

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011918\
 Data File : BF102220.D
 Acq On : 19 Jan 2018 14:12
 Operator : SJ/JU
 Sample : J1200-04 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 BOT-N 10

Quant Time: Jan 19 14:43:46 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138392	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	570617	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	245845	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	390261	20.00	ng	0.00
75) Chrysene-d12	13.88	240	260124	20.00	ng	0.00
86) Perylene-d12	15.30	264	240448	20.00	ng	0.00

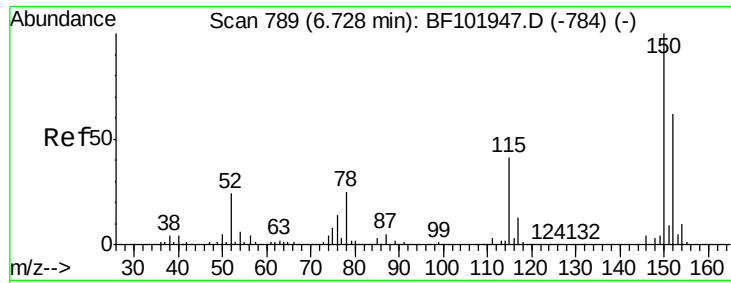
System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	60215	6.14	ng	-0.01
7) Phenol-d6	6.35	99	73393	6.28	ng	-0.02
23) Nitrobenzene-d5	7.28	82	38725	3.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	11078	5.16	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	57167	3.63	ng	-0.01
78) Terphenyl-d14	12.82	244	46159	3.68	ng	0.00

Target Compounds

						Qvalue
25) Isophorone	7.28	82	38724	2.018	ng	# 64
31) Naphthalene	8.04	128	3372978	118.297	ng	99
33) 4-Chloroaniline	8.04	127	471506	38.744	ng	# 36
35) Caprolactam	8.72	113	6277	2.361	ng	# 1
37) 2-Methylnaphthalene	8.72	142	303892	16.190	ng	99
45) 1,1'-Biphenyl	9.18	154	106902	4.920	ng	97
48) Acenaphthylene	9.62	152	362218	13.545	ng	100
50) 2,6-Dinitrotoluene	9.76	165	37259	9.458	ng	# 26
51) Acenaphthene	9.79	154	360735	22.225	ng	97
54) Dibenzofuran	9.96	168	468988	21.053	ng	100
55) 4-Nitrophenol	9.96	139	179707	48.502	ng	# 10
57) Fluorene	10.30	166	555444	36.069	ng	99
70) Phenanthrene	11.27	178	1978033	86.769	ng	99
71) Anthracene	11.32	178	730915	31.614	ng	99
72) Carbazole	11.47	167	241861	10.643	ng	99
74) Fluoranthene	12.46	202	1492031	66.523	ng	99
77) Pyrene	12.69	202	1097977	47.752	ng	99
80) Benzo(a)anthracene	13.90	228	401056	24.165	ng	96
82) Chrysene	13.90	228	401056	23.175	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	167669	13.312	ng	94
87) Benzo(b)fluoranthene	14.99	252	116641	7.440	ng	93
88) Benzo(k)fluoranthene	14.89	252	639537	42.286	ng	99
89) Benzo(a)pyrene	15.24	252	360893	25.581	ng	98
90) Dibenzo(a,h)anthracene	16.84	278	36618	3.252	ng	95
91) Benzo(g,h,i)perylene	17.09	276	135775	11.972	ng	96

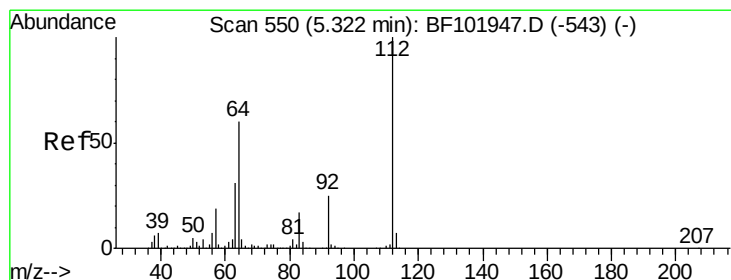
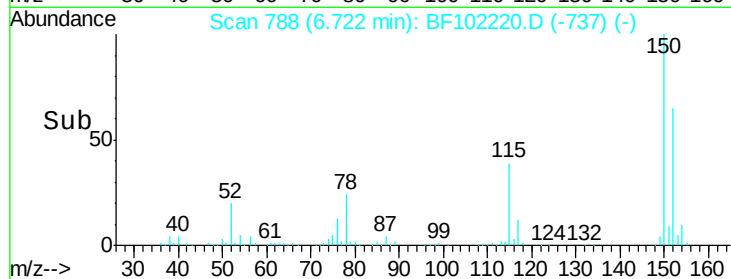
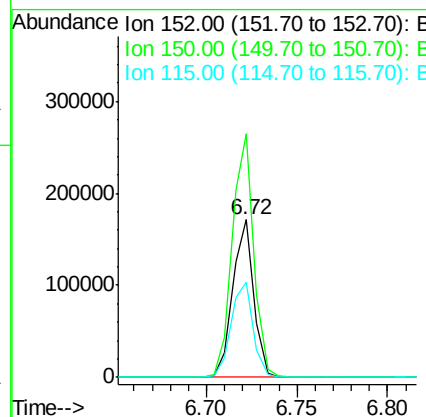
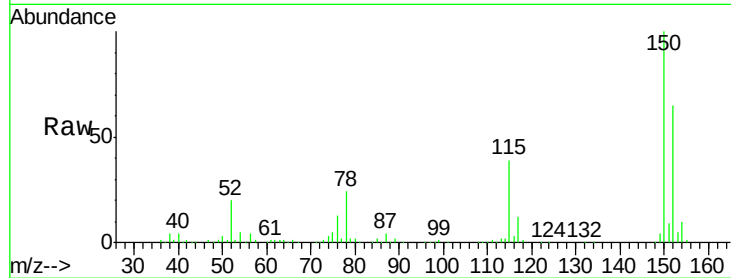
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

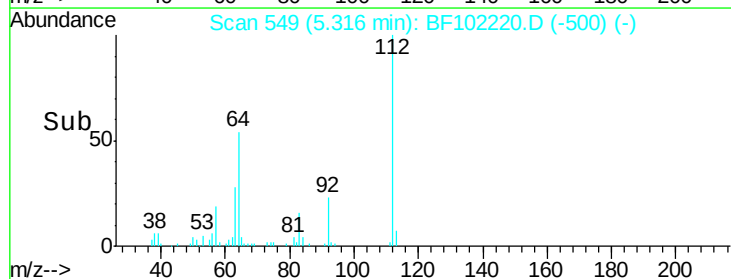
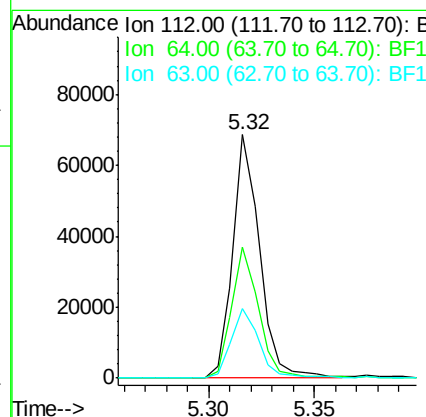
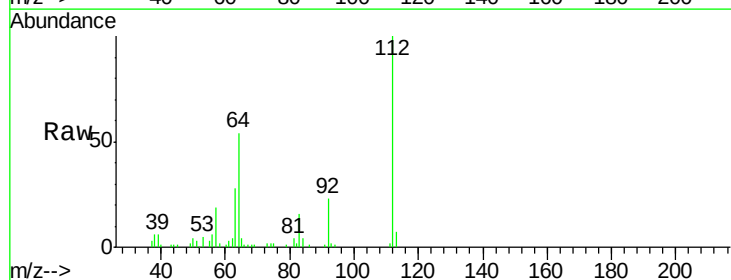
Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 BOT-N 10

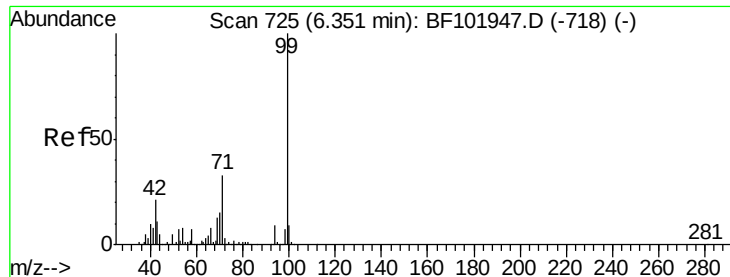
Tgt Ion:152 Resp: 138392
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.6 186.8
 115 60.7 50.1 75.1



#5
 2-Fluorophenol
 Concen: 6.144 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

Tgt Ion:112 Resp: 60215
 Ion Ratio Lower Upper
 112 100
 64 54.0 47.9 71.9
 63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 6.277 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

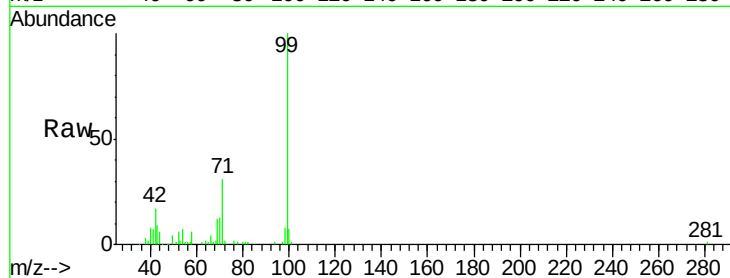
Tgt Ion: 99 Resp: 73393

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

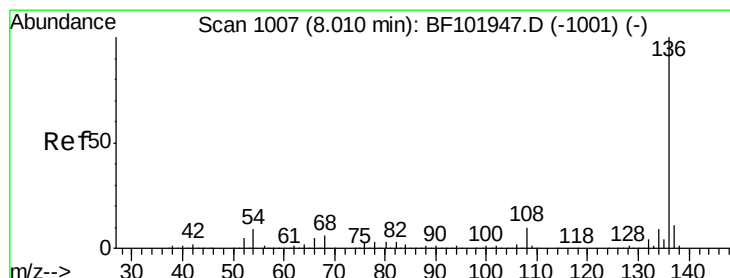
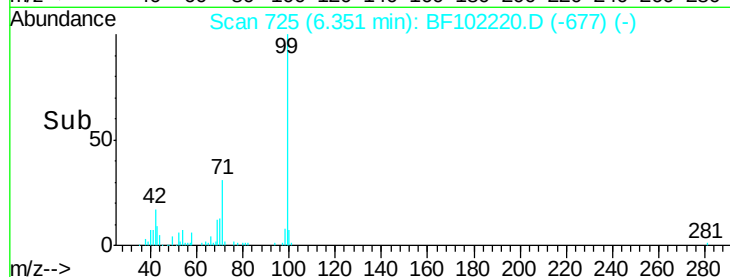
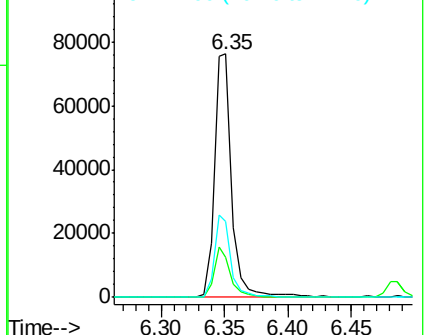
71 31.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Tgt Ion: 136 Resp: 570617

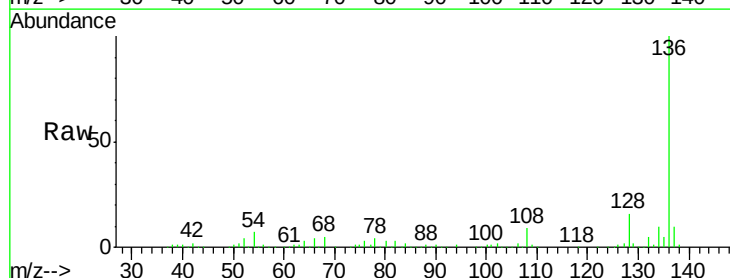
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.4 6.6 9.8

68 5.0 5.0 7.4

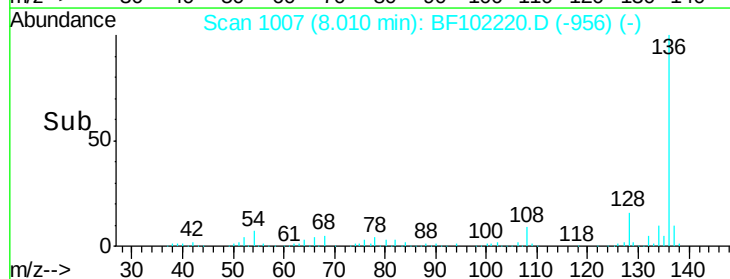
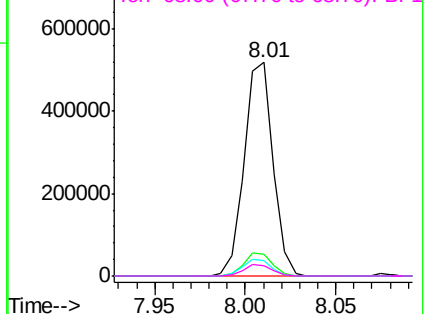


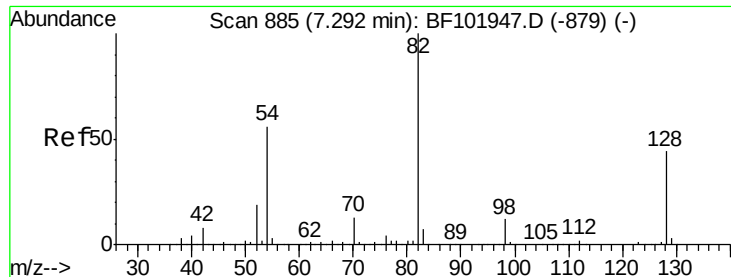
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

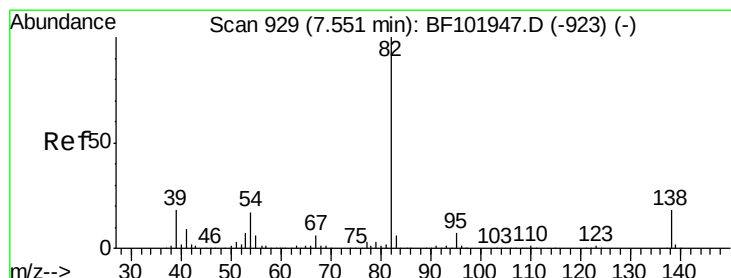
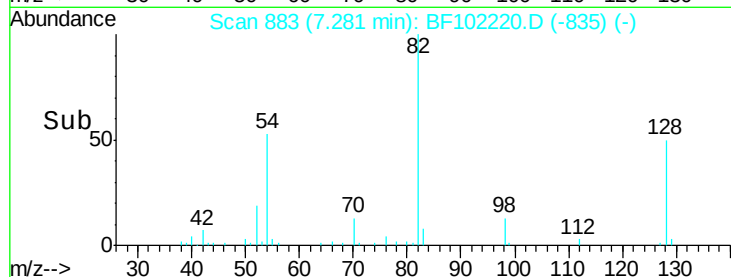
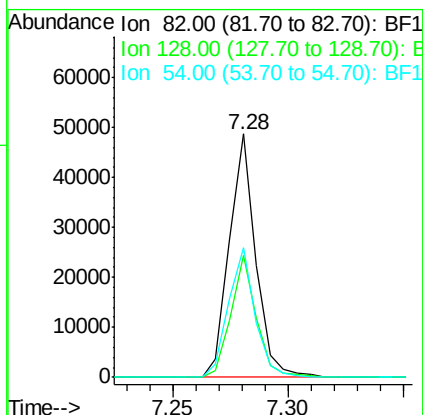
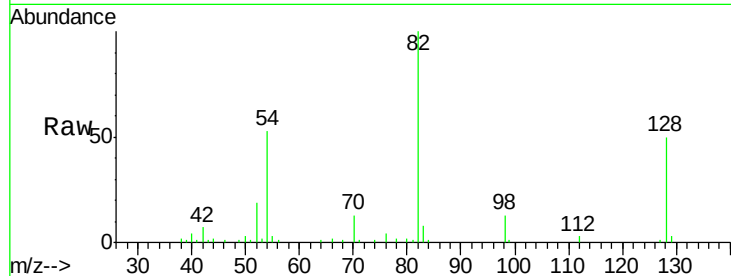




#23
 Nitrobenzene-d5
 Concen: 3.988 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

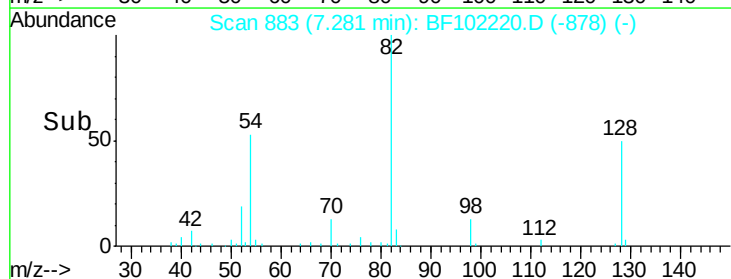
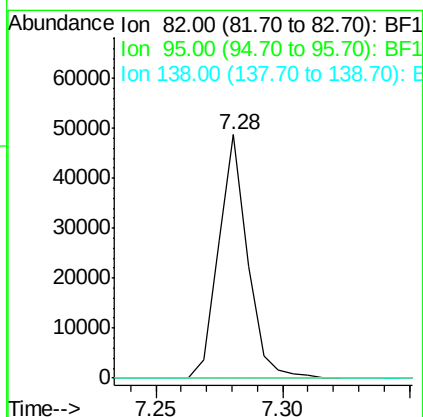
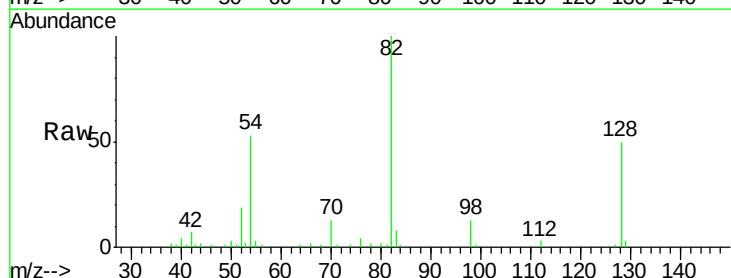
Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 BOT-N 10

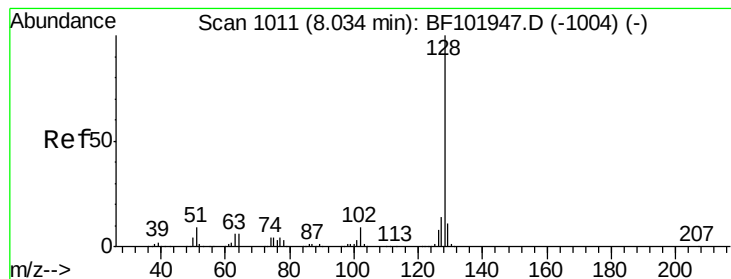
Tgt Ion: 82 Resp: 38725
 Ion Ratio Lower Upper
 82 100
 128 50.2 36.1 54.1
 54 53.4 41.4 62.2



#25
 Isophorone
 Concen: 2.018 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

Tgt Ion: 82 Resp: 38724
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#31

Naphthalene

Concen: 118.297 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

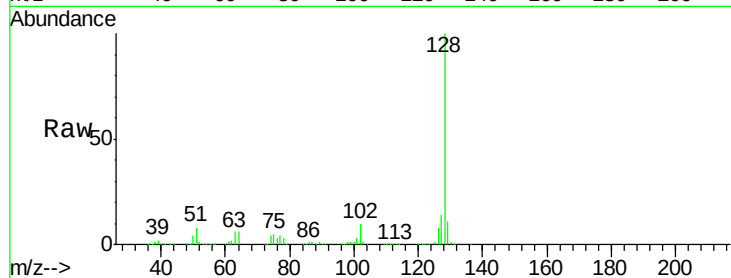
Tgt Ion:128 Resp: 3372978

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

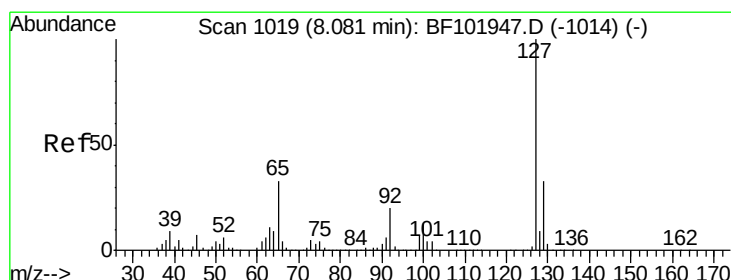
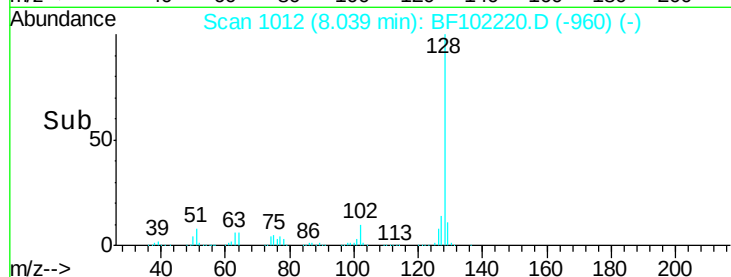
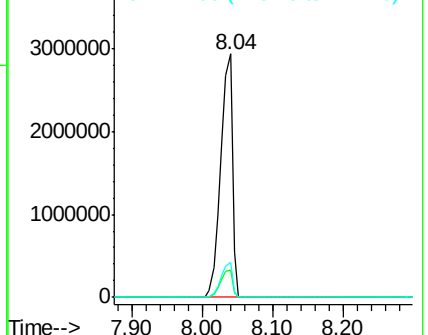
127 14.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 38.744 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.04 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Tgt Ion:127 Resp: 471506

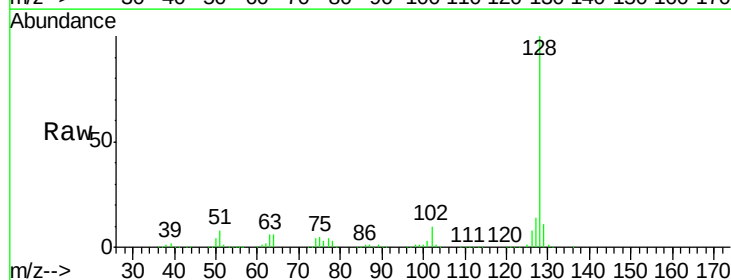
Ion Ratio Lower Upper

127 100

129 79.6 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

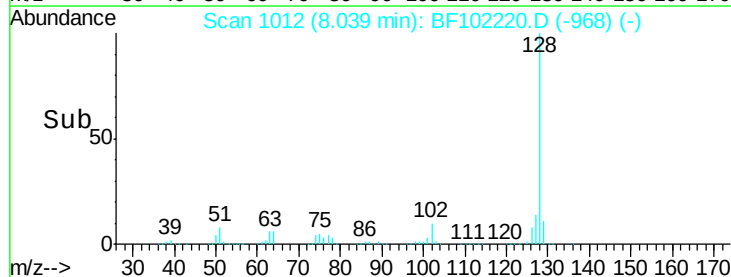
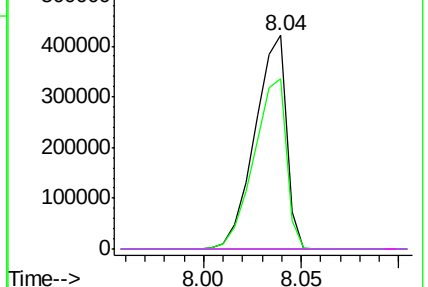


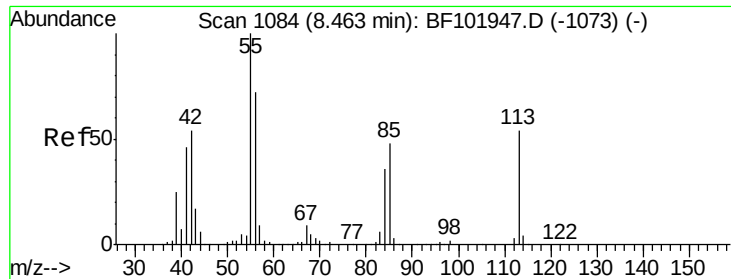
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

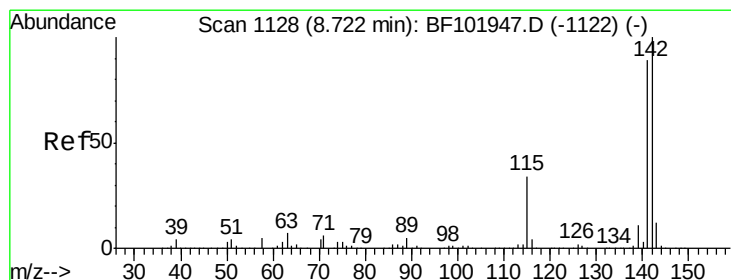
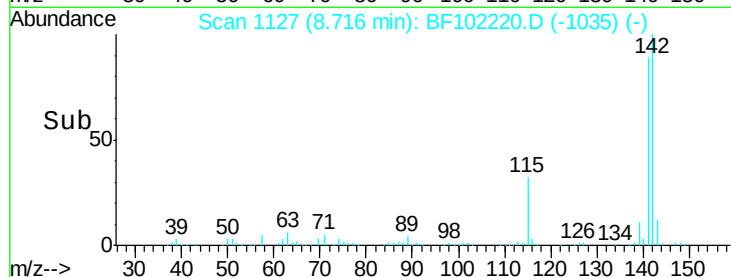
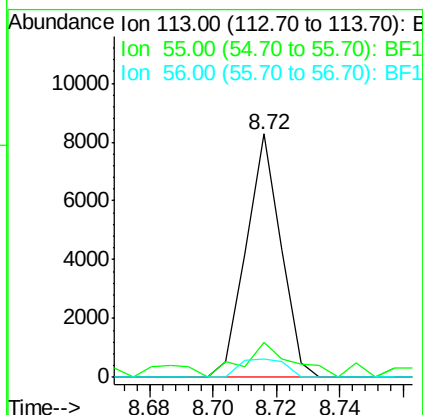
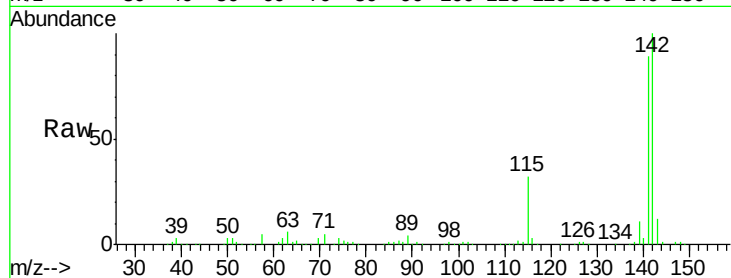




#35
 Caprolactam
 Concen: 2.361 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. 0.24 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

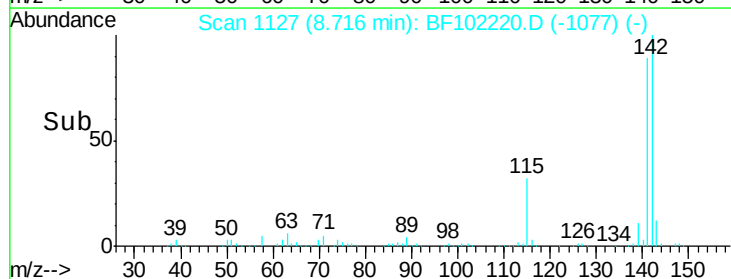
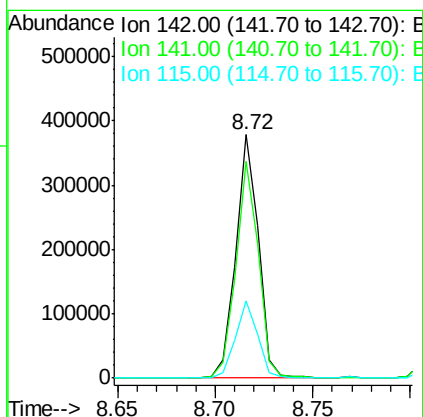
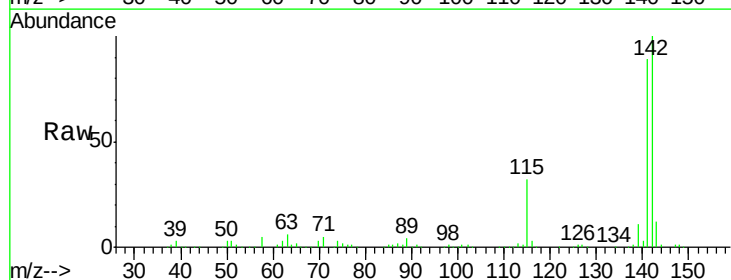
Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 BOT-N 10

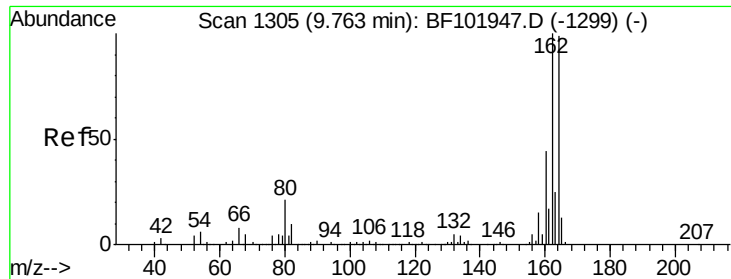
Tgt Ion:113 Resp: 6277
 Ion Ratio Lower Upper
 113 100
 55 14.2 163.3 203.3#
 56 7.7 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 16.190 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

Tgt Ion:142 Resp: 303892
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.8 106.2
 115 31.9 26.1 39.1

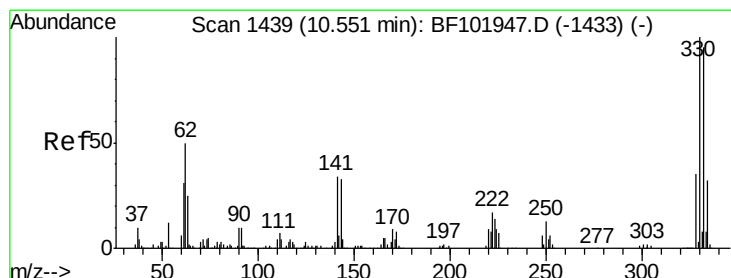
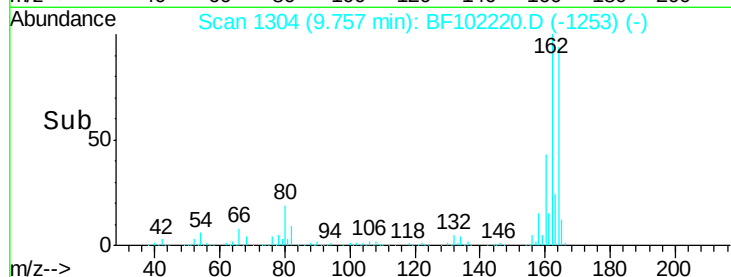
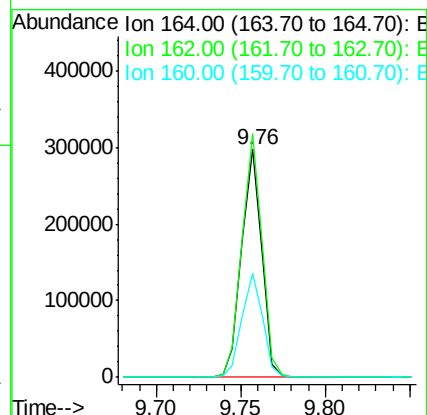
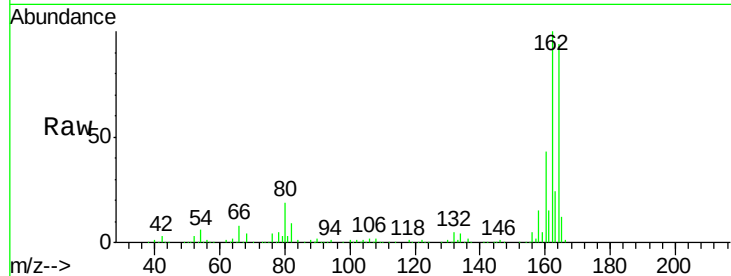




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

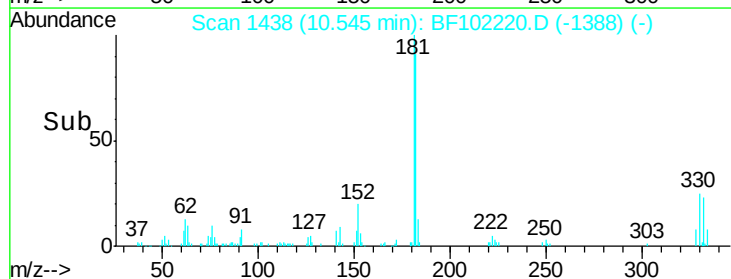
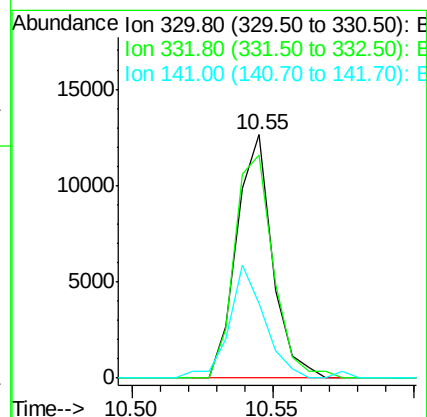
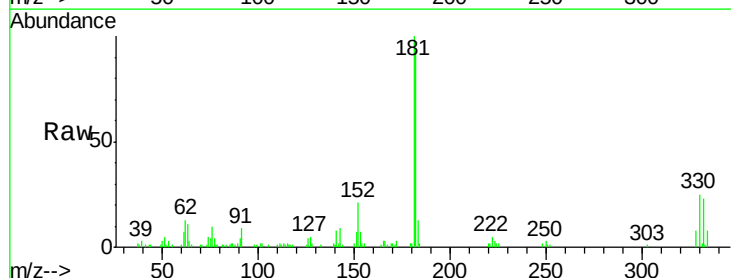
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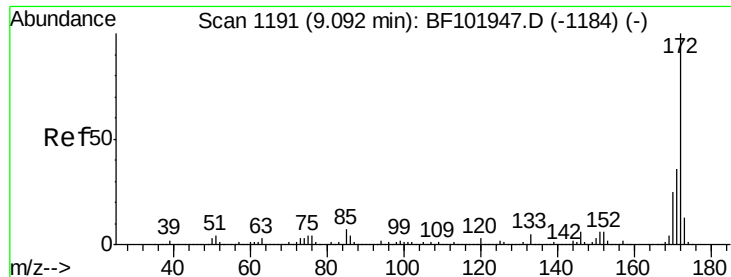
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	86.1	129.1
160	45.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 5.163 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.0	77.0	115.6
141	45.6	29.9	44.9#

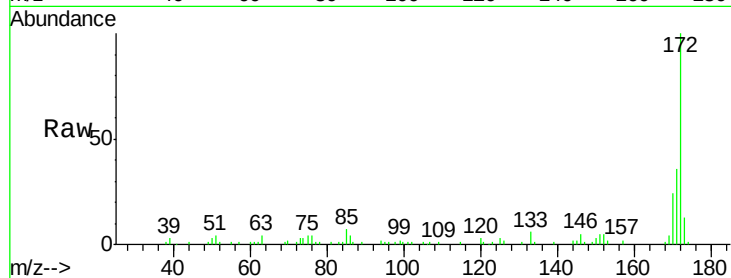




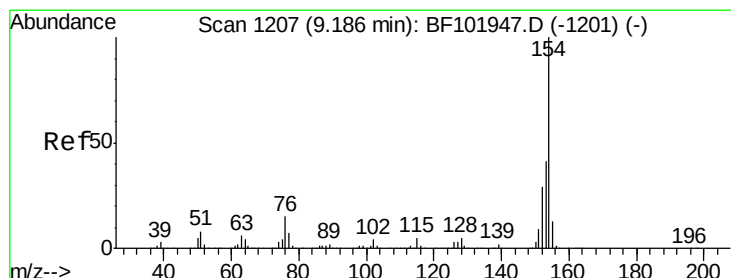
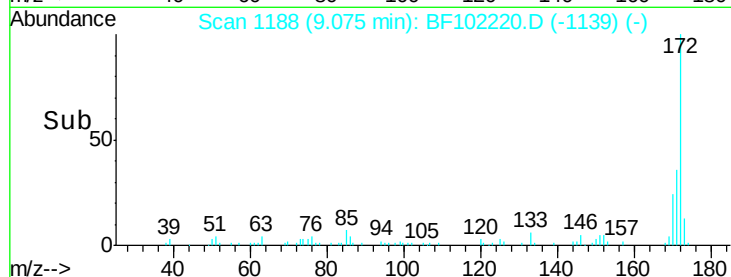
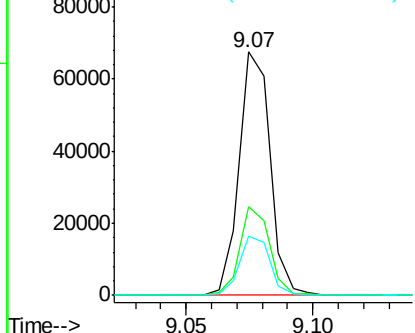
#44
2-Fluorobiphenyl
Concen: 3.633 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102220.D
Acq: 19 Jan 2018 14:12

Instrument :
BNA_F
ClientSampleId :
A2 SB74 BOT-N 10

Tgt Ion:172 Resp: 57167
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.3 19.6 29.4

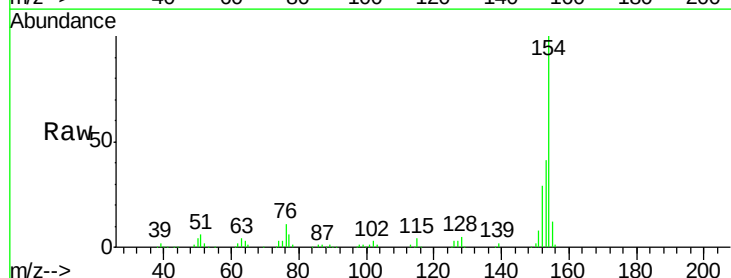


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

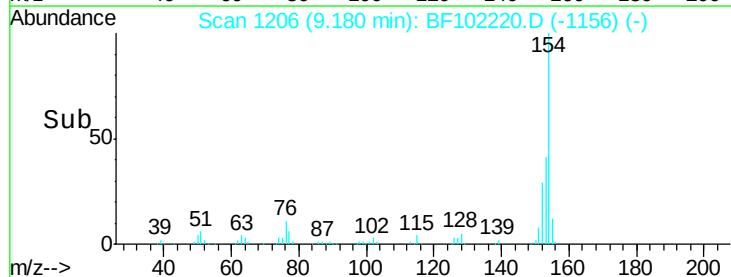
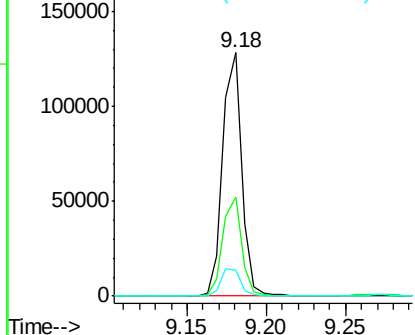


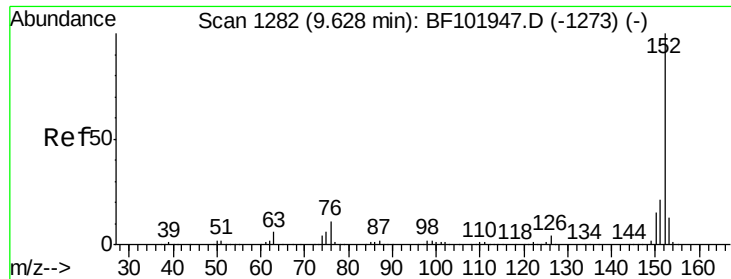
#45
1,1'-Biphenyl
Concen: 4.920 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF102220.D
Acq: 19 Jan 2018 14:12

Tgt Ion:154 Resp: 106902
Ion Ratio Lower Upper
154 100
153 40.8 21.3 61.3
76 10.6 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 13.545 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

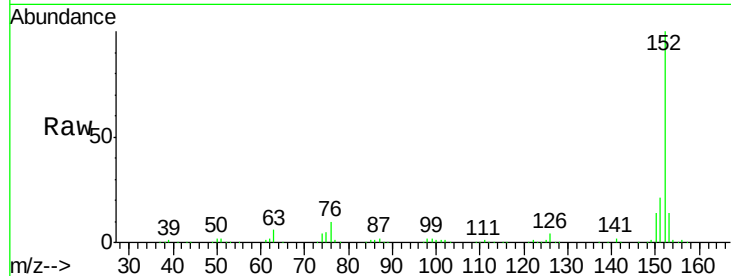
Tgt Ion:152 Resp: 362218

Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

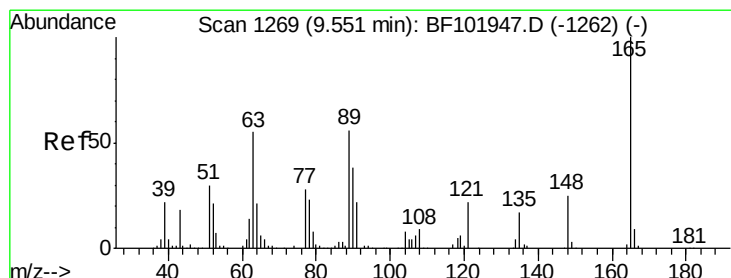
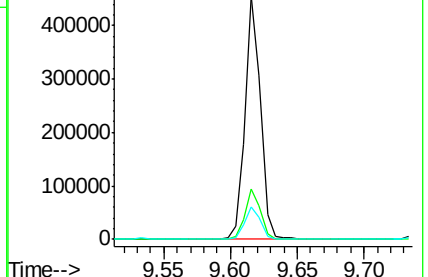
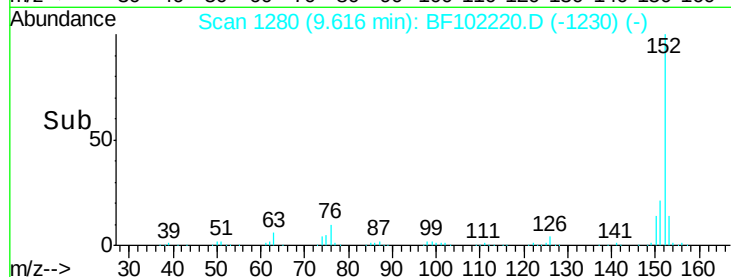
153 13.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.458 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

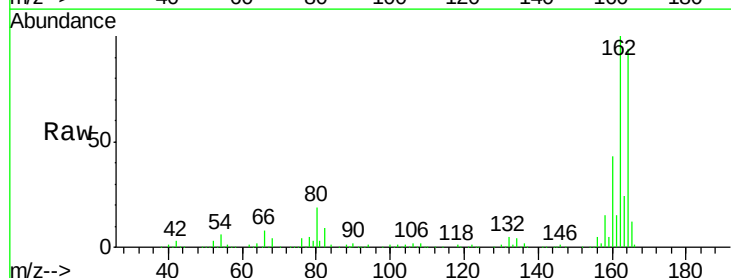
Tgt Ion:165 Resp: 37259

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

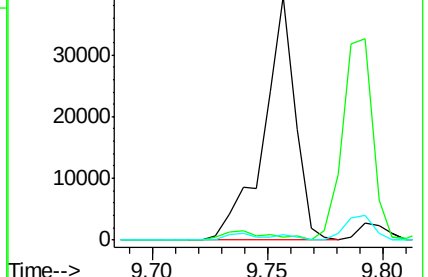
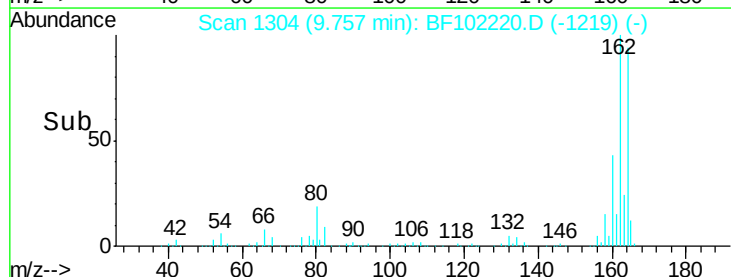
89 2.4 44.0 66.0#

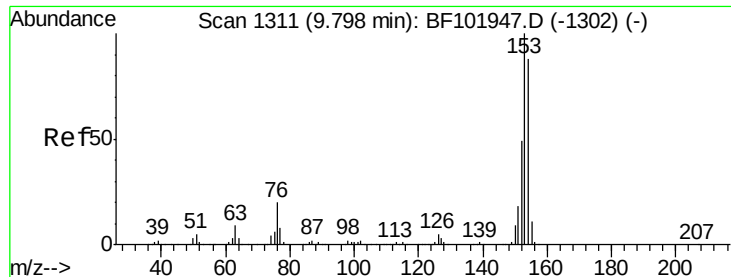


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 22.225 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

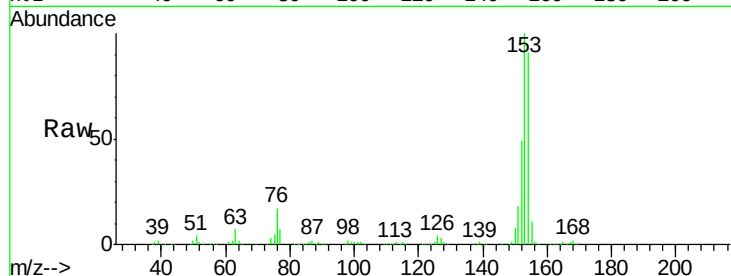
Tgt Ion:154 Resp: 360735

Ion Ratio Lower Upper

154 100

153 109.9 91.2 136.8

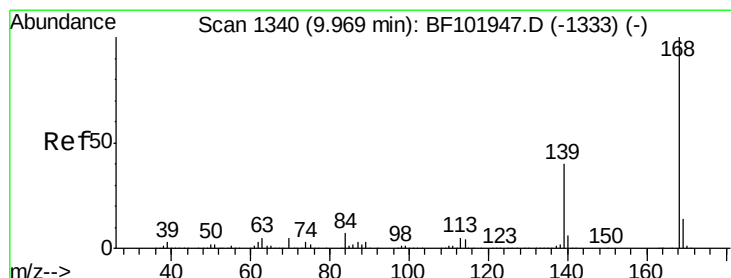
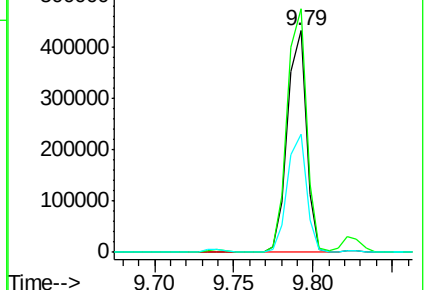
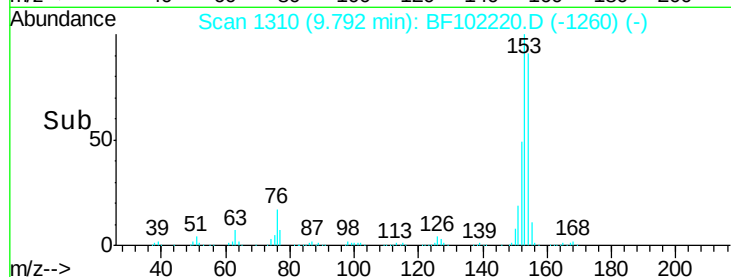
152 53.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 21.053 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

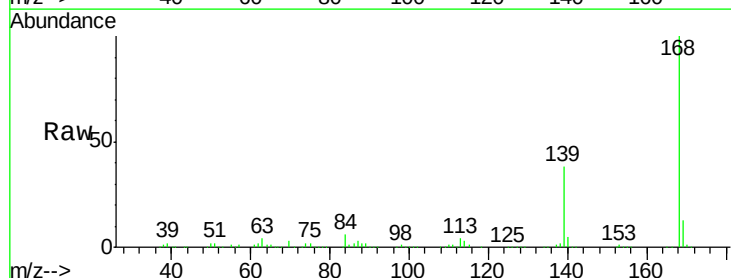
Tgt Ion:168 Resp: 468988

Ion Ratio Lower Upper

168 100

139 37.7 30.1 45.1

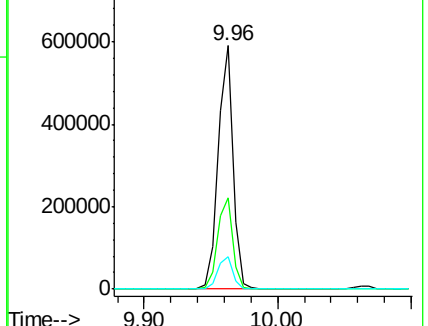
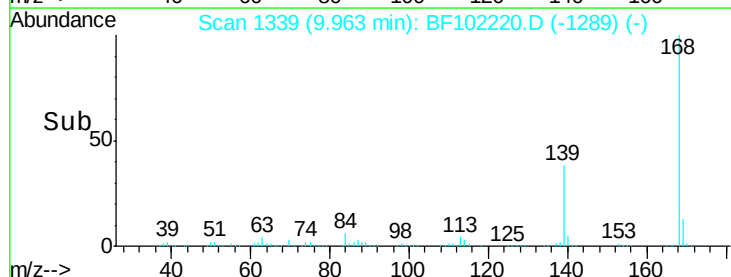
169 13.4 10.9 16.3

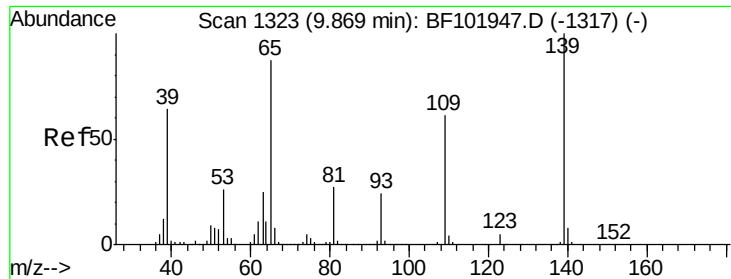


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

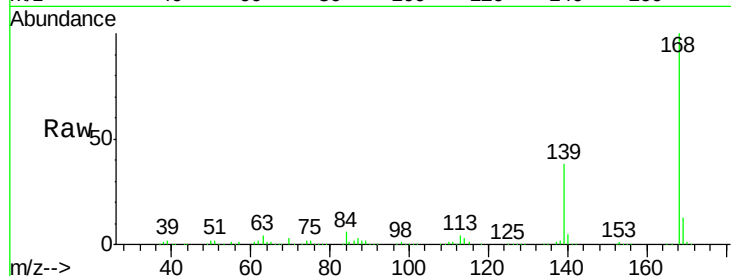




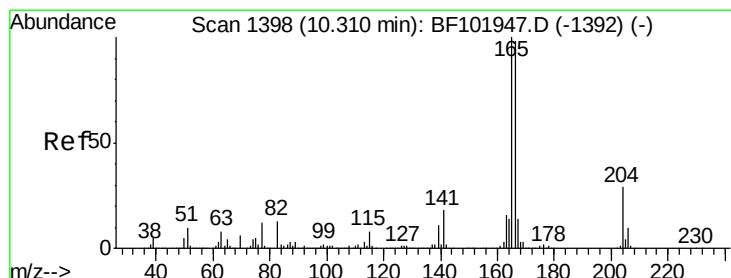
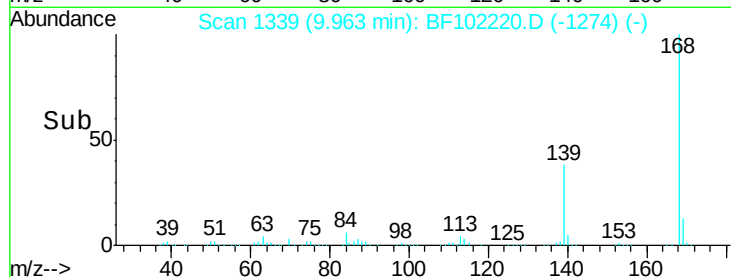
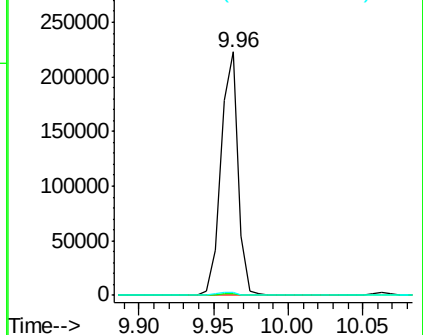
#55
4-Nitrophenol
Concen: 48.502 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.08 min
Lab File: BF102220.D
Acq: 19 Jan 2018 14:12

Instrument :
BNA_F
ClientSampleId :
A2 SB74 BOT-N 10

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.8	48.4	88.4#
65	1.5	72.6	112.6#

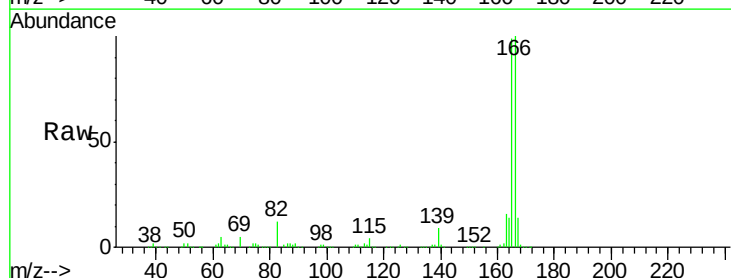


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

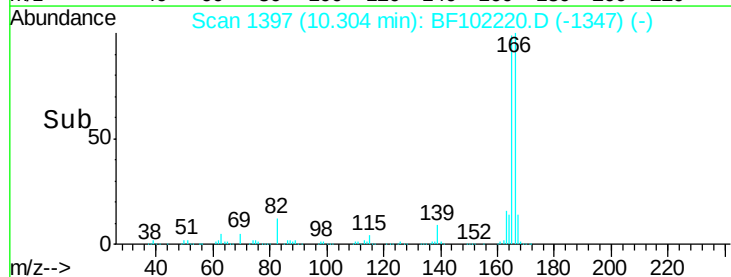
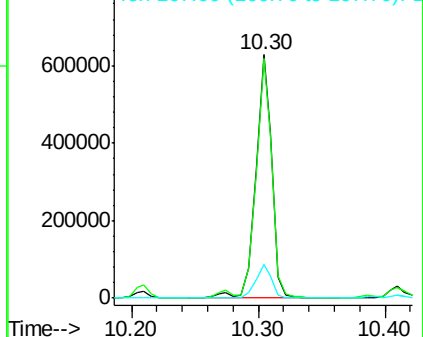


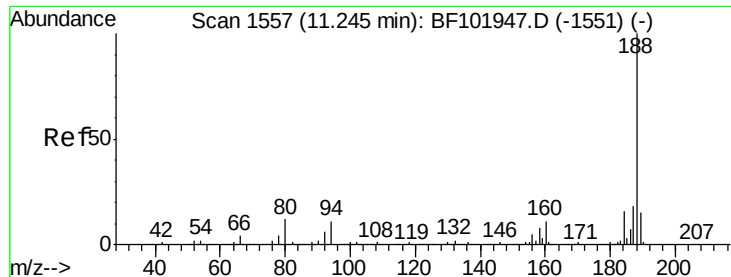
#57
Fluorene
Concen: 36.069 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102220.D
Acq: 19 Jan 2018 14:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.8	119.8
167	13.8	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

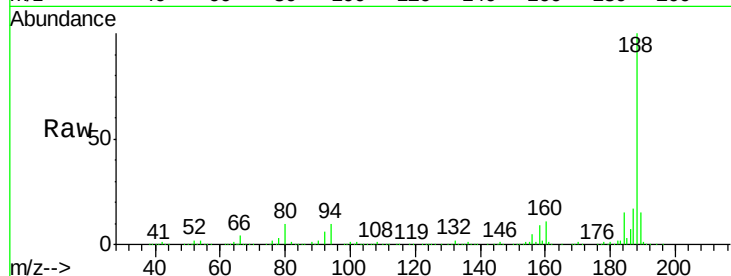
Tgt Ion:188 Resp: 390261

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

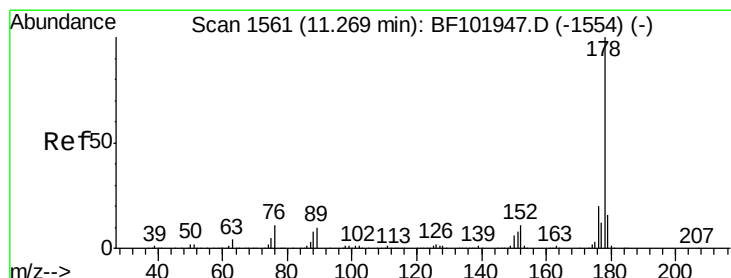
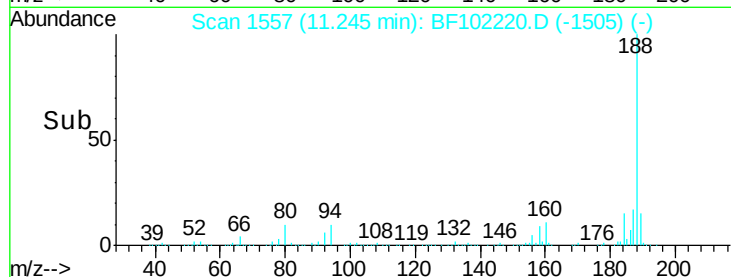
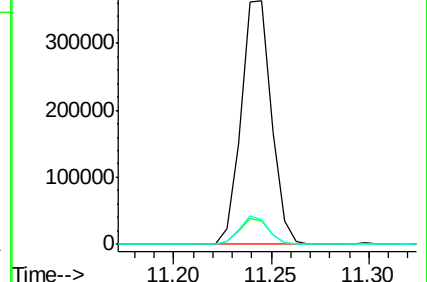
80 10.0 9.2 13.8



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



#70

Phenanthrene

Concen: 86.769 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

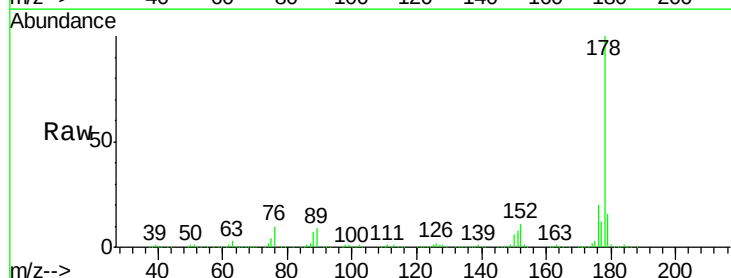
Tgt Ion:178 Resp: 1978033

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

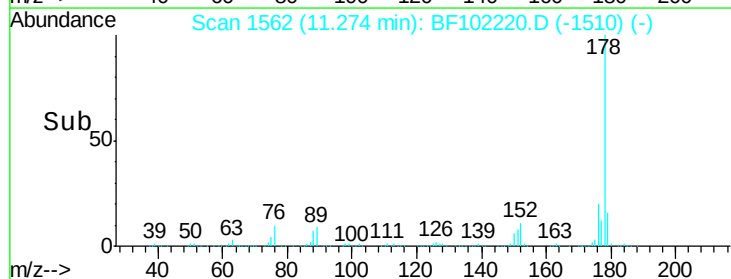
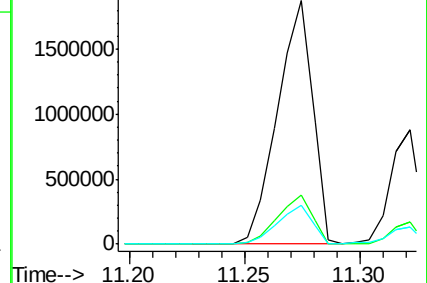
179 15.8 13.0 19.6

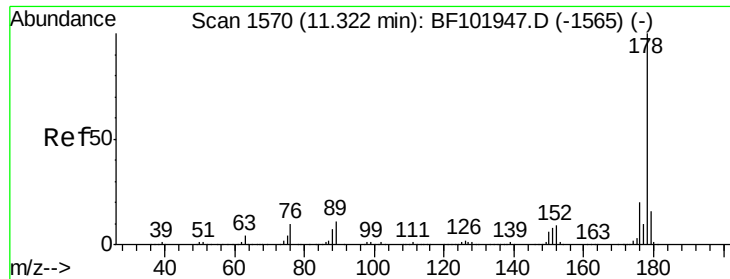


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

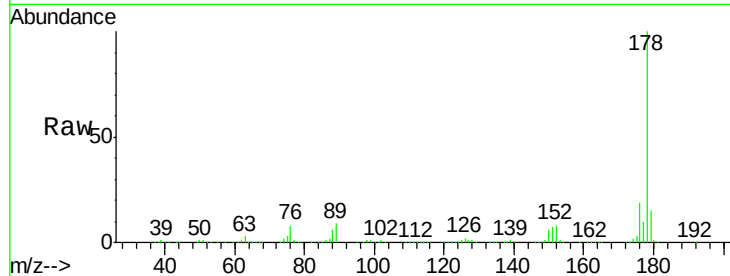




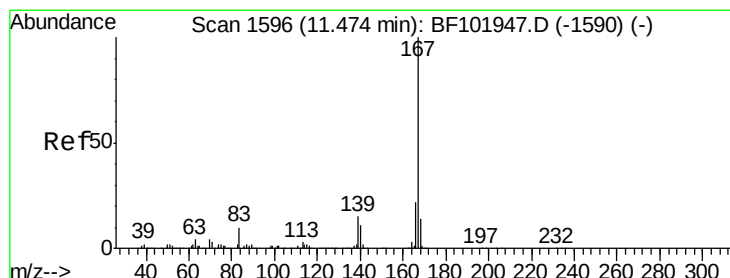
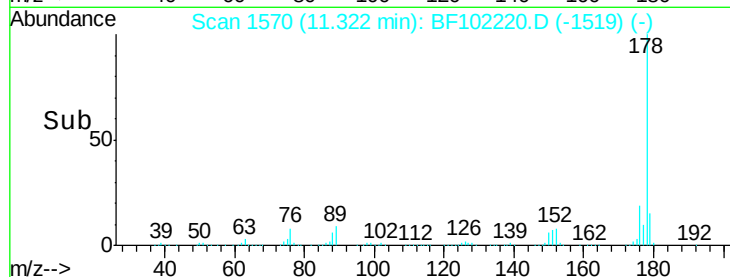
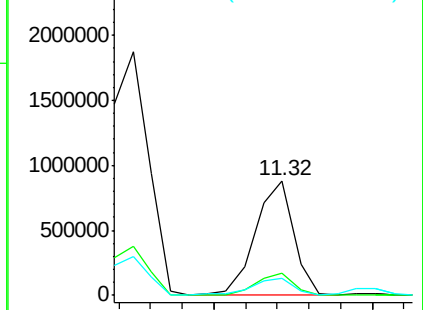
#71
 Anthracene
 Concen: 31.614 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 BOT-N 10

Tgt Ion:178 Resp: 730915
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.2 12.6 19.0

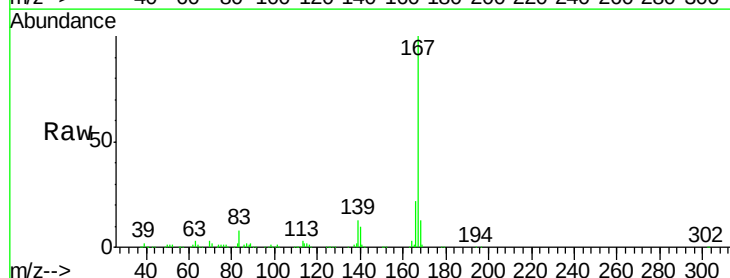


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

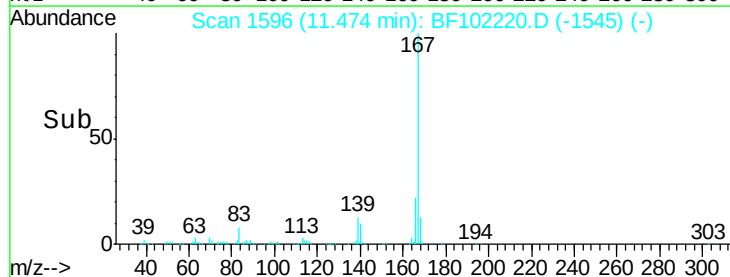
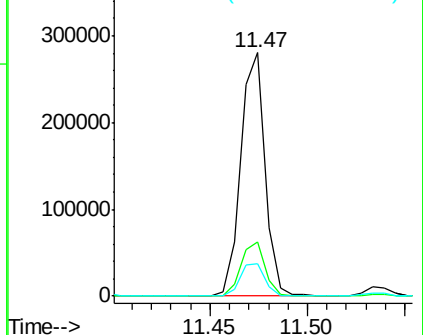


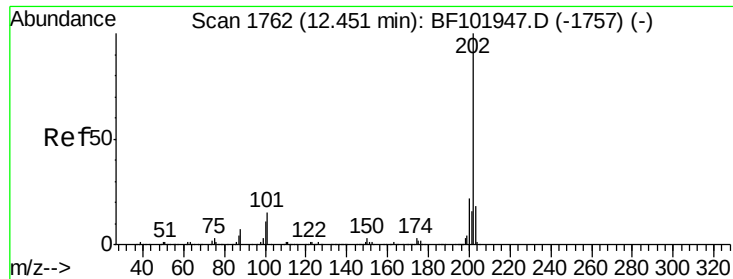
#72
 Carbazole
 Concen: 10.643 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF102220.D
 Acq: 19 Jan 2018 14:12

Tgt Ion:167 Resp: 241861
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 13.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 66.523 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

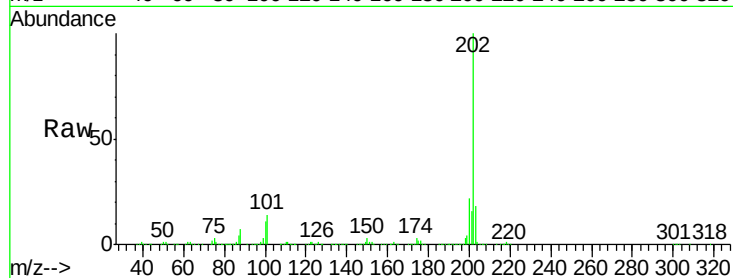
Tgt Ion:202 Resp: 1492031

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

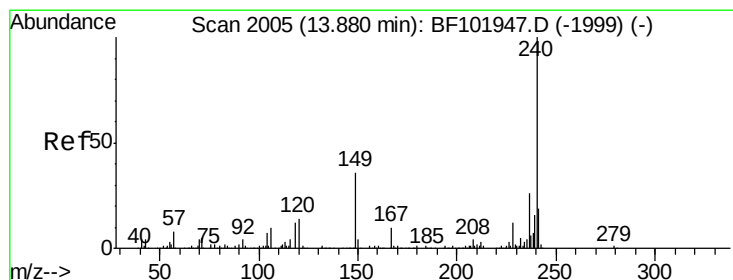
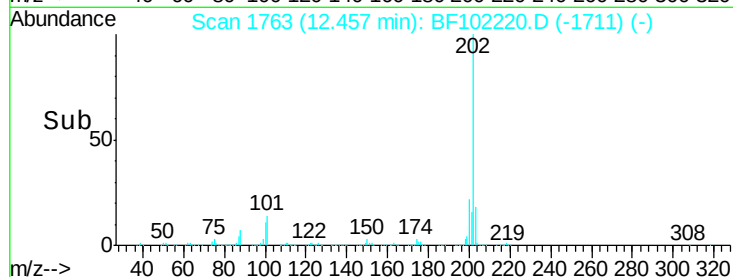
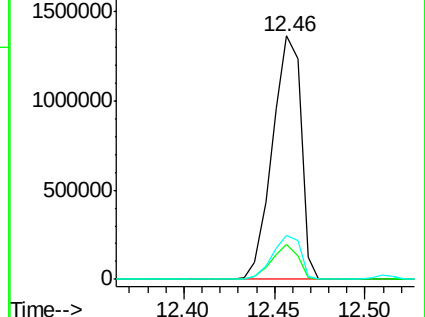
203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

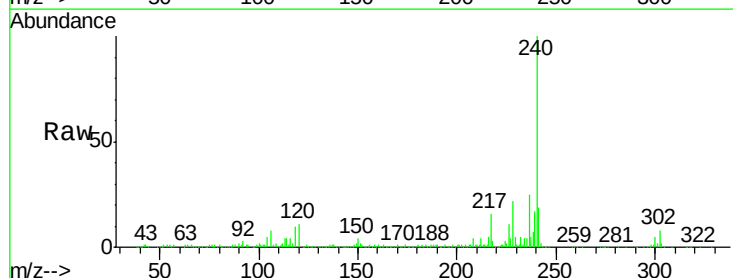
Tgt Ion:240 Resp: 260124

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

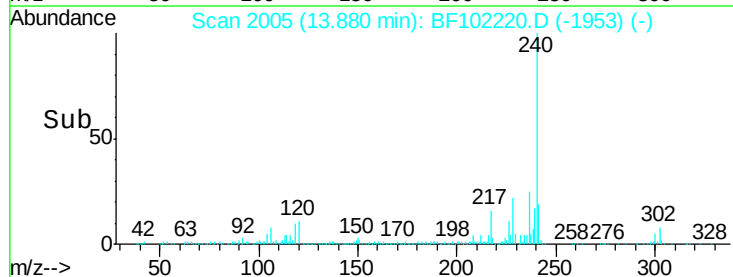
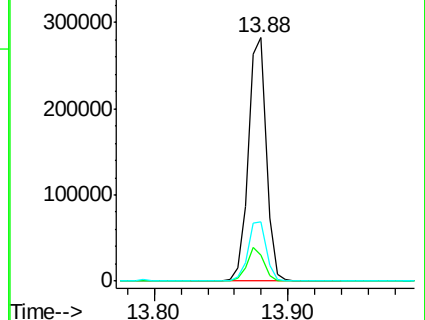
236 24.6 20.7 31.1

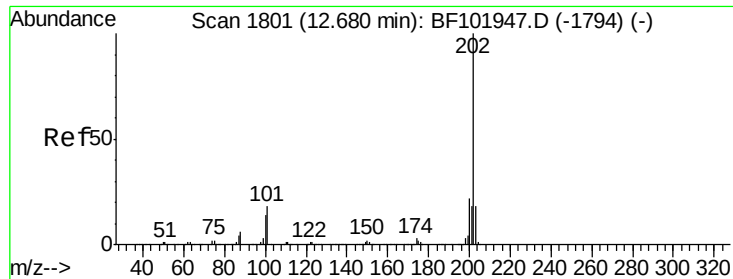


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 47.752 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

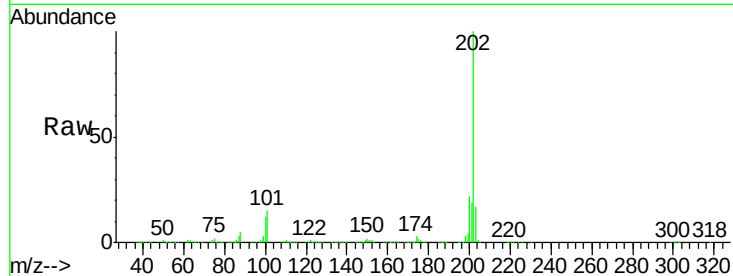
Tgt Ion:202 Resp: 1097977

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

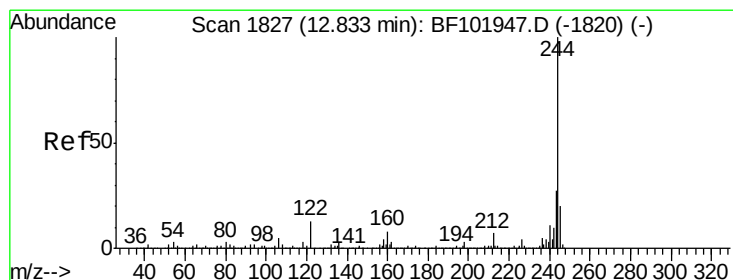
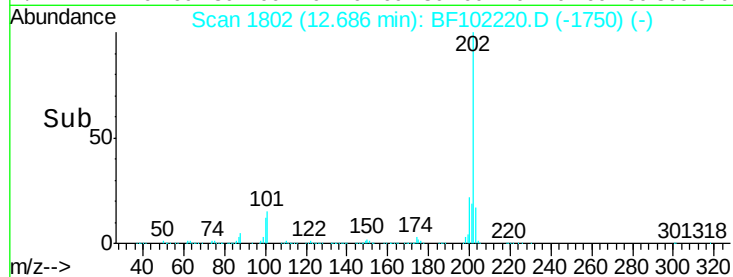
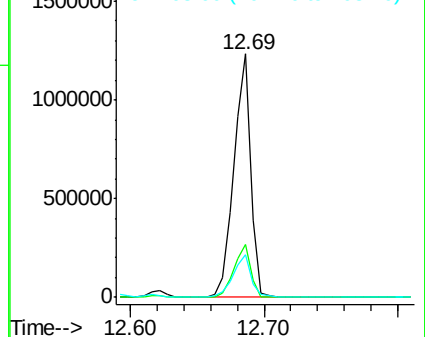
203 17.5 14.3 21.5



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: 3.684 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

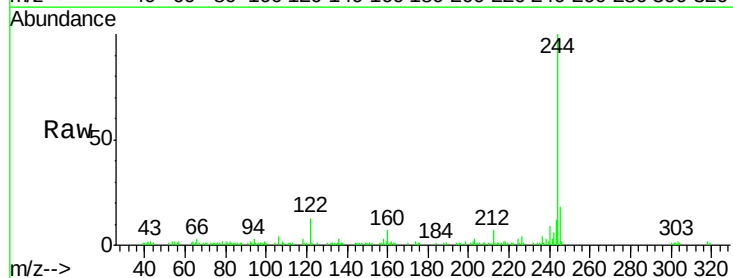
Tgt Ion:244 Resp: 46159

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

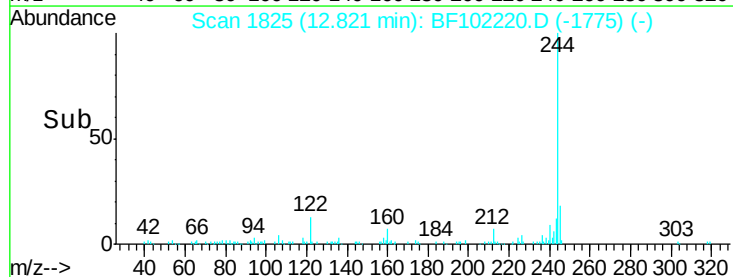
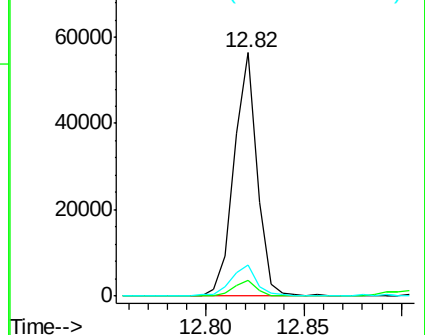
122 12.7 11.0 16.4

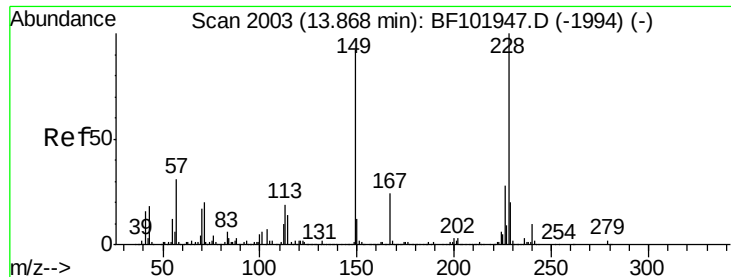


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 24.165 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.04 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

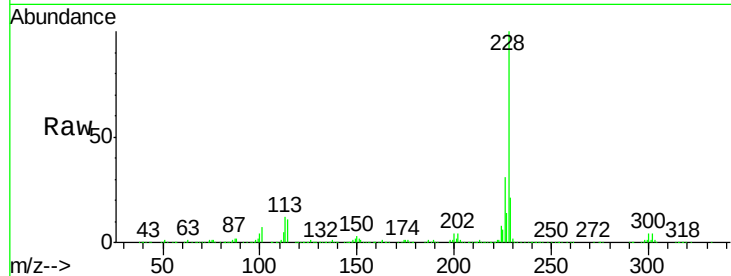
Tgt Ion:228 Resp: 401056

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

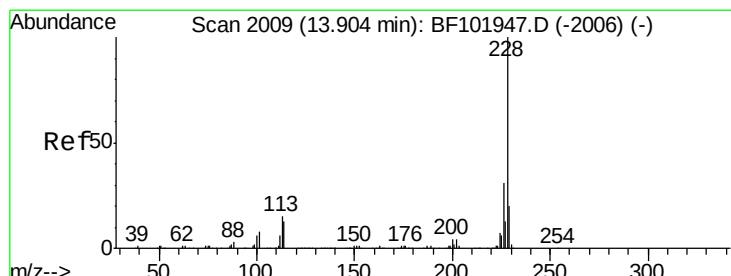
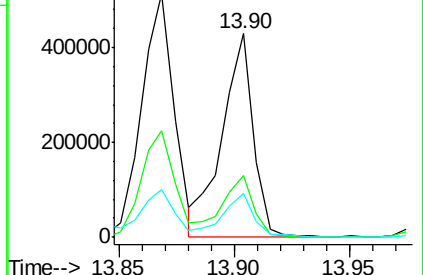
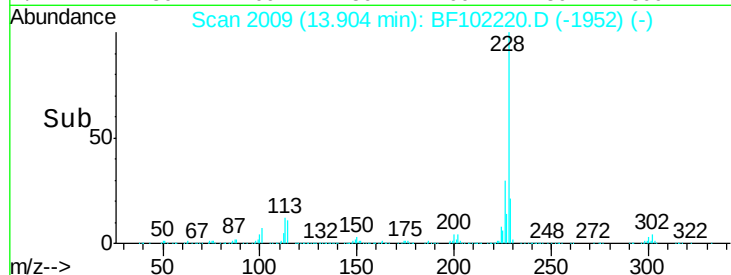
229 21.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 23.175 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

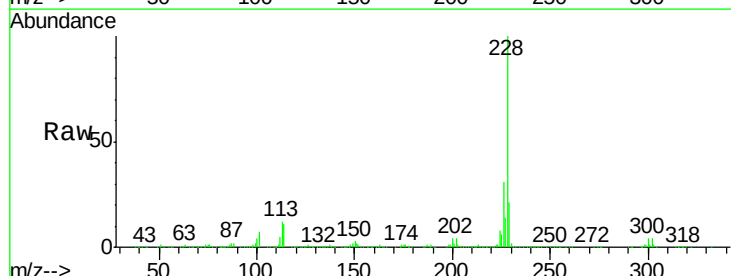
Tgt Ion:228 Resp: 401056

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

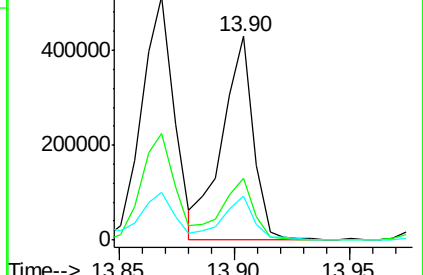
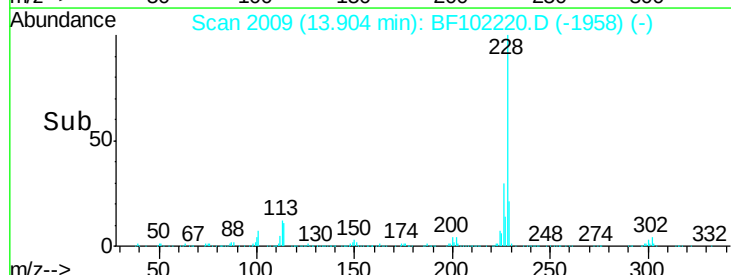
229 21.3 16.2 24.4

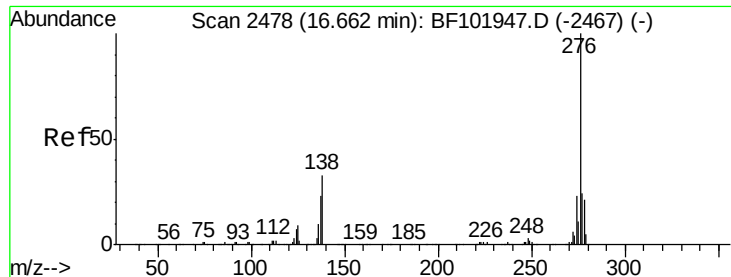


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 13.312 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

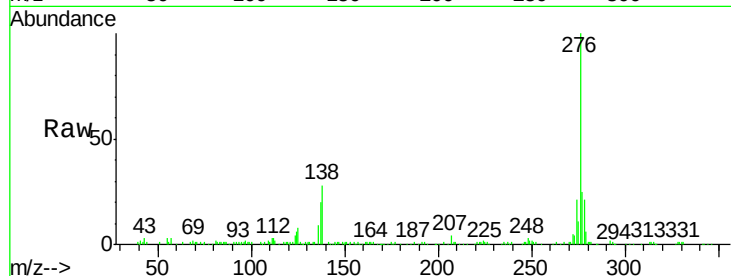
Tgt Ion:276 Resp: 167669

Ion Ratio Lower Upper

276 100

138 26.6 25.0 37.6

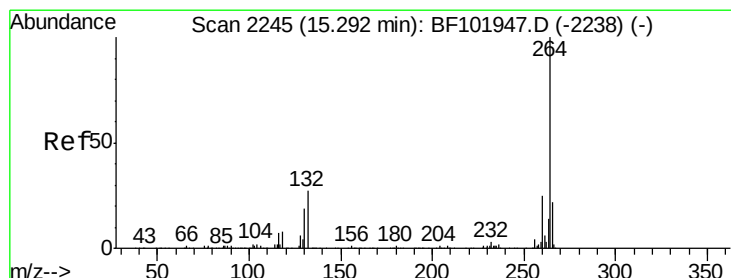
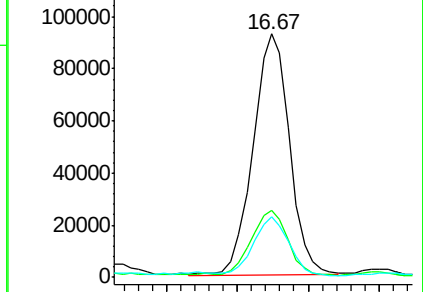
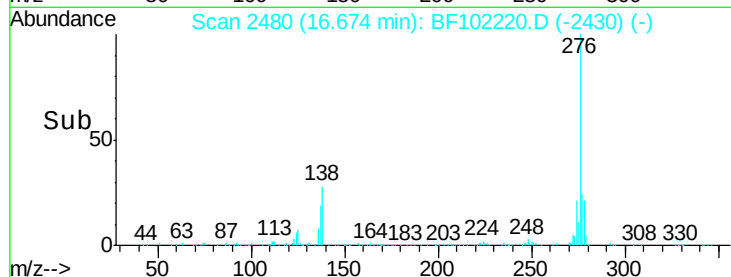
277 24.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

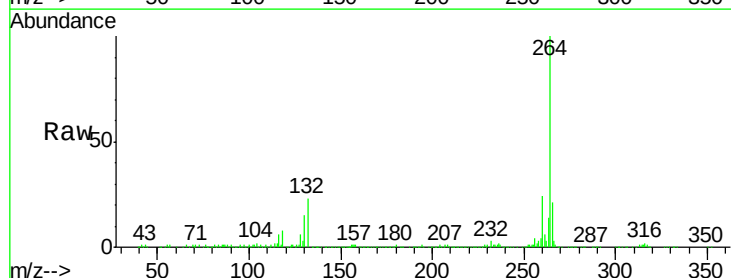
Tgt Ion:264 Resp: 240448

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

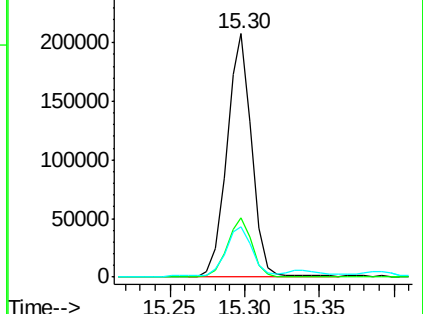
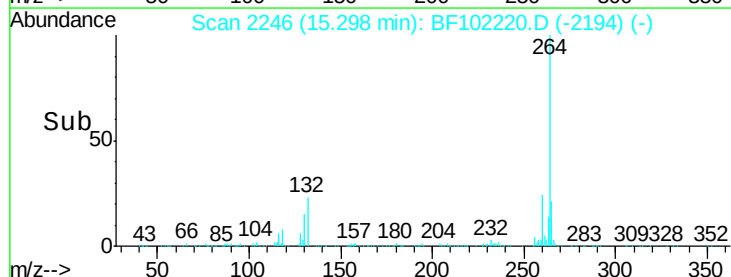
265 20.8 17.5 26.3

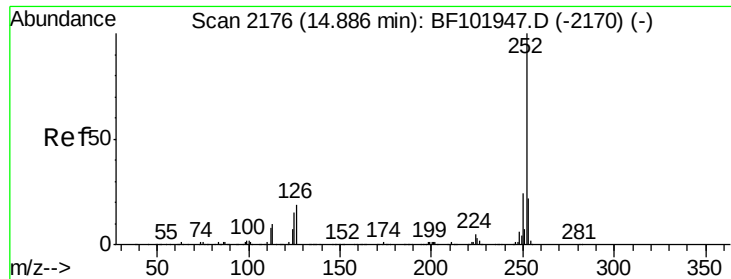


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.440 ng

RT: 14.99 min Scan# 2194

Delta R.T. 0.10 min

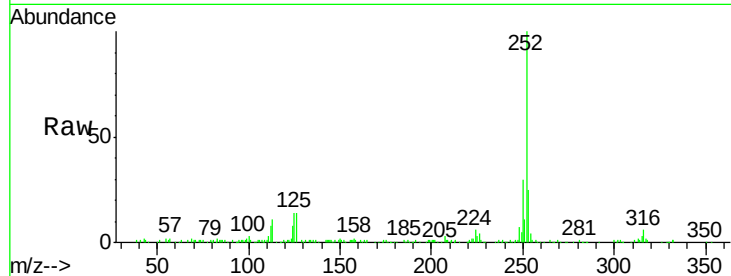
Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :
BNA_F
ClientSampleId :
A2 SB74 BOT-N 10

Tgt Ion:252 Resp: 116641

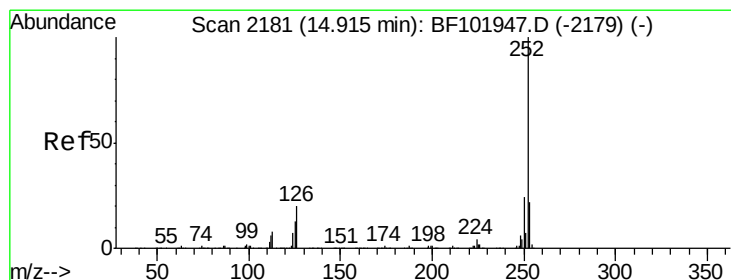
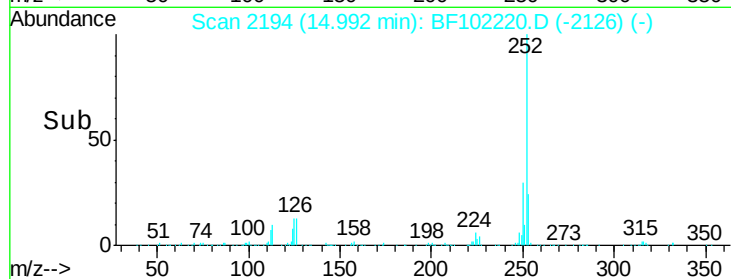
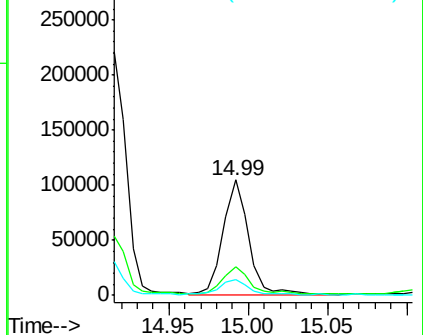
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	13.5	9.0	13.6



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



#88

Benzo(k)fluoranthene

Concen: 42.286 ng

RT: 14.89 min Scan# 2177

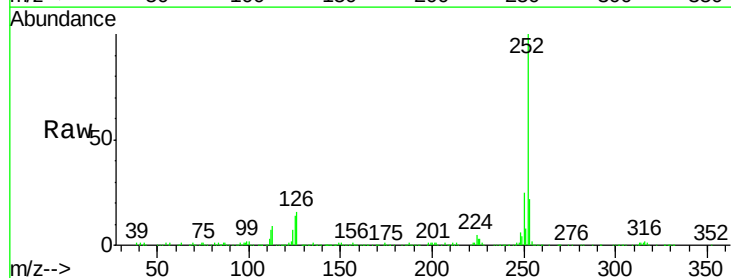
Delta R.T. -0.02 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Tgt Ion:252 Resp: 639537

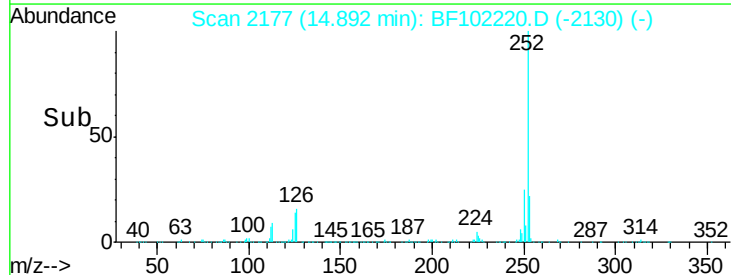
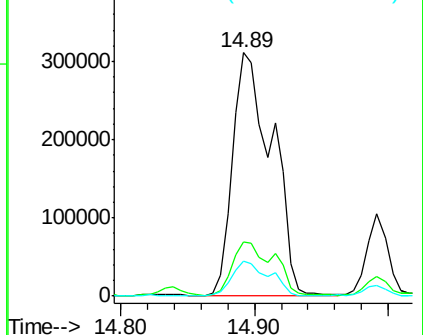
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.3	10.2	15.2

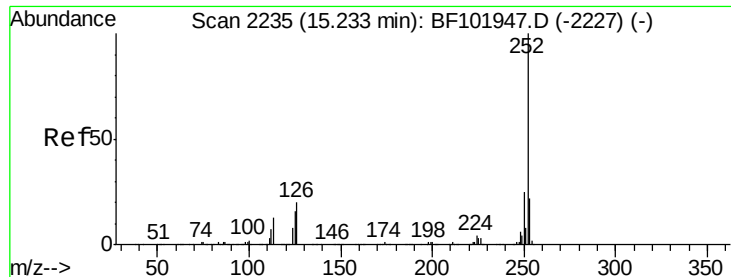


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 25.581 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10

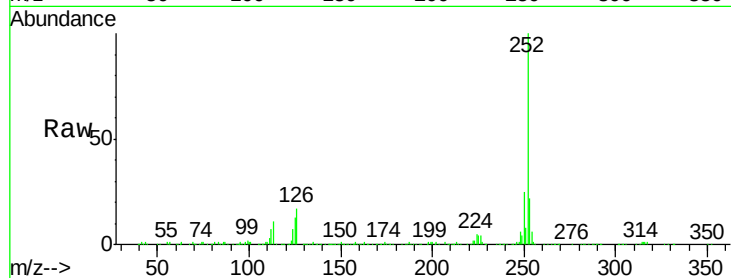
Tgt Ion:252 Resp: 360893

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

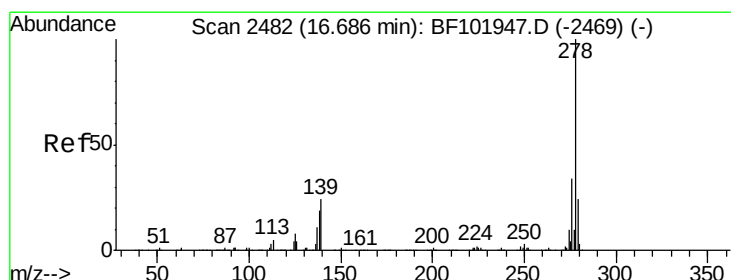
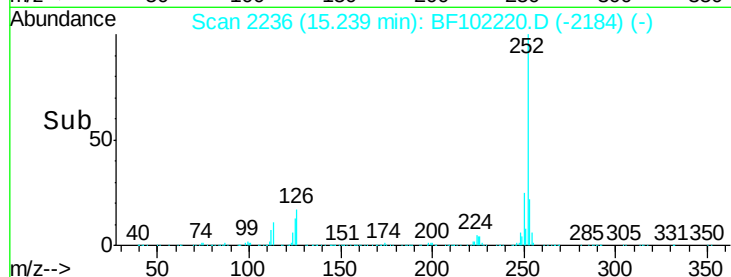
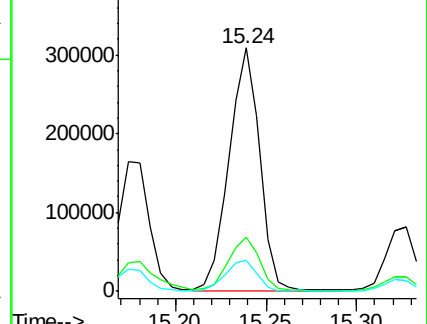
125 12.8 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.252 ng

RT: 16.84 min Scan# 2509

Delta R.T. 0.15 min

Lab File: BF102220.D

Acq: 19 Jan 2018 14:12

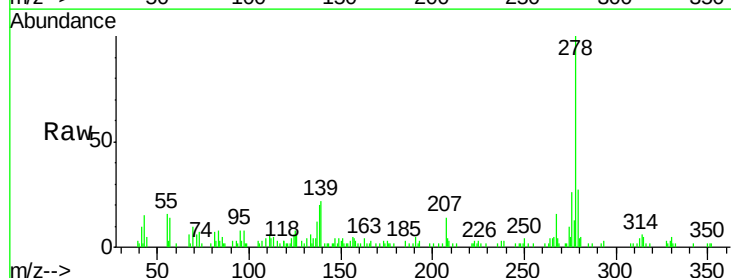
Tgt Ion:278 Resp: 36618

Ion Ratio Lower Upper

278 100

139 21.8 15.9 23.9

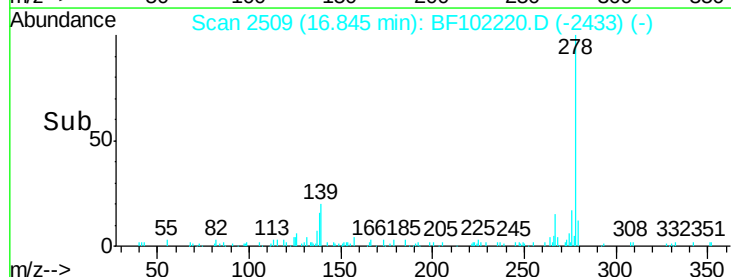
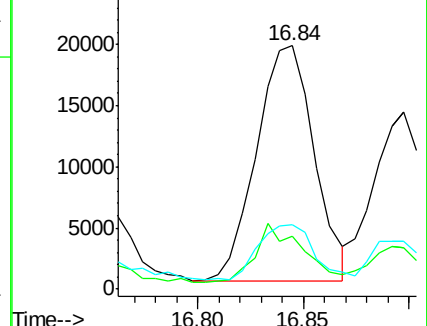
279 26.7 19.0 28.4

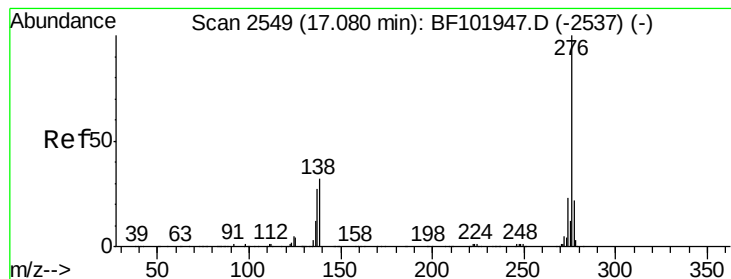


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.972 ng

RT: 17.09 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BF102220.D

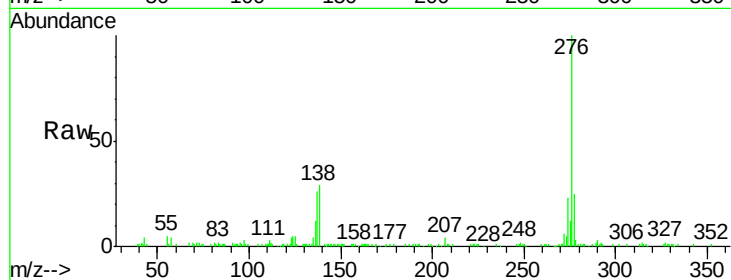
Acq: 19 Jan 2018 14:12

Instrument :

BNA_F

ClientSampleId :

A2 SB74 BOT-N 10



Tgt Ion: 276 Resp: 135775

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 29.0 21.8 32.8

