

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101986.D
 Acq On : 10 Jan 2018 18:36
 Operator : SJ/JU
 Sample : J1076-03 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-02

Quant Time: Jan 11 09:07:43 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	219458	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	887785	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	387102	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	619734	20.00	ng	0.00
75) Chrysene-d12	13.87	240	344429	20.00	ng	0.00
86) Perylene-d12	15.29	264	361442	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	6672	0.43	ng	0.00
7) Phenol-d6	6.35	99	8187	0.44	ng	0.00
23) Nitrobenzene-d5	7.28	82	4891	0.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	1281	0.38	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	9696	0.39	ng	-0.01
78) Terphenyl-d14	12.83	244	8419	0.51	ng	0.00

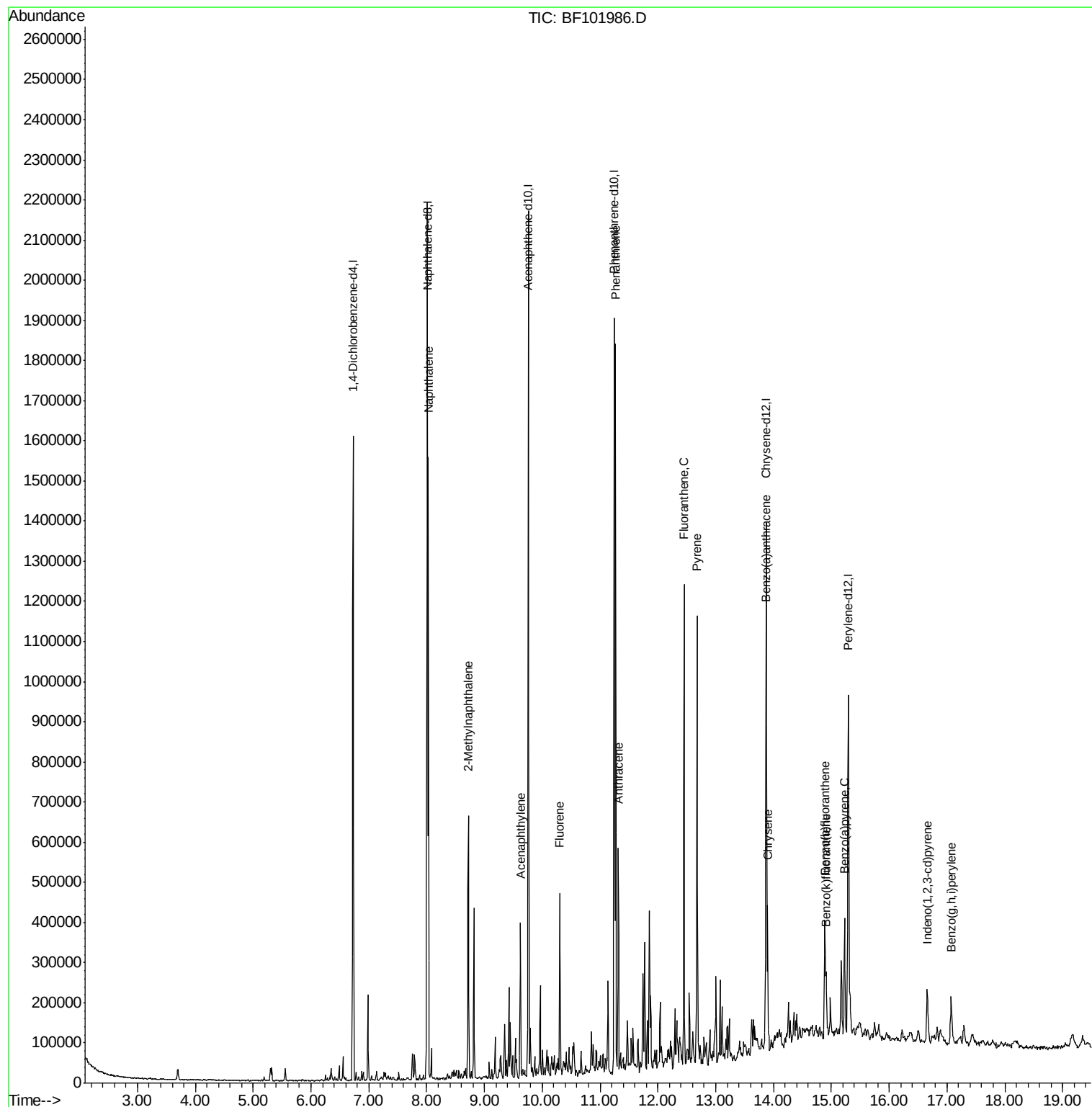
Target Compounds				Qvalue		
31) Naphthalene	8.03	128	687791	15.504	ng	99
37) 2-Methylnaphthalene	8.72	142	157534	5.394	ng	99
48) Acenaphthylene	9.62	152	117359	2.787	ng	97
57) Fluorene	10.30	166	113127	4.666	ng	97
70) Phenanthrene	11.27	178	590225	16.304	ng	99
71) Anthracene	11.32	178	177381	4.831	ng	100
74) Fluoranthene	12.45	202	413836	11.619	ng	98
77) Pyrene	12.68	202	403291	13.246	ng	99
80) Benzo(a)anthracene	13.86	228	145723	6.631	ng	# 85
82) Chrysene	13.90	228	122888	5.363	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	77614	4.654	ng	100
87) Benzo(b)fluoranthene	14.89	252	144270m	6.122	ng	
88) Benzo(k)fluoranthene	14.91	252	46239m	2.034	ng	
89) Benzo(a)pyrene	15.23	252	126407	5.961	ng	98
91) Benzo(a,h,i)perylene	17.07	276	78094	4.581	ng	97

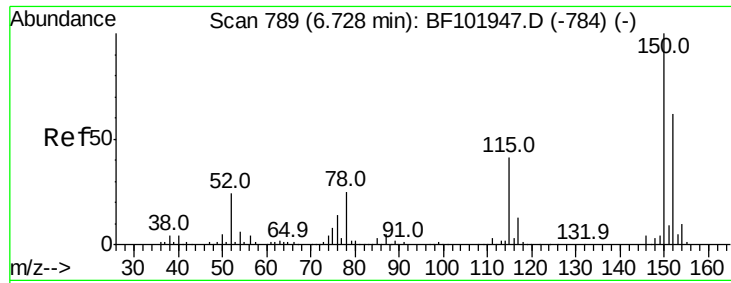
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101986.D
Acq On : 10 Jan 2018 18:36
Operator : SJ/JU
Sample : J1076-03 50X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-7317-02

Quant Time: Jan 11 09:07:43 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



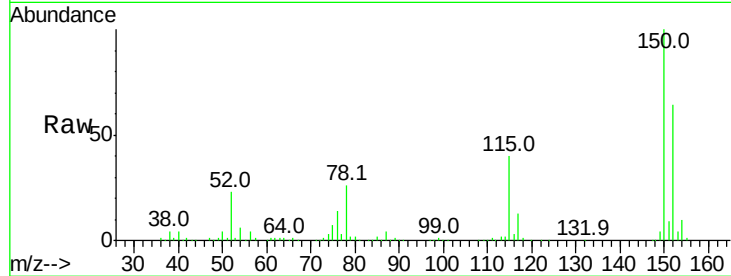


#1

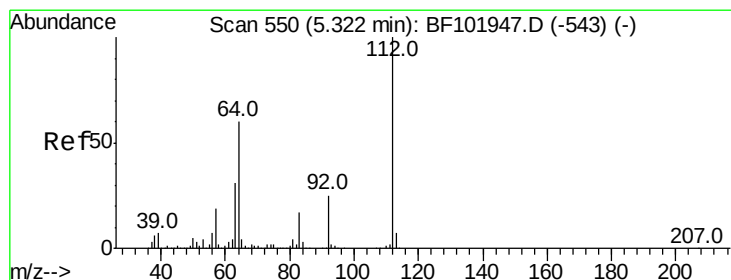
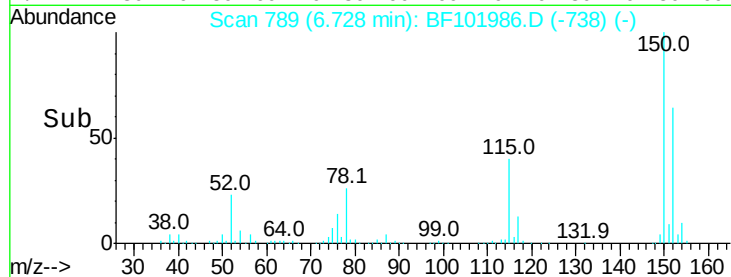
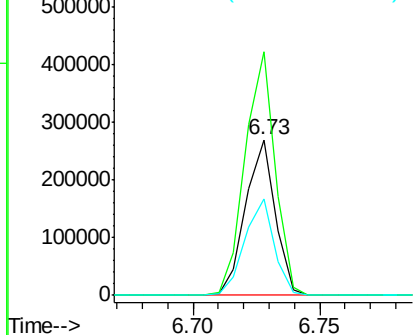
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

Instrument :
BNA_F
ClientSampleId :
WC-7317-02

Tot Ion:152 Resp: 219458
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 61.9 50.1 75.1



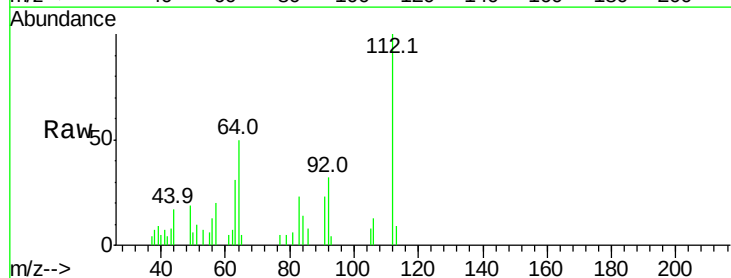
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



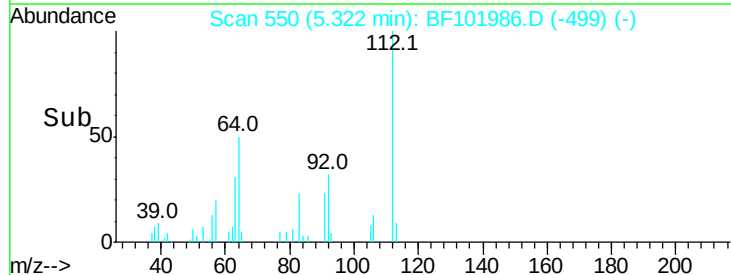
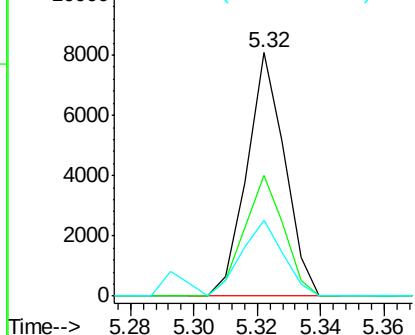
#5

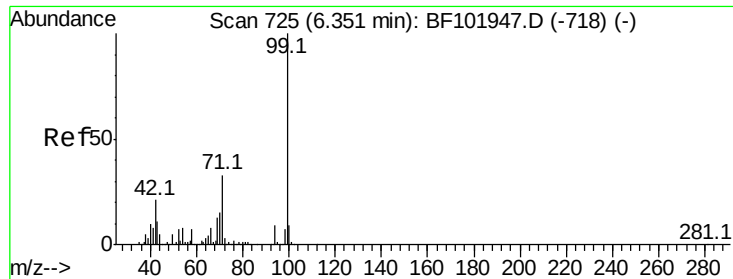
2-Fluorophenol
Concen: 0.429 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

Tgt Ion:112 Resp: 6672
Ion Ratio Lower Upper
112 100
64 49.5 47.9 71.9
63 31.0 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: 0.442 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

WC-7317-02

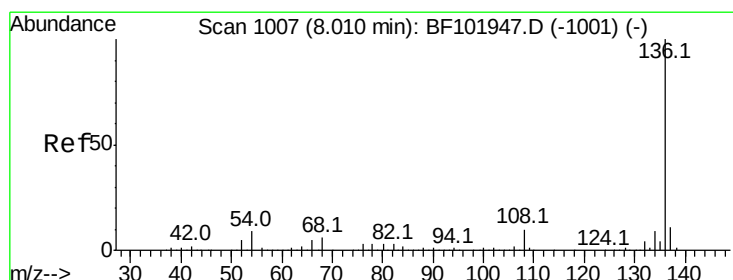
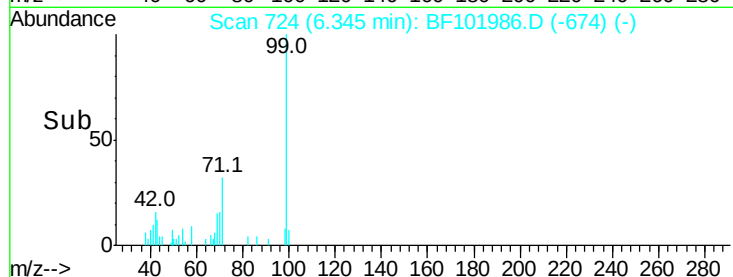
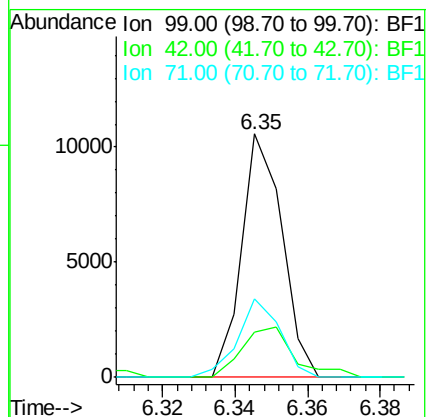
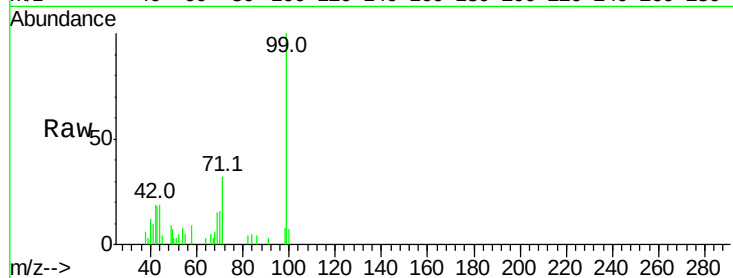
Tot Ion: 99 Resp: 8187

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 32.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Tgt Ion: 136 Resp: 887785

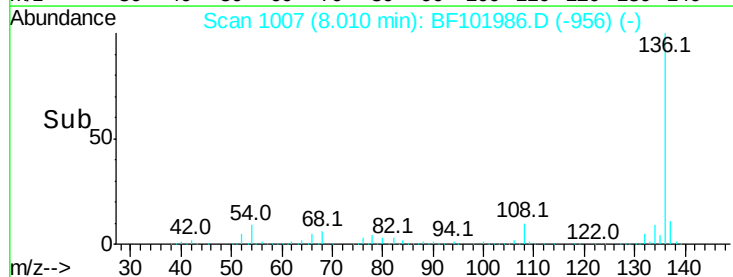
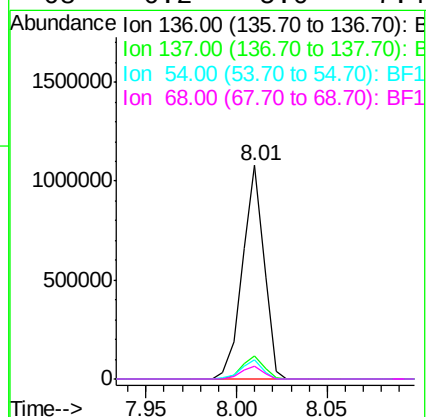
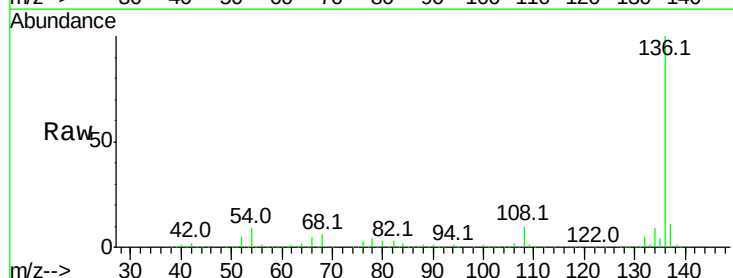
Ion Ratio Lower Upper

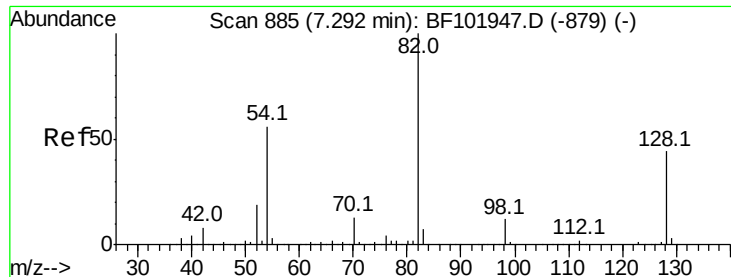
136 100

137 11.0 8.9 13.3

54 8.7 6.6 9.8

68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 0.324 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

WC-7317-02

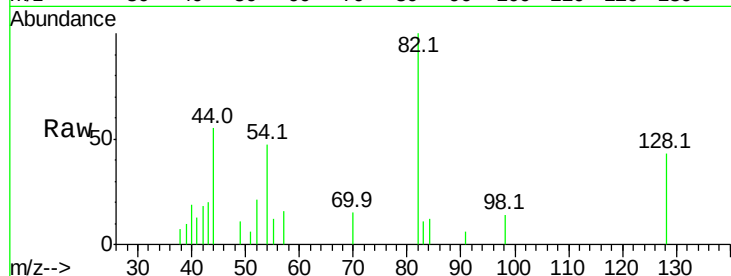
Tot Ion: 82 Resp: 4891

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

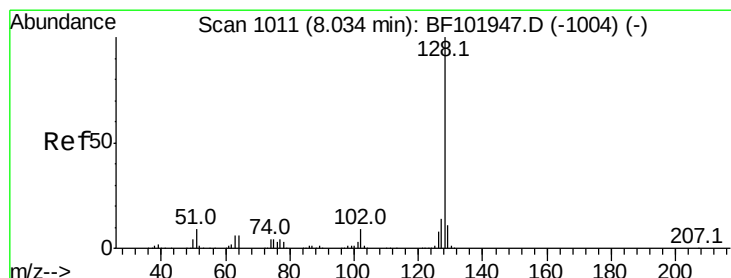
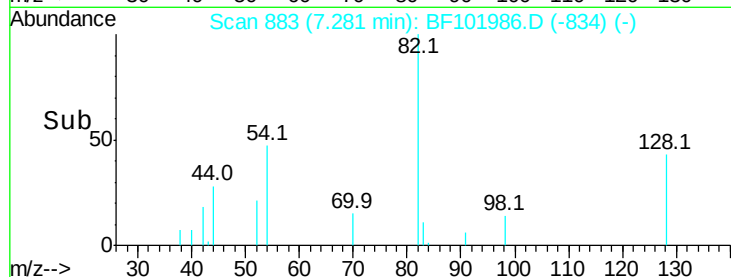
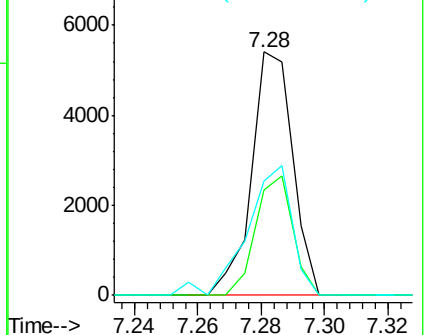
54 47.1 41.4 62.2



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



#31

Naphthalene

Concen: 15.504 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

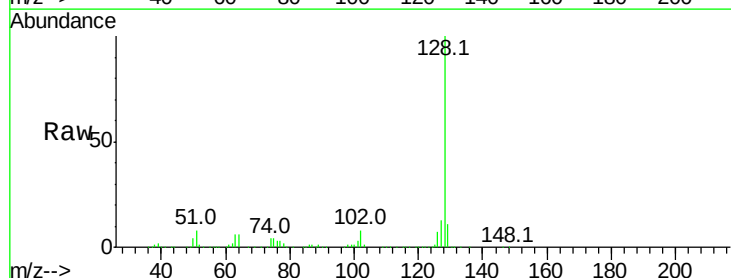
Tgt Ion: 128 Resp: 687791

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

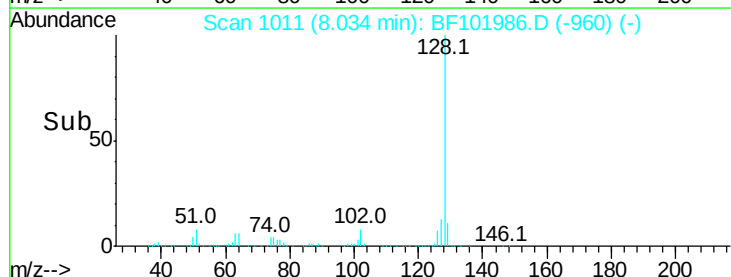
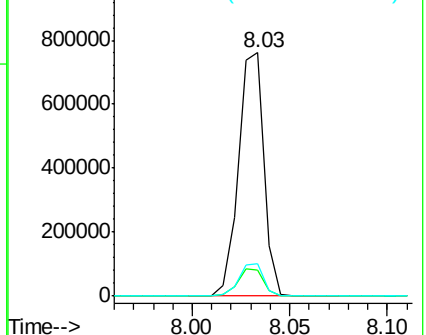
127 13.3 10.9 16.3

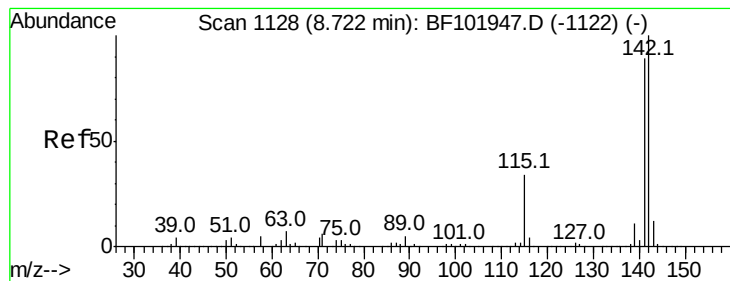


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

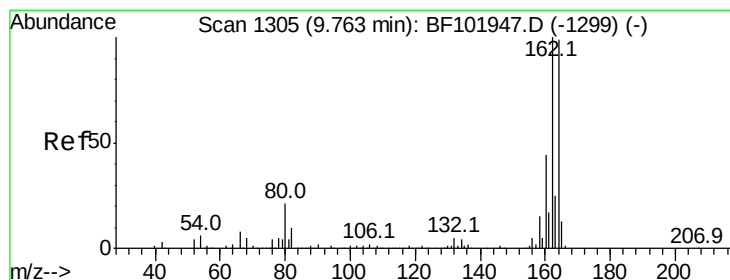
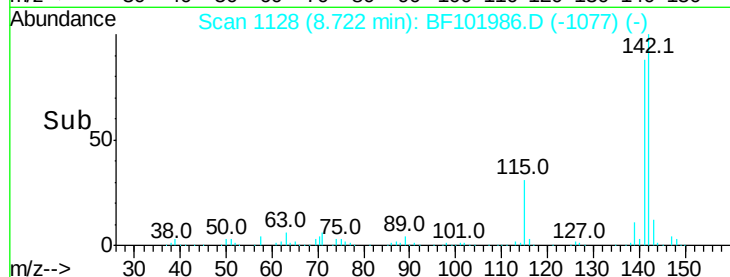
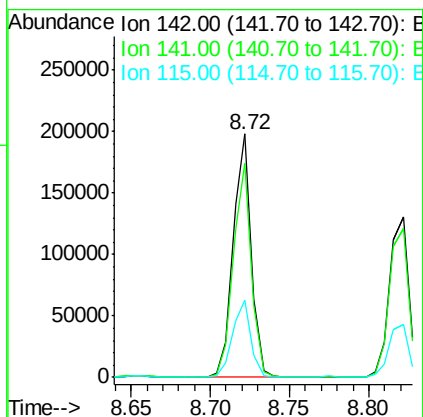
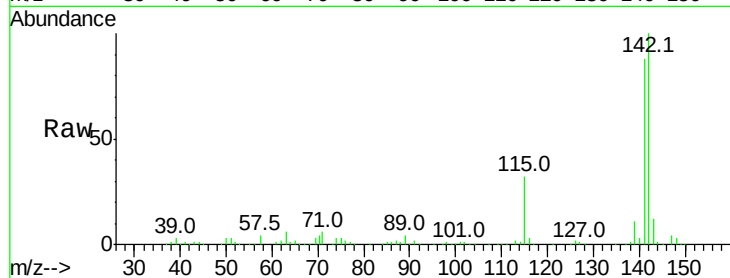




#37
2-Methylnaphthalene
Concen: 5.394 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

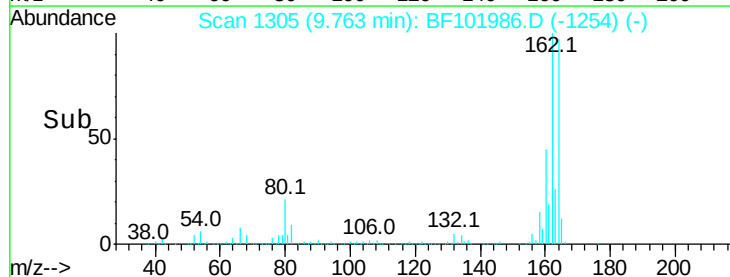
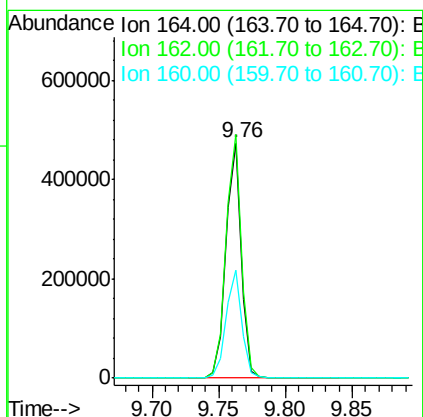
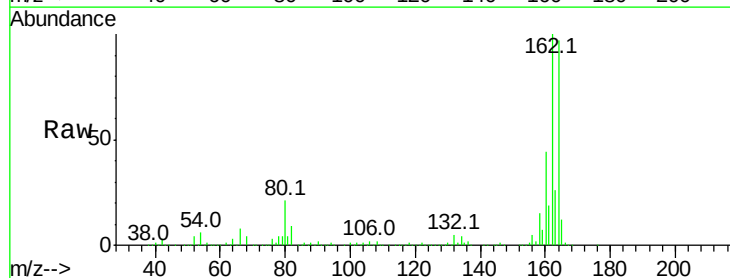
Instrument :
BNA_F
ClientSampleId :
WC-7317-02

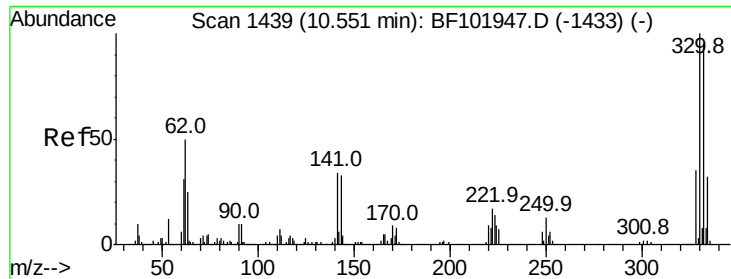
Tot Ion:142 Resp: 157534
Ion Ratio Lower Upper
142 100
141 88.2 70.8 106.2
115 31.5 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

Tgt Ion:164 Resp: 387102
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 45.9 38.3 57.5

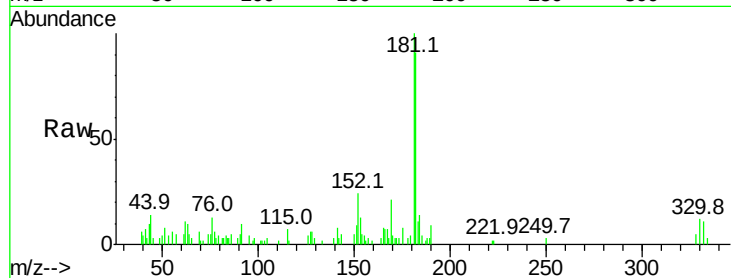




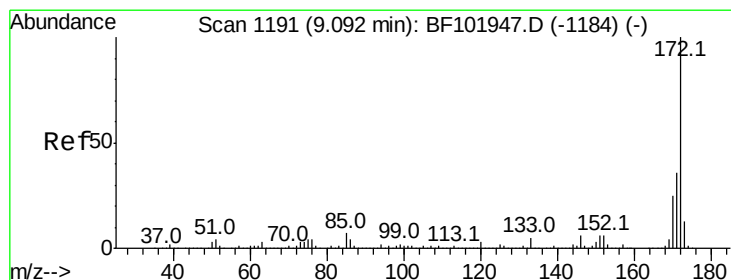
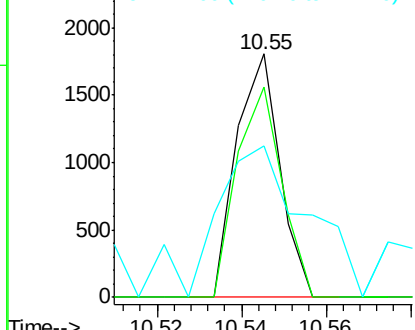
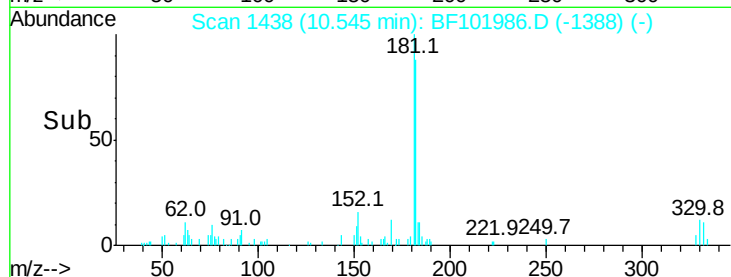
#41
 2,4,6-Tribromophenol
 Concen: 0.379 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-02

Tot Ion:330 Resp: 1281
 Ion Ratio Lower Upper
 330 100
 332 89.9 77.0 115.6
 141 135.0 29.9 44.9#

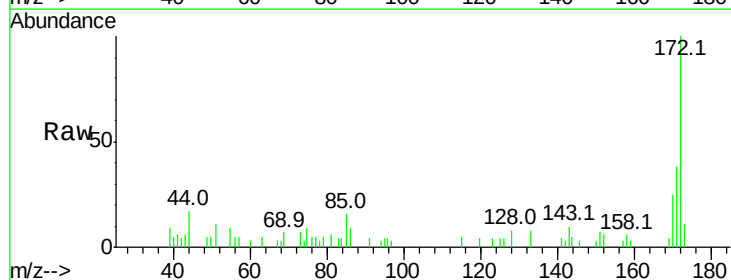


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

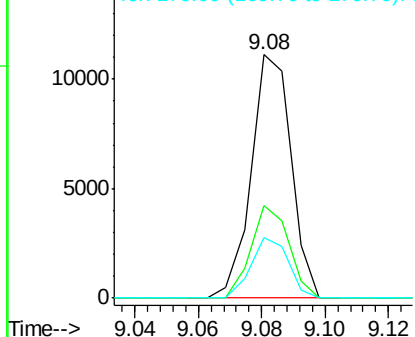
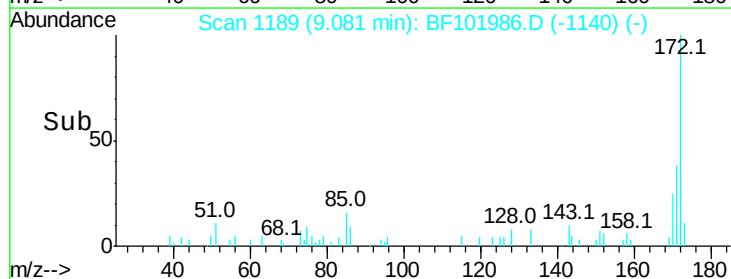


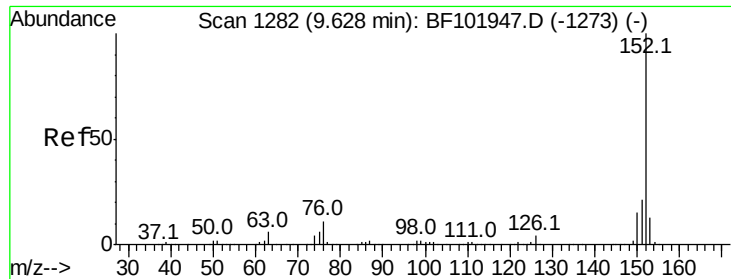
#44
 2-Fluorobiphenyl
 Concen: 0.391 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

Tgt Ion:172 Resp: 9696
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.7 44.5
 170 25.0 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: 2.787 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

WC-7317-02

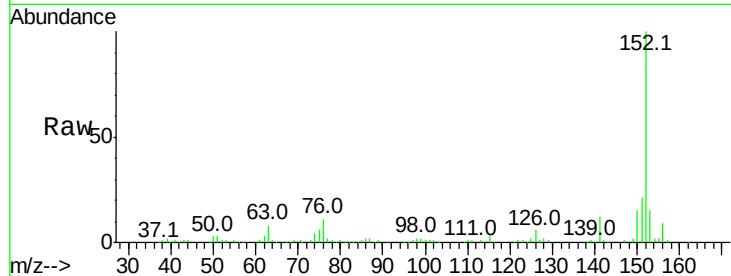
Tot Ion:152 Resp: 117359

Ion Ratio Lower Upper

152 100

151 21.4 16.3 24.5

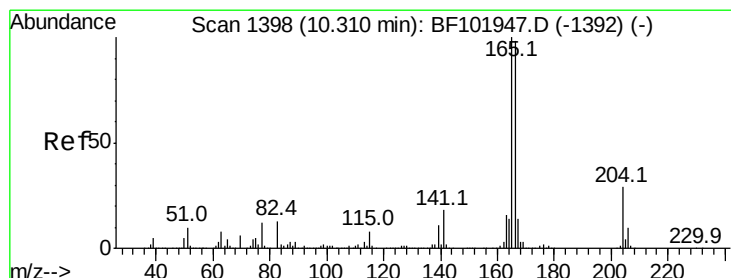
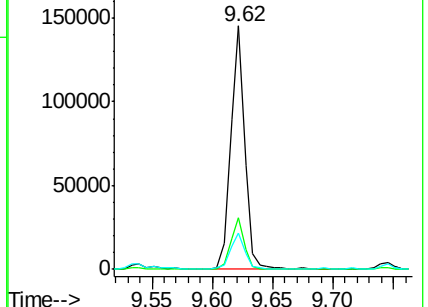
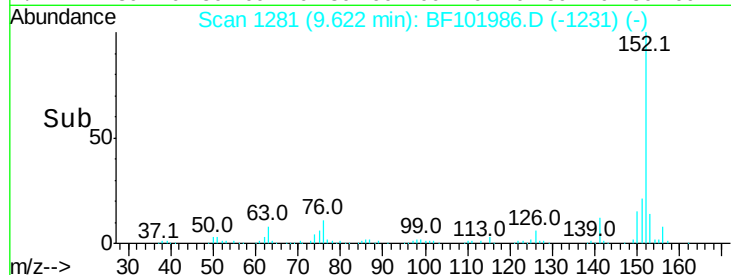
153 14.7 10.7 16.1



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



#57

Fluorene

Concen: 4.666 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

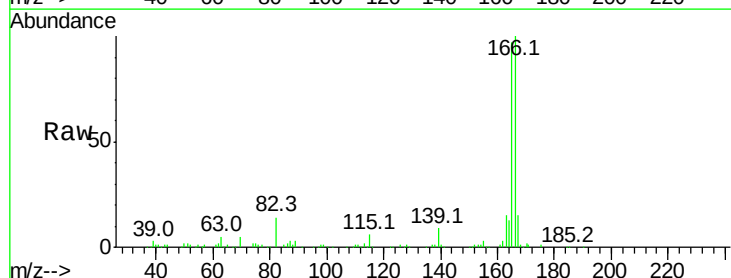
Tgt Ion:166 Resp: 113127

Ion Ratio Lower Upper

166 100

165 97.4 79.8 119.8

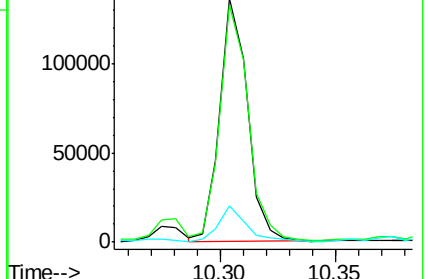
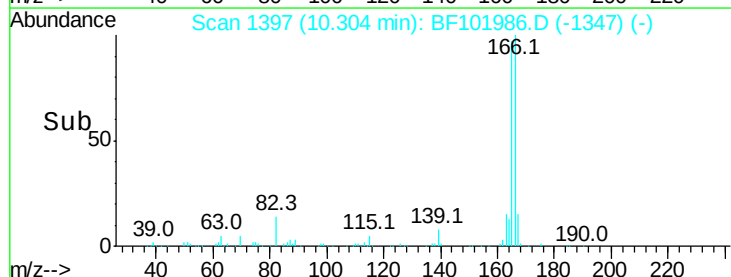
167 14.9 10.6 16.0

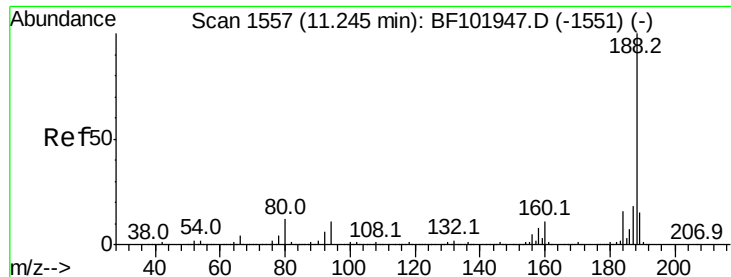


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

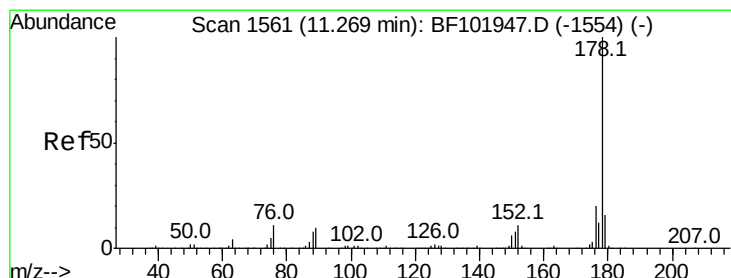
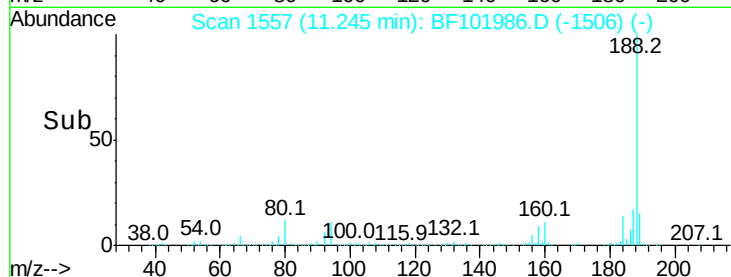
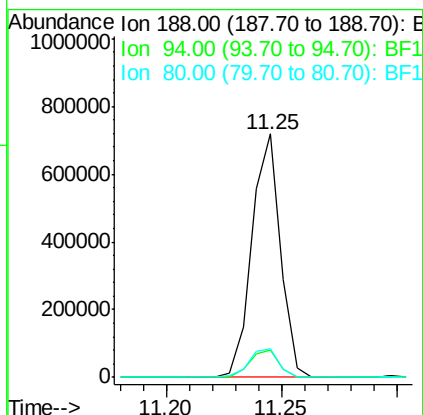
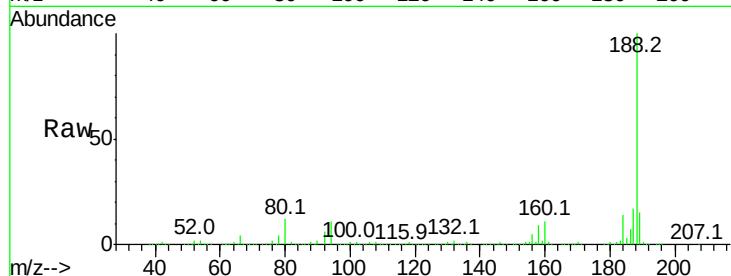




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

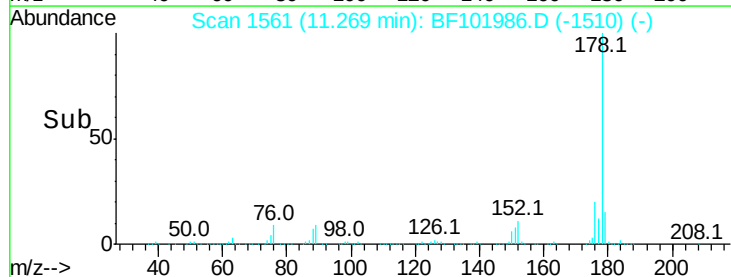
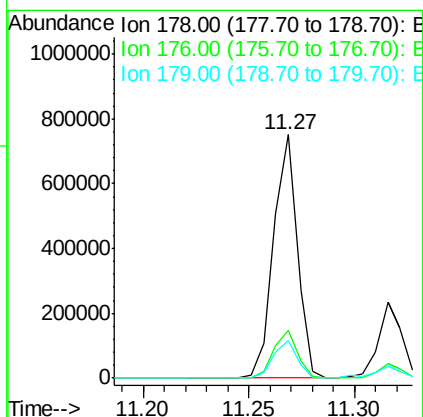
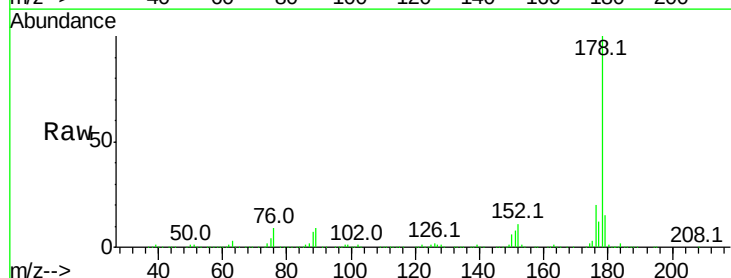
Instrument :
BNA_F
ClientSampleId :
WC-7317-02

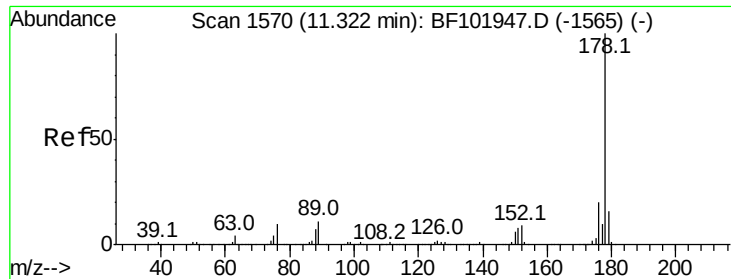
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.9	9.2	13.8



#70
Phenanthrene
Concen: 16.304 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.3	13.0	19.6

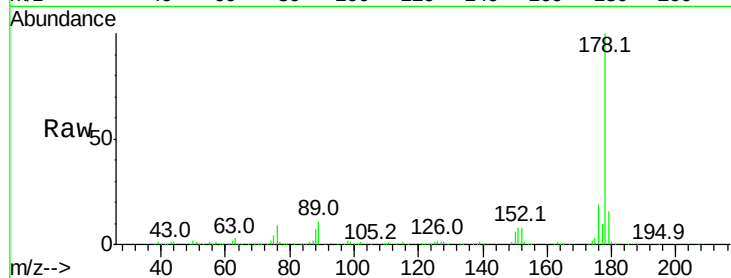




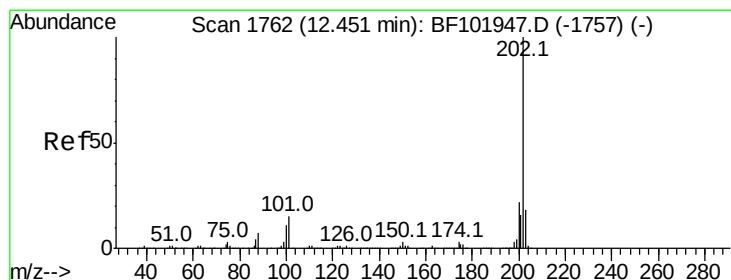
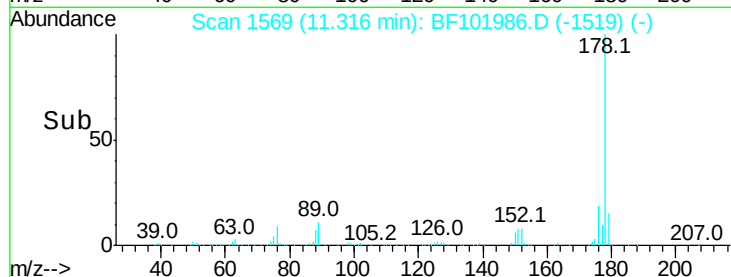
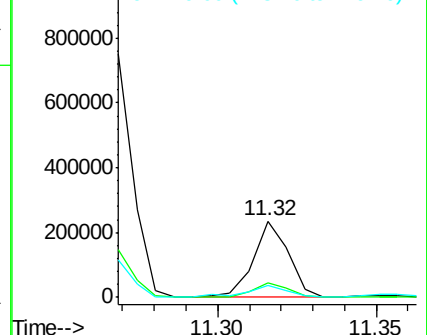
#71
 Anthracene
 Concen: 4.831 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-02

Tot Ion:178 Resp: 177381
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.8 12.6 19.0

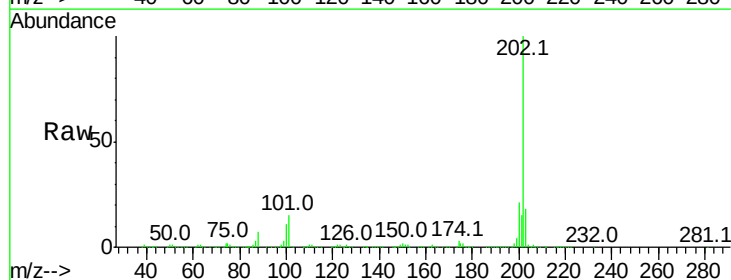


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

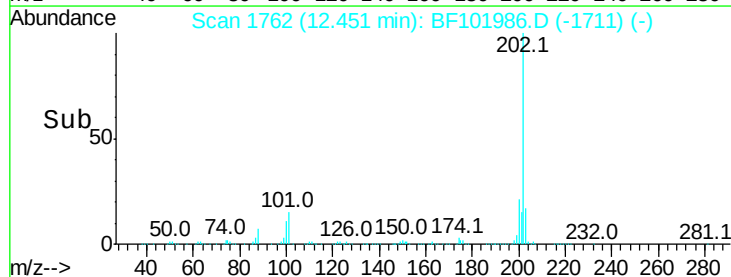
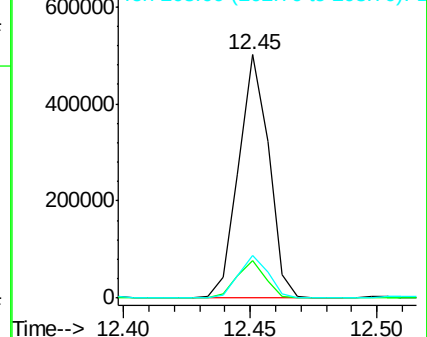


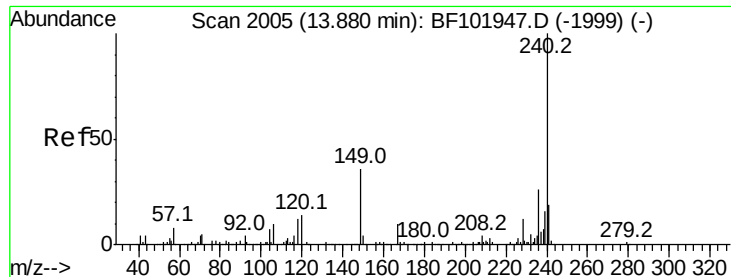
#74
 Fluoranthene
 Concen: 11.619 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

Tgt Ion:202 Resp: 413836
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 34.1
 203 17.5 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: BF101986.D

Acq: 10 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

WC-7317-02

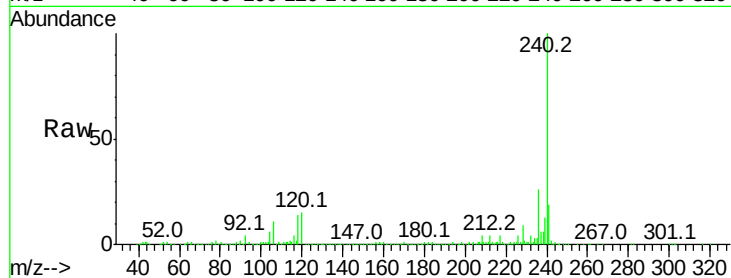
Tot Ion:240 Resp: 344429

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

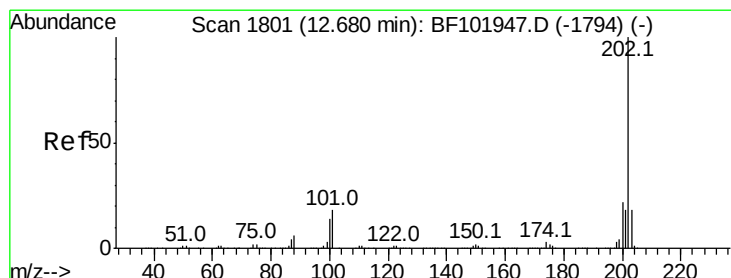
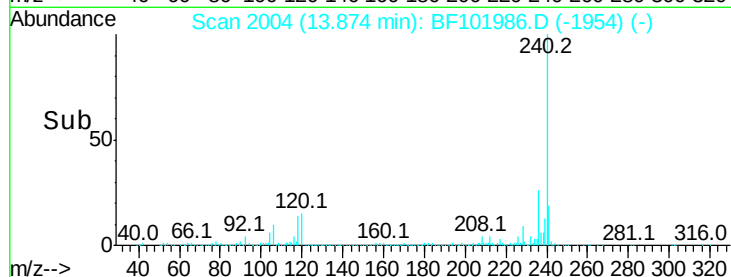
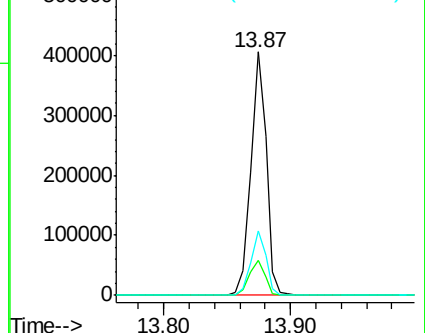
236 26.4 20.7 31.1



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: 13.246 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

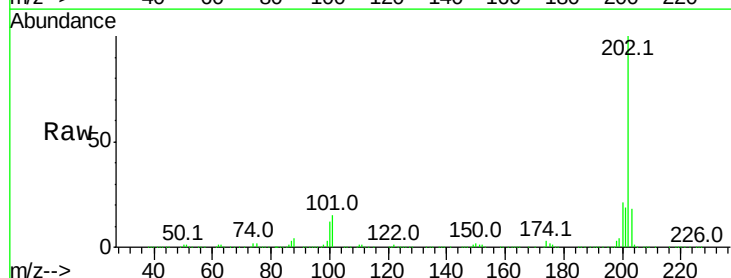
Tgt Ion:202 Resp: 403291

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

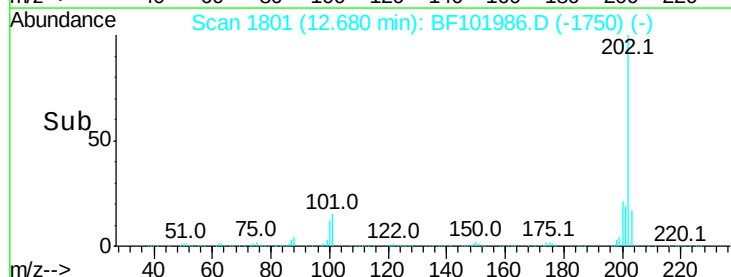
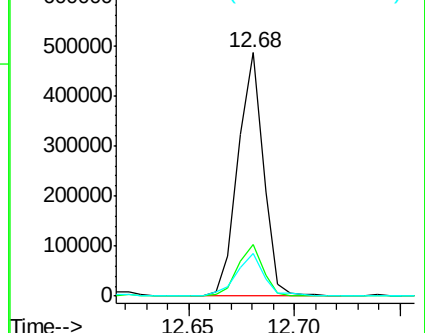
203 17.7 14.3 21.5

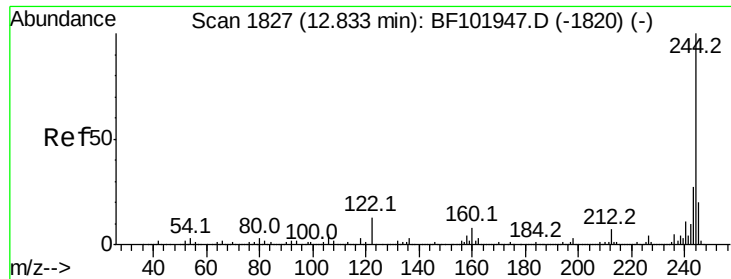


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

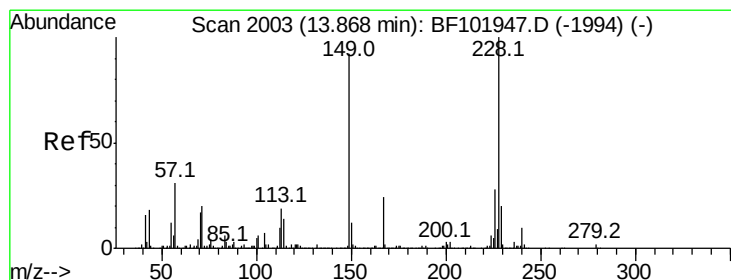
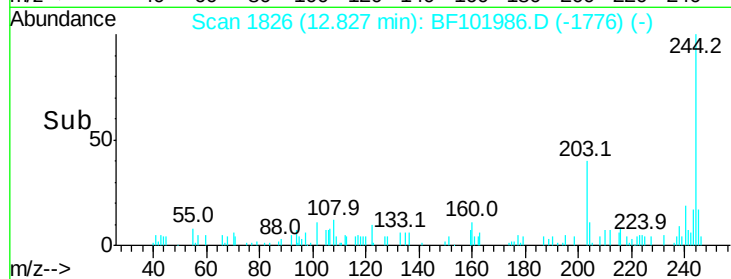
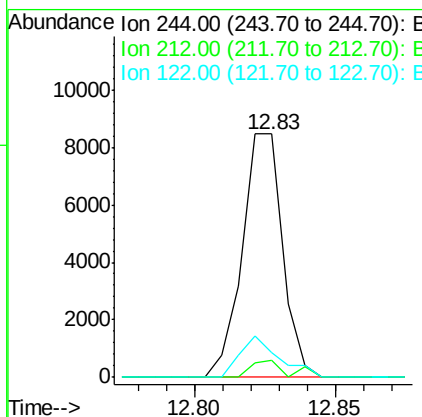
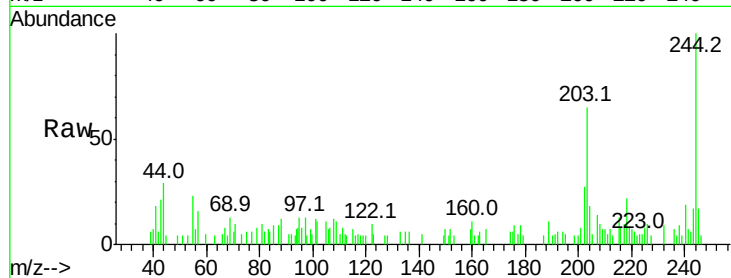




#78
 Terphenyl-d14
 Concen: 0.508 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

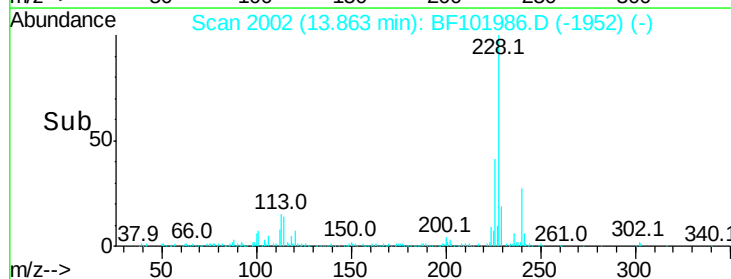
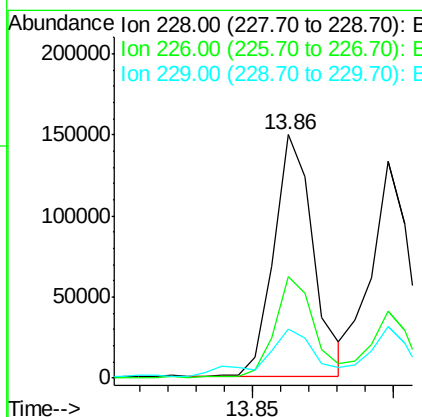
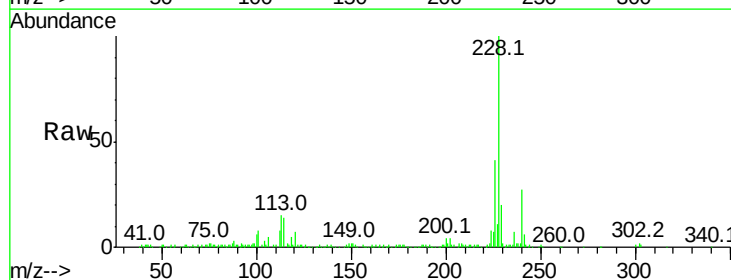
Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-02

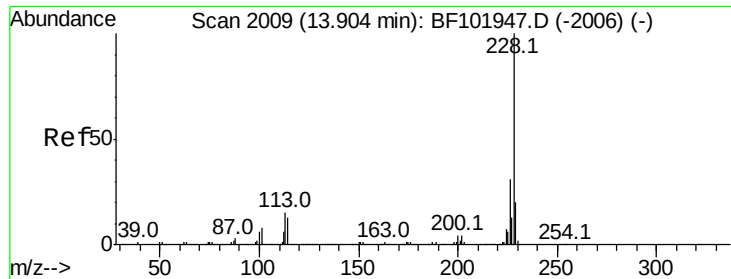
Tot Ion:244 Resp: 8419
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 10.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 6.631 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

Tgt Ion:228 Resp: 145723
 Ion Ratio Lower Upper
 228 100
 226 41.4 22.6 33.8#
 229 20.0 15.8 23.6





#82

Chrysene

Concen: 5.363 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

WC-7317-02

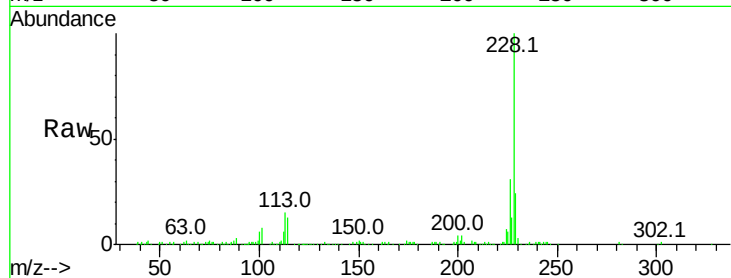
Tot Ion:228 Resp: 122888

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

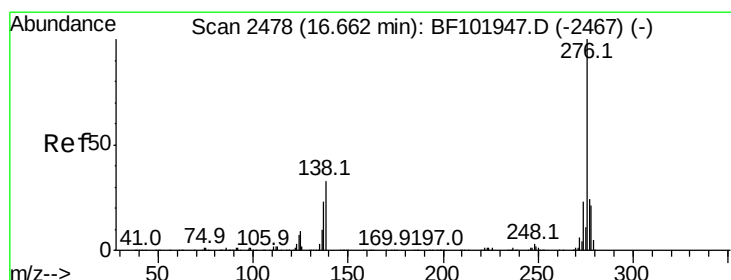
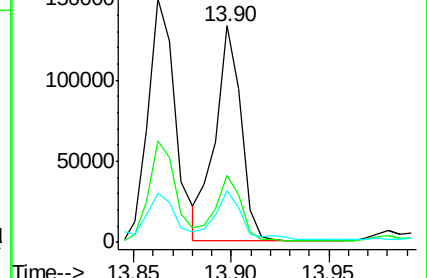
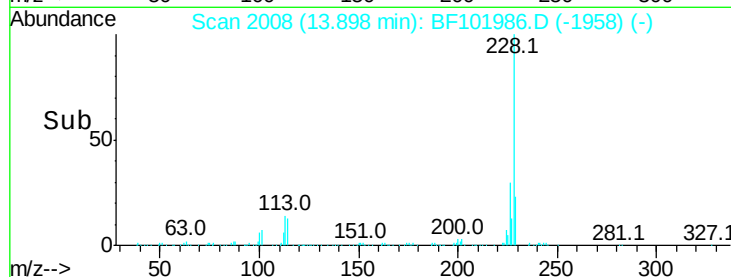
229 23.8 16.2 24.4



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: 4.654 ng

RT: 16.66 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

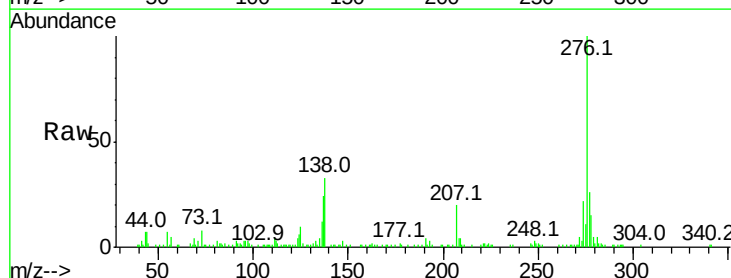
Tgt Ion:276 Resp: 77614

Ion Ratio Lower Upper

276 100

138 31.4 25.0 37.6

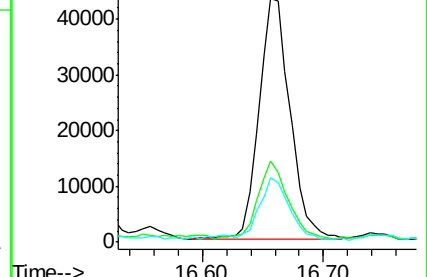
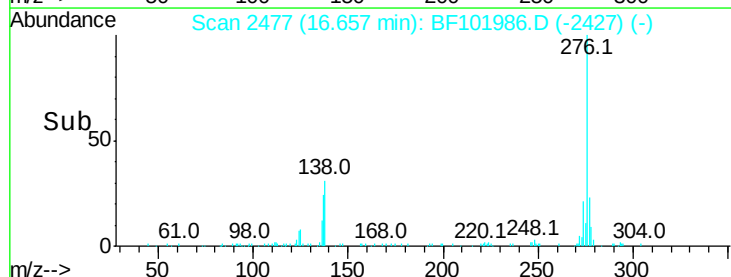
277 25.4 20.1 30.1

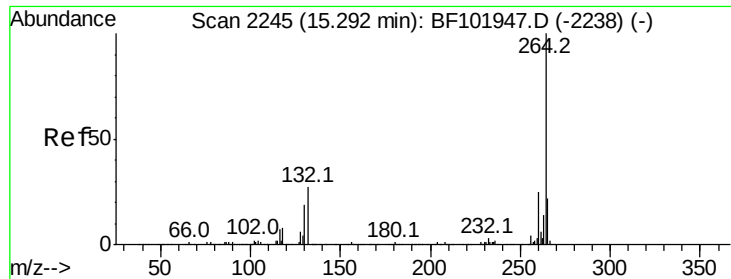


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

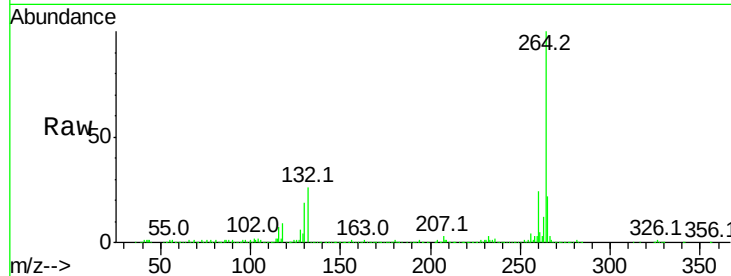




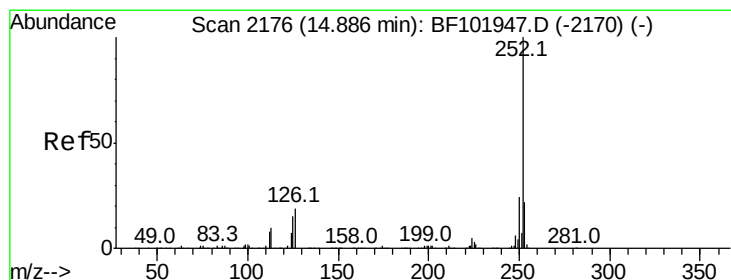
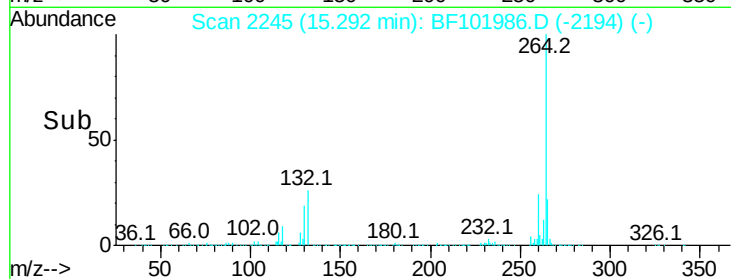
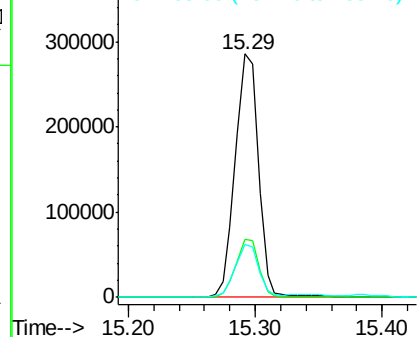
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

Instrument :
BNA_F
ClientSampleId :
WC-7317-02

Tot Ion:264 Resp: 361442
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.0 17.5 26.3

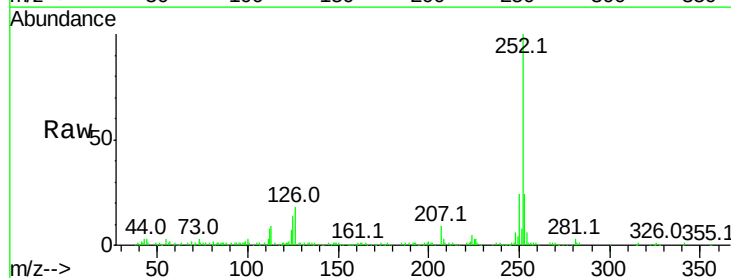


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

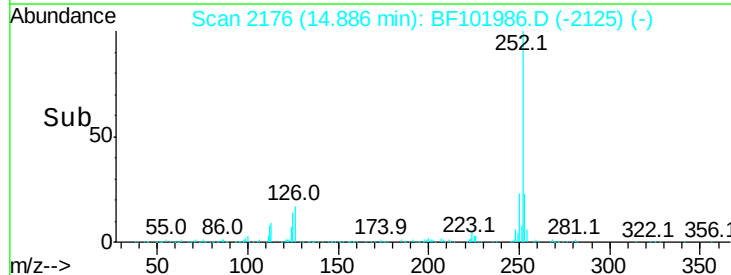
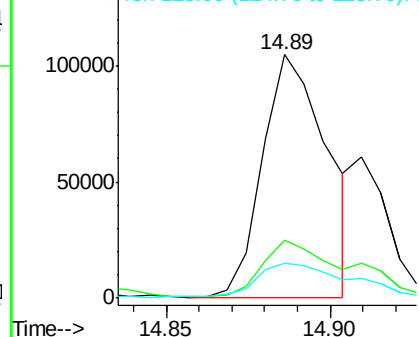


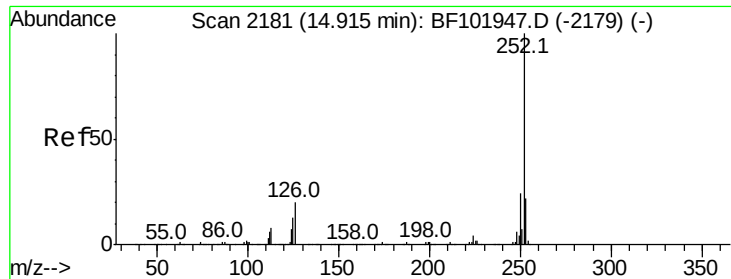
#87
Benzo(b)fluoranthene
Concen: 6.122 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF101986.D
Acq: 10 Jan 2018 18:36

Tgt Ion:252 Resp: 144270
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 14.2 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: 2.034 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

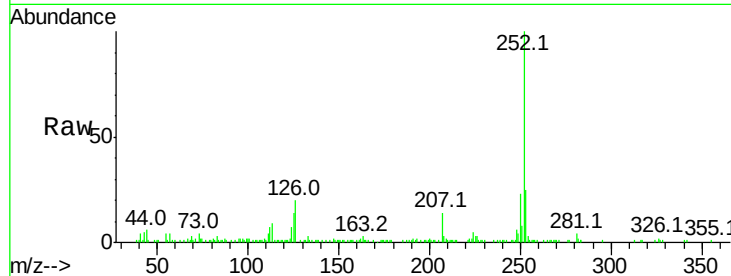
Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Instrument :
BNA_F
ClientSampleId :
WC-7317-02

Tot Ion:252 Resp: 46239

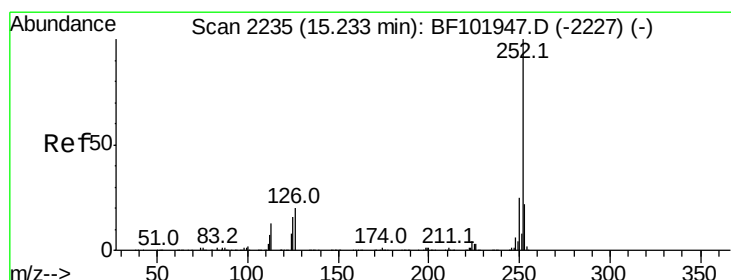
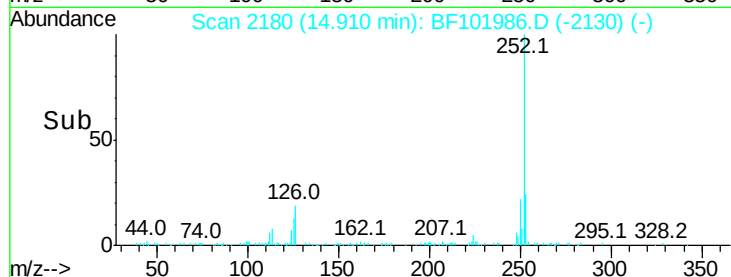
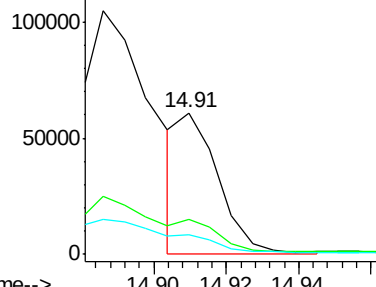
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	13.7	10.2	15.2



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: 5.961 ng

RT: 15.23 min Scan# 2235

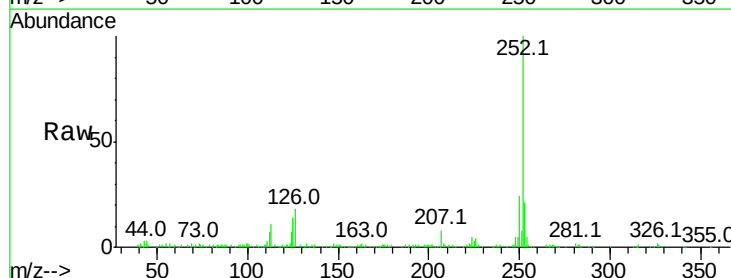
Delta R.T. 0.00 min

Lab File: BF101986.D

Acq: 10 Jan 2018 18:36

Tgt Ion:252 Resp: 126407

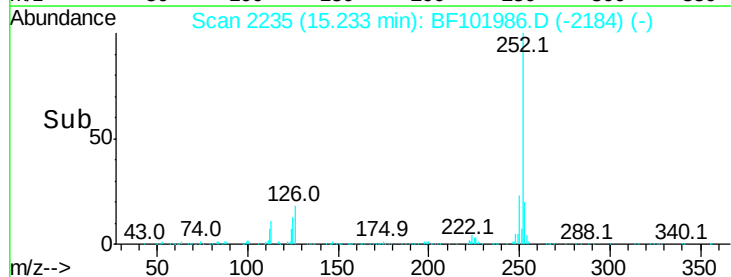
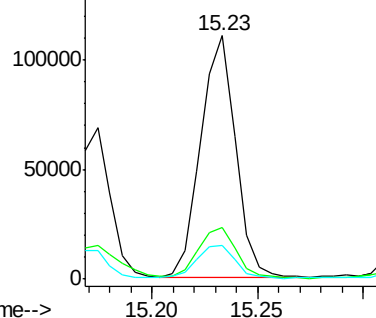
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	13.8	9.8	14.6

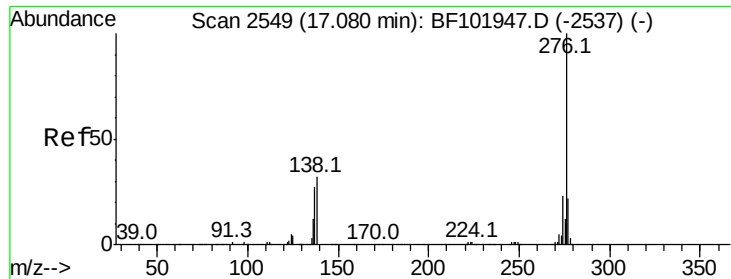


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.581 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF101986.D
 Acq: 10 Jan 2018 18:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	29.3	21.8	32.8

