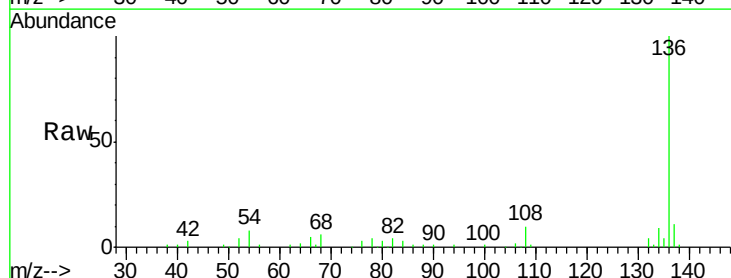
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 8.1 7.0 10.6

68 6.2 5.4 8.2

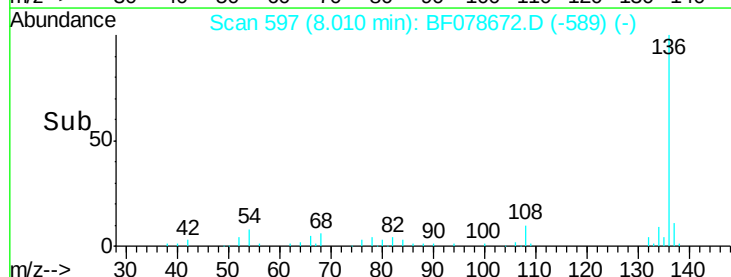
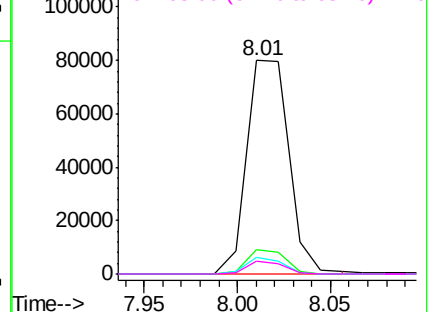


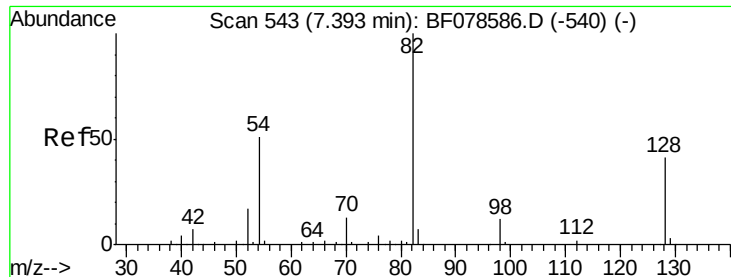
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.57 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampleId :

SP-B-3

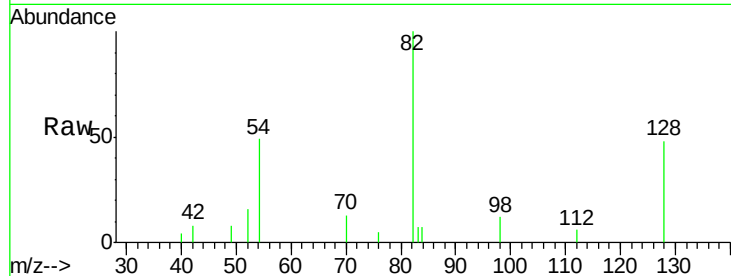
Tgt Ion: 82 Resp: 11508

Ion Ratio Lower Upper

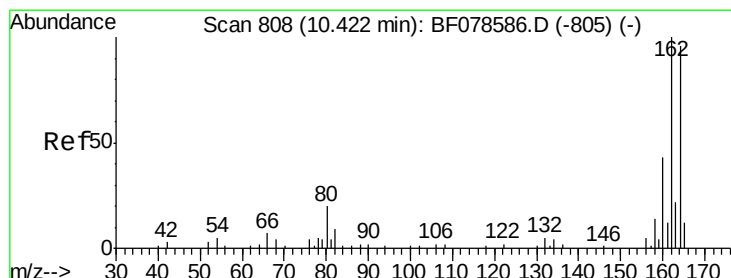
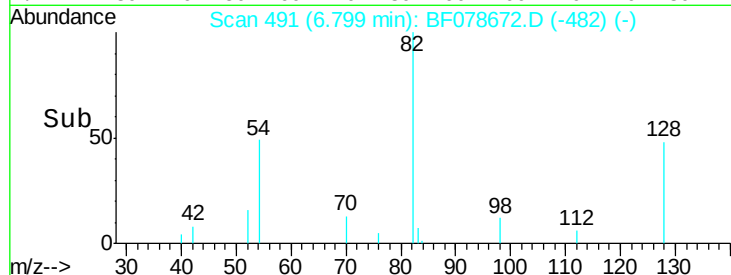
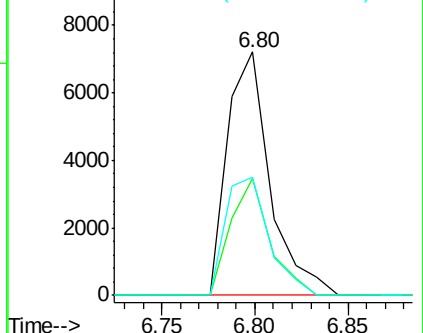
82 100

128 47.8 31.8 47.8#

54 48.7 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: 11.20 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

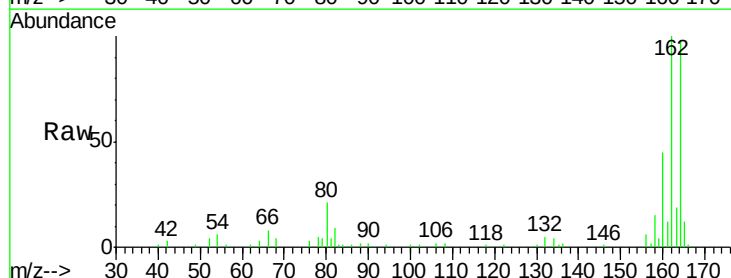
Tgt Ion: 164 Resp: 61414

Ion Ratio Lower Upper

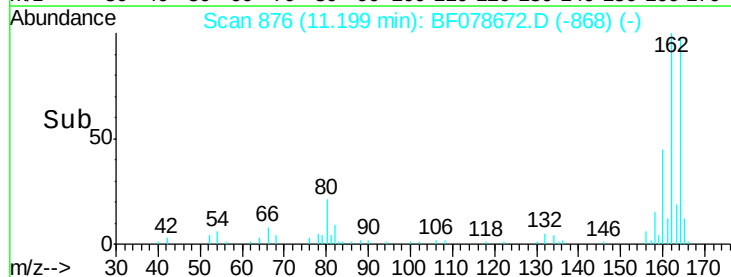
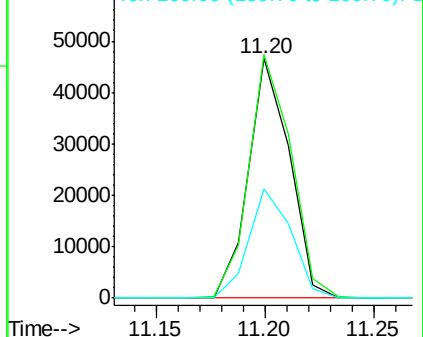
164 100

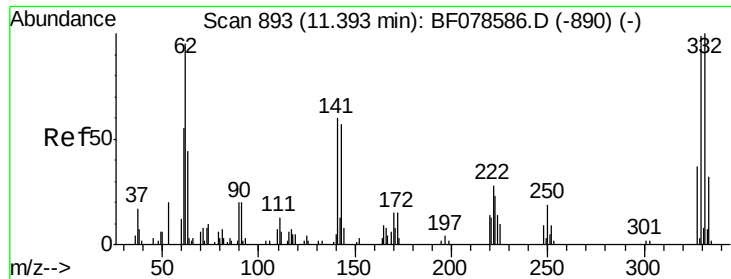
162 101.6 82.2 123.2

160 45.4 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

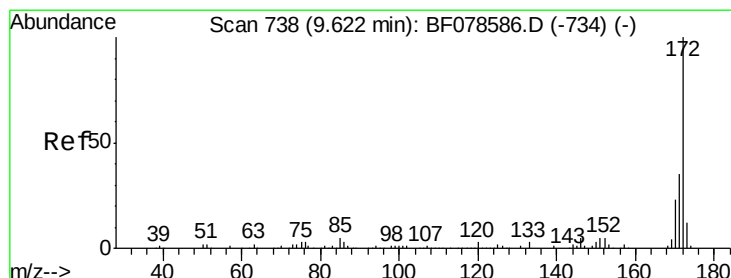
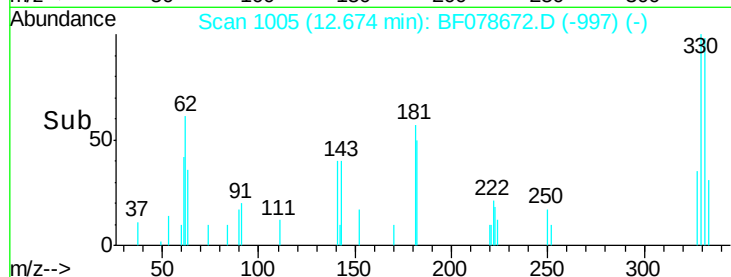
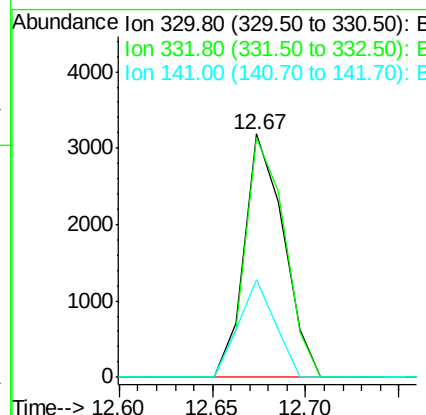
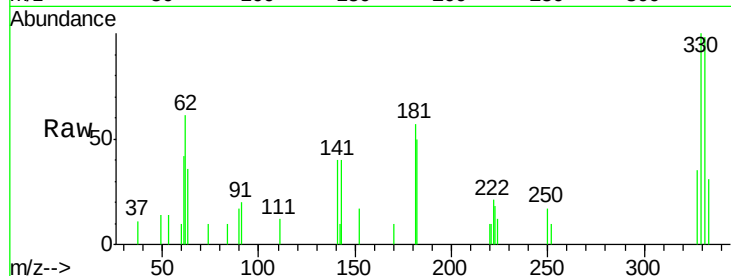




#41
 2,4,6-Tribromophenol
 Concen: 9.21 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

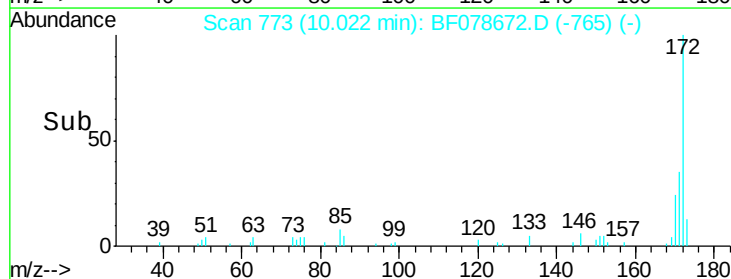
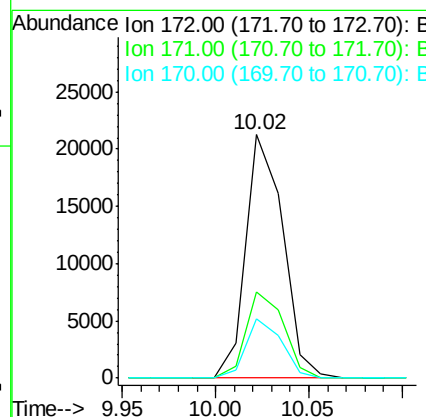
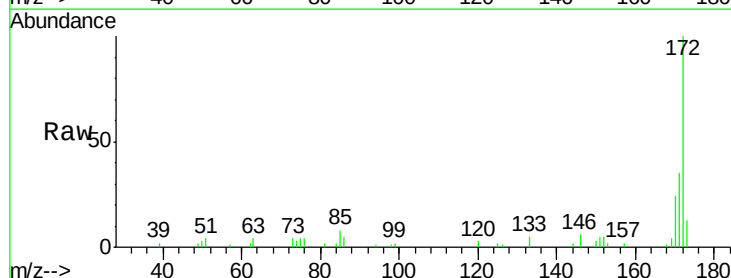
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

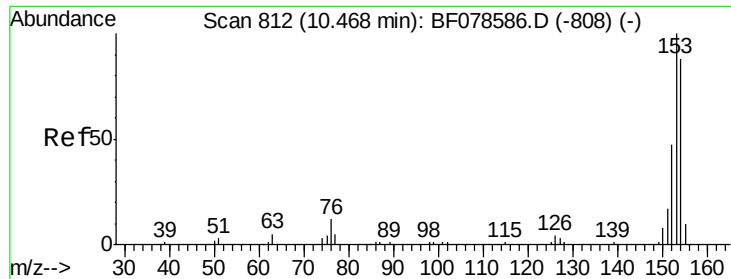
Tgt Ion: 330 Resp: 4689
 Ion Ratio Lower Upper
 330 100
 332 99.5 78.6 117.8
 141 37.2 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 6.85 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion: 172 Resp: 29412
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 24.3 18.5 27.7





#51

Acenaphthene

Concen: 3.61 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampleId :

SP-B-3

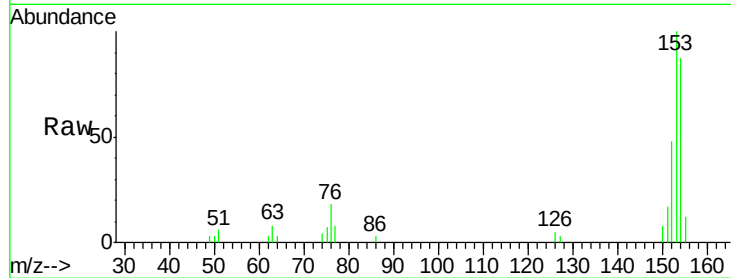
Tgt Ion:154 Resp: 12962

Ion Ratio Lower Upper

154 100

153 114.5 91.4 137.2

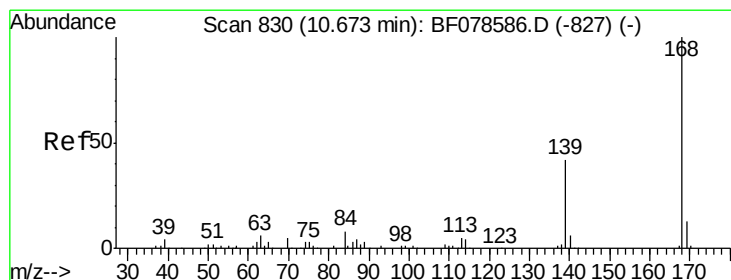
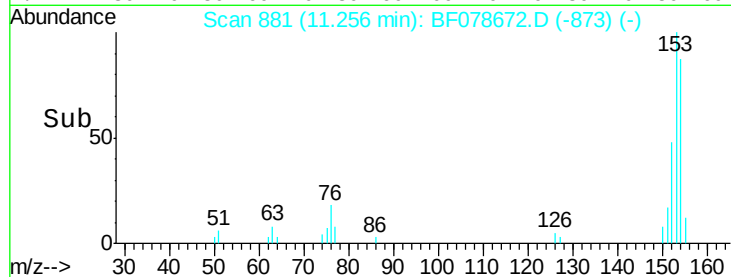
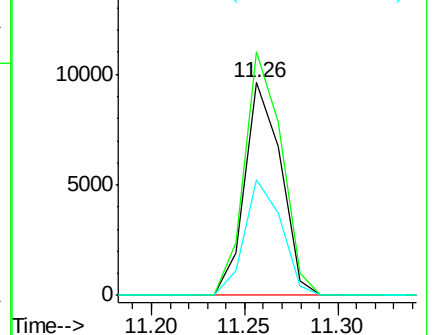
152 54.5 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.16 ng

RT: 11.59 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

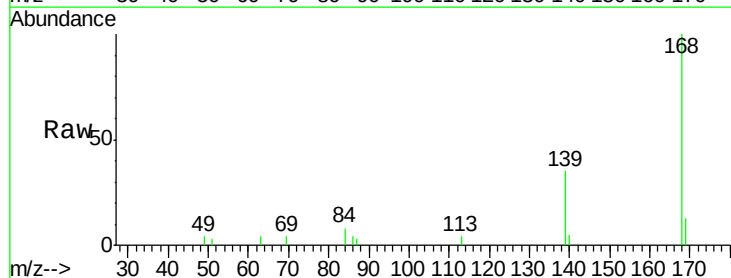
Tgt Ion:168 Resp: 11866

Ion Ratio Lower Upper

168 100

139 35.0 31.0 46.4

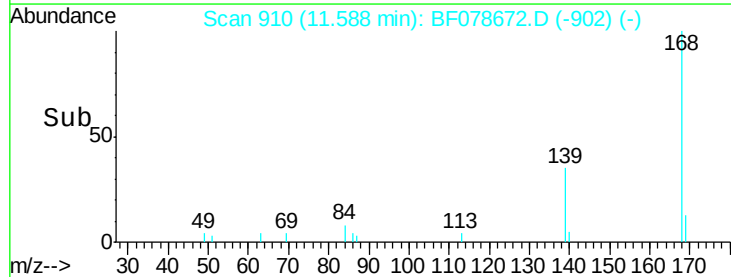
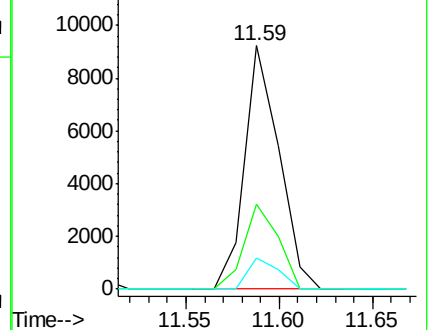
169 12.7 10.7 16.1

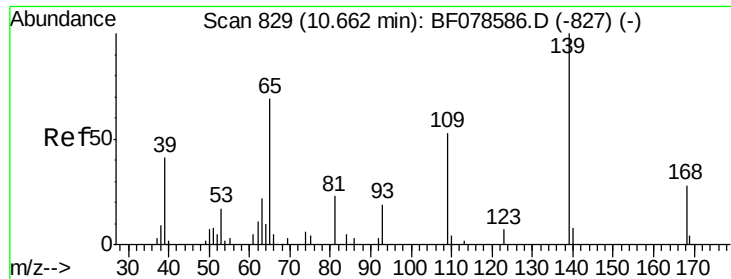


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

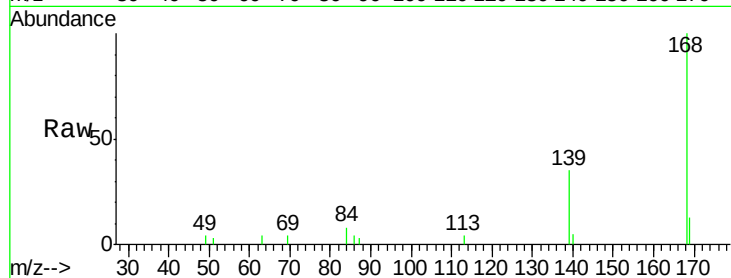




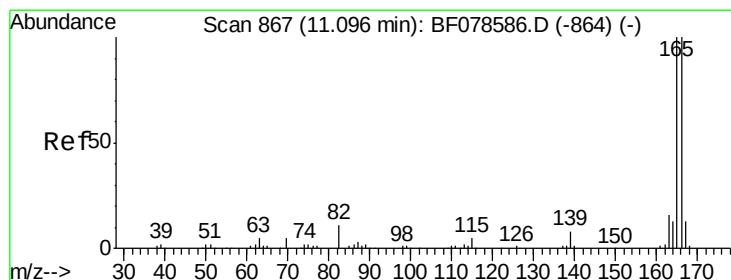
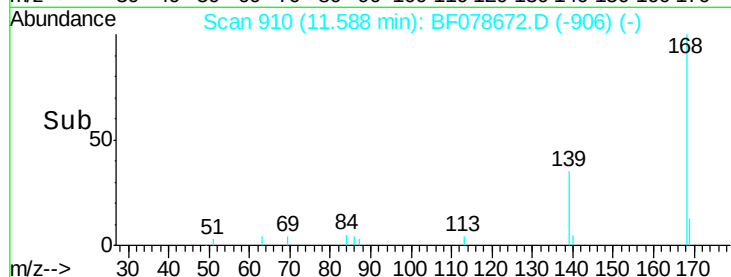
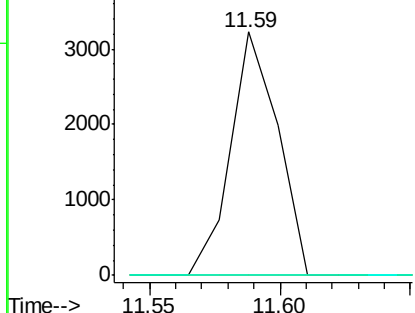
#55
4-Nitrophenol
Concen: 7.73 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-B-3

Tgt Ion:139 Resp: 4090
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

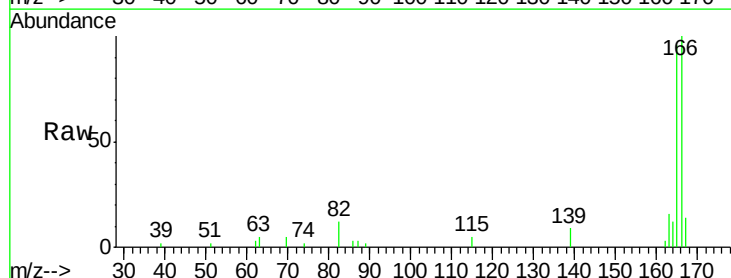


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

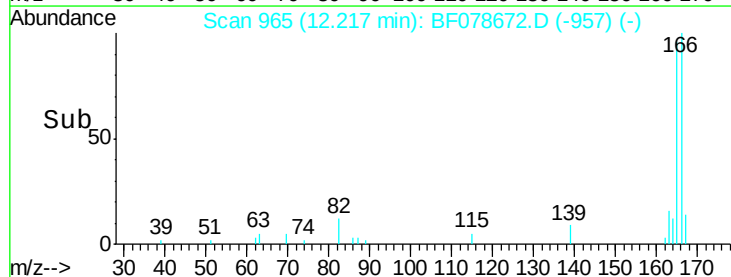
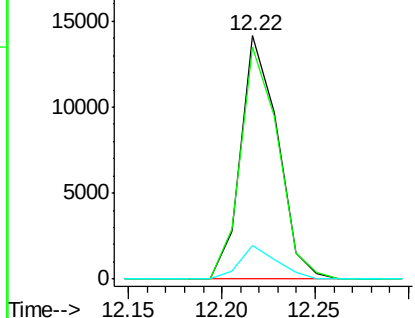


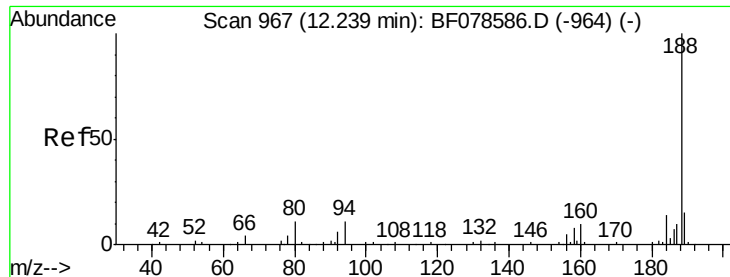
#57
Fluorene
Concen: 4.39 ng
RT: 12.22 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:166 Resp: 19526
Ion Ratio Lower Upper
166 100
165 95.6 78.9 118.3
167 13.9 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

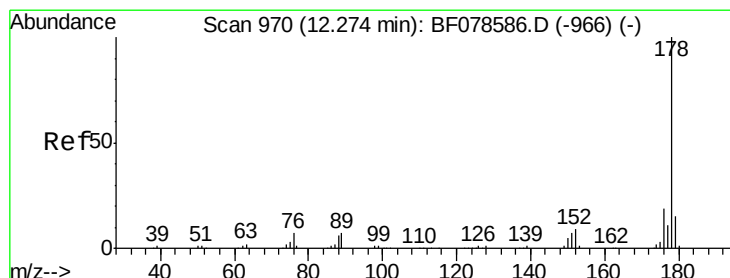
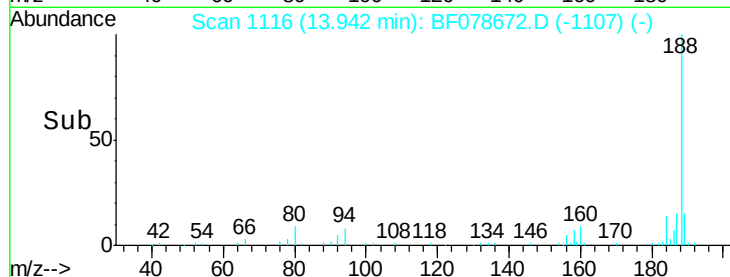
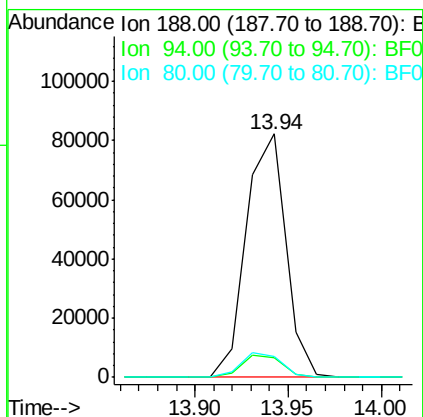
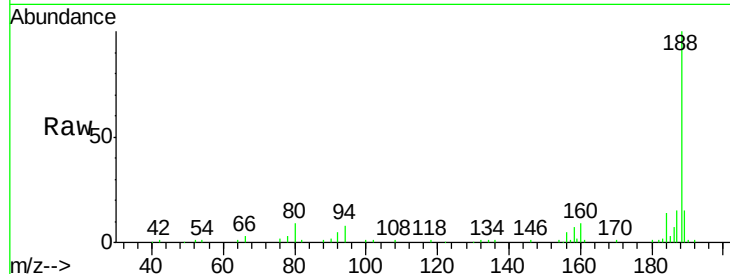




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

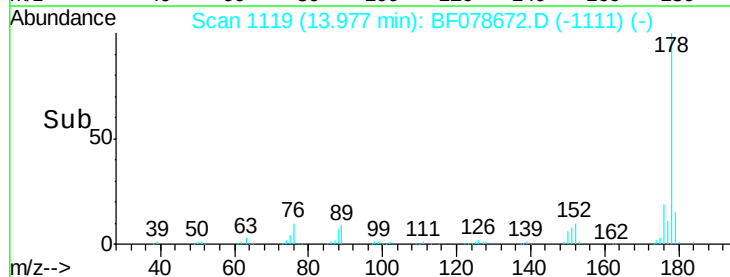
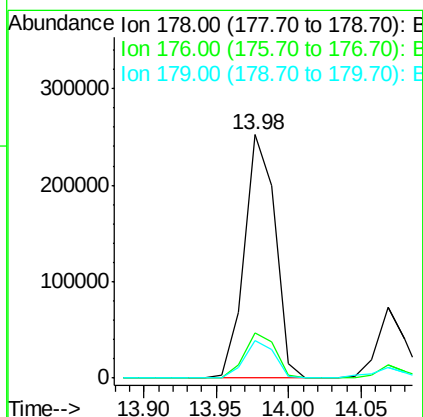
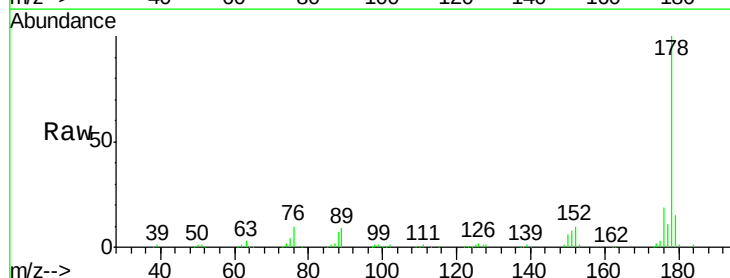
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

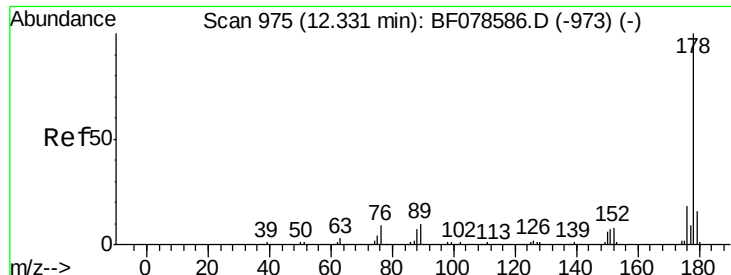
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.0	13.4#
80	8.6	9.5	14.3#



#70
 Phenanthrene
 Concen: 52.73 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.2	12.2	18.2

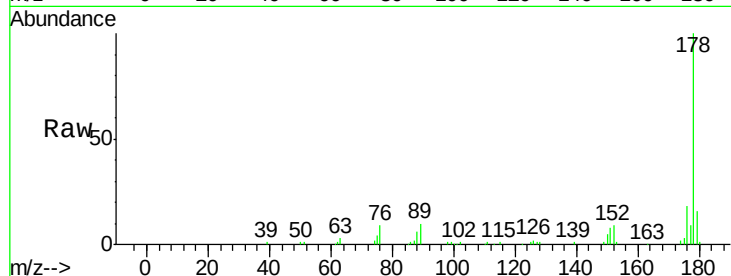




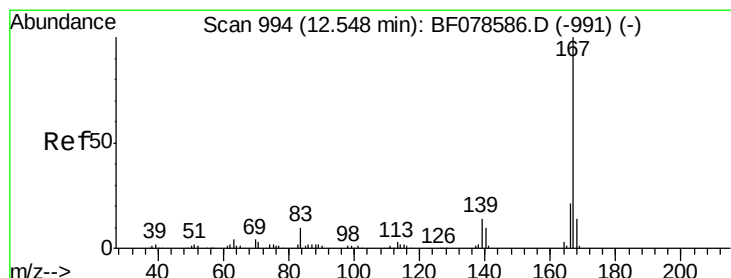
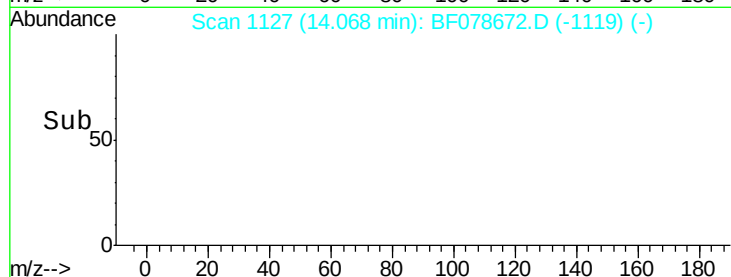
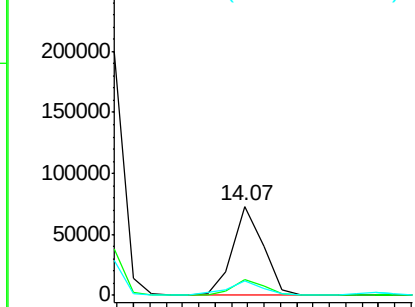
#71
 Anthracene
 Concen: 13.53 ng
 RT: 14.07 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

Tgt Ion:178 Resp: 93586
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.6 12.4 18.6

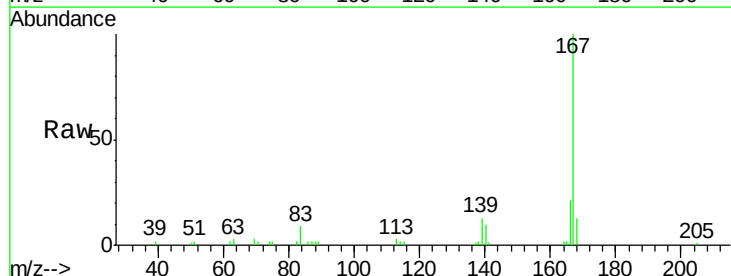


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

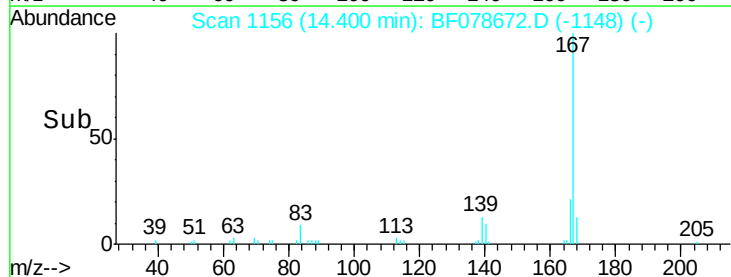
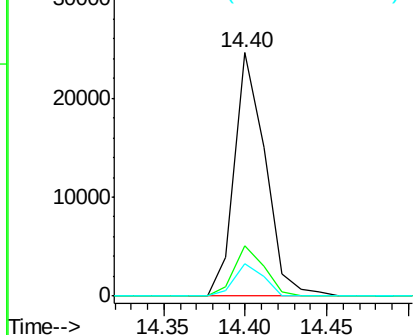


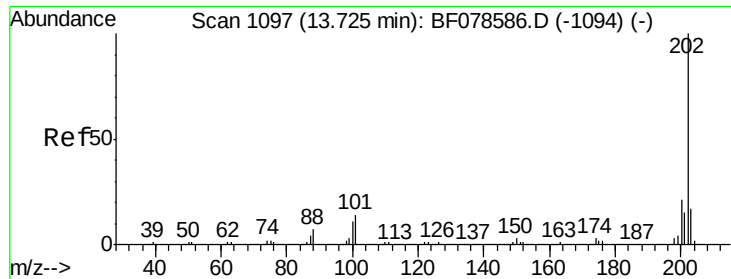
#72
 Carbazole
 Concen: 4.97 ng
 RT: 14.40 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion:167 Resp: 32179
 Ion Ratio Lower Upper
 167 100
 166 20.8 16.8 25.2
 139 13.2 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

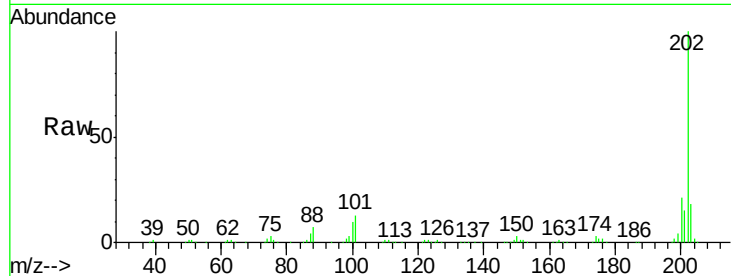




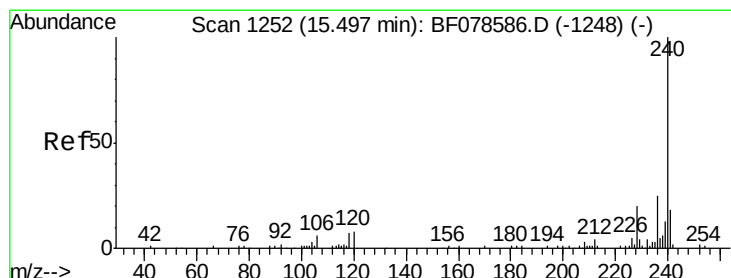
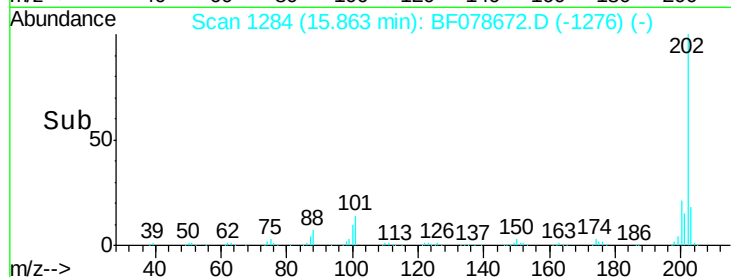
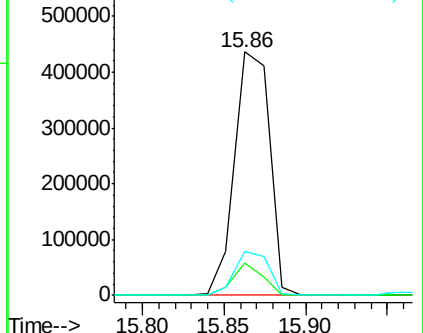
#74
 Fluoranthene
 Concen: 87.79 ng
 RT: 15.86 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	35.2
203	18.1	0.0	38.5

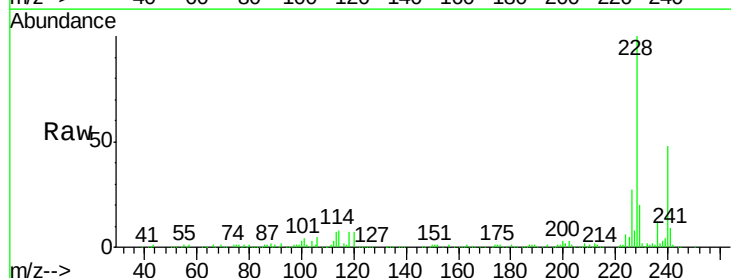


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

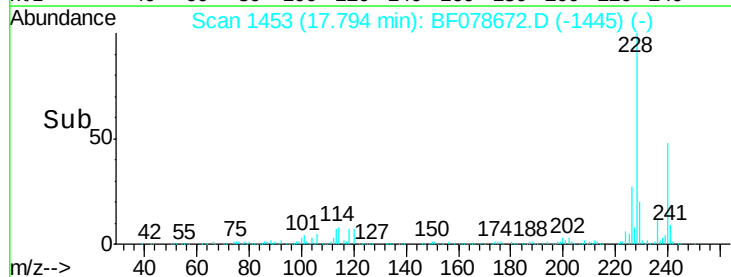
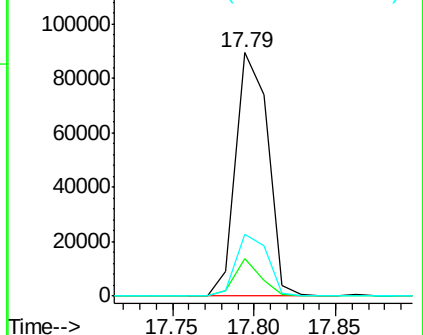


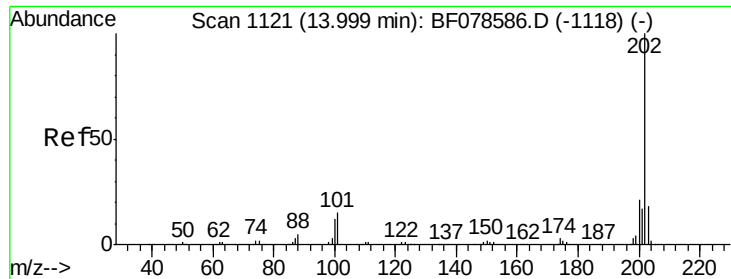
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.79 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	7.1	10.7#
236	25.5	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

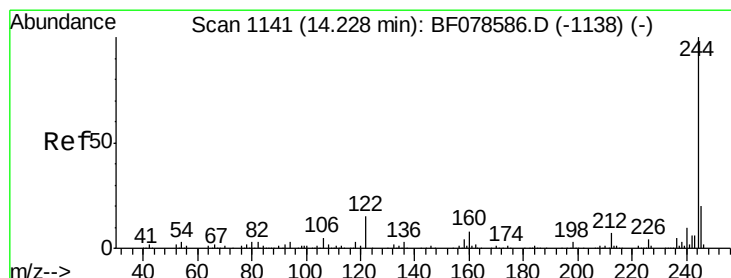
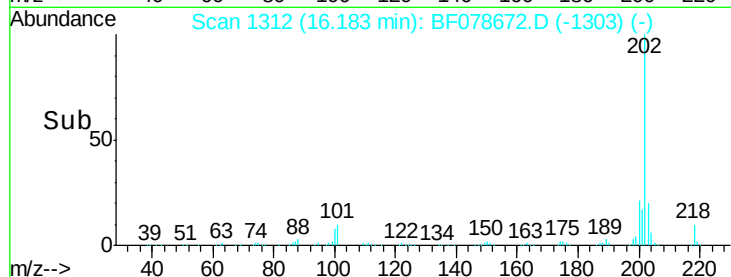
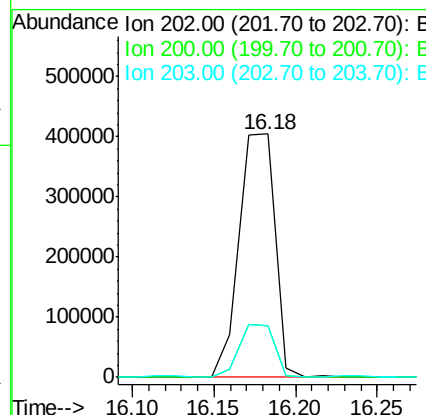
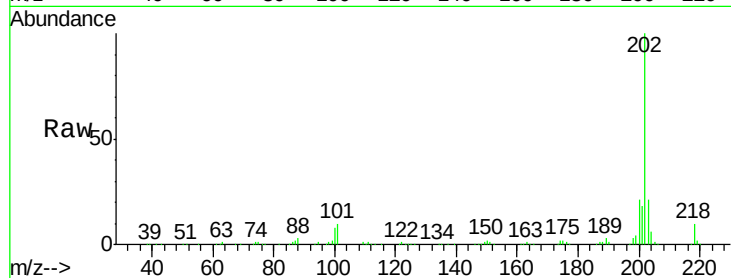




#77
 Pyrene
 Concen: 80.50 ng
 RT: 16.18 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

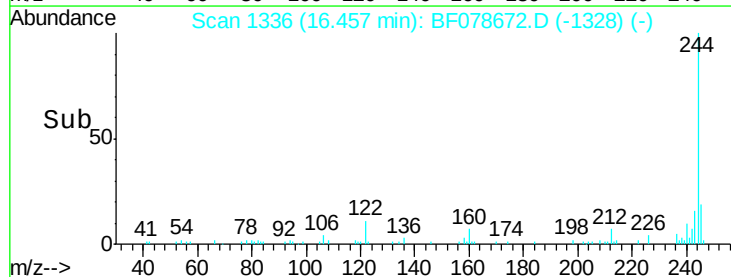
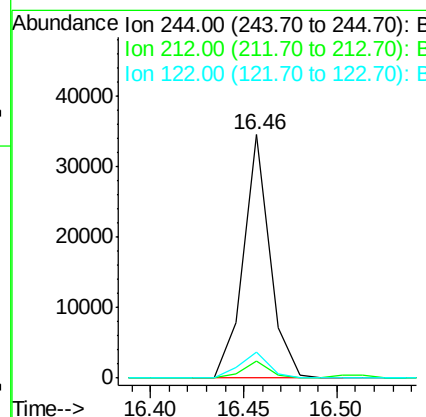
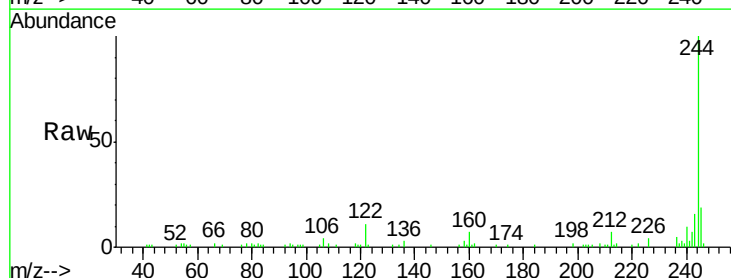
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

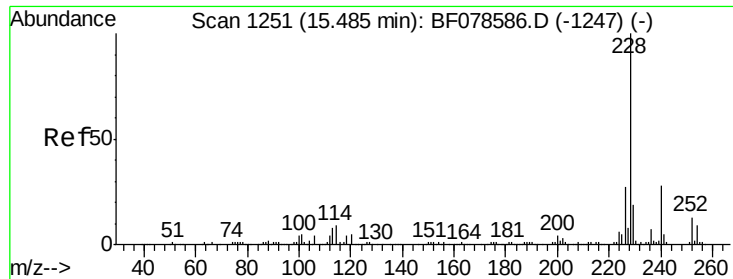
Tgt Ion: 202 Resp: 616988
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.3 24.5
 203 20.9 13.8 20.6#



#78
 Terphenyl-d14
 Concen: 6.33 ng
 RT: 16.46 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion: 244 Resp: 34213
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 10.7 7.1 10.7





#80

Benzo(a)anthracene

Concen: 41.60 ng

RT: 17.78 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampleId :

SP-B-3

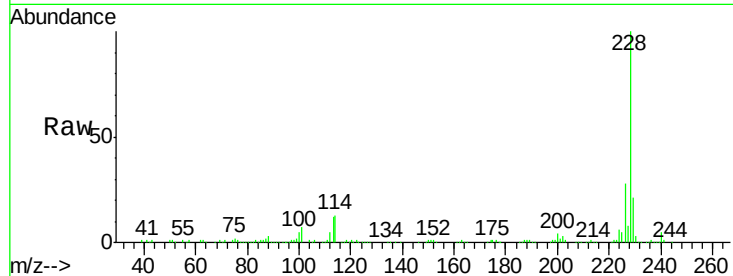
Tgt Ion:228 Resp: 302214

Ion Ratio Lower Upper

228 100

226 28.3 21.3 31.9

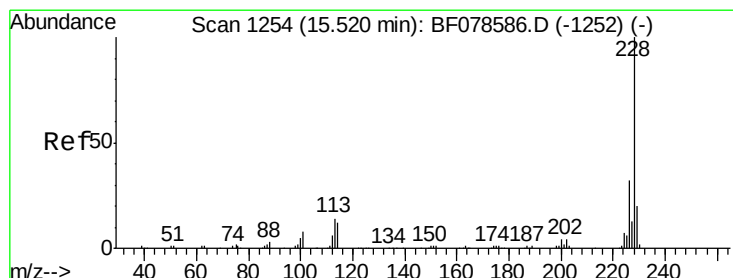
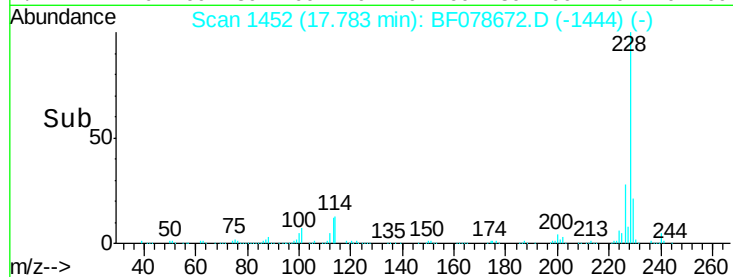
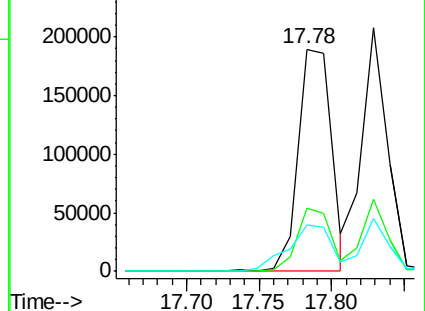
229 21.2 15.4 23.2



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: 37.12 ng

RT: 17.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

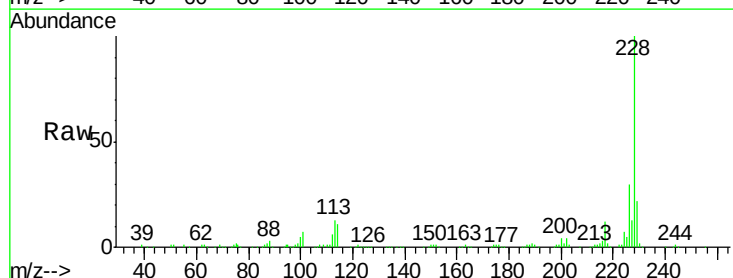
Tgt Ion:228 Resp: 253331

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

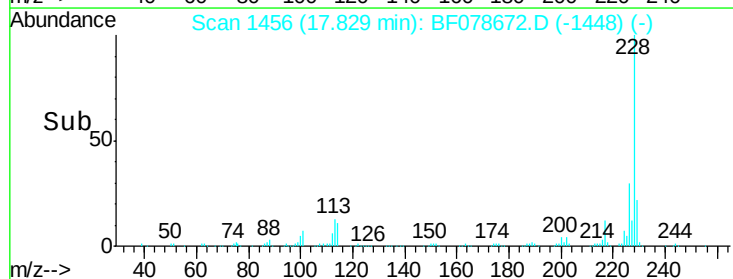
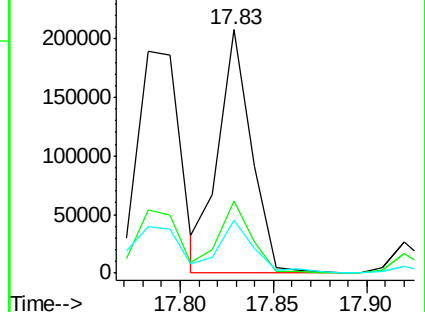
229 21.7 15.8 23.8

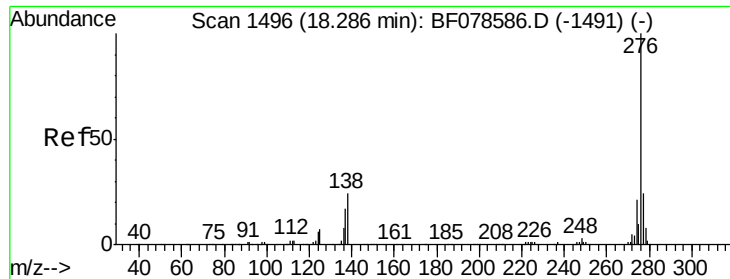


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.26 ng

RT: 20.54 min Scan# 1693

Delta R.T. -0.18 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampled :

SP-B-3

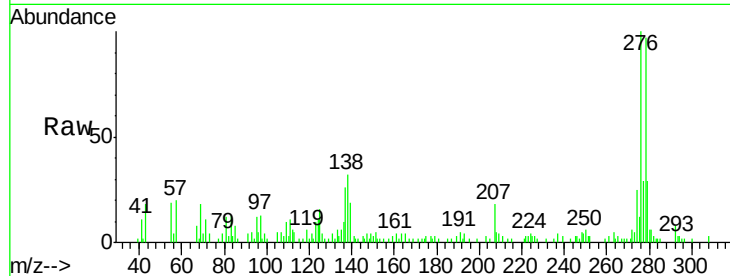
Tgt Ion:276 Resp: 32974

Ion Ratio Lower Upper

276 100

138 23.6 16.9 25.3

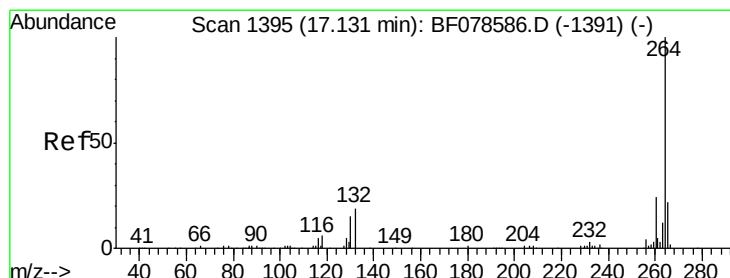
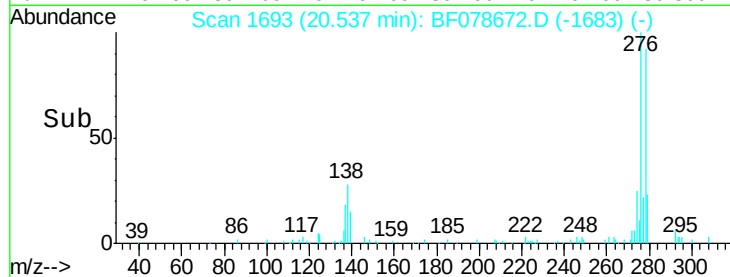
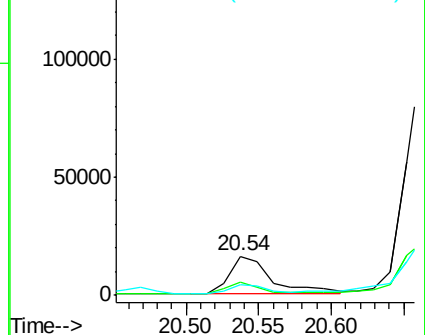
277 22.3 15.8 23.6



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: 19.50 min Scan# 1602

Delta R.T. -0.03 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

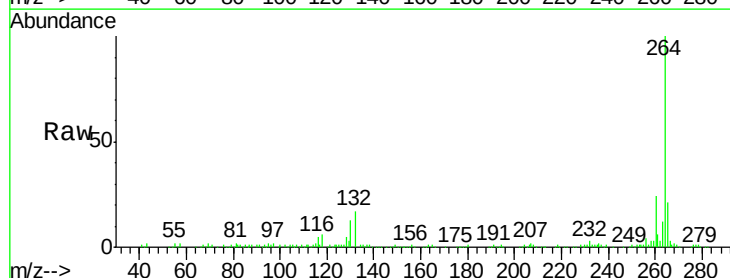
Tgt Ion:264 Resp: 124645

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

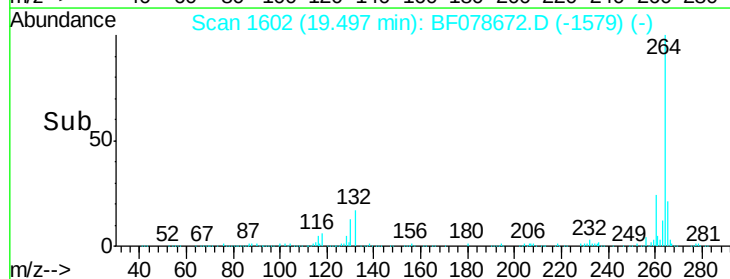
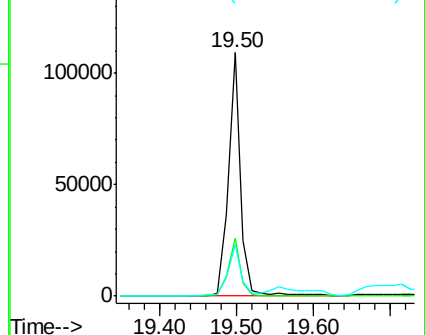
265 21.2 17.0 25.6

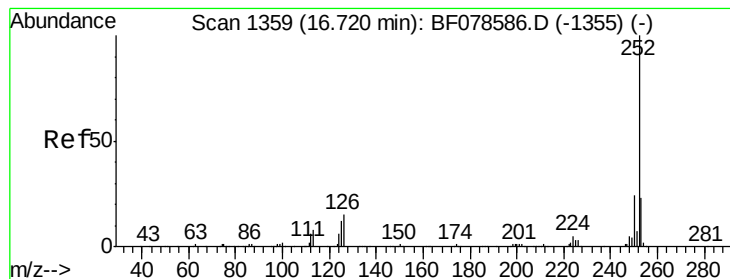


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 59.49 ng

RT: 19.07 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampleId :

SP-B-3

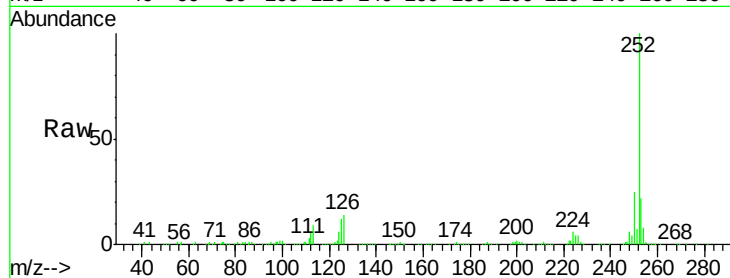
Tgt Ion:252 Resp: 458270

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

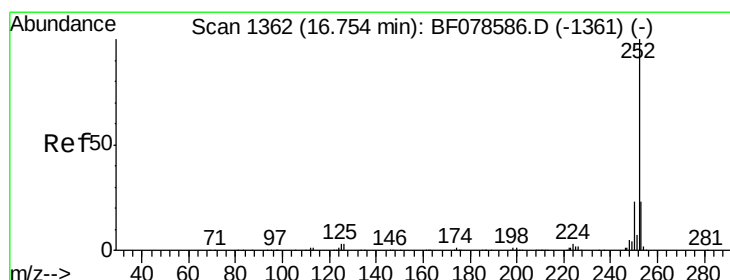
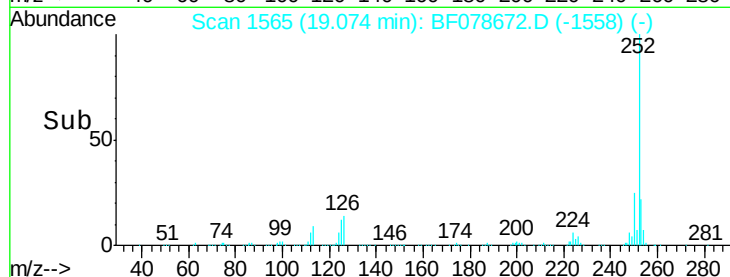
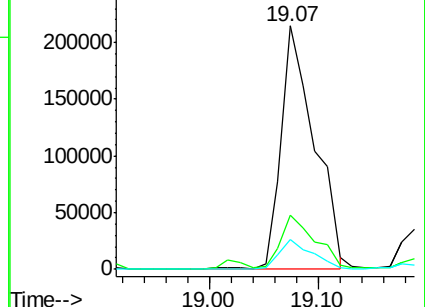
125 12.0 7.0 10.4#



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: 66.00 ng

RT: 19.07 min Scan# 1565

Delta R.T. -0.06 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

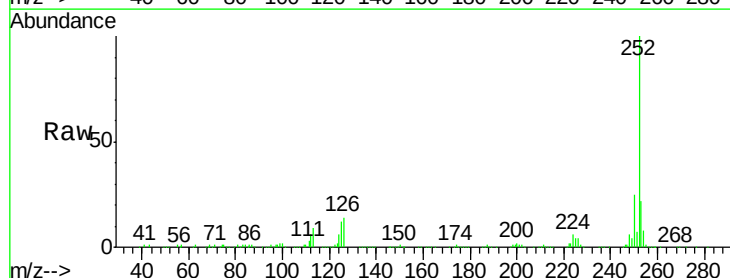
Tgt Ion:252 Resp: 451836

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

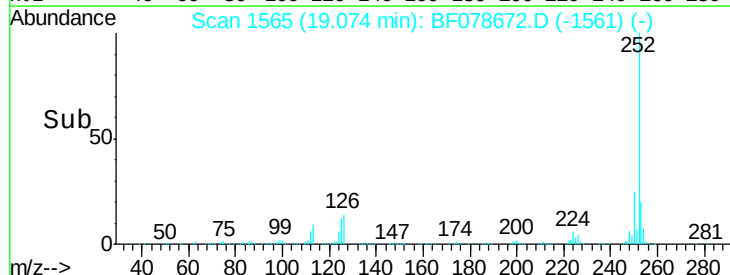
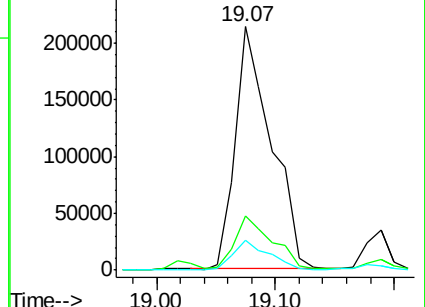
125 12.0 11.6 17.4

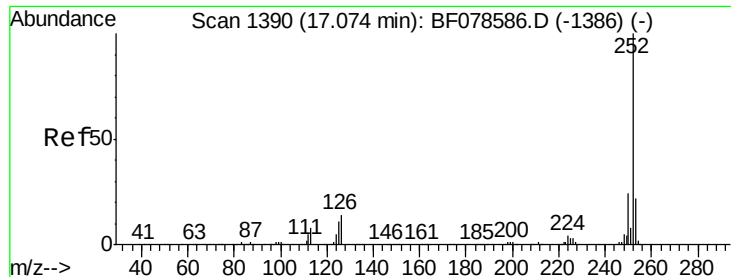


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 34.64 ng

RT: 19.44 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

ClientSampled :

SP-B-3

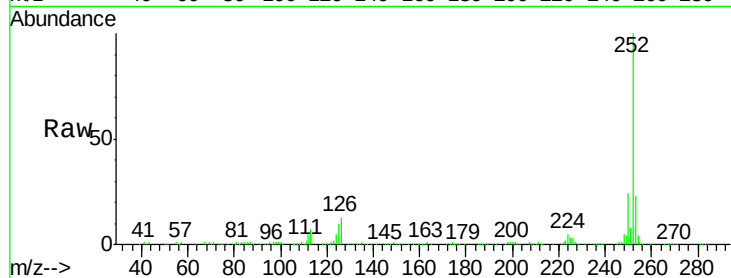
Tgt Ion: 252 Resp: 232879

Ion Ratio Lower Upper

252 100

253 23.3 16.8 25.2

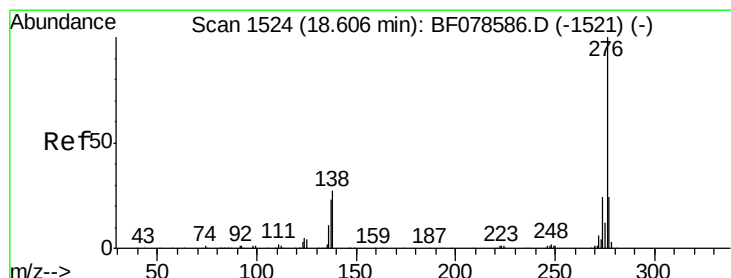
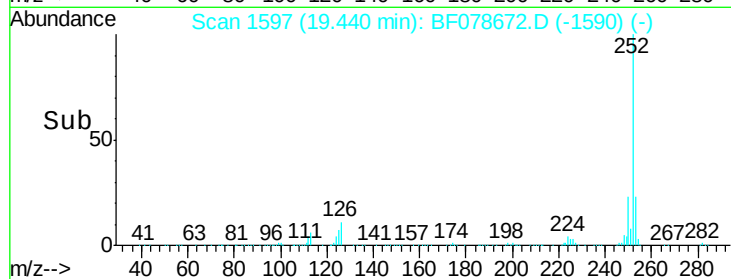
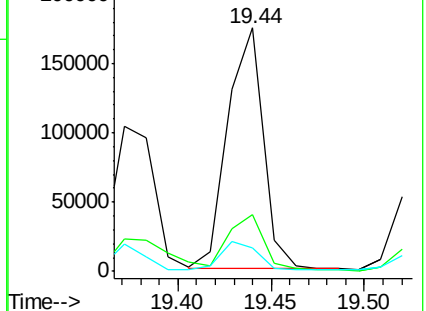
125 9.7 7.4 11.0



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: 22.18 ng

RT: 20.98 min Scan# 1732

Delta R.T. -0.06 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

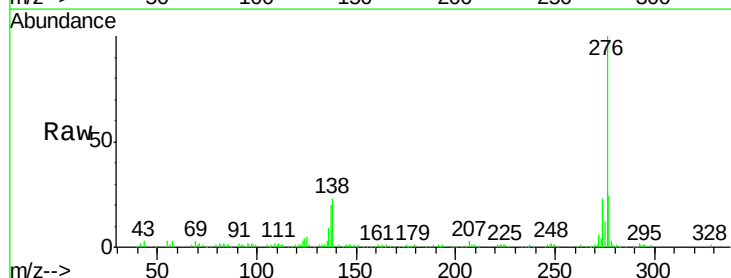
Tgt Ion: 276 Resp: 149661

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 22.8 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

