

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

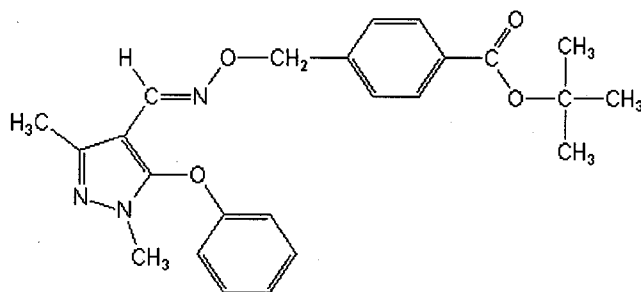
Analyte: Fenpyroximate

CAS No.: 111812-58-9

Formula: C₂₄H₂₇N₃O₄

Molecular mass (lowest isotopes): 421,20 amu

Structure:



Ionisation: ESI +

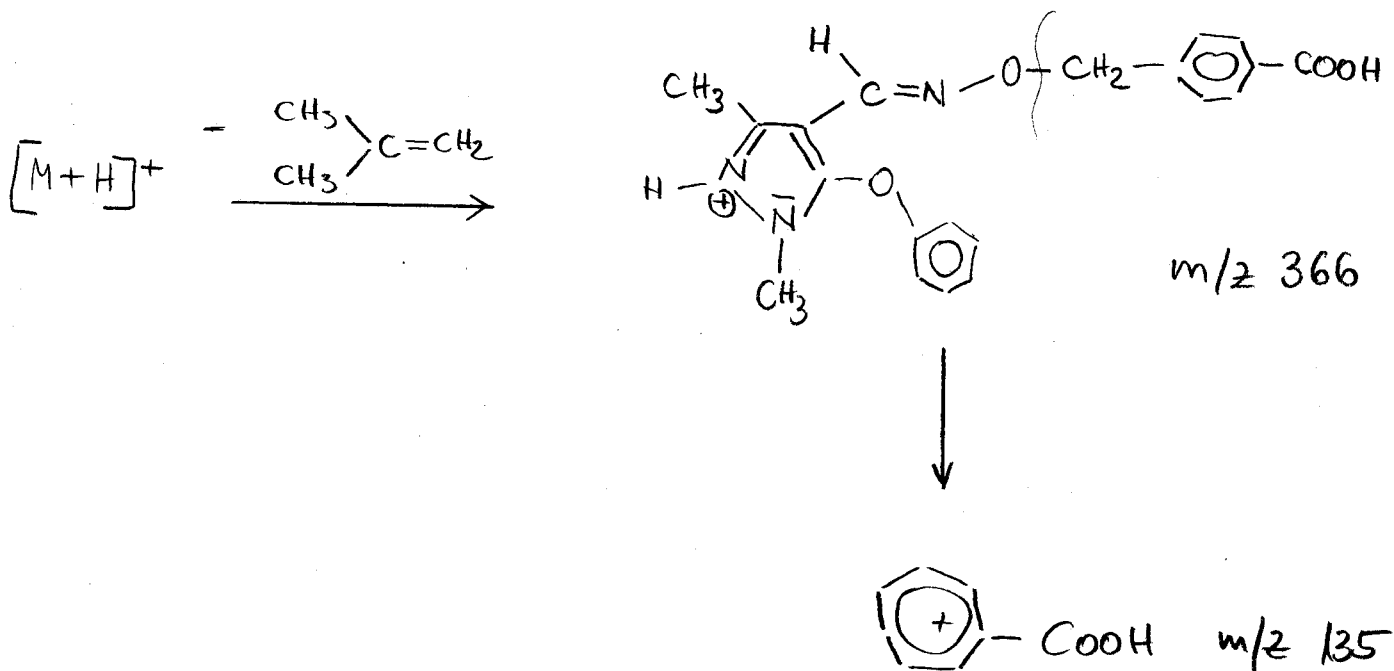
Quasimolecular ion: 422,2 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

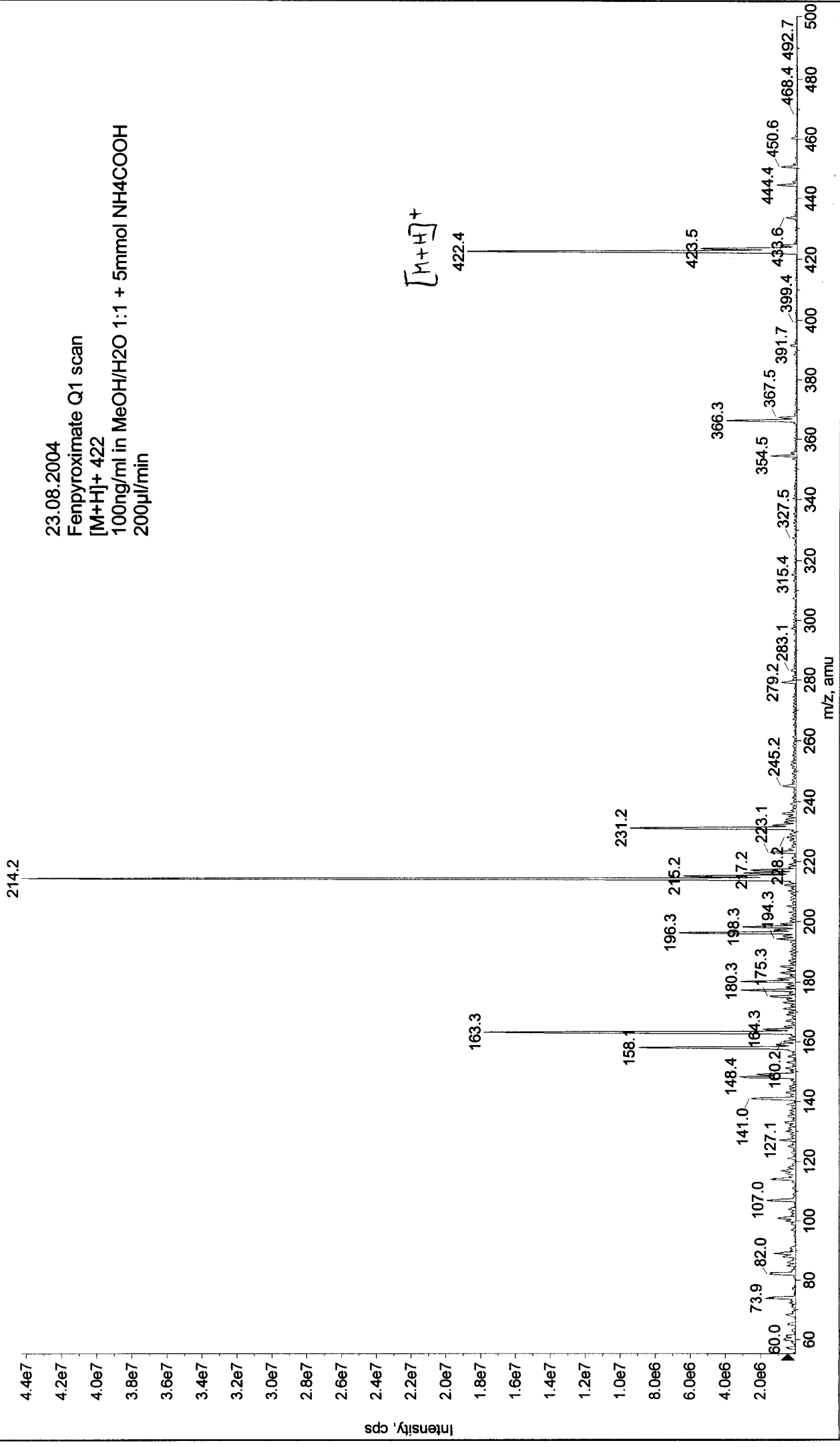
Transition	422,2 → 366,3	422,2 → 135,2
Declustering potential (DP) ^{*)}	21 V	21 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,0 V	7,5 V
Collision cell entrance potential (CEP)	22 V	20 V
Collision energy (CE)	23 V	41 V
Collision cell exit potential (CXP)	20 V	6 V

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

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040823122407.wiff (Turbo Spray) Max. 4.4e7 cps



■ +MS2 (422.40): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040823133053.wiff (Turbo Spray) Max. 1.1e6 cps

