

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103603.D
 Acq On : 13 Mar 2018 14:48
 Operator : SJ/JU
 Sample : J1876-02RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 16:12:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135926	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	584141	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	262720	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	496272	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	367066	20.00	ng	-0.01
86) Perylene-d12	15.56	264	337253	20.00	ng	-0.01

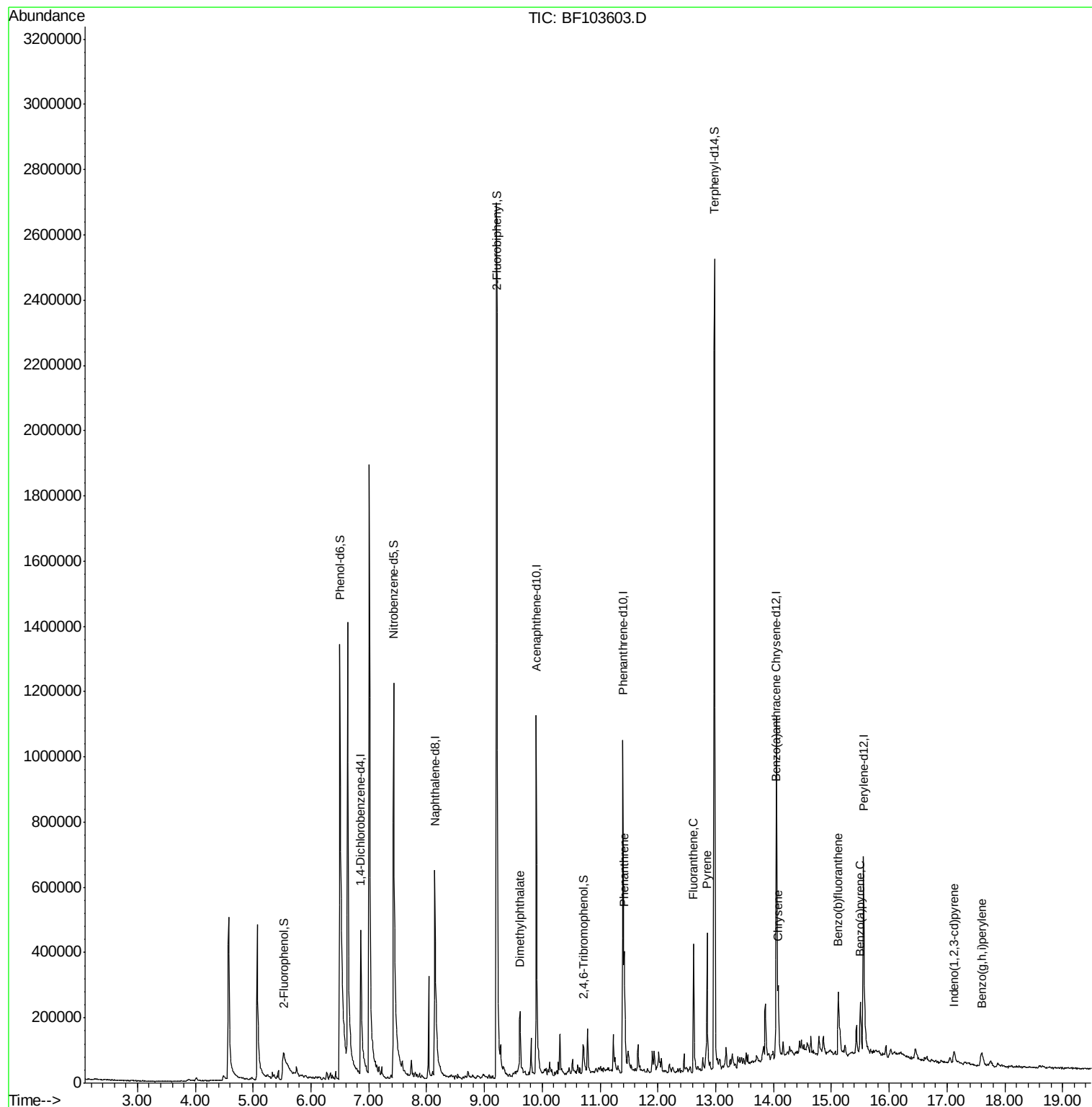
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	190952m	21.25	ng	0.05
7) Phenol-d6	6.50	99	1099791	100.01	ng	-0.01
23) Nitrobenzene-d5	7.43	82	788960	77.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	14301	6.43	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1104394	69.25	ng	-0.01
78) Terphenyl-d14	12.98	244	941817	61.68	ng	0.00

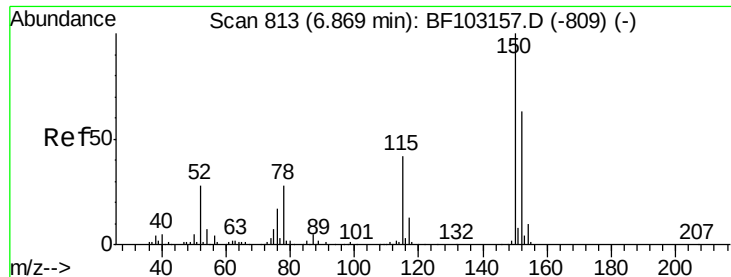
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.62	163	122634	5.819	ng	# 97
70) Phenanthrene	11.42	178	154579	5.660	ng	97
74) Fluoranthene	12.62	202	200736	7.314	ng	98
77) Pyrene	12.85	202	191038	6.675	ng	98
80) Benzo(a)anthracene	14.04	228	80282	3.371	ng	94
82) Chrysene	14.08	228	77892	3.368	ng	99
85) Indeno(1,2,3-cd)pyrene	17.13	276	39707	2.169	ng	94
87) Benzo(b)fluoranthene	15.12	252	91410m	4.122	ng	
89) Benzo(a)pyrene	15.50	252	71504	3.611	ng	# 94
91) Benzo(g,h,i)perylene	17.60	276	35613	2.381	ng	95

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

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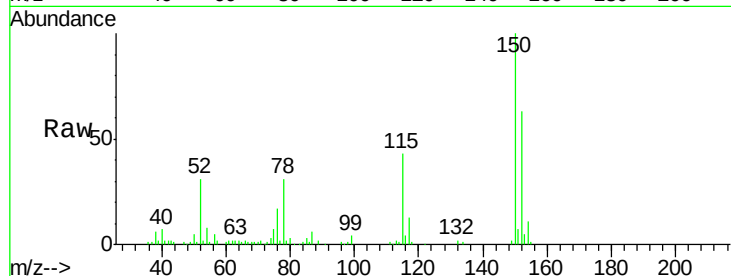




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	68.0	50.1	75.1

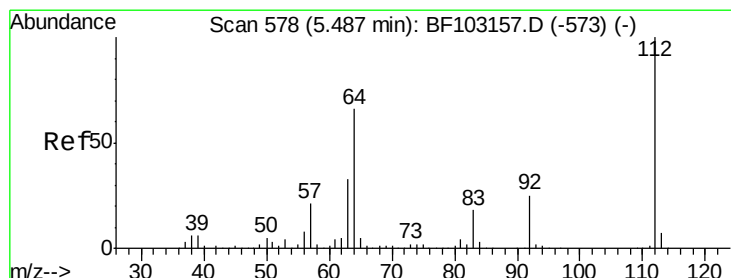
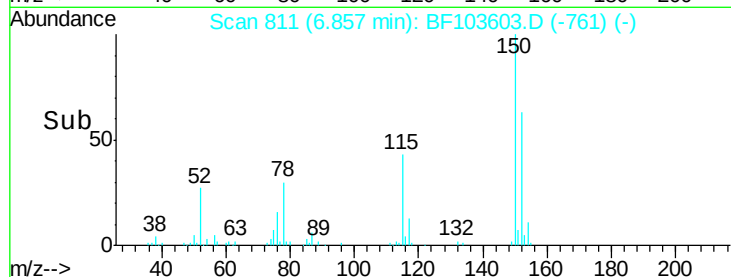
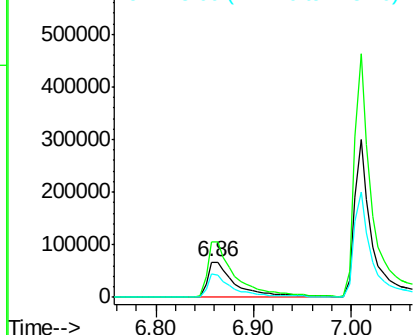


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

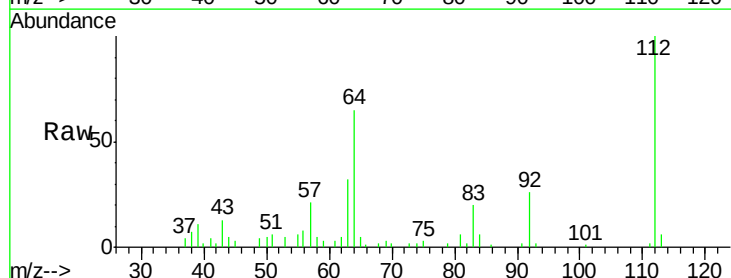
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.247 ng m
RT: 5.53 min Scan# 586
Delta R.T. 0.05 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	31.9	23.7	35.5

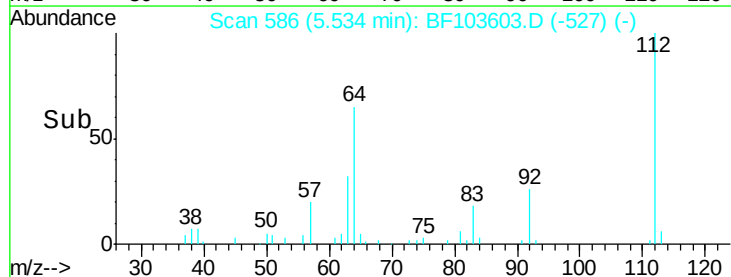
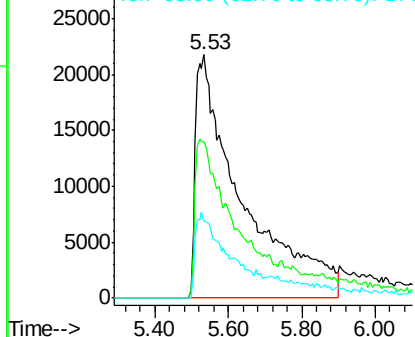


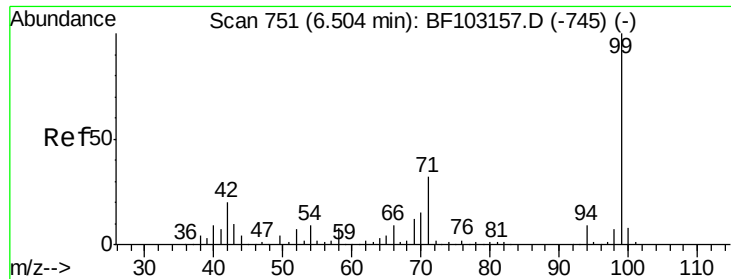
Abundance

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: 100.006 ng

RT: 6.50 min Scan# 750

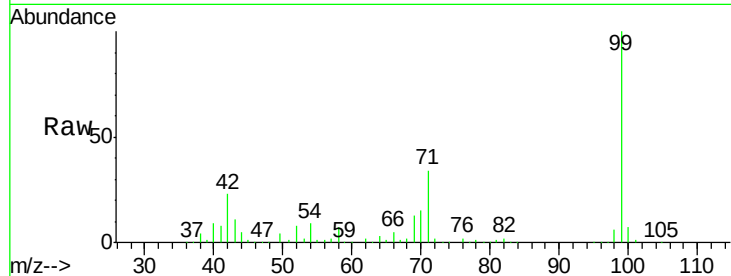
Delta R.T. -0.01 min

Lab File: BF103603.D

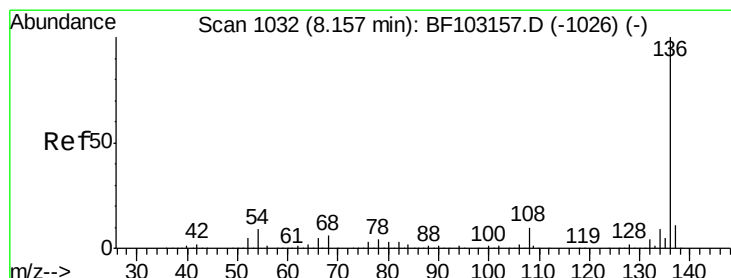
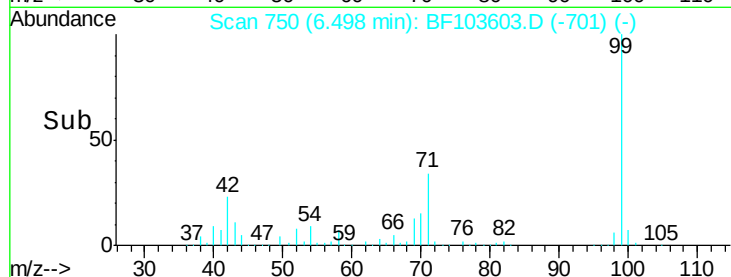
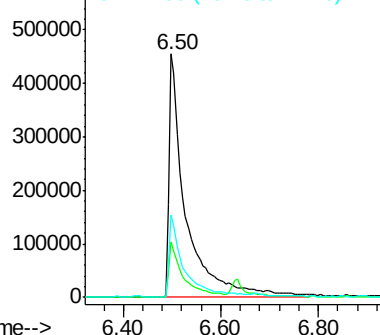
Acq: 13 Mar 2018 14:48

Tot Ion: 99 Resp: 1099791

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	33.8	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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

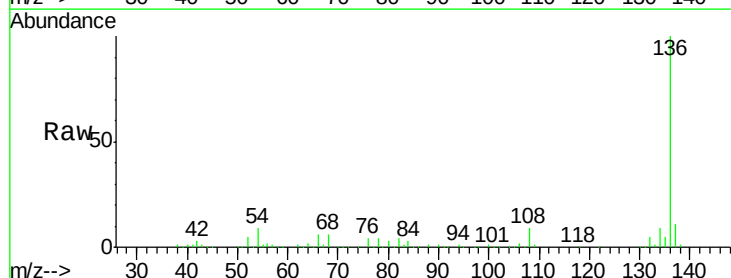
Delta R.T. -0.01 min

Lab File: BF103603.D

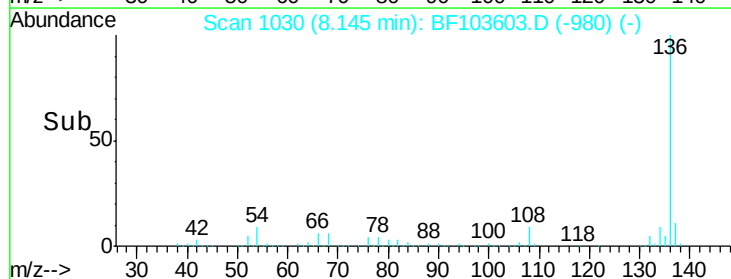
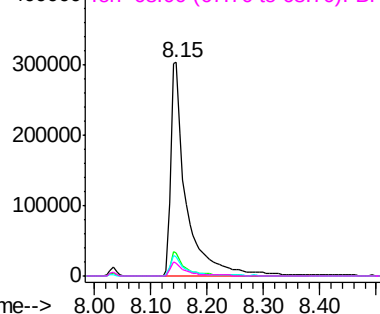
Acq: 13 Mar 2018 14:48

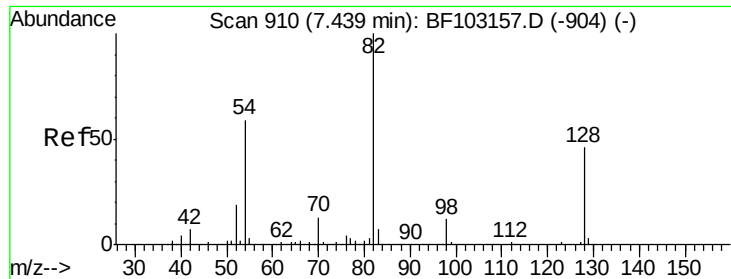
Tgt Ion: 136 Resp: 584141

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.1	6.6	9.8
68	5.9	5.0	7.4



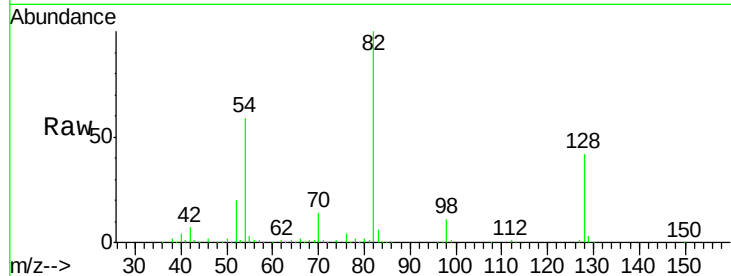
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



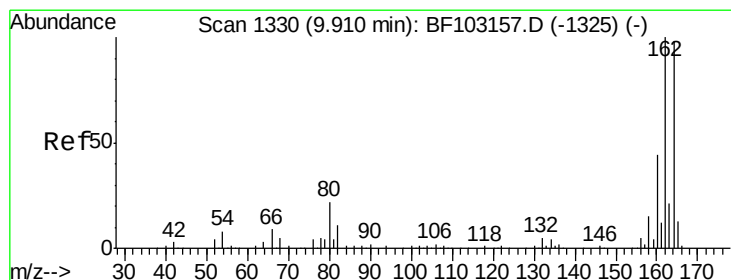
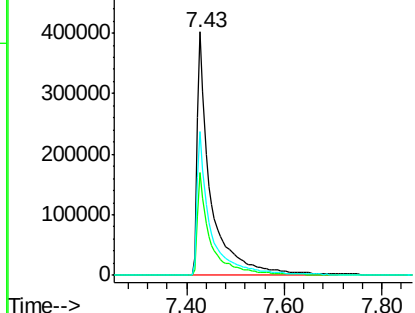
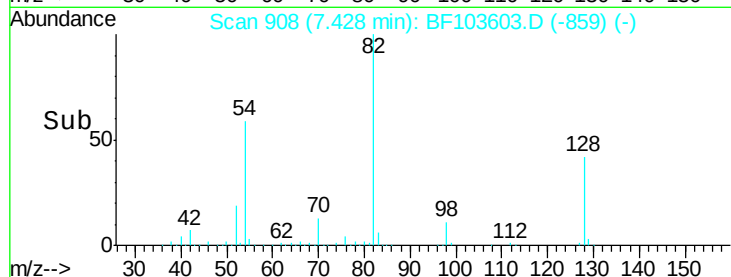


#23
 Nitrobenzene-d5
 Concen: 77.133 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

Tot Ion	82	Resp	788960
Ion Ratio	100	Lower	Upper
128	42.2	36.1	54.1
54	58.9	41.4	62.2

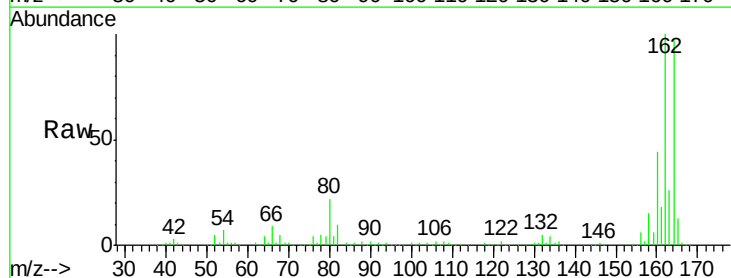


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

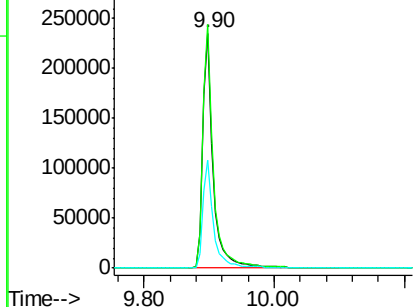
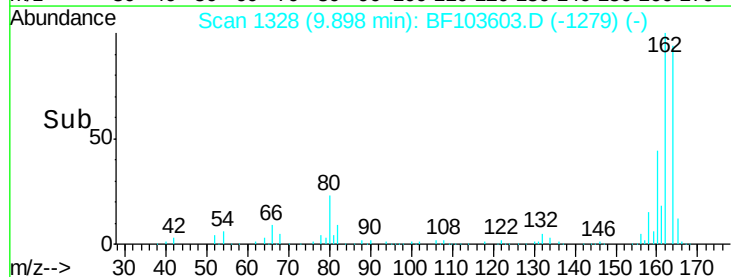


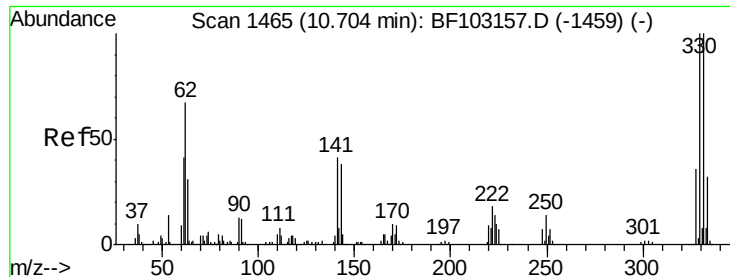
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

Tgt Ion	164	Resp	262720
Ion Ratio	100	Lower	Upper
162	103.6	86.1	129.1
160	45.7	38.3	57.5



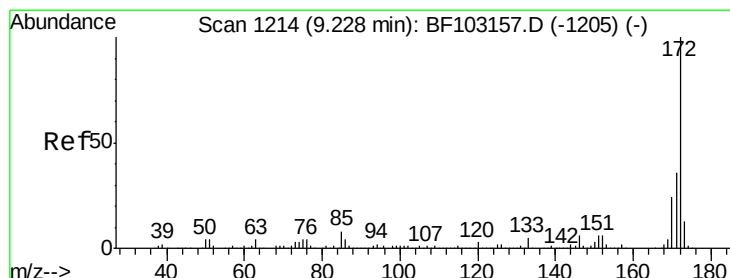
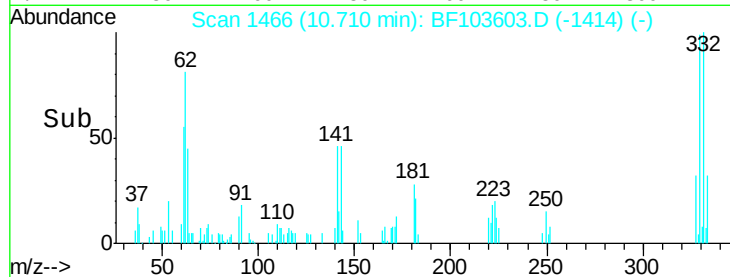
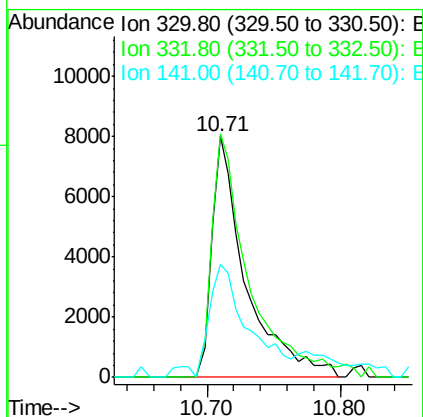
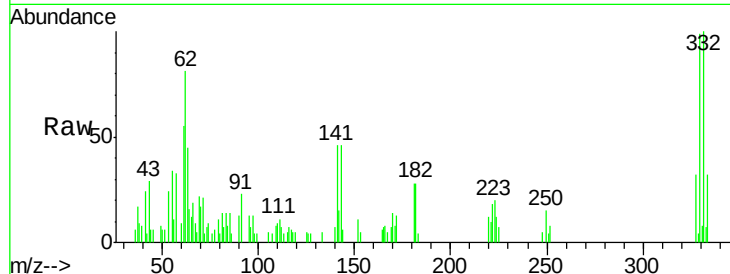
Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





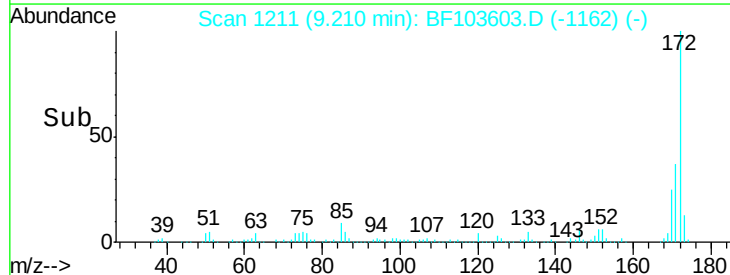
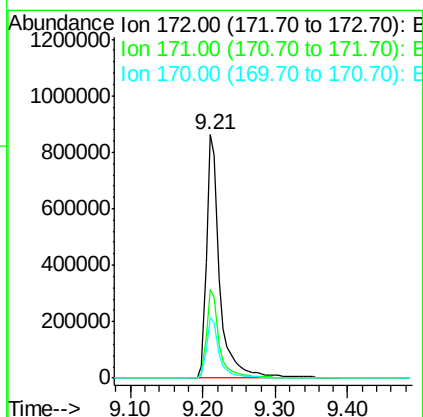
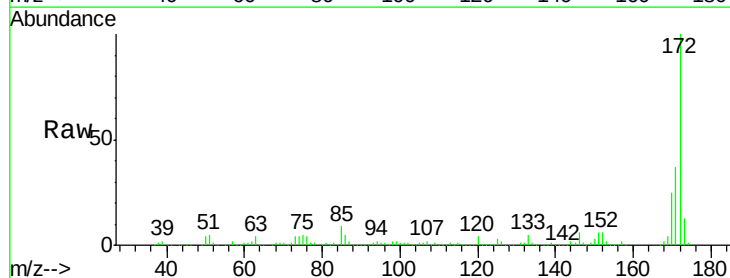
#41
 2,4,6-Tribromophenol
 Concen: 6.431 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

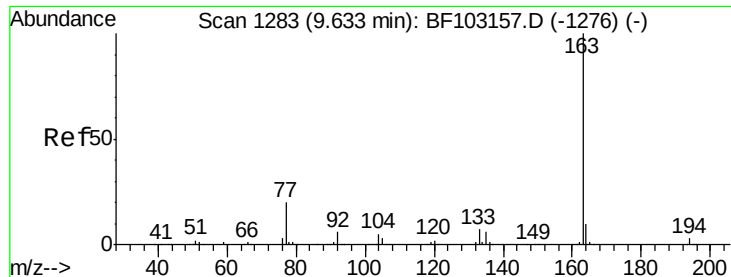
Tot Ion:330 Resp: 14301
 Ion Ratio Lower Upper
 330 100
 332 110.8 77.0 115.6
 141 55.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 69.253 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

Tgt Ion:172 Resp: 1104394
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 25.0 19.6 29.4





#49

Dimethylphthalate

Concen: 5.819 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

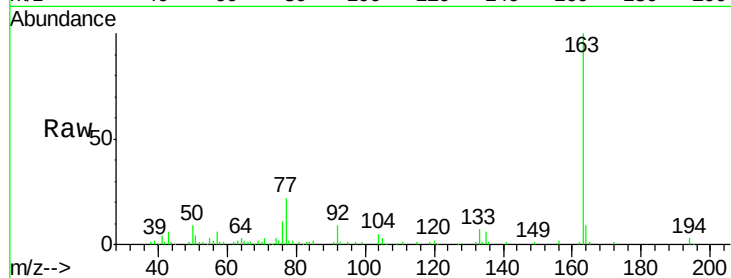
Tot Ion:163 Resp: 122634

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1#

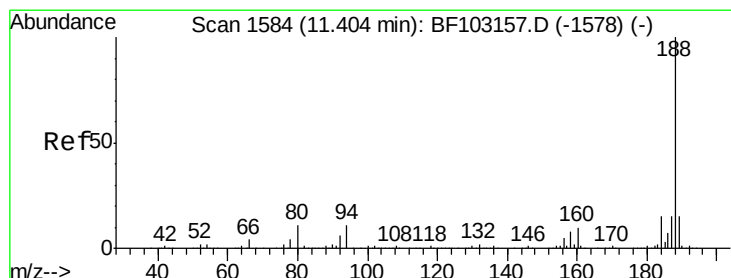
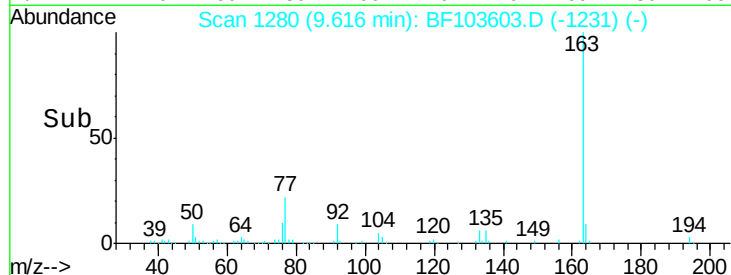
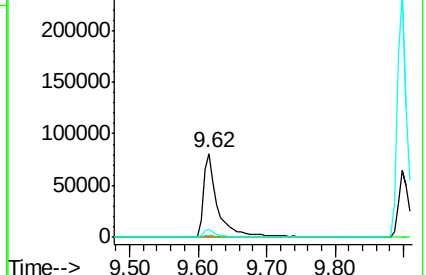
164 9.0 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

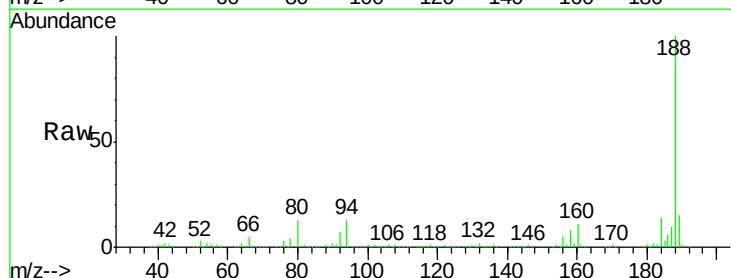
Tgt Ion:188 Resp: 496272

Ion Ratio Lower Upper

188 100

94 12.6 8.5 12.7

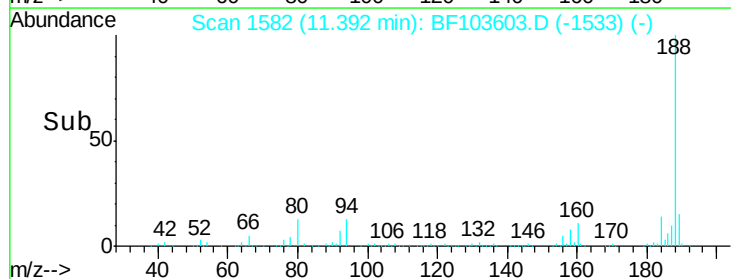
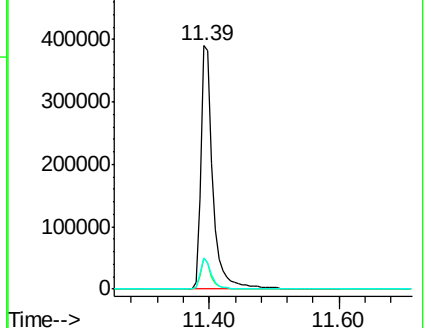
80 12.9 9.2 13.8

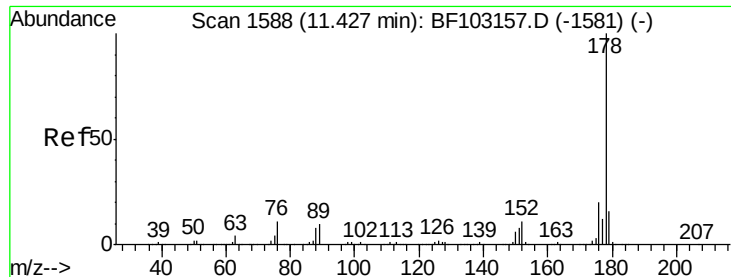


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 5.660 ng

RT: 11.42 min Scan# 1587

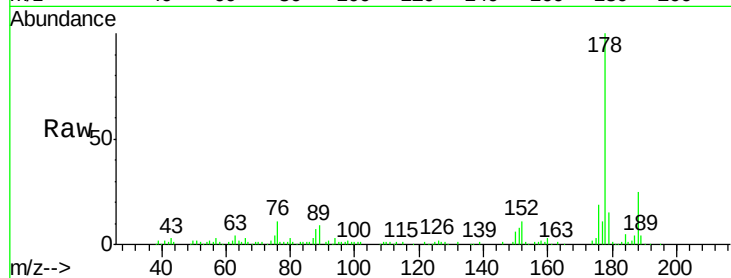
Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Tot Ion:178 Resp: 154579

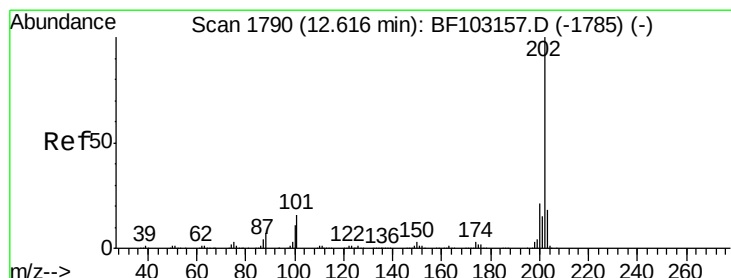
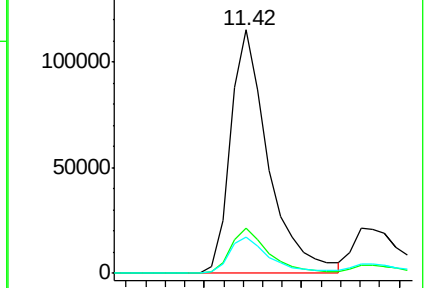
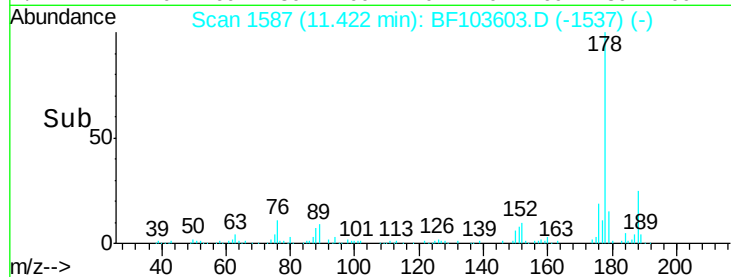
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 7.314 ng

RT: 12.62 min Scan# 1790

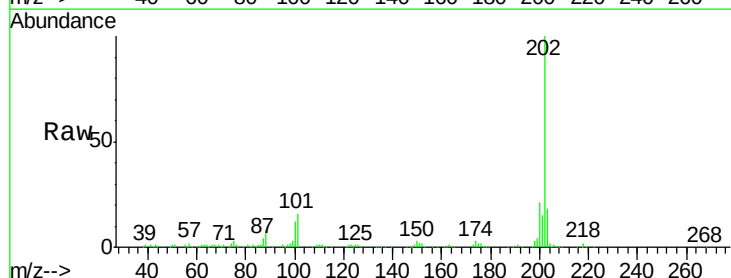
Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Tgt Ion:202 Resp: 200736

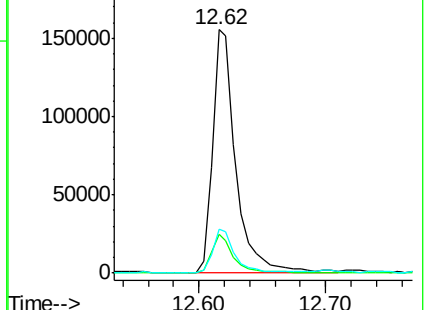
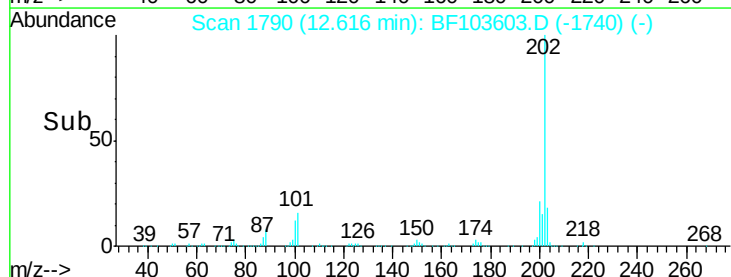
Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.1
203	18.0	0.0	38.1

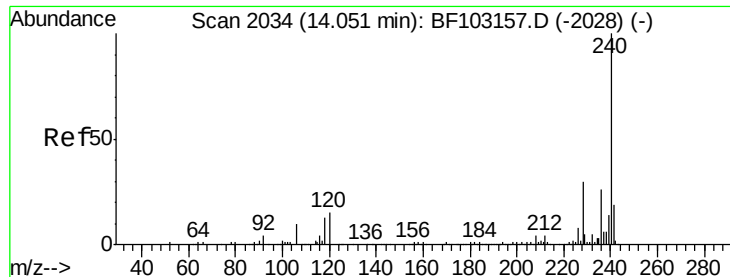


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

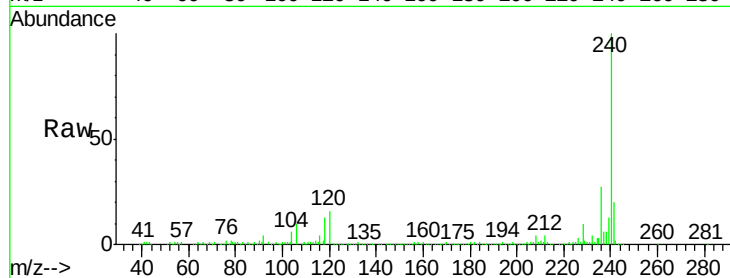
Tot Ion:240 Resp: 367066

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

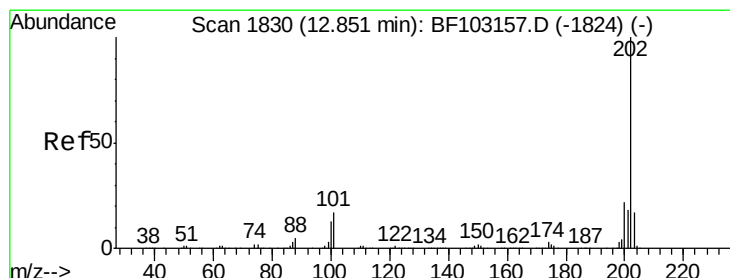
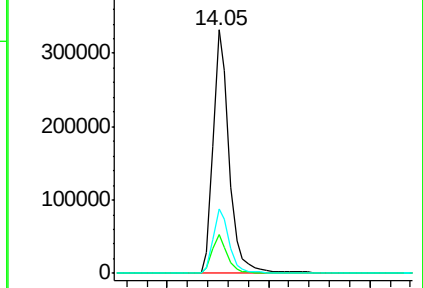
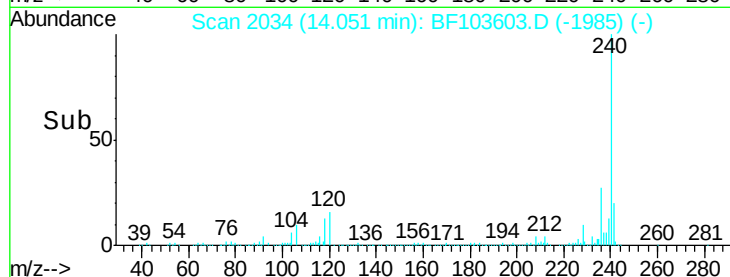
236 26.6 20.7 31.1



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: 6.675 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

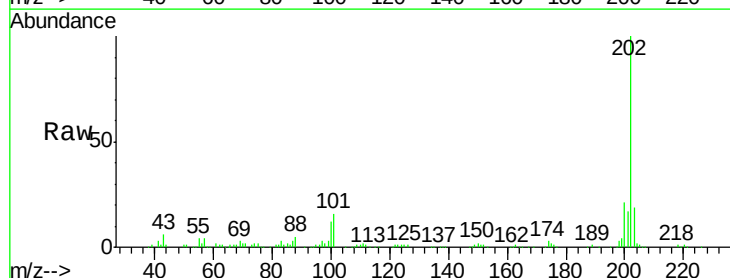
Tgt Ion:202 Resp: 191038

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

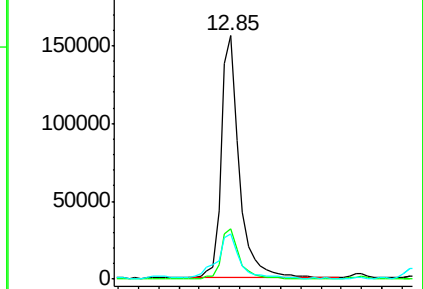
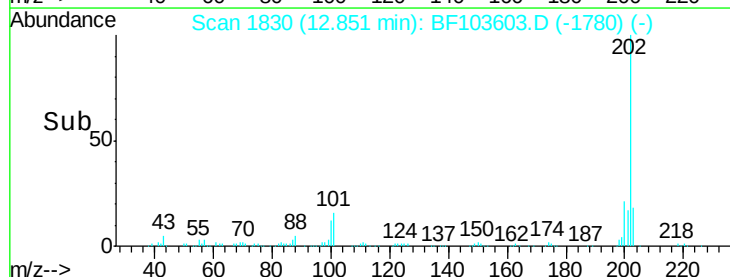
203 18.5 14.3 21.5

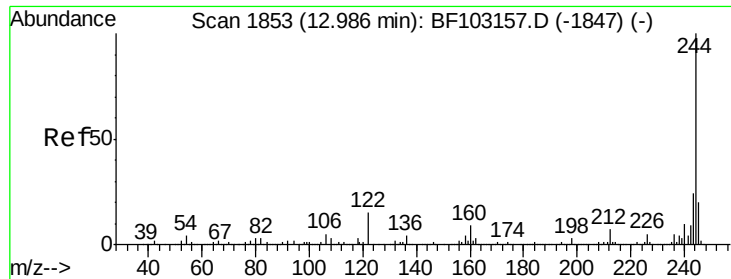


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

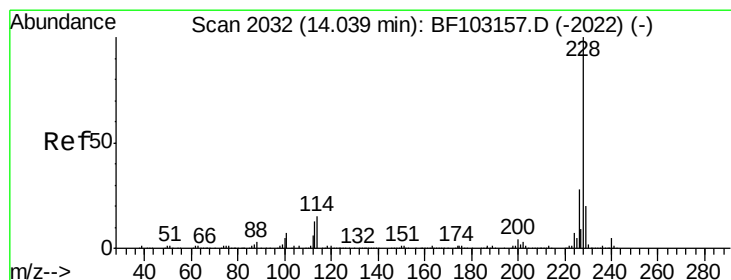
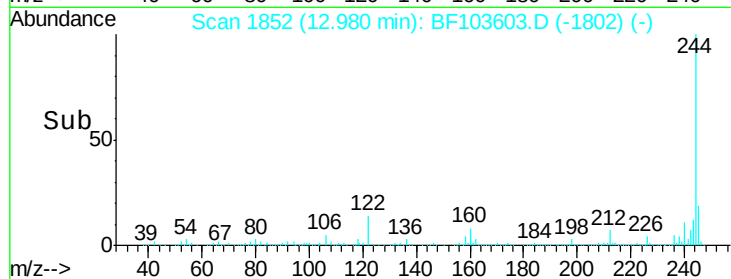
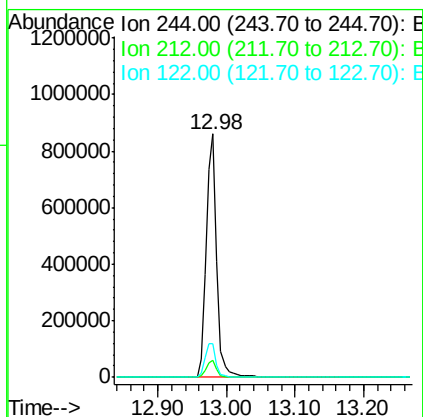
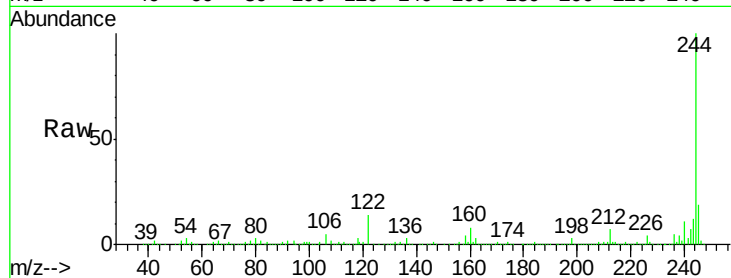
Ion 203.00 (202.70 to 203.70): E





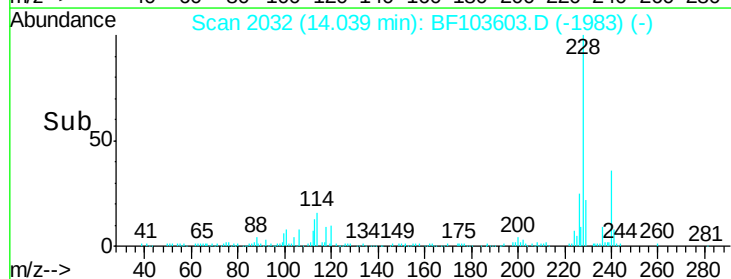
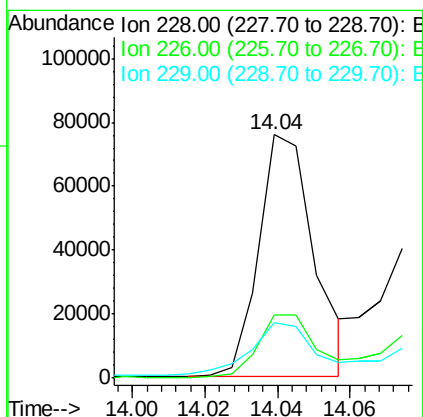
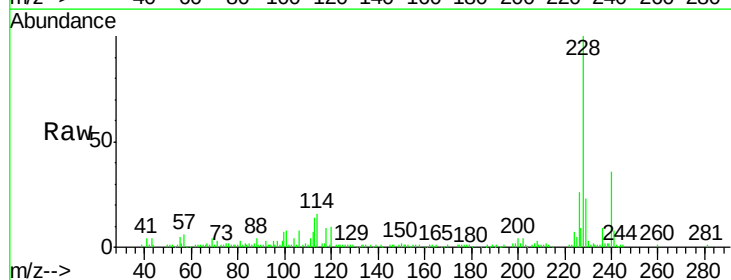
#78
 Terphenyl-d14
 Concen: 61.678 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

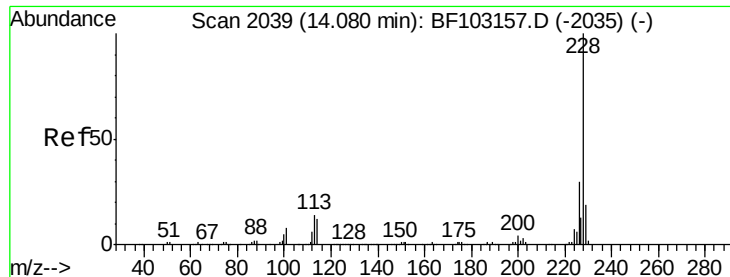
Tot Ion:244 Resp: 941817
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.371 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

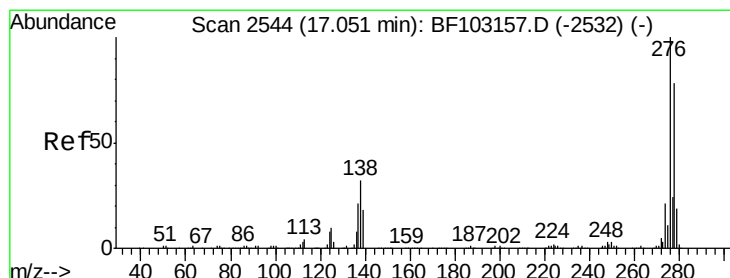
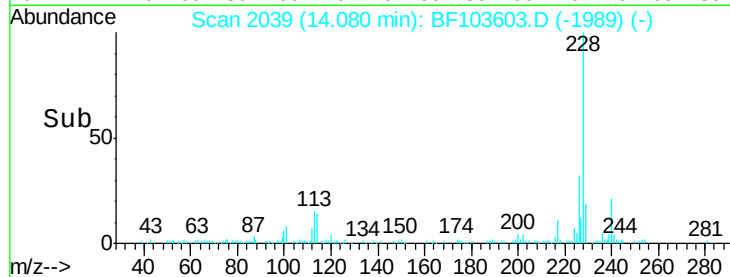
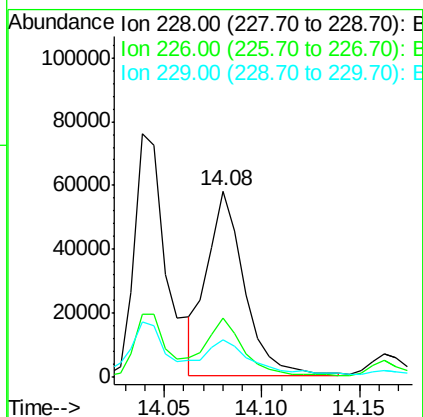
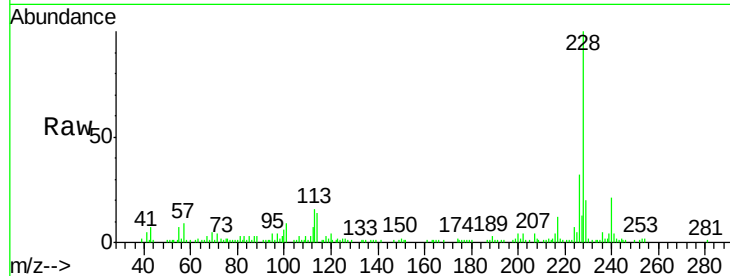
Tgt Ion:228 Resp: 80282
 Ion Ratio Lower Upper
 228 100
 226 25.7 22.6 33.8
 229 22.9 15.8 23.6





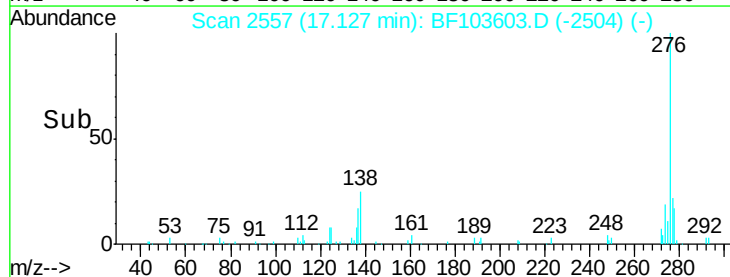
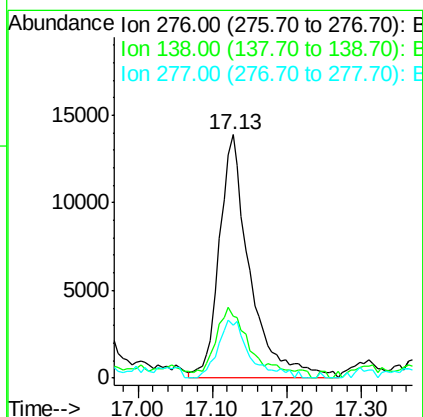
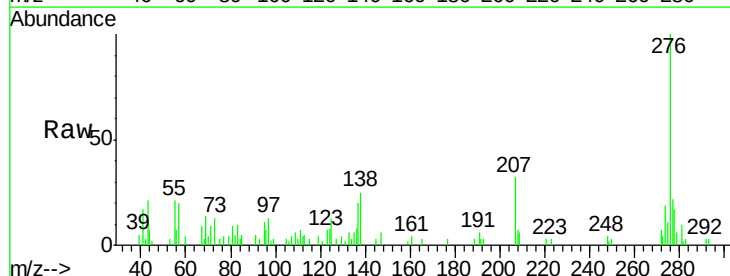
#82
Chrysene
Concen: 3.368 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

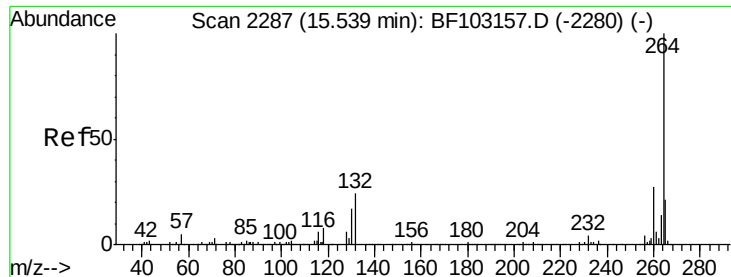
Tot	Ion:228	Resp:	77892
Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	20.4	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.169 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

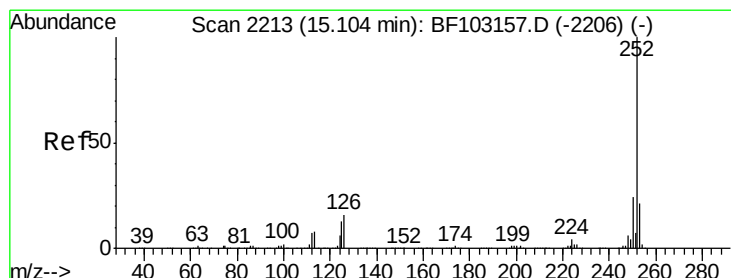
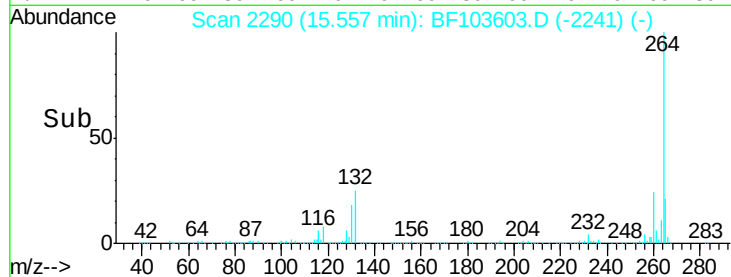
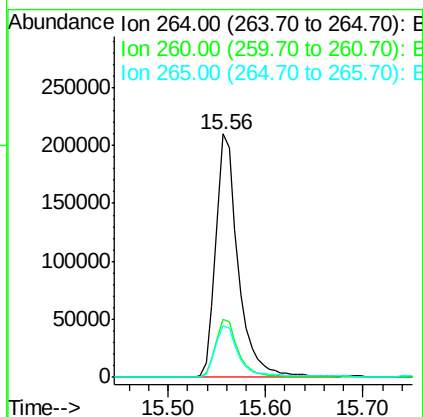
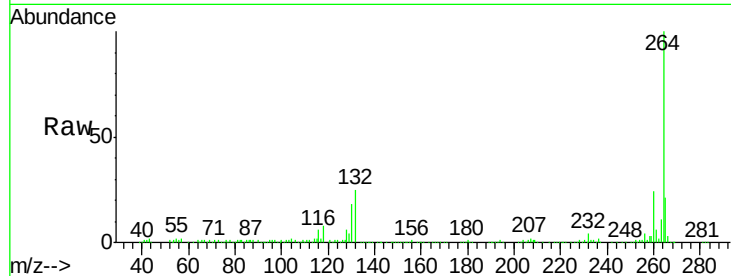
Tgt	Ion:276	Resp:	39707
Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	23.3	20.1	30.1





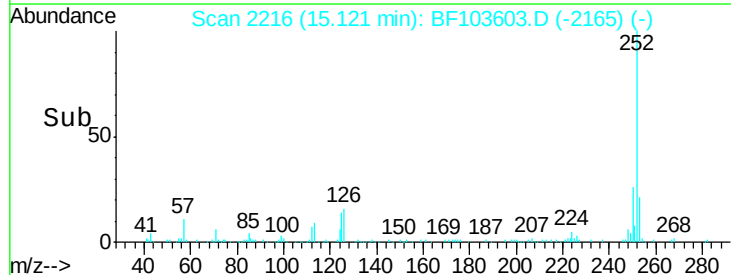
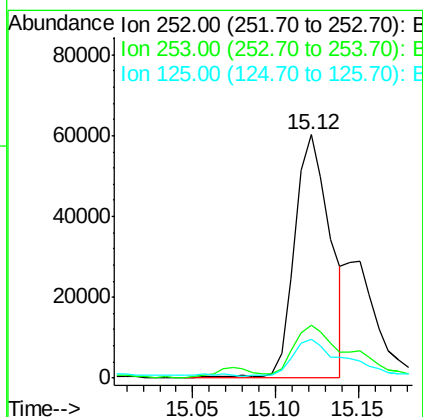
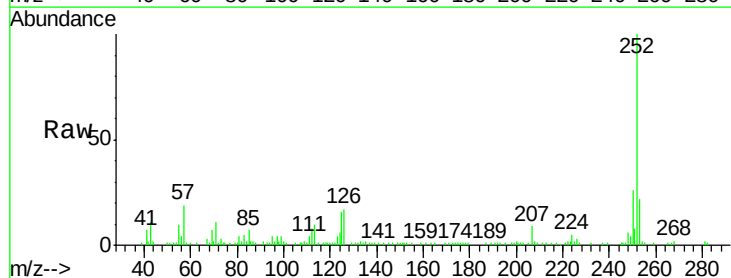
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

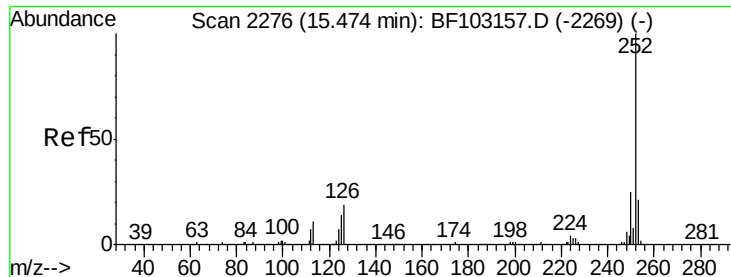
Tot Ion:264 Resp: 337253
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.122 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

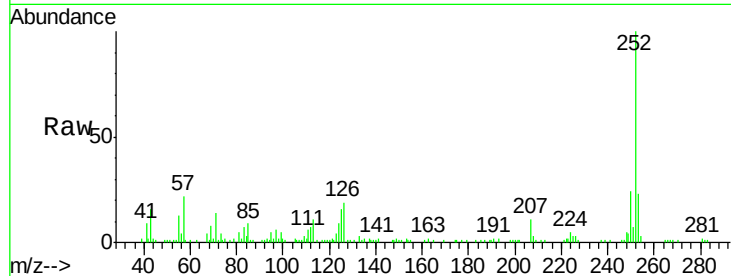
Tgt Ion:252 Resp: 91410
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 15.7 9.0 13.6#



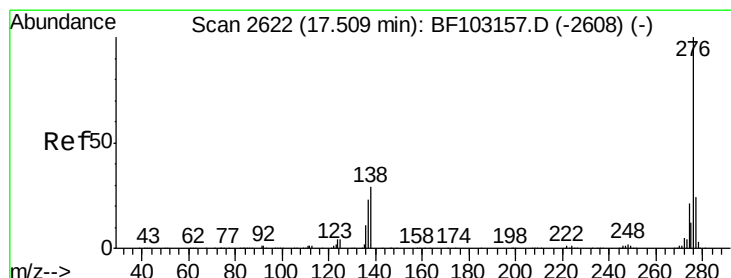
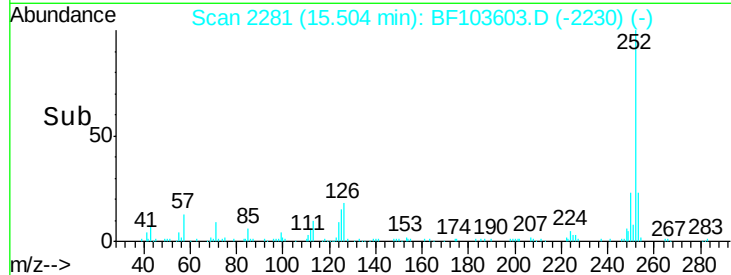
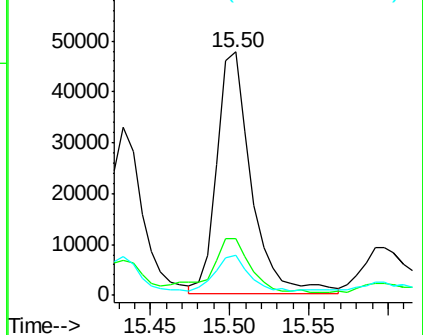


#89
Benzo(a)pyrene
Concen: 3.611 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tot Ion:252 Resp: 71504
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 16.2 9.8 14.6#

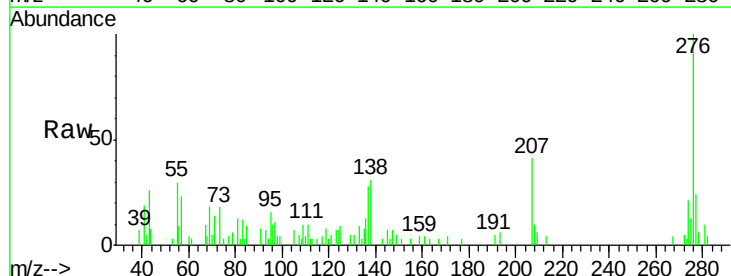


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.381 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion:276 Resp: 35613
Ion Ratio Lower Upper
276 100
277 23.9 17.9 26.9
138 30.5 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

