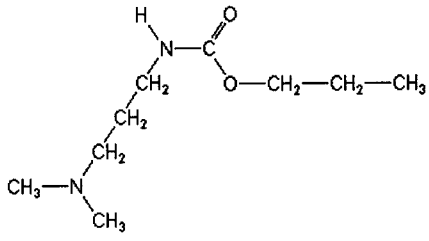
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Propamocarb

CAS No.: 24579-73-5
Formula: C9H20N2O2
Molecular mass (lowest isotopes): 188,15 amu

Structure:



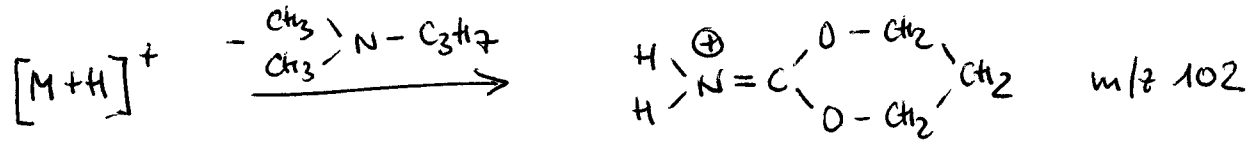
Ionisation: ESI + Quasimolecular ion: 189,2 amu = [M+H]+

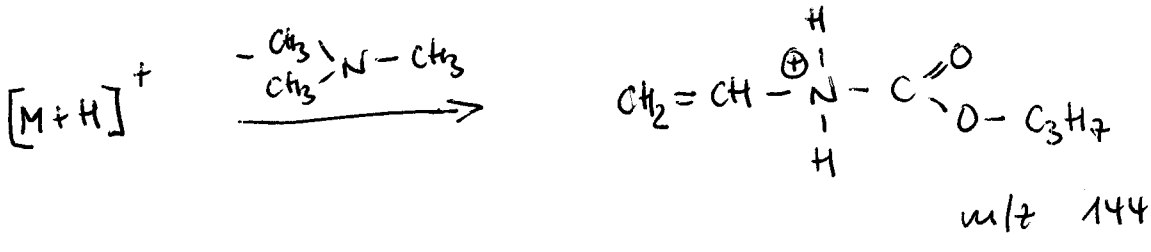
Analyte sensitive parameter set (API 2000)

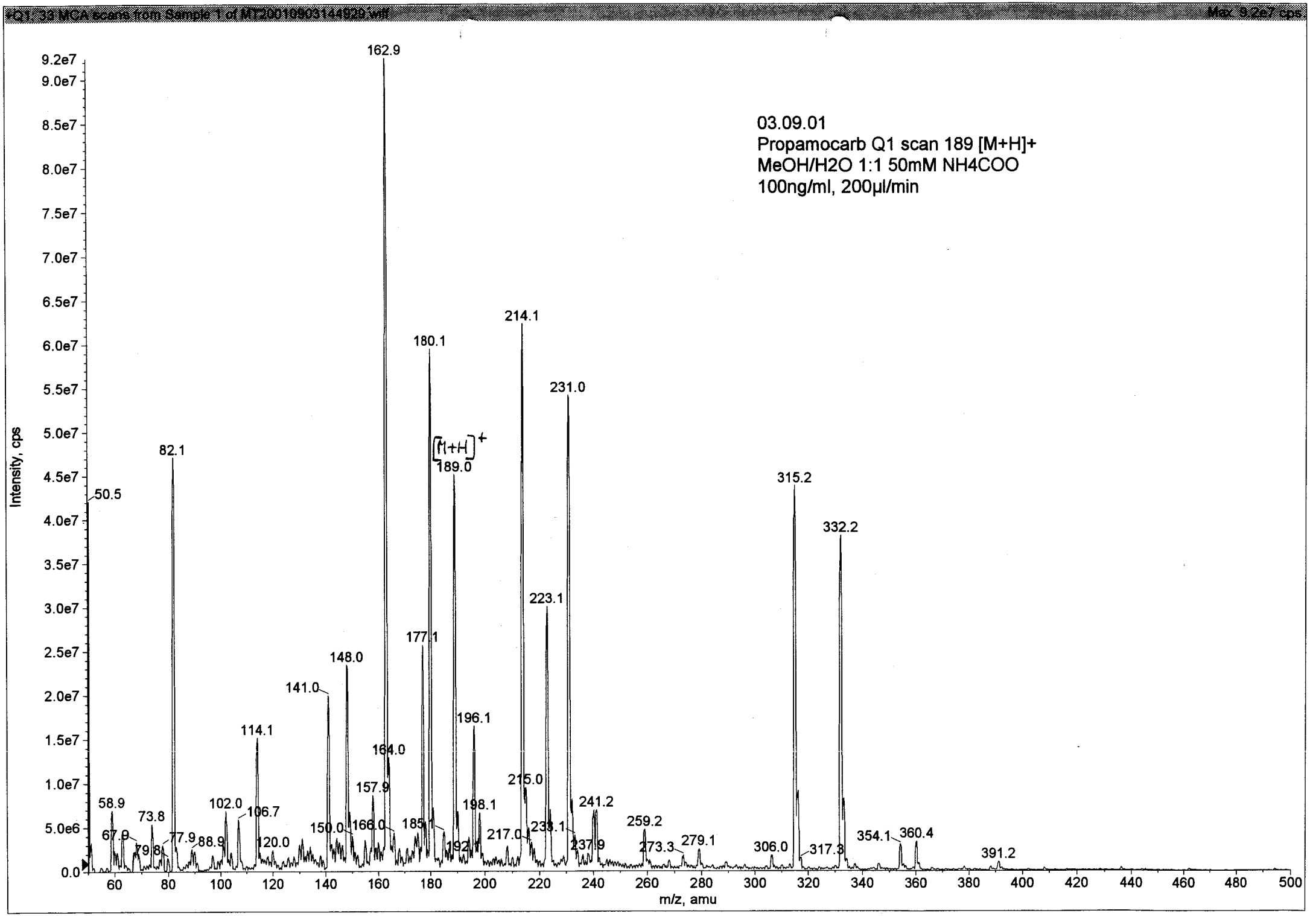
Transition	189,2 → 102,0	189,2 → 144,0
Declustering potential (DP)*)	16 V	16 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	23 V	17 V
Collision cell exit potential (CXP)	4 V	6 V

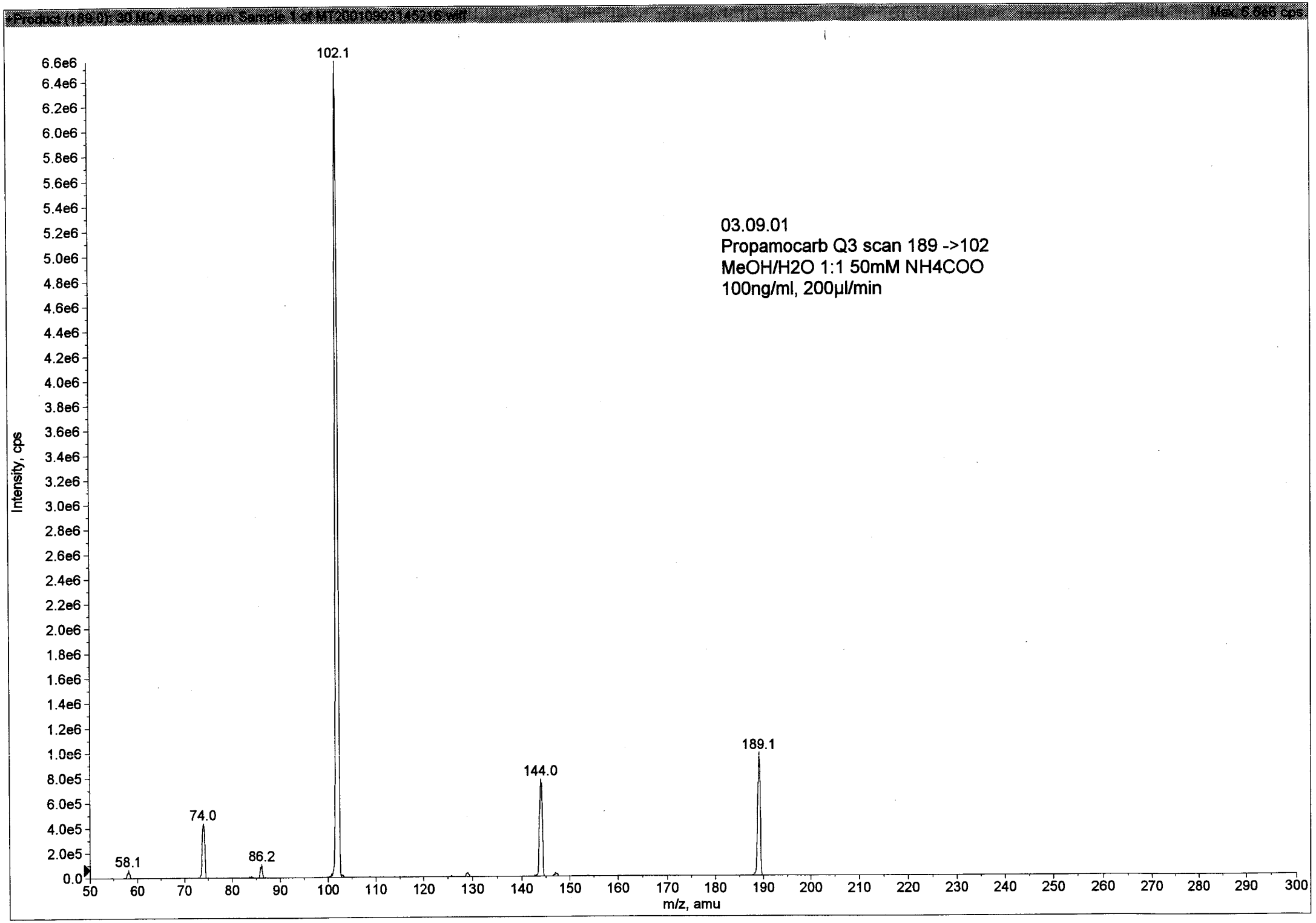
*) For API 3000 and 4000 enhance DP by 20V

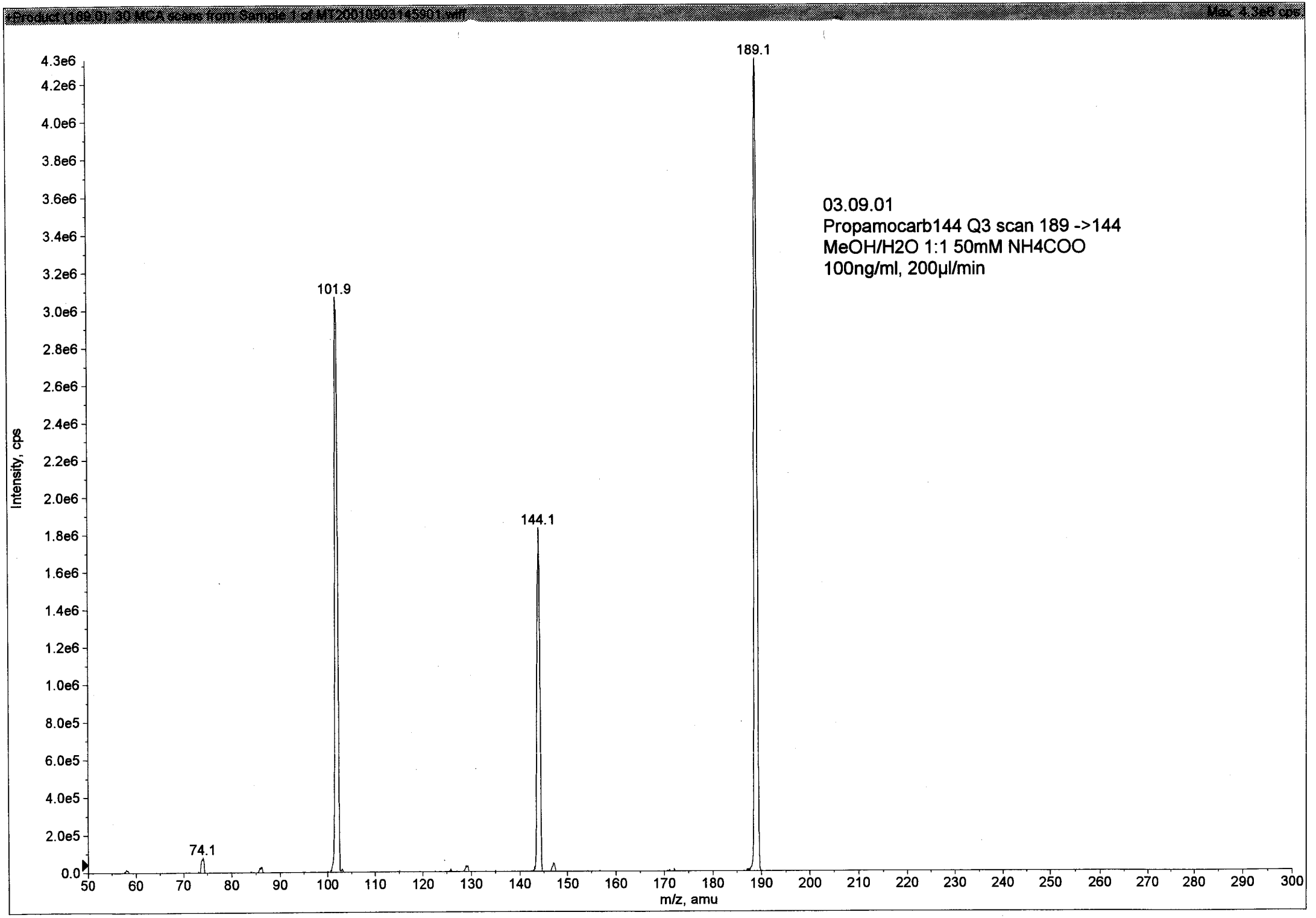
Fragmentation






+Q1: 33 MCA scans from Sample 1 of MT20010903144928.wiff
Max. 9.2e7 cps.
03.09.01
Propamocarb Q1 scan 189 [M+H]+
MeOH/H2O 1:1 50mM NH4COO
100ng/ml, 200µl/min
Intensity, cps
m/z, amu
[M+H]+
189.0
162.9
214.1
180.1
231.0
82.1
315.2
332.2
223.1
177.1
148.0
141.0
196.1
114.1
164.0
215.0
157.9
241.2
198.1
259.2
102.0
106.7
58.9
73.8
150.0
166.0
185.1
233.1
273.3
279.1
306.0
317.3
354.1
360.4
391.2
50.5
67.9
79.8
77.9
88.9
120.0
192.1
217.0
237.9


+Product (189.0): 30 MCA scans from Sample 1 of MT20010903145216.wiff
Max. 6.6e6 cps
102.1
189.1
144.0
74.0
58.1
86.2
03.09.01
Propamocarb Q3 scan 189 ->102
MeOH/H2O 1:1 50mM NH4COO
100ng/ml, 200µl/min
Intensity, cps
m/z, amu


Product (189.0): 30 MCA scans from Sample 1 of MT20010503145901.wiff
Max. 4.3e6 cps.
189.1
101.9
144.1
74.1
03.09.01
Propamocarb144 Q3 scan 189 ->144
MeOH/H2O 1:1 50mM NH4COO
100ng/ml, 200µl/min
Intensity, cps
m/z, amu
4.3e6
4.2e6
4.0e6
3.8e6
3.6e6
3.4e6
3.2e6
3.0e6
2.8e6
2.6e6
2.4e6
2.2e6
2.0e6
1.8e6
1.6e6
1.4e6
1.2e6
1.0e6
8.0e5
6.0e5
4.0e5
2.0e5
0.0
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300