

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093788.D
 Acq On : 21 Mar 2017 2:17
 Operator : SJ/MA
 Sample : I2280-03 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-2

Quant Time: Mar 21 03:45:14 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	225721	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	853988	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	376475	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	579887	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	389085	20.00	ng	-0.02
86) Perylene-d12	15.39	264	338717	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	31031	2.40	ng	-0.02
7) Phenol-d6	6.45	99	38384	2.41	ng	-0.03
23) Nitrobenzene-d5	7.38	82	19656	1.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	3488	1.20	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	46347	2.07	ng	-0.02
78) Terphenyl-d14	12.93	244	30197	1.58	ng	-0.02

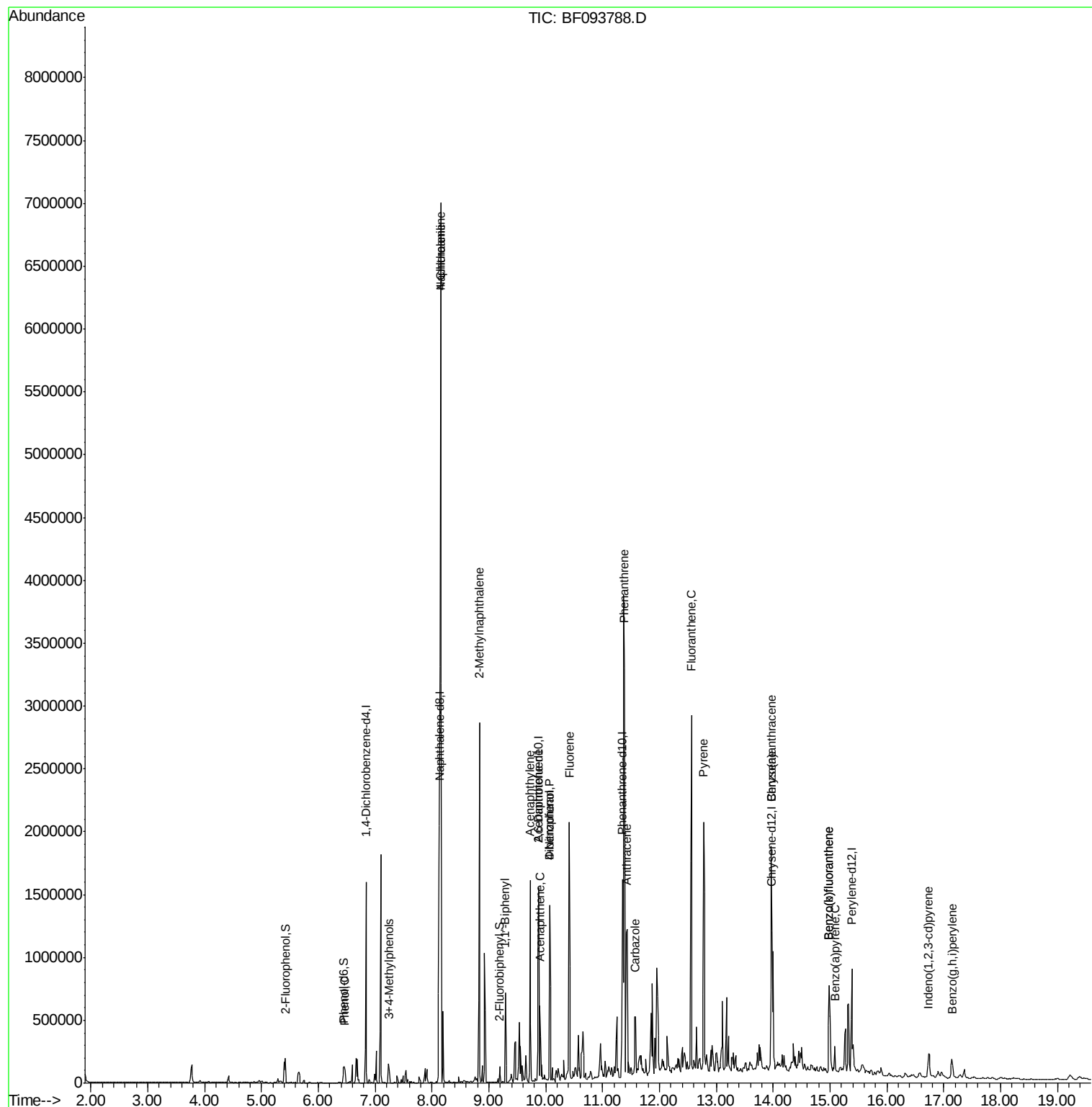
Target Compounds						Qvalue
10) Phenol	6.47	94	48084	2.68	ng	82
20) 3+4-Methylphenols	7.24	107	37000	2.51	ng	# 63
31) Naphthalene	8.15	128	4695535	118.46	ng	97
33) 4-Chloroaniline	8.15	127	661734	38.85	ng	# 31
37) 2-Methylnaphthalene	8.84	142	757858	29.29	ng	98
45) 1,1'-Biphenyl	9.29	154	206592	6.75	ng	95
48) Acenaphthylene	9.73	152	661690	17.33	ng	99
50) 2,6-Dinitrotoluene	9.88	165	60492	10.28	ng	# 34
51) Acenaphthene	9.90	154	155286	6.81	ng	99
54) Dibenzofuran	10.07	168	644129	20.99	ng	95
55) 4-Nitrophenol	10.07	139	239121	45.09	ng	# 27
57) Fluorene	10.41	166	679176	28.90	ng	99
70) Phenanthrene	11.38	178	2194085	71.04	ng	99
71) Anthracene	11.43	178	708373	22.28	ng	98
72) Carbazole	11.58	167	291392	9.26	ng	# 96
74) Fluoranthene	12.56	202	1360744	42.87	ng	96
77) Pyrene	12.78	202	1067873	32.98	ng	99
80) Benzo(a)anthracene	13.97	228	544966	22.36	ng	# 88
82) Chrysene	13.97	228	544966	22.38	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.73	276	121384	6.09	ng	98
87) Benzo(b)fluoranthene	14.99	252	531712	23.29	ng	97
88) Benzo(k)fluoranthene	14.99	252	531712	31.53	ng	97
89) Benzo(a)pyrene	15.09	252	97310	5.26	ng	95
91) Benzo(g,h,i)perylene	17.15	276	108027	7.08	ng	97

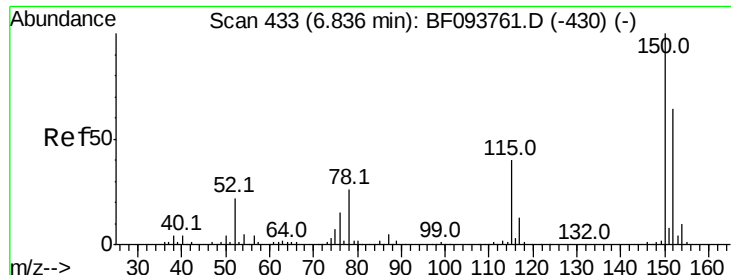
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

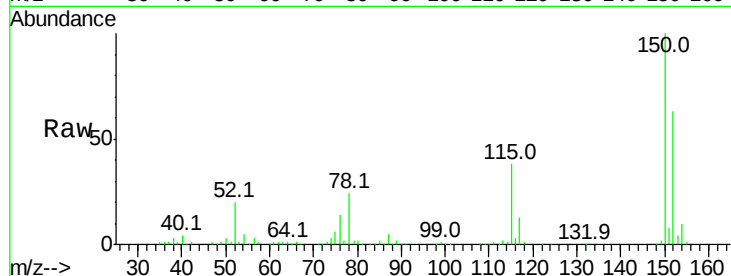
Tot Ion:152 Resp: 225721

Ion Ratio Lower Upper

152 100

150 158.6 126.2 189.2

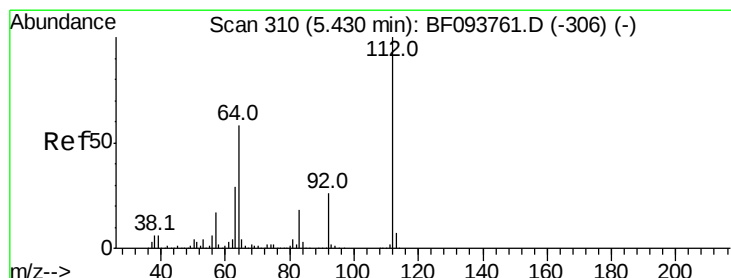
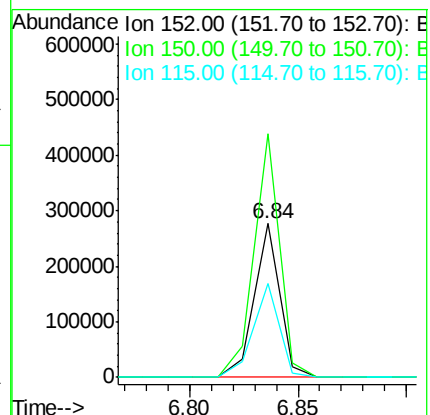
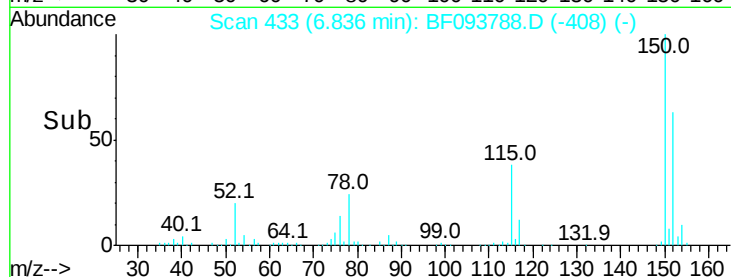
115 60.9 52.2 78.2



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: 2.40 ng

RT: 5.42 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

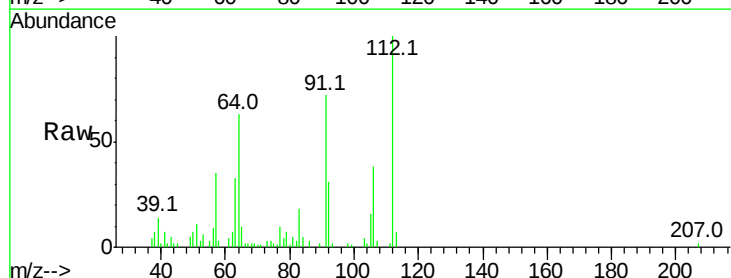
Tgt Ion:112 Resp: 31031

Ion Ratio Lower Upper

112 100

64 62.7 46.0 69.0

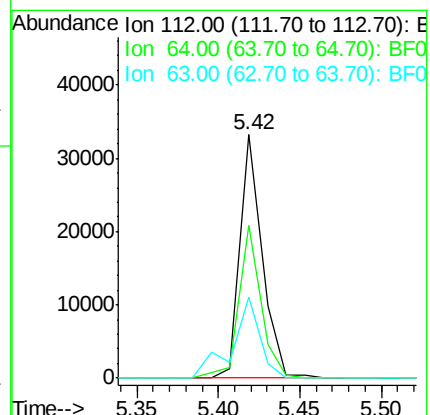
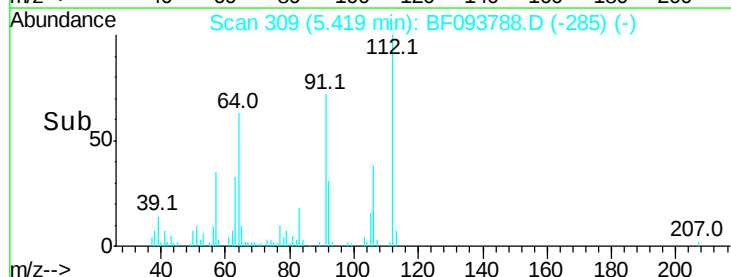
63 33.2 23.4 35.0

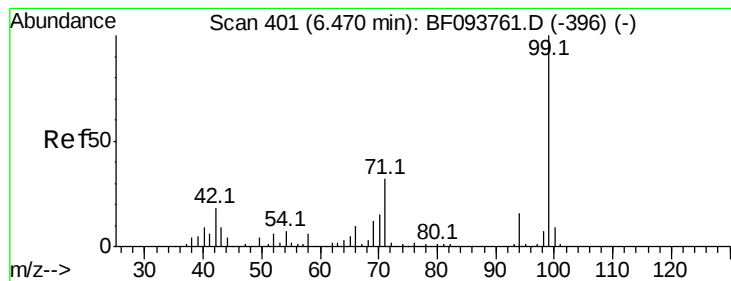


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.41 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

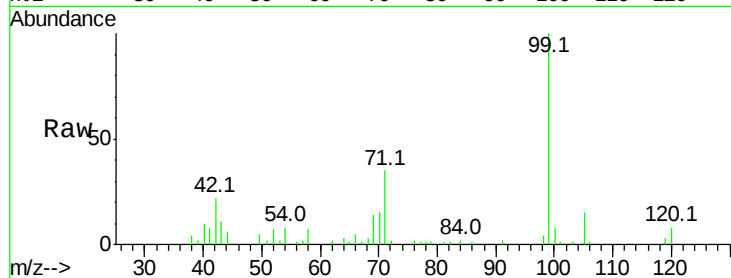
Tot Ion: 99 Resp: 38384

Ion Ratio Lower Upper

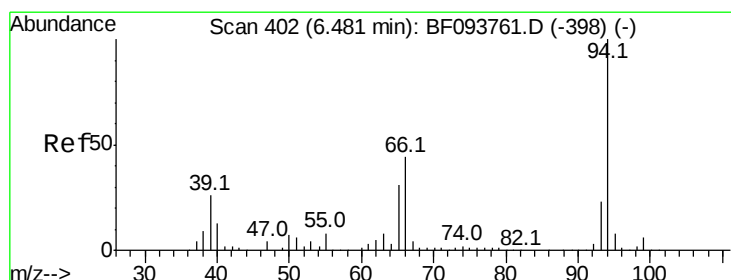
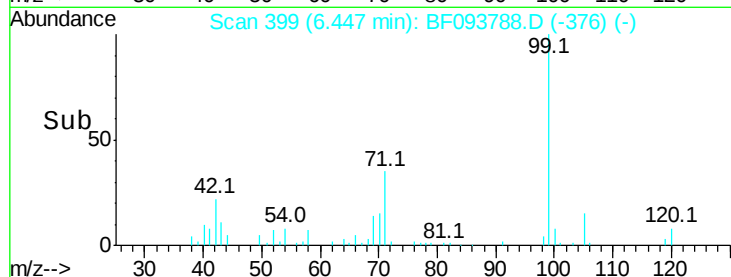
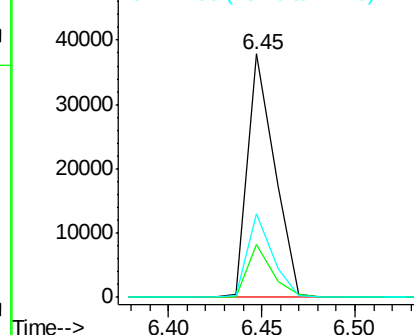
99 100

42 21.7 13.5 20.3#

71 34.6 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: 2.68 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

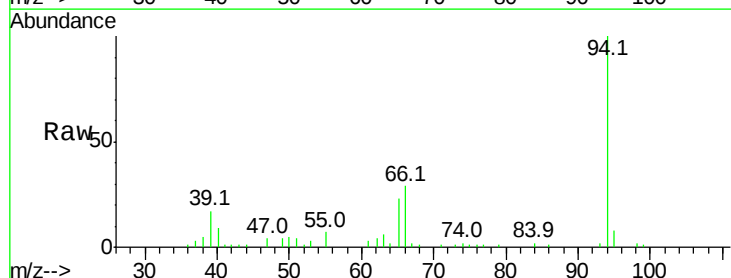
Tgt Ion: 94 Resp: 48084

Ion Ratio Lower Upper

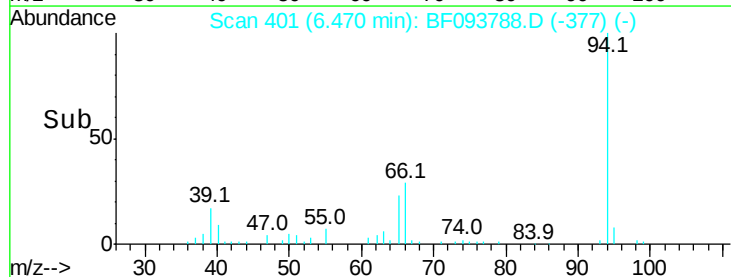
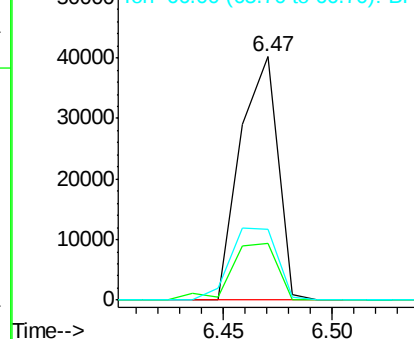
94 100

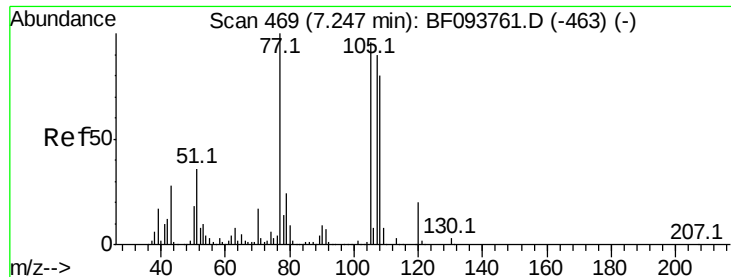
65 23.1 9.9 49.9

66 29.2 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





#20

3+4-Methylphenols

Concen: 2.51 ng

RT: 7.24 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

Tot Ion:107 Resp: 37000

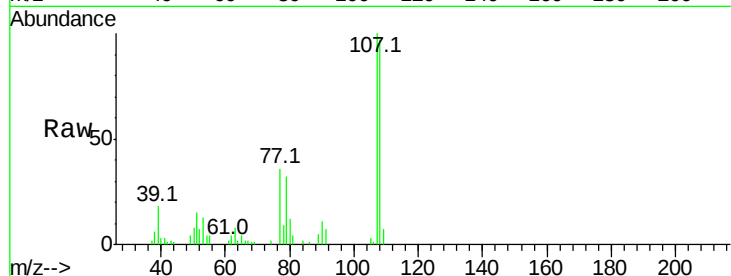
Ion Ratio Lower Upper

107 100

108 97.2 71.0 111.0

77 36.4 90.5 130.5#

79 32.4 8.4 48.4

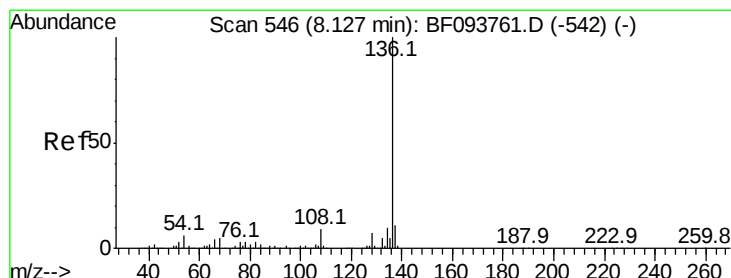
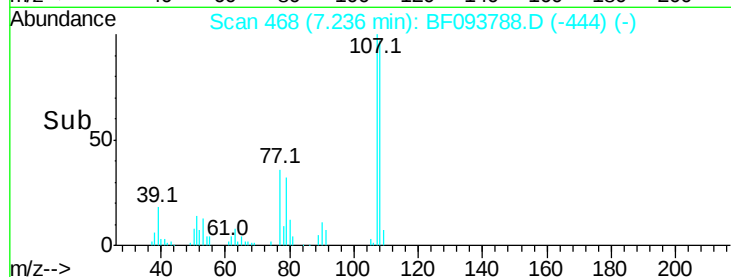
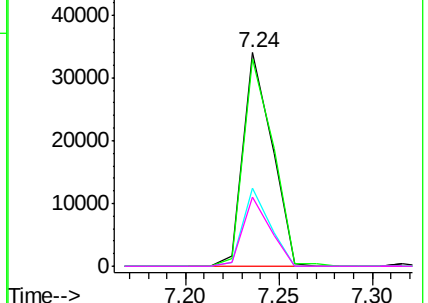


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Tgt Ion:136 Resp: 853988

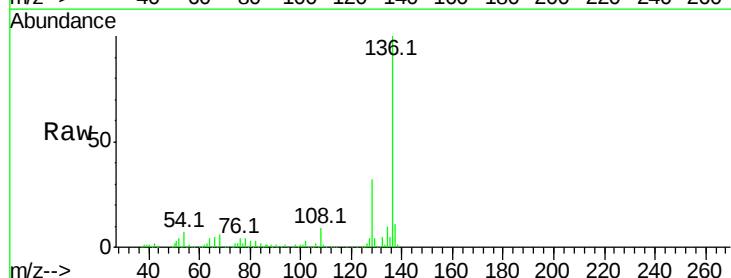
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.1 4.9 7.3

68 6.0 4.1 6.1

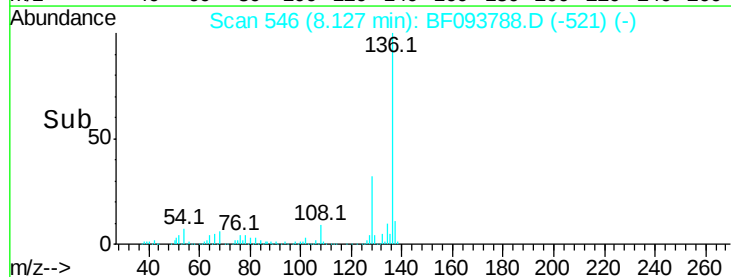
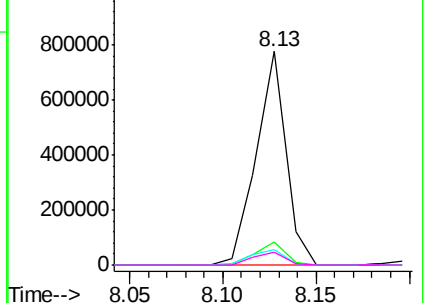


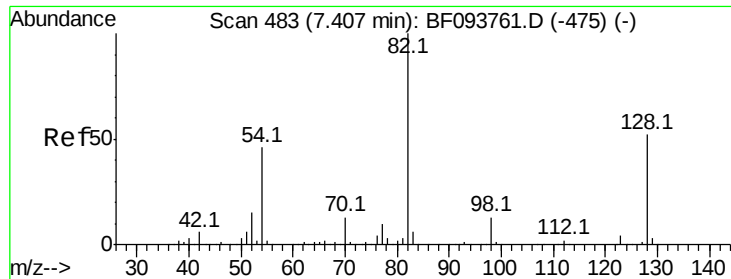
Abundance Ion 136.00 (135.70 to 136.70): E

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

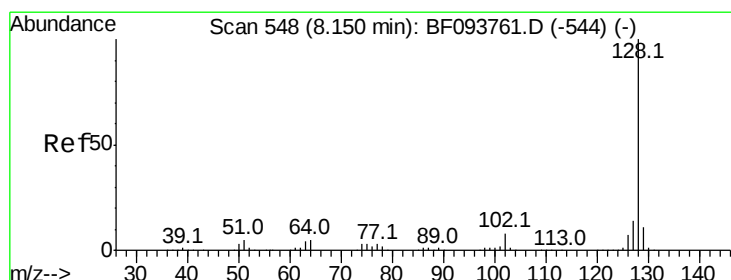
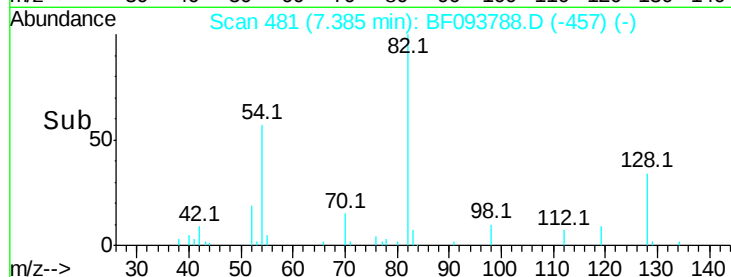
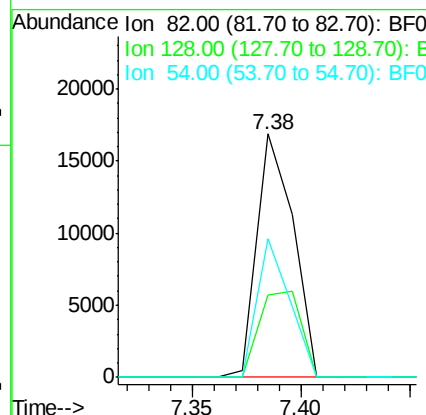
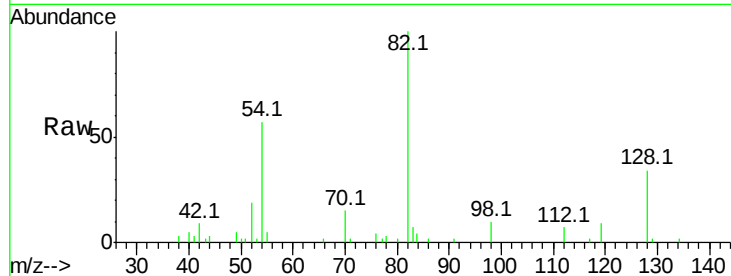




#23
Nitrobenzene-d5
Concen: 1.31 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

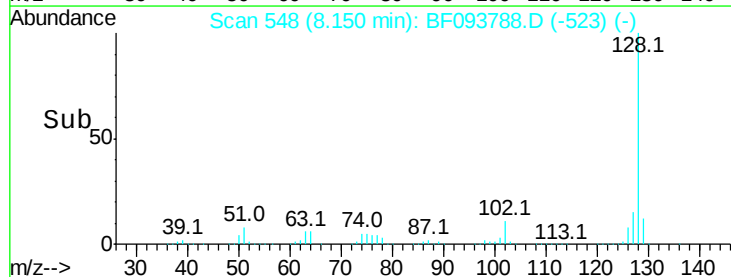
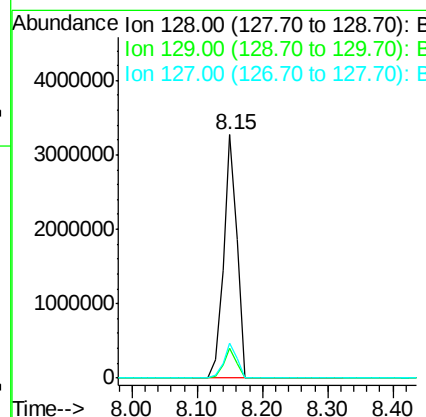
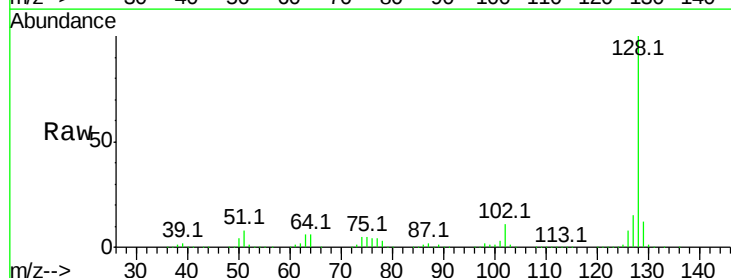
Instrument :
BNA_F
ClientSampled :
CTMIX-2

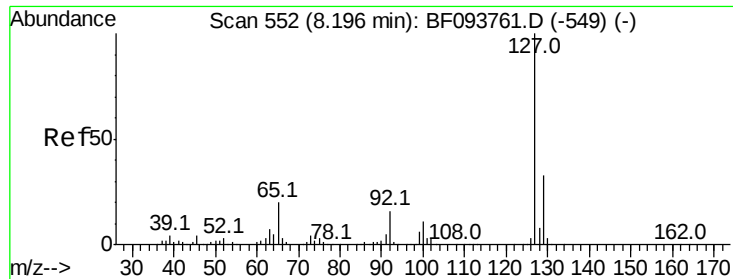
Tot Ion: 82 Resp: 19656
Ion Ratio Lower Upper
82 100
128 33.6 34.0 51.0#
54 56.9 42.2 63.2



#31
Naphthalene
Concen: 118.46 ng
RT: 8.15 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

Tgt Ion:128 Resp: 4695535
Ion Ratio Lower Upper
128 100
129 12.4 9.0 13.6
127 14.6 10.8 16.2

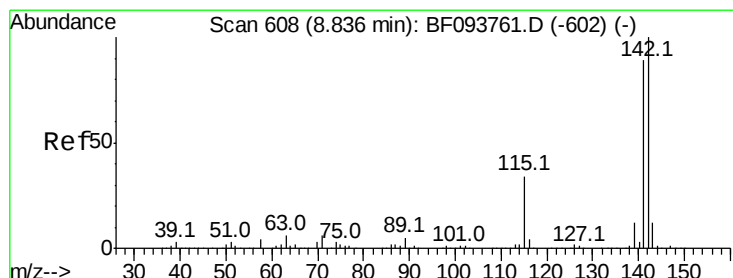
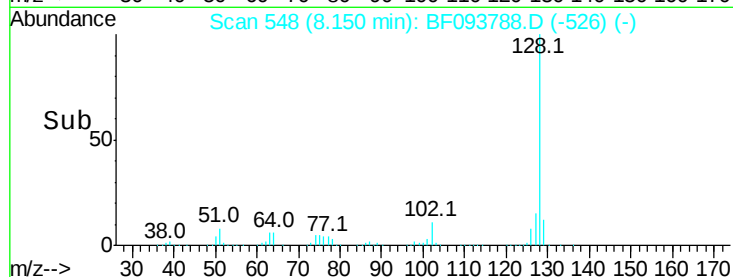
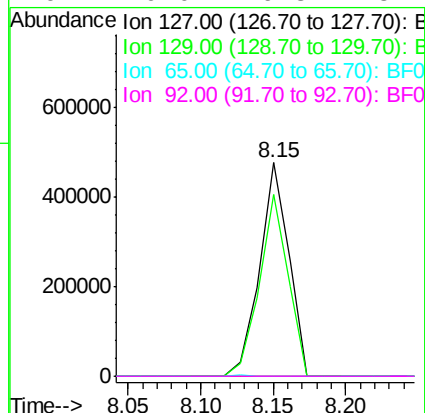
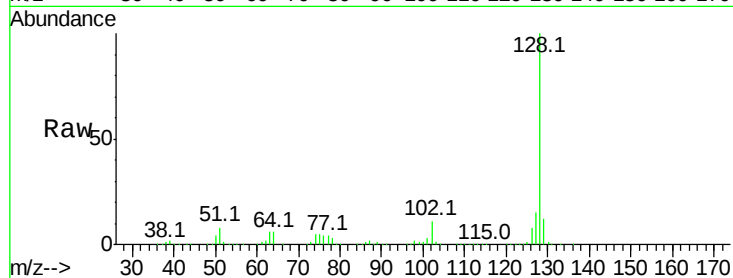




#33
 4-Chloroaniline
 Concen: 38.85 ng
 RT: 8.15 min Scan# 548
 Delta R.T. -0.05 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

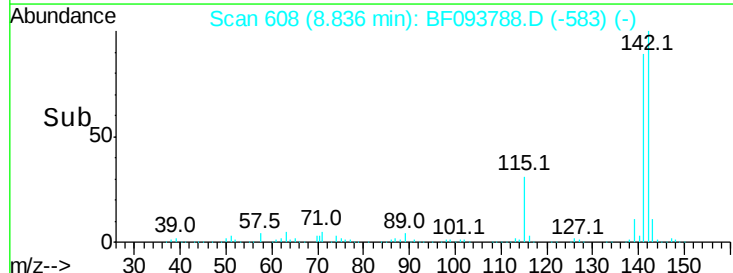
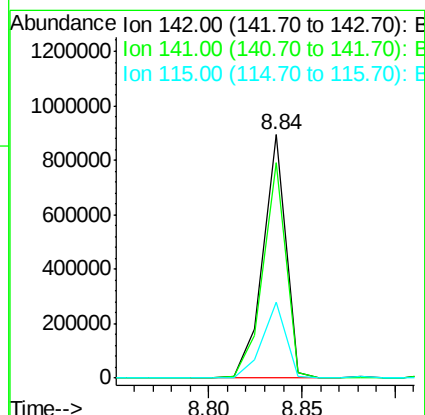
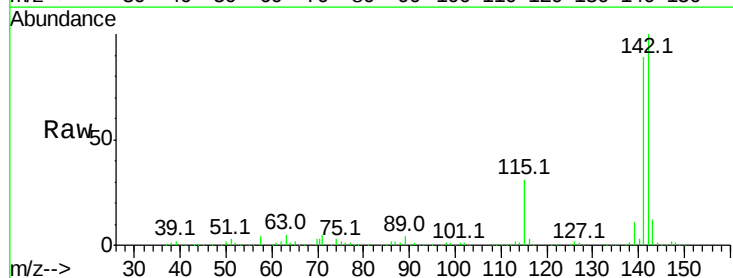
Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-2

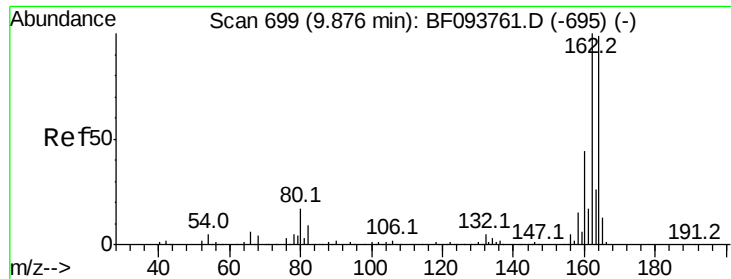
Tot Ion:	127	Resp:	661734
Ion	Ratio	Lower	Upper
127	100		
129	85.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 29.29 ng
 RT: 8.84 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

Tgt Ion:	142	Resp:	757858
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	31.4	27.1	40.7

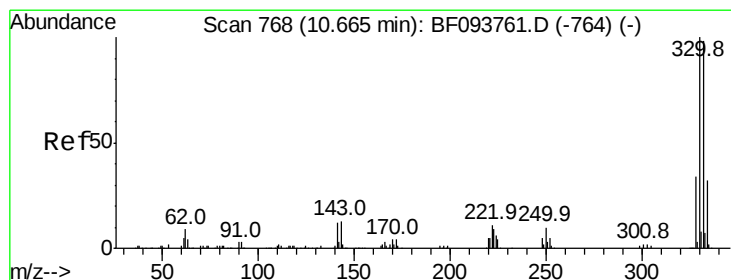
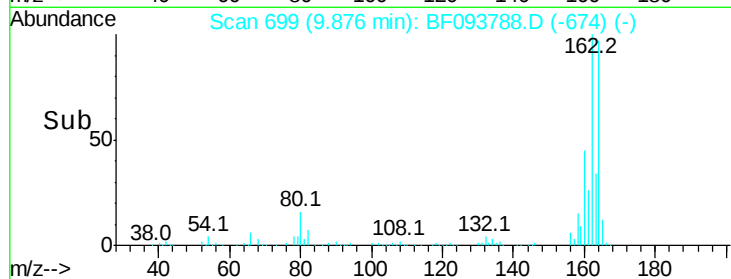
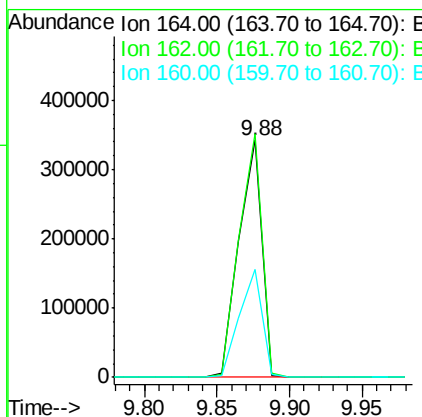
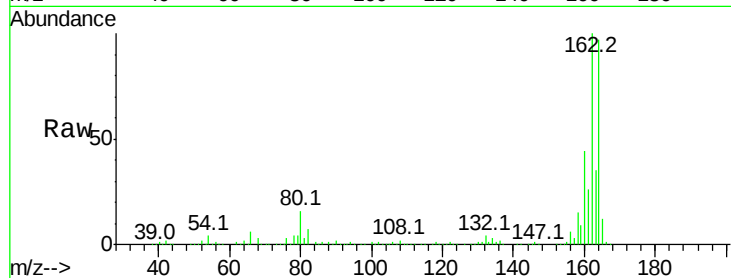




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

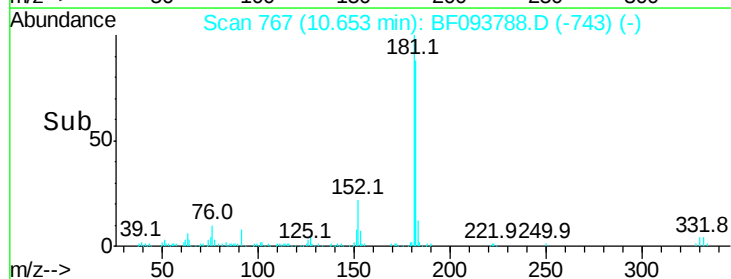
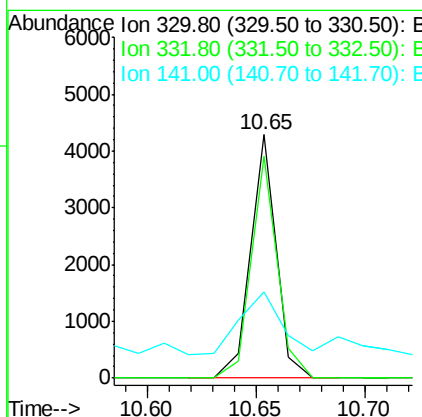
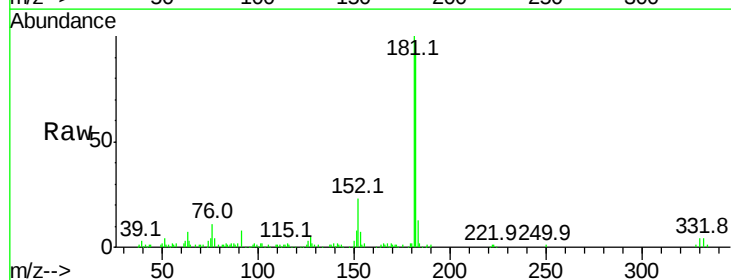
Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-2

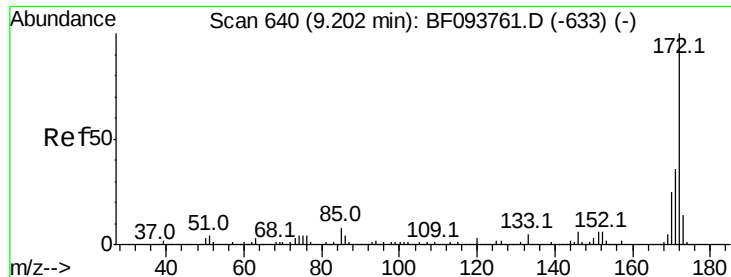
Tot Ion:164 Resp: 376475
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.6 123.8
 160 45.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 1.20 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

Tgt Ion:330 Resp: 3488
 Ion Ratio Lower Upper
 330 100
 332 93.3 76.6 115.0
 141 41.8 31.4 47.2

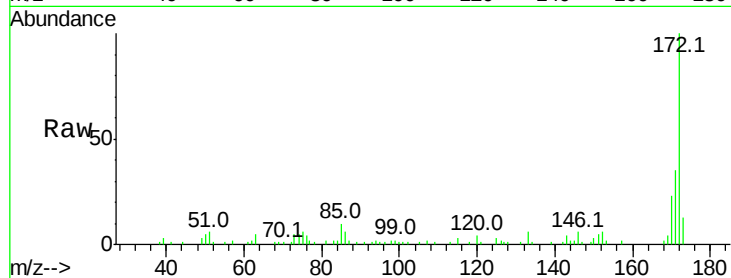




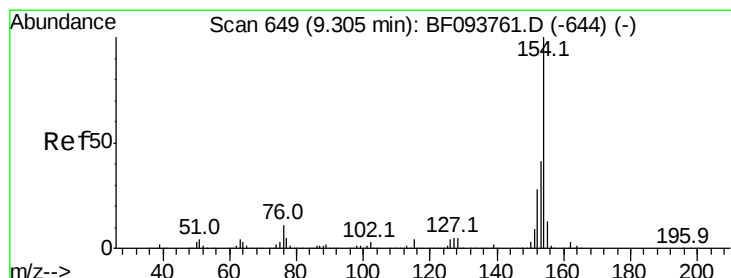
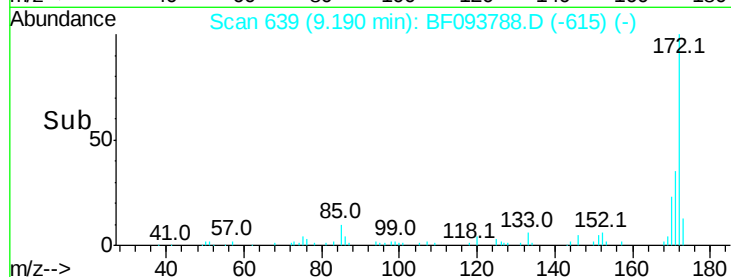
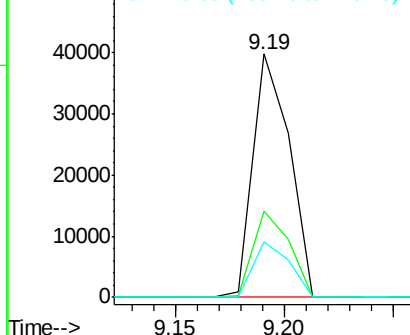
#44
2-Fluorobiphenyl
Concen: 2.07 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

Instrument :
BNA_F
ClientSampleId :
CTMIX-2

Tot Ion:172 Resp: 46347
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 23.0 19.8 29.8

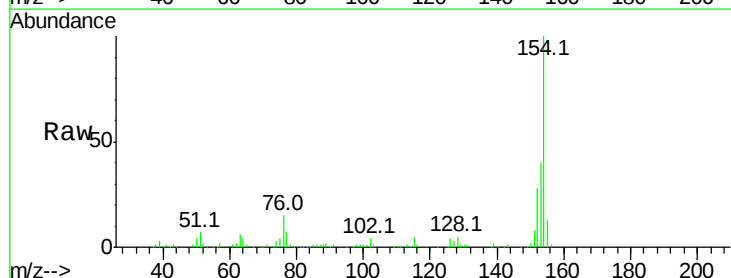


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

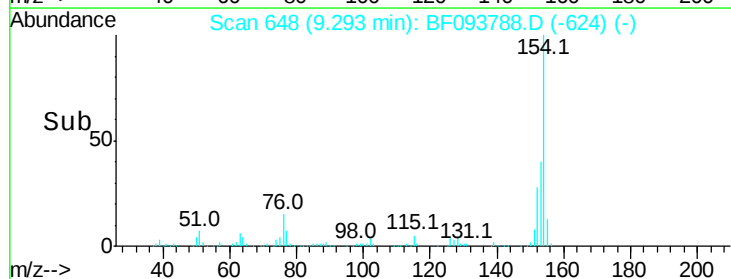
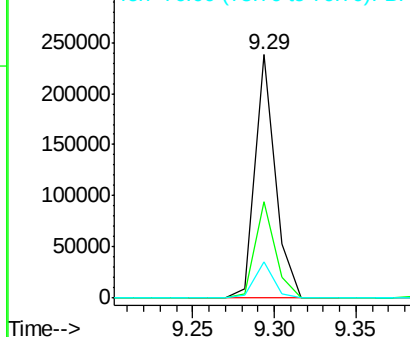


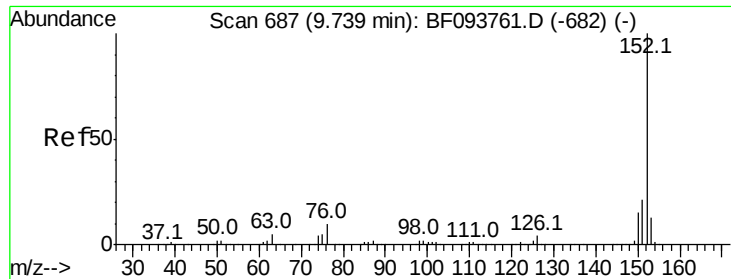
#45
1,1'-Biphenyl
Concen: 6.75 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

Tgt Ion:154 Resp: 206592
Ion Ratio Lower Upper
154 100
153 39.6 21.2 61.2
76 14.8 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: 17.33 ng

RT: 9.73 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

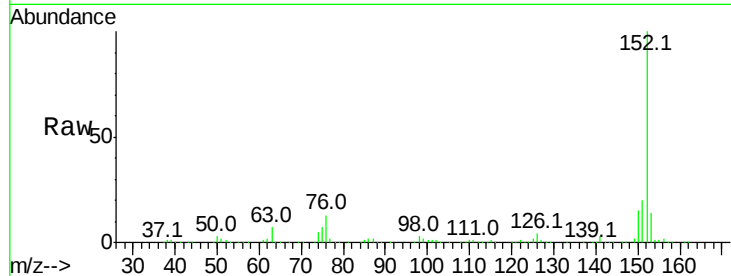
Tot Ion:152 Resp: 661690

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

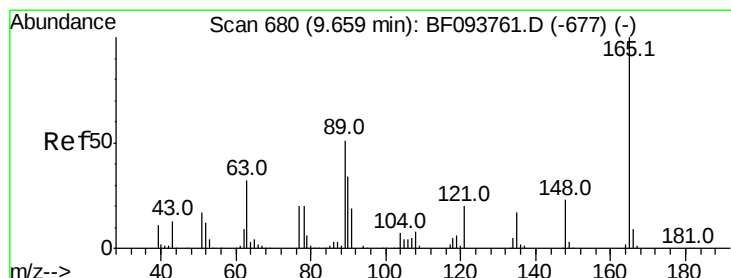
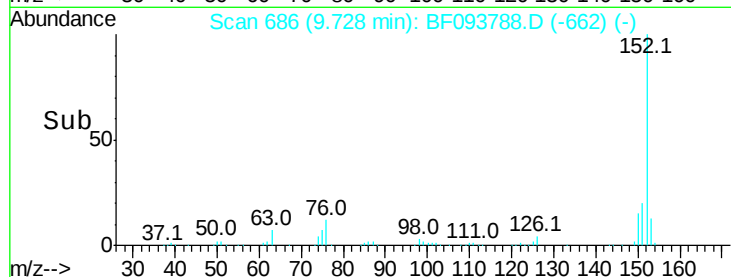
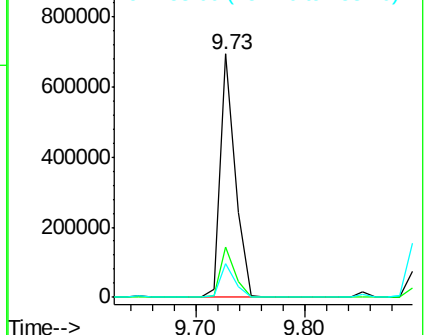
153 13.8 10.8 16.2



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



#50

2,6-Dinitrotoluene

Concen: 10.28 ng

RT: 9.88 min Scan# 699

Delta R.T. 0.21 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

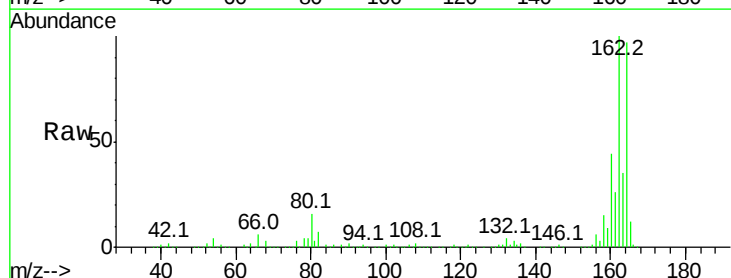
Tgt Ion:165 Resp: 60492

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

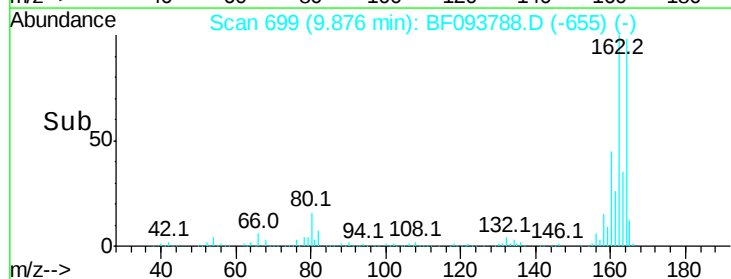
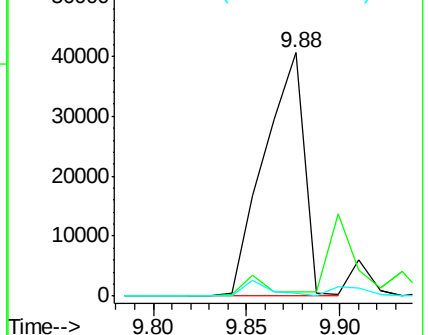
89 1.3 37.1 55.7#

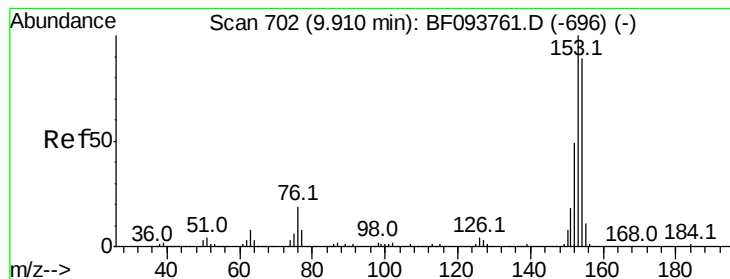


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.81 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

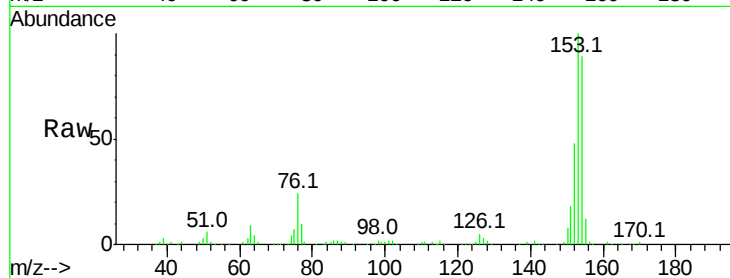
Tot Ion:154 Resp: 155286

Ion Ratio Lower Upper

154 100

153 111.8 90.5 135.7

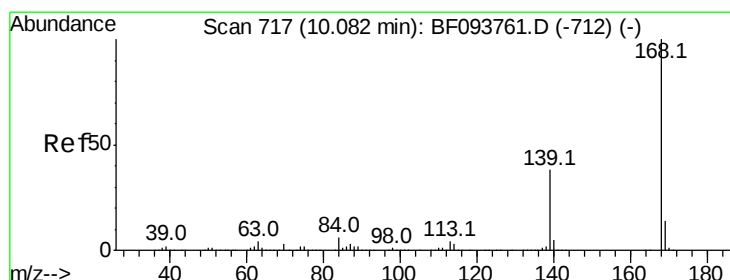
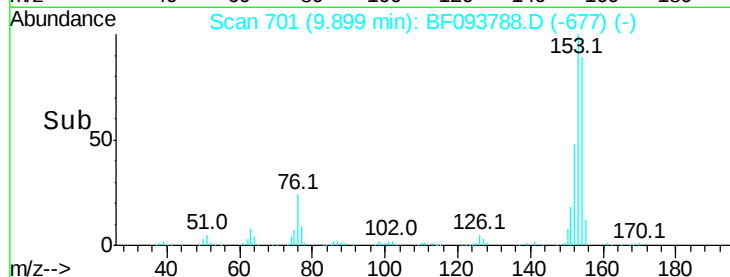
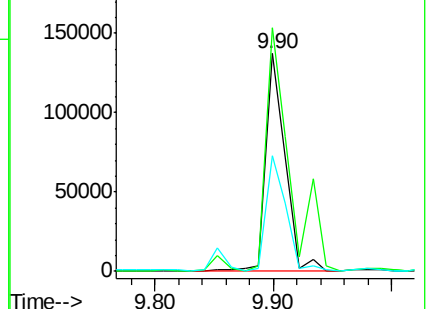
152 53.2 43.6 65.4



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: 20.99 ng

RT: 10.07 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

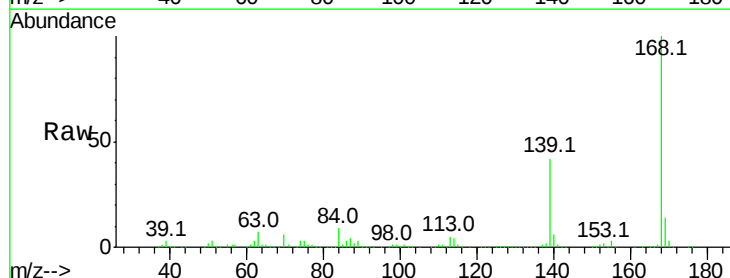
Tgt Ion:168 Resp: 644129

Ion Ratio Lower Upper

168 100

139 41.5 30.6 45.8

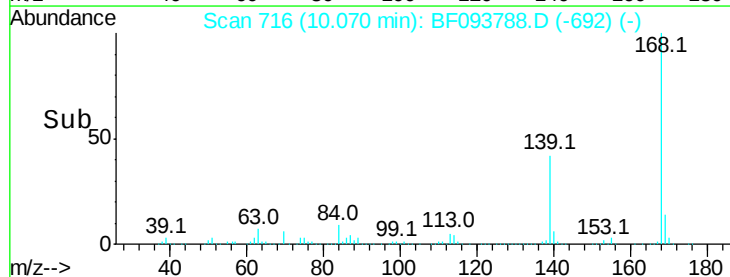
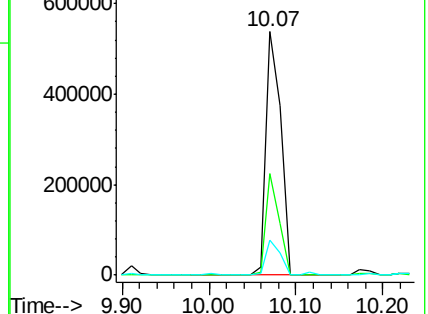
169 14.4 10.8 16.2

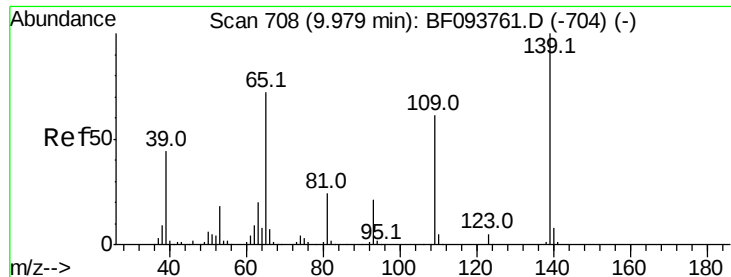


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 45.09 ng

RT: 10.07 min Scan# 716

Delta R.T. 0.08 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

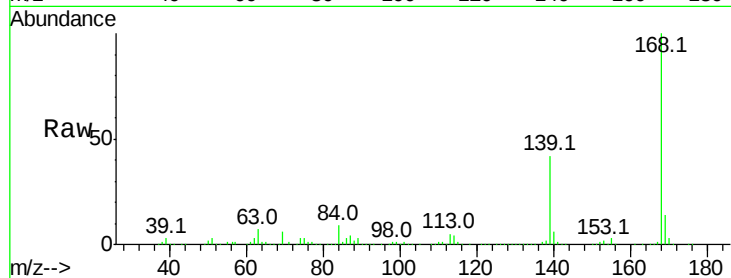
Tot Ion:139 Resp: 239121

Ion Ratio Lower Upper

139 100

109 0.9 34.1 74.1#

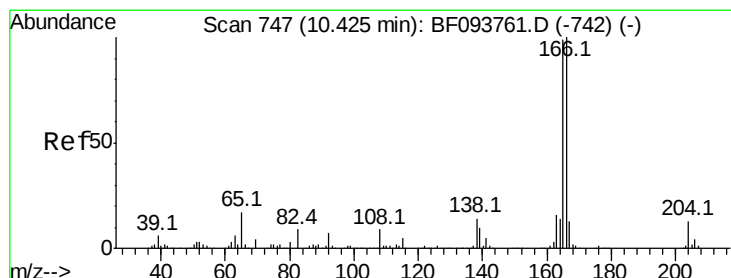
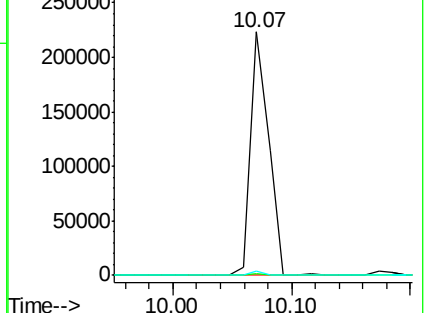
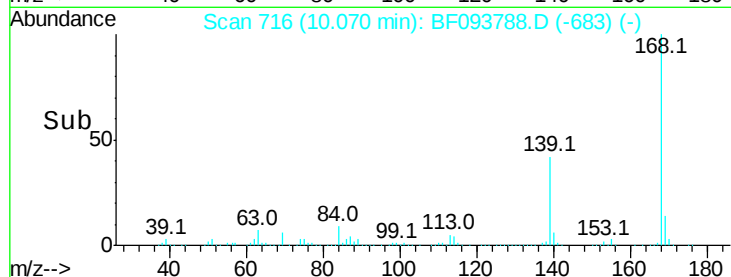
65 1.8 31.4 71.4#



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: 28.90 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

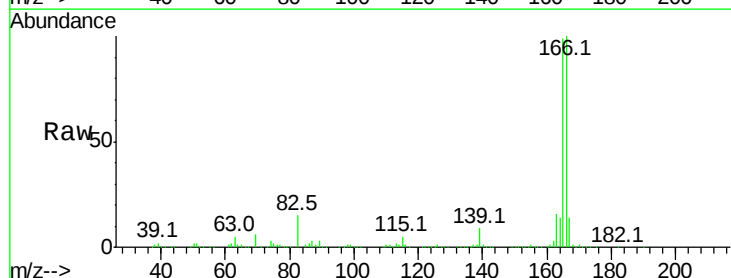
Tgt Ion:166 Resp: 679176

Ion Ratio Lower Upper

166 100

165 99.0 78.8 118.2

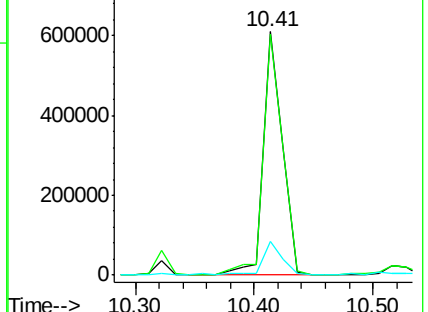
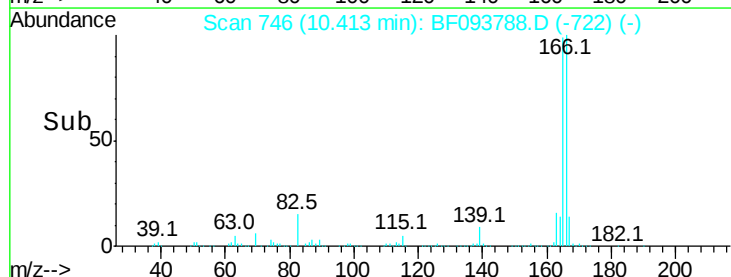
167 14.1 10.6 16.0

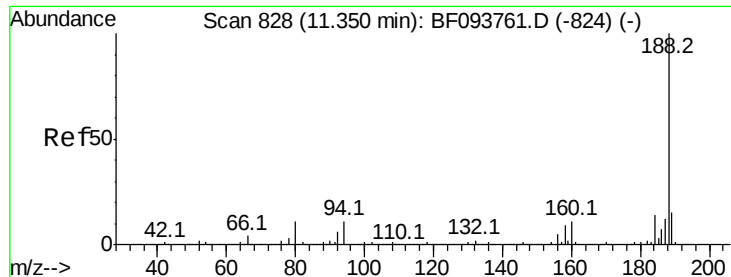


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

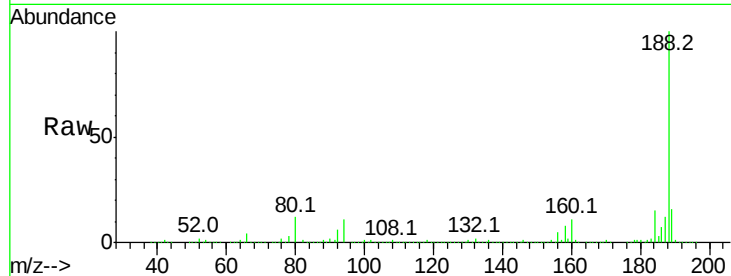




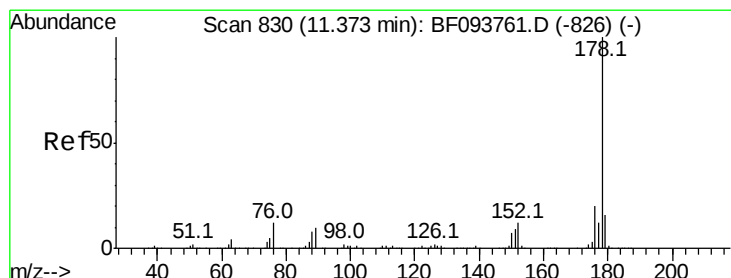
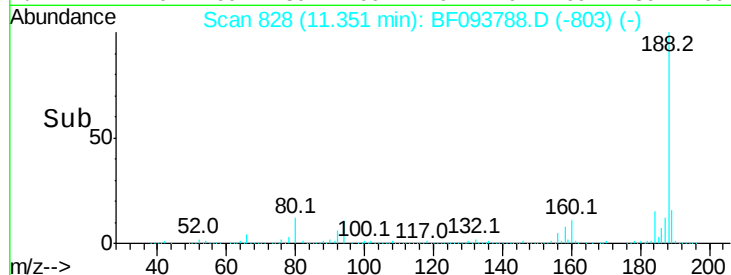
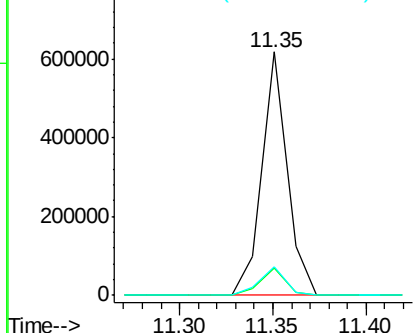
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

Instrument :
BNA_F
ClientSampleId :
CTMIX-2

Tot Ion:188 Resp: 579887
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.7 10.2 15.2

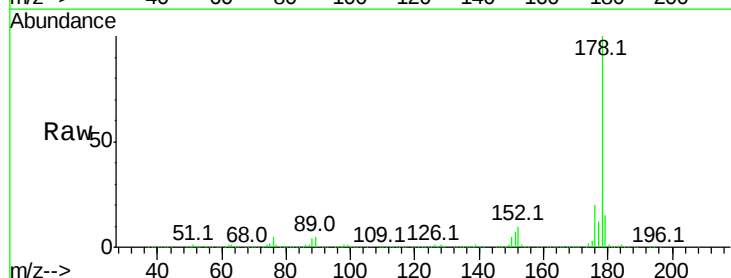


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

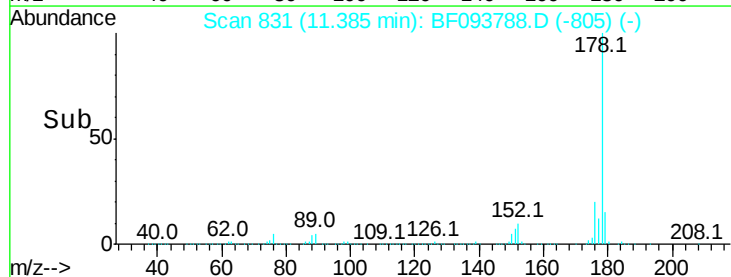
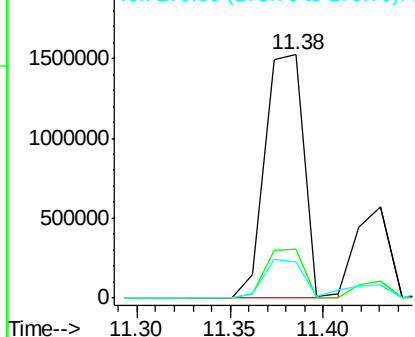


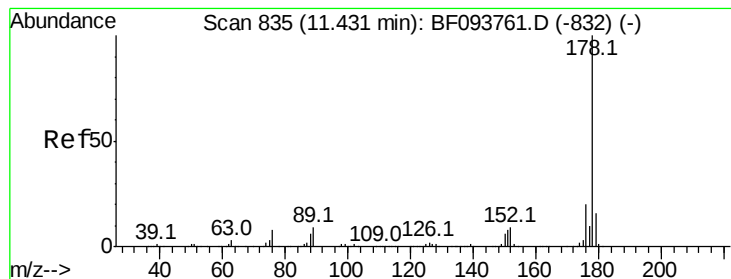
#70
Phenanthrene
Concen: 71.04 ng
RT: 11.38 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

Tgt Ion:178 Resp: 2194085
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.1 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: 22.28 ng

RT: 11.43 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

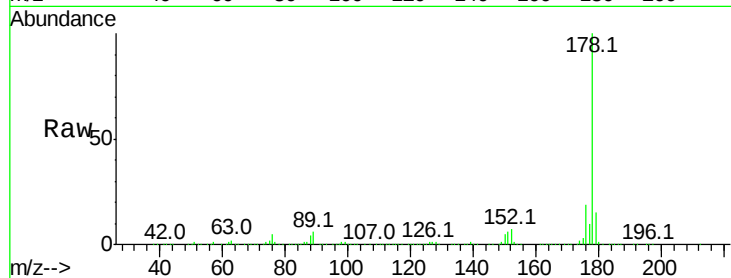
Tot Ion:178 Resp: 708373

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

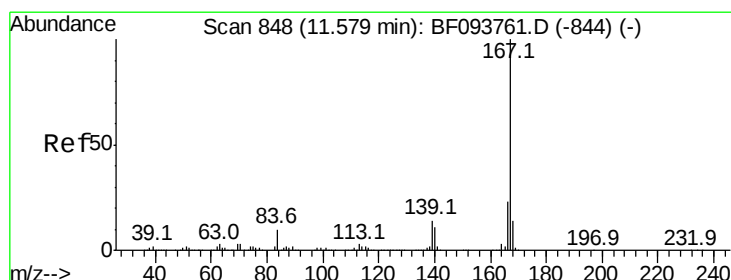
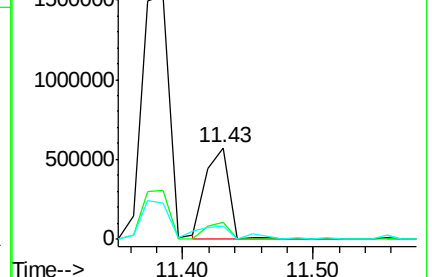
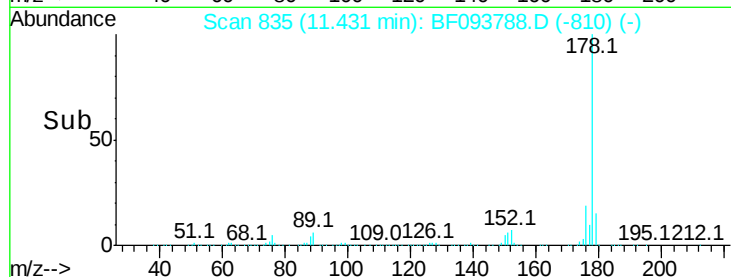
179 15.0 12.7 19.1



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: 9.26 ng

RT: 11.58 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

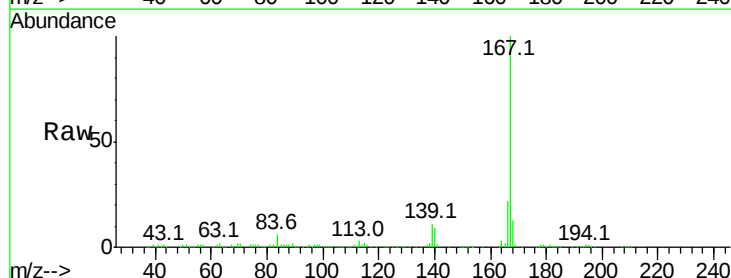
Tgt Ion:167 Resp: 291392

Ion Ratio Lower Upper

167 100

166 22.1 18.1 27.1

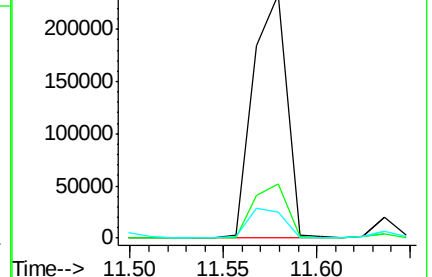
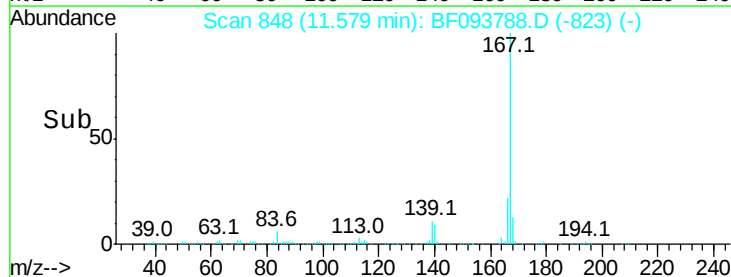
139 10.7 11.7 17.5#

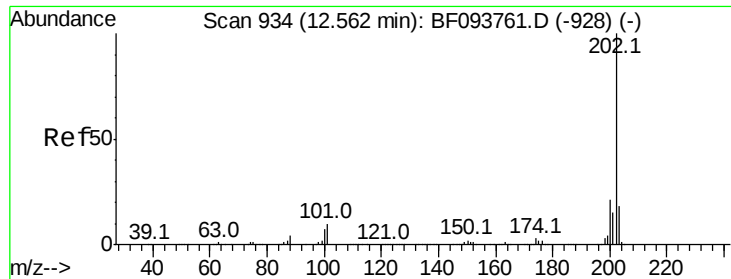


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

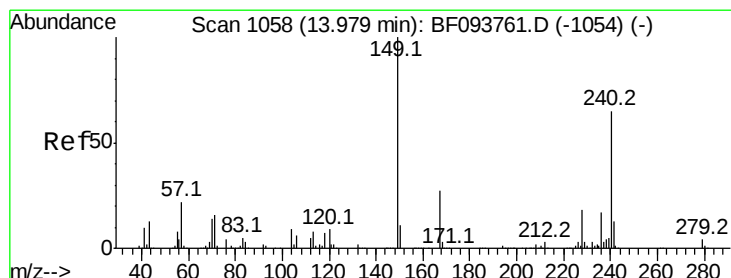
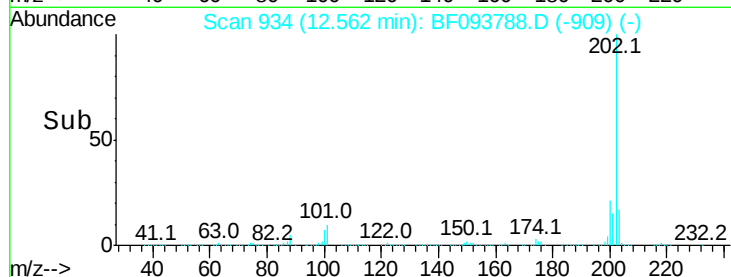
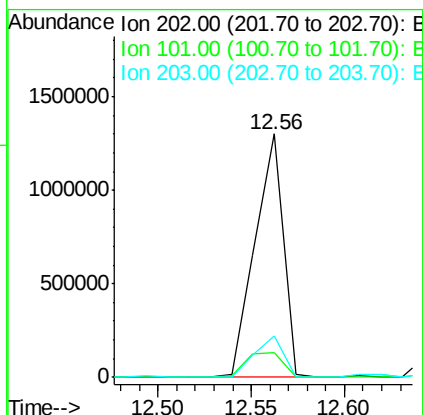
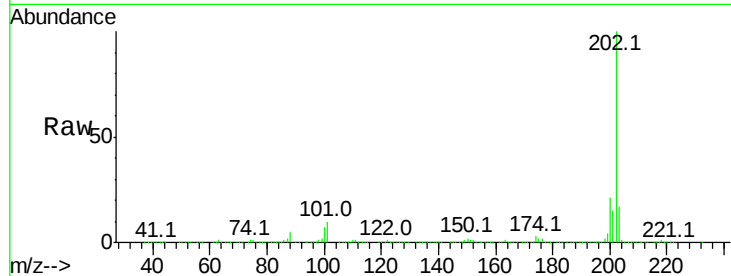




#74
 Fluoranthene
 Concen: 42.87 ng
 RT: 12.56 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

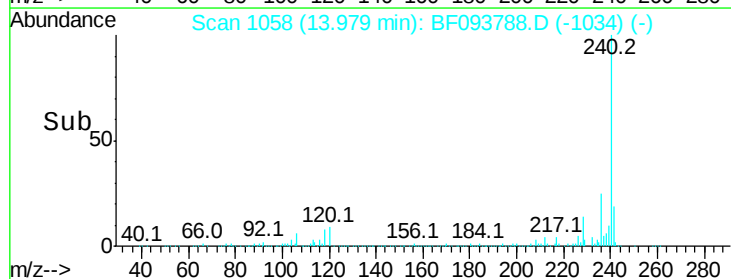
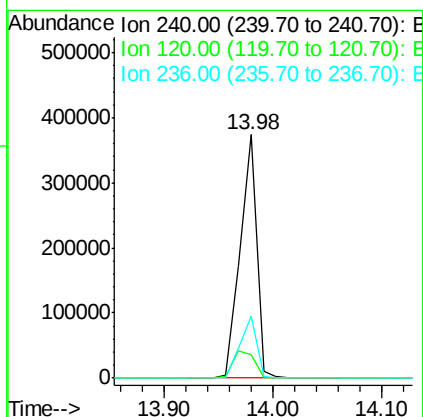
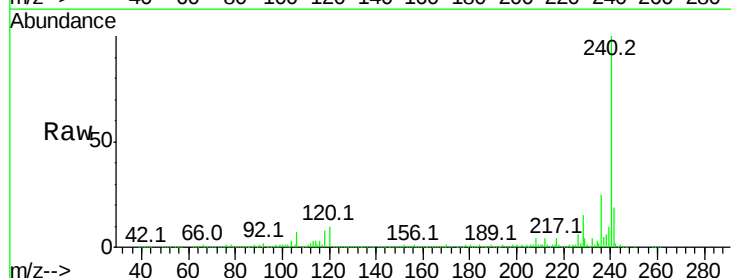
Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-2

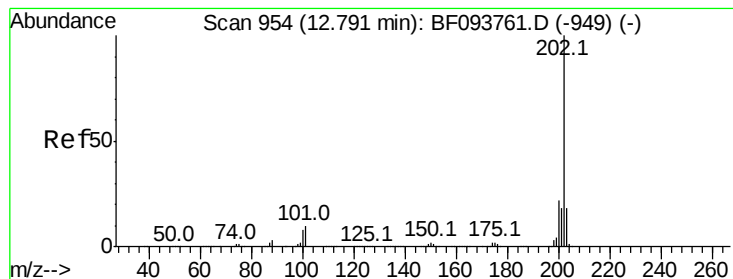
Tot Ion:202 Resp: 1360744
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 33.2
 203 17.2 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 1058
 Delta R.T. -0.02 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

Tgt Ion:240 Resp: 389085
 Ion Ratio Lower Upper
 240 100
 120 9.6 5.8 8.8#
 236 25.1 20.5 30.7





#77

Pvrene

Concen: 32.98 ng

RT: 12.78 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

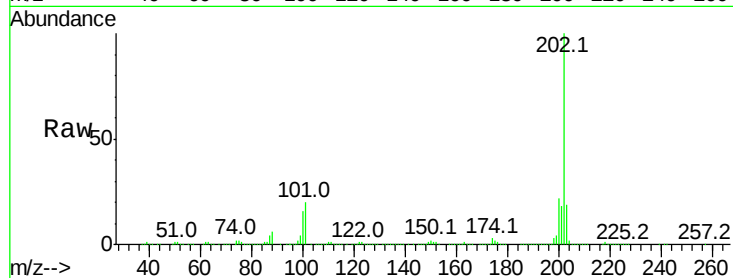
Tot Ion:202 Resp: 1067873

Ion Ratio Lower Upper

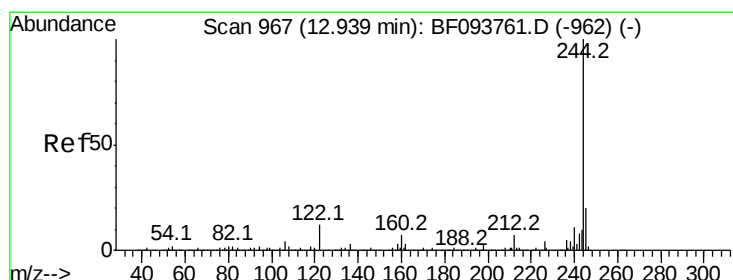
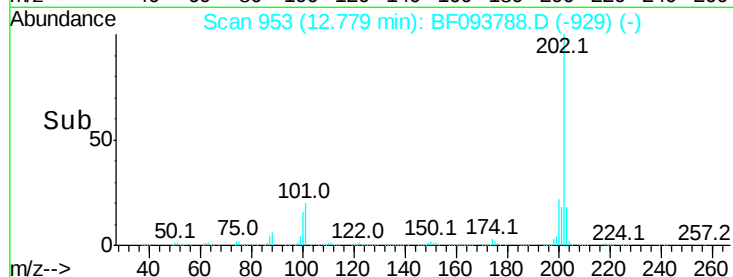
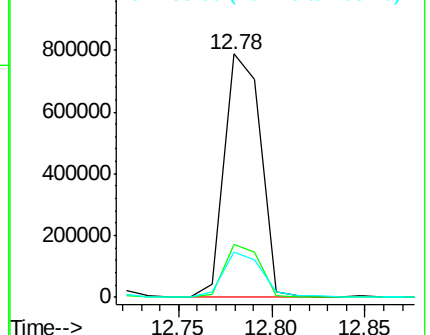
202 100

200 22.0 17.6 26.4

203 18.8 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 1.58 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

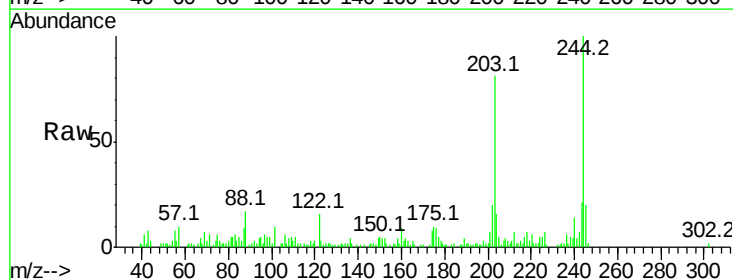
Tgt Ion:244 Resp: 30197

Ion Ratio Lower Upper

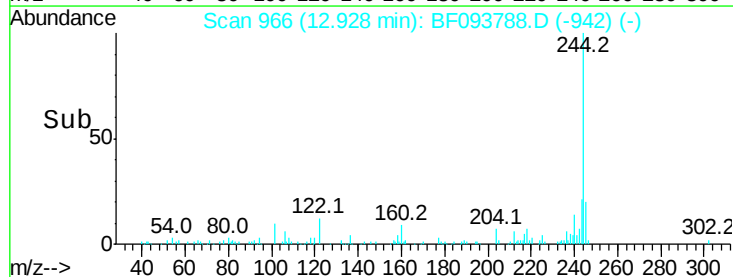
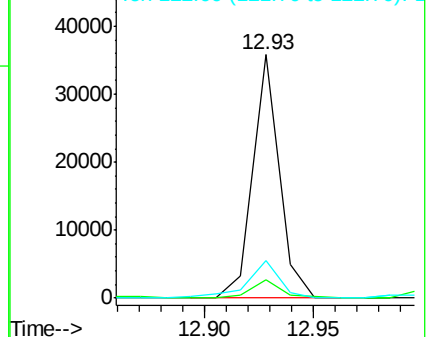
244 100

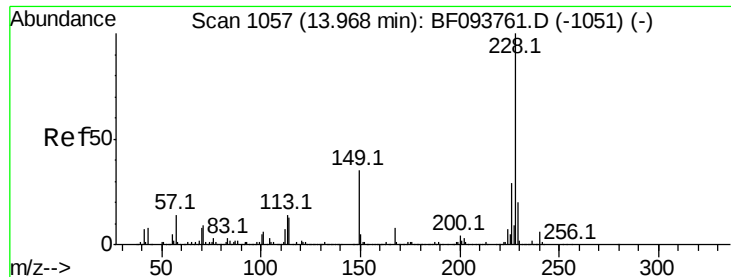
212 7.3 6.0 9.0

122 15.6 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

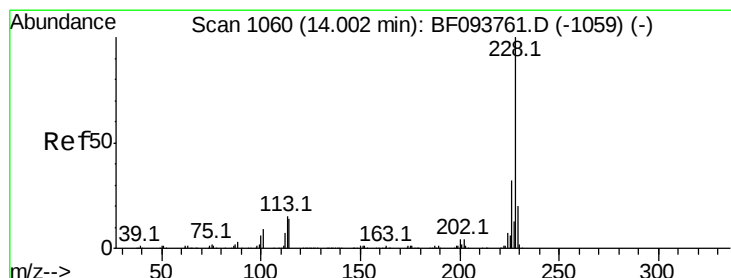
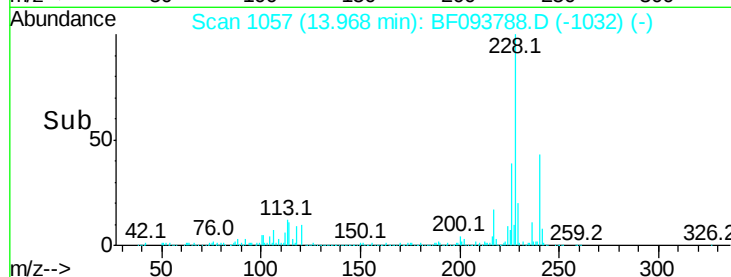
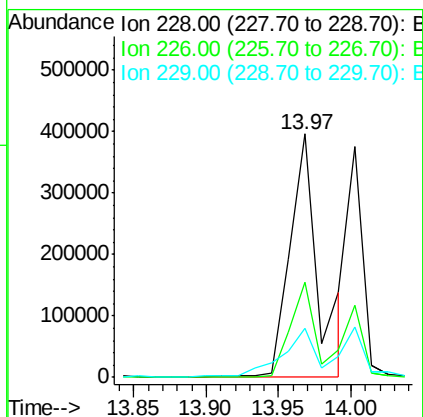
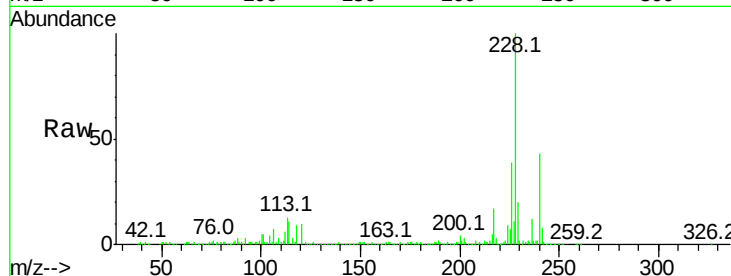




#80
Benzo(a)anthracene
Concen: 22.36 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

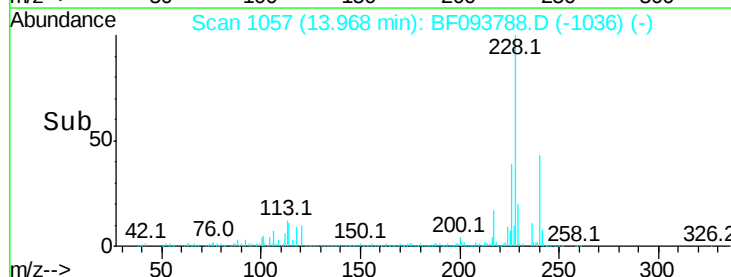
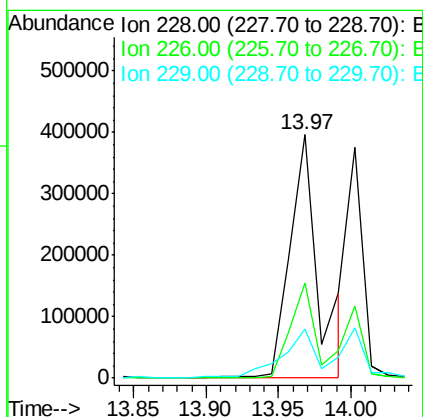
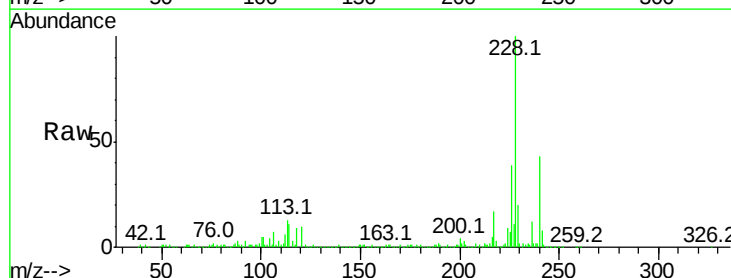
Instrument :
BNA_F
ClientSampleId :
CTMIX-2

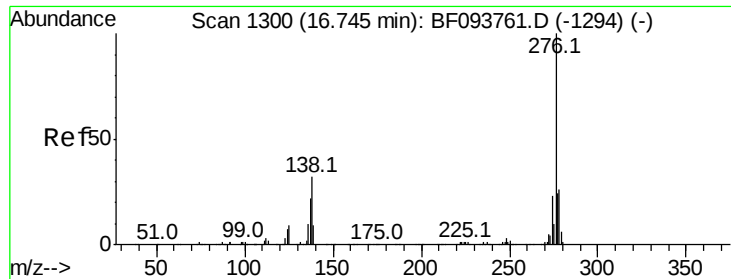
Tot Ion	Ratio	Lower	Upper
228	100		
226	39.1	22.6	33.8#
229	20.4	16.3	24.5



#82
Chrysene
Concen: 22.38 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.06 min
Lab File: BF093788.D
Acq: 21 Mar 2017 2:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.1	24.9	37.3#
229	20.4	15.8	23.6

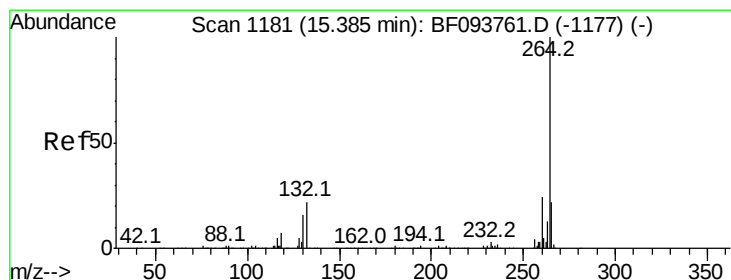
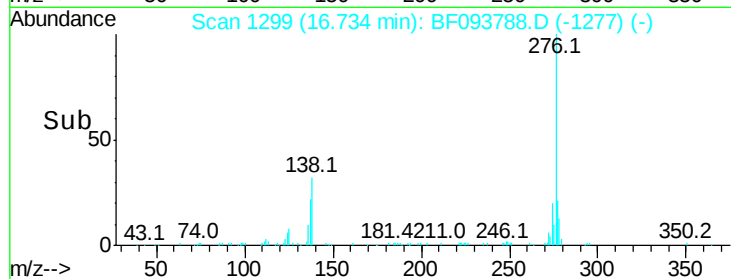
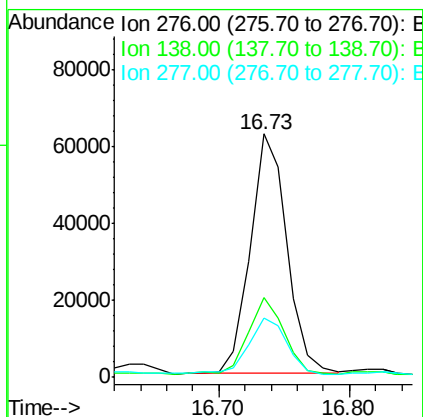
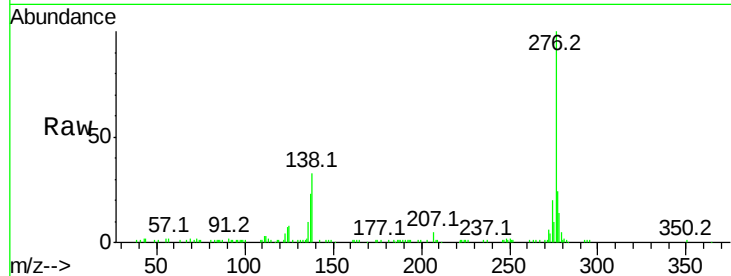




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.09 ng
 RT: 16.73 min Scan# 1299
 Delta R.T. -0.05 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

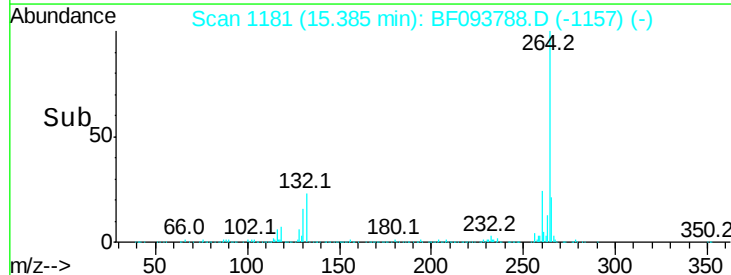
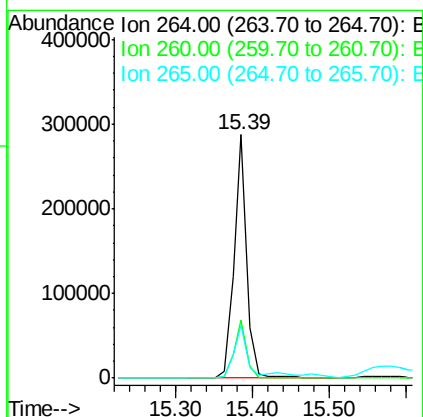
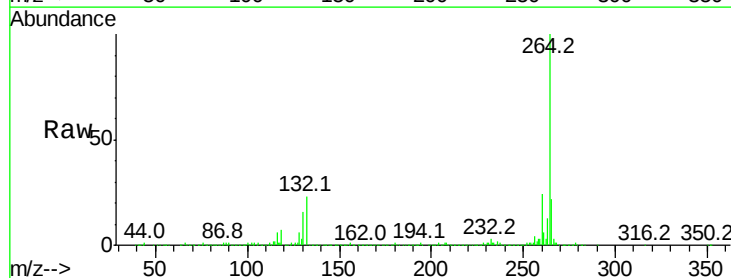
Instrument :
 BNA_F
 ClientSampleId :
 CTMIX-2

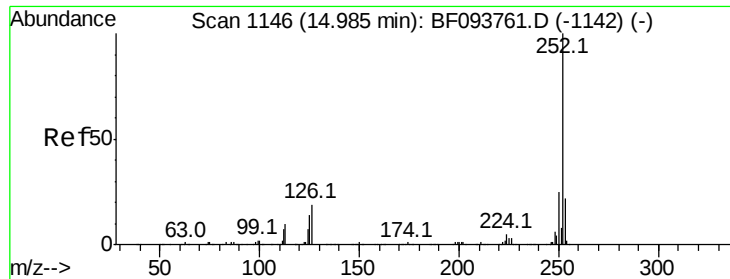
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.5	27.8	41.6
277	25.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF093788.D
 Acq: 21 Mar 2017 2:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 23.29 ng

RT: 14.99 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampleId :

CTMIX-2

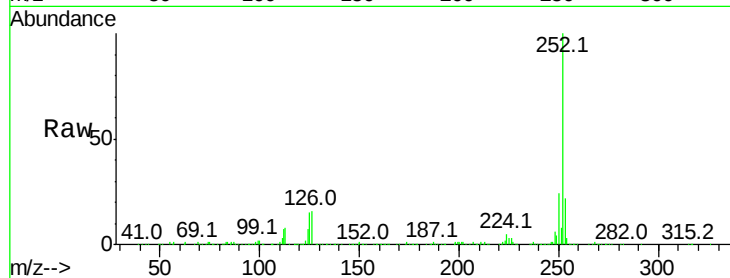
Tot Ion:252 Resp: 531712

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

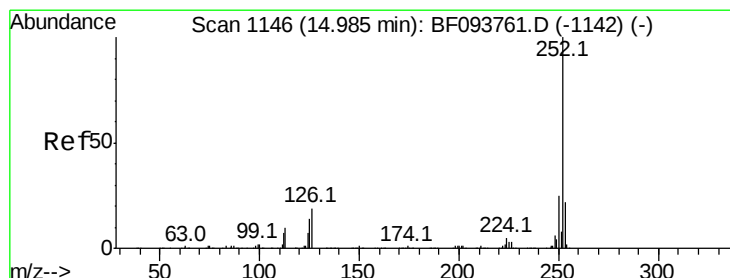
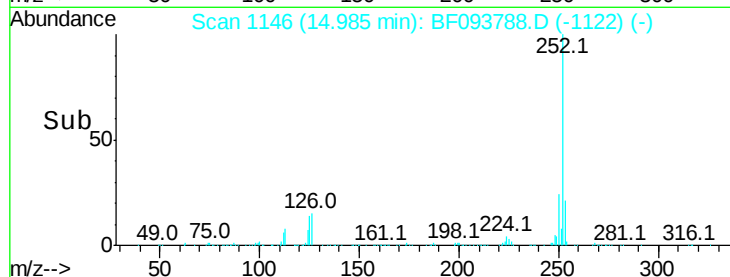
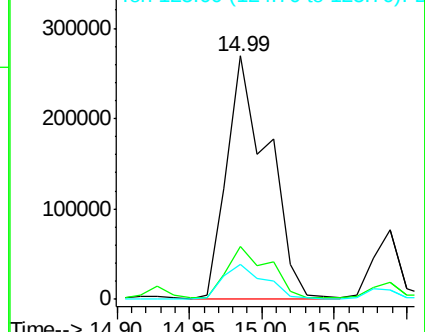
125 14.6 9.8 14.8



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: 31.53 ng

RT: 14.99 min Scan# 1146

Delta R.T. -0.04 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

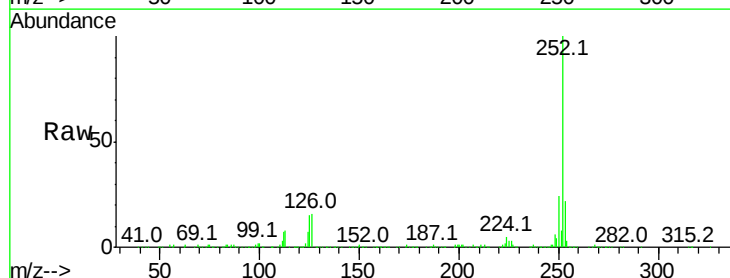
Tgt Ion:252 Resp: 531712

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

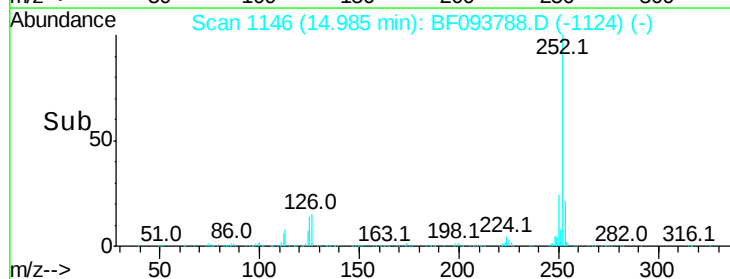
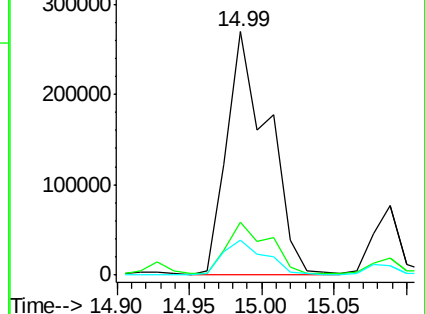
125 14.6 13.1 19.7

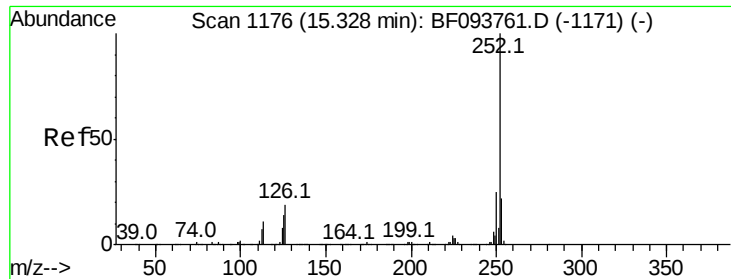


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.26 ng

RT: 15.09 min Scan# 1155

Delta R.T. -0.26 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

Instrument :

BNA_F

ClientSampled :

CTMIX-2

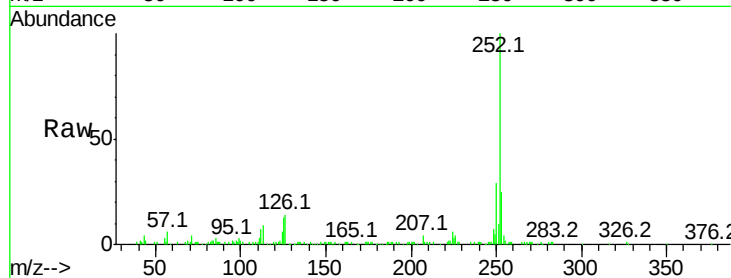
Tot Ion:252 Resp: 97310

Ion Ratio Lower Upper

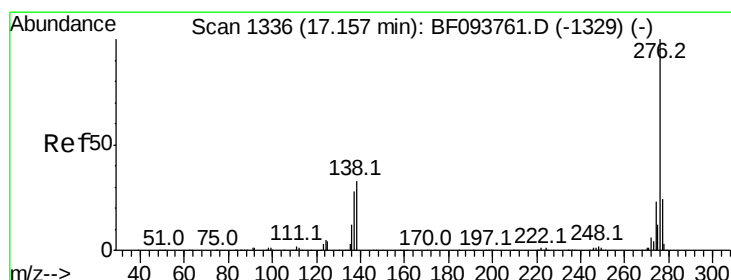
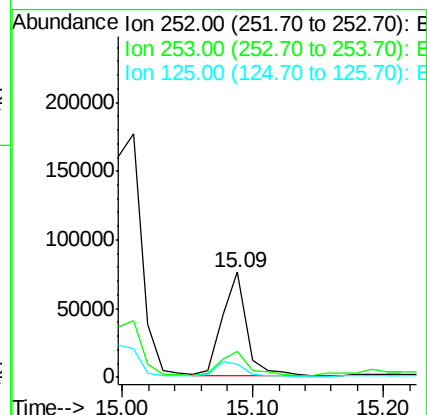
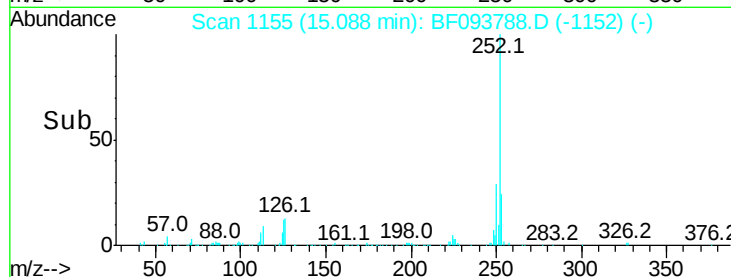
252 100

253 25.0 17.5 26.3

125 12.8 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 7.08 ng

RT: 17.15 min Scan# 1335

Delta R.T. -0.05 min

Lab File: BF093788.D

Acq: 21 Mar 2017 2:17

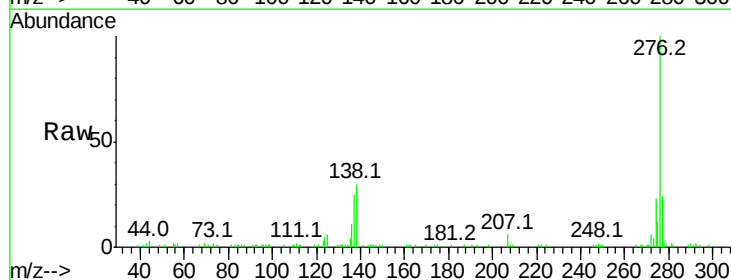
Tgt Ion:276 Resp: 108027

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 29.7 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

