

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF010518\
 Data File : BF101920.D
 Acq On : 5 Jan 2018 10:59
 Operator : SJ/JU
 Sample : J1033-03 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2(5)

Quant Time: Jan 05 12:15:27 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	118396	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	440086	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	154734	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	247861	20.00	ng	0.00
75) Chrysene-d12	13.96	240	258202	20.00	ng	0.00
86) Perylene-d12	15.43	264	232423	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	108274	13.62	ng	0.05
7) Phenol-d6	6.47	99	146632	14.82	ng	0.05
23) Nitrobenzene-d5	7.36	82	91723	11.60	ng	0.02
41) 2,4,6-Tribromophenol	10.62	330	10156	6.81	ng	0.02
44) 2-Fluorobiphenyl	9.13	172	145499	14.59	ng	0.00
78) Terphenyl-d14	12.88	244	120147	11.22	ng	0.00

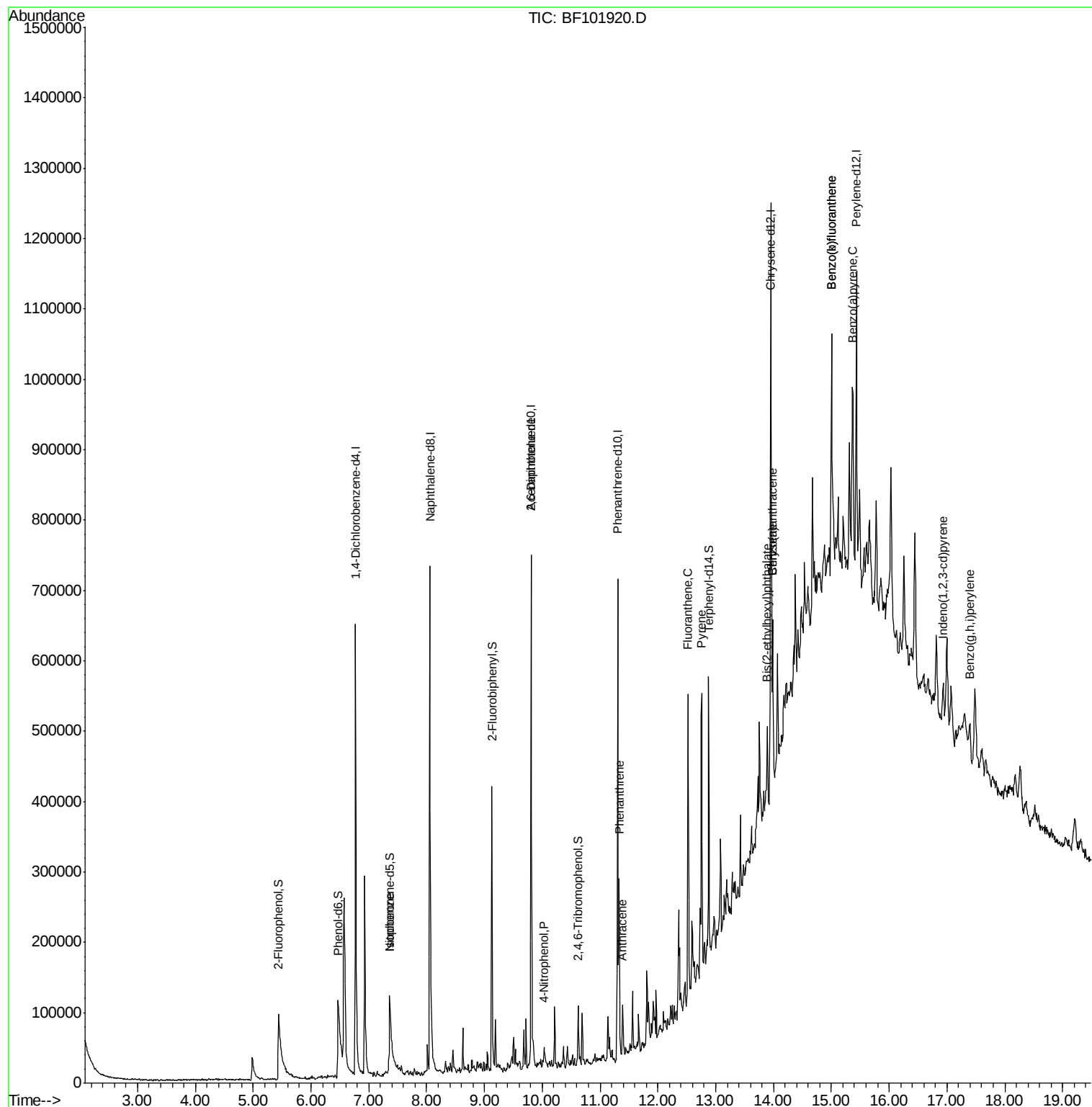
Target Compounds				Qvalue		
25) Isophorone	7.36	82	91723	5.783	ng	# 64
50) 2,6-Dinitrotoluene	9.81	165	20647	8.162	ng	# 27
55) 4-Nitrophenol	10.03	139	3499	2.544	ng	# 9
70) Phenanthrene	11.33	178	96062	6.969	ng	98
71) Anthracene	11.39	178	34054	2.419	ng	95
74) Fluoranthene	12.52	202	174060	12.031	ng	98
77) Pyrene	12.76	202	175141	9.038	ng	98
80) Benzo(a)anthracene	13.99	228	95352	5.593	ng	94
82) Chrysene	13.99	228	95352	5.923	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	28456	2.562	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.94	276	40717	2.840	ng	# 88
87) Benzo(b)fluoranthene	15.01	252	166600	11.760	ng	# 93
88) Benzo(k)fluoranthene	15.01	252	166600	12.095	ng	# 96
89) Benzo(a)pyrene	15.37	252	87686	6.714	ng	# 89
91) Benzo(g,h,i)perylene	17.39	276	35542	3.201	ng	# 90

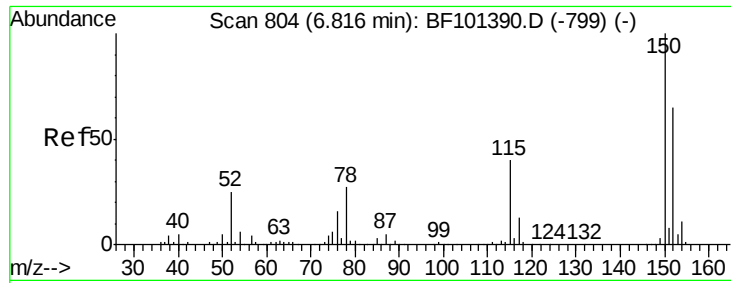
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF010518\
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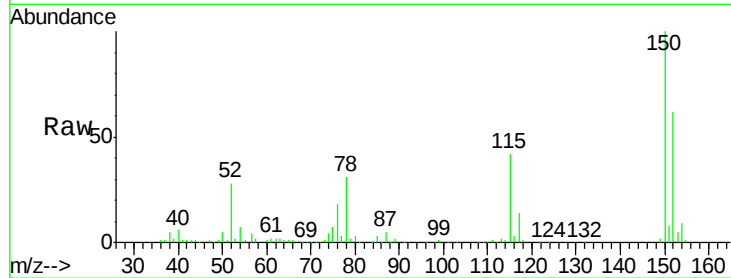


#1

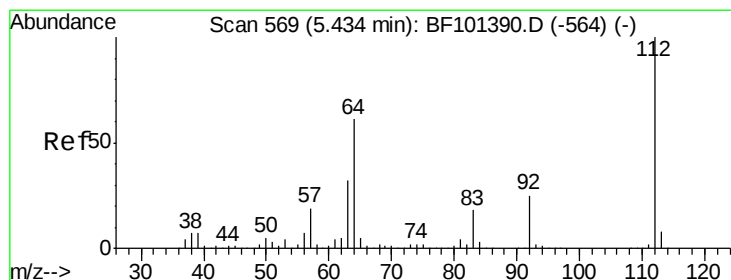
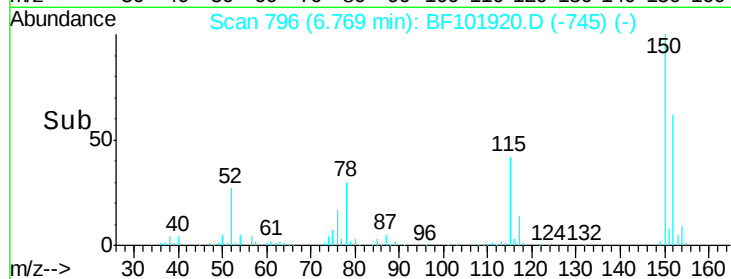
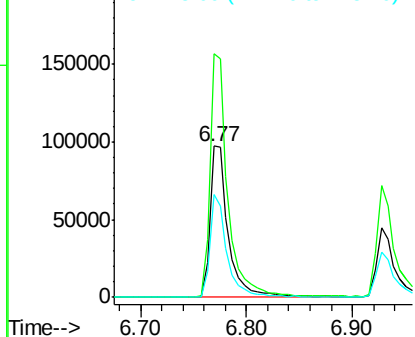
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Instrument :
BNA_F
ClientSampleId :
B-2(5)

Tgt Ion:152 Resp: 118396
Ion Ratio Lower Upper
152 100
150 161.3 124.6 186.8
115 68.1 50.1 75.1



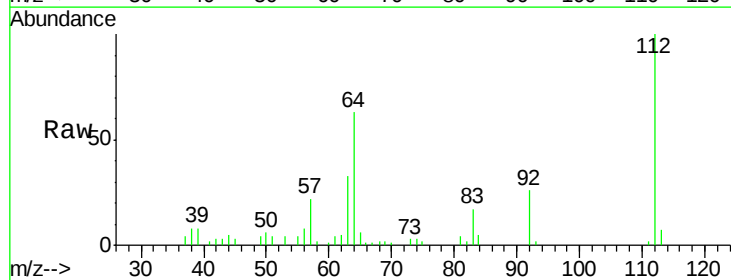
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



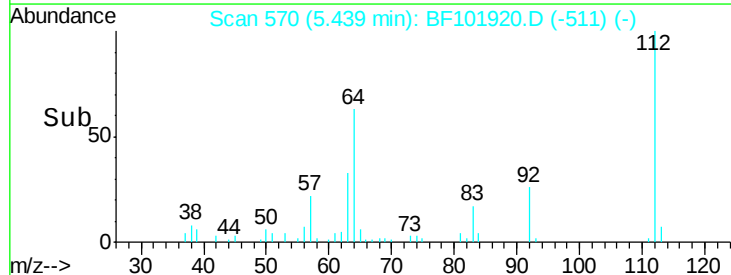
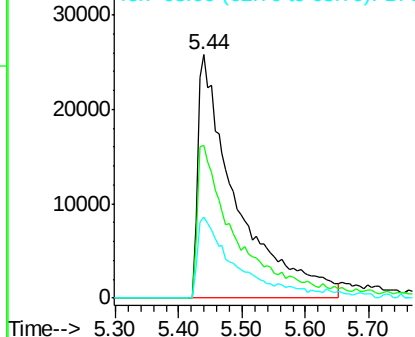
#5

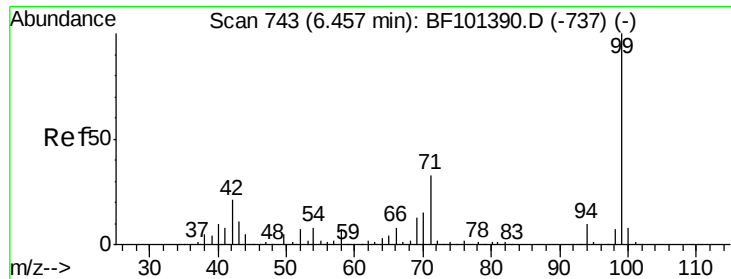
2-Fluorophenol
Concen: 13.622 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.05 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Tgt Ion:112 Resp: 108274
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 33.2 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: 14.823 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.05 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

Instrument :

BNA_F

ClientSampleId :

B-2(5)

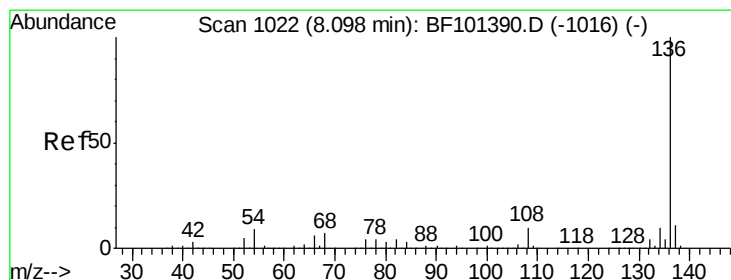
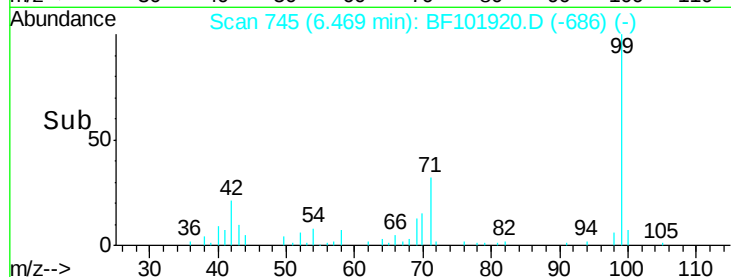
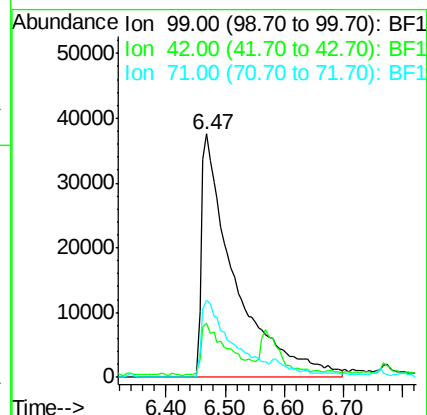
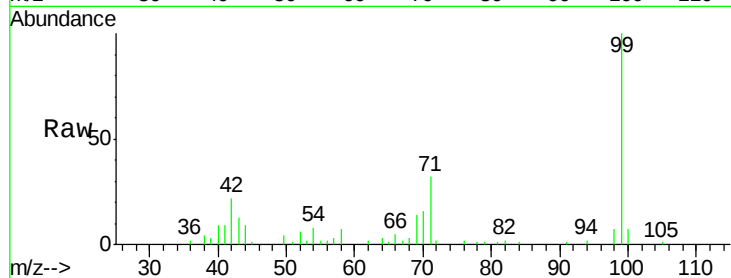
Tgt Ion: 99 Resp: 146632

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

71 31.7 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

Tgt Ion: 136 Resp: 440086

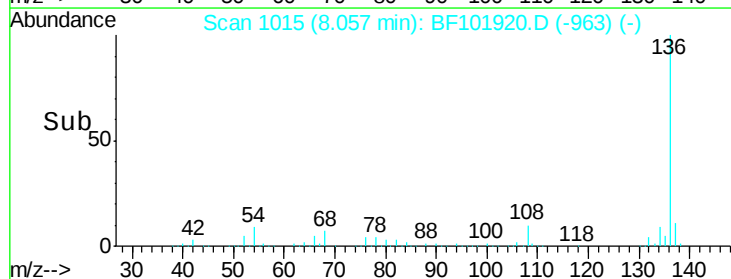
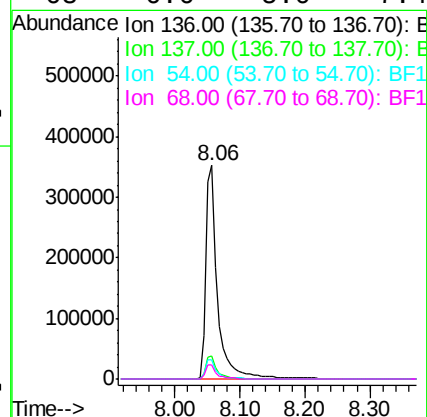
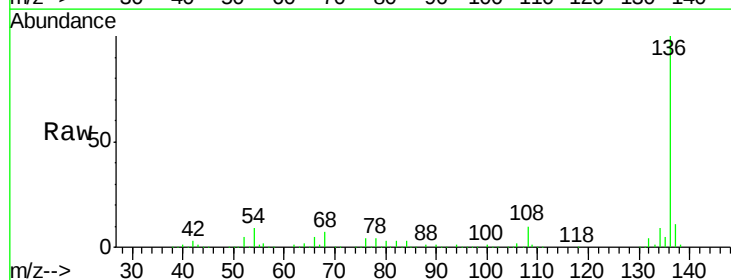
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.8 6.6 9.8

68 6.6 5.0 7.4

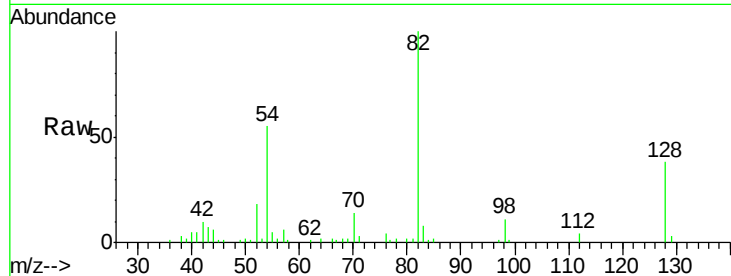




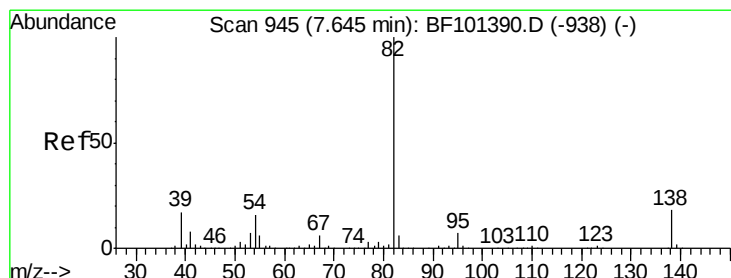
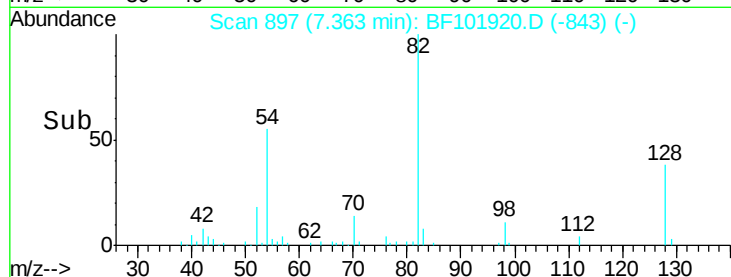
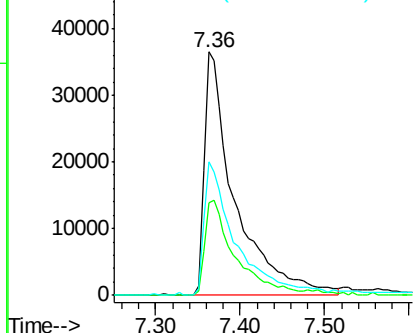
#23
 Nitrobenzene-d5
 Concen: 11.602 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.02 min
 Lab File: BF101920.D
 Acq: 5 Jan 2018 10:59

Instrument :
 BNA_F
 ClientSampleId :
 B-2(5)

Tgt Ion: 82 Resp: 91723
 Ion Ratio Lower Upper
 82 100
 128 37.8 36.1 54.1
 54 55.0 41.4 62.2

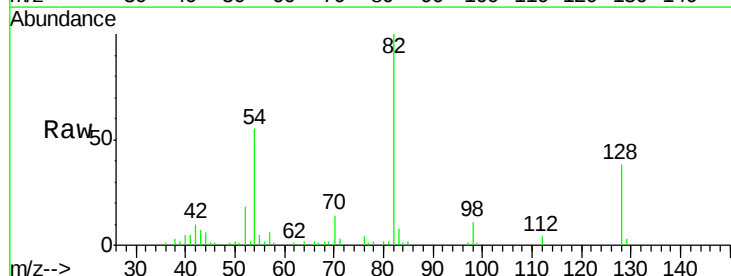


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

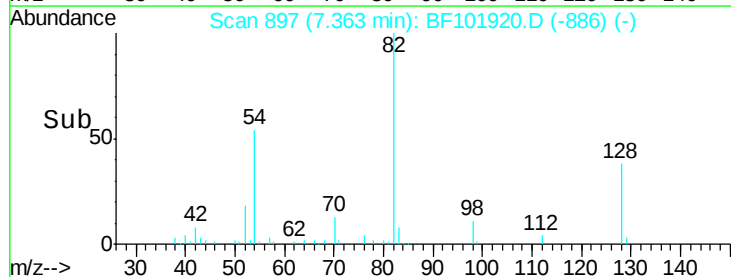
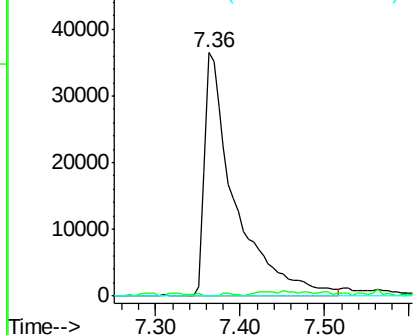


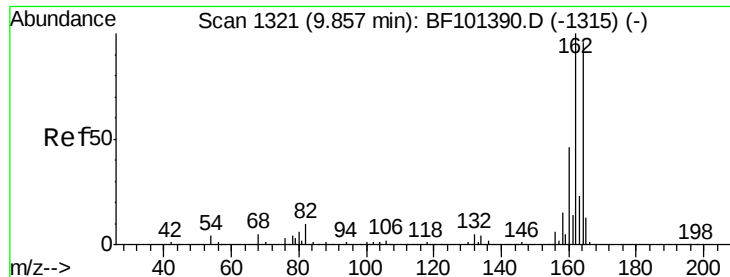
#25
 Isophorone
 Concen: 5.783 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.24 min
 Lab File: BF101920.D
 Acq: 5 Jan 2018 10:59

Tgt Ion: 82 Resp: 91723
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



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

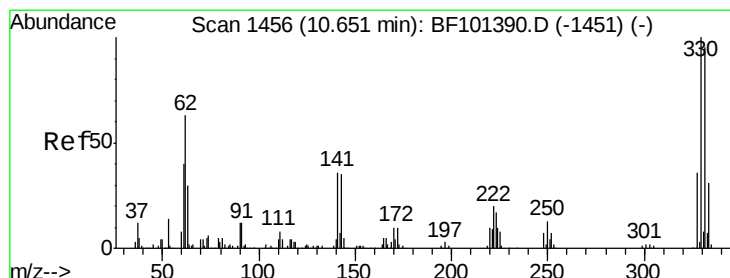
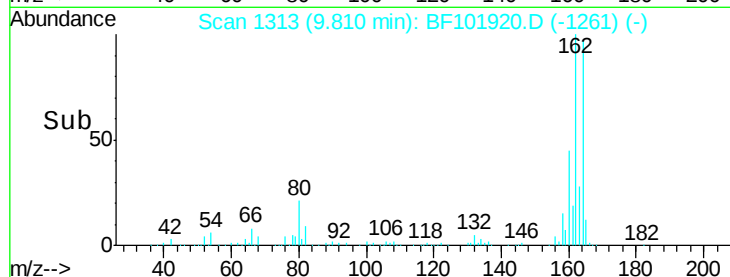
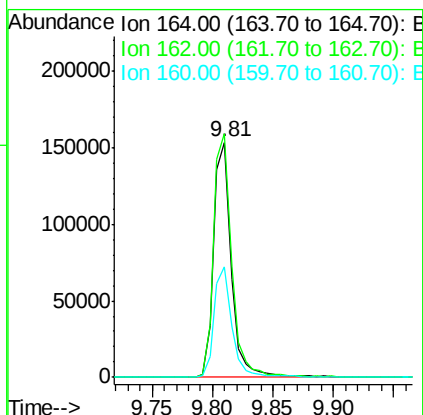
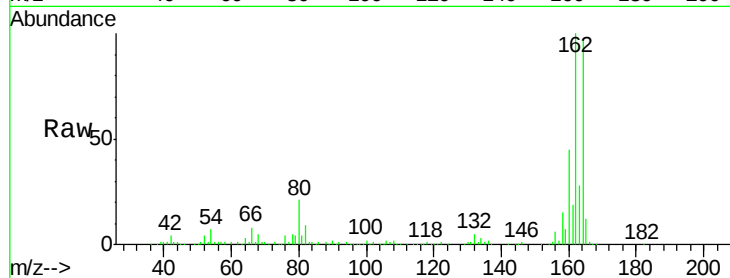




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

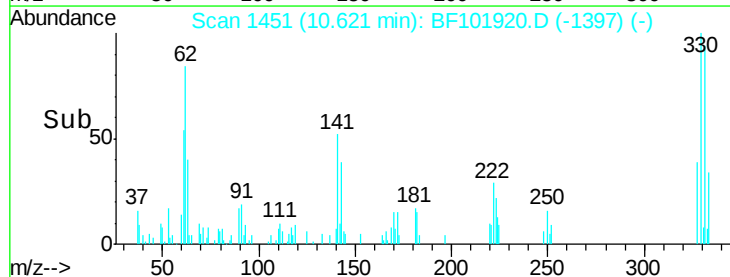
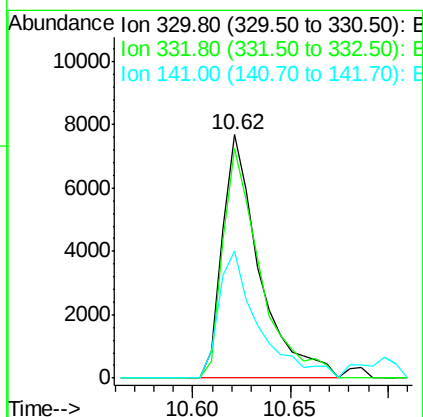
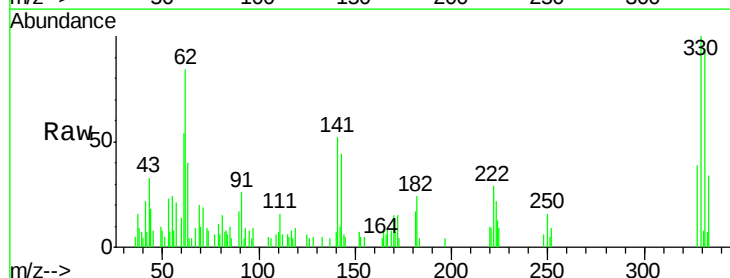
Instrument :
BNA_F
ClientSampleId :
B-2(5)

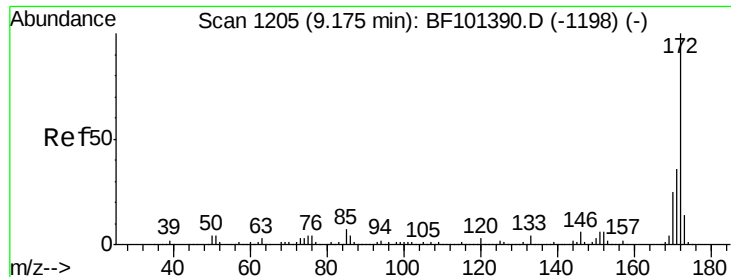
Tgt Ion:164 Resp: 154734
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 46.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 6.812 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.02 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Tgt Ion:330 Resp: 10156
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 55.3 29.9 44.9#

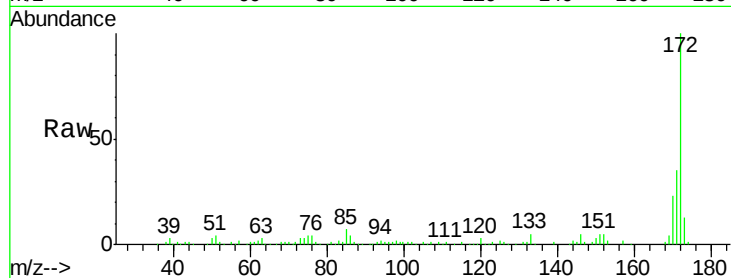




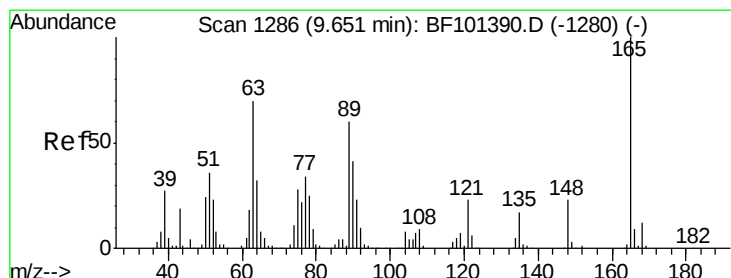
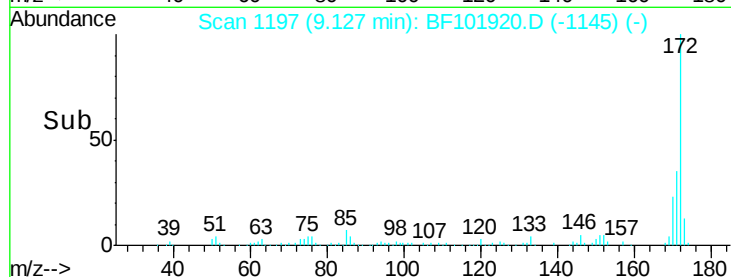
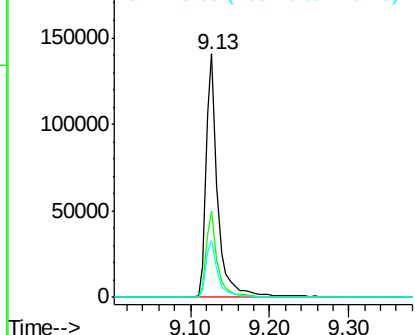
#44
 2-Fluorobiphenyl
 Concen: 14.587 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF101920.D
 Acq: 5 Jan 2018 10:59

Instrument :
 BNA_F
 ClientSampleId :
 B-2(5)

Tgt Ion:172 Resp: 145499
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.1 19.6 29.4

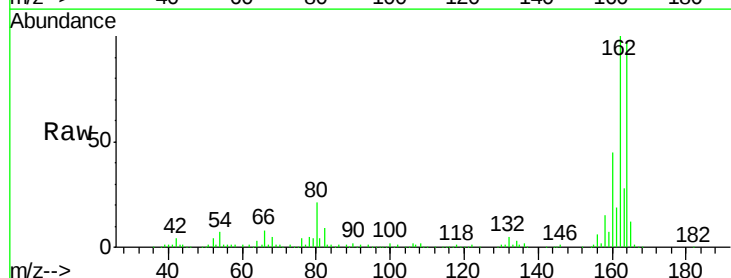


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

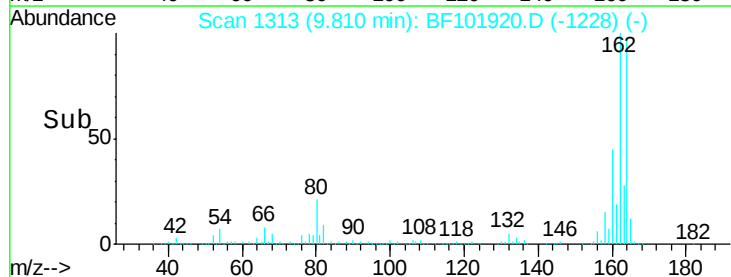
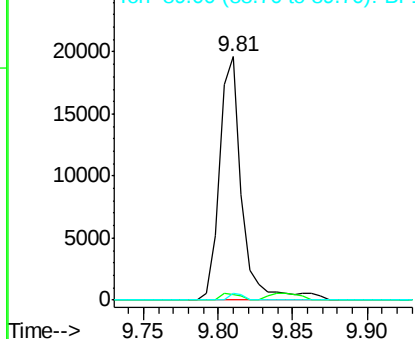


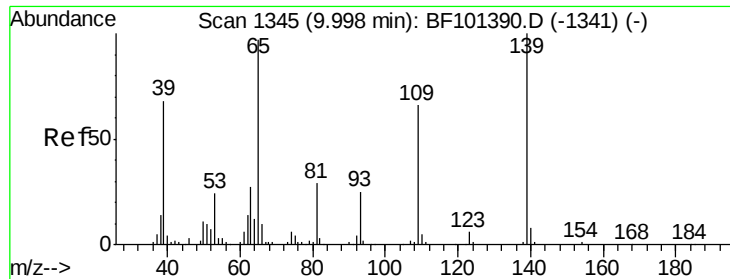
#50
 2,6-Dinitrotoluene
 Concen: 8.162 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101920.D
 Acq: 5 Jan 2018 10:59

Tgt Ion:165 Resp: 20647
 Ion Ratio Lower Upper
 165 100
 63 2.5 44.7 67.1#
 89 2.6 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





#55

4-Nitrophenol

Concen: 2.544 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.04 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

Instrument :

BNA_F

ClientSampleId :

B-2(5)

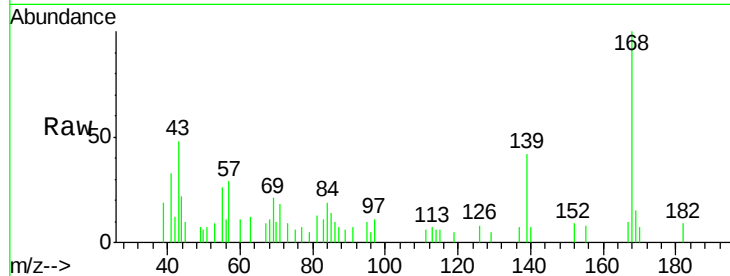
Tgt Ion:139 Resp: 3499

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

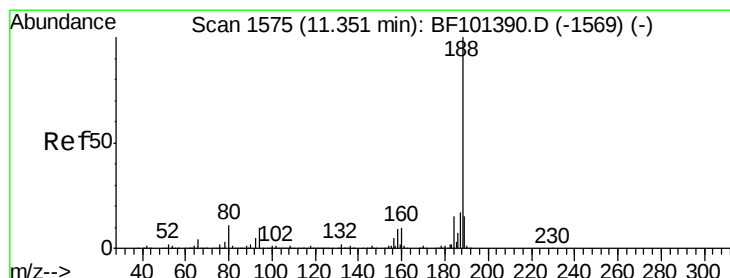
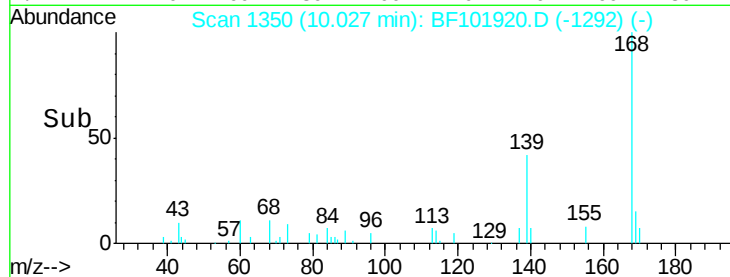
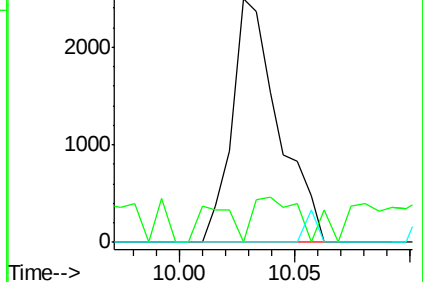
65 0.0 72.6 112.6#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

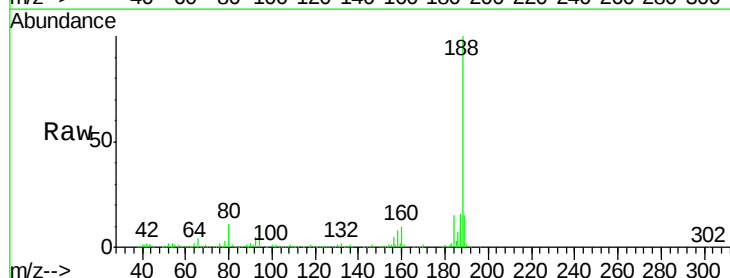
Tgt Ion:188 Resp: 247861

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

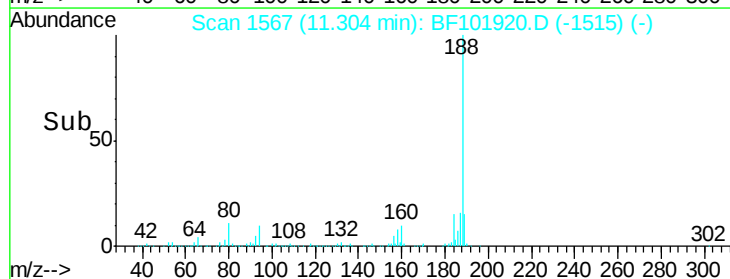
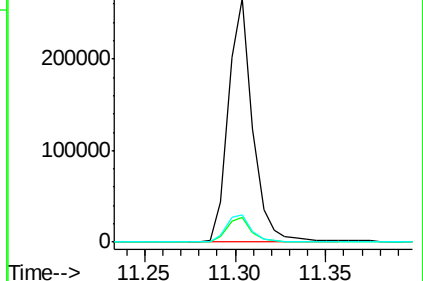
80 11.1 9.2 13.8

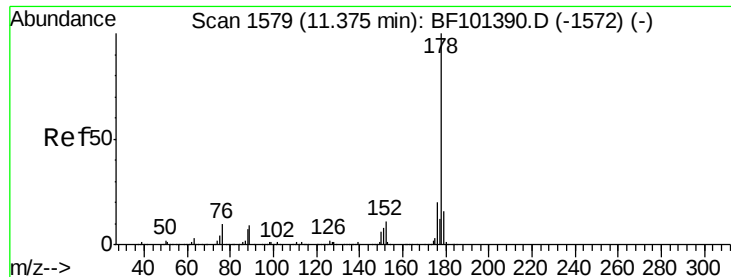


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

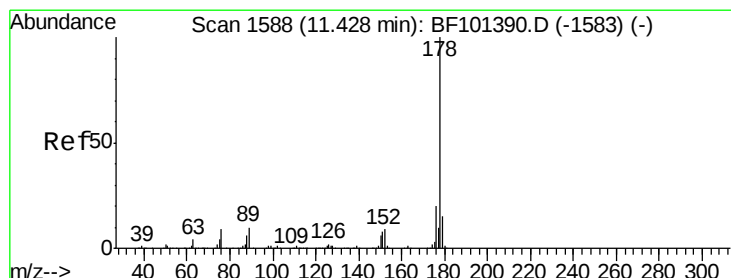
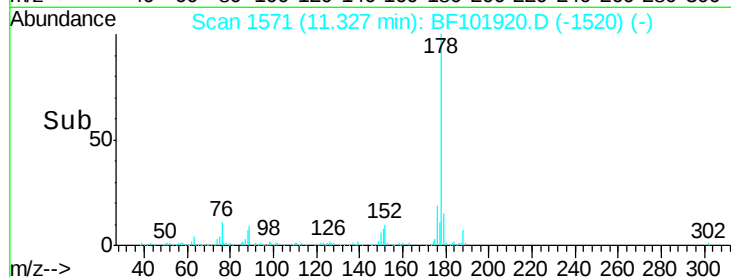
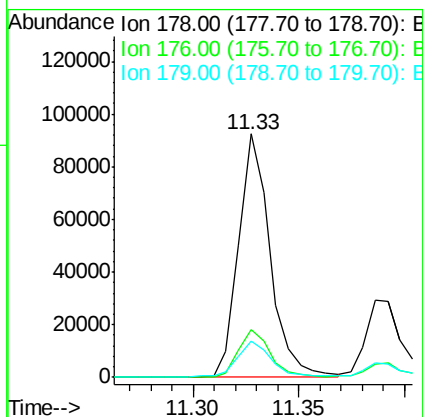
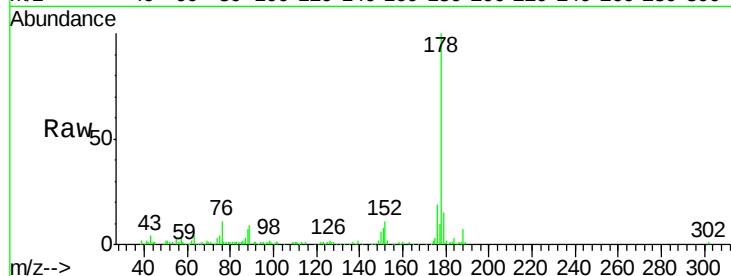




#70
Phenanthrene
Concen: 6.969 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

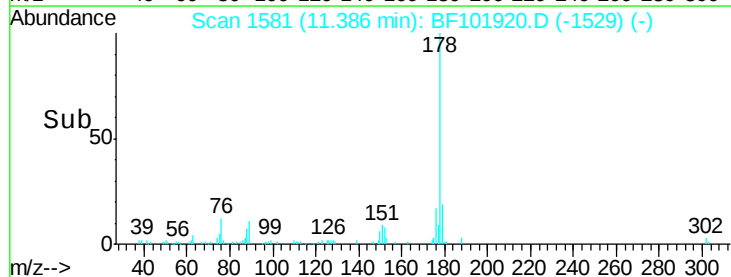
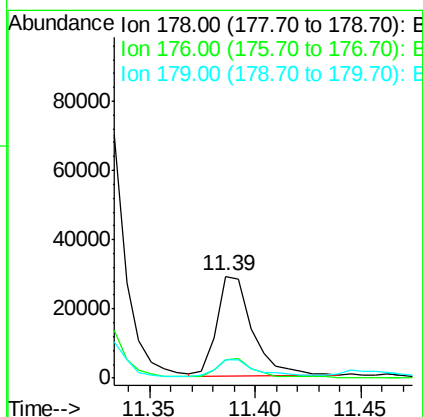
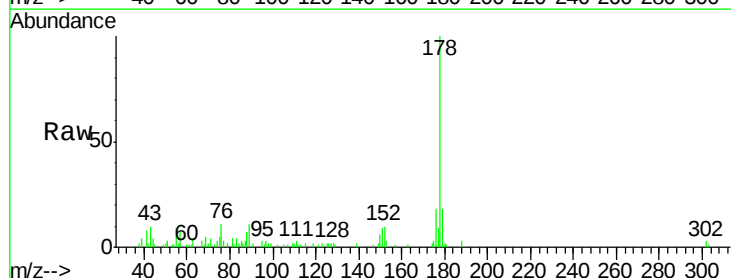
Instrument :
BNA_F
ClientSampleId :
B-2(5)

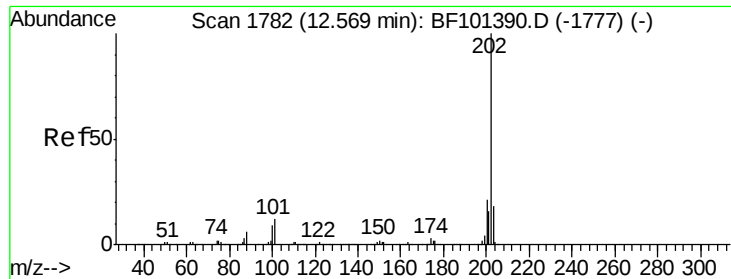
Tgt Ion:178 Resp: 96062
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 2.419 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Tgt Ion:178 Resp: 34054
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 18.3 12.6 19.0





#74

Fluoranthene

Concen: 12.031 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

Instrument :

BNA_F

ClientSampleId :

B-2(5)

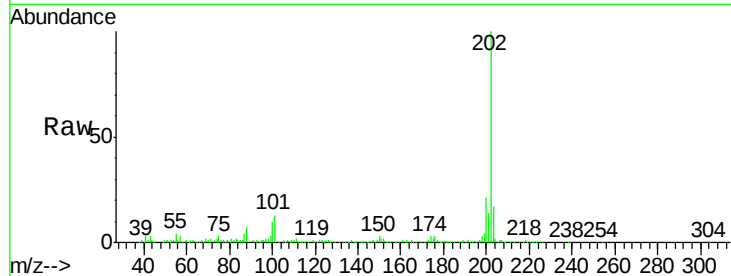
Tgt Ion:202 Resp: 174060

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

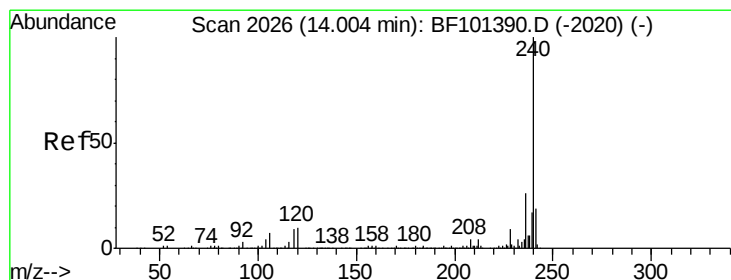
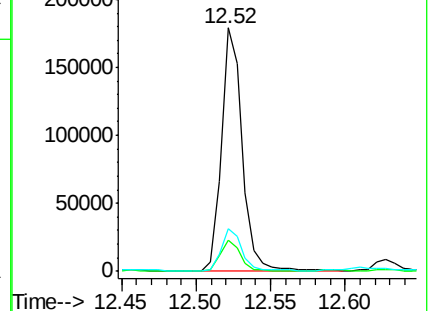
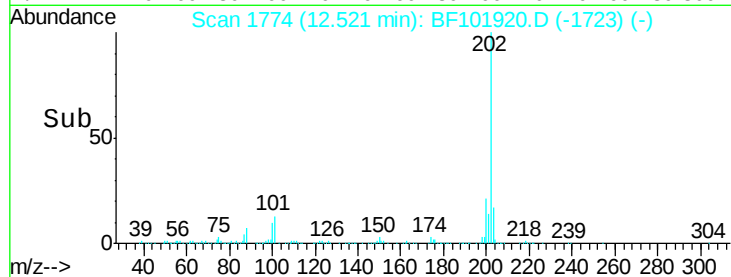
203 17.5 0.0 38.1



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: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

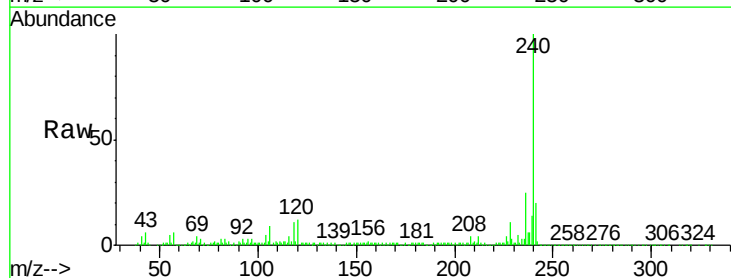
Tgt Ion:240 Resp: 258202

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

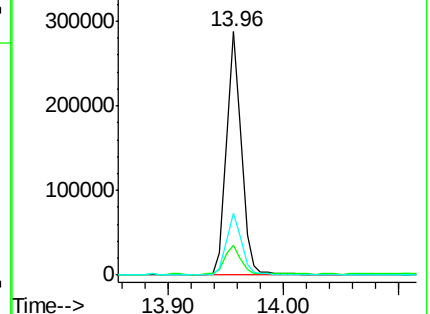
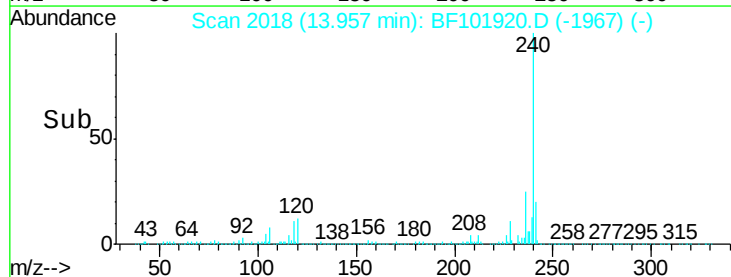
236 25.3 20.7 31.1

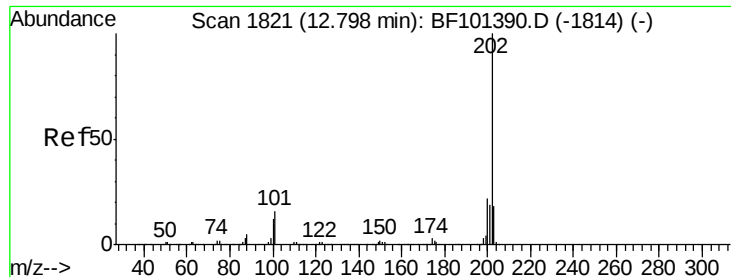


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.038 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

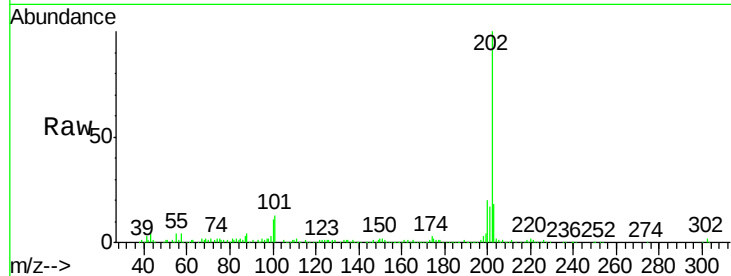
Instrument :

BNA_F

ClientSampleId :

B-2(5)

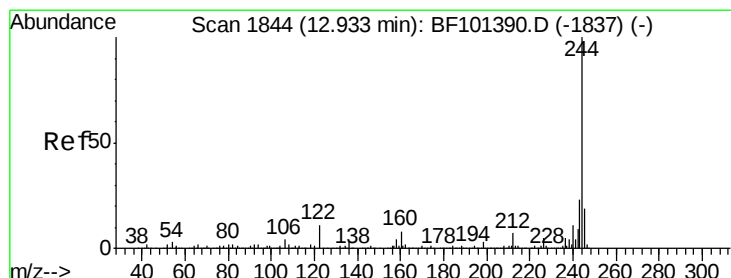
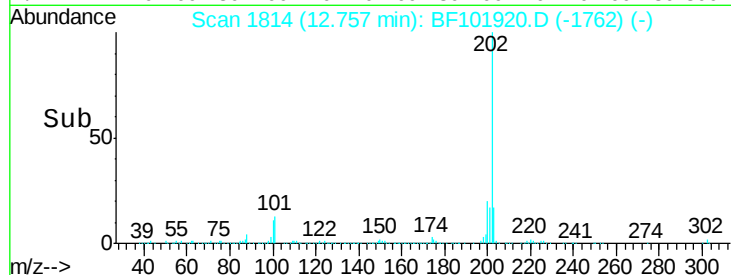
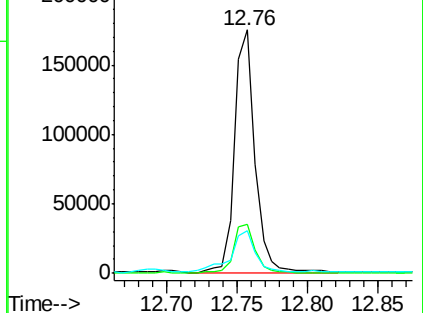
Tgt Ion:	202	Resp:	175141
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.6	14.3	21.5



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: 11.218 ng

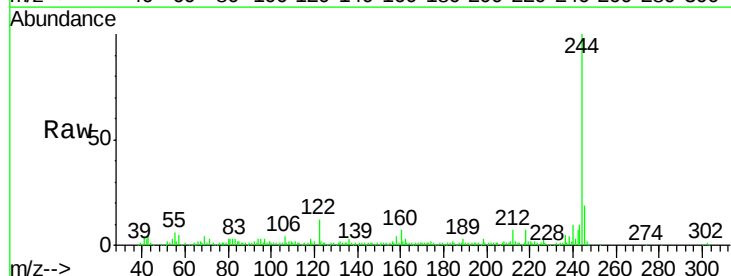
RT: 12.88 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

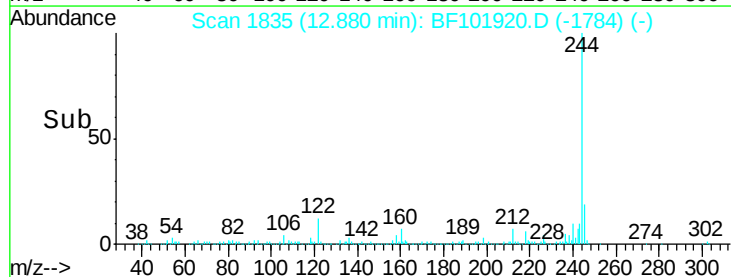
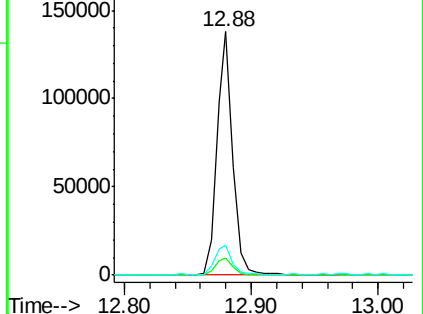
Tgt Ion:	244	Resp:	120147
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.0	11.0	16.4

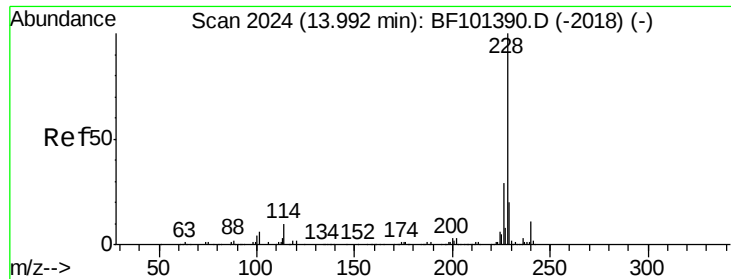


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.593 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

Instrument :

BNA_F

ClientSampleId :

B-2(5)

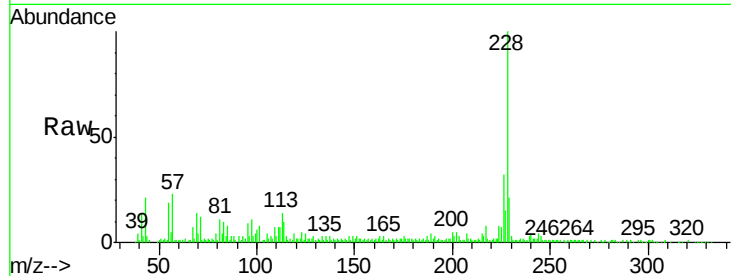
Tgt Ion:228 Resp: 95352

Ion Ratio Lower Upper

228 100

226 31.9 22.6 33.8

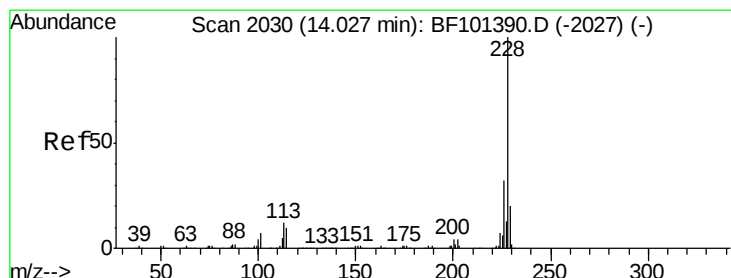
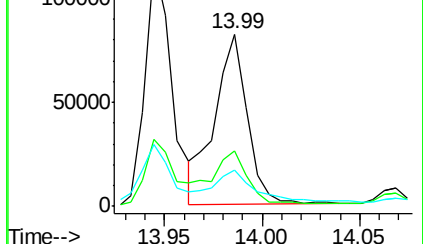
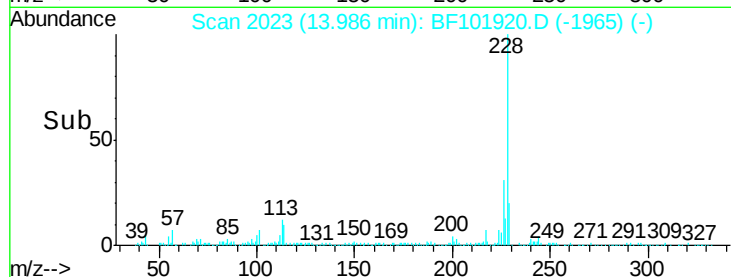
229 21.4 15.8 23.6



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: 5.923 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

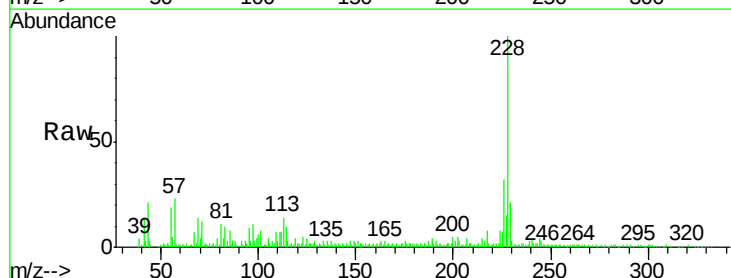
Tgt Ion:228 Resp: 95352

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

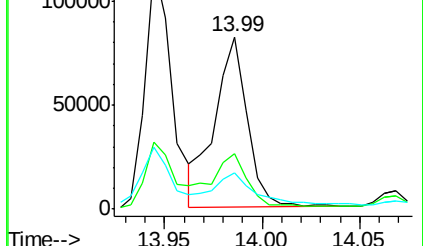
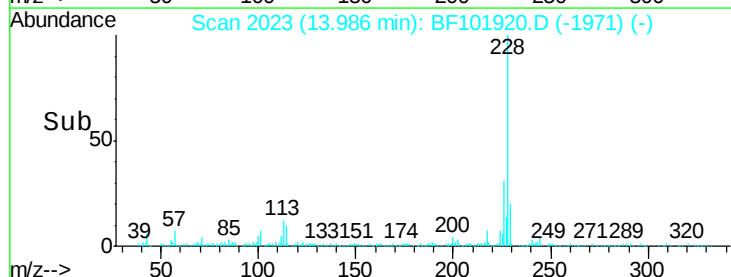
229 21.4 16.2 24.4

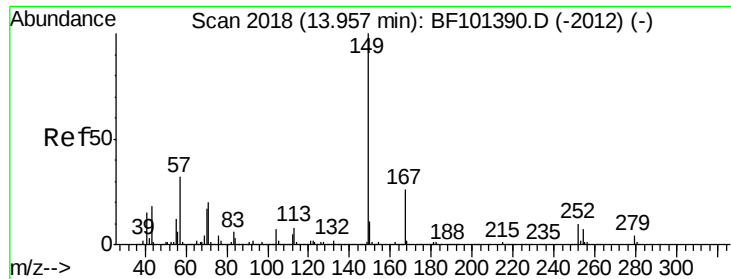


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

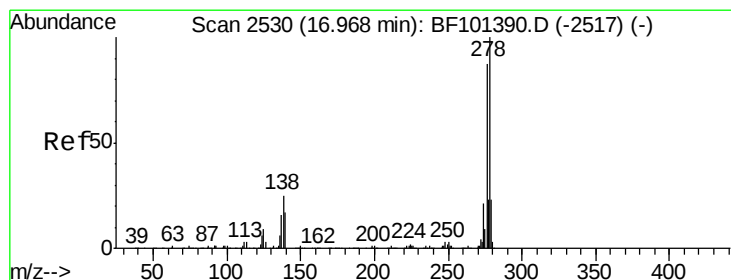
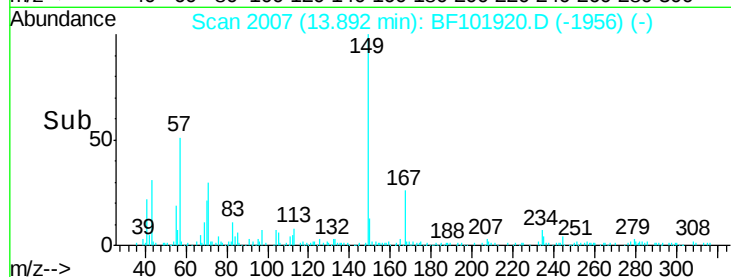
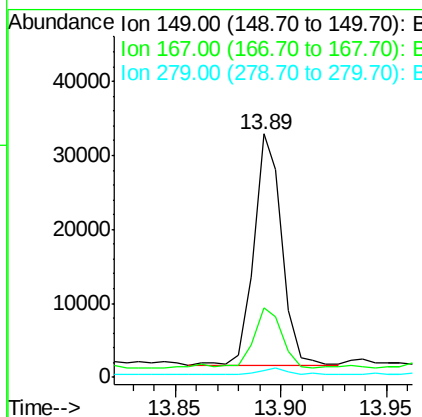
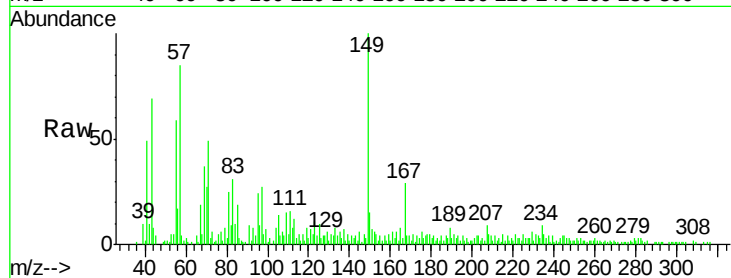




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.562 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BF101920.D
 Acq: 5 Jan 2018 10:59

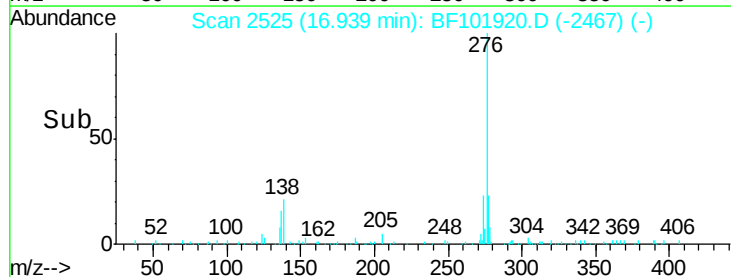
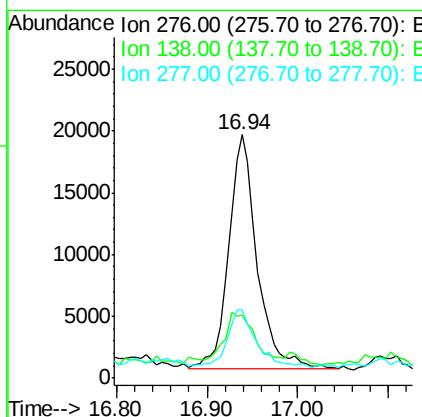
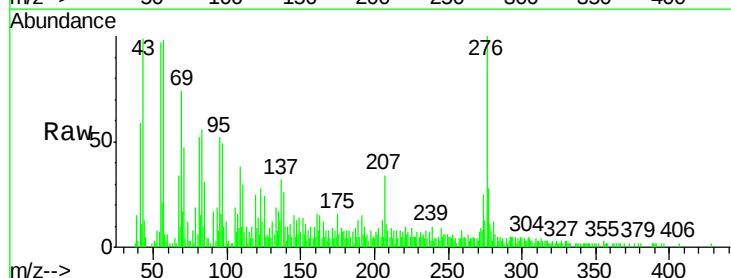
Instrument :
 BNA_F
 ClientSampleId :
 B-2(5)

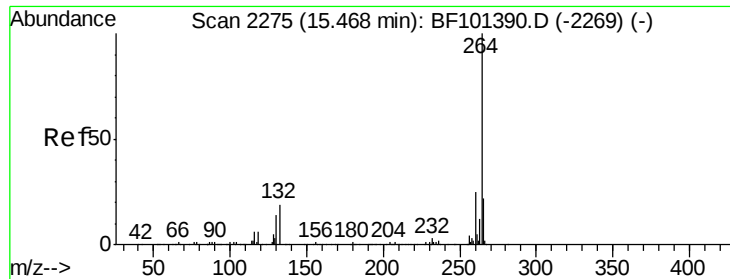
Tgt Ion:149 Resp: 28456
 Ion Ratio Lower Upper
 149 100
 167 28.5 21.3 31.9
 279 2.6 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.840 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.04 min
 Lab File: BF101920.D
 Acq: 5 Jan 2018 10:59

Tgt Ion:276 Resp: 40717
 Ion Ratio Lower Upper
 276 100
 138 20.2 25.0 37.6#
 277 26.2 20.1 30.1

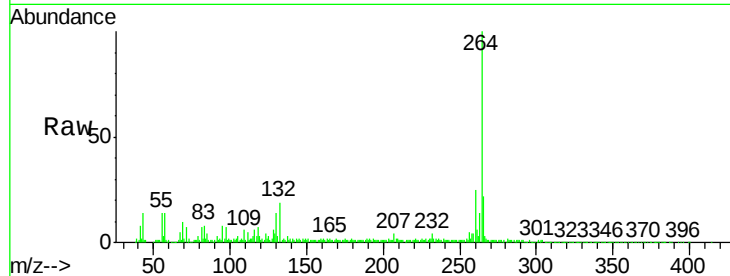




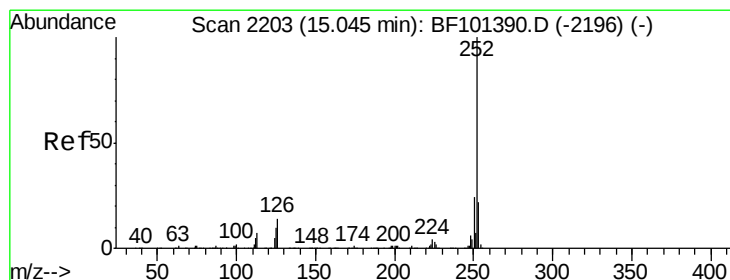
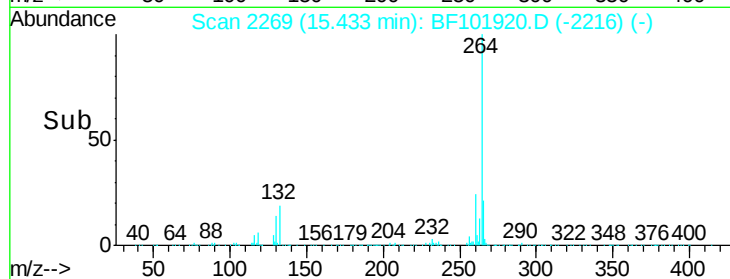
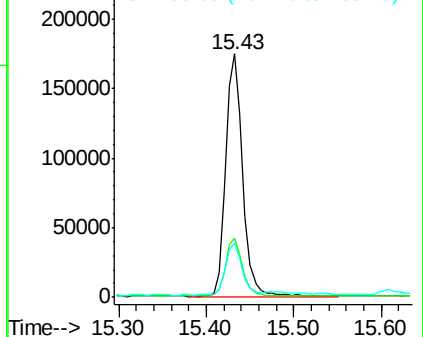
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Instrument :
BNA_F
ClientSampleId :
B-2(5)

Tgt Ion:264 Resp: 232423
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.3 17.5 26.3

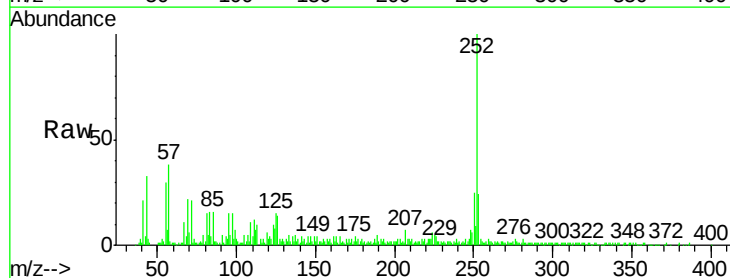


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

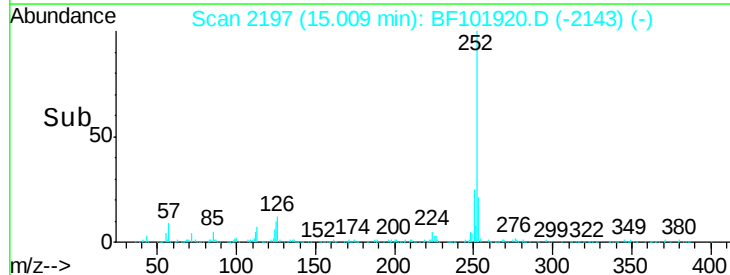
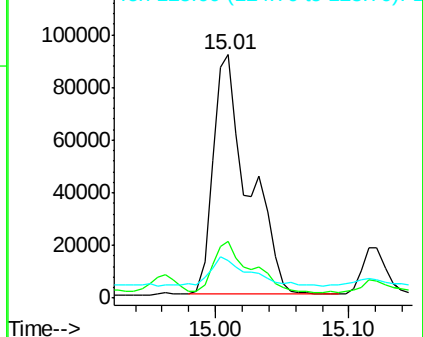


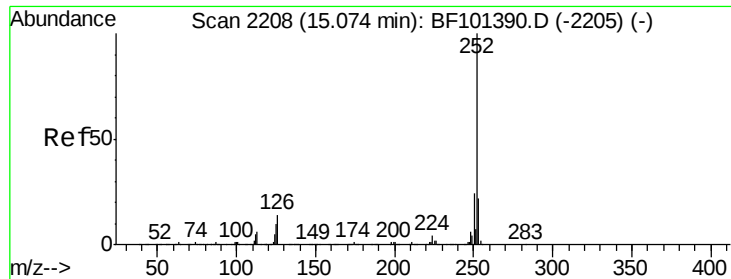
#87
Benzo(b)fluoranthene
Concen: 11.760 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Tgt Ion:252 Resp: 166600
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 15.3 9.0 13.6#



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

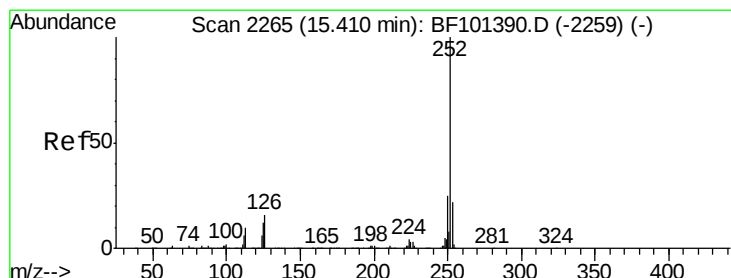
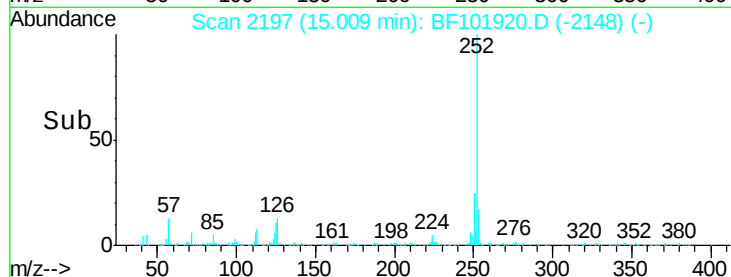
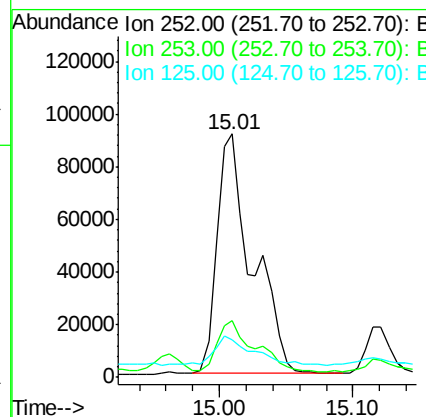
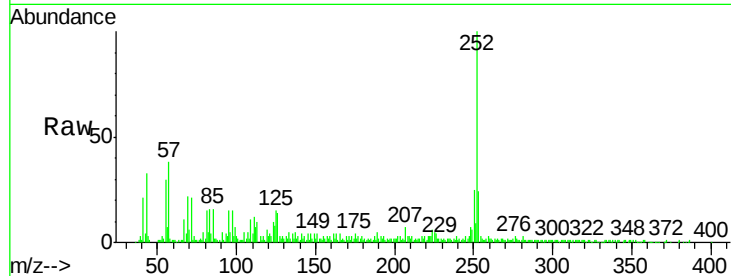




#88
Benzo(k)fluoranthene
Concen: 12.095 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

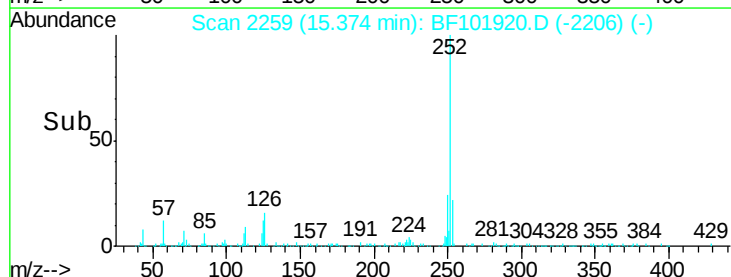
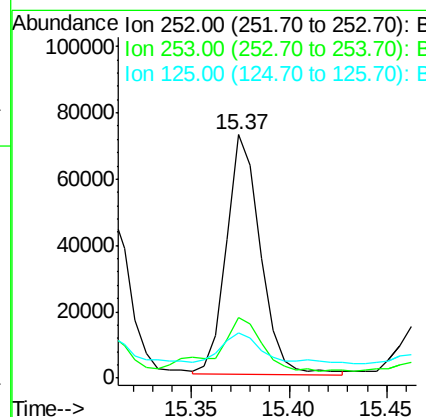
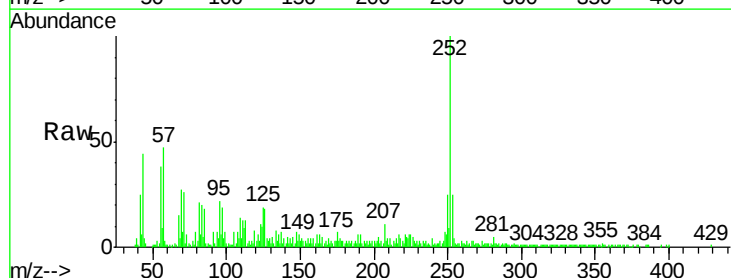
Instrument :
BNA_F
ClientSampleId :
B-2(5)

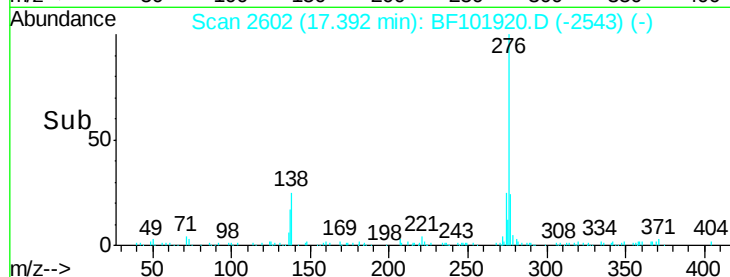
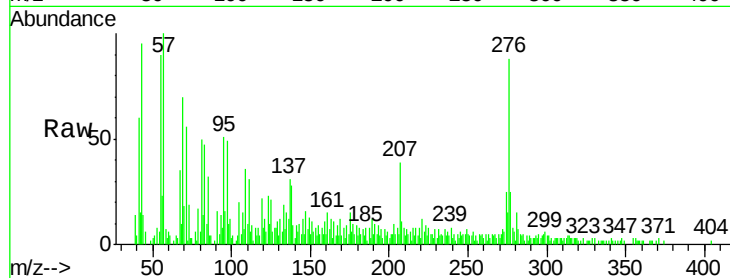
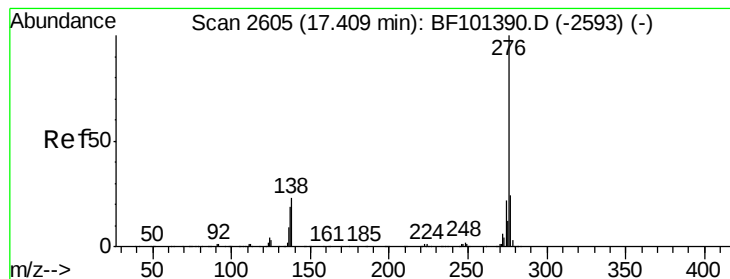
Tgt Ion: 252 Resp: 166600
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 15.3 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 6.714 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF101920.D
Acq: 5 Jan 2018 10:59

Tgt Ion: 252 Resp: 87686
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 18.7 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 3.201 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.05 min

Lab File: BF101920.D

Acq: 5 Jan 2018 10:59

Instrument :

BNA_F

ClientSampleId :

B-2(5)

Tgt Ion:276 Resp: 35542

Ion Ratio Lower Upper

276 100

277 27.8 17.9 26.9#

138 31.8 21.8 32.8

