

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102230.D
 Acq On : 19 Jan 2018 21:31
 Operator : SJ/JU
 Sample : J1018-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 20 00:22:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

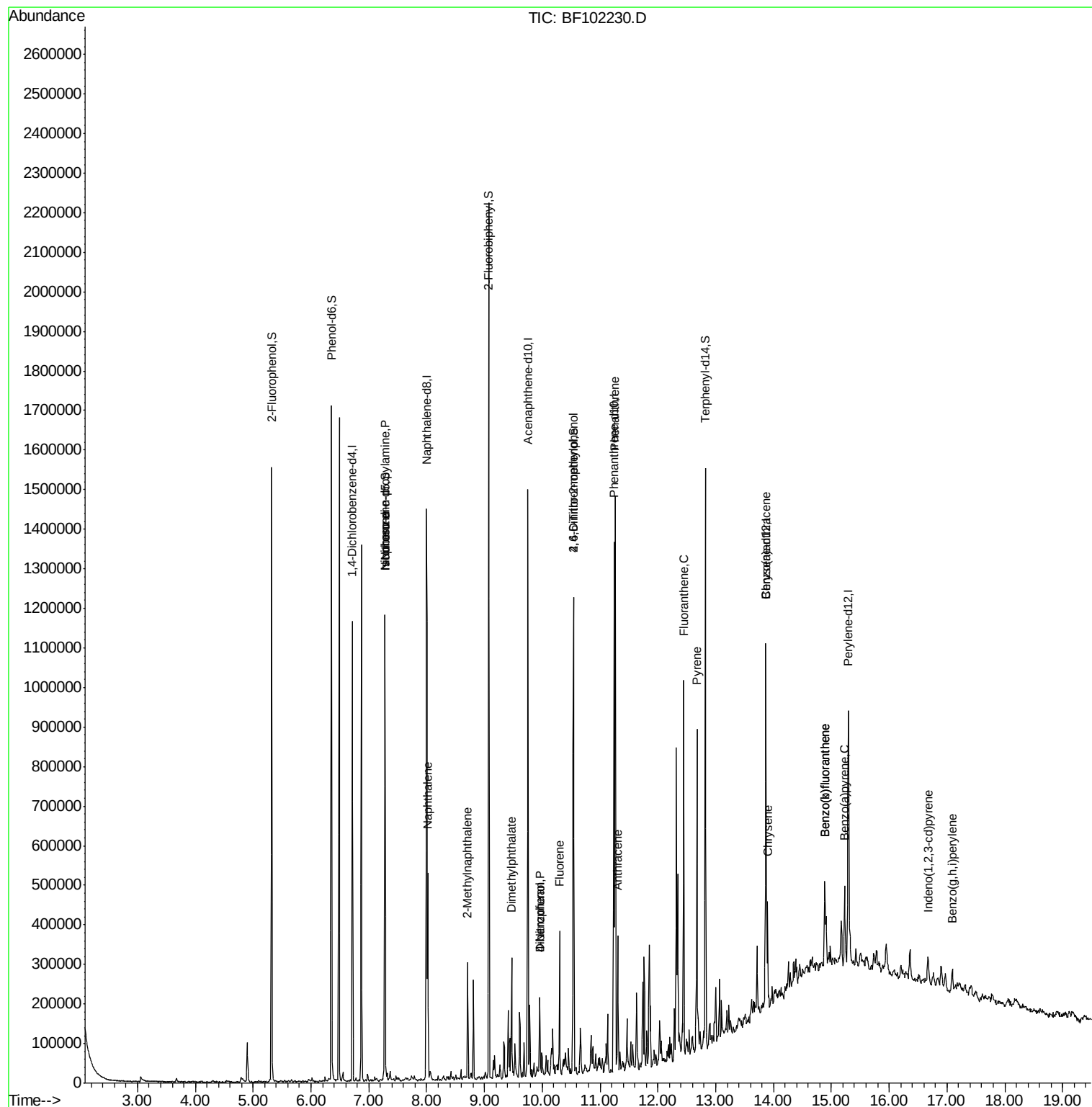
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	152285	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	631104	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	281782	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	466883	20.00	ng	0.00
75) Chrysene-d12	13.87	240	281915	20.00	ng	0.00
86) Perylene-d12	15.30	264	289894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	433870	40.23	ng	0.00
7) Phenol-d6	6.35	99	527265	40.98	ng	-0.02
23) Nitrobenzene-d5	7.28	82	317873	29.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	116769	47.48	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	601319	33.34	ng	-0.01
78) Terphenyl-d14	12.82	244	446186	32.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	41854	4.964	ng	# 81
25) Isophorone	7.28	82	317869	14.979	ng	# 64
31) Naphthalene	8.02	128	186989	5.930	ng	98
37) 2-Methylnaphthalene	8.71	142	73892	3.559	ng	96
49) Dimethylphthalate	9.47	163	97775	4.325	ng	99
54) Dibenzofuran	9.96	168	57462	2.251	ng	97
55) 4-Nitrophenol	9.96	139	21292	5.014	ng	# 11
57) Fluorene	10.30	166	88992	5.042	ng	99
64) 4,6-Dinitro-2-methylphenol	10.54	198	141	5.711	ng	# 1
70) Phenanthrene	11.26	178	512296	18.785	ng	99
71) Anthracene	11.31	178	112162	4.055	ng	98
74) Fluoranthene	12.45	202	344196	12.828	ng	99
77) Pyrene	12.67	202	310171	12.447	ng	99
80) Benzo(a)anthracene	13.86	228	104457	5.807	ng	92
82) Chrysene	13.90	228	97867	5.218	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	43962	3.220	ng	97
87) Benzo(b)fluoranthene	14.89	252	142113	7.518	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	142113	7.794	ng	98
89) Benzo(a)pyrene	15.23	252	84410	4.963	ng	# 94
91) Benzo(a,h,i)perylene	17.09	276	41574	3.041	ng	95

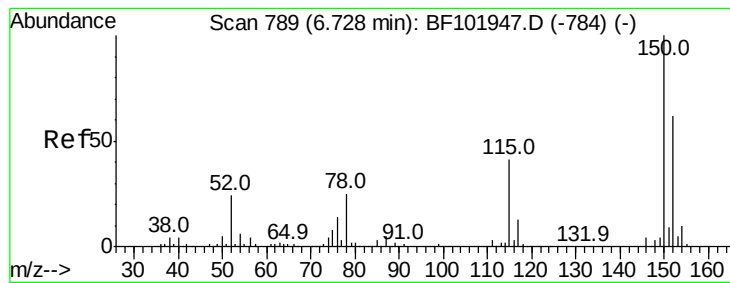
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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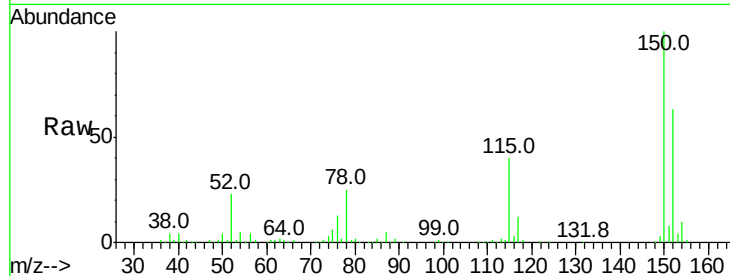


#1

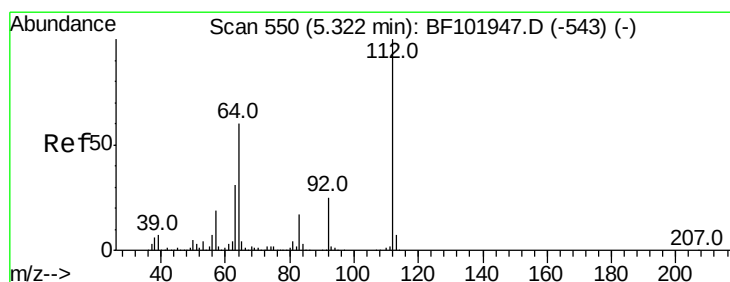
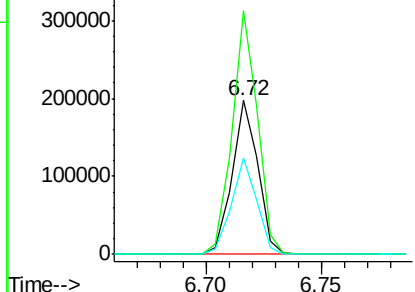
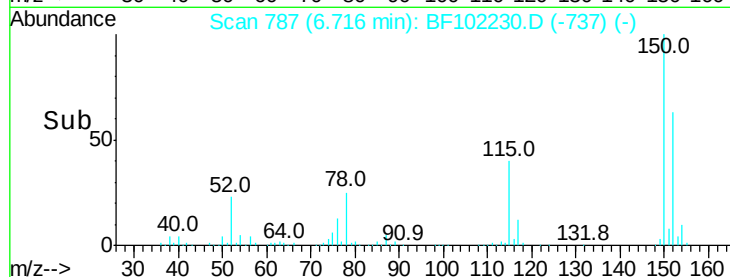
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	63.0	50.1	75.1



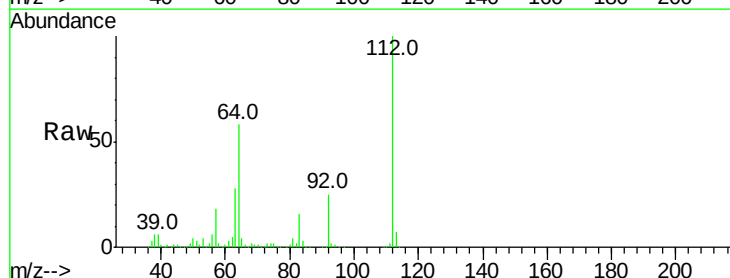
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



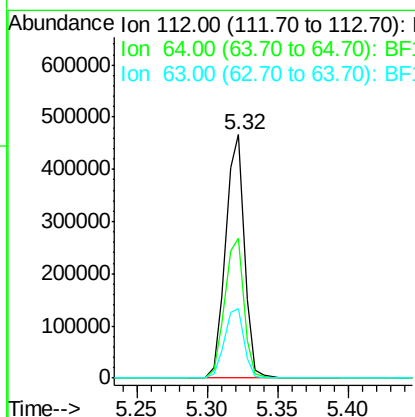
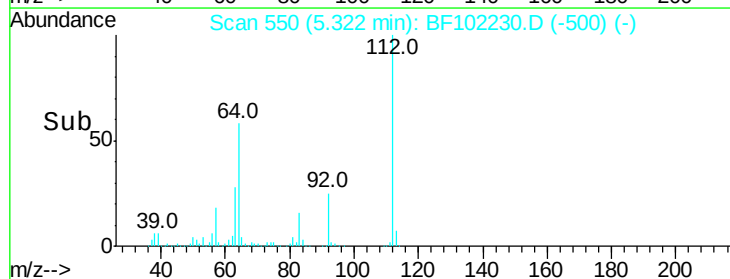
#5

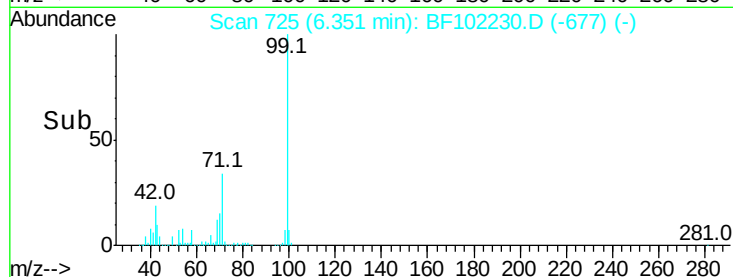
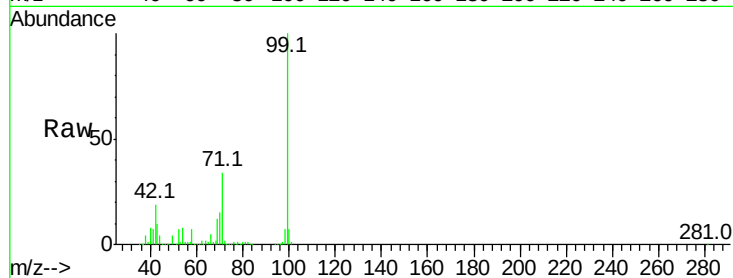
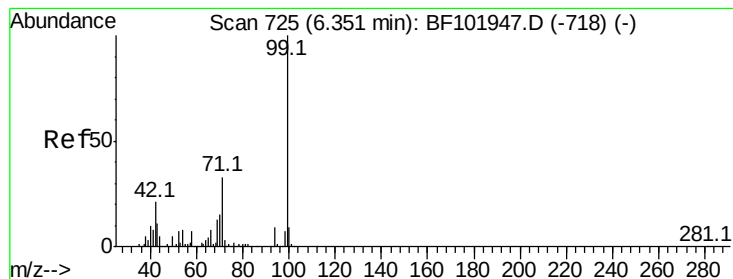
2-Fluorophenol
Concen: 40.231 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	28.4	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: 40.978 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

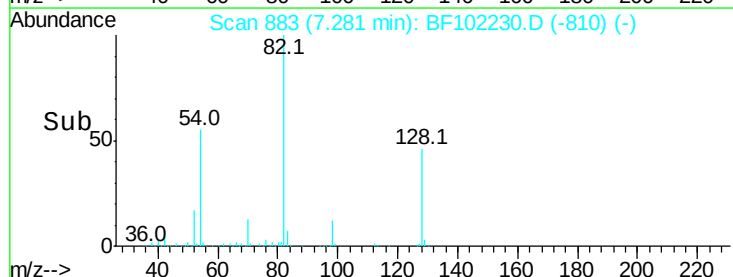
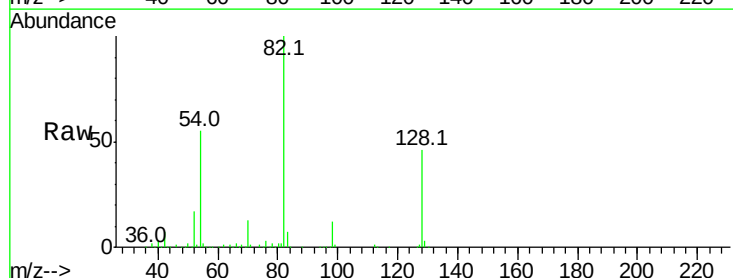
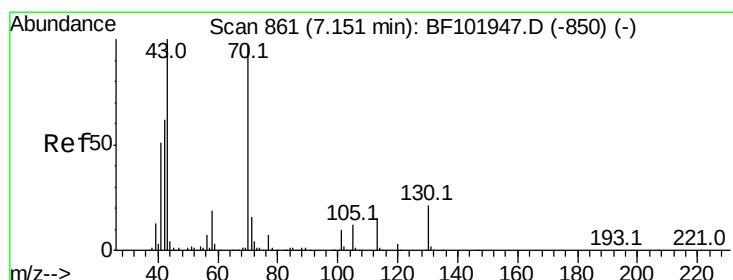
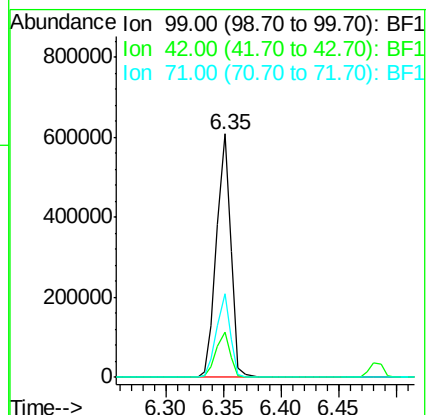
Tot Ion: 99 Resp: 527265

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.964 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion: 70 Resp: 41854

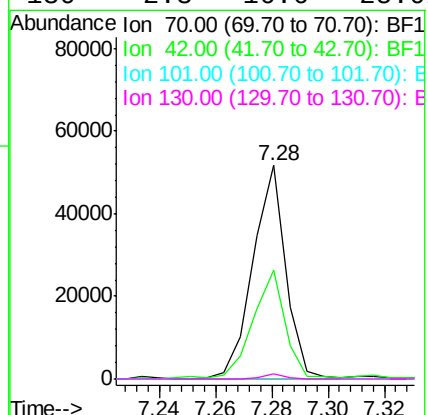
Ion Ratio Lower Upper

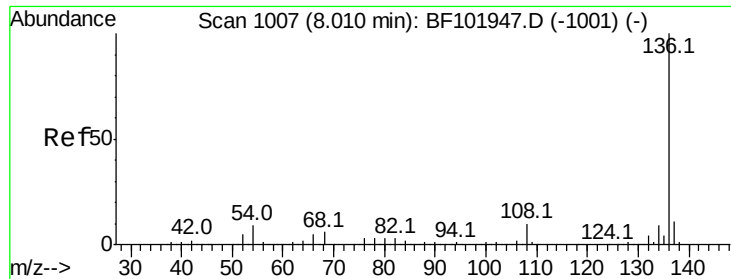
70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

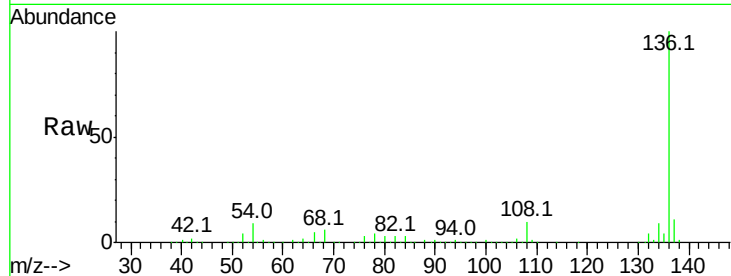




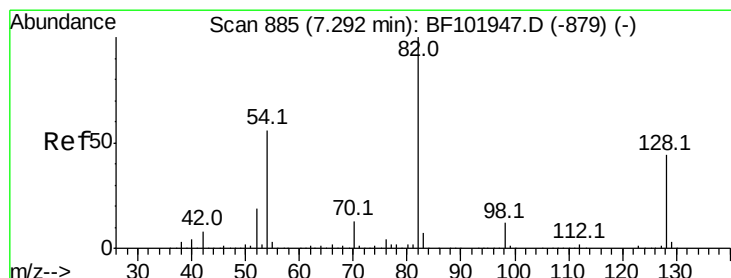
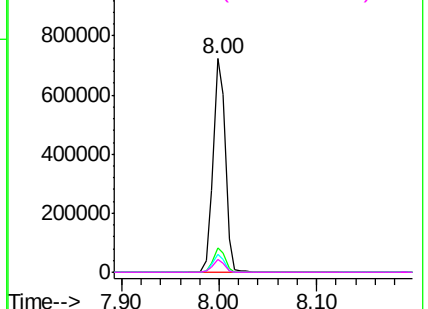
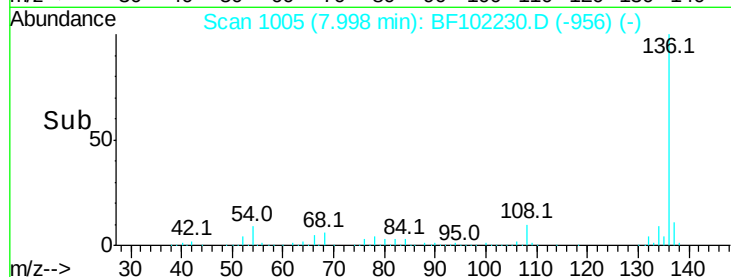
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	631104
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	6.6	9.8
68	5.9	5.0	7.4

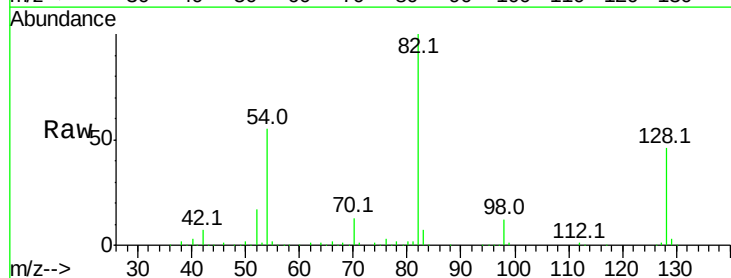


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

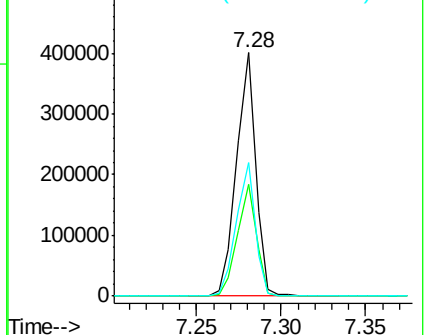
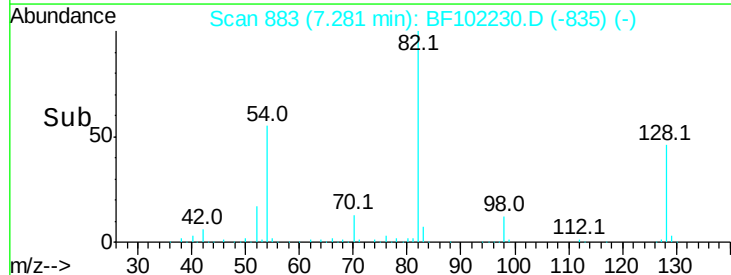


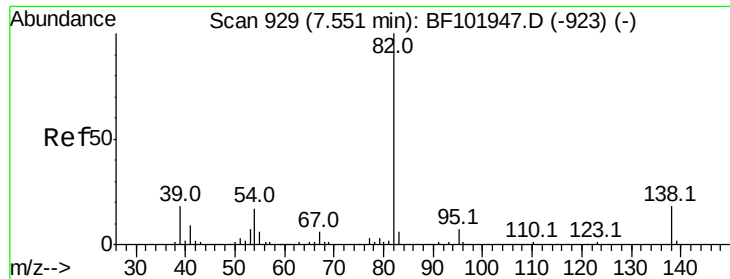
#23
Nitrobenzene-d5
Concen: 29.598 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion:	82	Resp:	317873
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	54.7	41.4	62.2



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





#25

Isophorone

Concen: 14.979 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampled :

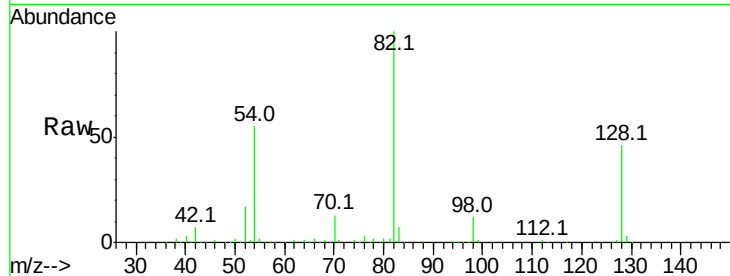
Tot Ion: 82 Resp: 317869

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

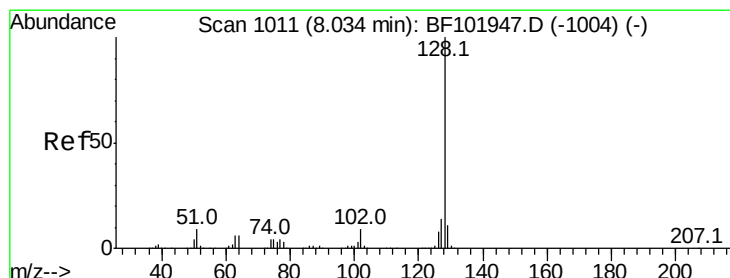
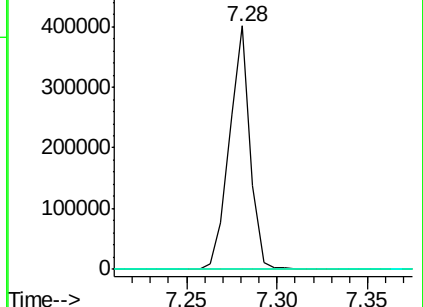
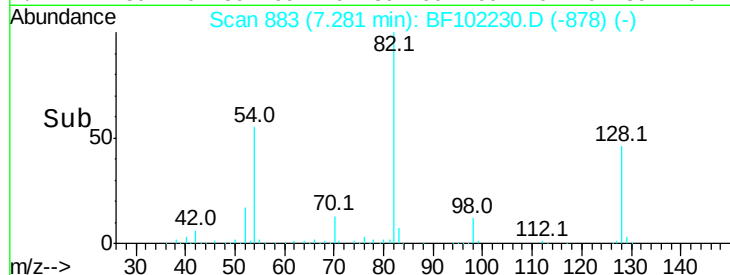
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 5.930 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

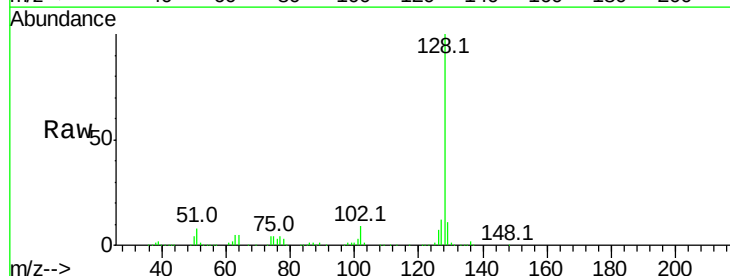
Tgt Ion: 128 Resp: 186989

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

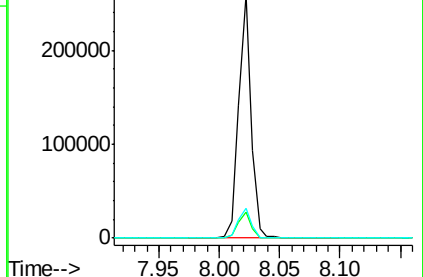
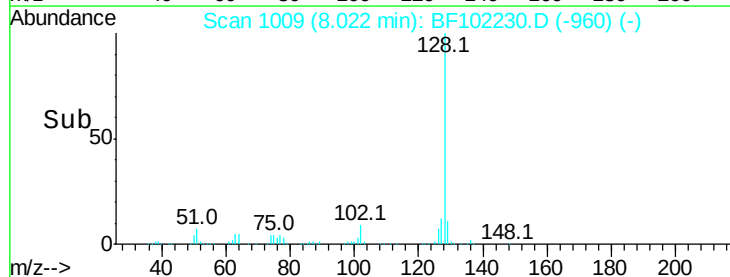
127 12.3 10.9 16.3

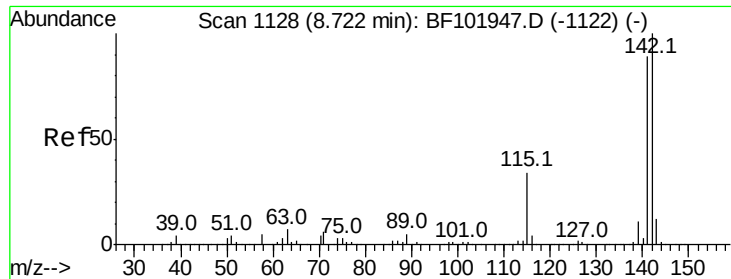


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

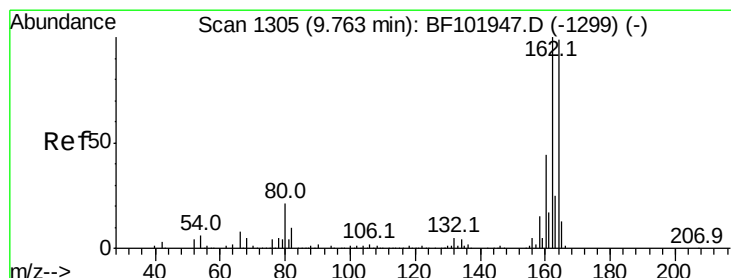
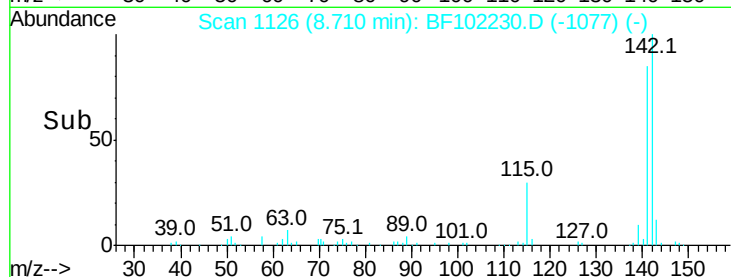
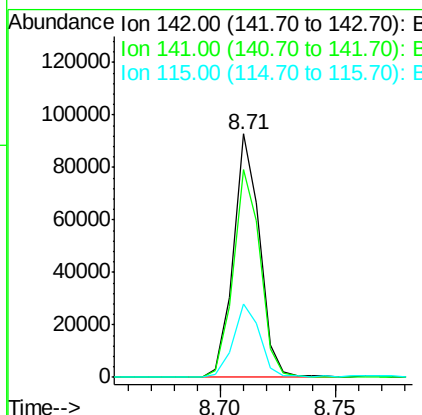
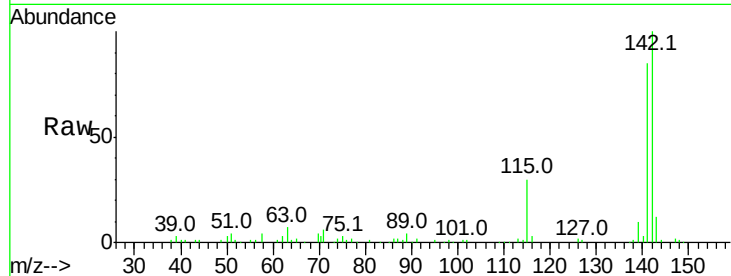




#37
2-Methylnaphthalene
Concen: 3.559 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

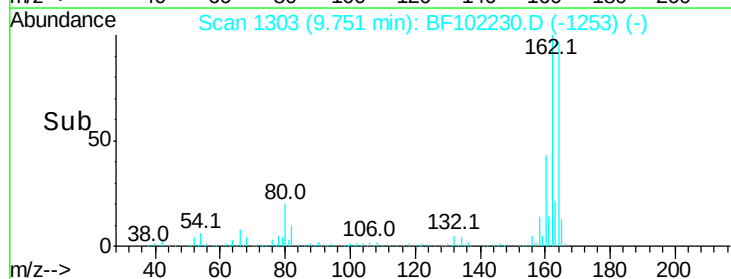
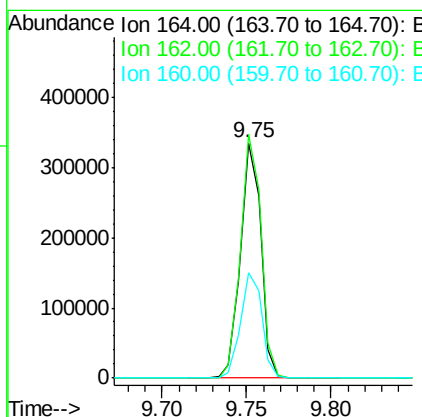
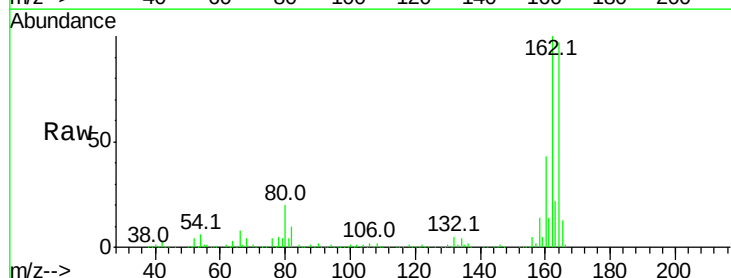
Instrument :
BNA_F
ClientSampleId :

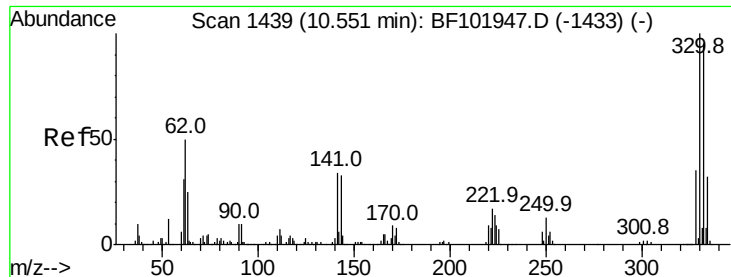
Tot Ion:142 Resp: 73892
Ion Ratio Lower Upper
142 100
141 85.1 70.8 106.2
115 29.9 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion:164 Resp: 281782
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 44.6 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 47.485 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

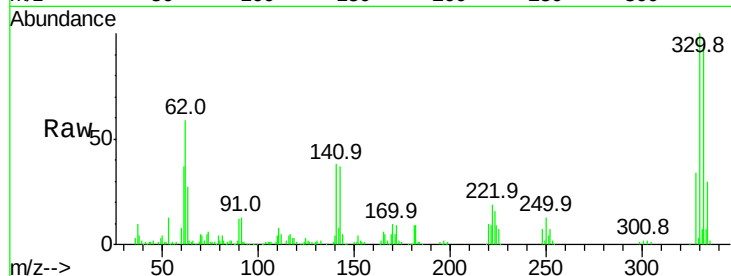
Tot Ion:330 Resp: 116769

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

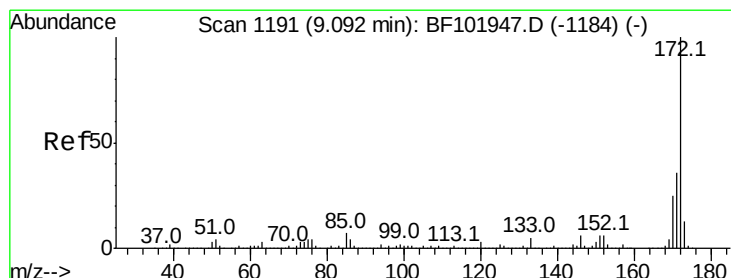
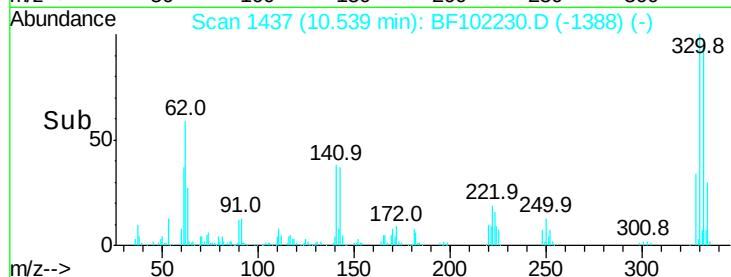
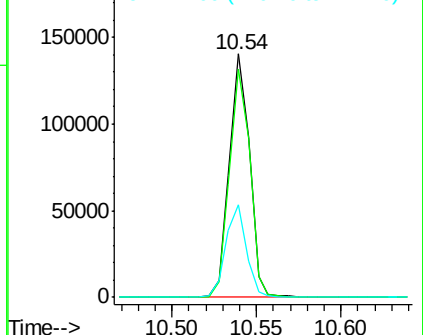
141 39.2 29.9 44.9



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: 33.339 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

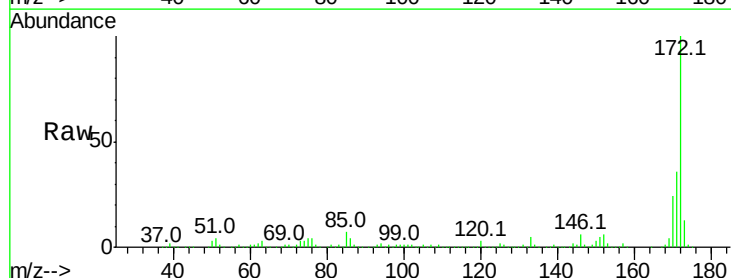
Tgt Ion:172 Resp: 601319

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

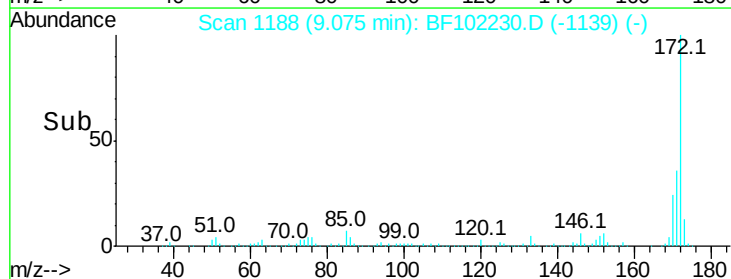
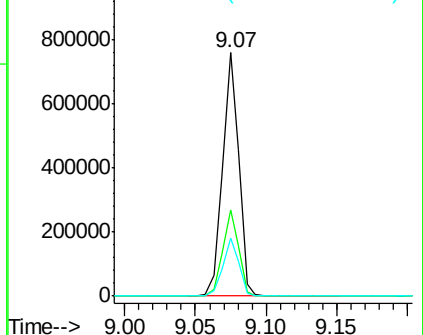
170 23.8 19.6 29.4

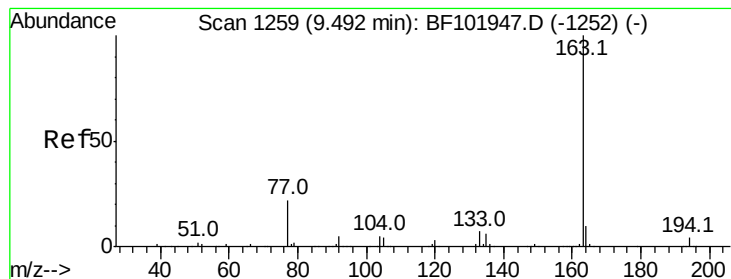


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.325 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

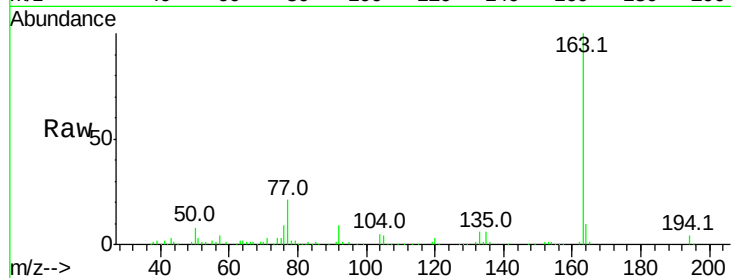
Tot Ion:163 Resp: 97775

Ion Ratio Lower Upper

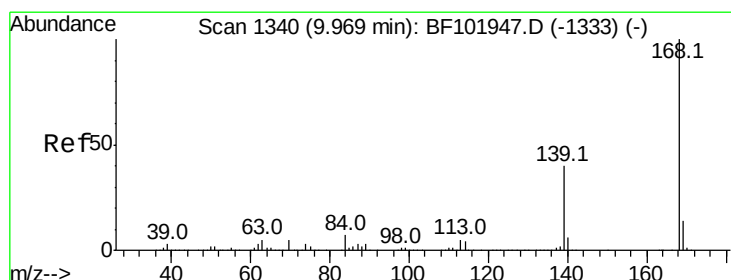
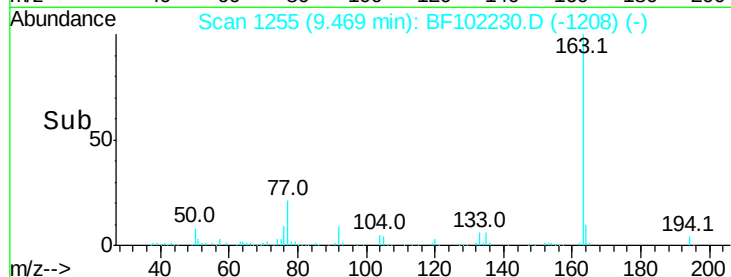
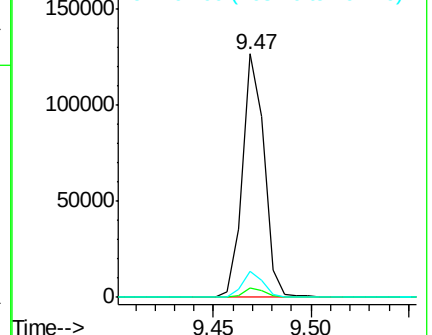
163 100

194 3.6 2.7 4.1

164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#54

Dibenzofuran

Concen: 2.251 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

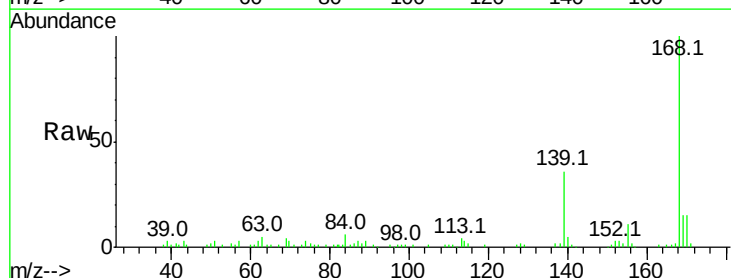
Tgt Ion:168 Resp: 57462

Ion Ratio Lower Upper

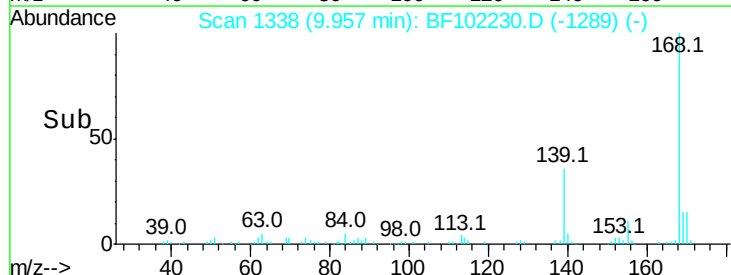
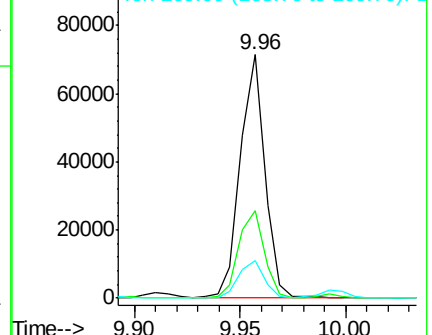
168 100

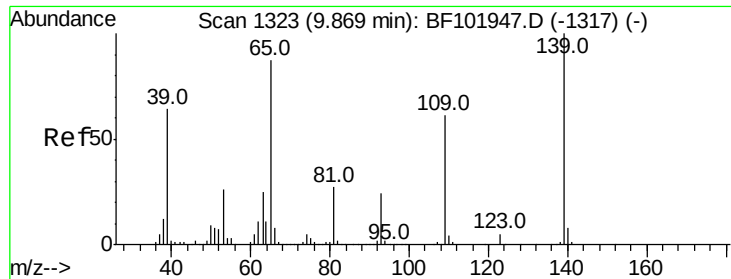
139 36.0 30.1 45.1

169 15.3 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

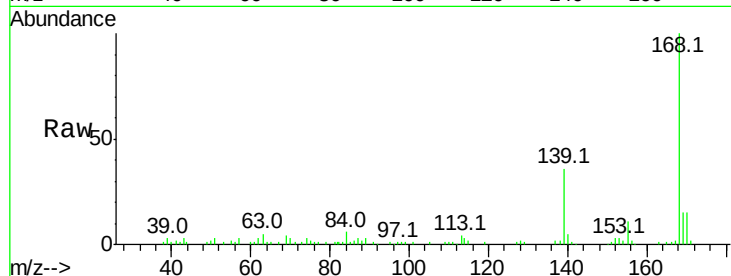




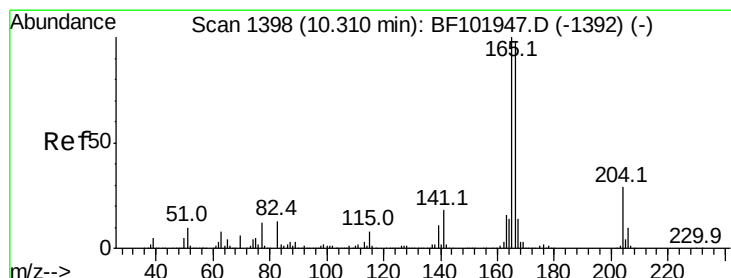
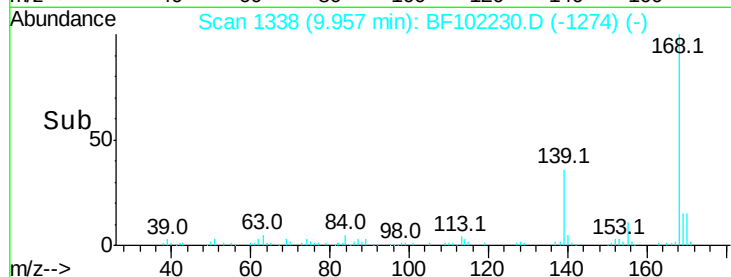
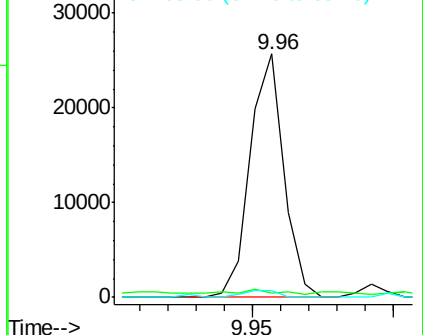
#55
4-Nitrophenol
Concen: 5.014 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.08 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.9	48.4	88.4#
65	3.0	72.6	112.6#

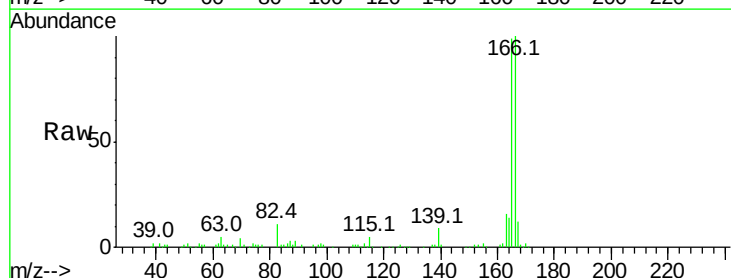


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

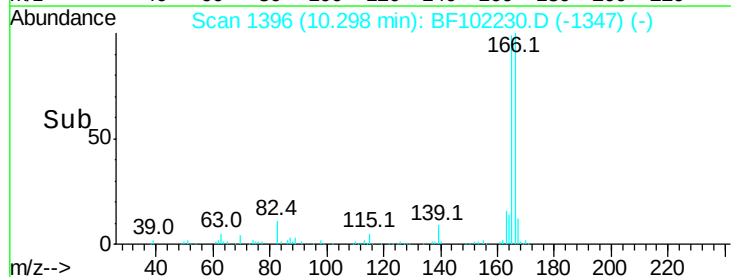
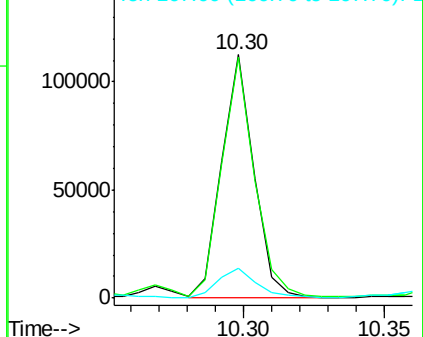


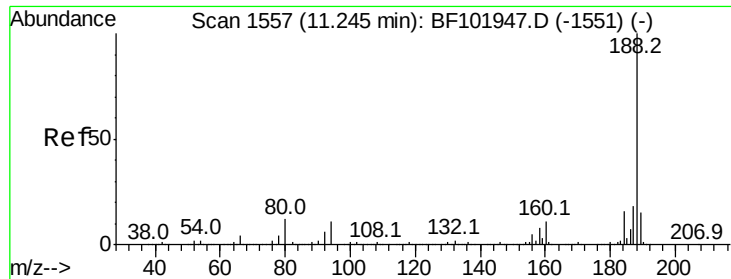
#57
Fluorene
Concen: 5.042 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	12.2	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

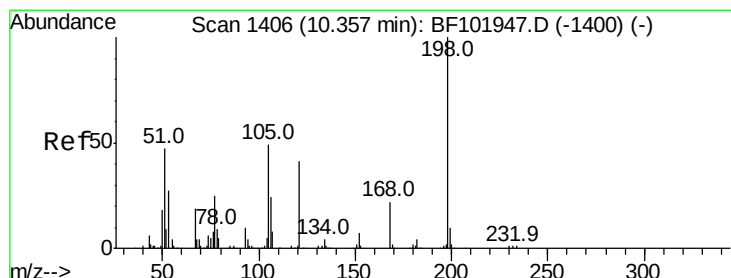
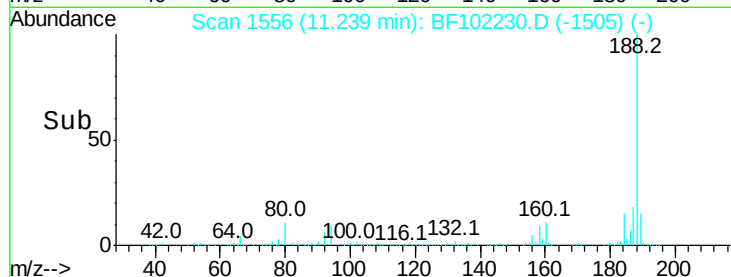
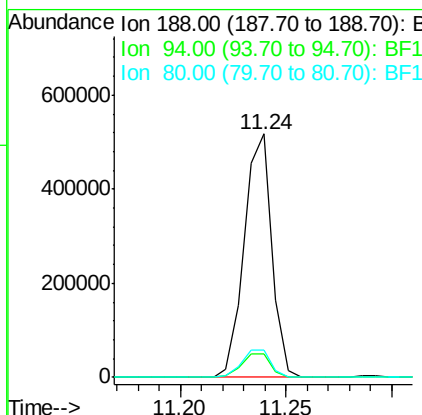
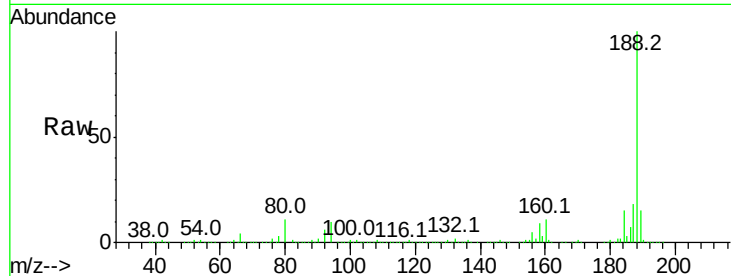




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

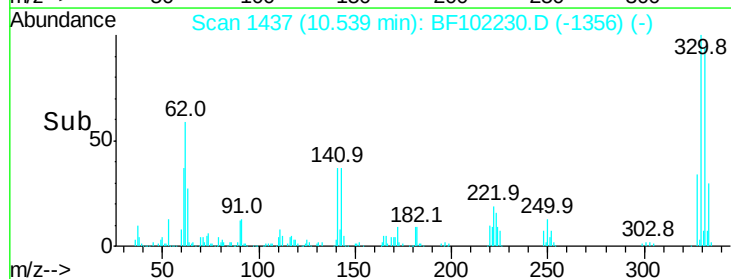
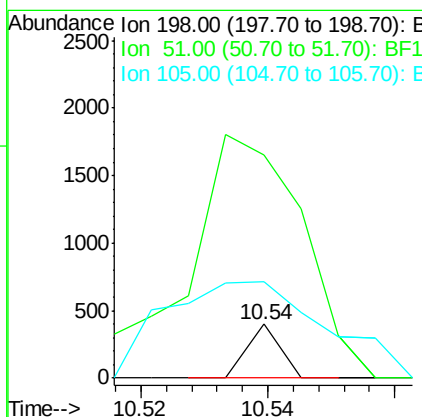
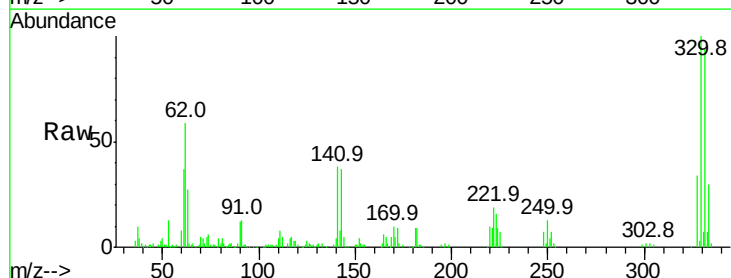
Instrument :
 BNA_F
 ClientSampleId :

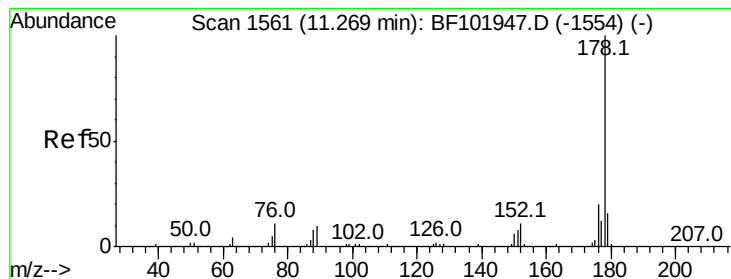
Tot Ion:188 Resp: 466883
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 11.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.711 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Tgt Ion:198 Resp: 141
 Ion Ratio Lower Upper
 198 100
 51 413.8 37.7 77.7#
 105 178.2 36.3 76.3#





#70

Phenanthrene

Concen: 18.785 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

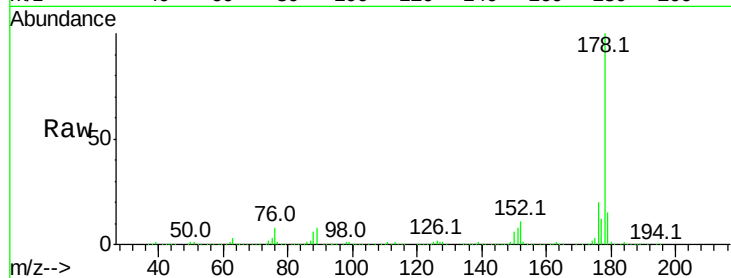
Tot Ion:178 Resp: 512296

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

178 100

176 19.6 15.8 23.8

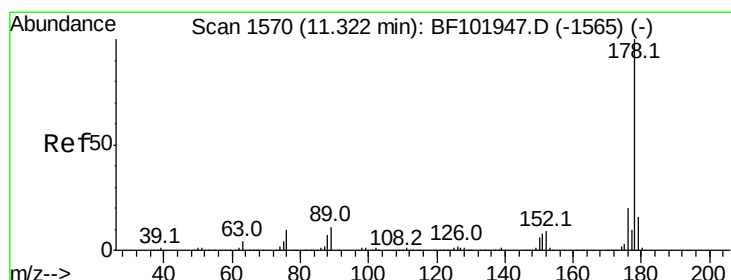
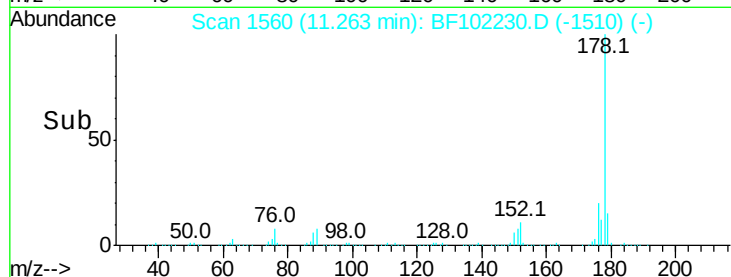
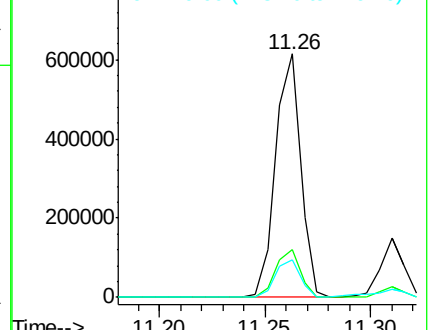
179 15.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.055 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

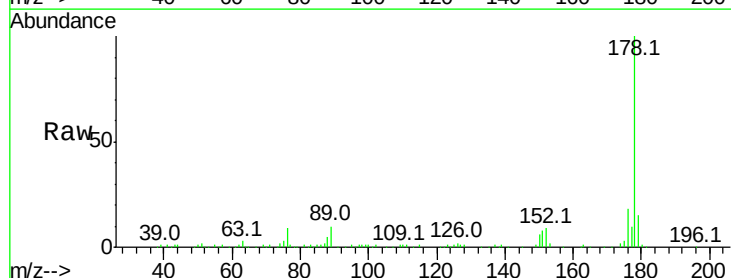
Tgt Ion:178 Resp: 112162

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	19.0

178 100

176 18.4 15.4 23.2

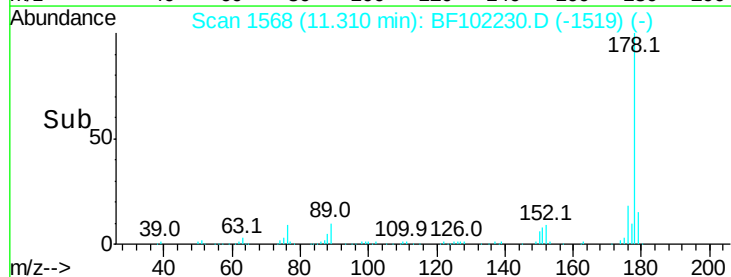
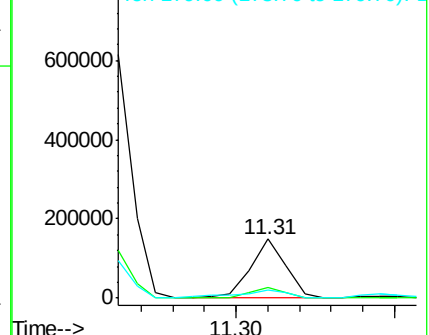
179 14.8 12.6 19.0

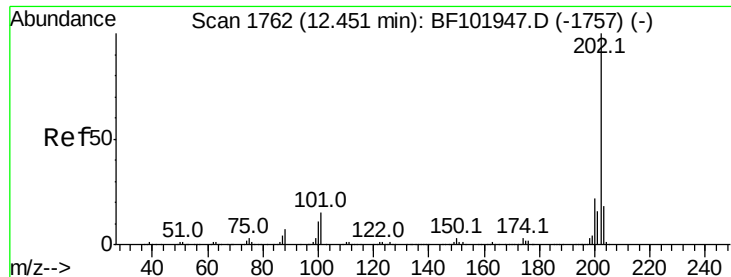


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.828 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

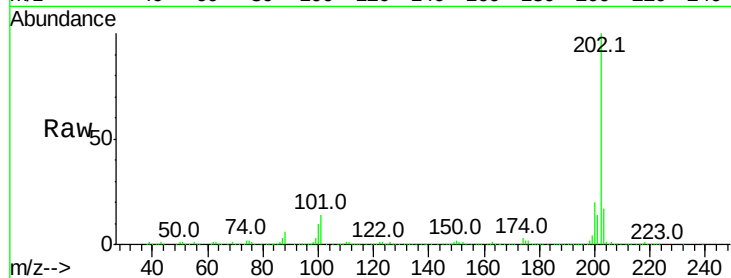
Tot Ion:202 Resp: 344196

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

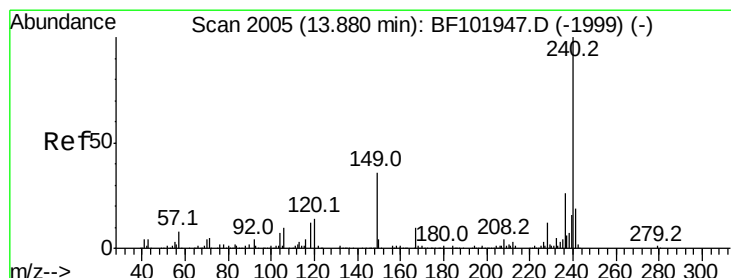
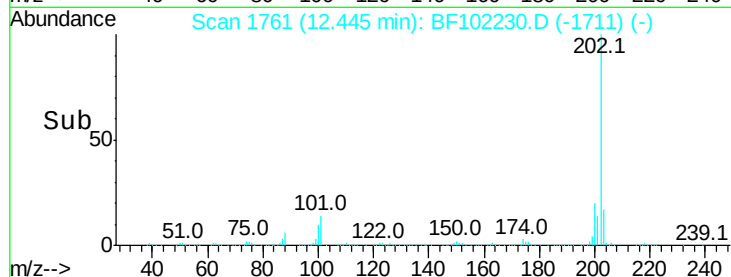
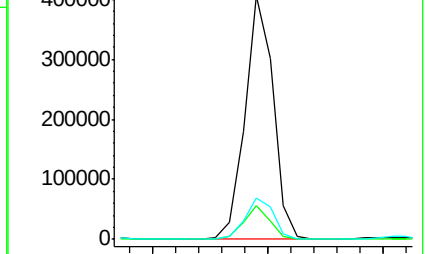
203 17.0 0.0 38.1



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. 0.00 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

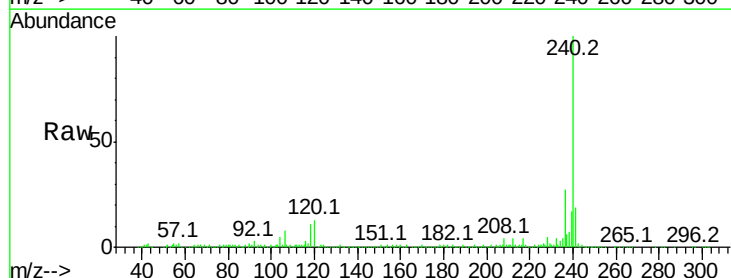
Tgt Ion:240 Resp: 281915

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

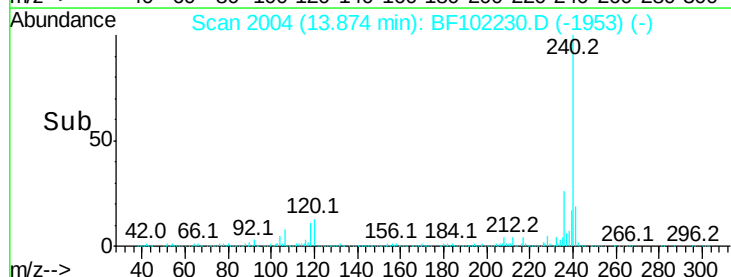
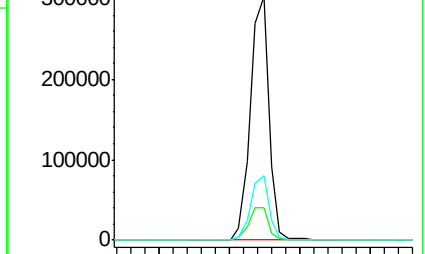
236 26.5 20.7 31.1

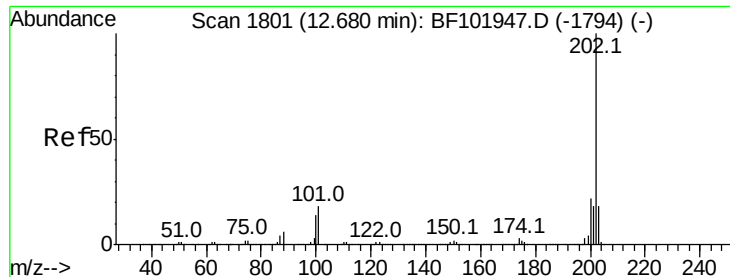


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.447 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampleId :

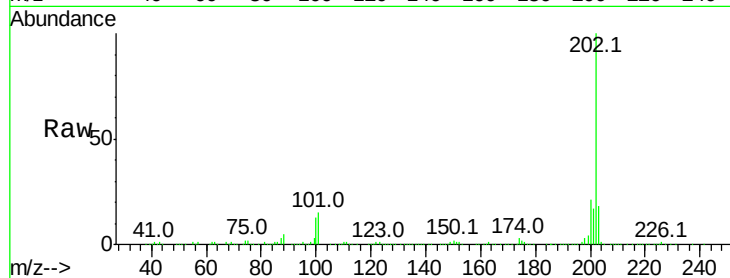
Tot Ion:202 Resp: 310171

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

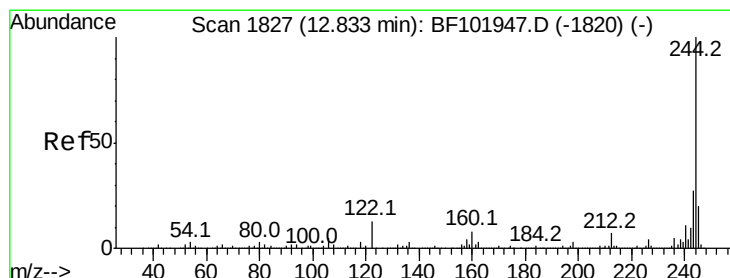
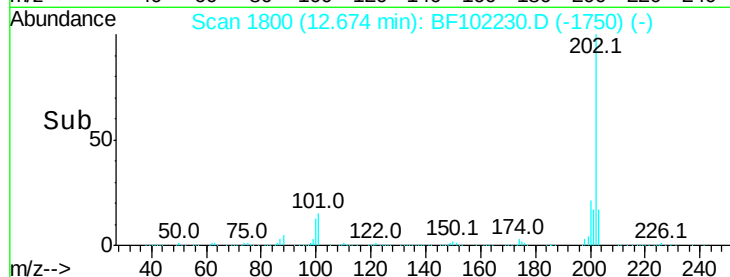
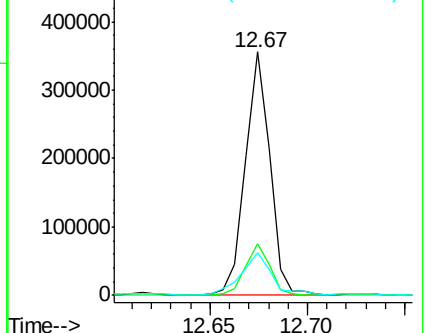
203 17.7 14.3 21.5



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: 32.861 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

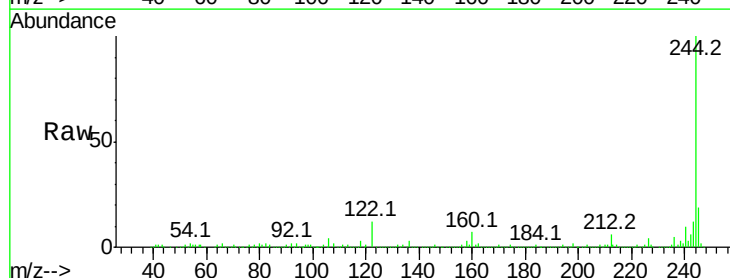
Tgt Ion:244 Resp: 446186

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

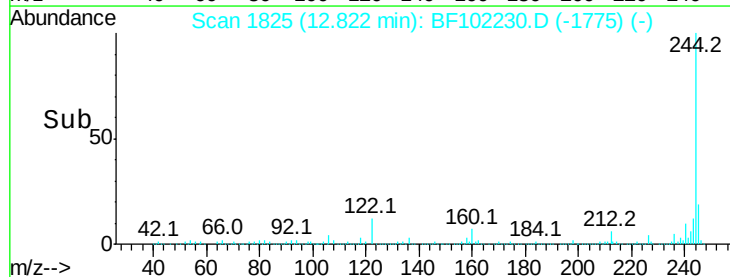
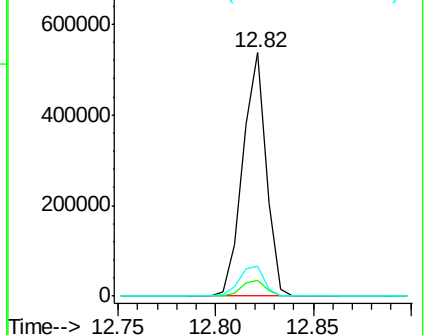
122 12.4 11.0 16.4

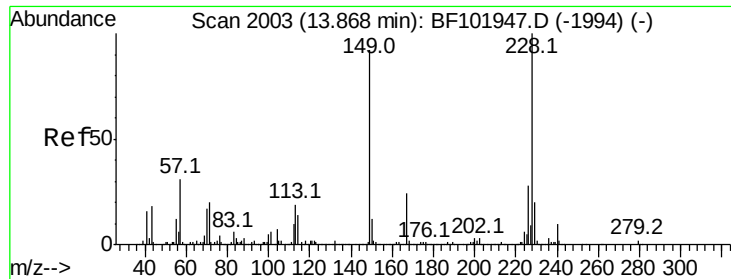


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.807 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102230.D

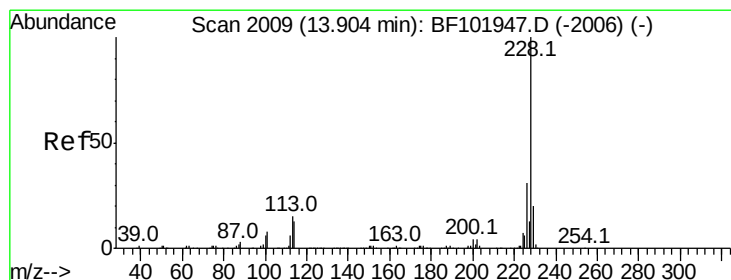
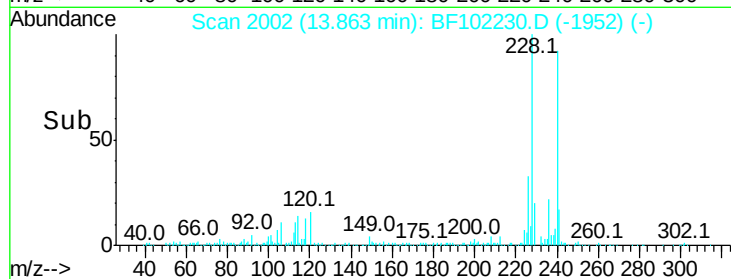
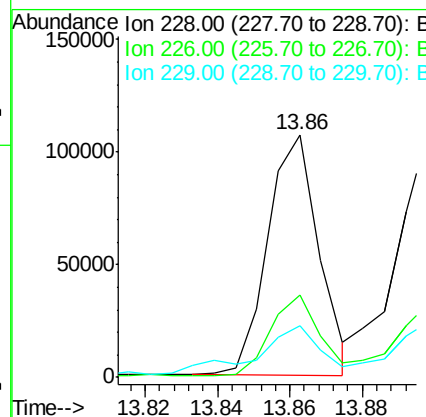
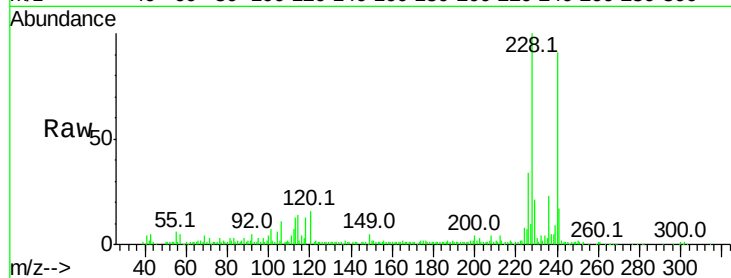
Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:228	Resp:	104457
Ion	Ratio	Lower Upper
228	100	
226	33.8	22.6 33.8
229	21.4	15.8 23.6



#82

Chrysene

Concen: 5.218 ng

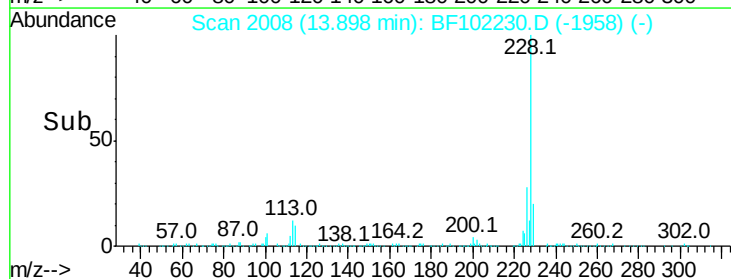
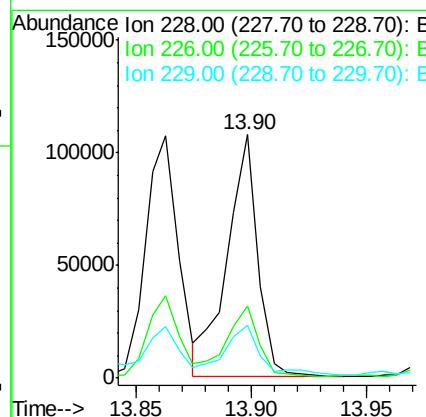
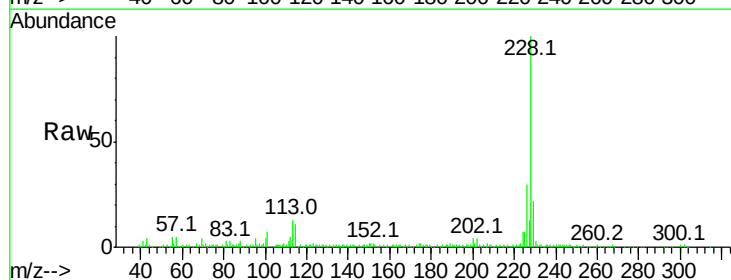
RT: 13.90 min Scan# 2008

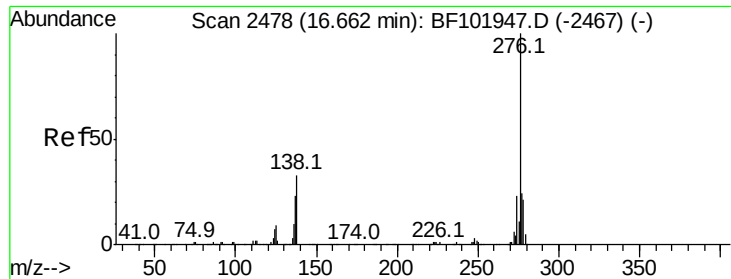
Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion:228	Resp:	97867
Ion	Ratio	Lower Upper
228	100	
226	29.5	25.0 37.6
229	21.8	16.2 24.4

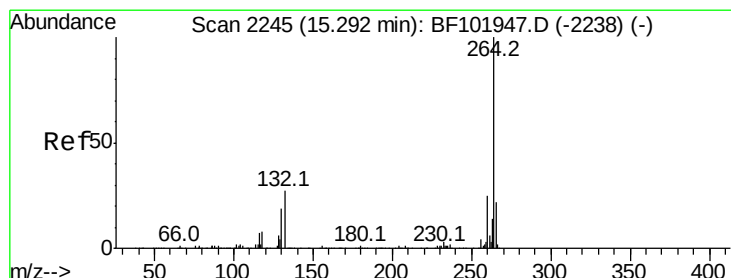
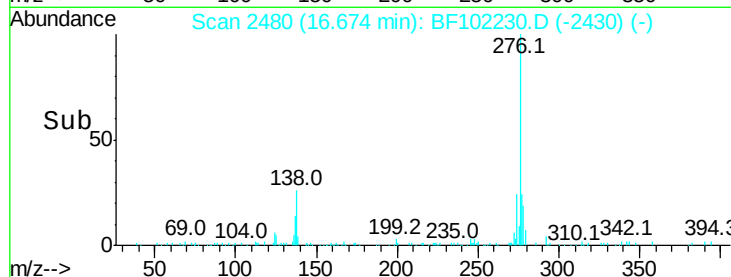
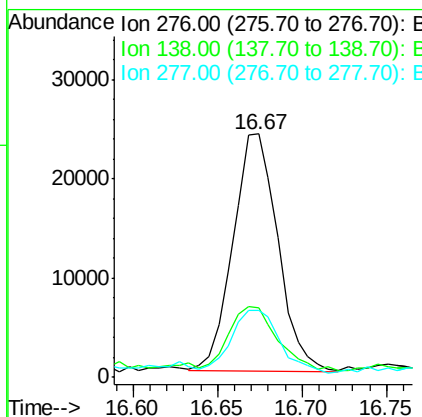
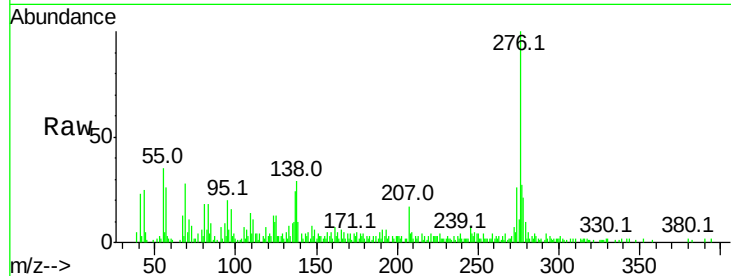




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.220 ng
 RT: 16.67 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

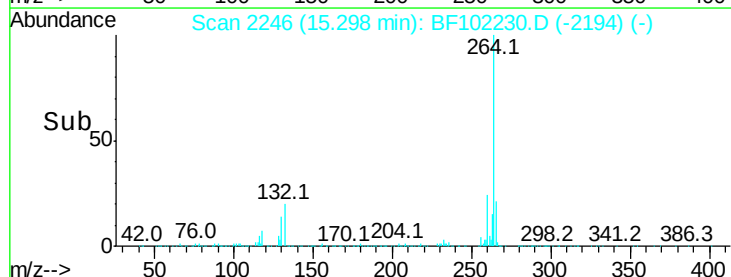
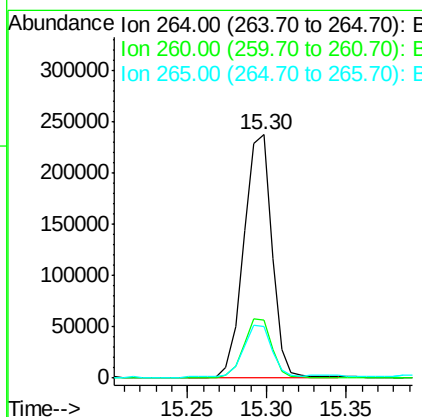
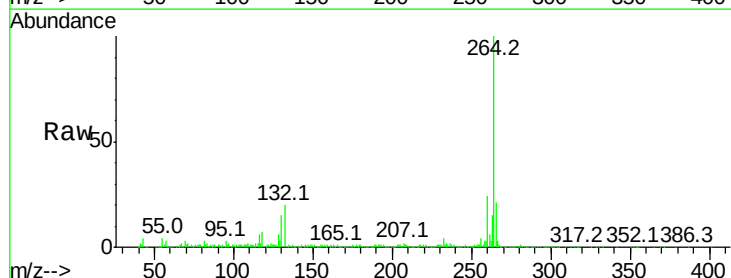
Instrument :
 BNA_F
 ClientSampleId :

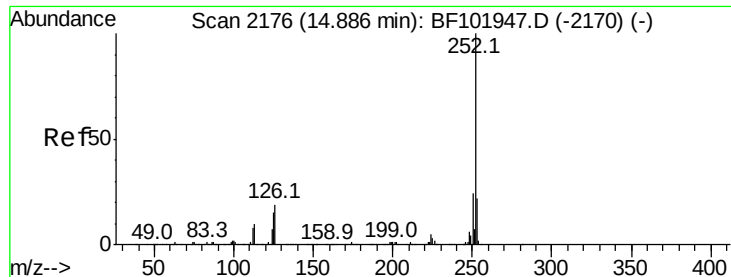
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	28.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.518 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

ClientSampled :

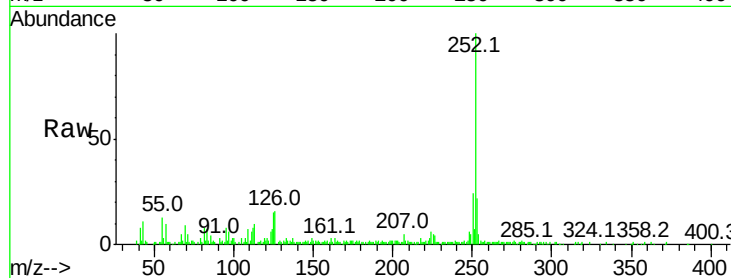
Tot Ion:252 Resp: 142113

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

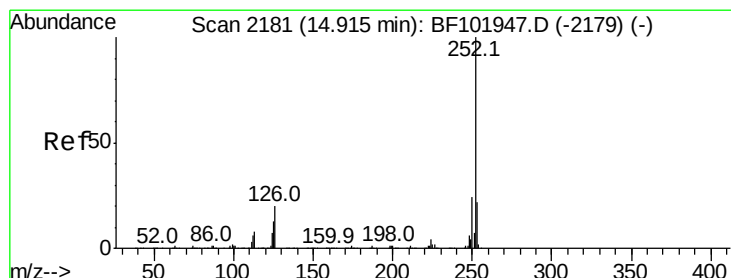
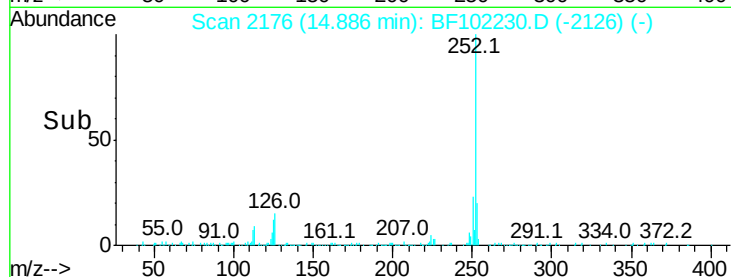
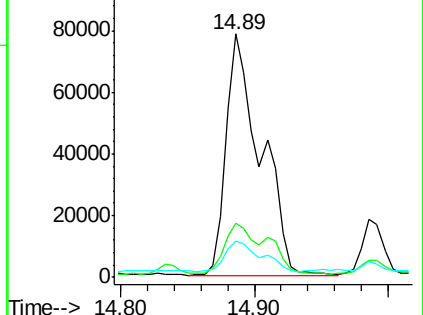
125 14.9 9.0 13.6#



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: 7.794 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

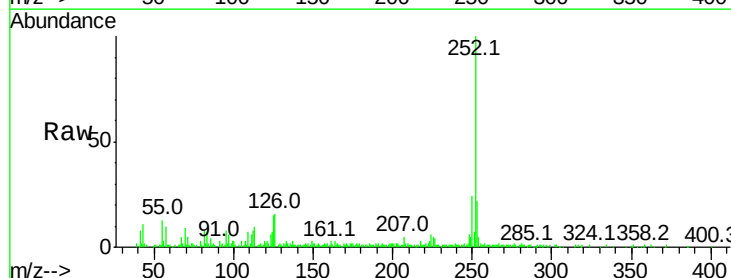
Tgt Ion:252 Resp: 142113

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

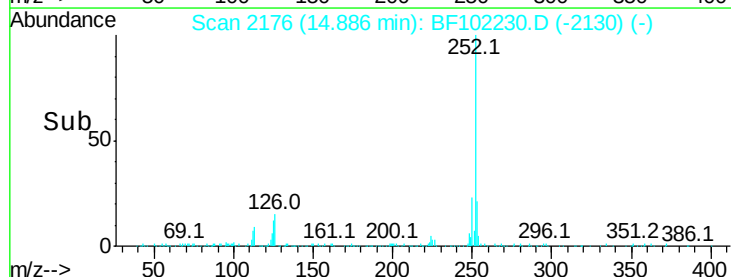
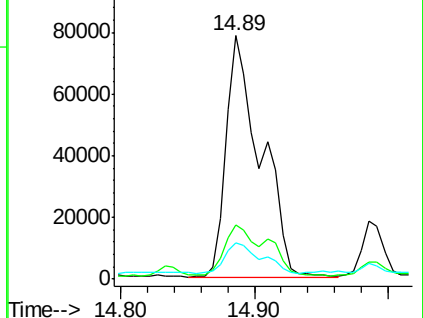
125 14.9 10.2 15.2

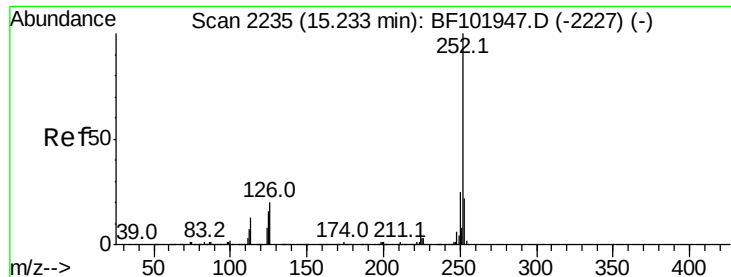


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

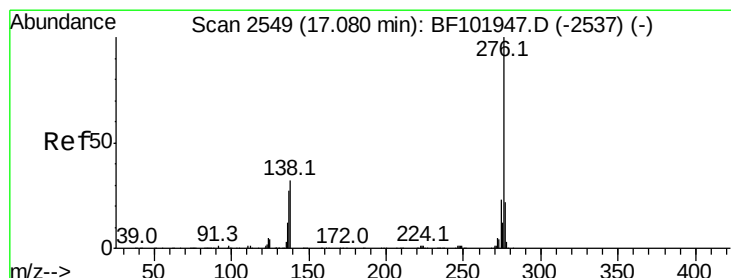
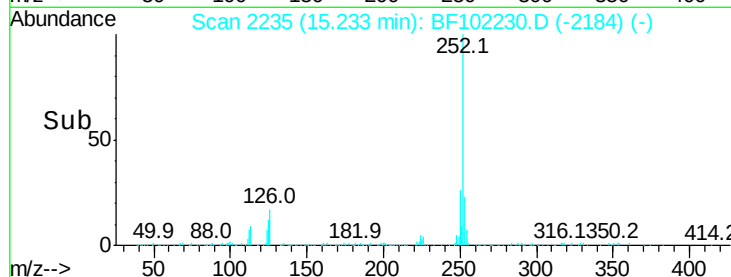
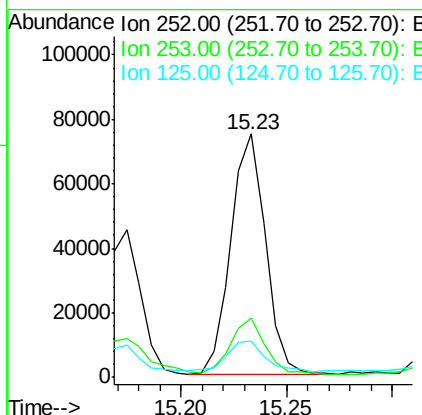
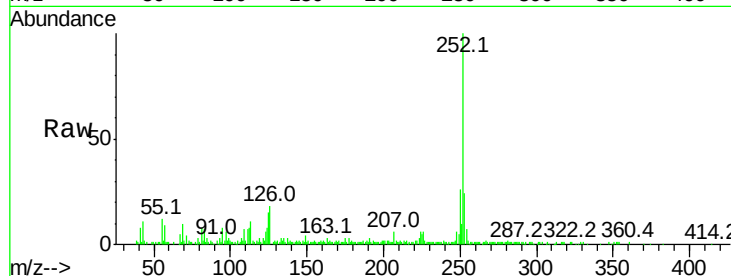




#89
Benzo(a)pyrene
Concen: 4.963 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 84410
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 14.7 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.041 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion:276 Resp: 41574
Ion Ratio Lower Upper
276 100
277 26.1 17.9 26.9
138 28.6 21.8 32.8

