

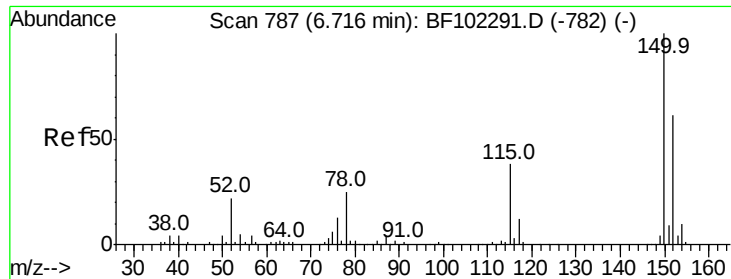
Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102603.D
 Acq On : 29 Jan 2018 18:07
 Operator : SJ/JU
 Sample : J1257-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:10:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	174605	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	734892	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	330891	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	570087	20.00	ng	0.00
75) Chrysene-d12	13.88	240	386017	20.00	ng	0.00
86) Perylene-d12	15.32	264	316461	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	595064	51.68	ng	0.00
7) Phenol-d6	6.36	99	729040	52.51	ng	0.00
23) Nitrobenzene-d5	7.28	82	440590	34.45	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	144580	44.10	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	680989	30.26	ng	0.00
78) Terphenyl-d14	12.82	244	625991	36.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	56172	6.612	ng	Qvalue # 80
25) Isophorone	7.28	82	440630	19.328	ng	# 64
49) Dimethylphthalate	9.47	163	132159	4.832	ng	99
56) 2,4-Dinitrotoluene	9.75	165	42829	5.906	ng	# 23
70) Phenanthrene	11.26	178	238415	7.177	ng	97
74) Fluoranthene	12.45	202	499949	14.758	ng	100
77) Pyrene	12.68	202	445190	14.917	ng	99
80) Benzo(a)anthracene	13.87	228	192209	8.088	ng	99
82) Chrysene	13.90	228	171888	7.122	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	94022	4.717	ng	98
87) Benzo(b)fluoranthene	14.90	252	250181	12.197	ng	# 97
88) Benzo(k)fluoranthene	14.90	252	250181	12.910	ng	98
89) Benzo(a)pyrene	15.25	252	137294	7.422	ng	# 94
91) Benzo(a,h,i)perylene	17.14	276	94787	6.406	ng	93

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

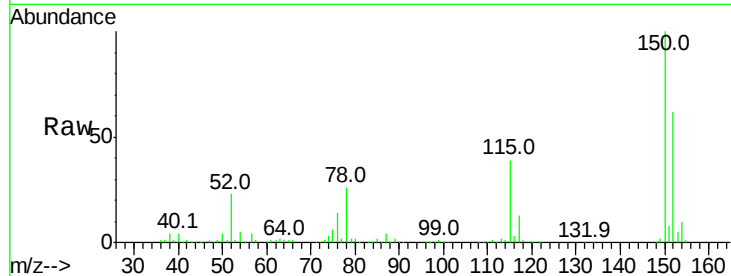


#1

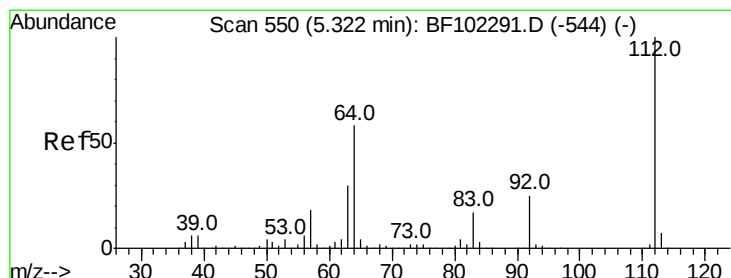
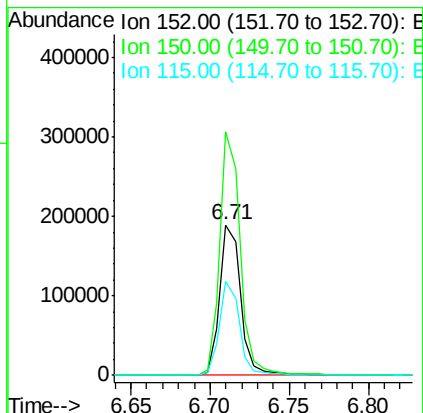
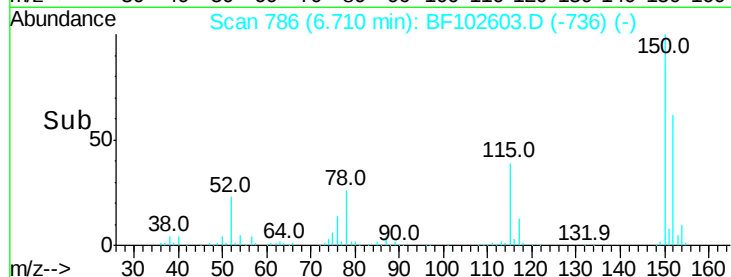
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102603.D
 Acq: 29 Jan 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 174605
 Ion Ratio Lower Upper
 152 100
 150 161.6 124.6 186.8
 115 62.6 50.1 75.1



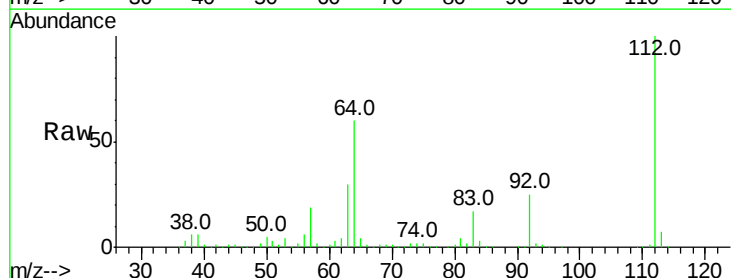
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



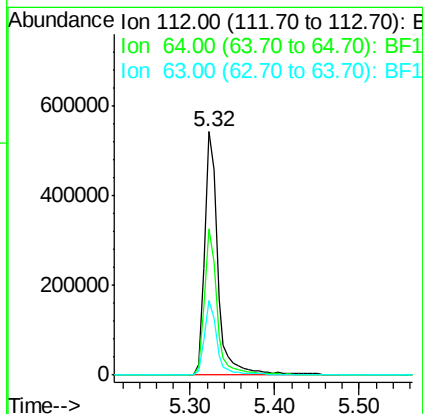
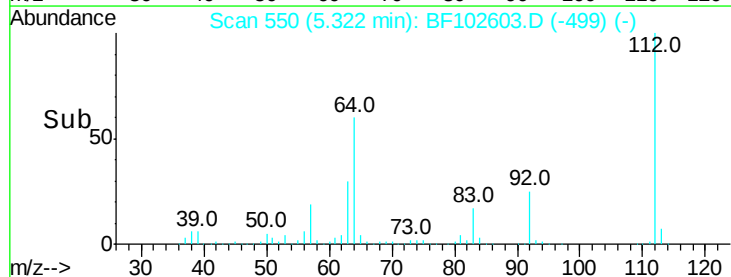
#5

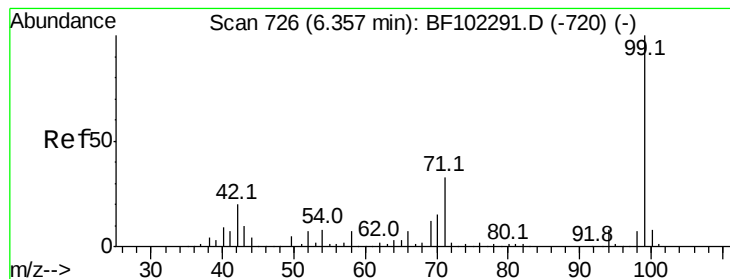
2-Fluorophenol
 Concen: 51.675 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF102603.D
 Acq: 29 Jan 2018 18:07

Tgt Ion:112 Resp: 595064
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 30.4 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: 52.513 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

Instrument :

BNA_F

ClientSampleId :

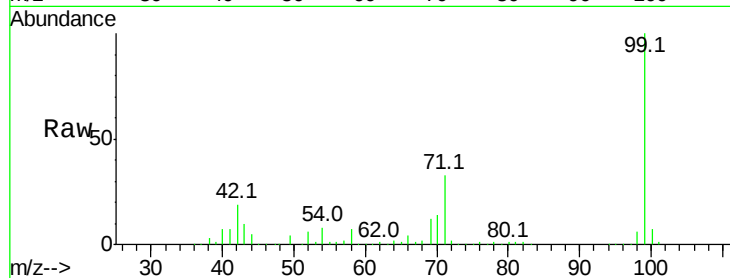
Tot Ion: 99 Resp: 729040

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

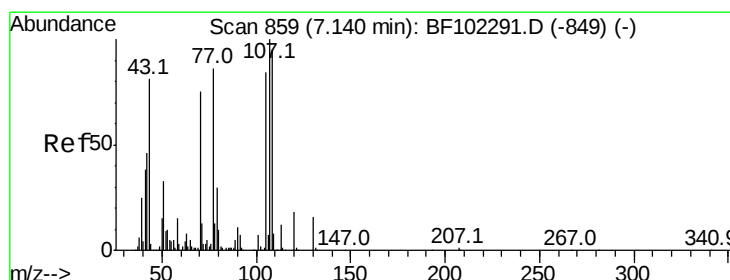
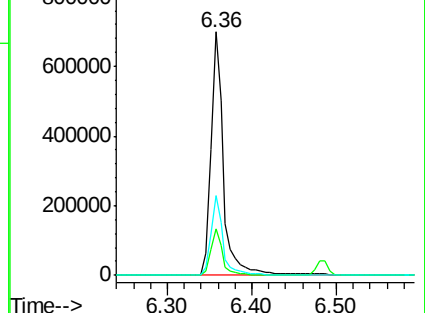
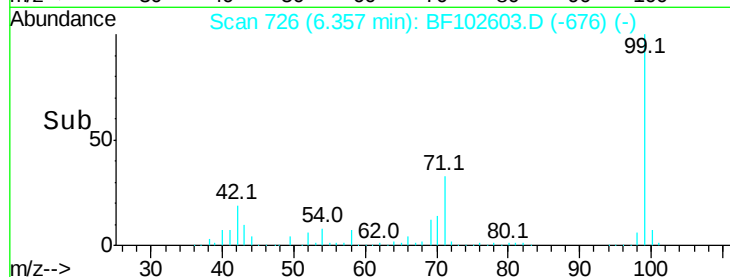
71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.612 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

Tgt Ion: 70 Resp: 56172

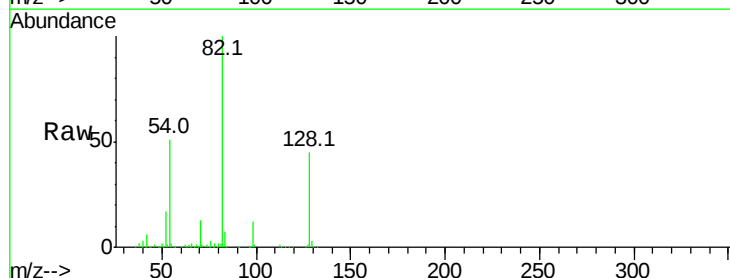
Ion Ratio Lower Upper

70 100

42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

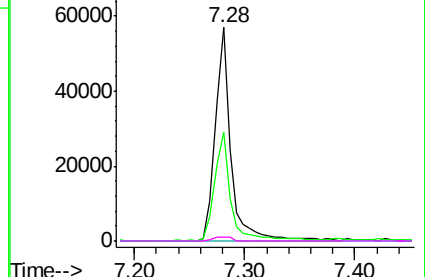
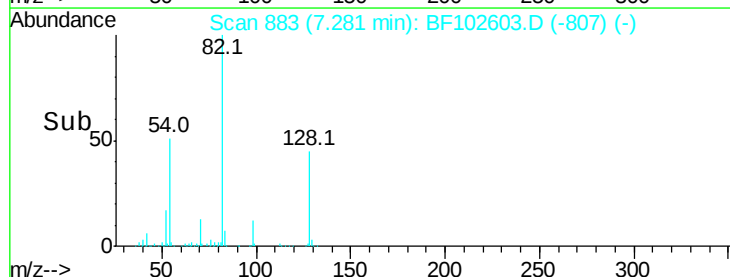


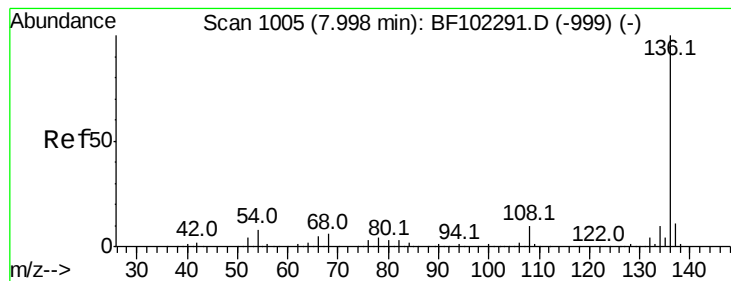
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 734892

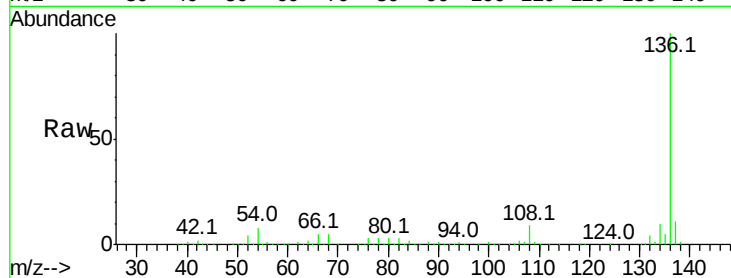
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 6.6 9.8

68 5.2 5.0 7.4

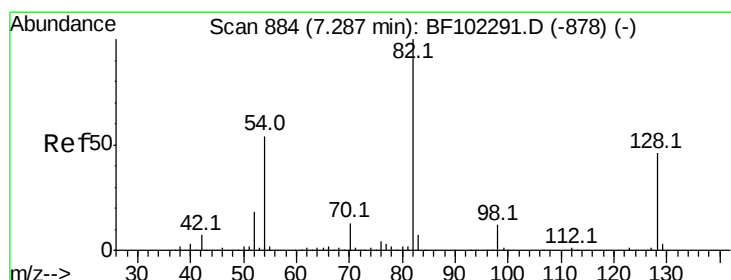
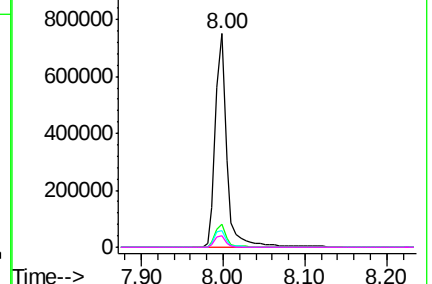
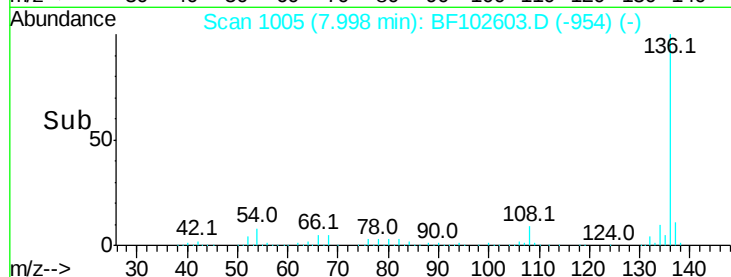


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.453 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

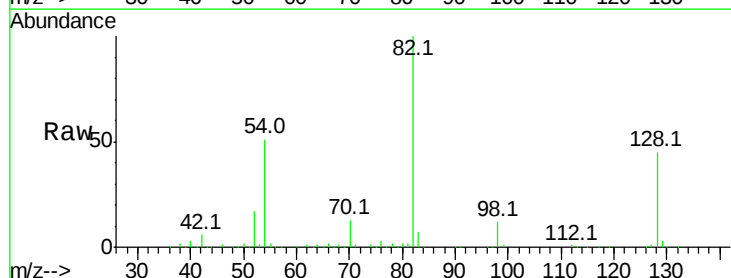
Tgt Ion: 82 Resp: 440590

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

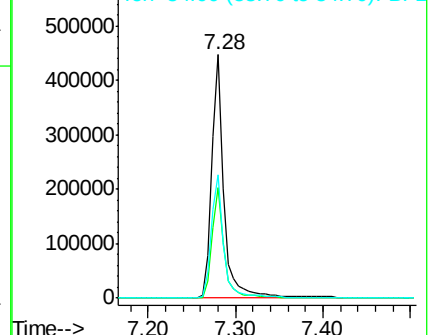
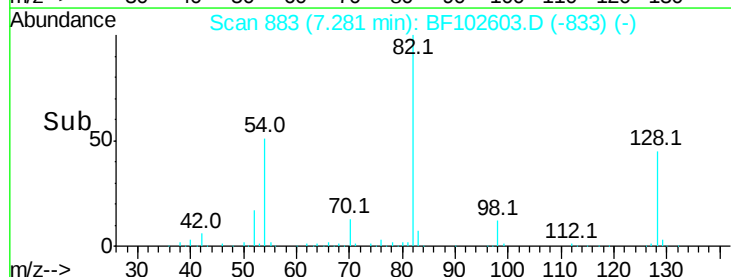
54 50.7 41.4 62.2

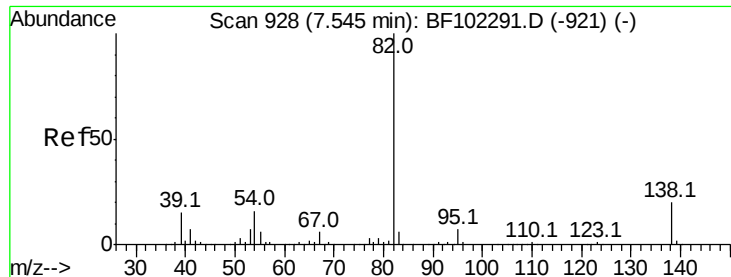


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

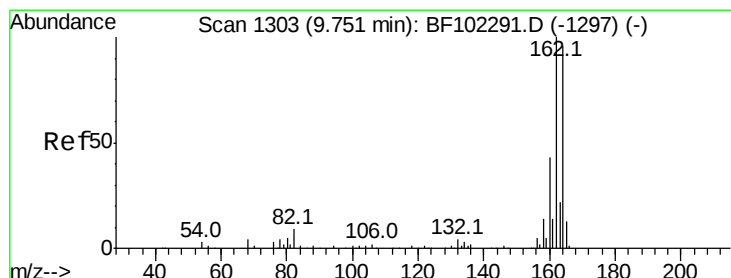
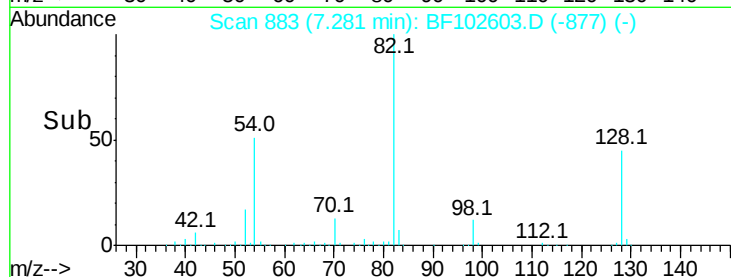
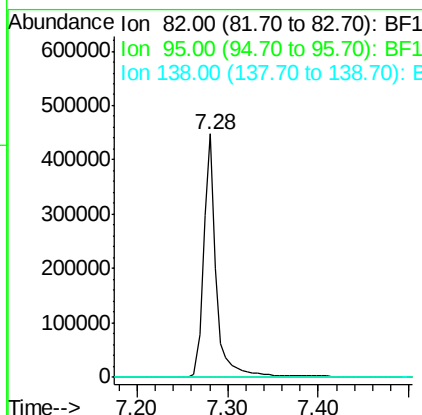
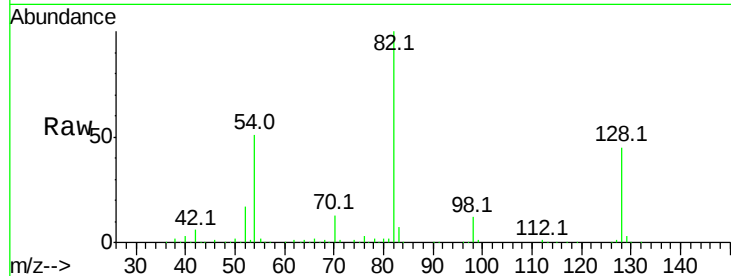




#25
Isophorone
Concen: 19.328 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

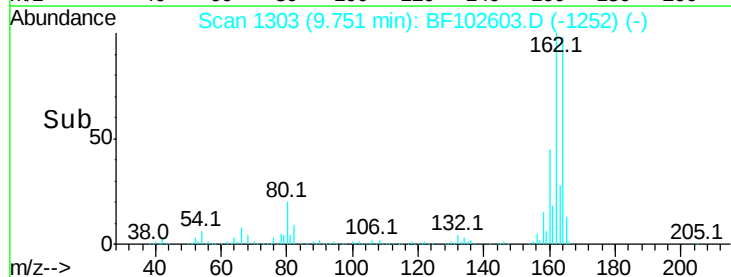
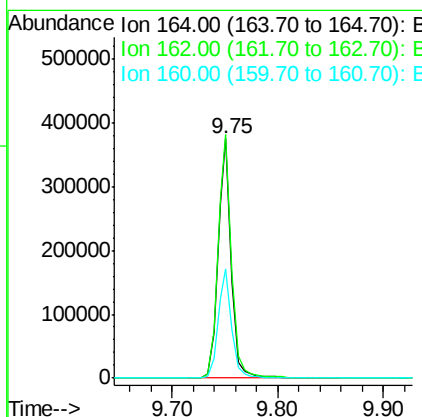
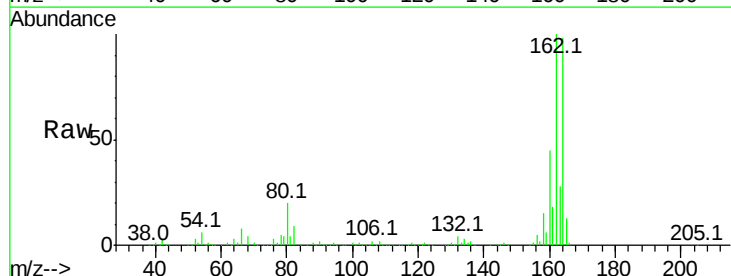
Instrument :
BNA_F
ClientSampled :

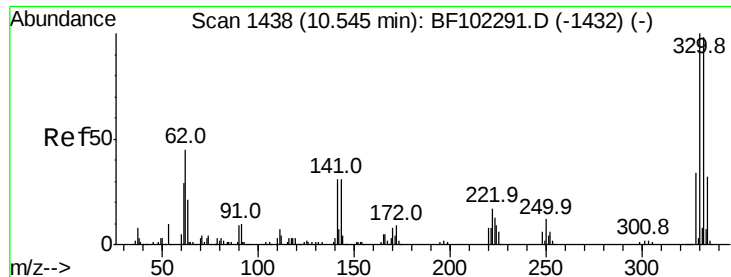
Tot Ion: 82 Resp: 440630
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Tgt Ion:164 Resp: 330891
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 45.5 38.3 57.5

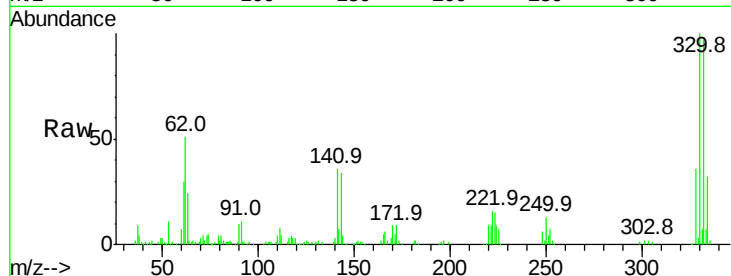




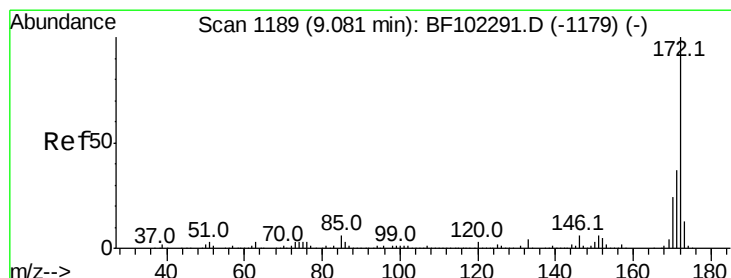
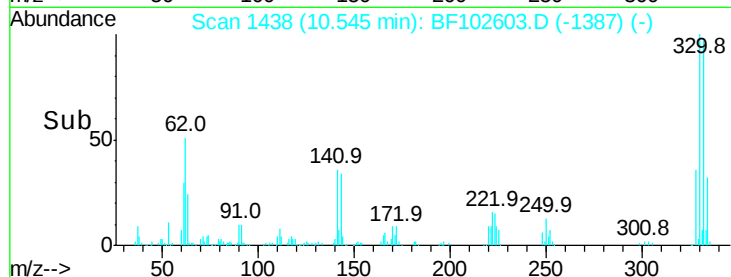
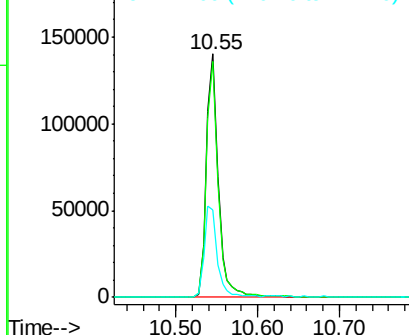
#41
 2,4,6-Tribromophenol
 Concen: 44.097 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102603.D
 Acq: 29 Jan 2018 18:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	41.0	29.9	44.9

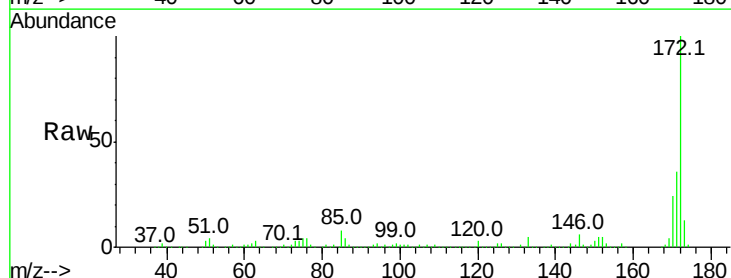


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

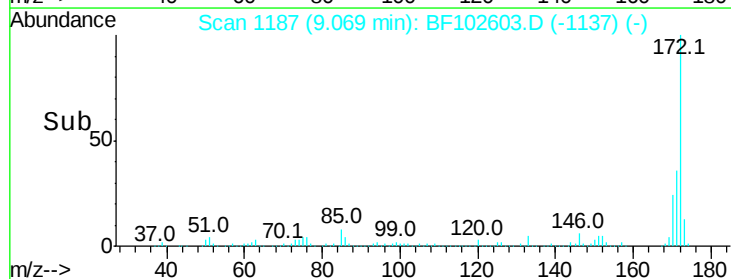
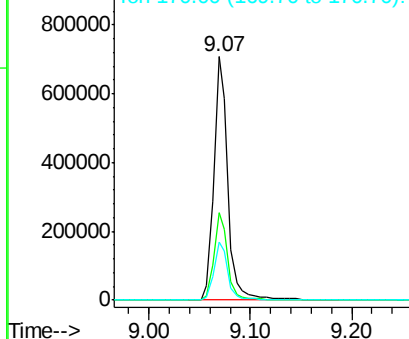


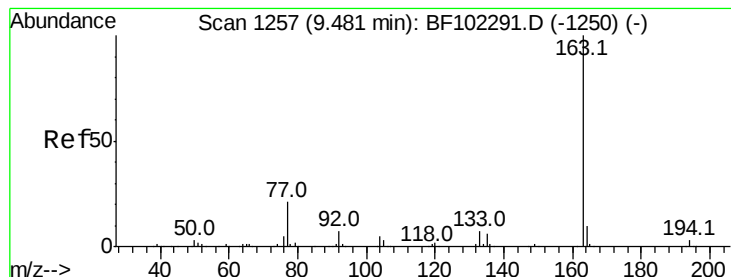
#44
 2-Fluorobiphenyl
 Concen: 30.261 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102603.D
 Acq: 29 Jan 2018 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	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: 4.832 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

Instrument :

BNA_F

ClientSampleId :

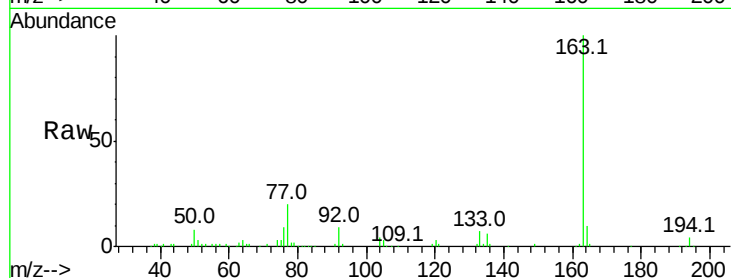
Tot Ion:163 Resp: 132159

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

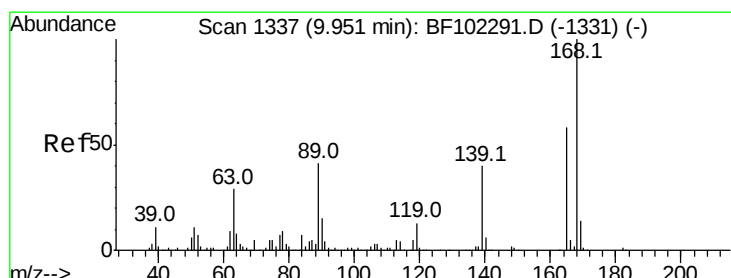
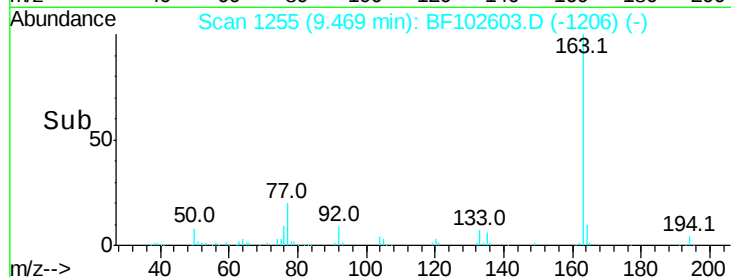
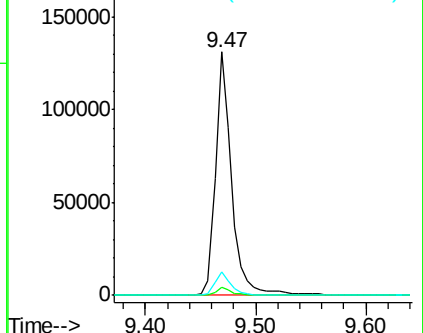
164 9.5 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.906 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

Tgt Ion:165 Resp: 42829

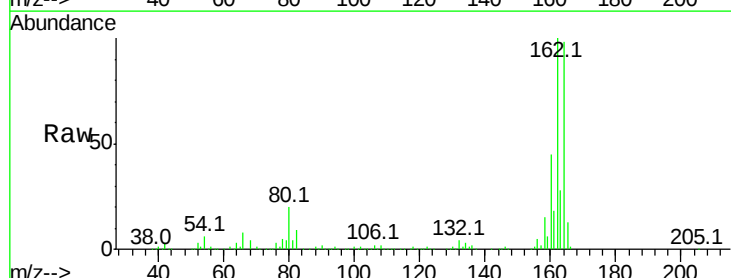
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

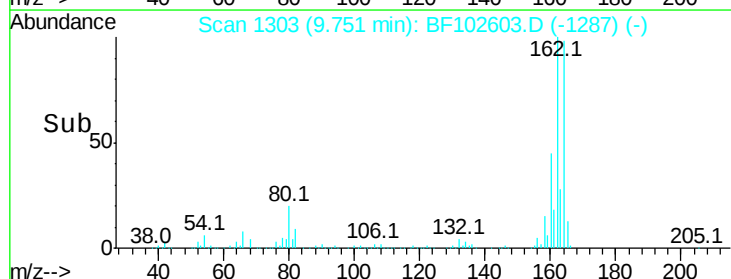
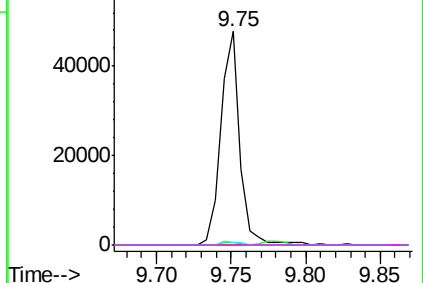


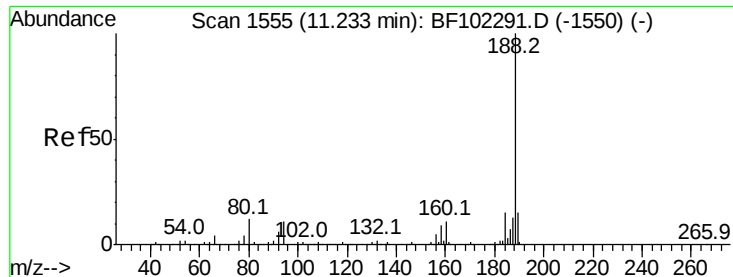
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

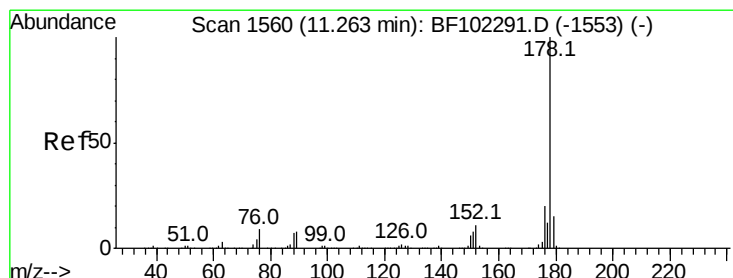
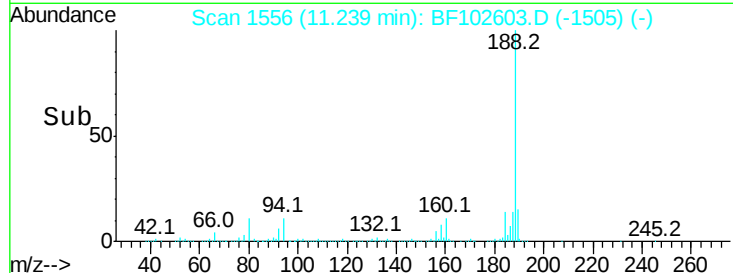
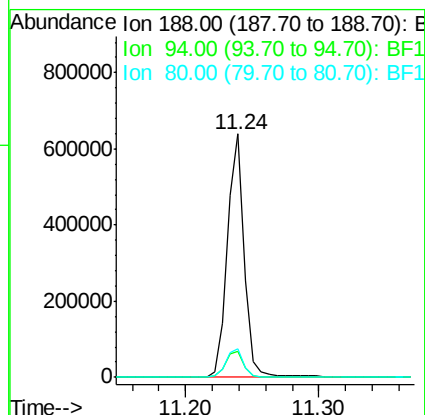
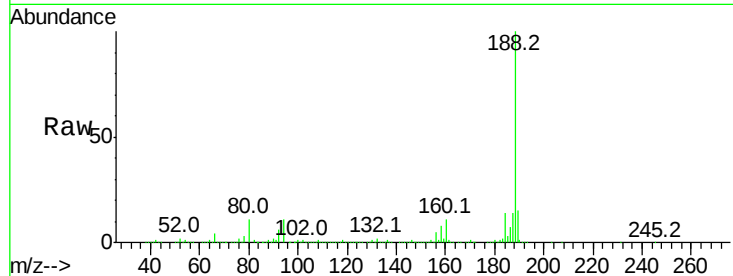




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

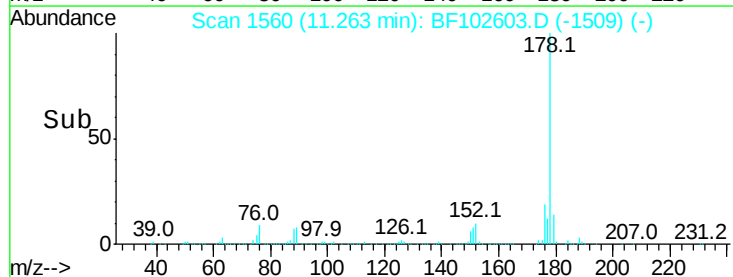
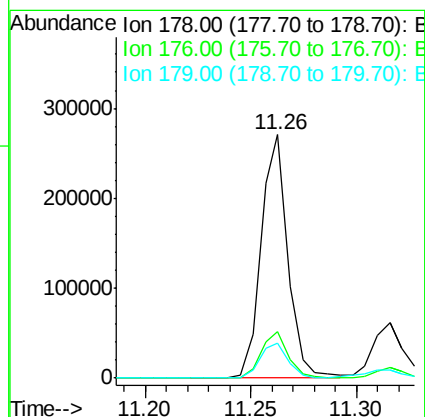
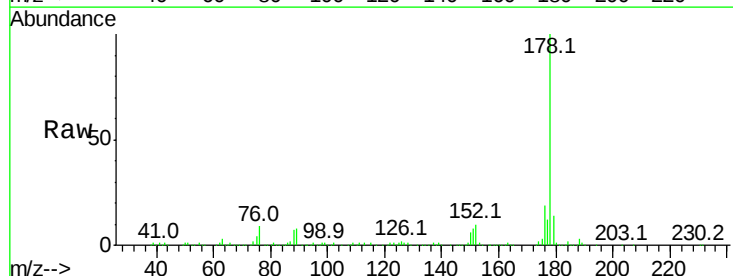
Instrument :
BNA_F
ClientSampleId :

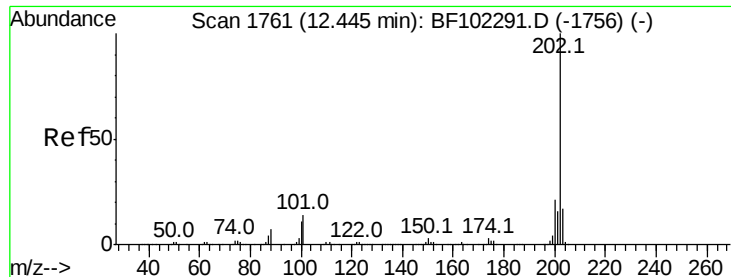
Tot Ion:188 Resp: 570087
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 7.177 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Tgt Ion:178 Resp: 238415
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.4 13.0 19.6





#74

Fluoranthene

Concen: 14.758 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

Instrument :

BNA_F

ClientSampleId :

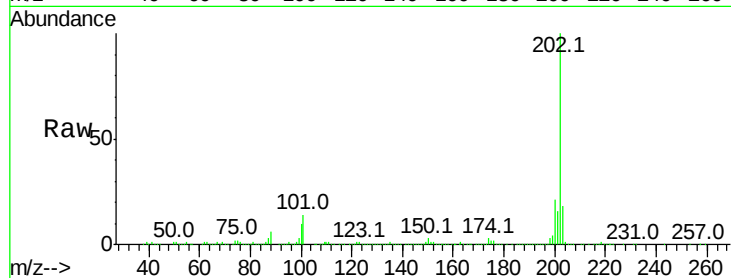
Tot Ion:202 Resp: 499949

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

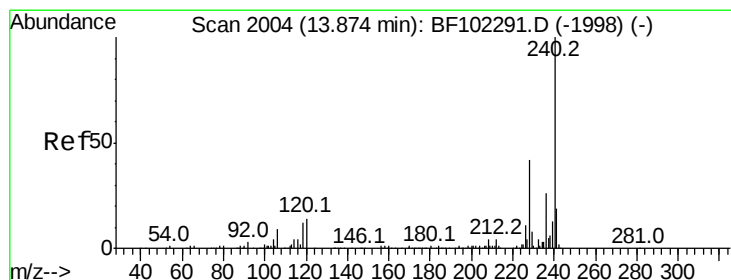
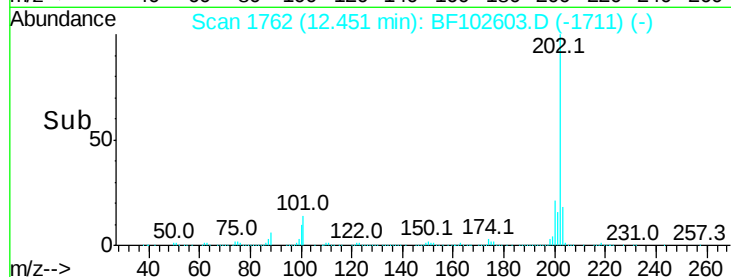
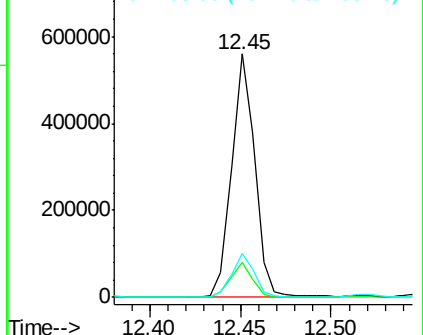
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102603.D

Acq: 29 Jan 2018 18:07

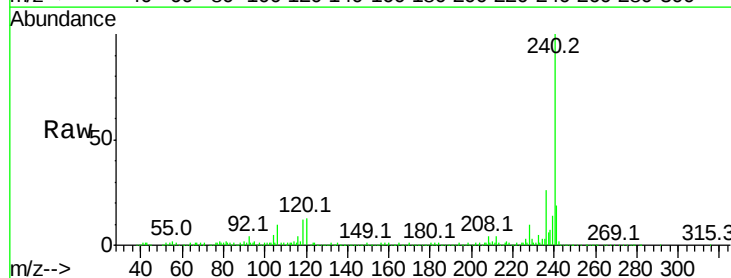
Tgt Ion:240 Resp: 386017

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

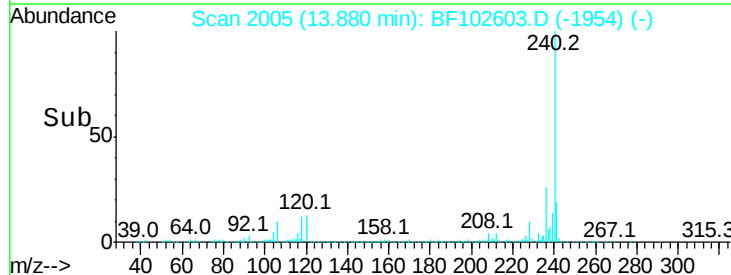
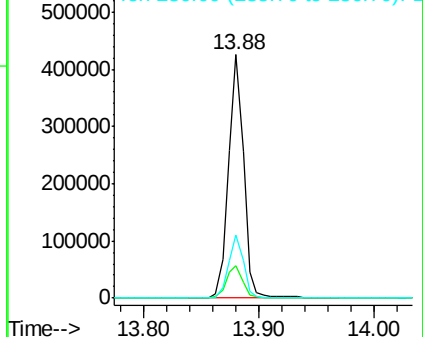
236 25.8 20.7 31.1

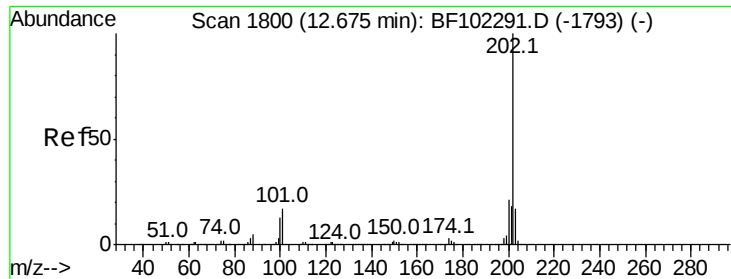


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

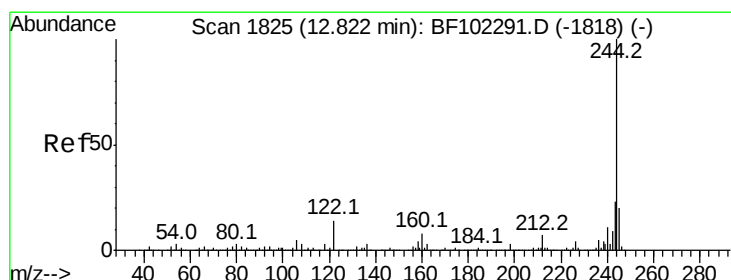
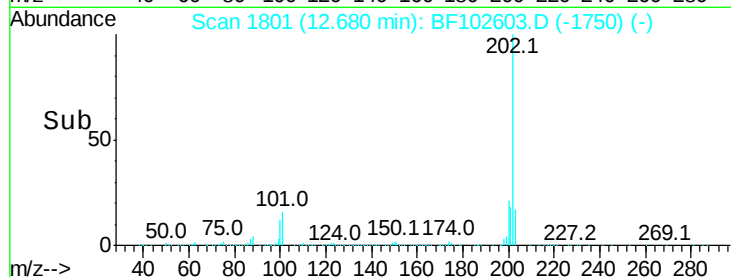
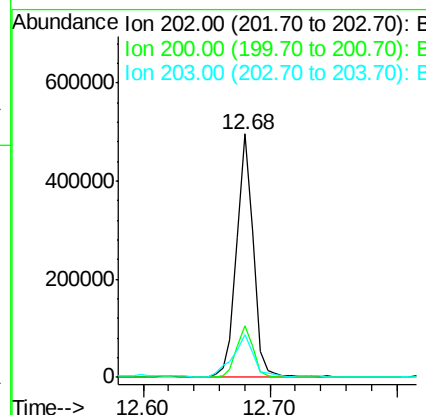
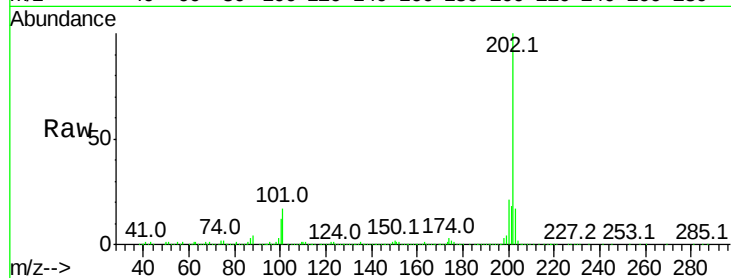




#77
Pvrene
Concen: 14.917 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

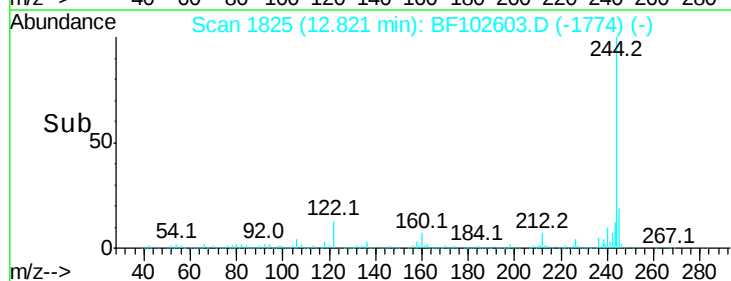
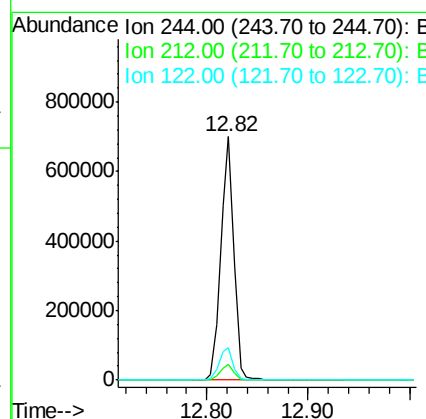
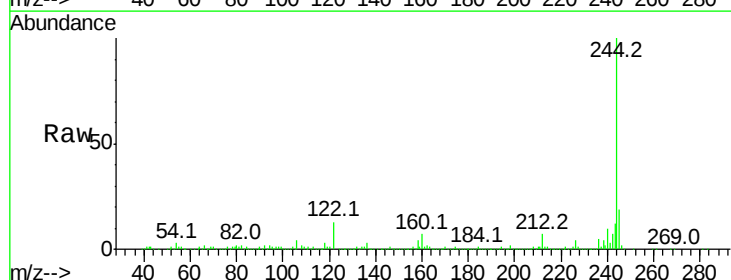
Instrument :
BNA_F
ClientSampleId :

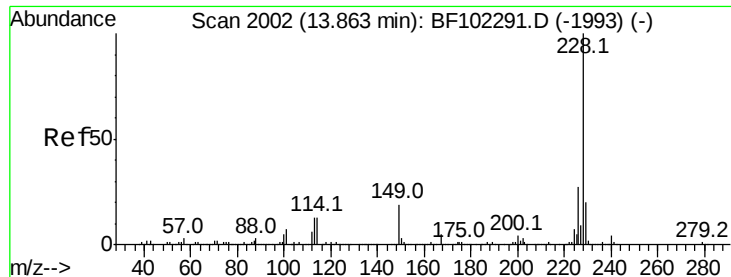
Tot Ion:202 Resp: 445190
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.4 14.3 21.5



#78
Terphenyl-d14
Concen: 36.558 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Tgt Ion:244 Resp: 625991
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 13.4 11.0 16.4

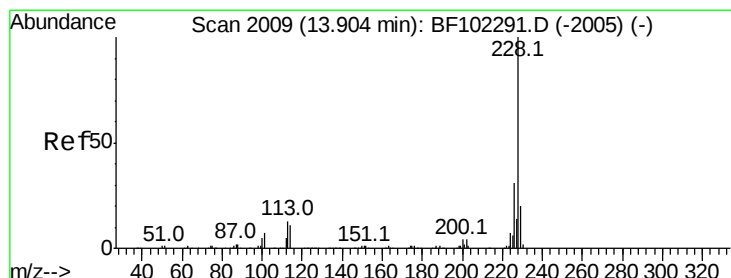
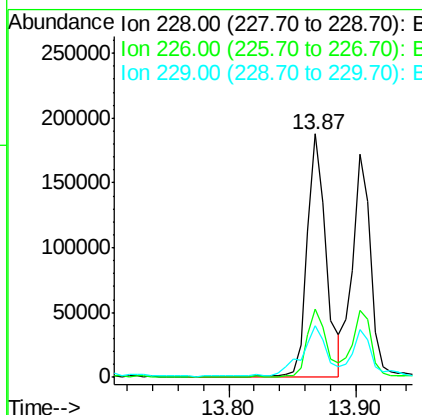
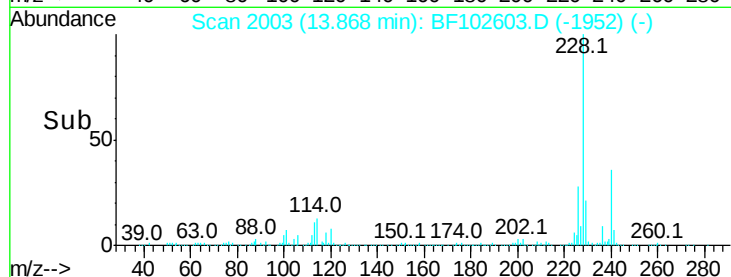
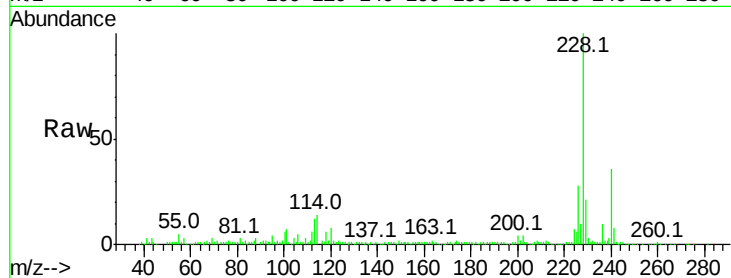




#80
Benzo(a)anthracene
Concen: 8.088 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

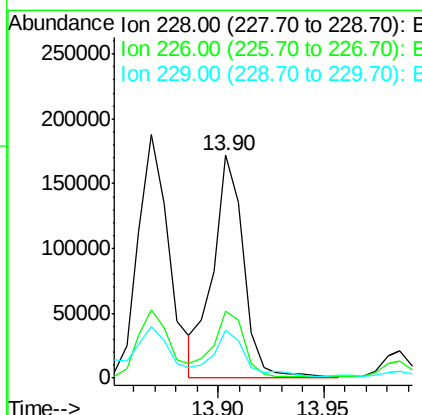
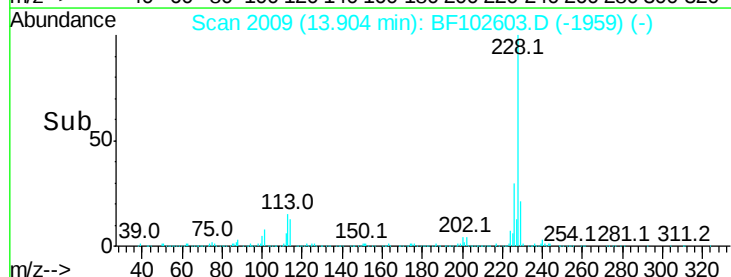
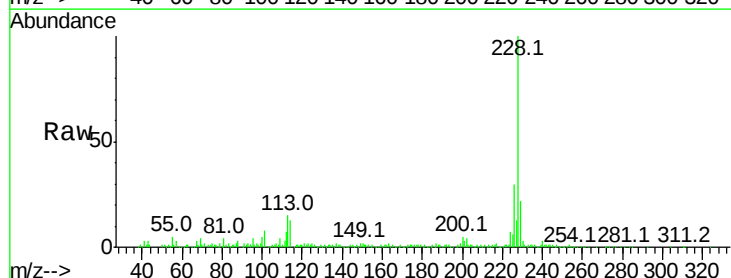
Instrument :
BNA_F
ClientSampleId :

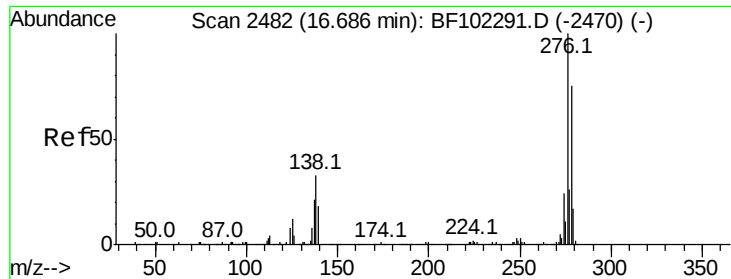
Tot Ion:228 Resp: 192209
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 21.3 15.8 23.6



#82
Chrysene
Concen: 7.122 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Tgt Ion:228 Resp: 171888
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.7 16.2 24.4

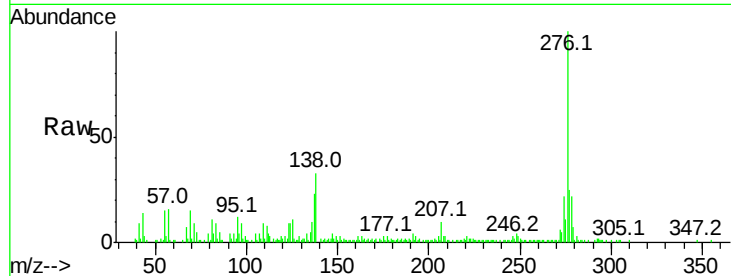




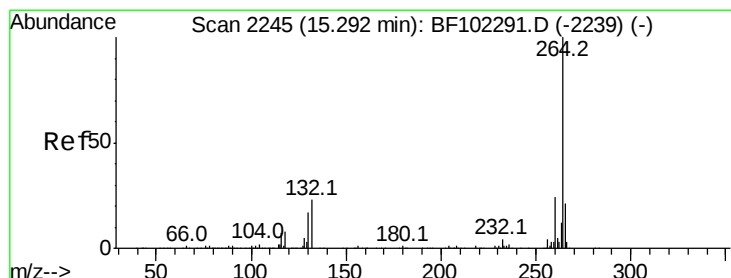
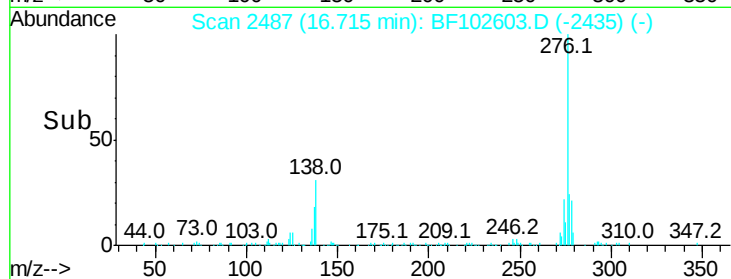
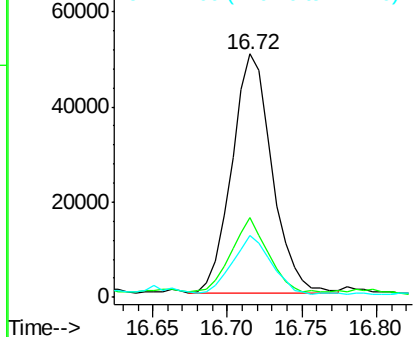
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.717 ng
 RT: 16.72 min Scan# 2487
 Delta R.T. 0.01 min
 Lab File: BF102603.D
 Acq: 29 Jan 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.0	37.6
277	23.5	20.1	30.1

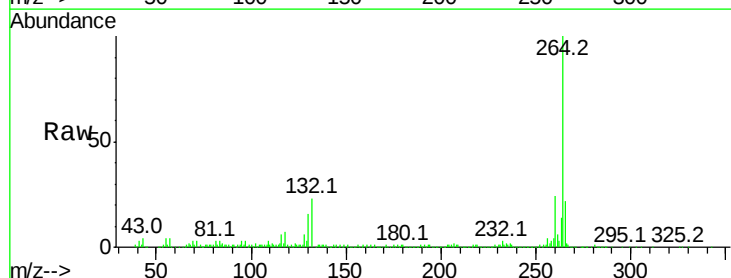


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

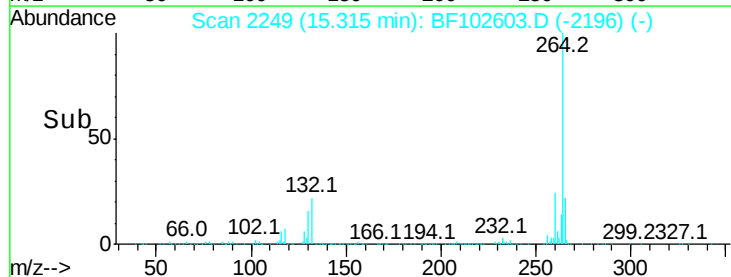
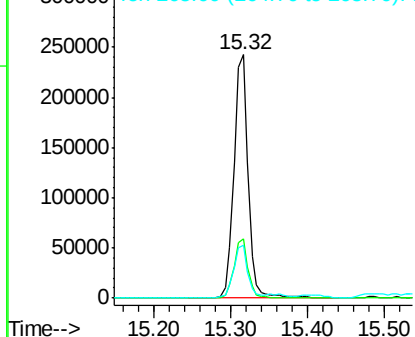


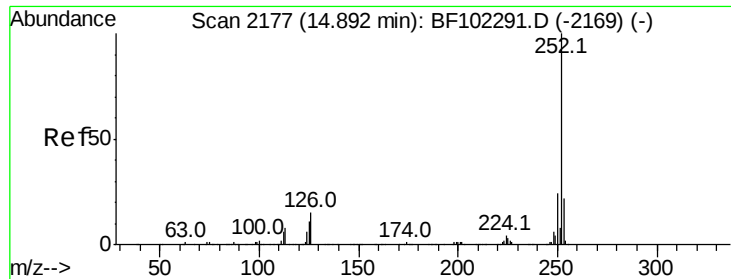
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF102603.D
 Acq: 29 Jan 2018 18:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3



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

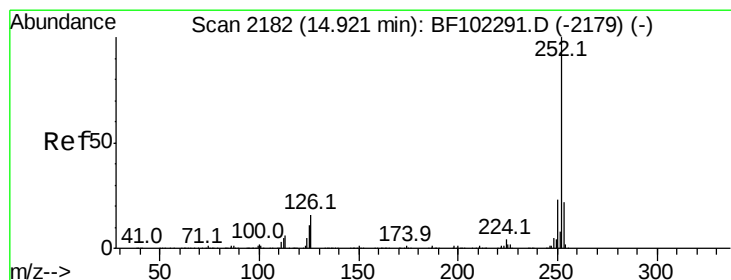
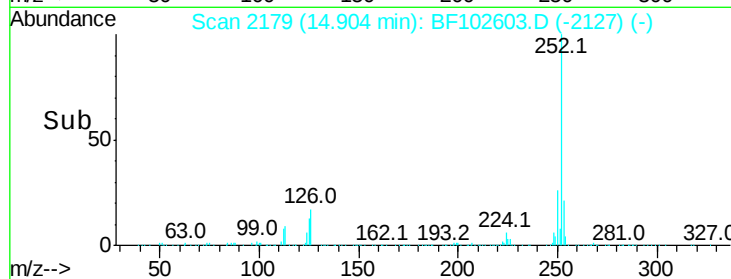
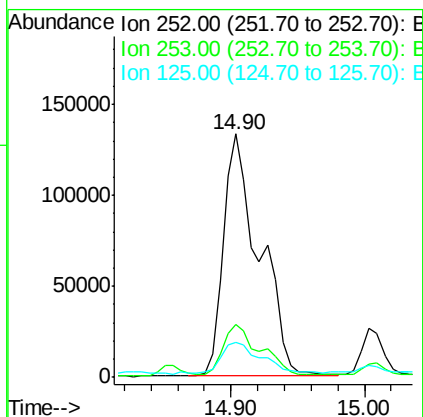
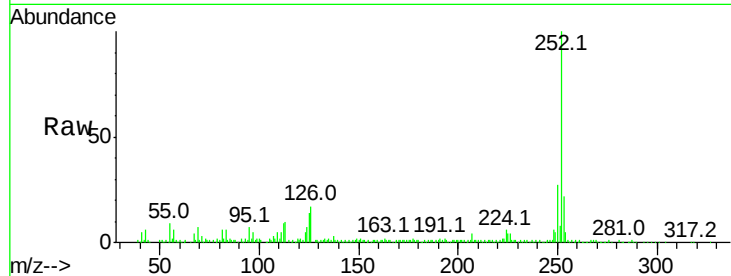




#87
Benzo(b)fluoranthene
Concen: 12.197 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

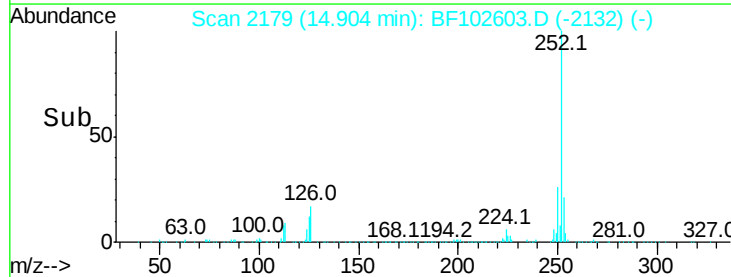
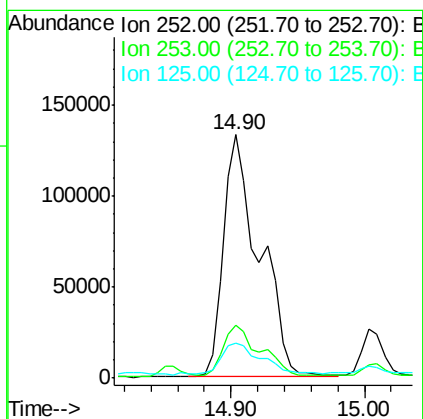
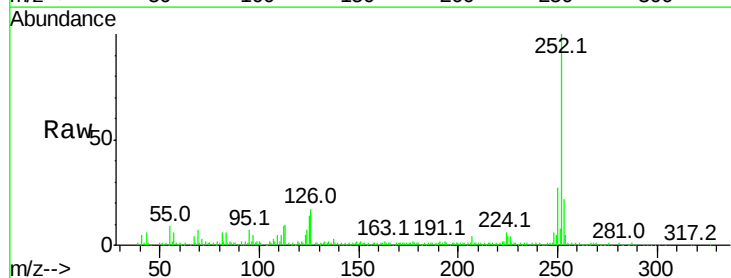
Instrument :
BNA_F
ClientSampleId :

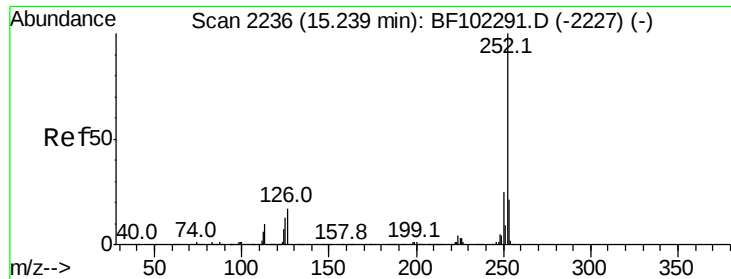
Tot Ion:252 Resp: 250181
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 14.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 12.910 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Tgt Ion:252 Resp: 250181
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 14.4 10.2 15.2

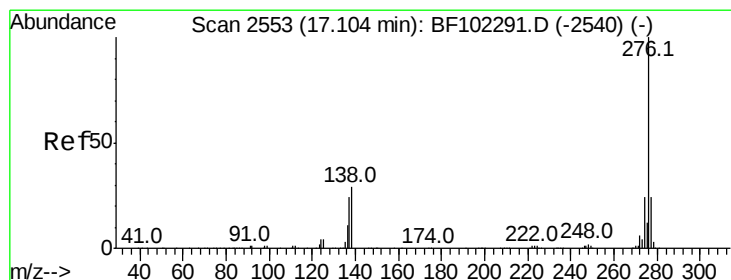
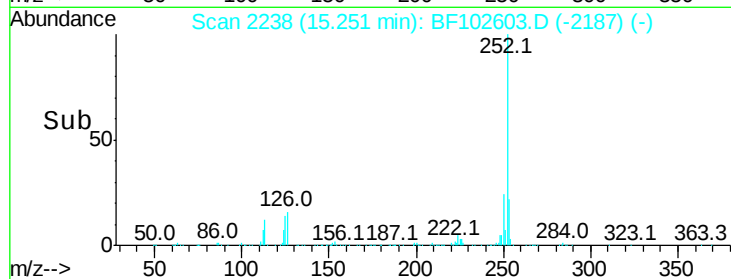
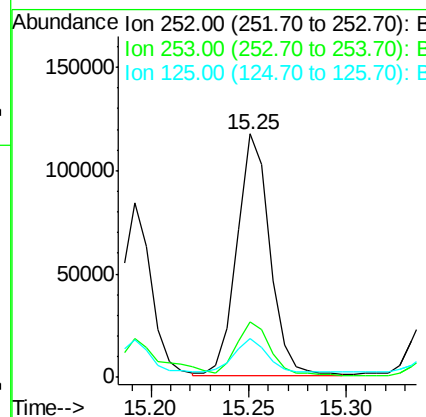
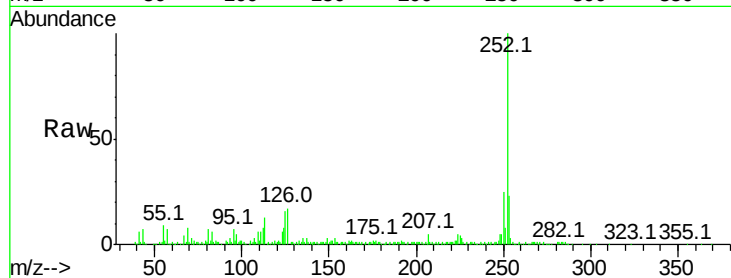




#89
Benzo(a)pyrene
Concen: 7.422 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 137294
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 16.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.406 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF102603.D
Acq: 29 Jan 2018 18:07

Tgt Ion:276 Resp: 94787
Ion Ratio Lower Upper
276 100
277 25.0 17.9 26.9
138 31.8 21.8 32.8

