

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107185.D
 Acq On : 6 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J3868-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Quant Time: Jul 06 22:56:10 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

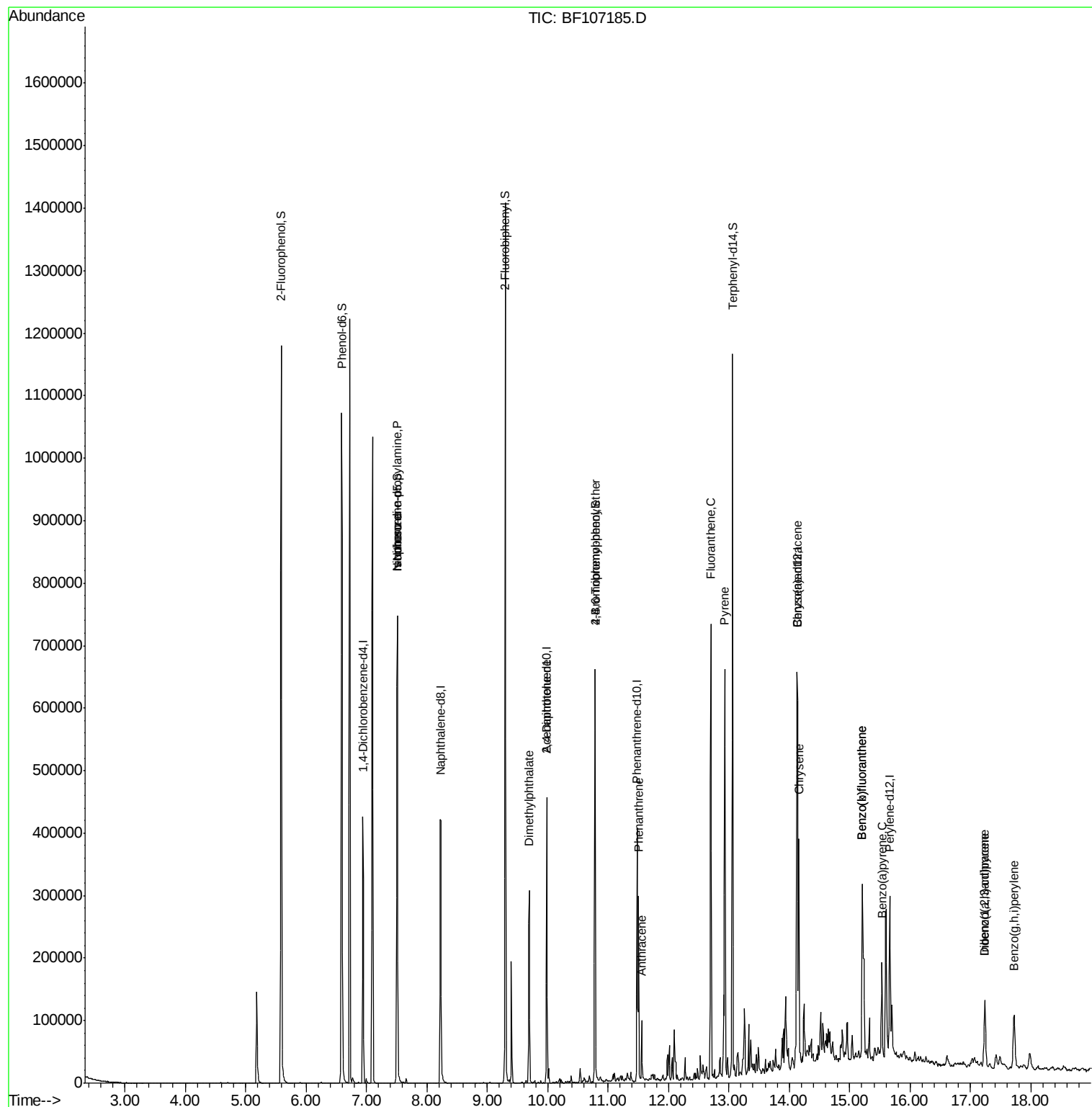
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	61978	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	231831	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	101005	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	164252	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	171798	20.00	ng	-0.03
86) Perylene-d12	15.67	264	131837	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	335943	91.78	ng	-0.01
7) Phenol-d6	6.59	99	423358	92.62	ng	-0.02
23) Nitrobenzene-d5	7.51	82	261502	62.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	95835	81.86	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	454694	74.35	ng	-0.02
78) Terphenyl-d14	13.06	244	428728	60.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	33383	11.080	ng	Qvalue # 73
25) Isophorone	7.51	82	261500	35.573	ng	# 64
49) Dimethylphthalate	9.70	163	131286	17.330	ng	# 99
56) 2,4-Dinitrotoluene	9.98	165	12955	6.187	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	5905	3.012	ng	# 1
70) Phenanthrene	11.51	178	119867	15.131	ng	97
71) Anthracene	11.56	178	44978	5.562	ng	96
74) Fluoranthene	12.70	202	284142	32.541	ng	95
77) Pyrene	12.93	202	276378	24.396	ng	99
80) Benzo(a)anthracene	14.12	228	154730	14.778	ng	99
82) Chrysene	14.16	228	125207	12.998	ng	96
85) Indeno(1,2,3-cd)pyrene	17.24	276	72237	8.837	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	228024	27.843	ng	# 97
88) Benzo(k)fluoranthene	15.21	252	228024	29.238	ng	# 96
89) Benzo(a)pyrene	15.53	252	75269	10.339	ng	98
90) Dibenzo(a,h)anthracene	17.24	278	16619	2.693	ng	95
91) Benzo(g,h,i)perylene	17.72	276	76822	12.738	ng	# 90

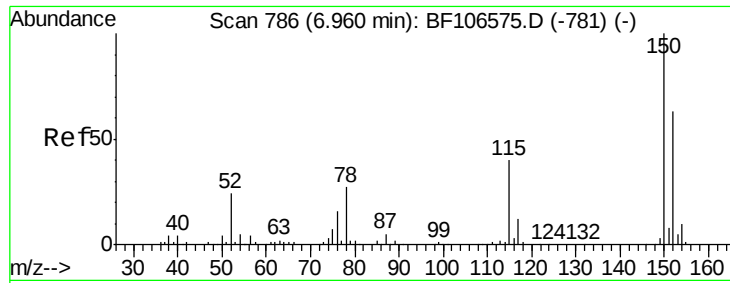
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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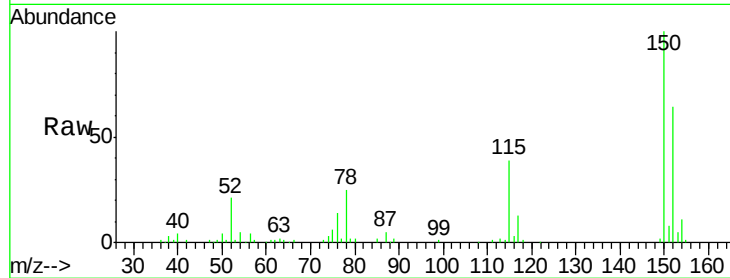




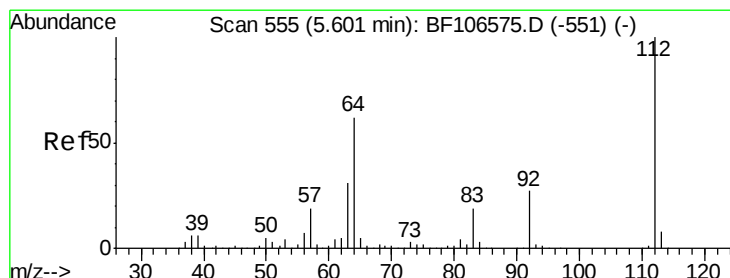
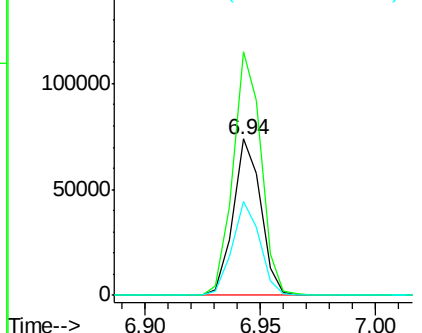
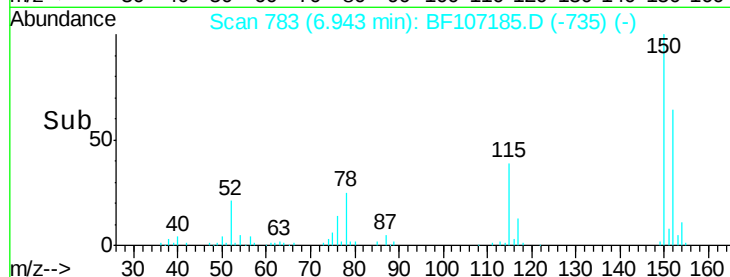
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Tgt Ion:152 Resp: 61978
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.6 186.8
 115 60.4 50.1 75.1

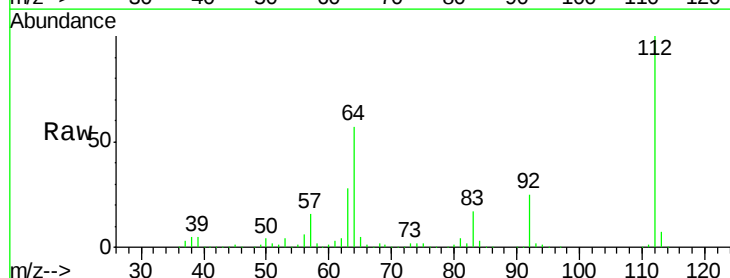


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

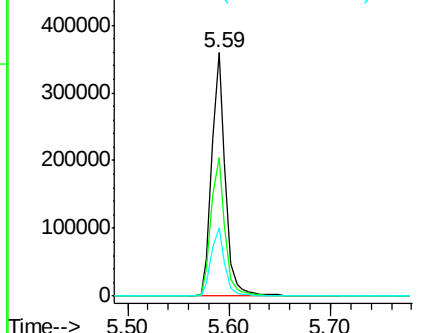
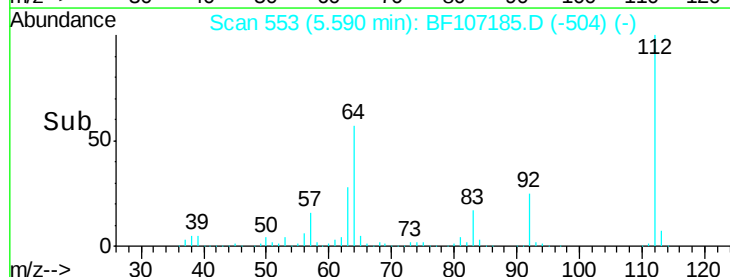


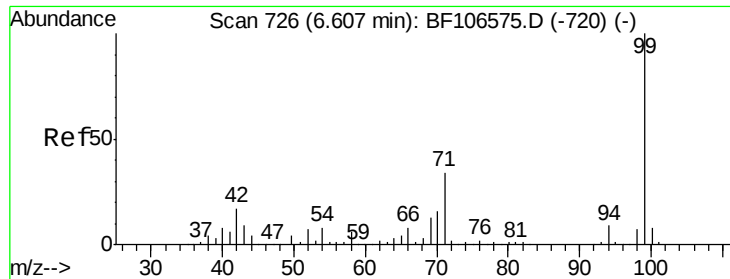
#5
 2-Fluorophenol
 Concen: 91.784 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Tgt Ion:112 Resp: 335943
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.9 71.9
 63 28.1 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: 92.622 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampled :

TP-7-D

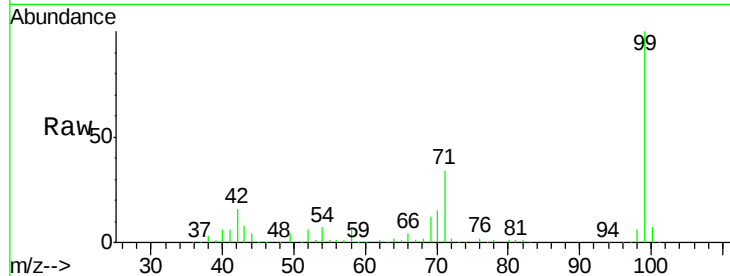
Tgt Ion: 99 Resp: 423358

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

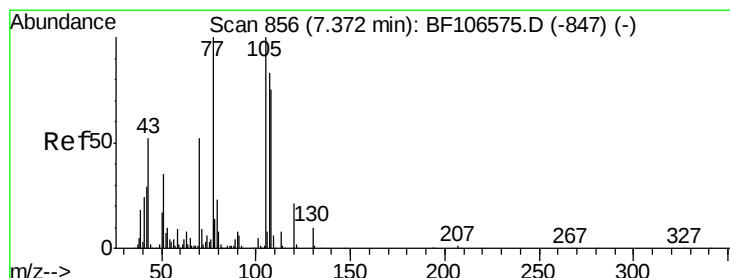
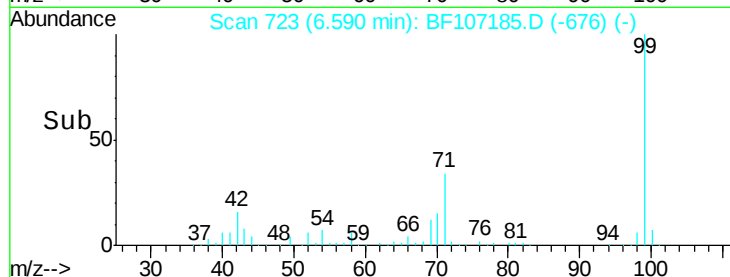
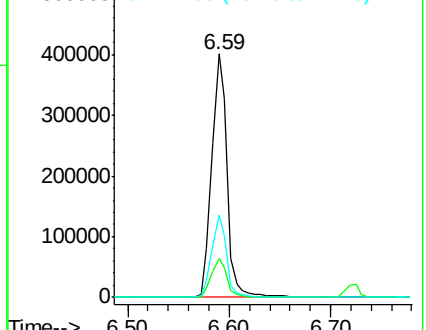
71 34.0 25.4 38.0



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: 11.080 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Tgt Ion: 70 Resp: 33383

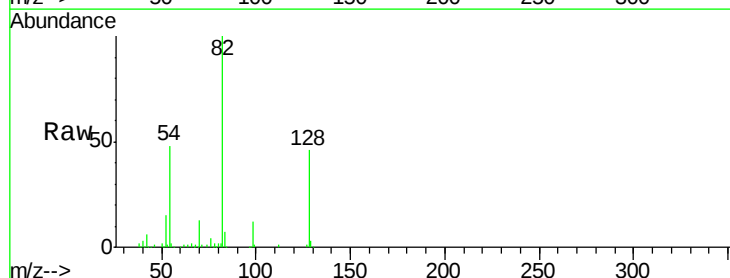
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

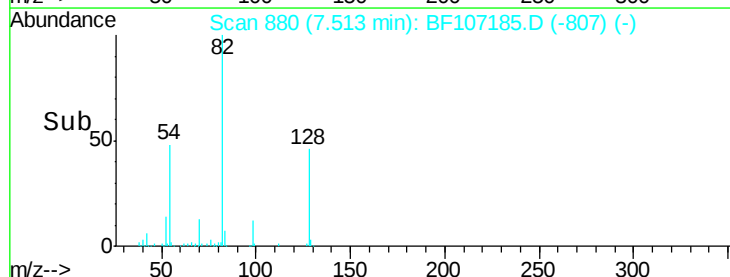
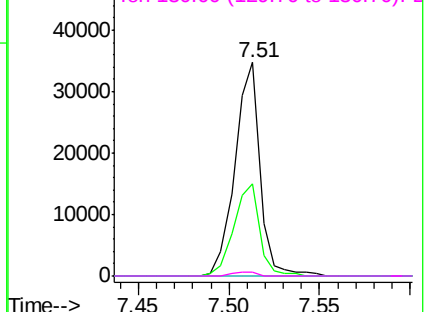


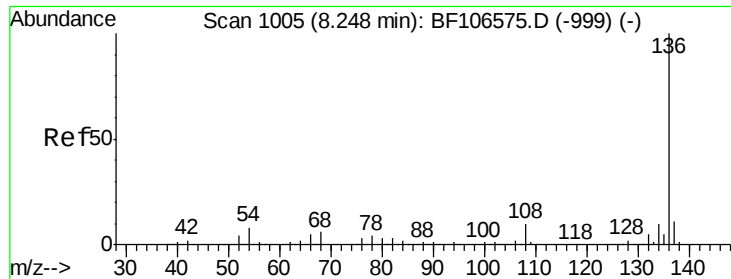
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

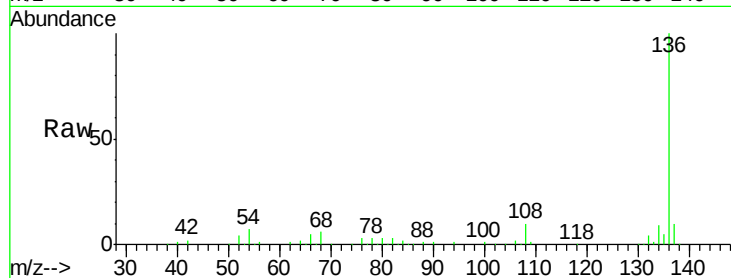




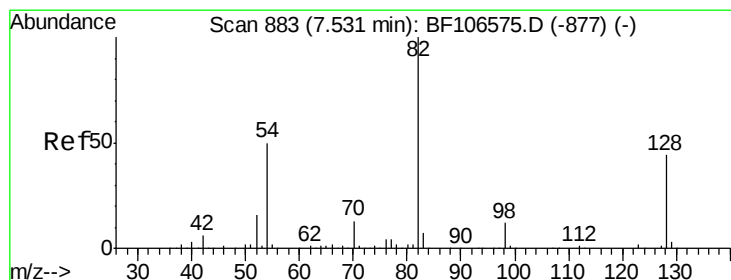
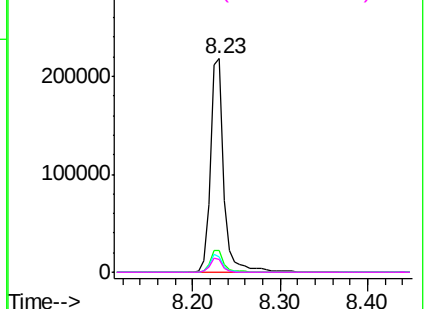
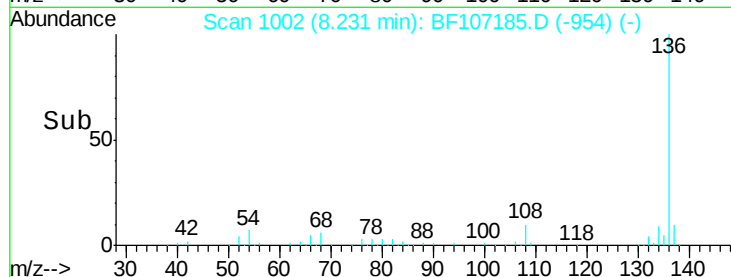
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tgt Ion: 136 Resp: 231831
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 7.2 6.6 9.8
68 5.8 5.0 7.4

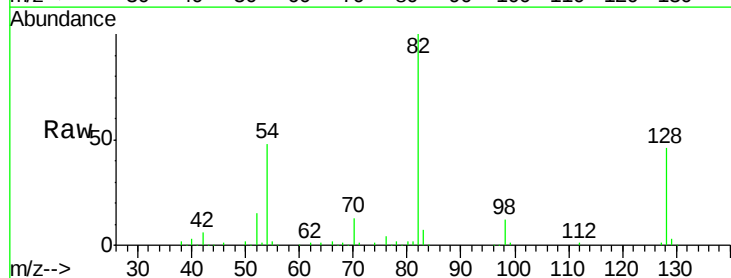


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

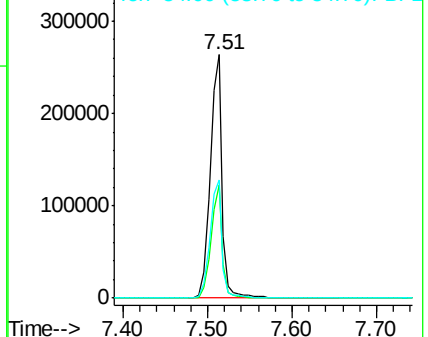
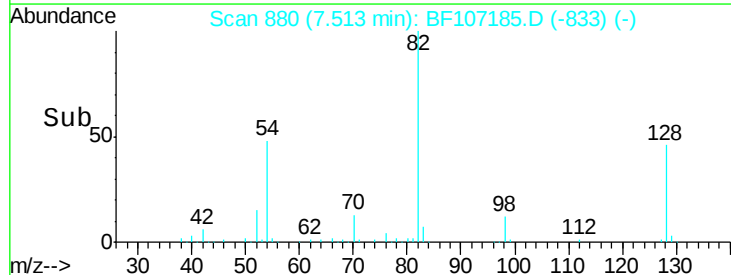


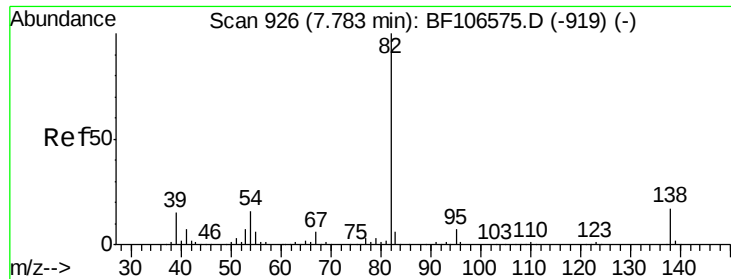
#23
Nitrobenzene-d5
Concen: 62.686 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion: 82 Resp: 261502
Ion Ratio Lower Upper
82 100
128 46.4 36.1 54.1
54 48.4 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: 35.573 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-7-D

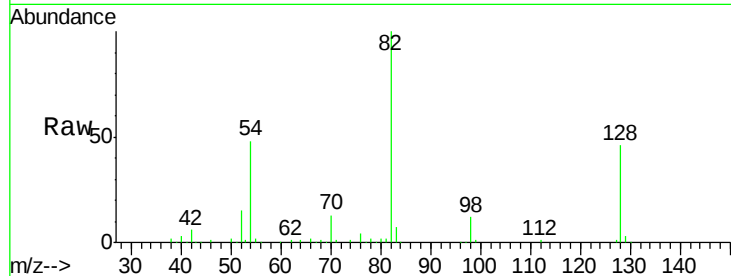
Tgt Ion: 82 Resp: 261500

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

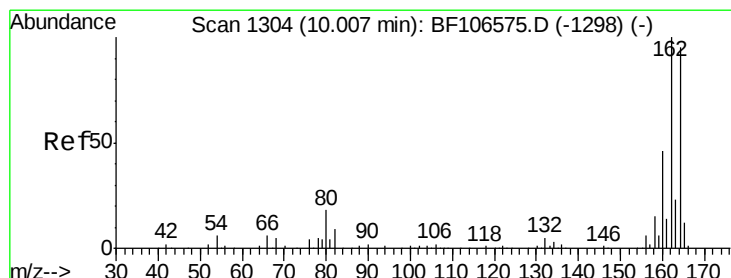
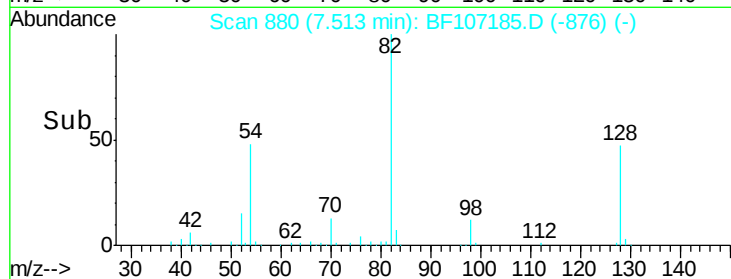
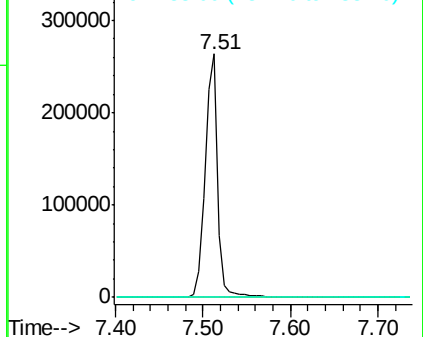
138 0.0 14.9 22.3#



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: BF107185.D

Acq: 6 Jul 2018 20:46

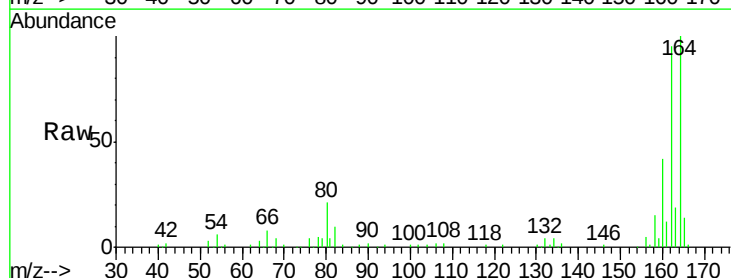
Tgt Ion: 164 Resp: 101005

Ion Ratio Lower Upper

164 100

162 95.2 86.1 129.1

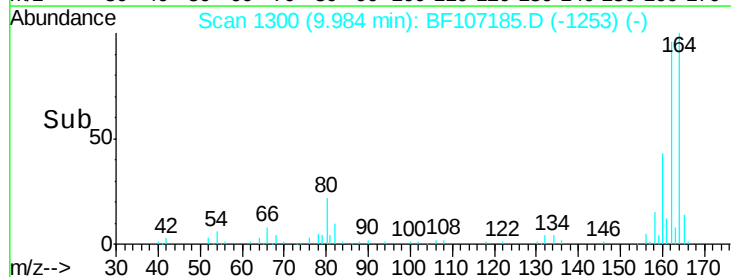
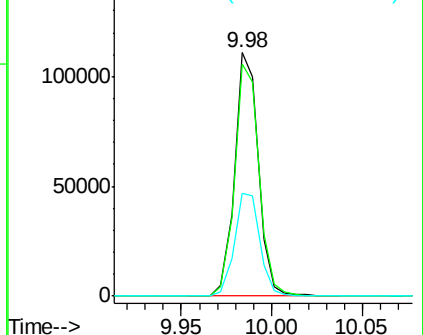
160 42.3 38.3 57.5

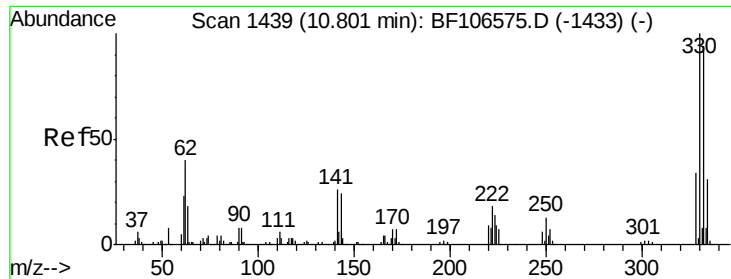


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

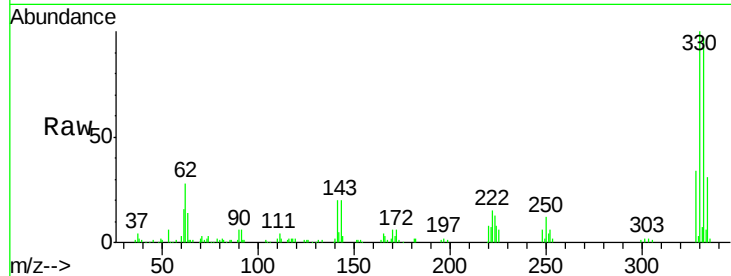




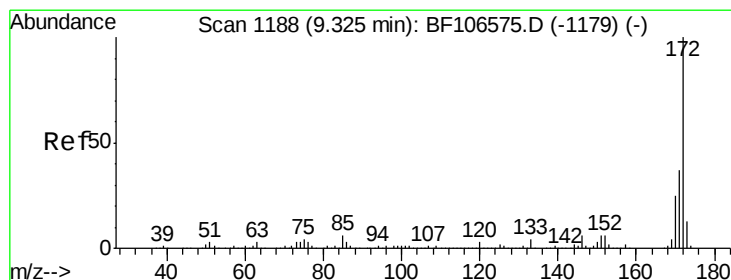
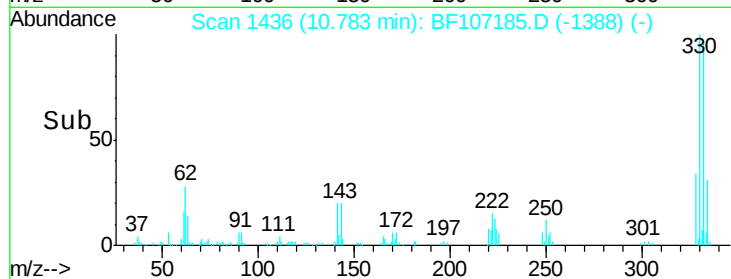
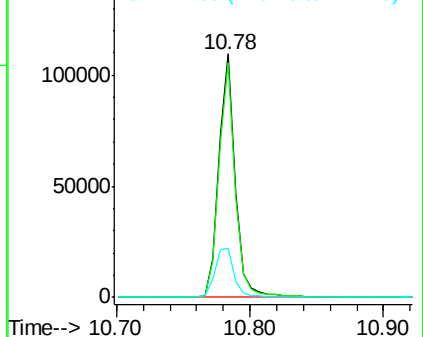
#41
 2,4,6-Tribromophenol
 Concen: 81.863 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :
 TP-7-D

Tgt Ion:330 Resp: 95835
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 23.5 29.9 44.9#

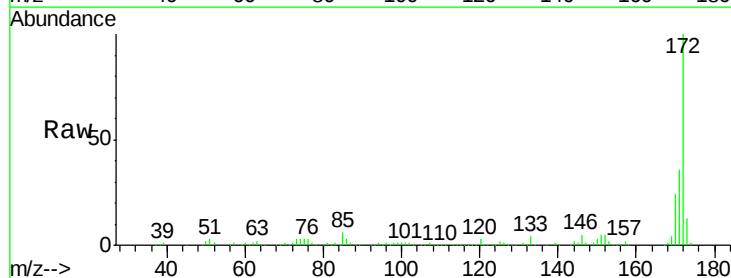


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

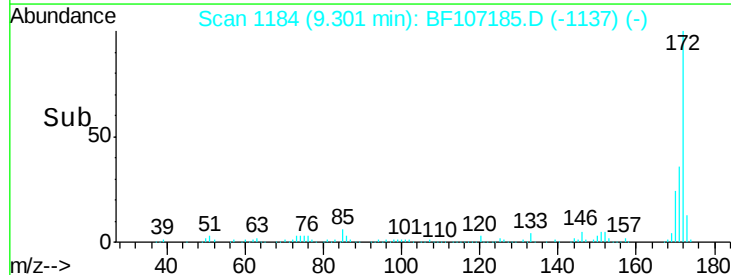
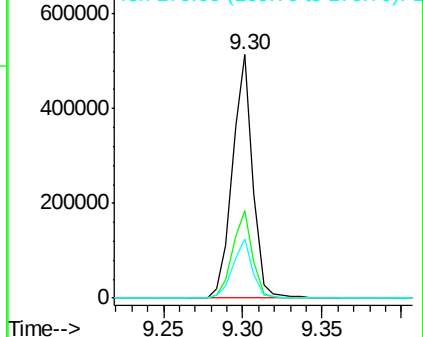


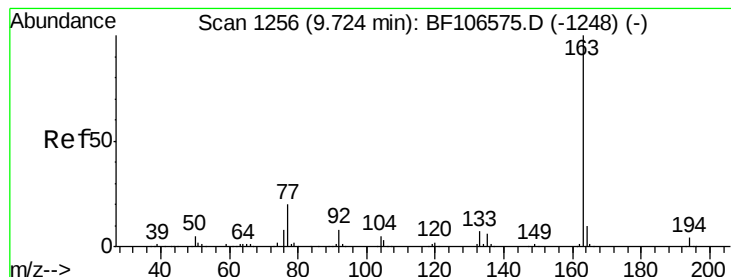
#44
 2-Fluorobiphenyl
 Concen: 74.348 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Tgt Ion:172 Resp: 454694
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.2 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: 17.330 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-7-D

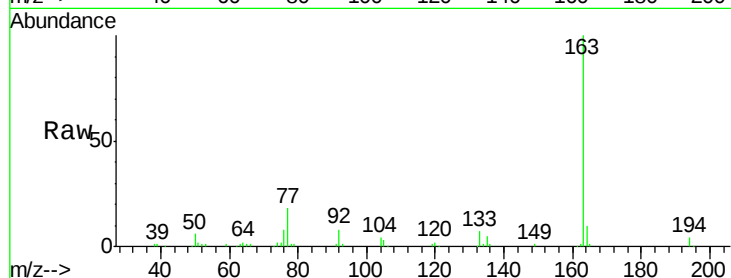
Tgt Ion:163 Resp: 131286

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

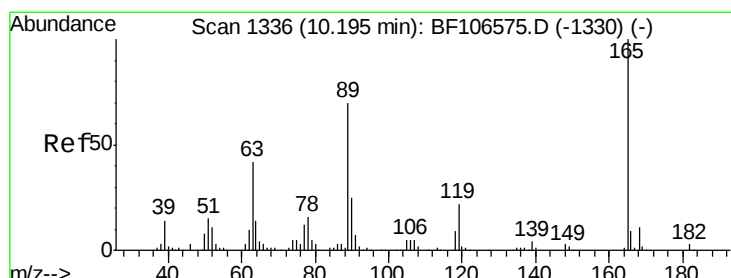
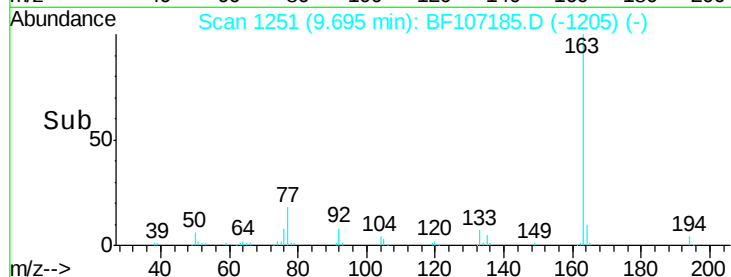
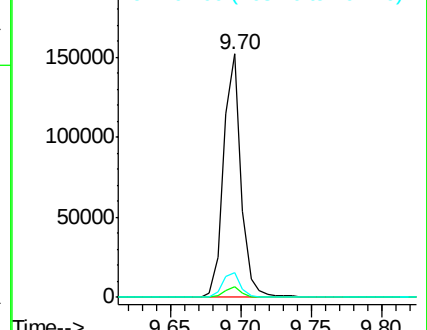
164 10.3 8.2 12.2



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: 6.187 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.22 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Tgt Ion:165 Resp: 12955

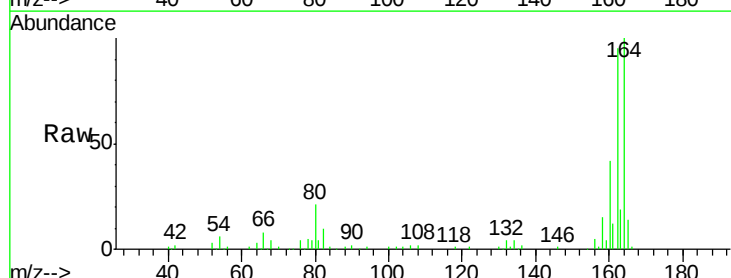
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

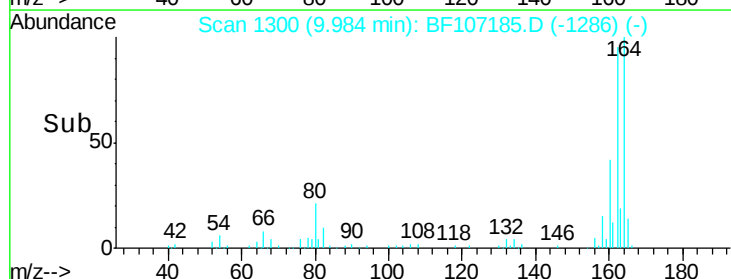
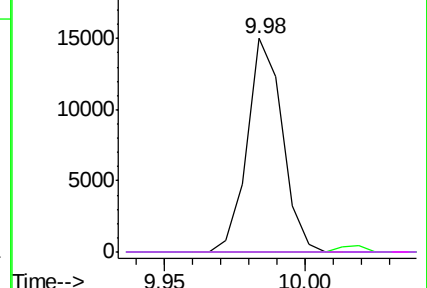


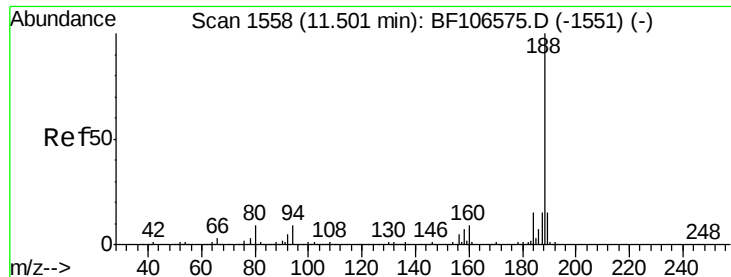
Abundance Ion 165.00 (164.70 to 165.70): E

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

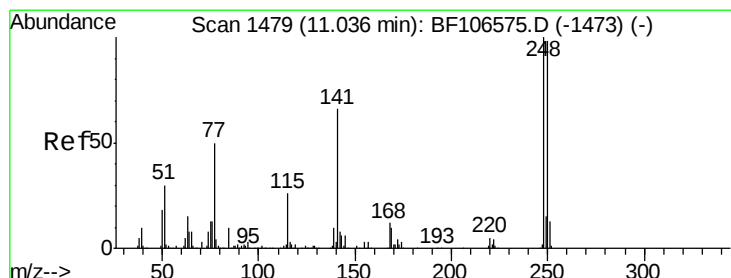
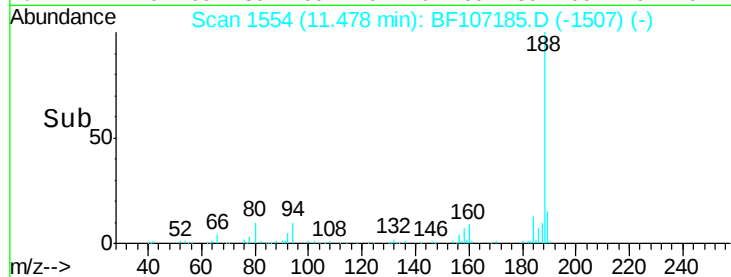
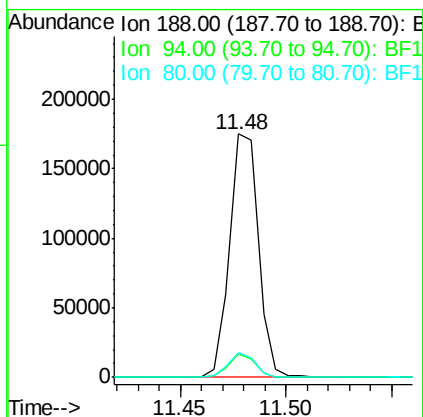
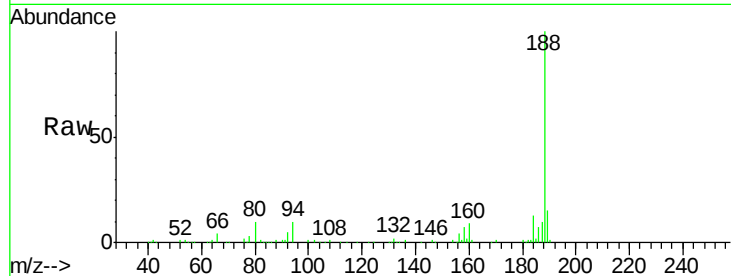




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

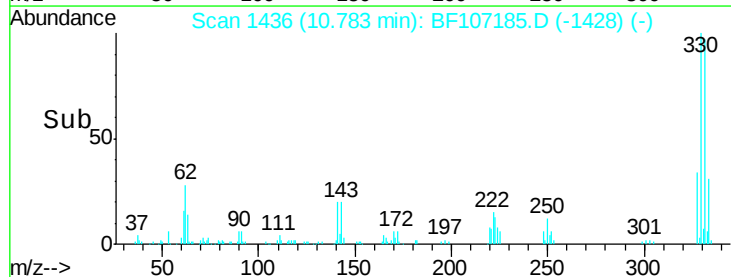
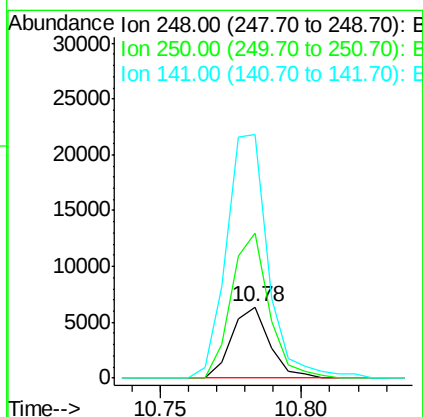
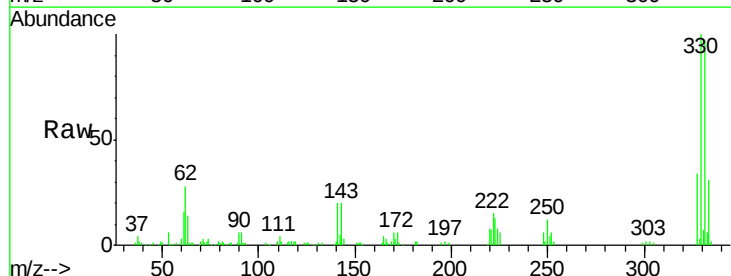
Instrument :
BNA_F
ClientSampleId :
TP-7-D

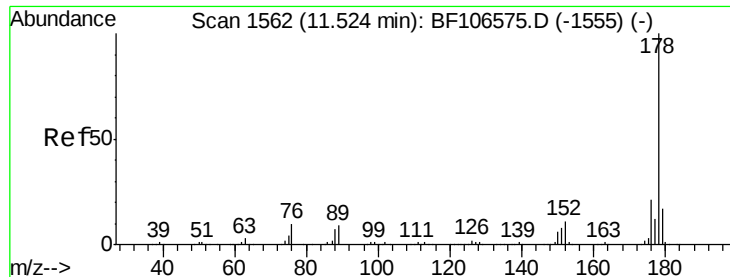
Tgt Ion:188 Resp: 164252
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.012 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion:248 Resp: 5905
Ion Ratio Lower Upper
248 100
250 204.6 76.9 115.3#
141 343.3 74.4 111.6#

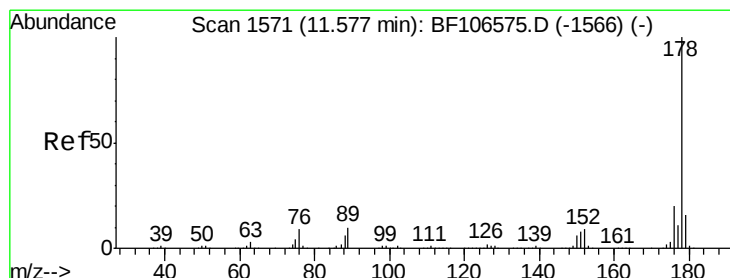
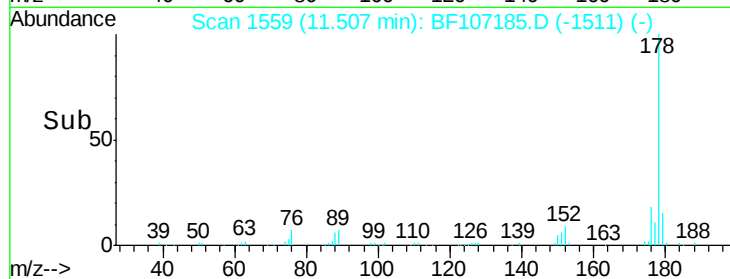
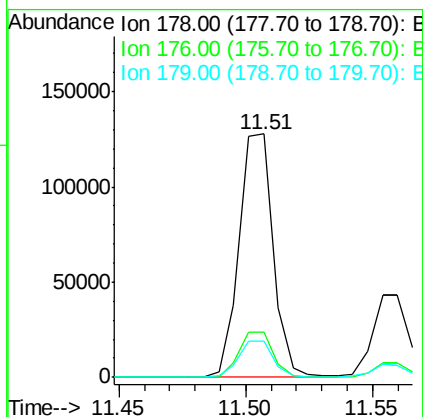
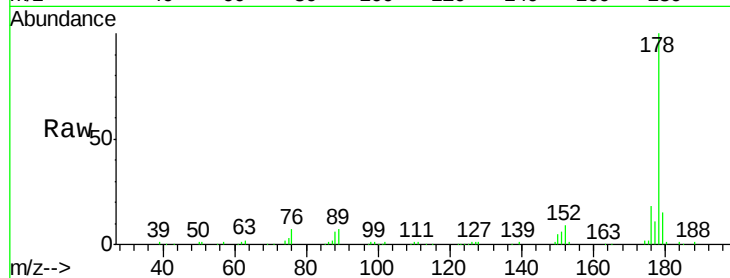




#70
 Phenanthrene
 Concen: 15.131 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

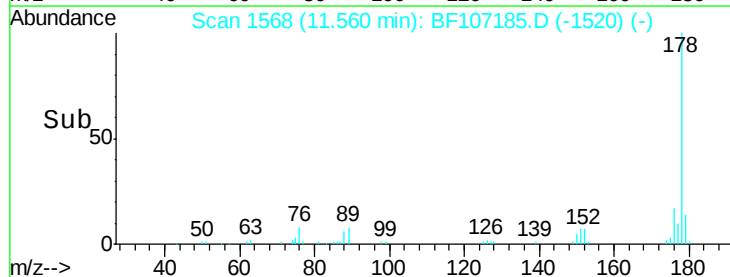
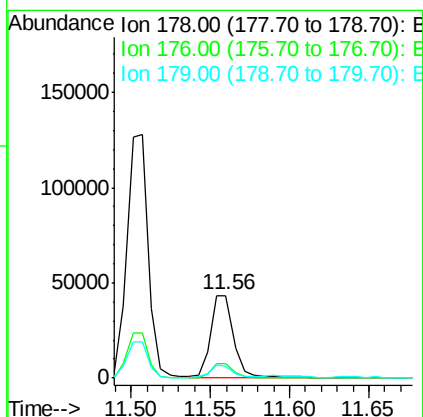
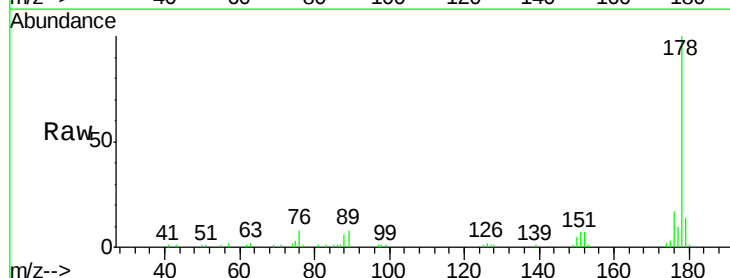
Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

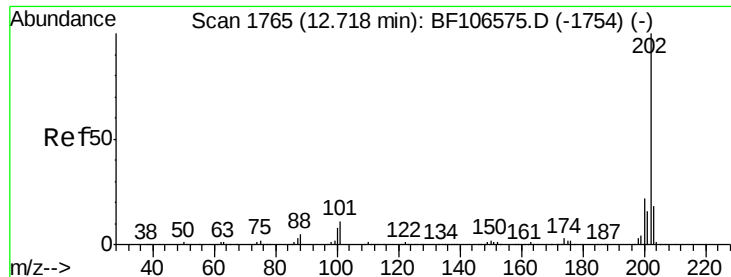
Tgt Ion:178 Resp: 119867
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.8 13.0 19.6



#71
 Anthracene
 Concen: 5.562 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Tgt Ion:178 Resp: 44978
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.2
 179 14.5 12.6 19.0





#74

Fluoranthene

Concen: 32.541 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-7-D

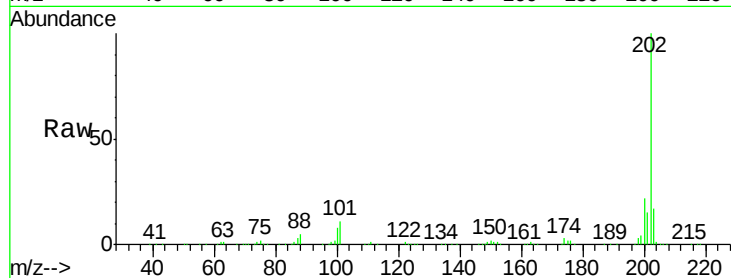
Tgt Ion: 202 Resp: 284142

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

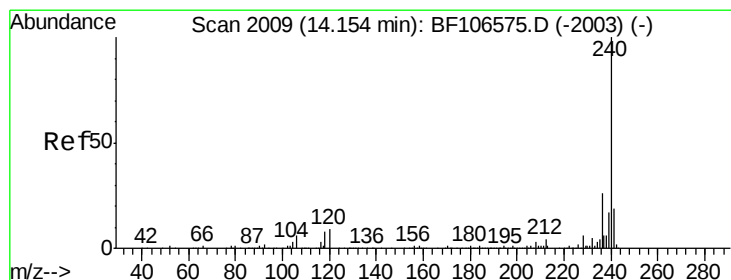
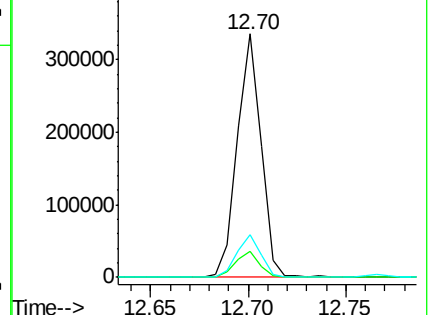
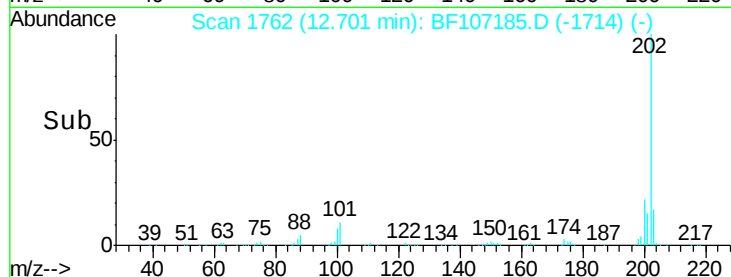
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

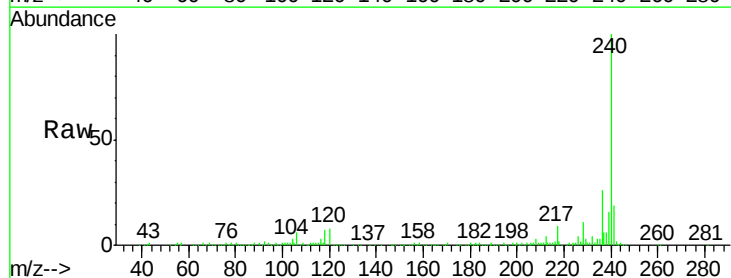
Tgt Ion: 240 Resp: 171798

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

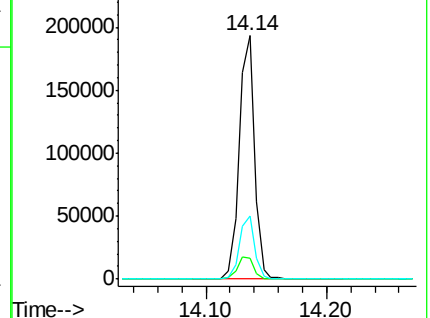
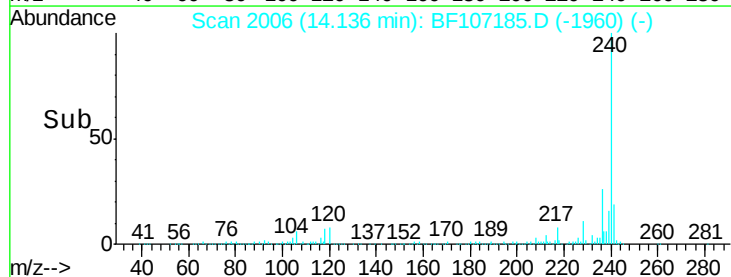
236 26.1 20.7 31.1

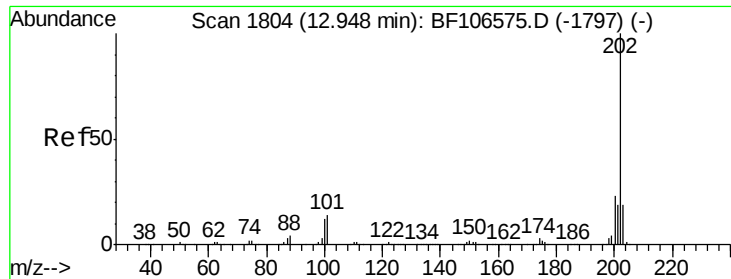


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

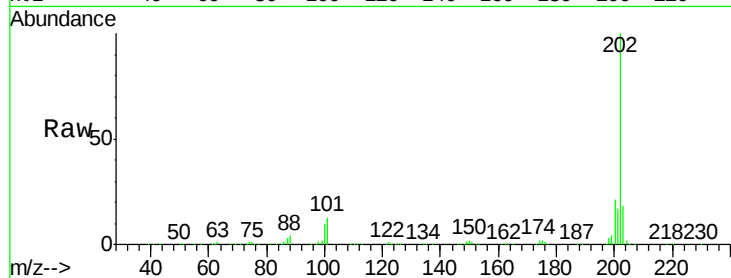




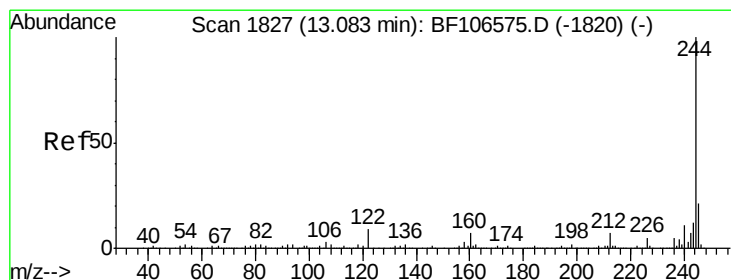
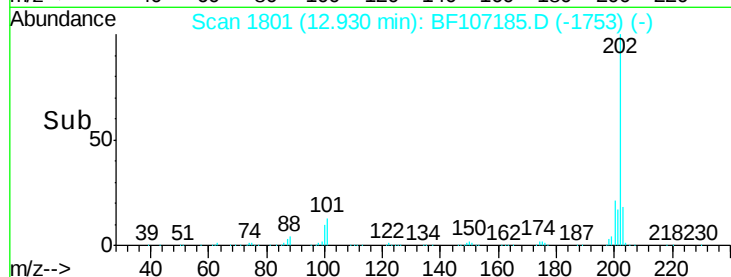
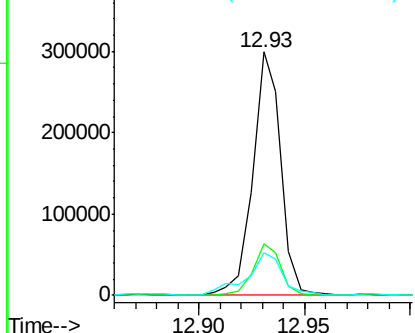
#77
Pyrene
Concen: 24.396 ng
RT: 12.93 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tgt Ion: 202 Resp: 276378
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.7 14.3 21.5

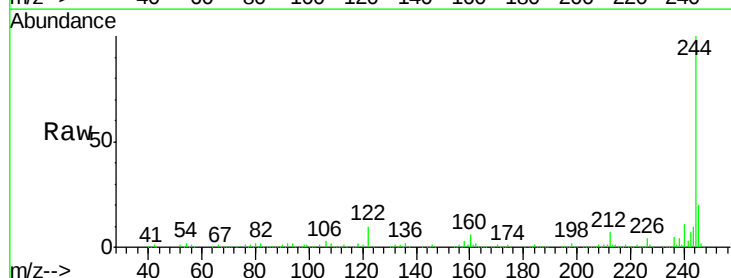


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

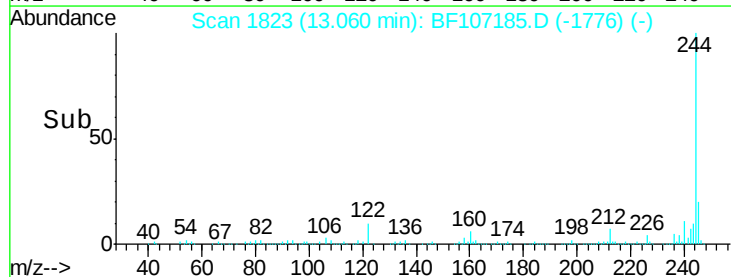
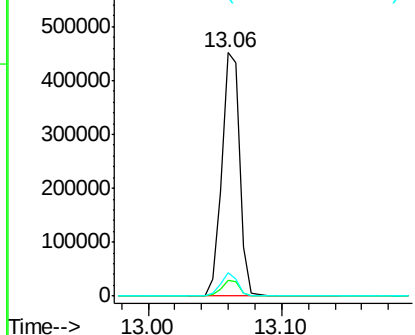


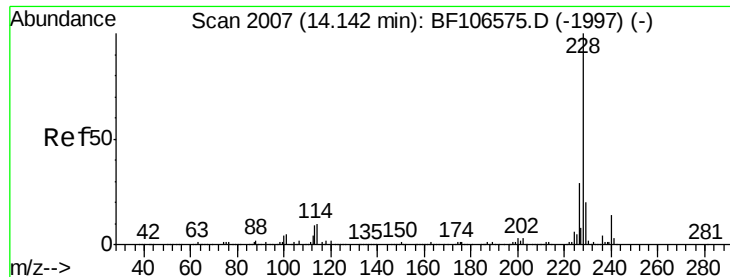
#78
Terphenyl-d14
Concen: 60.449 ng
RT: 13.06 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion: 244 Resp: 428728
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.5 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: 14.778 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-7-D

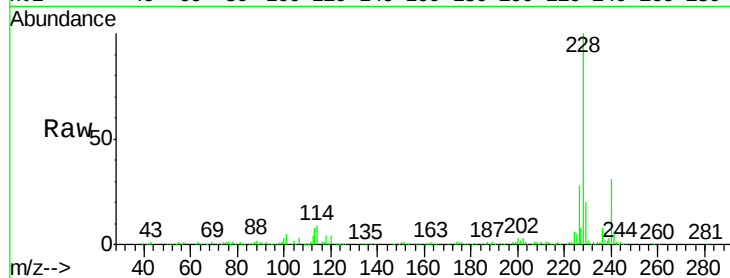
Tgt Ion:228 Resp: 154730

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

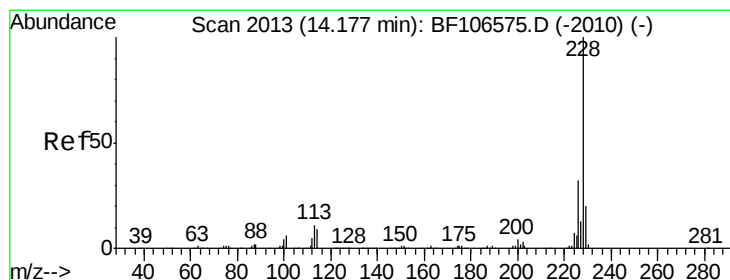
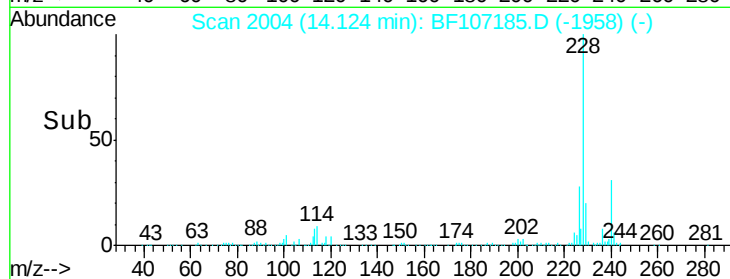
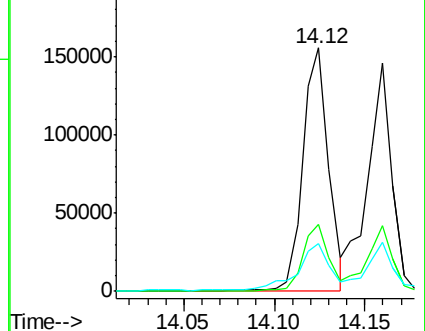
229 19.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 12.998 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

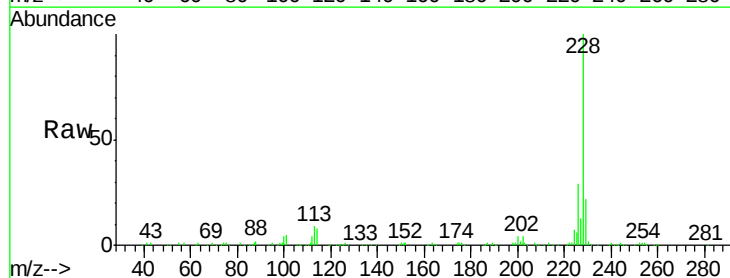
Tgt Ion:228 Resp: 125207

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

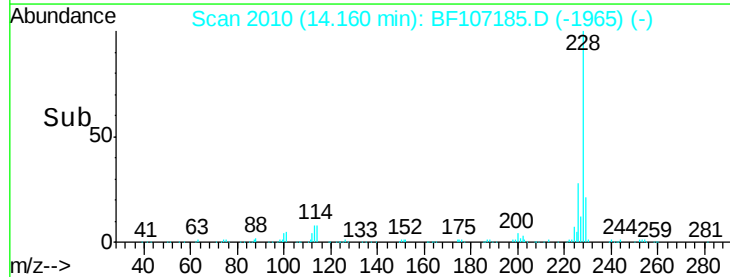
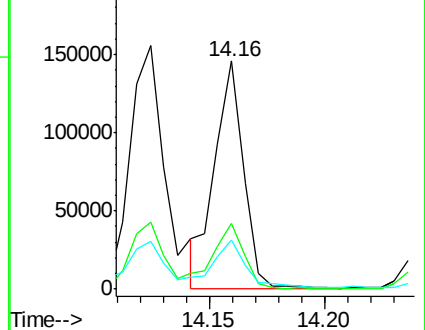
229 21.8 16.2 24.4

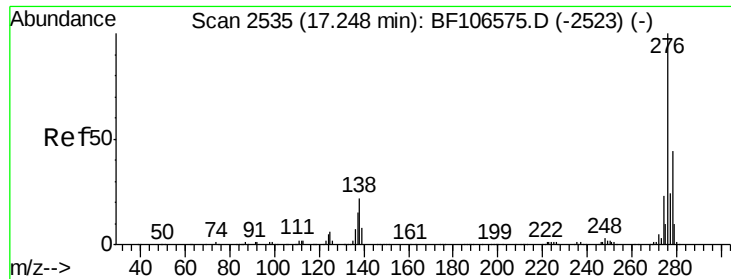


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

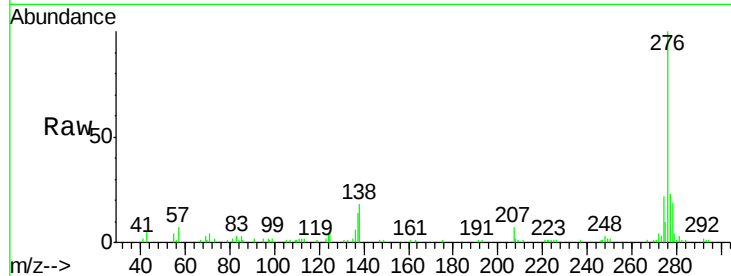




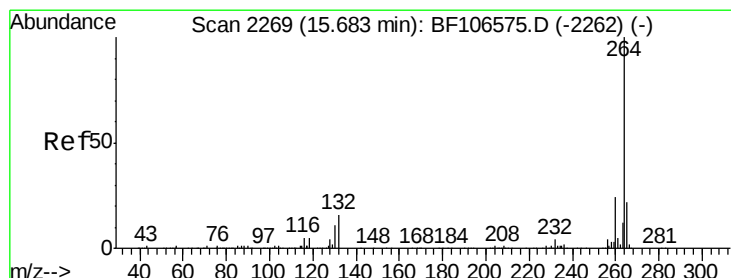
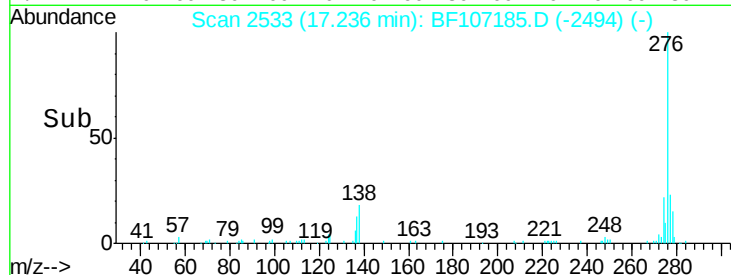
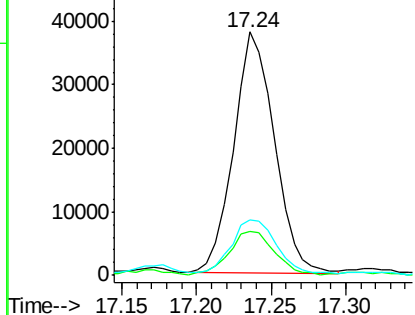
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.837 ng
 RT: 17.24 min Scan# 2533
 Delta R.T. -0.07 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleID :
 TP-7-D

Tgt Ion:276 Resp: 72237
 Ion Ratio Lower Upper
 276 100
 138 20.3 25.0 37.6#
 277 24.1 20.1 30.1

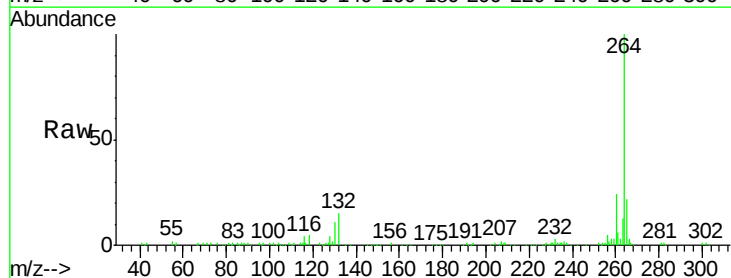


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

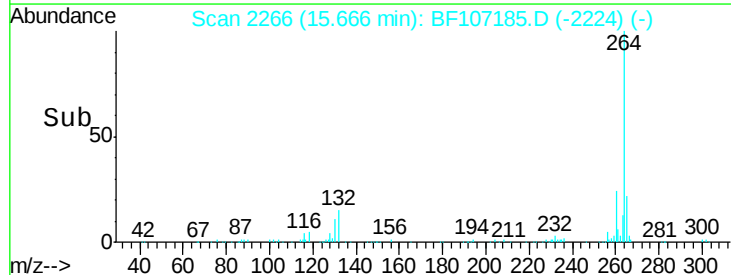
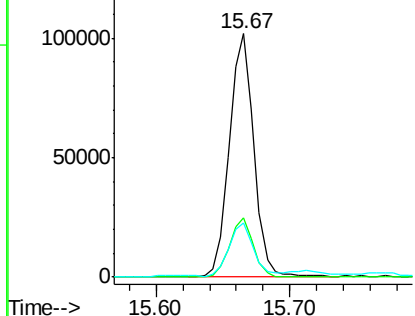


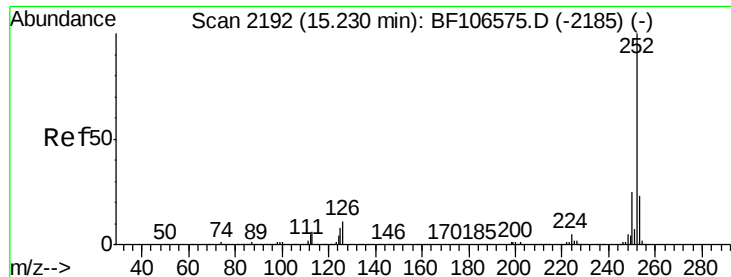
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2266
 Delta R.T. -0.05 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Tgt Ion:264 Resp: 131837
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 22.1 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

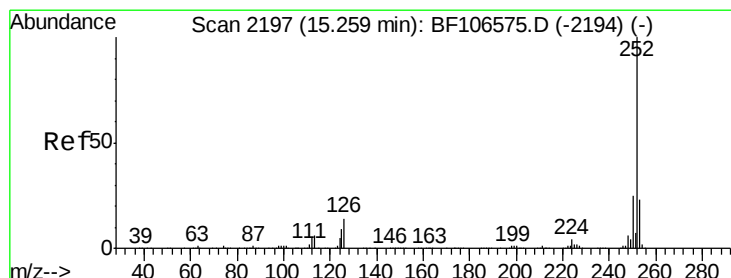
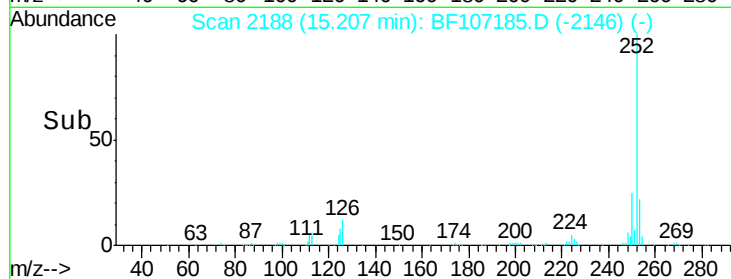
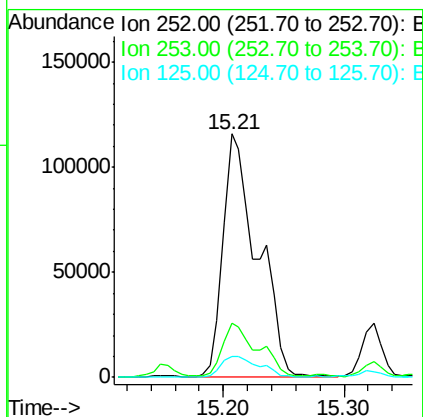
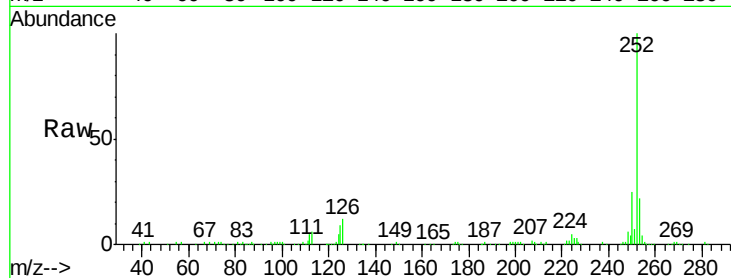




#87
Benzo(b)fluoranthene
Concen: 27.843 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.05 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

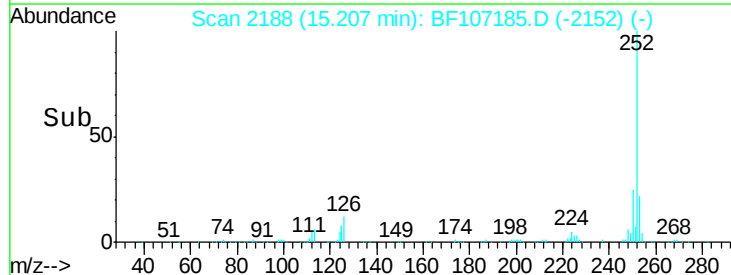
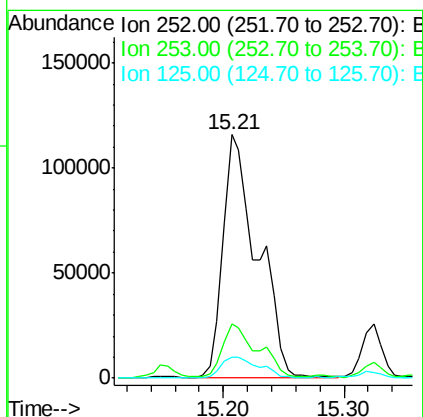
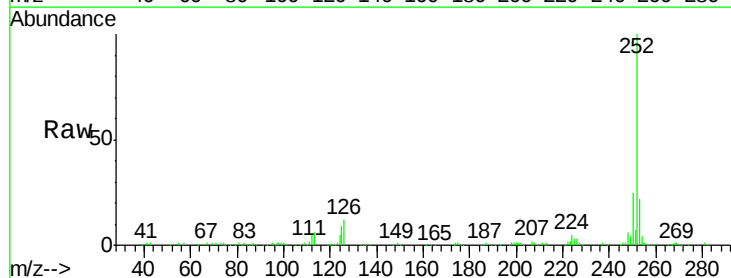
Instrument :
BNA_F
ClientSampleId :
TP-7-D

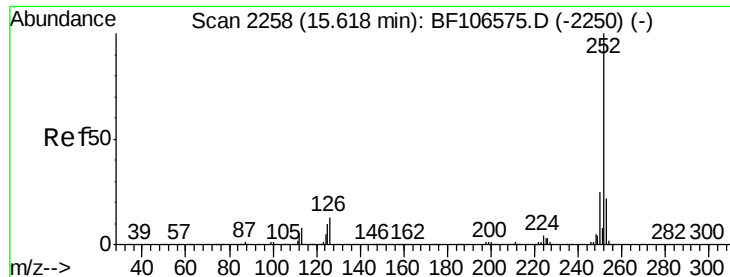
Tgt Ion:252 Resp: 228024
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 8.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 29.238 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.09 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion:252 Resp: 228024
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 8.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 10.339 ng

RT: 15.53 min Scan# 2243

Delta R.T. -0.12 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-7-D

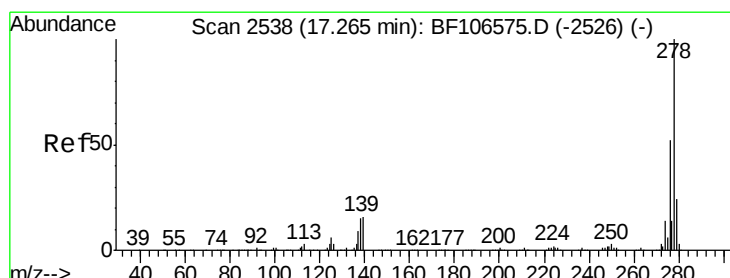
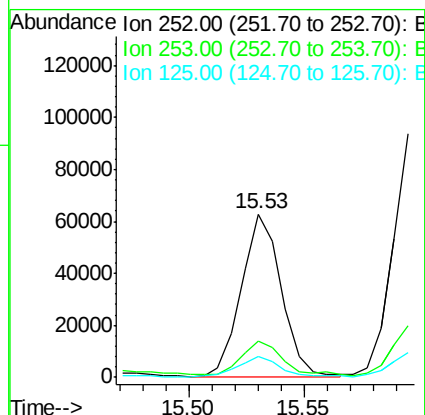
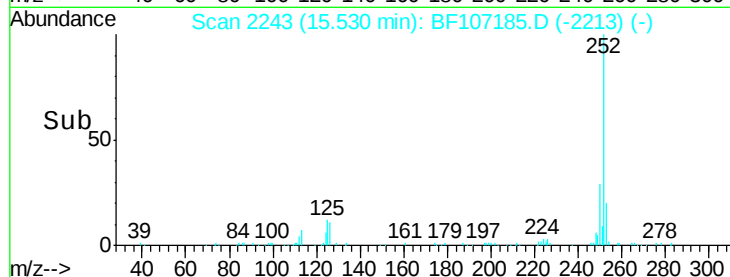
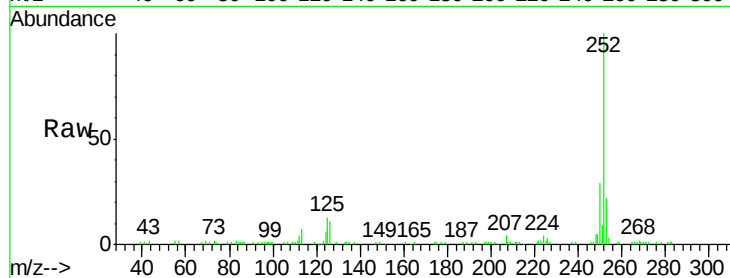
Tgt Ion:252 Resp: 75269

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 12.9 9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 2.693 ng

RT: 17.24 min Scan# 2534

Delta R.T. -0.08 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

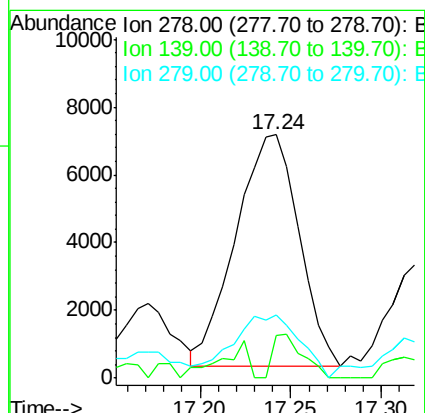
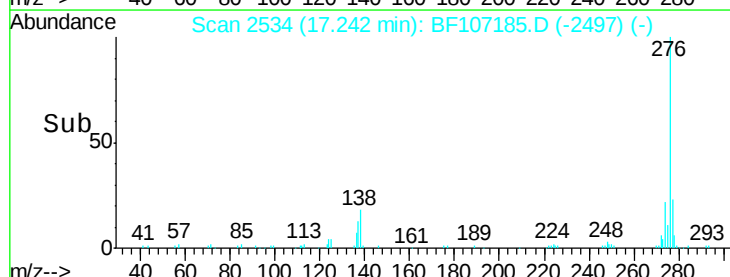
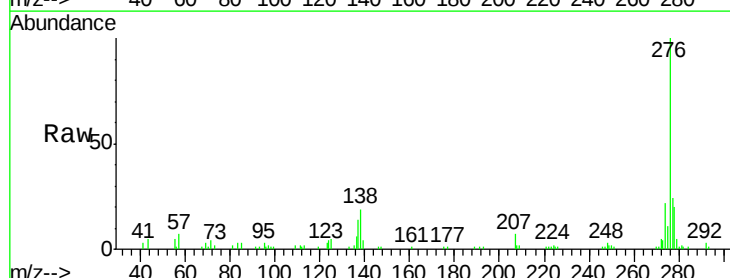
Tgt Ion:278 Resp: 16619

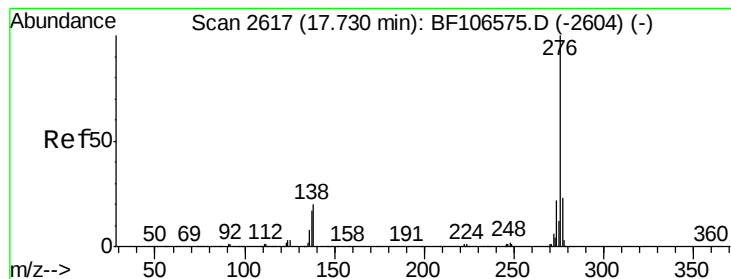
Ion Ratio Lower Upper

278 100

139 17.3 15.9 23.9

279 26.1 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 12.738 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.06 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-7-D

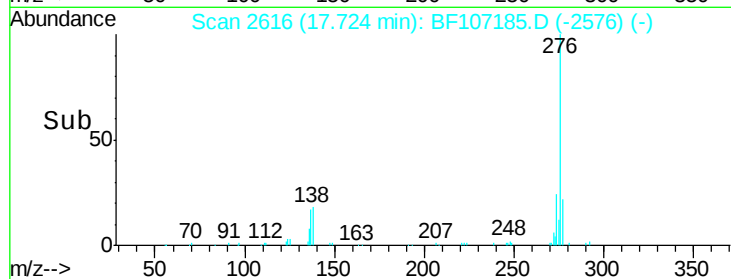
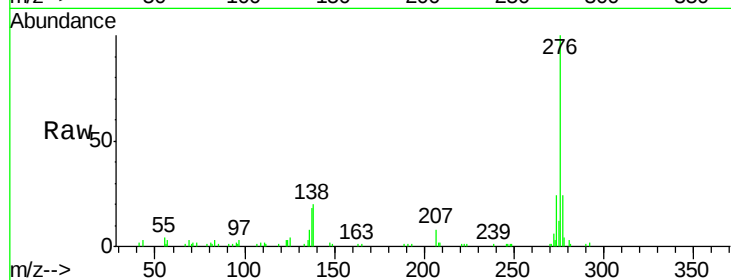
Tgt Ion: 276 Resp: 76822

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 19.7 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

