

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

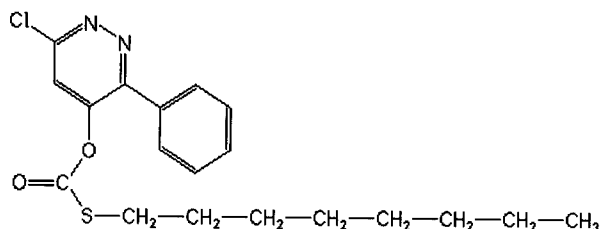
Analyte: Pyridate

CAS No.: 55512-33-9

Formula: C₁₉H₂₃ClN₂O₂S

Molecular mass (lowest isotopes): 378,12 amu

Structure:



Ionisation: ESI +

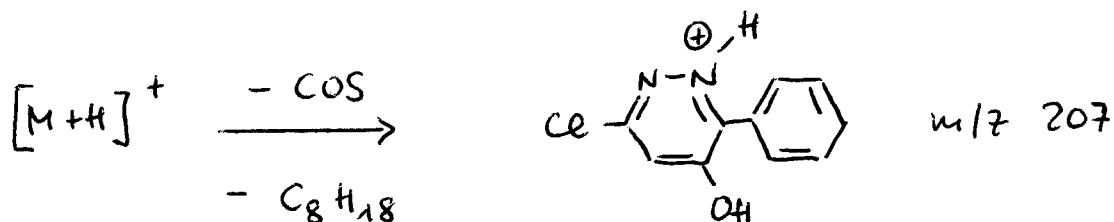
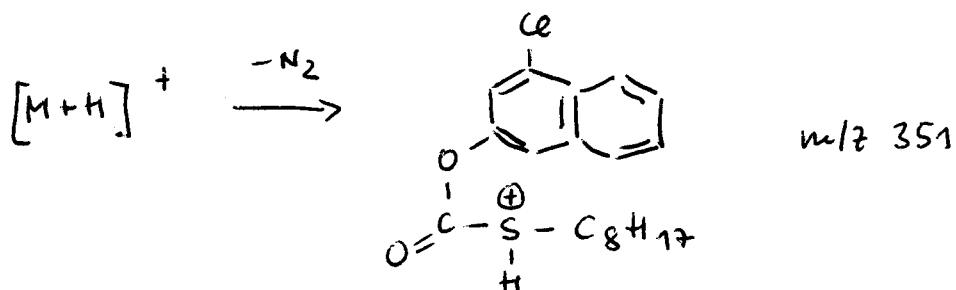
Quasimolecular ion: 379,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	379,1 → 207,1	379,1 → 351,1
Declustering potential (DP) ^{*)}	24 V	24 V
Focusing potential (FP)	350 V	310 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	21 V	17 V
Collision cell exit potential (CXP)	10 V	18 V

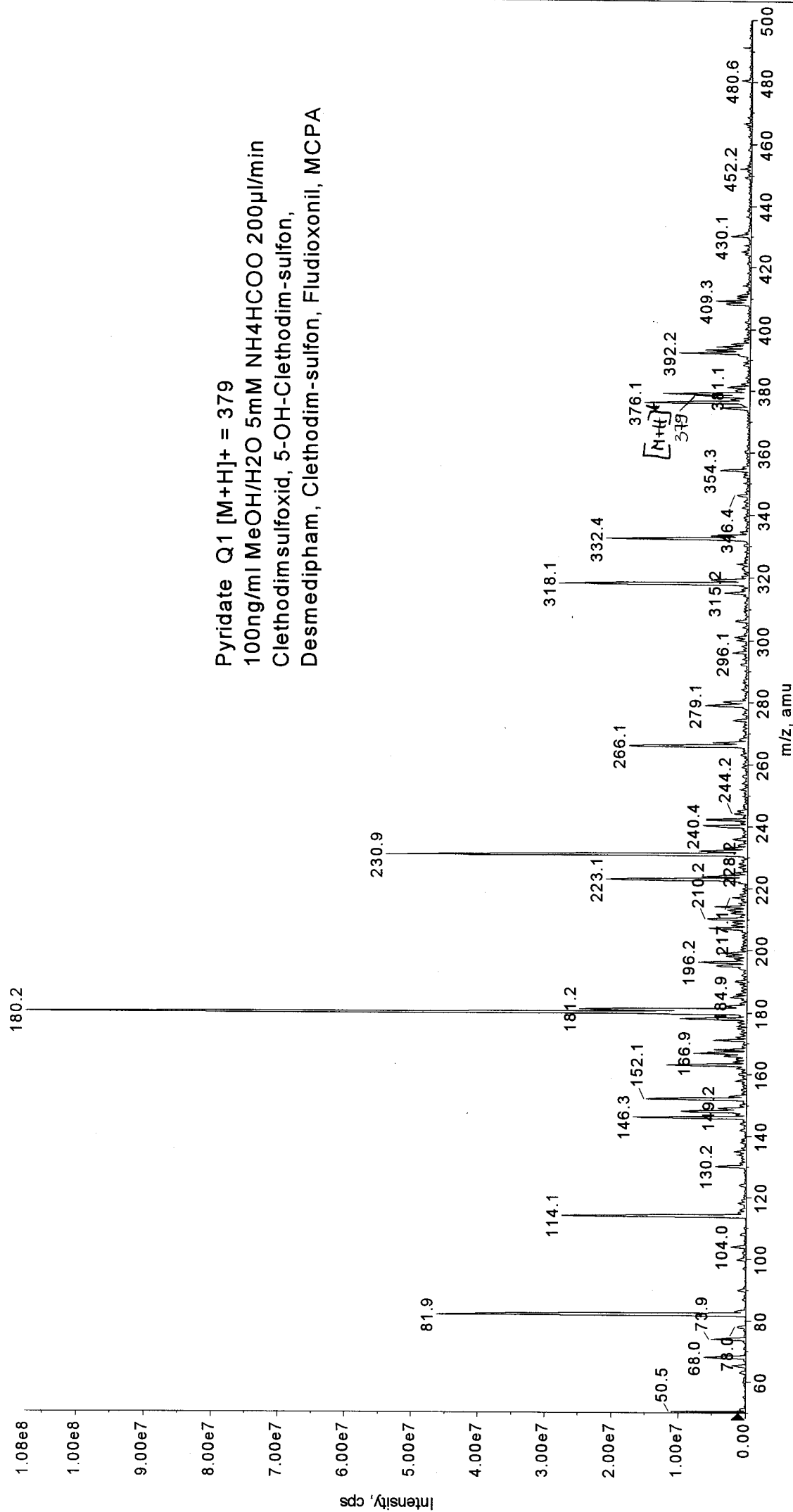
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



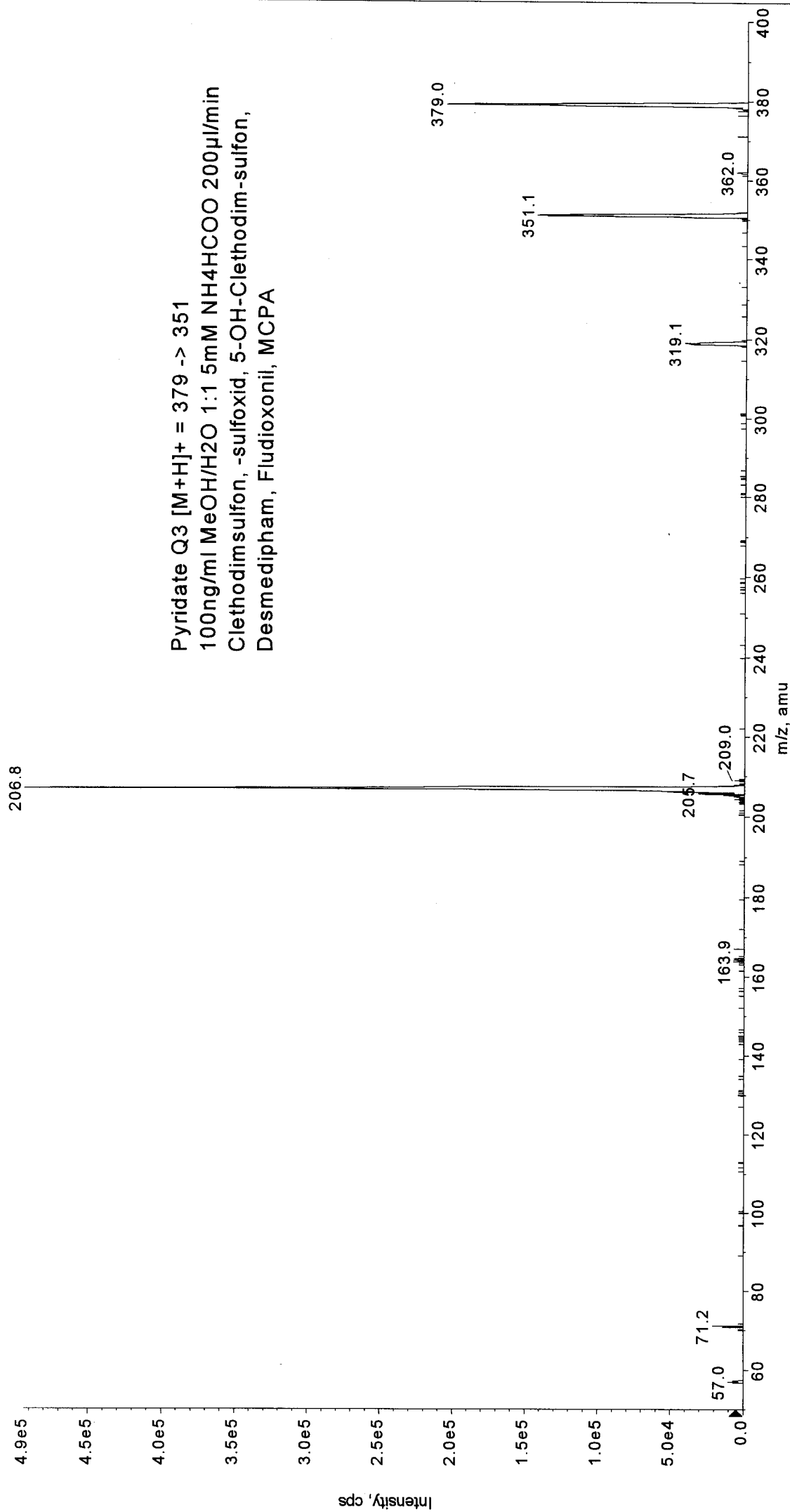
*Q1:30 MCA scans from Sample 1 of MT20020130130016.wiff

Max 1.1e8 cps



*Product (379.2): 30 MCA scans from Sample 1 of MT20020130130919.wiff

Max. 4.9e5 cps



*Product (379.2): 30 MCA scans from Sample 1 of MT20020130130216.wiff Max 6.1e5 cps

