

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

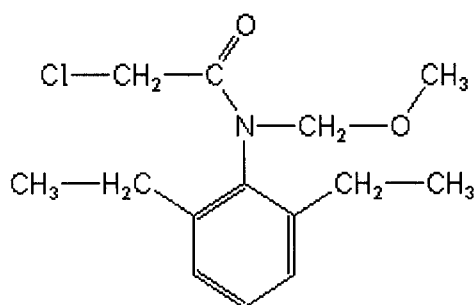
Analyte: Alachlor

CAS No.: 15972-60-8

Formula: C₁₄H₂₀ClNO₂

Molecular mass (lowest isotopes): 269,12 amu

Structure:



Ionisation: ESI +

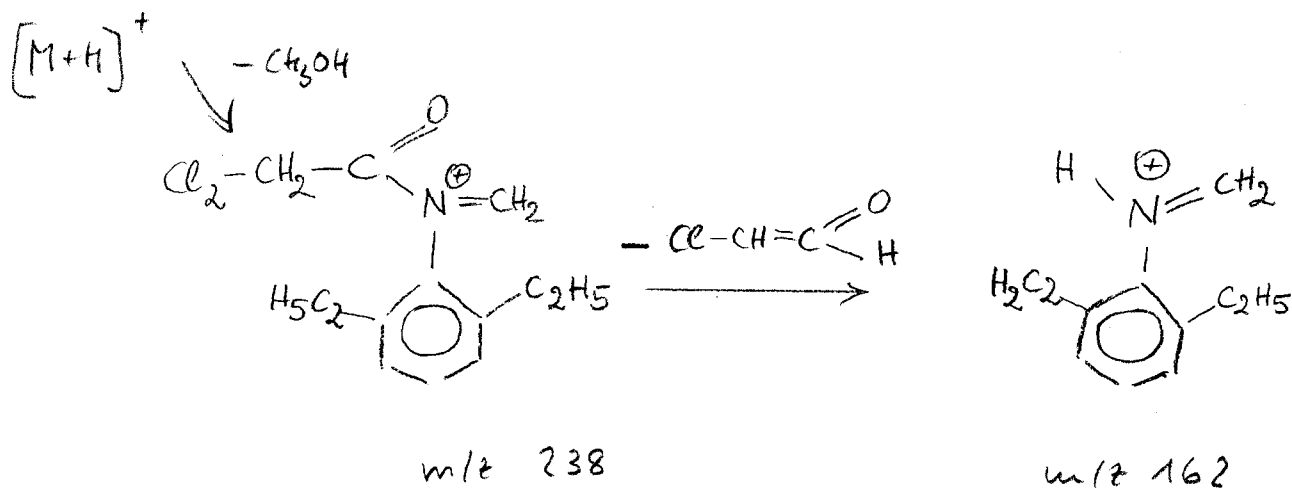
Quasimolecular ion: 270,1 amu = [M+H]⁺

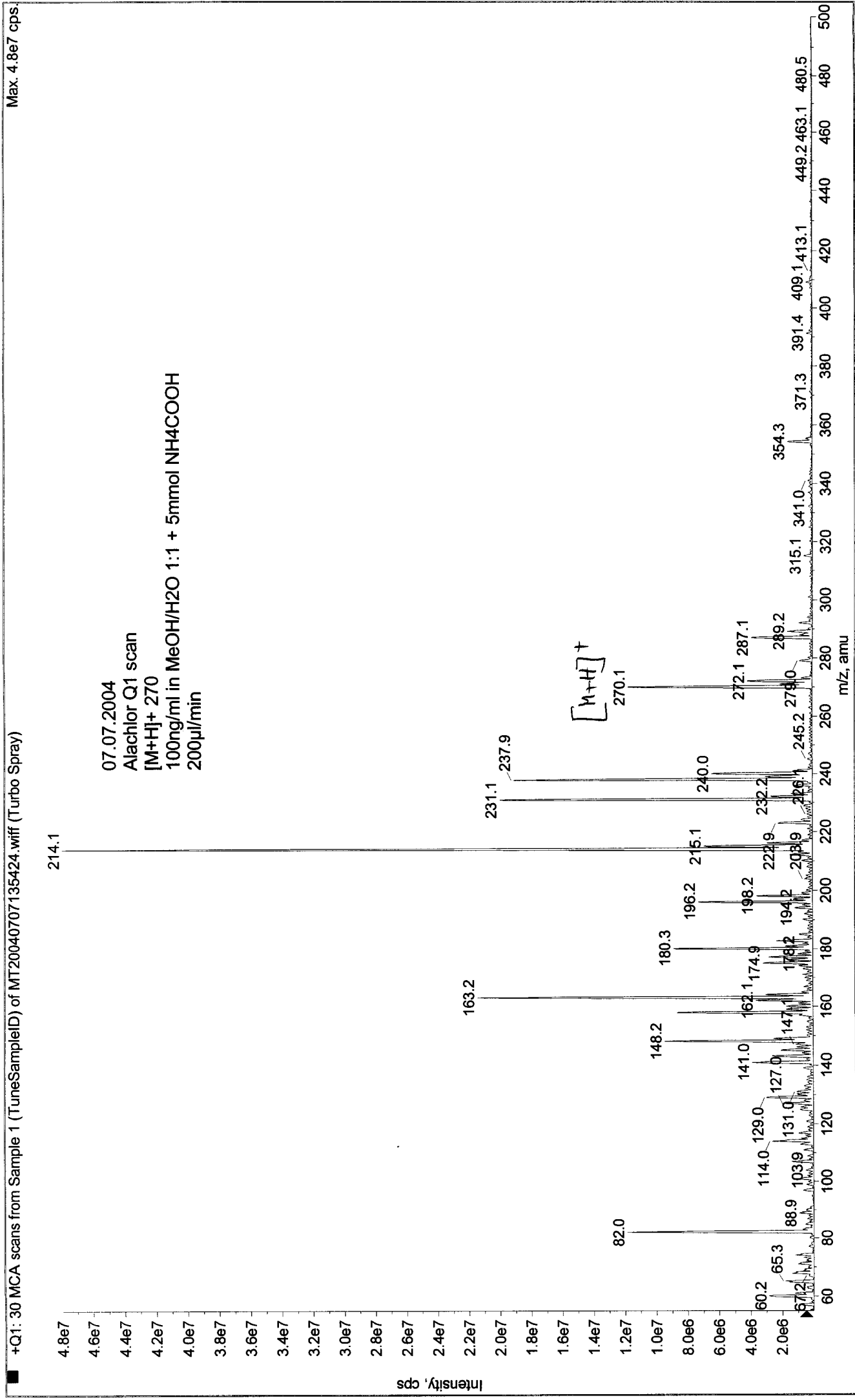
Analyte sensitive parameter set (API 2000)

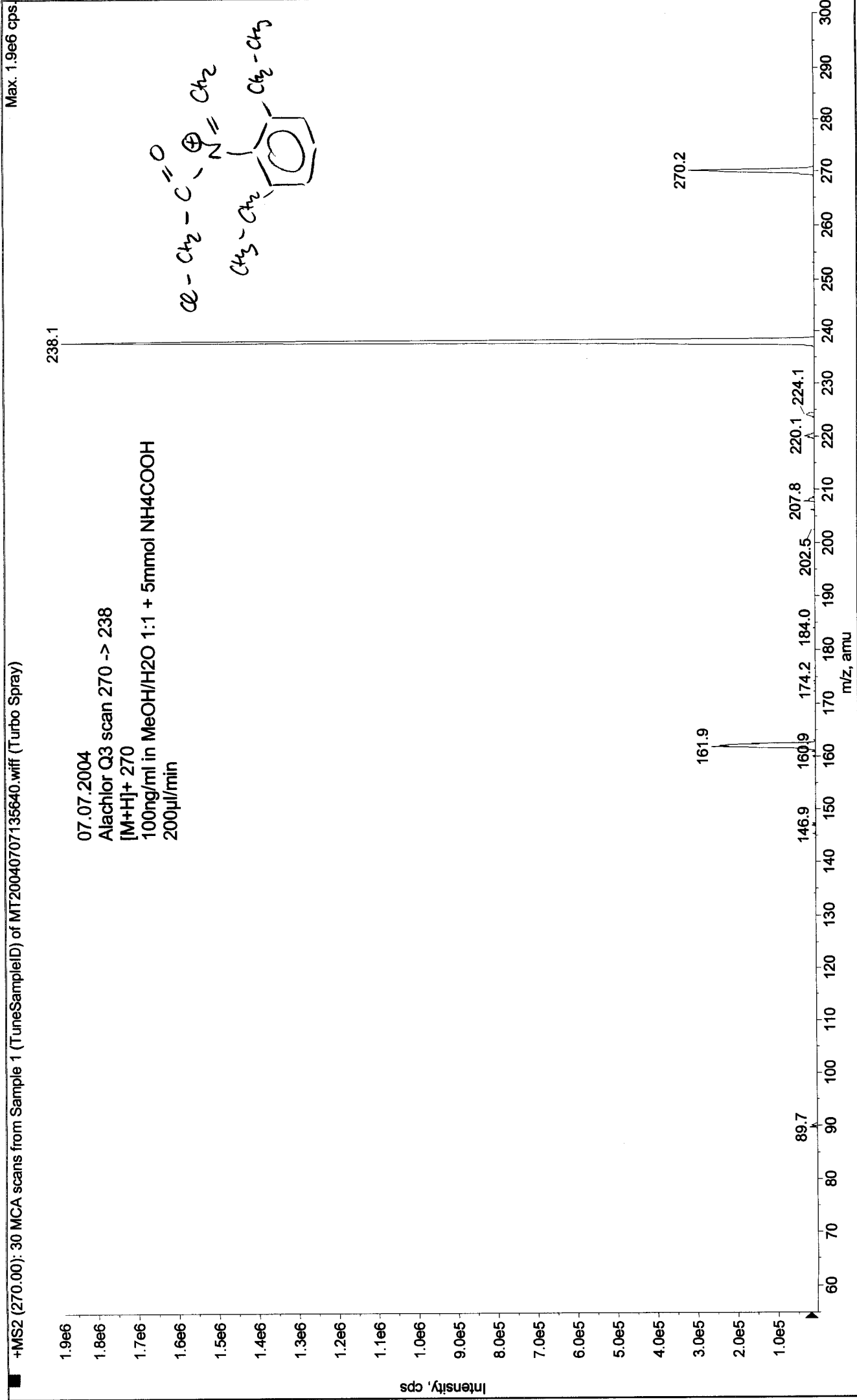
Transition	270,1 → 238,1	270,1 → 162,2
Declustering potential (DP) ^{*)}	31V	31 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	11,0 V	11,0 V
Collision cell entrance potential (CEP)	16 V	16 V
Collision energy (CE)	15 V	25 V
Collision cell exit potential (CXP)	12 V	8 V

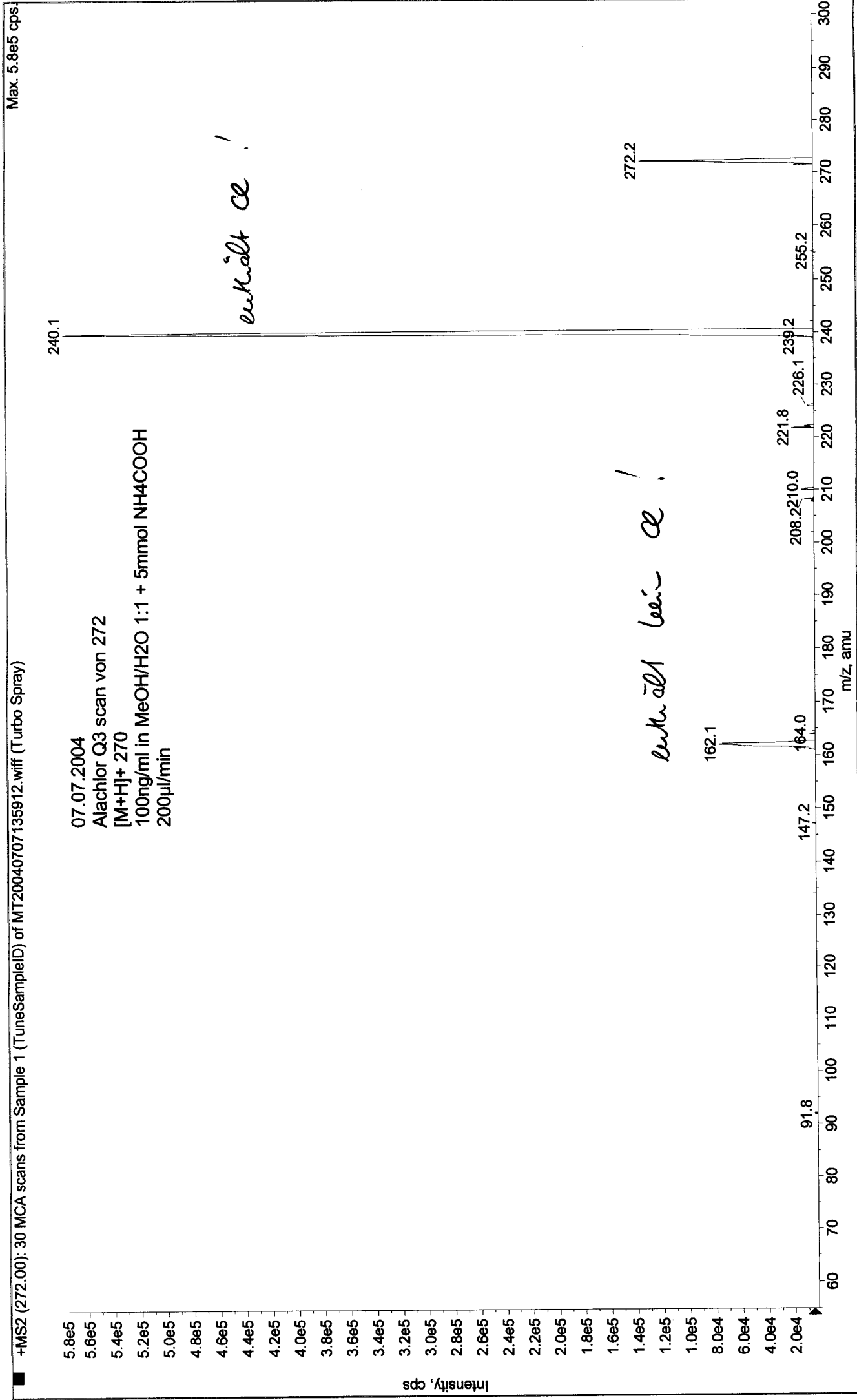
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation









MS2 (270.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040707141059.wiff (Turbo Spray)

07.07.2004
Alachlor_162 Q3 scan 270 -> 162
[M+H]⁺ 270
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

