

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

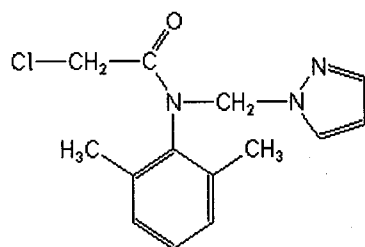
Analyte: Metazachlor

CAS No.: 67129-08-2

Formula: C₁₄H₁₆ClN₃O

Molecular mass (lowest isotopes): 277,10 amu

Structure:



Ionisation: ESI +

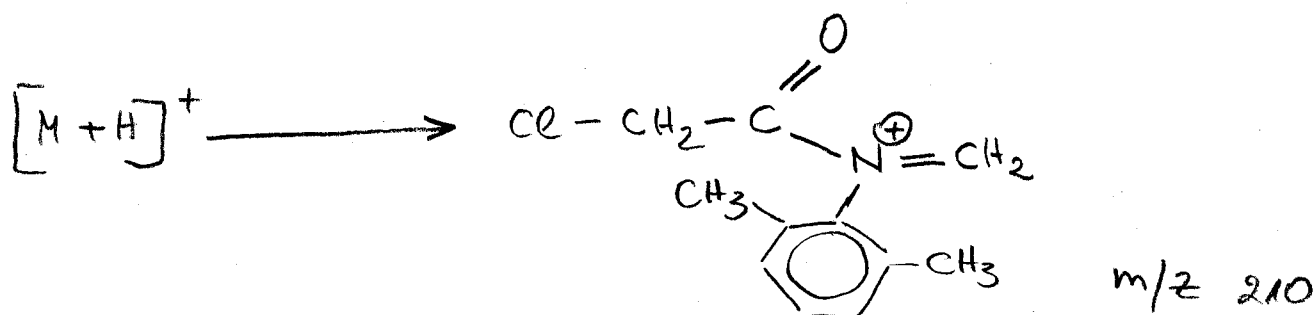
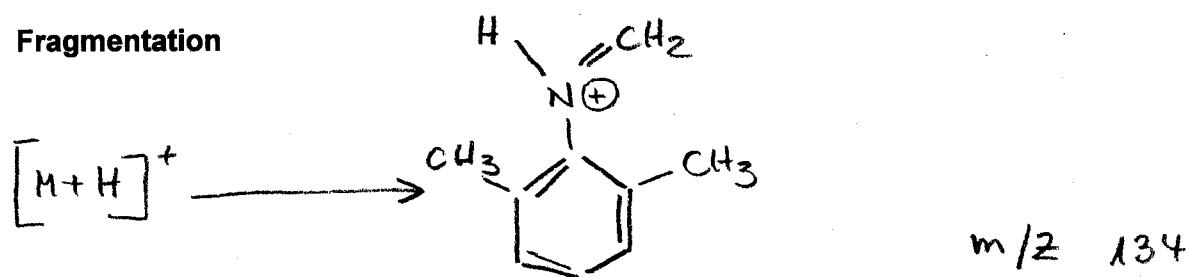
Quasimolecular ion: 278,1 amu = [M+H]⁺

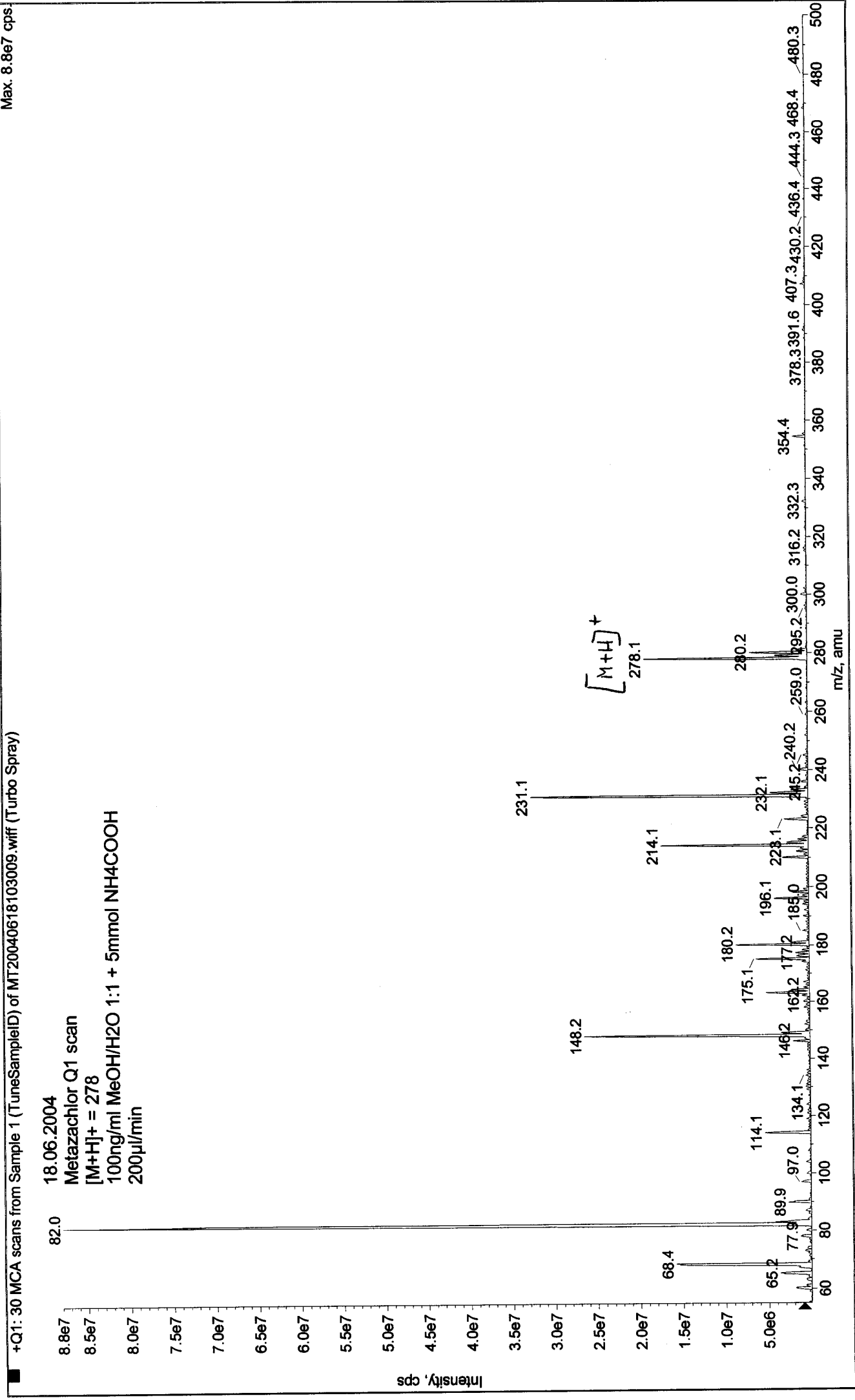
Analyte sensitive parameter set (API 2000)

Transition	278,1 → 210,1	278,1 → 134,2
Declustering potential (DP) ^{*)}	4 V	4 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	9,5 V	8,0 V
Collision cell entrance potential (CEP)	16 V	16 V
Collision energy (CE)	15 V	29 V
Collision cell exit potential (CXP)	10 V	6 V

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

Fragmentation

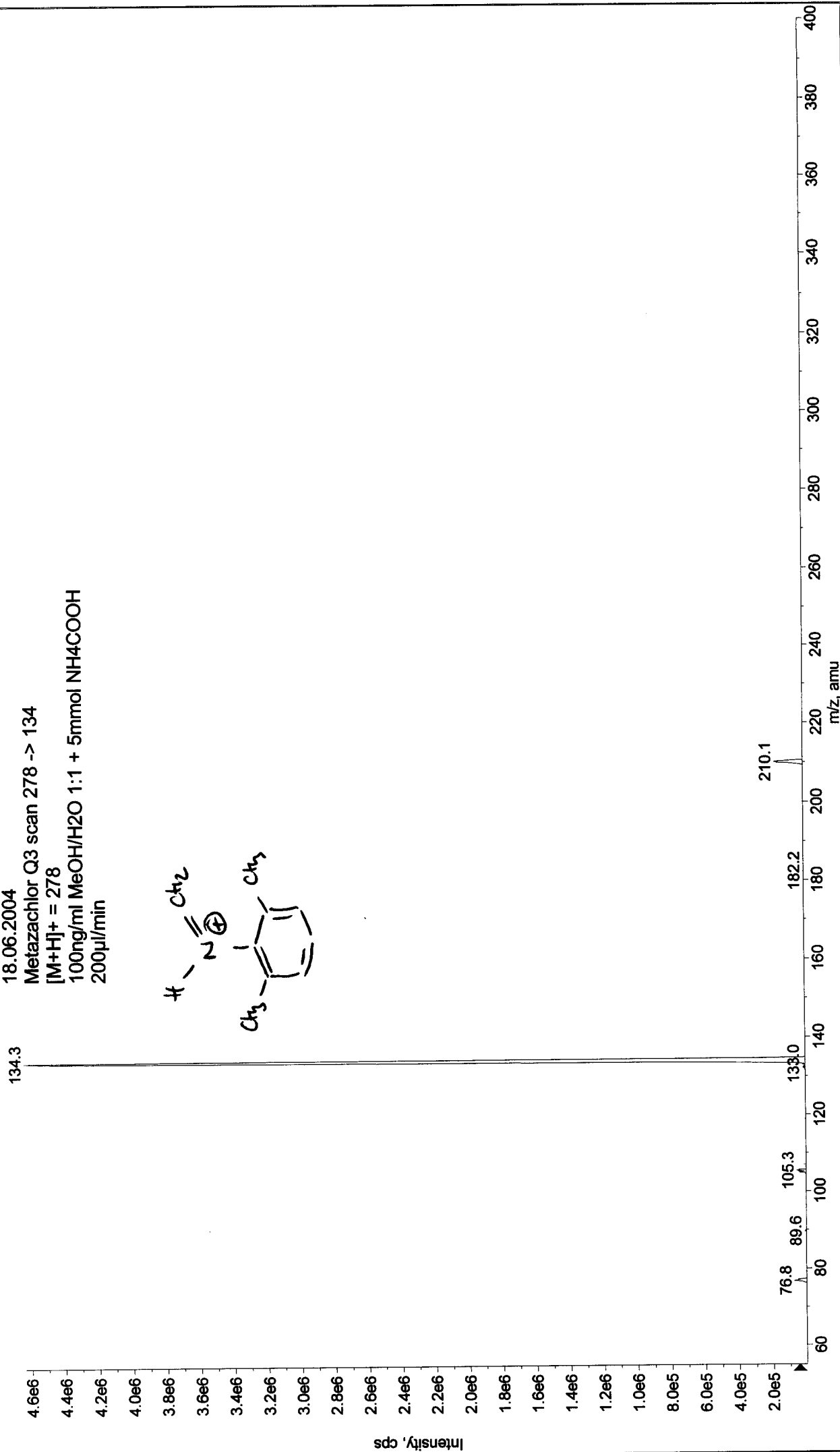
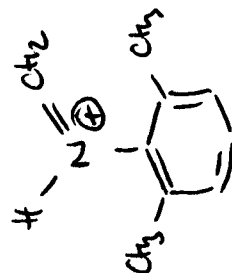




Max. 4.6e6 cps.

+MS2 (278.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040618103303.wiff (Turbo Spray)

18.06.2004
Metazachlor Q3 scan 278 -> 134
[M+H]⁺ = 278
100ng/ml MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Max. 2.4e6 cps

■ +MS2 (278.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040618104120.wiff (Turbo Spray)

