

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093790.D
 Acq On : 21 Mar 2017 3:12
 Operator : SJ/MA
 Sample : I2280-07 50X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-4

Quant Time: Mar 21 03:45:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	229611	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	854426	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	381766	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	591673	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	396246	20.00	ng	-0.02
86) Perylene-d12	15.39	264	342995	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	28050	2.14	ng	-0.02
7) Phenol-d6	6.45	99	35779	2.21	ng	-0.03
23) Nitrobenzene-d5	7.38	82	17495	1.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	3210	1.09	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	41356	1.82	ng	-0.02
78) Terphenyl-d14	12.93	244	28304	1.46	ng	-0.02

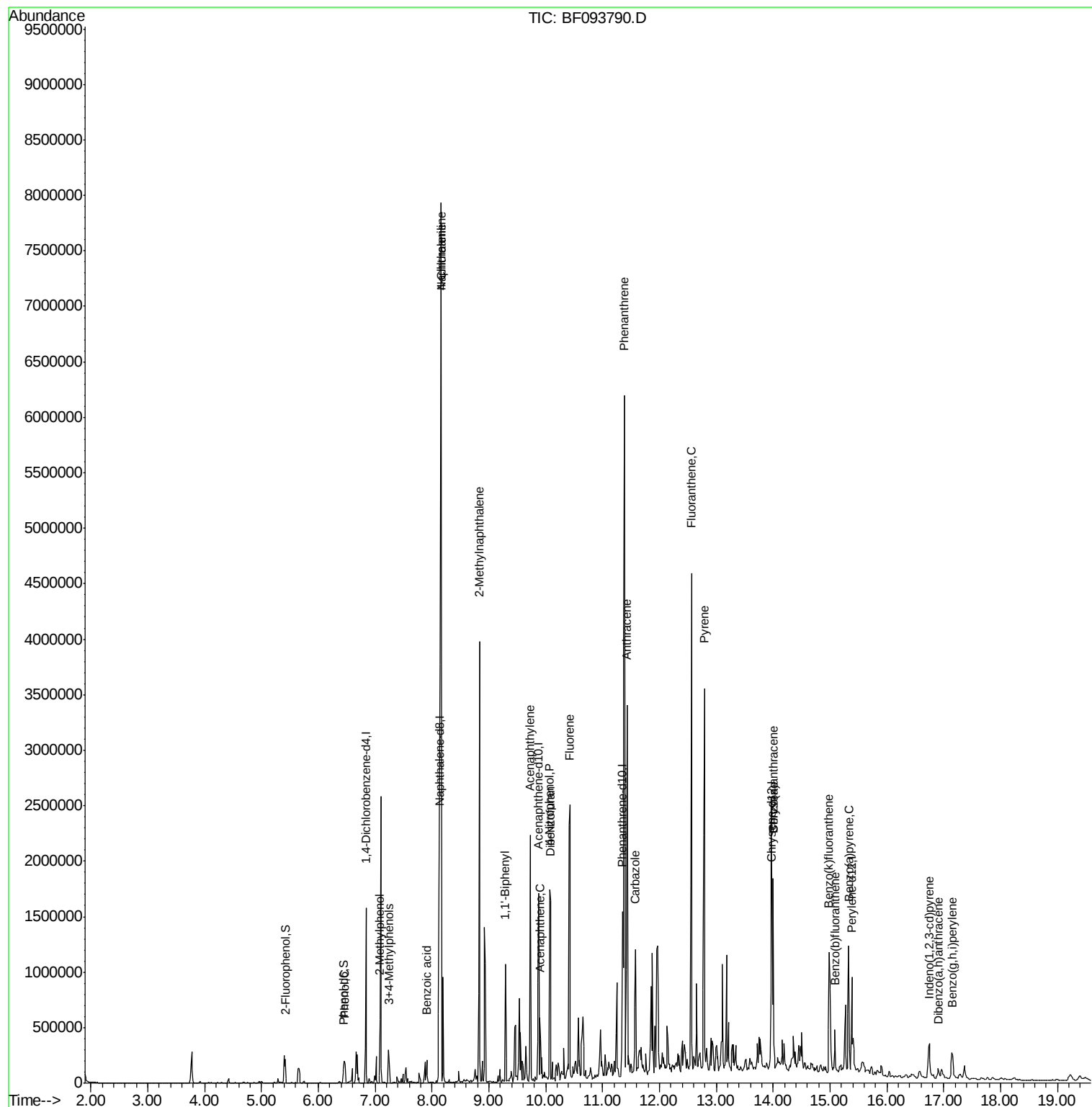
Target Compounds				Qvalue		
10) Phenol	6.47	94	86666	4.75	ng	80
17) 2-Methylphenol	7.09	107	27071	2.14	ng	96
20) 3+4-Methylphenols	7.24	107	71958	4.80	ng	# 62
31) Naphthalene	8.16	128	6066262	152.96	ng	97
32) Benzoic acid	7.91	122	18965	2.28	ng	# 16
33) 4-Chloroaniline	8.16	127	895283	52.53	ng	# 35
37) 2-Methylnaphthalene	8.84	142	1035112	39.98	ng	99
45) 1,1'-Biphenyl	9.29	154	305172	9.84	ng	96
48) Acenaphthylene	9.73	152	1275150	32.94	ng	99
51) Acenaphthene	9.90	154	150489	6.51	ng	99
54) Dibenzofuran	10.08	168	995651	32.00	ng	94
55) 4-Nitrophenol	10.07	139	371853	69.14	ng	# 27
57) Fluorene	10.42	166	1099016	46.12	ng	100
70) Phenanthrene	11.38	178	2894345	91.85	ng	99
71) Anthracene	11.43	178	1280038	39.46	ng	100
72) Carbazole	11.58	167	533368	16.61	ng	97
74) Fluoranthene	12.56	202	1834520	56.64	ng	99
77) Pyrene	12.79	202	1667222	50.56	ng	100
80) Benzo(a)anthracene	14.00	228	480009	19.34	ng	95
82) Chrysene	14.00	228	480009	19.36	ng	97
85) Indeno(1,2,3-cd)pyrene	16.75	276	201228	9.91	ng	95
87) Benzo(b)fluoranthene	15.09	252	159357	6.89	ng	96
88) Benzo(k)fluoranthene	14.99	252	832057	48.73	ng	99
89) Benzo(a)pyrene	15.33	252	491525	26.21	ng	99
90) Dibenzo(a,h)anthracene	16.91	278	50481	3.24	ng	94
91) Benzo(g,h,i)perylene	17.15	276	177511	11.49	ng	98

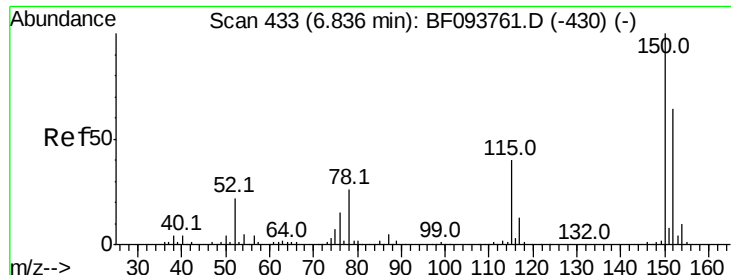
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093790.D
Acq On : 21 Mar 2017 3:12
Operator : SJ/MA
Sample : I2280-07 50X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTMIX-4

Quant Time: Mar 21 03:45:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 16:03:59 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

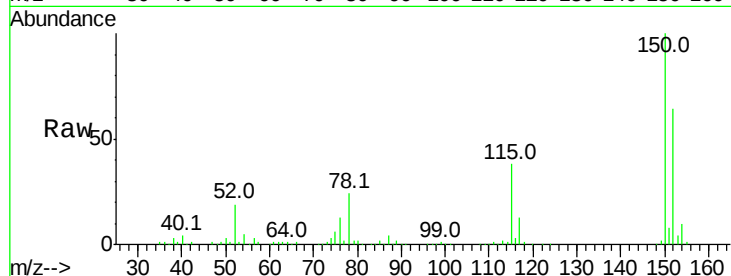
Tot Ion:152 Resp: 229611

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

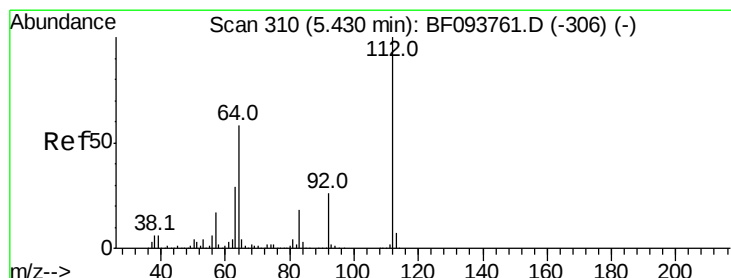
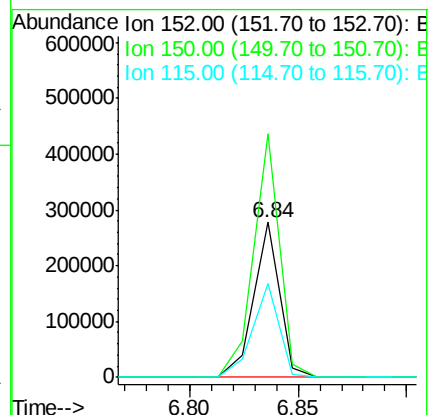
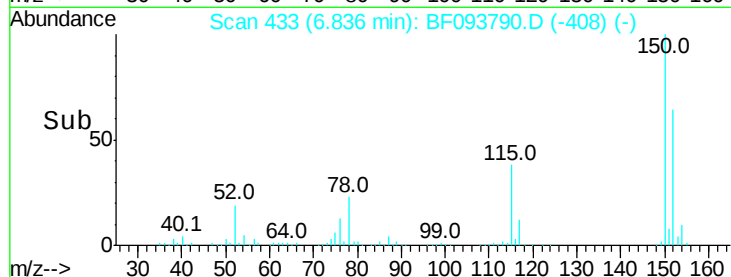
115 60.4 52.2 78.2



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: 2.14 ng

RT: 5.42 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

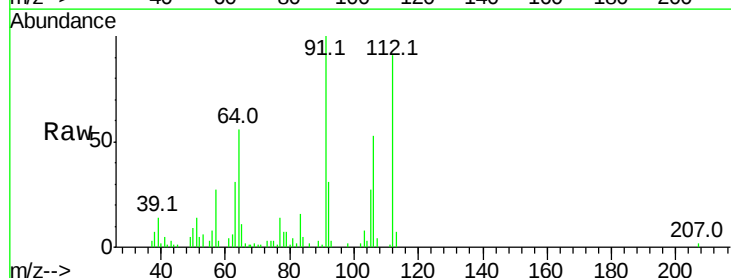
Tgt Ion:112 Resp: 28050

Ion Ratio Lower Upper

112 100

64 61.8 46.0 69.0

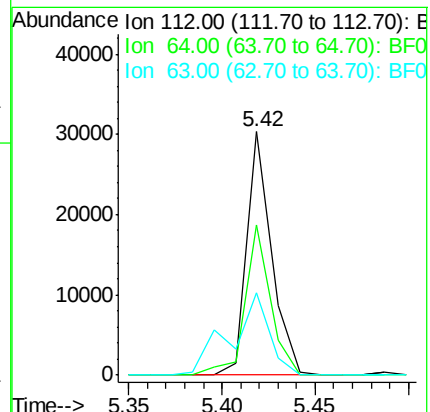
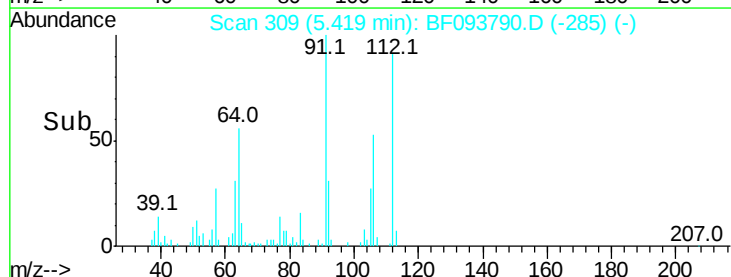
63 33.7 23.4 35.0

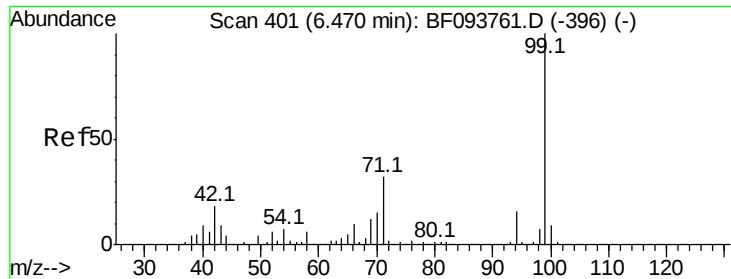


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.21 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

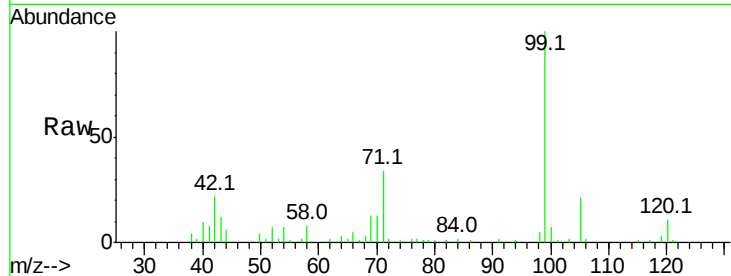
Tot Ion: 99 Resp: 35779

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

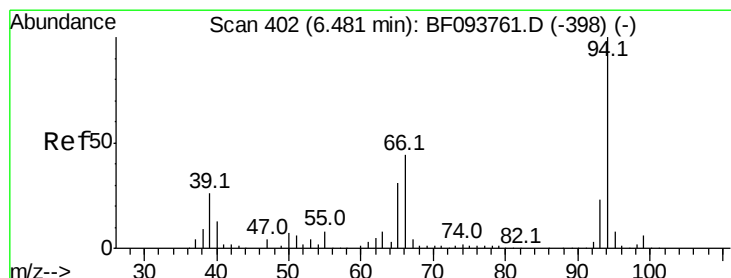
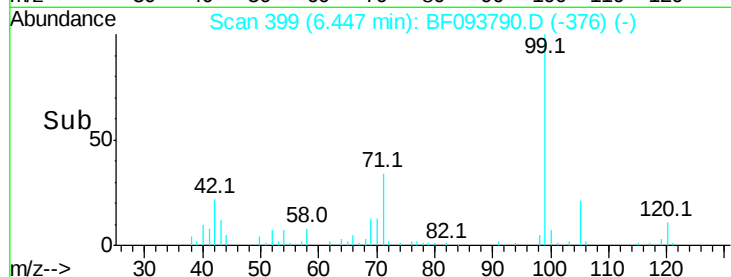
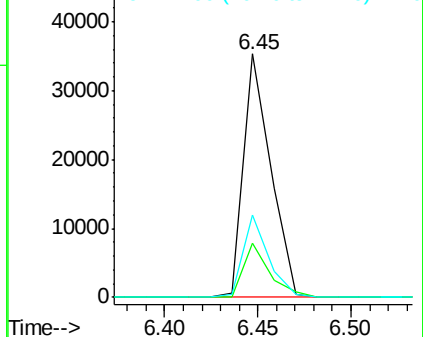
71 33.9 24.5 36.7



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



#10

Phenol

Concen: 4.75 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

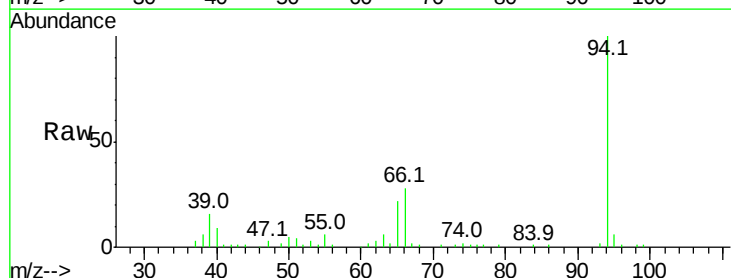
Tgt Ion: 94 Resp: 86666

Ion Ratio Lower Upper

94 100

65 22.2 9.9 49.9

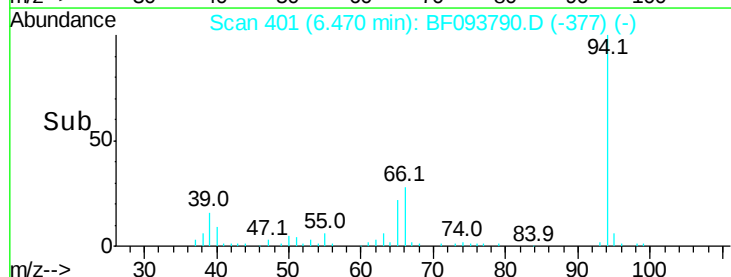
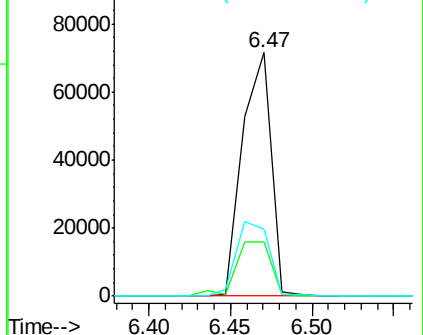
66 27.5 23.1 63.1

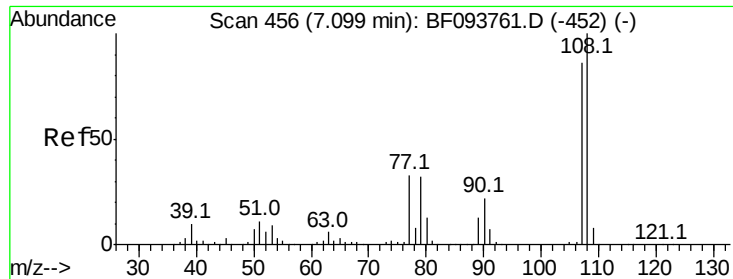


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

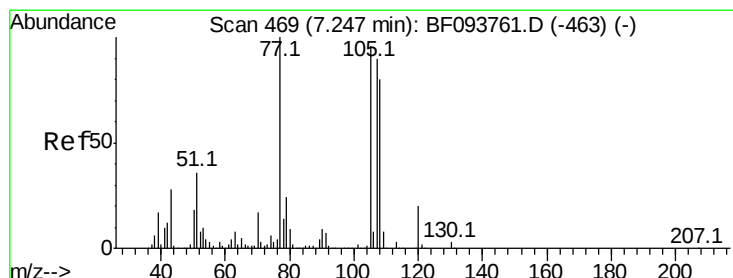
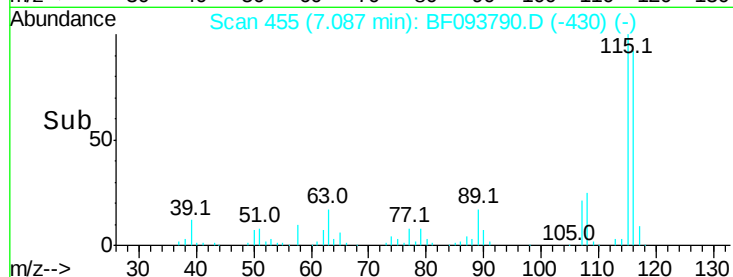
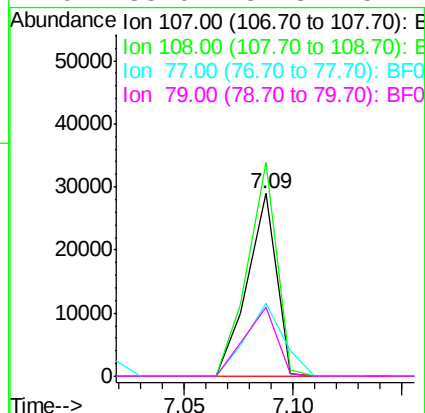
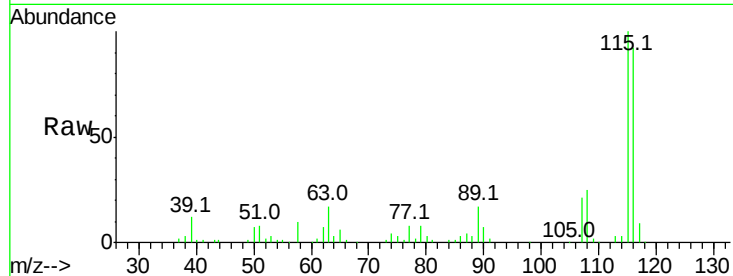




#17
2-Methylphenol
Concen: 2.14 ng
RT: 7.09 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

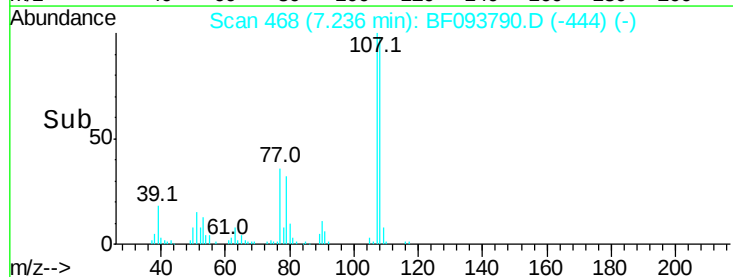
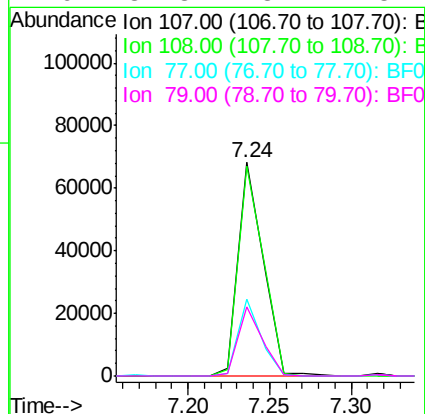
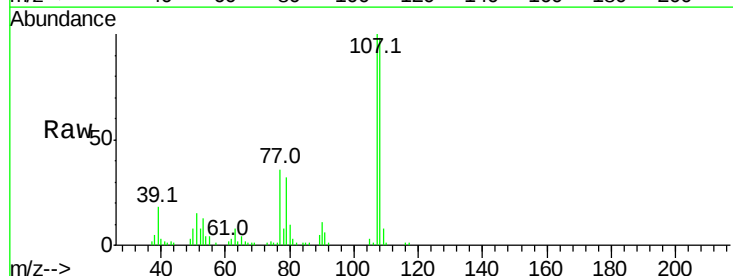
Instrument :
BNA_F
ClientSampleId :
CTMIX-4

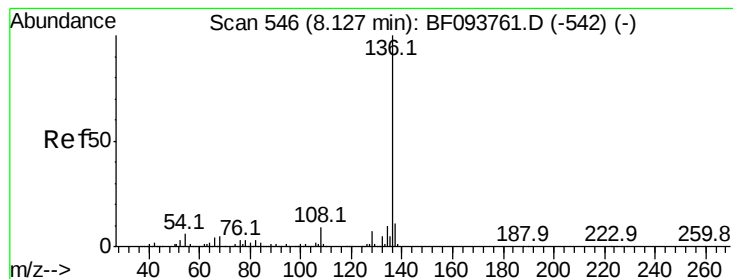
Tot Ion:	107	Resp:	27071
Ion	Ratio	Lower	Upper
107	100		
108	116.9	93.4	140.0
77	39.7	35.8	53.6
79	38.0	34.8	52.2



#20
3+4-Methylphenols
Concen: 4.80 ng
RT: 7.24 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Tgt Ion:	107	Resp:	71958
Ion	Ratio	Lower	Upper
107	100		
108	98.0	71.0	111.0
77	35.7	90.5	130.5#
79	32.3	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

Tot Ion:136 Resp: 854426

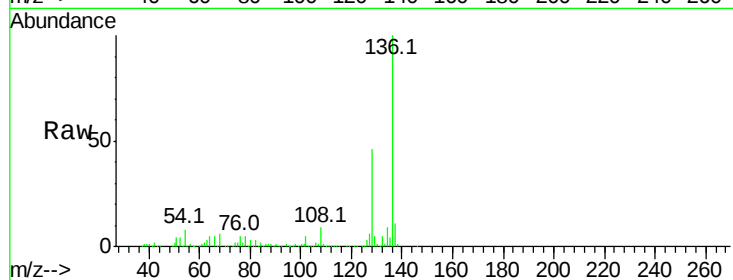
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.6 4.9 7.3#

68 6.0 4.1 6.1

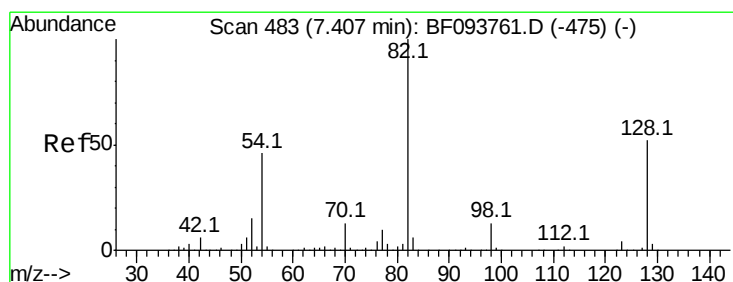
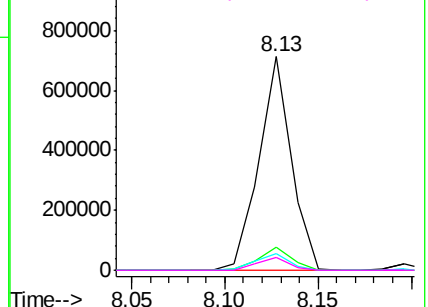
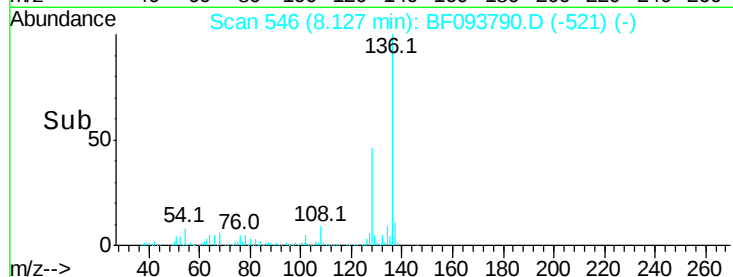


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.16 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

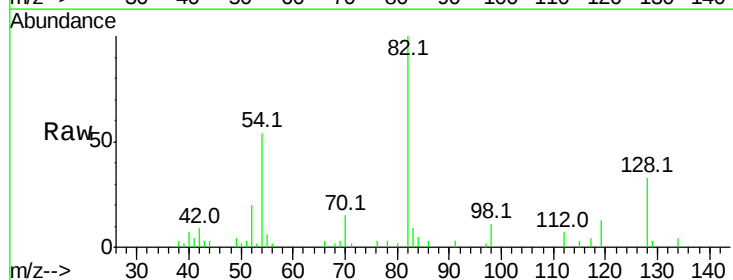
Tgt Ion: 82 Resp: 17495

Ion Ratio Lower Upper

82 100

128 33.0 34.0 51.0#

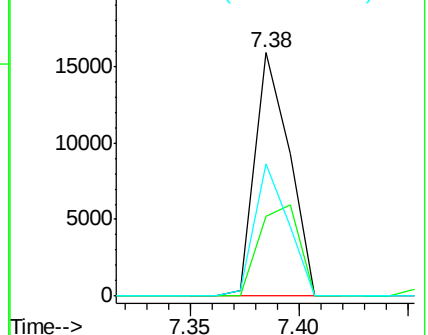
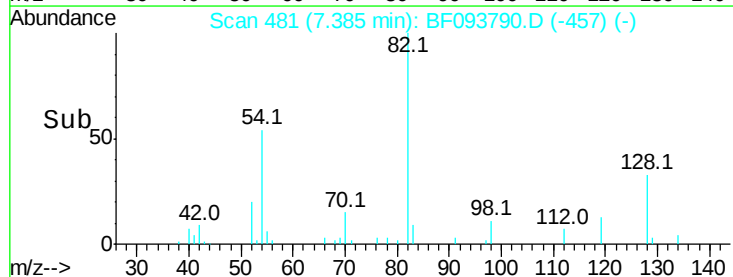
54 54.1 42.2 63.2

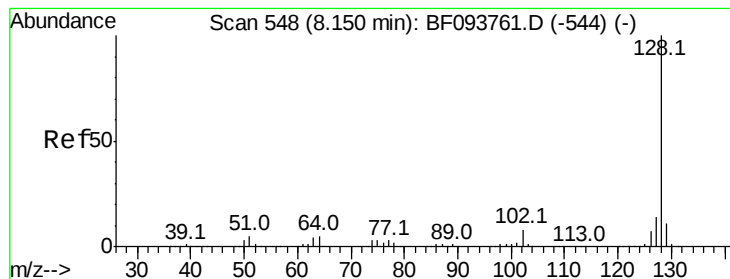


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 152.96 ng

RT: 8.16 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

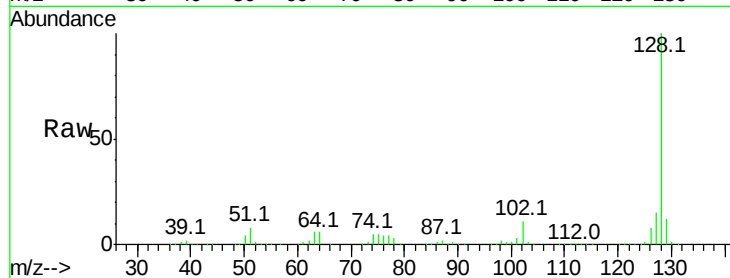
Tot Ion:128 Resp: 6066262

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

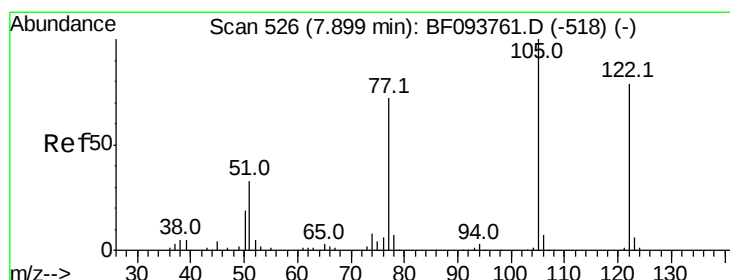
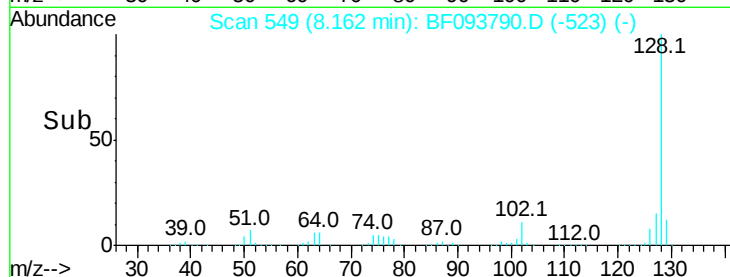
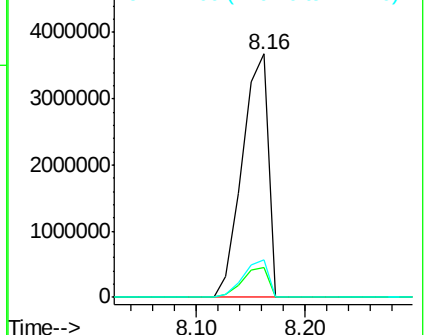
127 15.3 10.8 16.2



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



#32

Benzoic acid

Concen: 2.28 ng

RT: 7.91 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

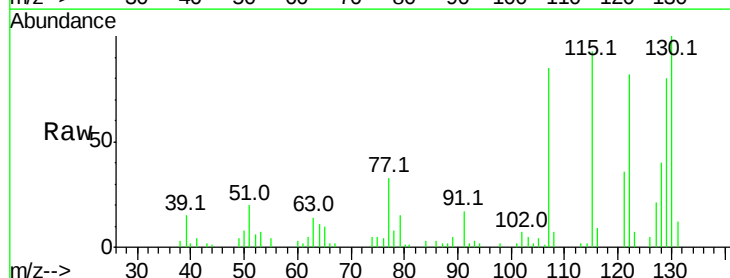
Tgt Ion:122 Resp: 18965

Ion Ratio Lower Upper

122 100

105 4.4 103.3 143.3#

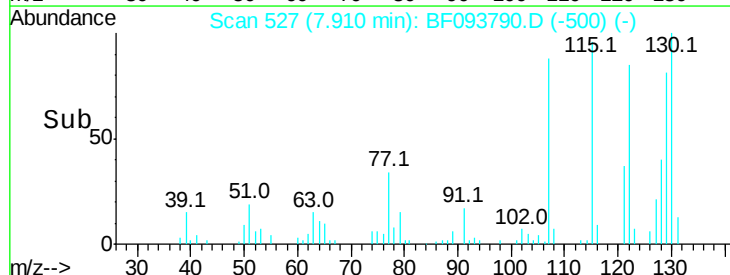
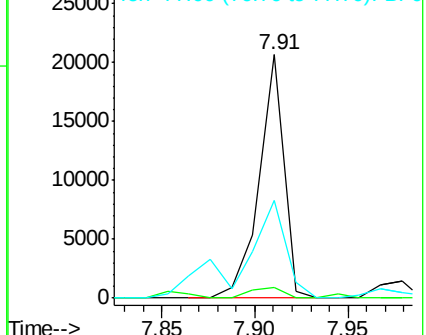
77 40.0 73.7 113.7#

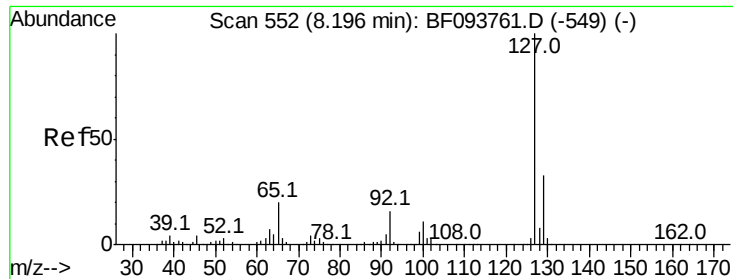


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

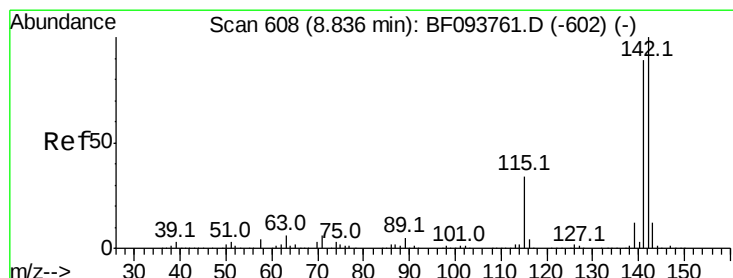
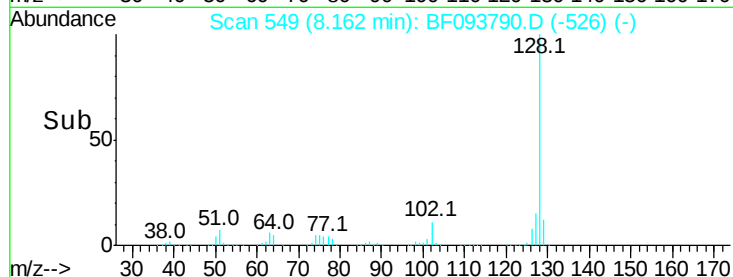
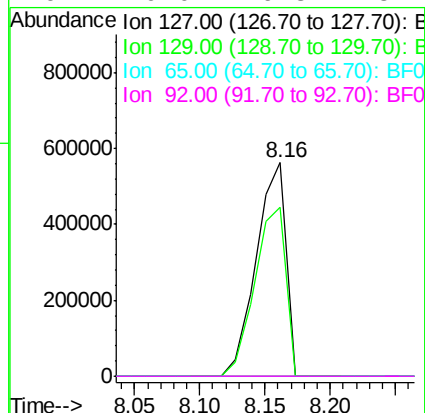
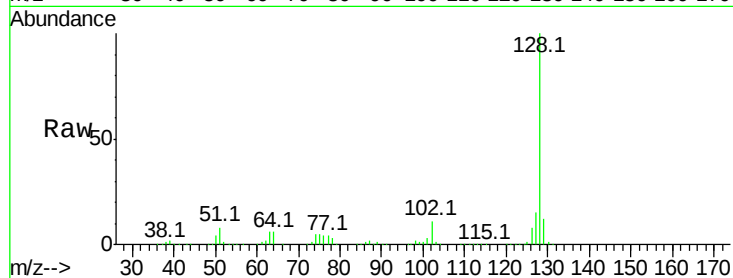




#33
4-Chloroaniline
Concen: 52.53 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

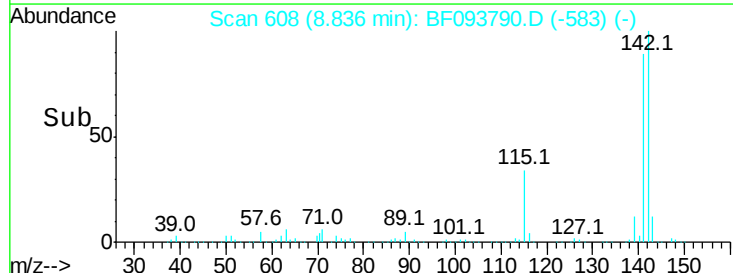
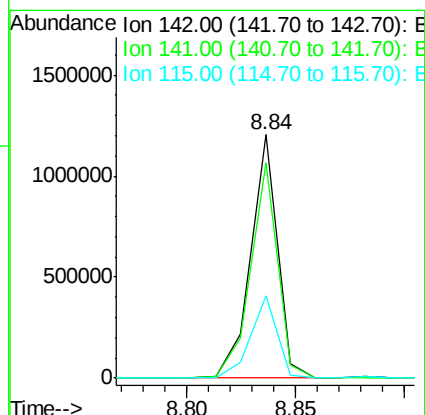
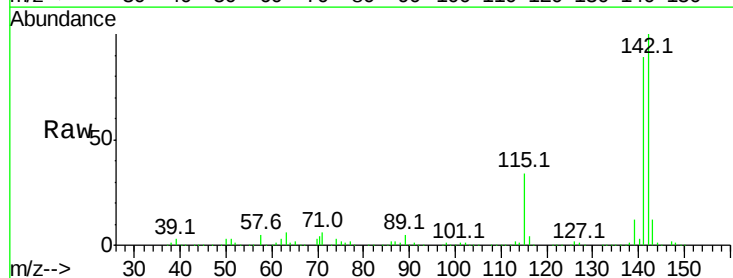
Instrument :
BNA_F
ClientSampleId :
CTMIX-4

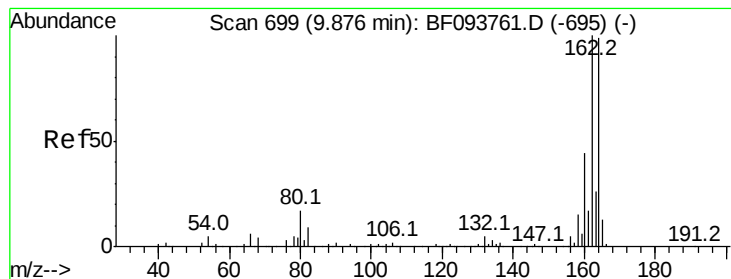
Tot Ion:	127	Resp:	895283
Ion	Ratio	Lower	Upper
127	100		
129	78.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 39.98 ng
RT: 8.84 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Tgt Ion:	142	Resp:	1035112
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	33.6	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampled :

CTMIX-4

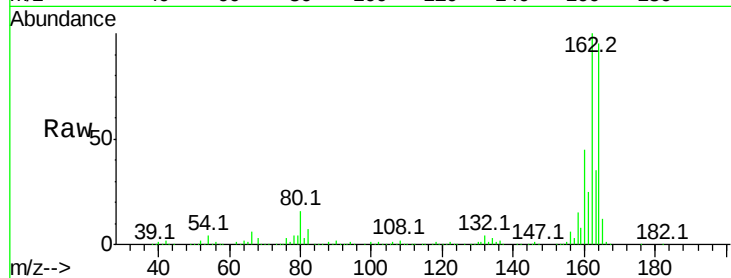
Tot Ion:164 Resp: 381766

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

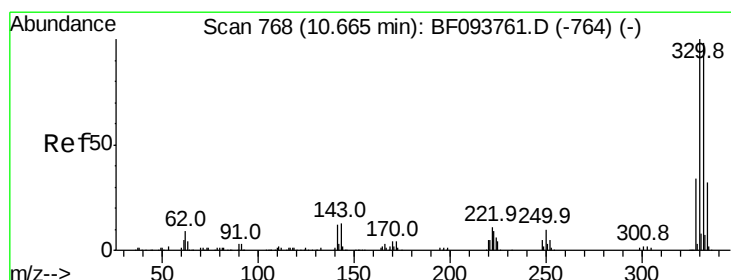
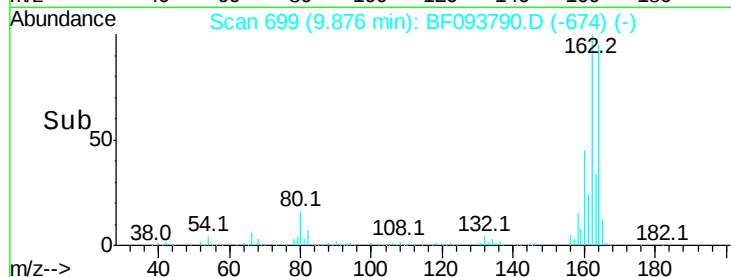
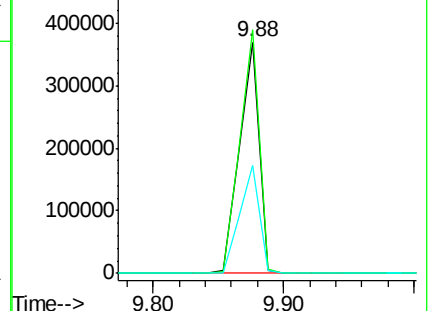
160 46.9 36.2 54.2



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: 1.09 ng

RT: 10.65 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

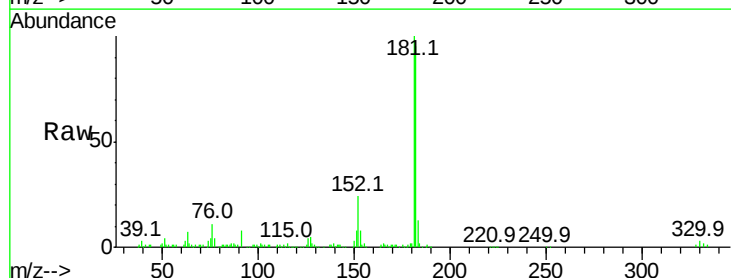
Tgt Ion:330 Resp: 3210

Ion Ratio Lower Upper

330 100

332 91.9 76.6 115.0

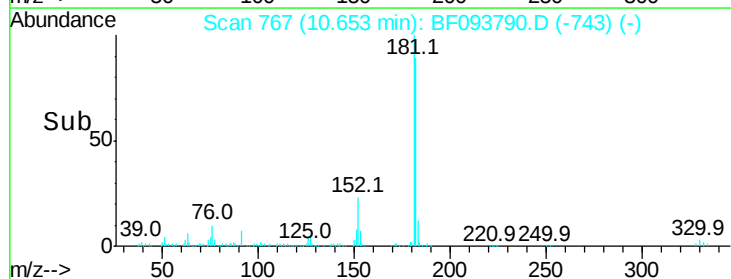
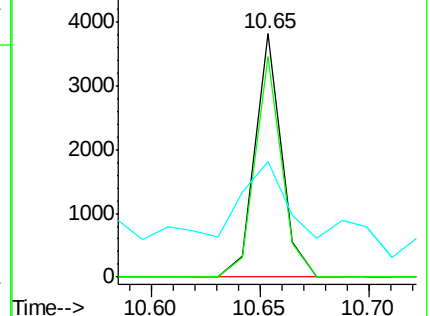
141 96.1 31.4 47.2#

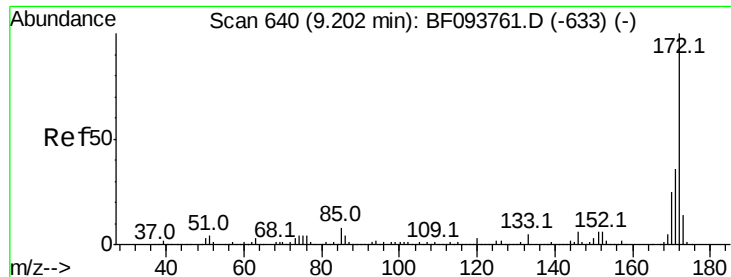


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

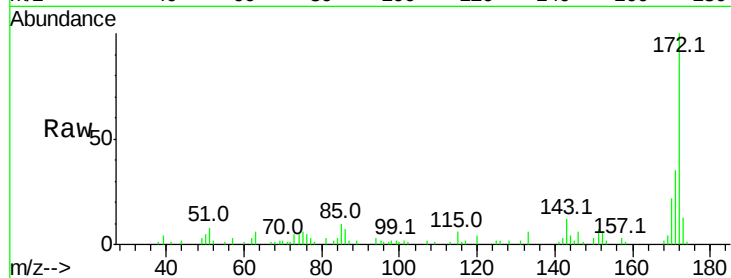




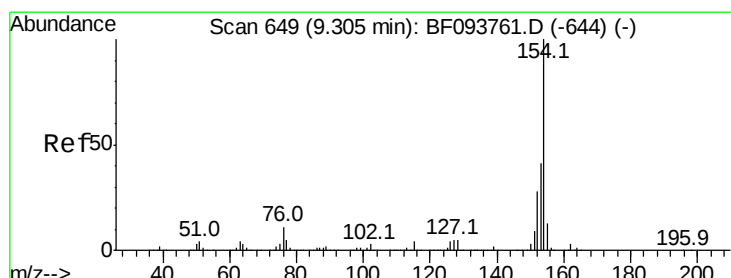
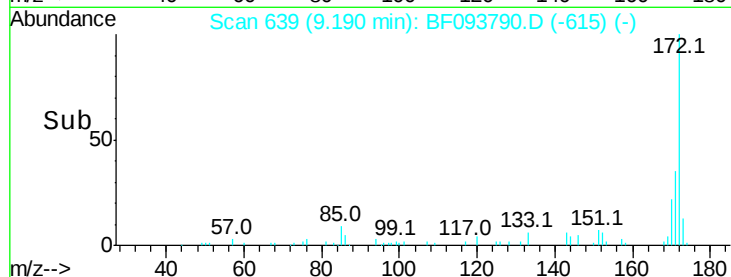
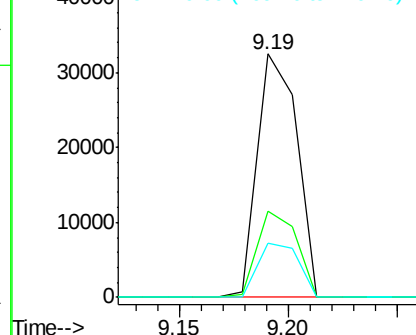
#44
2-Fluorobiphenyl
Concen: 1.82 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Instrument :
BNA_F
ClientSampleId :
CTMIX-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.5	19.8	29.8

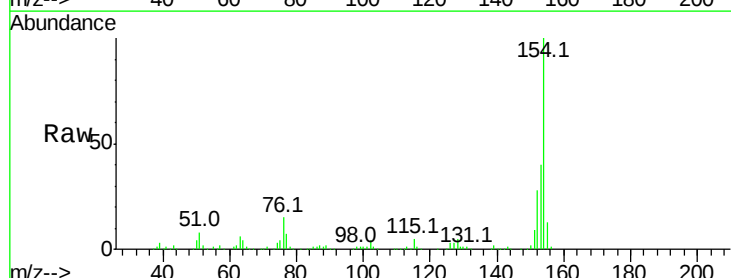


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

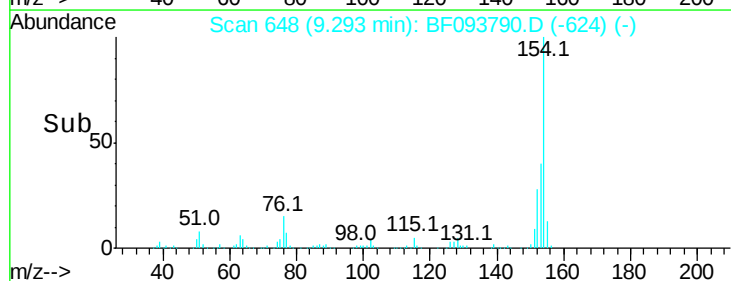
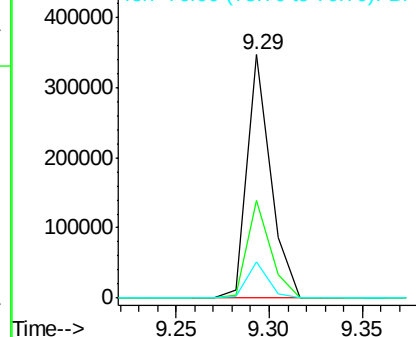


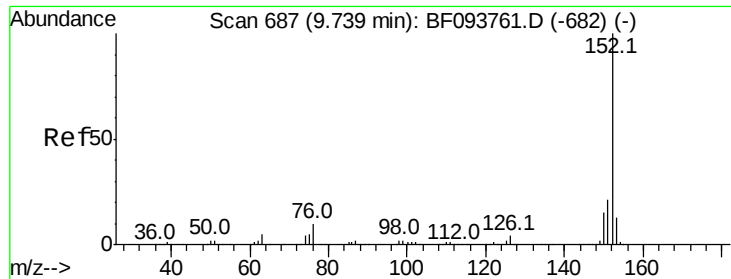
#45
1,1'-Biphenyl
Concen: 9.84 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	15.1	0.0	29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

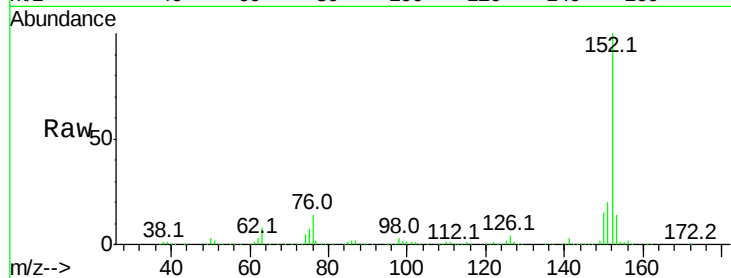




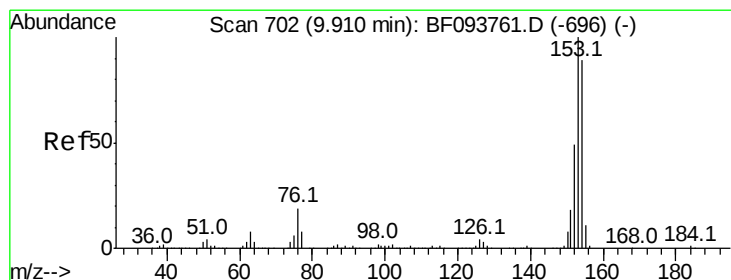
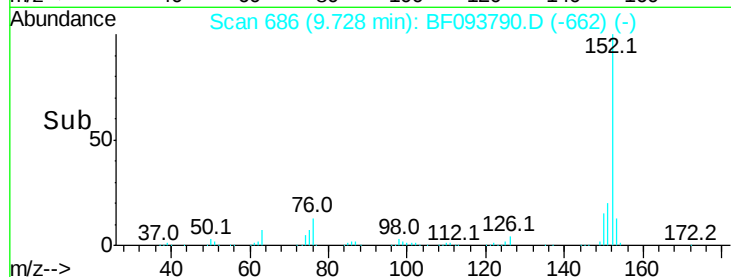
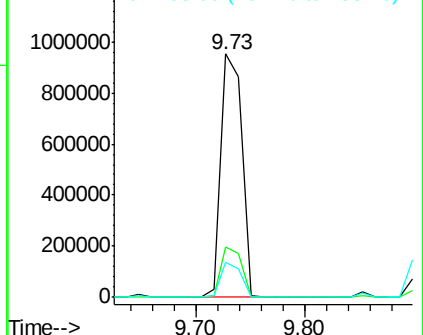
#48
Acenaphthylene
Concen: 32.94 ng
RT: 9.73 min Scan# 686
Delta R.T. -0.02 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Instrument :
BNA_F
ClientSampleId :
CTMIX-4

Tot Ion:152 Resp: 1275150
Ion Ratio Lower Upper
152 100
151 20.5 16.8 25.2
153 14.2 10.8 16.2

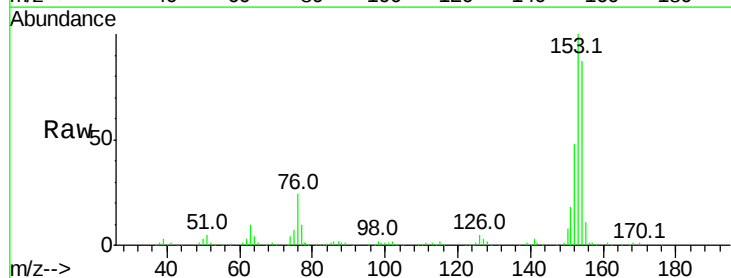


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

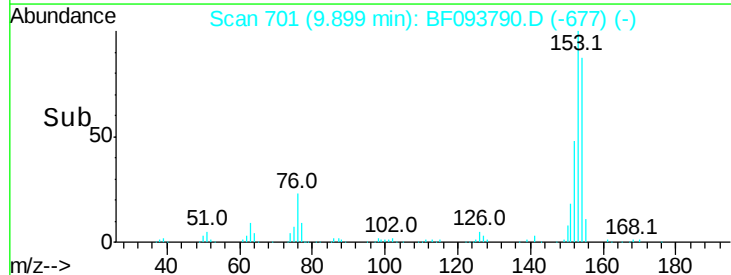
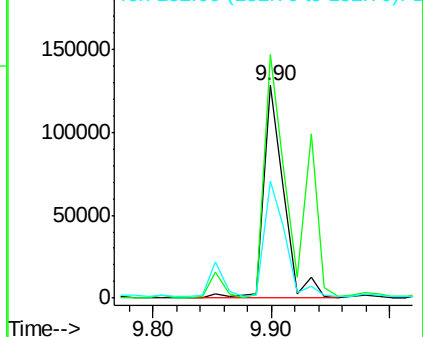


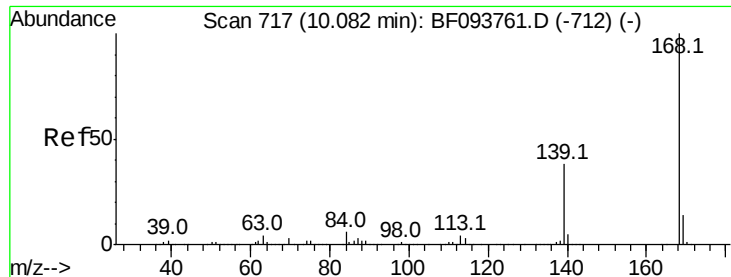
#51
Acenaphthene
Concen: 6.51 ng
RT: 9.90 min Scan# 701
Delta R.T. -0.02 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Tgt Ion:154 Resp: 150489
Ion Ratio Lower Upper
154 100
153 114.5 90.5 135.7
152 55.0 43.6 65.4



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: 32.00 ng

RT: 10.08 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampled :

CTMIX-4

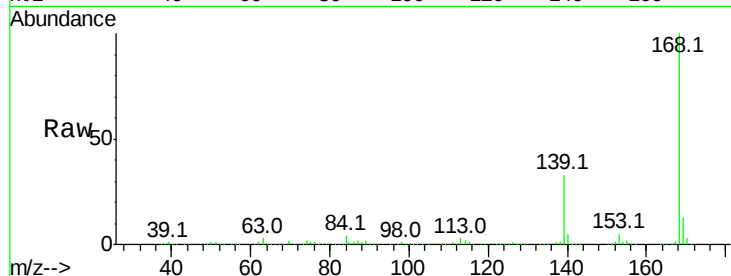
Tot Ion:168 Resp: 995651

Ion Ratio Lower Upper

168 100

139 32.9 30.6 45.8

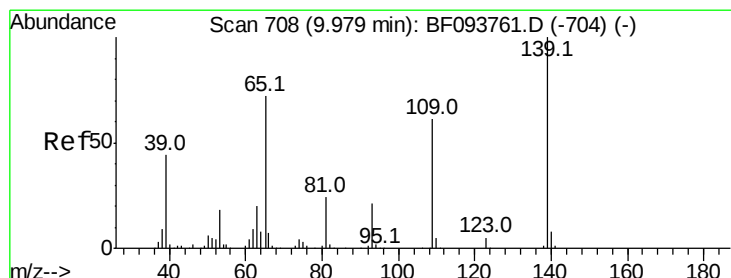
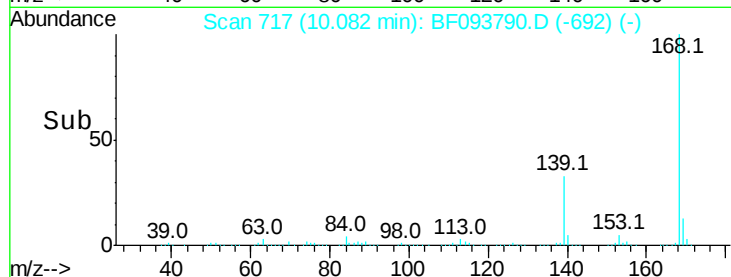
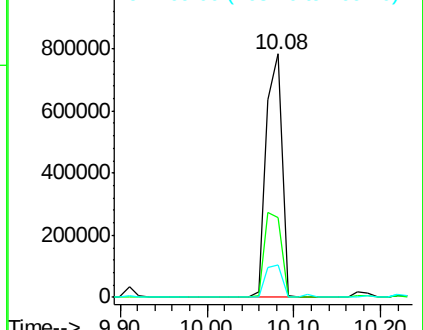
169 13.4 10.8 16.2



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



#55

4-Nitrophenol

Concen: 69.14 ng

RT: 10.07 min Scan# 716

Delta R.T. 0.08 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

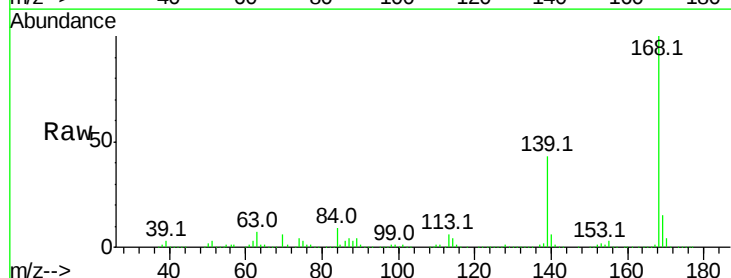
Tgt Ion:139 Resp: 371853

Ion Ratio Lower Upper

139 100

109 0.9 34.1 74.1#

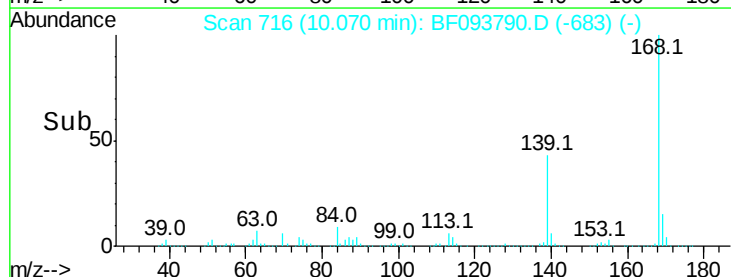
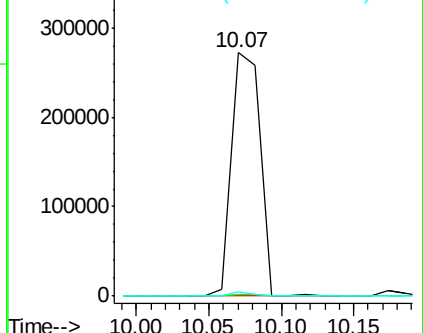
65 1.9 31.4 71.4#

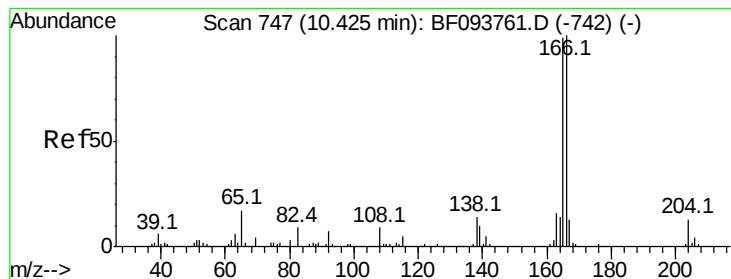


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 46.12 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampled :

CTMIX-4

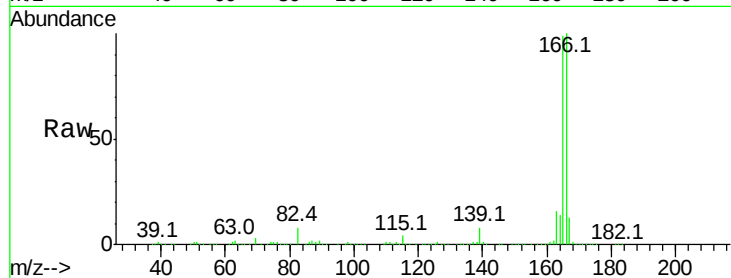
Tot Ion:166 Resp: 1099016

Ion Ratio Lower Upper

166 100

165 98.9 78.8 118.2

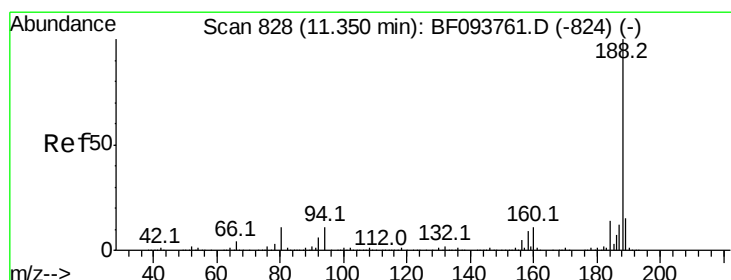
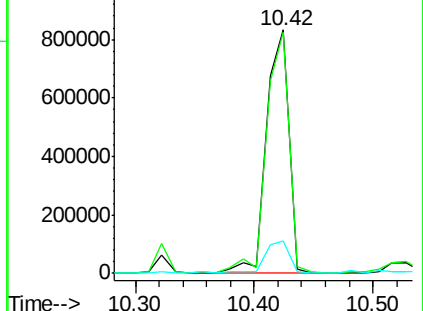
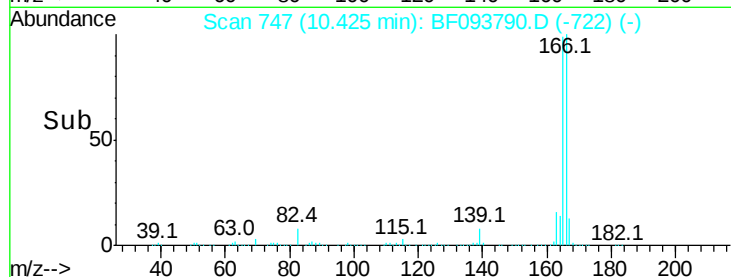
167 13.2 10.6 16.0



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: 11.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

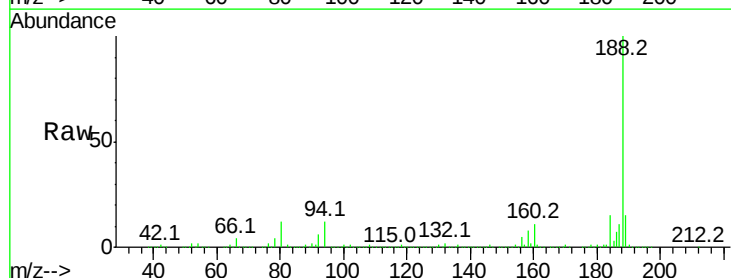
Tgt Ion:188 Resp: 591673

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

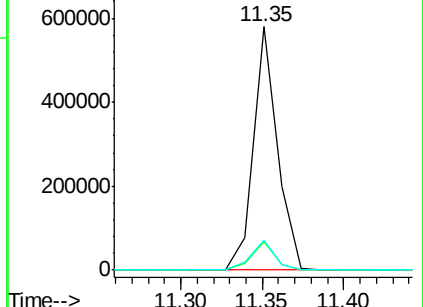
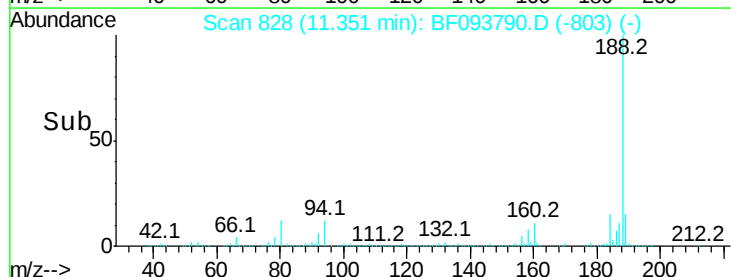
80 12.3 10.2 15.2

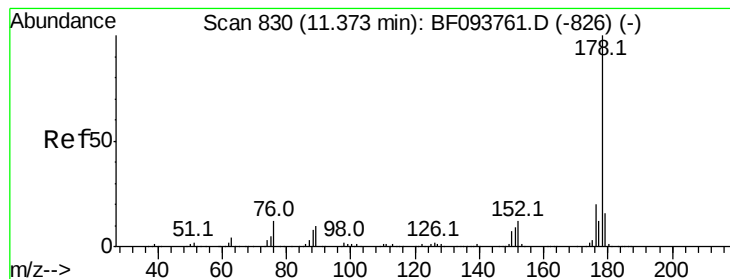


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 91.85 ng

RT: 11.38 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

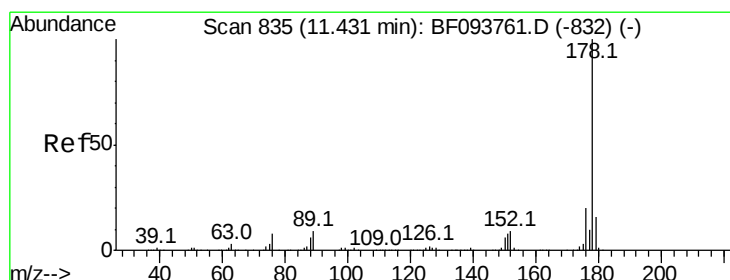
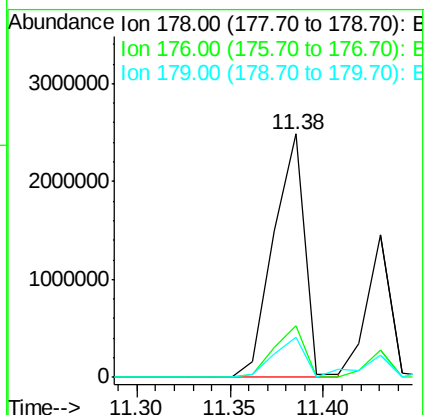
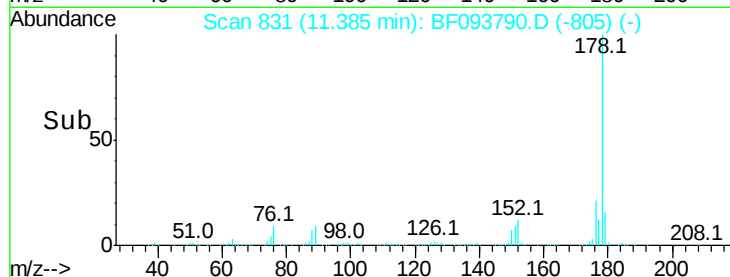
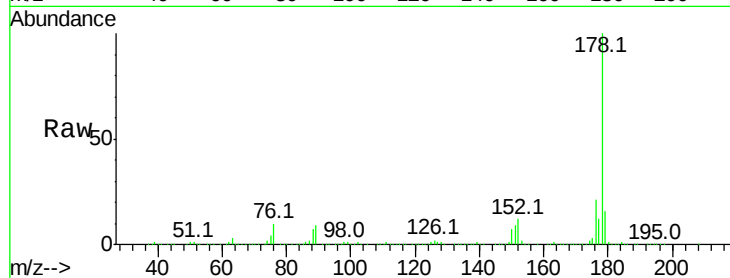
Tot Ion:178 Resp: 2894345

Ion Ratio Lower Upper

178 100

176 21.0 16.2 24.4

179 16.4 12.6 19.0



#71

Anthracene

Concen: 39.46 ng

RT: 11.43 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

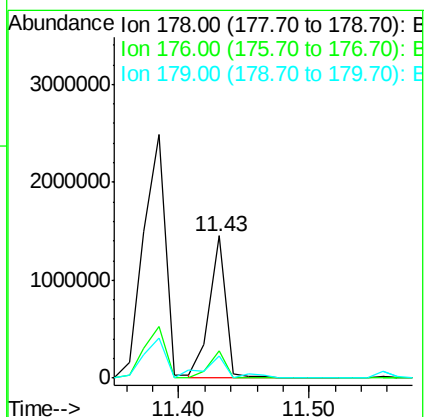
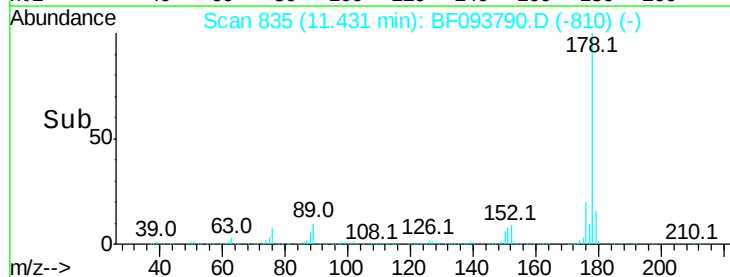
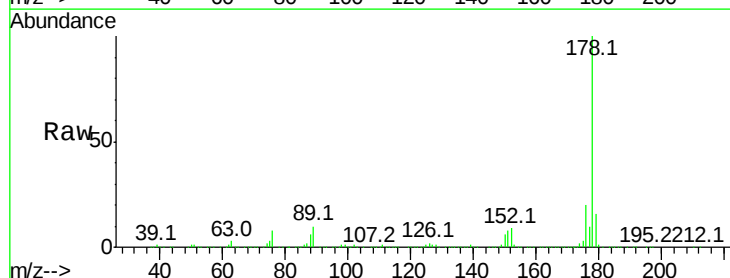
Tgt Ion:178 Resp: 1280038

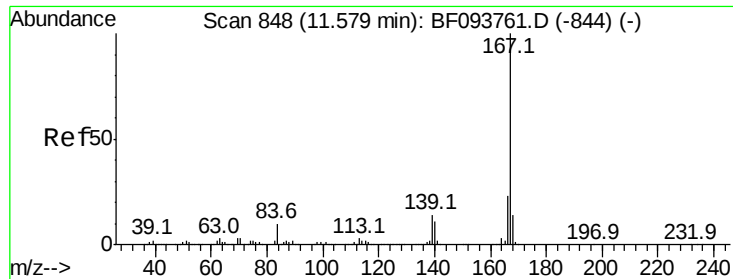
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 16.0 12.7 19.1





#72

Carbazole

Concen: 16.61 ng

RT: 11.58 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

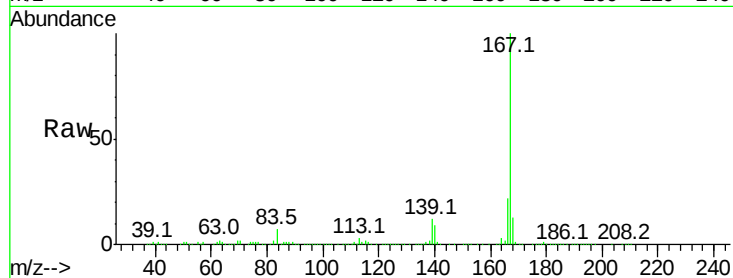
Tot Ion:167 Resp: 533368

Ion Ratio Lower Upper

167 100

166 21.9 18.1 27.1

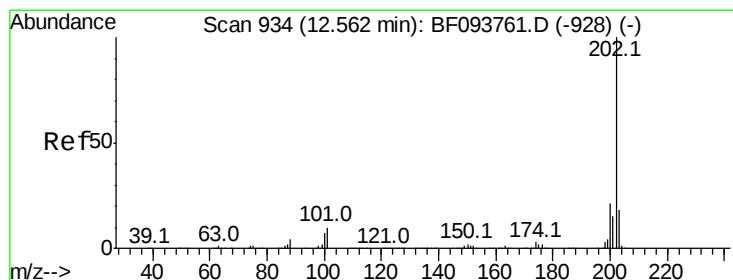
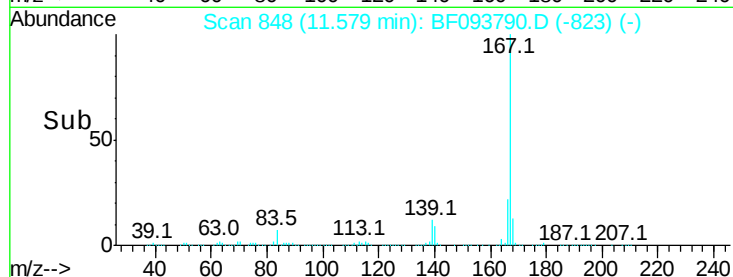
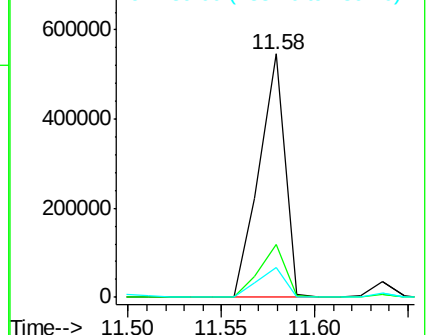
139 12.4 11.7 17.5



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: 56.64 ng

RT: 12.56 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

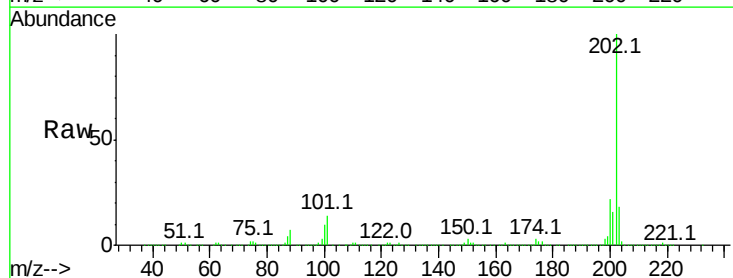
Tgt Ion:202 Resp: 1834520

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

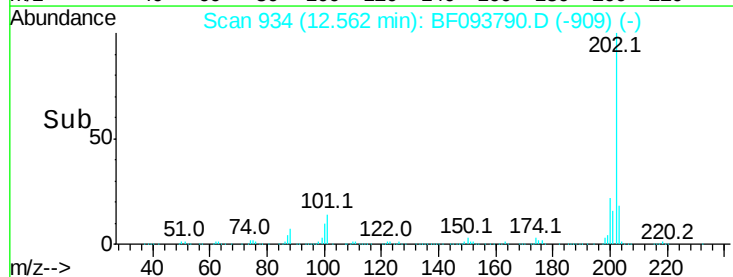
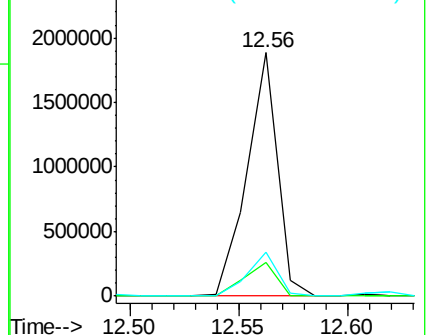
203 18.2 0.0 38.1

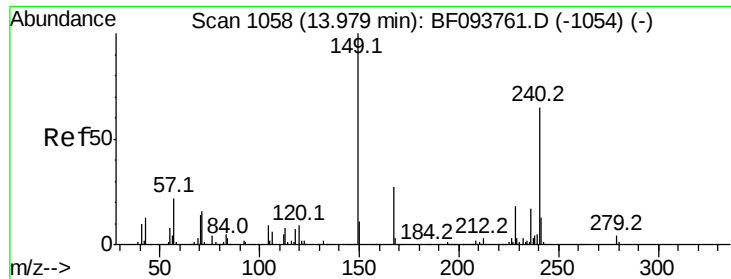


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

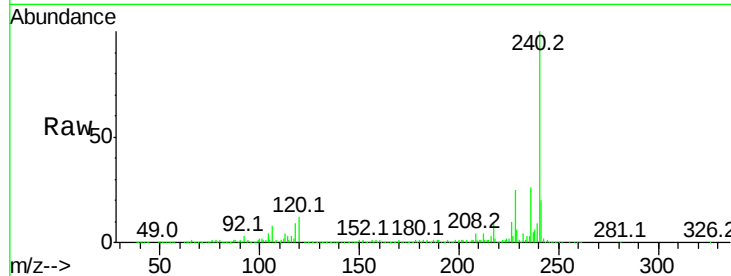
Tot Ion:240 Resp: 396246

Ion Ratio Lower Upper

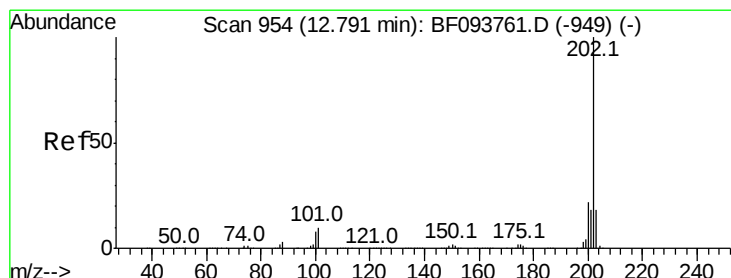
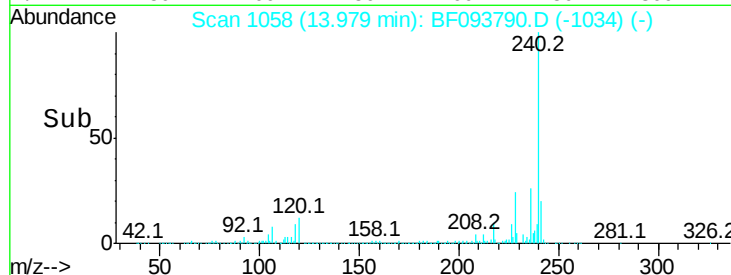
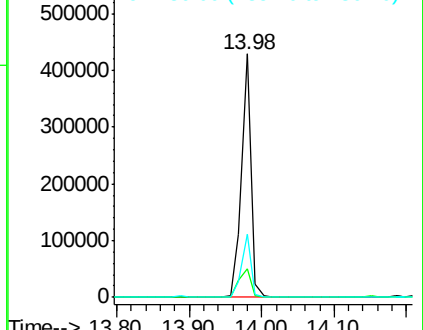
240 100

120 11.9 5.8 8.8#

236 26.1 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: 50.56 ng

RT: 12.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

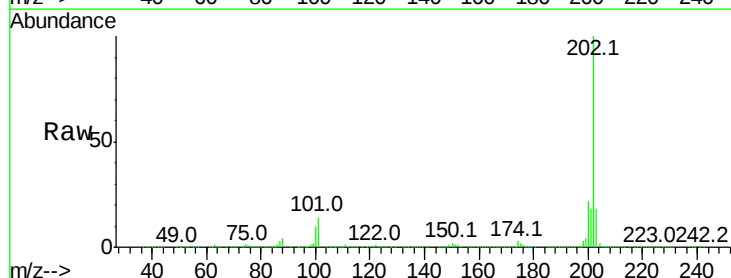
Tgt Ion:202 Resp: 1667222

Ion Ratio Lower Upper

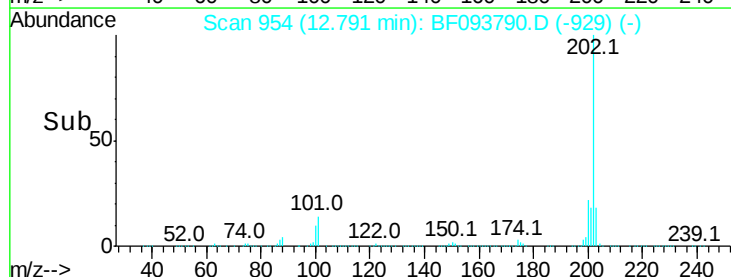
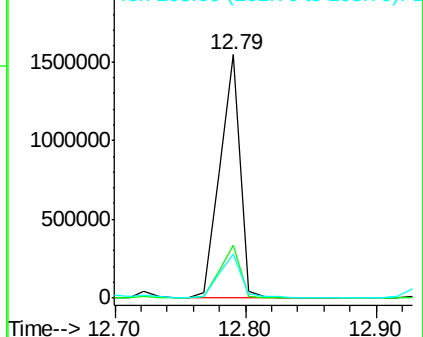
202 100

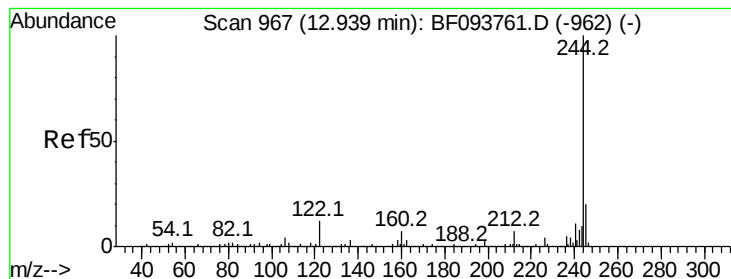
200 21.9 17.6 26.4

203 18.2 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: 1.46 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

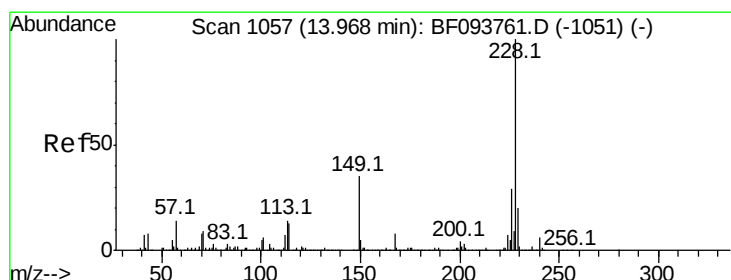
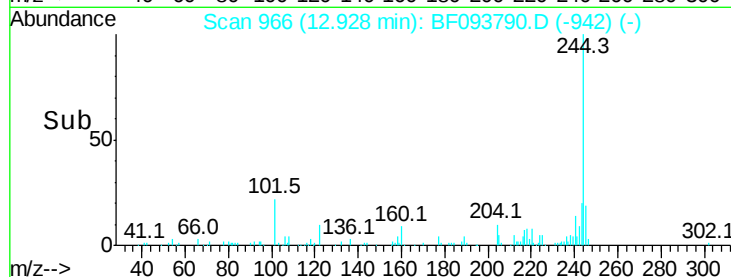
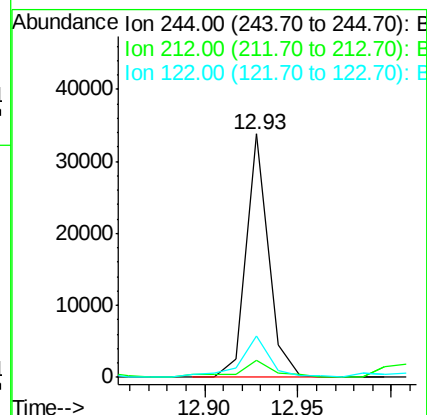
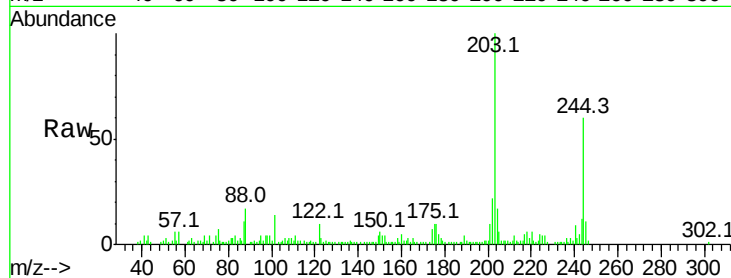
Tot Ion:244 Resp: 28304

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 17.0 10.3 15.5#



#80

Benzo(a)anthracene

Concen: 19.34 ng

RT: 14.00 min Scan# 1060

Delta R.T. 0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

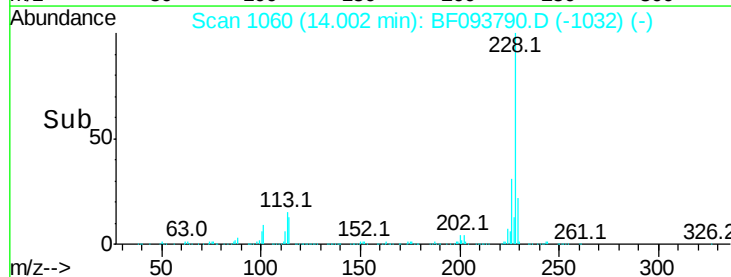
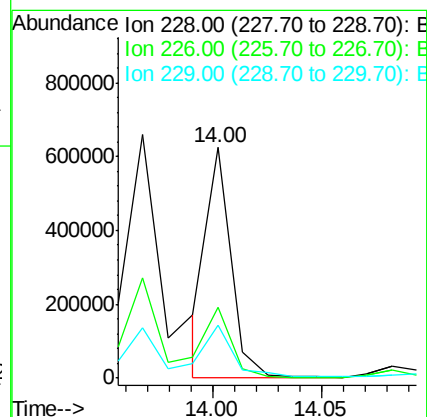
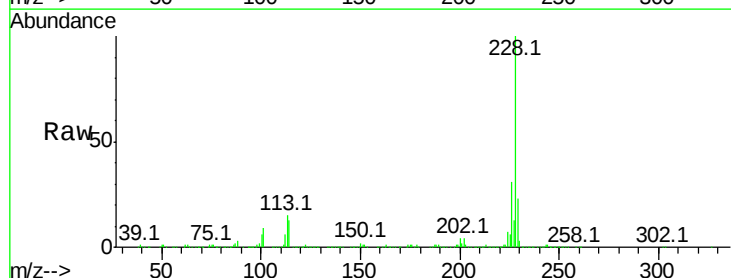
Tgt Ion:228 Resp: 480009

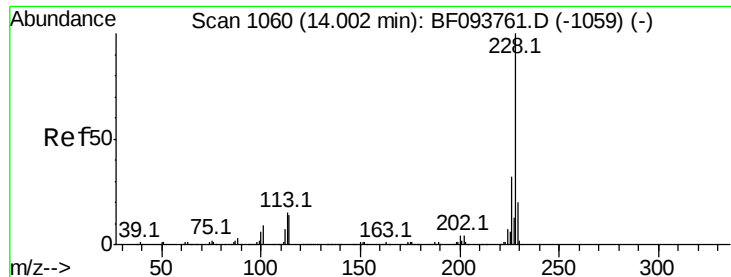
Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

229 23.0 16.3 24.5





#82

Chrysene

Concen: 19.36 ng

RT: 14.00 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampled :

CTMIX-4

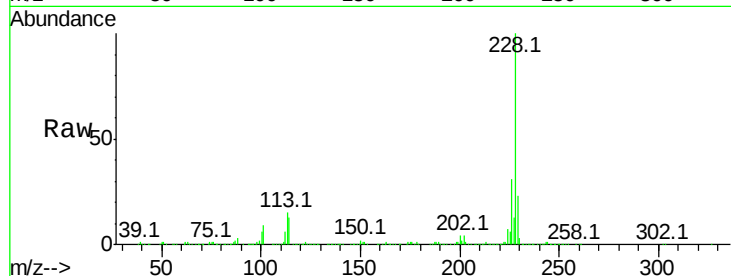
Tot Ion:228 Resp: 480009

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

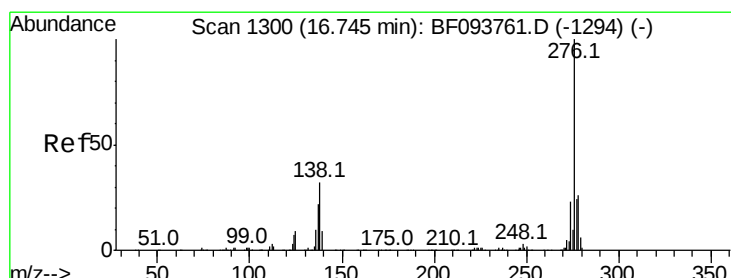
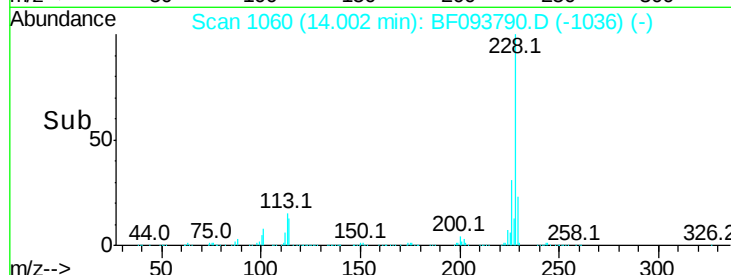
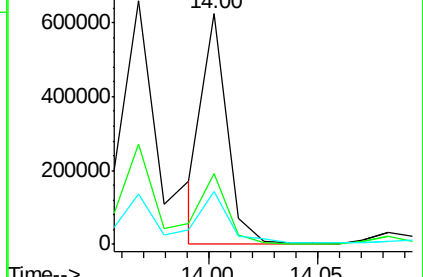
229 23.0 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.91 ng

RT: 16.75 min Scan# 1300

Delta R.T. -0.03 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

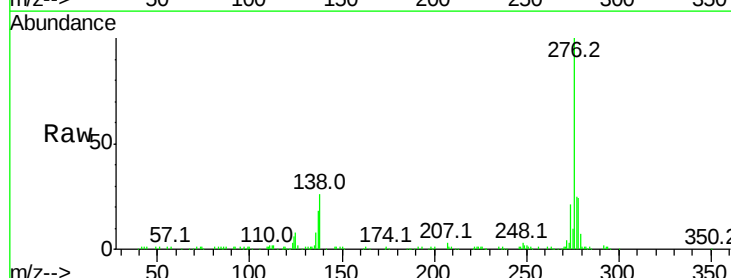
Tgt Ion:276 Resp: 201228

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

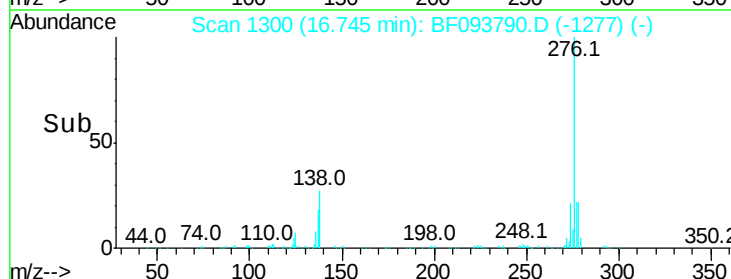
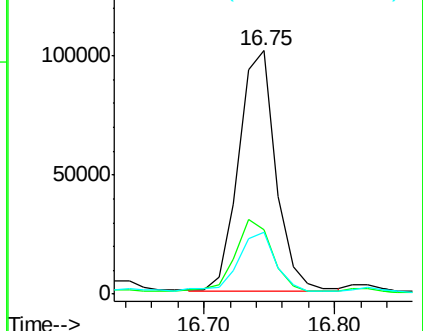
277 25.0 20.2 30.4

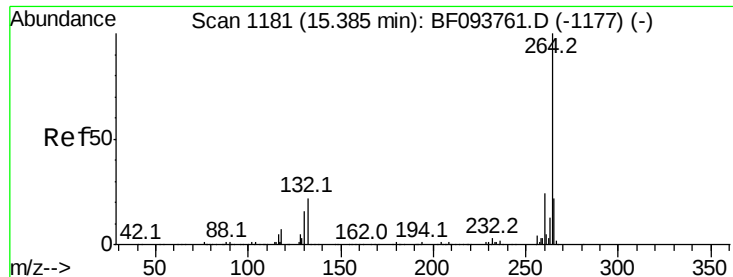


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

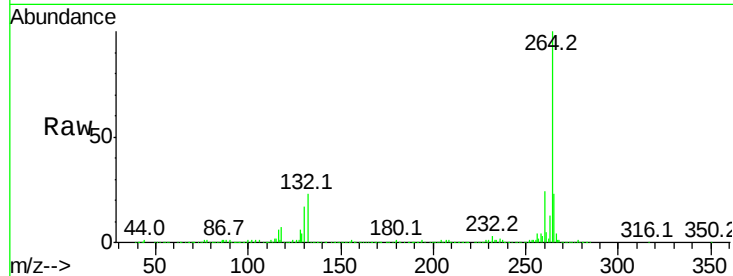
Tot Ion:264 Resp: 342995

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

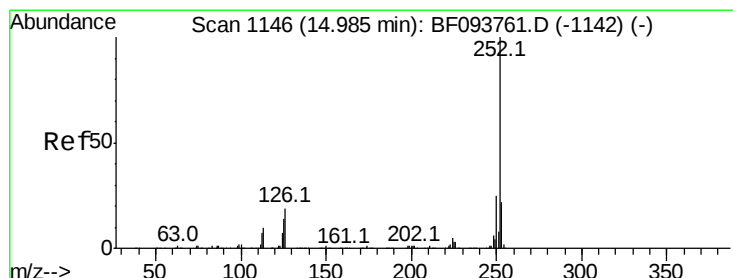
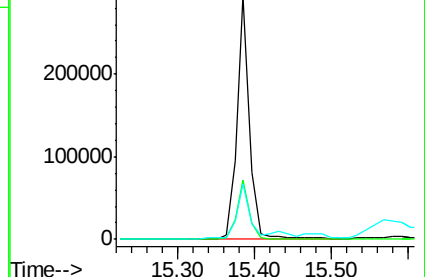
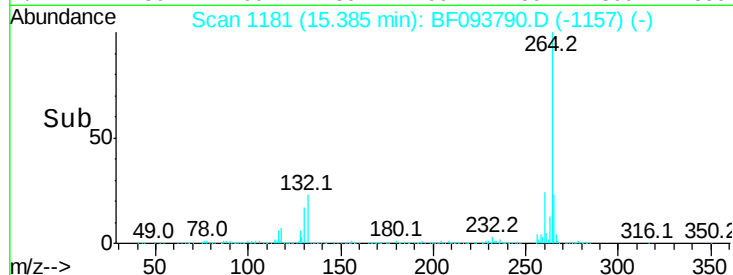
265 22.8 17.2 25.8



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: 6.89 ng

RT: 15.09 min Scan# 1155

Delta R.T. 0.08 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

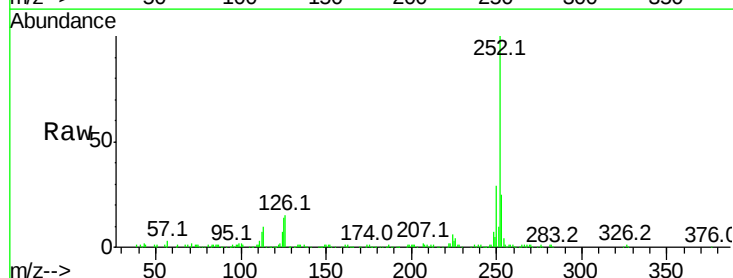
Tgt Ion:252 Resp: 159357

Ion Ratio Lower Upper

252 100

253 25.0 18.1 27.1

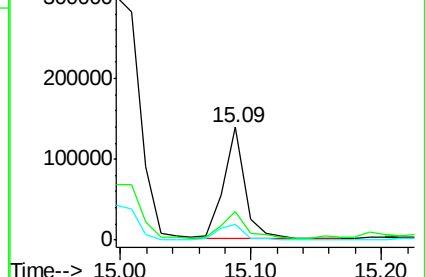
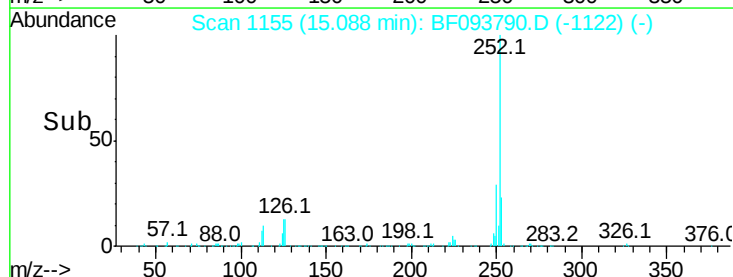
125 13.7 9.8 14.8

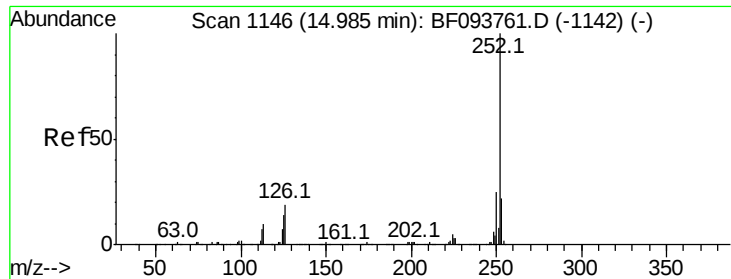


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

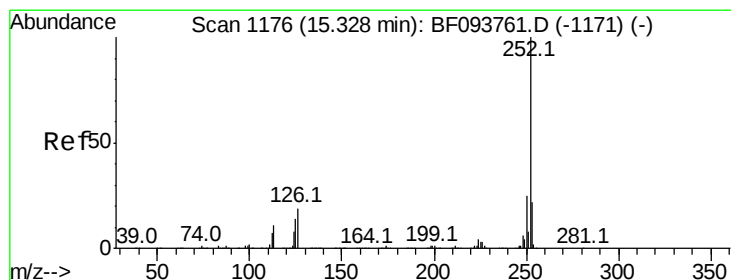
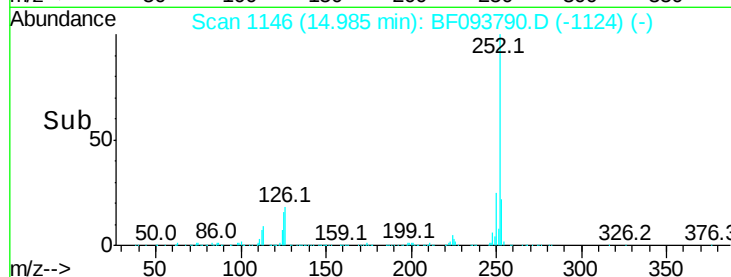
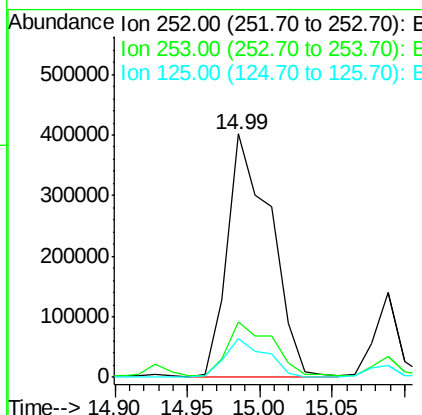
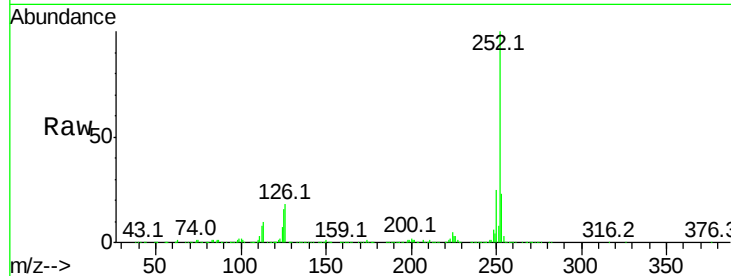




#88
Benzo(k)fluoranthene
Concen: 48.73 ng
RT: 14.99 min Scan# 1146
Delta R.T. -0.04 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

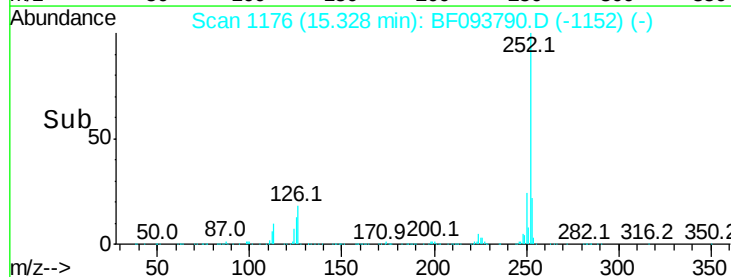
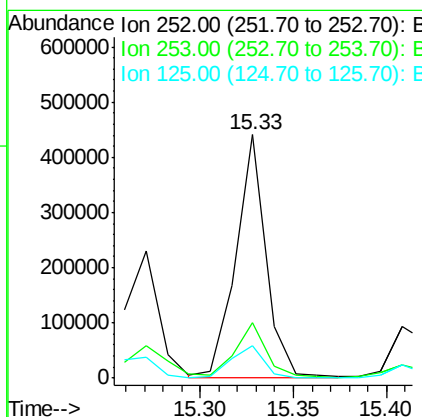
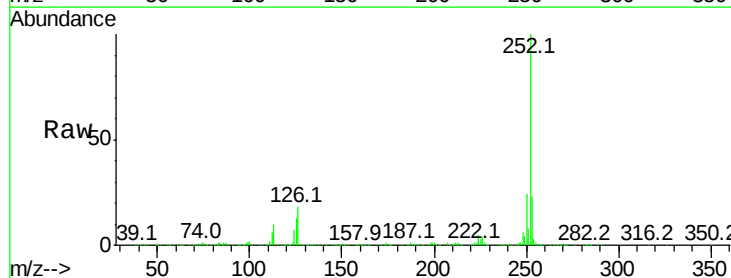
Instrument :
BNA_F
ClientSampleId :
CTMIX-4

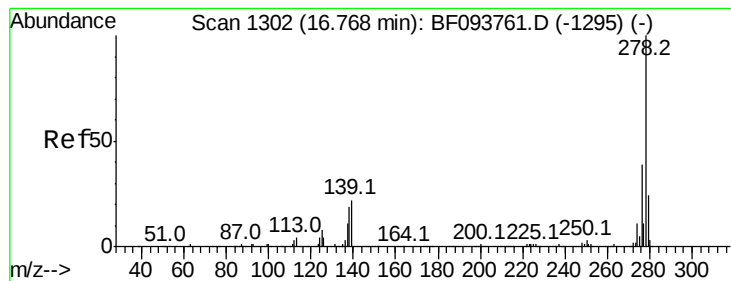
Tot Ion:252 Resp: 832057
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 15.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 26.21 ng
RT: 15.33 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF093790.D
Acq: 21 Mar 2017 3:12

Tgt Ion:252 Resp: 491525
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 13.4 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.24 ng

RT: 16.91 min Scan# 1314

Delta R.T. 0.10 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

Instrument :

BNA_F

ClientSampleId :

CTMIX-4

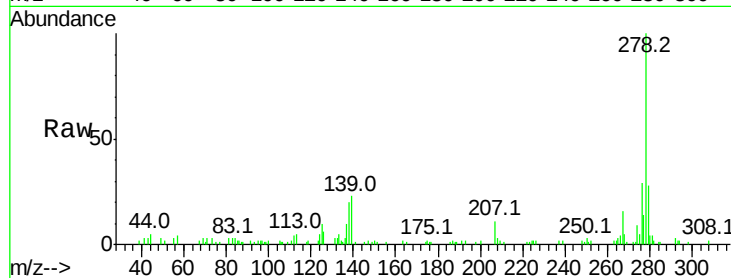
Tot Ion:278 Resp: 50481

Ion Ratio Lower Upper

278 100

139 22.8 16.6 24.8

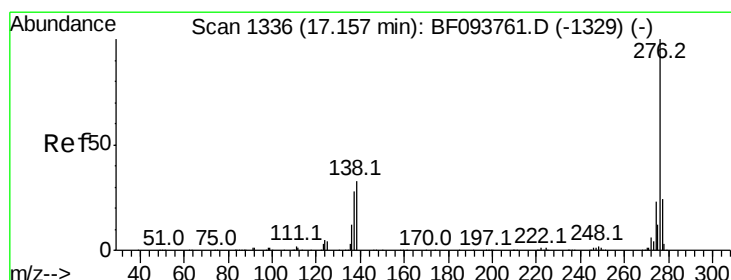
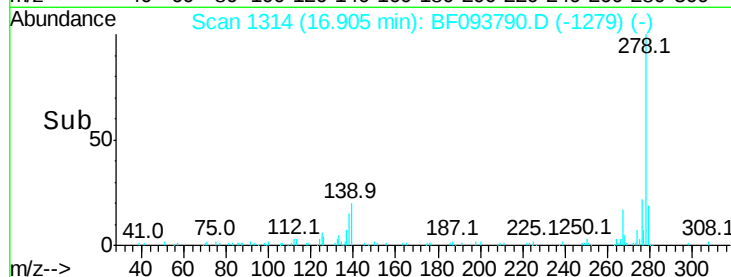
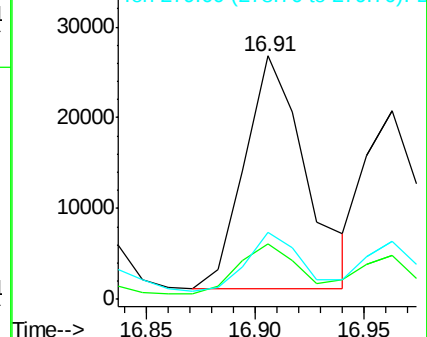
279 27.7 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.49 ng

RT: 17.15 min Scan# 1335

Delta R.T. -0.05 min

Lab File: BF093790.D

Acq: 21 Mar 2017 3:12

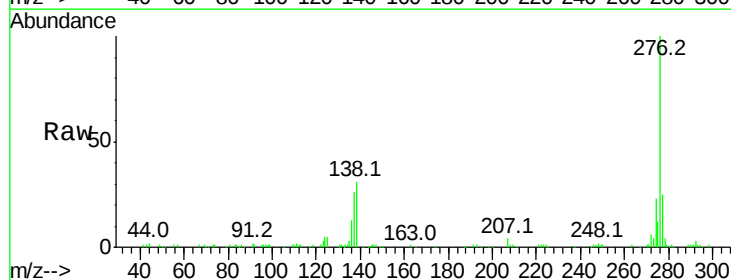
Tgt Ion:276 Resp: 177511

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 31.2 25.4 38.0



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

