

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110606.D
 Acq On : 9 Nov 2018 00:56
 Operator : JU/SJ
 Sample : J5858-11 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:44:23 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	82788	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	301386	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	130838	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	209027	20.00	ng	0.00
76) Chrysene-d12	14.13	240	177613	20.00	ng	-0.01
87) Perylene-d12	15.66	264	140928	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	272518	53.47	ng	0.00
7) Phenol-d6	6.56	99	389236	59.72	ng	-0.01
23) Nitrobenzene-d5	7.51	82	230143	43.98	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	44246	33.56	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	393923	43.00	ng	0.00
79) Terphenyl-d14	13.06	244	326427	34.42	ng	-0.01

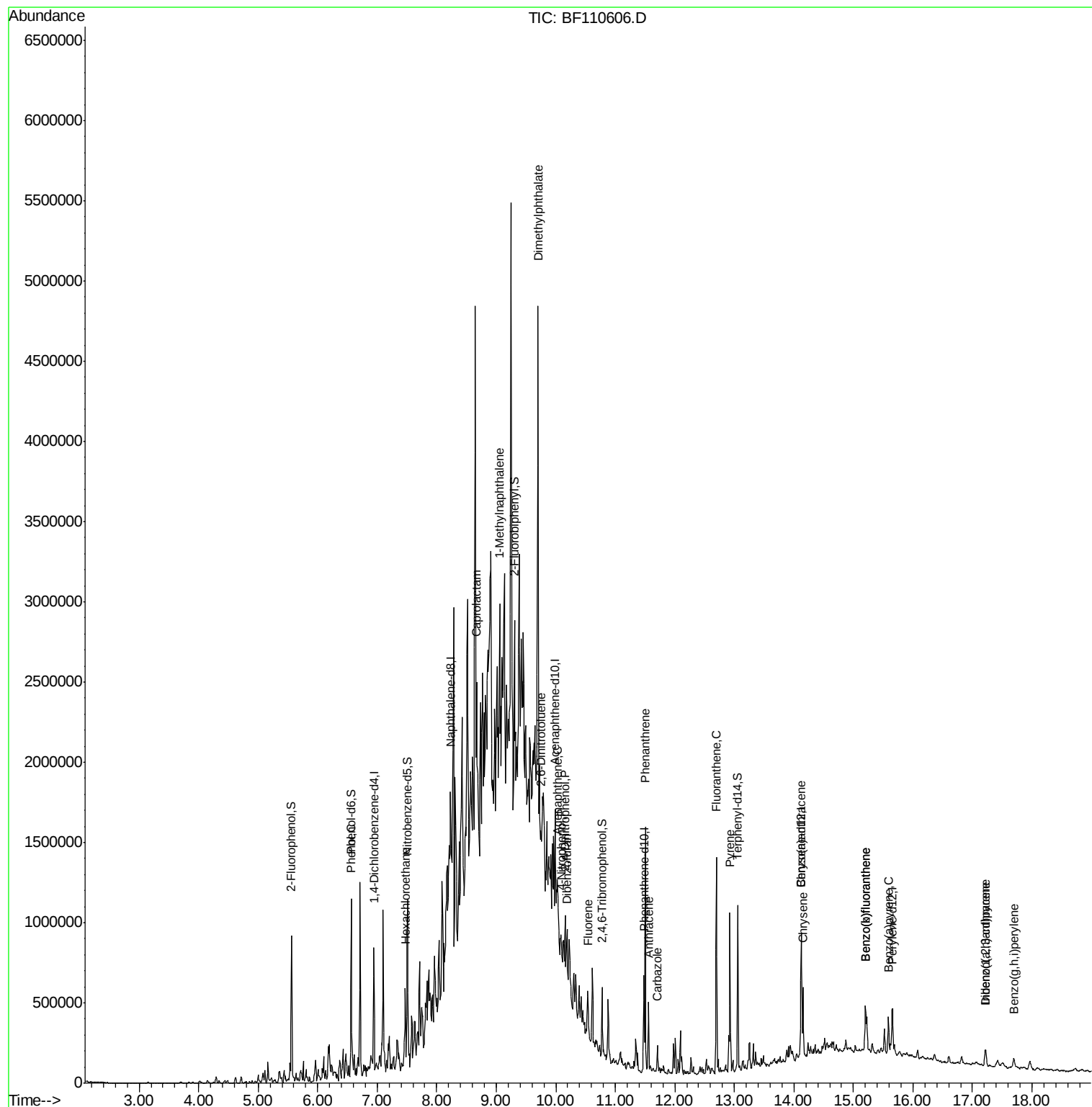
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	1592	Below Cal	#	25
10) Phenol	6.57	94	21897	2.90	ng	80
18) Hexachloroethane	7.47	117	18344	7.48	ng	# 1
35) Caprolactam	8.67	113	12644	9.03	ng	# 1
38) 1-Methylnaphthalene	9.05	142	32482	3.64	ng	# 68
50) Dimethylphthalate	9.69	163	33911	3.47	ng	# 76
51) 2,6-Dinitrotoluene	9.75	165	6030	2.81	ng	# 50
52) Acenaphthene	10.03	154	34565	4.32	ng	# 85
54) 2,4-Dinitrophenol	10.16	184	286	5.02	ng	# 1
55) Dibenzofuran	10.20	168	38294	3.27	ng	95
56) 4-Nitrophenol	10.09	139	4765	2.89	ng	# 13
58) Fluorene	10.54	166	72006	8.01	ng	# 95
71) Phenanthrene	11.50	178	537813	48.03	ng	99
72) Anthracene	11.56	178	164832	14.59	ng	98
73) Carbazole	11.71	167	57904	5.34	ng	99
75) Fluoranthene	12.70	202	493468	43.95	ng	99
78) Pyrene	12.93	202	424024	31.01	ng	99
81) Benzo(a)anthracene	14.12	228	196598	18.52	ng	99
83) Chrysene	14.16	228	159285	15.75	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	50189	6.92	ng	98
88) Benzo(b)fluoranthene	15.20	252	210607	24.98	ng	# 96
89) Benzo(k)fluoranthene	15.20	252	210607	25.28	ng	# 95
90) Benzo(a)pyrene	15.59	252	108798	14.20	ng	98
91) Dibenzo(a,h)anthracene	17.23	278	14946	2.31	ng	# 81
92) Benzo(g,h,i)perylene	17.70	276	47247	7.35	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
Data File : BF110606.D
Acq On : 9 Nov 2018 00:56
Operator : JU/SJ
Sample : J5858-11 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 09 08:44:23 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



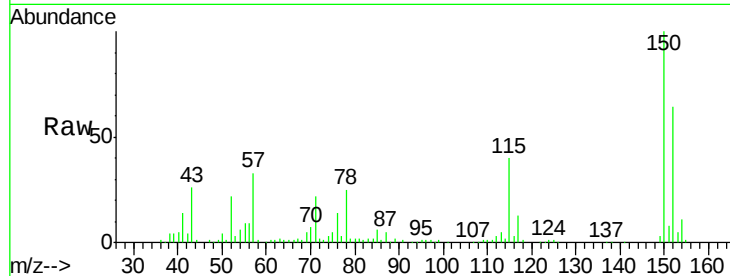


#1

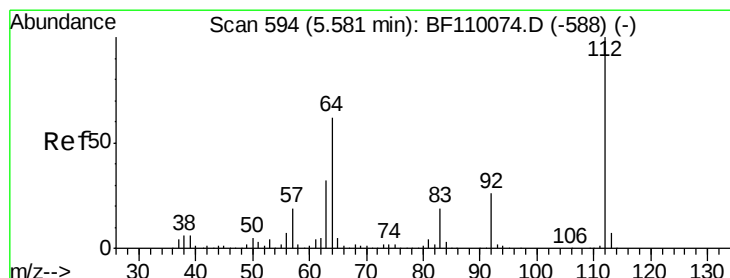
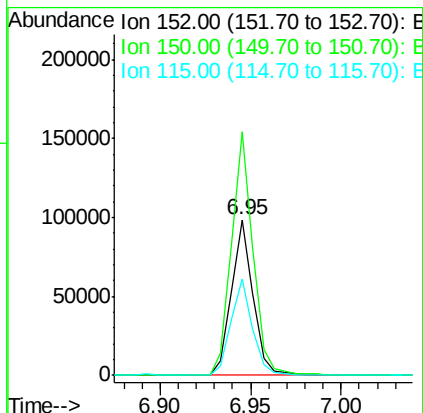
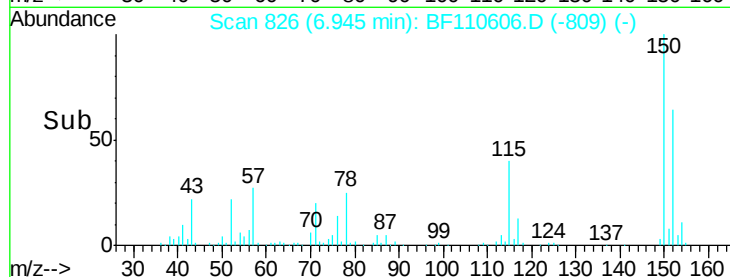
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82788
Ion Ratio Lower Upper
152 100
150 156.4 122.7 184.1
115 62.1 49.1 73.7



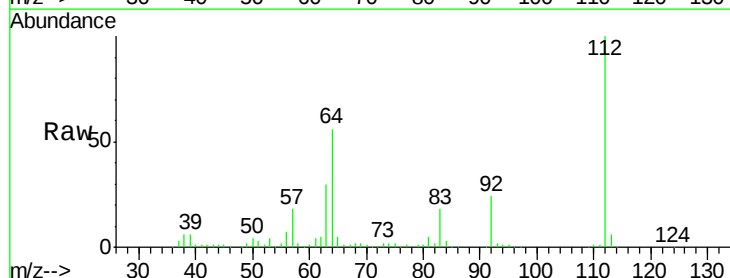
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



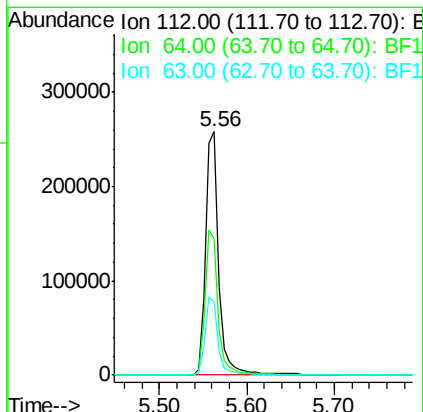
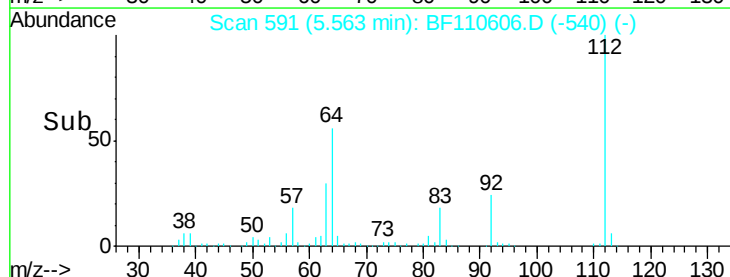
#5

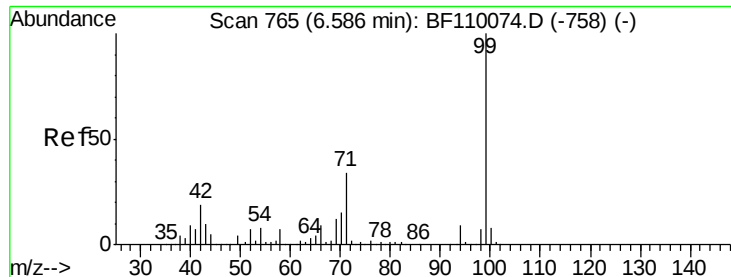
2-Fluorophenol
Concen: 53.47 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion:112 Resp: 272518
Ion Ratio Lower Upper
112 100
64 55.9 44.1 66.1
63 30.0 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: 59.72 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampled :

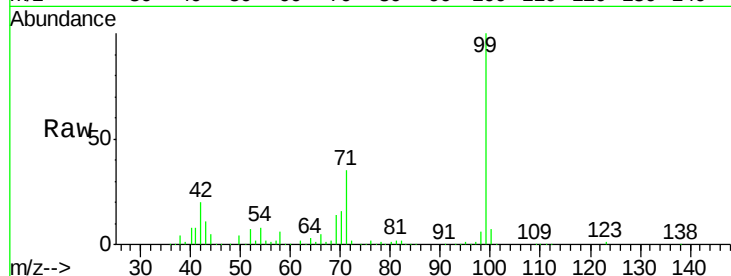
Tot Ion: 99 Resp: 389236

Ion Ratio Lower Upper

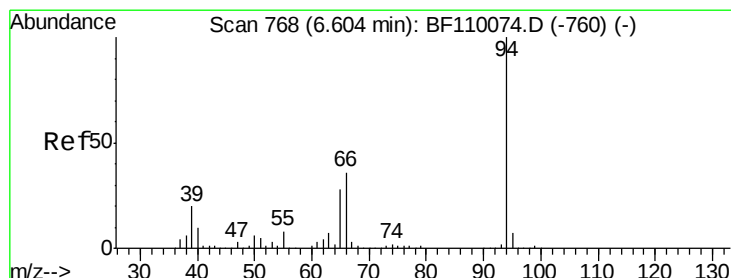
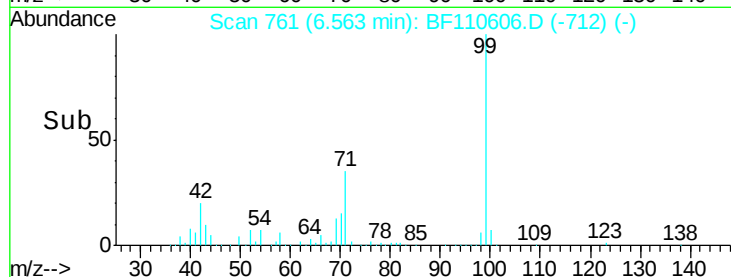
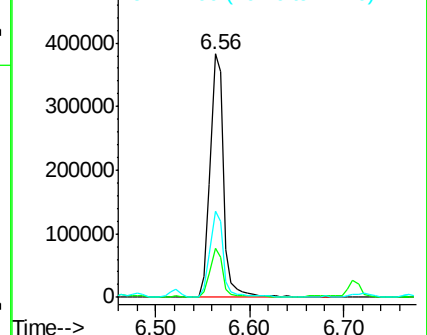
99 100

42 20.2 15.8 23.6

71 35.4 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: 2.90 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

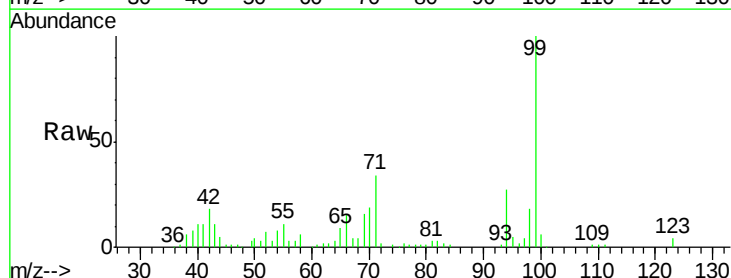
Tgt Ion: 94 Resp: 21897

Ion Ratio Lower Upper

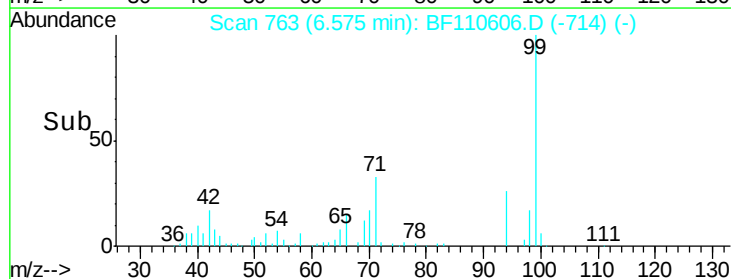
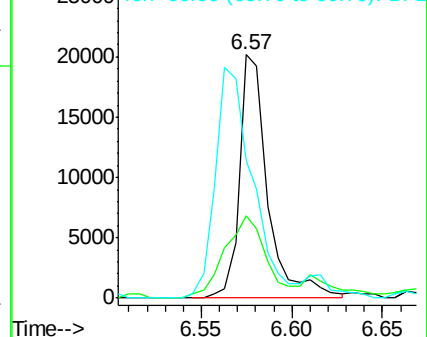
94 100

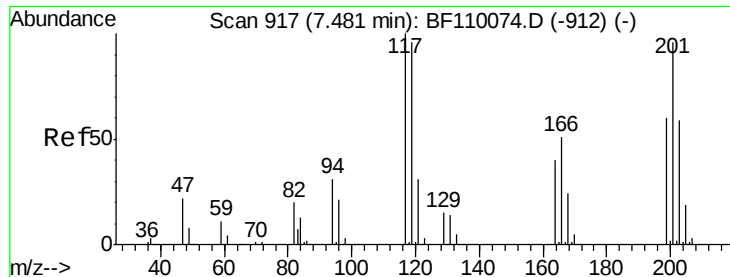
65 33.6 25.3 65.3

66 56.2 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

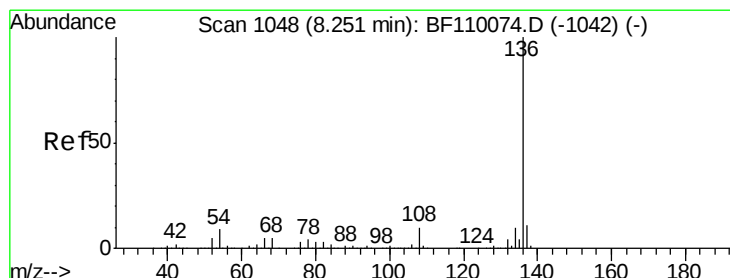
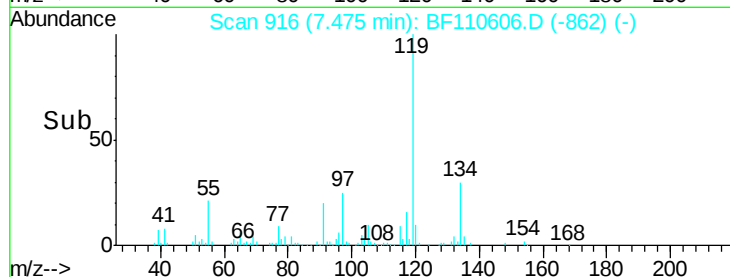
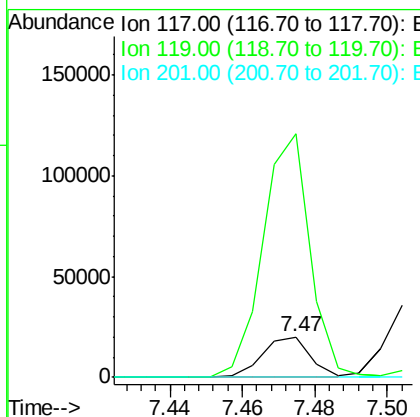
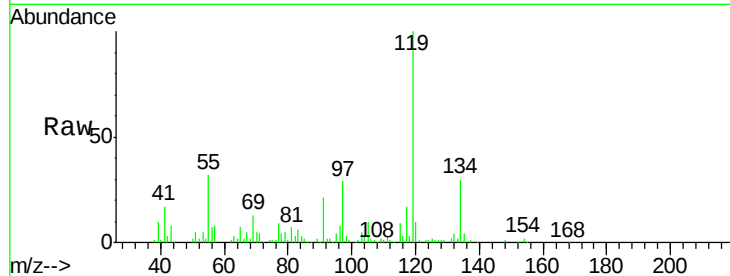




#18
Hexachloroethane
Concen: 7.48 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.02 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

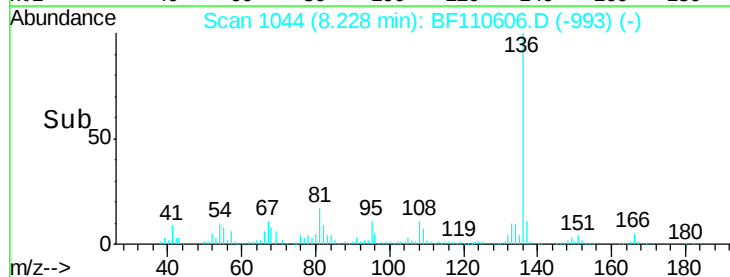
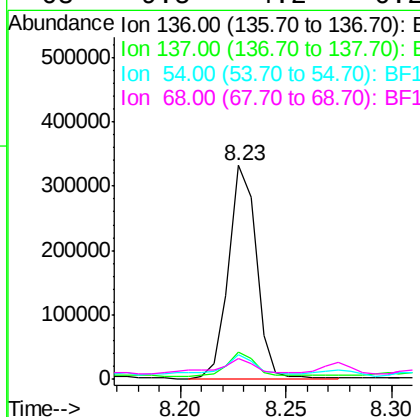
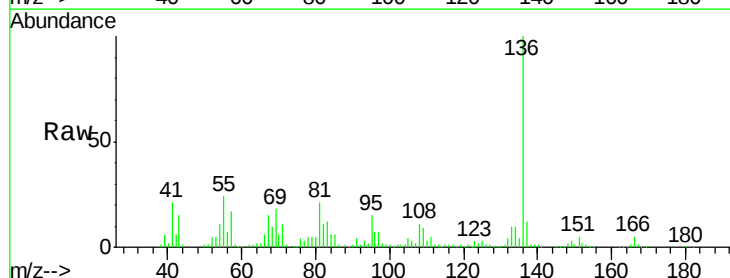
Instrument :
BNA_F
ClientSampleId :

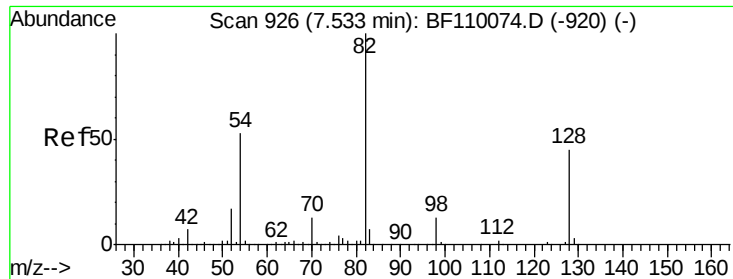
Tot Ion:117 Resp: 18344
Ion Ratio Lower Upper
117 100
119 603.7 75.0 112.6#
201 0.0 79.2 118.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion:136 Resp: 301386
Ion Ratio Lower Upper
136 100
137 12.4 8.8 13.2
54 11.1 5.4 8.2#
68 9.5 4.2 6.2#

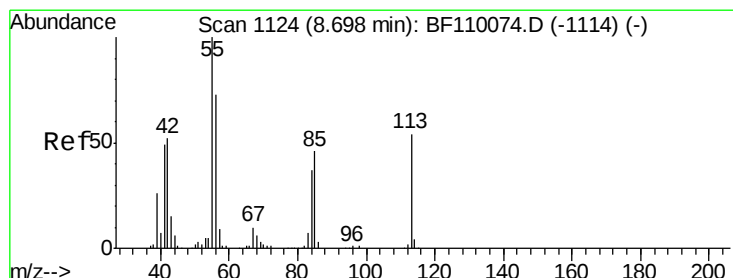
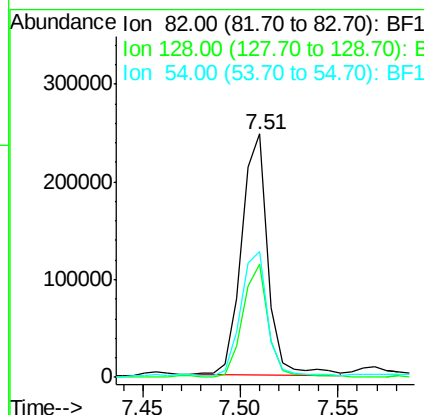
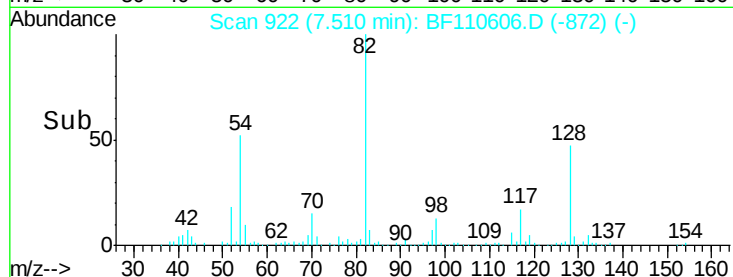
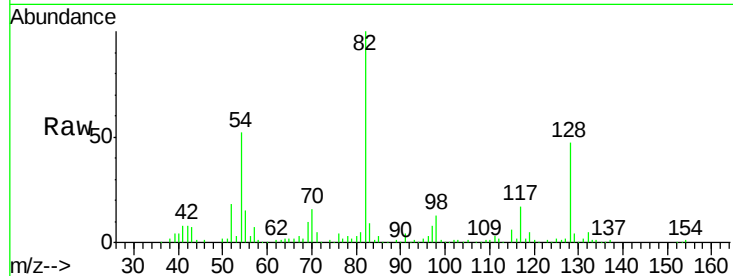




#23
 Nitrobenzene-d5
 Concen: 43.98 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

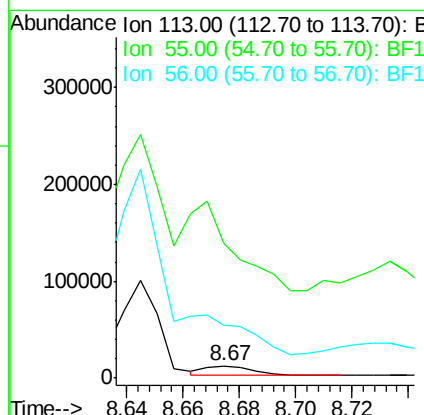
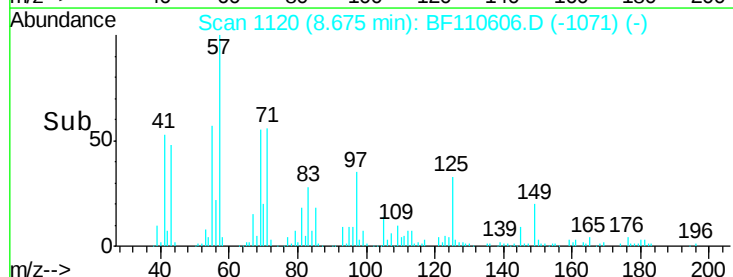
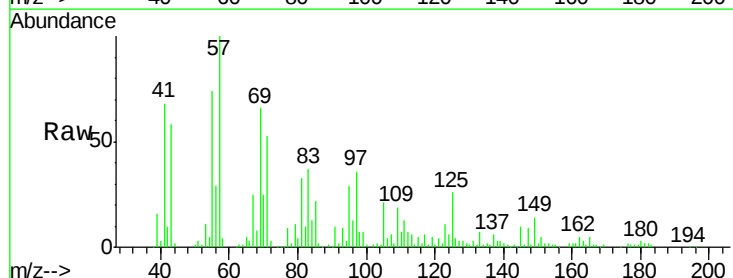
Instrument :
 BNA_F
 ClientSampleId :

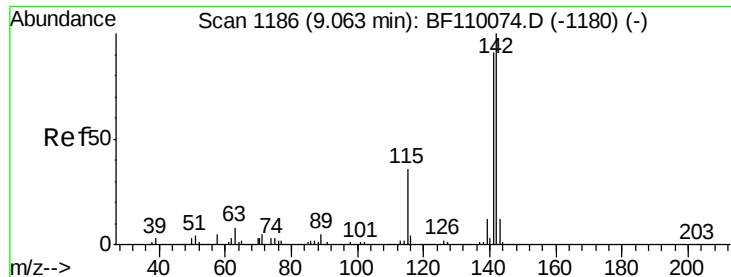
Tot Ion: 82 Resp: 230143
 Ion Ratio Lower Upper
 82 100
 128 46.6 34.2 51.2
 54 51.7 38.6 58.0



#35
 Caprolactam
 Concen: 9.03 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion: 113 Resp: 12644
 Ion Ratio Lower Upper
 113 100
 55 1134.9 142.8 182.8#
 56 440.5 105.0 145.0#

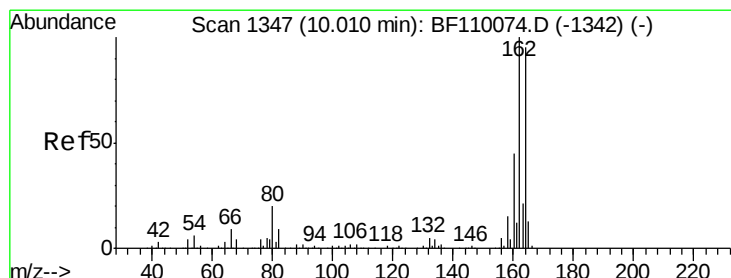
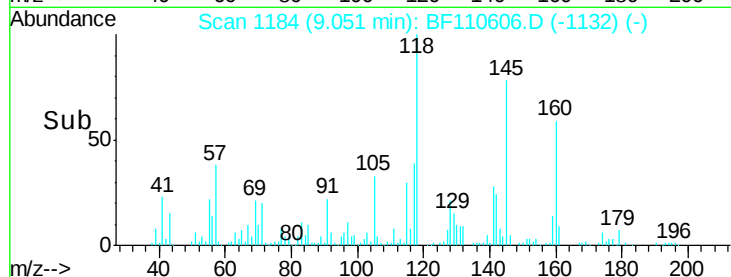
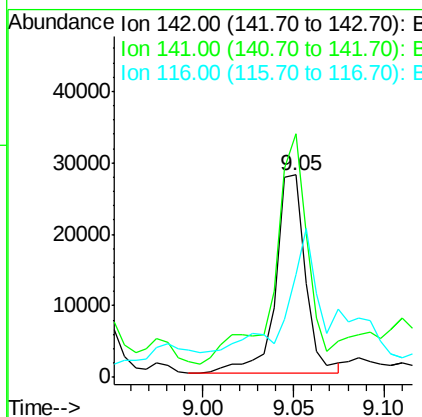
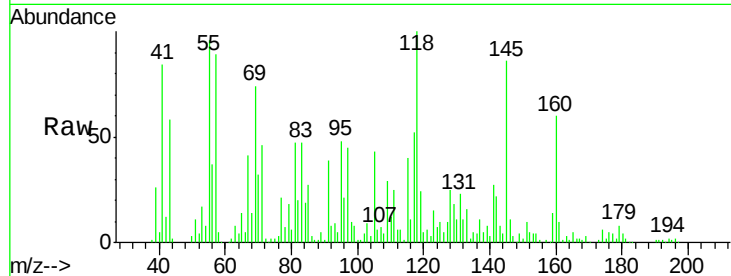




#38
1-Methylnaphthalene
Concen: 3.64 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

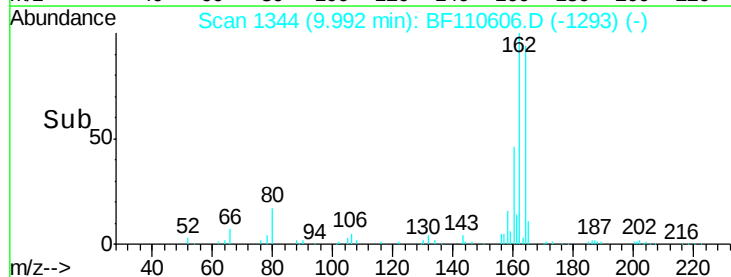
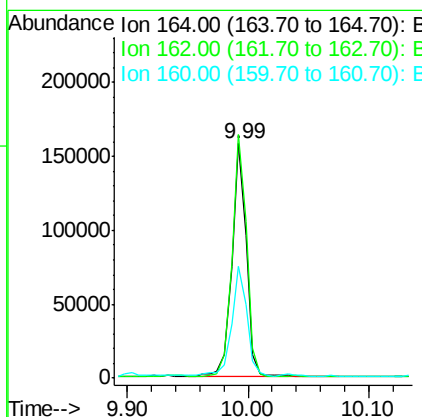
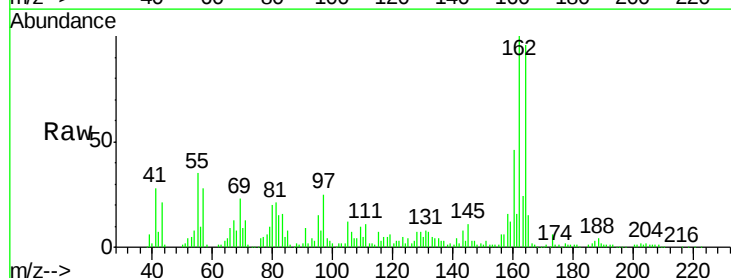
Instrument :
BNA_F
ClientSampleId :

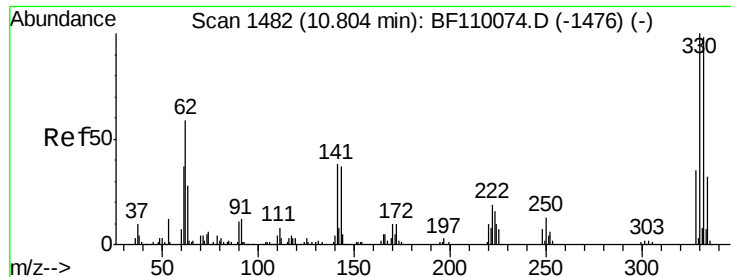
Tot Ion:142 Resp: 32482
Ion Ratio Lower Upper
142 100
141 120.2 74.2 111.4#
116 50.7 2.6 4.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion:164 Resp: 130838
Ion Ratio Lower Upper
164 100
162 103.9 83.0 124.6
160 47.8 37.0 55.6

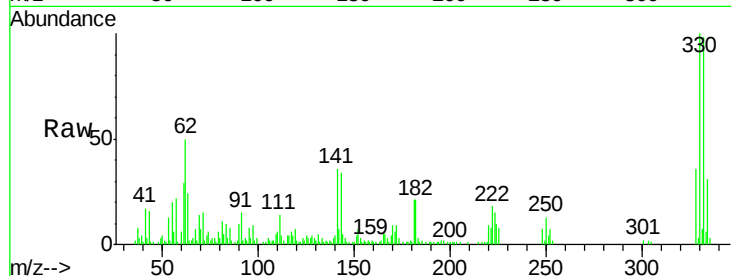




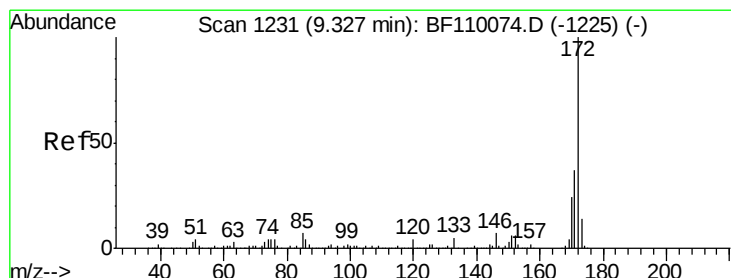
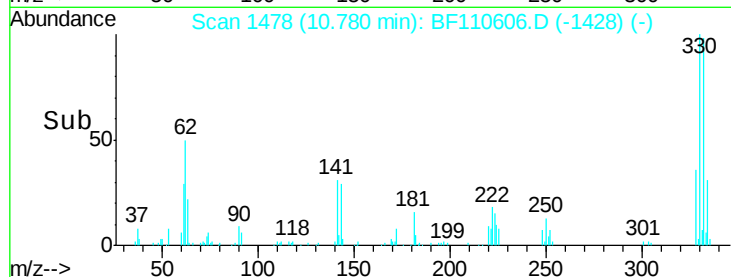
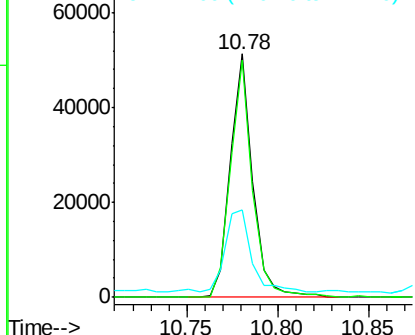
#42
 2,4,6-Tribromophenol
 Concen: 33.56 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 44246
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.1 115.7
 141 39.9 27.0 40.4

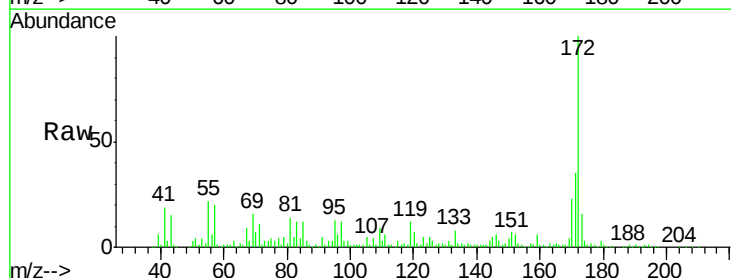


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

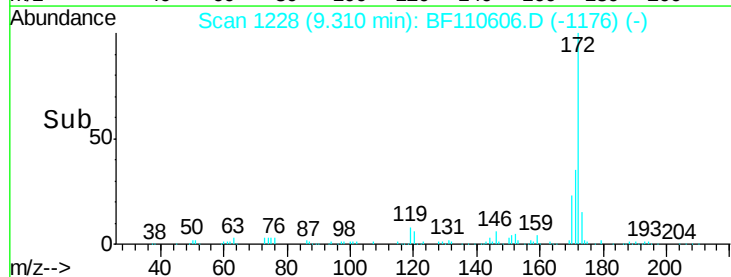
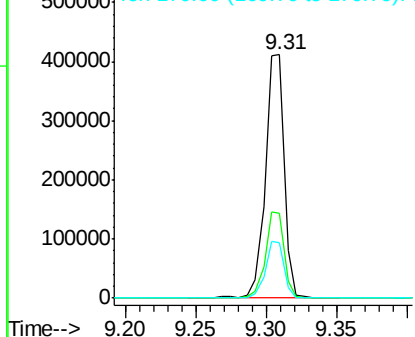


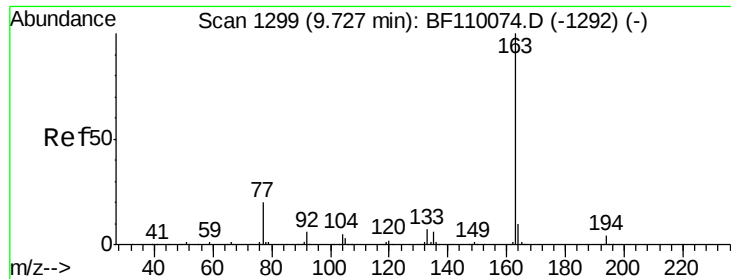
#45
 2-Fluorobiphenyl
 Concen: 43.00 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion:172 Resp: 393923
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.0 19.7 29.5



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

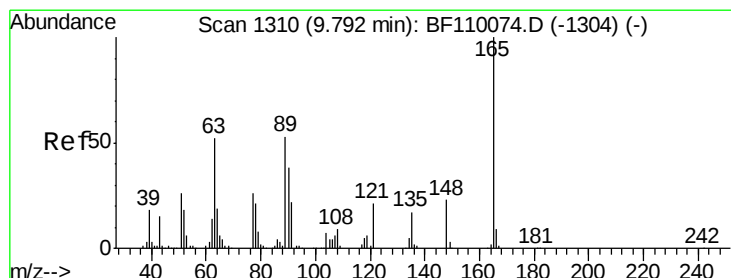
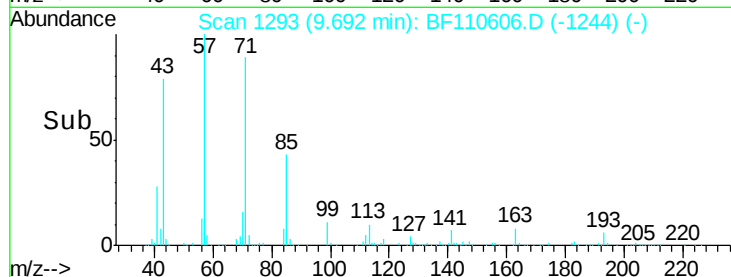
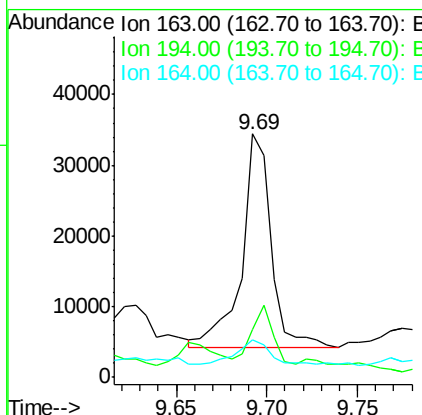
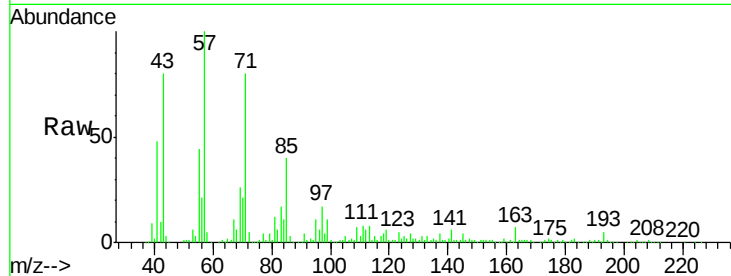




#50
Dimethylphthalate
Concen: 3.47 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

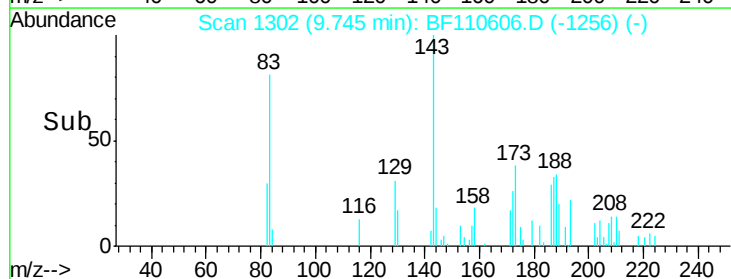
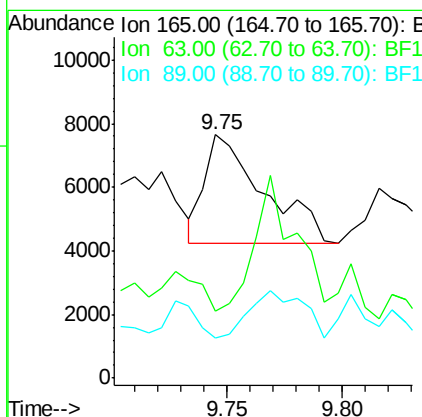
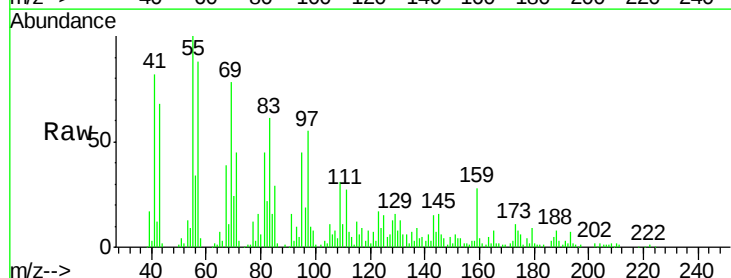
Instrument :
BNA_F
ClientSampleId :

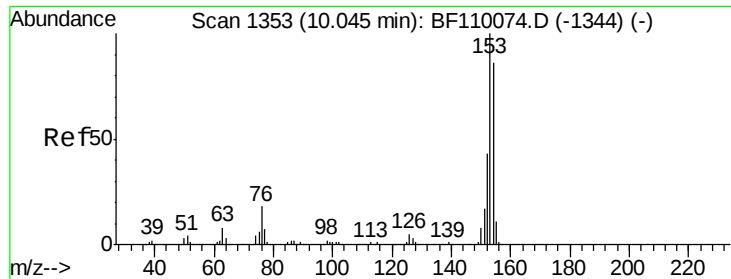
Tot Ion:163 Resp: 33911
Ion Ratio Lower Upper
163 100
194 19.7 3.2 4.8#
164 15.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 2.81 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion:165 Resp: 6030
Ion Ratio Lower Upper
165 100
63 27.4 48.9 73.3#
89 16.2 46.6 69.8#





#52

Acenaphthene

Concen: 4.32 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampleId :

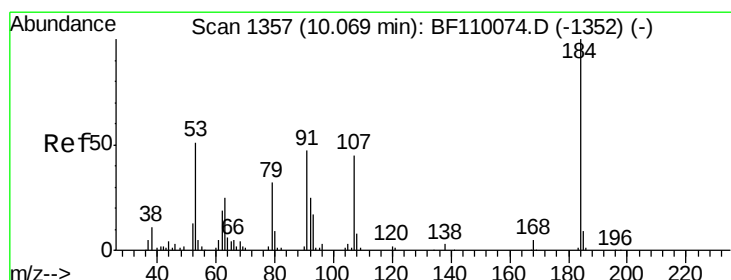
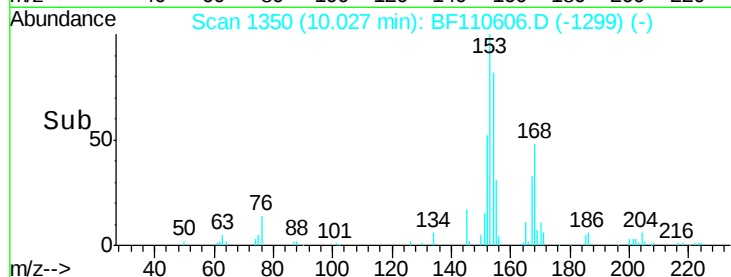
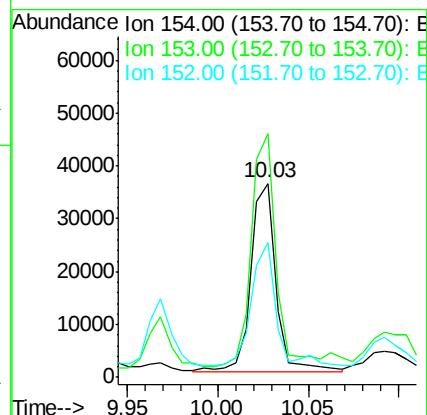
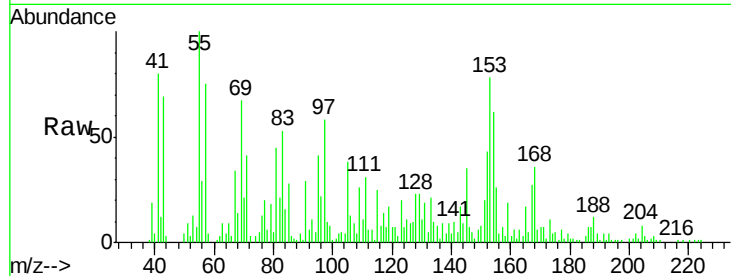
Tot Ion:154 Resp: 34565

Ion Ratio Lower Upper

154 100

153 125.5 90.1 135.1

152 69.3 43.4 65.2#



#54

2,4-Dinitrophenol

Concen: 5.02 ng

RT: 10.16 min Scan# 1373

Delta R.T. 0.10 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

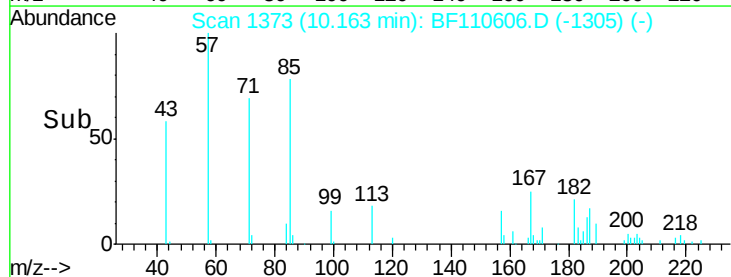
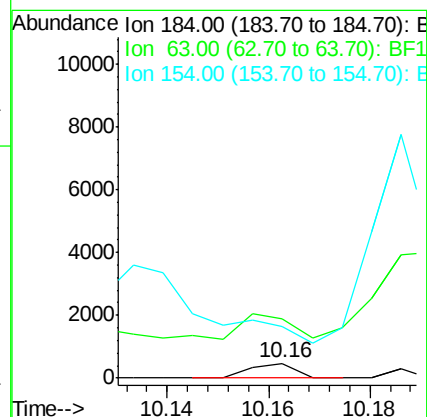
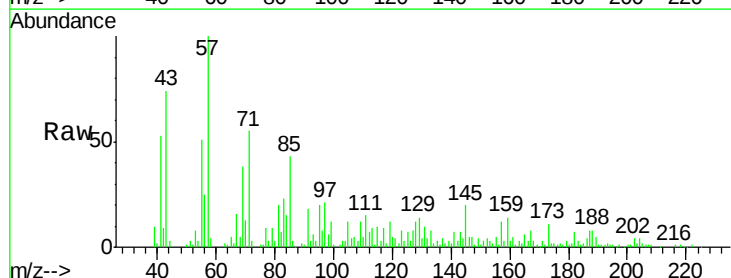
Tgt Ion:184 Resp: 286

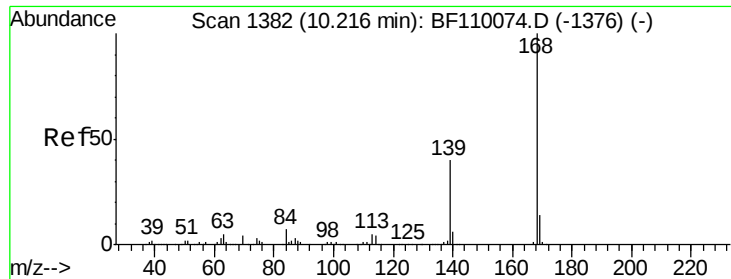
Ion Ratio Lower Upper

184 100

63 409.1 55.8 83.6#

154 352.1 63.2 94.8#





#55

Dibenzofuran

Concen: 3.27 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampleId :

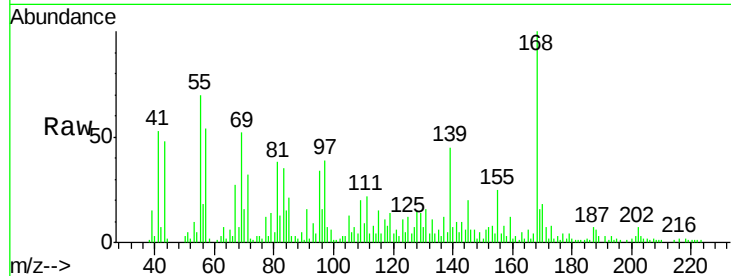
Tot Ion:168 Resp: 38294

Ion Ratio Lower Upper

168 100

139 44.6 33.0 49.6

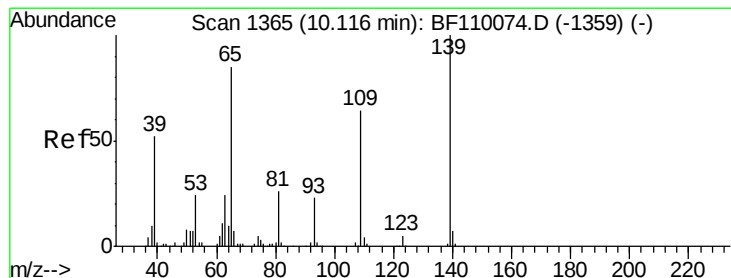
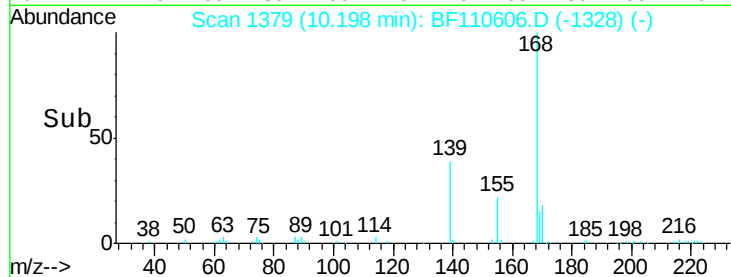
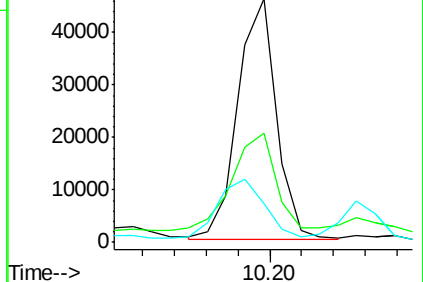
169 16.1 11.3 16.9



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



#56

4-Nitrophenol

Concen: 2.89 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.02 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

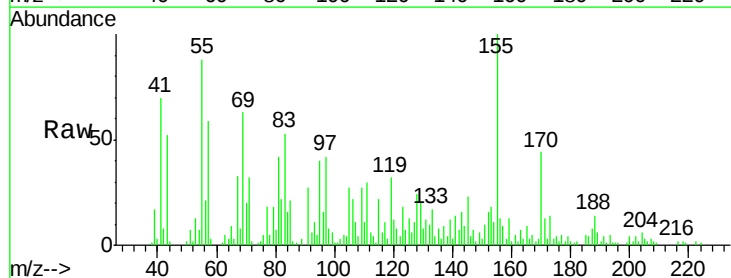
Tgt Ion:139 Resp: 4765

Ion Ratio Lower Upper

139 100

109 225.4 55.8 95.8#

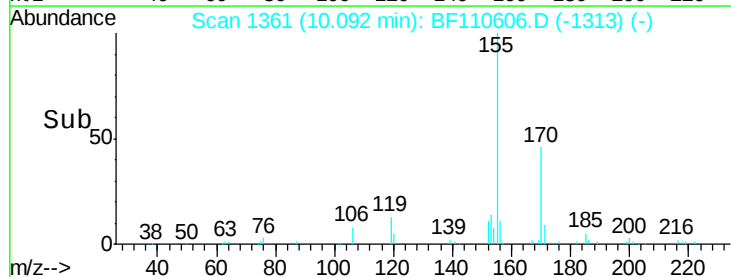
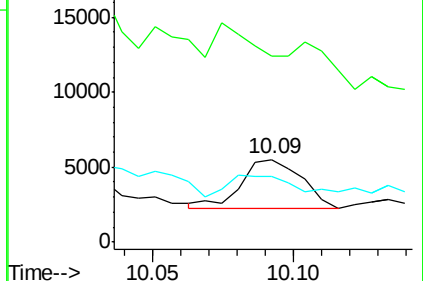
65 78.7 77.9 117.9

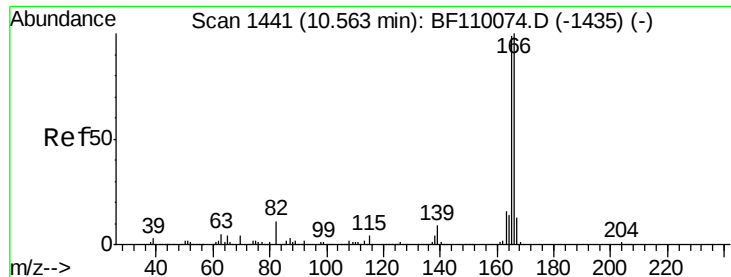


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 8.01 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampleId :

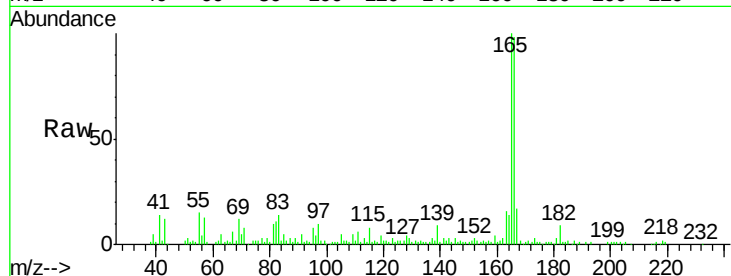
Tot Ion:166 Resp: 72006

Ion Ratio Lower Upper

166 100

165 102.1 78.6 117.8

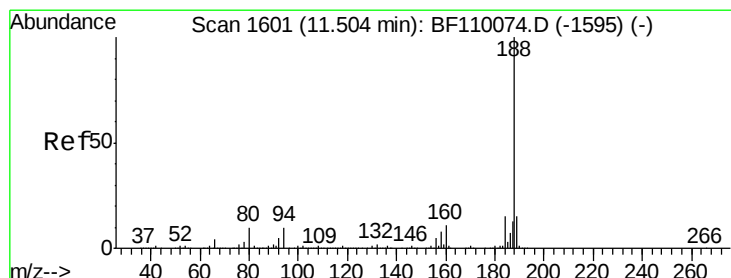
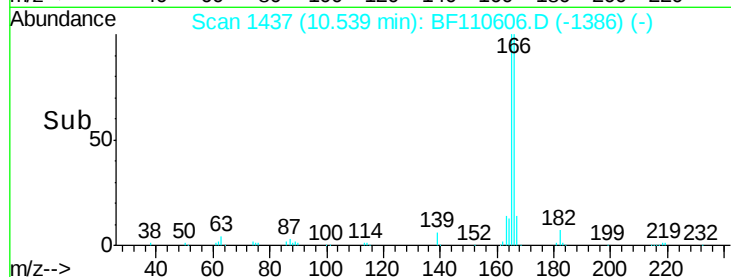
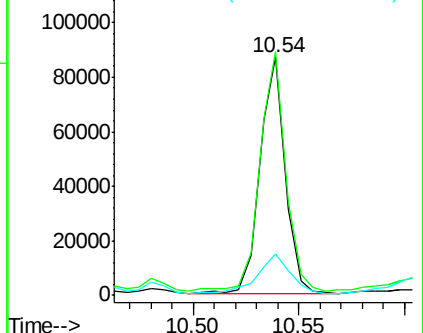
167 17.4 10.8 16.2#



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



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

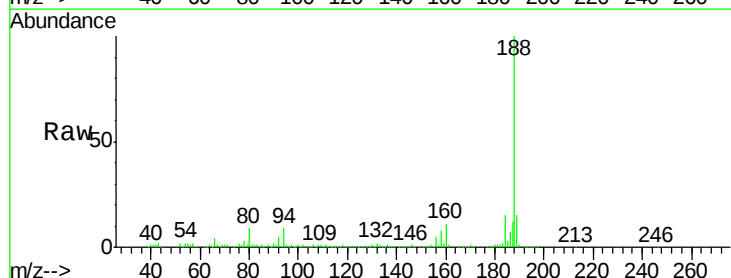
Tgt Ion:188 Resp: 209027

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

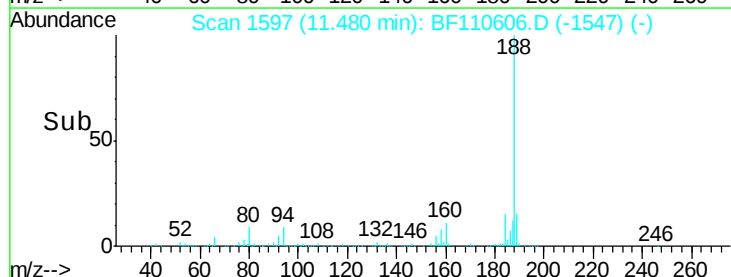
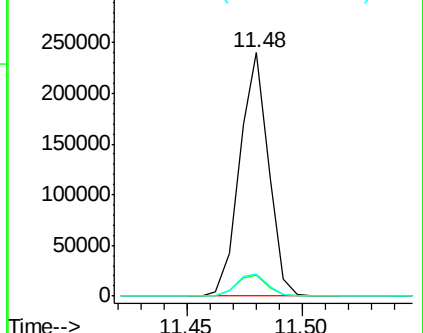
80 8.9 7.9 11.9

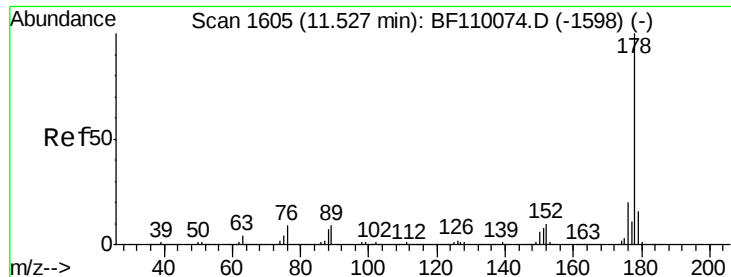


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 48.03 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

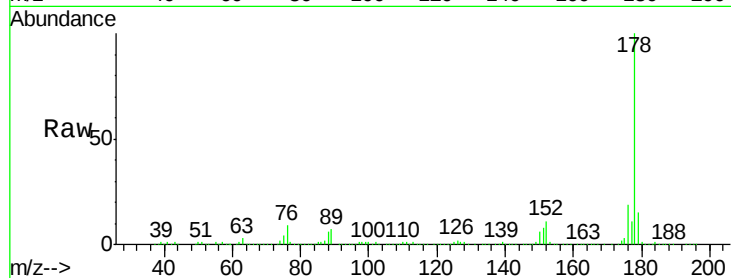
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 537813

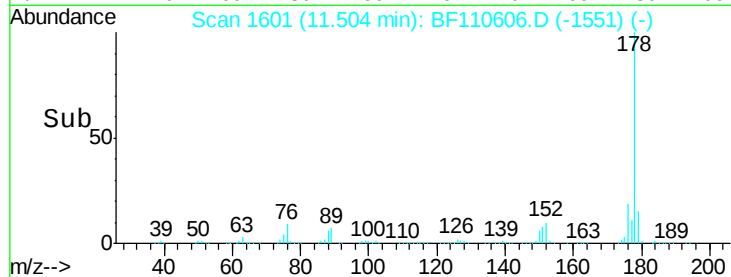
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.5	18.7



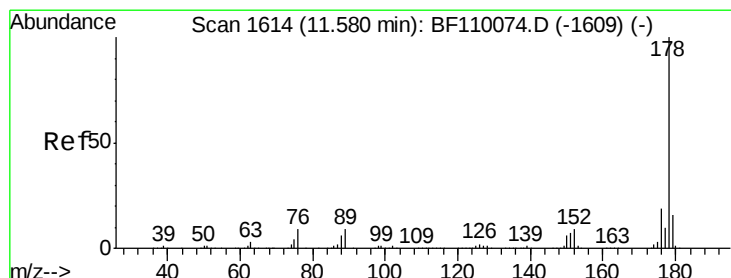
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.40 11.45 11.50 11.55



#72

Anthracene

Concen: 14.59 ng

RT: 11.56 min Scan# 1610

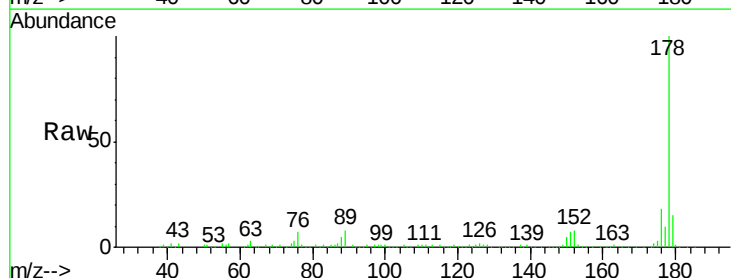
Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Tgt Ion:178 Resp: 164832

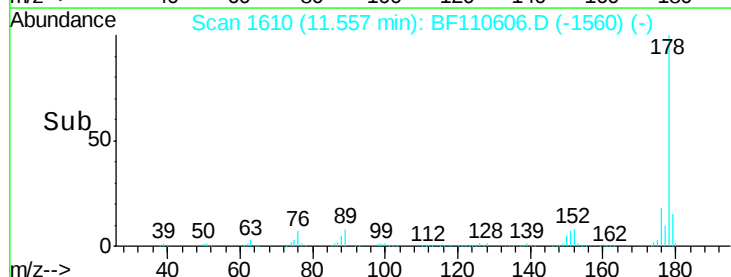
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	18.8



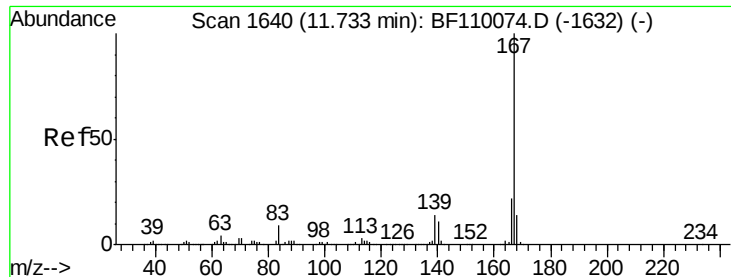
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



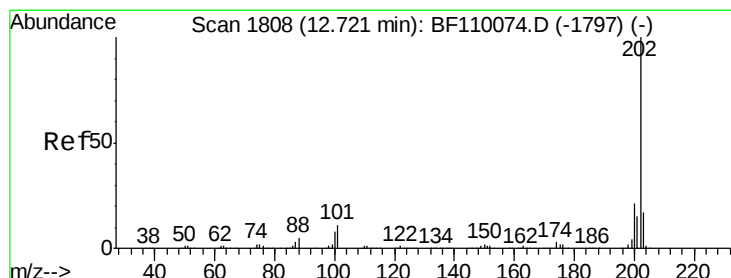
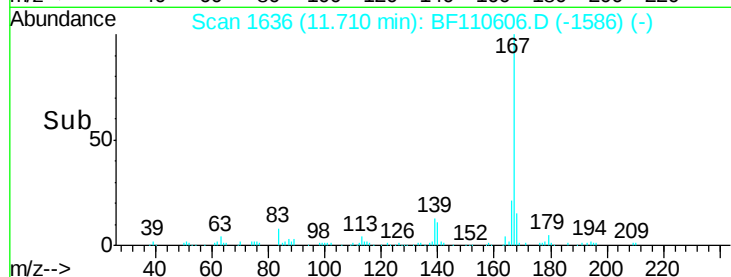
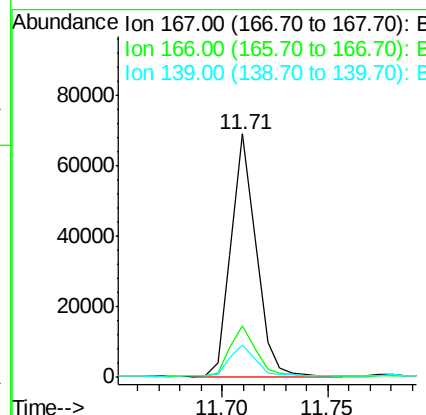
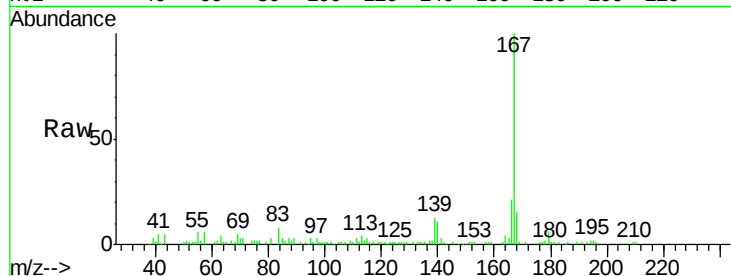
Time--> 11.50 11.55 11.60 11.65



#73
 Carbazole
 Concen: 5.34 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

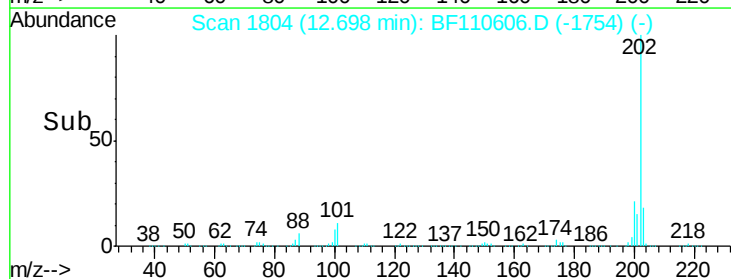
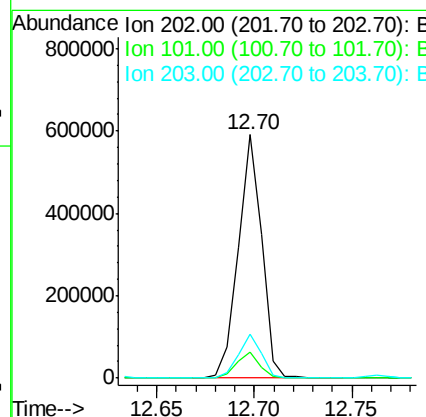
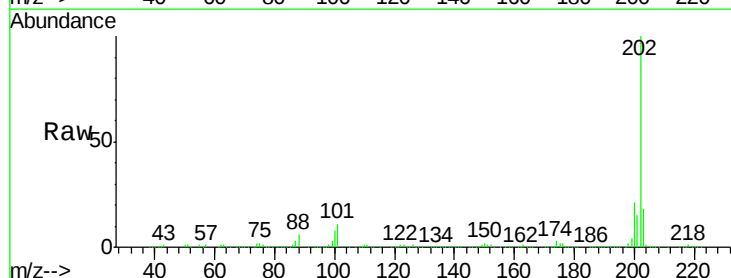
Instrument :
 BNA_F
 ClientSampleId :

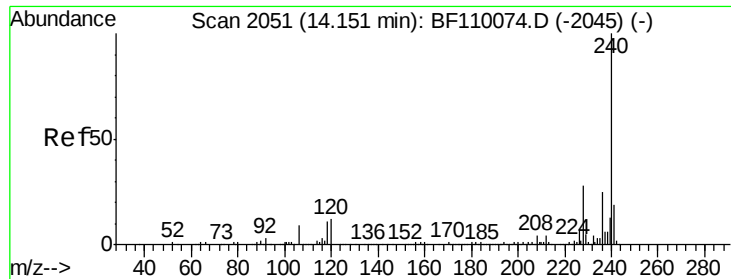
Tot Ion:167 Resp: 57904
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.0
 139 13.2 10.9 16.3



#75
 Fluoranthene
 Concen: 43.95 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion:202 Resp: 493468
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.4
 203 17.9 0.0 37.7

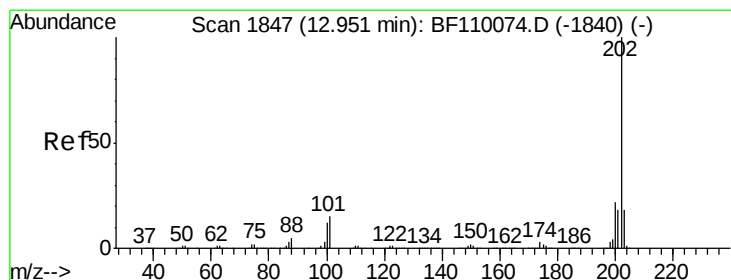
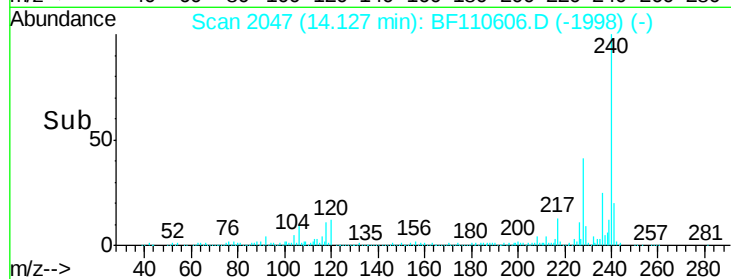
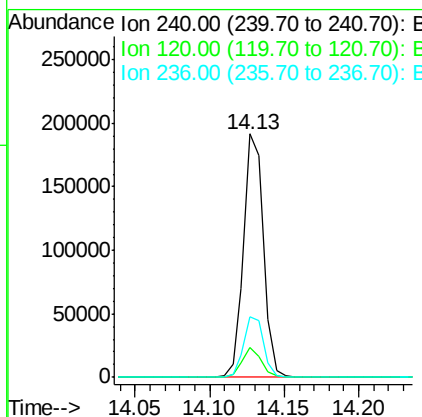
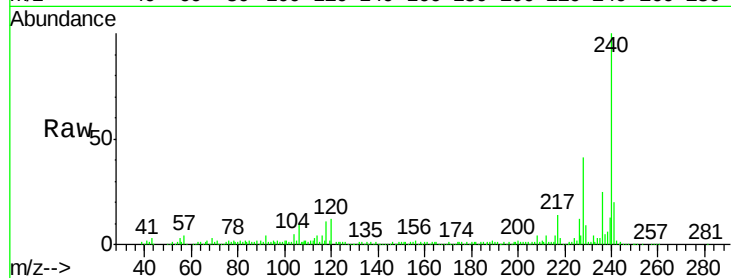




#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

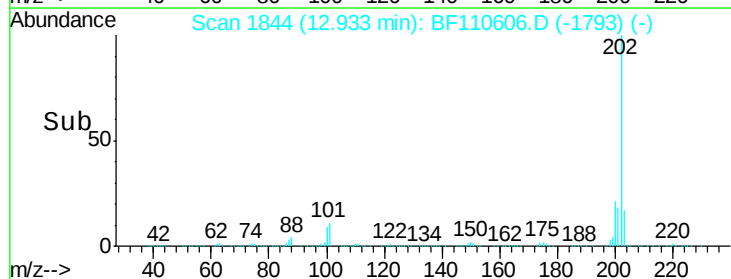
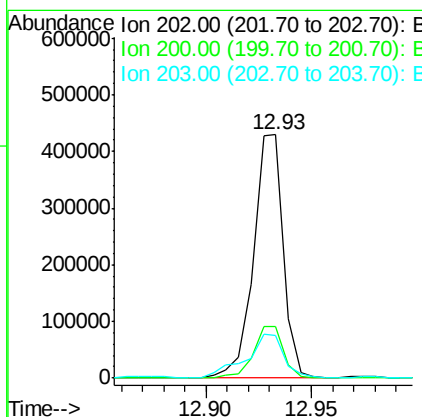
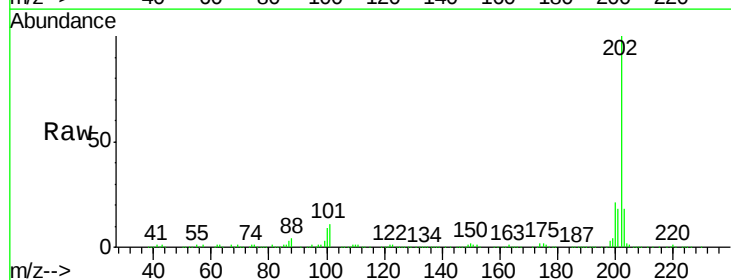
Instrument :
 BNA_F
 ClientSampleID :

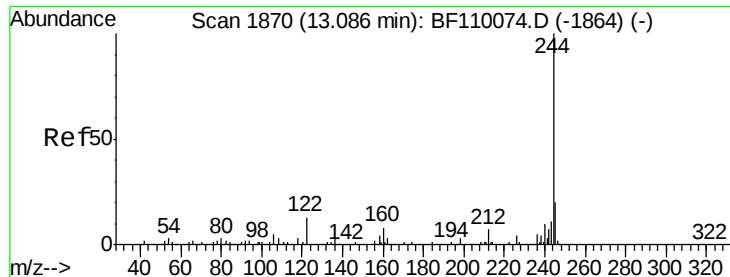
Tot Ion:240 Resp: 177613
 Ion Ratio Lower Upper
 240 100
 120 12.2 8.3 12.5
 236 25.1 21.2 31.8



#78
 Pyrene
 Concen: 31.01 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF110606.D
 Acq: 9 Nov 2018 00:56

Tgt Ion:202 Resp: 424024
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.8 26.6
 203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 34.42 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampleId :

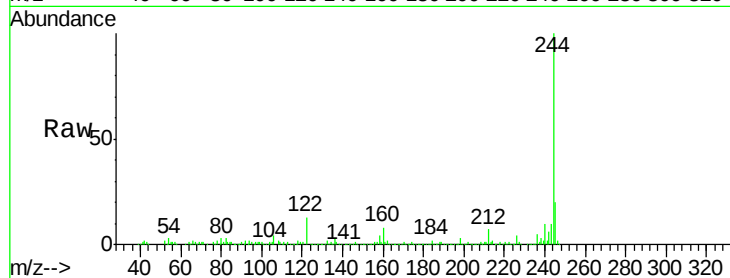
Tot Ion:244 Resp: 326427

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

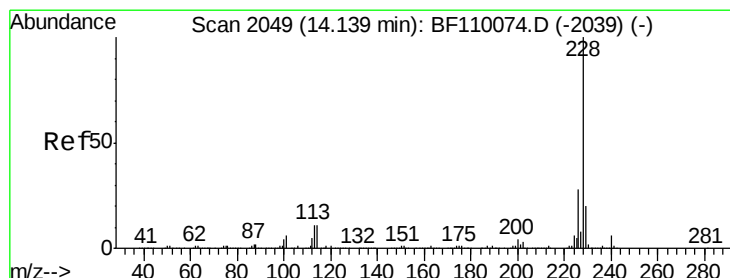
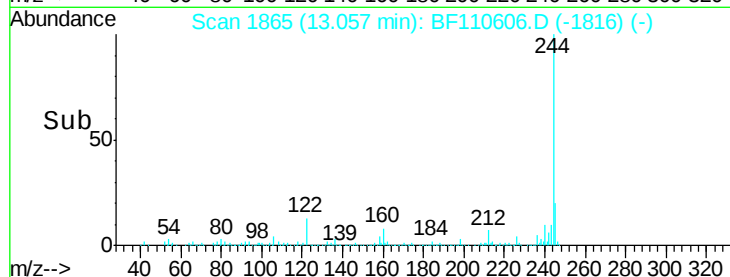
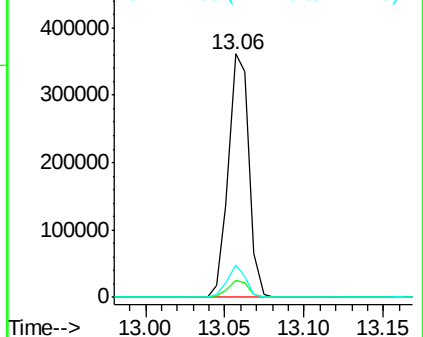
122 13.1 8.7 13.1#



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: 18.52 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

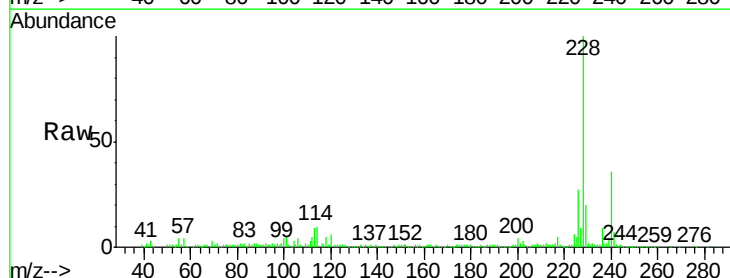
Tgt Ion:228 Resp: 196598

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

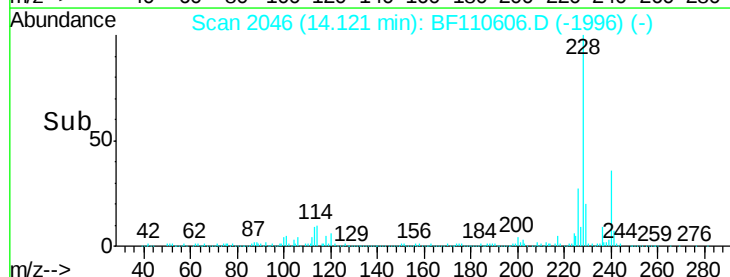
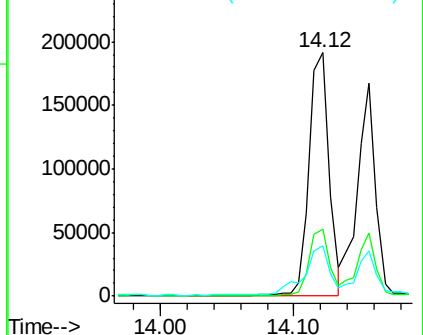
229 20.5 15.6 23.4

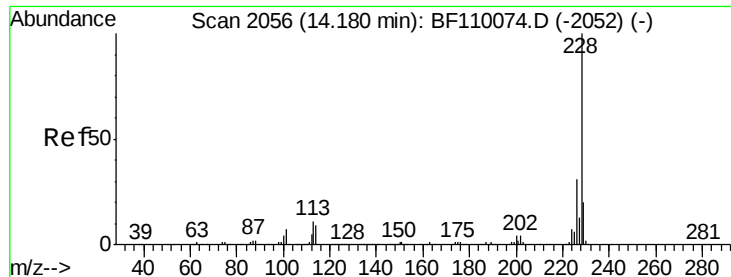


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 15.75 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampled :

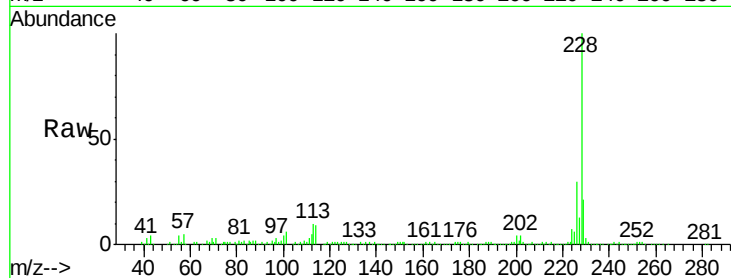
Tot Ion:228 Resp: 159285

Ion Ratio Lower Upper

228 100

226 29.6 24.7 37.1

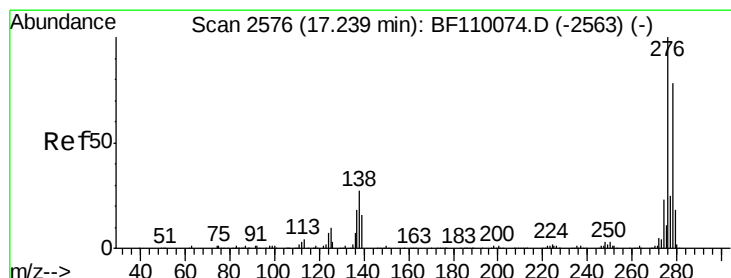
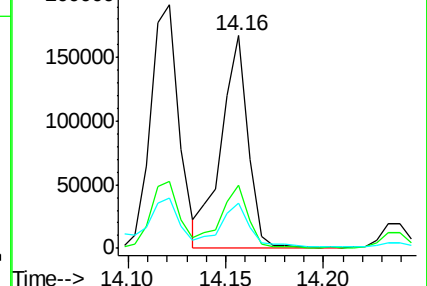
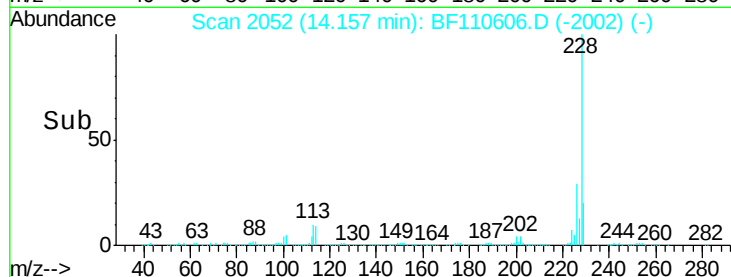
229 21.4 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.92 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.02 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

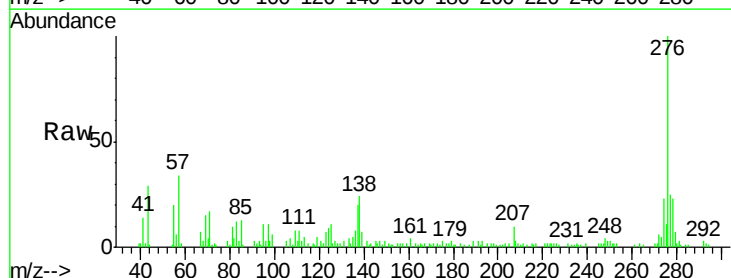
Tgt Ion:276 Resp: 50189

Ion Ratio Lower Upper

276 100

138 23.4 18.5 27.7

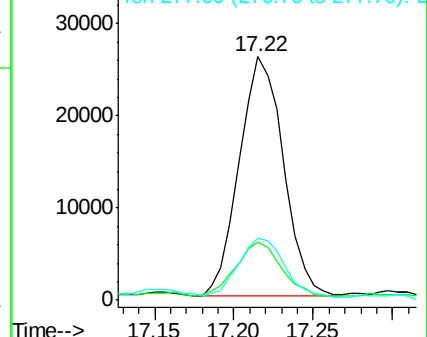
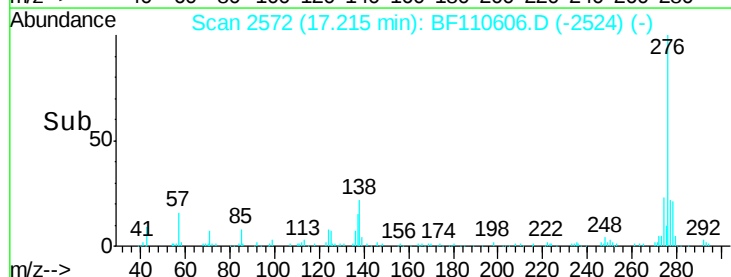
277 26.6 20.0 30.0

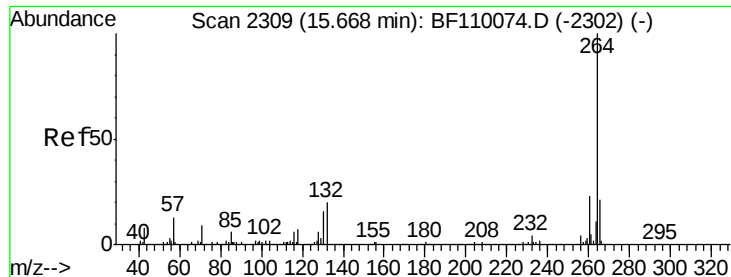


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.00 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampleId :

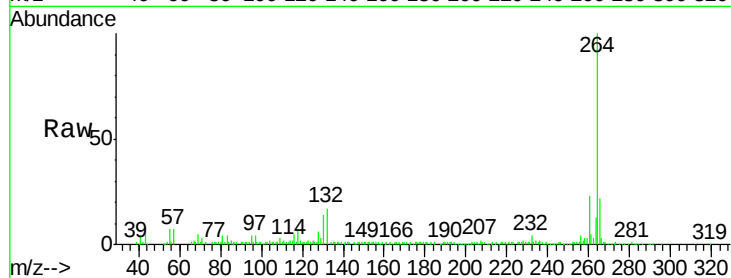
Tot Ion:264 Resp: 140928

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

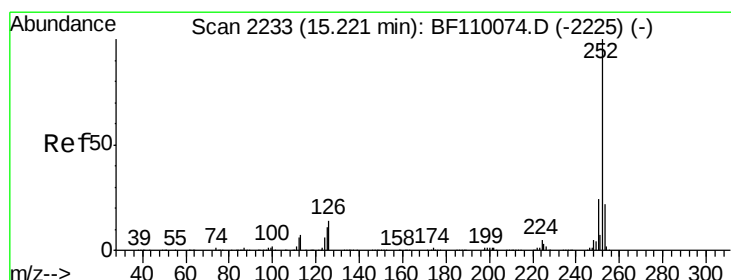
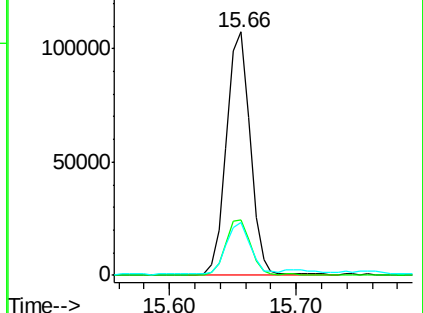
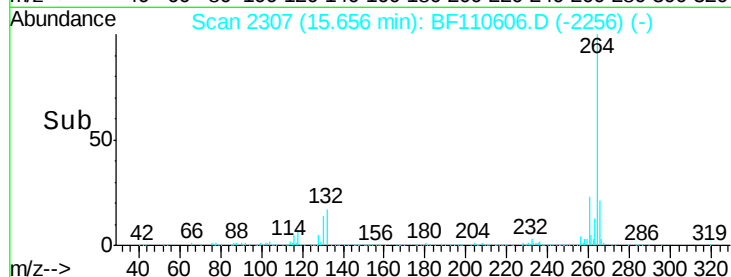
265 21.7 16.7 25.1



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: 24.98 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

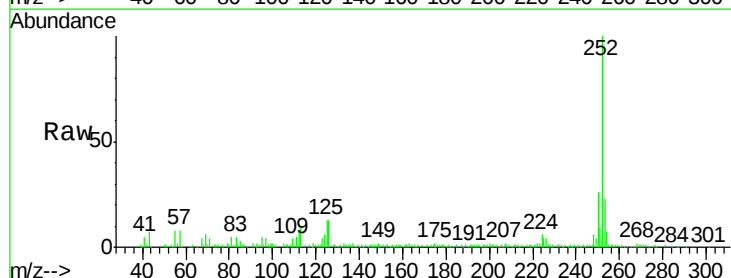
Tgt Ion:252 Resp: 210607

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

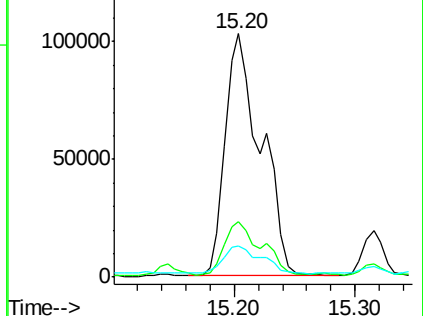
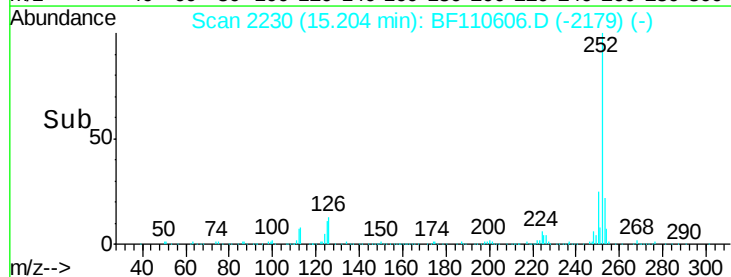
125 12.8 8.2 12.4#

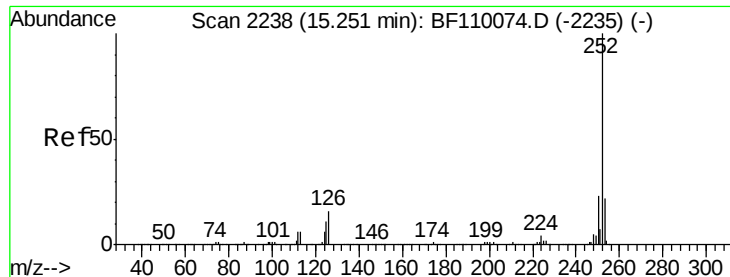


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

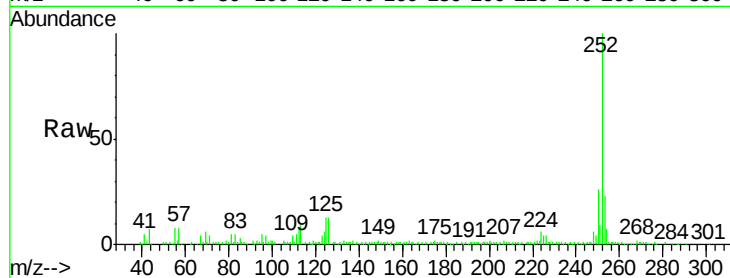




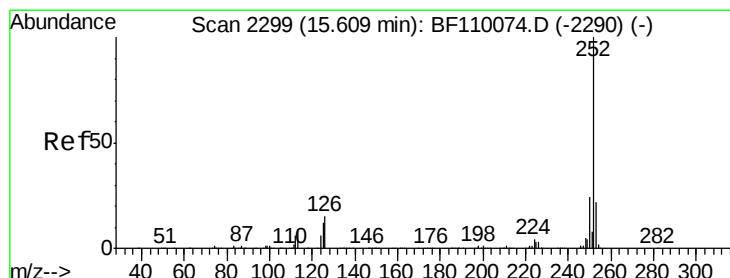
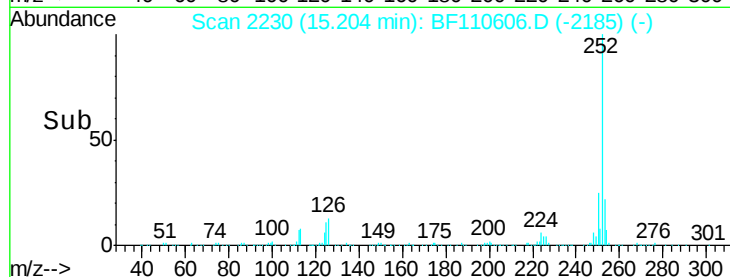
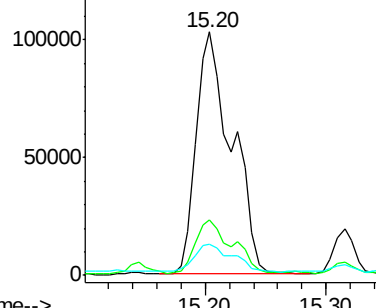
#89
Benzo(k)fluoranthene
Concen: 25.28 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 210607
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 12.8 7.4 11.0#

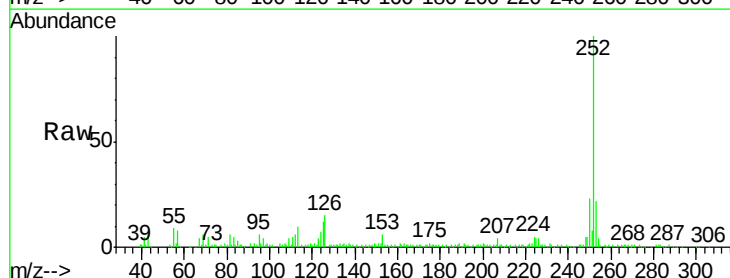


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

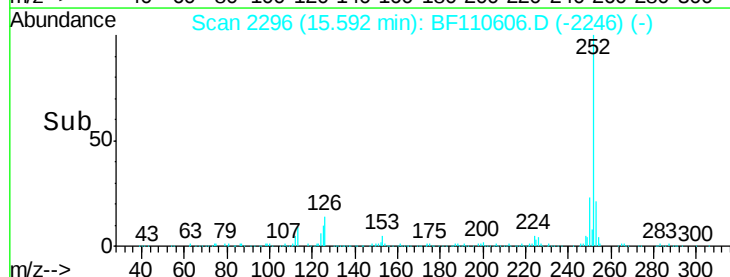
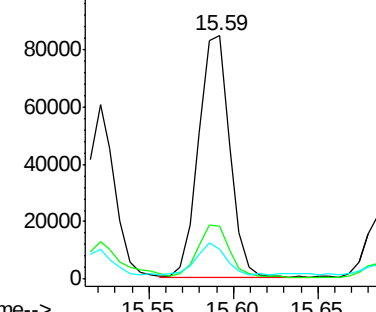


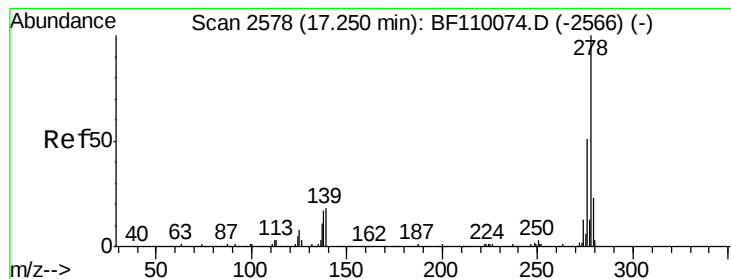
#90
Benzo(a)pyrene
Concen: 14.20 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110606.D
Acq: 9 Nov 2018 00:56

Tgt Ion:252 Resp: 108798
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.4
125 12.3 9.0 13.6



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

Dibenzo(a,h)anthracene

Concen: 2.31 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.02 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

Instrument :

BNA_F

ClientSampleId :

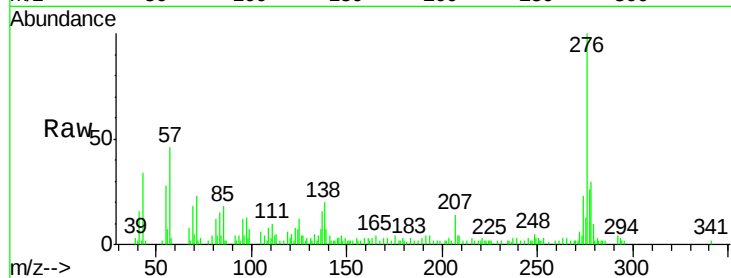
Tot Ion:278 Resp: 14946

Ion Ratio Lower Upper

278 100

139 23.7 12.7 19.1#

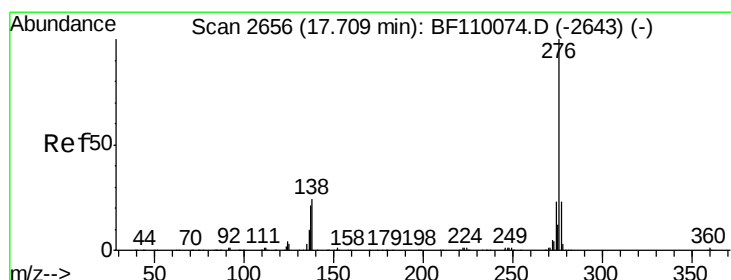
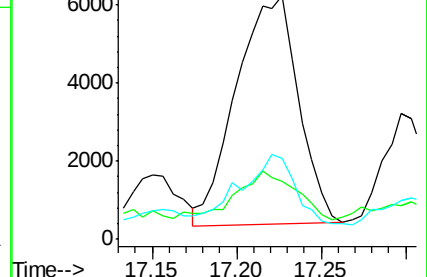
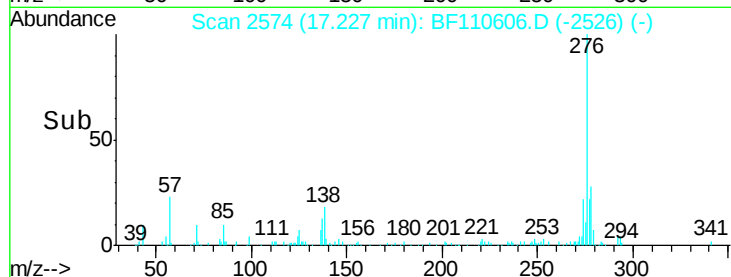
279 33.5 19.0 28.4#



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



#92

Benzo(g,h,i)perylene

Concen: 7.35 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BF110606.D

Acq: 9 Nov 2018 00:56

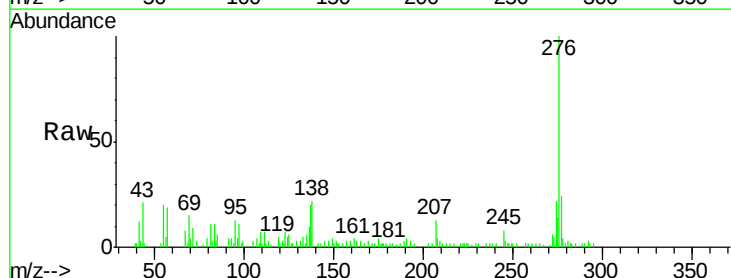
Tgt Ion:276 Resp: 47247

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 22.1 16.0 24.0



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

