

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093786.D
 Acq On : 21 Mar 2017 1:22
 Operator : SJ/MA
 Sample : I2280-01MS 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-1MS

Quant Time: Mar 21 02:20:52 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	236440	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	903312	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	404929	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	612193	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	387988	20.00	ng	-0.02
86) Perylene-d12	15.39	264	347324	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	42071	3.11	ng	-0.02
7) Phenol-d6	6.45	99	52090	3.12	ng	-0.03
23) Nitrobenzene-d5	7.38	82	28392	1.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	5421	1.73	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	60124	2.50	ng	-0.02
78) Terphenyl-d14	12.93	244	39917	2.10	ng	-0.02

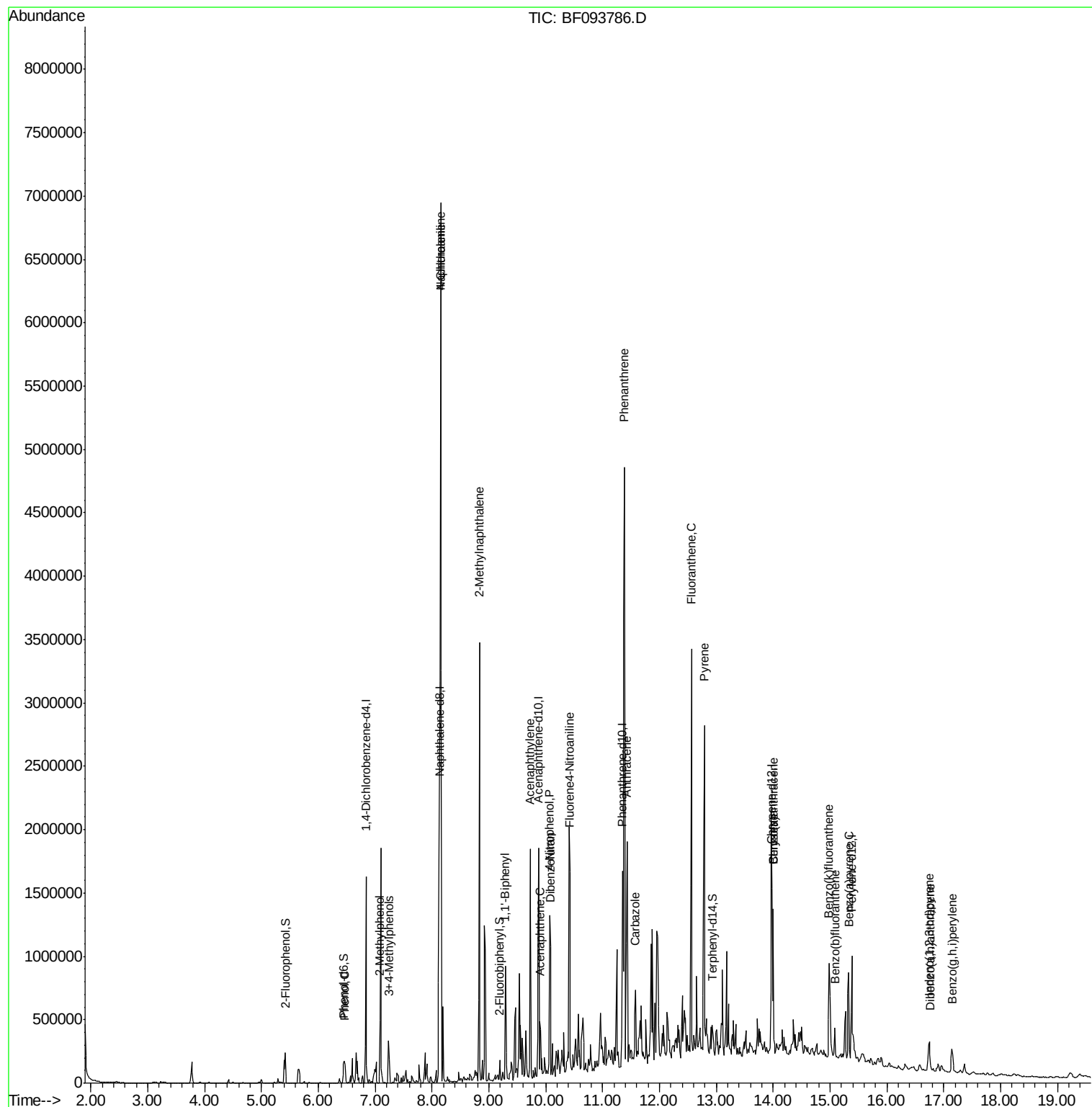
Target Compounds				Qvalue		
10) Phenol	6.47	94	66823	3.56	ng	81
17) 2-Methylphenol	7.09	107	28218	2.16	ng	96
20) 3+4-Methylphenols	7.24	107	56466	3.65	ng	# 80
31) Naphthalene	8.15	128	4631434	110.46	ng	97
33) 4-Chloroaniline	8.15	127	664889	36.90	ng	# 31
37) 2-Methylnaphthalene	8.84	142	874450	31.95	ng	99
45) 1,1'-Biphenyl	9.29	154	258153	7.84	ng	95
48) Acenaphthylene	9.73	152	990920	24.13	ng	99
51) Acenaphthene	9.90	154	123636	5.04	ng	97
54) Dibenzofuran	10.08	168	645738	19.56	ng	92
55) 4-Nitrophenol	10.07	139	234634	41.13	ng	# 28
57) Fluorene	10.42	166	804282	31.82	ng	98
61) 4-Nitroaniline	10.41	138	14287	2.10	ng	# 70
70) Phenanthrene	11.38	178	2423591	74.33	ng	100
71) Anthracene	11.43	178	859566	25.61	ng	98
72) Carbazole	11.58	167	297294	8.95	ng	96
74) Fluoranthene	12.56	202	1361185	40.62	ng	99
77) Pyrene	12.79	202	1323748	41.00	ng	99
80) Benzo(a)anthracene	14.00	228	326774	13.45	ng	95
82) Chrysene	14.00	228	326774	13.46	ng	97
85) Indeno(1,2,3-cd)pyrene	16.75	276	142191	7.15	ng	96
87) Benzo(b)fluoranthene	15.09	252	99344	4.24	ng	95
88) Benzo(k)fluoranthene	14.99	252	560746	32.43	ng	98
89) Benzo(a)pyrene	15.33	252	348793	18.37	ng	97
90) Dibenzo(a,h)anthracene	16.76	278	53313	3.38	ng	# 91
91) Benzo(g,h,i)perylene	17.15	276	131231	8.39	ng	98

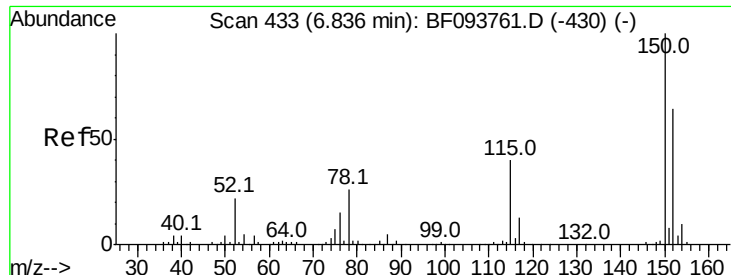
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

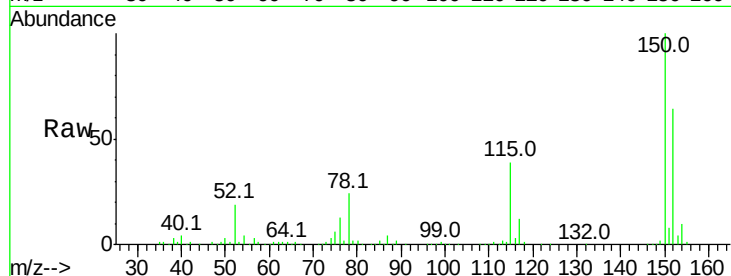
Tot Ion:152 Resp: 236440

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

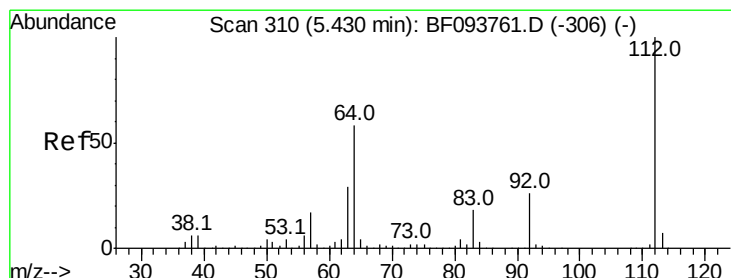
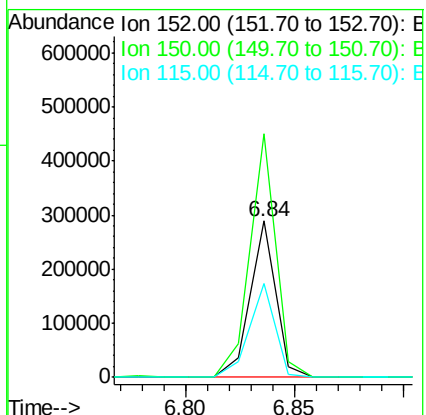
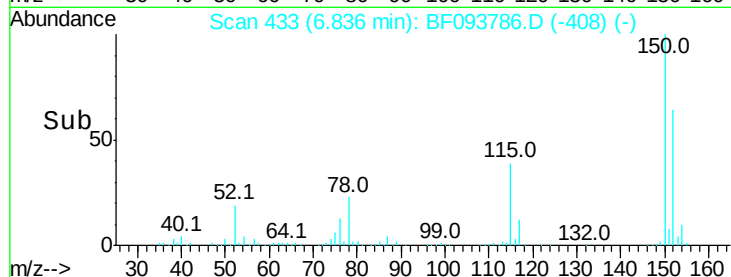
115 60.4 52.2 78.2



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: 3.11 ng

RT: 5.42 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

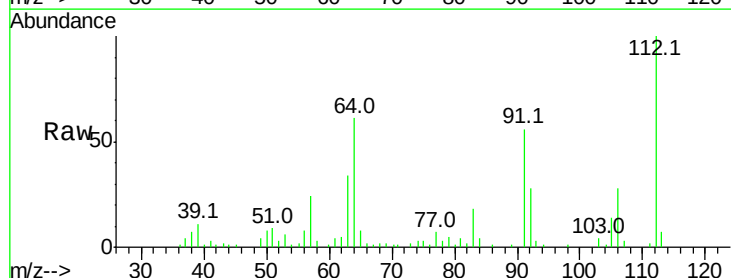
Tgt Ion:112 Resp: 42071

Ion Ratio Lower Upper

112 100

64 61.0 46.0 69.0

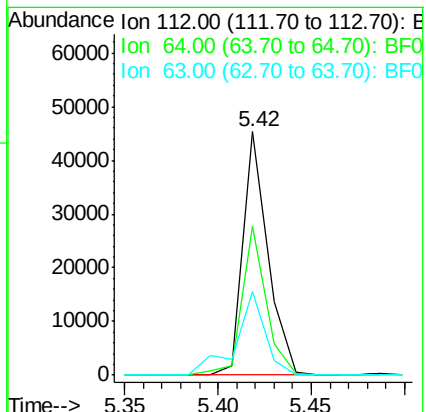
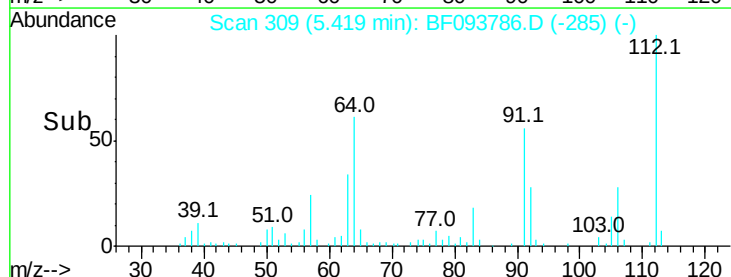
63 34.3 23.4 35.0

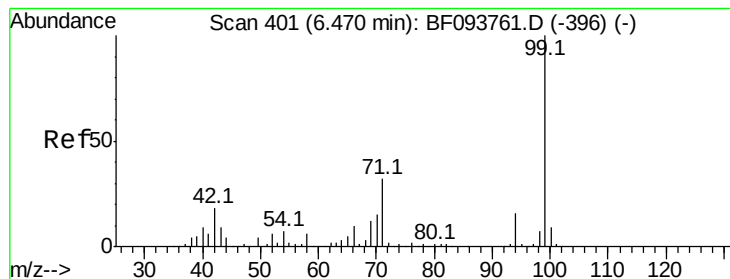


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.12 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

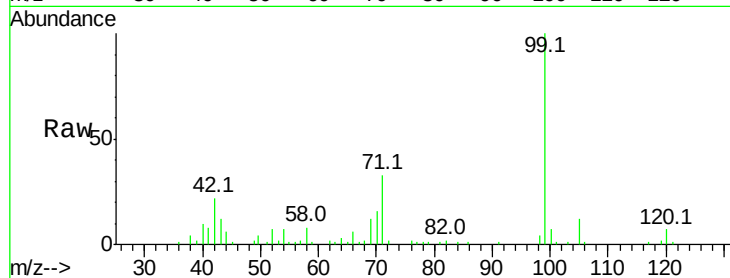
Tot Ion: 99 Resp: 52090

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

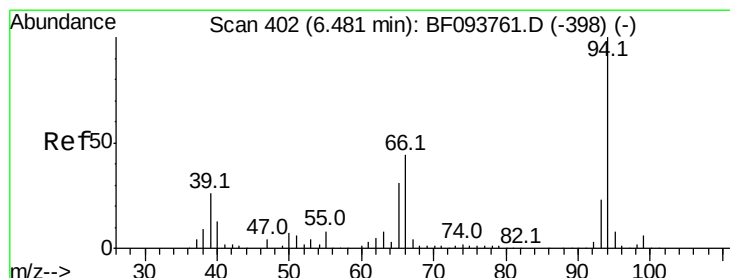
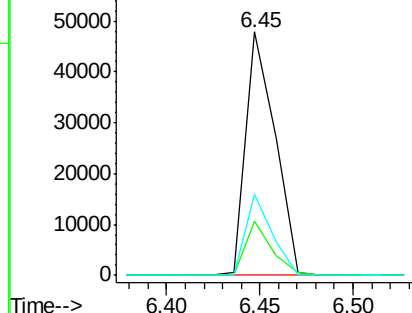
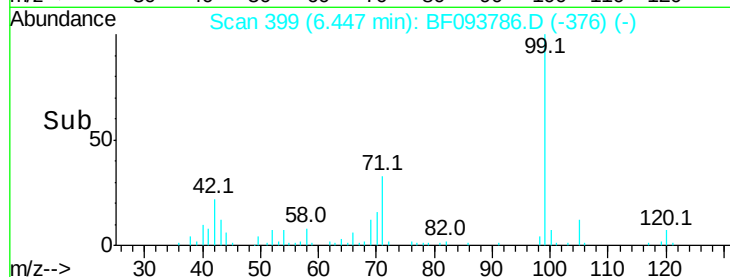
71 33.1 24.5 36.7



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: 3.56 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.02 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

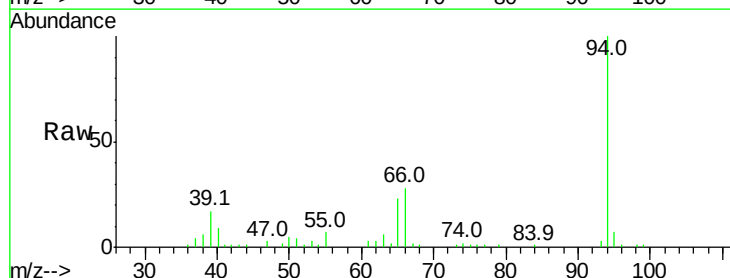
Tgt Ion: 94 Resp: 66823

Ion Ratio Lower Upper

94 100

65 22.8 9.9 49.9

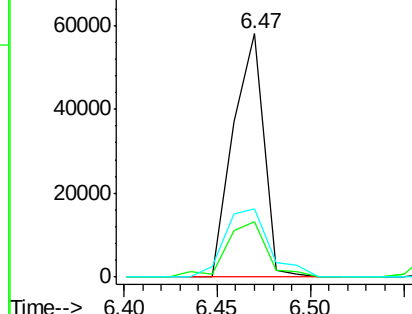
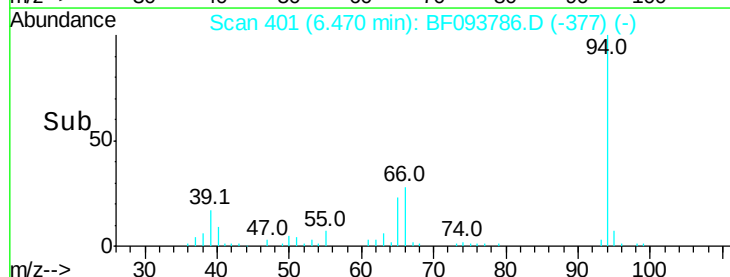
66 28.1 23.1 63.1

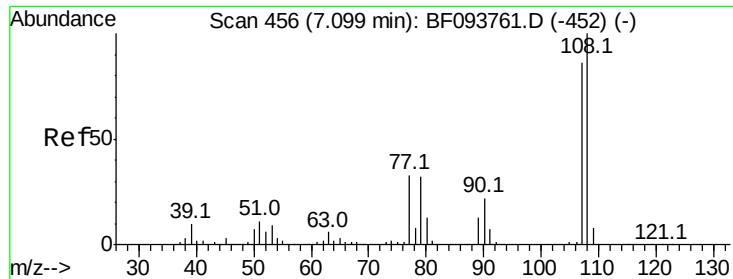


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

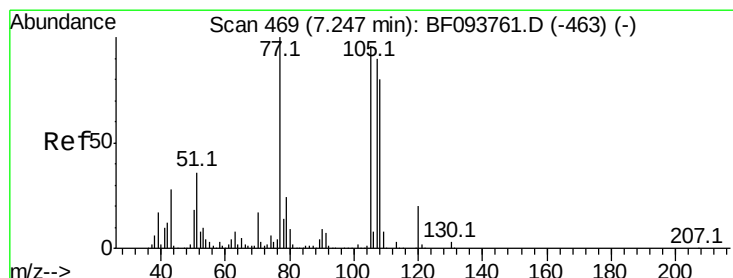
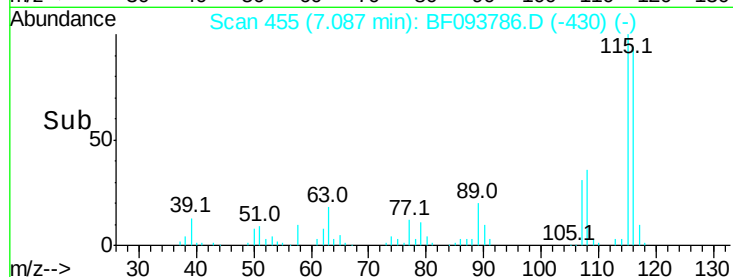
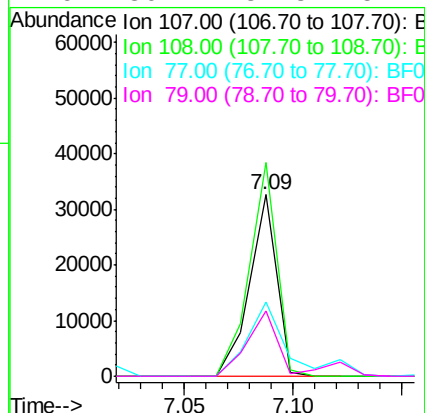
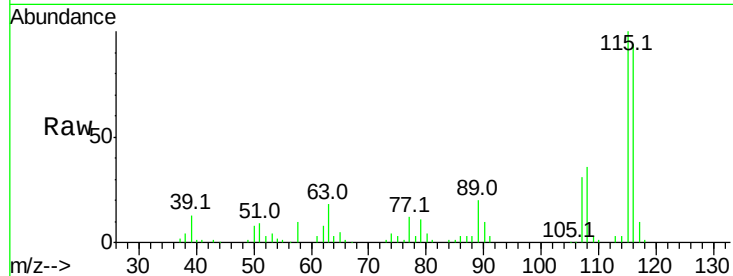




#17
2-Methylphenol
Concen: 2.16 ng
RT: 7.09 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

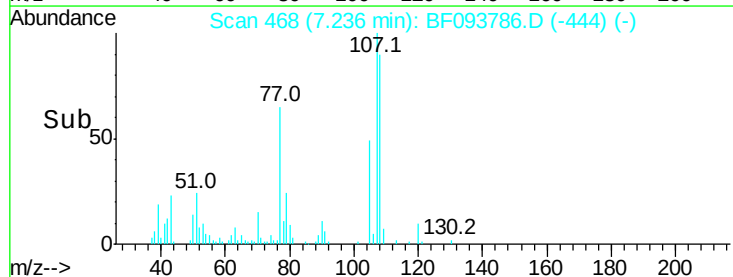
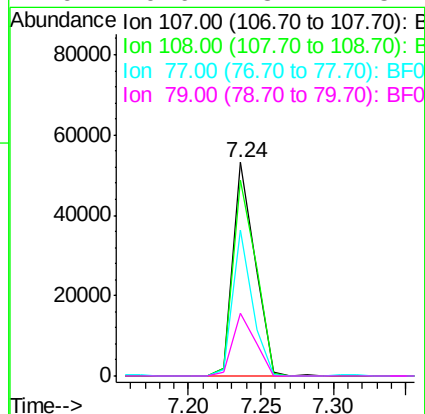
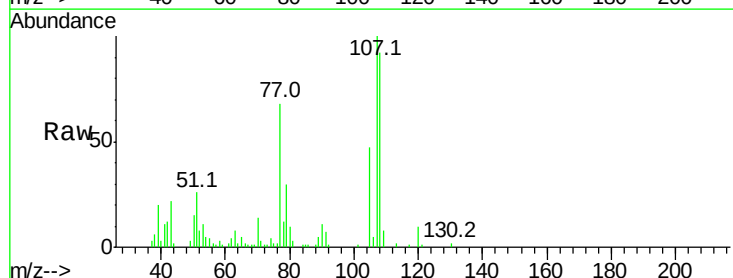
Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

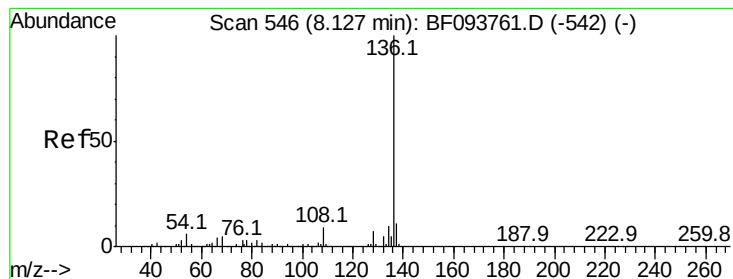
Tot Ion	Ratio	Lower	Upper
107	100		
108	117.5	93.4	140.0
77	40.7	35.8	53.6
79	36.2	34.8	52.2



#20
3+4-Methylphenols
Concen: 3.65 ng
RT: 7.24 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.0	111.0
77	68.3	90.5	130.5#
79	29.6	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: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

Tot Ion:136 Resp: 903312

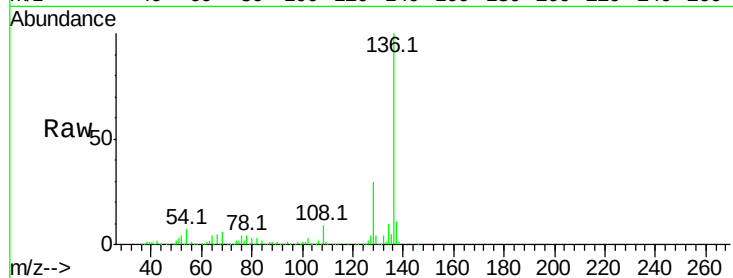
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.9 4.1 6.1

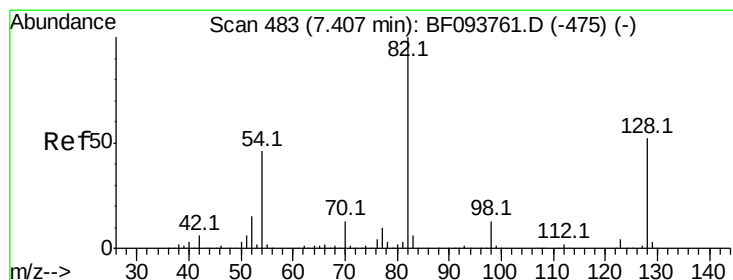
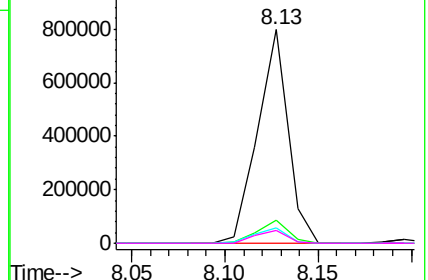
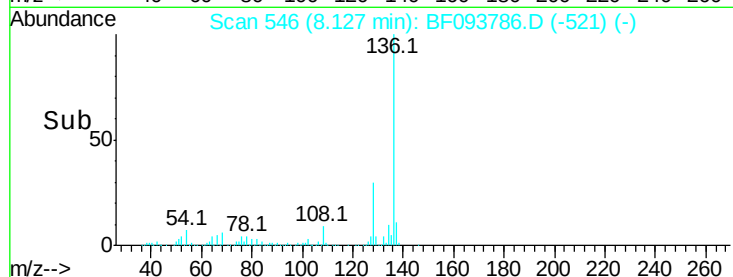


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.78 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

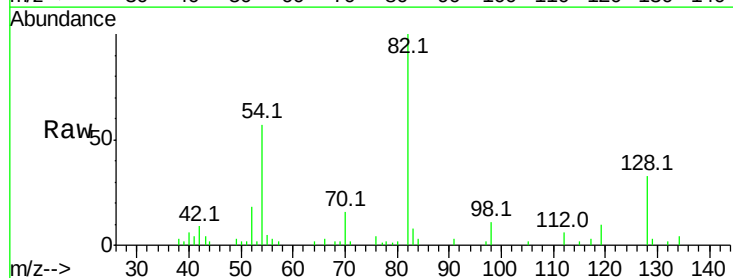
Tgt Ion: 82 Resp: 28392

Ion Ratio Lower Upper

82 100

128 33.0 34.0 51.0#

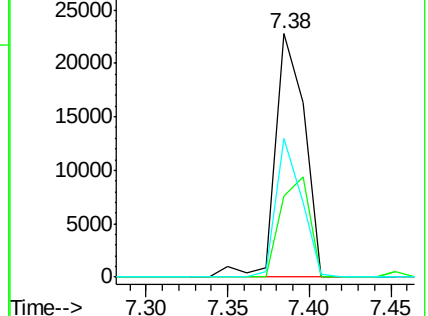
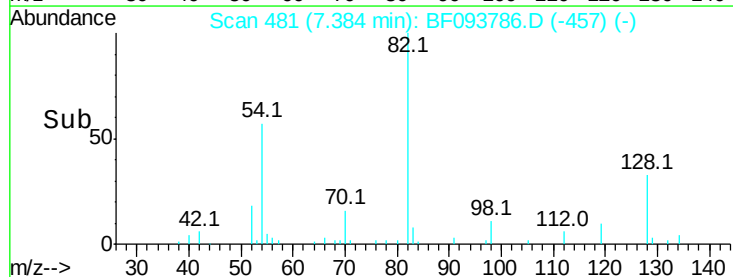
54 56.7 42.2 63.2

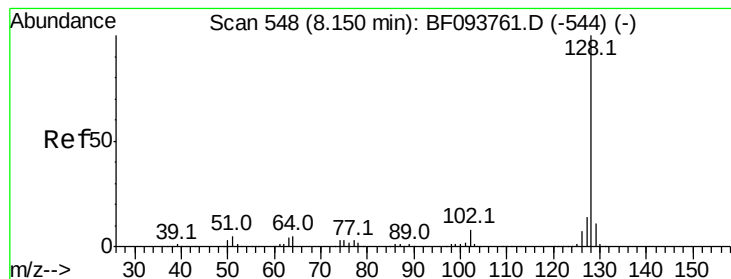


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 110.46 ng

RT: 8.15 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

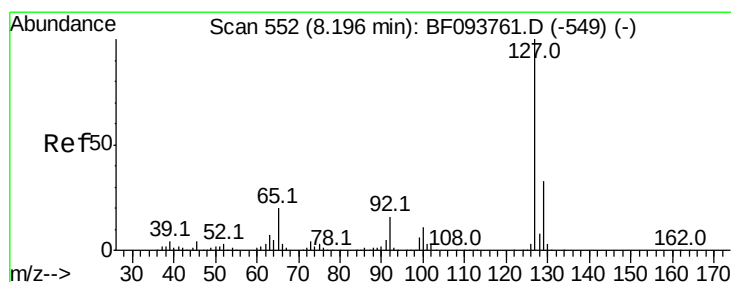
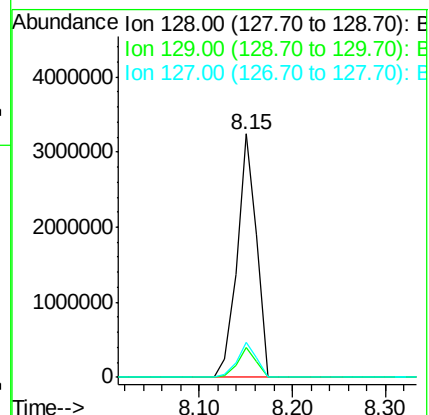
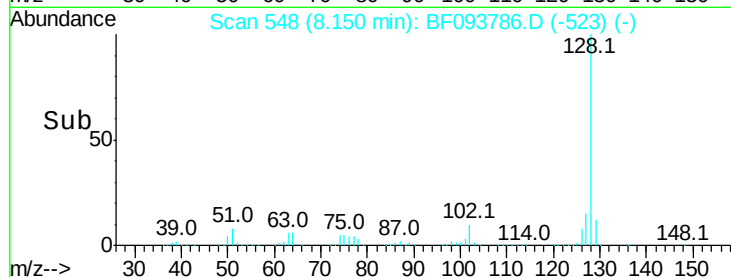
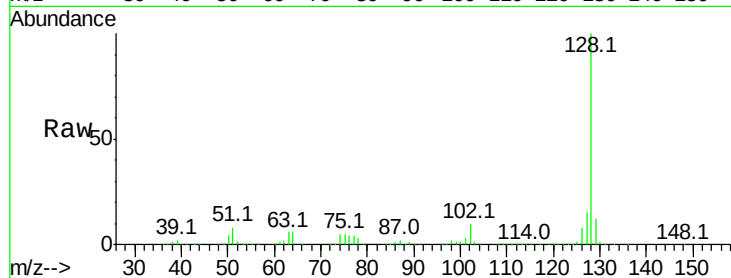
Tot Ion:128 Resp: 4631434

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

127 14.6 10.8 16.2



#33

4-Chloroaniline

Concen: 36.90 ng

RT: 8.15 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Tgt Ion:127 Resp: 664889

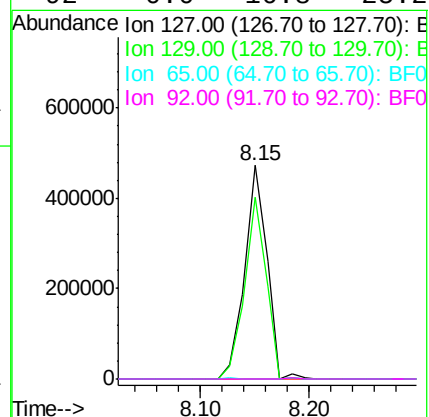
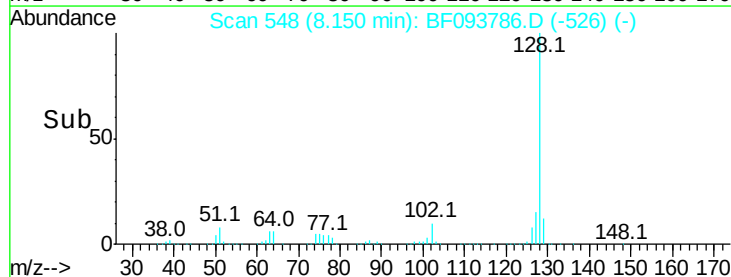
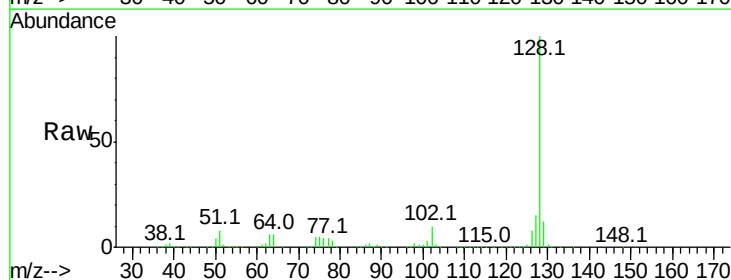
Ion Ratio Lower Upper

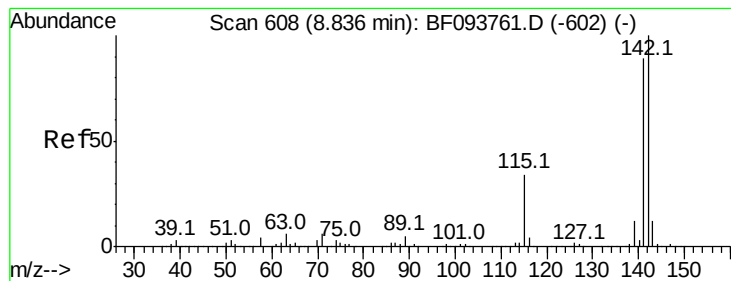
127 100

129 85.1 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 31.95 ng

RT: 8.84 min Scan# 608

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

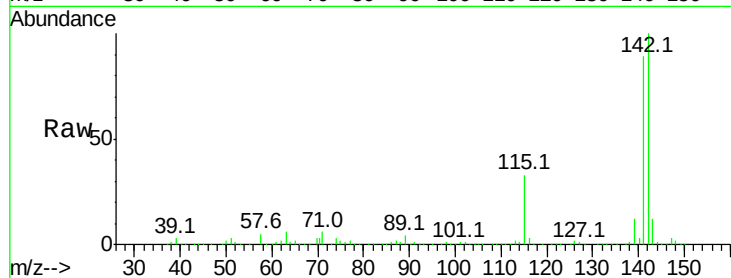
Tot Ion:142 Resp: 874450

Ion Ratio Lower Upper

142 100

141 89.4 71.3 106.9

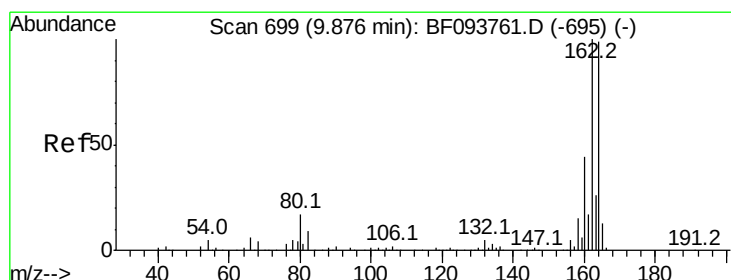
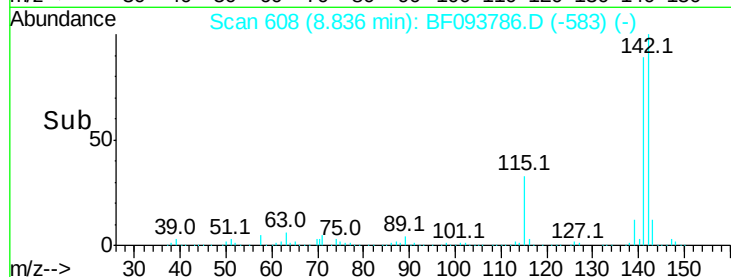
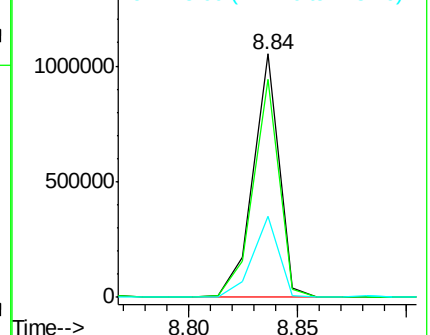
115 33.2 27.1 40.7



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: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

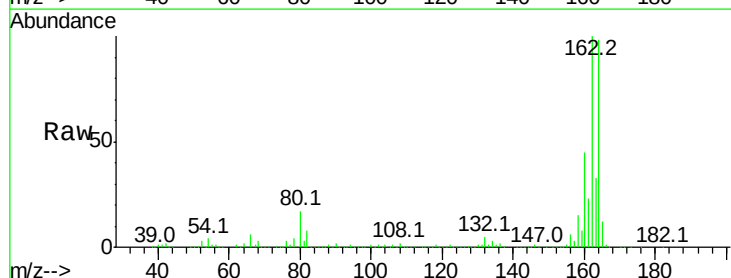
Tgt Ion:164 Resp: 404929

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

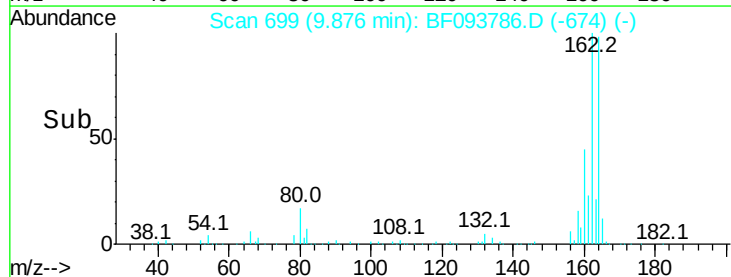
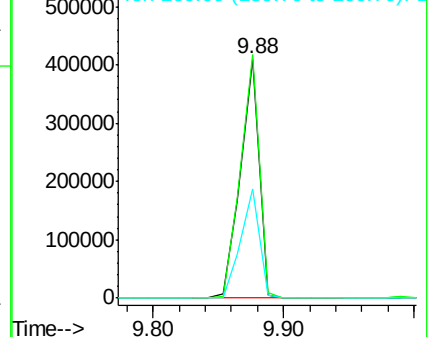
160 45.5 36.2 54.2

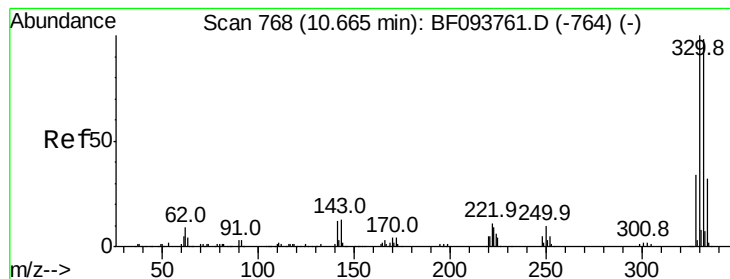


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

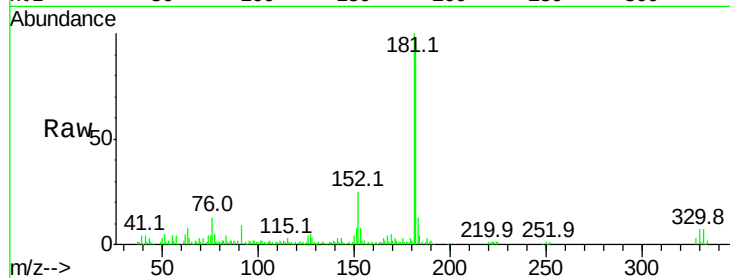




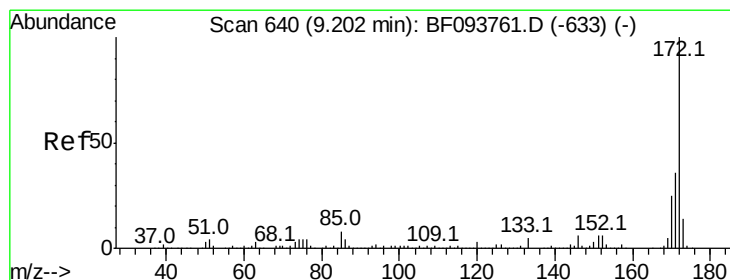
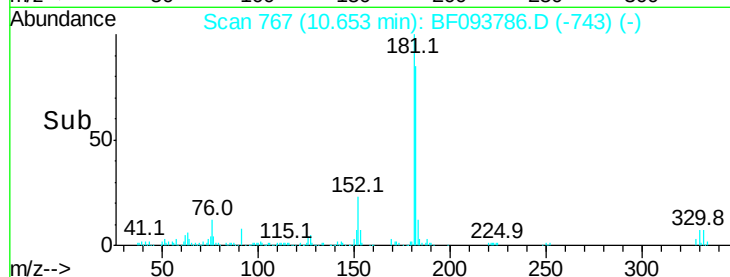
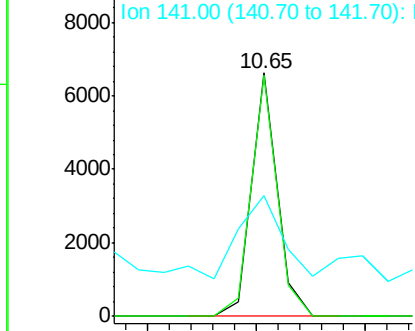
#41
 2,4,6-Tribromophenol
 Concen: 1.73 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF093786.D
 Acq: 21 Mar 2017 1:22

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-1MS

Tot Ion:330 Resp: 5421
 Ion Ratio Lower Upper
 330 100
 332 99.6 76.6 115.0
 141 54.5 31.4 47.2#

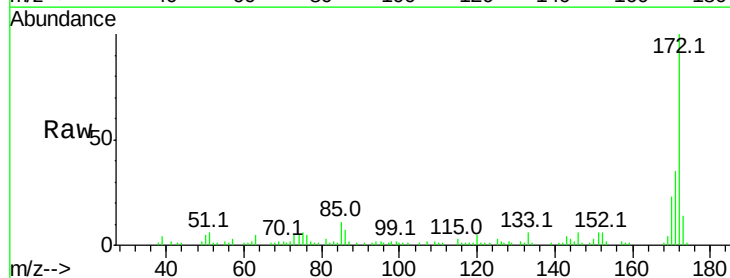


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

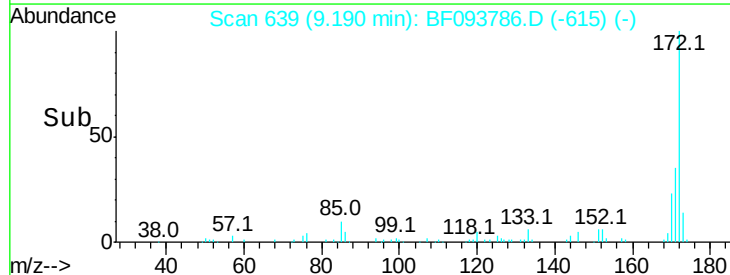
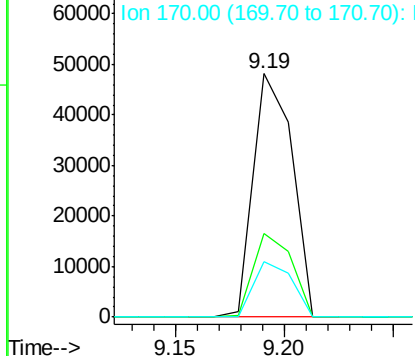


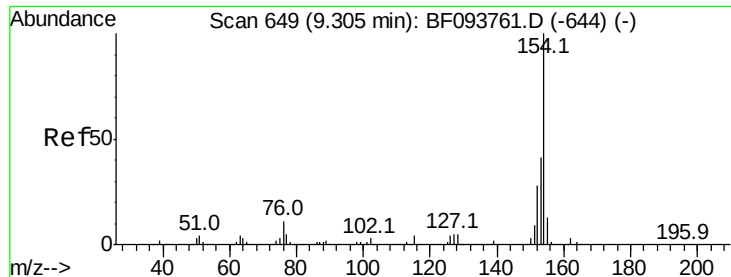
#44
 2-Fluorobiphenyl
 Concen: 2.50 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF093786.D
 Acq: 21 Mar 2017 1:22

Tgt Ion:172 Resp: 60124
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.6 44.4
 170 22.8 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

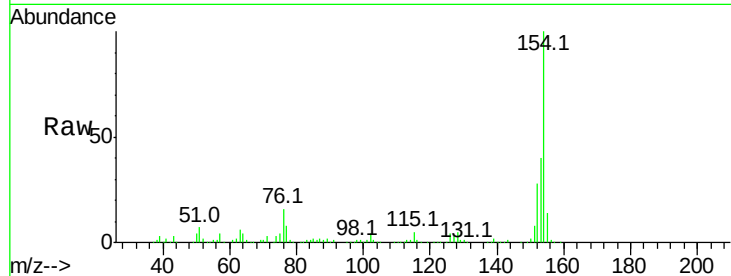




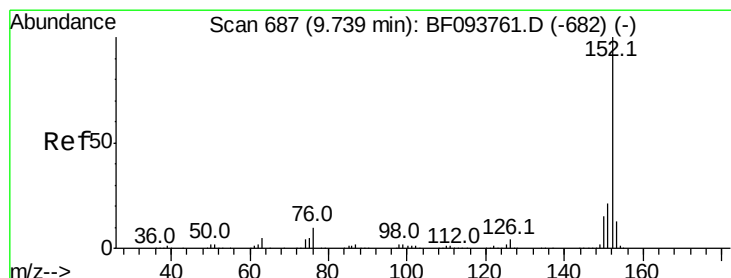
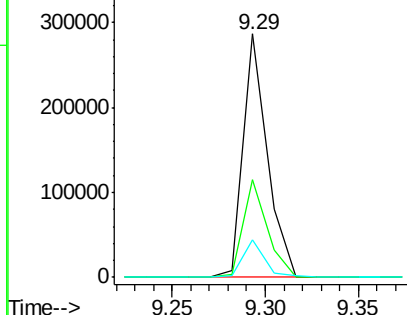
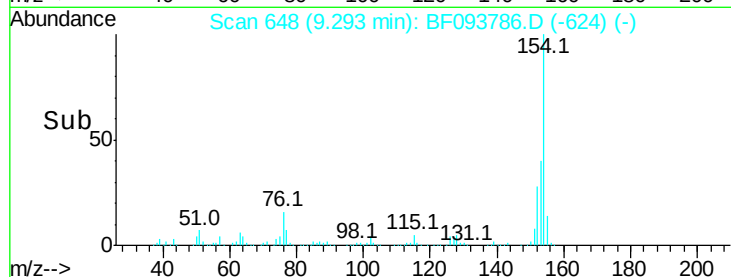
#45
 1,1'-Biphenyl
 Concen: 7.84 ng
 RT: 9.29 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: BF093786.D
 Acq: 21 Mar 2017 1:22

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-1MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.2	61.2
76	15.7	0.0	29.9

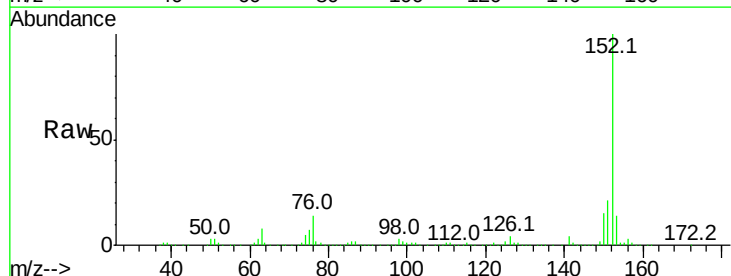


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

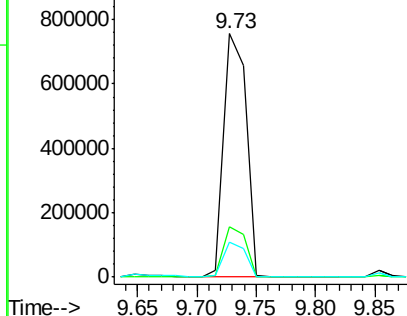
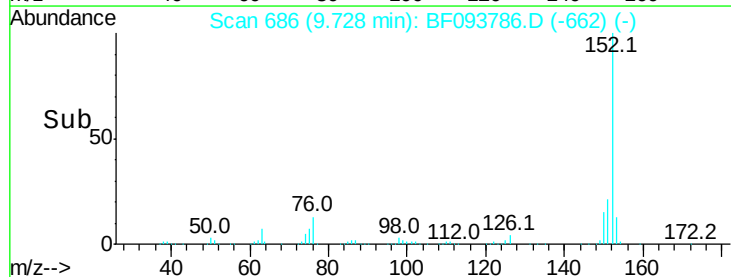


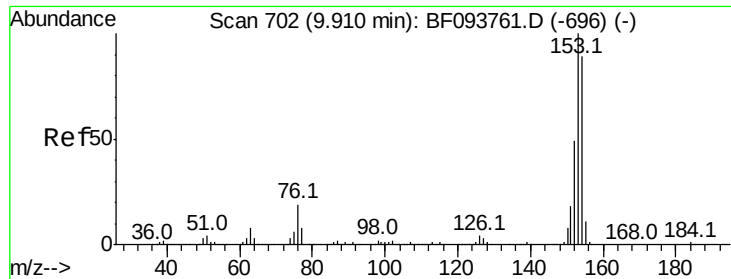
#48
 Acenaphthylene
 Concen: 24.13 ng
 RT: 9.73 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: BF093786.D
 Acq: 21 Mar 2017 1:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	14.4	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: 5.04 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.02 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampled :

CTMIX-1MS

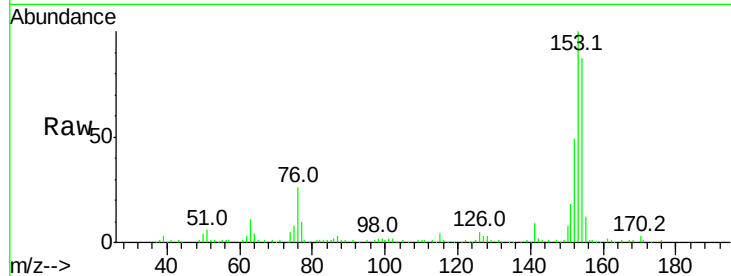
Tot Ion:154 Resp: 123636

Ion Ratio Lower Upper

154 100

153 115.6 90.5 135.7

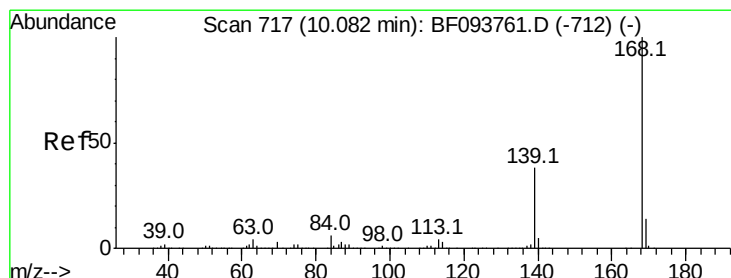
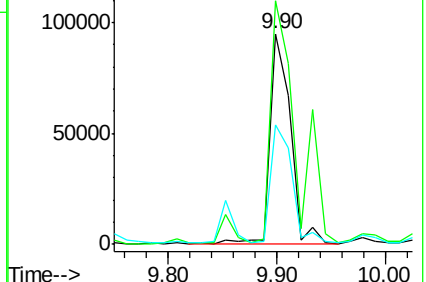
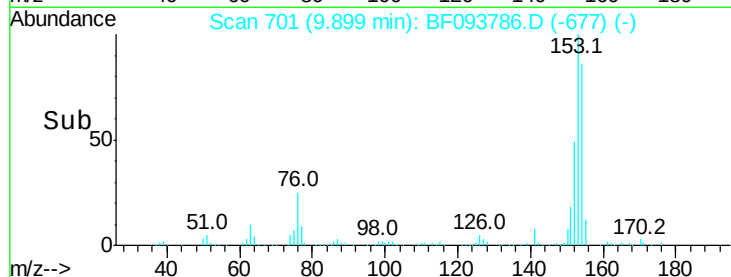
152 56.7 43.6 65.4



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

Dibenzofuran

Concen: 19.56 ng

RT: 10.08 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

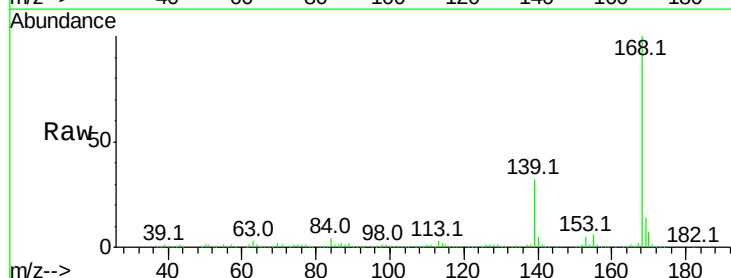
Tgt Ion:168 Resp: 645738

Ion Ratio Lower Upper

168 100

139 32.1 30.6 45.8

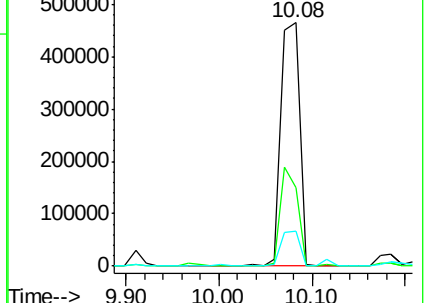
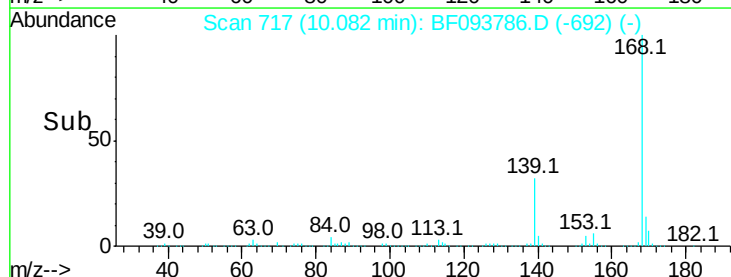
169 14.2 10.8 16.2

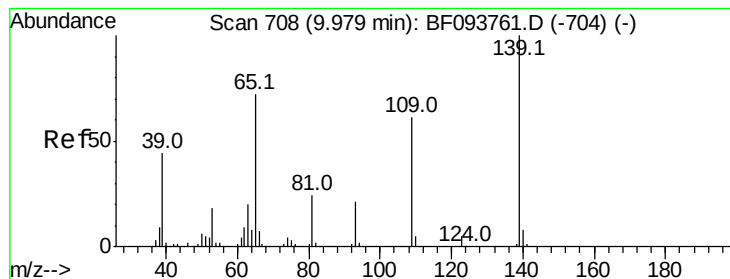


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 41.13 ng

RT: 10.07 min Scan# 716

Delta R.T. 0.08 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

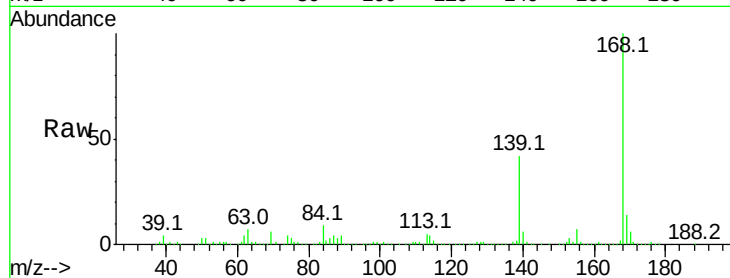
Tot Ion:139 Resp: 234634

Ion Ratio Lower Upper

139 100

109 1.2 34.1 74.1#

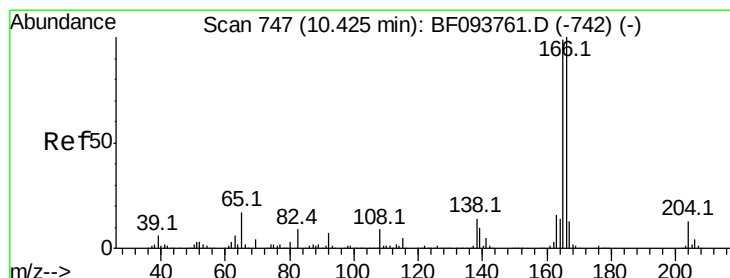
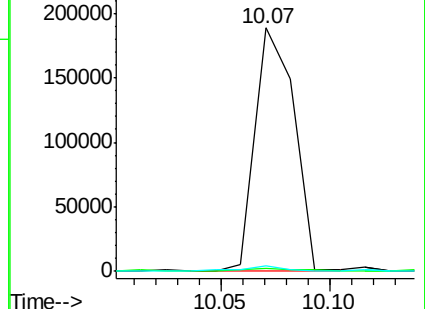
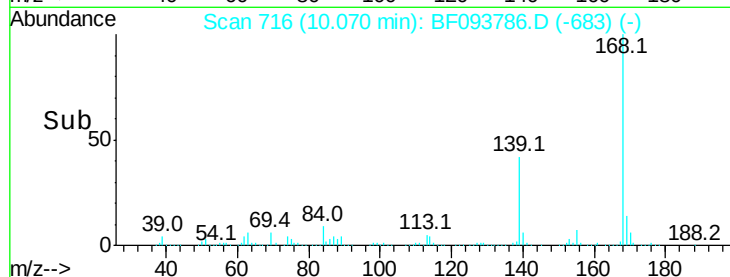
65 2.1 31.4 71.4#



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: 31.82 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

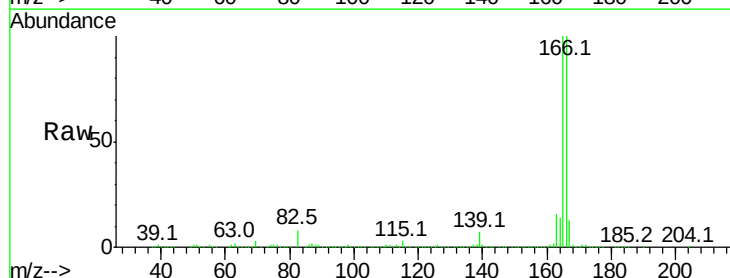
Tgt Ion:166 Resp: 804282

Ion Ratio Lower Upper

166 100

165 100.2 78.8 118.2

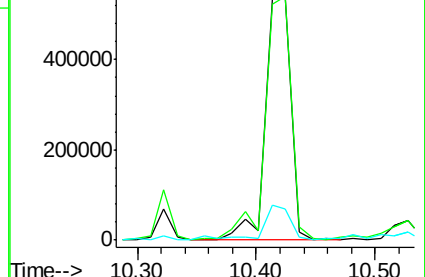
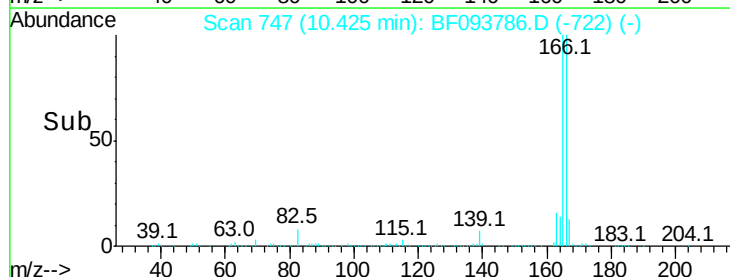
167 12.9 10.6 16.0

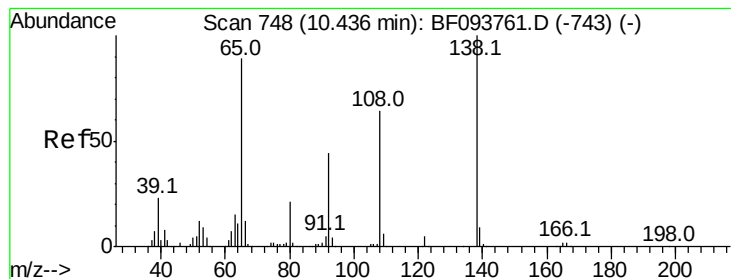


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.10 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.03 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

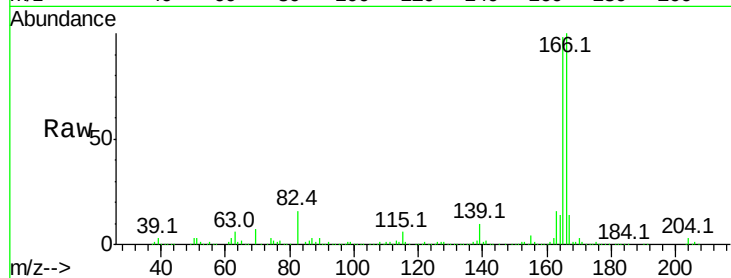
Tot Ion:138 Resp: 14287

Ion Ratio Lower Upper

138 100

92 25.2 21.8 61.8

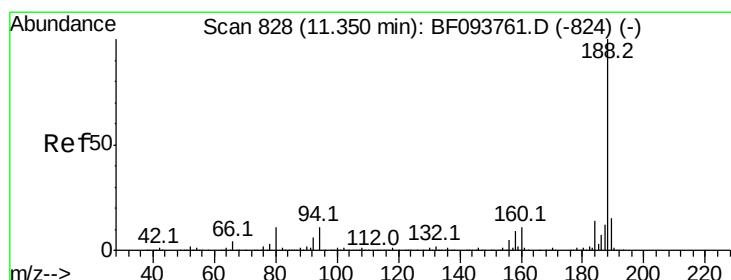
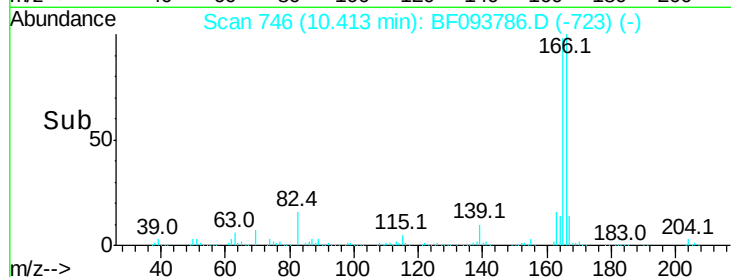
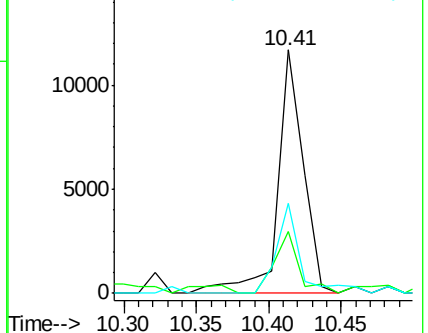
108 37.1 42.3 82.3#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

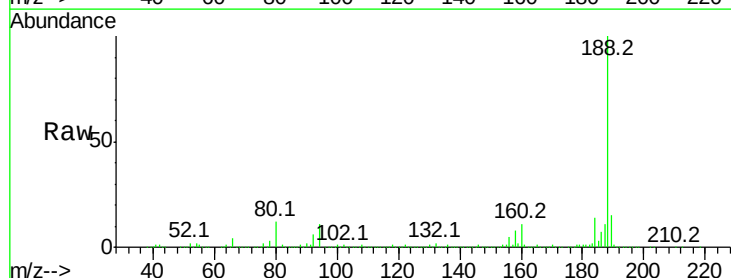
Tgt Ion:188 Resp: 612193

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

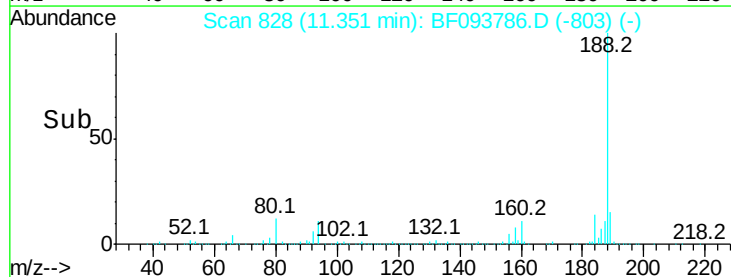
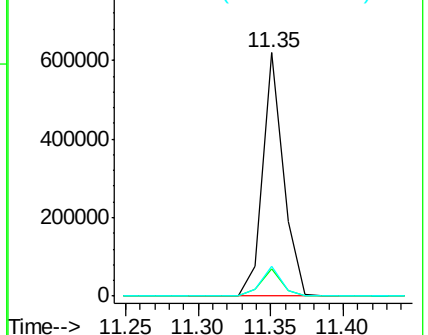
80 12.1 10.2 15.2

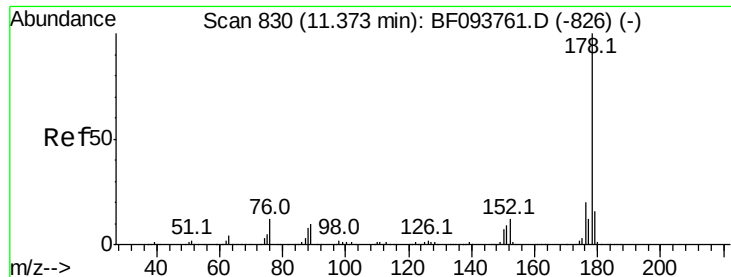


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

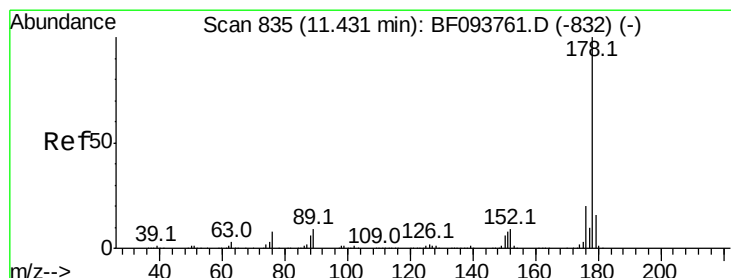
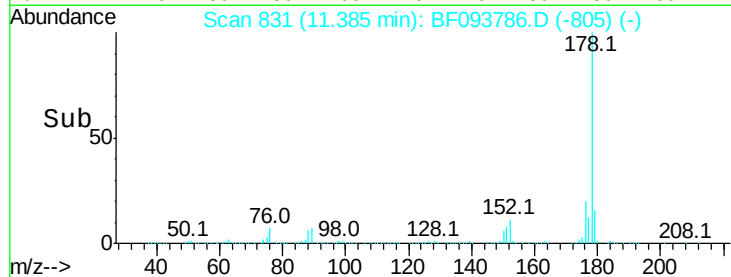
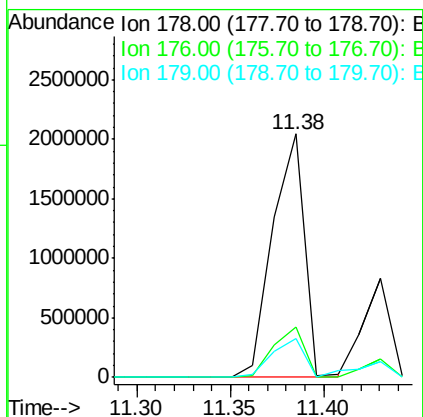
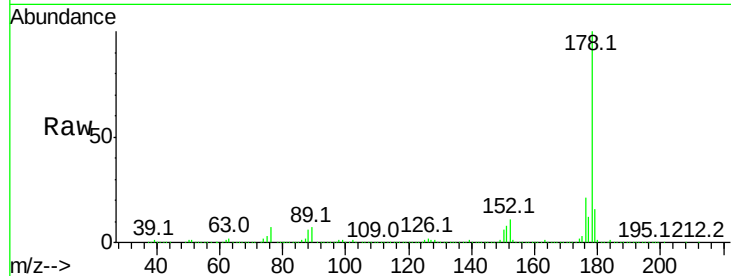




#70
Phenanthrene
Concen: 74.33 ng
RT: 11.38 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

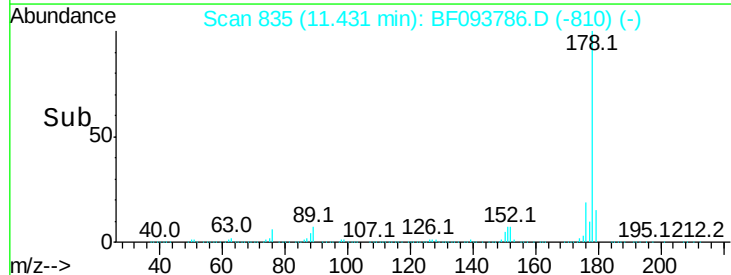
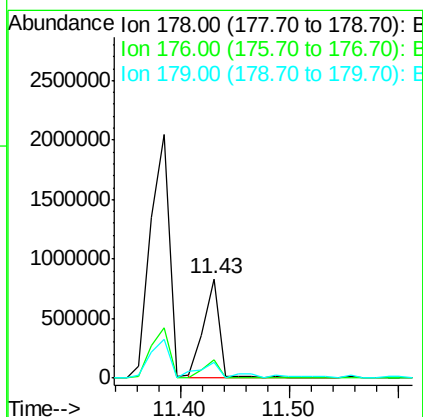
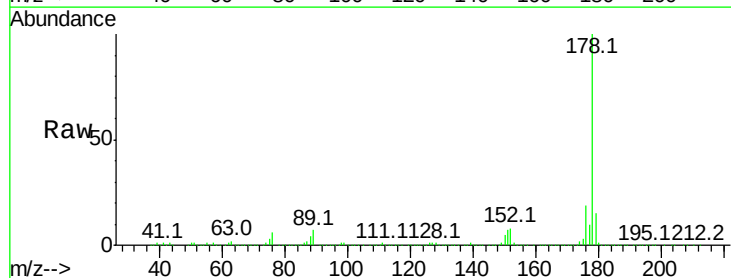
Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

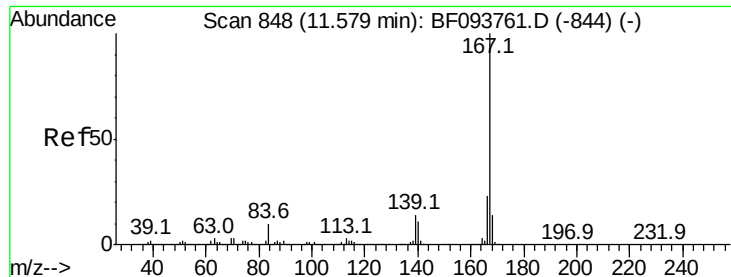
Tot Ion:178 Resp: 2423591
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 15.9 12.6 19.0



#71
Anthracene
Concen: 25.61 ng
RT: 11.43 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:178 Resp: 859566
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.3 12.7 19.1





#72

Carbazole

Concen: 8.95 ng

RT: 11.58 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

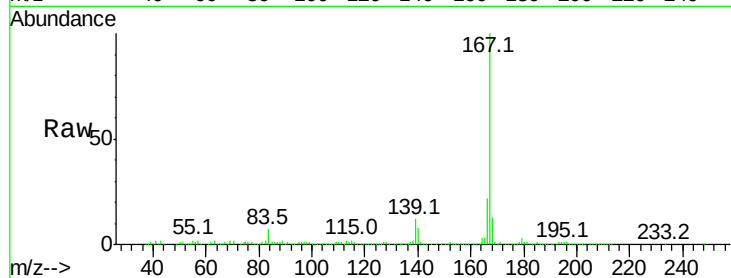
Tot Ion:167 Resp: 297294

Ion Ratio Lower Upper

167 100

166 21.6 18.1 27.1

139 11.8 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

300000

200000

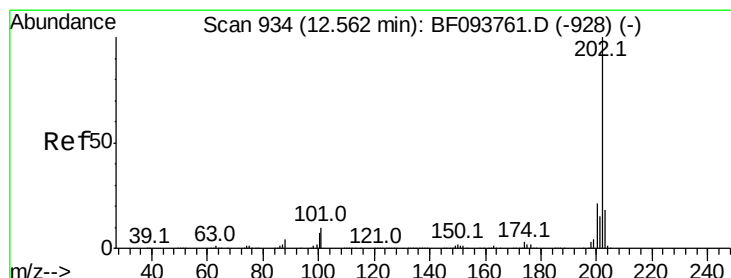
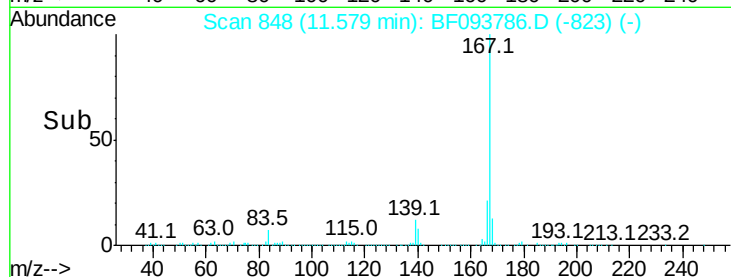
100000

0

11.55

11.60

Time-->



#74

Fluoranthene

Concen: 40.62 ng

RT: 12.56 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

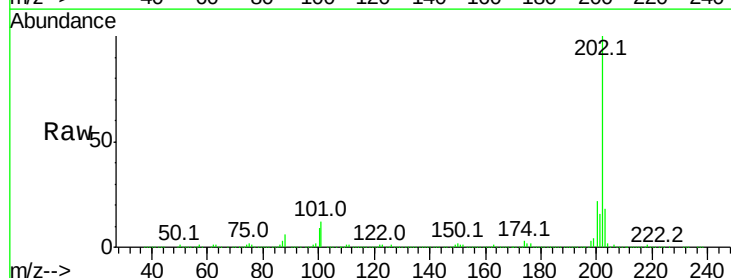
Tgt Ion:202 Resp: 1361185

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

203 18.0 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

1500000

1000000

500000

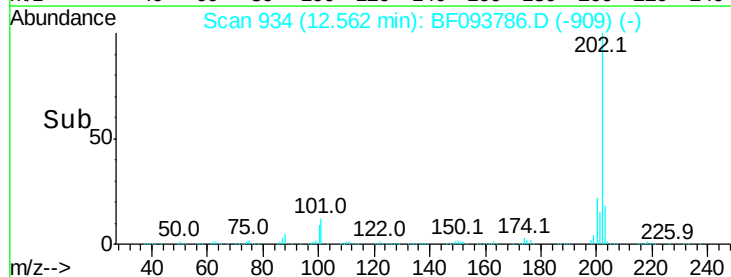
0

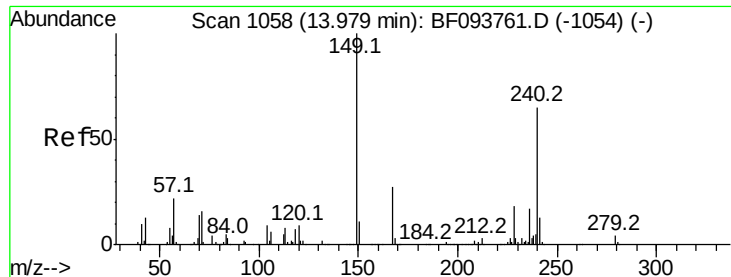
12.50

12.55

12.60

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampled :

CTMIX-1MS

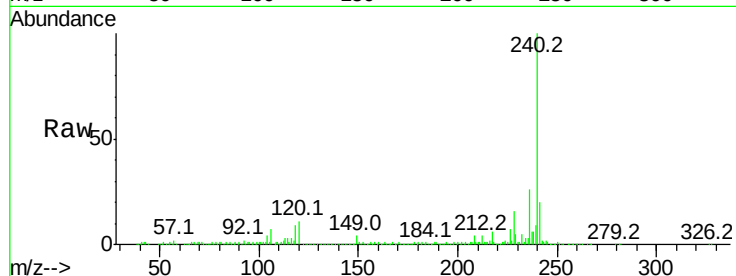
Tot Ion:240 Resp: 387988

Ion Ratio Lower Upper

240 100

120 11.4 5.8 8.8#

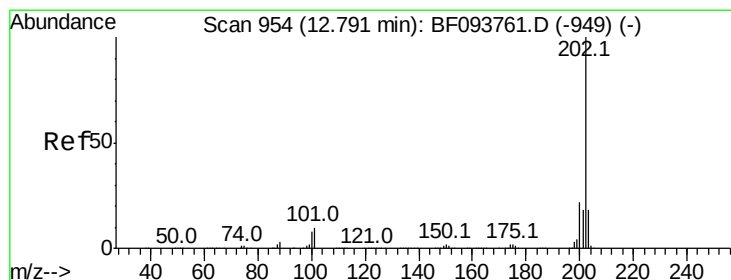
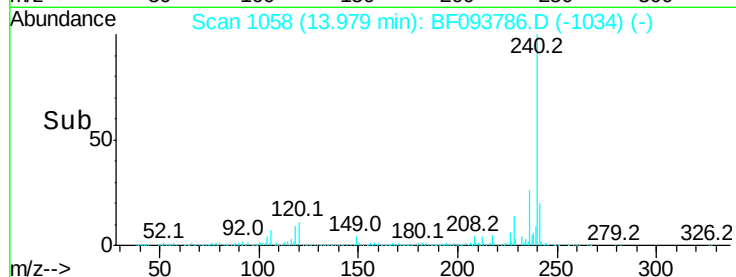
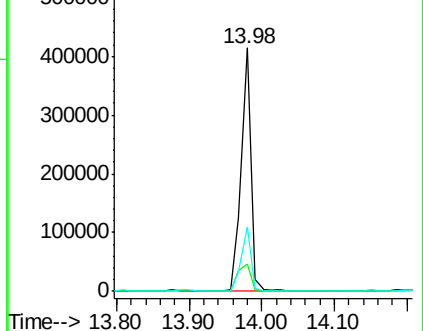
236 26.3 20.5 30.7



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: 41.00 ng

RT: 12.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

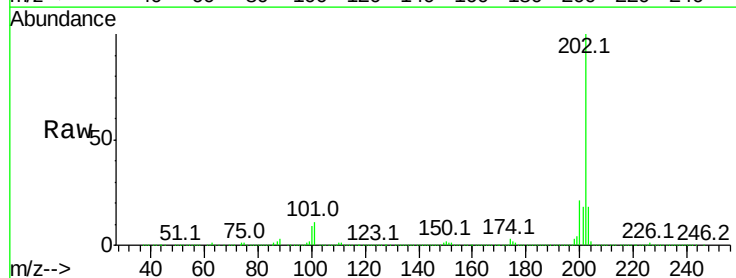
Tgt Ion:202 Resp: 1323748

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

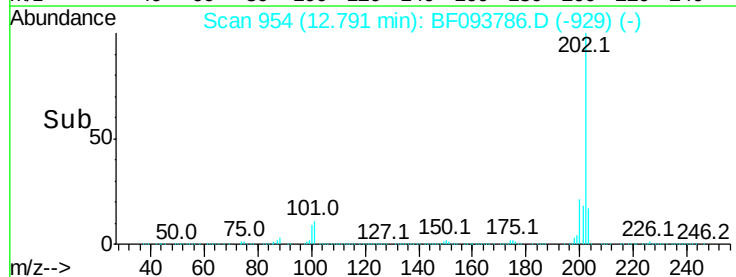
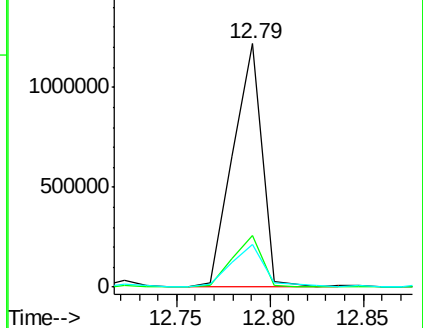
203 17.6 14.4 21.6

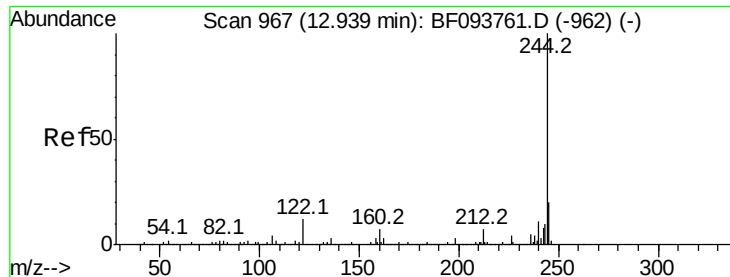


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

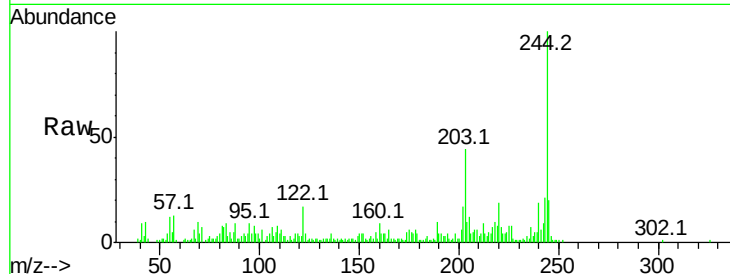




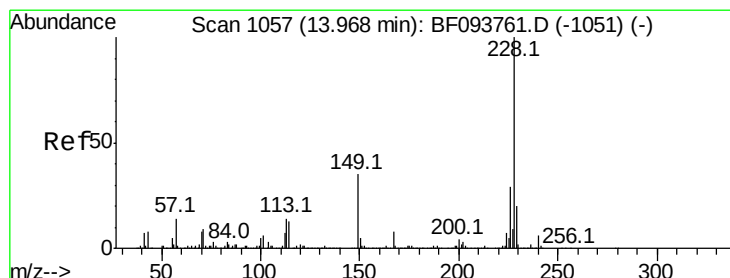
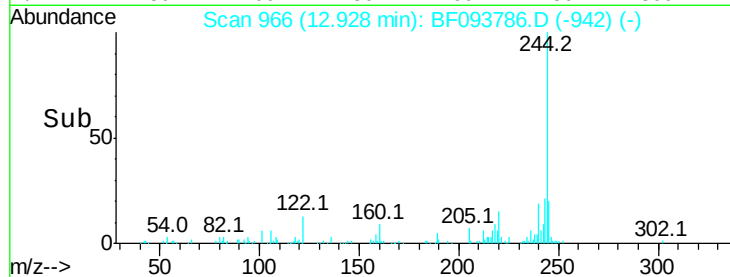
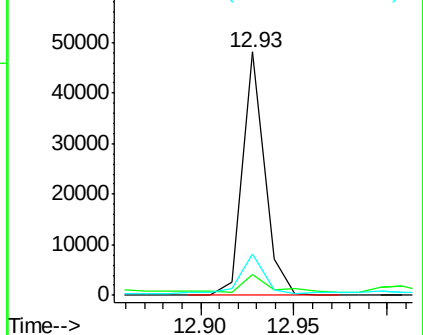
#78
 Terphenyl-d14
 Concen: 2.10 ng
 RT: 12.93 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: BF093786.D
 Acq: 21 Mar 2017 1:22

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-1MS

Tot Ion:244 Resp: 39917
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.0 9.0
 122 17.2 10.3 15.5#

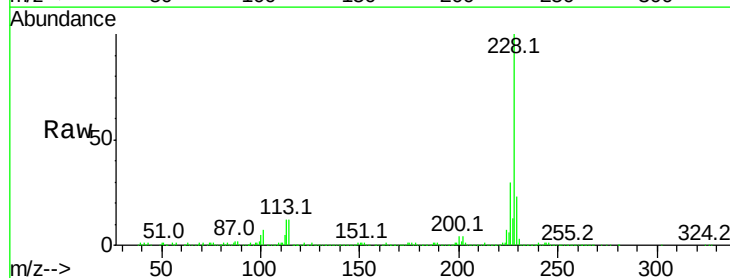


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

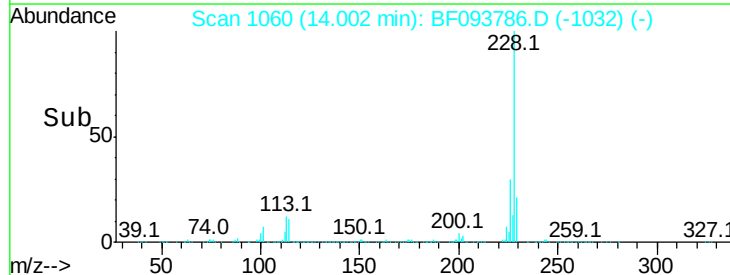
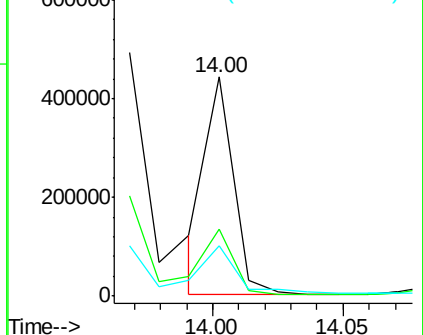


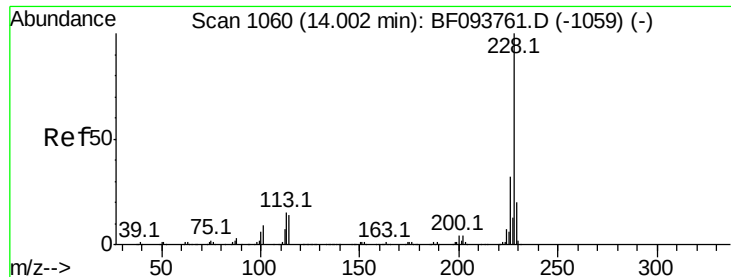
#80
 Benzo(a)anthracene
 Concen: 13.45 ng
 RT: 14.00 min Scan# 1060
 Delta R.T. 0.02 min
 Lab File: BF093786.D
 Acq: 21 Mar 2017 1:22

Tgt Ion:228 Resp: 326774
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 22.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.46 ng

RT: 14.00 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

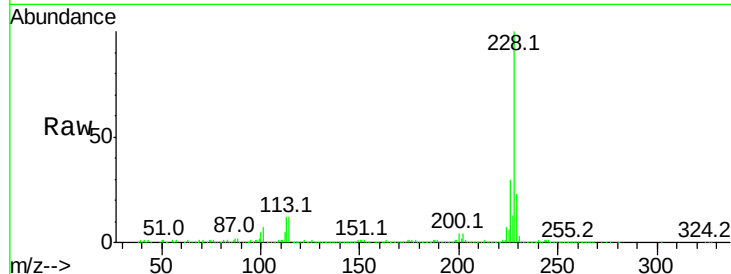
Tot Ion:228 Resp: 326774

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

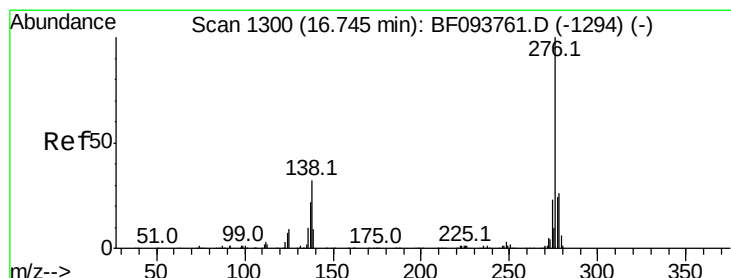
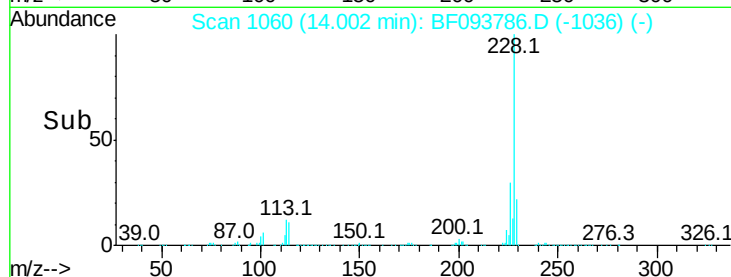
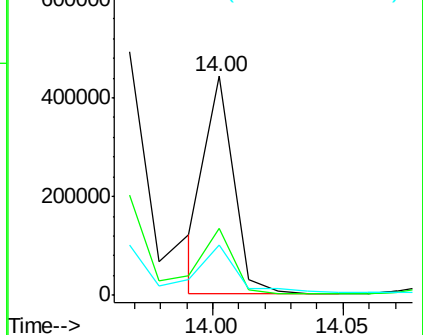
229 22.8 15.8 23.6



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: 7.15 ng

RT: 16.75 min Scan# 1300

Delta R.T. -0.03 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

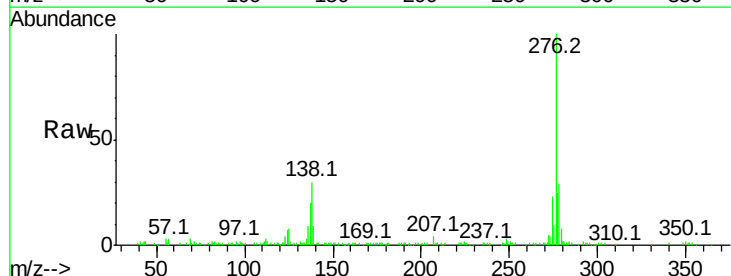
Tgt Ion:276 Resp: 142191

Ion Ratio Lower Upper

276 100

138 31.7 27.8 41.6

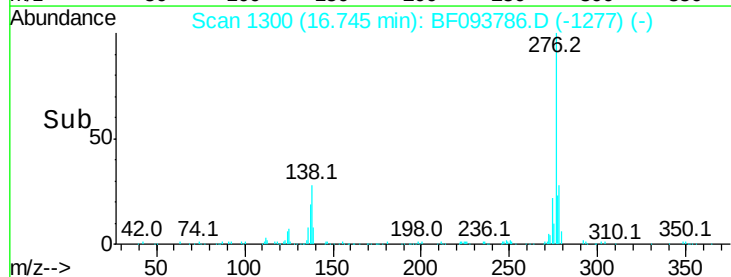
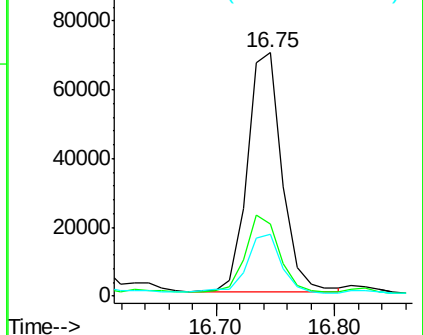
277 24.6 20.2 30.4

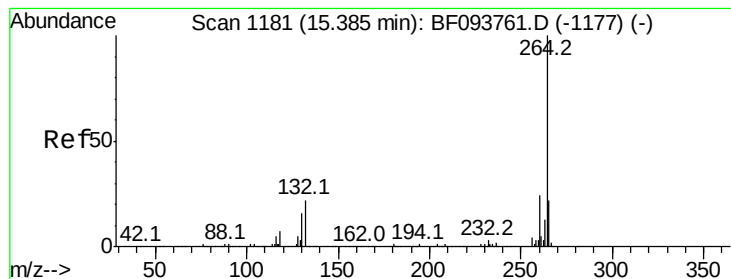


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF093786.D

Acq: 21 Mar 2017 1:22

Instrument :

BNA_F

ClientSampleId :

CTMIX-1MS

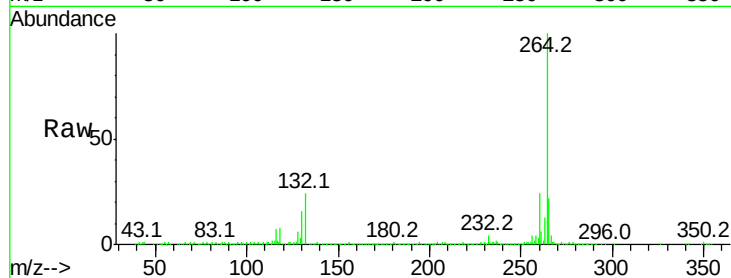
Tot Ion:264 Resp: 347324

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

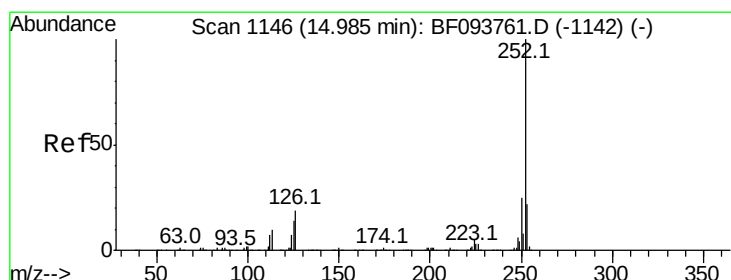
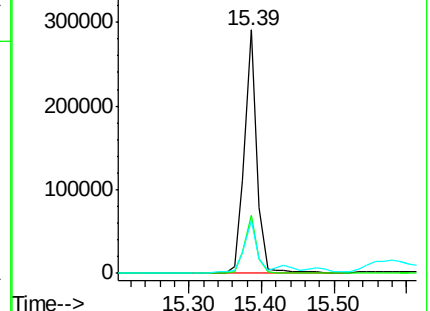
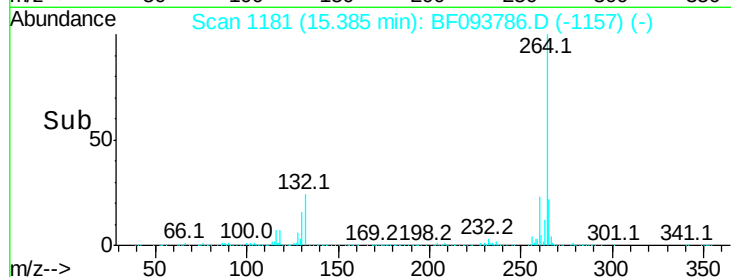
265 21.9 17.2 25.8



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: 4.24 ng

RT: 15.09 min Scan# 1155

Delta R.T. 0.08 min

Lab File: BF093786.D

Acq: 21 Mar 2017 1:22

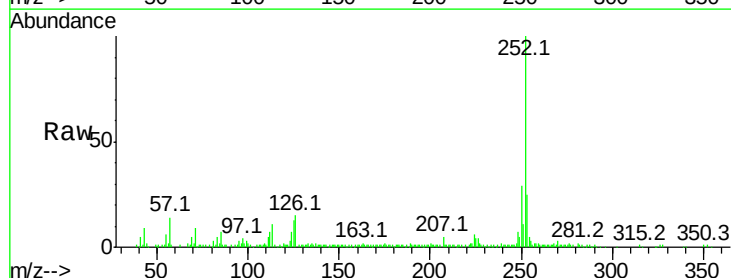
Tgt Ion:252 Resp: 99344

Ion Ratio Lower Upper

252 100

253 25.4 18.1 27.1

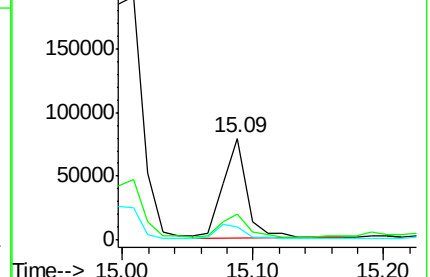
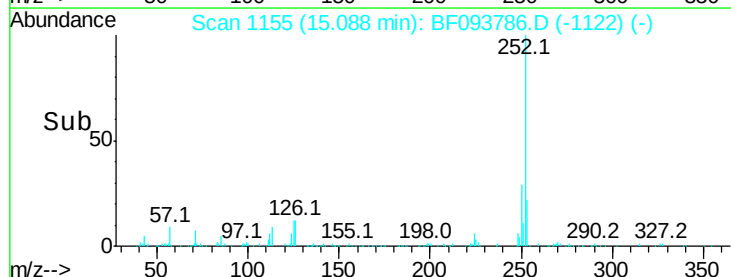
125 13.2 9.8 14.8

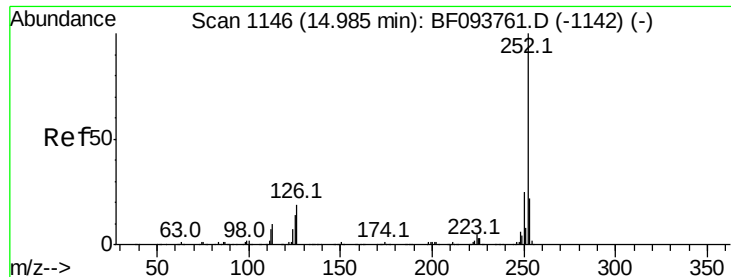


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

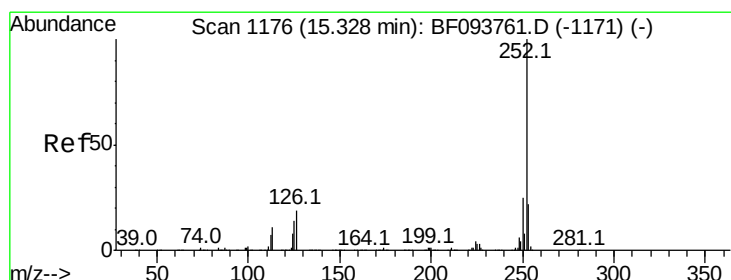
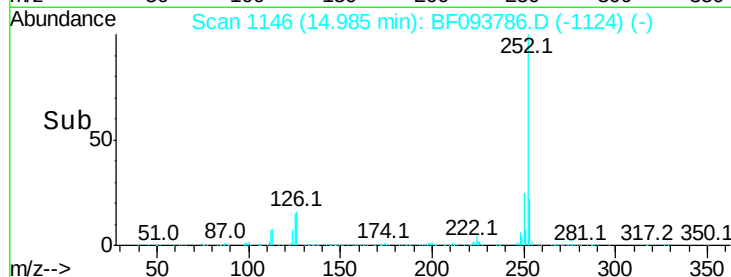
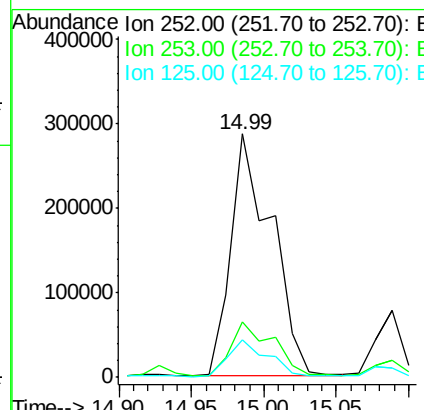
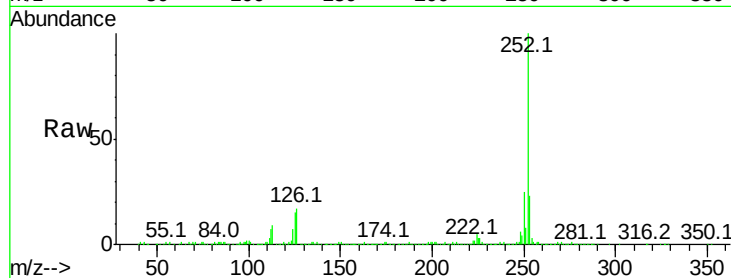




#88
Benzo(k)fluoranthene
Concen: 32.43 ng
RT: 14.99 min Scan# 1146
Delta R.T. -0.04 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

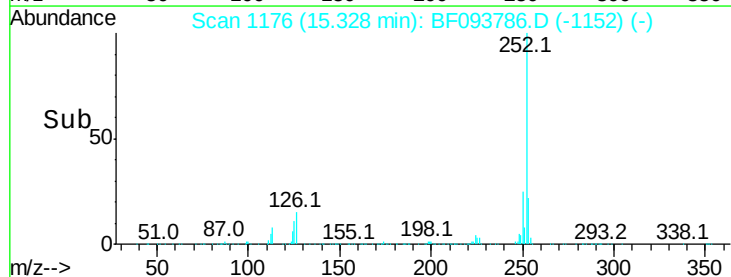
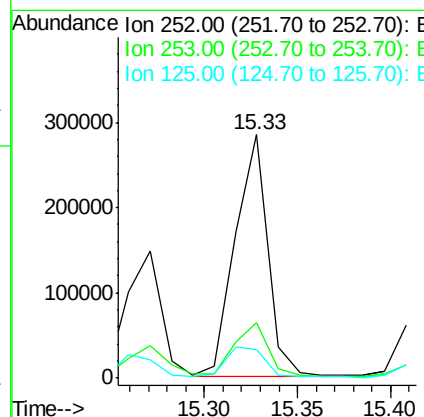
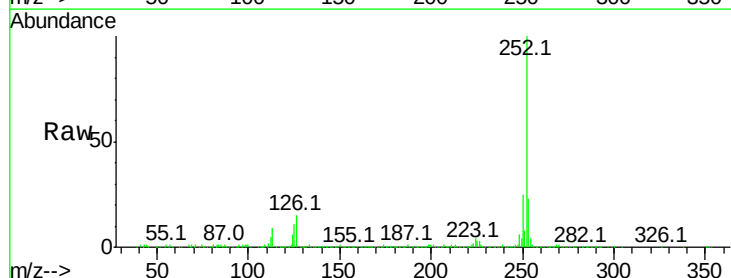
Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

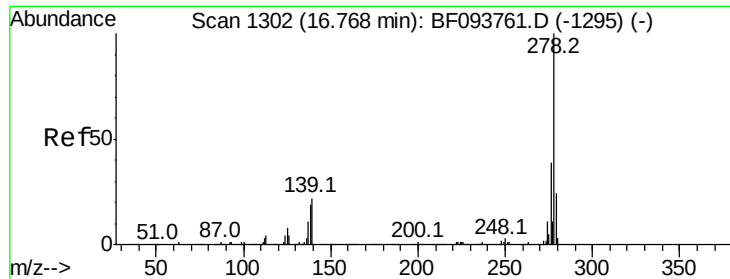
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	15.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 18.37 ng
RT: 15.33 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.5	11.0	16.4

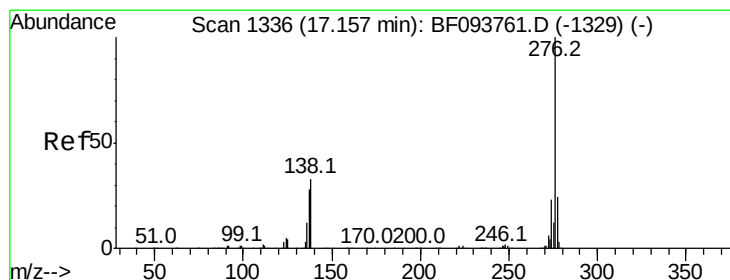
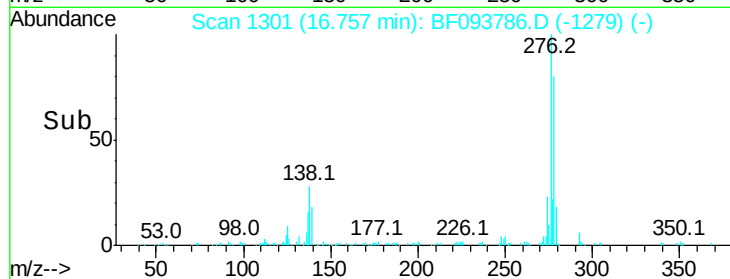
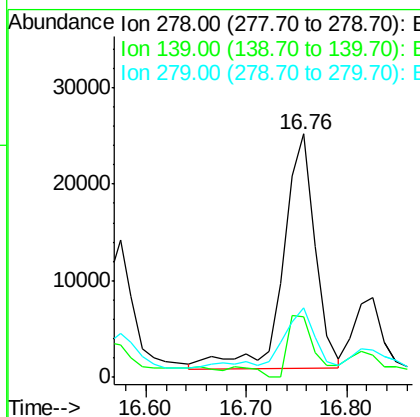
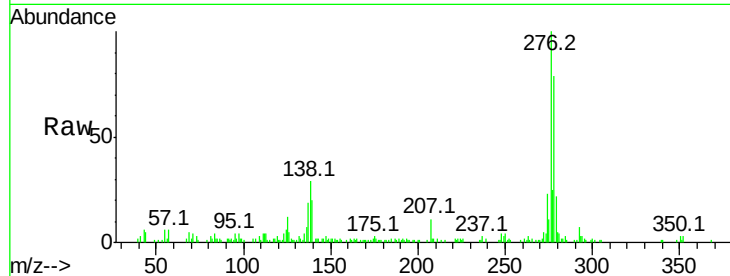




#90
Dibenzo(a,h)anthracene
Concen: 3.38 ng
RT: 16.76 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tot Ion:278 Resp: 53313
Ion Ratio Lower Upper
278 100
139 25.0 16.6 24.8#
279 28.4 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 8.39 ng
RT: 17.15 min Scan# 1335
Delta R.T. -0.05 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:276 Resp: 131231
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 32.5 25.4 38.0

