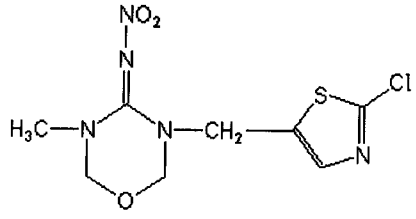
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Thiamethoxam

CAS No.: 153719-23-4
Formula: C8H10ClN5O3S
Molecular mass (lowest isotopes): 291,02 amu

Structure:



Ionisation: ESI + Quasimolecular ion: 292,0 amu = [M+H]+

Analyte sensitive parameter set (API 2000)

Transition	292,0 → 211,0	292,0 → 181,0
Declustering potential (DP)*)	54 V	54 V
Focusing potential (FP)	330 V	330 V
Entrance potential (EP)	8,5 V	8,5 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	17 V	31 V
Collision cell exit potential (CXP)	10 V	10 V

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

Fragmentation

$[M+H]^+ \xrightarrow[-H_2S]{-HNO_2}$? m/z 211

↓ − HCHO

m/z 181

Printing Date: 14 October 2002
Printing Time: 11:02:30

Acq. Date: Monday, October 14, 2002
Acq. Time: 11:01
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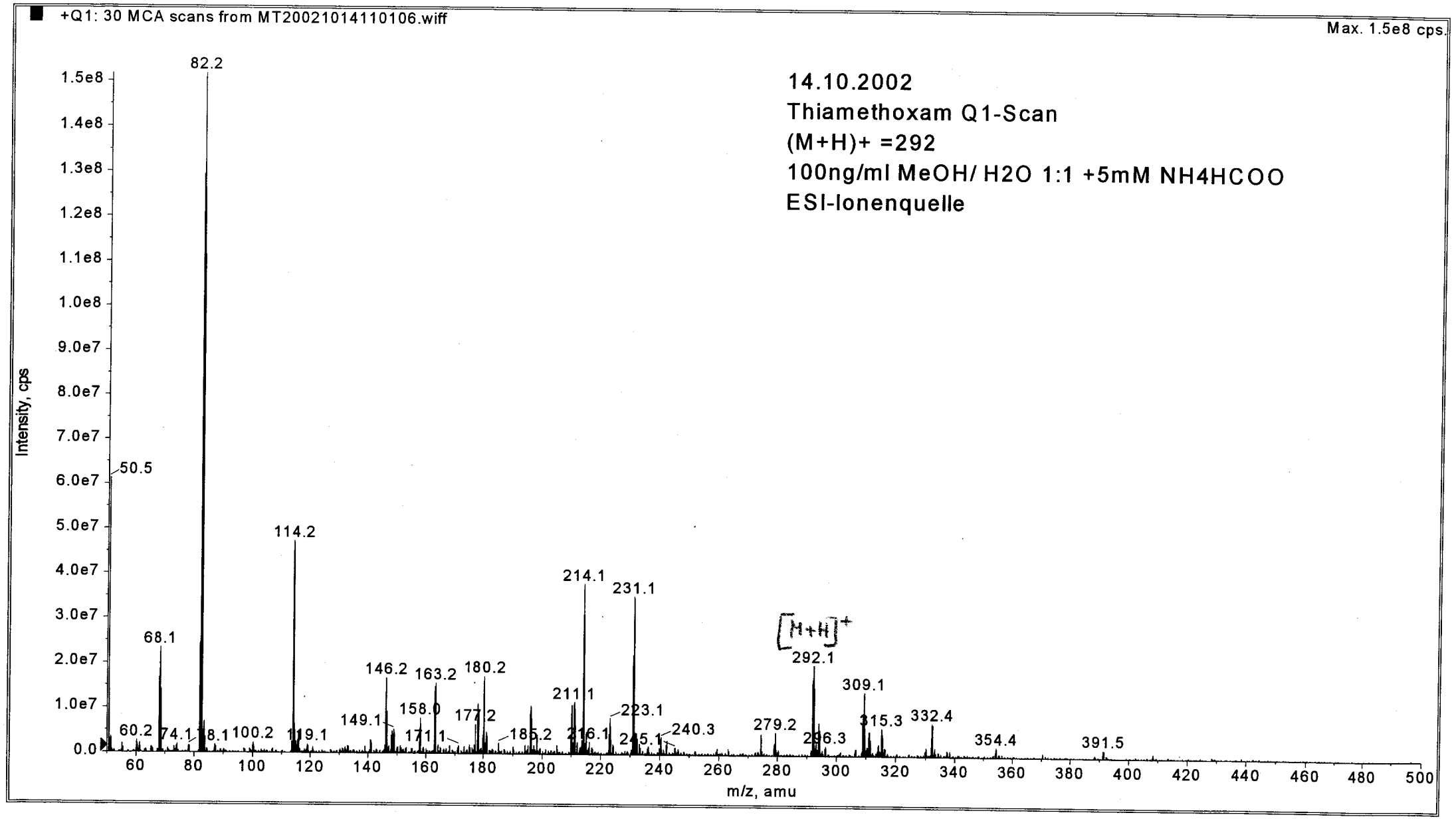
Sample Comment:
Sample Name:
Batch Name: N/A



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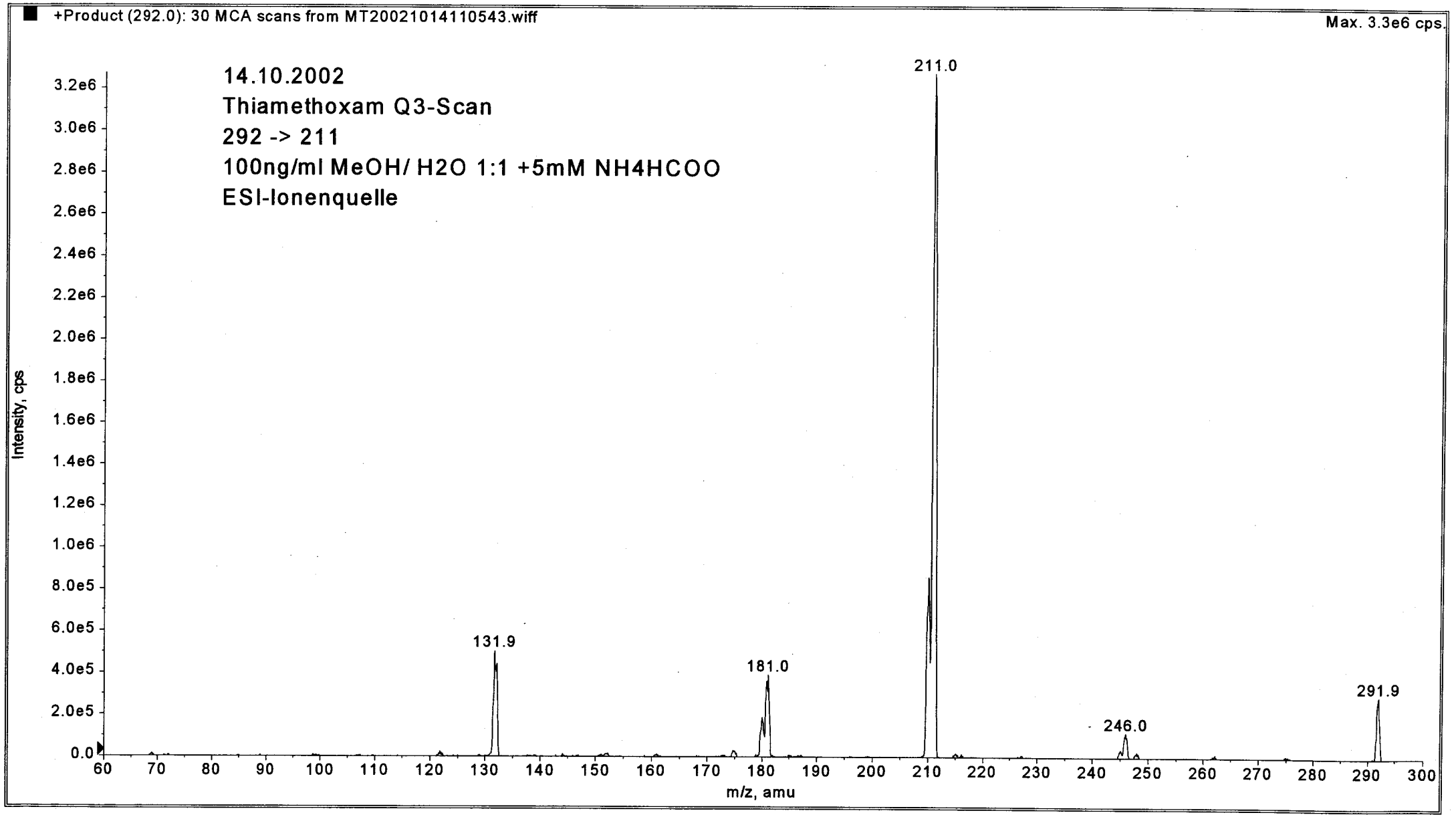

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