

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078749.D
 Acq On : 23 Apr 2015 15:26
 Operator : TP/IZ
 Sample : G1938-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Quant Time: Apr 24 01:13:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 00:49:54 2015
 Response via : Initial Calibration

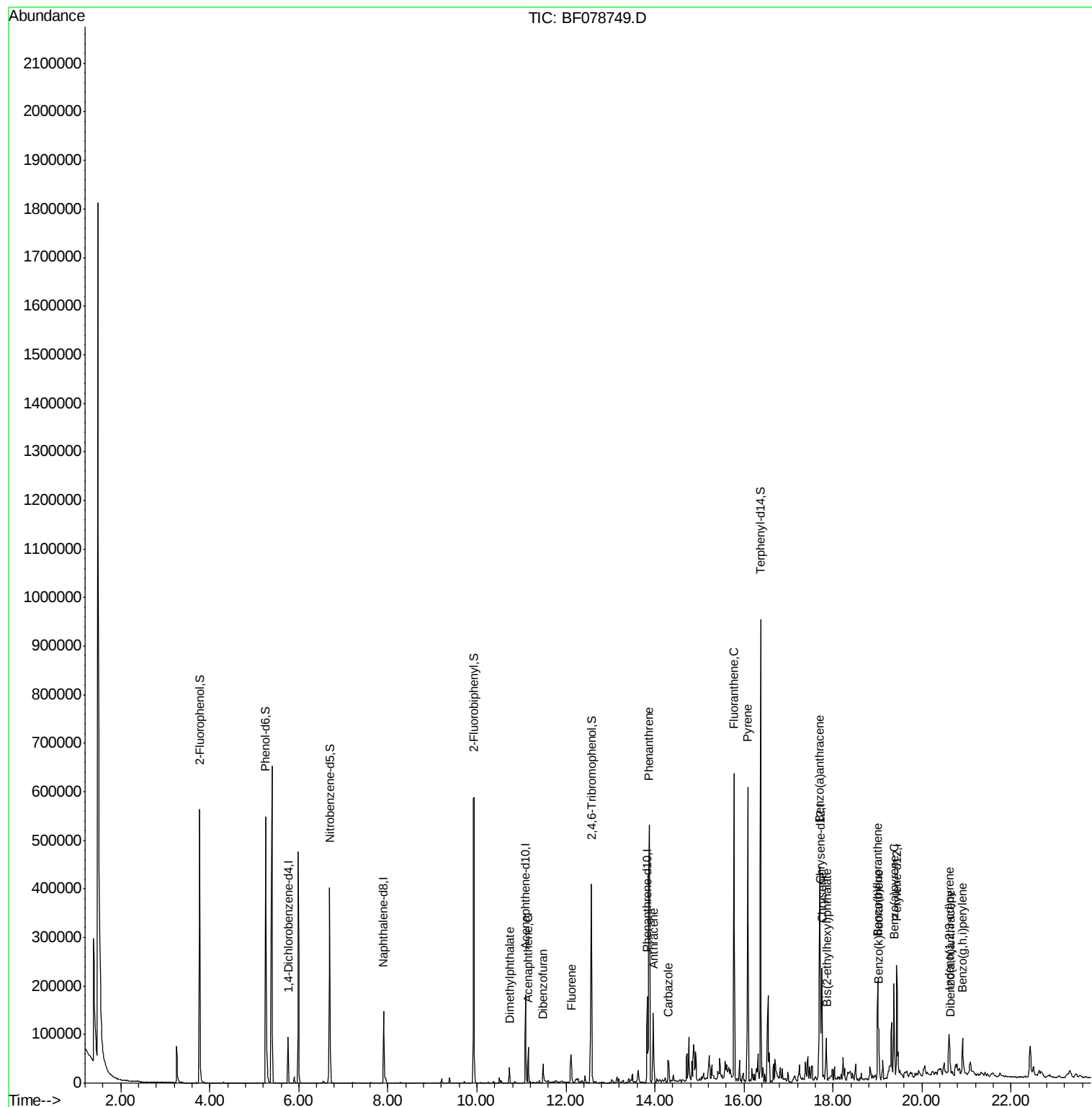
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	24619	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	102331	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	52068	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	105387	20.00	ng	0.00
75) Chrysene-d12	17.71	240	118840	20.00	ng	0.00
86) Perylene-d12	19.43	264	122476	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	224309	150.22	ng	0.00
7) Phenol-d6	5.26	99	292846	156.49	ng	0.00
23) Nitrobenzene-d5	6.70	82	176241	104.39	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	79020	182.99	ng	0.00
44) 2-Fluorobiphenyl	9.93	172	331501	91.01	ng	0.00
78) Terphenyl-d14	16.38	244	371092	70.56	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.73	163	19048	4.87	ng	# 99
51) Acenaphthene	11.15	154	23590	7.74	ng	98
54) Dibenzofuran	11.48	168	18073	3.88	ng	99
57) Fluorene	12.11	166	25214	6.68	ng	99
70) Phenanthrene	13.87	178	320078	52.51	ng	100
71) Anthracene	13.97	178	89474	14.89	ng	99
72) Carbazole	14.31	167	32054	5.69	ng	98
74) Fluoranthene	15.77	202	308053	47.92	ng	95
77) Pyrene	16.08	202	274989	36.86	ng	# 94
80) Benzo(a)anthracene	17.70	228	145849	20.63	ng	98
82) Chrysene	17.75	228	104893	15.79	ng	95
83) Bis(2-ethylhexyl)phthalate	17.85	149	25220	5.66	ng	98
85) Indeno(1,2,3-cd)pyrene	20.61	276	46636m	6.19	ng	
87) Benzo(b)fluoranthene	19.01	252	117207m	15.48	ng	
88) Benzo(k)fluoranthene	19.02	252	47675m	7.09	ng	
89) Benzo(a)pyrene	19.37	252	94104	14.25	ng	# 95
90) Dibenzo(a,h)anthracene	20.63	278	13394m	2.03	ng	
91) Benzo(g,h,i)perylene	20.91	276	43240	6.52	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 400

Delta R.T. 0.01 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

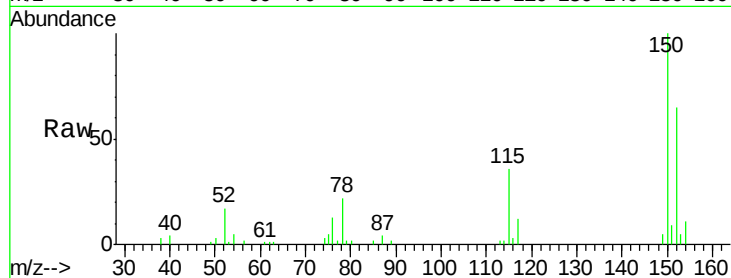
Tot Ion:152 Resp: 24619

Ion Ratio Lower Upper

152 100

150 153.2 125.9 188.9

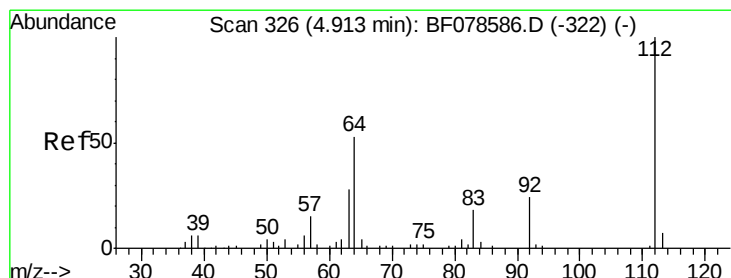
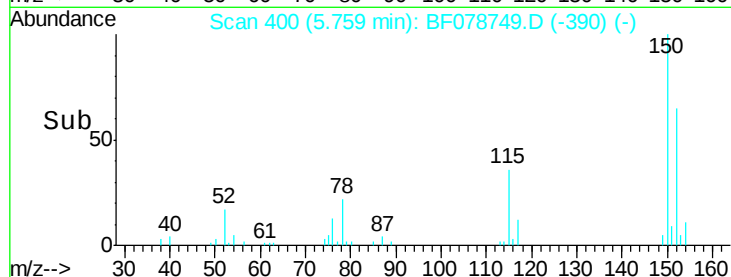
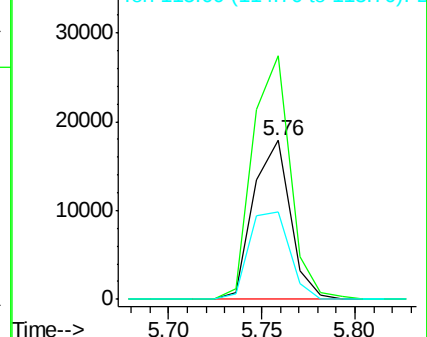
115 55.1 52.7 79.1



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



#5

2-Fluorophenol

Concen: 150.22 ng

RT: 3.77 min Scan# 226

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

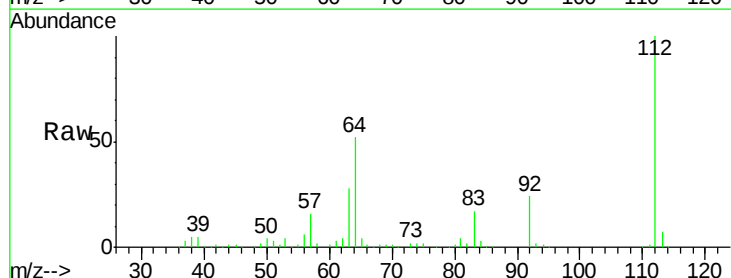
Tgt Ion:112 Resp: 224309

Ion Ratio Lower Upper

112 100

64 52.1 39.9 59.9

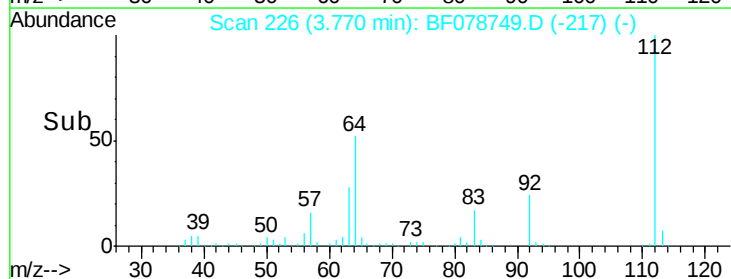
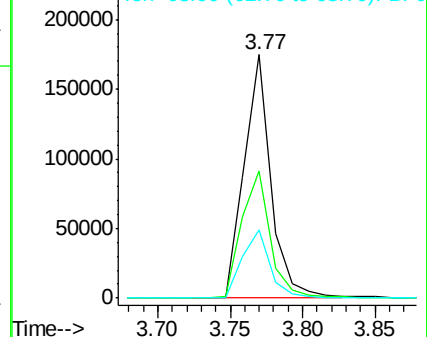
63 27.8 20.2 30.4



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: 156.49 ng

RT: 5.26 min Scan# 356

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

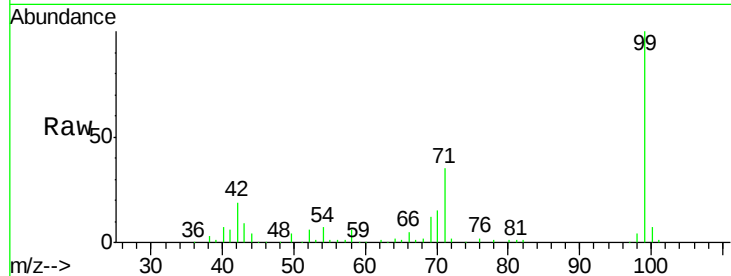
Tot Ion: 99 Resp: 292846

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

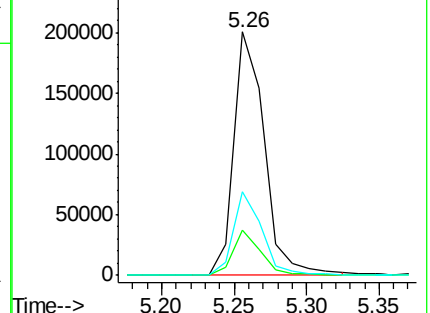
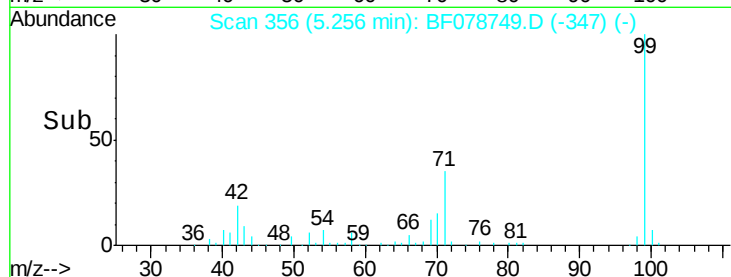
71 34.5 26.6 39.8



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: 7.91 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Tgt Ion: 136 Resp: 102331

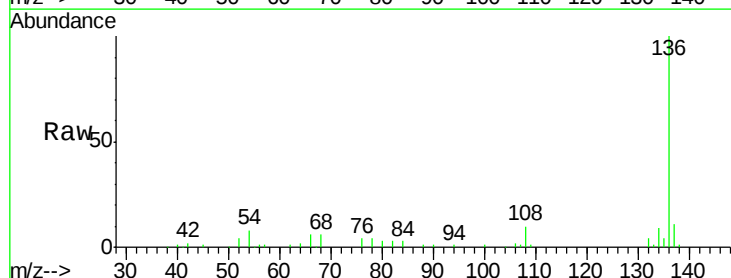
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 8.0 7.0 10.6

68 6.2 5.4 8.2

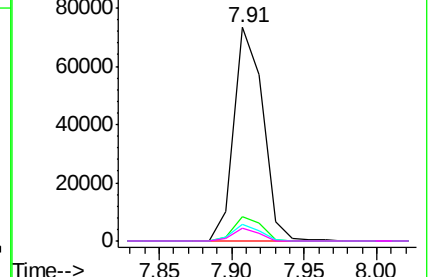
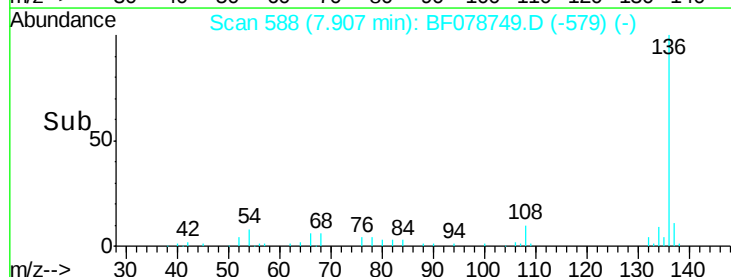


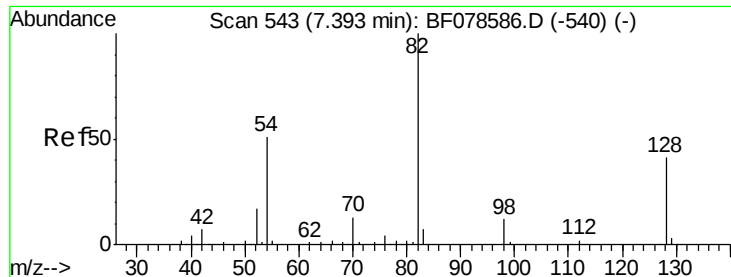
Abundance Ion 136.00 (135.70 to 136.70): E

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

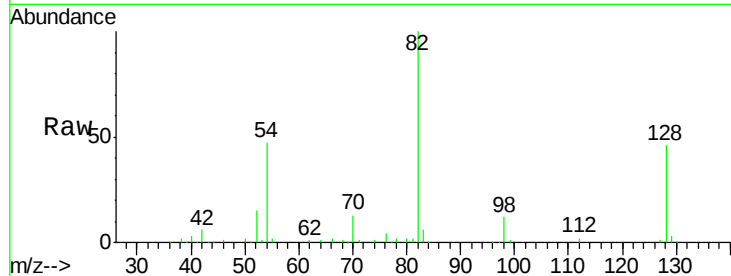




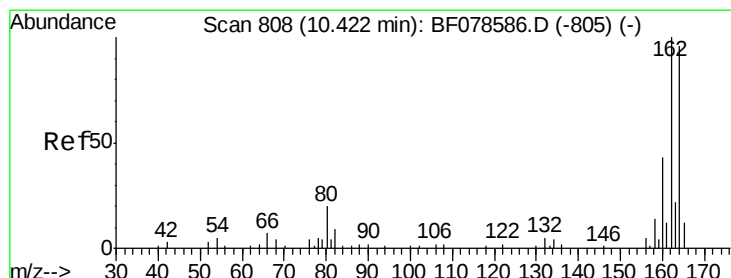
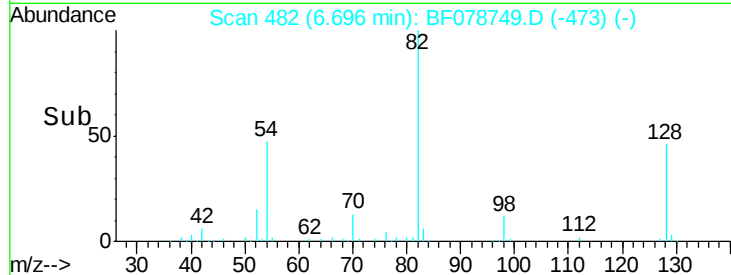
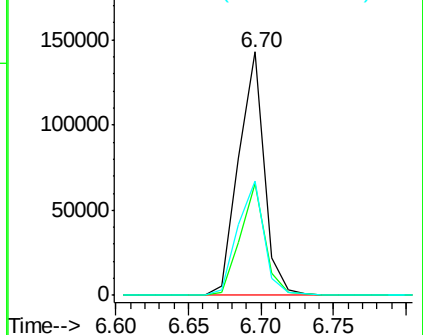
#23
 Nitrobenzene-d5
 Concen: 104.39 ng
 RT: 6.70 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Tot Ion: 82 Resp: 176241
 Ion Ratio Lower Upper
 82 100
 128 45.9 31.8 47.8
 54 47.0 41.5 62.3

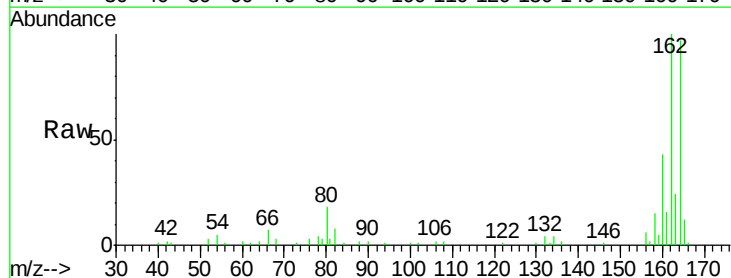


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

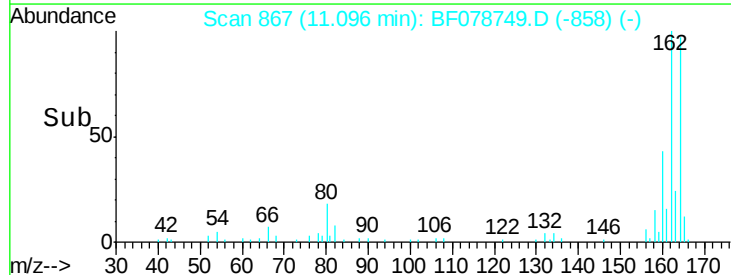
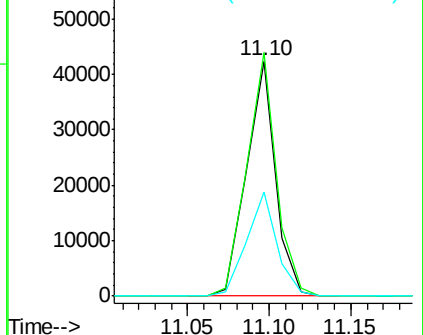


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion:164 Resp: 52068
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.2 123.2
 160 44.2 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

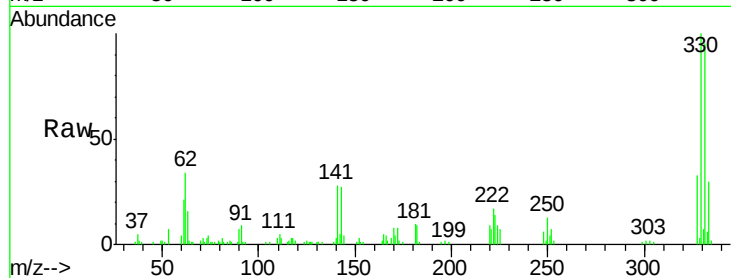




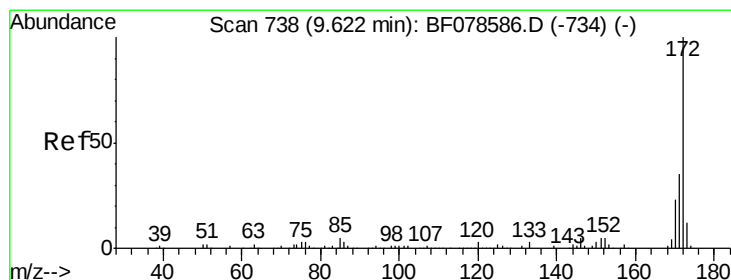
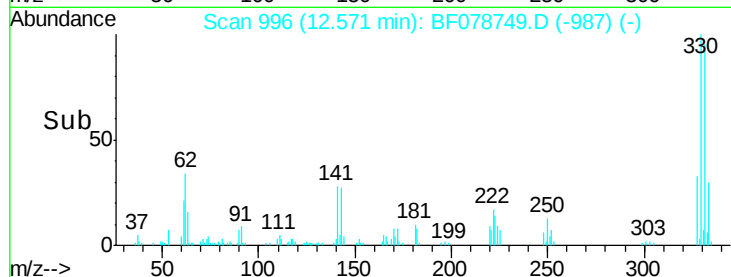
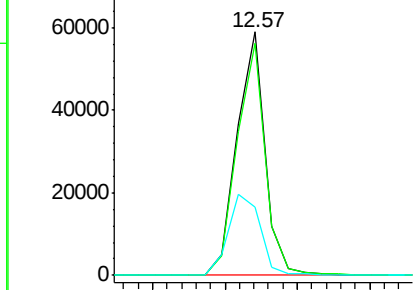
#41
 2,4,6-Tribromophenol
 Concen: 182.99 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.6	117.8
141	38.4	31.2	46.8

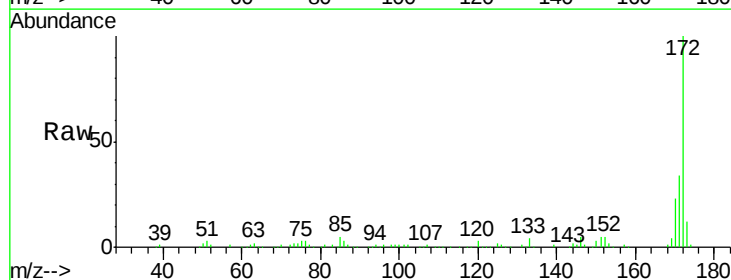


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

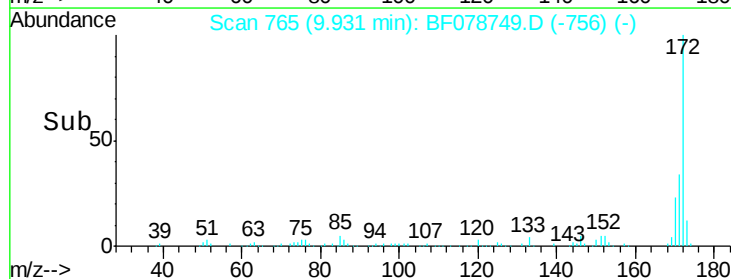
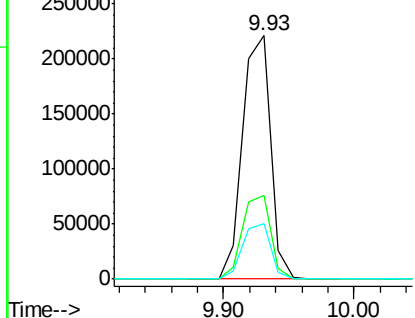


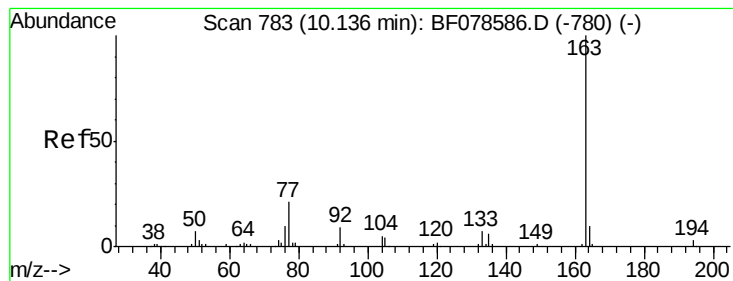
#44
 2-Fluorobiphenyl
 Concen: 91.01 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	42.8
170	23.0	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: 4.87 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

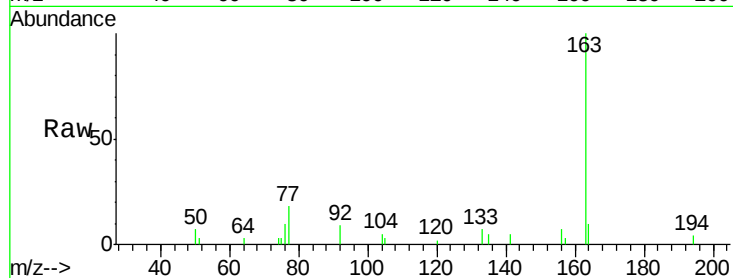
Tot Ion:163 Resp: 19048

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

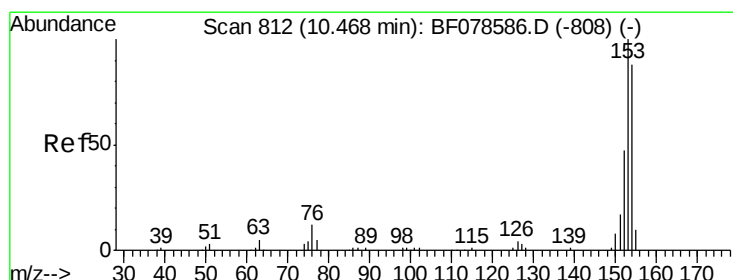
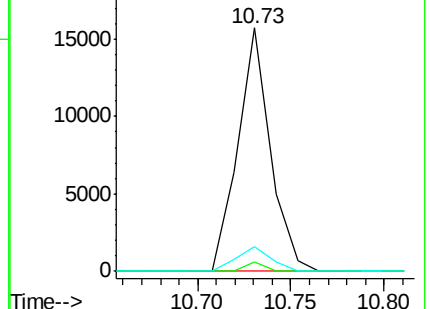
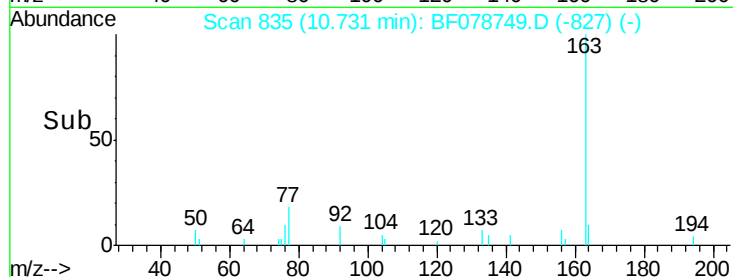
164 10.4 8.6 13.0



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



#51

Acenaphthene

Concen: 7.74 ng

RT: 11.15 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

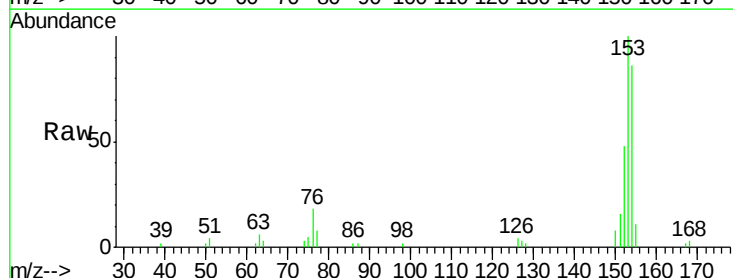
Tgt Ion:154 Resp: 23590

Ion Ratio Lower Upper

154 100

153 116.3 91.4 137.2

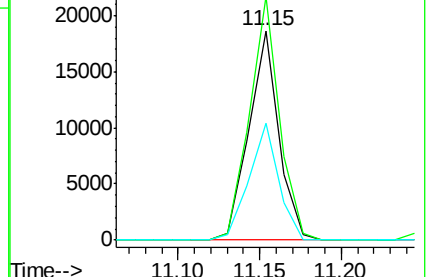
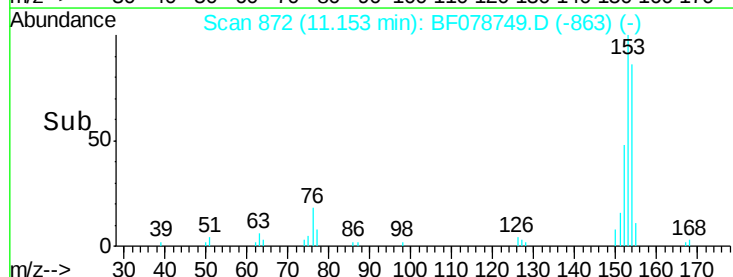
152 55.9 43.0 64.6

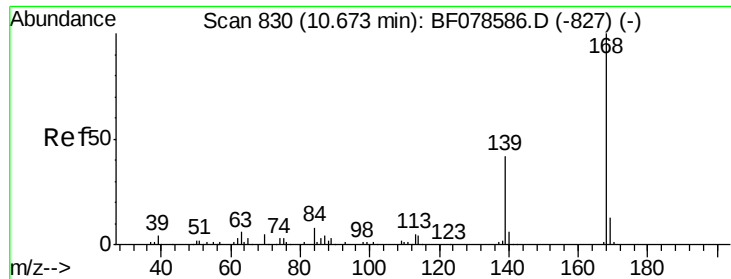


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

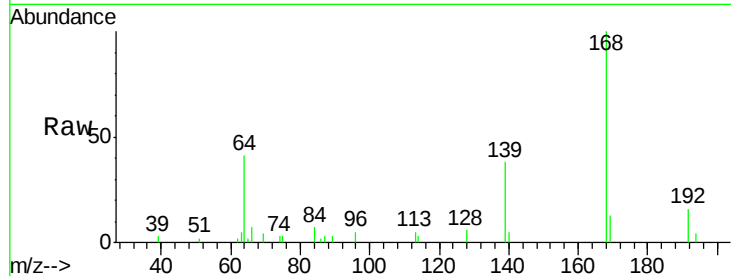




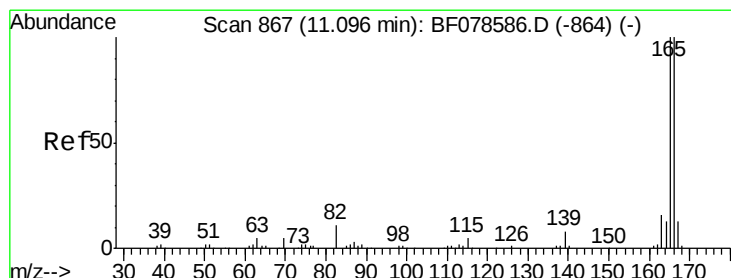
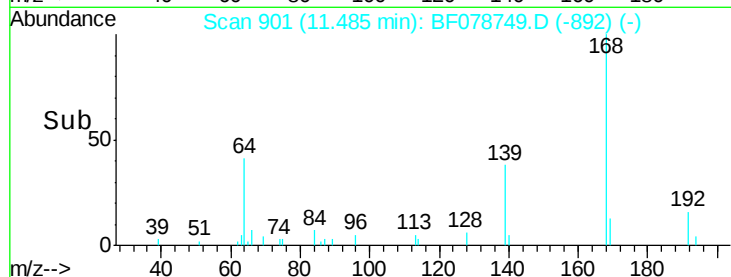
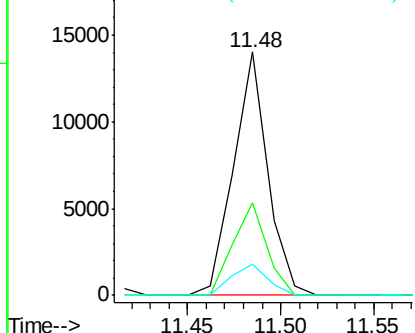
#54
Dibenzenofuran
Concen: 3.88 ng
RT: 11.48 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Instrument :
BNA_F
ClientSampleId :
SB-79D

Tot Ion:168 Resp: 18073
Ion Ratio Lower Upper
168 100
139 38.3 31.0 46.4
169 12.8 10.7 16.1

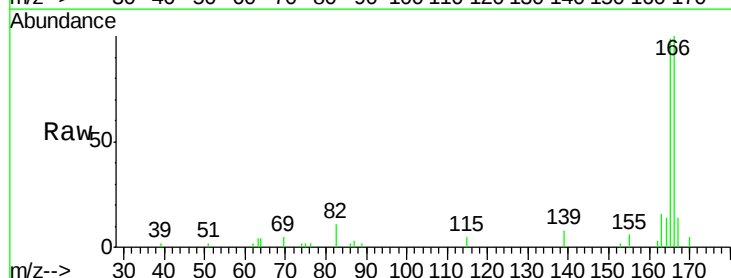


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

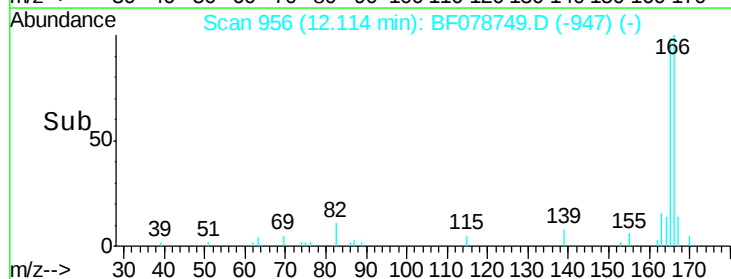
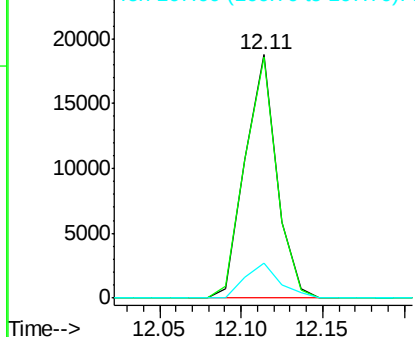


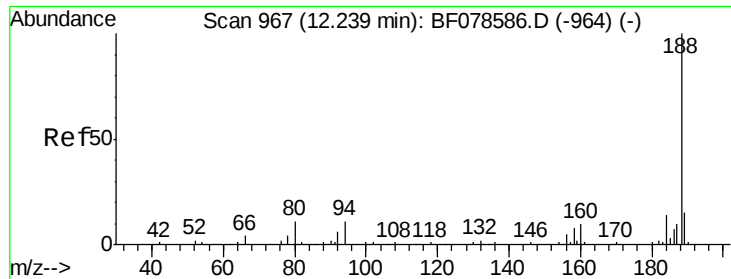
#57
Fluorene
Concen: 6.68 ng
RT: 12.11 min Scan# 956
Delta R.T. -0.00 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:166 Resp: 25214
Ion Ratio Lower Upper
166 100
165 99.1 78.9 118.3
167 14.3 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

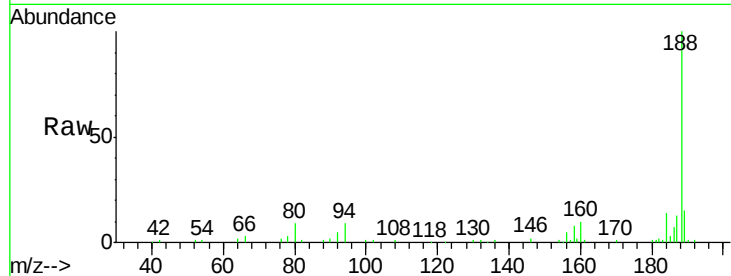




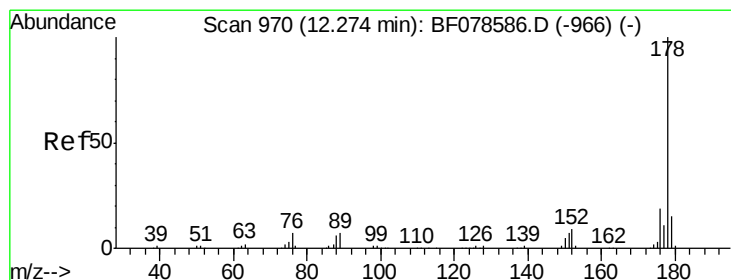
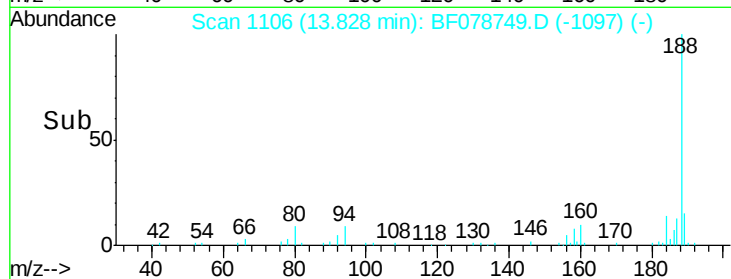
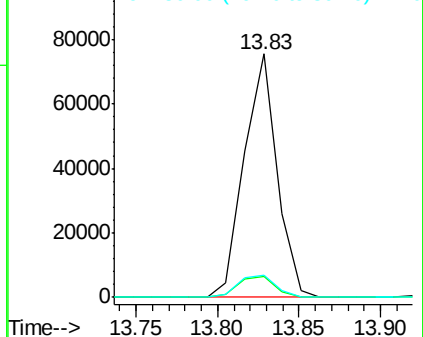
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.83 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Instrument :
BNA_F
ClientSampleId :
SB-79D

Tot Ion:188 Resp: 105387
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.4#
80 9.1 9.5 14.3#

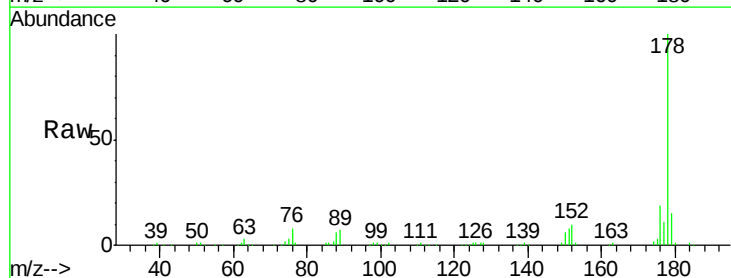


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

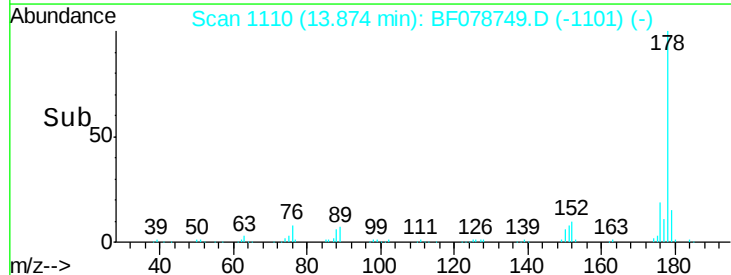
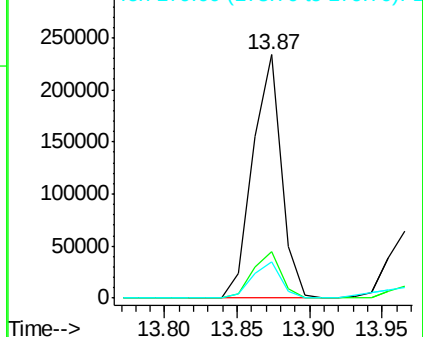


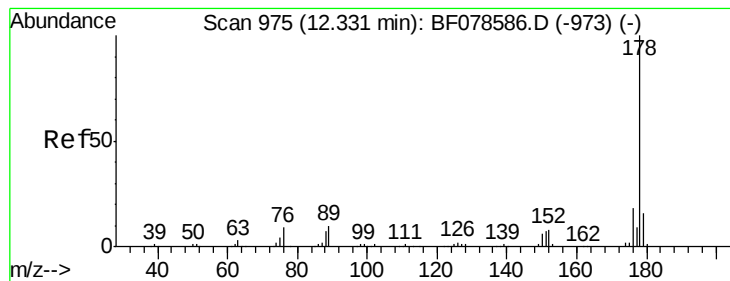
#70
Phenanthrene
Concen: 52.51 ng
RT: 13.87 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:178 Resp: 320078
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.0 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: 14.89 ng

RT: 13.97 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

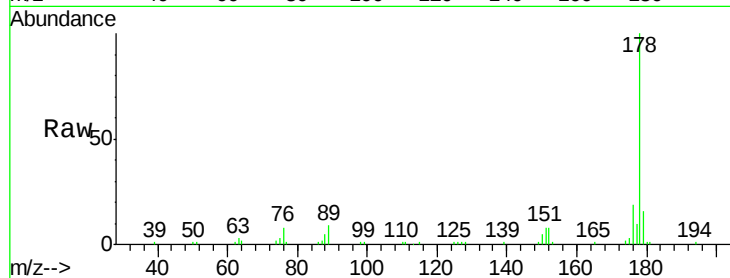
Tot Ion:178 Resp: 89474

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

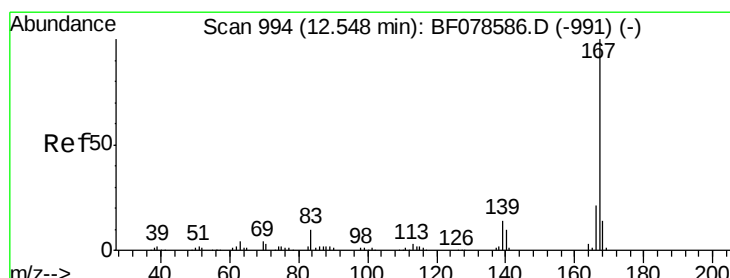
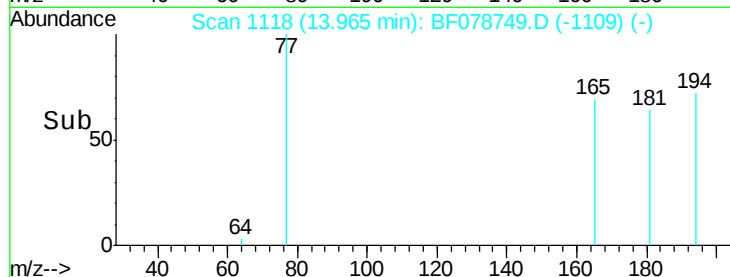
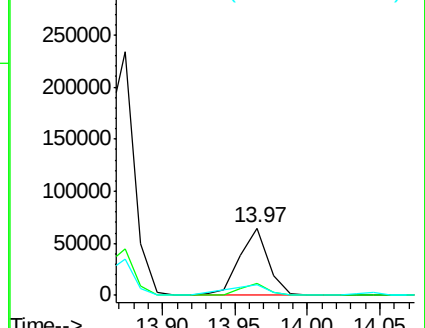
179 16.1 12.4 18.6



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: 5.69 ng

RT: 14.31 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

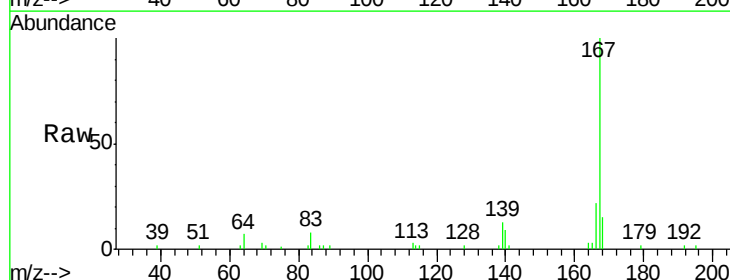
Tgt Ion:167 Resp: 32054

Ion Ratio Lower Upper

167 100

166 21.7 16.8 25.2

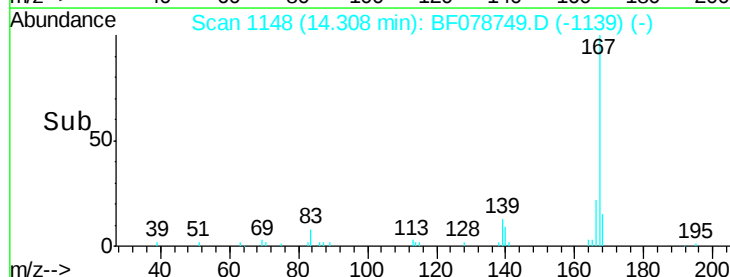
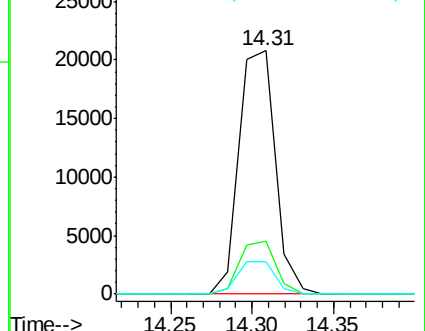
139 13.2 10.0 15.0

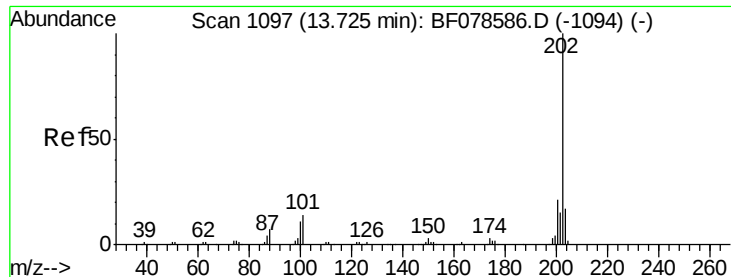


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 47.92 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

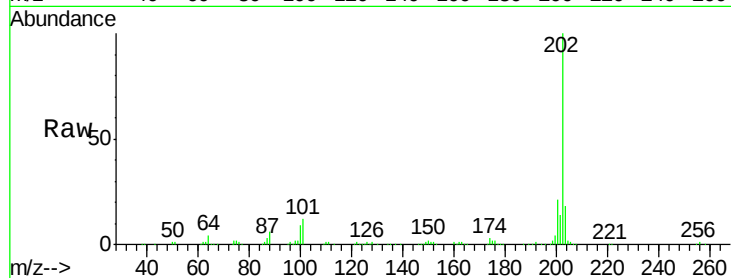
Tot Ion:202 Resp: 308053

Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.2

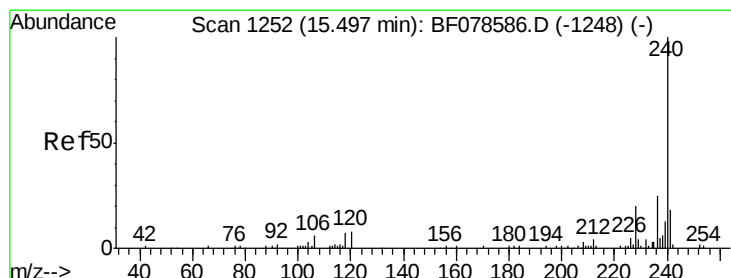
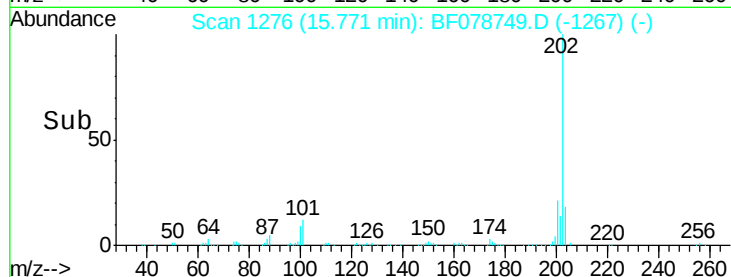
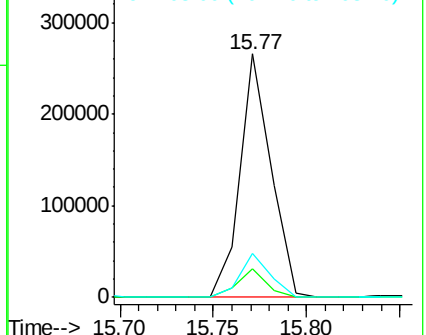
203 17.8 0.0 38.5



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: 17.71 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

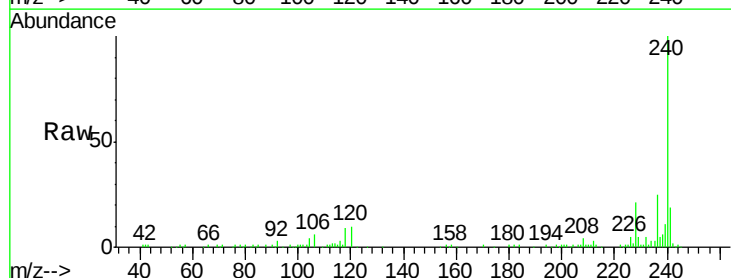
Tgt Ion:240 Resp: 118840

Ion Ratio Lower Upper

240 100

120 9.8 7.1 10.7

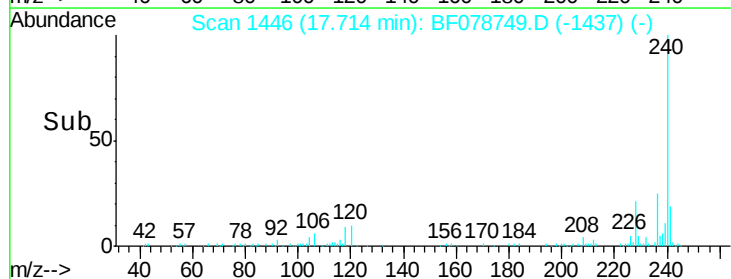
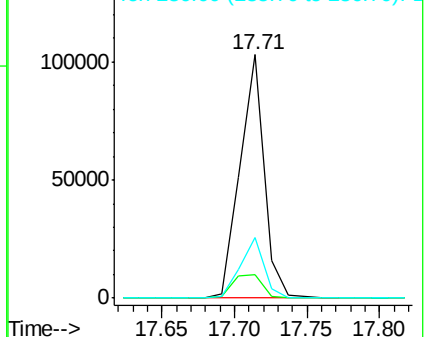
236 25.1 21.4 32.2

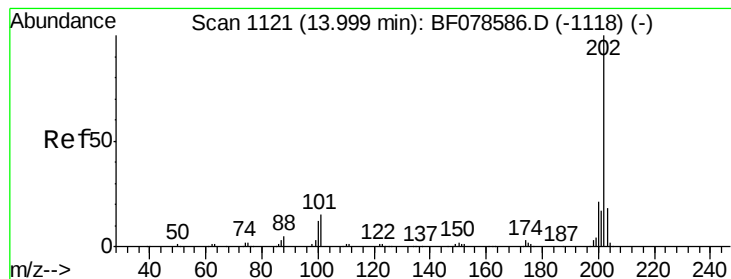


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 36.86 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

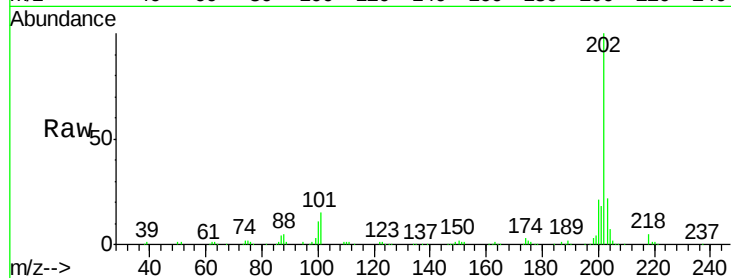
Tot Ion:202 Resp: 274989

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

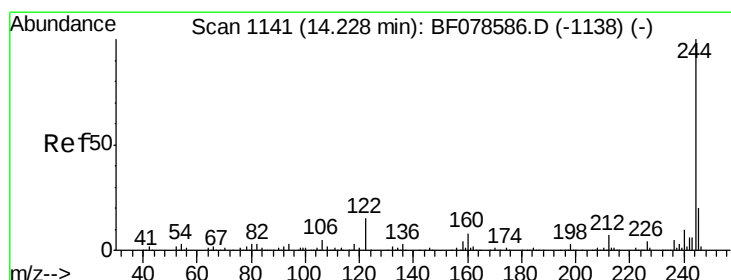
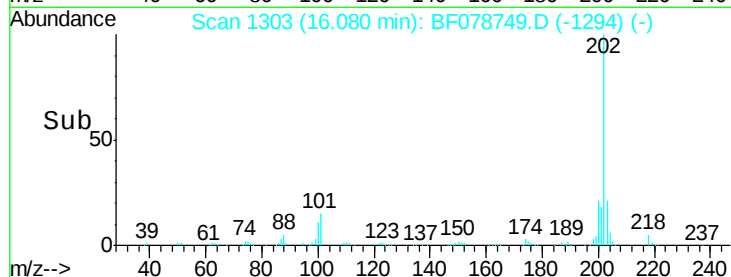
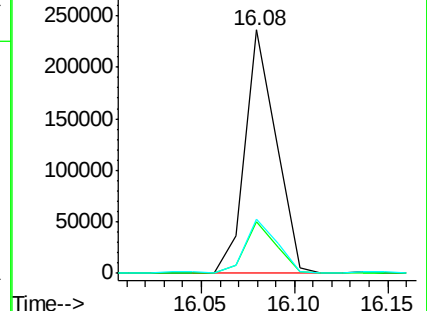
203 22.0 13.8 20.6#



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: 70.56 ng

RT: 16.38 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

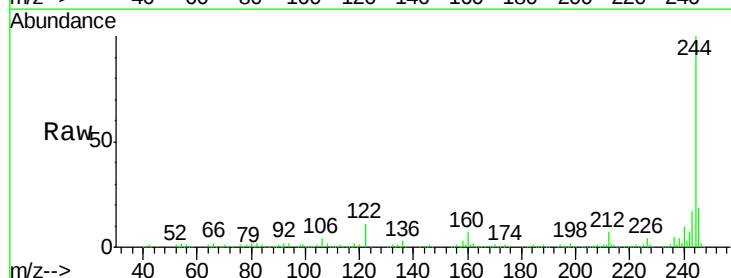
Tgt Ion:244 Resp: 371092

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

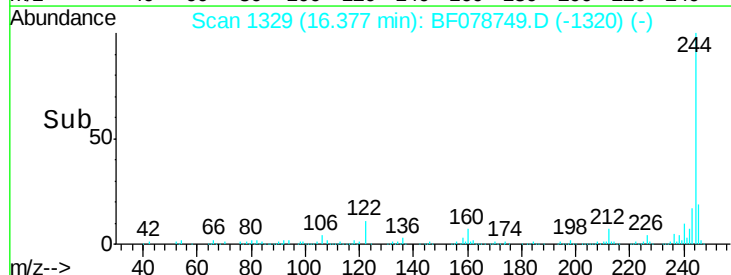
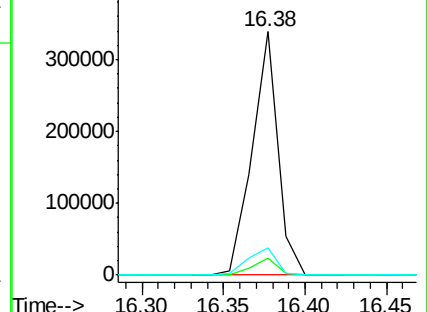
122 11.0 7.1 10.7#

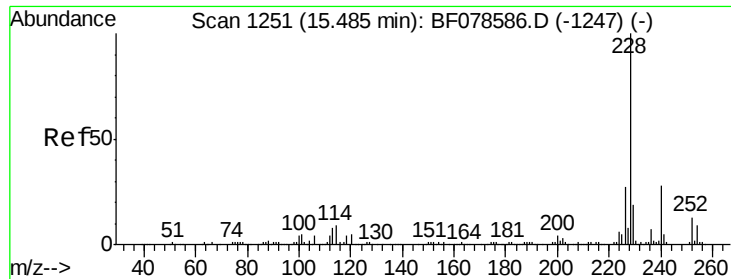


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.63 ng

RT: 17.70 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

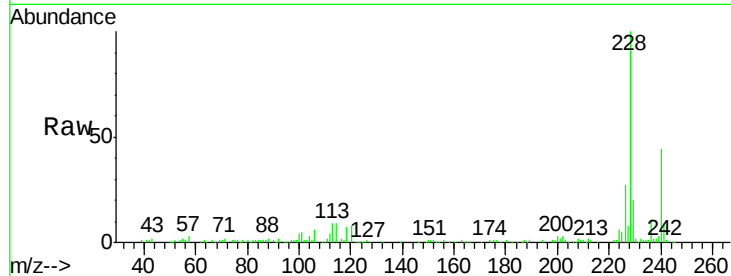
Tot Ion:228 Resp: 145849

Ion Ratio Lower Upper

228 100

226 27.5 21.3 31.9

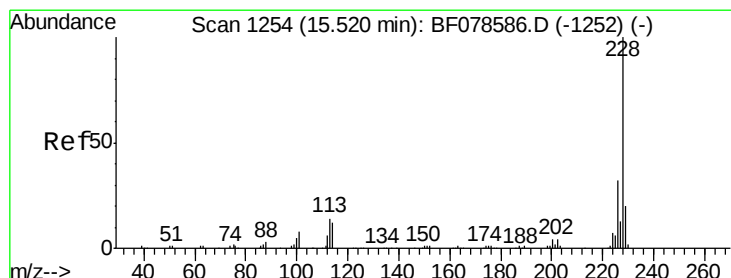
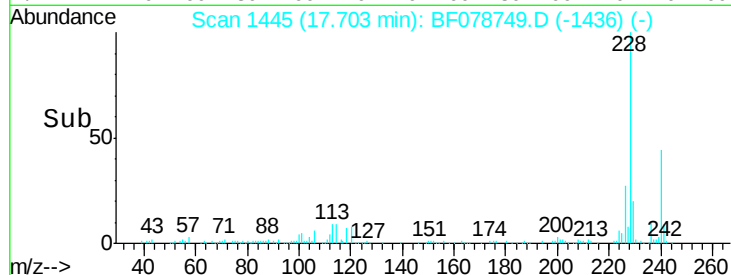
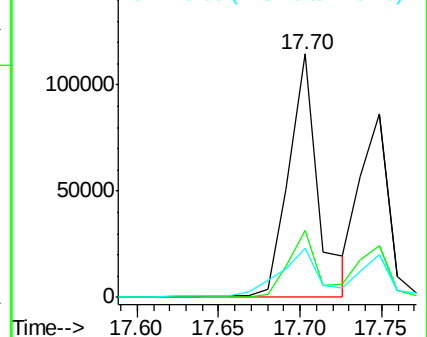
229 20.1 15.4 23.2



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: 15.79 ng

RT: 17.75 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

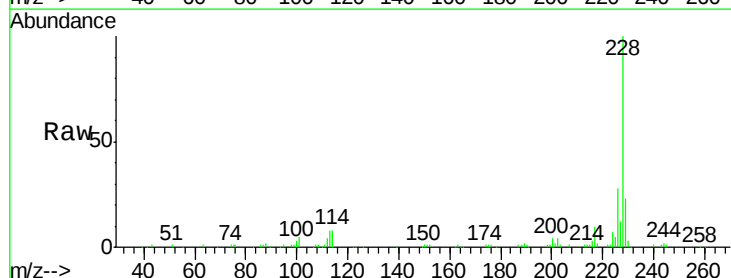
Tgt Ion:228 Resp: 104893

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.4

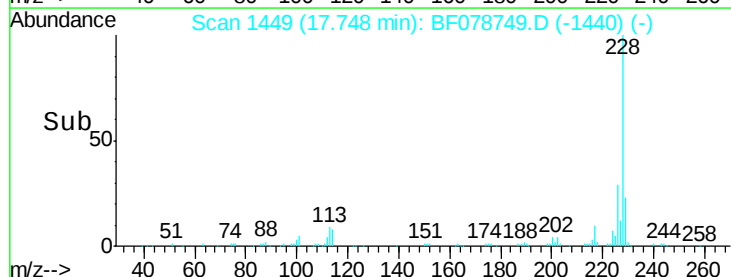
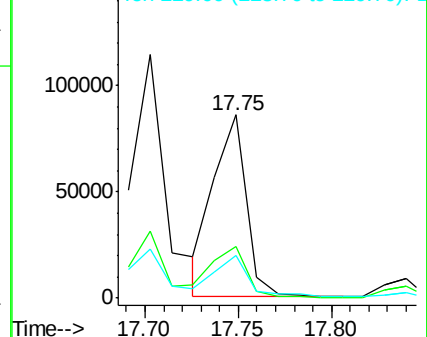
229 23.5 15.8 23.8

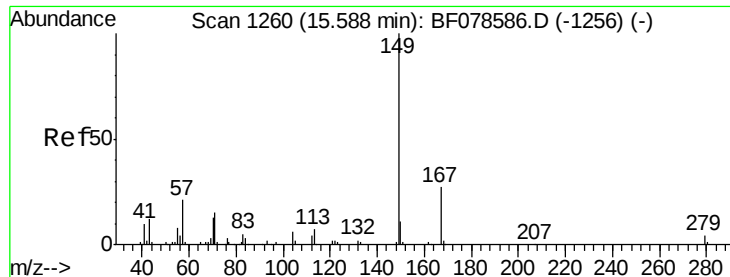


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

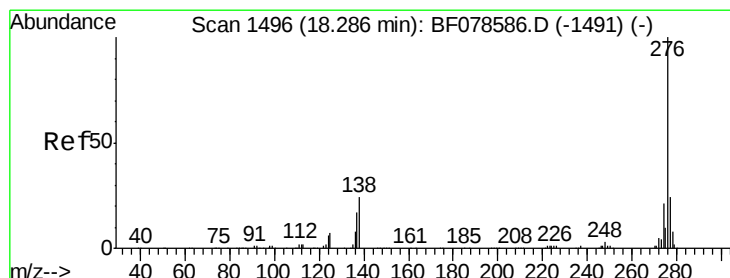
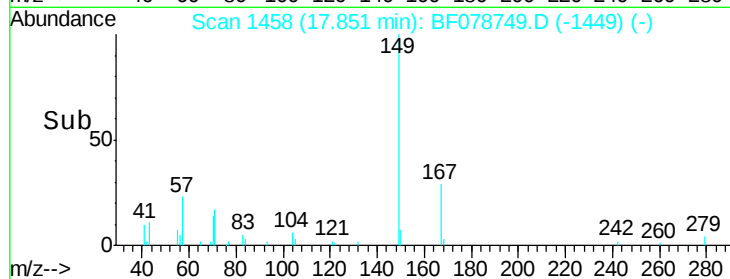
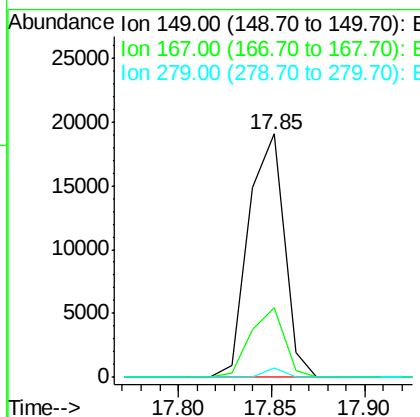
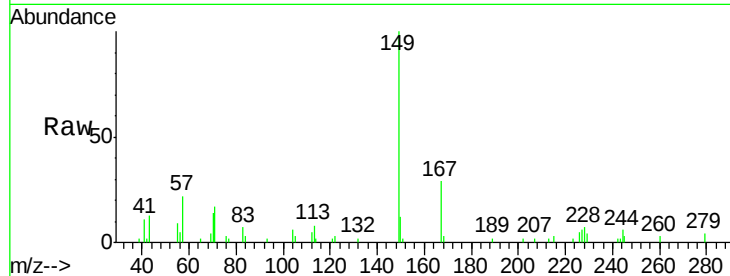




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.66 ng
 RT: 17.85 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

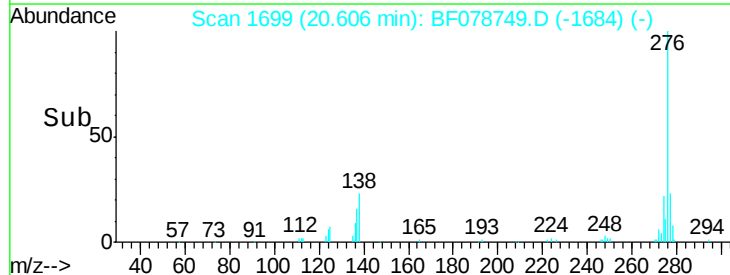
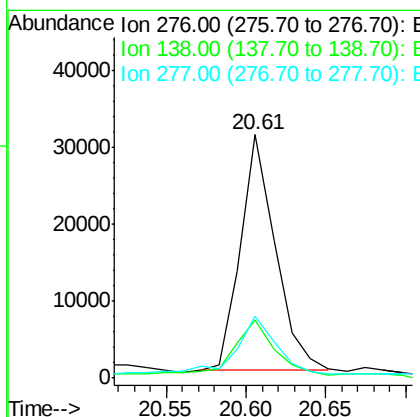
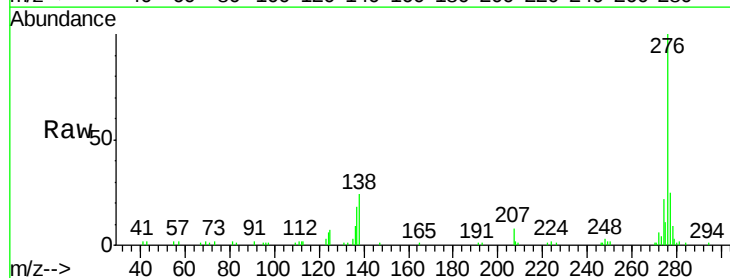
Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

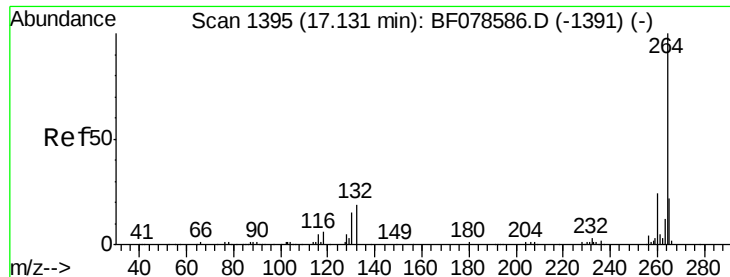
Tot Ion:149 Resp: 25220
 Ion Ratio Lower Upper
 149 100
 167 28.7 22.2 33.2
 279 4.1 3.2 4.8



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.19 ng m
 RT: 20.61 min Scan# 1699
 Delta R.T. -0.13 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion:276 Resp: 46636
 Ion Ratio Lower Upper
 276 100
 138 6.3 16.9 25.3#
 277 3.7 15.8 23.6#



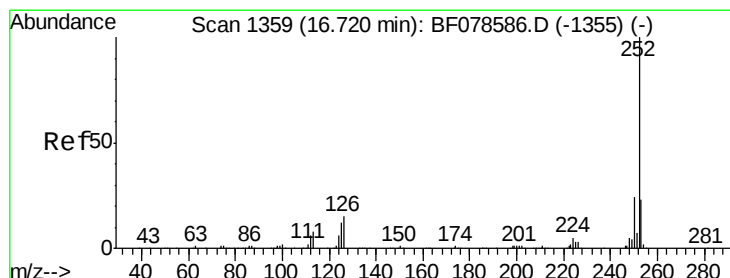
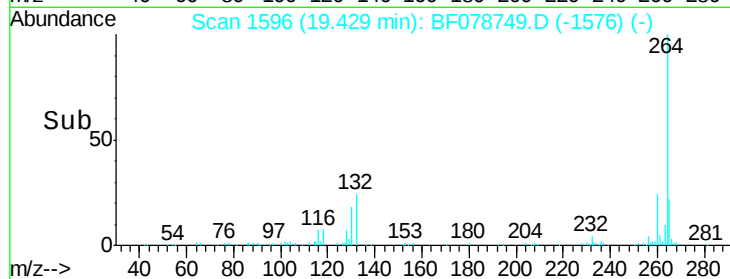
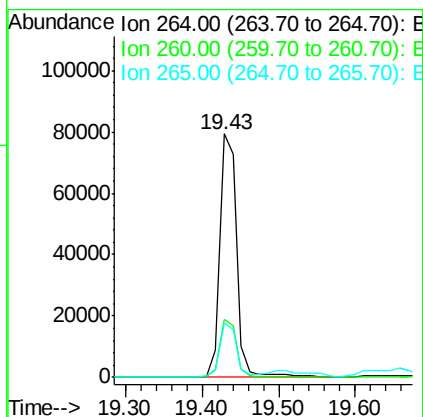
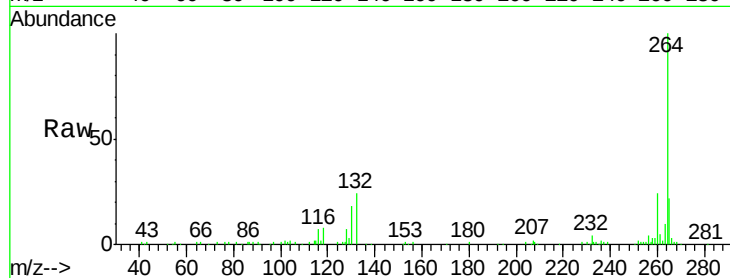


#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.43 min Scan# 1596
Delta R.T. -0.07 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Instrument :
BNA_F
ClientSampleID :
SB-79D

Tot Ion:264 Resp: 122476

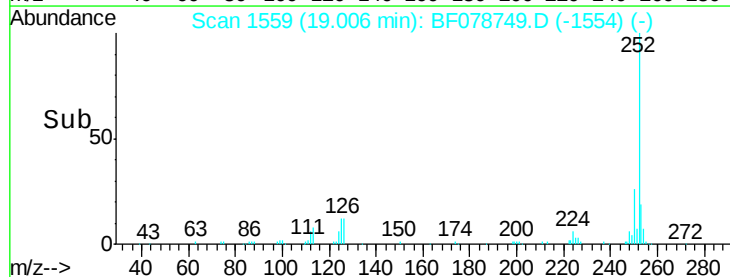
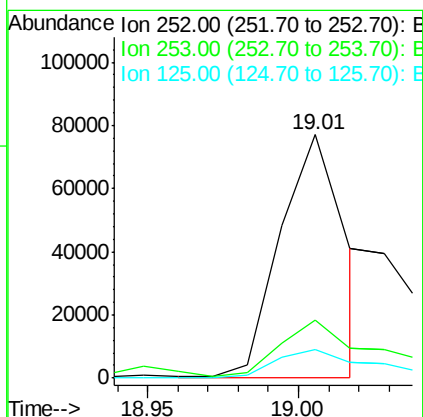
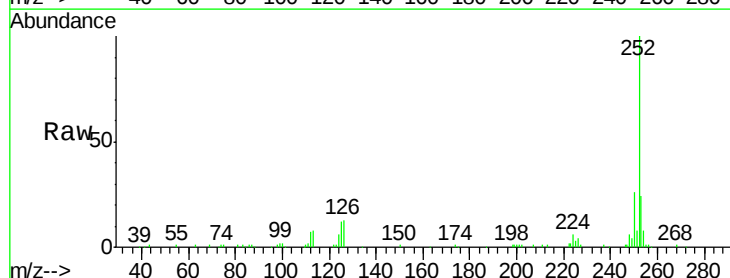
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	22.3	17.0	25.6

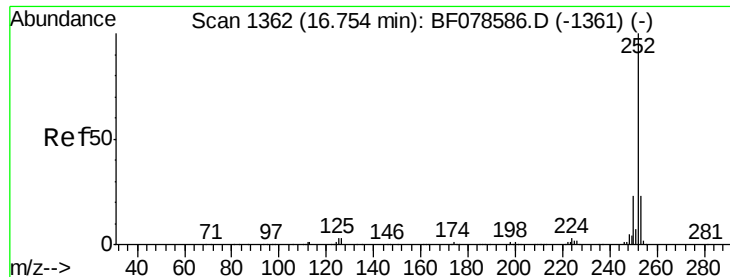


#87
Benzo(b)fluoranthene
Concen: 15.48 ng m
RT: 19.01 min Scan# 1559
Delta R.T. -0.05 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:252 Resp: 117207

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	11.7	7.0	10.4





#88

Benzo(k)fluoranthene

Concen: 7.09 ng

RT: 19.02 min Scan# 1560

Delta R.T. -0.07 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

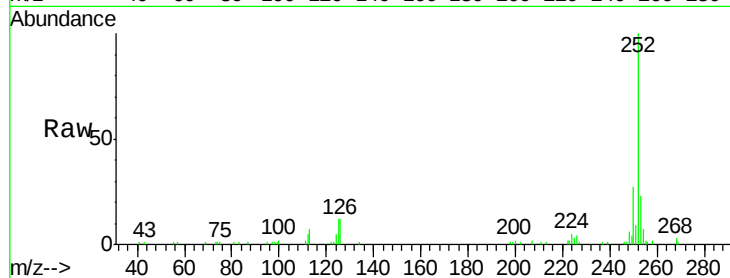
Tot Ion:252 Resp: 47675

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

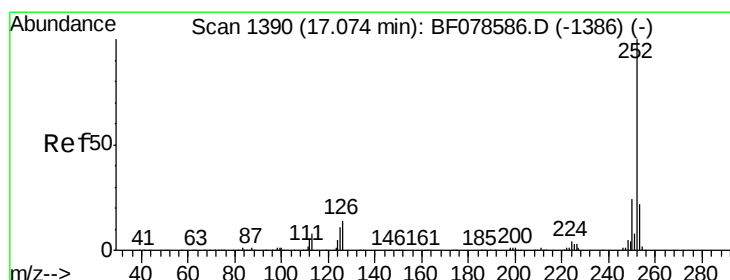
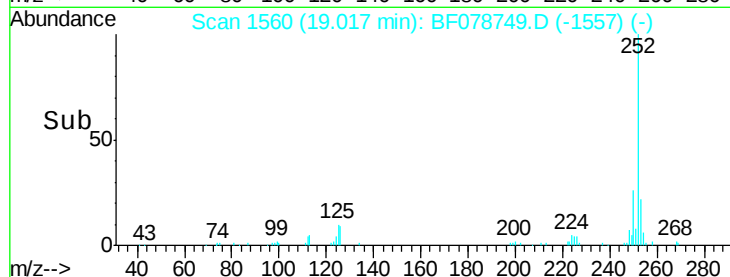
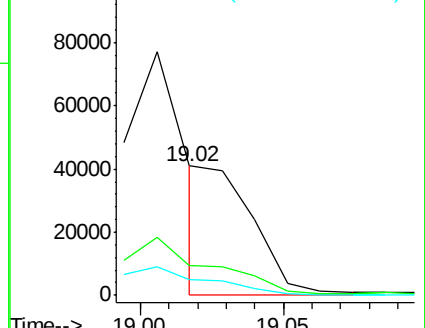
125 11.7 11.6 17.4



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: 14.25 ng

RT: 19.37 min Scan# 1591

Delta R.T. -0.06 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

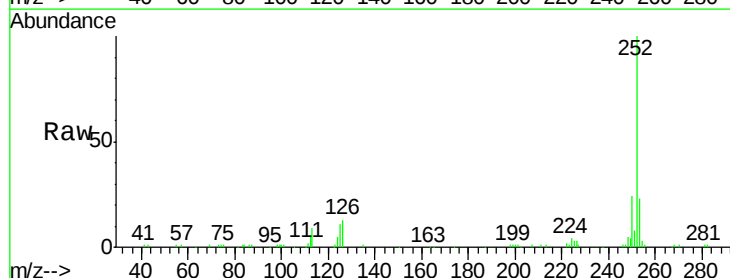
Tgt Ion:252 Resp: 94104

Ion Ratio Lower Upper

252 100

253 22.9 16.8 25.2

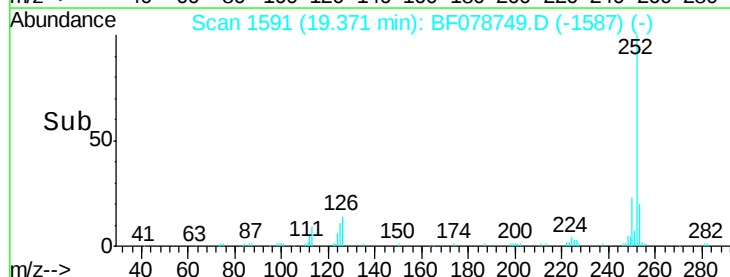
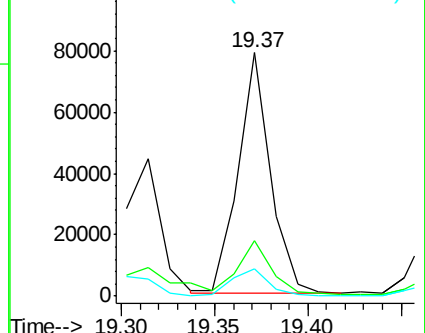
125 11.3 7.4 11.0#

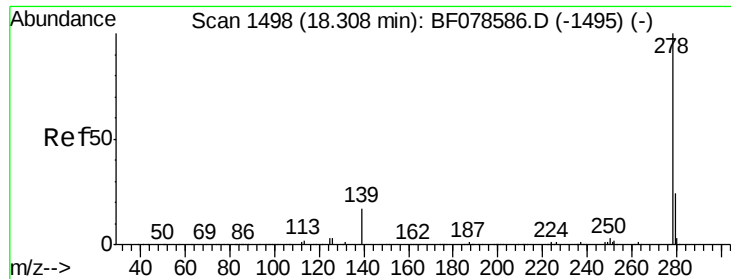


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

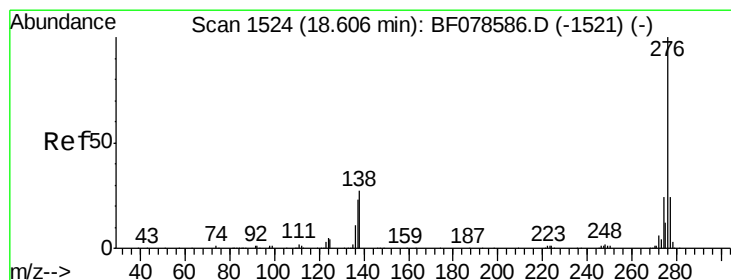
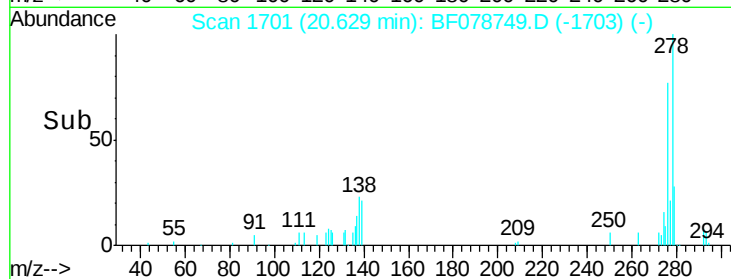
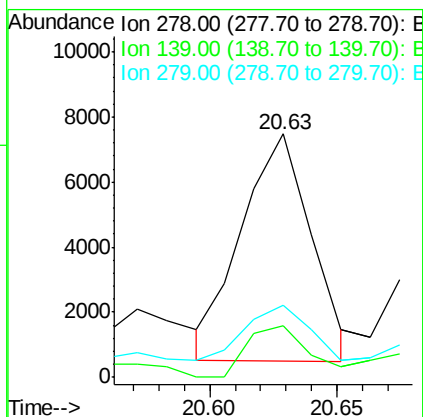
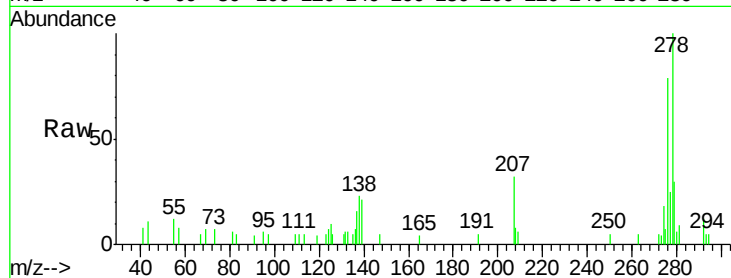




#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng
RT: 20.63 min Scan# 1701
Delta R.T. -0.13 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Instrument :
BNA_F
ClientSampleId :
SB-79D

Tot Ion:278 Resp: 13394
Ion Ratio Lower Upper
278 100
139 21.1 13.6 20.4#
279 29.8 19.0 28.6#



#91
Benzo(g,h,i)perylene
Concen: 6.52 ng
RT: 20.91 min Scan# 1726
Delta R.T. -0.13 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:276 Resp: 43240
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 24.3 19.9 29.9

