

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF102003.D
 Acq On : 11 Jan 2018 2:10
 Operator : SJ/JU
 Sample : J1076-18 50X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-42-01

Quant Time: Jan 11 05:00:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	202957	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	805033	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	328265	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	480095	20.00	ng	0.00
75) Chrysene-d12	13.87	240	335708	20.00	ng	0.00
86) Perylene-d12	15.29	264	387706	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	6426	0.45	ng	0.00
7) Phenol-d6	6.35	99	8164	0.48	ng	0.00
23) Nitrobenzene-d5	7.28	82	4495	0.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	1024	0.36	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	9603	0.46	ng	-0.01
78) Terphenyl-d14	12.82	244	6896	0.43	ng	-0.01

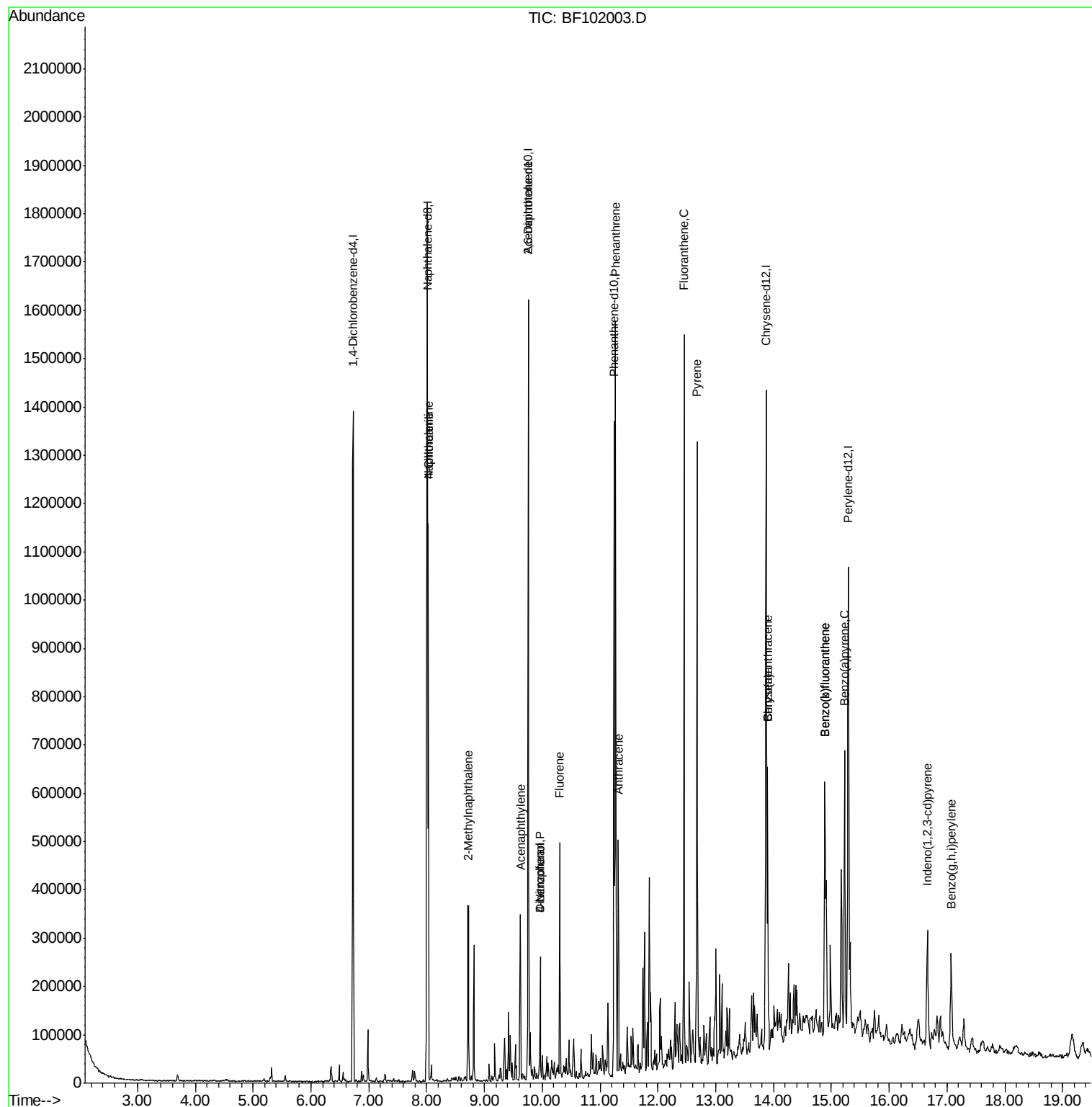
Target Compounds				Qvalue		
31) Naphthalene	8.03	128	443255	11.019	ng	99
33) 4-Chloroaniline	8.03	127	56752	3.305	ng	# 33
37) 2-Methylnaphthalene	8.72	142	99485	3.757	ng	98
48) Acenaphthylene	9.62	152	135781	3.803	ng	99
50) 2,6-Dinitrotoluene	9.76	165	44853	8.527	ng	# 25
54) Dibenzofuran	9.96	168	76332	2.566	ng	100
55) 4-Nitrophenol	9.96	139	28619	5.785	ng	# 11
57) Fluorene	10.30	166	113409	5.515	ng	100
70) Phenanthrene	11.27	178	554358	19.767	ng	98
71) Anthracene	11.32	178	157474	5.537	ng	98
74) Fluoranthene	12.45	202	517513	18.756	ng	100
77) Pyrene	12.68	202	474628	15.994	ng	99
80) Benzo(a)anthracene	13.90	228	201183	9.393	ng	96
82) Chrysene	13.90	228	201183	9.008	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	137475	8.457	ng	98
87) Benzo(b)fluoranthene	14.89	252	371444	14.693	ng	# 97
88) Benzo(k)fluoranthene	14.89	252	371444	15.231	ng	98
89) Benzo(a)pyrene	15.23	252	230640	10.139	ng	98
91) Benzo(a,h,i)perylene	17.07	276	126091	6.895	ng	95

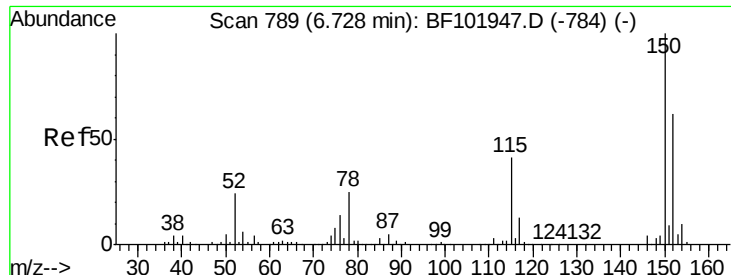
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF102003.D
Acq On : 11 Jan 2018 2:10
Operator : SJ/JU
Sample : J1076-18 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Quant Time: Jan 11 05:00:07 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 15:20:36 2018
Response via : Initial Calibration



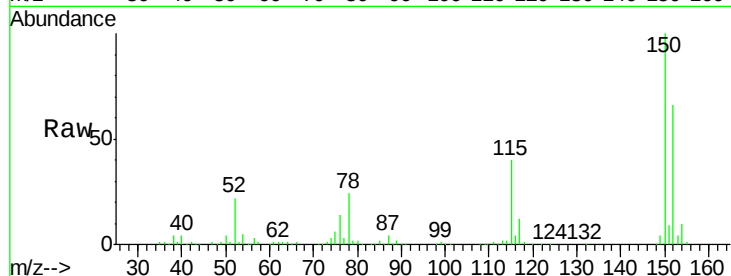


#1

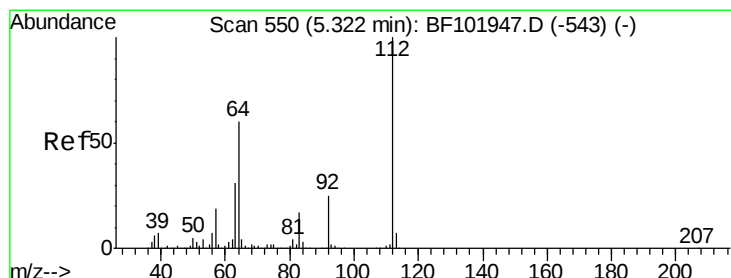
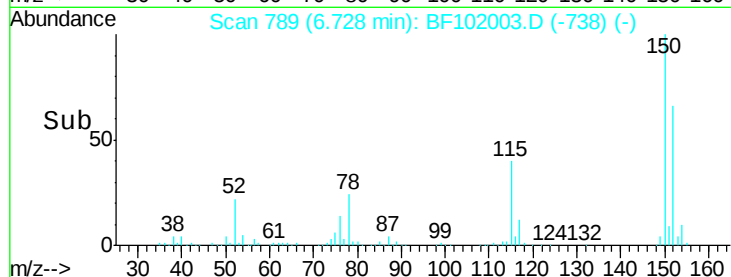
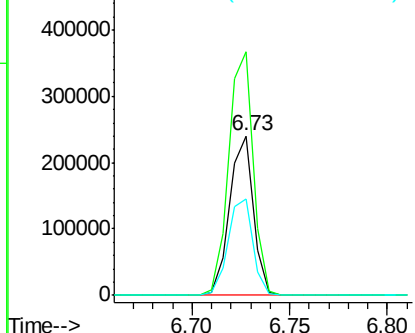
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	60.6	50.1	75.1



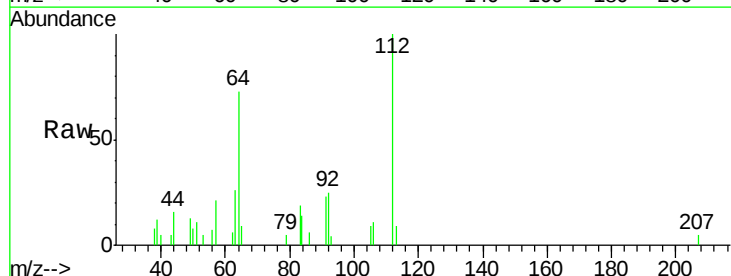
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



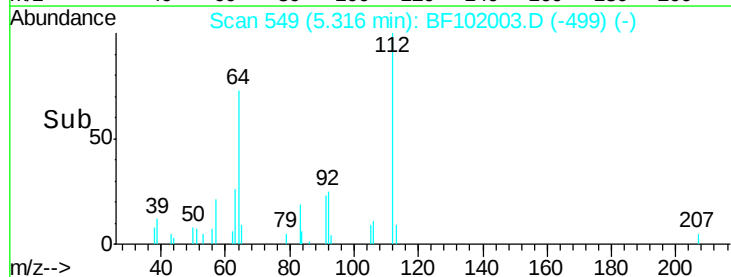
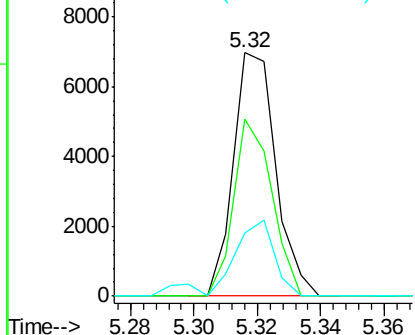
#5

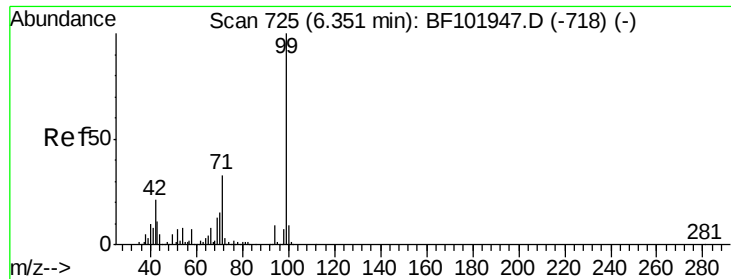
2-Fluorophenol
Concen: 0.447 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	47.9	71.9#
63	25.9	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: 0.476 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

Instrument :

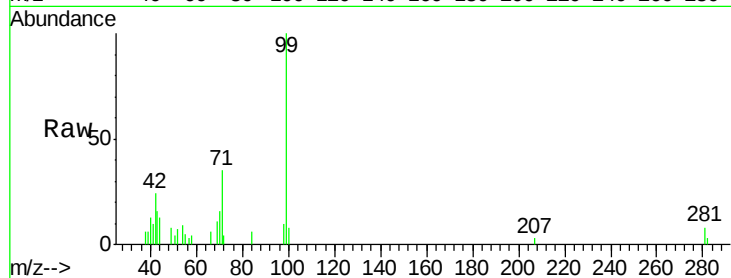
BNA_F

ClientSampleId :

WC-42-01

Tot Ion: 99 Resp: 8164

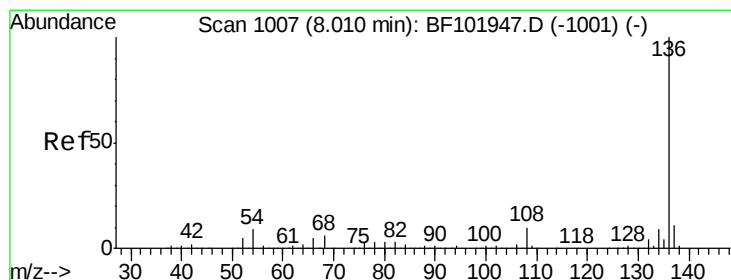
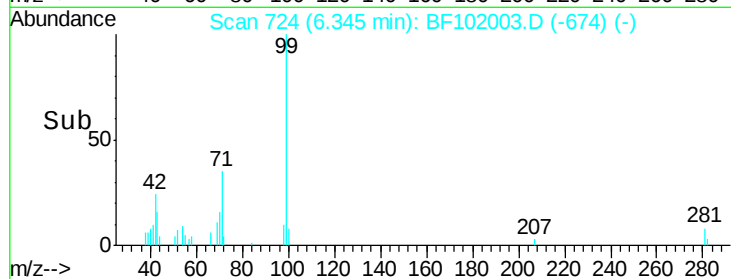
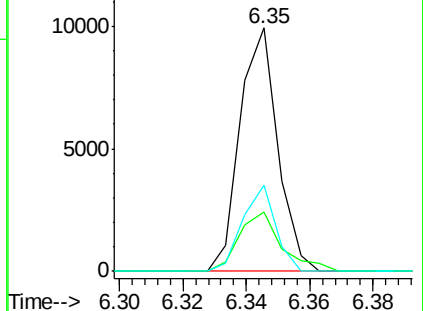
Ion	Ratio	Lower	Upper
99	100		
42	24.5	14.5	21.7#
71	35.5	25.4	38.0



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

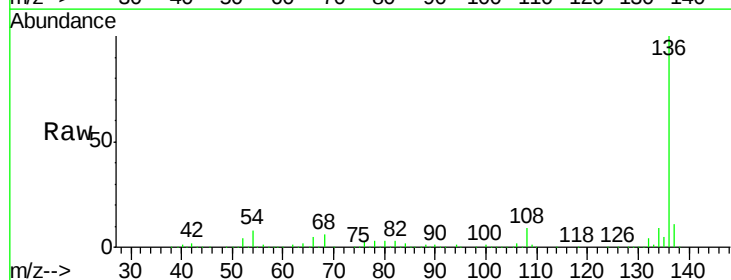
Delta R.T. -0.00 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

Tgt Ion: 136 Resp: 805033

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	6.6	9.8
68	5.9	5.0	7.4

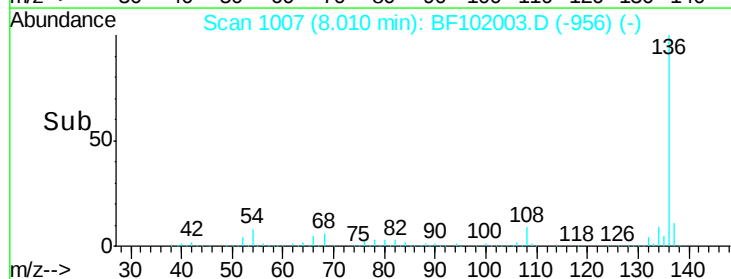
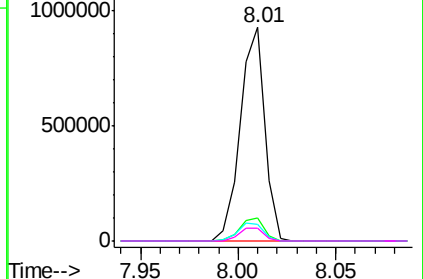


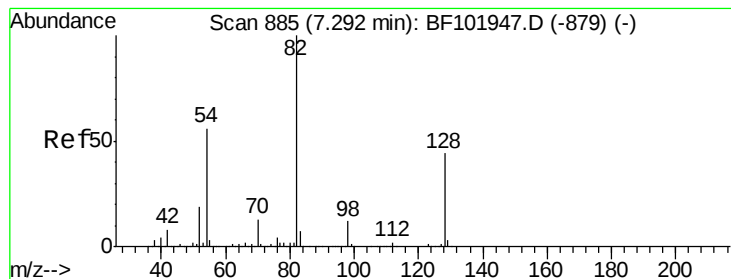
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.328 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

Instrument :

BNA_F

ClientSampleId :

WC-42-01

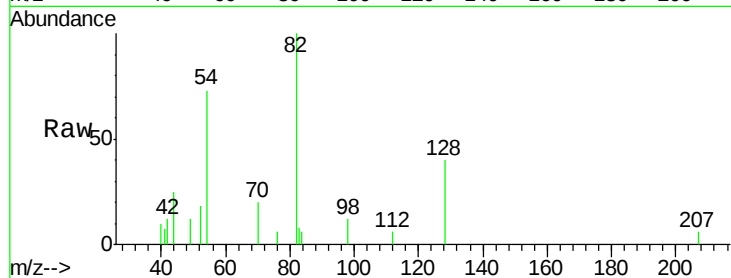
Tot Ion: 82 Resp: 4495

Ion Ratio Lower Upper

82 100

128 40.4 36.1 54.1

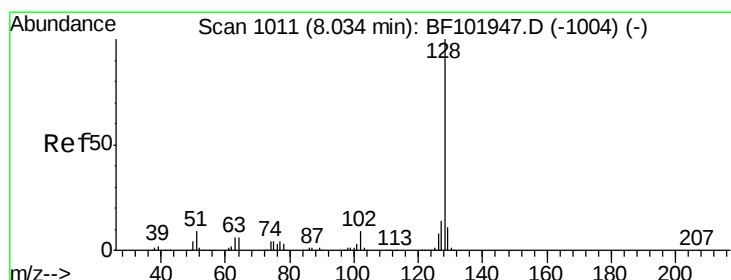
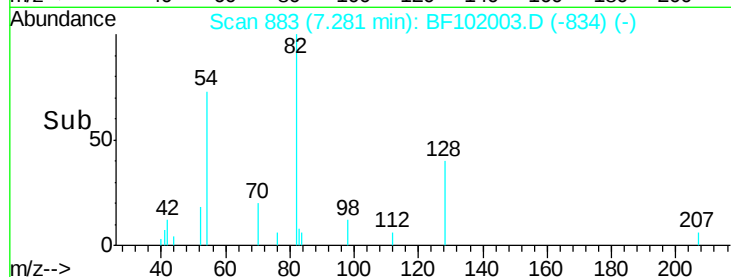
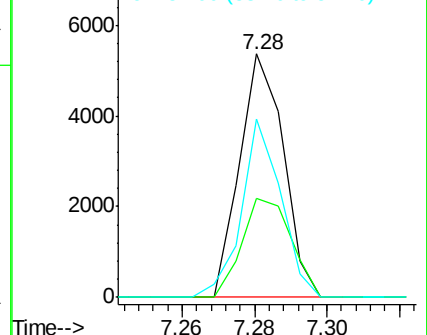
54 73.0 41.4 62.2#

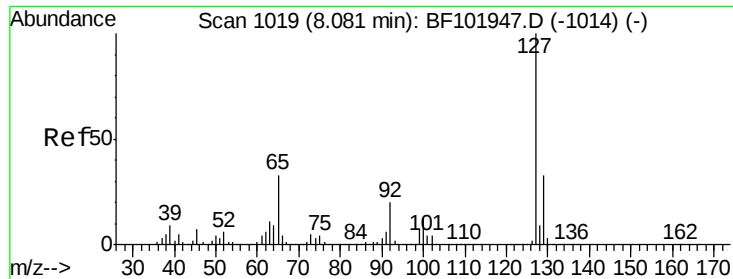


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

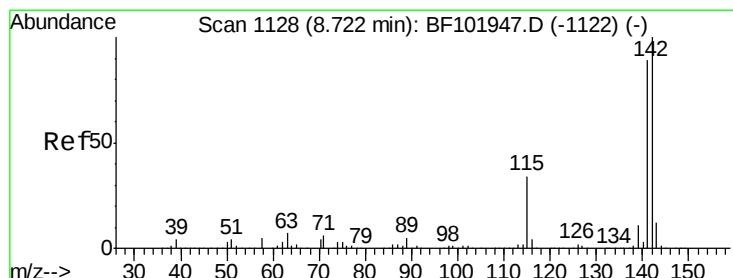
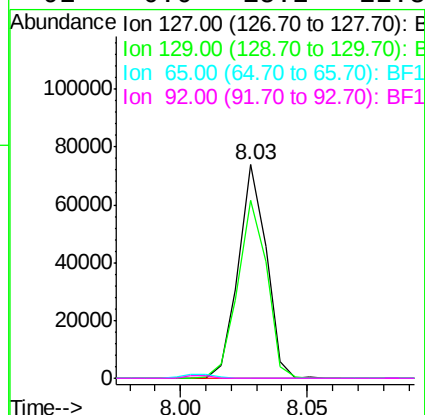
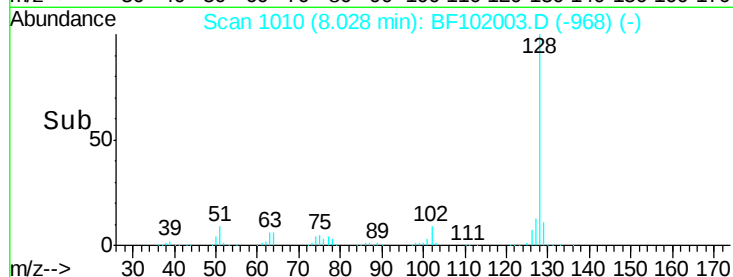
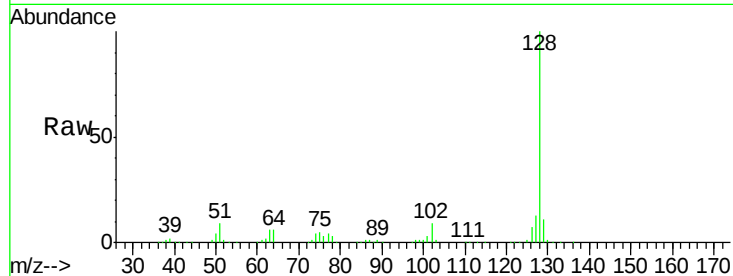




#33
4-Chloroaniline
Concen: 3.305 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.05 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

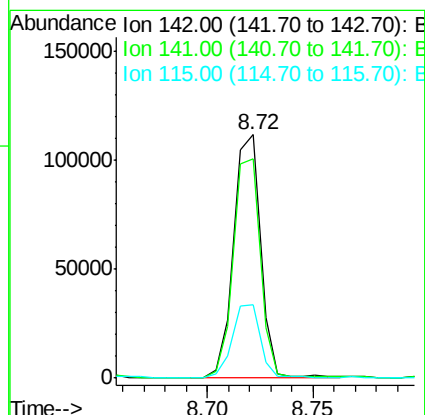
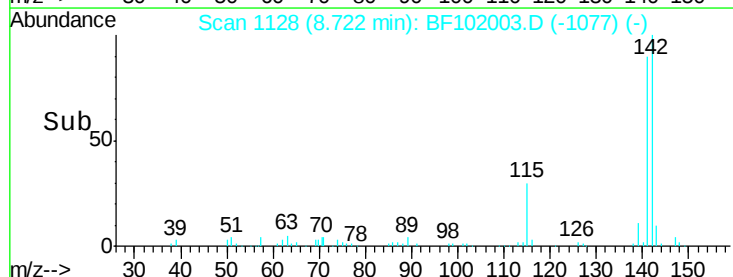
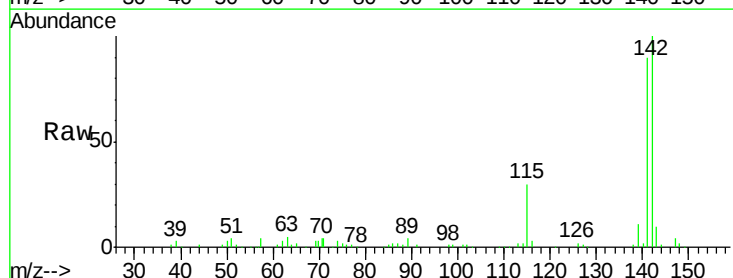
Instrument :
BNA_F
ClientSampleId :
WC-42-01

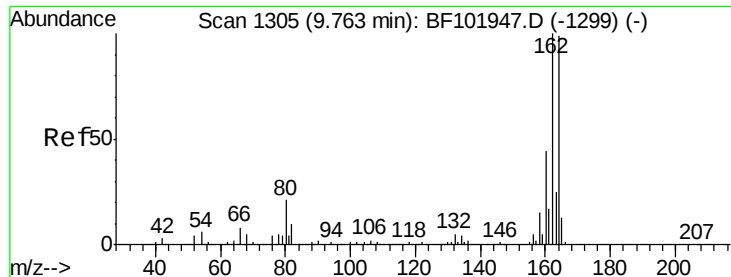
Tot Ion:127 Resp: 56752
Ion Ratio Lower Upper
127 100
129 83.5 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 3.757 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion:142 Resp: 99485
Ion Ratio Lower Upper
142 100
141 89.8 70.8 106.2
115 29.9 26.1 39.1

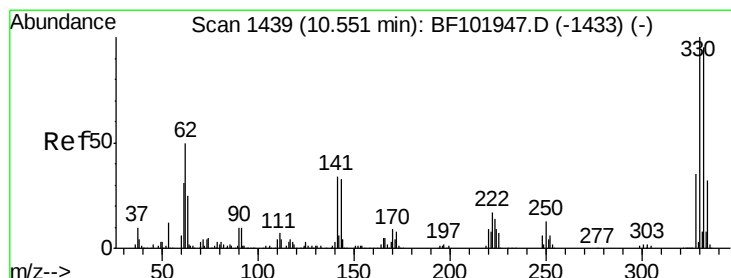
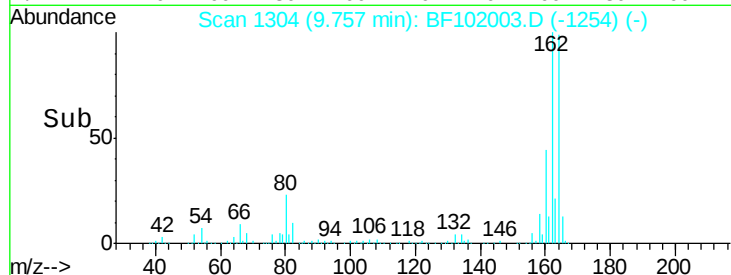
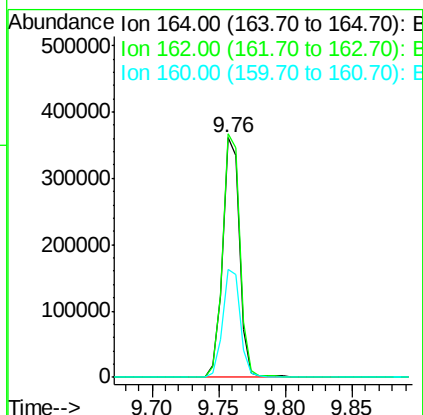
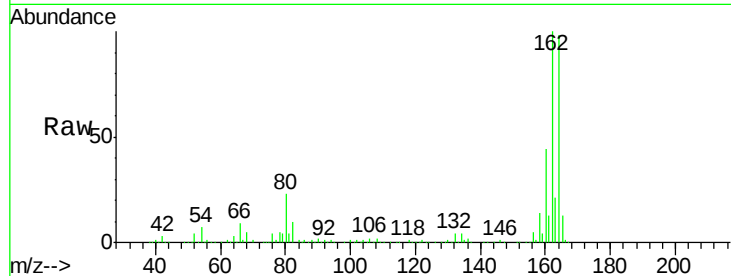




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

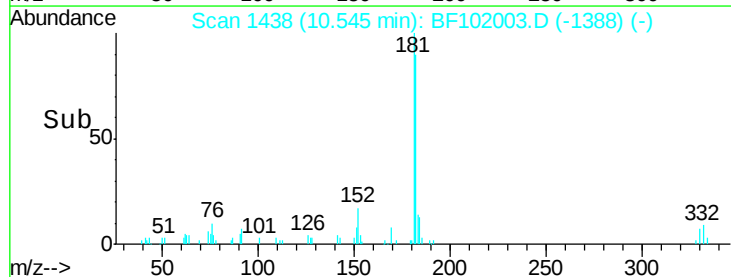
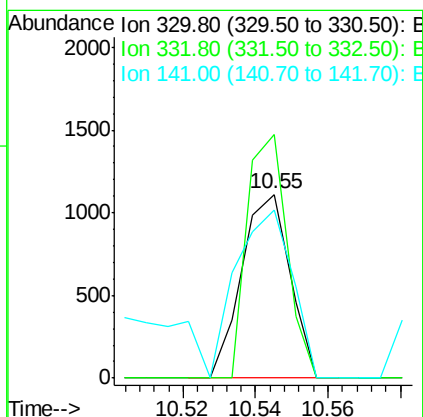
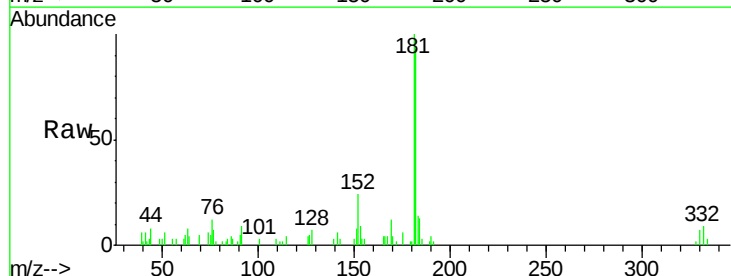
Instrument :
BNA_F
ClientSampleId :
WC-42-01

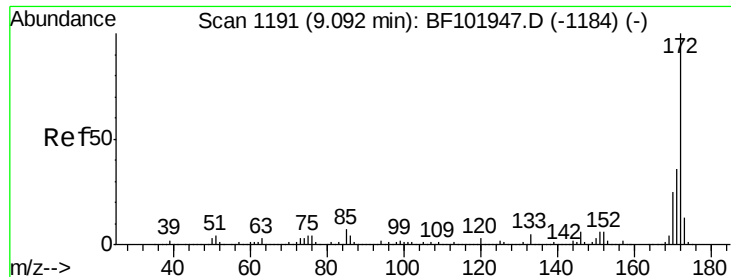
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	44.9	38.3	57.5



#41
2,4,6-Tribromophenol
Concen: 0.357 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	109.1	77.0	115.6
141	106.4	29.9	44.9#

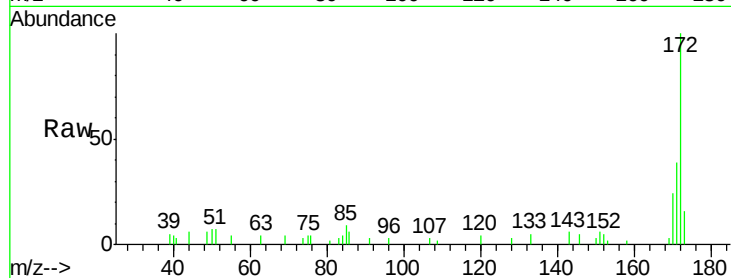




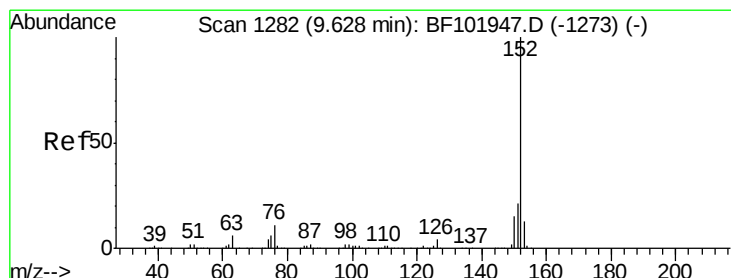
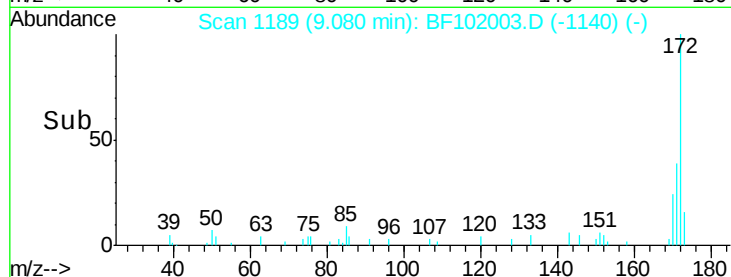
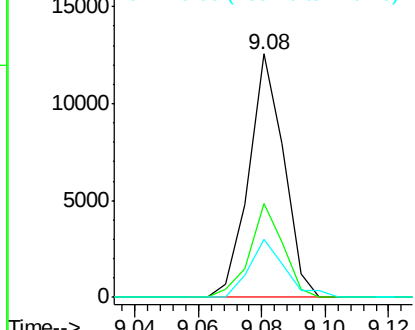
#44
2-Fluorobiphenyl
Concen: 0.457 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Tot Ion:172 Resp: 9603
Ion Ratio Lower Upper
172 100
171 38.7 29.7 44.5
170 23.8 19.6 29.4

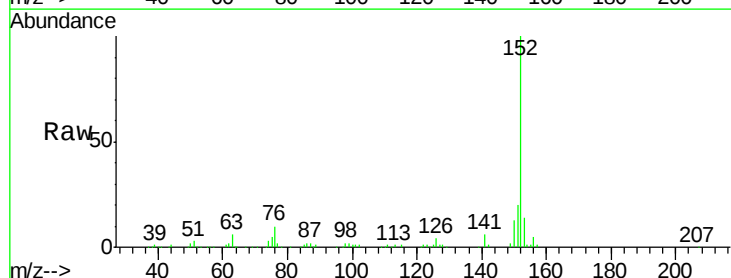


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

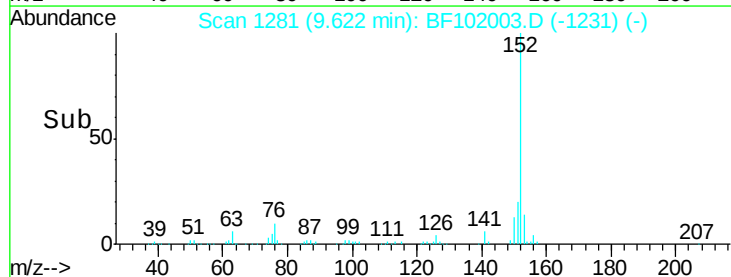
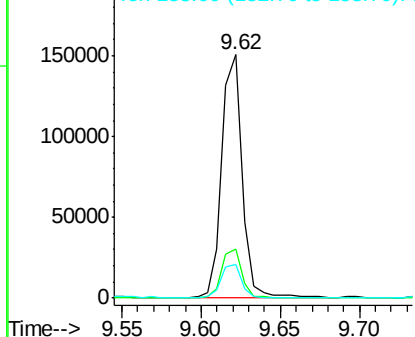


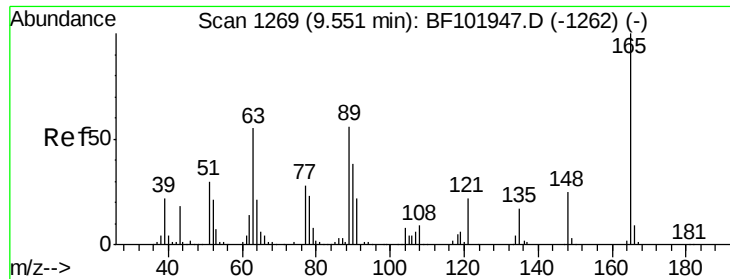
#48
Acenaphthylene
Concen: 3.803 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion:152 Resp: 135781
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 13.6 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

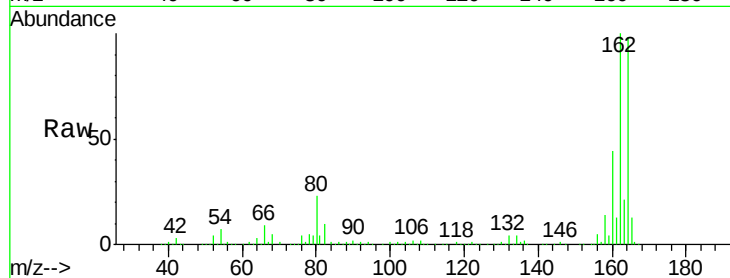




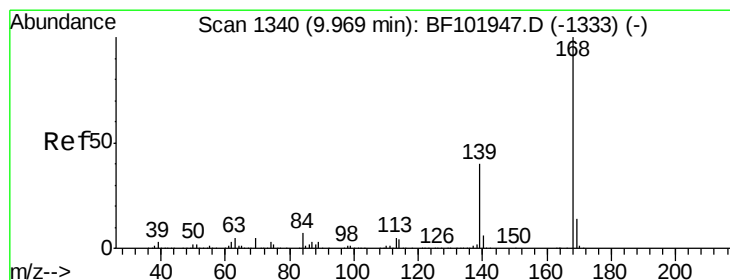
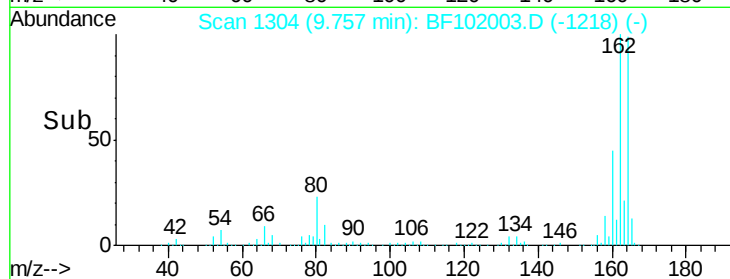
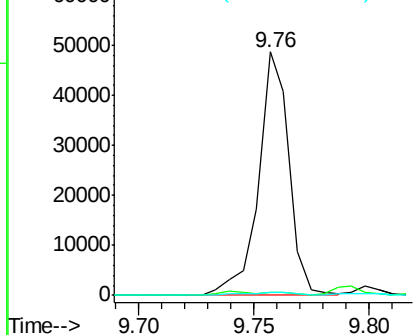
#50
2,6-Dinitrotoluene
Concen: 8.527 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Tot Ion:165 Resp: 44853
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.1 44.0 66.0#

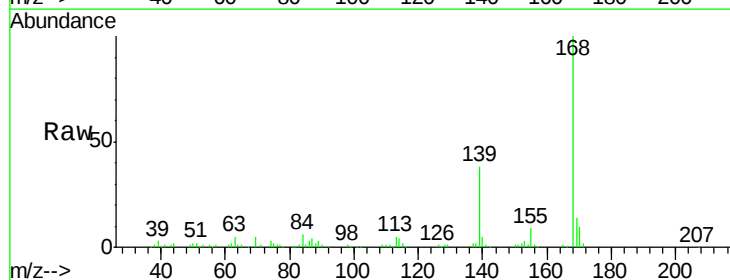


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

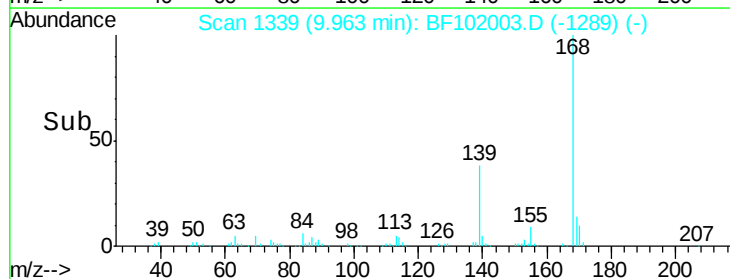
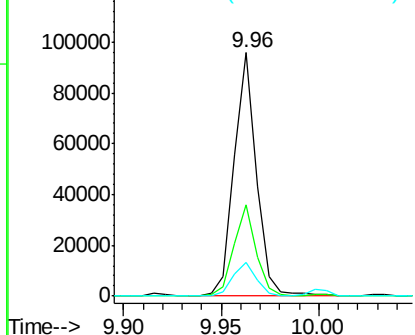


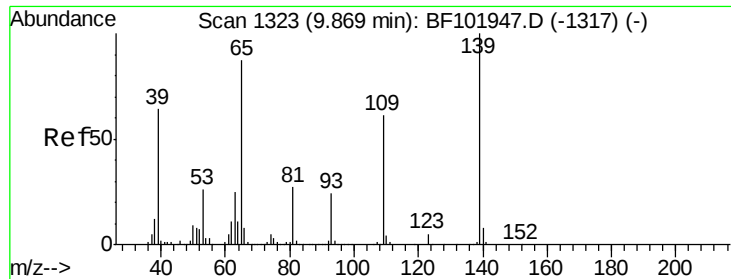
#54
Dibenzofuran
Concen: 2.566 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion:168 Resp: 76332
Ion Ratio Lower Upper
168 100
139 37.6 30.1 45.1
169 13.9 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

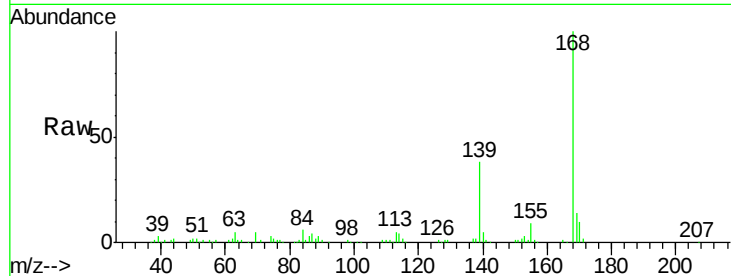




#55
4-Nitrophenol
Concen: 5.785 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.09 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.6	48.4	88.4#
65	2.4	72.6	112.6#

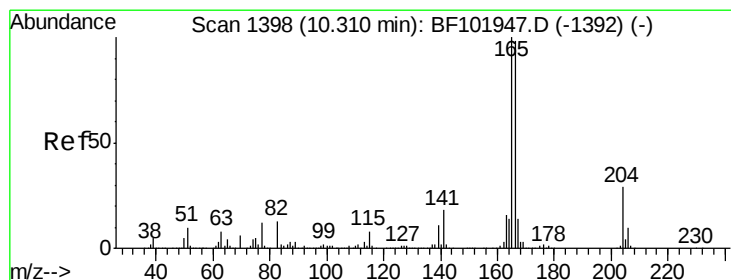
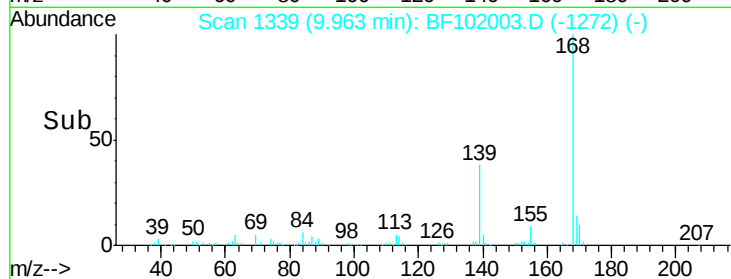
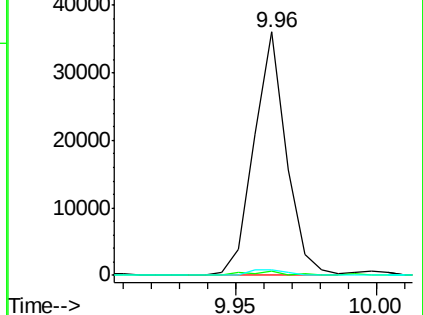


Abundance

Ion 139.00 (138.70 to 139.70): E

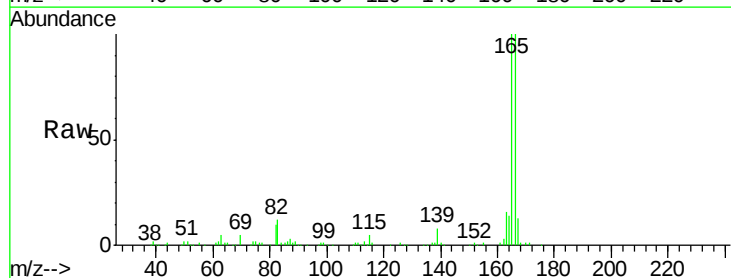
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
Fluorene
Concen: 5.515 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	12.9	10.6	16.0

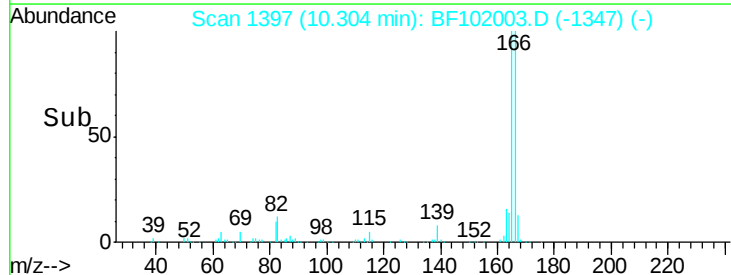
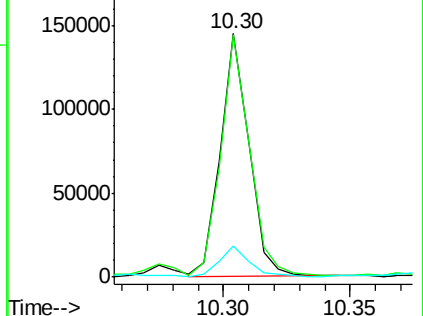


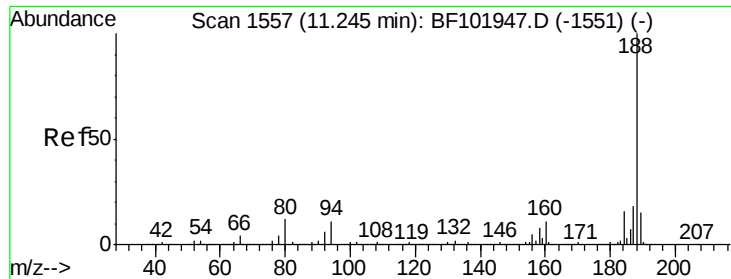
Abundance

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

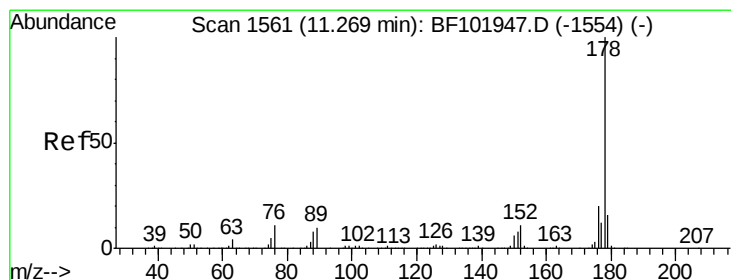
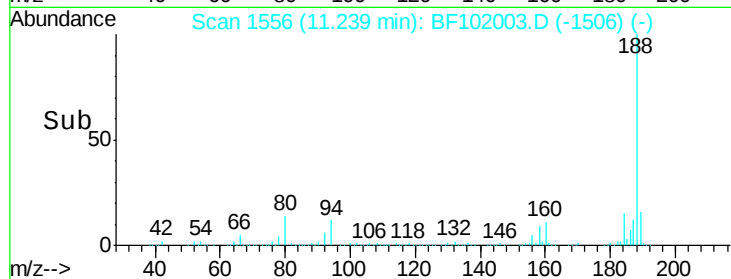
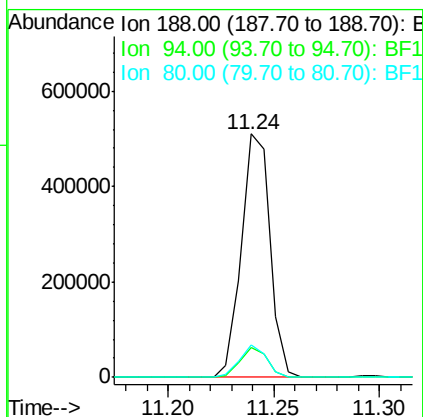
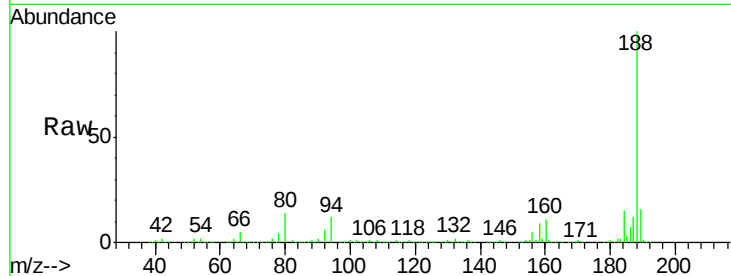




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

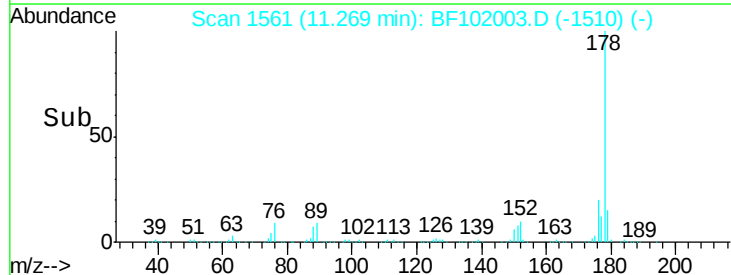
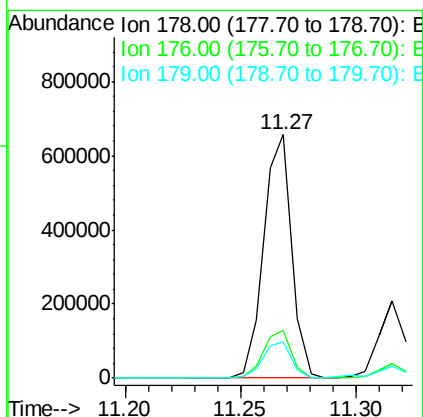
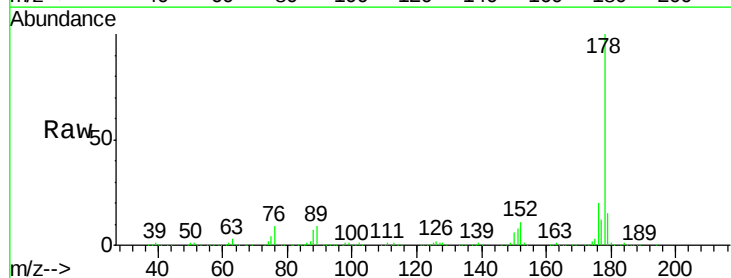
Instrument :
BNA_F
ClientSampleId :
WC-42-01

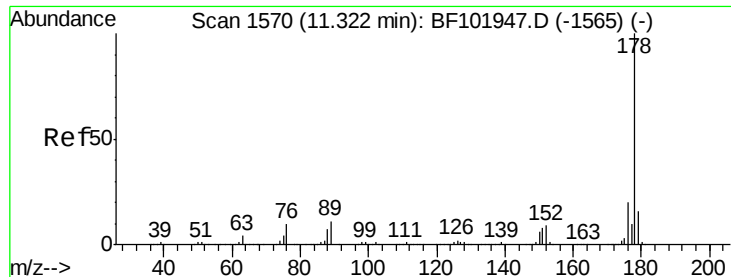
Tot Ion:188 Resp: 480095
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 13.6 9.2 13.8



#70
Phenanthrene
Concen: 19.767 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion:178 Resp: 554358
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 14.8 13.0 19.6





#71

Anthracene

Concen: 5.537 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

Instrument :

BNA_F

ClientSampleId :

WC-42-01

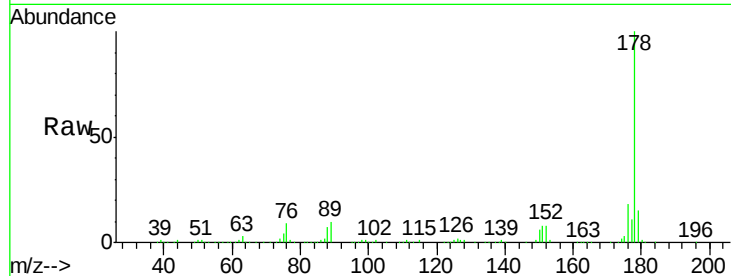
Tot Ion:178 Resp: 157474

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

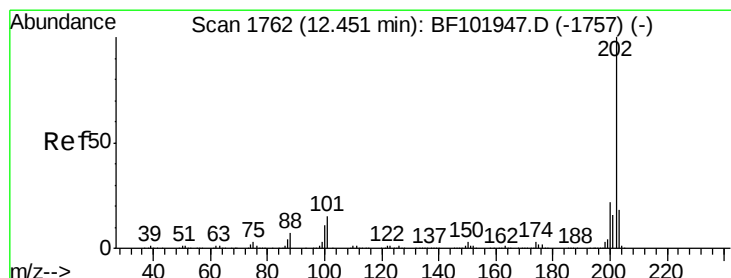
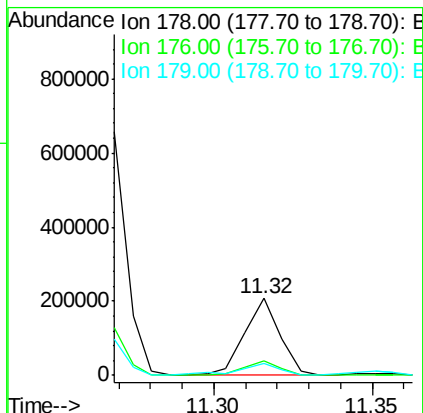
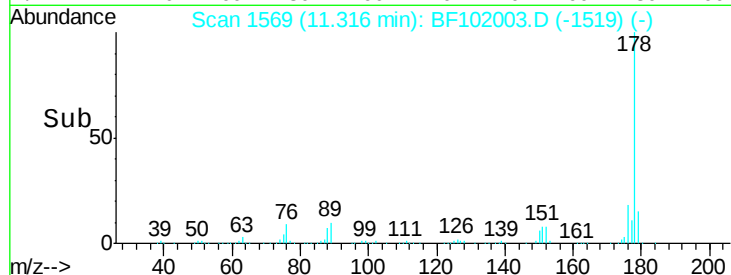
179 15.5 12.6 19.0



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



#74

Fluoranthene

Concen: 18.756 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

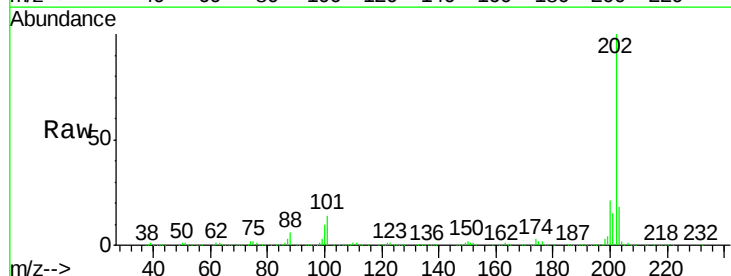
Tgt Ion:202 Resp: 517513

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

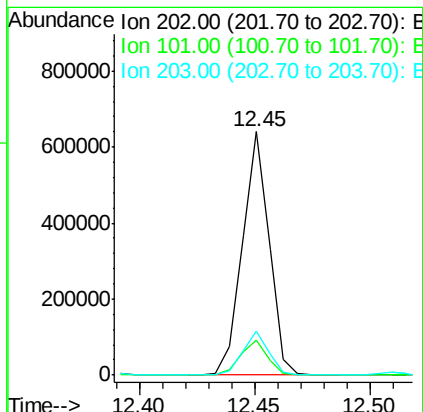
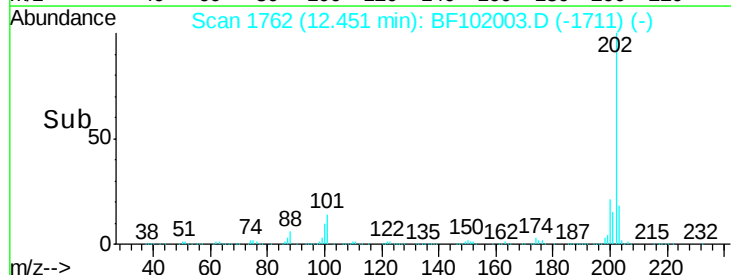
203 18.2 0.0 38.1

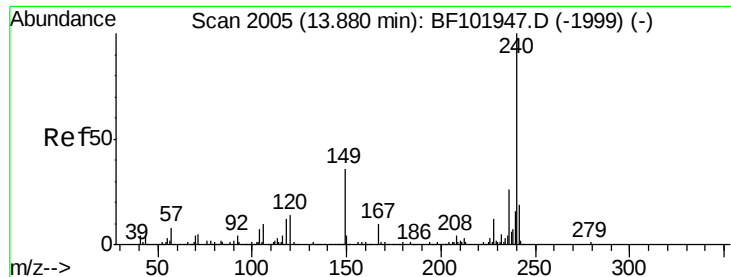


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

Instrument :

BNA_F

ClientSampled :

WC-42-01

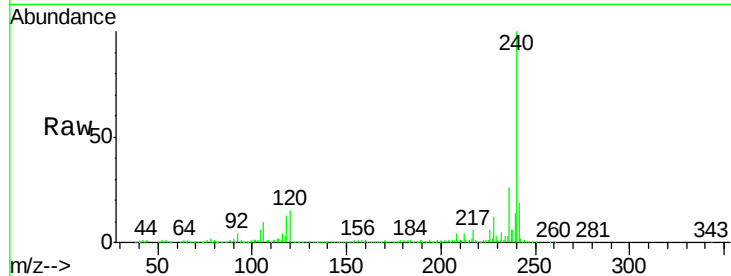
Tot Ion:240 Resp: 335708

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

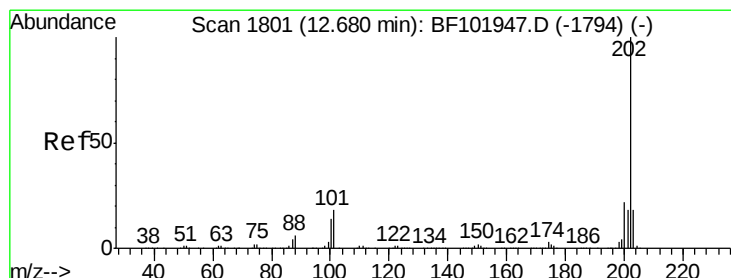
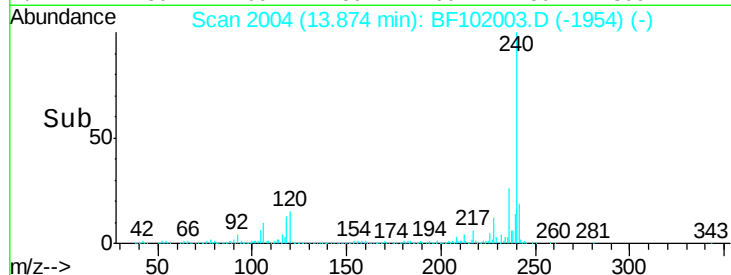
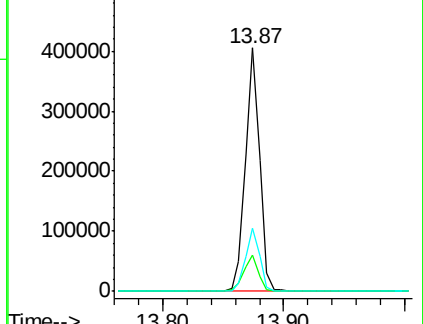
236 26.1 20.7 31.1



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: 15.994 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

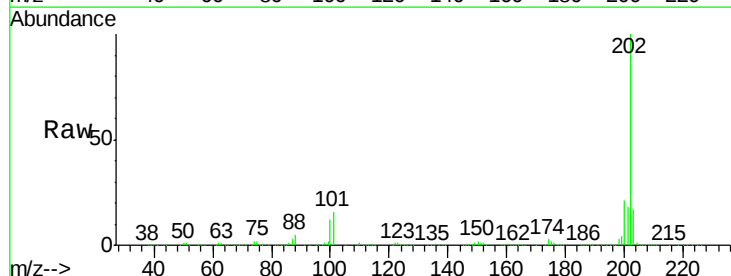
Tgt Ion:202 Resp: 474628

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

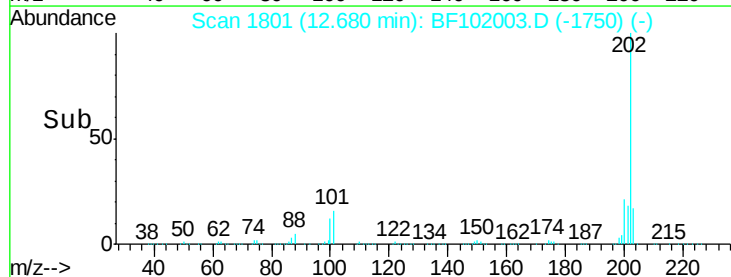
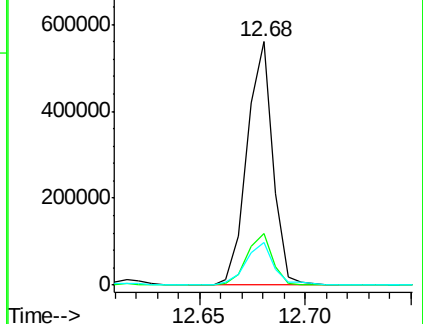
203 17.5 14.3 21.5

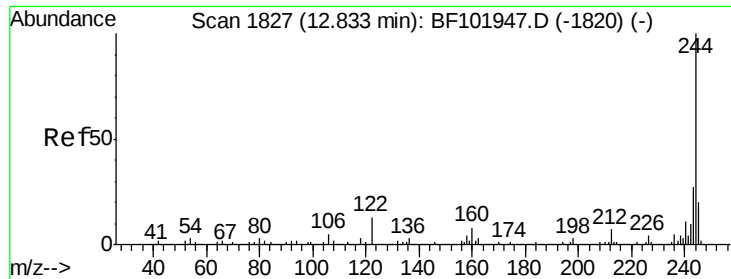


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

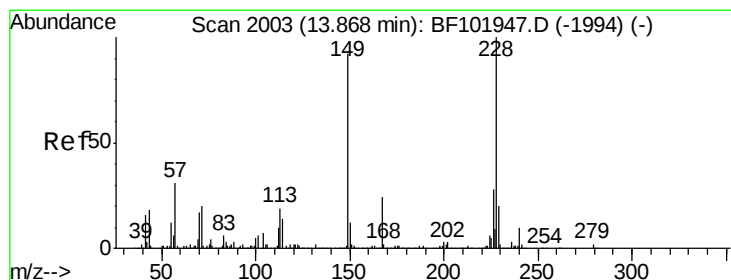
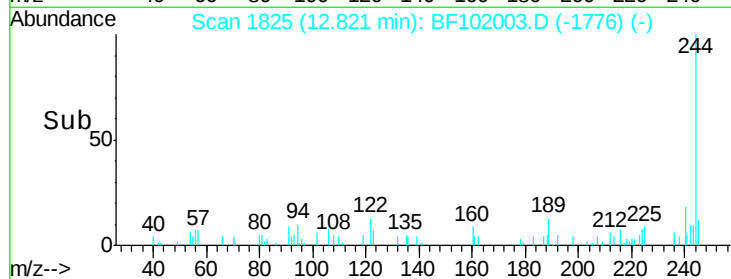
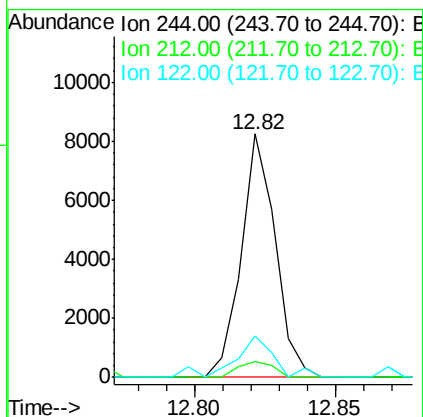
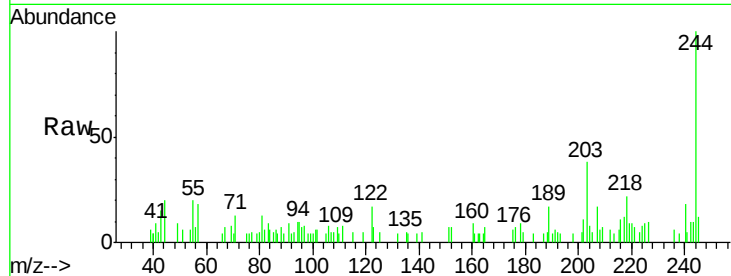




#78
 Terphenyl-d14
 Concen: 0.426 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102003.D
 Acq: 11 Jan 2018 2:10

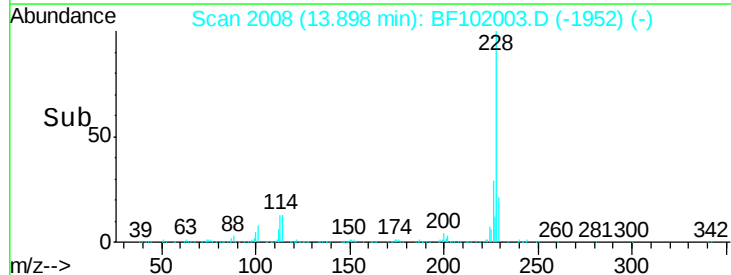
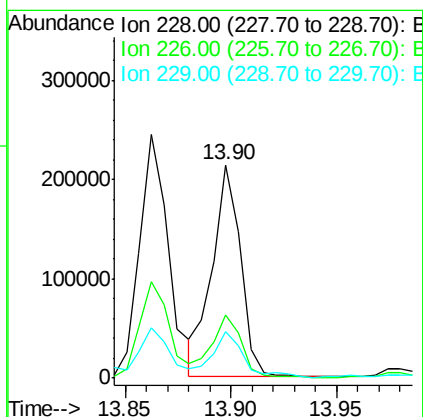
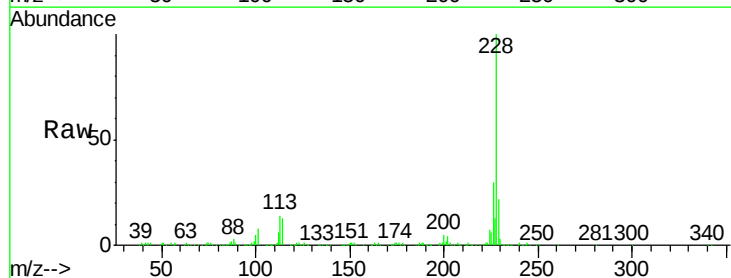
Instrument :
 BNA_F
 ClientSampleId :
 WC-42-01

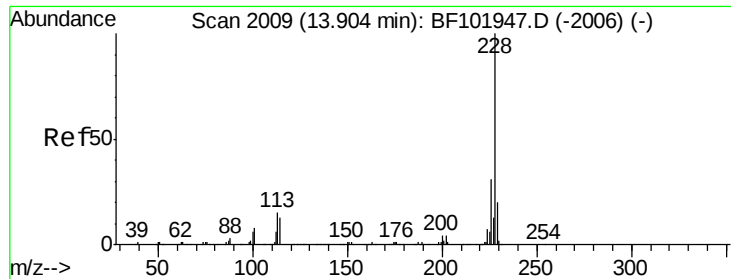
Tot Ion:244 Resp: 6896
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 17.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.393 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.03 min
 Lab File: BF102003.D
 Acq: 11 Jan 2018 2:10

Tgt Ion:228 Resp: 201183
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 22.1 15.8 23.6

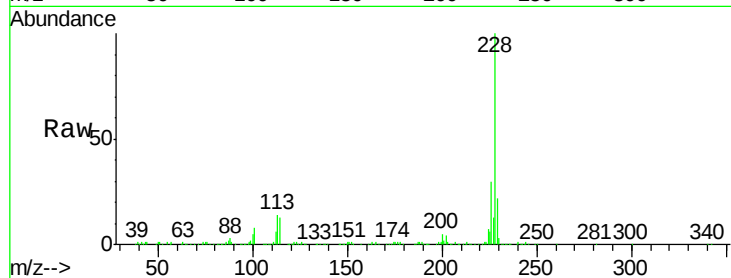




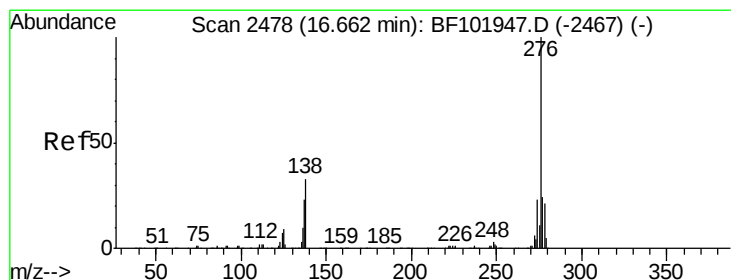
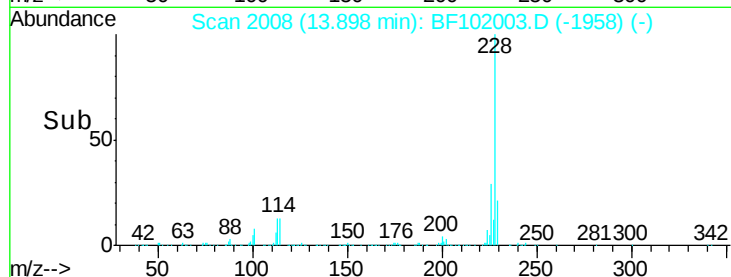
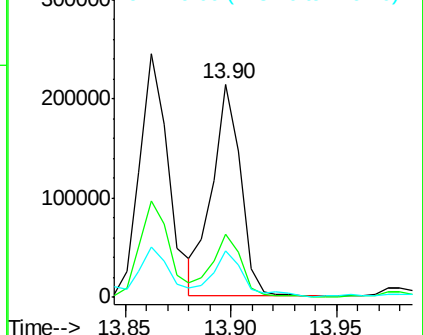
#82
Chrysene
Concen: 9.008 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Tot Ion:228 Resp: 201183
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 22.1 16.2 24.4

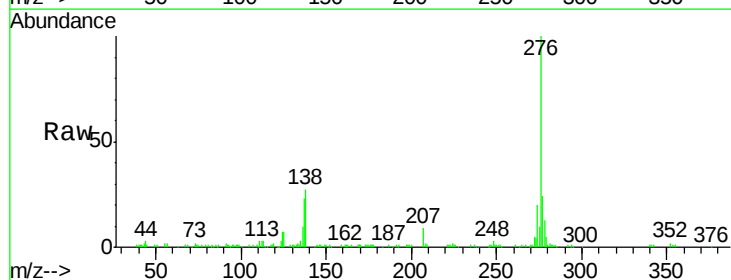


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

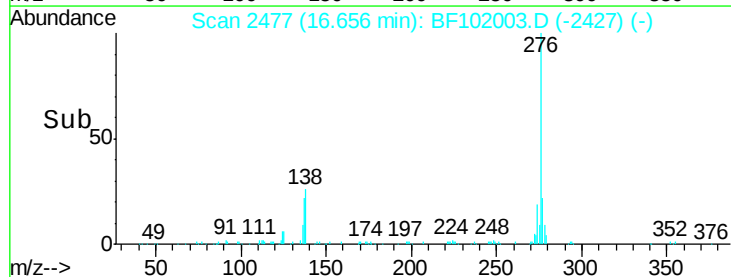
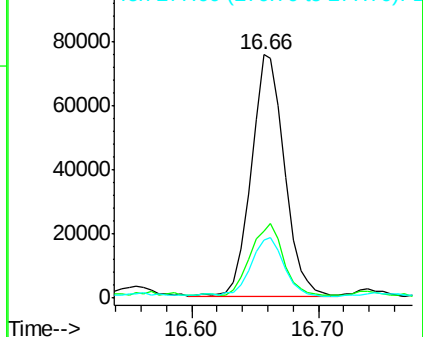


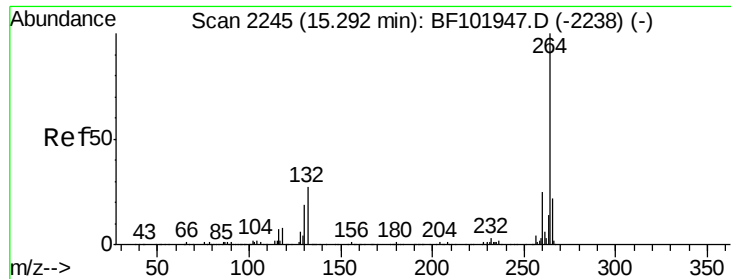
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.457 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion:276 Resp: 137475
Ion Ratio Lower Upper
276 100
138 29.8 25.0 37.6
277 24.5 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

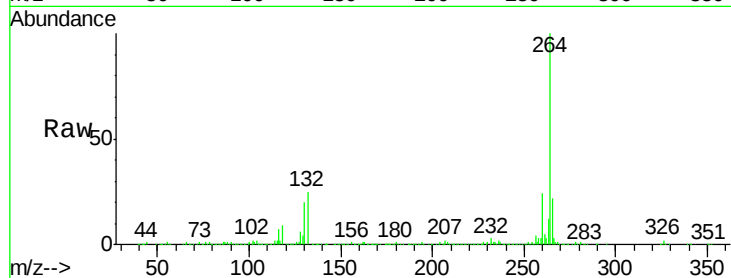




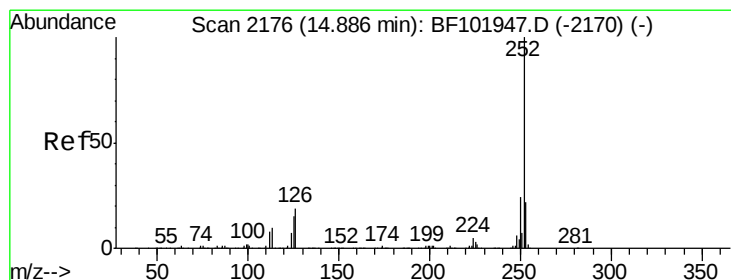
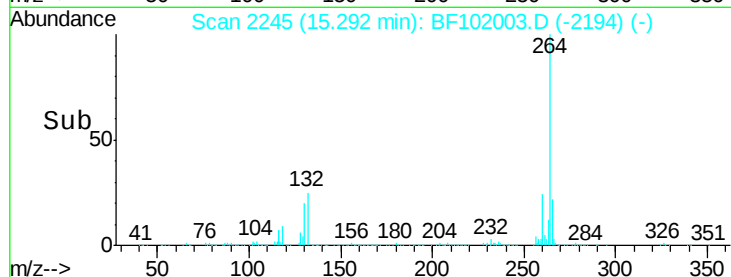
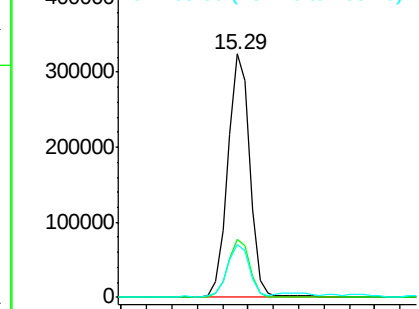
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Instrument :
BNA_F
ClientSampleId :
WC-42-01

Tot Ion:264 Resp: 387706
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.7 17.5 26.3

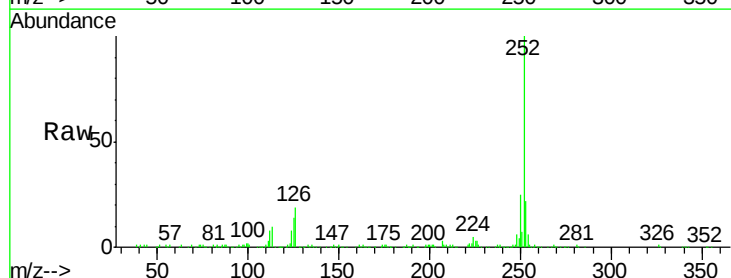


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

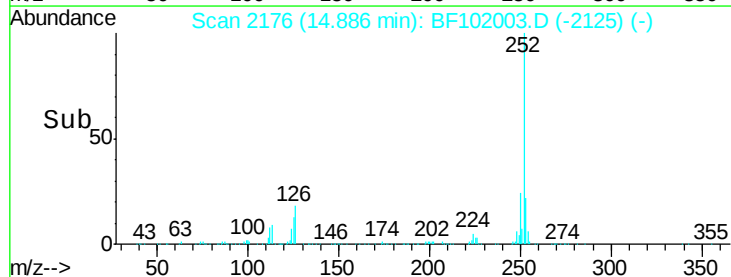
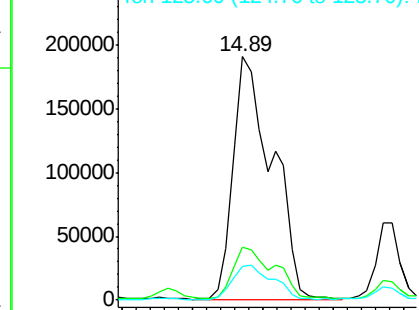


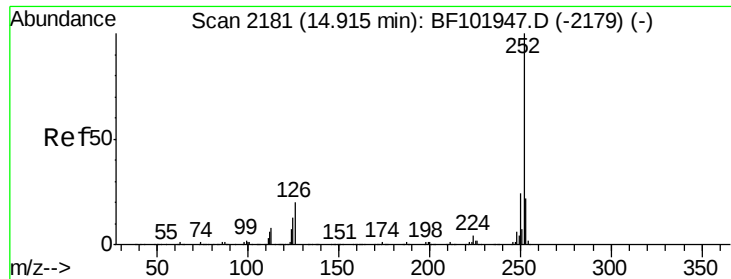
#87
Benzo(b)fluoranthene
Concen: 14.693 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion:252 Resp: 371444
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 13.8 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

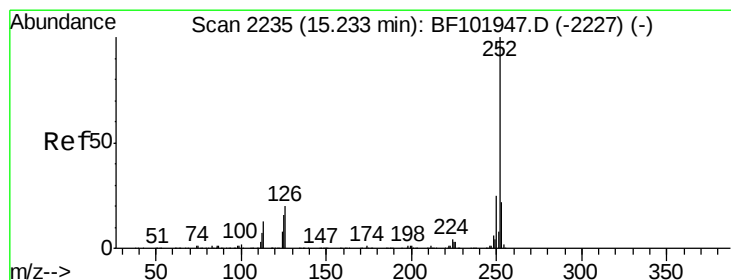
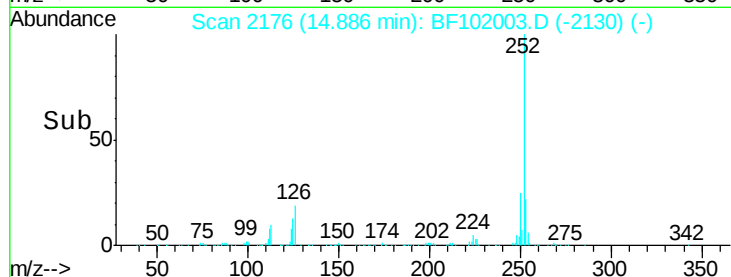
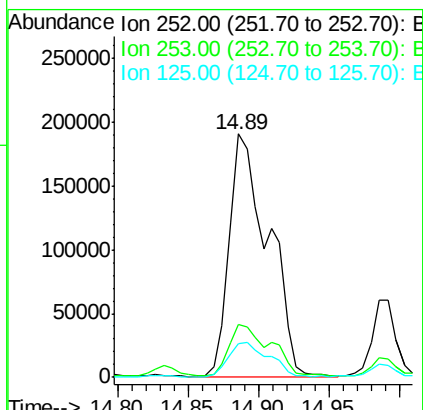
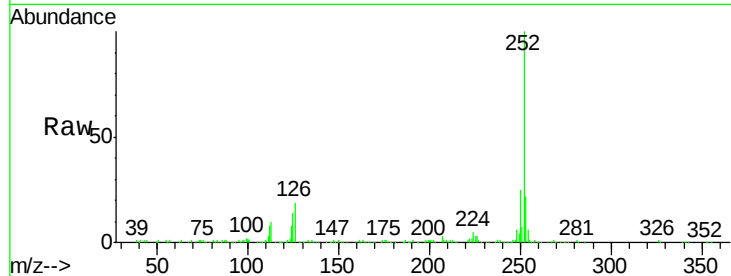




#88
Benzo(k)fluoranthene
Concen: 15.231 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

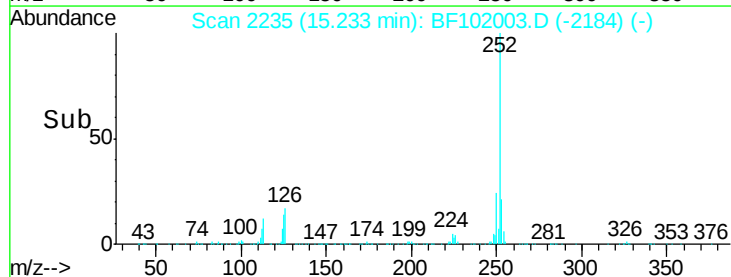
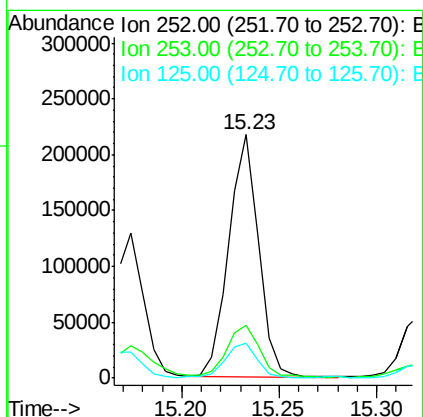
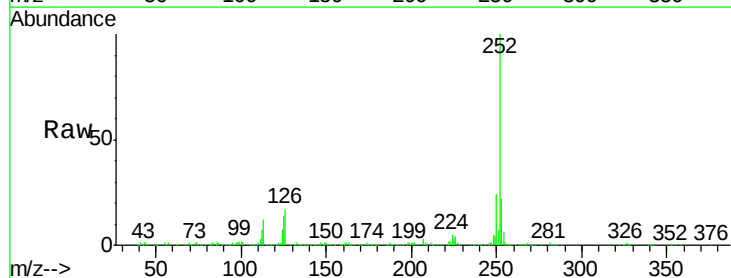
Instrument :
BNA_F
ClientSampleId :
WC-42-01

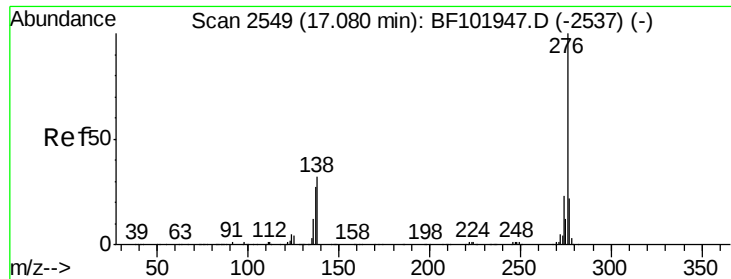
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	13.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.139 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF102003.D
Acq: 11 Jan 2018 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	14.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.895 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BF102003.D

Acq: 11 Jan 2018 2:10

Instrument :

BNA_F

ClientSampleId :

WC-42-01

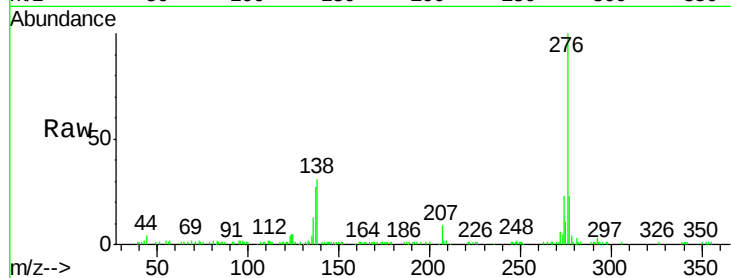
Tot Ion: 276 Resp: 126091

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 31.0 21.8 32.8



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

