

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110603.D
 Acq On : 8 Nov 2018 23:35
 Operator : JU/SJ
 Sample : J5768-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:43:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	84107	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	351943	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	157880	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	262349	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	175264	20.00	ng	-0.01
87) Perylene-d12	15.65	264	165421	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	217434	41.99	ng	0.00
7) Phenol-d6	6.56	99	281990	42.59	ng	-0.01
23) Nitrobenzene-d5	7.50	82	175914	28.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	52740	33.15	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	336122	30.41	ng	0.00
79) Terphenyl-d14	13.06	244	236259	25.25	ng	-0.01

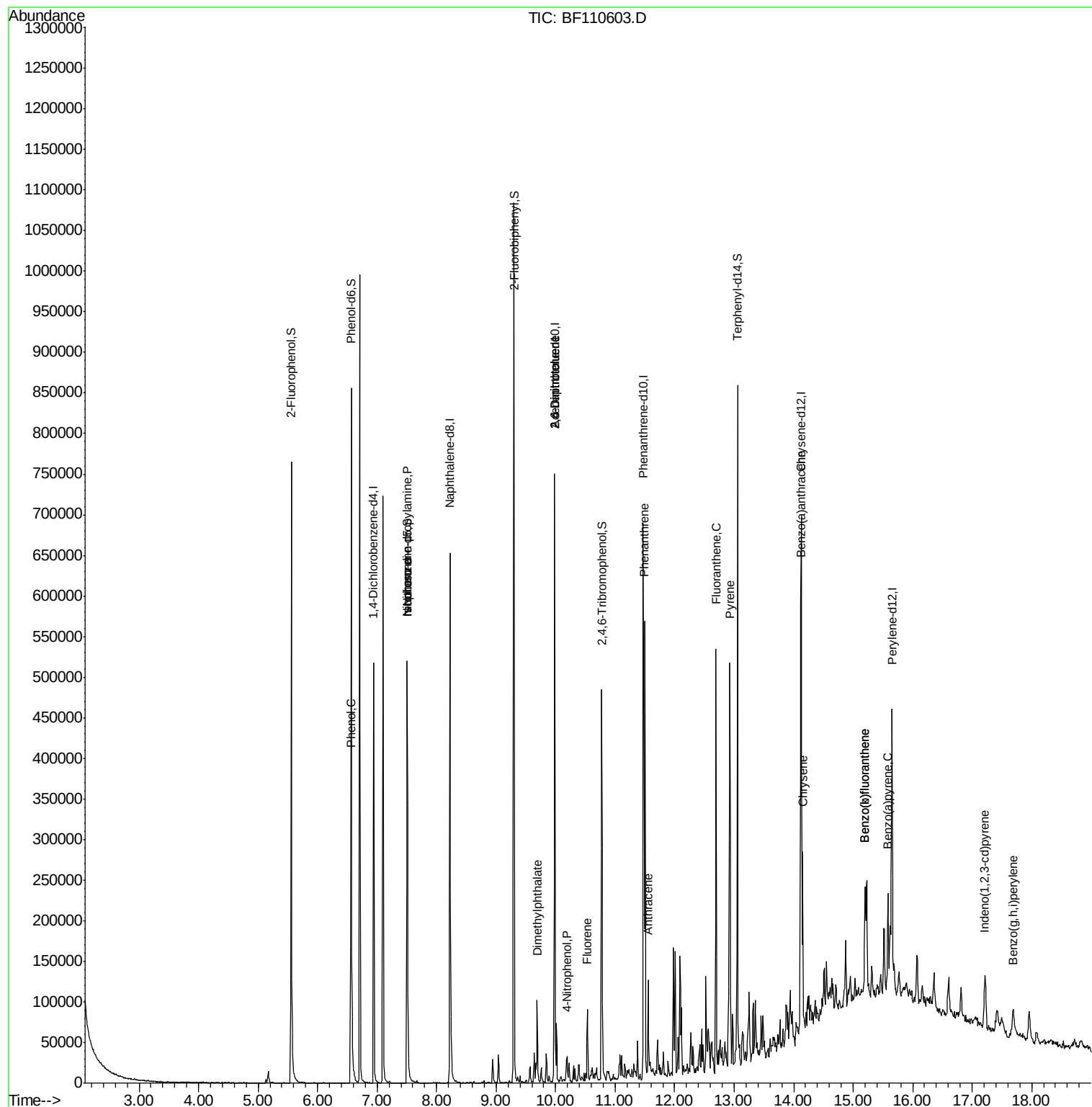
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	540	Below Cal	#	1
10) Phenol	6.57	94	20316	2.65	ng	69
19) n-Nitroso-di-n-propylamine	7.50	70	22131	5.24	ng	82
25) Isophorone	7.50	82	175913	17.56	ng	67
50) Dimethylphthalate	9.69	163	42808	3.63	ng	99
51) 2,6-Dinitrotoluene	9.98	165	20996	8.10	ng	23
56) 4-Nitrophenol	10.19	139	4550	2.28	ng	6
57) 2,4-Dinitrotoluene	9.98	165	20996	6.23	ng	19
58) Fluorene	10.53	166	24383	2.25	ng	98
71) Phenanthrene	11.50	178	226514	16.12	ng	98
72) Anthracene	11.56	178	54999	3.88	ng	98
75) Fluoranthene	12.70	202	213768	15.17	ng	97
78) Pyrene	12.93	202	200328	14.84	ng	98
81) Benzo(a)anthracene	14.12	228	83695	7.99	ng	97
83) Chrysene	14.15	228	72909	7.31	ng	97
86) Indeno(1,2,3-cd)pyrene	17.21	276	26532	3.70	ng	# 86
88) Benzo(b)fluoranthene	15.20	252	100239	10.13	ng	# 90
89) Benzo(k)fluoranthene	15.20	252	100239	10.25	ng	# 89
90) Benzo(a)pyrene	15.59	252	58053	6.46	ng	98
92) Benzo(a,h,i)perylene	17.69	276	26189	3.47	ng	# 92

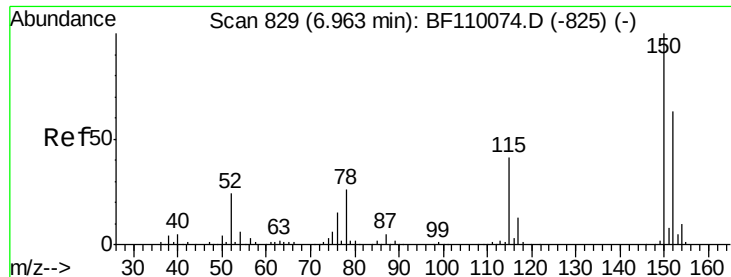
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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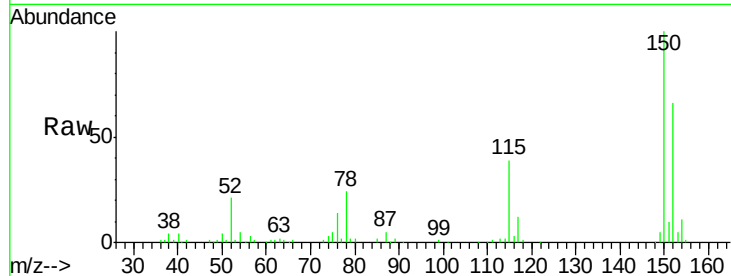


#1

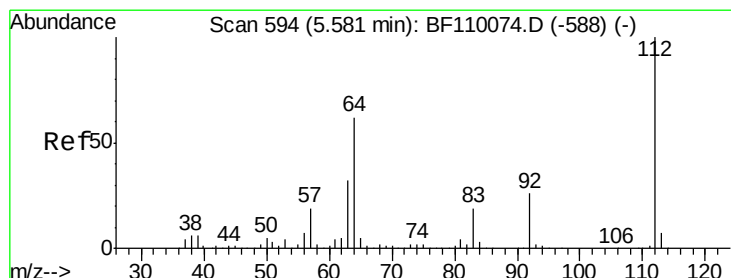
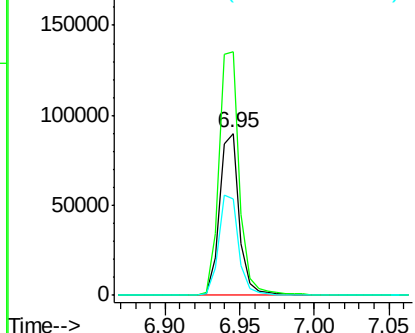
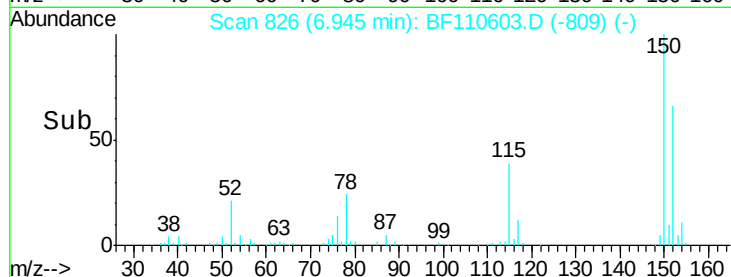
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84107
Ion Ratio Lower Upper
152 100
150 150.4 122.7 184.1
115 59.2 49.1 73.7



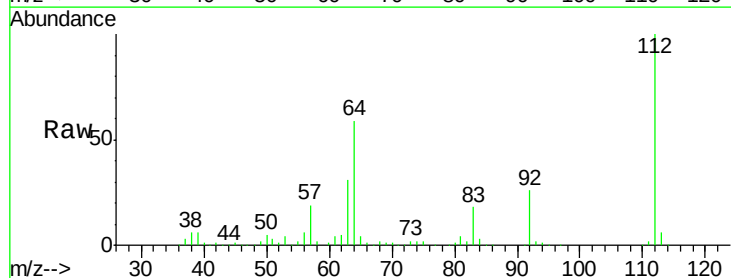
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



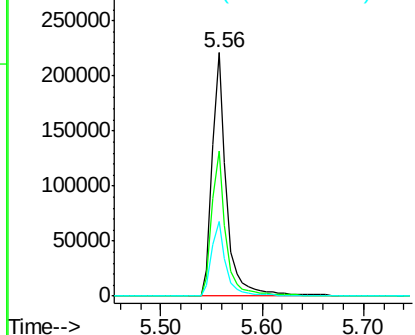
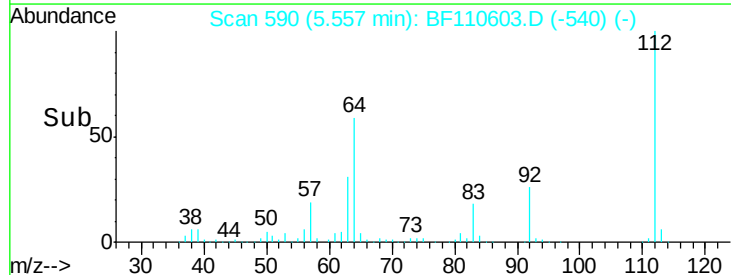
#5

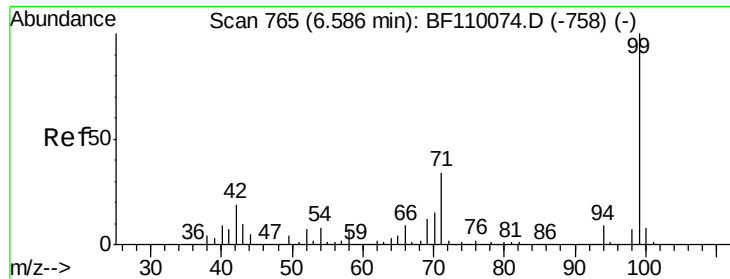
2-Fluorophenol
Concen: 41.99 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion:112 Resp: 217434
Ion Ratio Lower Upper
112 100
64 59.5 44.1 66.1
63 30.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 42.59 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

Instrument :

BNA_F

ClientSampleId :

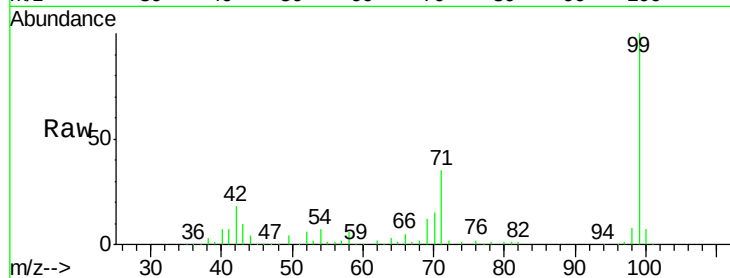
Tot Ion: 99 Resp: 281990

Ion Ratio Lower Upper

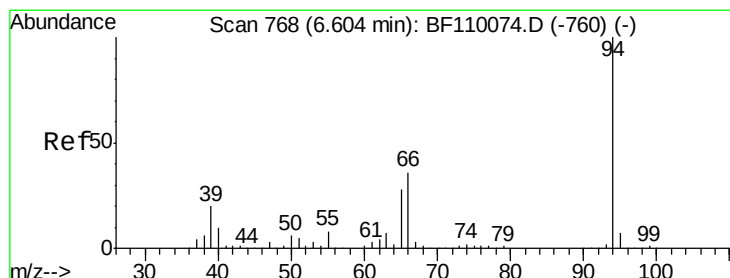
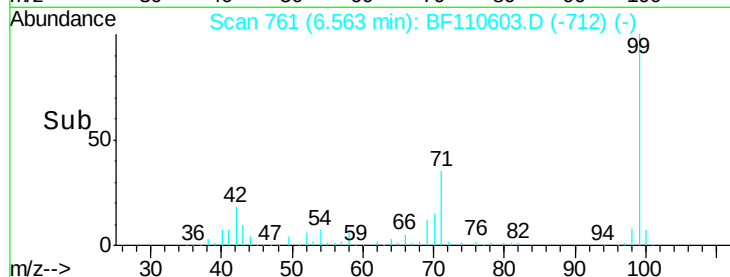
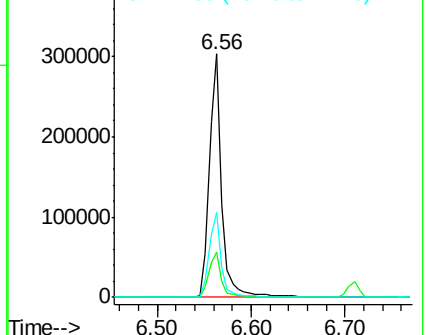
99 100

42 18.3 15.8 23.6

71 34.9 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.65 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

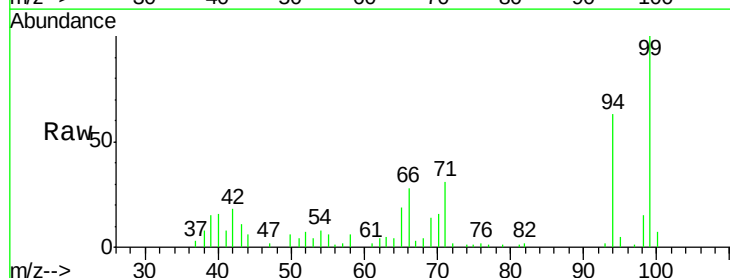
Tgt Ion: 94 Resp: 20316

Ion Ratio Lower Upper

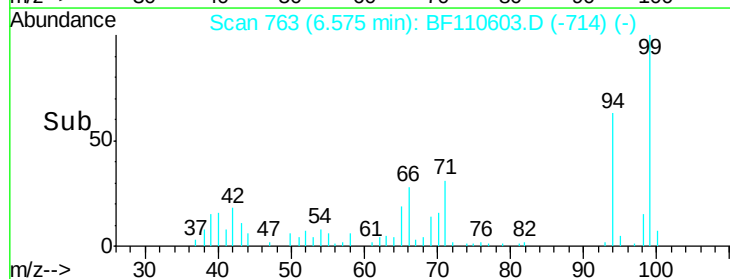
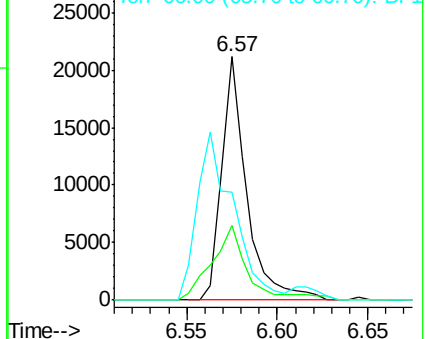
94 100

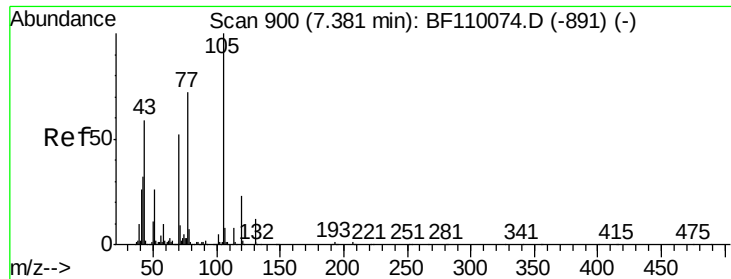
65 30.5 25.3 65.3

66 44.4 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

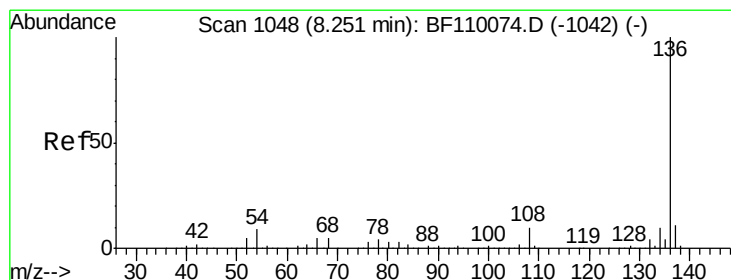
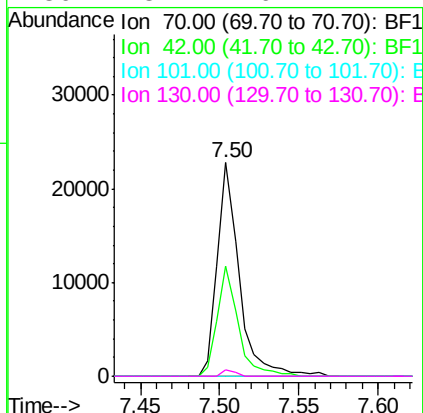
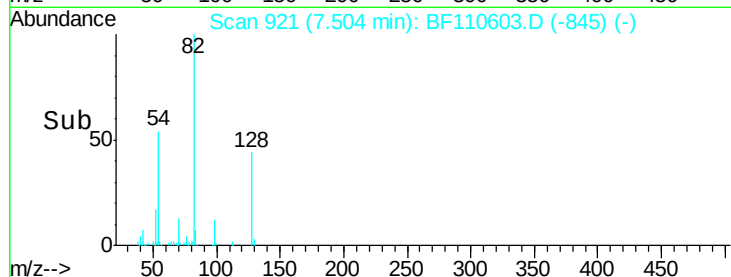
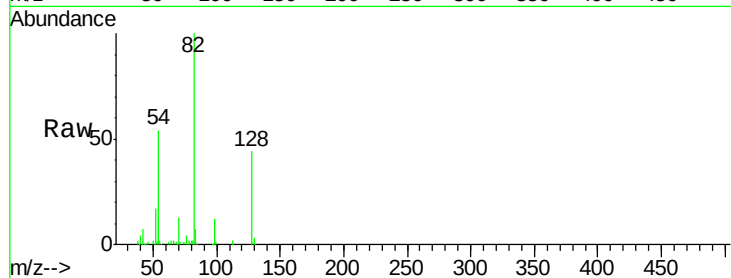




#19
n-Nitroso-di-n-propylamine
Concen: 5.24 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

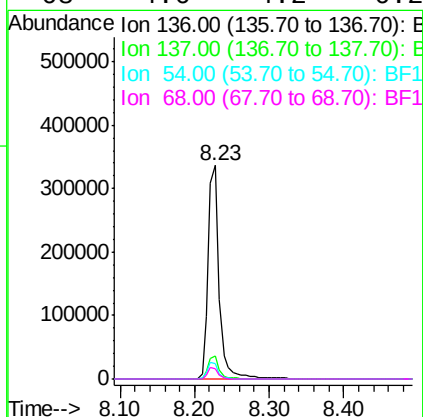
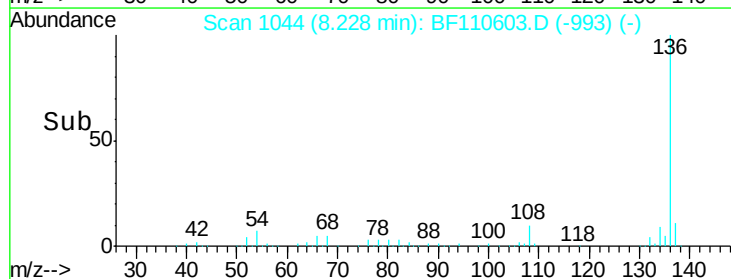
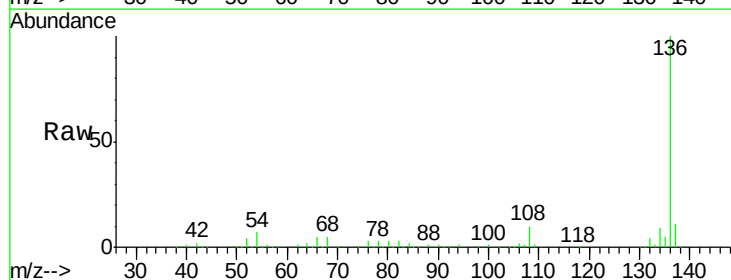
Instrument :
BNA_F
ClientSampleId :

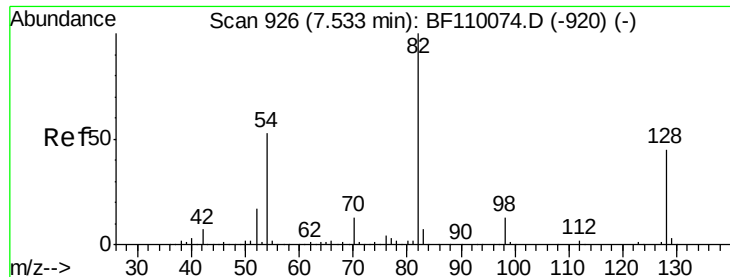
Tot Ion: 70 Resp: 22131
Ion Ratio Lower Upper
70 100
42 51.3 47.4 71.2
101 0.0 7.3 10.9#
130 3.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion: 136 Resp: 351943
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.1 5.4 8.2
68 4.6 4.2 6.2

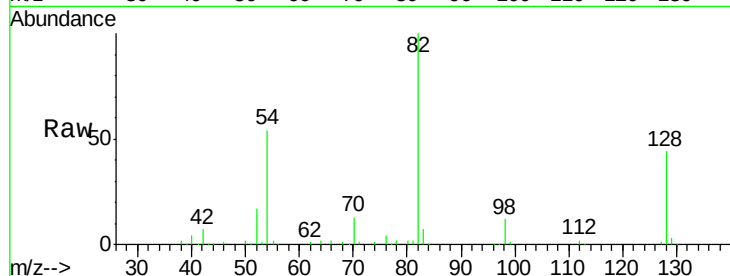




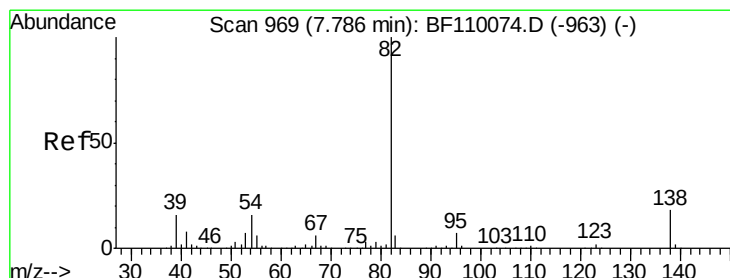
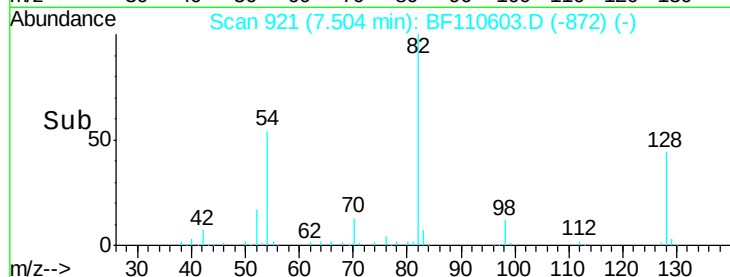
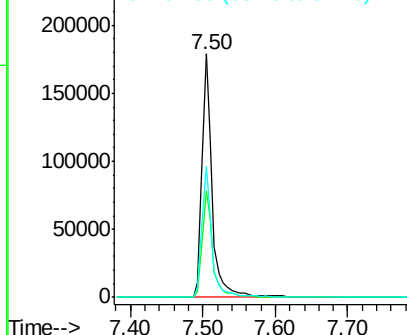
#23
 Nitrobenzene-d5
 Concen: 28.79 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110603.D
 Acq: 8 Nov 2018 23:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 175914
 Ion Ratio Lower Upper
 82 100
 128 43.6 34.2 51.2
 54 53.6 38.6 58.0

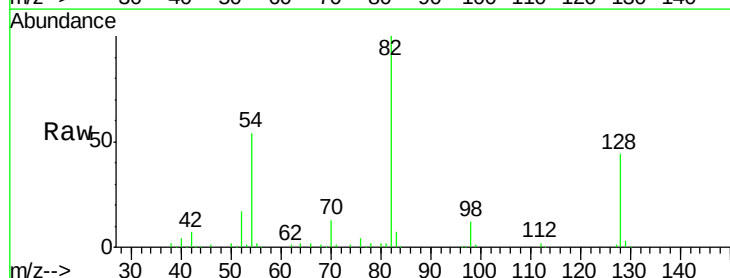


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

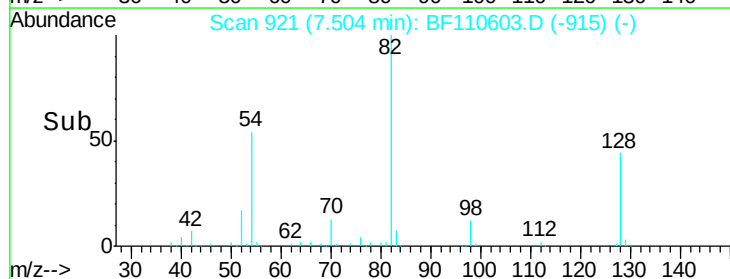
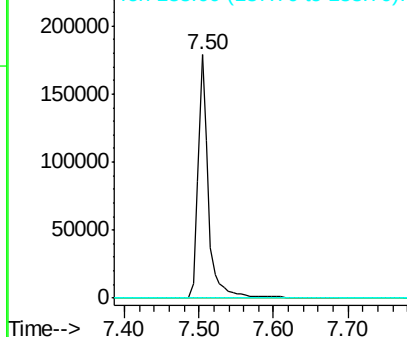


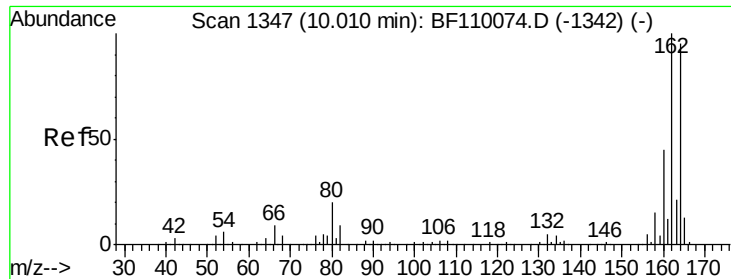
#25
 Isophorone
 Concen: 17.56 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110603.D
 Acq: 8 Nov 2018 23:35

Tgt Ion: 82 Resp: 175913
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

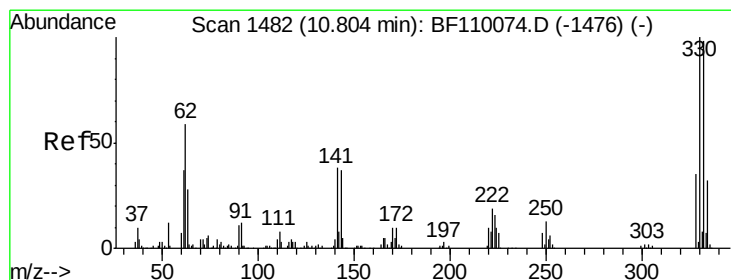
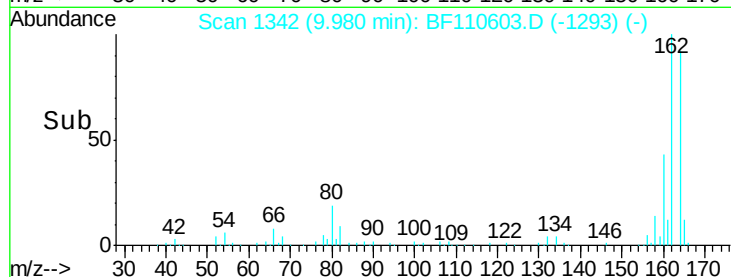
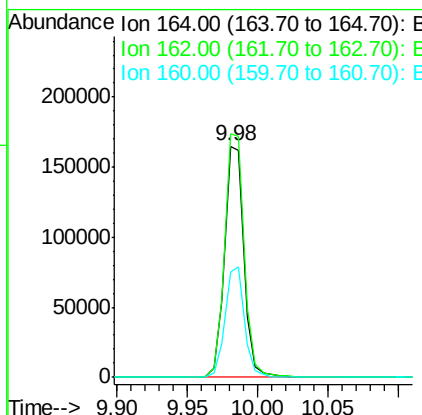
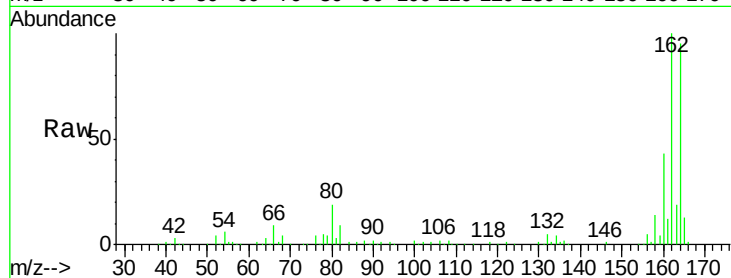




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

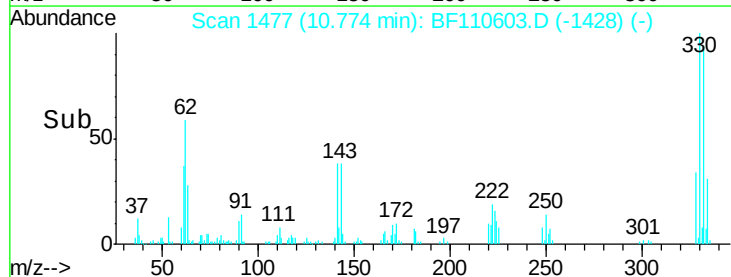
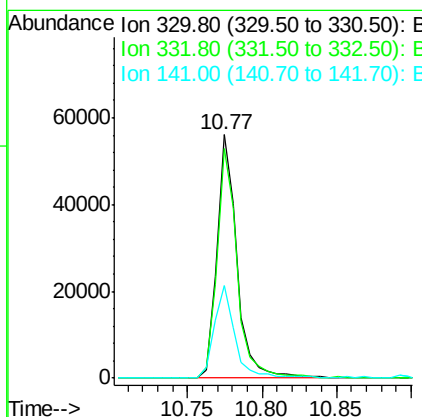
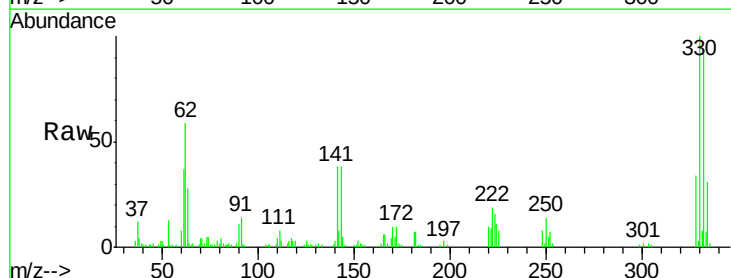
Instrument :
BNA_F
ClientSampleId :

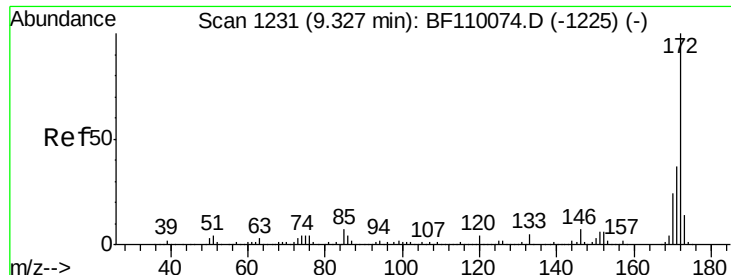
Tot Ion:164 Resp: 157880
Ion Ratio Lower Upper
164 100
162 105.3 83.0 124.6
160 45.4 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 33.15 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion:330 Resp: 52740
Ion Ratio Lower Upper
330 100
332 95.1 77.1 115.7
141 39.1 27.0 40.4

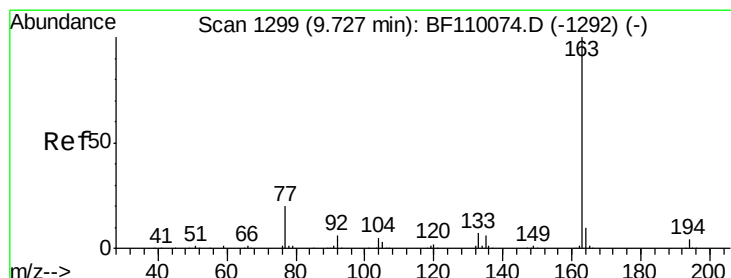
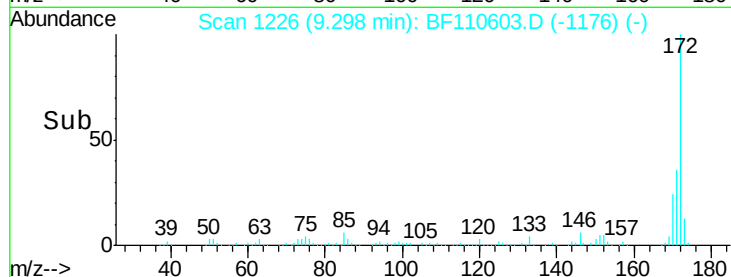
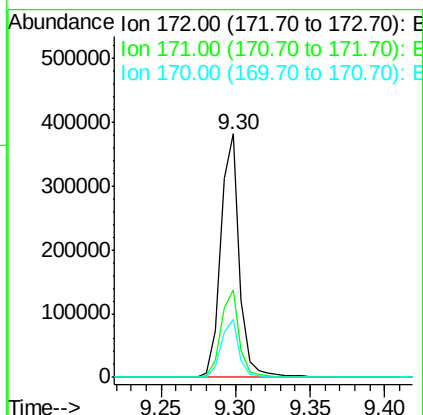
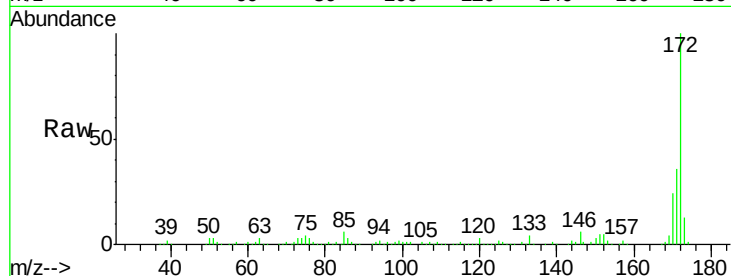




#45
2-Fluorobiphenyl
Concen: 30.41 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

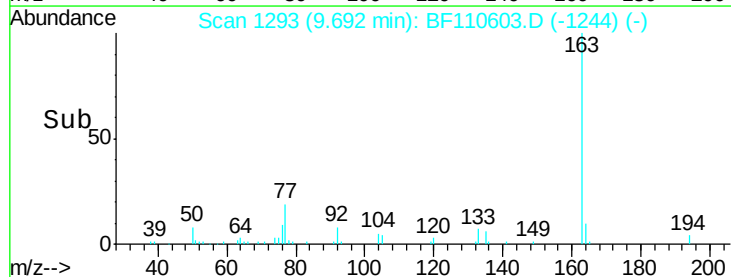
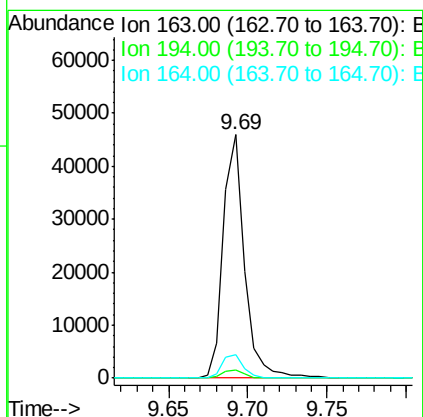
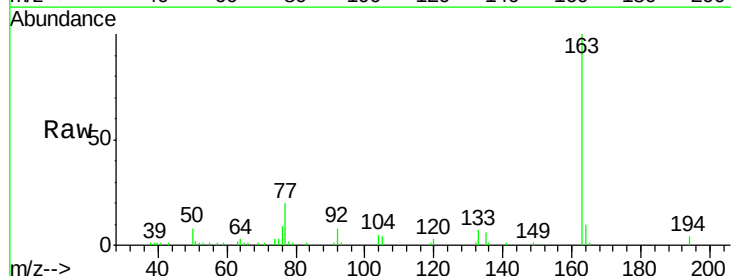
Instrument :
BNA_F
ClientSampled :

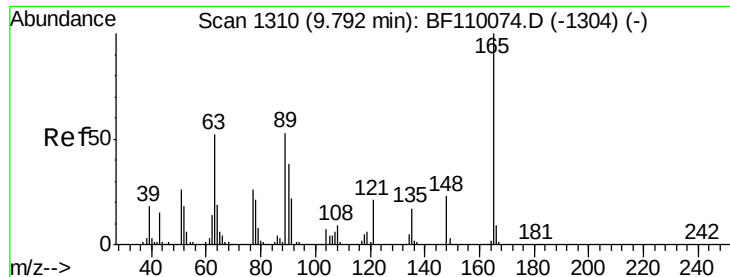
Tot Ion:172 Resp: 336122
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.7 19.7 29.5



#50
Dimethylphthalate
Concen: 3.63 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion:163 Resp: 42808
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.7 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 8.10 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

Instrument :
BNA_F
ClientSampleId :

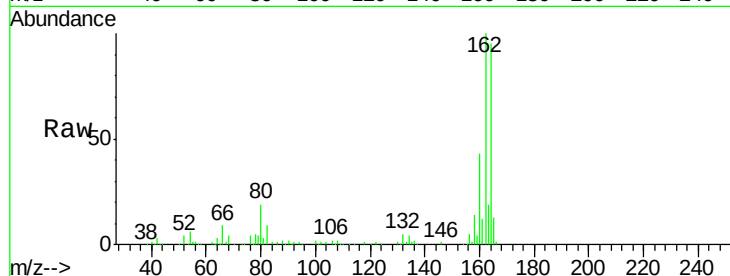
Tot Ion:165 Resp: 20996

Ion Ratio Lower Upper

165 100

63 1.7 48.9 73.3#

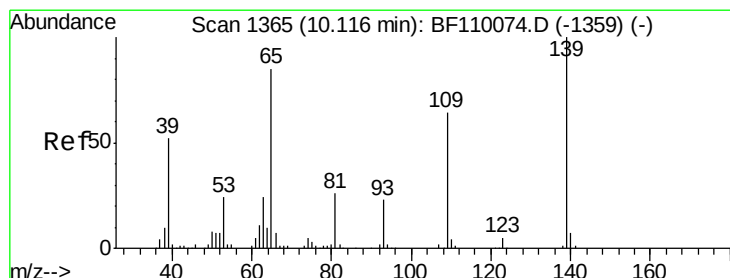
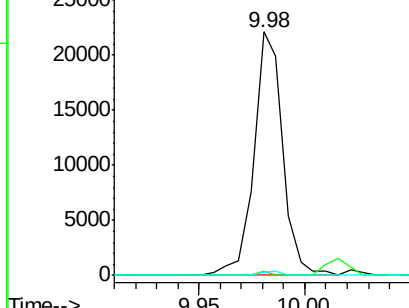
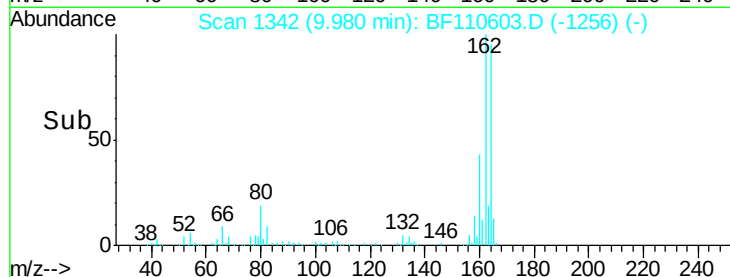
89 1.4 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

4-Nitrophenol

Concen: 2.28 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.08 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

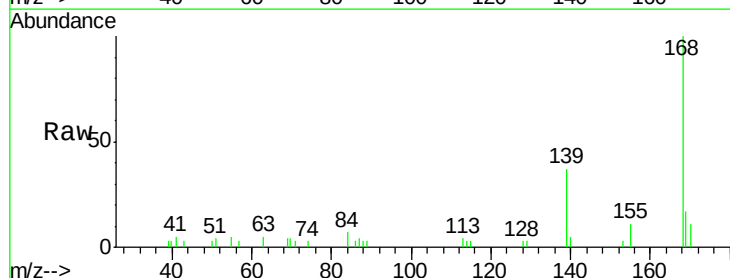
Tgt Ion:139 Resp: 4550

Ion Ratio Lower Upper

139 100

109 0.0 55.8 95.8#

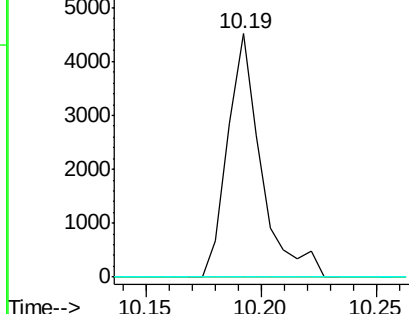
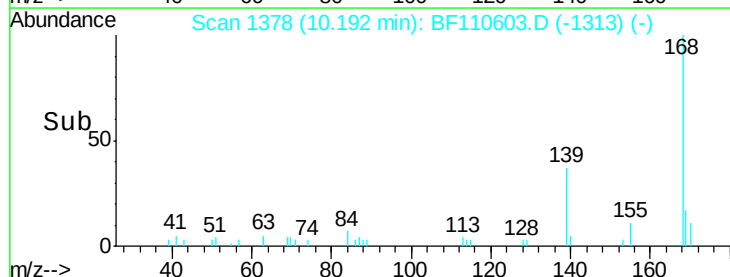
65 0.0 77.9 117.9#

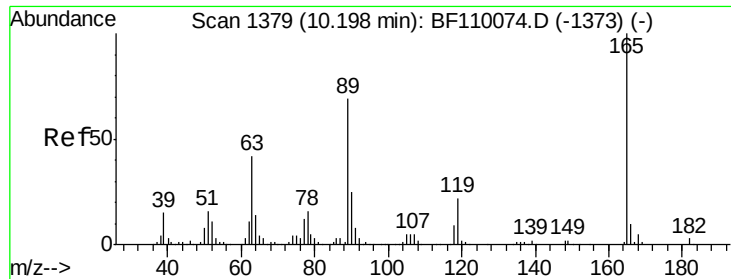


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

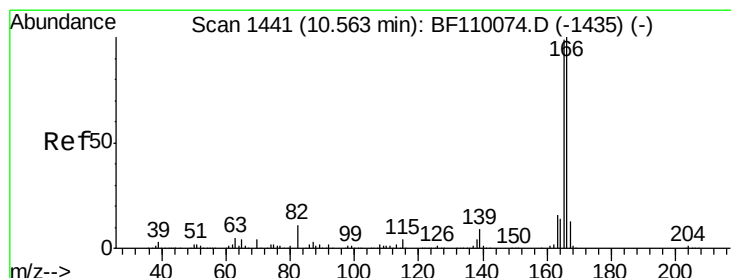
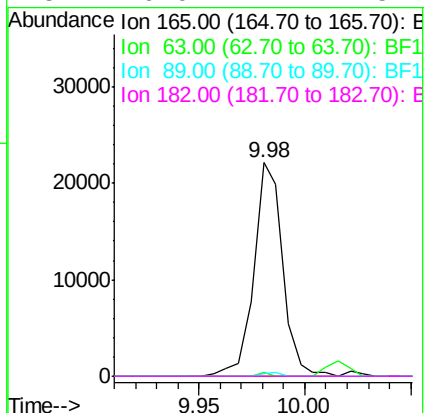
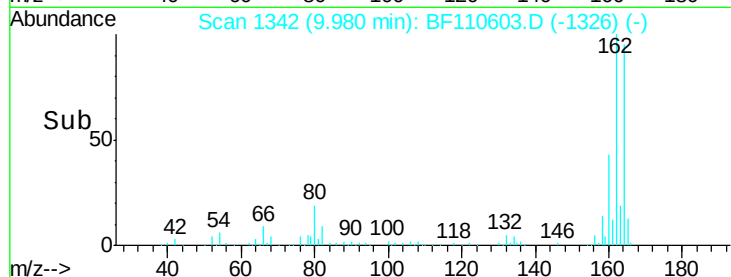
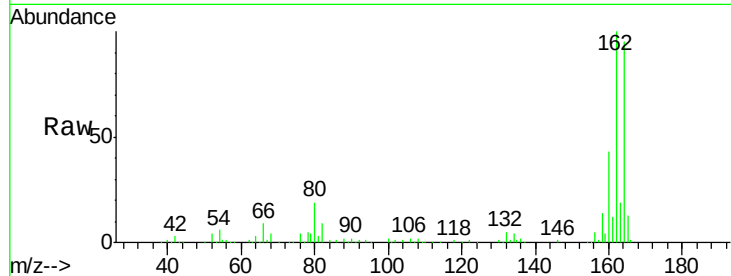




#57
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

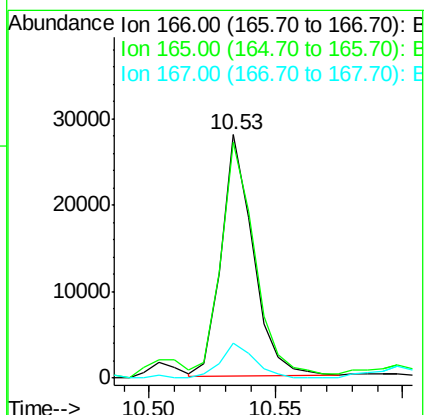
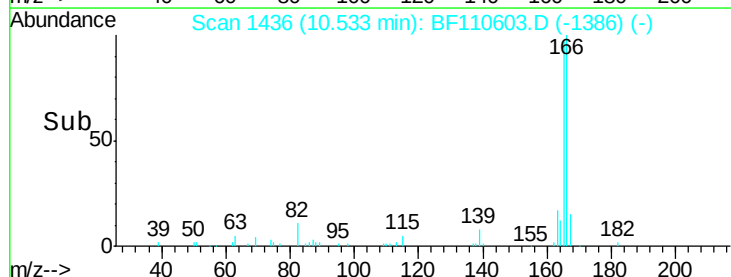
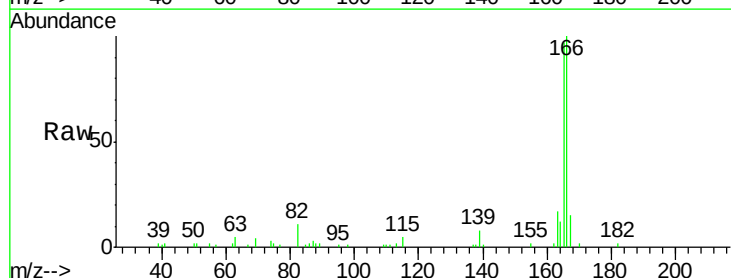
Instrument :
BNA_F
ClientSampleId :

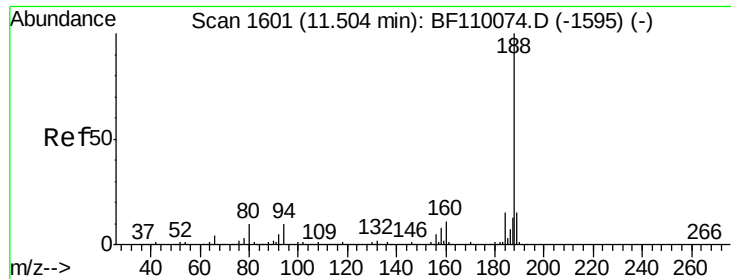
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 2.25 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.6	117.8
167	14.5	10.8	16.2

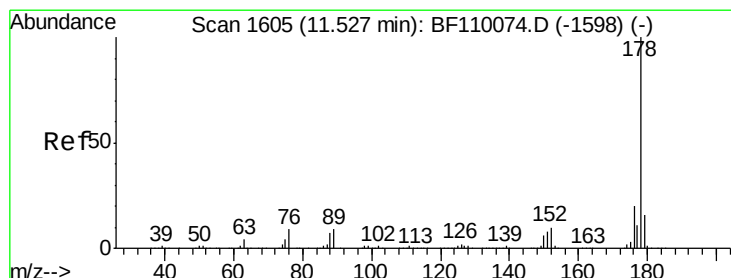
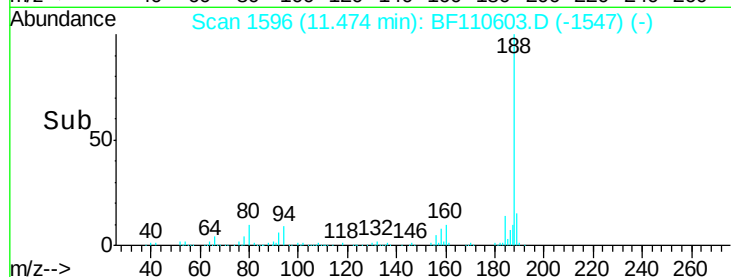
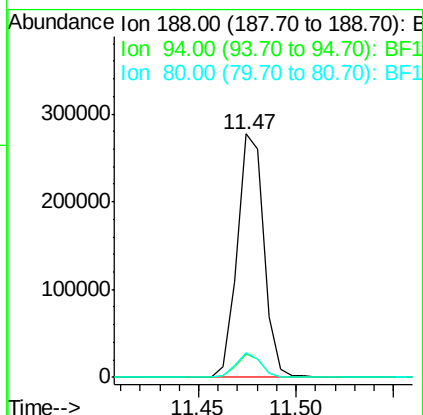
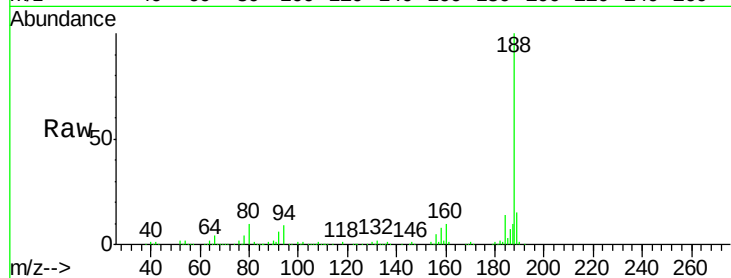




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

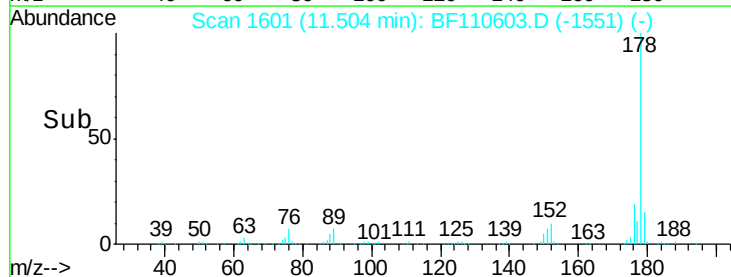
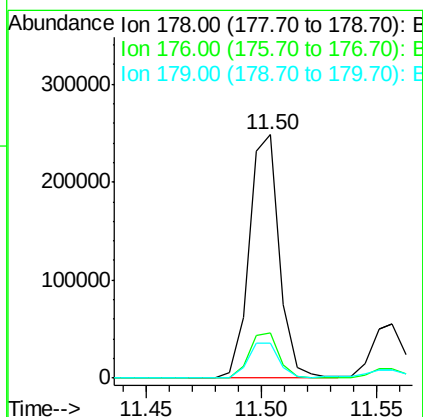
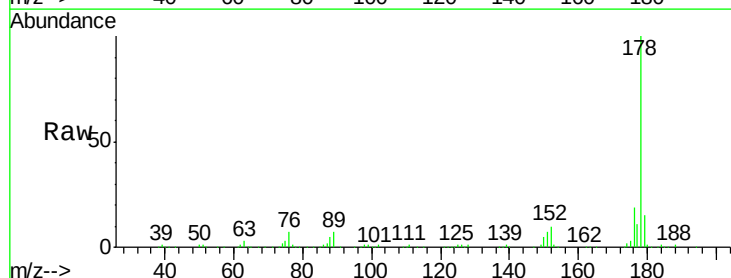
Instrument :
BNA_F
ClientSampleId :

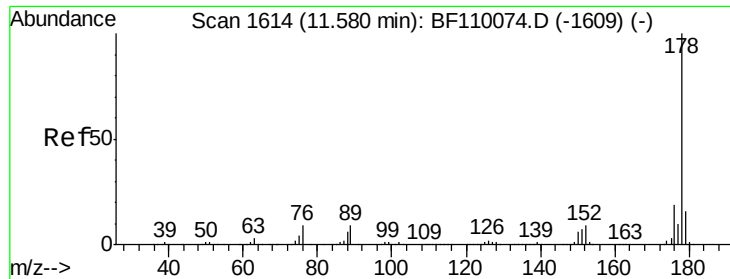
Tot Ion:188 Resp: 262349
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.4 7.9 11.9



#71
Phenanthrene
Concen: 16.12 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion:178 Resp: 226514
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 14.6 12.5 18.7

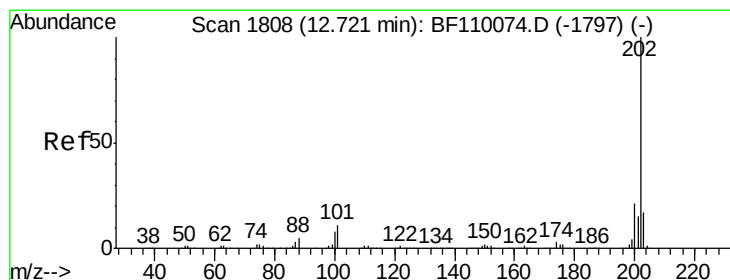
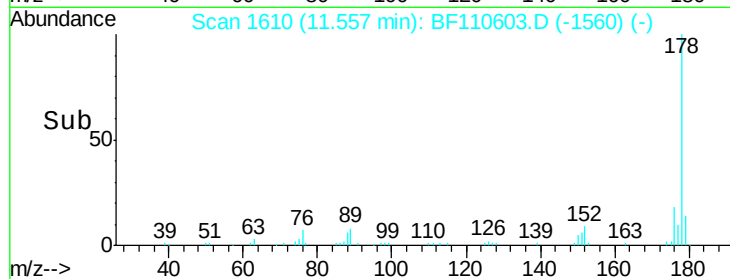
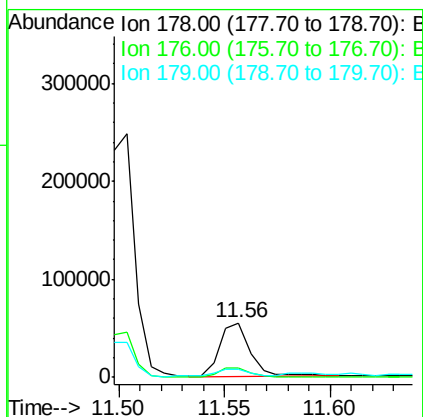
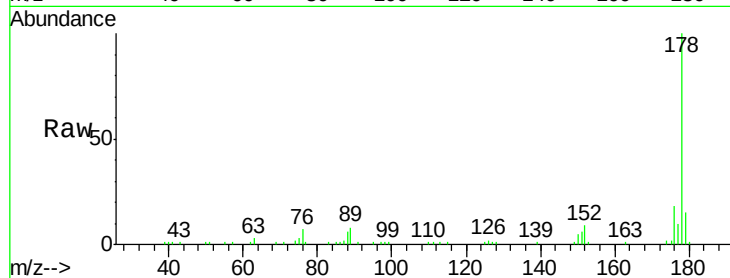




#72
 Anthracene
 Concen: 3.88 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110603.D
 Acq: 8 Nov 2018 23:35

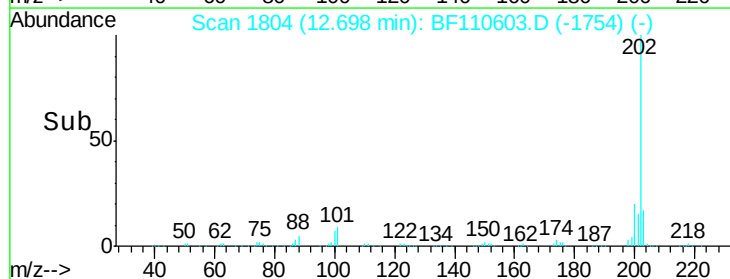
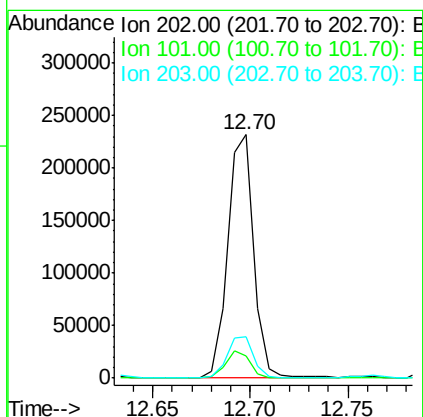
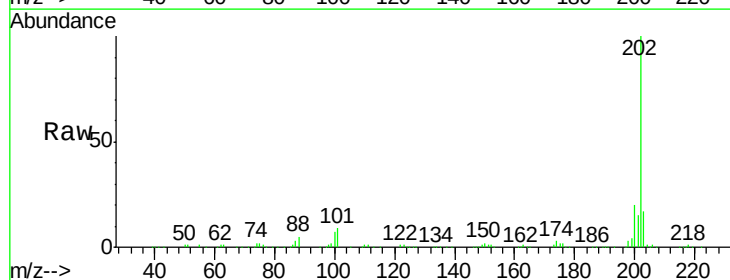
Instrument :
 BNA_F
 ClientSampleId :

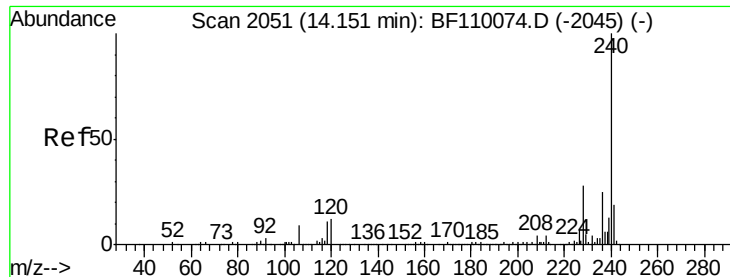
Tot Ion:178 Resp: 54999
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 14.7 12.6 18.8



#75
 Fluoranthene
 Concen: 15.17 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110603.D
 Acq: 8 Nov 2018 23:35

Tgt Ion:202 Resp: 213768
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.4
 203 16.8 0.0 37.7

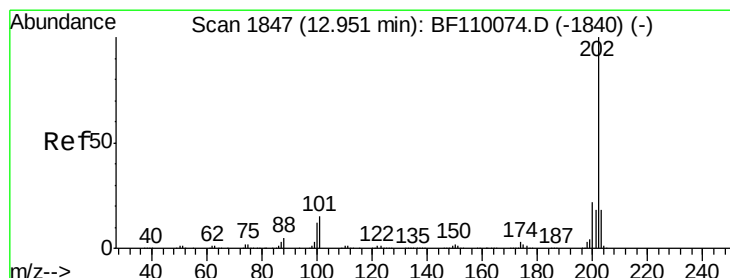
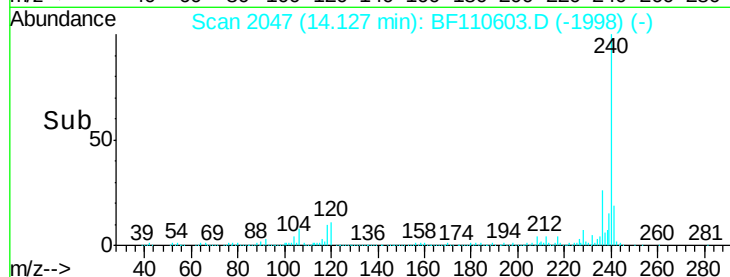
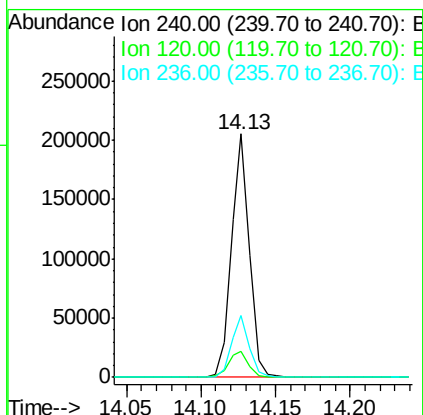
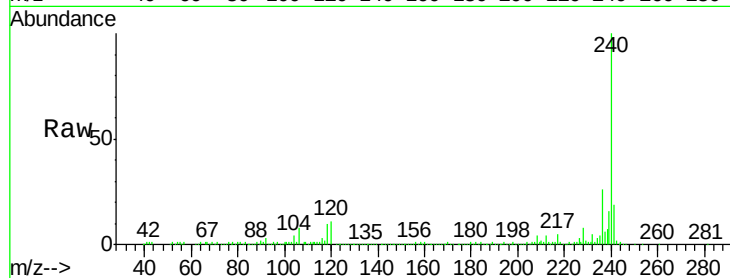




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

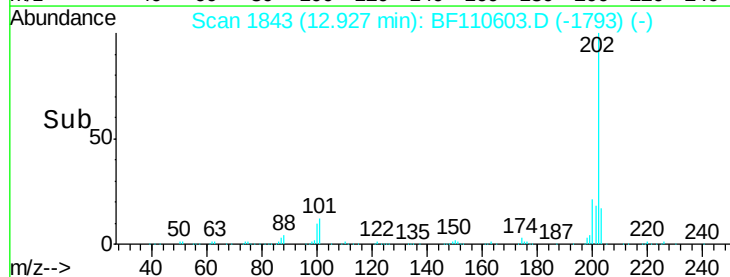
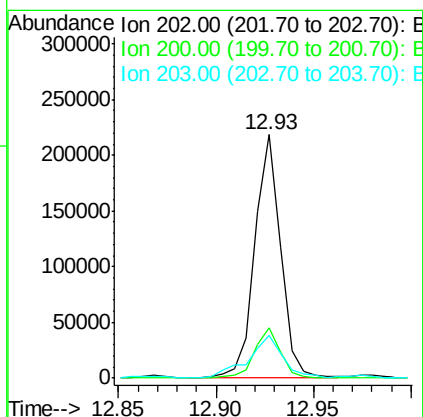
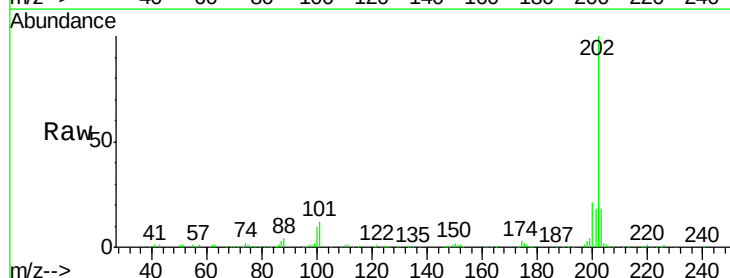
Instrument :
BNA_F
ClientSampled :

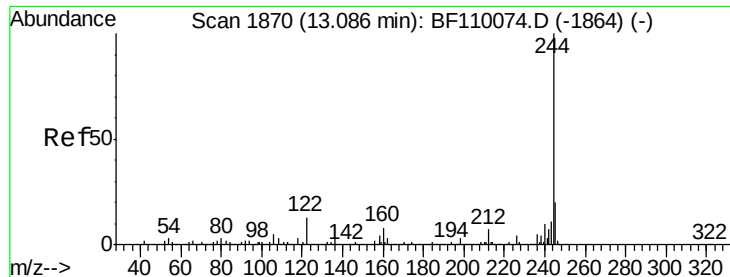
Tot Ion:240 Resp: 175264
Ion Ratio Lower Upper
240 100
120 10.8 8.3 12.5
236 25.6 21.2 31.8



#78
Pyrene
Concen: 14.84 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion:202 Resp: 200328
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 25.25 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

Instrument :

BNA_F

ClientSampleId :

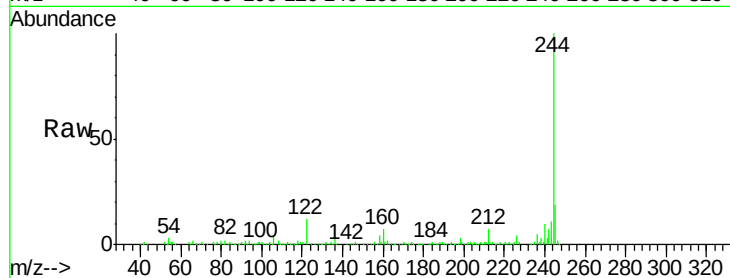
Tot Ion:244 Resp: 236259

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

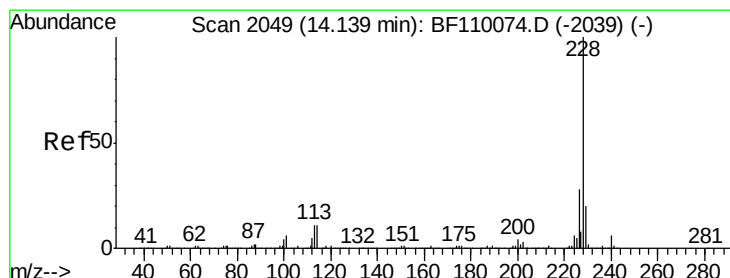
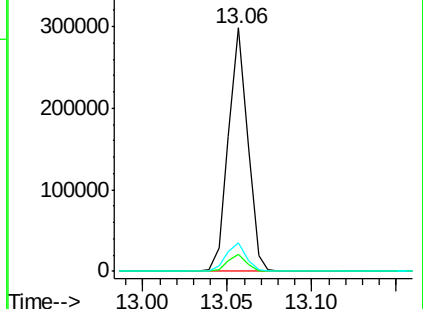
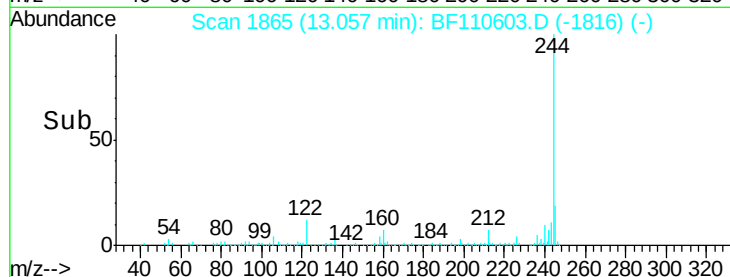
122 11.6 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 7.99 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

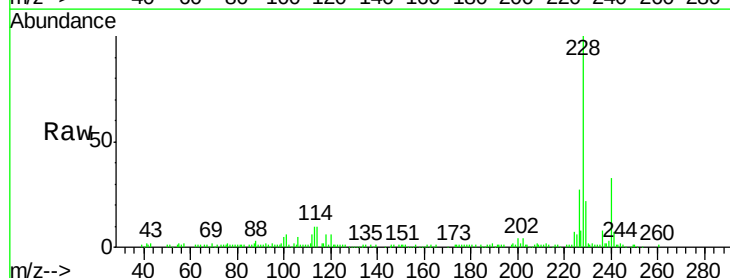
Tgt Ion:228 Resp: 83695

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

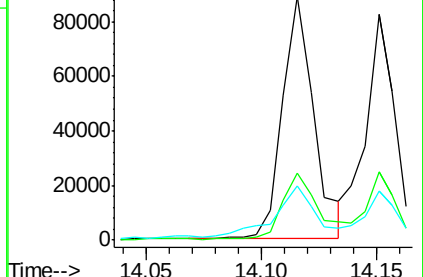
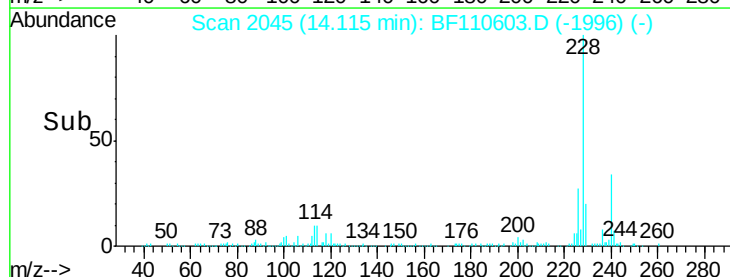
229 22.2 15.6 23.4

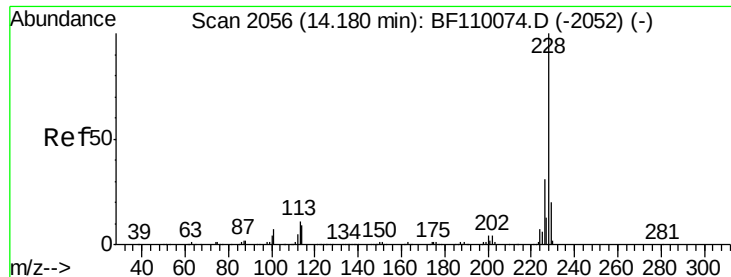


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

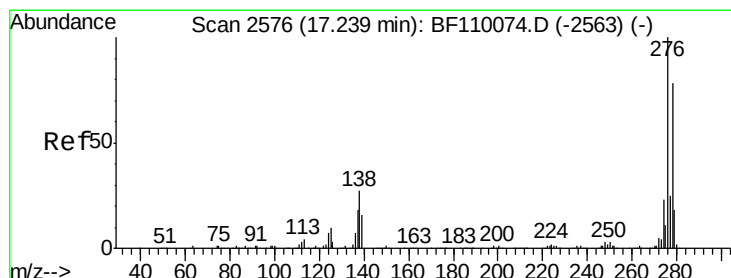
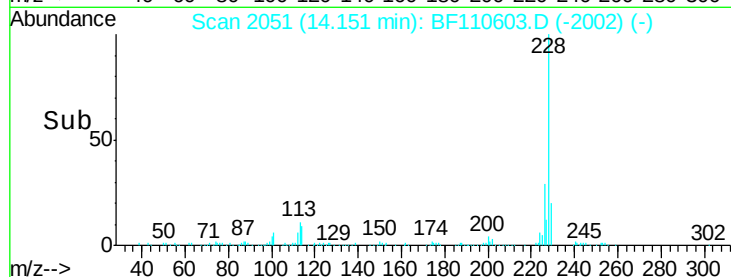
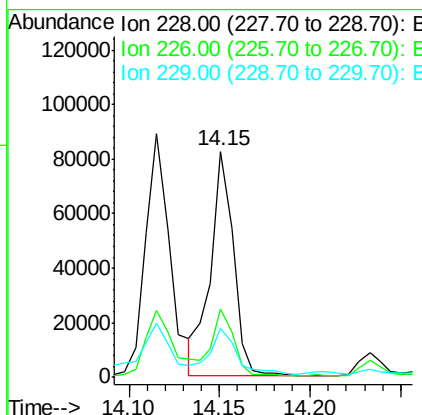
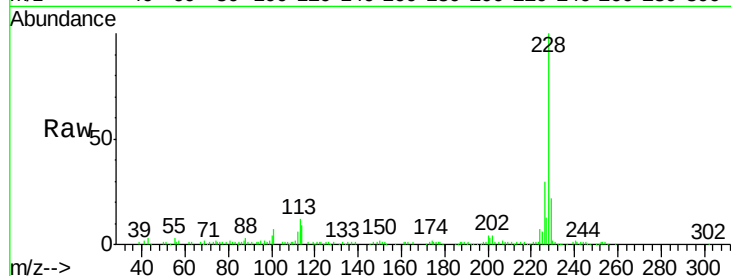




#83
Chrysene
Concen: 7.31 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

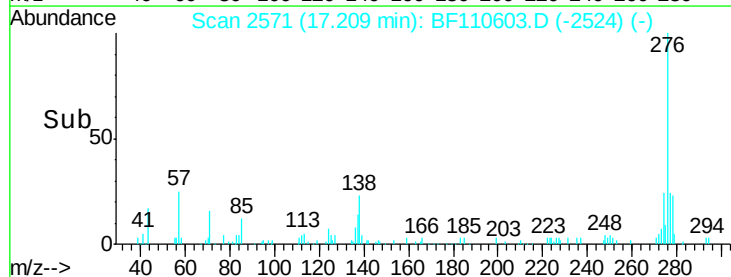
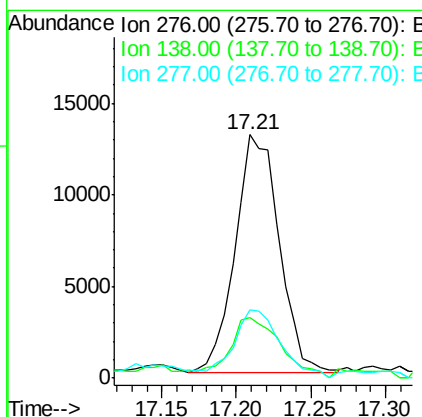
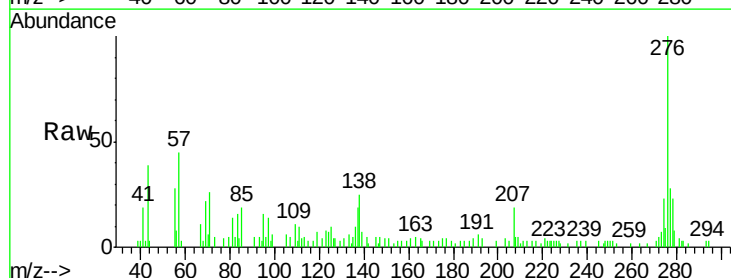
Instrument :
BNA_F
ClientSampled :

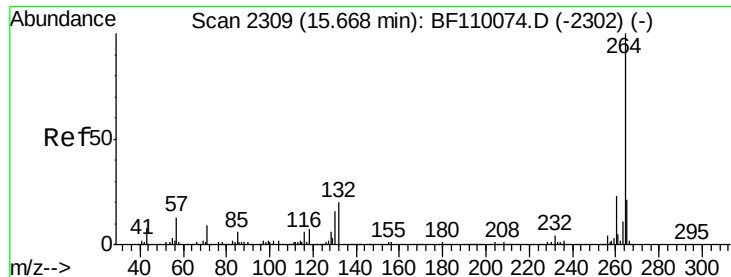
Tot Ion:228 Resp: 72909
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 21.9 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.70 ng
RT: 17.21 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BF110603.D
Acq: 8 Nov 2018 23:35

Tgt Ion:276 Resp: 26532
Ion Ratio Lower Upper
276 100
138 30.7 18.5 27.7#
277 31.4 20.0 30.0#





#87

Pervlene-d12

Concen: 20.00 ng

RT: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

Instrument :

BNA_F

ClientSampleId :

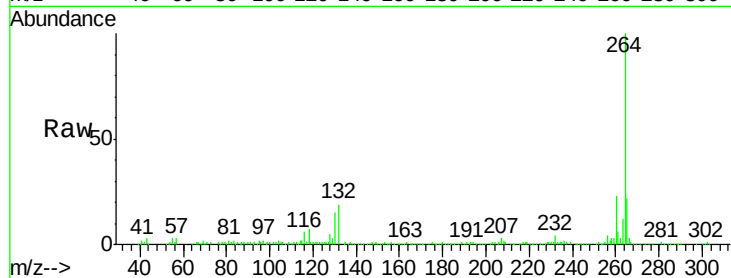
Tot Ion:264 Resp: 165421

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

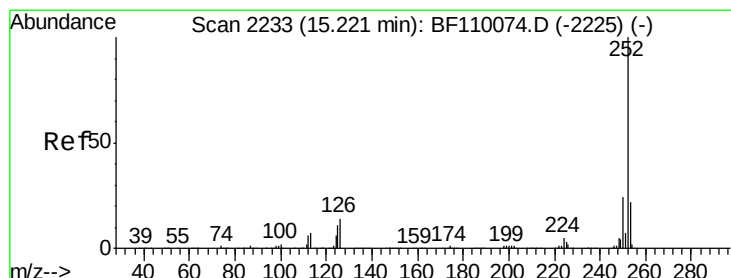
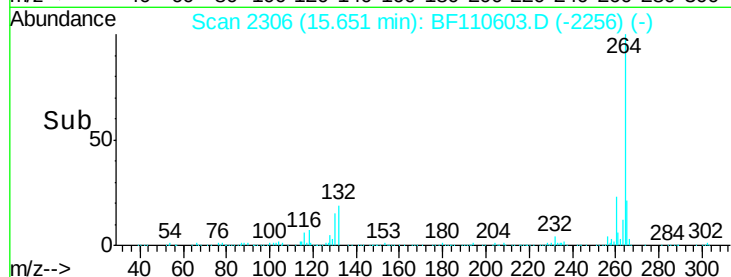
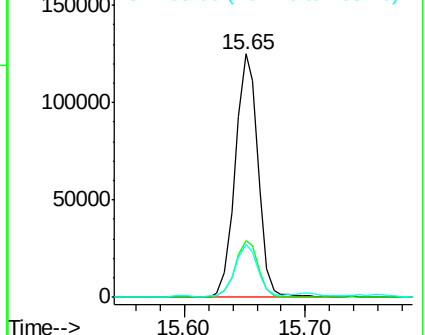
265 21.7 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 10.13 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

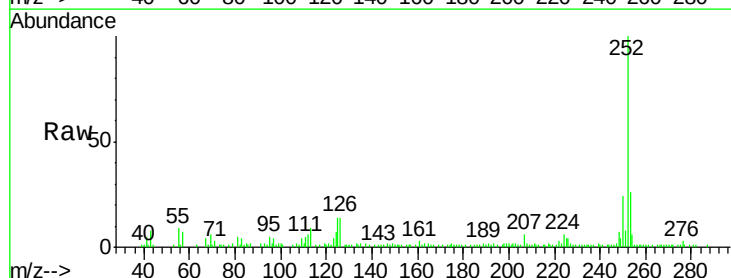
Tgt Ion:252 Resp: 100239

Ion Ratio Lower Upper

252 100

253 26.0 17.2 25.8#

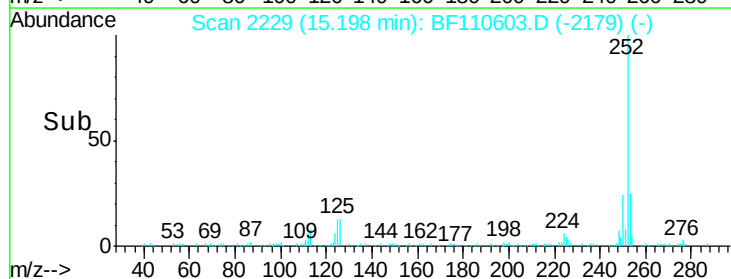
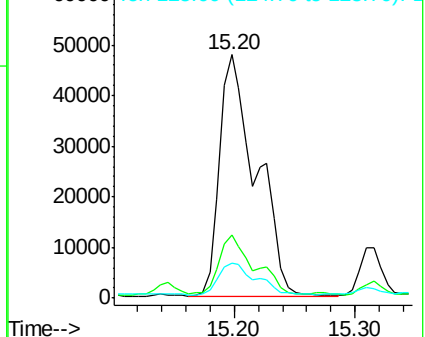
125 14.1 8.2 12.4#

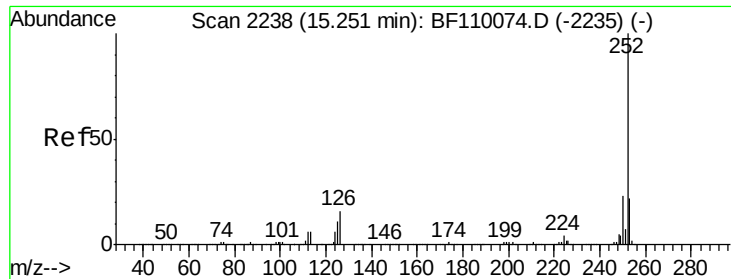


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 10.25 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.04 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

Instrument :

BNA_F

ClientSampleId :

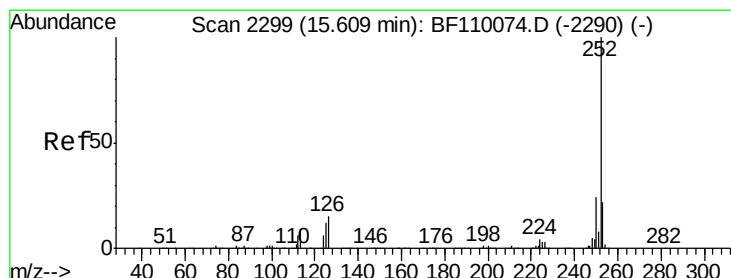
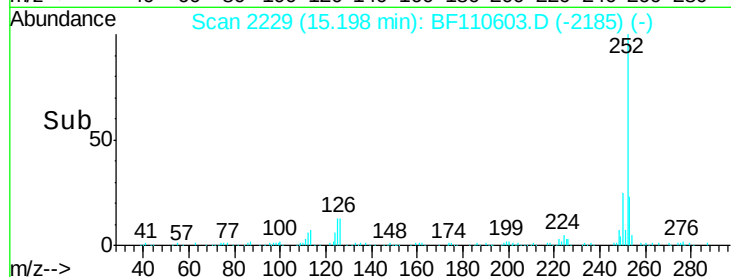
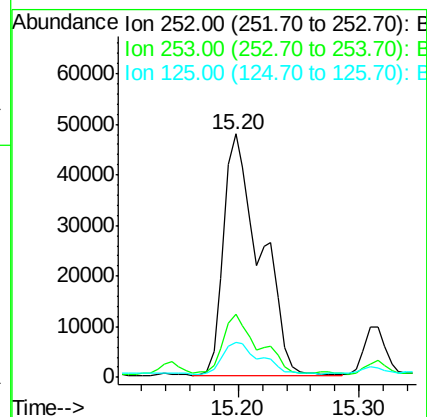
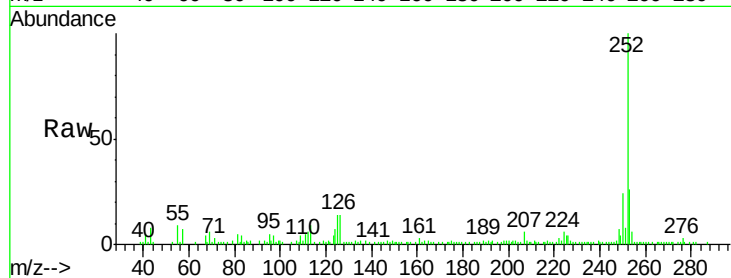
Tot Ion:252 Resp: 100239

Ion Ratio Lower Upper

252 100

253 26.0 17.2 25.8#

125 14.1 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 6.46 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110603.D

Acq: 8 Nov 2018 23:35

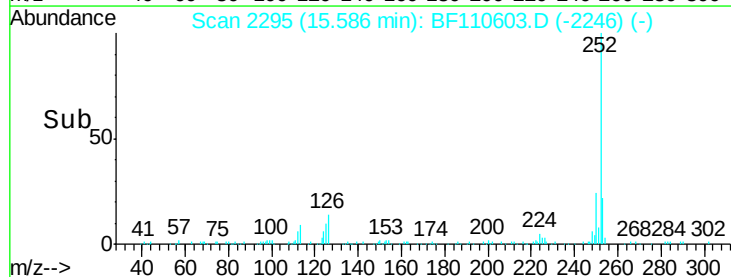
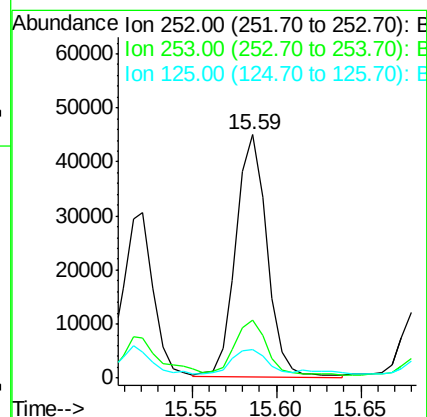
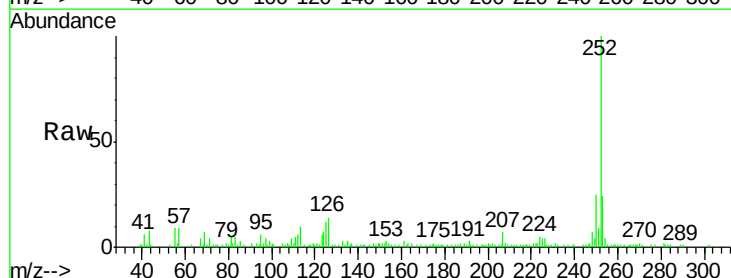
Tgt Ion:252 Resp: 58053

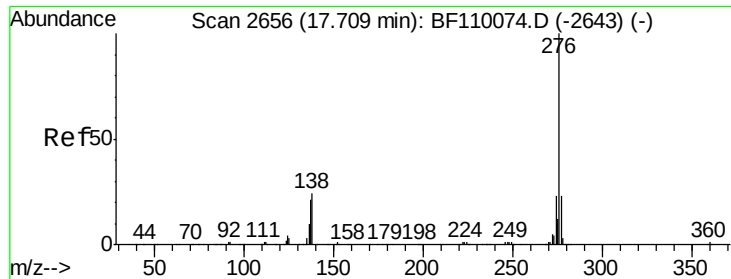
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.4

125 12.0 9.0 13.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.47 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.02 min
 Lab File: BF110603.D
 Acq: 8 Nov 2018 23:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.8	28.2
138	24.7	16.0	24.0

