

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

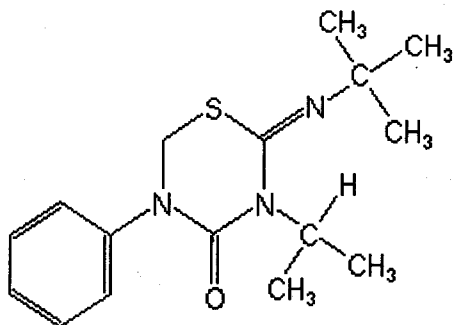
Analyte: Buprofezin

CAS No.: 69327-76-0

Formula: C₁₆H₂₃N₃OS

Molecular mass (lowest isotopes): 305,16 amu

Structure:



Ionisation: ESI +

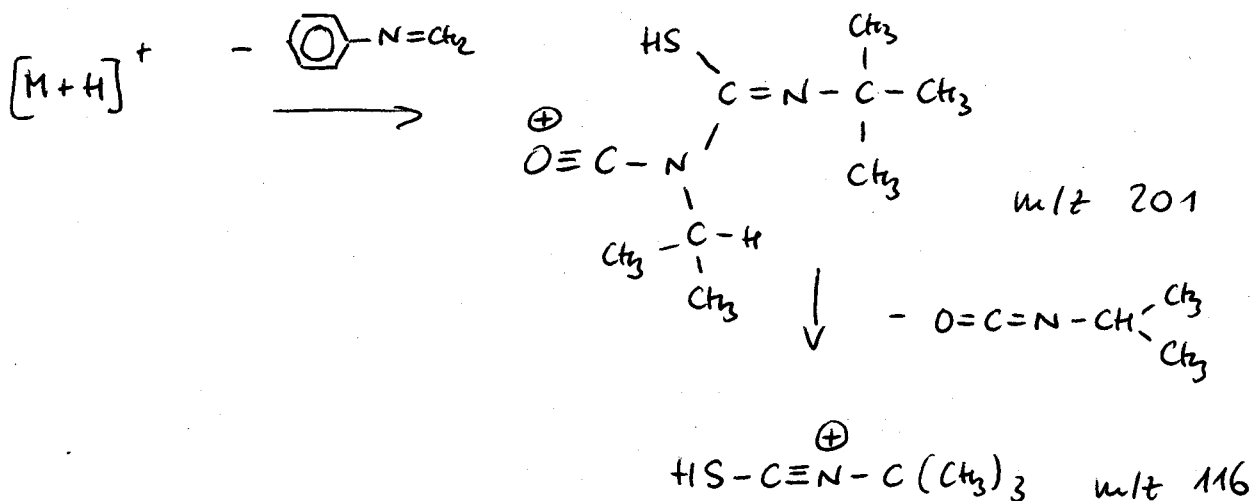
Quasimolecular ion: 306,2 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	306,2 → 201,2	306,2 → 116,2
Declustering potential (DP) ^{*)}	9 V	9 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	9,0 V	10,0 V
Collision cell entrance potential (CEP)	20 V	21 V
Collision energy (CE)	17 V	21 V
Collision cell exit potential (CXP)	10 V	6 V

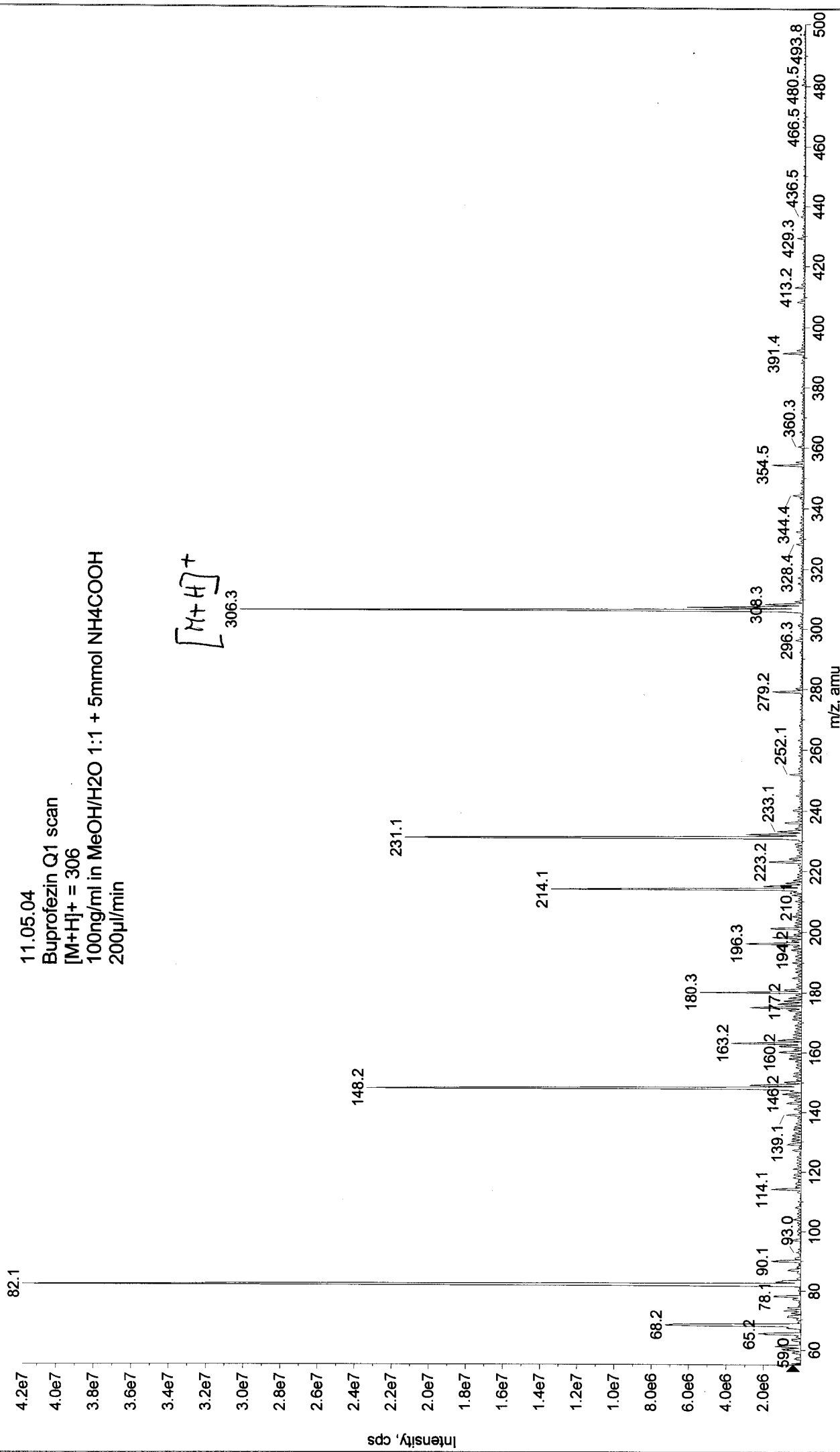
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

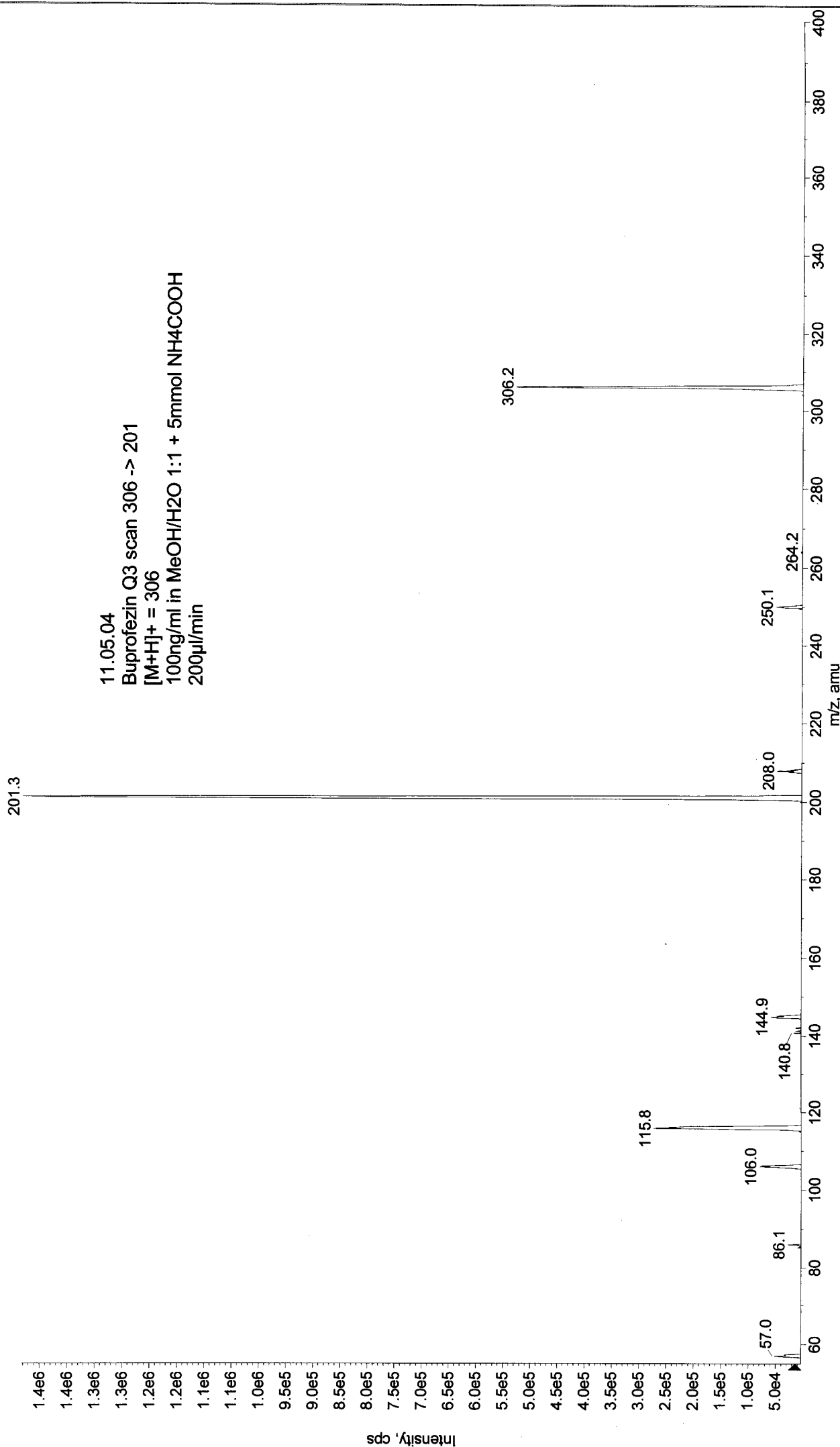


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040512105819.wiff (Turbo Spray)

Max. 4.2e7 cps.



■ +MS2 (306.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040512110129.wiff (Turbo Spray) Max. 1.4e6 cps



Max. 1.0e6 cps

■ +MS2 (306.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040512111124.wiff (Turbo Spray)

