

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102478.D
 Acq On : 26 Jan 2018 19:36
 Operator : SJ/JU
 Sample : J1020-09 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 22:03:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	163711	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	668021	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	262169	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	371430	20.00	ng	0.00
75) Chrysene-d12	13.89	240	289078	20.00	ng	0.00
86) Perylene-d12	15.32	264	200510	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	570018	52.79	ng	0.00
7) Phenol-d6	6.36	99	685701	52.68	ng	0.00
23) Nitrobenzene-d5	7.29	82	327373	28.16	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	77978	30.02	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	674548	37.83	ng	0.00
78) Terphenyl-d14	12.83	244	447760	34.92	ng	0.00

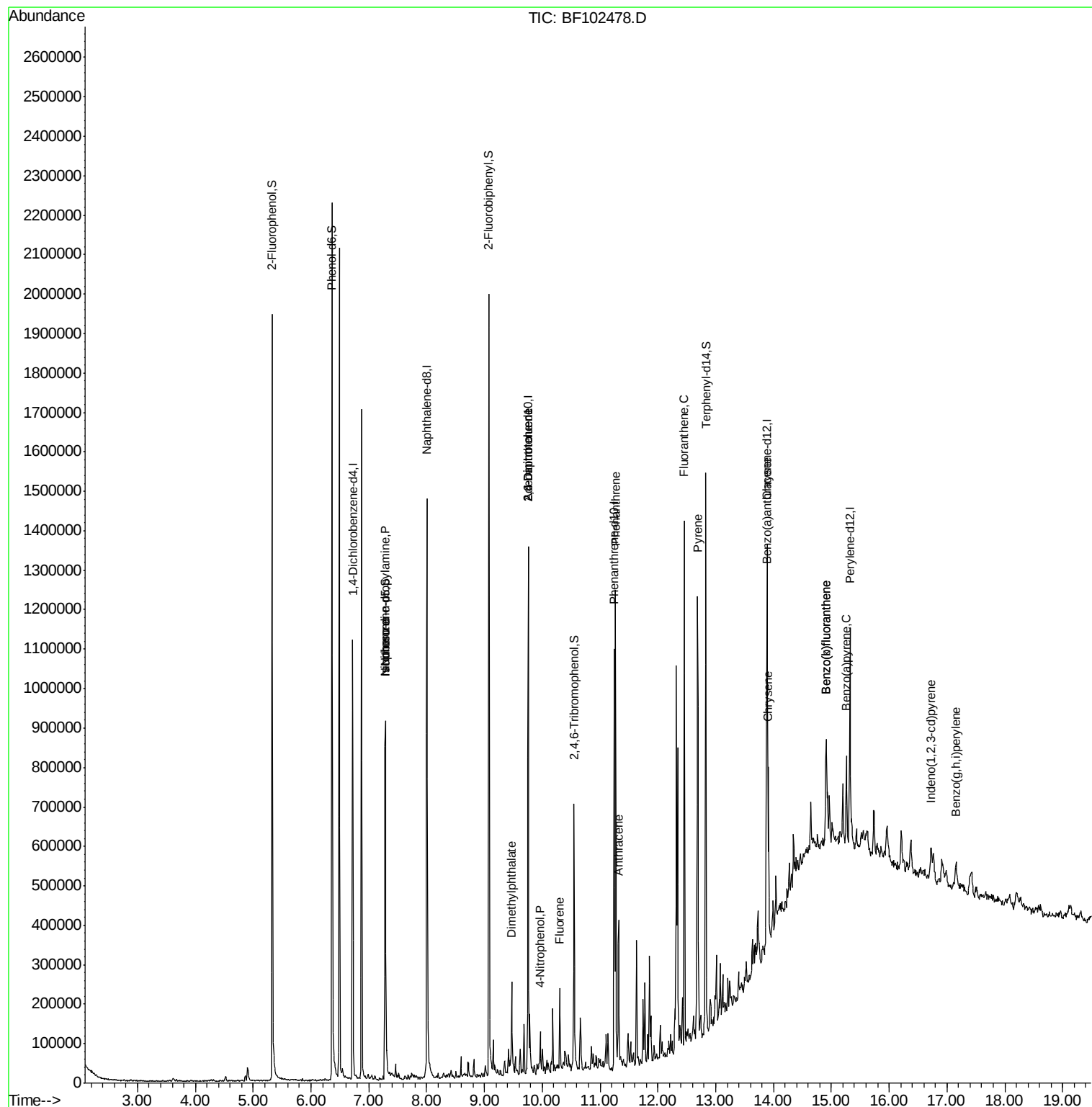
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	43696	5.485	ng	# 78
25) Isophorone	7.29	82	327371	15.797	ng	# 64
49) Dimethylphthalate	9.47	163	82422	3.804	ng	99
50) 2,6-Dinitrotoluene	9.76	165	33680	7.209	ng	# 26
55) 4-Nitrophenol	9.96	139	14345	3.932	ng	# 12
56) 2,4-Dinitrotoluene	9.76	165	33680	5.862	ng	# 24
57) Fluorene	10.30	166	58291	3.279	ng	94
70) Phenanthrene	11.27	178	408292	18.864	ng	99
71) Anthracene	11.32	178	159254	7.209	ng	98
74) Fluoranthene	12.46	202	486937	22.062	ng	99
77) Pyrene	12.69	202	444721	19.898	ng	99
80) Benzo(a)anthracene	13.87	228	186146	10.459	ng	99
82) Chrysene	13.91	228	170918	9.457	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	48568	3.254	ng	96
87) Benzo(b)fluoranthene	14.91	252	191980	14.772	ng	# 90
88) Benzo(k)fluoranthene	14.91	252	191980	15.636	ng	# 93
89) Benzo(a)pyrene	15.26	252	98817	8.431	ng	# 92
91) Benzo(g,h,i)perylene	17.15	276	48701	5.195	ng	# 87

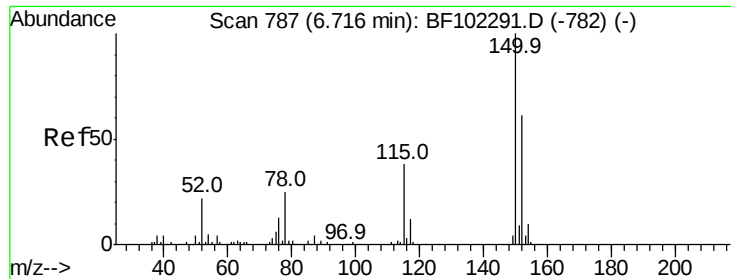
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102478.D
Acq On : 26 Jan 2018 19:36
Operator : SJ/JU
Sample : J1020-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 26 22:03:24 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 26 16:18:07 2018
Response via : Initial Calibration



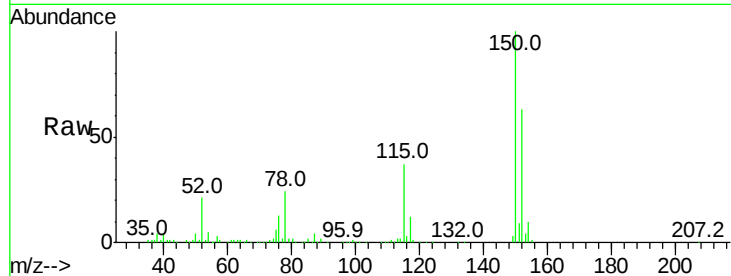


#1

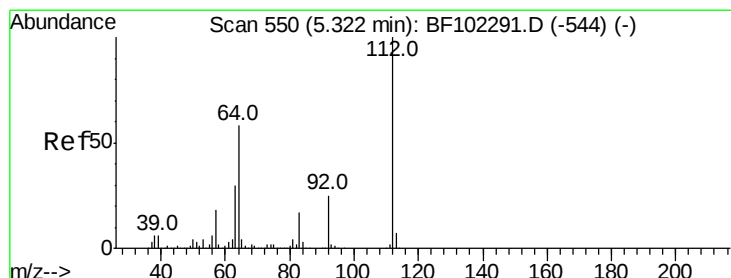
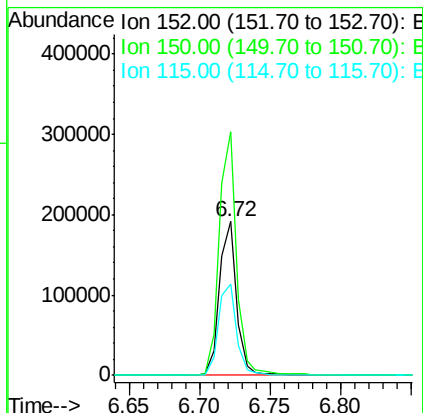
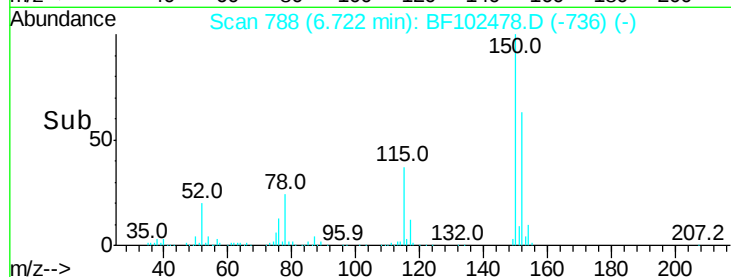
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 163711
 Ion Ratio Lower Upper
 152 100
 150 158.4 124.6 186.8
 115 59.2 50.1 75.1



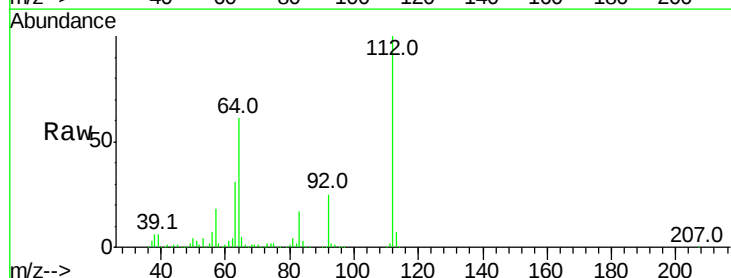
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



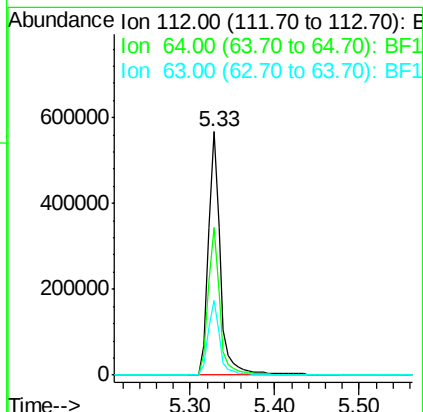
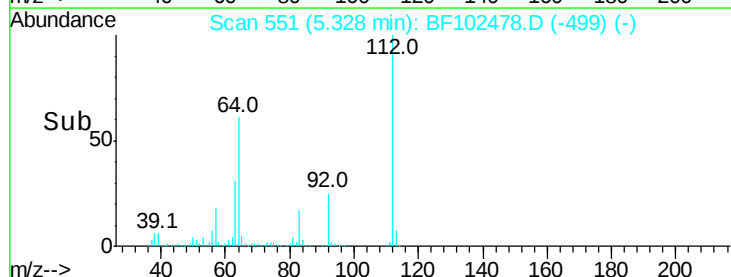
#5

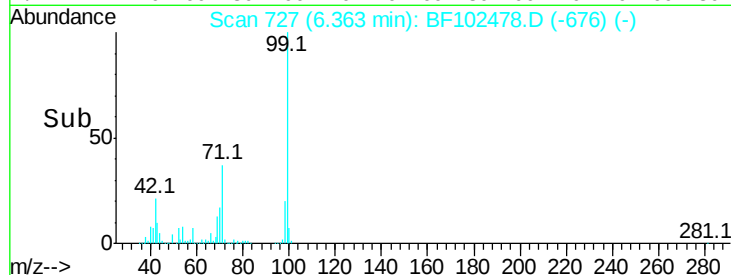
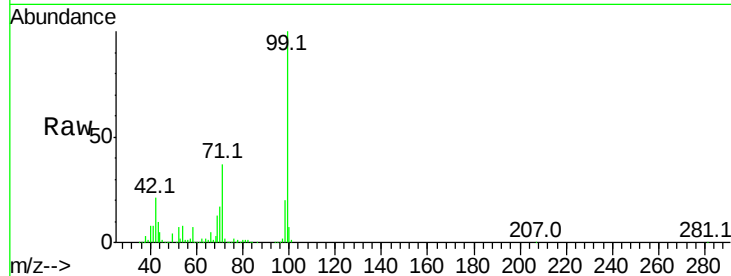
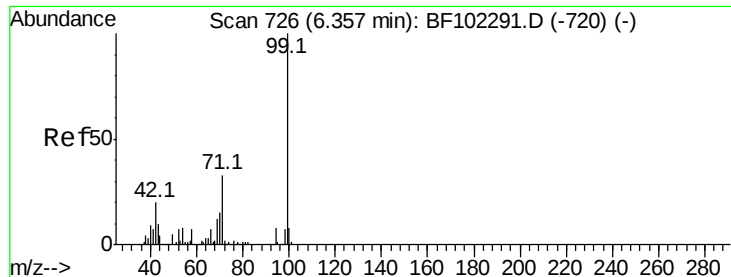
2-Fluorophenol
 Concen: 52.794 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion:112 Resp: 570018
 Ion Ratio Lower Upper
 112 100
 64 60.6 47.9 71.9
 63 30.5 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: 52.678 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

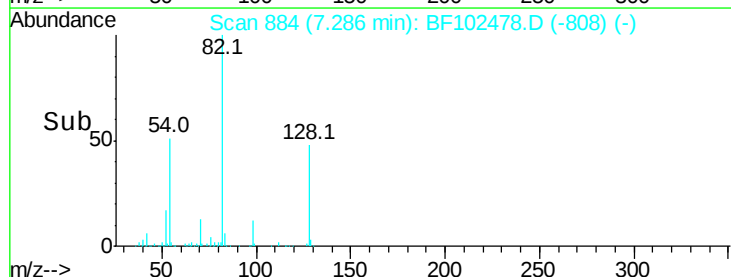
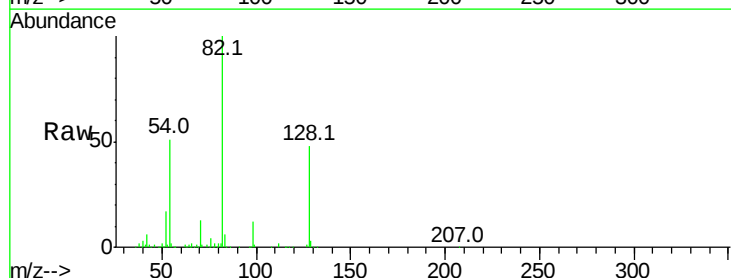
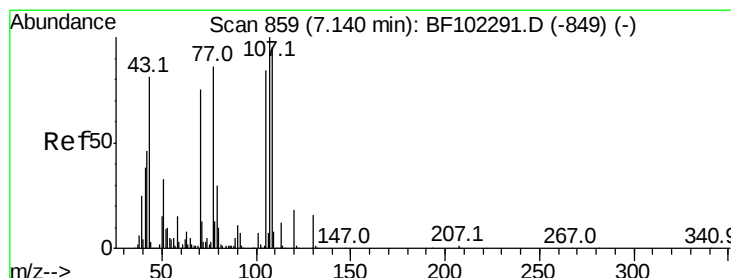
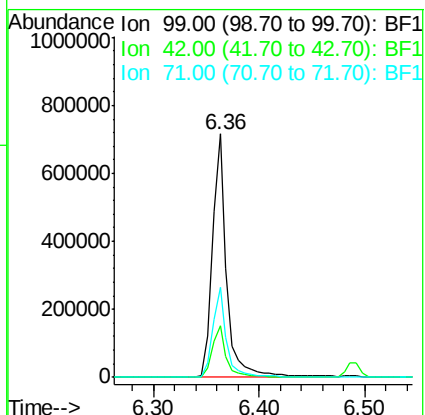
Tot Ion: 99 Resp: 685701

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

71 37.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.485 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Tgt Ion: 70 Resp: 43696

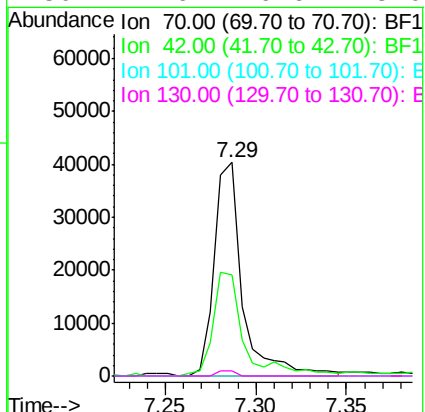
Ion Ratio Lower Upper

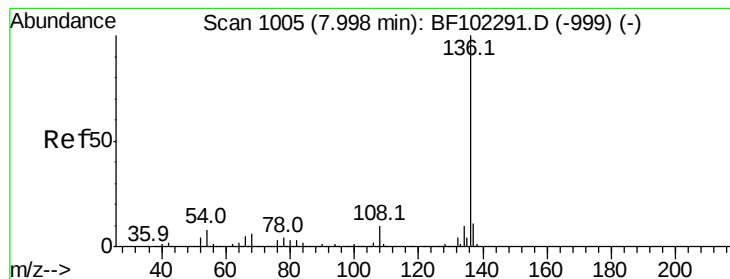
70 100

42 47.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 668021

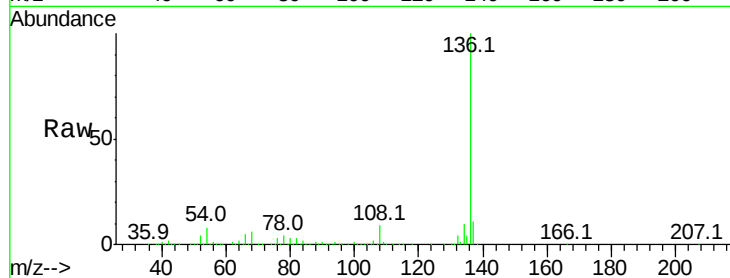
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.9 6.6 9.8

68 6.0 5.0 7.4

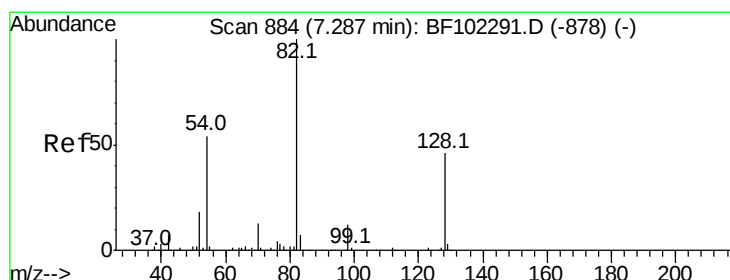
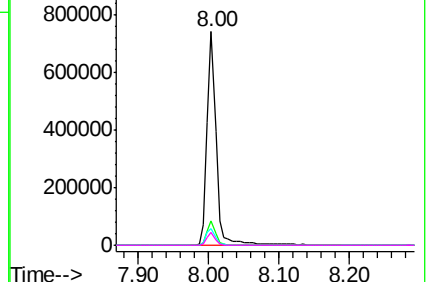
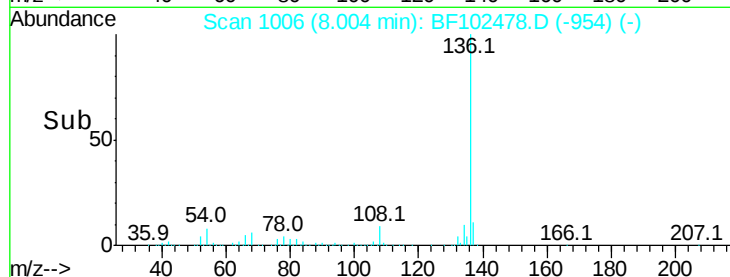


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.162 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

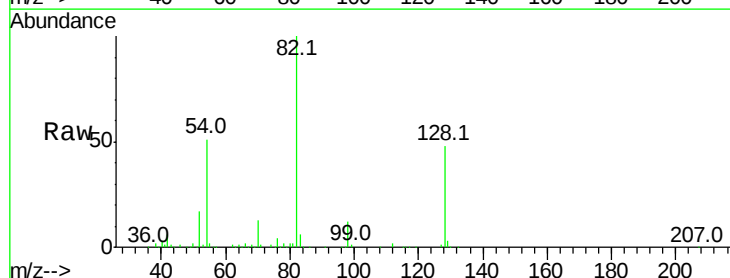
Tgt Ion: 82 Resp: 327373

Ion Ratio Lower Upper

82 100

128 47.7 36.1 54.1

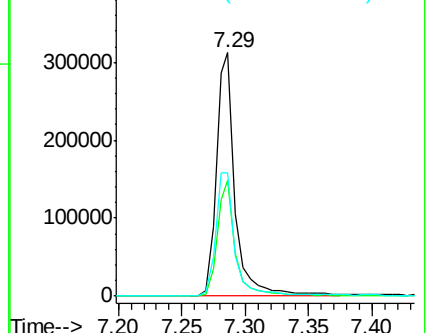
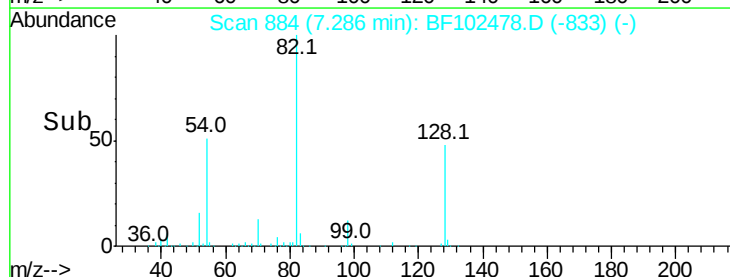
54 50.6 41.4 62.2

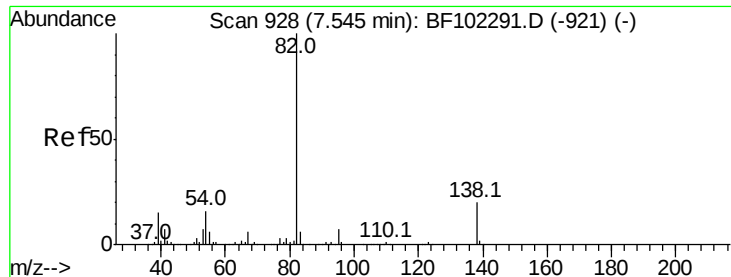


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.797 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

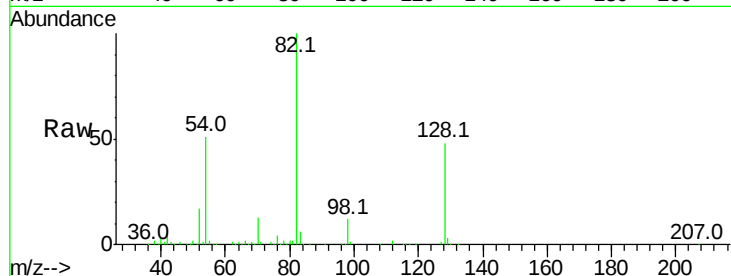
Tot Ion: 82 Resp: 327371

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

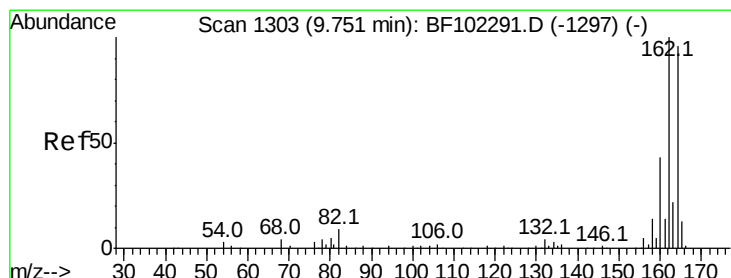
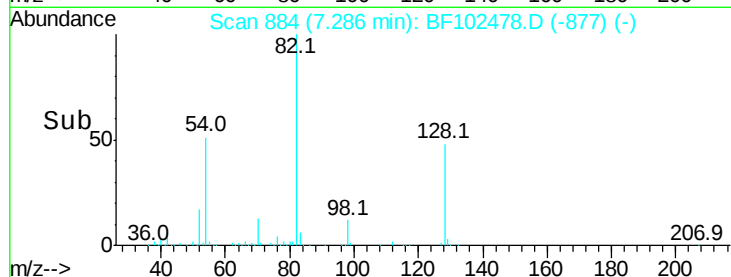
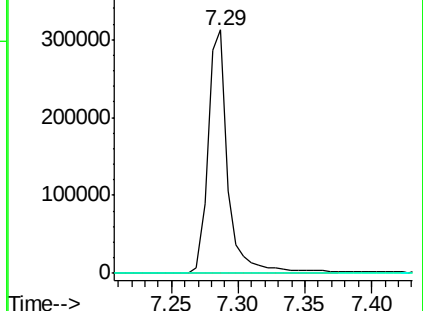
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

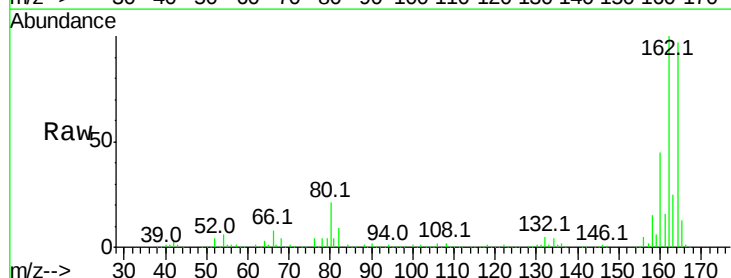
Tgt Ion:164 Resp: 262169

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

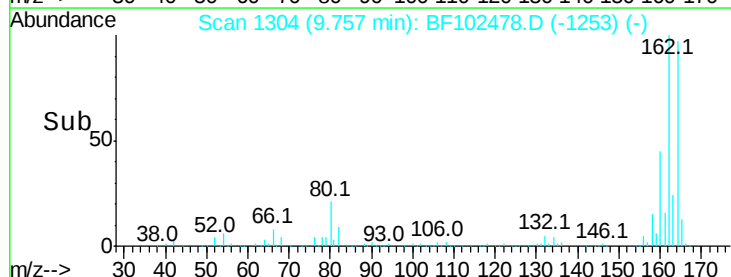
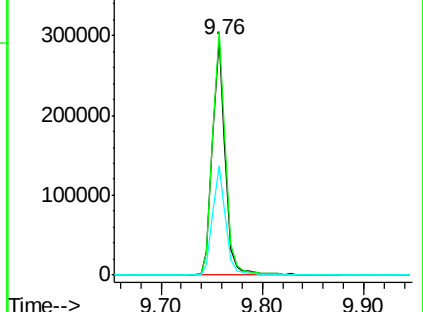
160 46.2 38.3 57.5

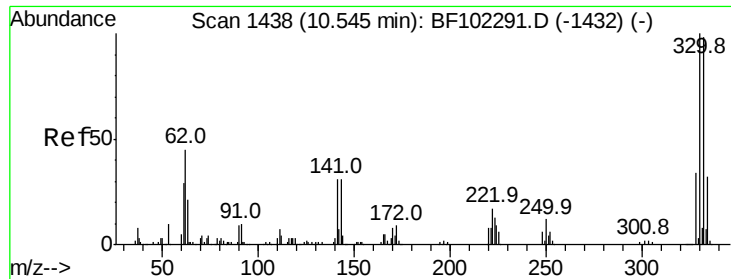


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

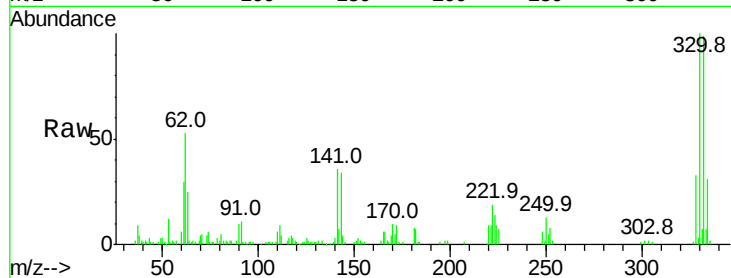




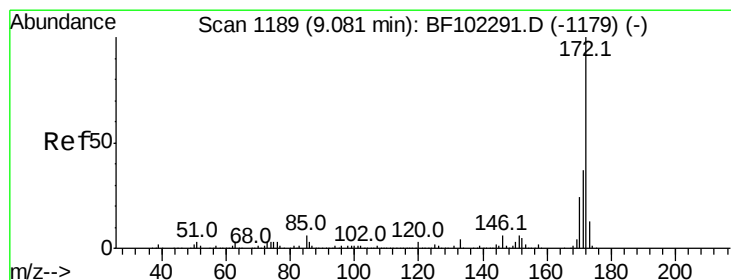
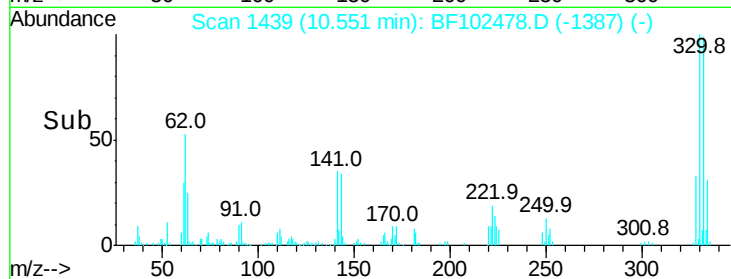
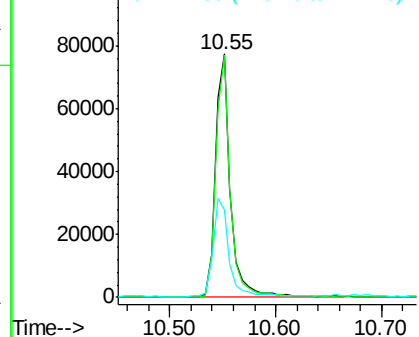
#41
 2,4,6-Tribromophenol
 Concen: 30.018 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	44.2	29.9	44.9

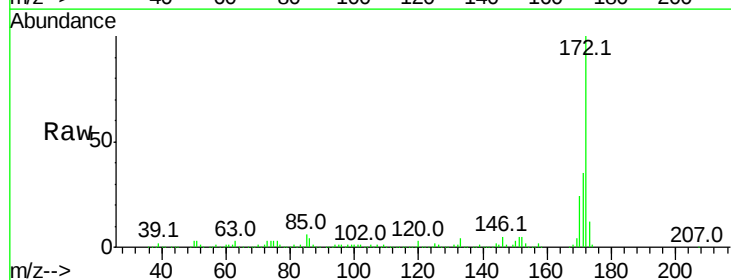


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

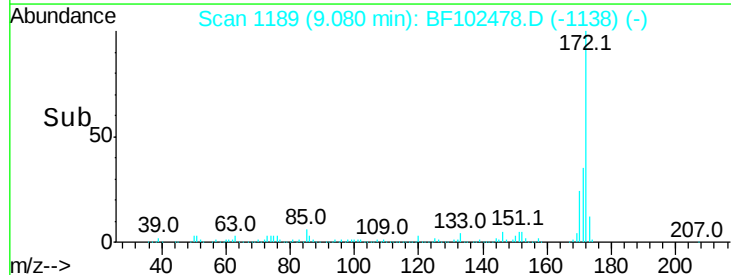
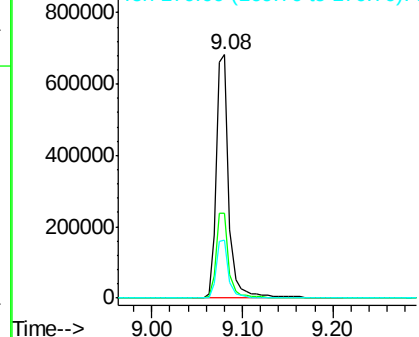


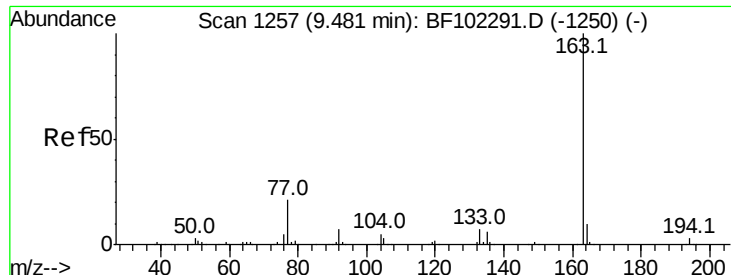
#44
 2-Fluorobiphenyl
 Concen: 37.831 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	24.0	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

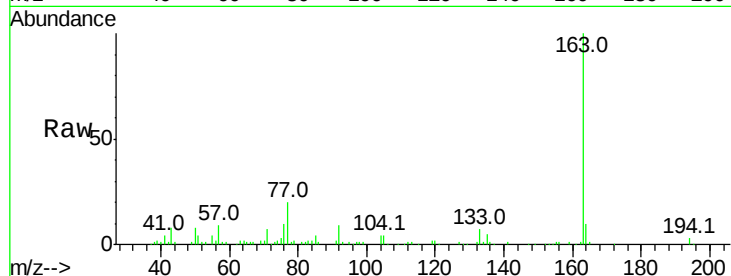




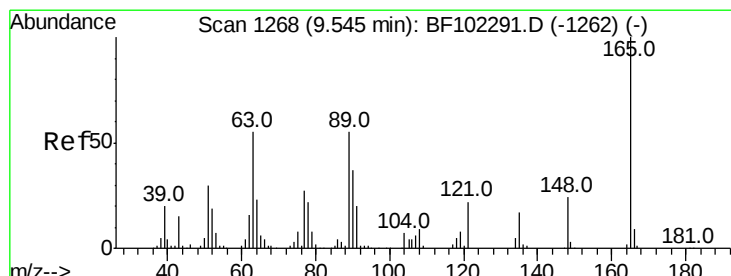
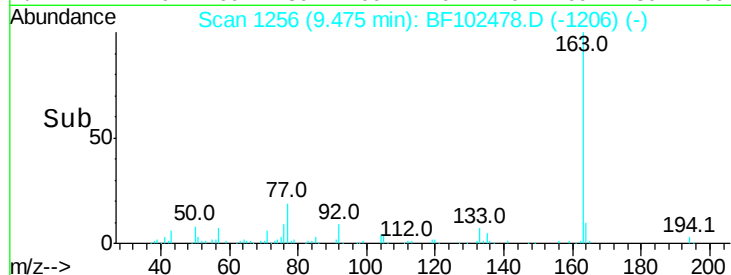
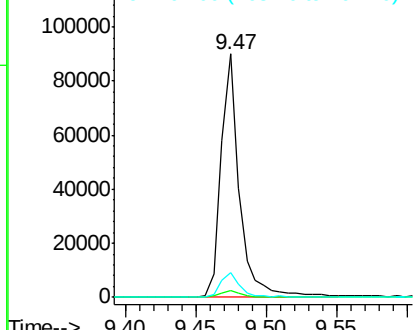
#49
Dimethylphthalate
Concen: 3.804 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 82422
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.0 8.2 12.2

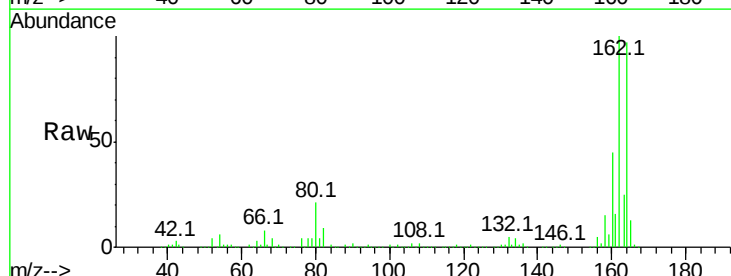


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

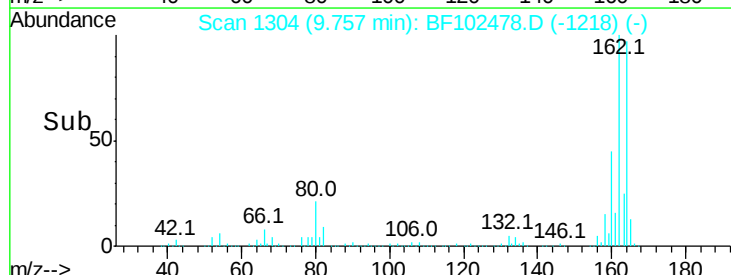
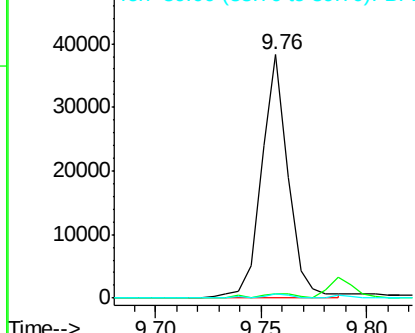


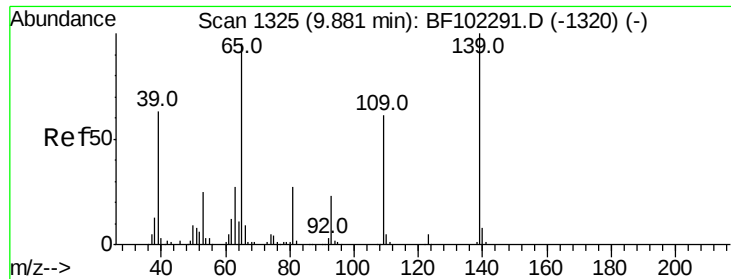
#50
2,6-Dinitrotoluene
Concen: 7.209 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Tgt Ion:165 Resp: 33680
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.7 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: 3.932 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.07 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

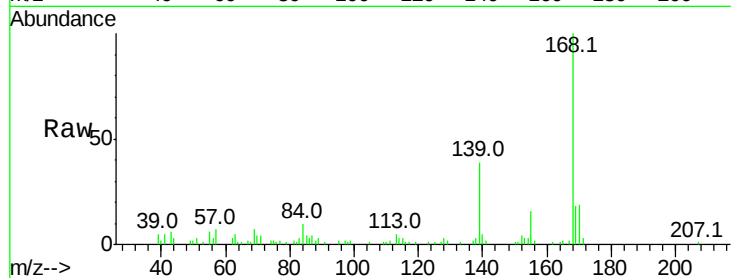
Tot Ion:139 Resp: 14345

Ion Ratio Lower Upper

139 100

109 3.6 48.4 88.4#

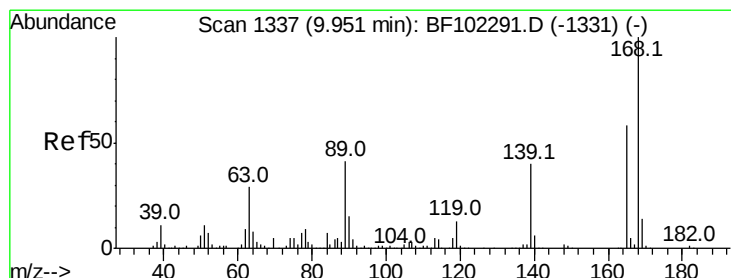
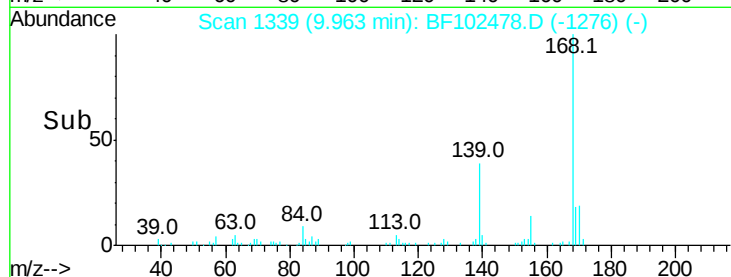
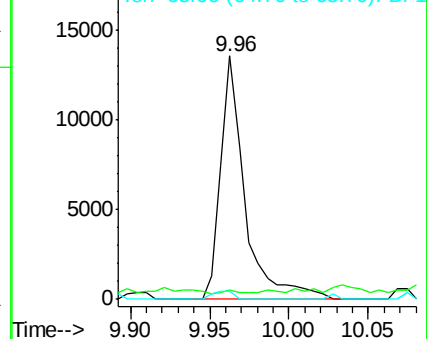
65 3.2 72.6 112.6#



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



#56

2,4-Dinitrotoluene

Concen: 5.862 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Tgt Ion:165 Resp: 33680

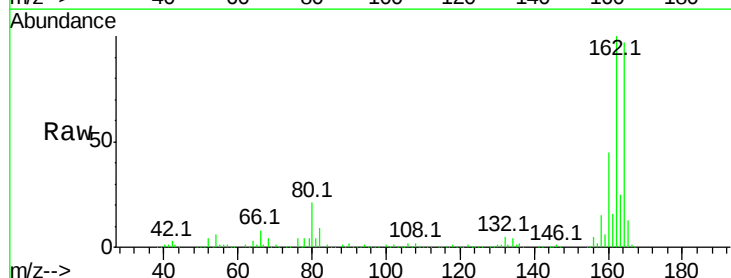
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

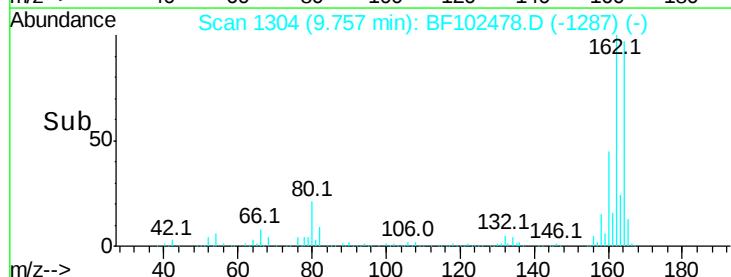
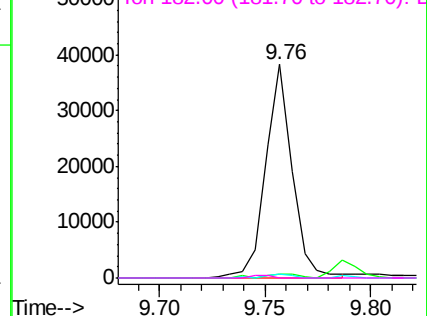


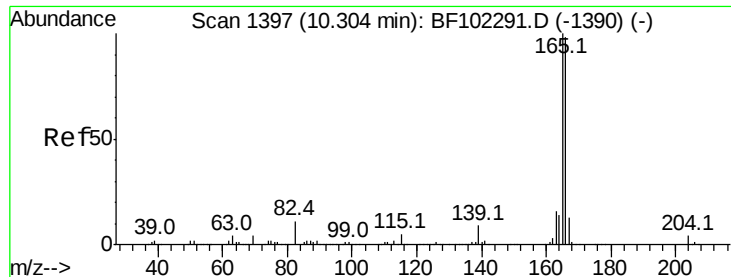
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 3.279 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

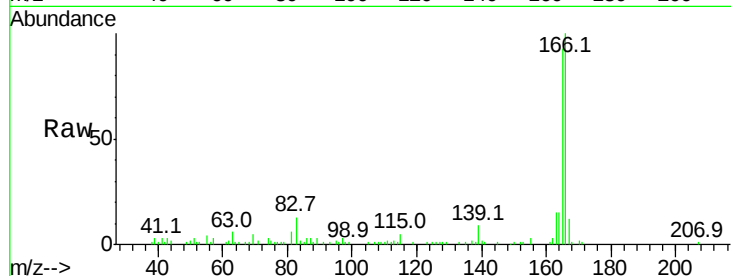
Tot Ion:166 Resp: 58291

Ion Ratio Lower Upper

166 100

165 92.9 79.8 119.8

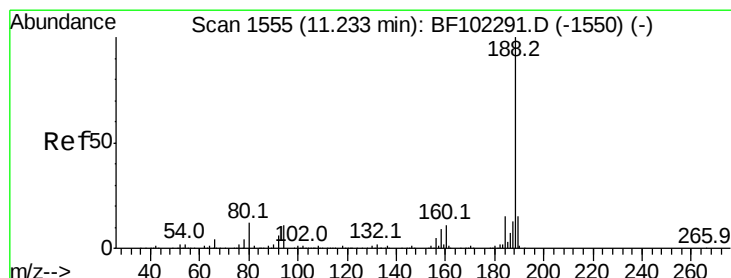
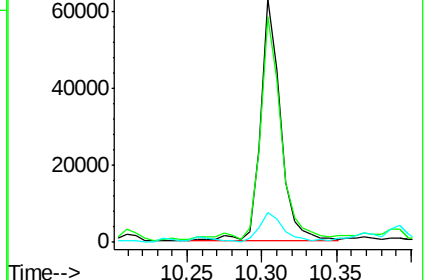
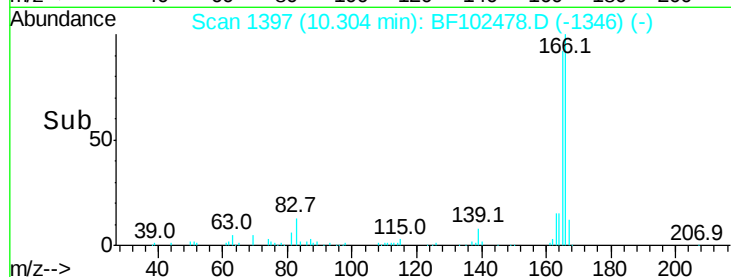
167 12.2 10.6 16.0



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: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

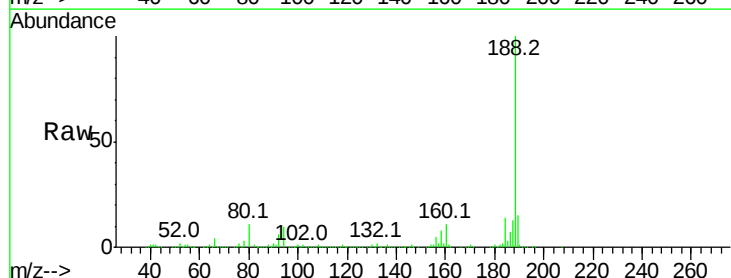
Tgt Ion:188 Resp: 371430

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

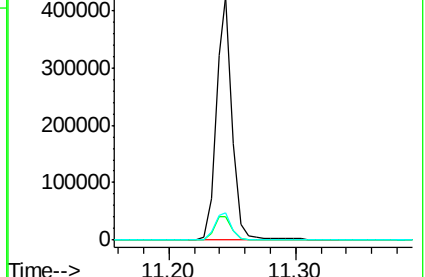
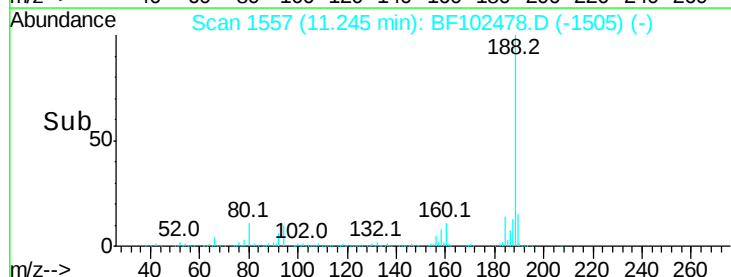
80 11.1 9.2 13.8

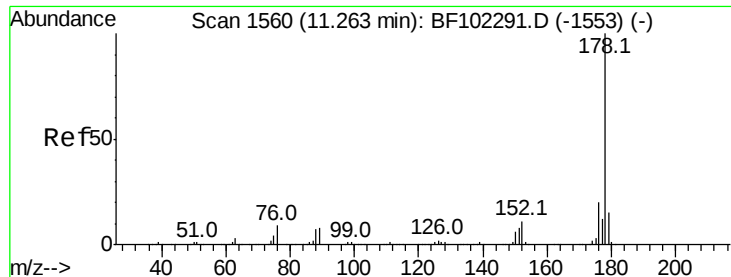


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

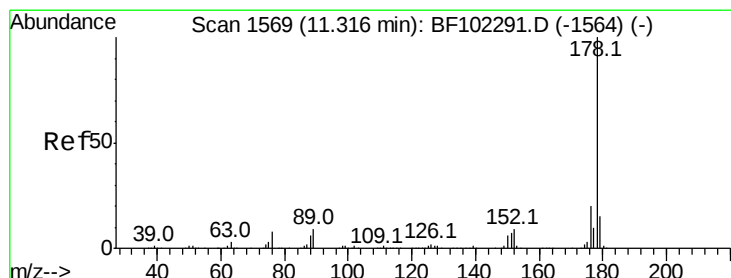
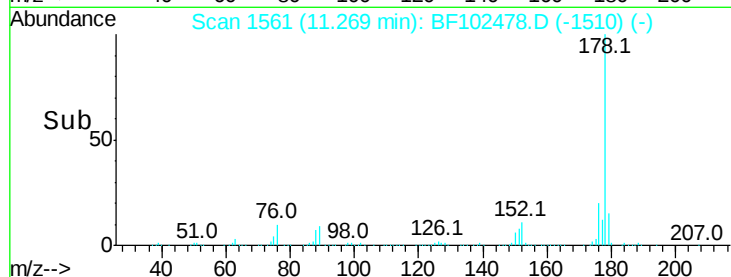
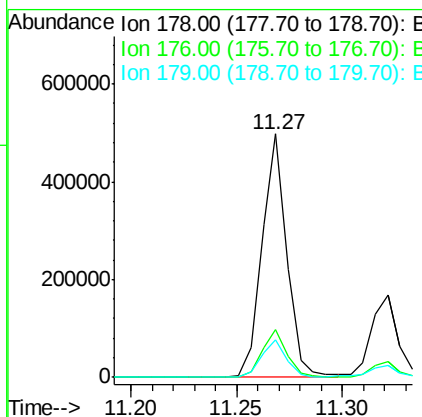
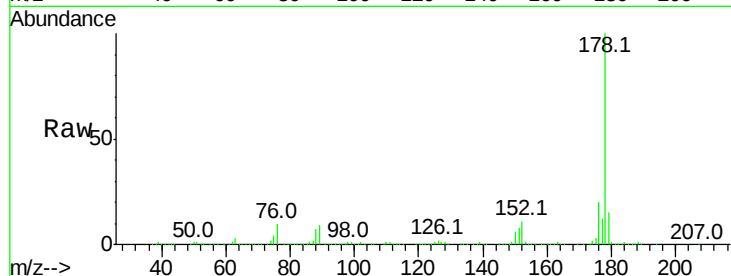




#70
Phenanthrene
Concen: 18.864 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

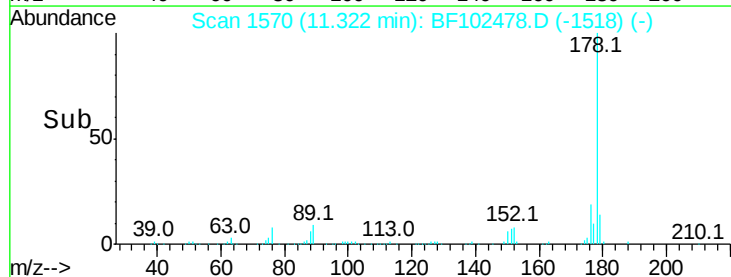
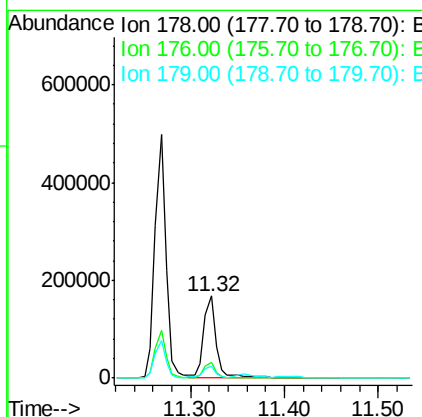
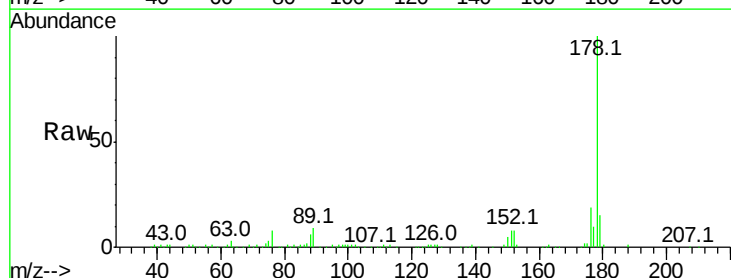
Instrument :
BNA_F
ClientSampleId :

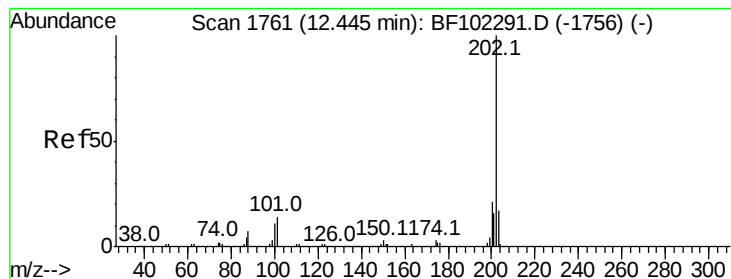
Tot Ion:178 Resp: 408292
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 7.209 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Tgt Ion:178 Resp: 159254
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 14.7 12.6 19.0





#74

Fluoranthene

Concen: 22.062 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

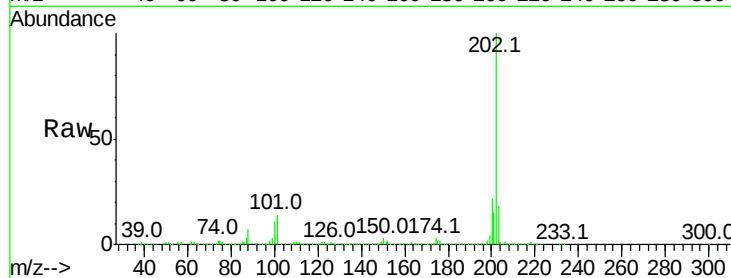
Tot Ion:202 Resp: 486937

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

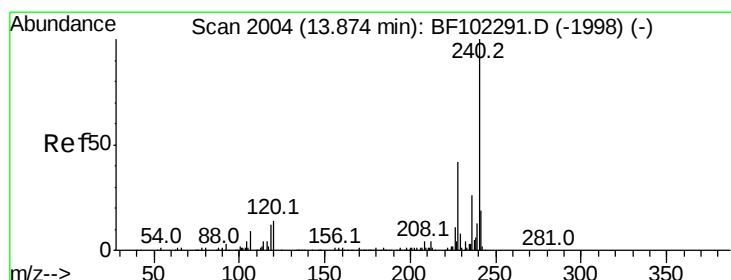
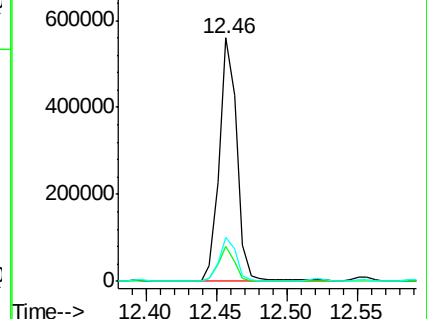
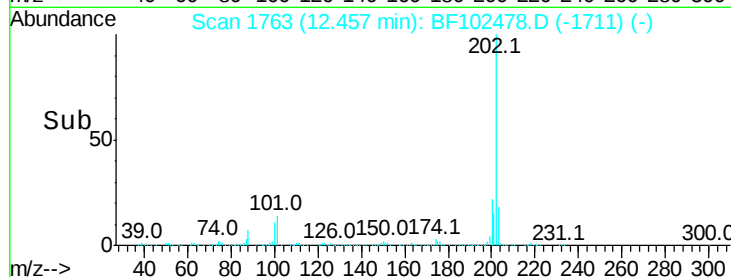
203 17.9 0.0 38.1



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: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

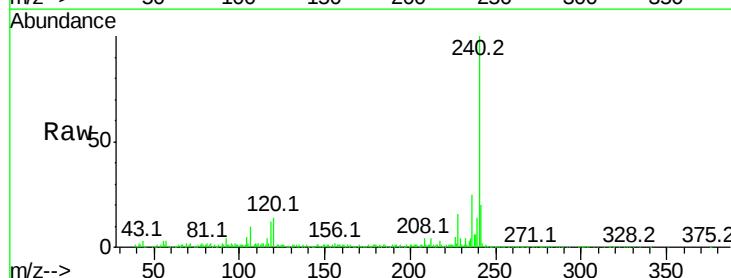
Tgt Ion:240 Resp: 289078

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

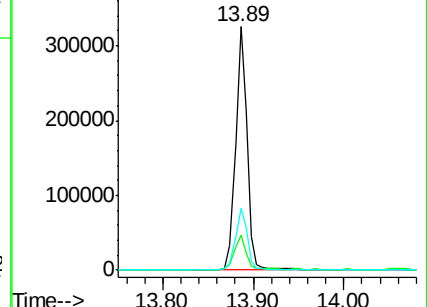
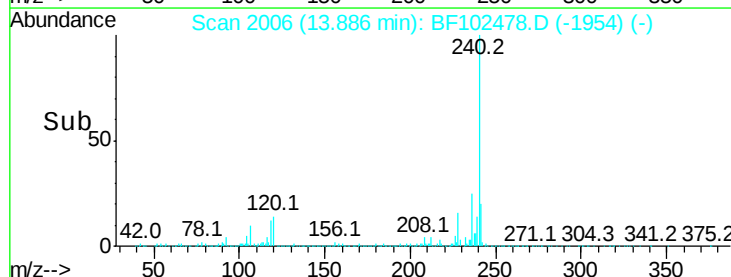
236 25.5 20.7 31.1

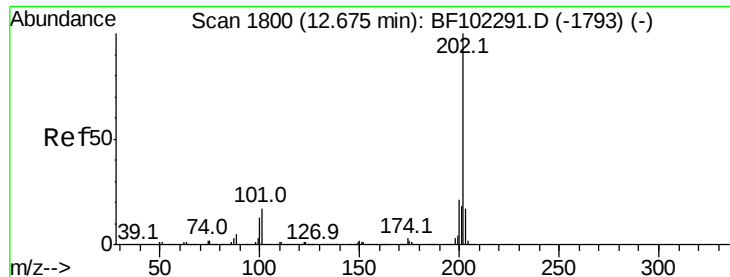


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.898 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

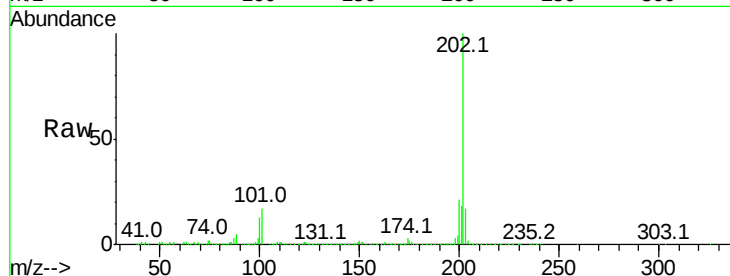
Tot Ion:202 Resp: 444721

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

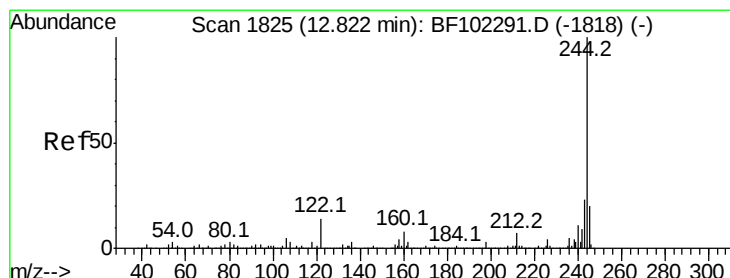
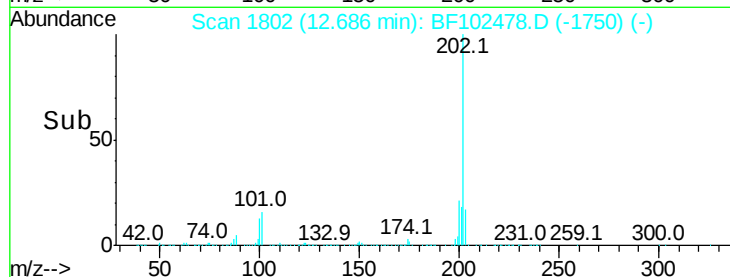
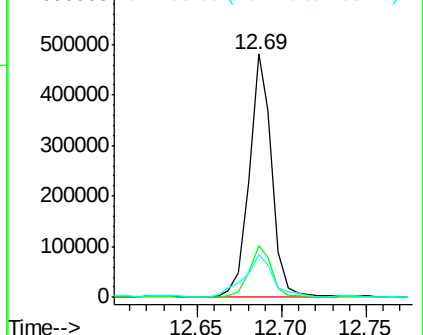
203 17.3 14.3 21.5



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: 34.918 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

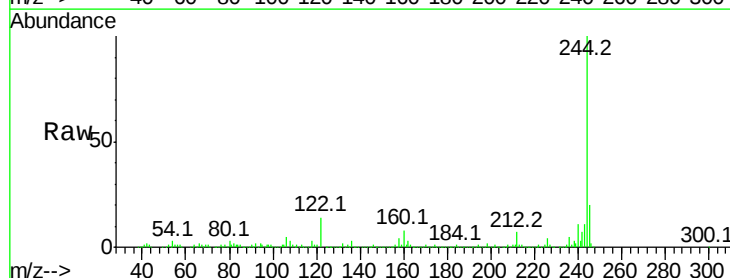
Tgt Ion:244 Resp: 447760

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

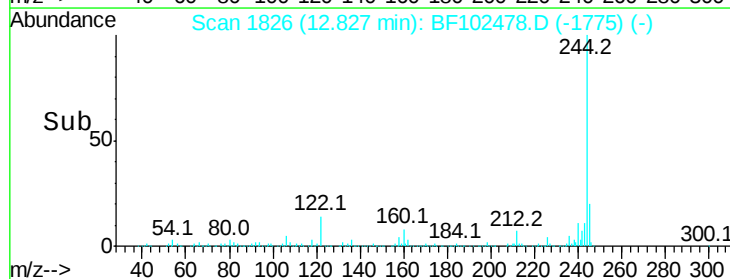
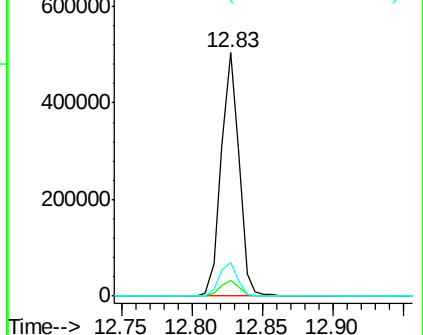
122 13.6 11.0 16.4

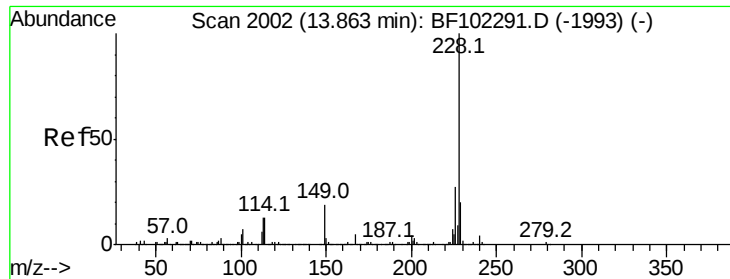


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

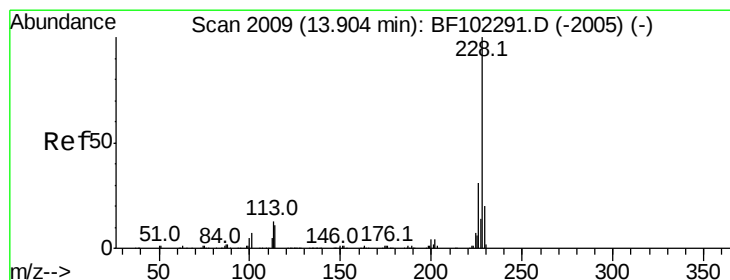
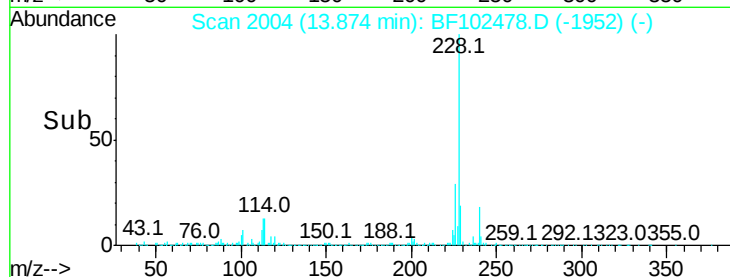
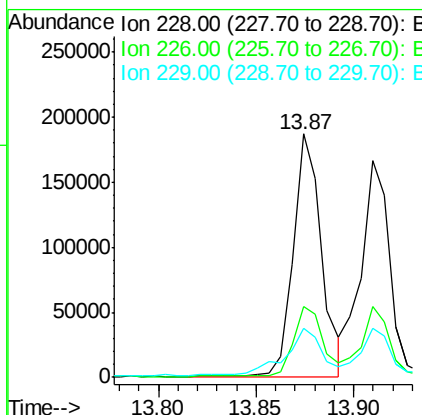
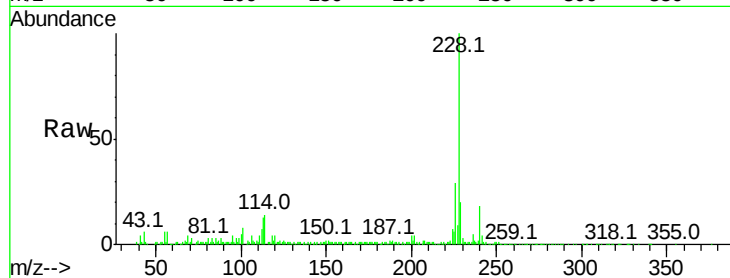




#80
Benzo(a)anthracene
Concen: 10.459 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

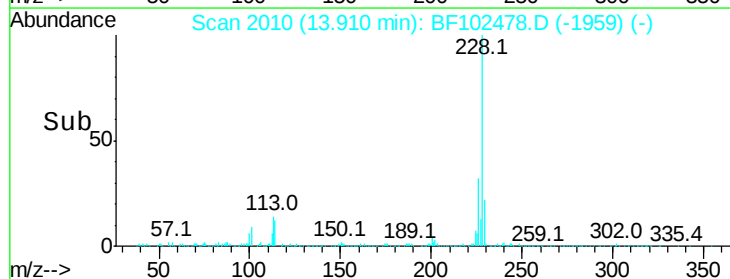
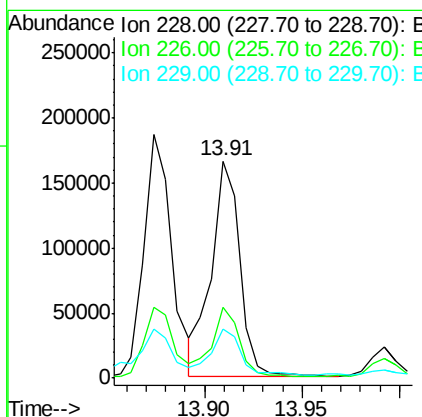
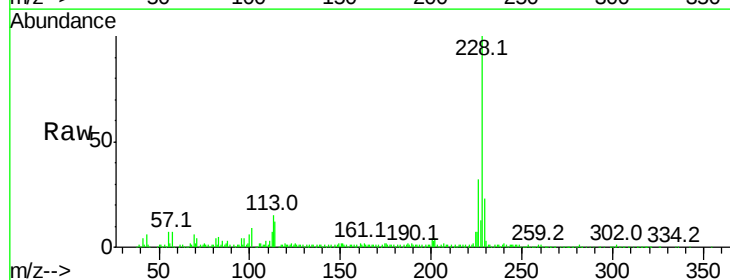
Instrument :
BNA_F
ClientSampleId :

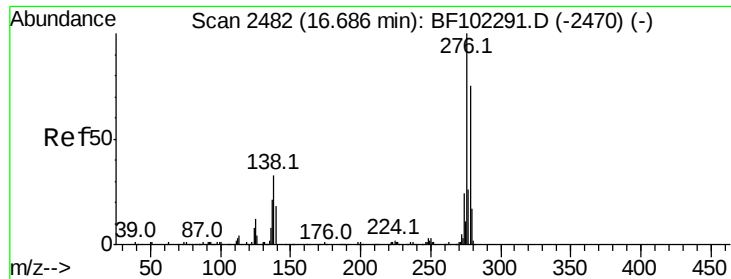
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.2	15.8	23.6



#82
Chrysene
Concen: 9.457 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF102478.D
Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	22.6	16.2	24.4

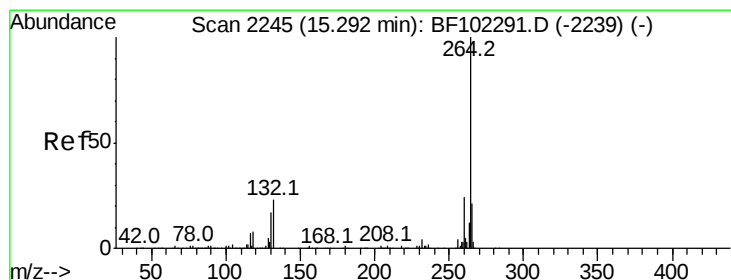
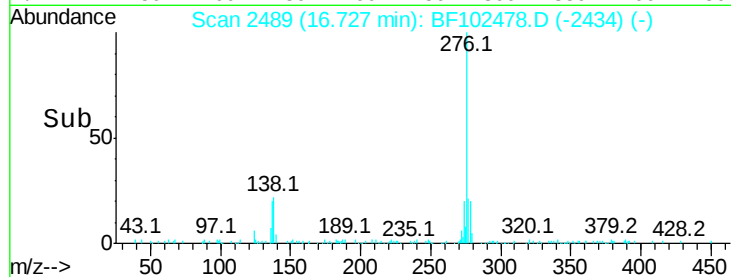
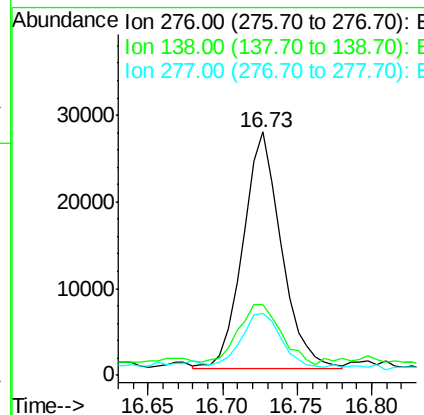
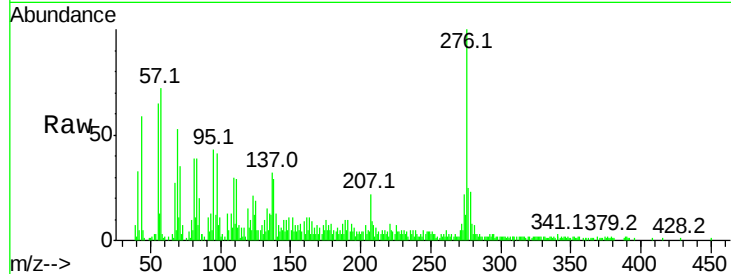




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.254 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

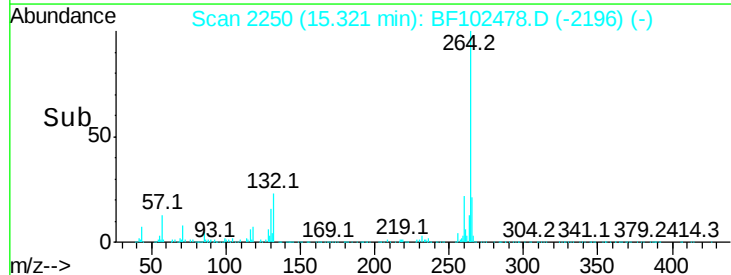
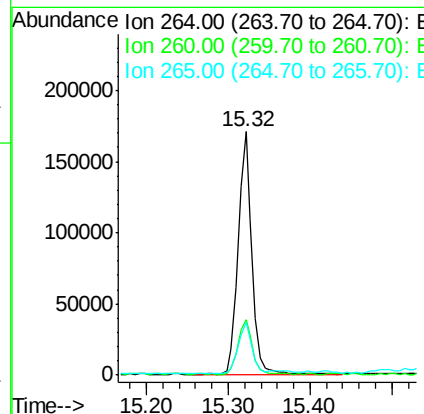
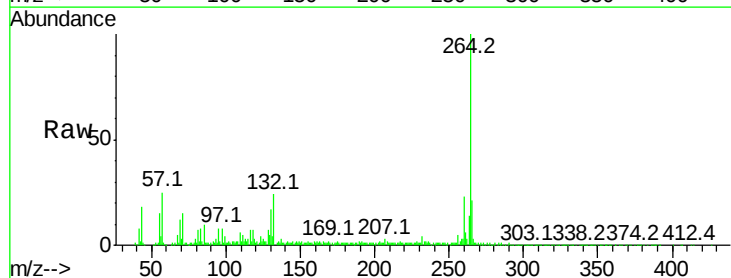
Instrument :
 BNA_F
 ClientSampleId :

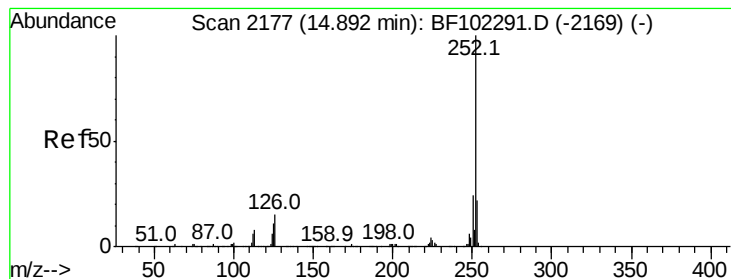
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.0	37.6
277	24.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.02 min
 Lab File: BF102478.D
 Acq: 26 Jan 2018 19:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 14.772 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

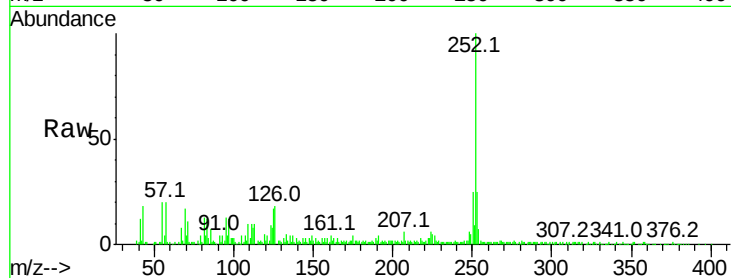
Tot Ion:252 Resp: 191980

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

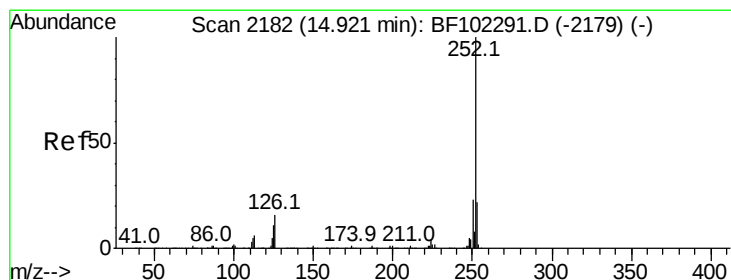
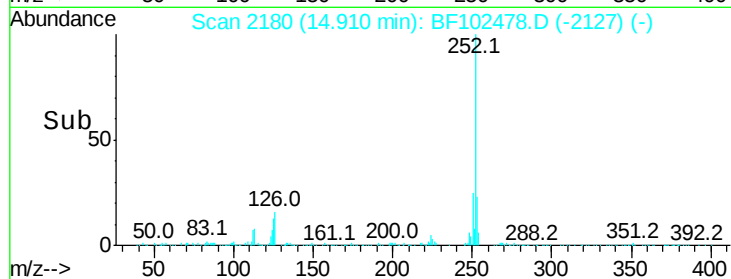
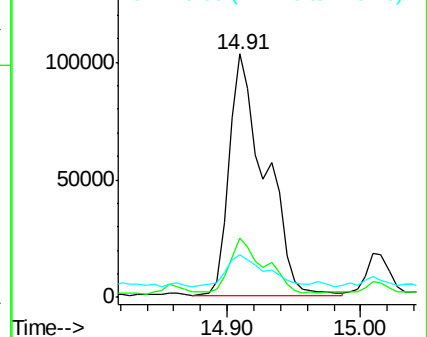
125 17.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 15.636 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

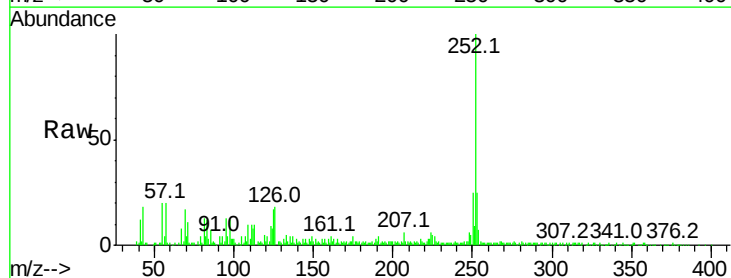
Tgt Ion:252 Resp: 191980

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

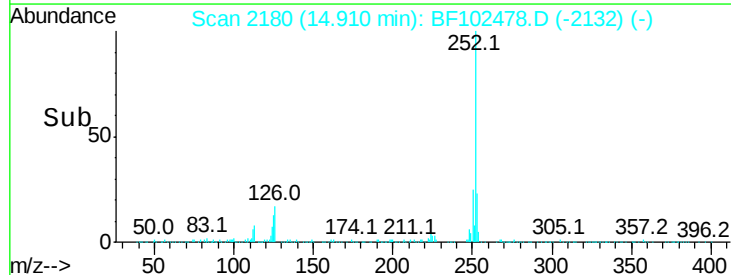
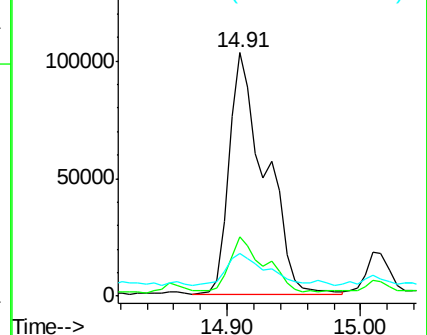
125 17.4 10.2 15.2#

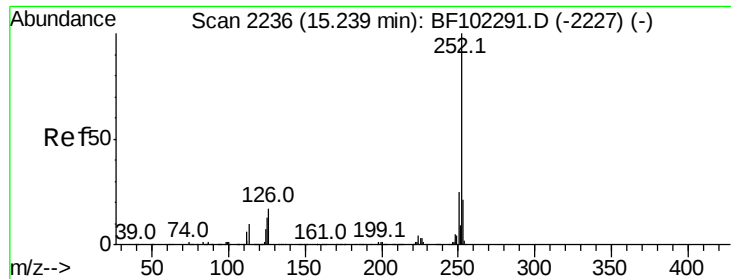


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.431 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

Instrument :

BNA_F

ClientSampleId :

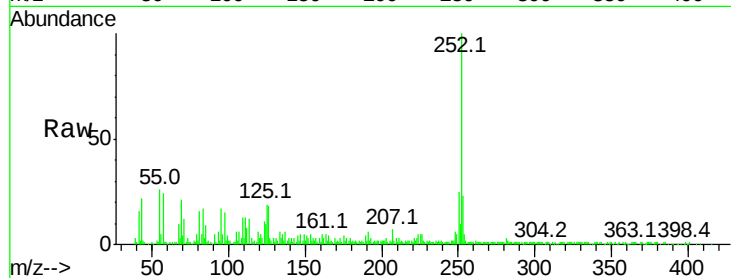
Tot Ion:252 Resp: 98817

Ion Ratio Lower Upper

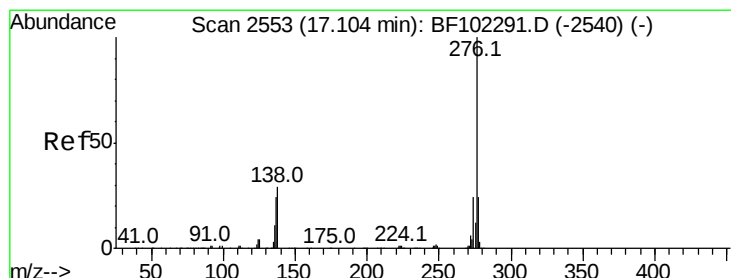
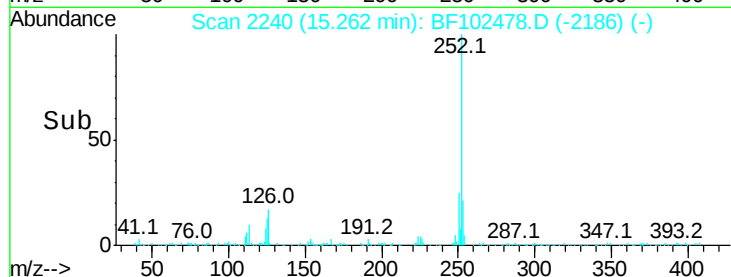
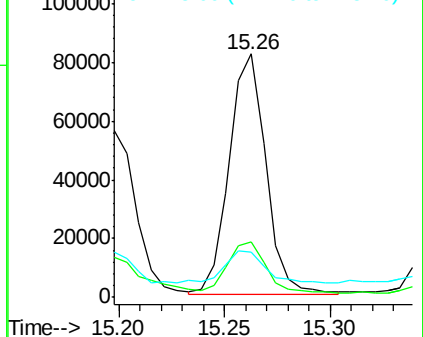
252 100

253 23.0 17.1 25.7

125 18.7 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(g,h,i)perylene

Concen: 5.195 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF102478.D

Acq: 26 Jan 2018 19:36

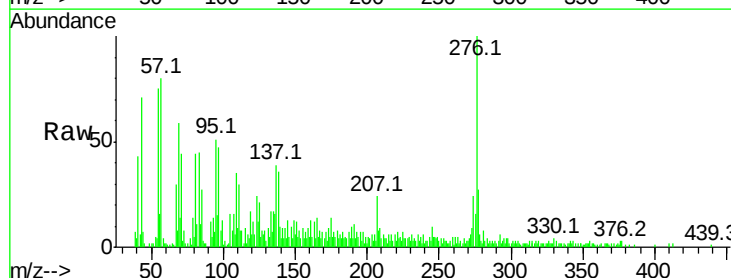
Tgt Ion:276 Resp: 48701

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 36.1 21.8 32.8#



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

