

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
 Data File : BF093794.D
 Acq On : 21 Mar 2017 13:24
 Operator : SJ/MA
 Sample : I2280-07DL 250X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-4DL

Quant Time: Mar 21 14:51:14 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 21 14:38:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	197357	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	790852	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	375234	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	643109	20.00	ng	0.00
75) Chrysene-d12	13.97	240	475519	20.00	ng	0.00
86) Perylene-d12	15.37	264	326112	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	5288	0.47	ng	-0.01
7) Phenol-d6	6.44	99	6483	0.46	ng	-0.02
23) Nitrobenzene-d5	7.37	82	3424	0.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	947	0.33	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	7835	0.35	ng	0.00
78) Terphenyl-d14	12.92	244	7095	0.30	ng	-0.01

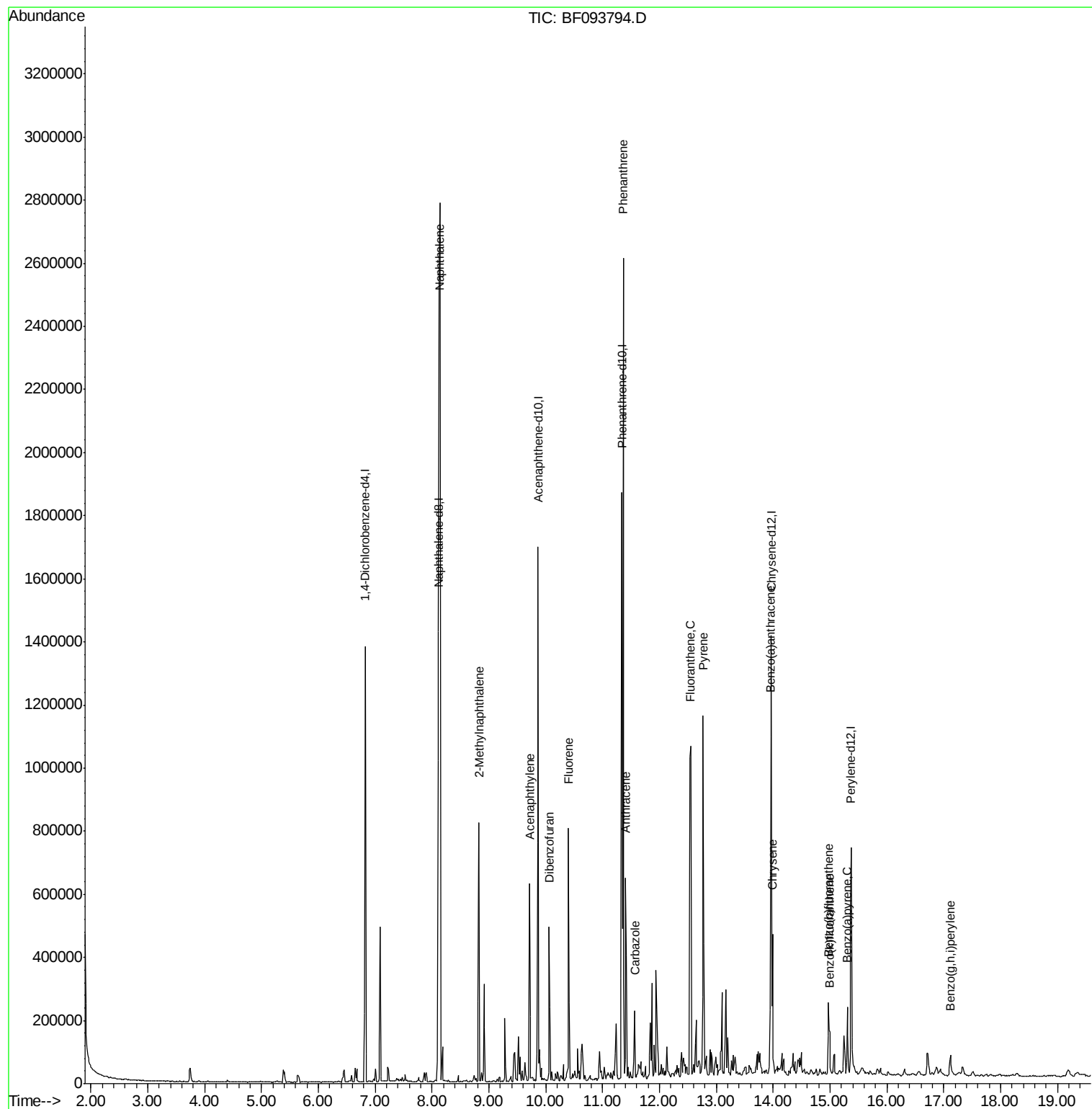
Target Compounds				Qvalue		
31) Naphthalene	8.14	128	1928072	52.52	ng	100
37) 2-Methylnaphthalene	8.82	142	234051	9.77	ng	98
48) Acenaphthylene	9.72	152	268865	7.07	ng	99
54) Dibenzofuran	10.06	168	210687	6.89	ng	95
57) Fluorene	10.40	166	239086	10.21	ng	100
70) Phenanthrene	11.36	178	877526	25.62	ng	99
71) Anthracene	11.41	178	323162	9.16	ng	99
72) Carbazole	11.57	167	120782	3.46	ng	# 96
74) Fluoranthene	12.55	202	616341	17.51	ng	94
77) Pyrene	12.77	202	481292	12.16	ng	100
80) Benzo(a)anthracene	13.96	228	175661m	5.90	ng	
82) Chrysene	13.99	228	160202m	5.38	ng	
87) Benzo(b)fluoranthene	14.97	252	121333m	5.52	ng	
88) Benzo(k)fluoranthene	15.00	252	45217m	2.79	ng	
89) Benzo(a)pyrene	15.31	252	98986	5.55	ng	# 95
91) Benzo(g,h,i)perylene	17.12	276	48634	3.31	ng	97

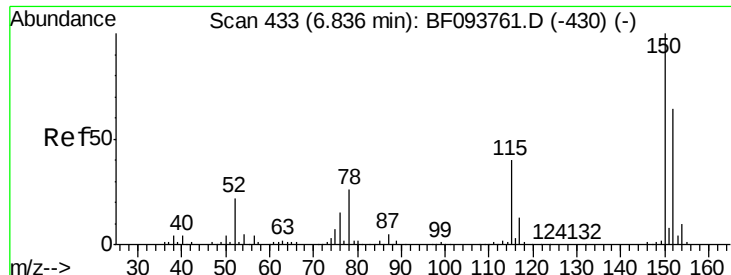
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093794.D
Acq On : 21 Mar 2017 13:24
Operator : SJ/MA
Sample : I2280-07DL 250X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTMIX-4DL

Quant Time: Mar 21 14:51:14 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration



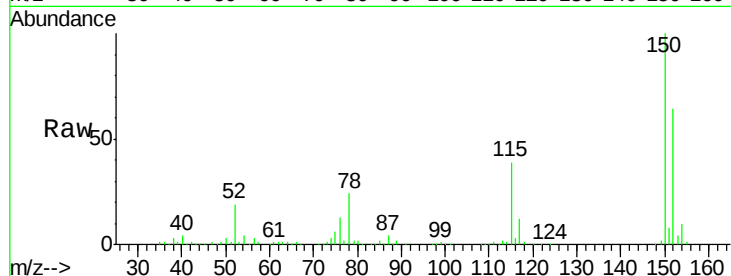


#1

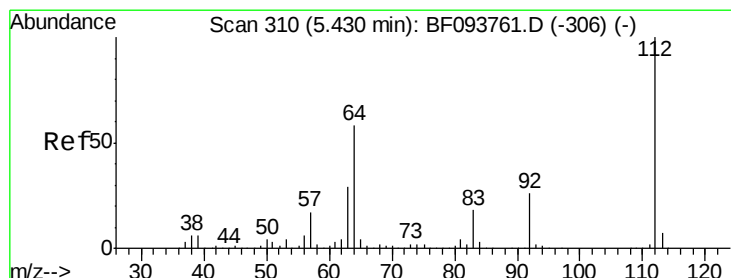
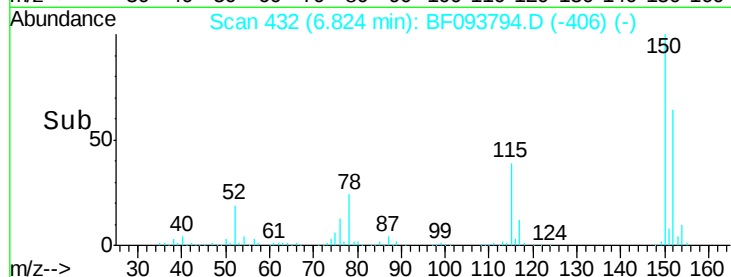
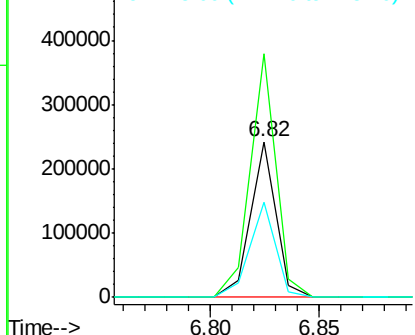
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093794.D
Acq: 21 Mar 2017 13:24

Instrument :
BNA_F
ClientSampleId :
CTMIX-4DL

Tgt Ion:152 Resp: 197357
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 61.3 52.2 78.2



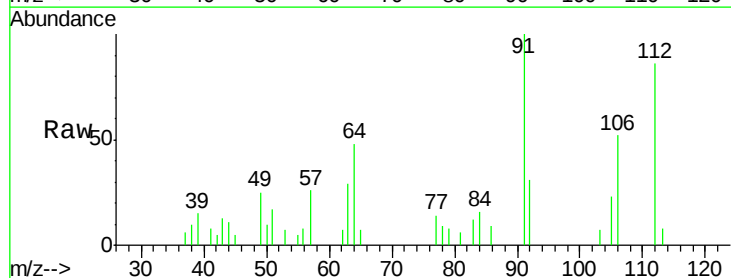
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



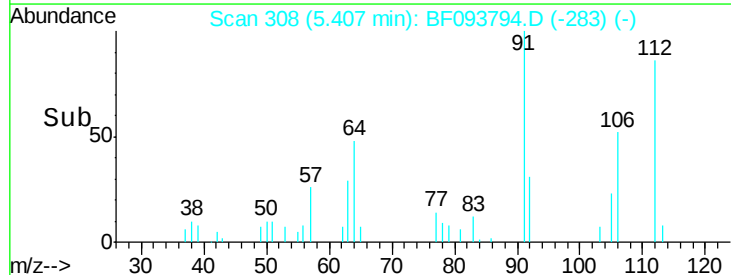
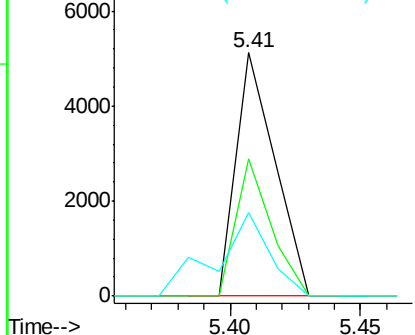
#5

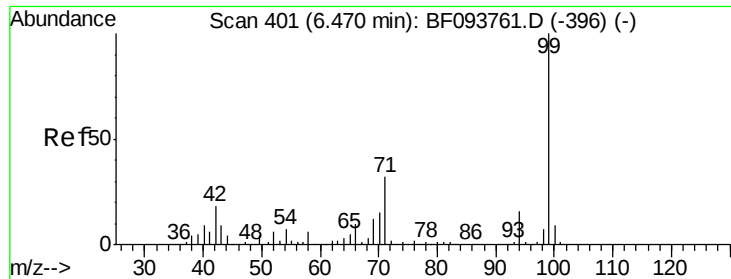
2-Fluorophenol
Concen: 0.47 ng
RT: 5.41 min Scan# 308
Delta R.T. -0.01 min
Lab File: BF093794.D
Acq: 21 Mar 2017 13:24

Tgt Ion:112 Resp: 5288
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 34.3 23.4 35.0



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: 0.46 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

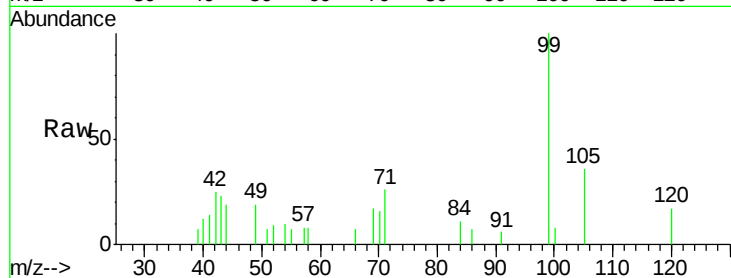
Tgt Ion: 99 Resp: 6483

Ion Ratio Lower Upper

99 100

42 25.4 13.5 20.3#

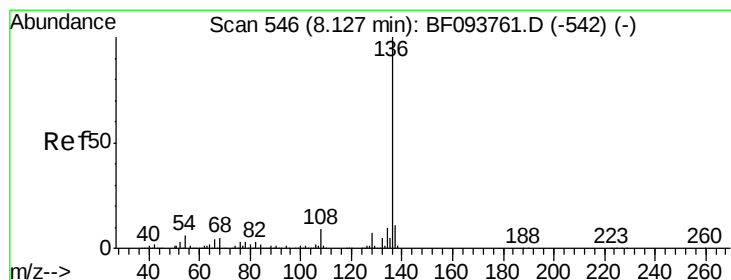
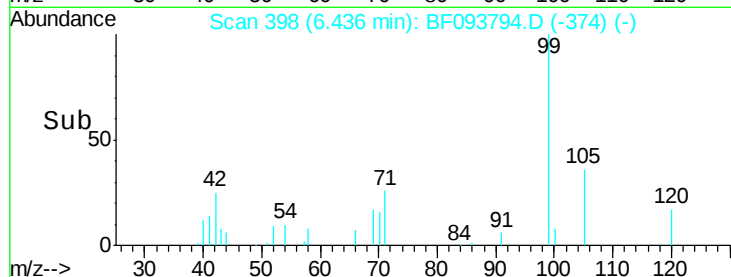
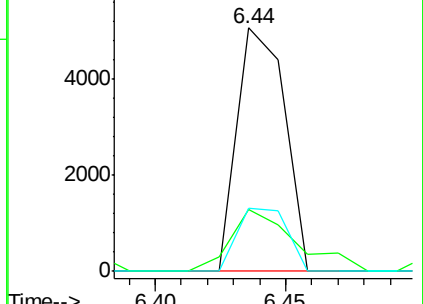
71 25.8 24.5 36.7



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: 8.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Tgt Ion: 136 Resp: 790852

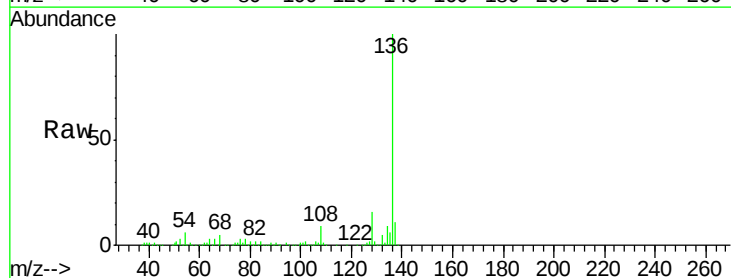
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 5.6 4.9 7.3

68 4.7 4.1 6.1

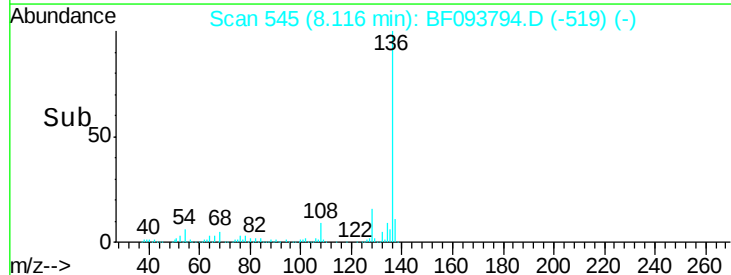
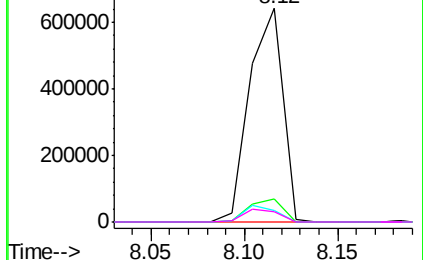


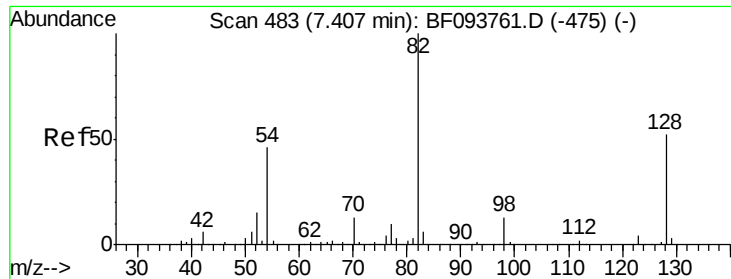
Abundance Ion 136.00 (135.70 to 136.70): E

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

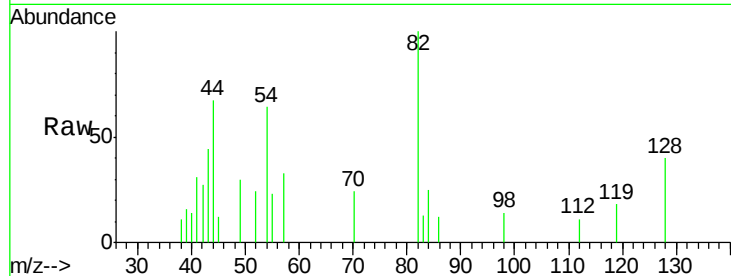




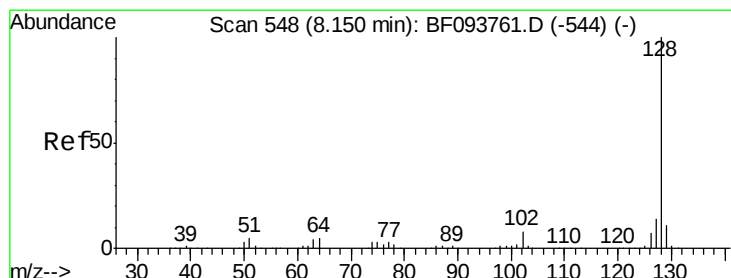
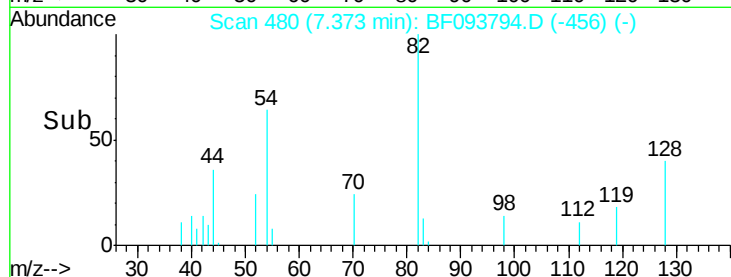
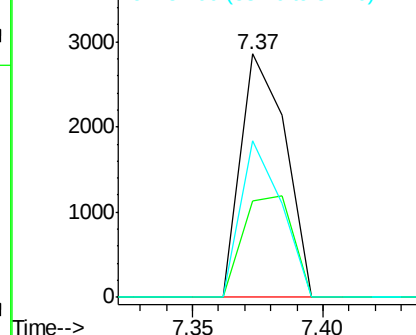
#23
 Nitrobenzene-d5
 Concen: 0.25 ng
 RT: 7.37 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF093794.D
 Acq: 21 Mar 2017 13:24

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-4DL

Tgt Ion: 82 Resp: 3424
 Ion Ratio Lower Upper
 82 100
 128 39.5 34.0 51.0
 54 64.4 42.2 63.2#

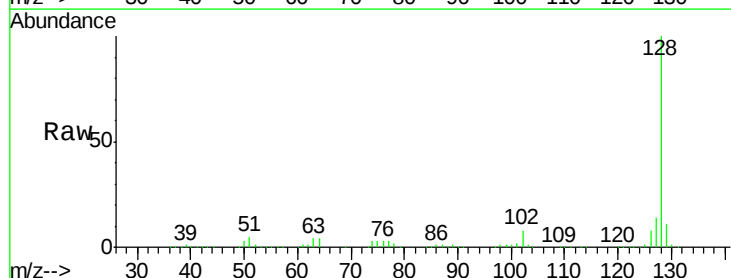


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

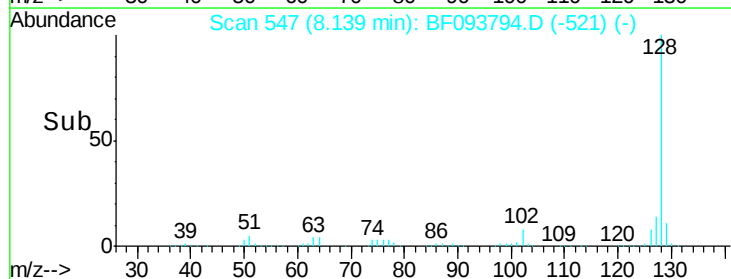
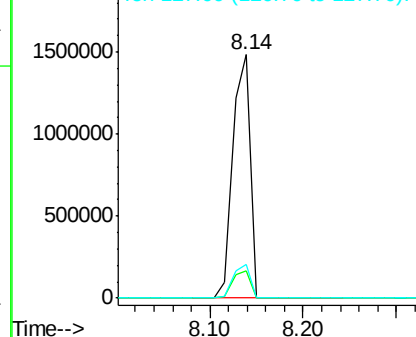


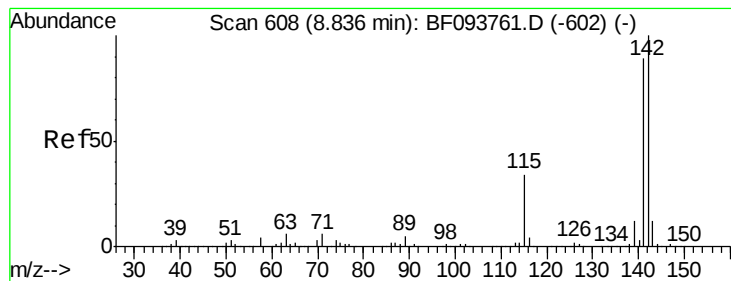
#31
 Naphthalene
 Concen: 52.52 ng
 RT: 8.14 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BF093794.D
 Acq: 21 Mar 2017 13:24

Tgt Ion: 128 Resp: 1928072
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.0 13.6
 127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 9.77 ng

RT: 8.82 min Scan# 607

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

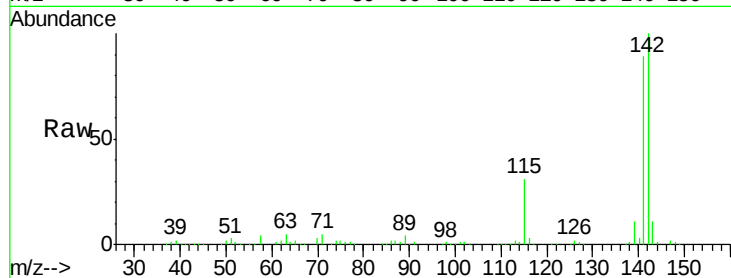
Tgt Ion:142 Resp: 234051

Ion Ratio Lower Upper

142 100

141 88.8 71.3 106.9

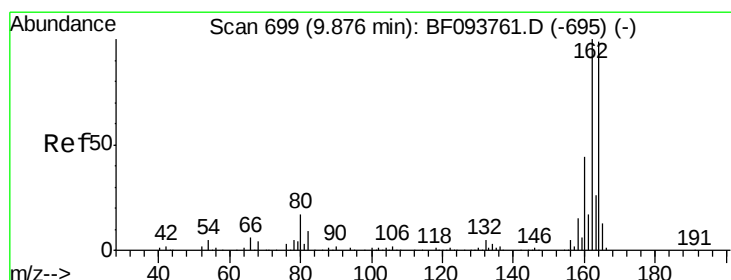
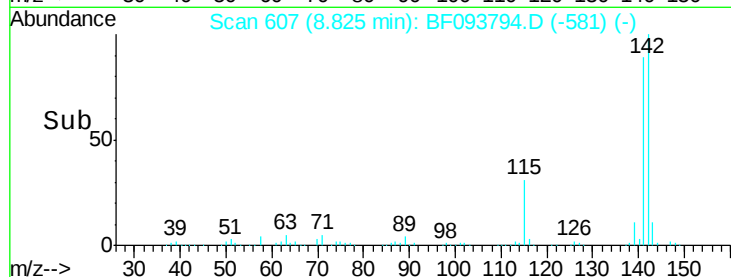
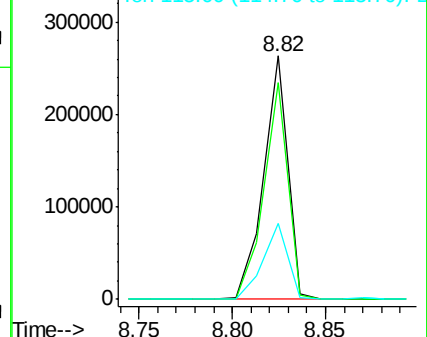
115 31.0 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

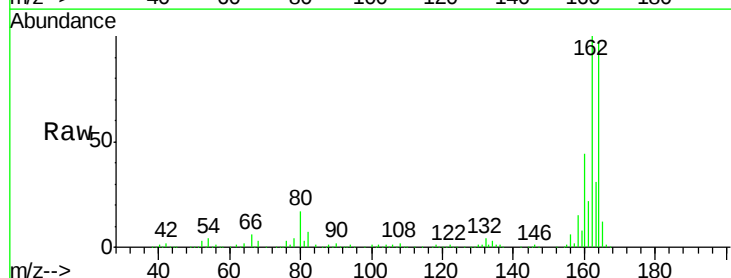
Tgt Ion:164 Resp: 375234

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

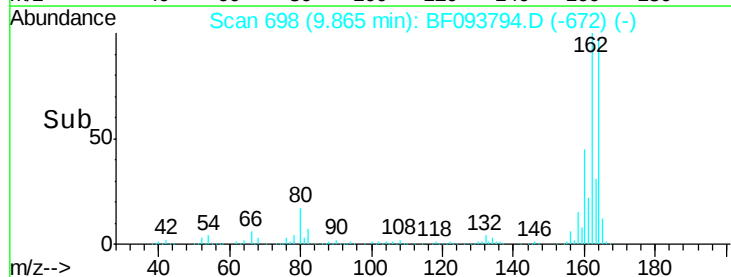
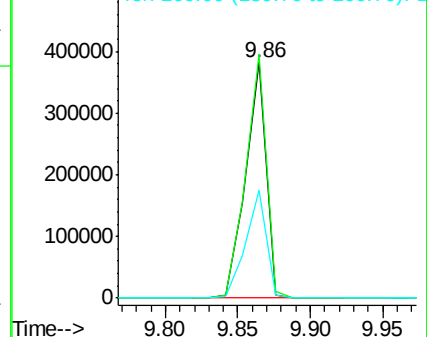
160 46.0 36.2 54.2

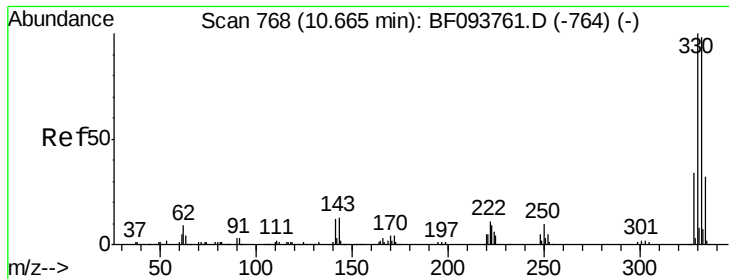


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

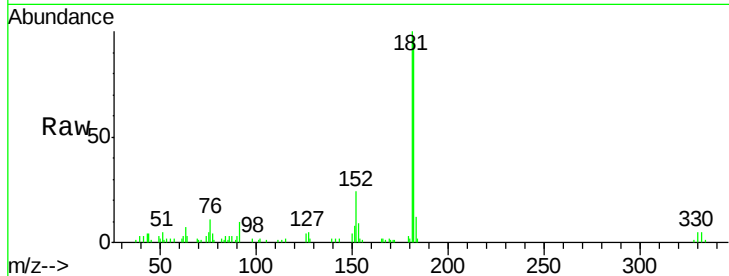




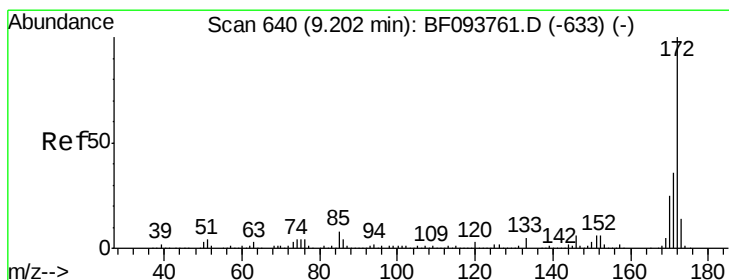
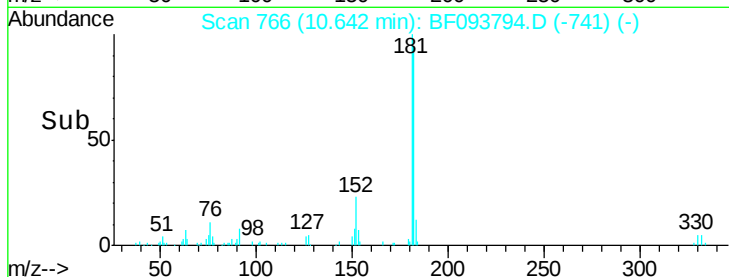
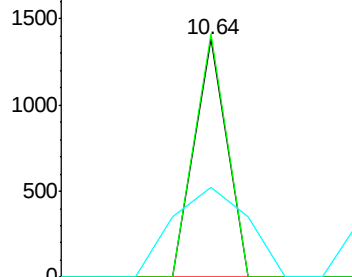
#41
 2,4,6-Tribromophenol
 Concen: 0.33 ng
 RT: 10.64 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF093794.D
 Acq: 21 Mar 2017 13:24

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-4DL

Tgt Ion:330 Resp: 947
 Ion Ratio Lower Upper
 330 100
 332 102.3 76.6 115.0
 141 88.4 31.4 47.2#

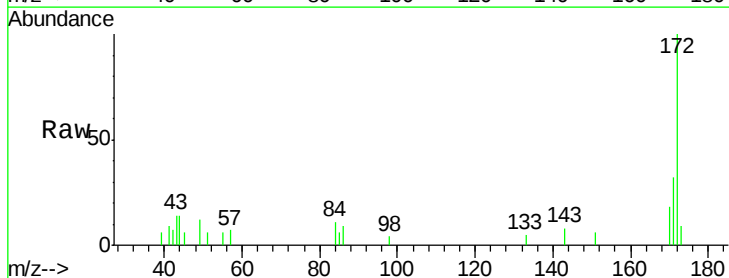


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

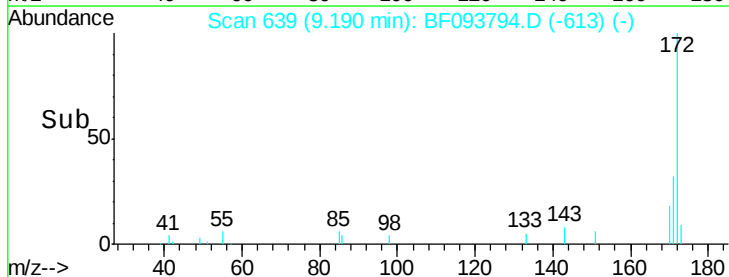
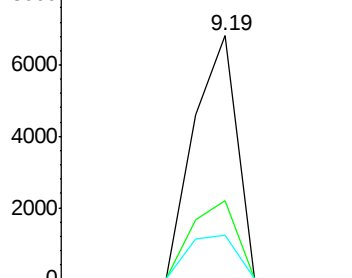


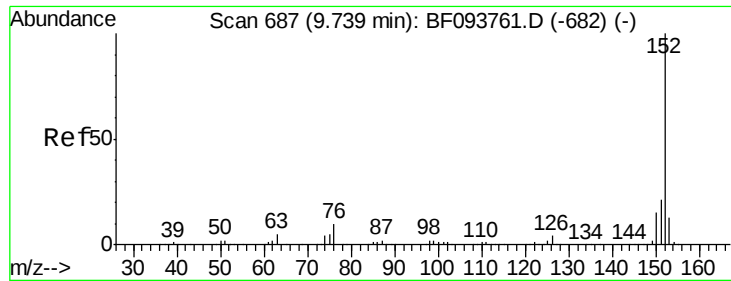
#44
 2-Fluorobiphenyl
 Concen: 0.35 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF093794.D
 Acq: 21 Mar 2017 13:24

Tgt Ion:172 Resp: 7835
 Ion Ratio Lower Upper
 172 100
 171 32.2 29.6 44.4
 170 17.9 19.8 29.8#



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





#48

Acenaphthylene

Concen: 7.07 ng

RT: 9.72 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

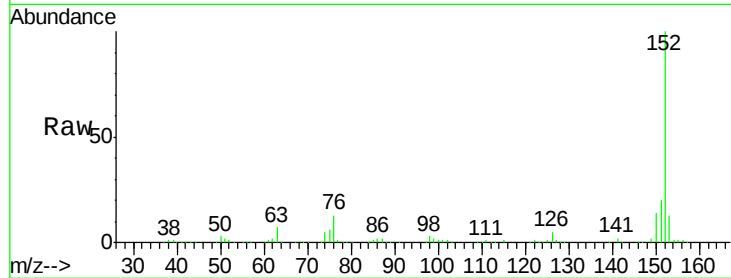
Tgt Ion:152 Resp: 268865

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

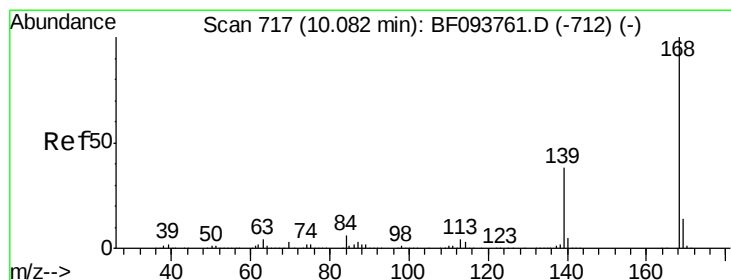
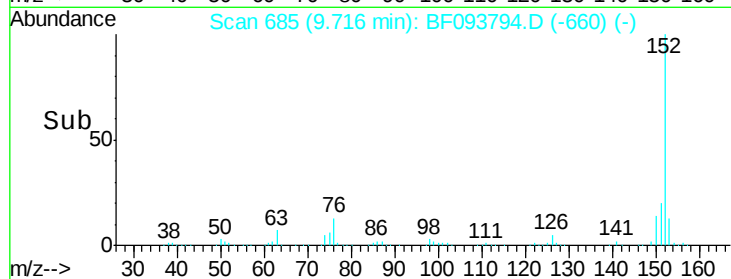
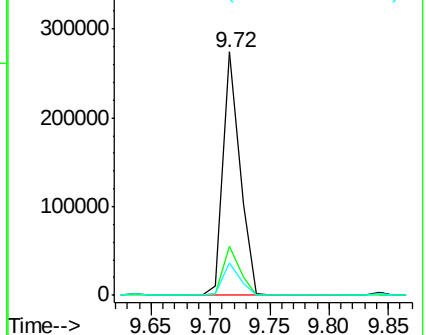
153 13.5 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 6.89 ng

RT: 10.06 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

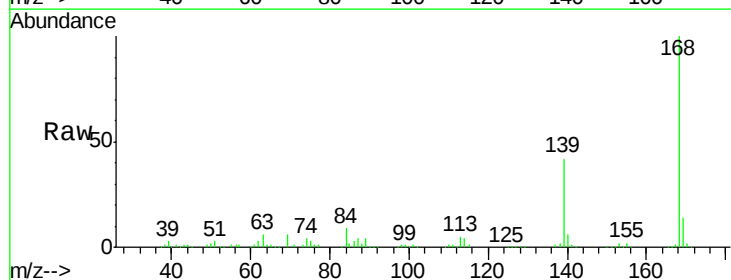
Tgt Ion:168 Resp: 210687

Ion Ratio Lower Upper

168 100

139 42.1 30.6 45.8

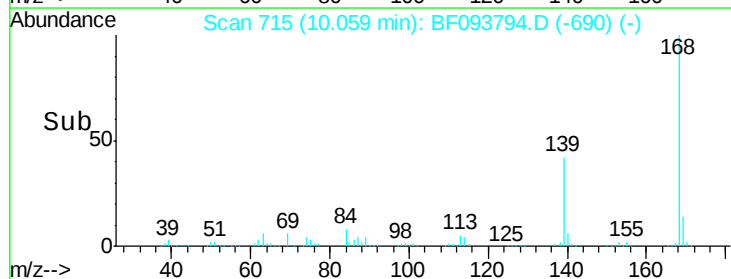
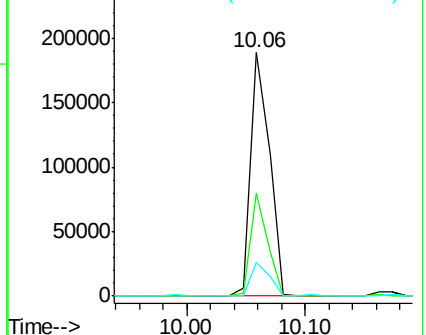
169 13.7 10.8 16.2

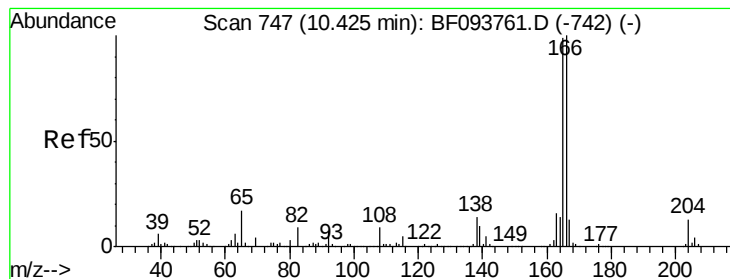


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 10.21 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

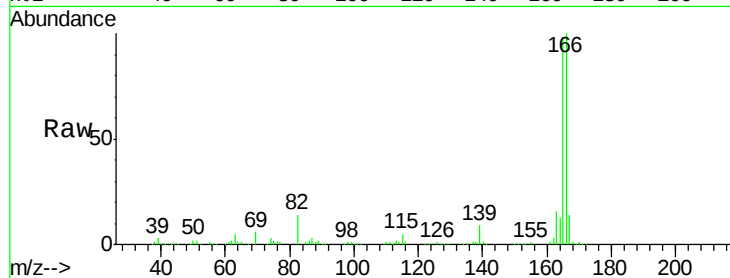
Tgt Ion:166 Resp: 239086

Ion Ratio Lower Upper

166 100

165 98.2 78.8 118.2

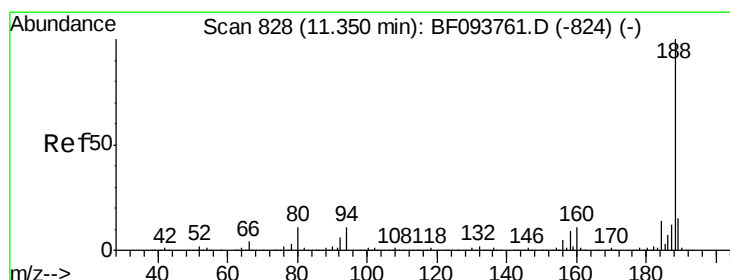
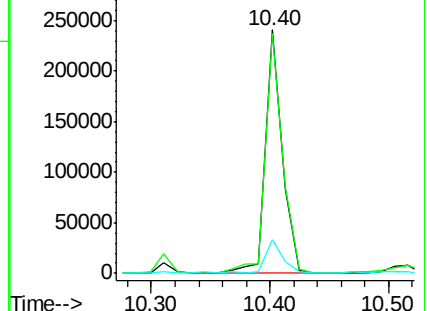
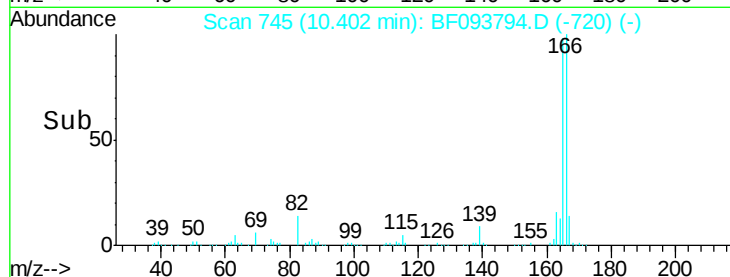
167 14.1 10.6 16.0



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: 11.34 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

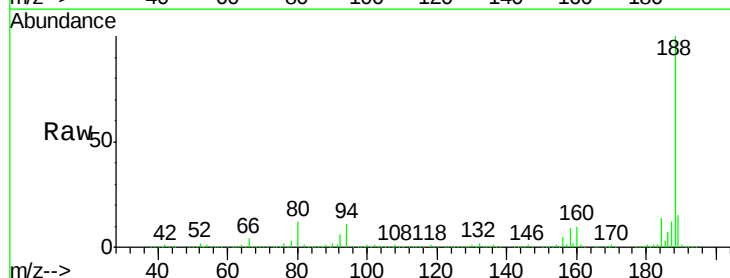
Tgt Ion:188 Resp: 643109

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

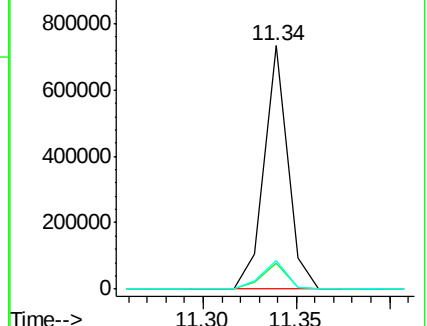
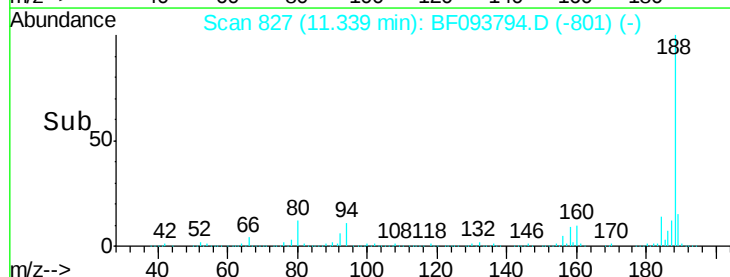
80 11.5 10.2 15.2

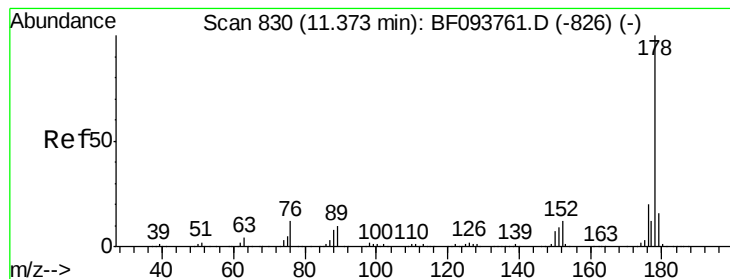


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 25.62 ng

RT: 11.36 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

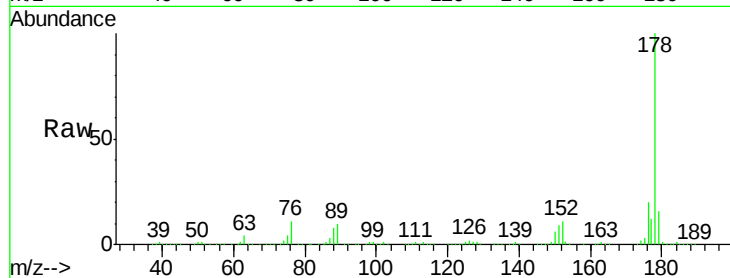
Tgt Ion:178 Resp: 877526

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

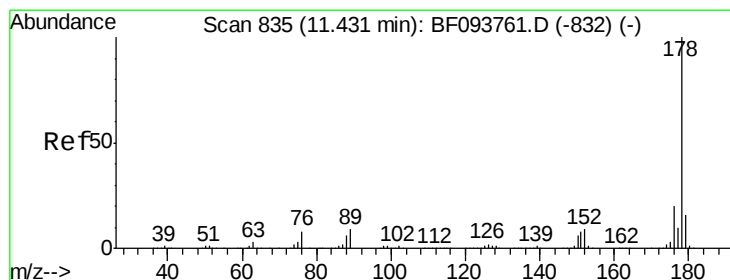
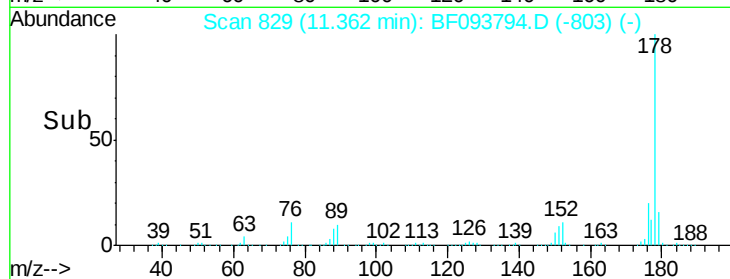
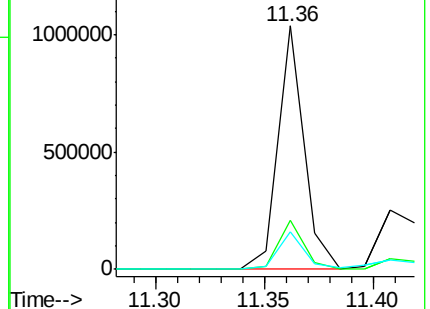
179 15.6 12.6 19.0



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: 9.16 ng

RT: 11.41 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

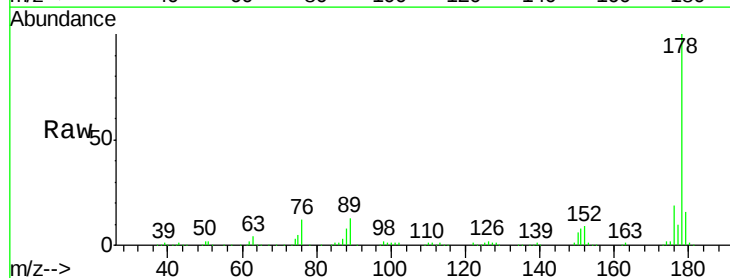
Tgt Ion:178 Resp: 323162

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

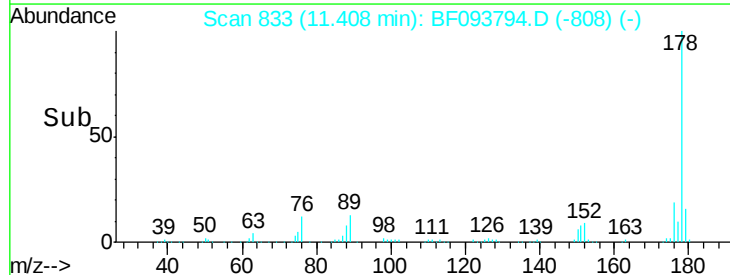
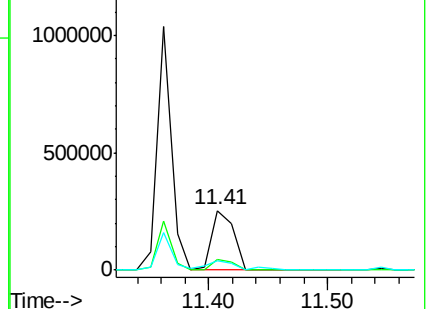
179 15.9 12.7 19.1

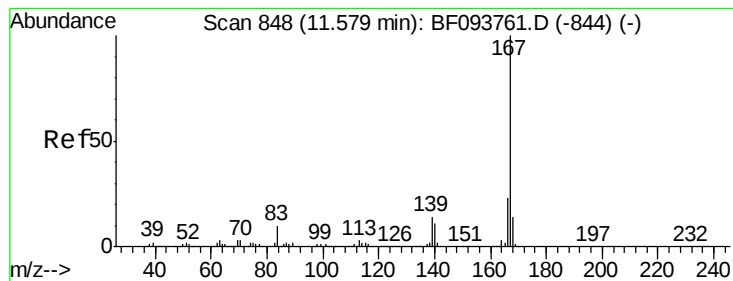


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.46 ng

RT: 11.57 min Scan# 847

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

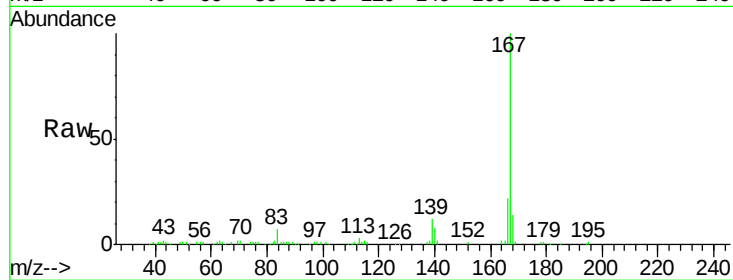
Tgt Ion:167 Resp: 120782

Ion Ratio Lower Upper

167 100

166 21.7 18.1 27.1

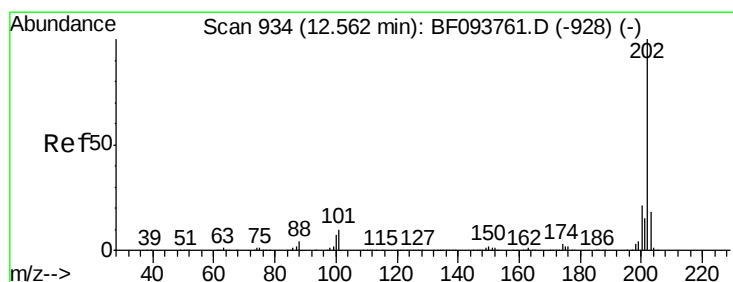
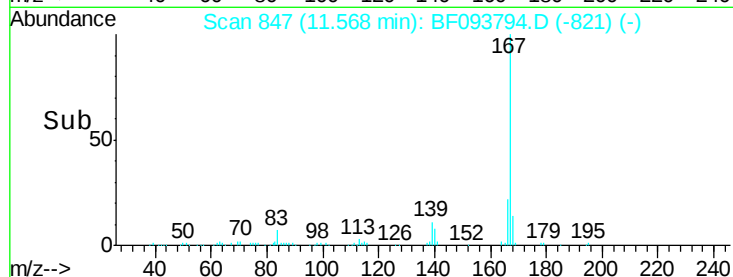
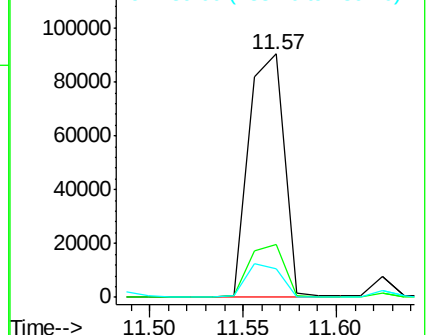
139 11.7 11.7 17.5#



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: 17.51 ng

RT: 12.55 min Scan# 933

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

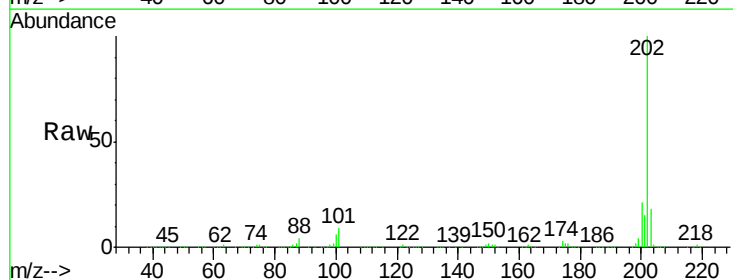
Tgt Ion:202 Resp: 616341

Ion Ratio Lower Upper

202 100

101 8.6 0.0 33.2

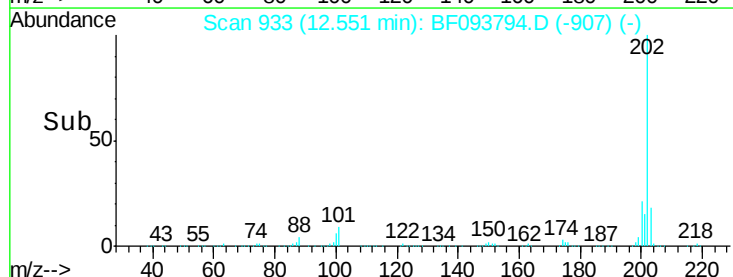
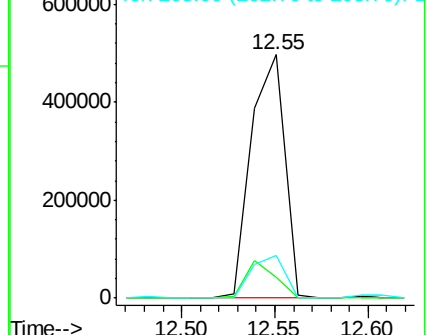
203 17.6 0.0 38.1

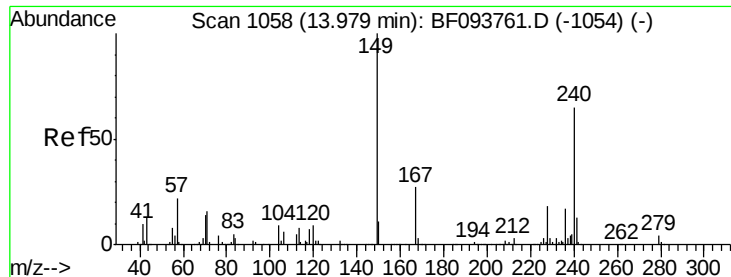


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

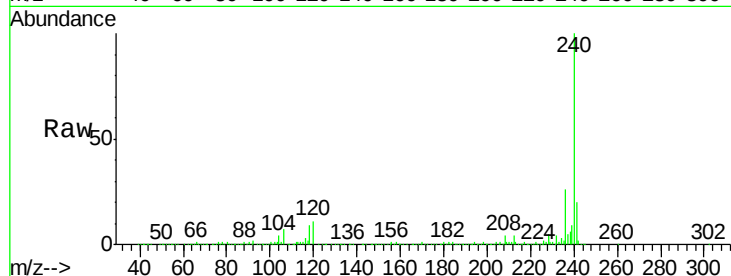
Tgt Ion:240 Resp: 475519

Ion Ratio Lower Upper

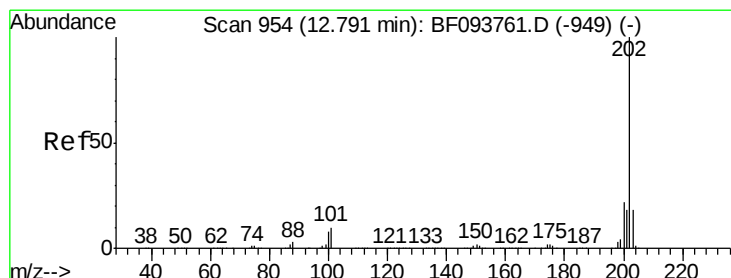
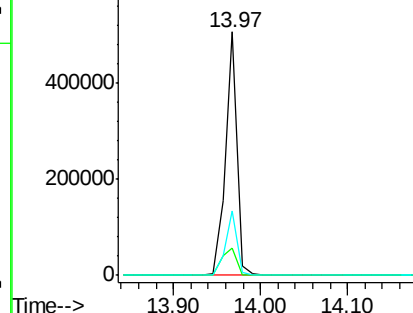
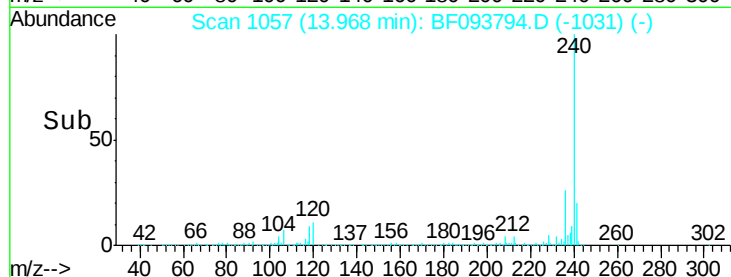
240 100

120 11.2 5.8 8.8#

236 26.3 20.5 30.7



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: 12.16 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

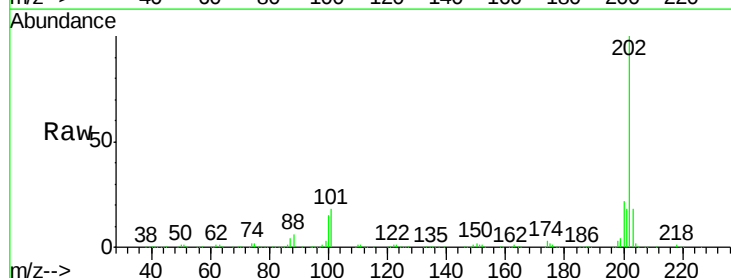
Tgt Ion:202 Resp: 481292

Ion Ratio Lower Upper

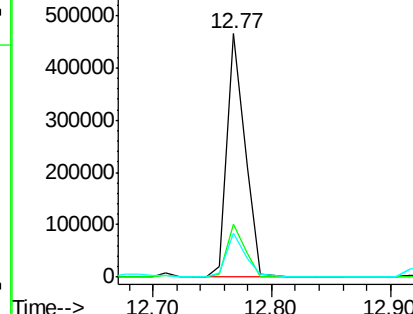
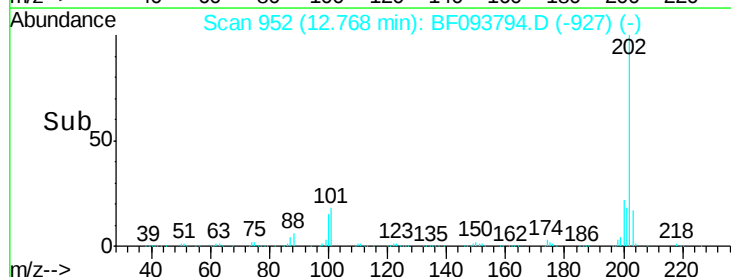
202 100

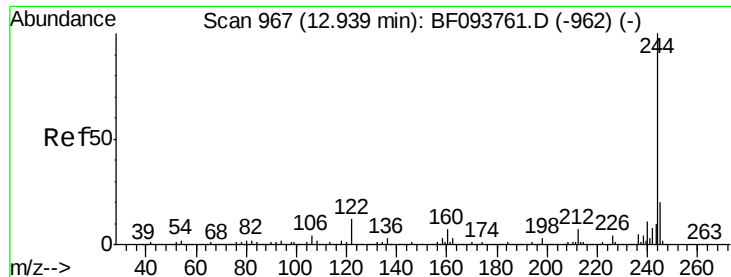
200 22.0 17.6 26.4

203 17.9 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

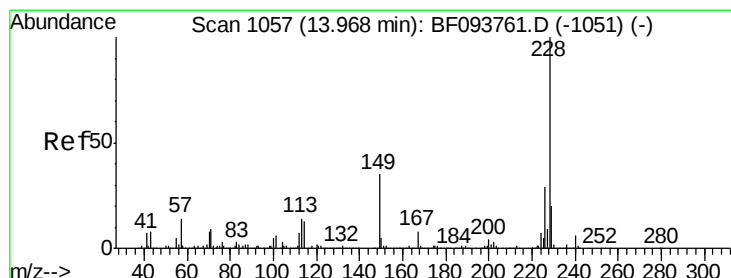
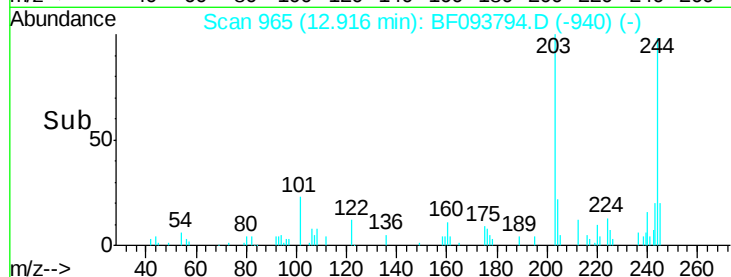
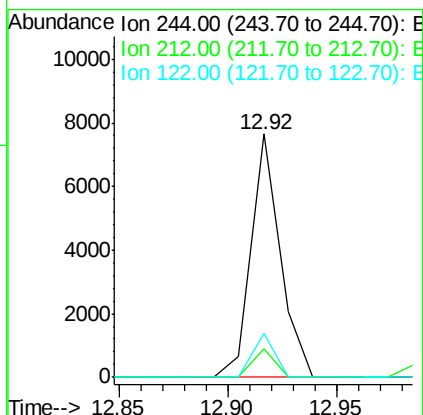
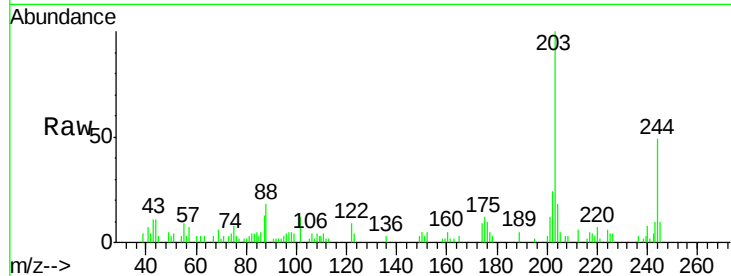




#78
 Terphenyl-d14
 Concen: 0.30 ng
 RT: 12.92 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF093794.D
 Acq: 21 Mar 2017 13:24

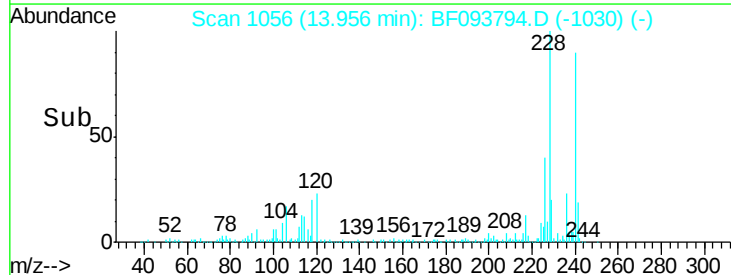
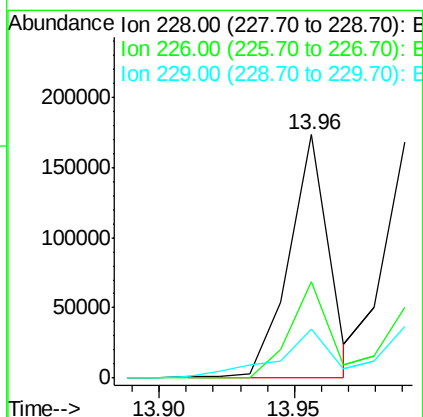
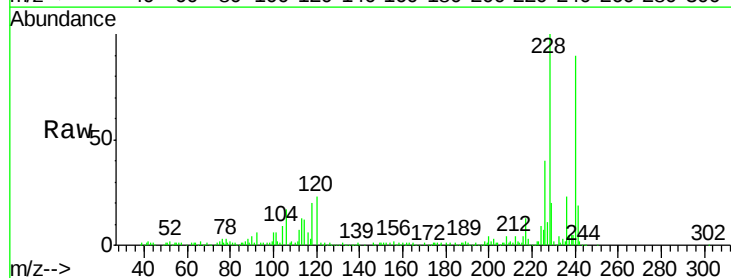
Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-4DL

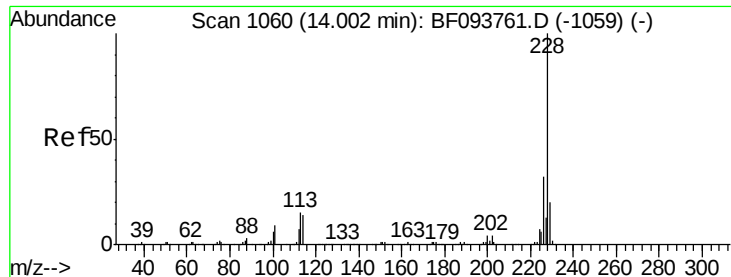
Tgt Ion:244 Resp: 7095
 Ion Ratio Lower Upper
 244 100
 212 11.9 6.0 9.0#
 122 18.3 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 5.90 ng m
 RT: 13.96 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: BF093794.D
 Acq: 21 Mar 2017 13:24

Tgt Ion:228 Resp: 175661
 Ion Ratio Lower Upper
 228 100
 226 39.7 22.6 33.8#
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 5.38 ng m

RT: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

Instrument :

BNA_F

ClientSampleId :

CTMIX-4DL

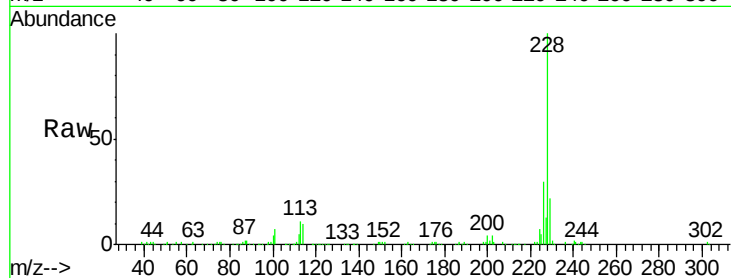
Tgt Ion: 228 Resp: 160202

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

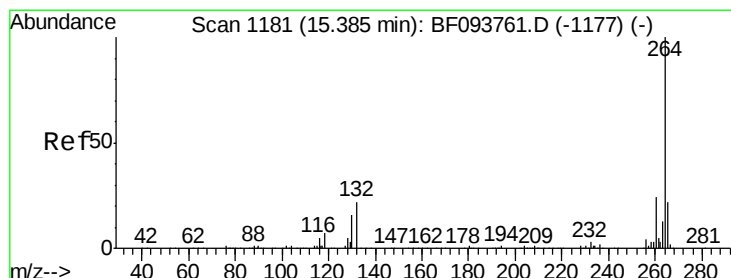
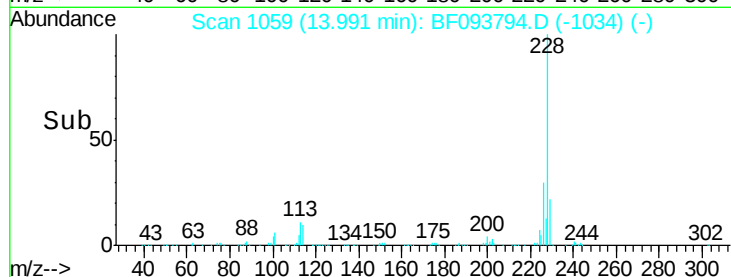
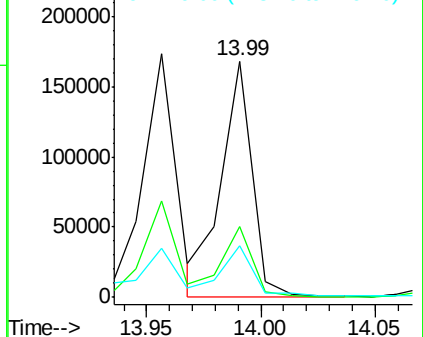
229 22.0 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF093794.D

Acq: 21 Mar 2017 13:24

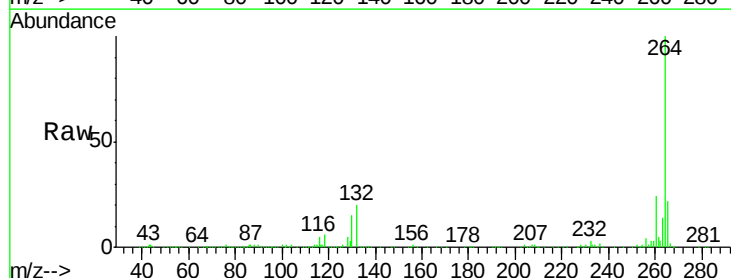
Tgt Ion: 264 Resp: 326112

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

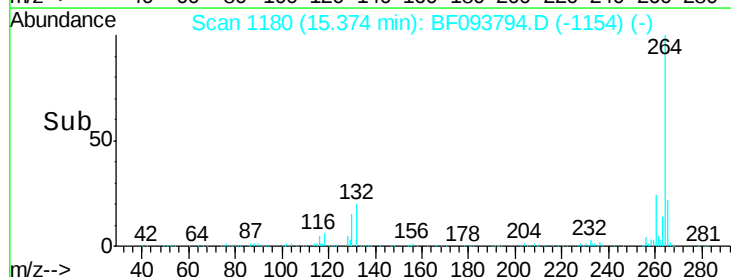
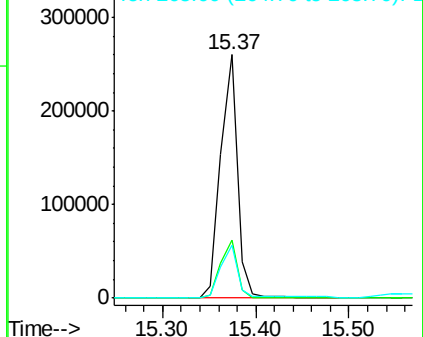
265 21.9 17.2 25.8

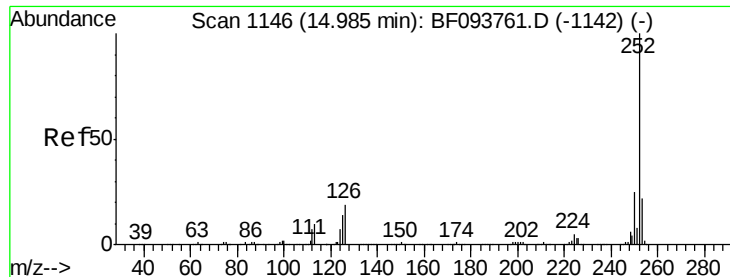


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

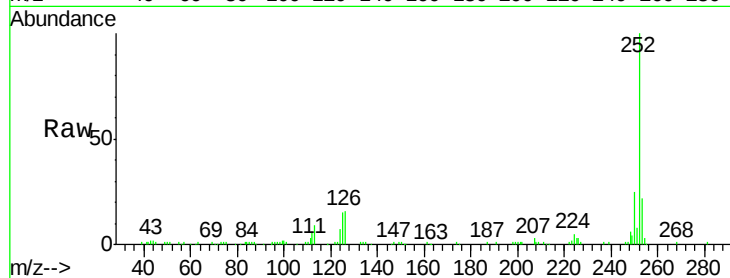




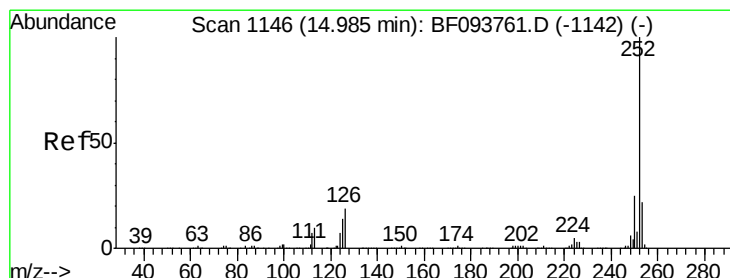
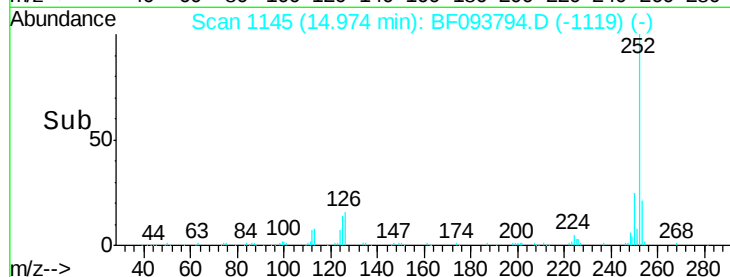
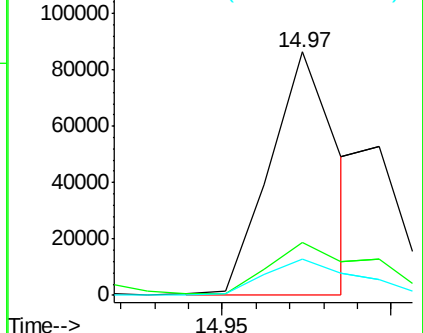
#87
Benzo(b)fluoranthene
Concen: 5.52 ng m
RT: 14.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF093794.D
Acq: 21 Mar 2017 13:24

Instrument :
BNA_F
ClientSampleId :
CTMIX-4DL

Tgt Ion:252 Resp: 121333
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 14.8 9.8 14.8#

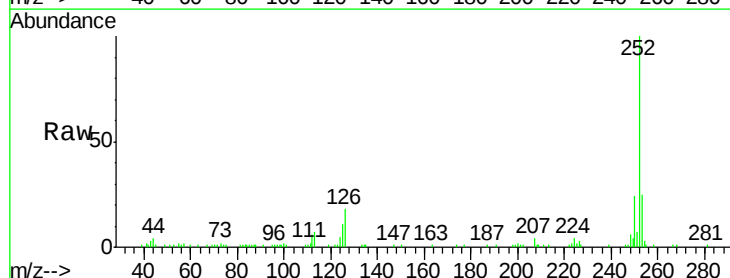


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

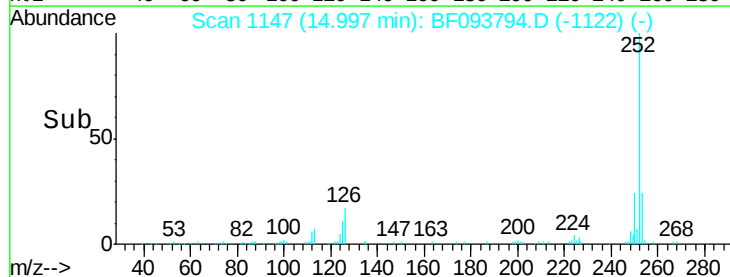
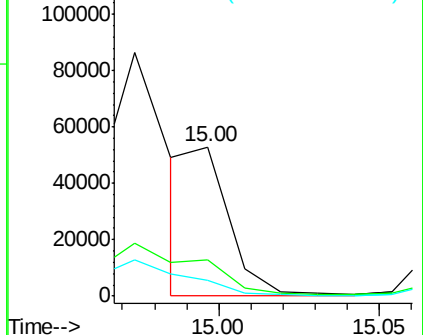


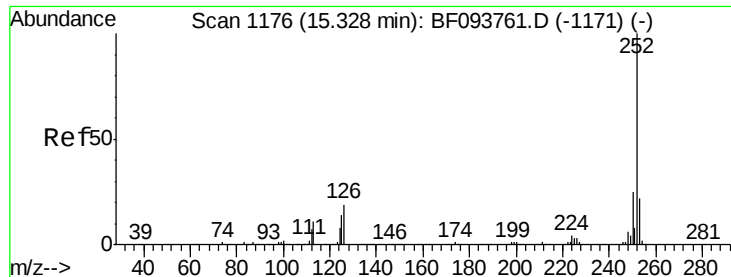
#88
Benzo(k)fluoranthene
Concen: 2.79 ng m
RT: 15.00 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF093794.D
Acq: 21 Mar 2017 13:24

Tgt Ion:252 Resp: 45217
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 10.8 13.1 19.7#



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

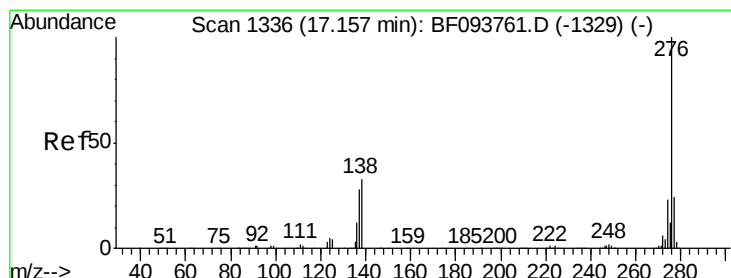
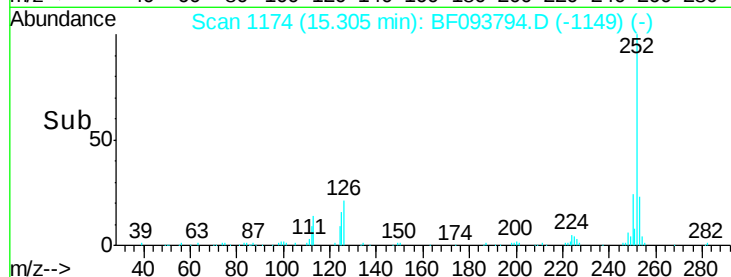
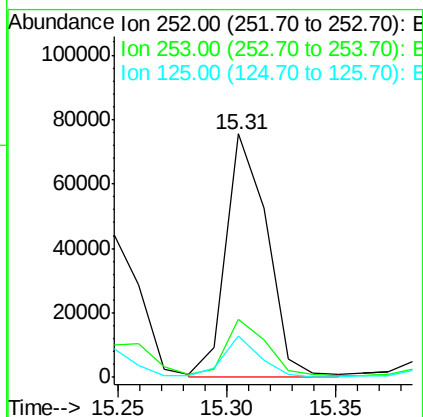
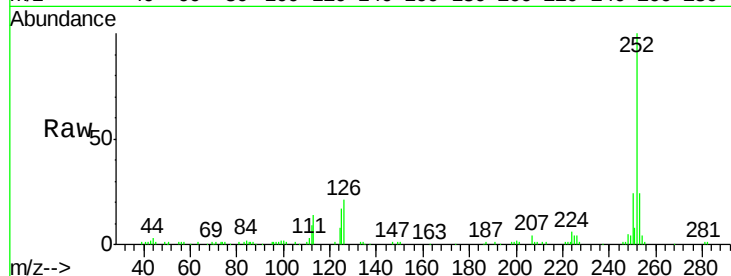




#89
Benzo(a)pyrene
Concen: 5.55 ng
RT: 15.31 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF093794.D
Acq: 21 Mar 2017 13:24

Instrument :
BNA_F
ClientSampleId :
CTMIX-4DL

Tgt Ion:252 Resp: 98986
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 16.8 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.31 ng
RT: 17.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF093794.D
Acq: 21 Mar 2017 13:24

Tgt Ion:276 Resp: 48634
Ion Ratio Lower Upper
276 100
277 22.9 18.6 28.0
138 28.9 25.4 38.0

