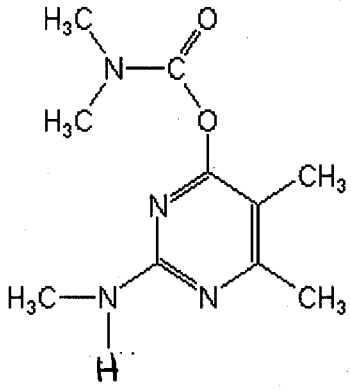
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Desmethyl-pirimicarb

CAS No.: 30614-22-3
Formula: C10H16N4O2
Molecular mass (lowest isotopes): 224,13 amu

Structure:



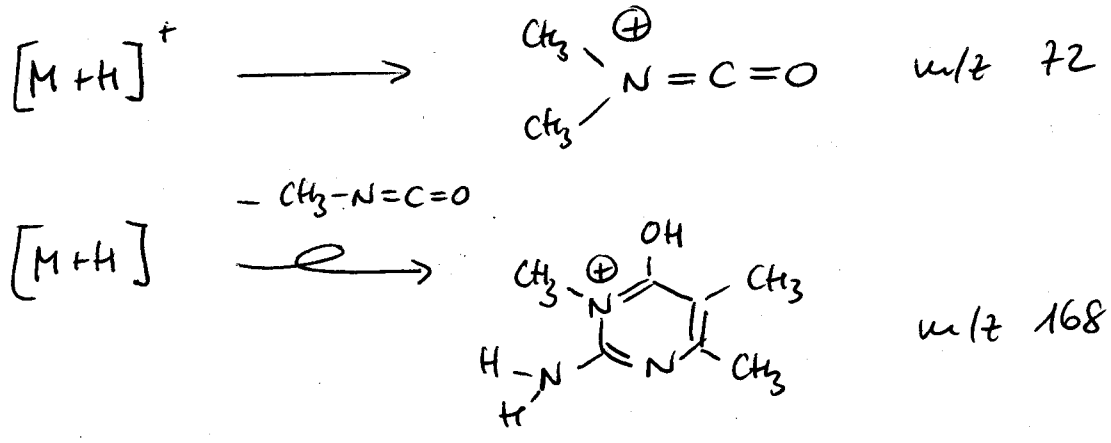
Ionisation: ESI + Quasimolecular ion: 225,1 amu = [M+H]+

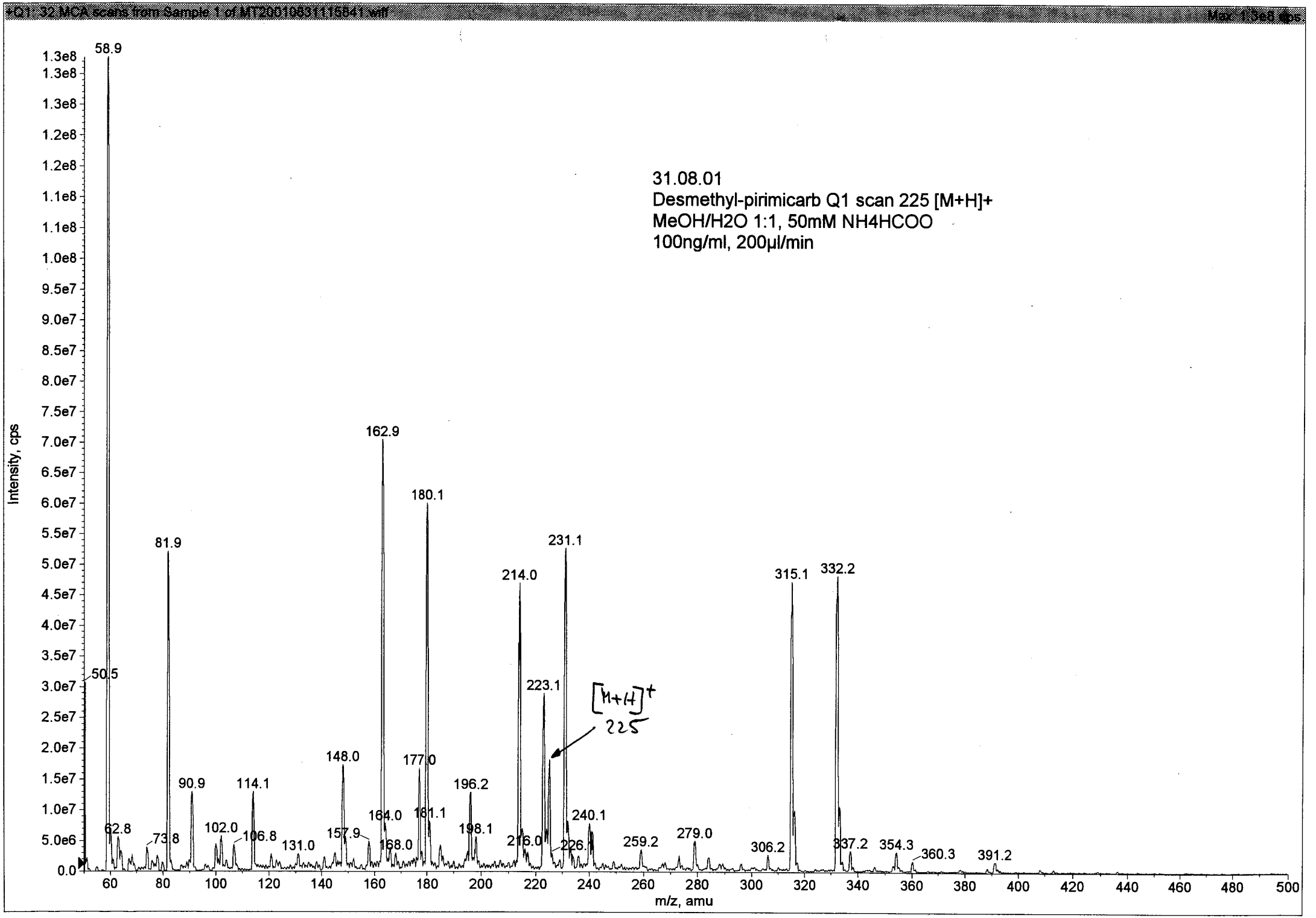
Analyte sensitive parameter set (API 2000)

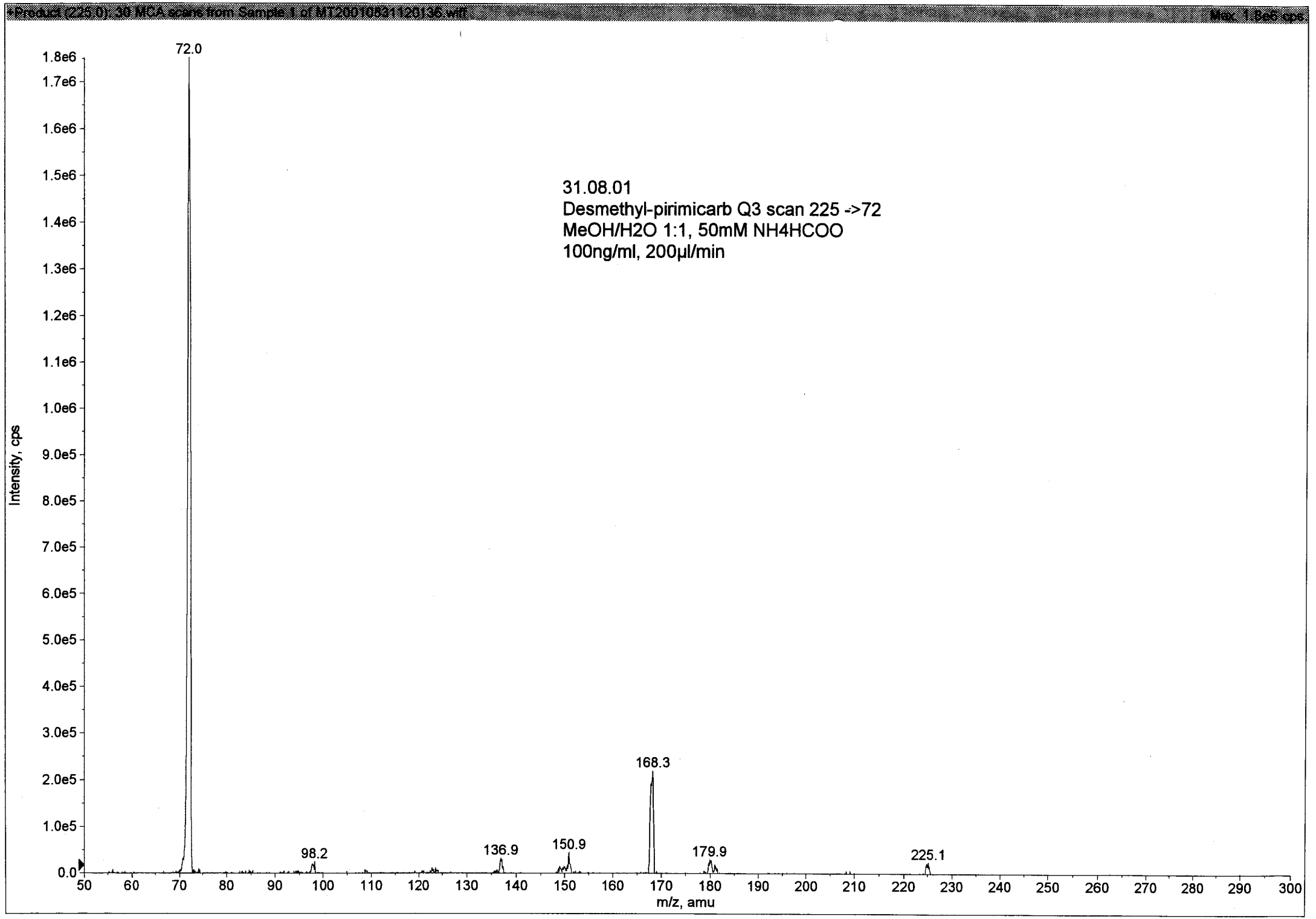
Transition	225,1 → 72,0	225,1 → 168,1
Declustering potential (DP)*)	16 V	16 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	8,5 V	7,5 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	27 V	19 V
Collision cell exit potential (CXP)	10 V	8 V

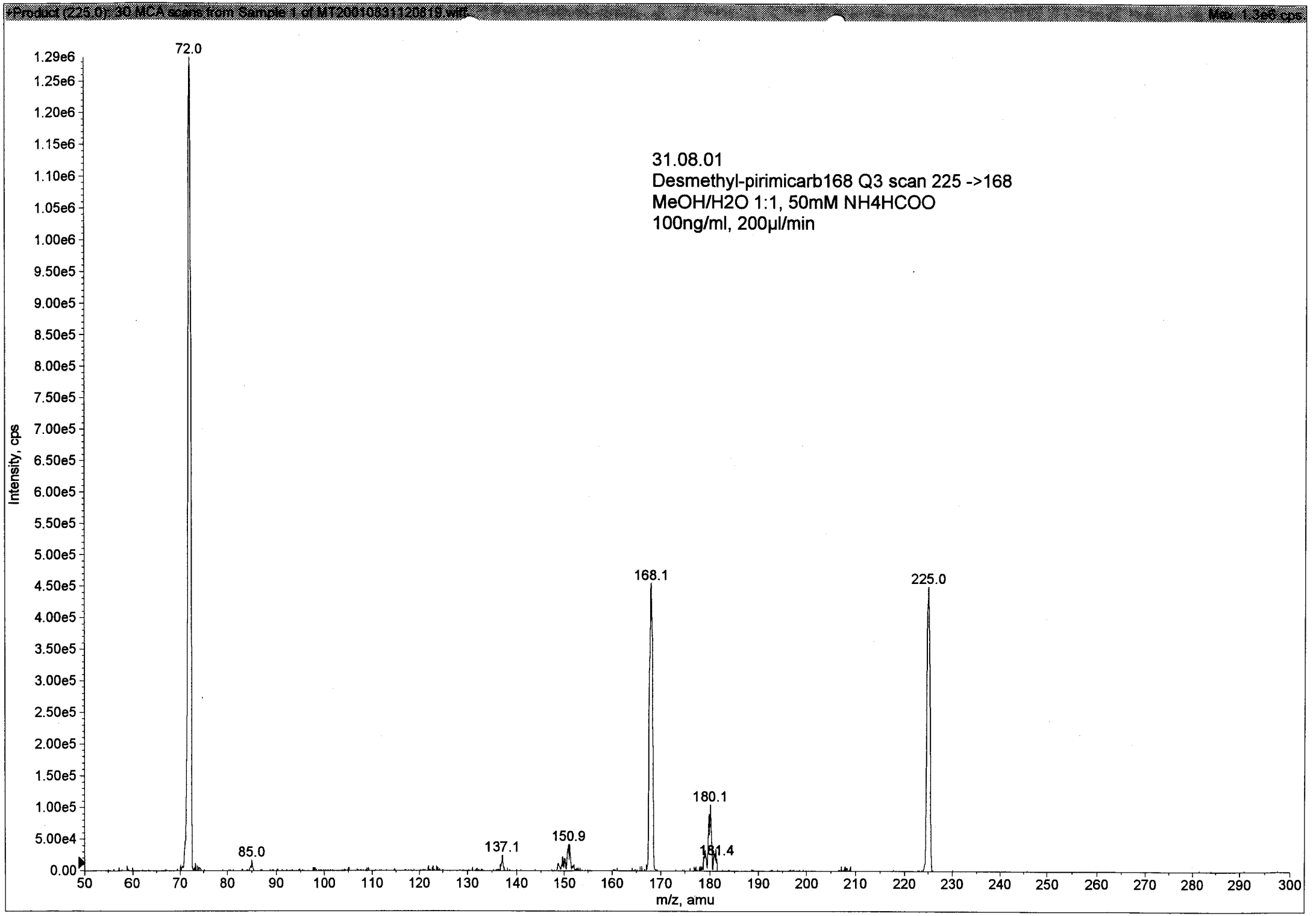
*) For API 3000 and 4000 enhance DP by 20V

Fragmentation




+Q1: 32 MCA scans from Sample 1 of MT20010831115841.wiff
Max. 1.3e8 cps.
31.08.01
Desmethyl-pirimicarb Q1 scan 225 [M+H]+
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min
[M+H]+
225
Intensity, cps
m/z, amu
58.9
50.5
62.8
73.8
81.9
90.9
102.0
106.8
114.1
131.0
148.0
157.9
162.9
164.0
168.0
177.0
180.1
181.1
196.2
198.1
214.0
216.0
223.1
226.1
231.1
240.1
259.2
279.0
306.2
315.1
332.2
337.2
354.3
360.3
391.2


+Product (225.0): 30 MCA scans from Sample 1 of MT20010831120136.wiff
Max. 1.8e6 cps
72.0
98.2
136.9
150.9
168.3
179.9
225.1
31.08.01
Desmethyl-pirimicarb Q3 scan 225 ->72
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min
Intensity, cps
m/z, amu


+Product (225.0): 30 MCA scans from Sample 1 of MT20010831120619.wiff
Max. 1.3e6 cps
31.08.01
Desmethyl-pirimicarb168 Q3 scan 225 ->168
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min
Intensity, cps
m/z, amu
72.0
85.0
137.1
150.9
168.1
180.1
181.4
225.0