

MS/MS Parameters of Pesticides

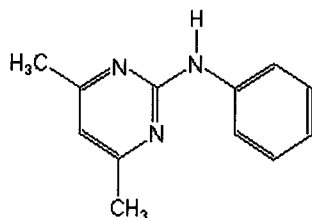
Analyte: Pyrimethanil

CAS No.: 53112-28-0

Formula: C₁₂H₁₃N₃

Molecular mass (lowest isotopes): 199,11 amu

Structure:



Ionisation: ESI +

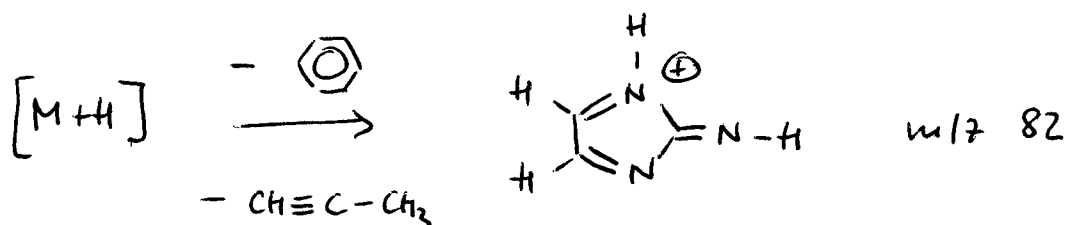
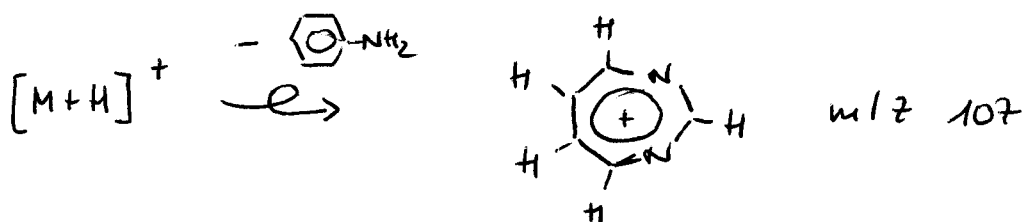
Quasimolecular ion: 200,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	200,1 → 82,0	200,1 → 106,9
Declustering potential (DP) ^{*)}	56 V	56 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	35 V	33 V
Collision cell exit potential (CXP)	4 V	6 V

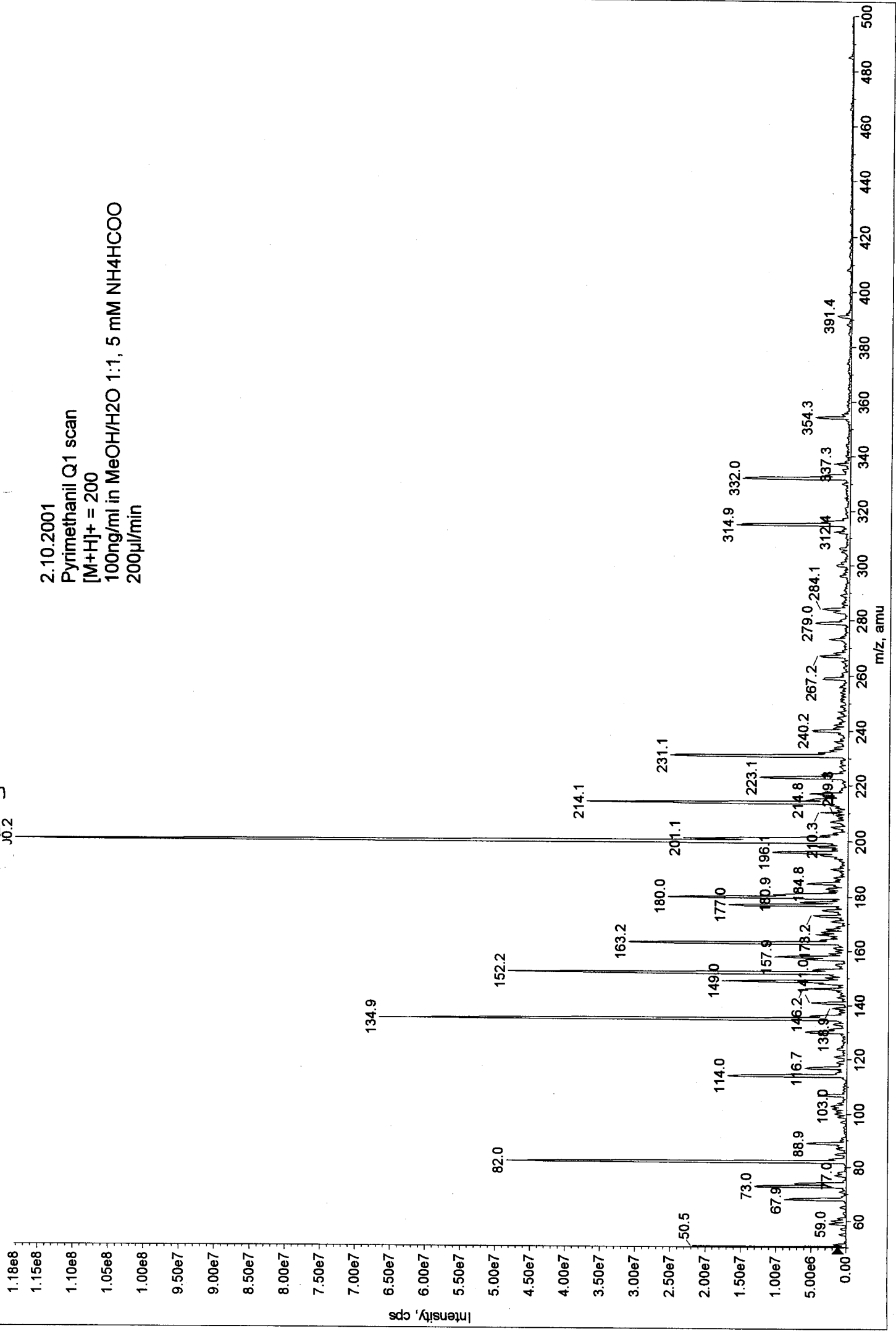
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

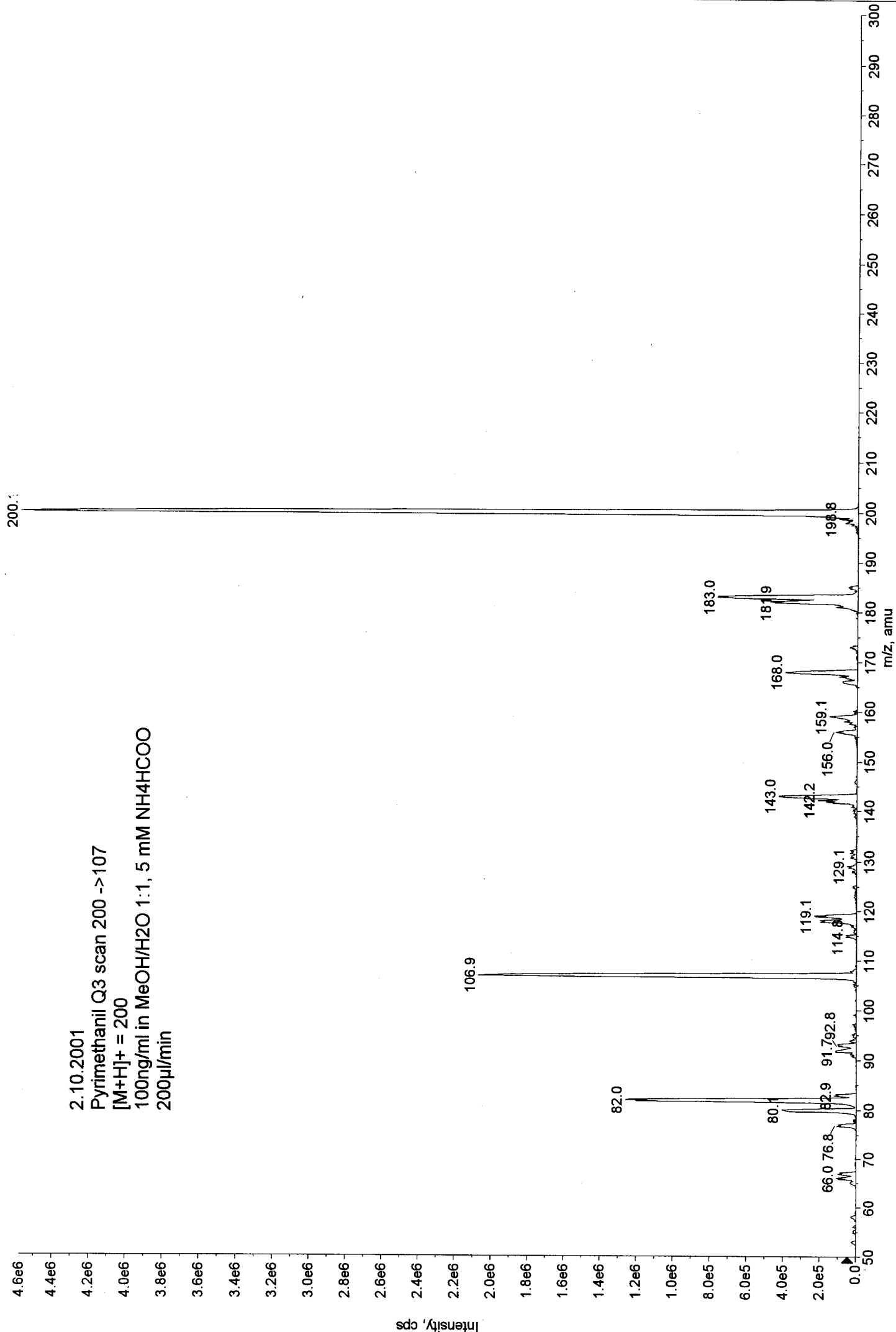


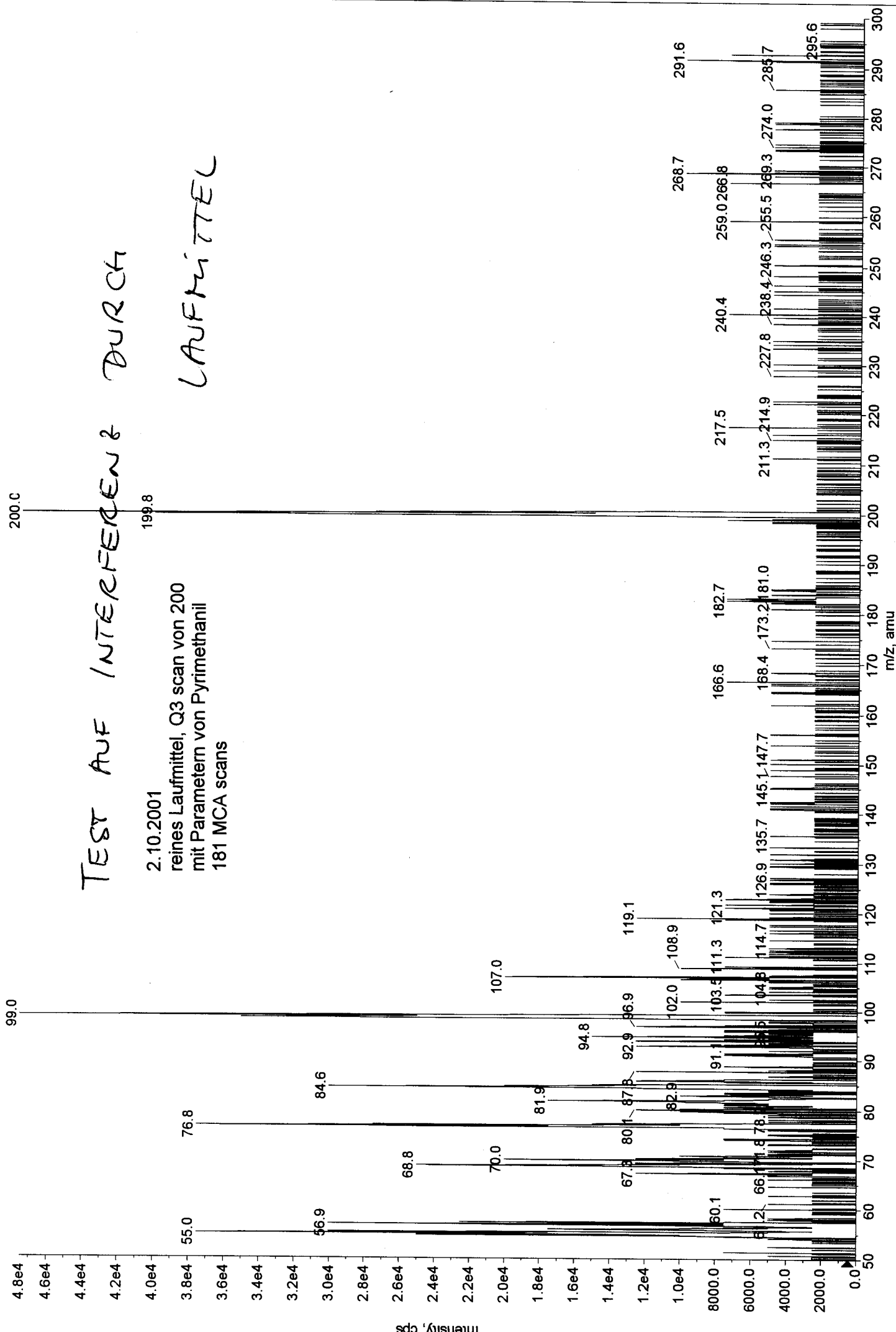
[M+H]⁺
J0.2

2.10.2001
Pyrimethanil Q1 scan
[M+H]⁺ = 200
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min



2.10.2001
Pyrimethanil Q3 scan 200 ->107
[M+H]⁺ = 200
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min





TEST AUF INTERFERENZ DURCH
LAUFMITTEL

2.10.2001
reines Laufmittel, Q3 scan von 200
mit Parametern von Pyrimethanil
181 MCA scans

2.10.2001
Pyrimethanil82 Q3 scan 200 -> 82
[M+H]⁺ = 200
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min

