

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

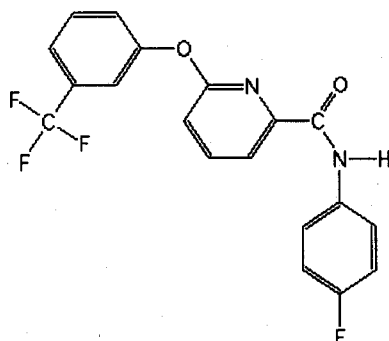
Analyte: Picolinafen

CAS No.: 137641-05-5

Formula: C₁₉H₁₂F₄N₂O₂

Molecular mass (lowest isotopes): 376,08 amu

Structure:



Ionisation: ESI +

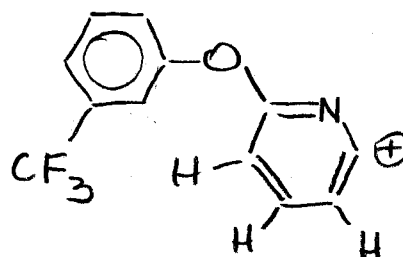
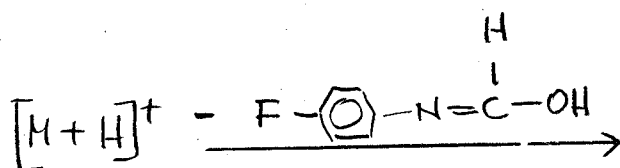
Quasimolecular ion: 377,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

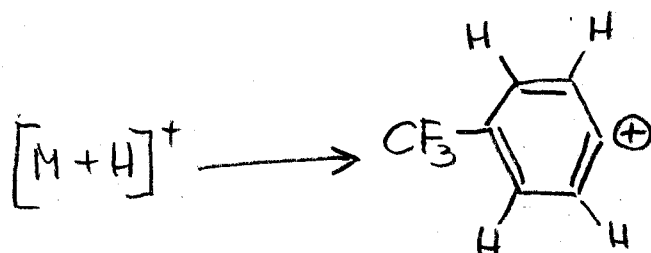
Transition	377,1 → 145,0	377,1 → 238,1
Declustering potential (DP) ^{*)}	56 V	56 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	9,0 V	10,0 V
Collision cell entrance potential (CEP)	28 V	22 V
Collision energy (CE)	69 V	35 V
Collision cell exit potential (CXP)	8 V	12 V

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

Fragmentation

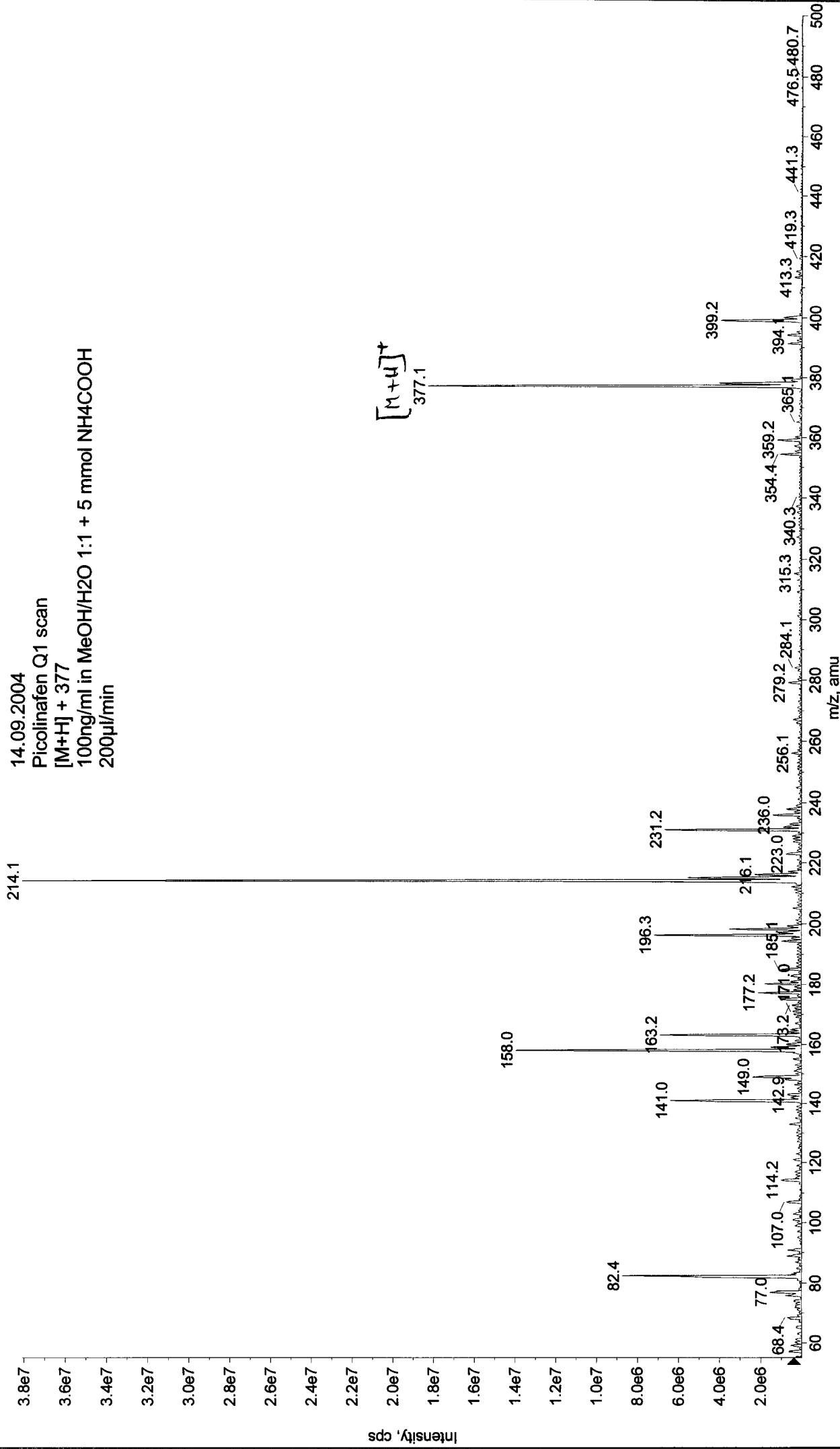


m/z 238

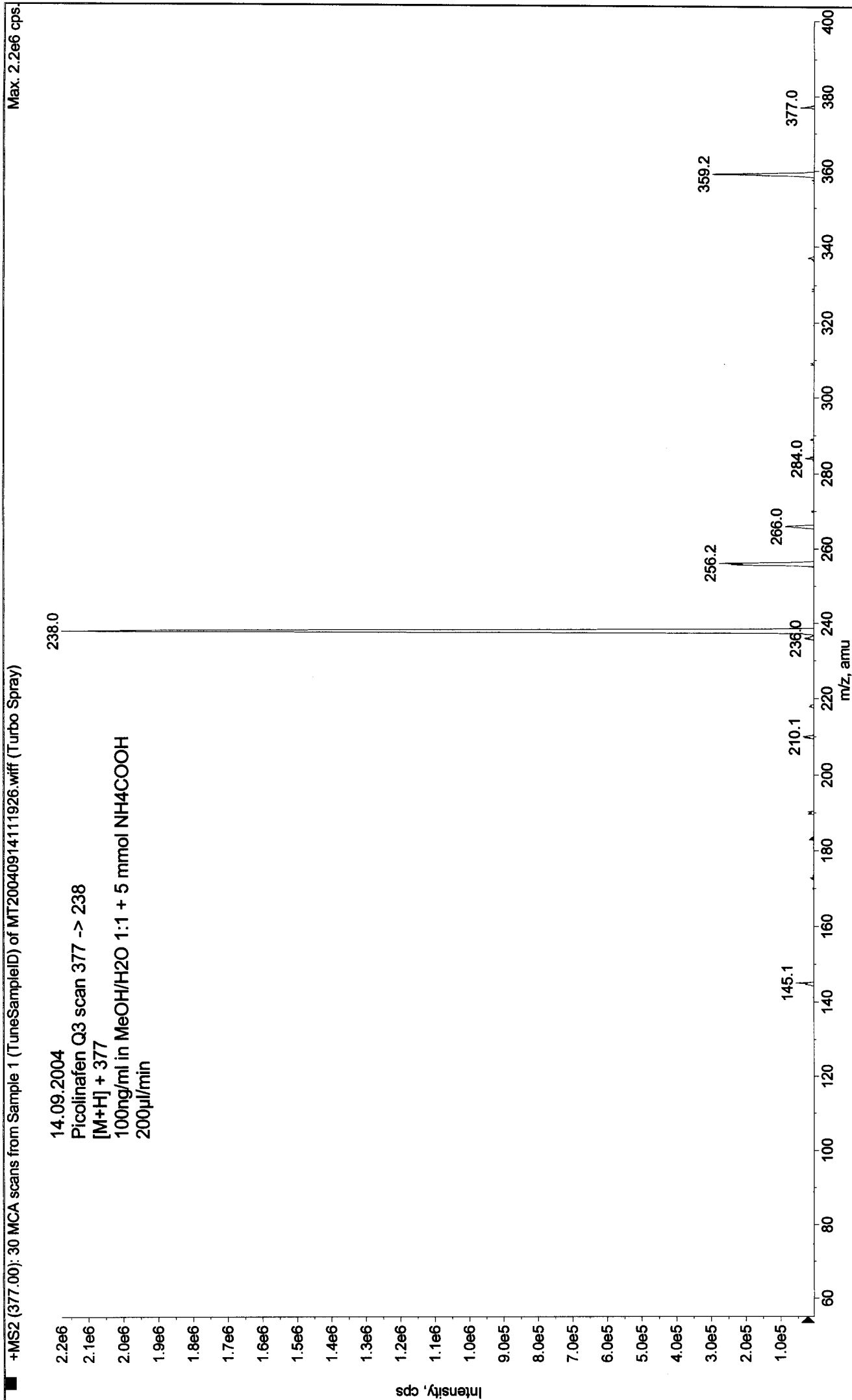


m/z 145

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040914111705.wiff (Turbo Spray) Max. 3.8e7 cps



Max. 2.2e6 cps



Max. 9.7e5 cps

+MS2 (377.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040914112703.wiff (Turbo Spray)

