

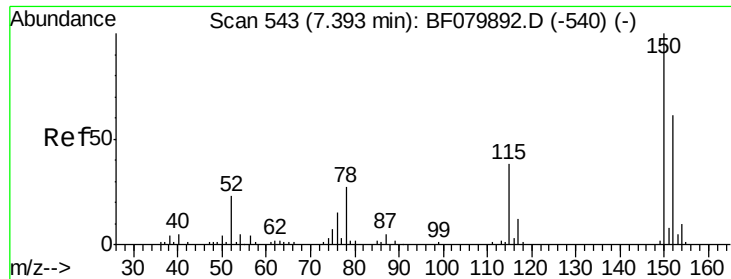
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
 Data File : BF079928.D
 Acq On : 12 Jun 2015 8:42
 Operator : TP/IZ
 Sample : G2449-05 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM4

Quant Time: Jun 12 13:47:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 13:46:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	54689	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	227438	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	115446	20.00	ng	0.00
63) Phenanthrene-d10	11.98	188	243133	20.00	ng	0.01
75) Chrysene-d12	14.78	240	735	20.00	ng	-0.07
86) Perylene-d12	0.00	264	0	0.00	ng	-16.71
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	77266	25.91	ng	0.00
7) Phenol-d6	6.99	99	100658	24.77	ng	0.00
23) Nitrobenzene-d5	7.94	82	45171	13.10	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	20362	20.09	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	136116	16.51	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
55) 4-Nitrophenol	10.66	139	6592	6.88	ng	Qvalue # 1
70) Phenanthrene	12.00	178	514445	35.50	ng	99
71) Anthracene	12.06	178	77955	5.56	ng	100
72) Carbazole	12.21	167	33226	2.44	ng	97
74) Fluoranthene	13.31	202	800449	49.97	ng	98
77) Pyrene	13.31	202	800449	17339.67	ng	100
79) Butylbenzylphthalate	14.05	149	379	24.31	ng	# 72
80) Benzo(a)anthracene	14.79	228	38712	829.44	ng	# 68
81) 3,3'-Dichlorobenzidine	14.66	252	213	14.27	ng	# 25
82) Chrysene	14.79	228	38321	953.22	ng	# 71
83) Bis(2-ethylhexyl)phthalate	14.74	149	744	29.82	ng	# 52
84) Di-n-octyl phthalate	15.50	149	370	9.09	ng	# 1
85) Indeno(1,2,3-cd)pyrene	18.58	276	3283	67.17	ng	# 56

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

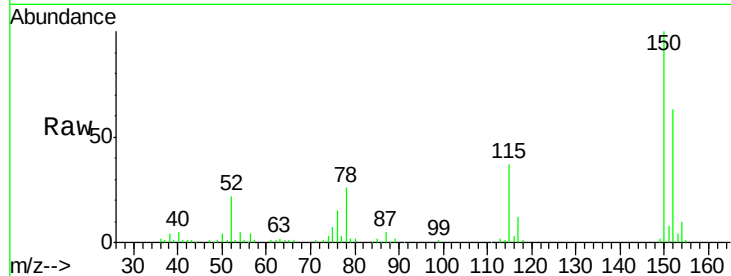


#1

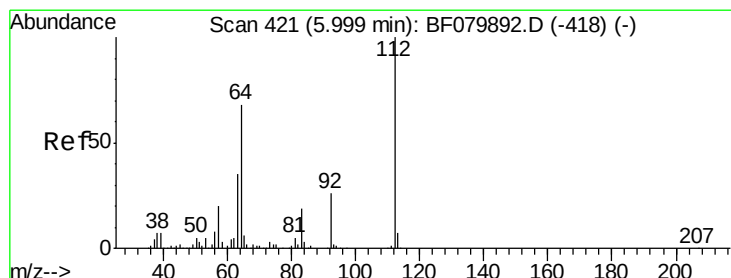
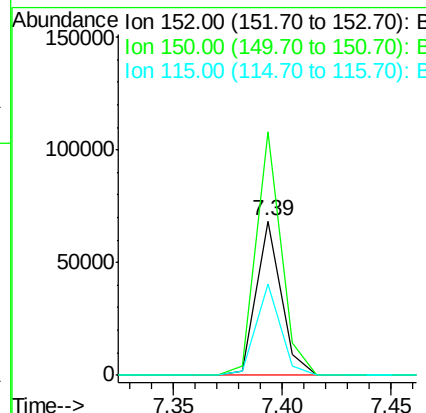
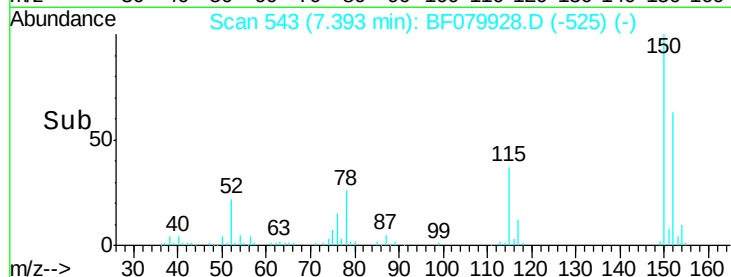
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Instrument :
BNA_F
ClientSampleId :
FM4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	131.0	196.4
115	59.0	49.8	74.6



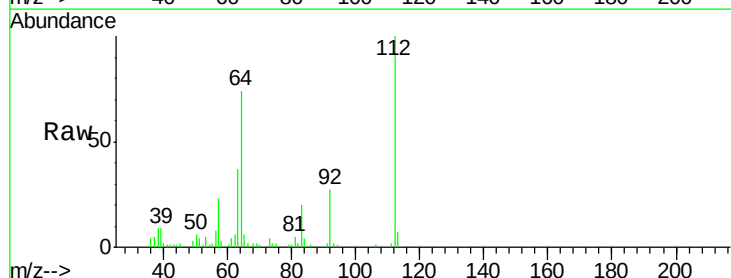
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



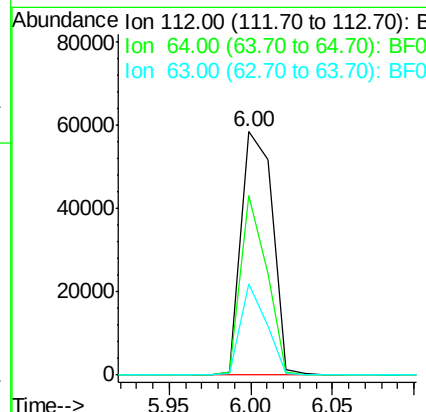
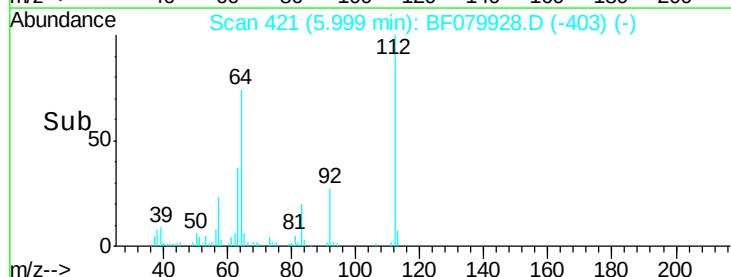
#5

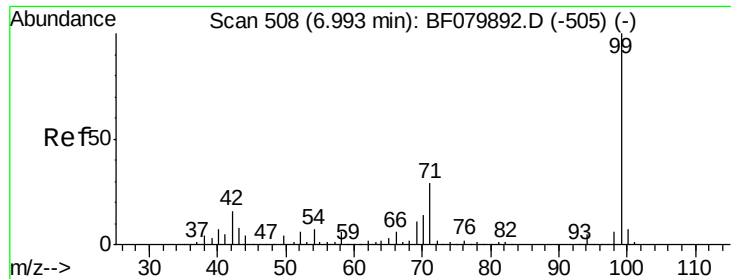
2-Fluorophenol
Concen: 25.91 ng
RT: 6.00 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	54.5	81.7
63	37.4	27.9	41.9



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: 24.77 ng

RT: 6.99 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampleId :

FM4

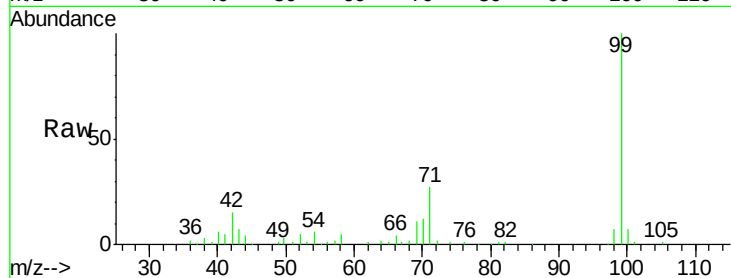
Tot Ion: 99 Resp: 100658

Ion Ratio Lower Upper

99 100

42 14.6 12.9 19.3

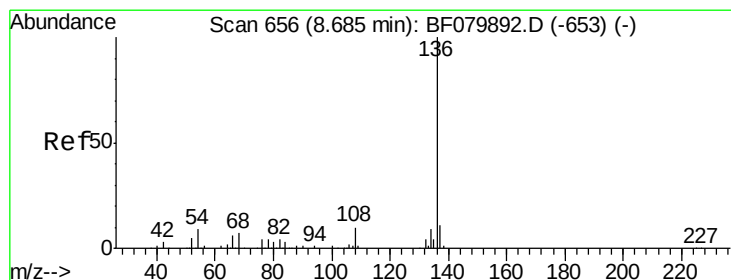
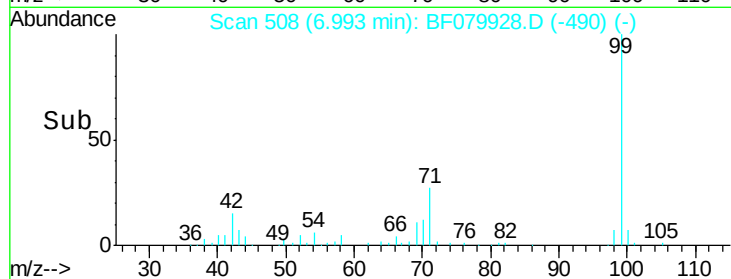
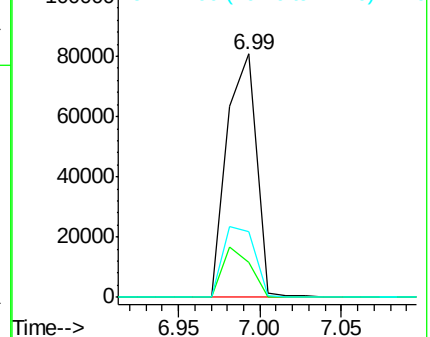
71 26.9 23.4 35.2



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: 8.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Tgt Ion: 136 Resp: 227438

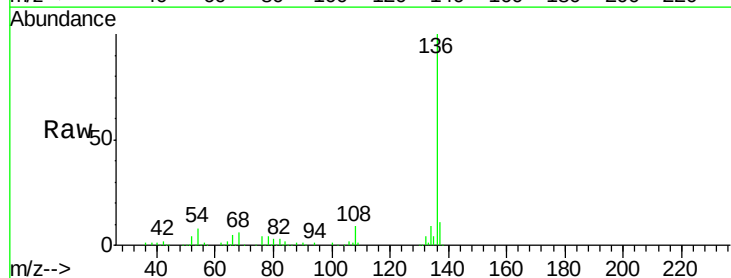
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.5 7.3 10.9

68 6.3 5.9 8.9

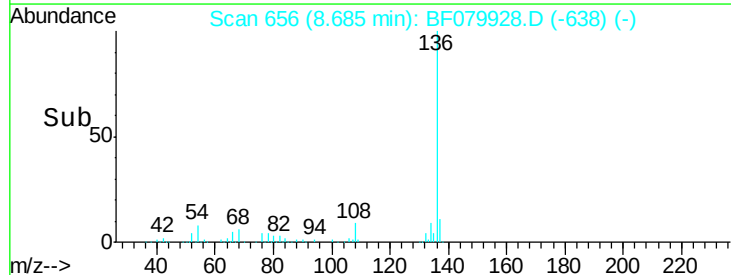
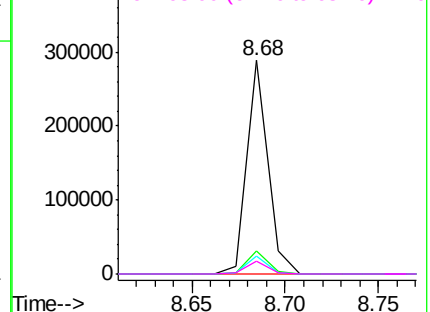


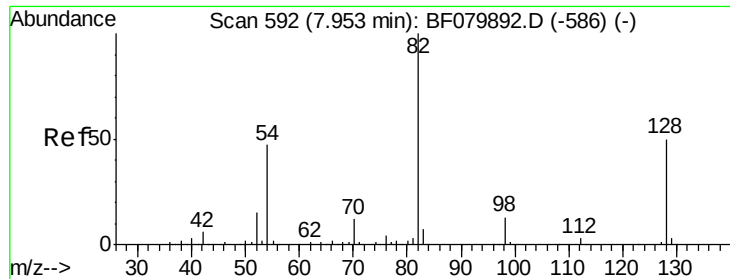
Abundance Ion 136.00 (135.70 to 136.70): E

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

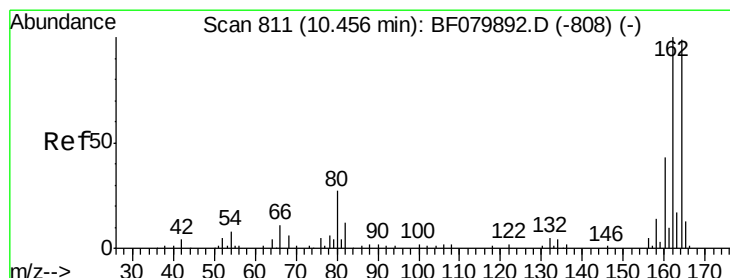
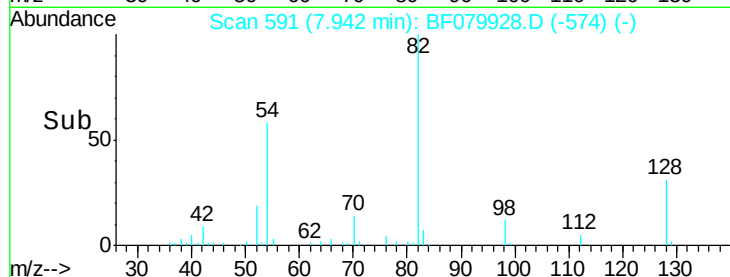
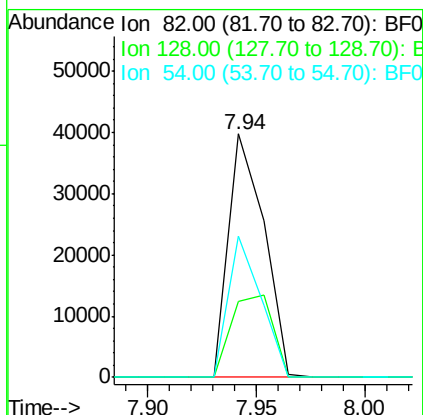
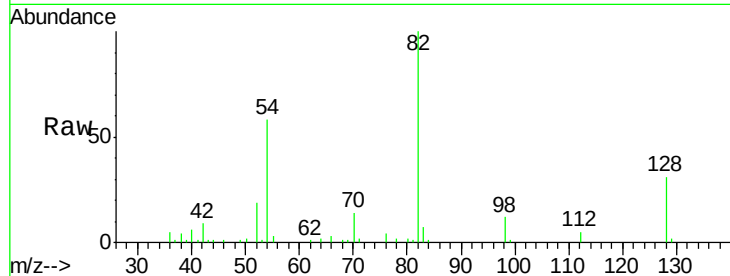




#23
 Nitrobenzene-d5
 Concen: 13.10 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

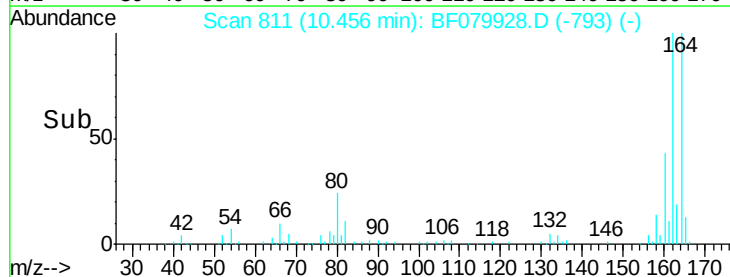
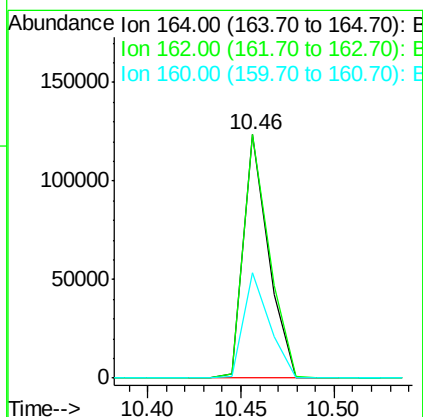
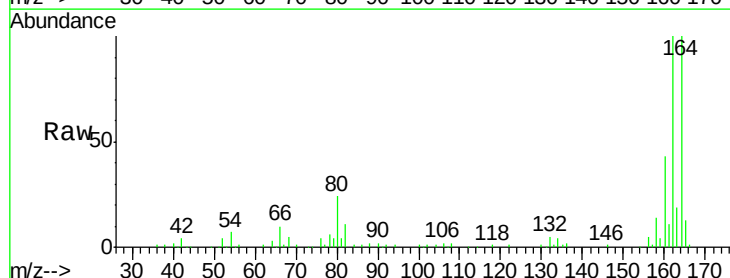
Instrument :
 BNA_F
 ClientSampled :
 FM4

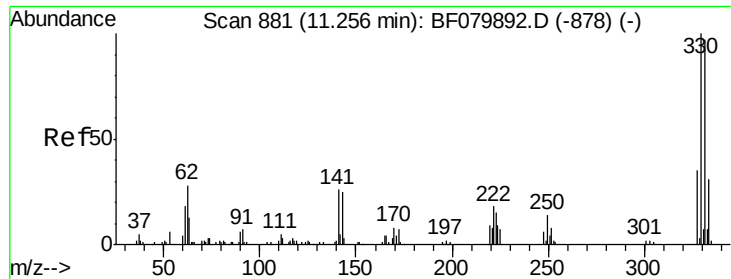
Tot Ion: 82 Resp: 45171
 Ion Ratio Lower Upper
 82 100
 128 31.1 40.3 60.5#
 54 57.9 38.0 57.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.46 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Tgt Ion: 164 Resp: 115446
 Ion Ratio Lower Upper
 164 100
 162 99.9 80.7 121.1
 160 43.4 34.6 51.8

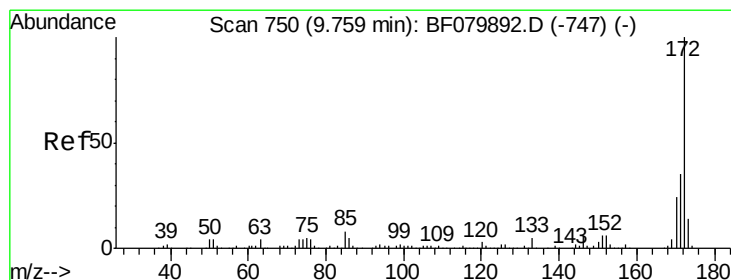
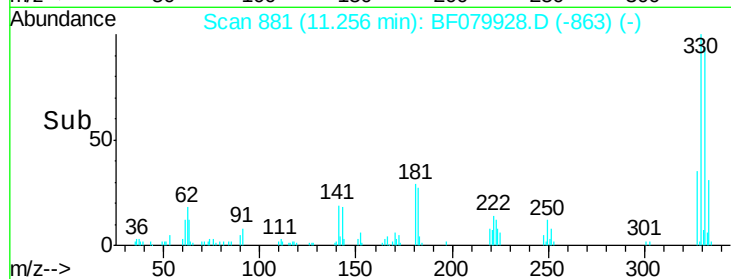
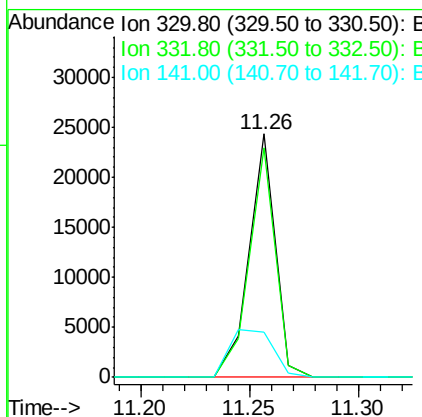
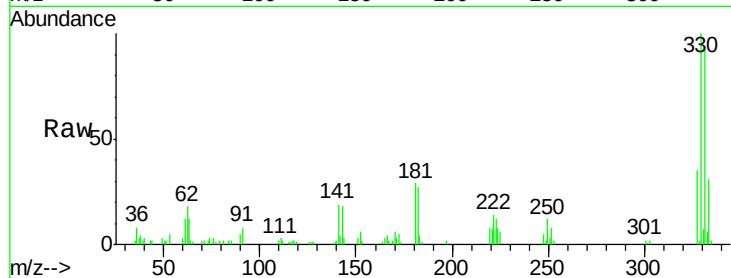




#41
 2,4,6-Tribromophenol
 Concen: 20.09 ng
 RT: 11.26 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

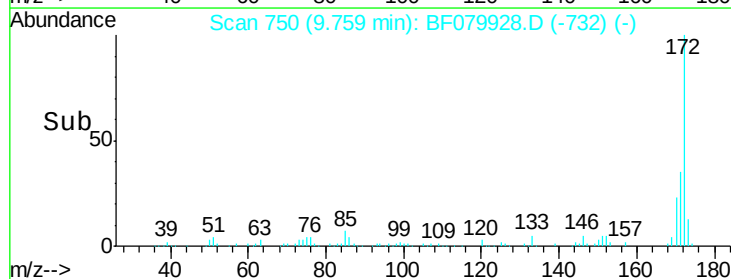
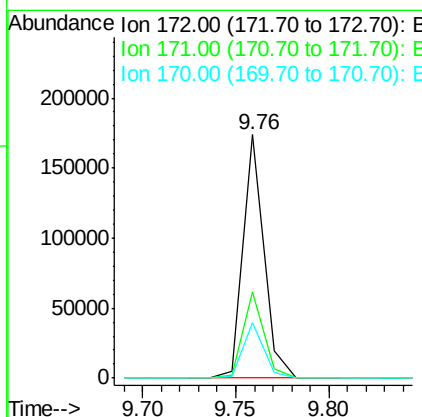
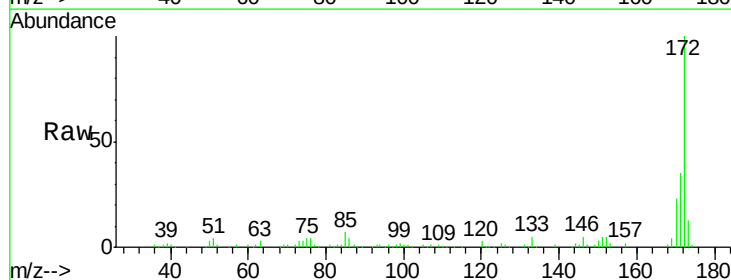
Instrument :
 BNA_F
 ClientSampleId :
 FM4

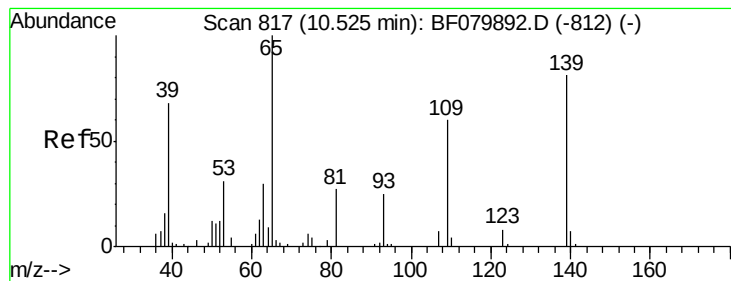
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.3	115.9
141	32.9	26.8	40.2



#44
 2-Fluorobiphenyl
 Concen: 16.51 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	22.6	19.0	28.4





#55

4-Nitrophenol

Concen: 6.88 ng

RT: 10.66 min Scan# 829

Delta R.T. 0.14 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampled :

FM4

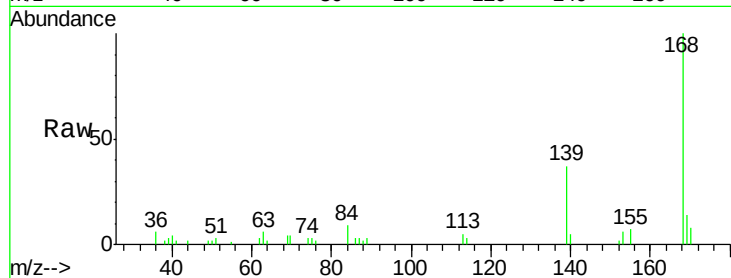
Tot Ion:139 Resp: 6592

Ion Ratio Lower Upper

139 100

109 0.0 54.8 94.8#

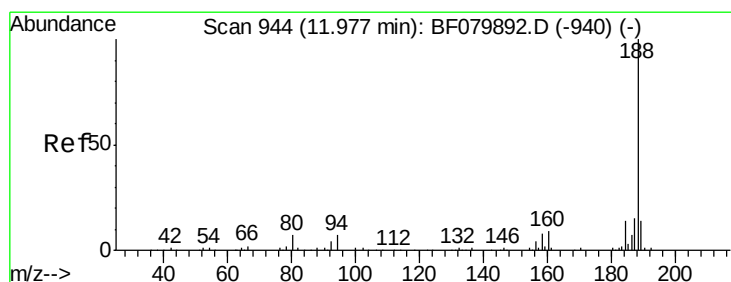
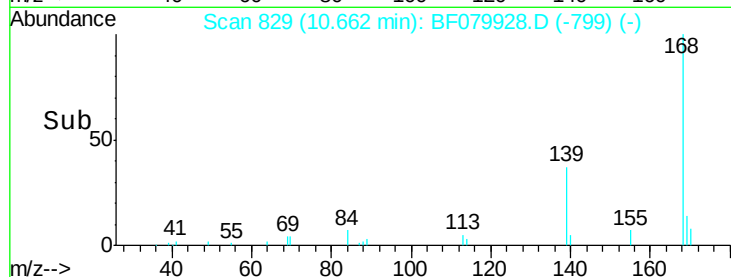
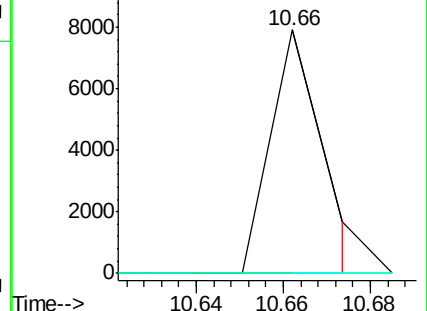
65 0.0 104.8 144.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.98 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

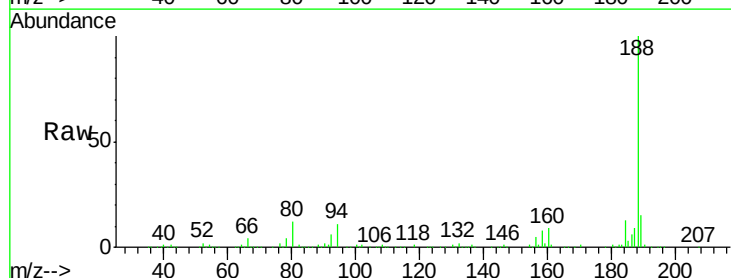
Tgt Ion:188 Resp: 243133

Ion Ratio Lower Upper

188 100

94 10.6 5.8 8.8#

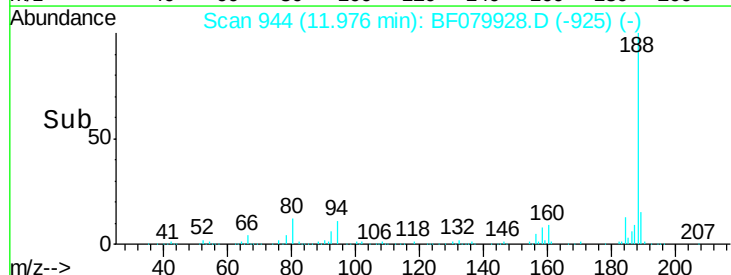
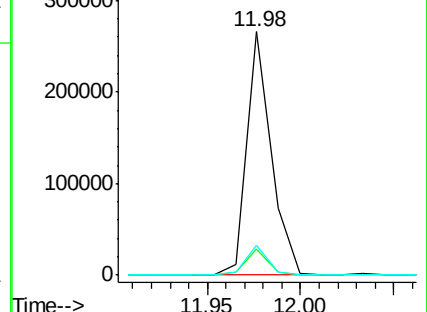
80 12.2 5.9 8.9#

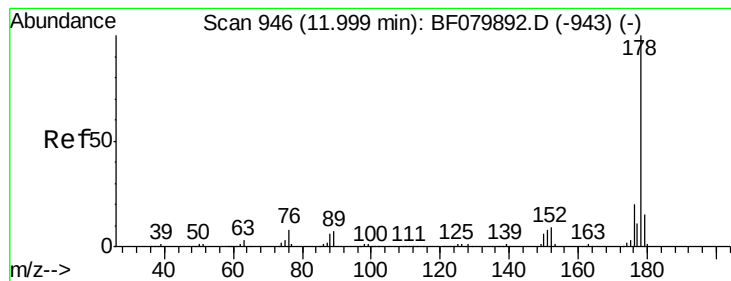


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 35.50 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampled :

FM4

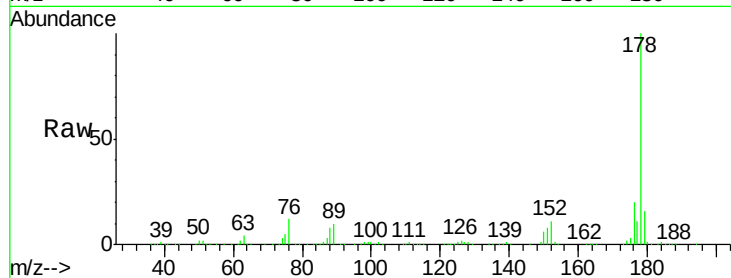
Tot Ion:178 Resp: 514445

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

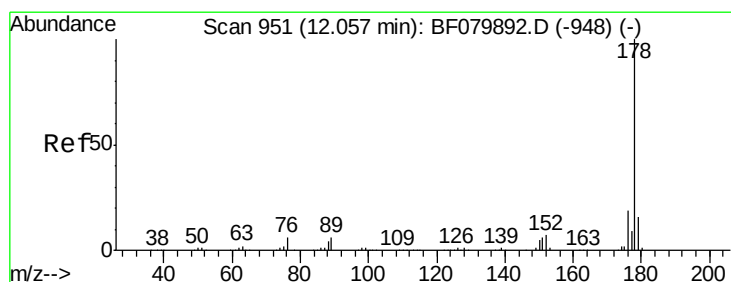
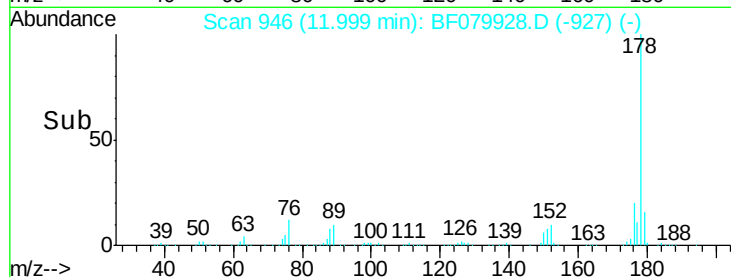
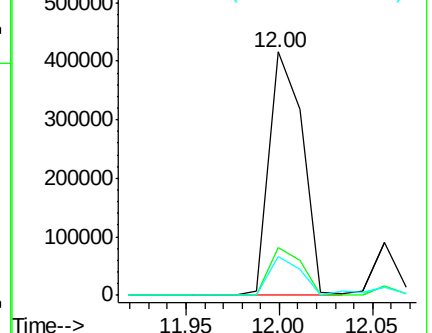
179 15.9 12.3 18.5



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: 5.56 ng

RT: 12.06 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

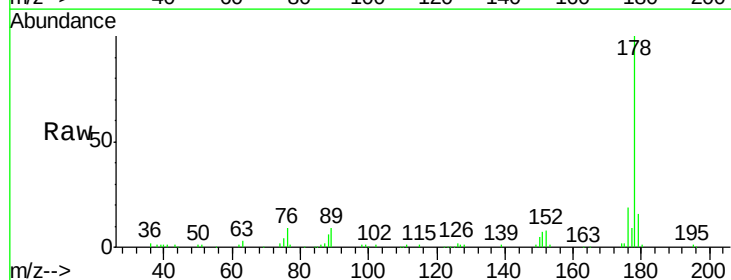
Tgt Ion:178 Resp: 77955

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

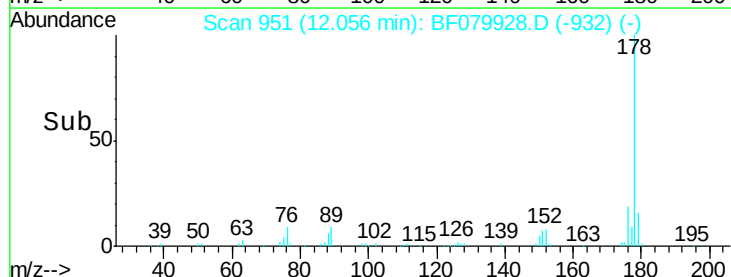
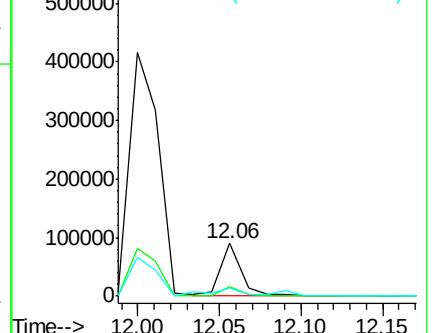
179 15.9 12.5 18.7

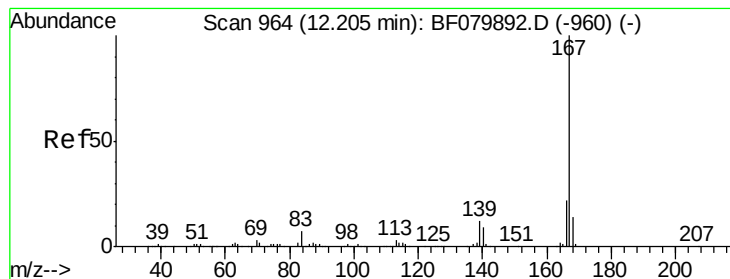


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.44 ng

RT: 12.21 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampleId :

FM4

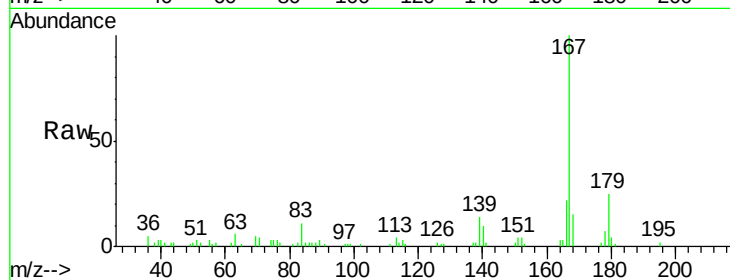
Tot Ion:167 Resp: 33226

Ion Ratio Lower Upper

167 100

166 22.3 17.4 26.2

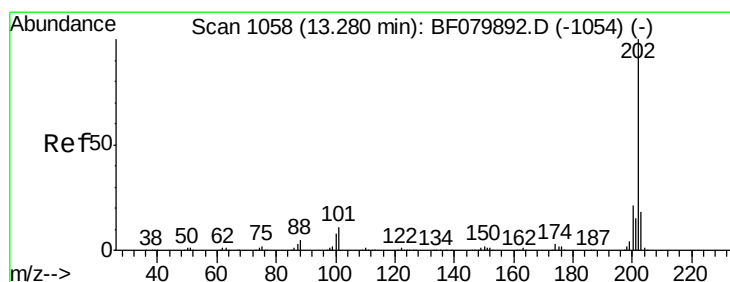
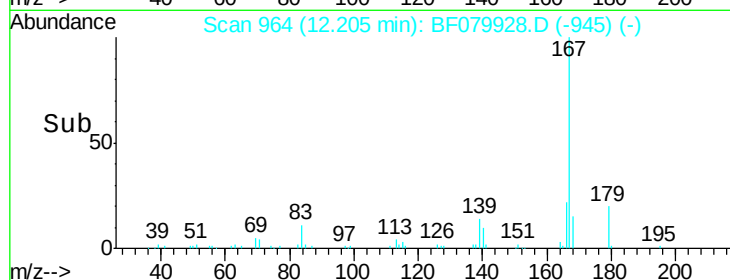
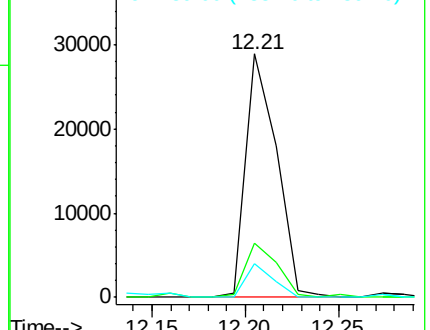
139 13.9 9.5 14.3



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: 49.97 ng

RT: 13.31 min Scan# 1061

Delta R.T. 0.09 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

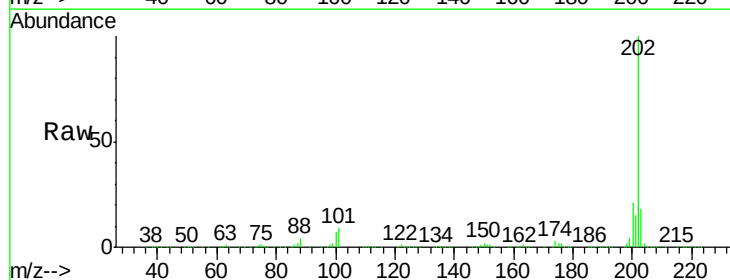
Tgt Ion:202 Resp: 800449

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.7

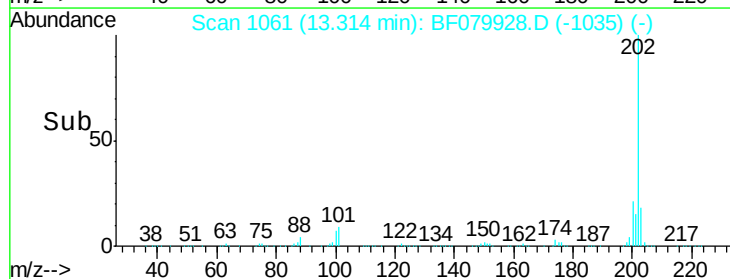
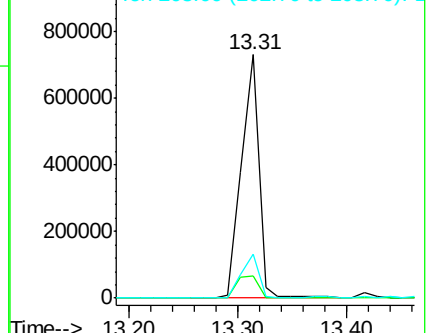
203 17.8 0.0 38.0

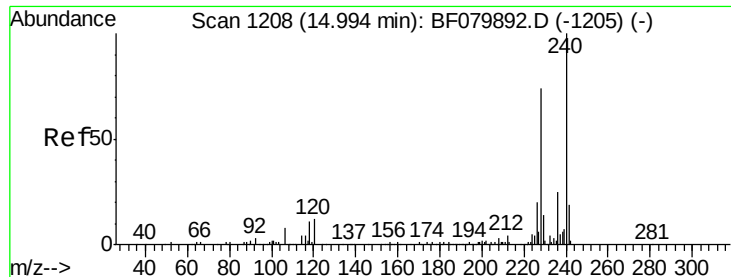


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.78 min Scan# 1189

Delta R.T. -0.07 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampled :

FM4

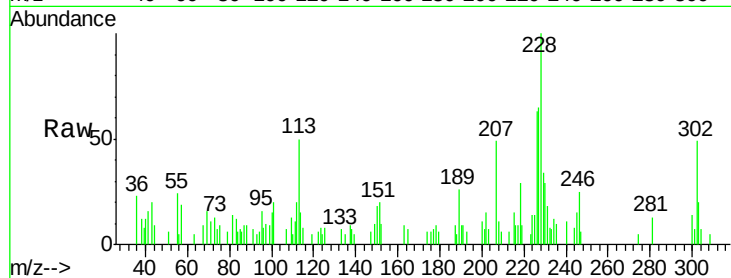
Tot Ion:240 Resp: 735

Ion Ratio Lower Upper

240 100

120 0.0 9.4 14.2#

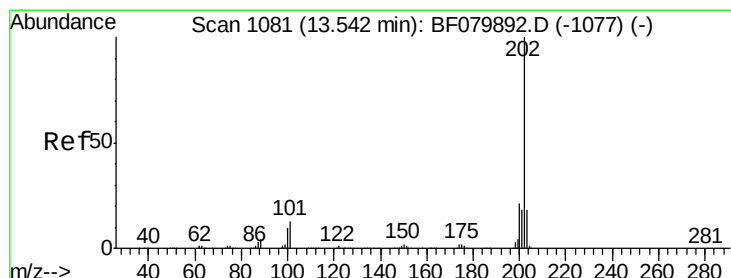
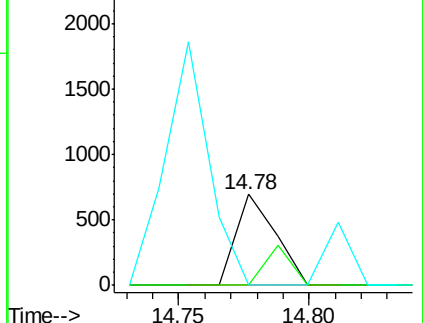
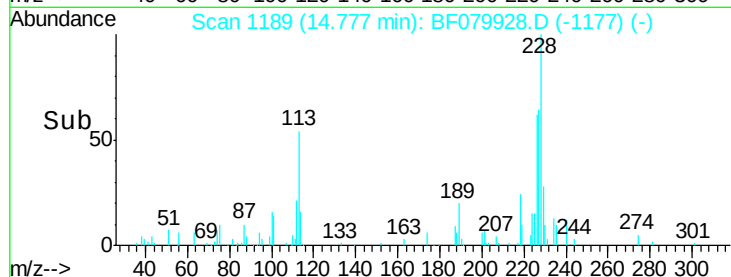
236 0.0 19.6 29.4#



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: 17339.67 ng

RT: 13.31 min Scan# 1061

Delta R.T. -0.16 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

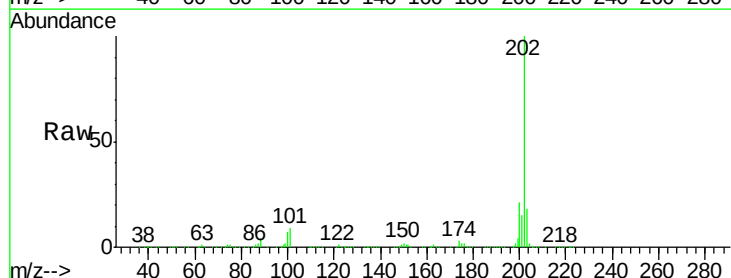
Tgt Ion:202 Resp: 800449

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

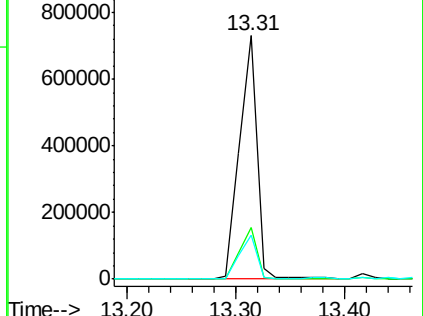
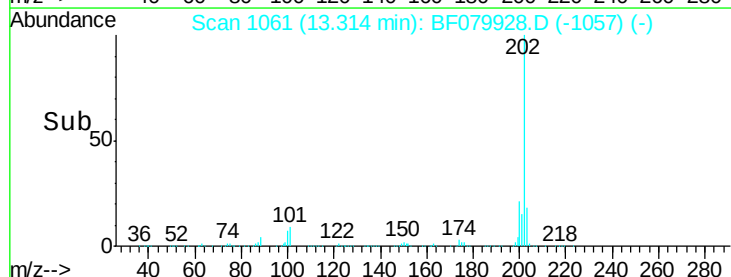
203 17.8 14.4 21.6

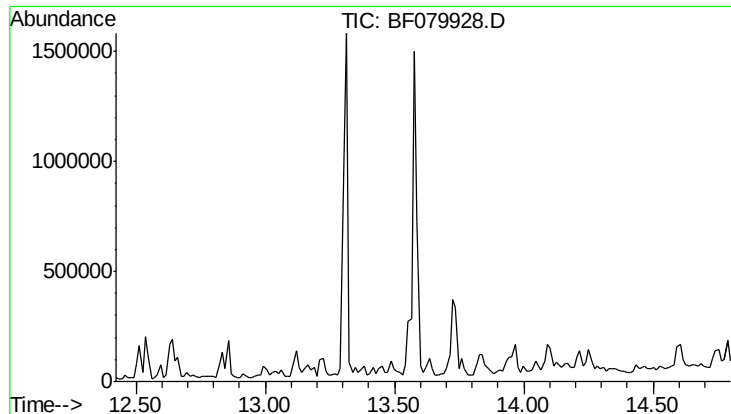


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 13.61 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampleId :

FM4

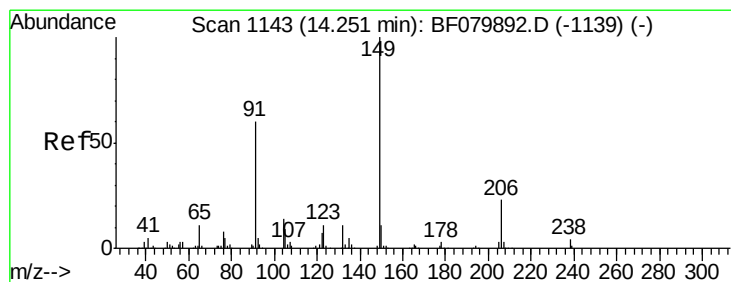
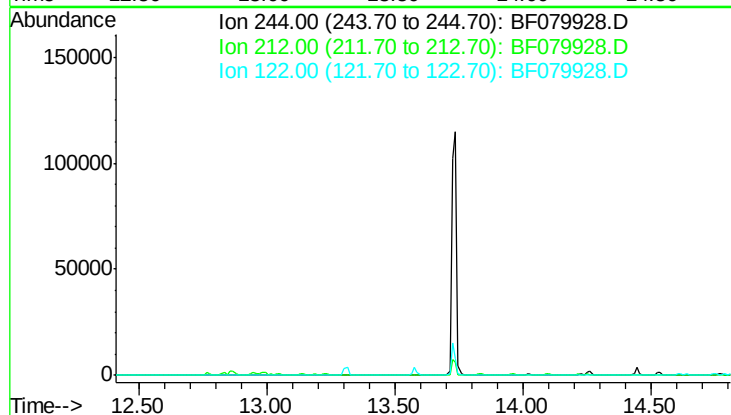
Tot Ion: 244

Sig Exp Ratio

244 100

212 6.8

122 9.8



#79

Butylbenzylphthalate

Concen: 24.31 ng

RT: 14.05 min Scan# 1125

Delta R.T. -0.09 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

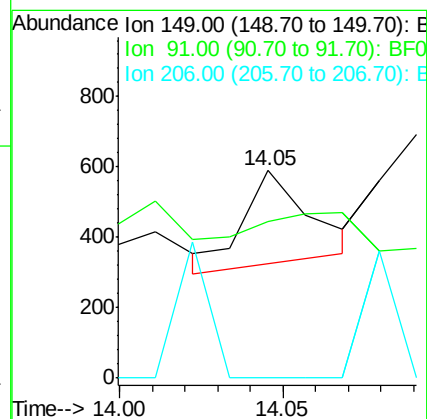
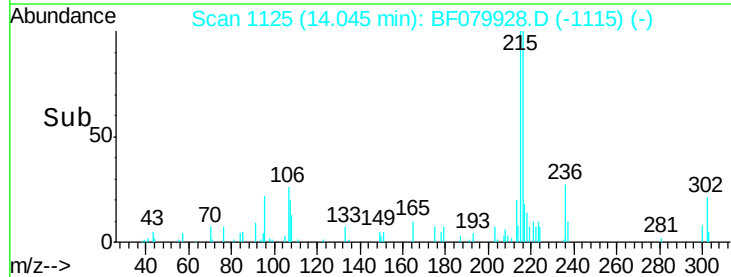
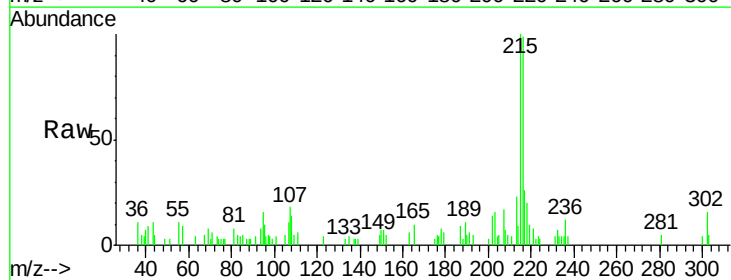
Tgt Ion: 149 Resp: 379

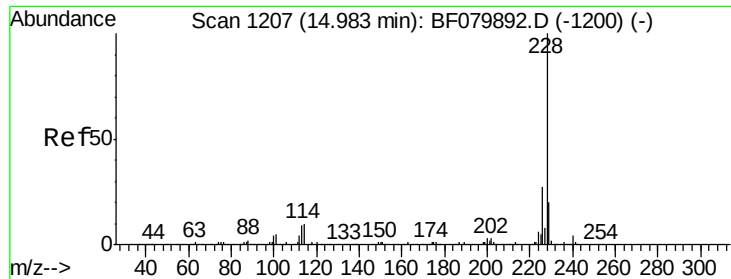
Ion Ratio Lower Upper

149 100

91 75.4 48.1 72.1#

206 0.0 18.6 27.8#





#80

Benzo(a)anthracene

Concen: 829.44 ng

RT: 14.79 min Scan# 1190

Delta R.T. -0.05 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampleId :

FM4

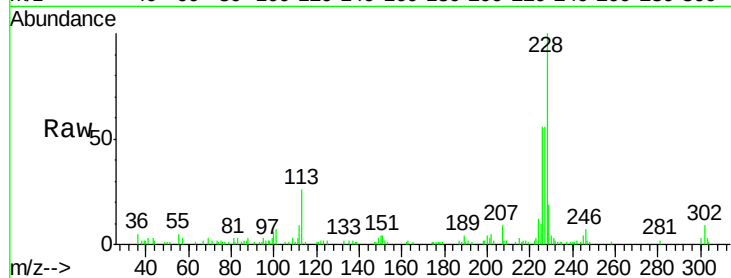
Tot Ion:228 Resp: 38712

Ion Ratio Lower Upper

228 100

226 55.8 21.8 32.8#

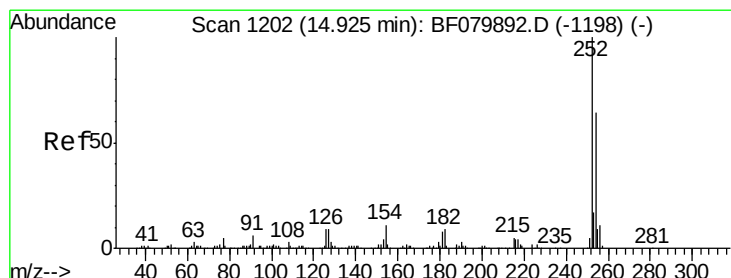
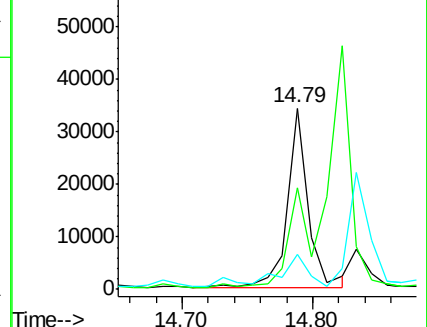
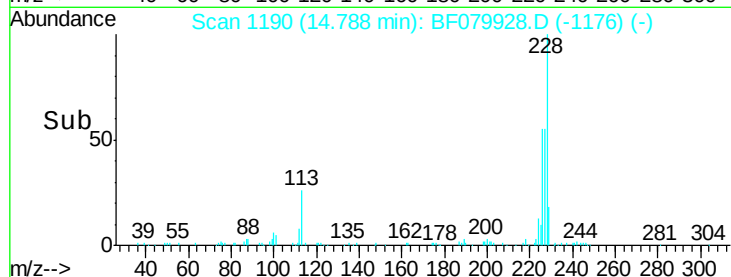
229 19.2 15.9 23.9



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



#81

3,3'-Dichlorobenzidine

Concen: 14.27 ng

RT: 14.66 min Scan# 1179

Delta R.T. -0.11 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

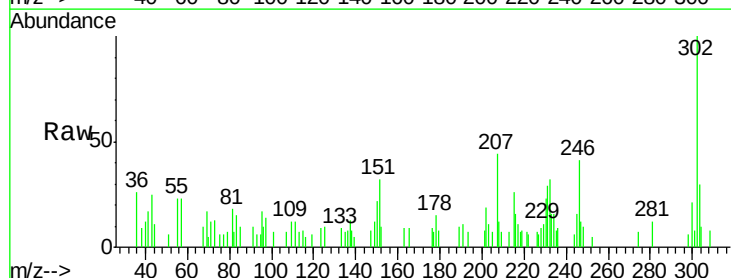
Tgt Ion:252 Resp: 213

Ion Ratio Lower Upper

252 100

254 0.0 51.1 76.7#

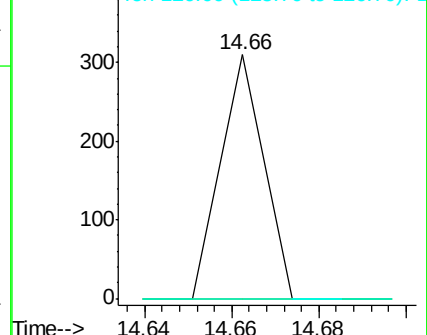
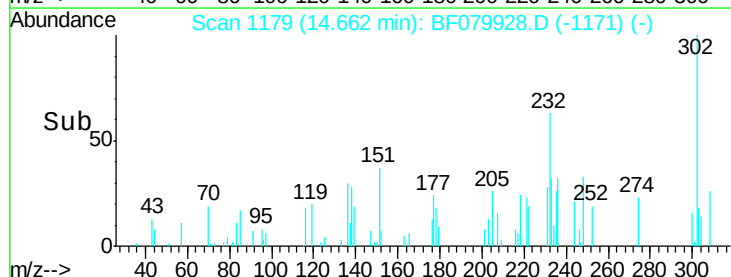
126 0.0 7.3 10.9#

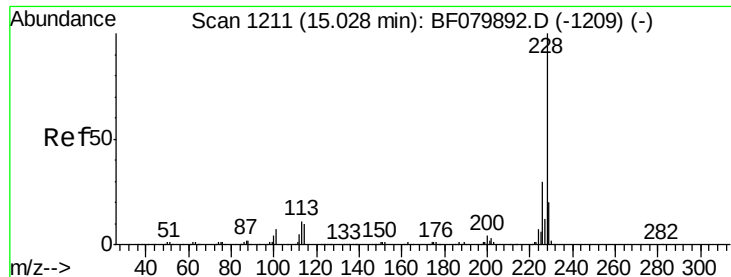


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 953.22 ng

RT: 14.79 min Scan# 1190

Delta R.T. -0.09 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

ClientSampleId :

FM4

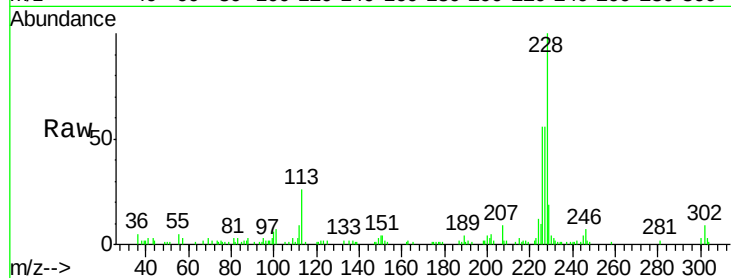
Tot Ion:228 Resp: 38321

Ion Ratio Lower Upper

228 100

226 55.8 23.9 35.9#

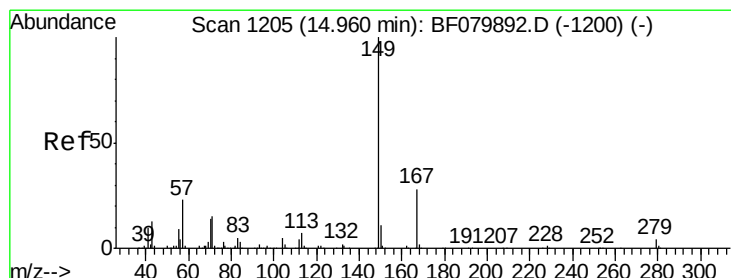
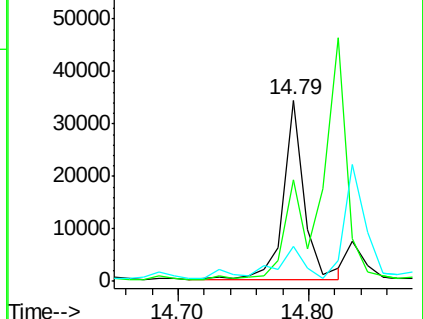
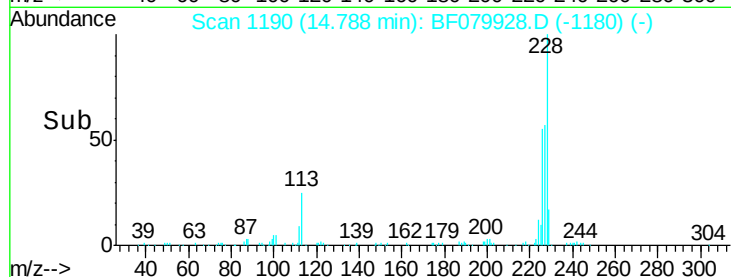
229 19.2 16.1 24.1



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: 29.82 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.06 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

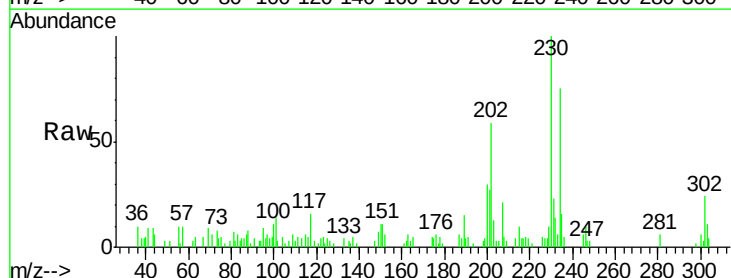
Tgt Ion:149 Resp: 744

Ion Ratio Lower Upper

149 100

167 0.0 22.2 33.4#

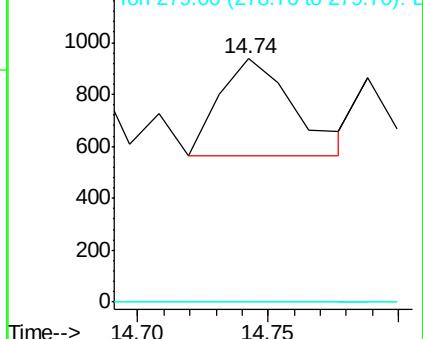
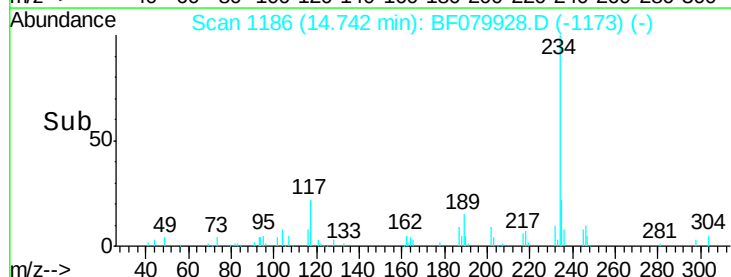
279 0.0 3.1 4.7#

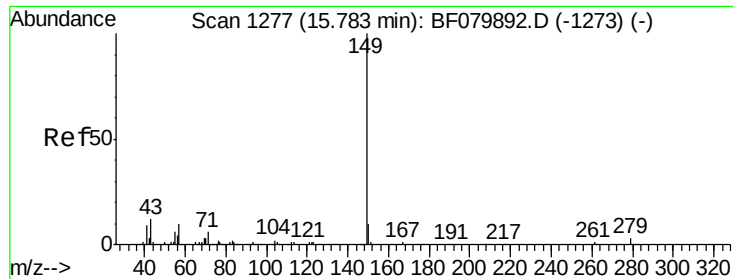


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

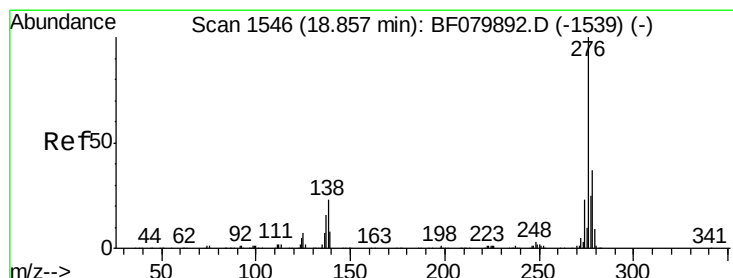
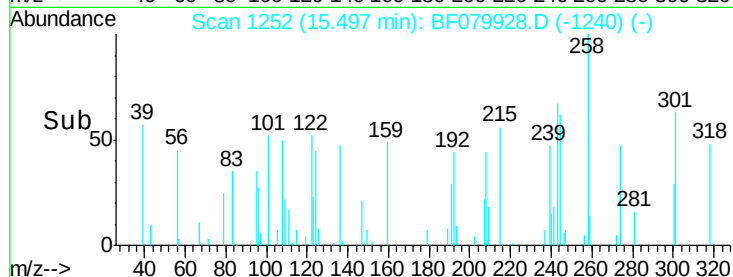
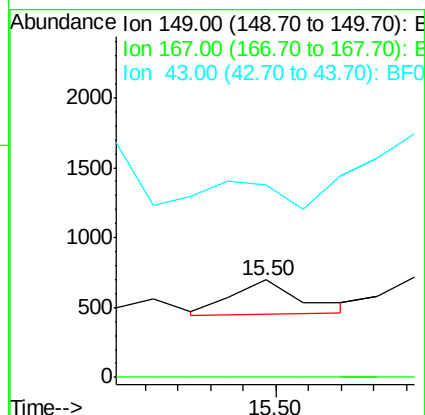
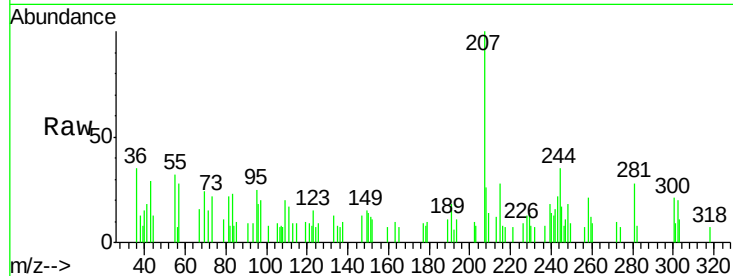




#84
Di-n-octyl phthalate
Concen: 9.09 ng
RT: 15.50 min Scan# 1252
Delta R.T. -0.07 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

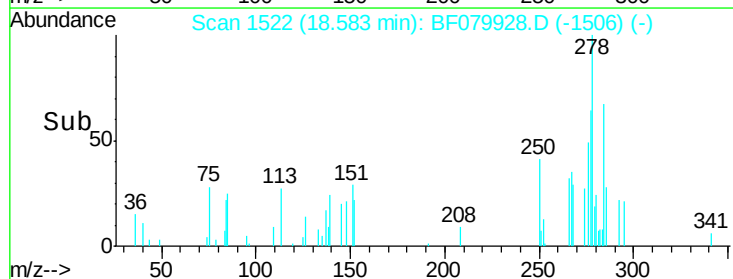
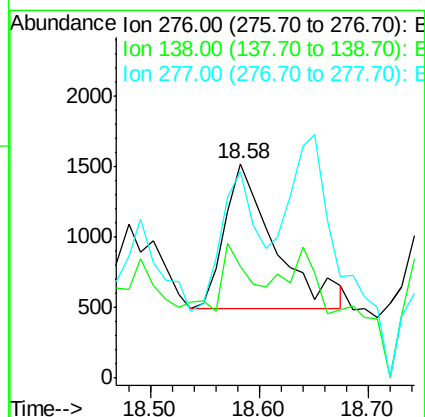
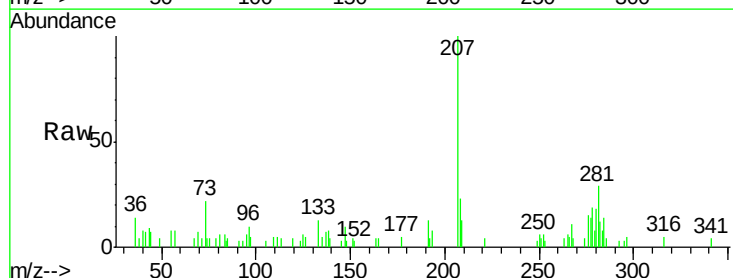
Instrument :
BNA_F
ClientSampled :
FM4

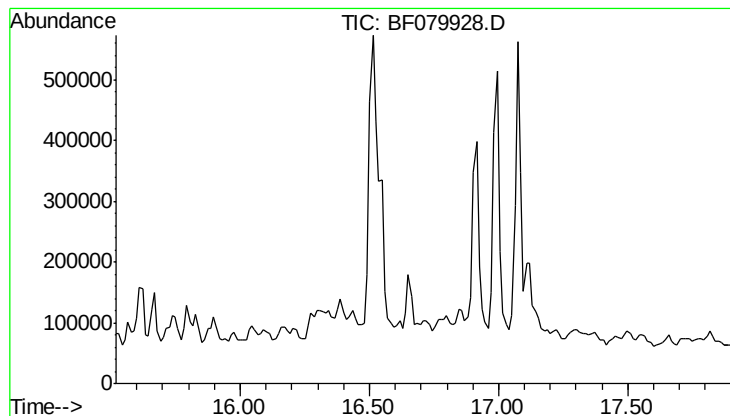
Tot Ion:149 Resp: 370
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 68.1 8.8 13.2#



#85
Indeno(1,2,3-cd)pyrene
Concen: 67.17 ng
RT: 18.58 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Tgt Ion:276 Resp: 3283
Ion Ratio Lower Upper
276 100
138 24.0 21.0 31.4
277 68.2 19.9 29.9#





#86
Pervlene-d12
Concen: 0.00 ng
Expected RT: 16.71 min

Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Instrument :
BNA_F
ClientSampleId :
FM4

Tot Ion: 264	
Sig	Exp Ratio
264	100
260	24.1
265	21.3

