

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107179.D
 Acq On : 6 Jul 2018 18:07
 Operator : JU/SJ
 Sample : J3820-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-070318

Quant Time: Jul 06 18:46:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	61562	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	231634	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	102832	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	167896	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	173817	20.00	ng	-0.03
86) Perylene-d12	15.67	264	134454	20.00	ng	-0.05

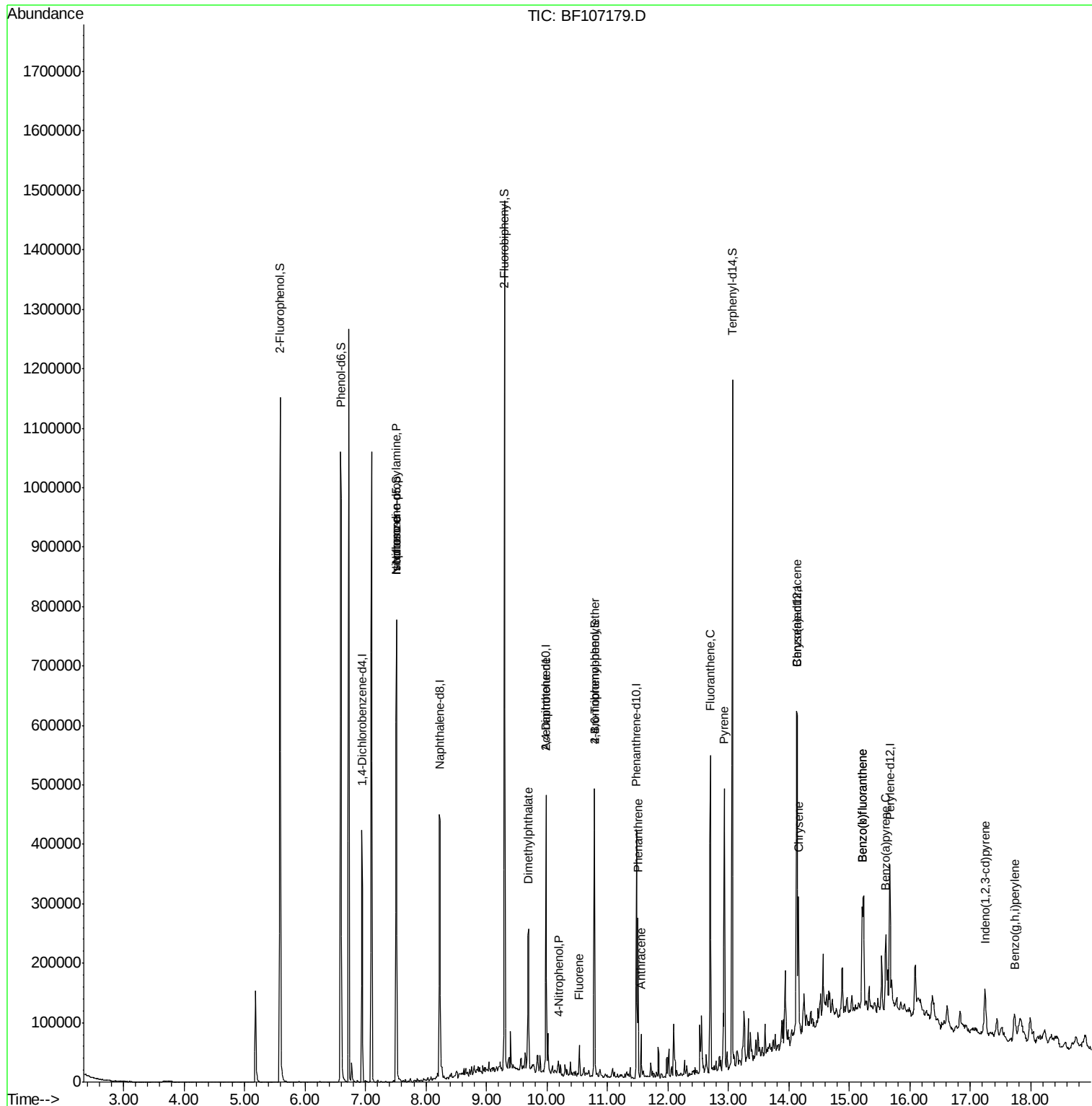
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	330395	90.88	ng	-0.01
7) Phenol-d6	6.59	99	429194	94.53	ng	-0.02
23) Nitrobenzene-d5	7.51	82	262494	62.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	70085	58.80	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	462137	74.19	ng	-0.02
78) Terphenyl-d14	13.07	244	451129	62.87	ng	-0.02

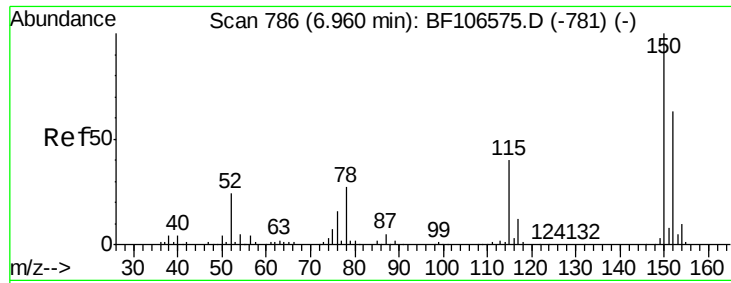
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.51	70	34862	11.649	ng	# 72
25) Isophorone	7.51	82	262492	35.739	ng	# 64
49) Dimethylphthalate	9.70	163	105120	13.630	ng	# 99
55) 4-Nitrophenol	10.19	139	3116	2.375	ng	# 18
56) 2,4-Dinitrotoluene	9.98	165	13693	6.423	ng	# 21
57) Fluorene	10.54	166	15278	2.192	ng	# 92
66) 4-Bromophenyl-phenylether	10.78	248	4286	2.139	ng	# 1
70) Phenanthrene	11.51	178	109082	13.470	ng	97
71) Anthracene	11.56	178	32353	3.914	ng	97
74) Fluoranthene	12.70	202	208801	23.394	ng	94
77) Pyrene	12.93	202	194856	17.000	ng	98
80) Benzo(a)anthracene	14.12	228	91500	8.637	ng	97
82) Chrysene	14.16	228	93191	9.562	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	37545	4.539	ng	# 91
87) Benzo(b)fluoranthene	15.21	252	137555	16.469	ng	97
88) Benzo(k)fluoranthene	15.21	252	137555	17.294	ng	# 97
89) Benzo(a)pyrene	15.60	252	67428	9.081	ng	96
91) Benzo(g,h,i)perylene	17.73	276	41012	6.668	ng	# 89

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

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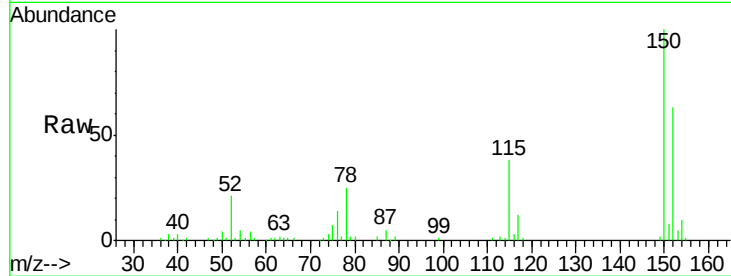


#1

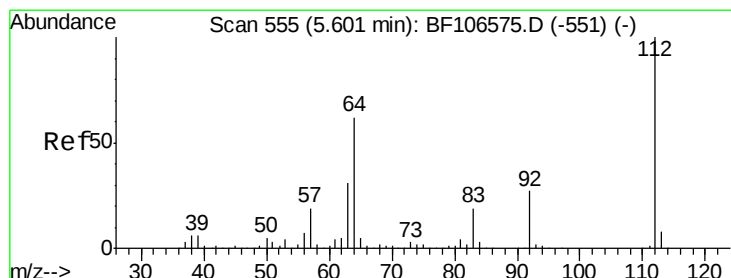
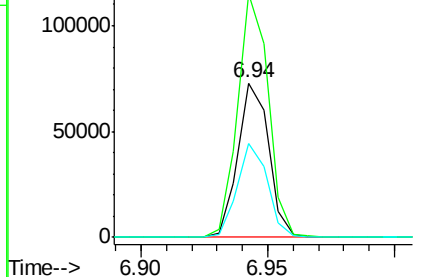
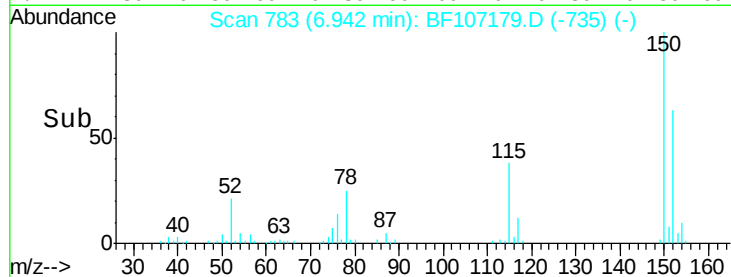
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-070318

Tgt Ion:152 Resp: 61562
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.6 186.8
 115 60.7 50.1 75.1



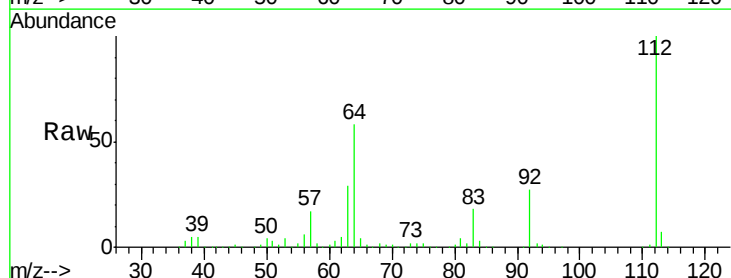
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



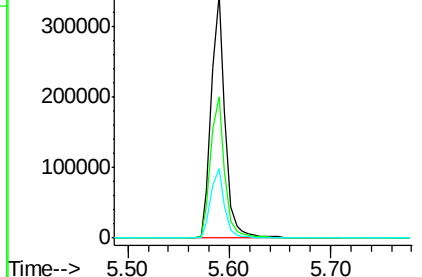
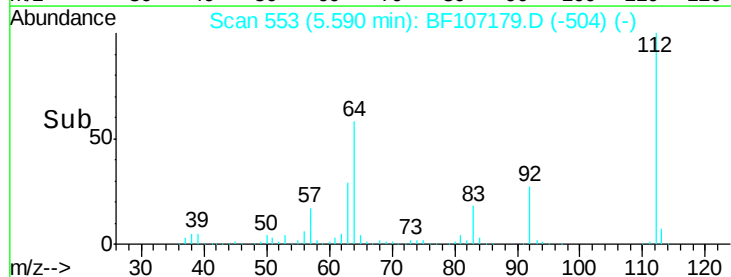
#5

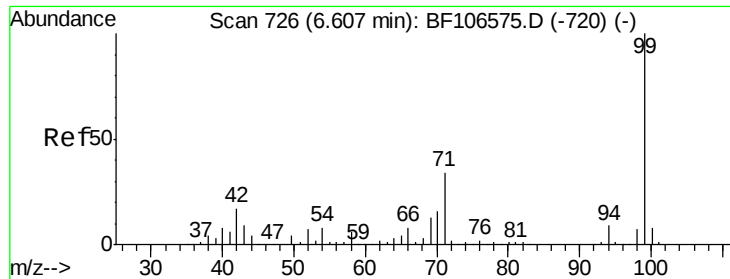
2-Fluorophenol
 Concen: 90.878 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

Tgt Ion:112 Resp: 330395
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.9 71.9
 63 28.7 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: 94.533 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

Instrument :

BNA_F

ClientSampleId :

BU-03-070318

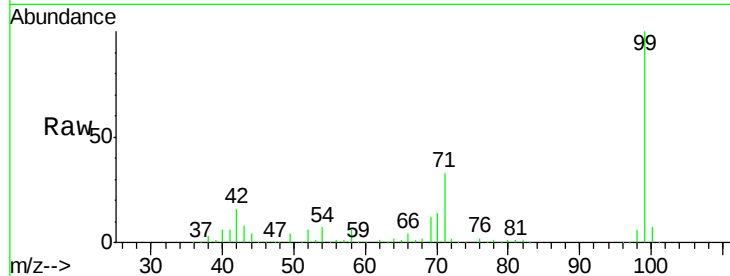
Tgt Ion: 99 Resp: 429194

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

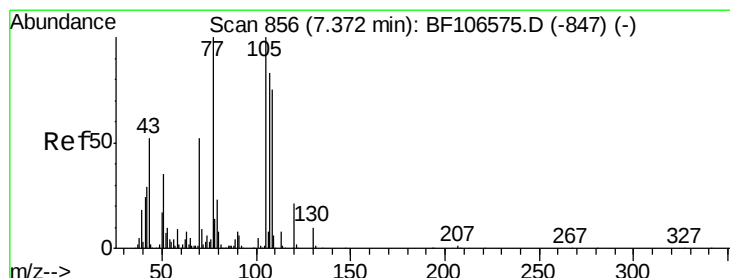
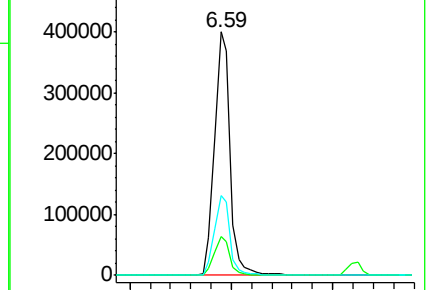
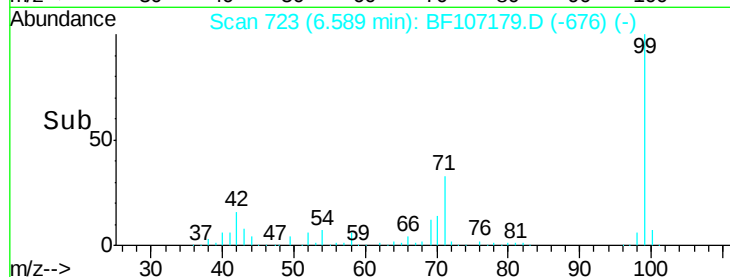
71 32.9 25.4 38.0



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: 11.649 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

Tgt Ion: 70 Resp: 34862

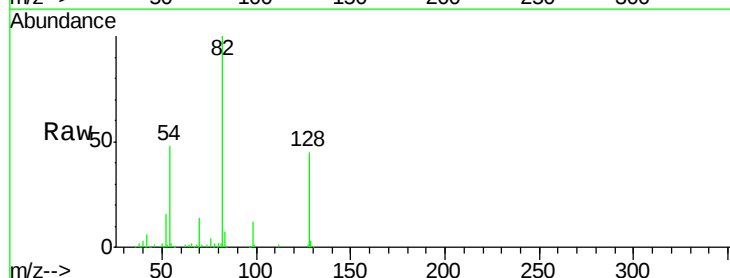
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

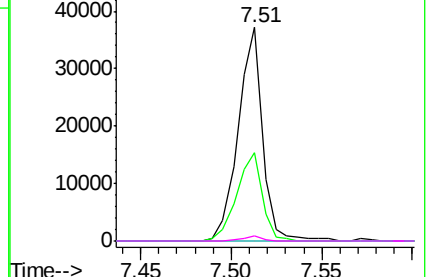
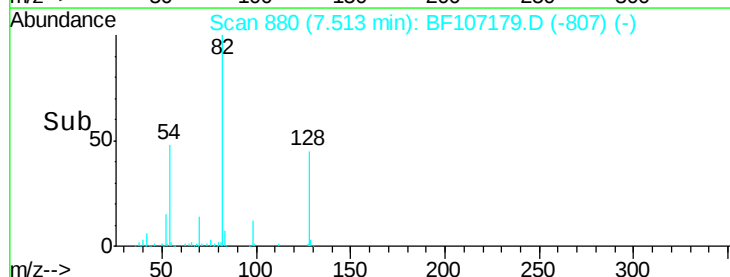


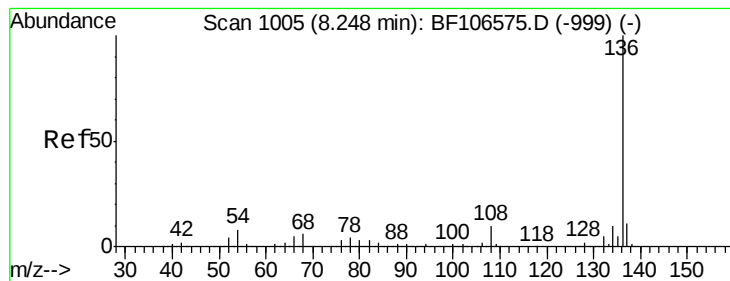
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

Instrument :

BNA_F

ClientSampleId :

BU-03-070318

Tgt Ion:136 Resp: 231634

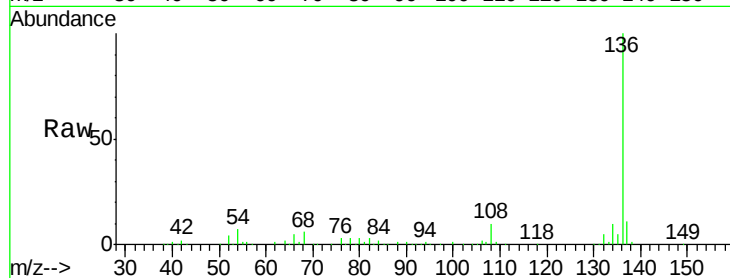
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.4 6.6 9.8

68 5.8 5.0 7.4

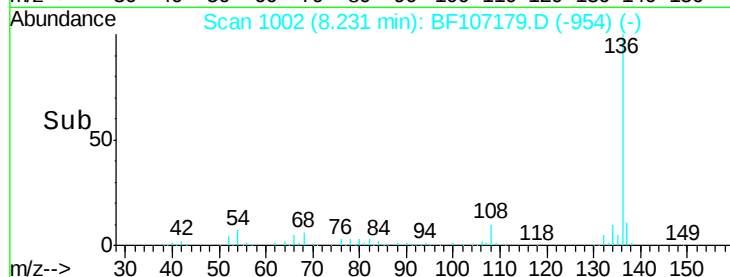


Abundance Ion 136.00 (135.70 to 136.70): E

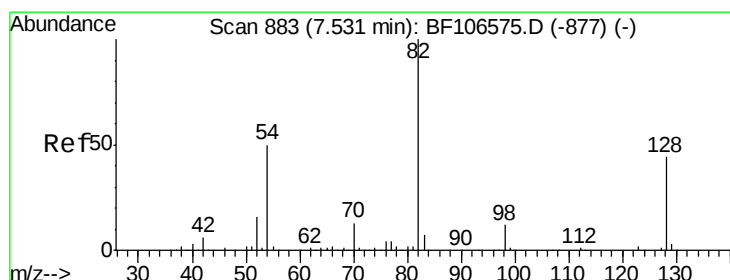
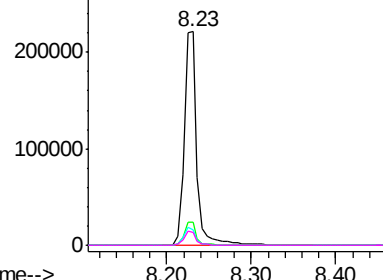
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 62.977 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

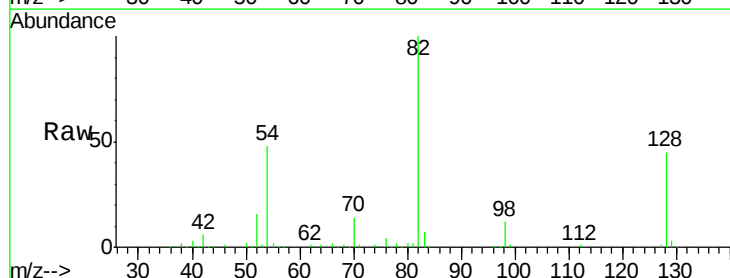
Tgt Ion: 82 Resp: 262494

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

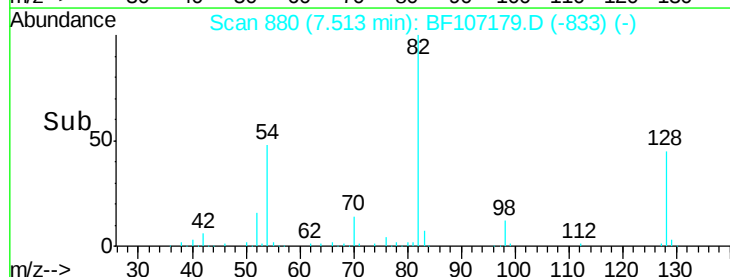
54 48.1 41.4 62.2



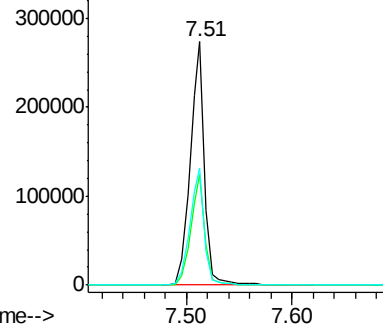
Abundance Ion 82.00 (81.70 to 82.70): BF1

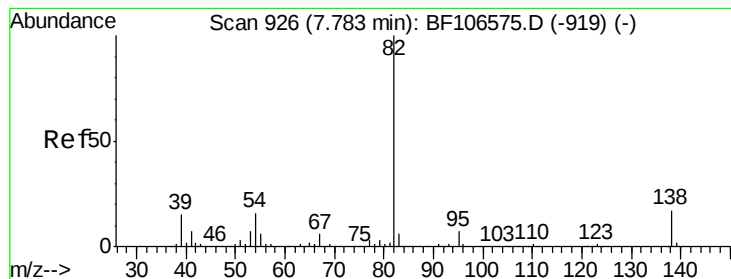
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 35.739 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

Instrument :

BNA_F

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BU-03-070318

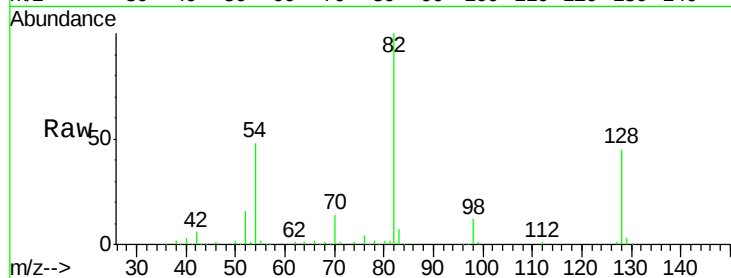
Tgt Ion: 82 Resp: 262492

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

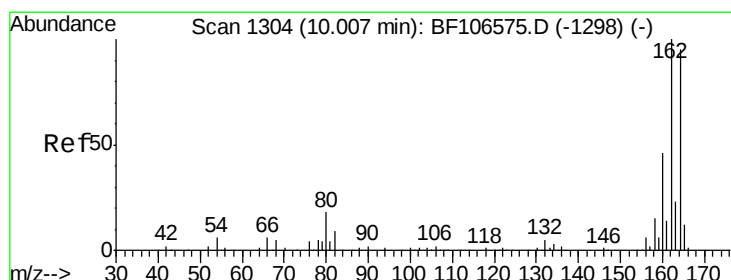
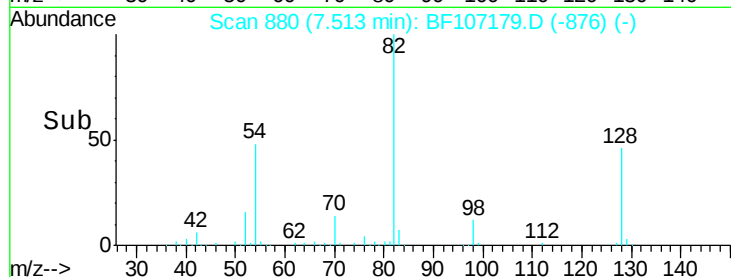
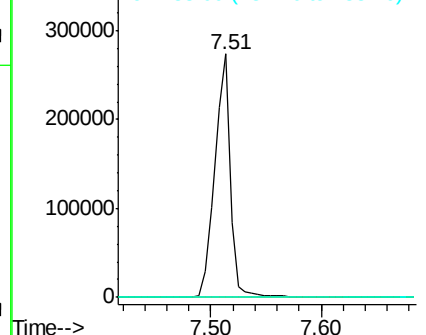
138 0.0 14.9 22.3#



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: 9.98 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

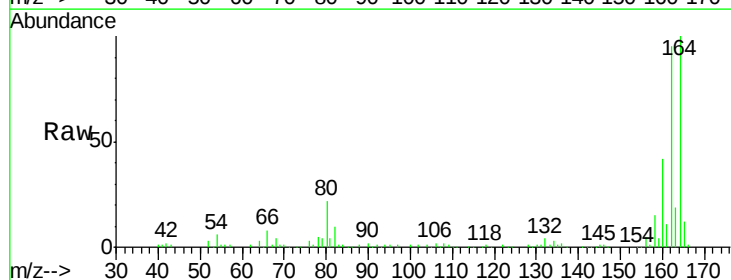
Tgt Ion: 164 Resp: 102832

Ion Ratio Lower Upper

164 100

162 95.0 86.1 129.1

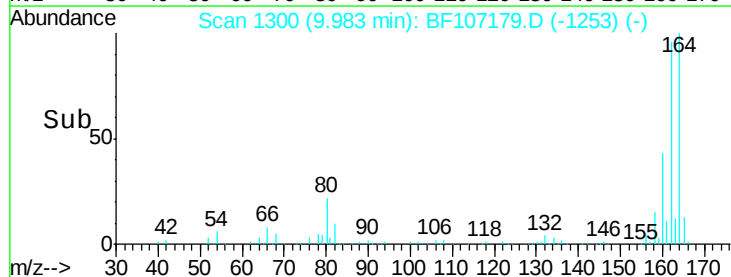
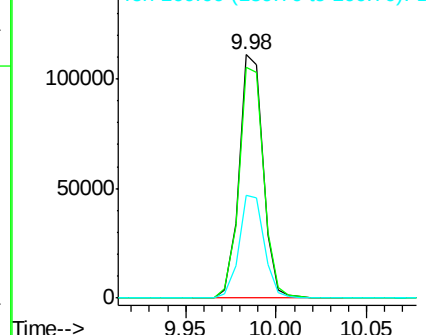
160 42.1 38.3 57.5

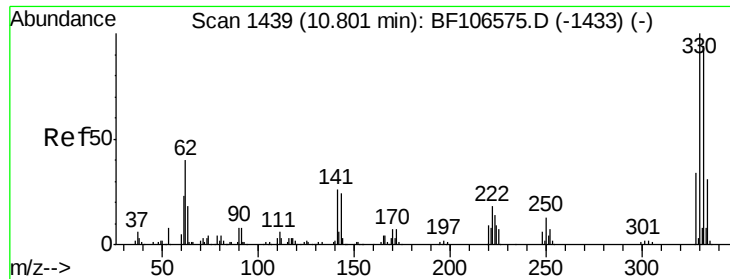


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

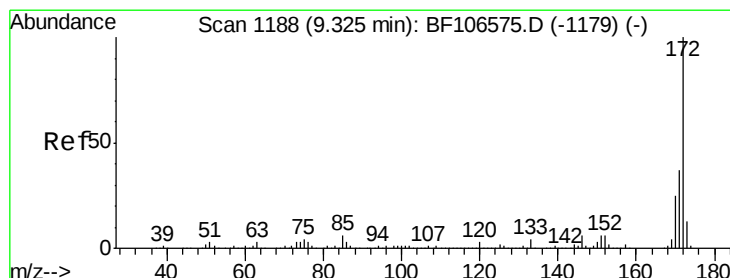
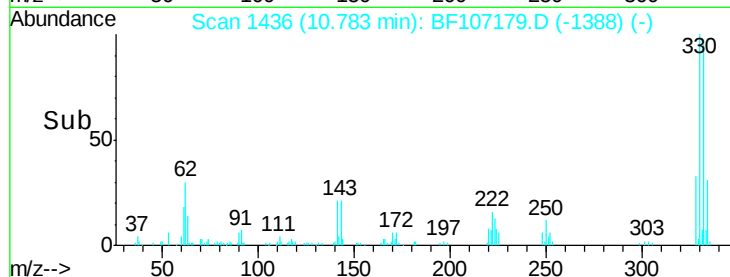
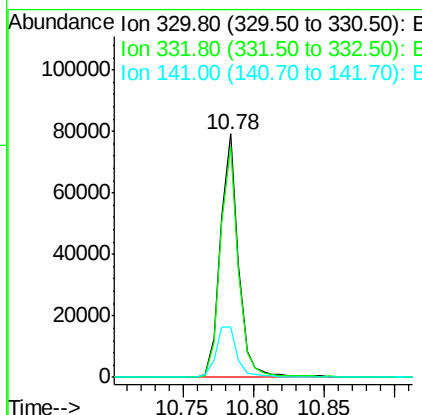
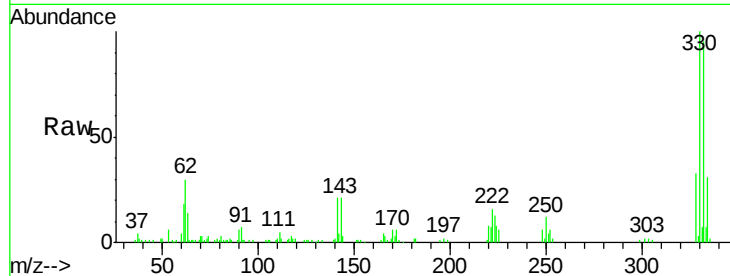




#41
 2,4,6-Tribromophenol
 Concen: 58.804 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

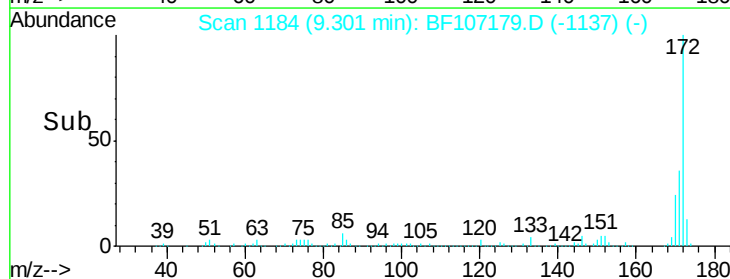
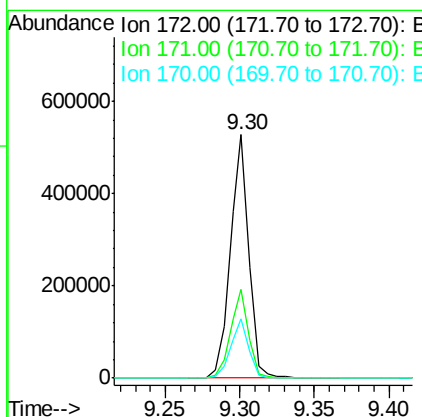
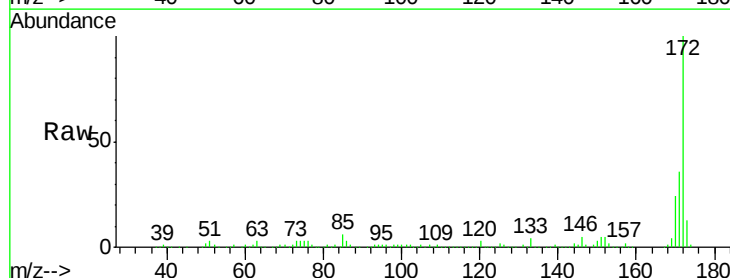
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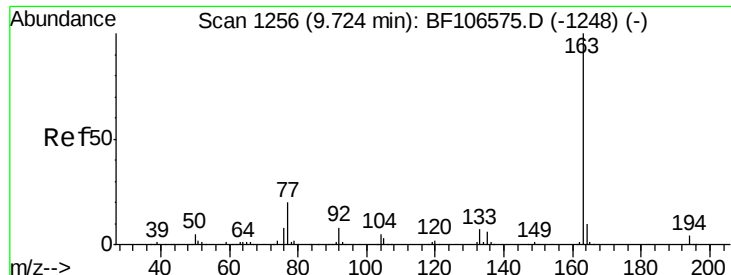
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	24.3	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 74.193 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.2	19.6	29.4

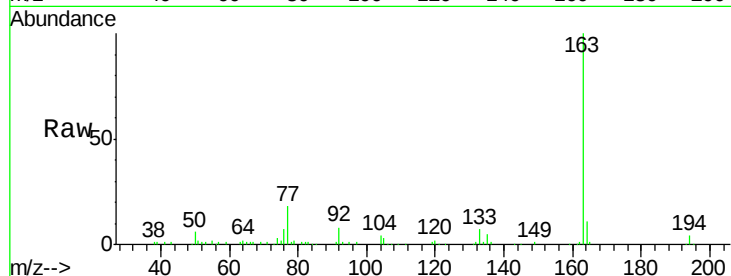




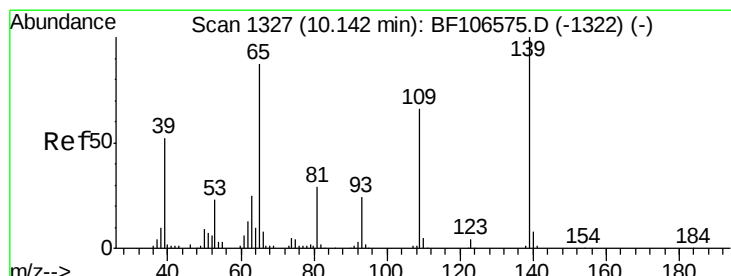
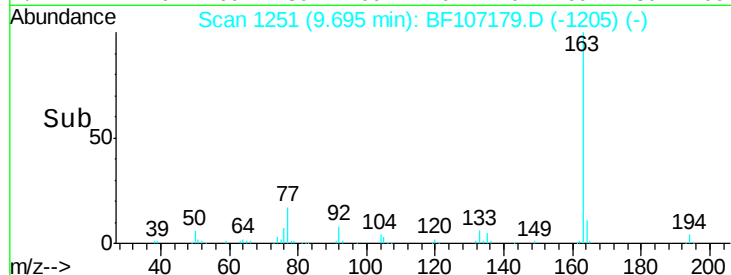
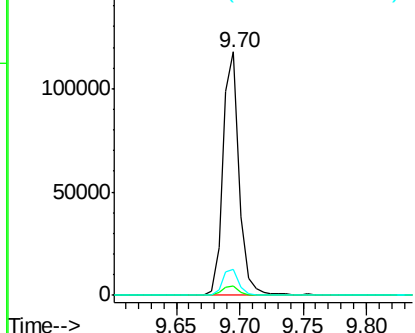
#49
Dimethylphthalate
Concen: 13.630 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Instrument :
BNA_F
ClientSampleId :
BU-03-070318

Tgt Ion:163 Resp: 105120
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.6 8.2 12.2

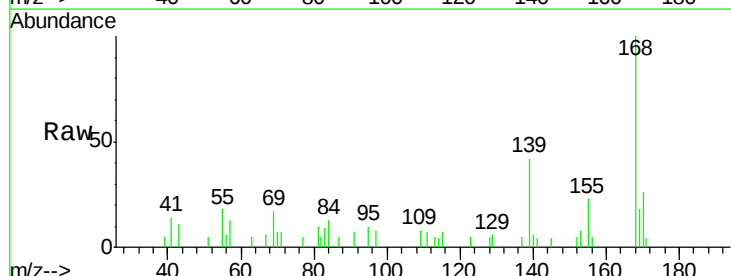


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

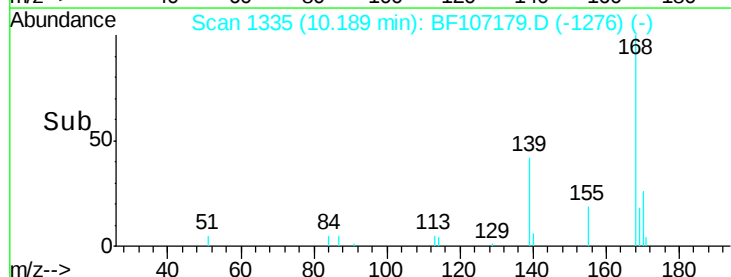
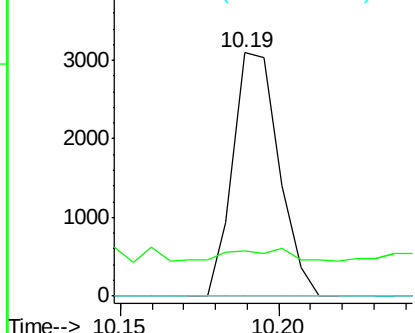


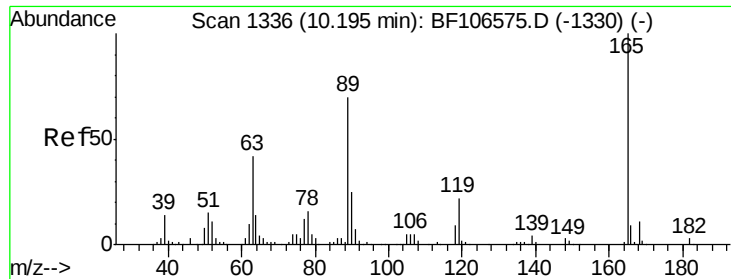
#55
4-Nitrophenol
Concen: 2.375 ng
RT: 10.19 min Scan# 1335
Delta R.T. 0.05 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Tgt Ion:139 Resp: 3116
Ion Ratio Lower Upper
139 100
109 18.7 48.4 88.4#
65 0.0 72.6 112.6#



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

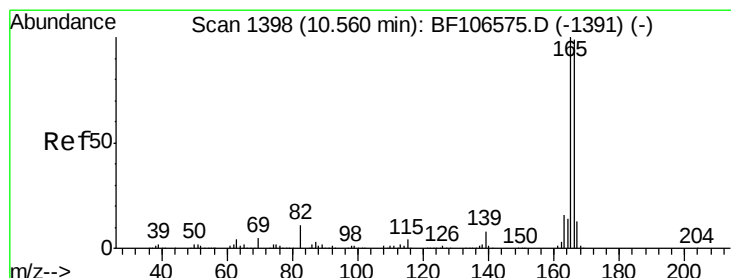
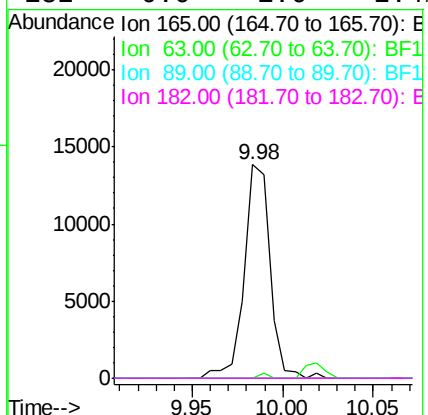
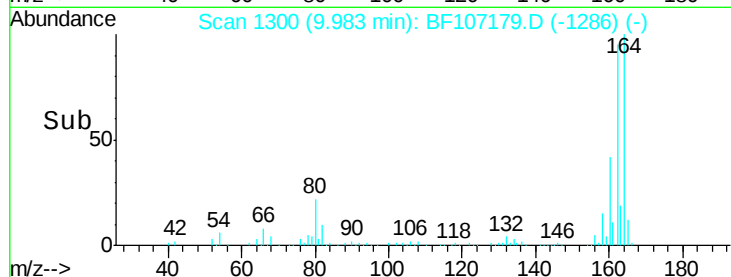
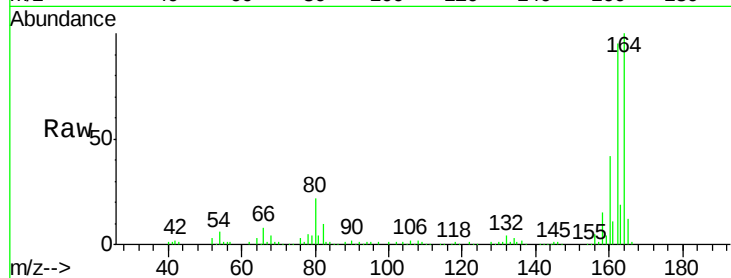




#56
2,4-Dinitrotoluene
Concen: 6.423 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.22 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

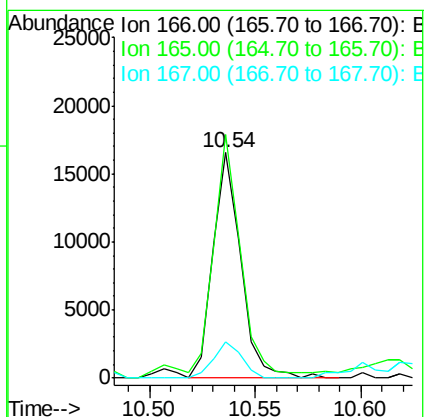
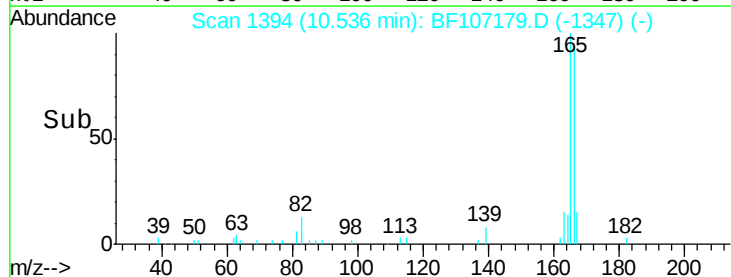
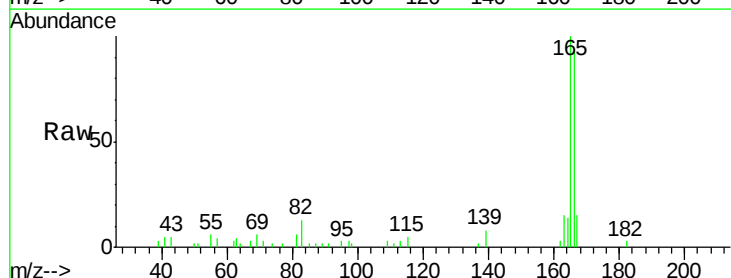
Instrument :
BNA_F
ClientSampleId :
BU-03-070318

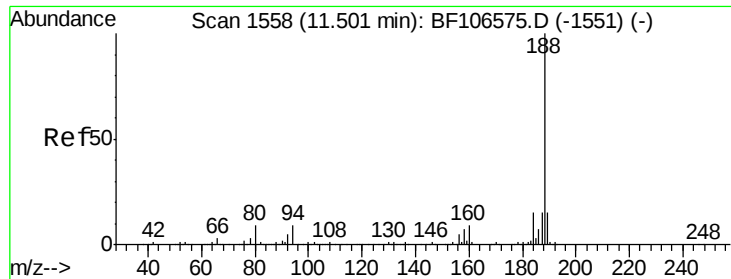
Tgt Ion:	165	Resp:	13693
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 2.192 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Tgt Ion:	166	Resp:	15278
Ion	Ratio	Lower	Upper
166	100		
165	108.0	79.8	119.8
167	16.2	10.6	16.0#

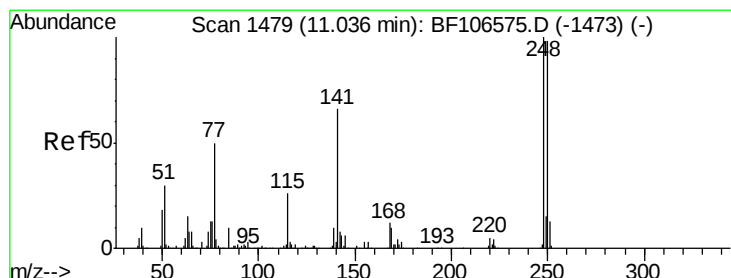
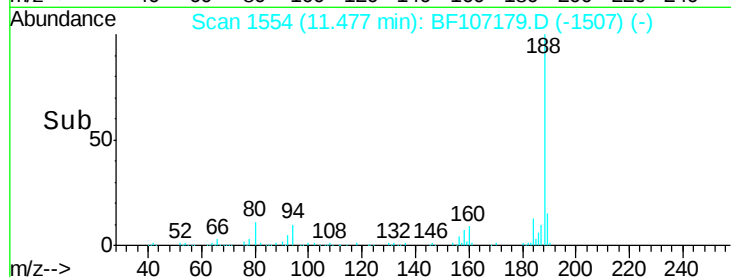
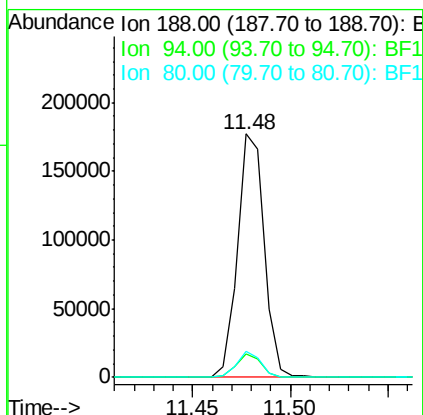
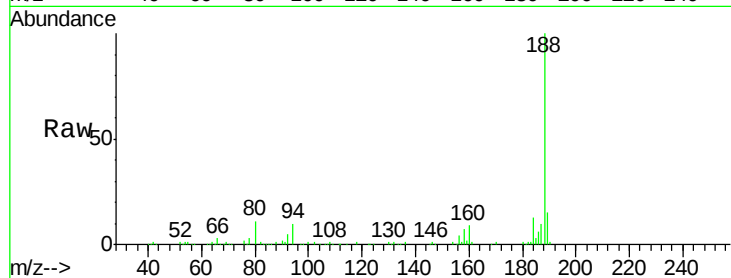




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

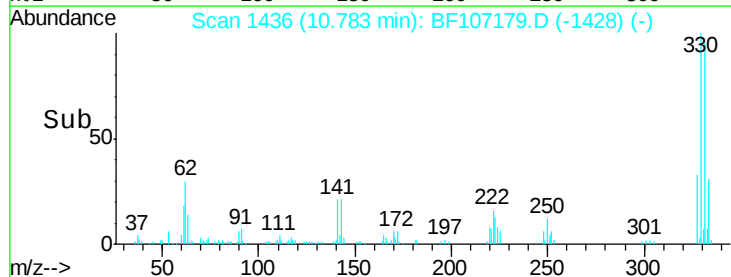
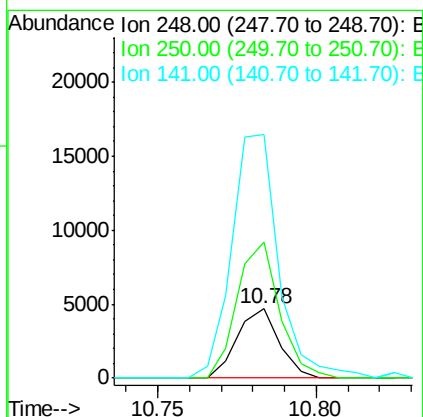
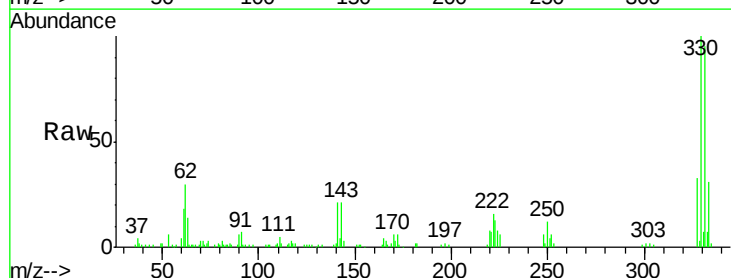
Instrument :
BNA_F
ClientSampleId :
BU-03-070318

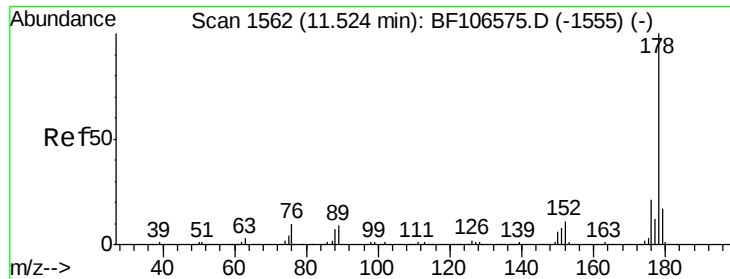
Tgt Ion:188 Resp: 167896
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.139 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Tgt Ion:248 Resp: 4286
Ion Ratio Lower Upper
248 100
250 195.6 76.9 115.3#
141 350.4 74.4 111.6#

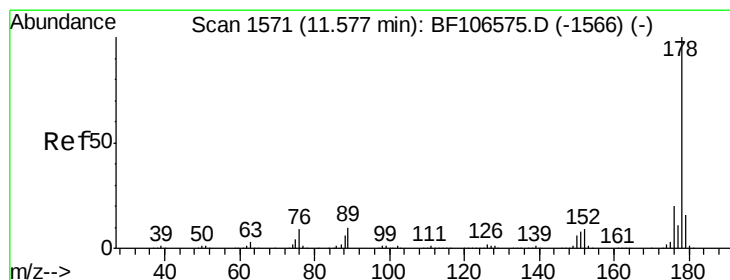
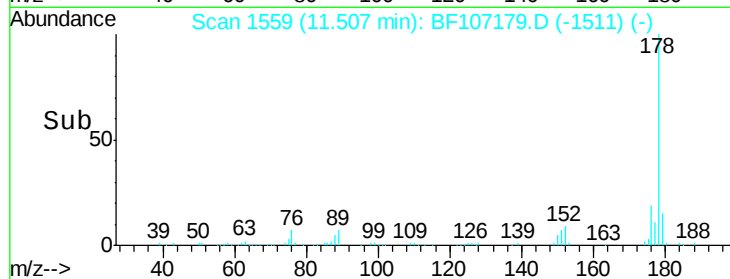
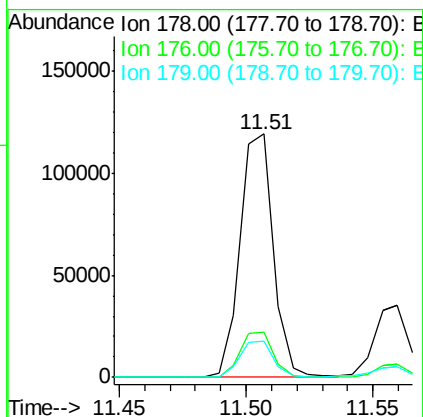
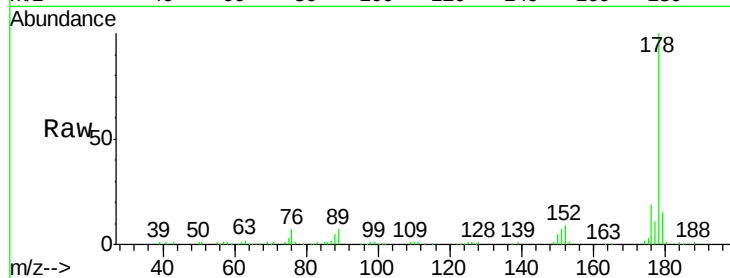




#70
 Phenanthrene
 Concen: 13.470 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

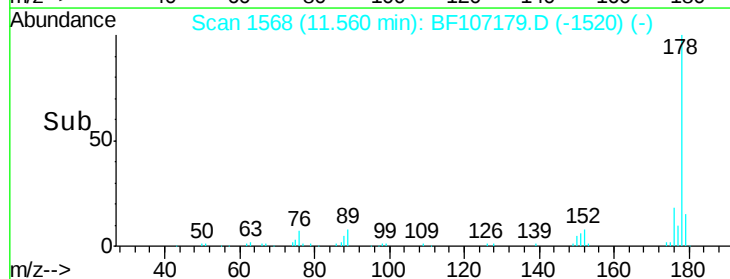
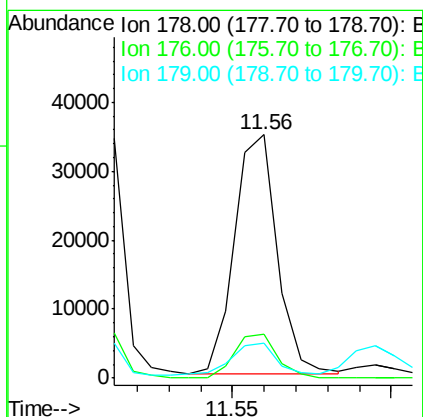
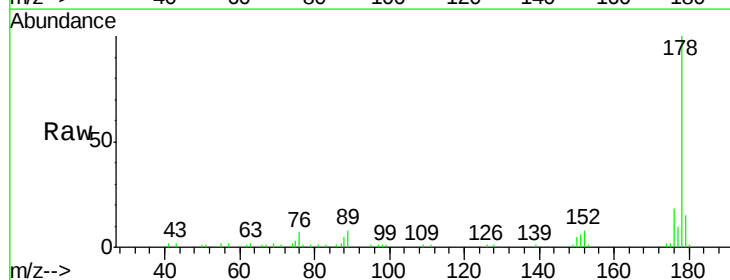
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-070318

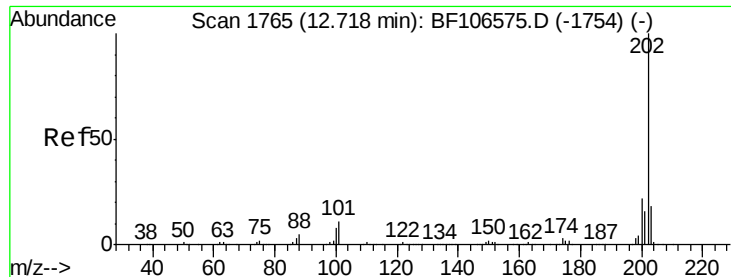
Tgt Ion:178 Resp: 109082
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 14.9 13.0 19.6



#71
 Anthracene
 Concen: 3.914 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

Tgt Ion:178 Resp: 32353
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 14.6 12.6 19.0

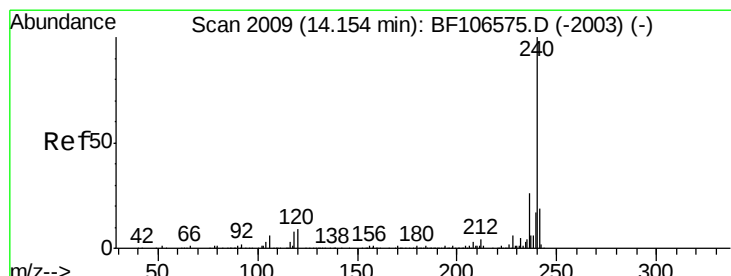
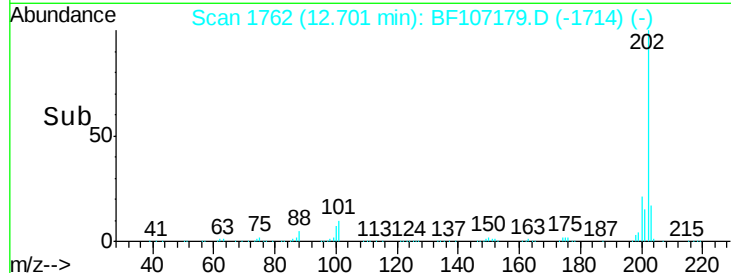
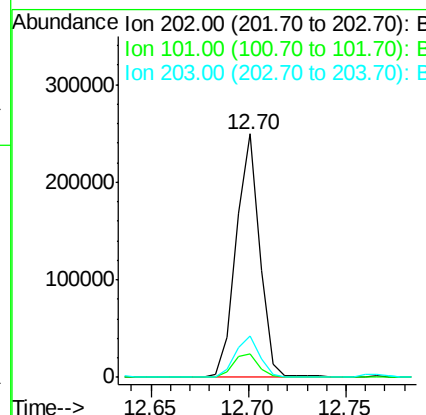
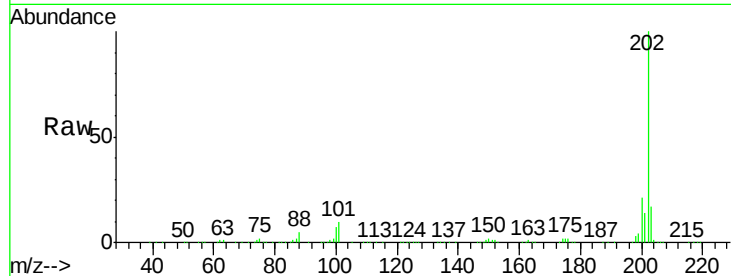




#74
 Fluoranthene
 Concen: 23.394 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

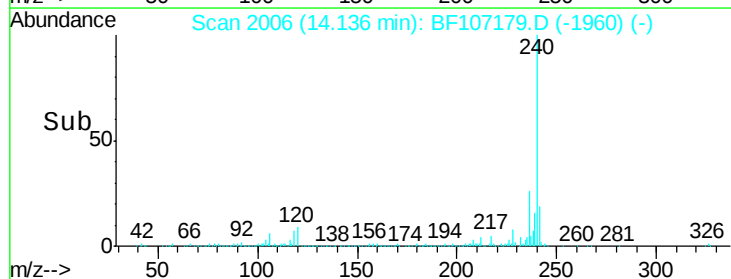
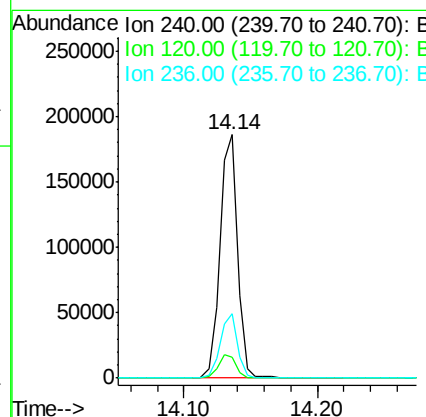
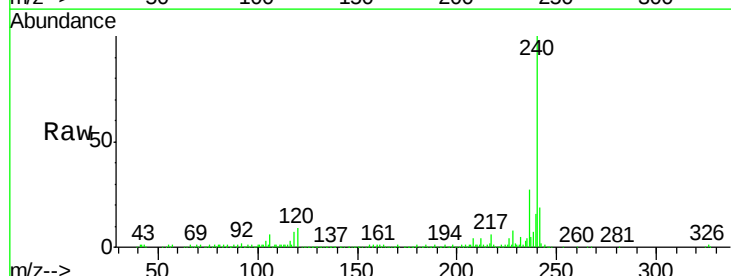
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-070318

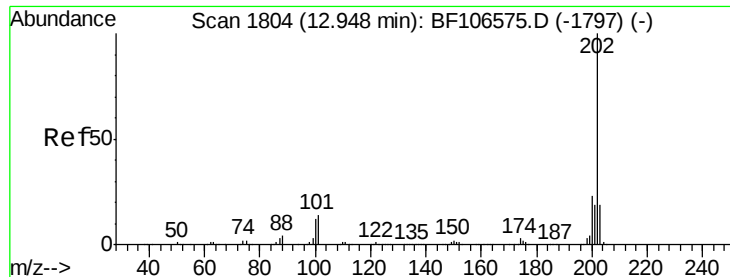
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	17.2	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.03 min
 Lab File: BF107179.D
 Acq: 6 Jul 2018 18:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	26.5	20.7	31.1





#77

Pyrene

Concen: 17.000 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

Instrument :

BNA_F

ClientSampleId :

BU-03-070318

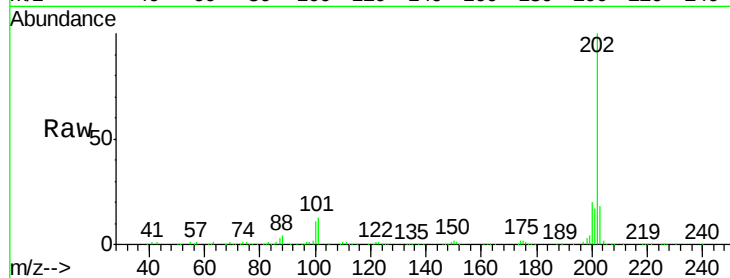
Tgt Ion:202 Resp: 194856

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

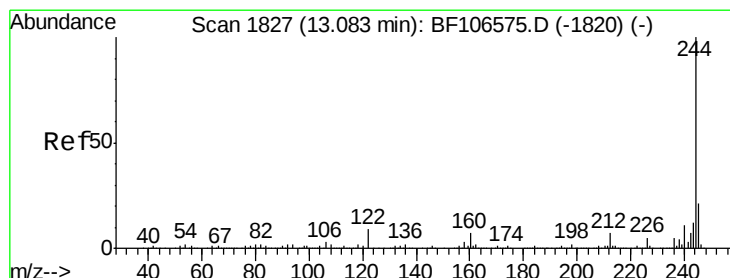
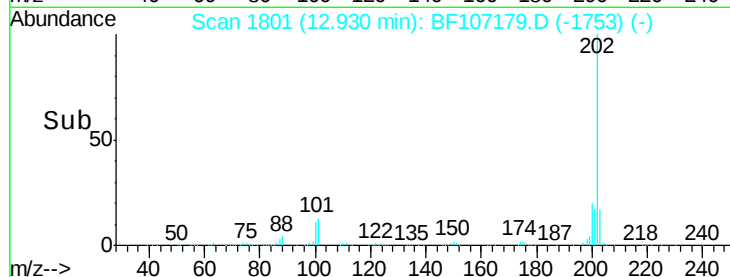
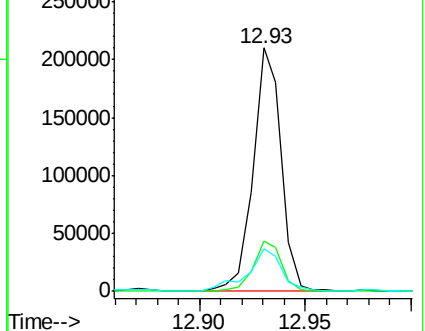
203 17.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.869 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

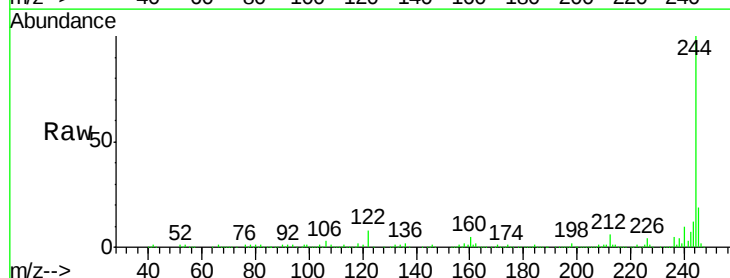
Tgt Ion:244 Resp: 451129

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

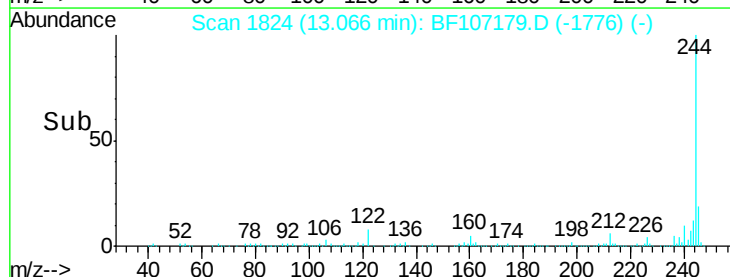
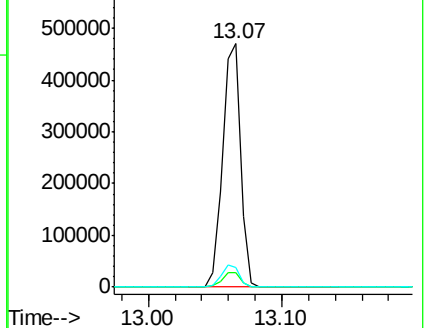
122 7.9 11.0 16.4#

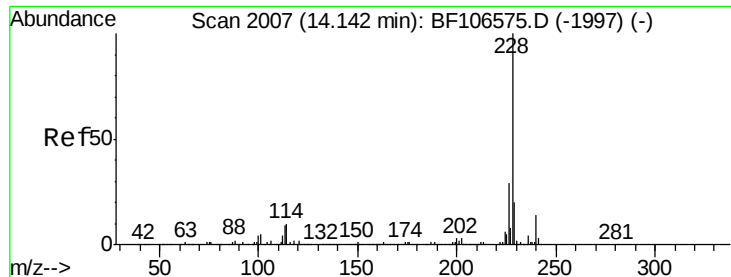


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

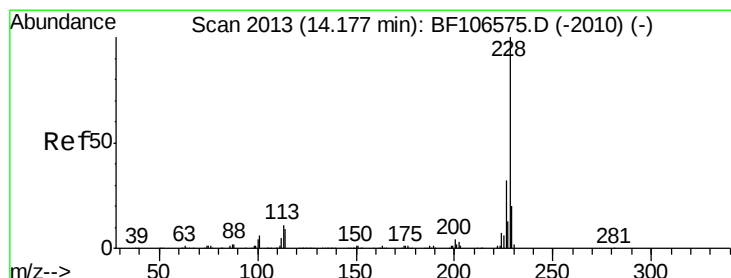
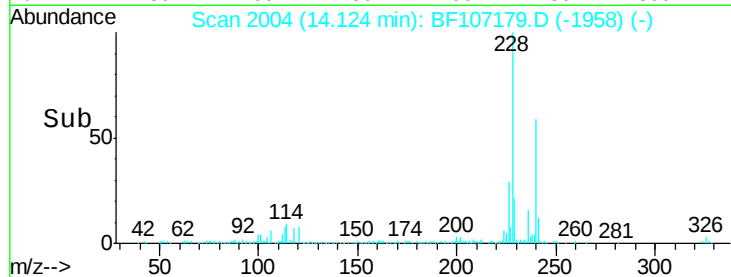
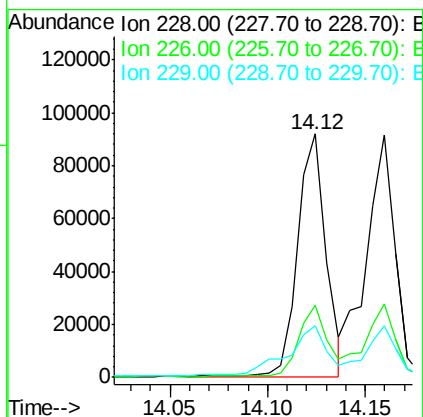
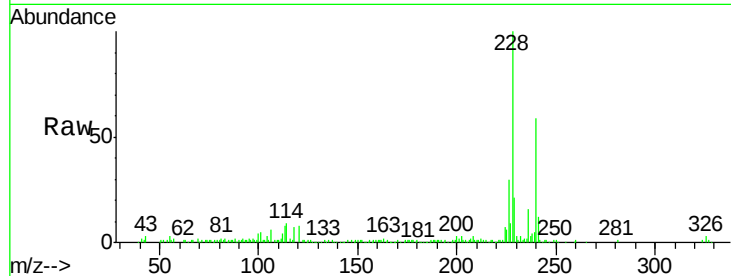




#80
Benzo(a)anthracene
Concen: 8.637 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

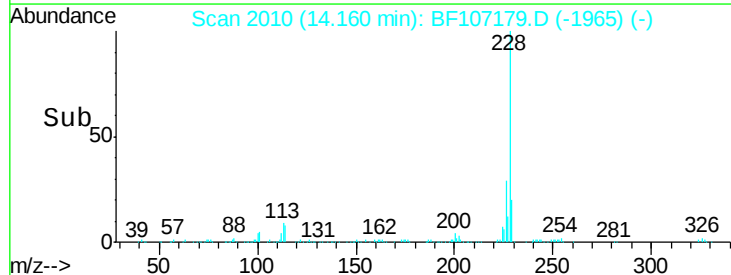
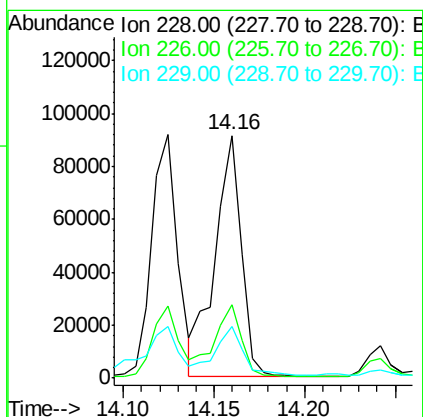
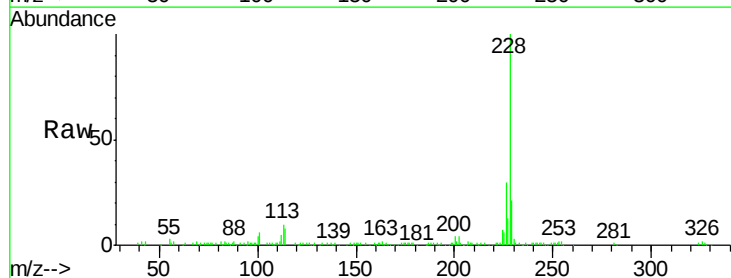
Instrument :
BNA_F
ClientSampleId :
BU-03-070318

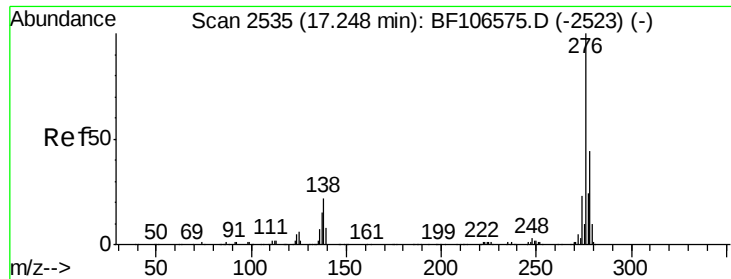
Tgt Ion:228 Resp: 91500
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 21.1 15.8 23.6



#82
Chrysene
Concen: 9.562 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Tgt Ion:228 Resp: 93191
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.1 16.2 24.4

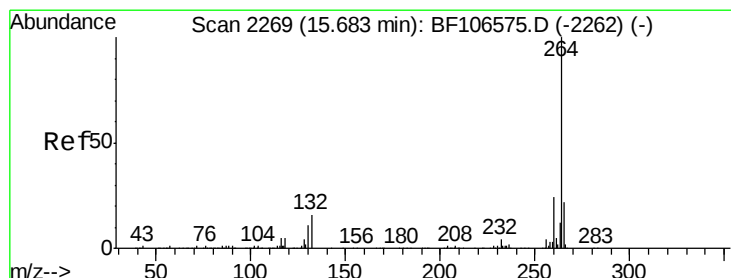
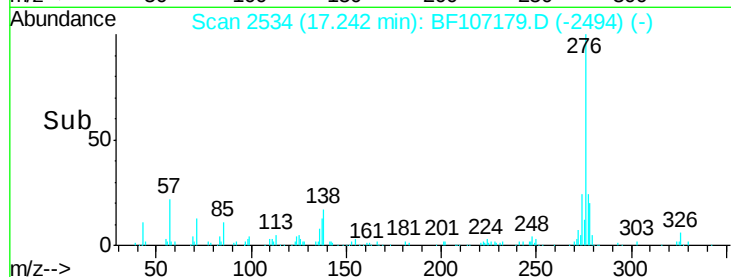
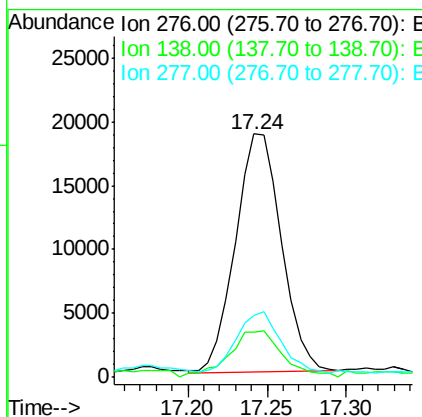
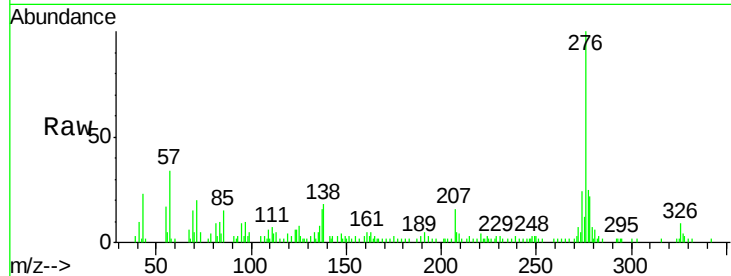




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.539 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.06 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

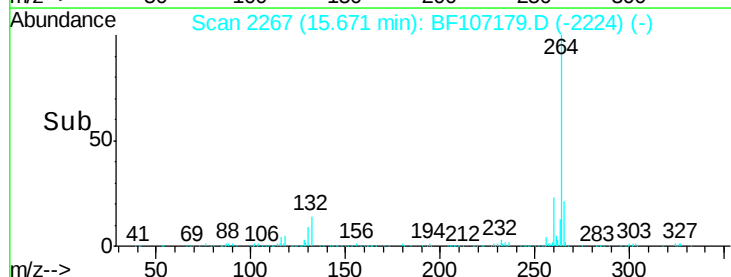
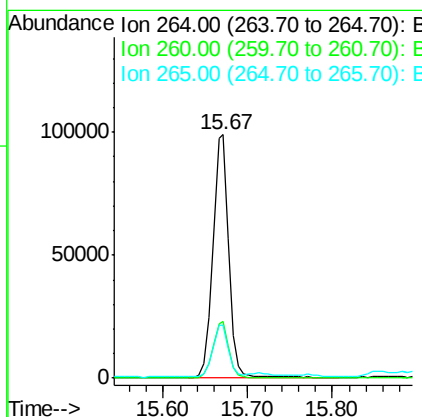
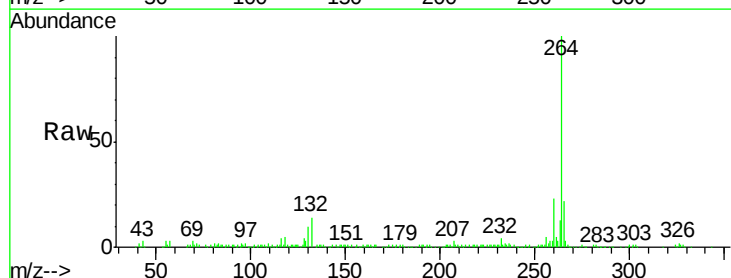
Instrument :
BNA_F
ClientSampleId :
BU-03-070318

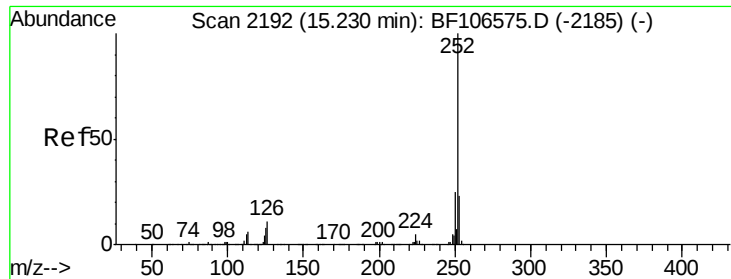
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	25.0	37.6#
277	24.9	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3

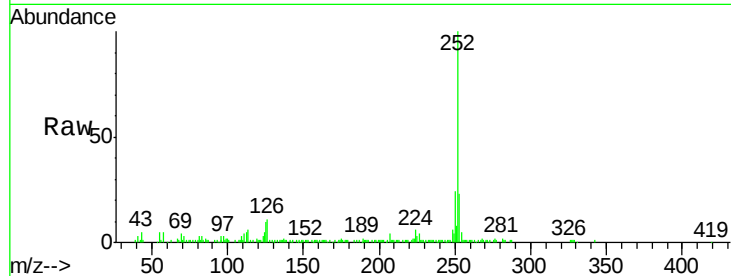




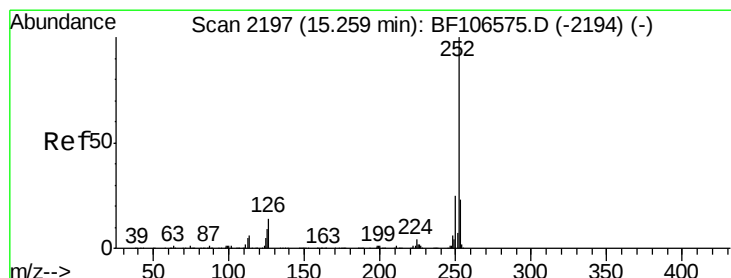
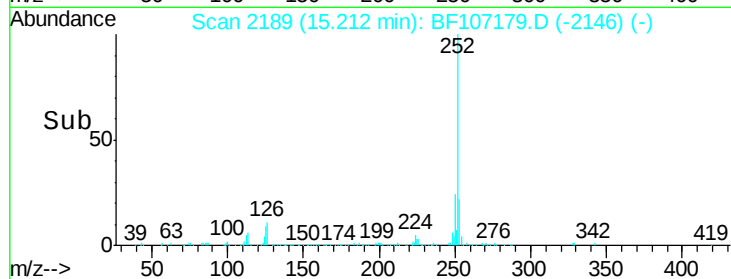
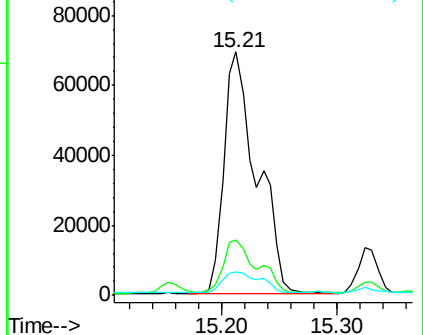
#87
Benzo(b)fluoranthene
Concen: 16.469 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Instrument :
BNA_F
ClientSampleId :
BU-03-070318

Tgt Ion:252 Resp: 137555
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 9.6 9.0 13.6

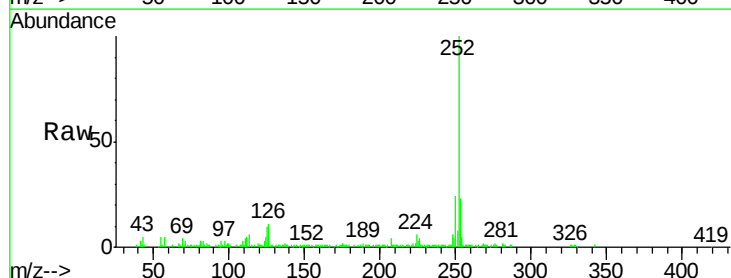


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

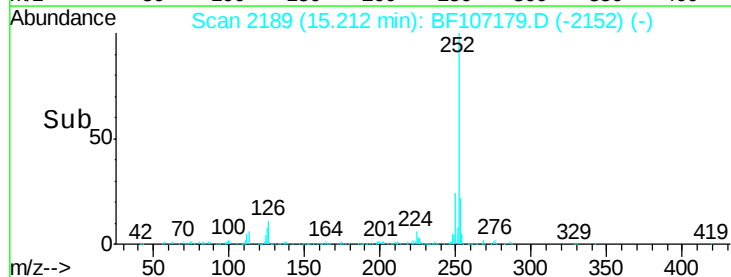
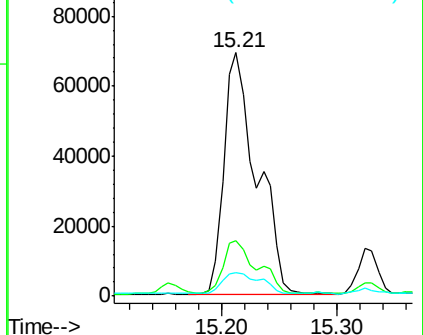


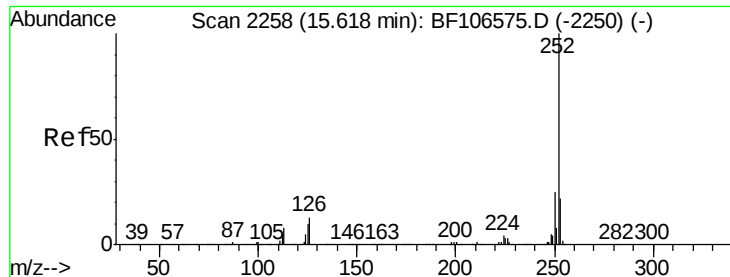
#88
Benzo(k)fluoranthene
Concen: 17.294 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF107179.D
Acq: 6 Jul 2018 18:07

Tgt Ion:252 Resp: 137555
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 9.6 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: 9.081 ng

RT: 15.60 min Scan# 2255

Delta R.T. -0.05 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

Instrument :

BNA_F

ClientSampleId :

BU-03-070318

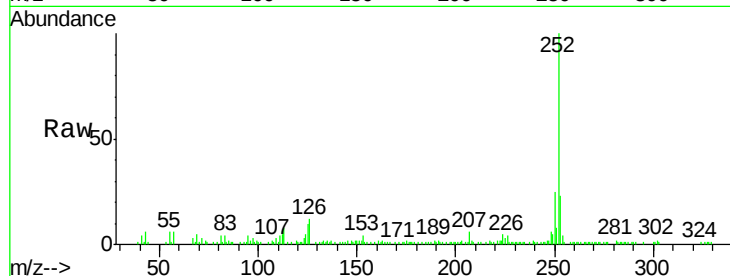
Tgt Ion:252 Resp: 67428

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

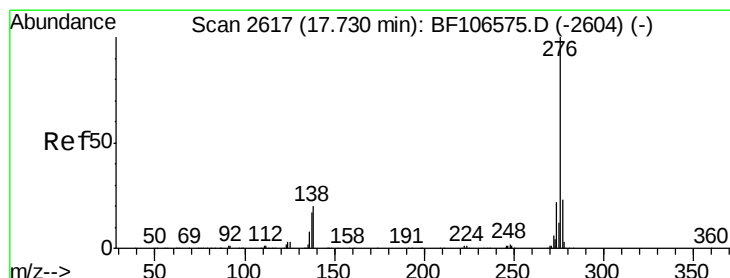
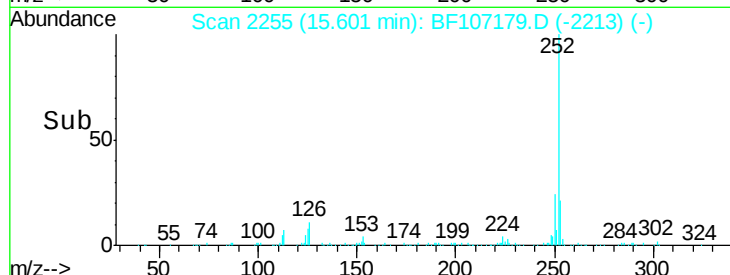
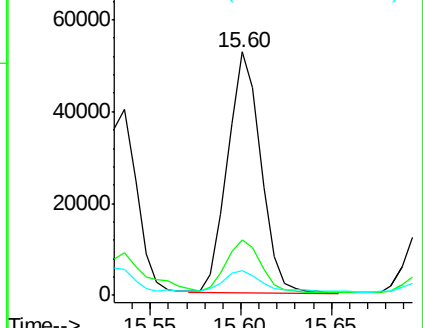
125 10.0 9.8 14.6



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: 6.668 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.06 min

Lab File: BF107179.D

Acq: 6 Jul 2018 18:07

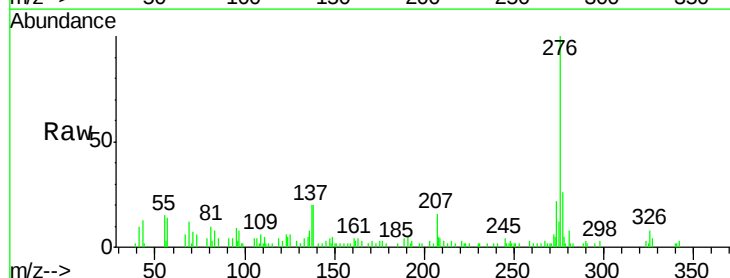
Tgt Ion:276 Resp: 41012

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 19.6 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

