

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095938.D
 Acq On : 14 Jun 2017 23:33
 Operator : SJ/MA
 Sample : I3660-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 01:09:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

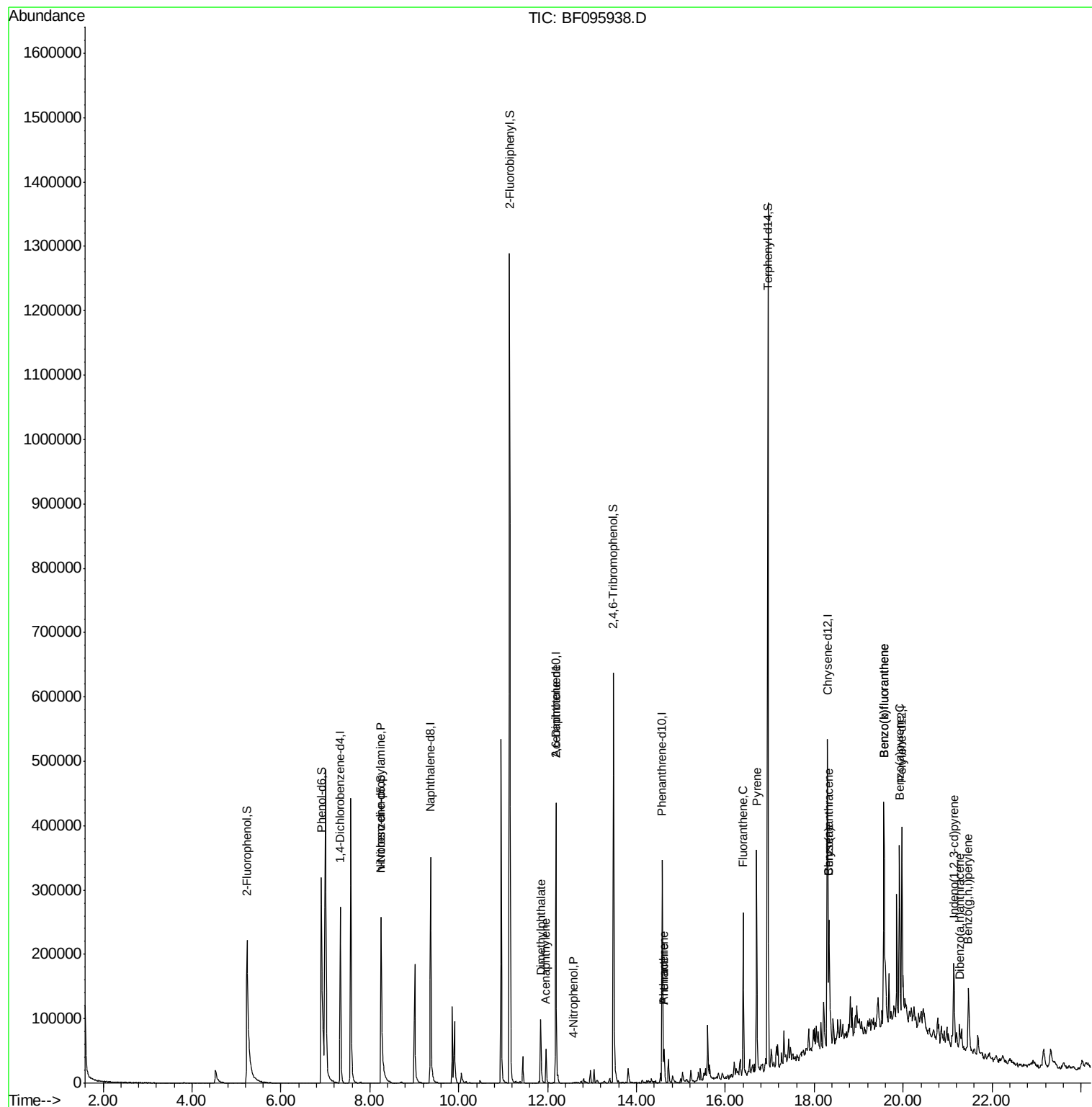
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	69178	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	281204	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	120098	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	188177	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	140840	20.00	ng	-0.06
86) Perylene-d12	19.97	264	117369	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	221509	51.02	ng	-0.05
7) Phenol-d6	6.90	99	335925	64.63	ng	-0.05
23) Nitrobenzene-d5	8.25	82	187127	41.33	ng	-0.07
41) 2,4,6-Tribromophenol	13.48	330	113549	106.86	ng	-0.07
44) 2-Fluorobiphenyl	11.15	172	551012	63.85	ng	-0.07
78) Terphenyl-d14	16.96	244	499302	87.98	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.25	70	21186	6.43	ng	# 73
48) Acenaphthylene	11.96	152	40339	3.05	ng	97
49) Dimethylphthalate	11.85	163	71416	7.83	ng	97
50) 2,6-Dinitrotoluene	12.19	165	15316	7.70	ng	# 34
55) 4-Nitrophenol	12.57	139	113	4.71	ng	# 25
70) Phenanthrene	14.62	178	39078	3.60	ng	99
71) Anthracene	14.62	178	39078	3.45	ng	99
74) Fluoranthene	16.40	202	139399	12.97	ng	97
77) Pyrene	16.70	202	152842	14.54	ng	97
80) Benzo(a)anthracene	18.33	228	103388	12.63	ng	98
82) Chrysene	18.33	228	103388	12.63	ng	98
85) Indeno(1,2,3-cd)pyrene	21.14	276	74364	10.62	ng	# 92
87) Benzo(b)fluoranthene	19.57	252	170502	23.20	ng	98
88) Benzo(k)fluoranthene	19.57	252	170502	24.27	ng	96
89) Benzo(a)pyrene	19.92	252	115842	17.15	ng	97
90) Dibenzo(a,h)anthracene	21.27	278	16107	2.81	ng	92
91) Benzo(g,h,i)perylene	21.47	276	70411	12.05	ng	98

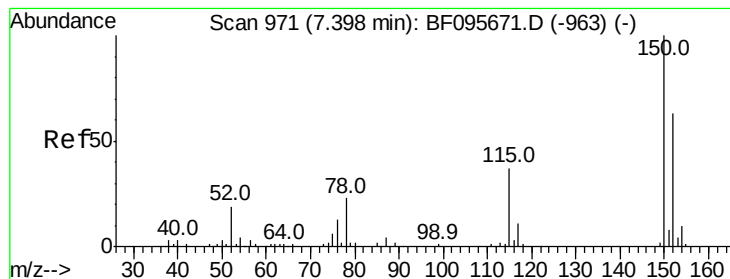
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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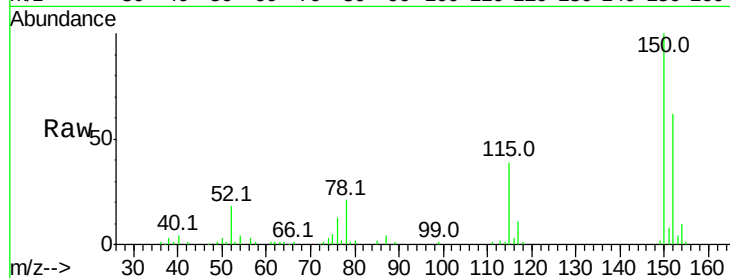


#1

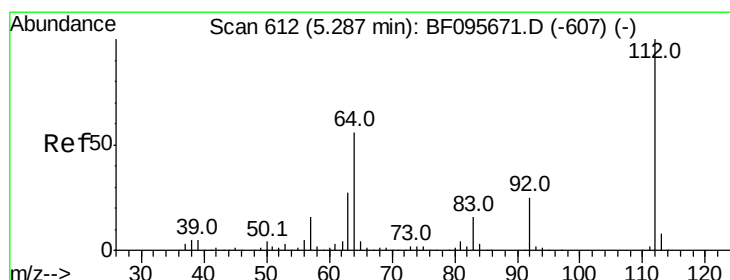
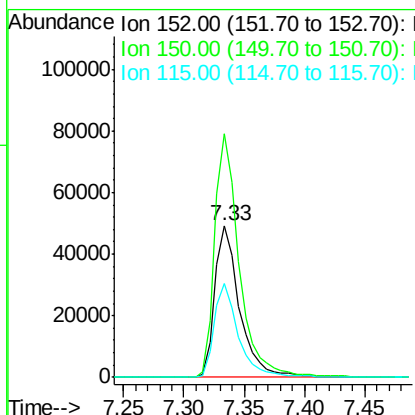
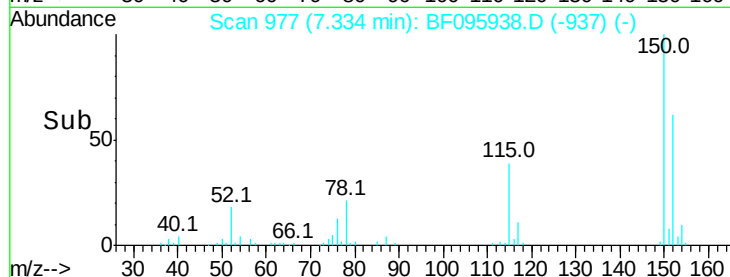
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 69178
Ion Ratio Lower Upper
152 100
150 160.6 126.2 189.2
115 62.0 52.2 78.2



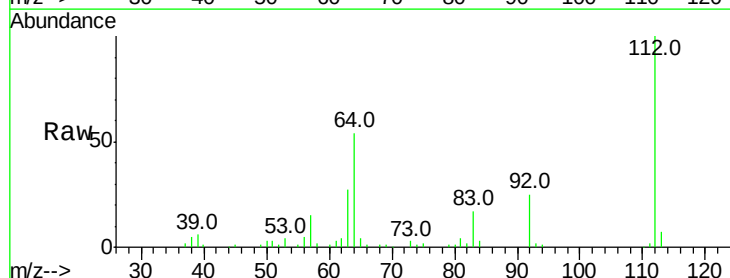
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



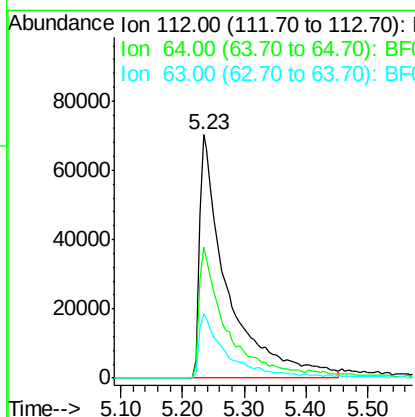
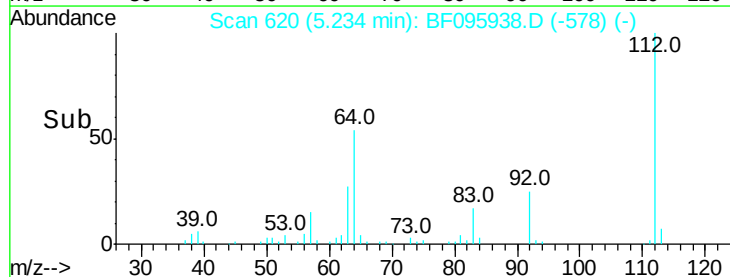
#5

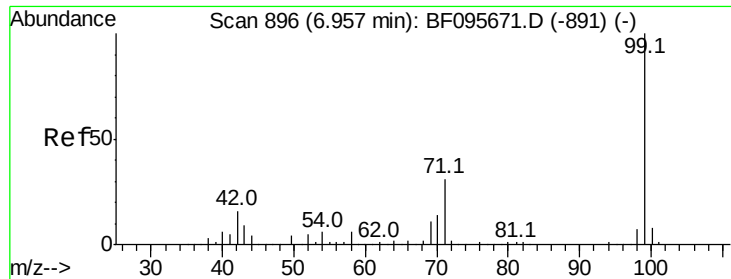
2-Fluorophenol
Concen: 51.02 ng
RT: 5.23 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:112 Resp: 221509
Ion Ratio Lower Upper
112 100
64 53.5 46.0 69.0
63 26.6 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: 64.63 ng

RT: 6.90 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

ClientSampled :

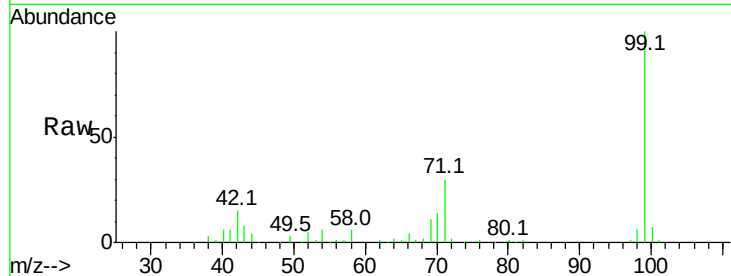
Tot Ion: 99 Resp: 335925

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

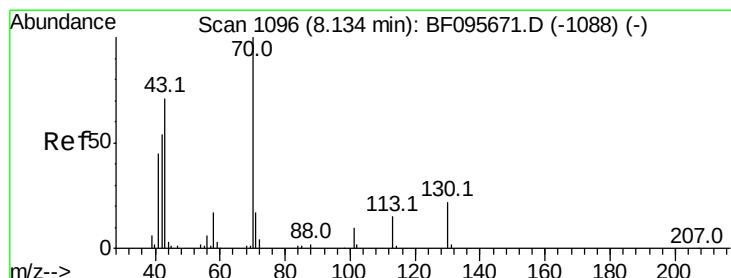
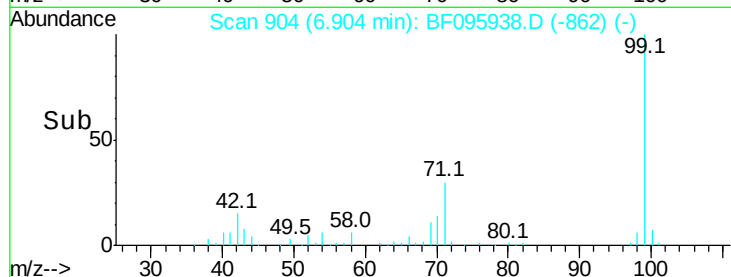
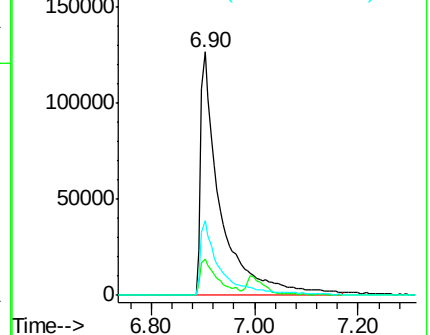
71 30.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.43 ng

RT: 8.25 min Scan# 1133

Delta R.T. 0.12 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Tgt Ion: 70 Resp: 21186

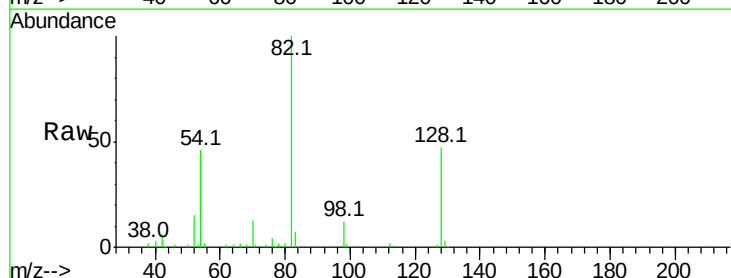
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

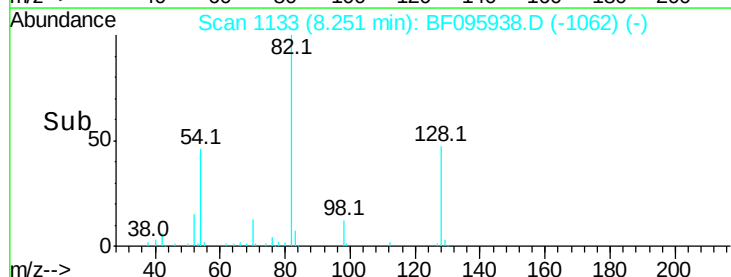
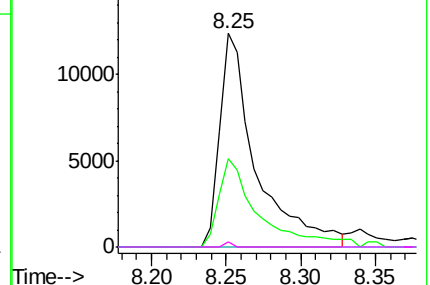


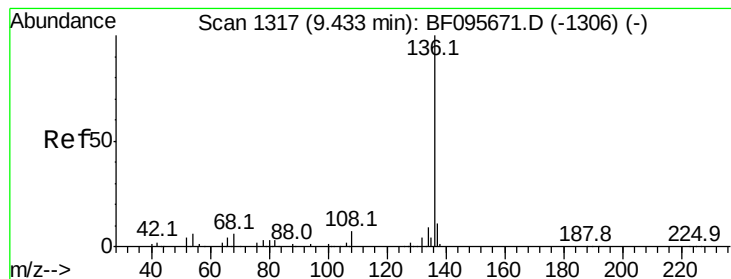
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 281204

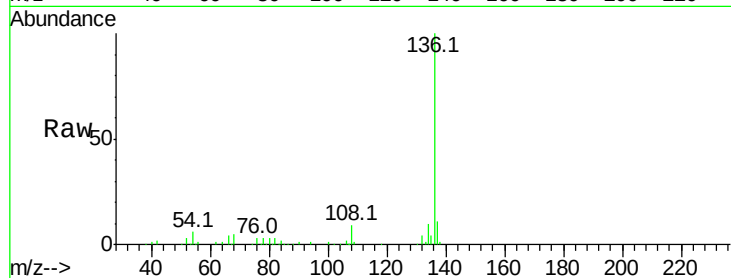
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.4 4.9 7.3

68 5.4 4.1 6.1

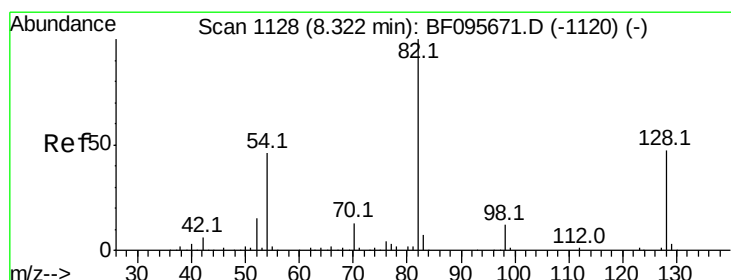
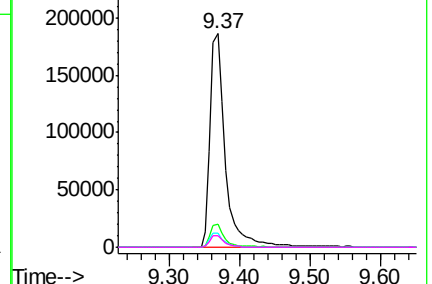
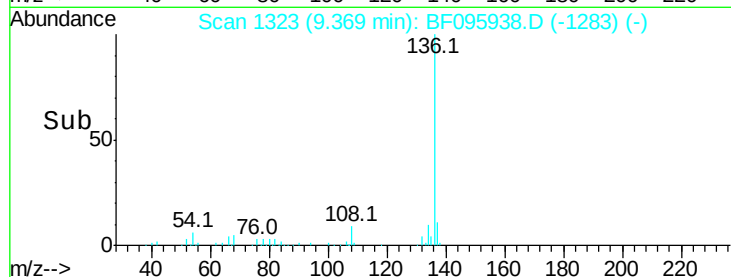


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.33 ng

RT: 8.25 min Scan# 1133

Delta R.T. -0.07 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

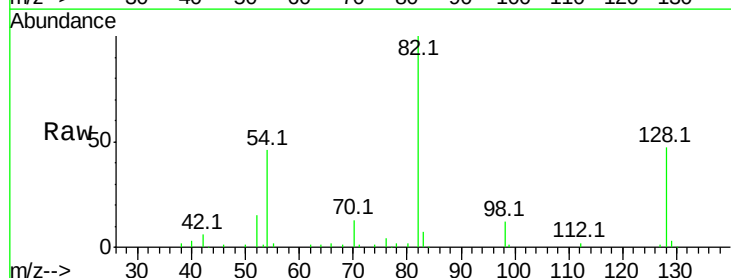
Tgt Ion: 82 Resp: 187127

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

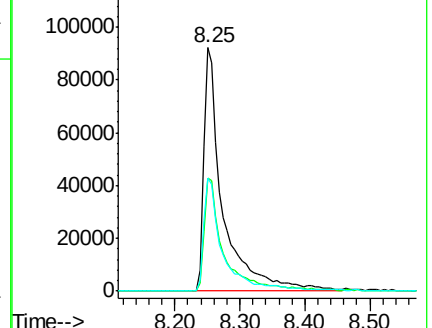
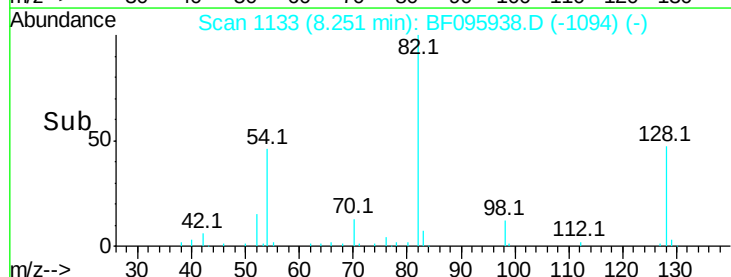
54 46.4 42.2 63.2

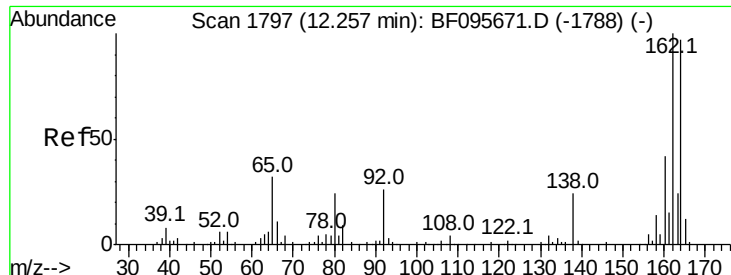


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.19 min Scan# 1802

Delta R.T. -0.07 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

ClientSampleId :

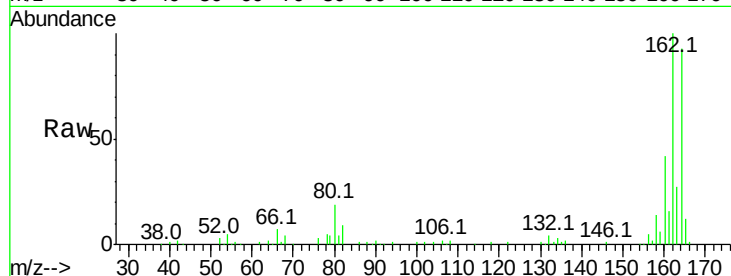
Tot Ion:164 Resp: 120098

Ion Ratio Lower Upper

164 100

162 107.3 82.6 123.8

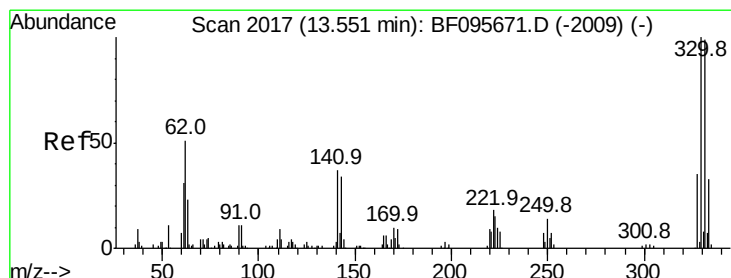
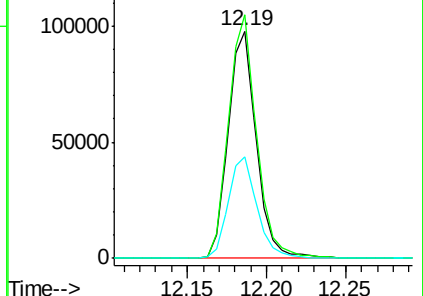
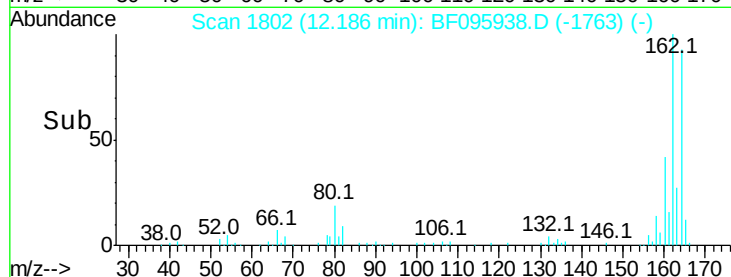
160 44.7 36.2 54.2



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: 106.86 ng

RT: 13.48 min Scan# 2022

Delta R.T. -0.07 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

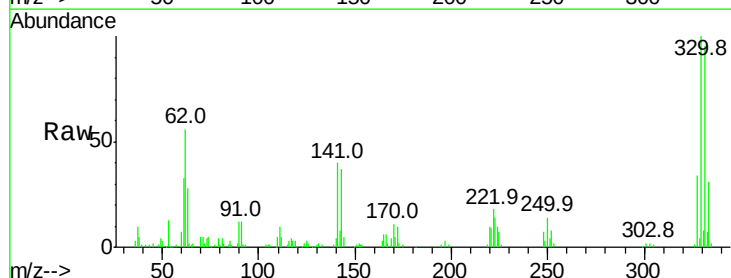
Tgt Ion:330 Resp: 113549

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

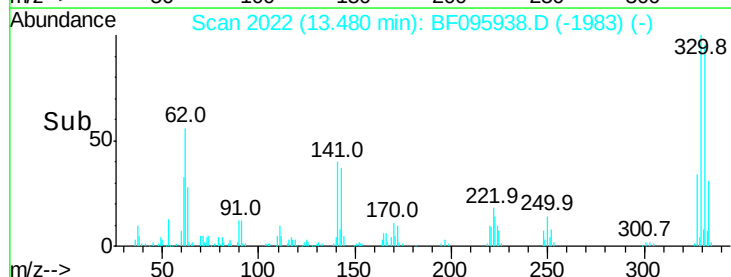
141 38.4 31.4 47.2



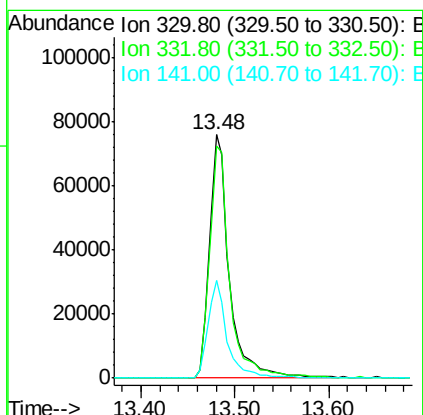
Abundance Ion 329.80 (329.50 to 330.50): E

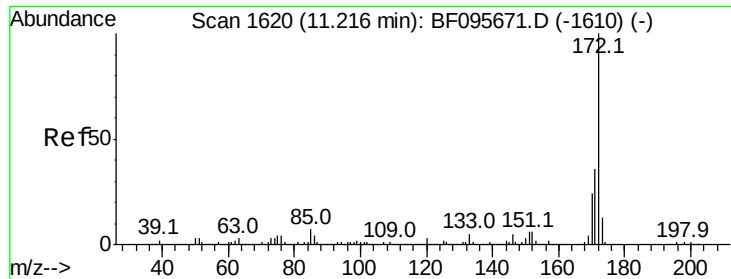
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

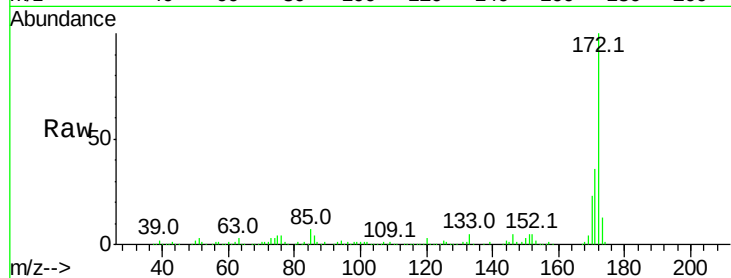




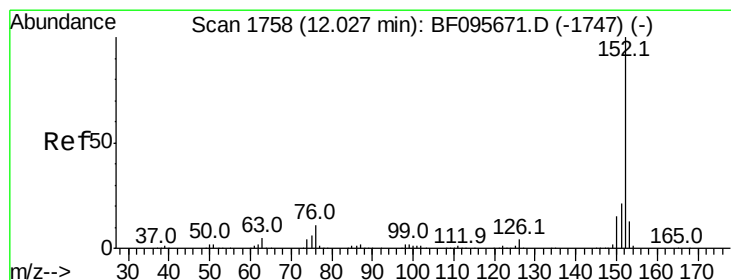
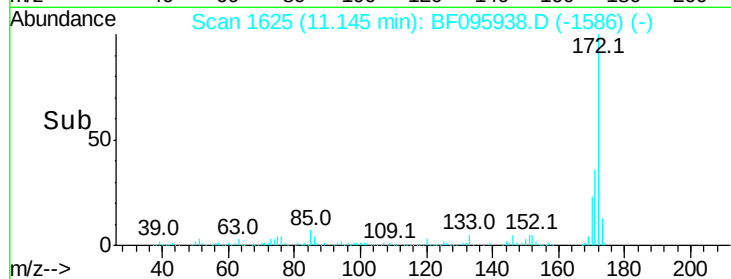
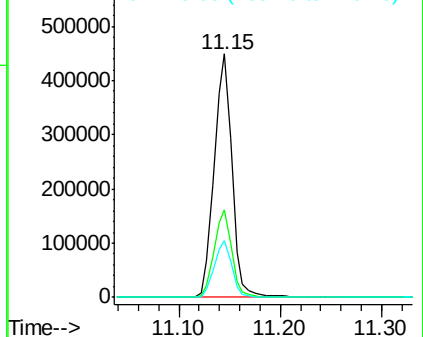
#44
2-Fluorobiphenyl
Concen: 63.85 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 551012
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.3 19.8 29.8

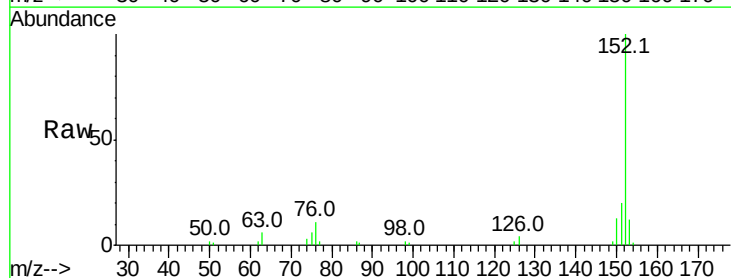


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

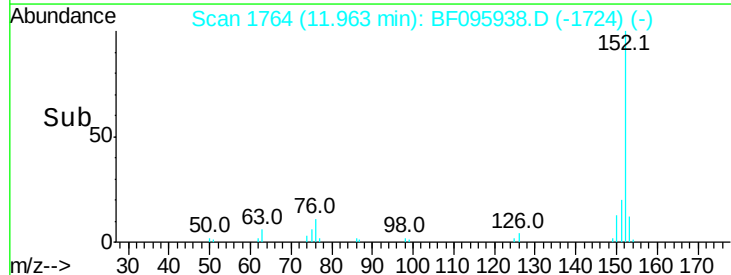
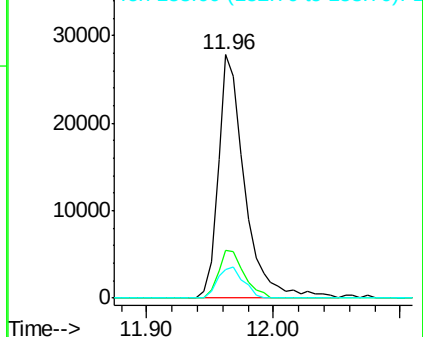


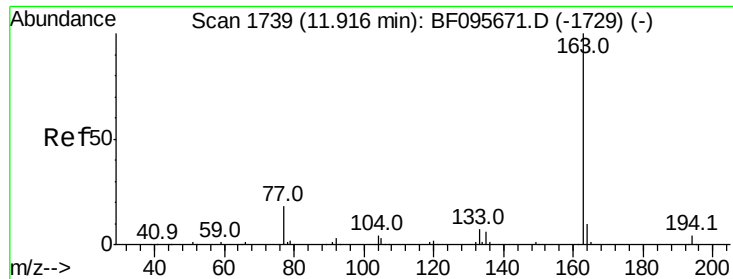
#48
Acenaphthylene
Concen: 3.05 ng
RT: 11.96 min Scan# 1764
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:152 Resp: 40339
Ion Ratio Lower Upper
152 100
151 19.5 16.8 25.2
153 11.9 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





#49

Dimethylphthalate

Concen: 7.83 ng

RT: 11.85 min Scan# 1744

Delta R.T. -0.07 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

ClientSampled :

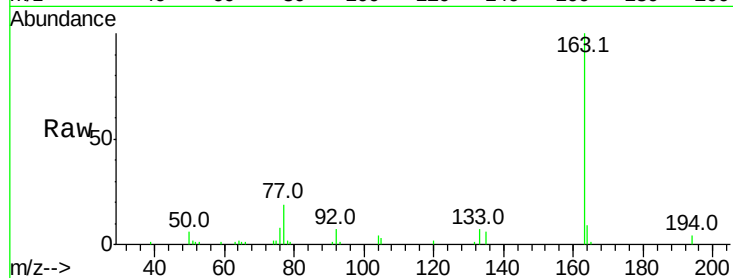
Tot Ion:163 Resp: 71416

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

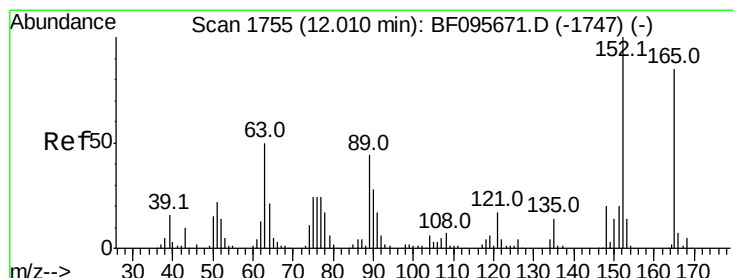
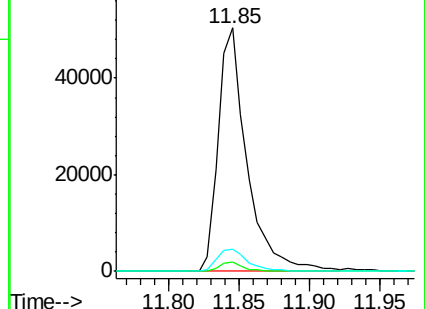
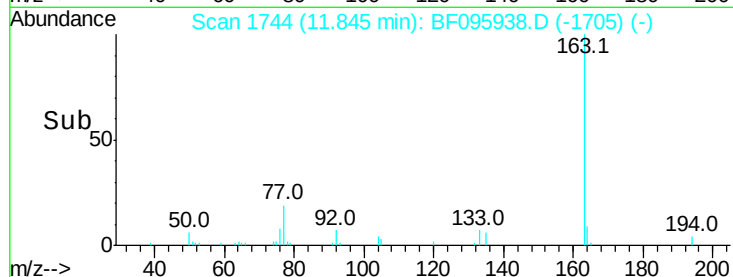
164 9.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.70 ng

RT: 12.19 min Scan# 1802

Delta R.T. 0.18 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

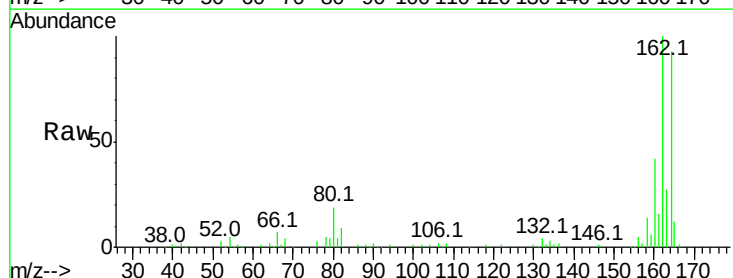
Tgt Ion:165 Resp: 15316

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

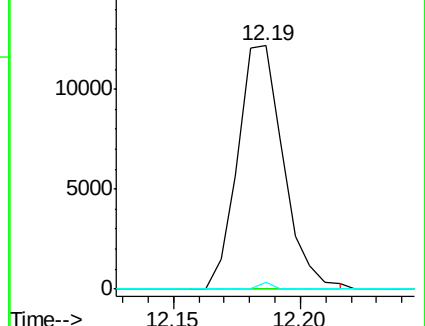
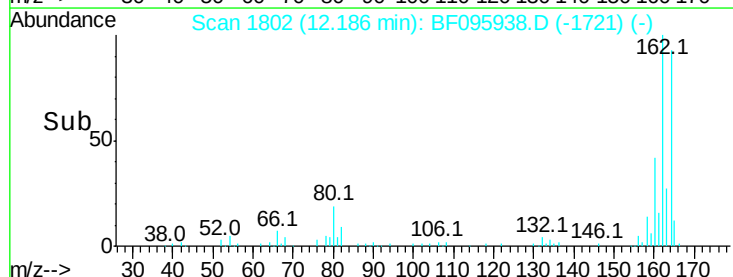
89 3.0 37.1 55.7#

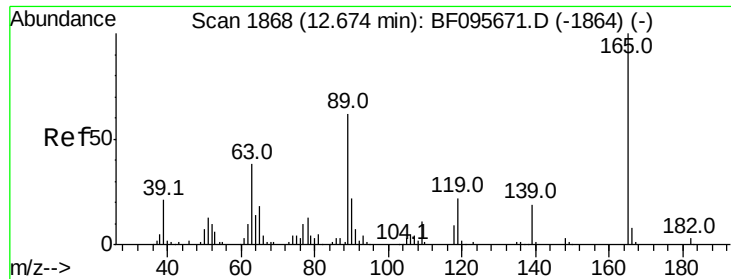


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

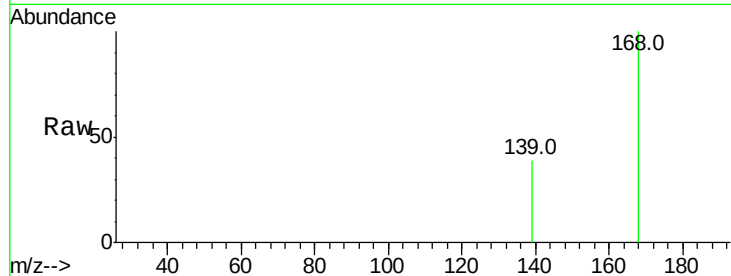




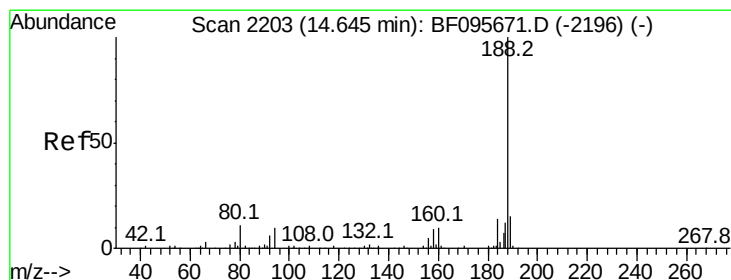
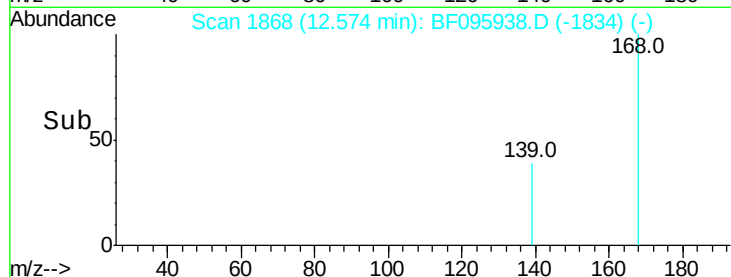
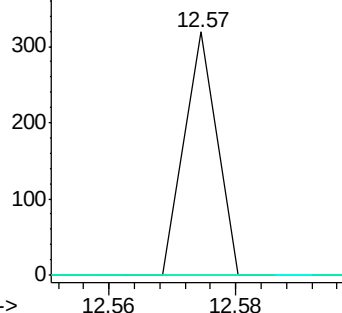
#55
4-Nitrophenol
Concen: 4.71 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 113
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

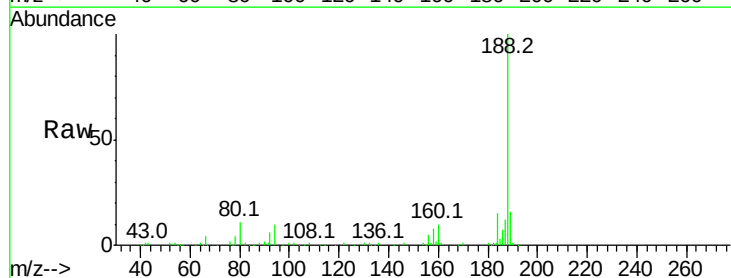


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

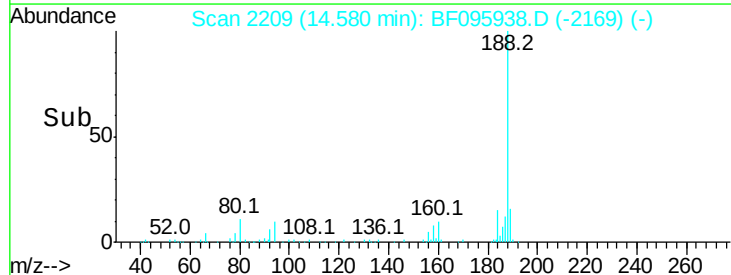
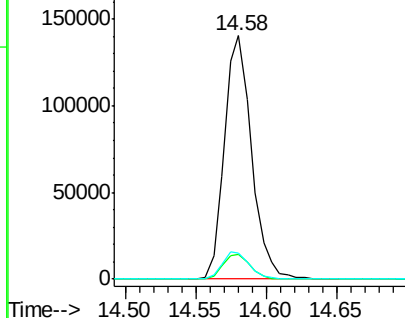


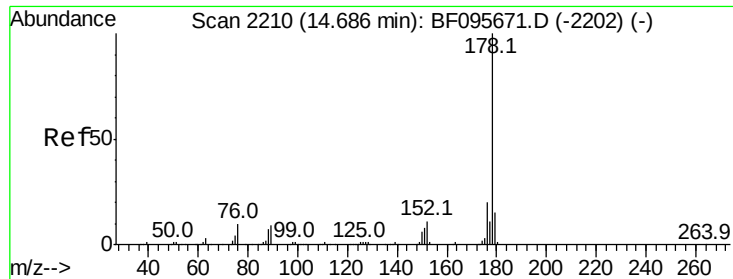
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:188 Resp: 188177
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.7 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

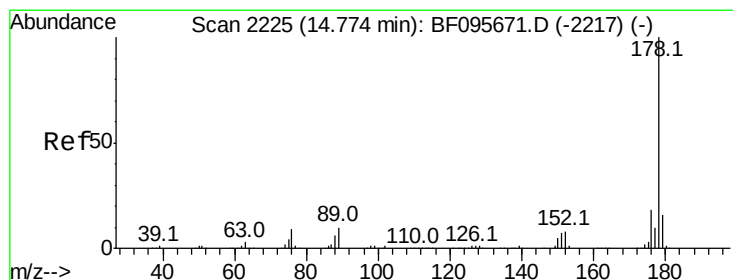
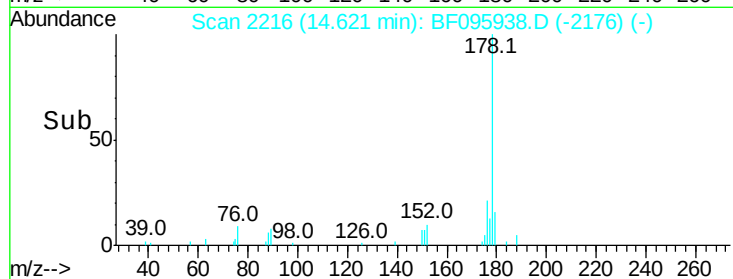
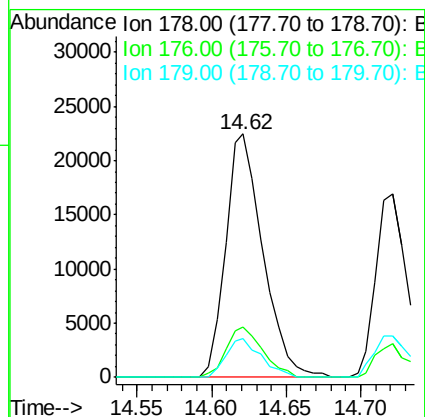
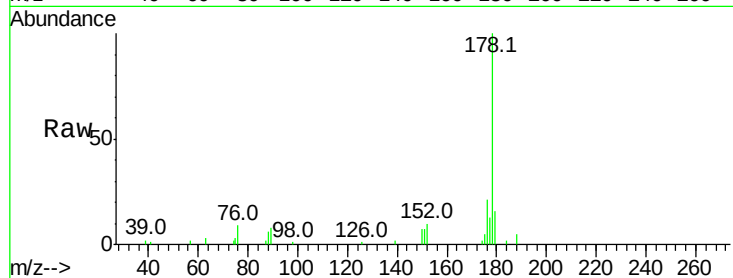




#70
Phenanthrene
Concen: 3.60 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

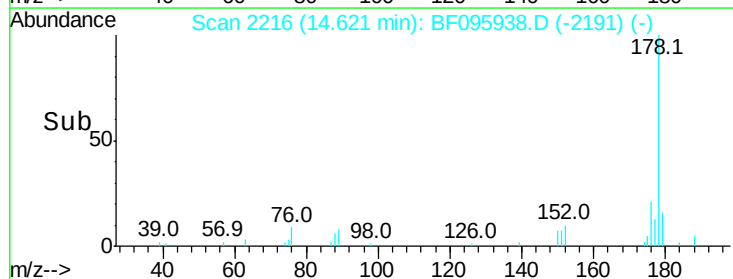
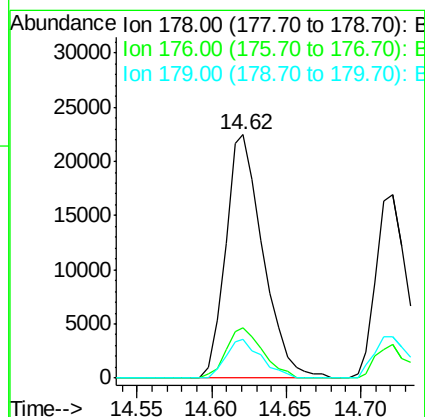
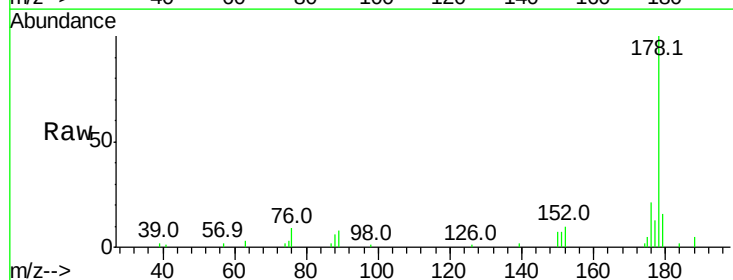
Instrument :
BNA_F
ClientSampled :

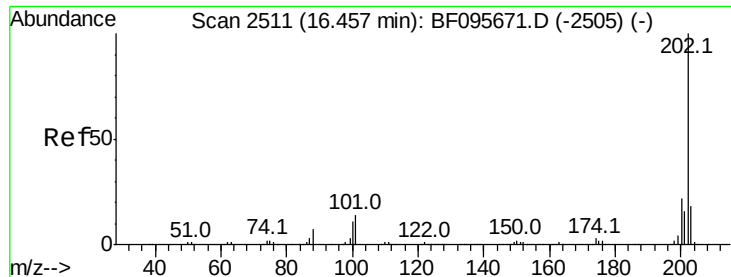
Tot Ion:178 Resp: 39078
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 16.1 12.6 19.0



#71
Anthracene
Concen: 3.45 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.15 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:178 Resp: 39078
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.1 12.7 19.1

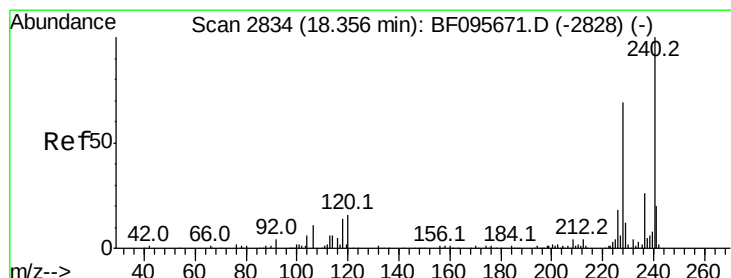
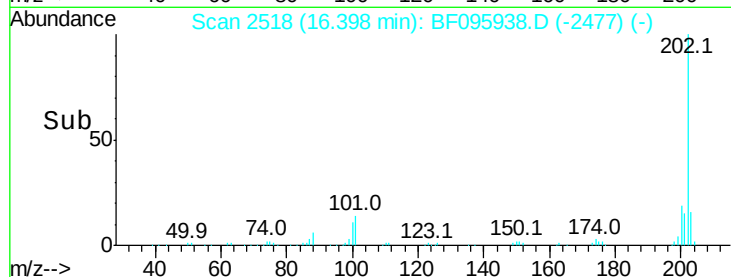
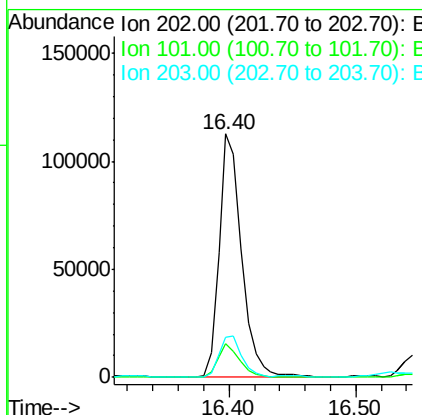
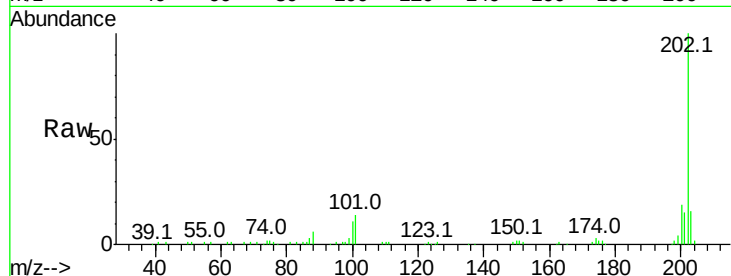




#74
 Fluoranthene
 Concen: 12.97 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

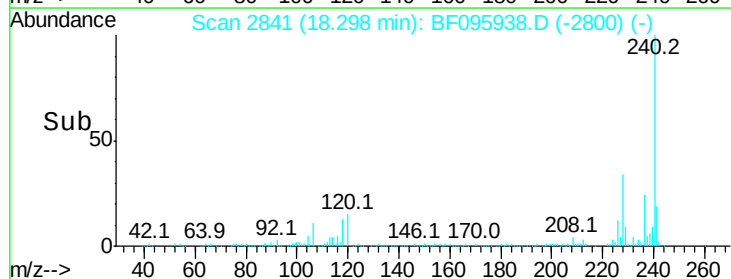
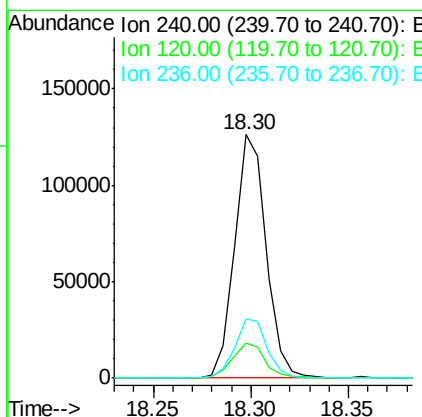
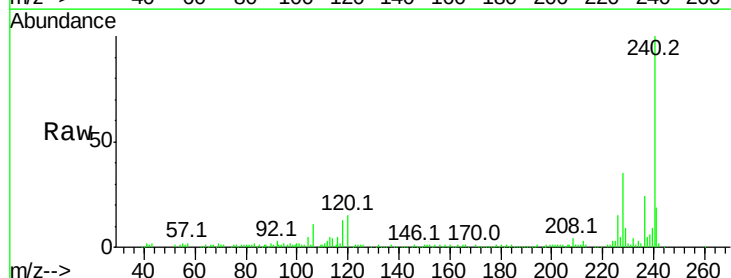
Instrument :
 BNA_F
 ClientSampleId :

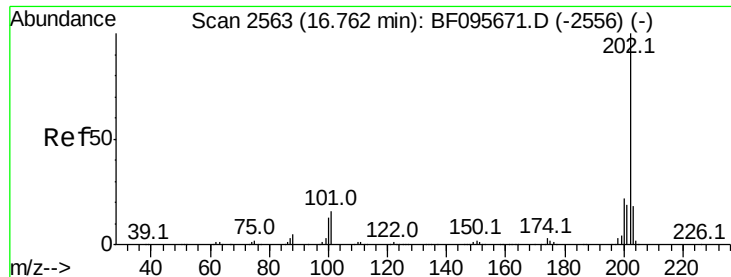
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	16.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.30 min Scan# 2841
 Delta R.T. -0.06 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.2	20.5	30.7

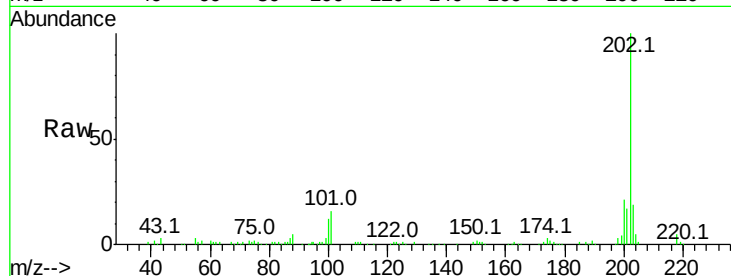




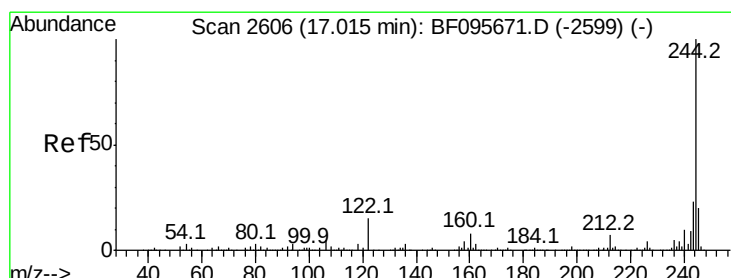
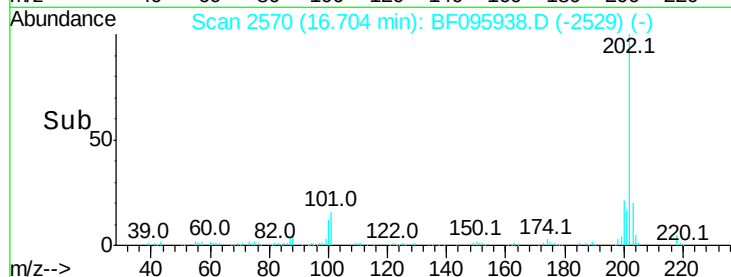
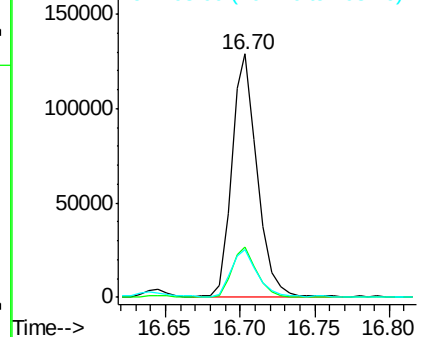
#77
Pvrene
Concen: 14.54 ng
RT: 16.70 min Scan# 2570
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 152842
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 19.5 14.4 21.6

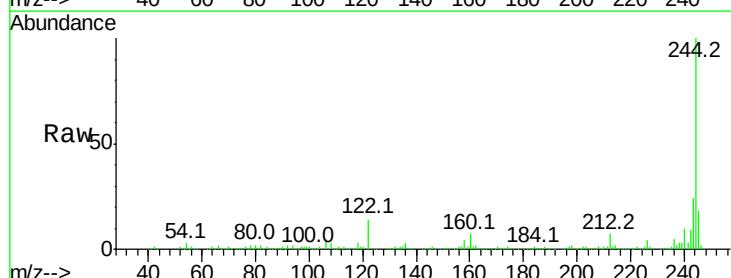


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

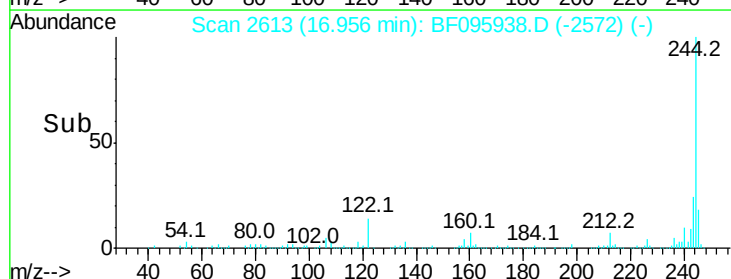
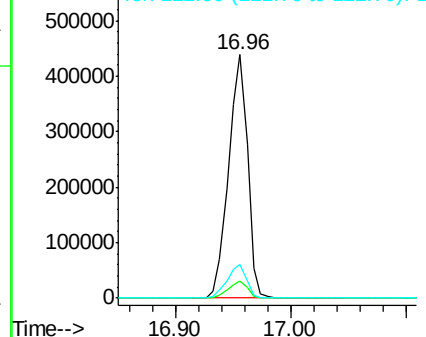


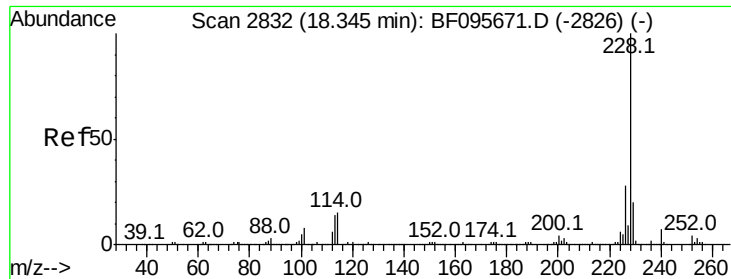
#78
Terphenyl-d14
Concen: 87.98 ng
RT: 16.96 min Scan# 2613
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:244 Resp: 499302
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 13.7 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

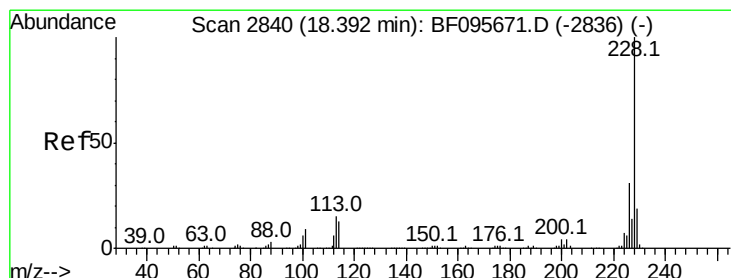
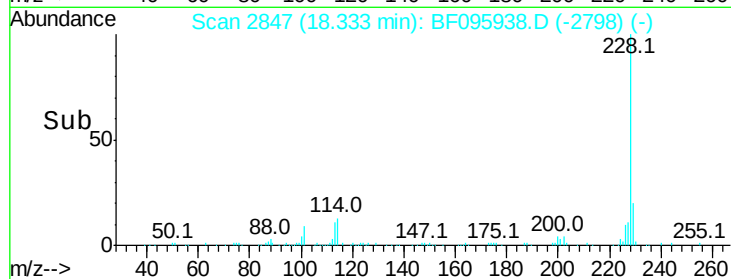
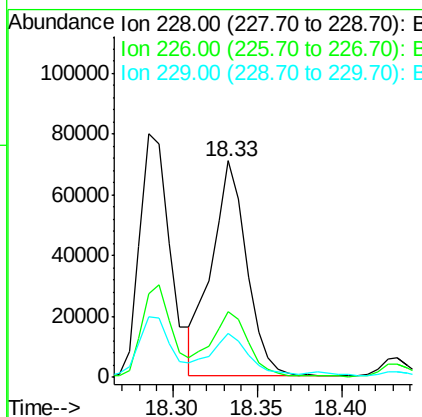
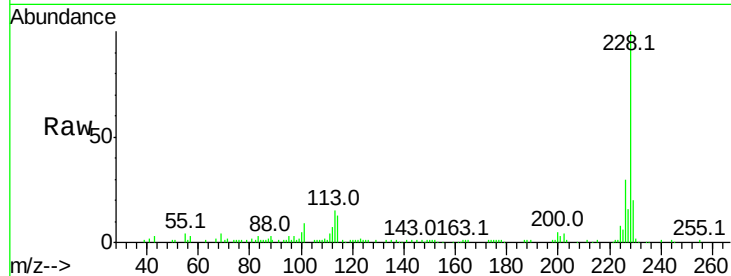




#80
Benzo(a)anthracene
Concen: 12.63 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

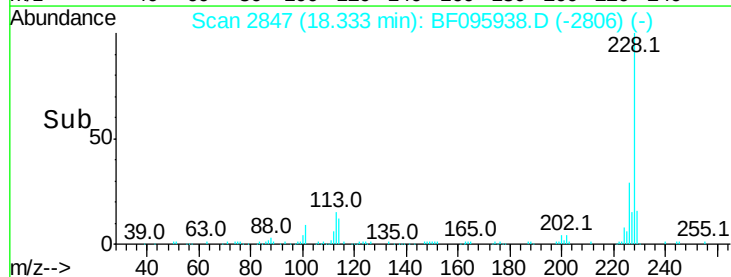
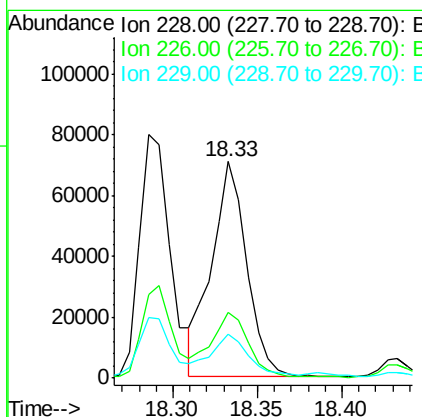
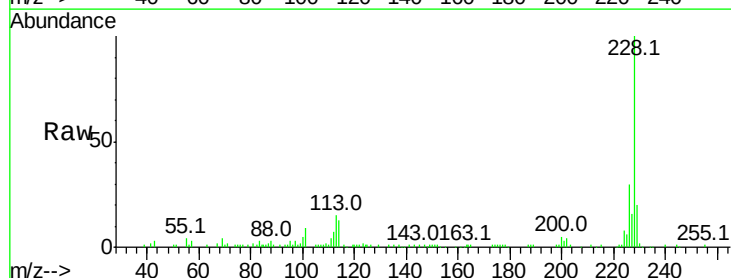
Instrument :
BNA_F
ClientSampleId :

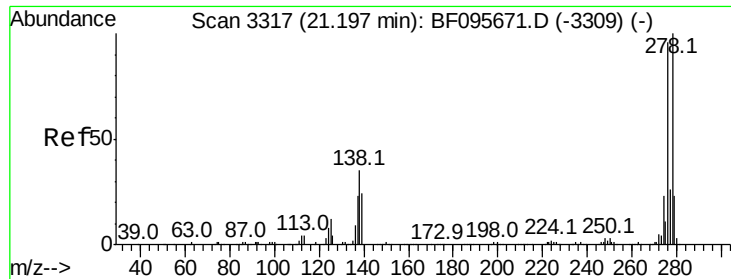
Tot Ion:228 Resp: 103388
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 20.3 16.3 24.5



#82
Chrysene
Concen: 12.63 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:228 Resp: 103388
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 20.3 15.8 23.6

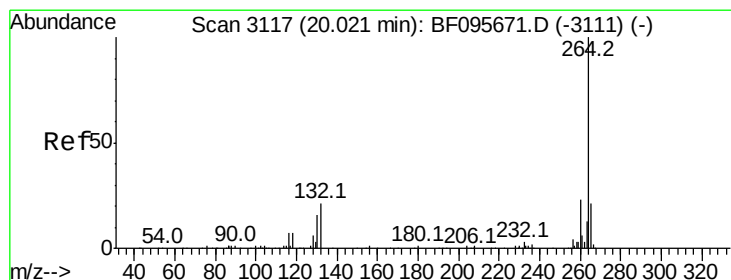
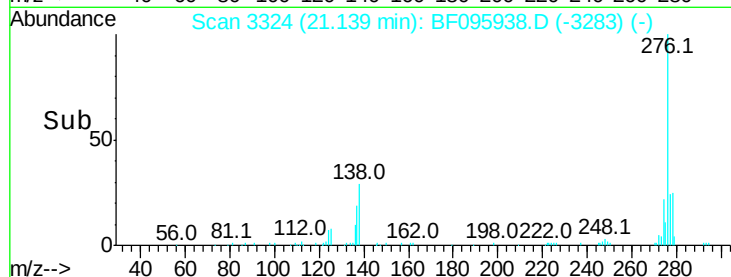
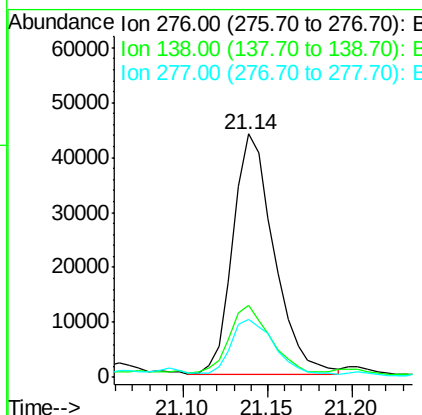
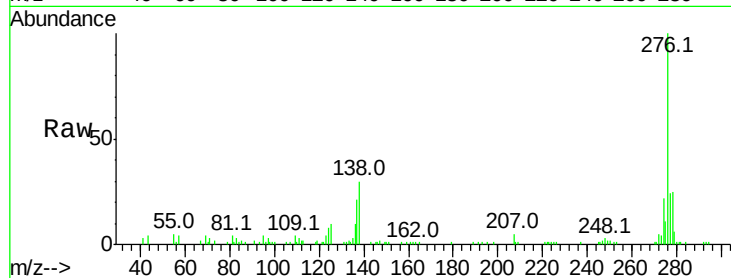




#85
Indeno(1,2,3-cd)pyrene
Concen: 10.62 ng
RT: 21.14 min Scan# 3324
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

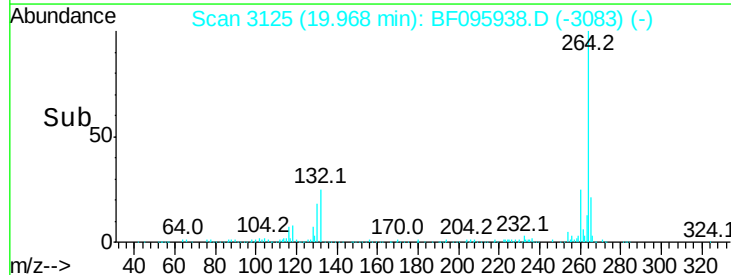
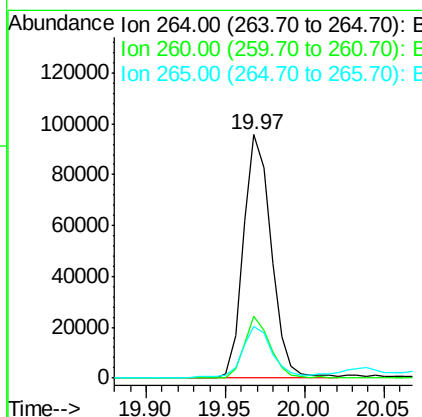
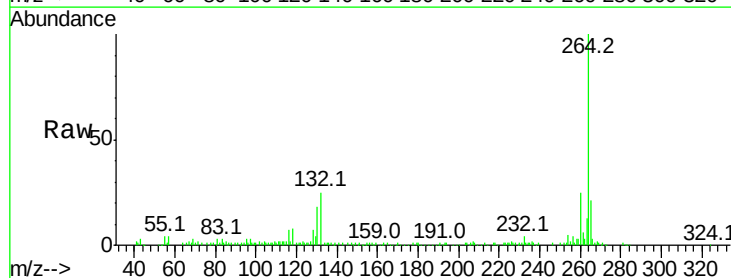
Instrument :
BNA_F
ClientSampleId :

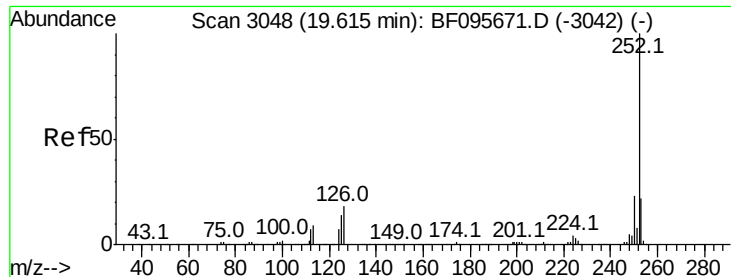
Tot Ion:276 Resp: 74364
Ion Ratio Lower Upper
276 100
138 27.1 27.8 41.6#
277 25.2 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3125
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:264 Resp: 117369
Ion Ratio Lower Upper
264 100
260 25.3 19.5 29.3
265 21.2 17.2 25.8

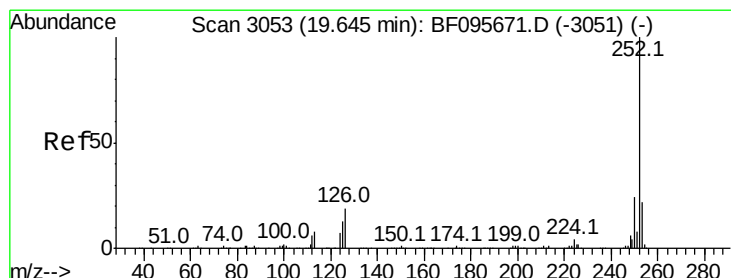
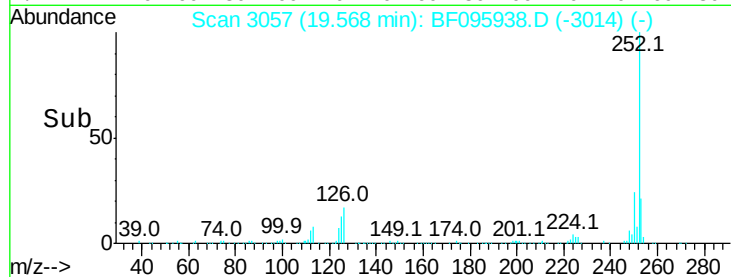
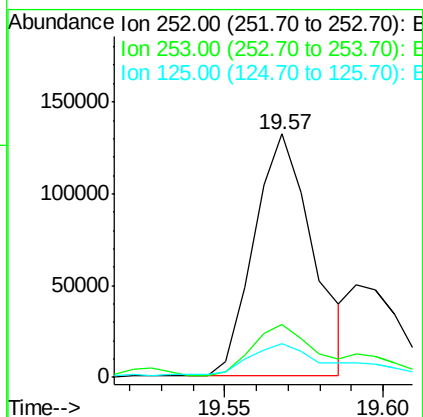
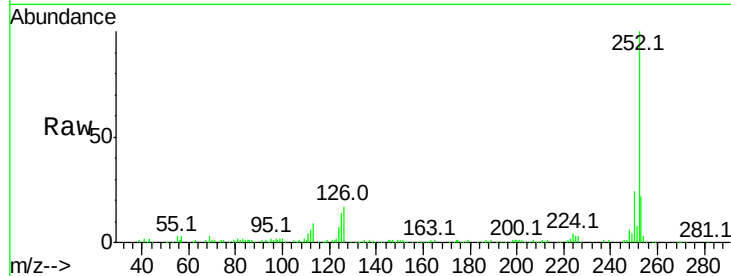




#87
Benzo(b)fluoranthene
Concen: 23.20 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

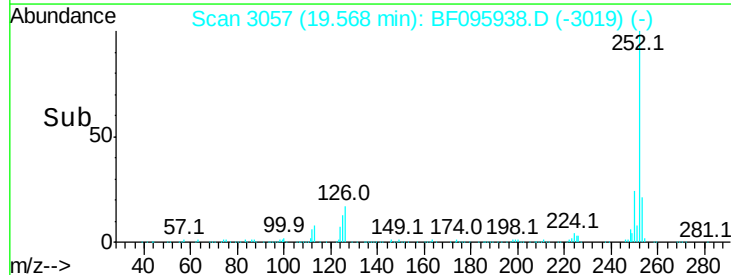
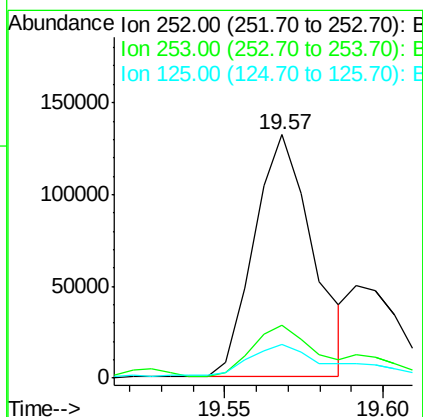
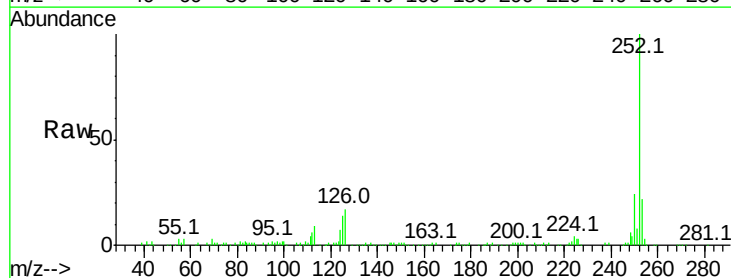
Instrument :
BNA_F
ClientSampleId :

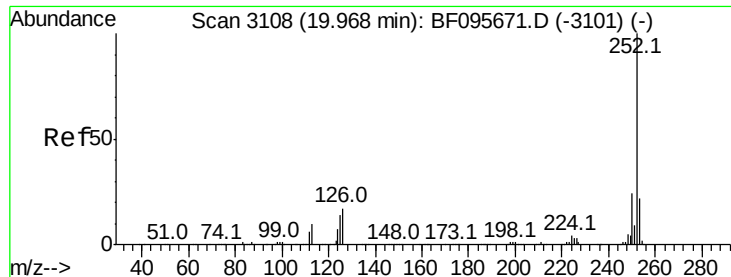
Tot Ion:252 Resp: 170502
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 13.9 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 24.27 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.08 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion:252 Resp: 170502
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 13.9 13.1 19.7





#89

Benzo(a)pyrene

Concen: 17.15 ng

RT: 19.92 min Scan# 3116

Delta R.T. -0.05 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

ClientSampleId :

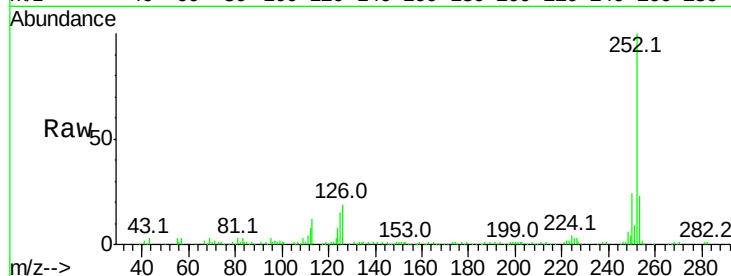
Tot Ion:252 Resp: 115842

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

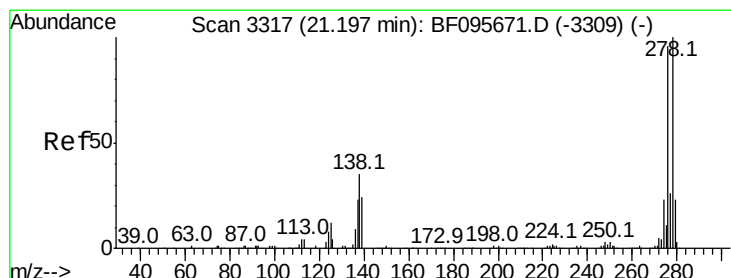
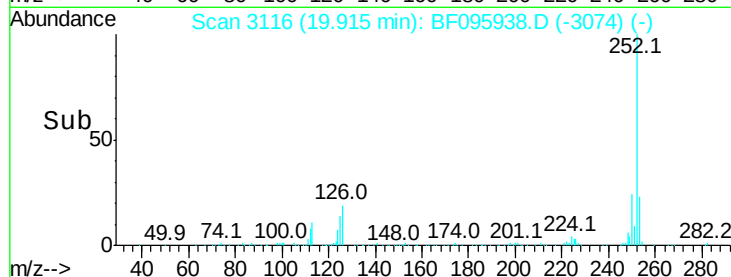
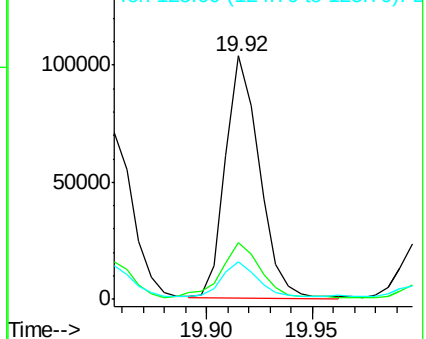
125 15.4 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 2.81 ng

RT: 21.27 min Scan# 3346

Delta R.T. 0.07 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

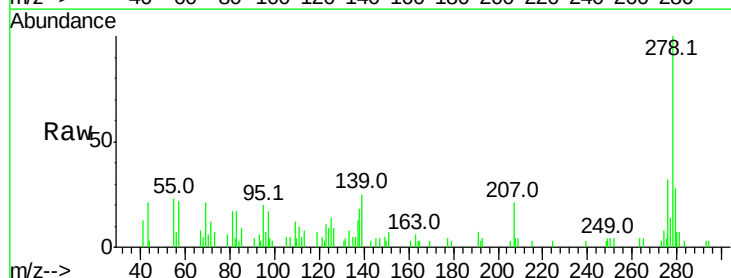
Tgt Ion:278 Resp: 16107

Ion Ratio Lower Upper

278 100

139 24.6 16.6 24.8

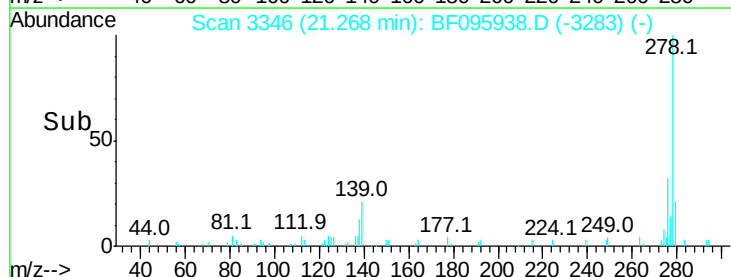
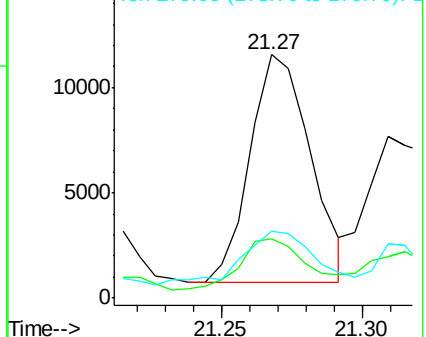
279 27.7 19.3 28.9

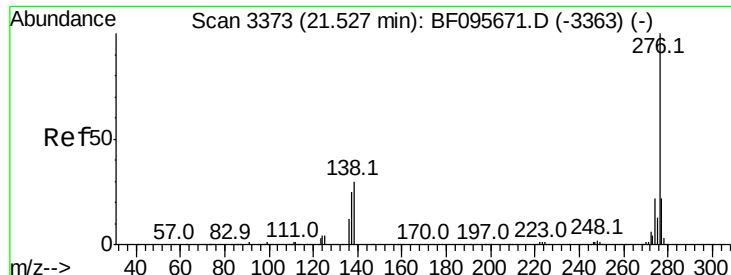


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 12.05 ng

RT: 21.47 min Scan# 3380

Delta R.T. -0.06 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

ClientSampleId :

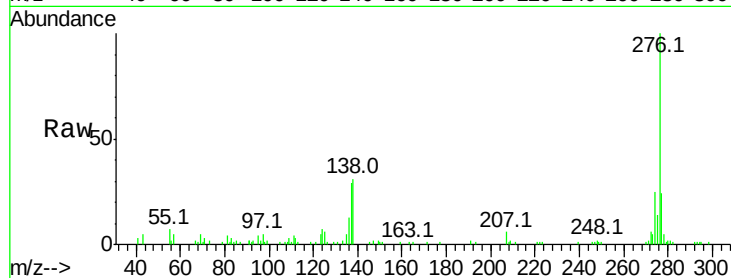
Tot Ion:276 Resp: 70411

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 30.8 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

