

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

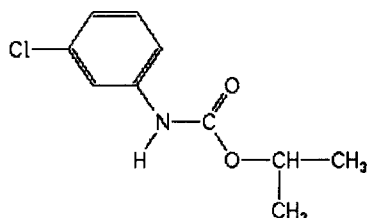
Analyte: Chlorpropham

CAS No.: 101-21-3

Formula: C₁₀H₁₂ClNO₂

Molecular mass (lowest isotopes): 213,06 amu

Structure:



Ionisation: ESI +

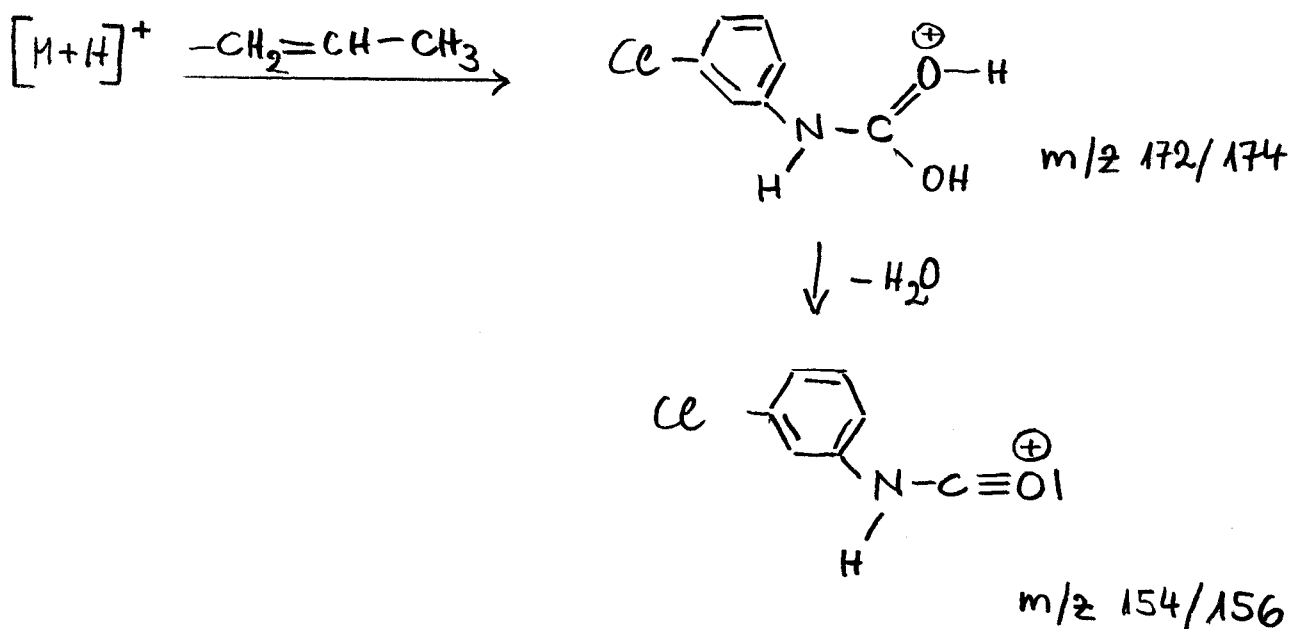
Quasimolecular ion: 214,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

| Transition | 214,1 → 172,1 | 214,1 → 154,0 |
|---|---------------|---------------|
| Declustering potential (DP) ^{*)} | 64 V | 64 V |
| Focusing potential (FP) | 370 V | 350 V |
| Entrance potential (EP) | 10,0 V | 12,0 V |
| Collision cell entrance potential (CEP) | 12 V | 12 V |
| Collision energy (CE) | 13 V | 25 V |
| Collision cell exit potential (CXP) | 8 V | 8 V |

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

Fragmentation

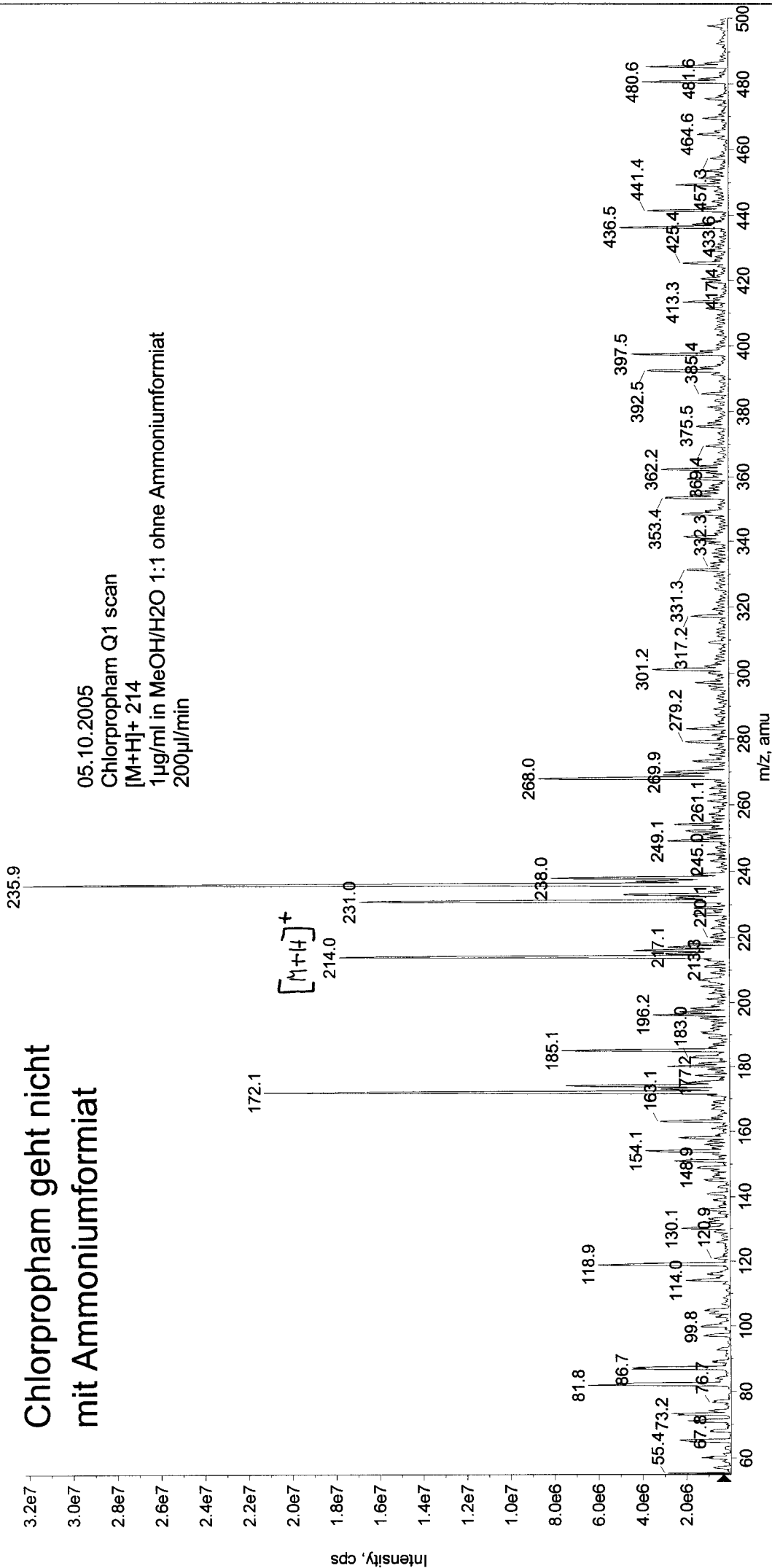


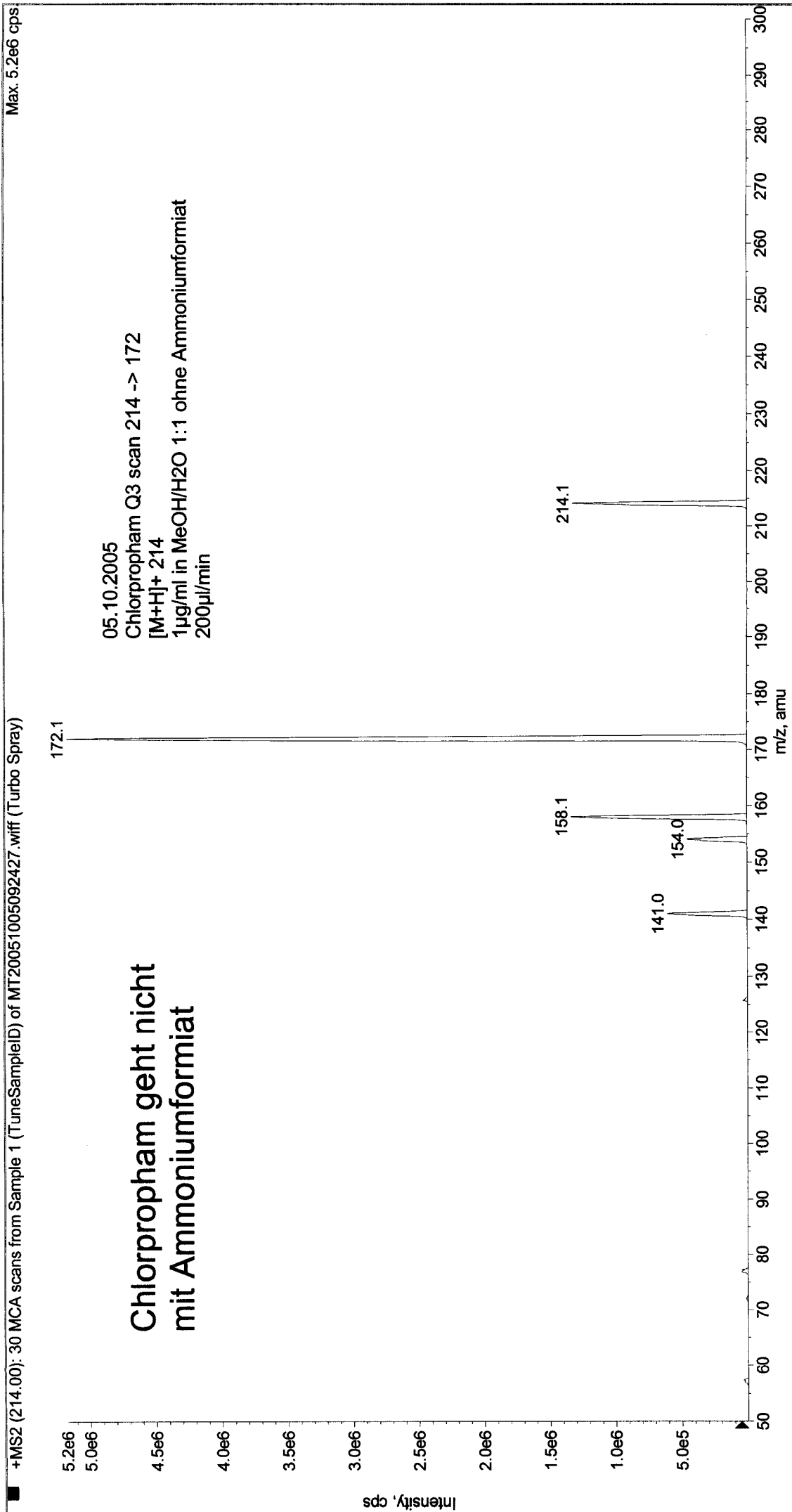
■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20051005091243.wiff (Turbo Spray)

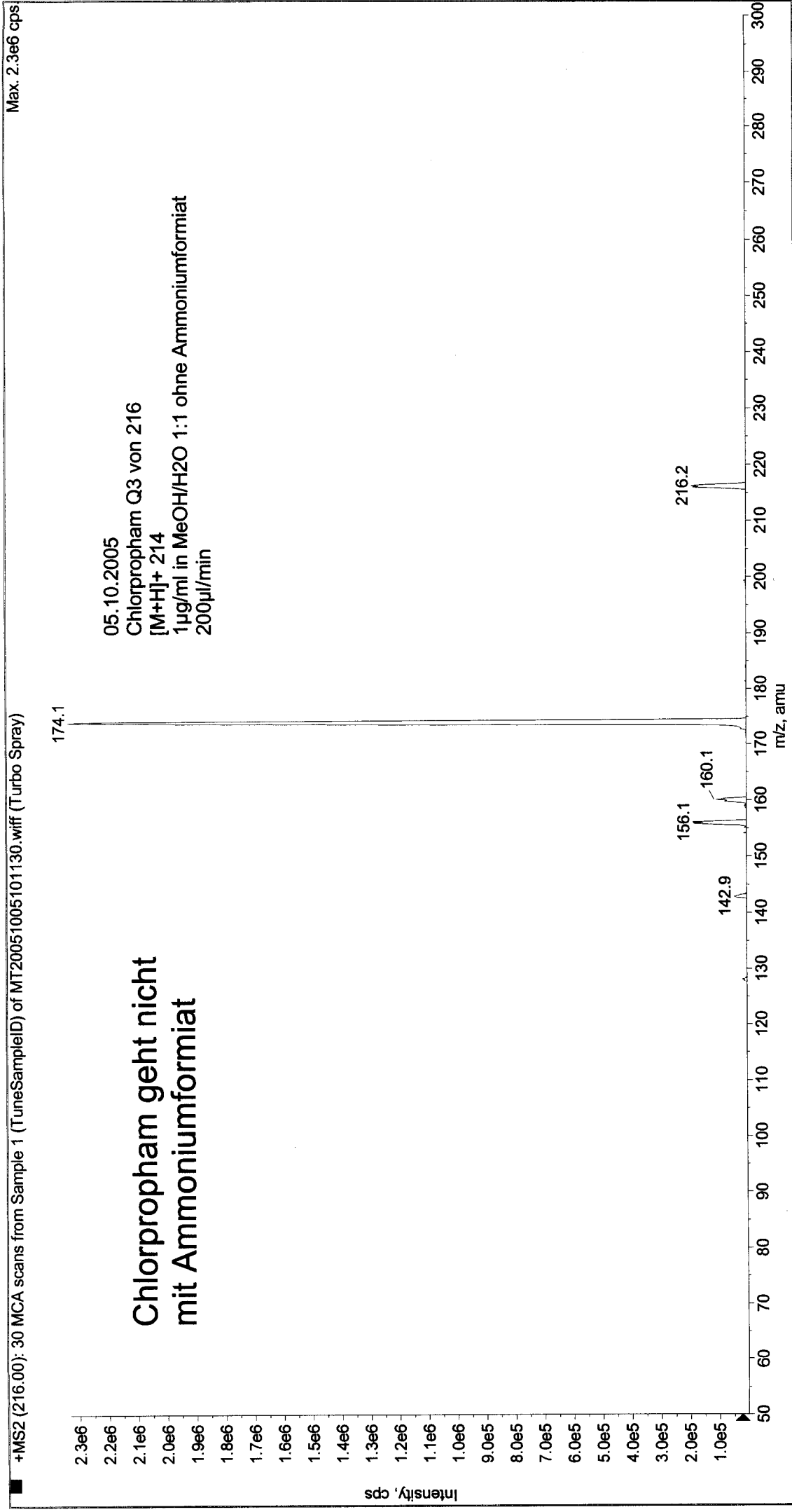
Max. 3.2e7 cps

Chlorpropham geht nicht mit Ammoniumformiat

05.10.2005
Chlorpropham Q1 scan
[M+H]⁺ 214
1µg/ml in MeOH/H₂O 1:1 ohne Ammoniumformiat
200µl/min





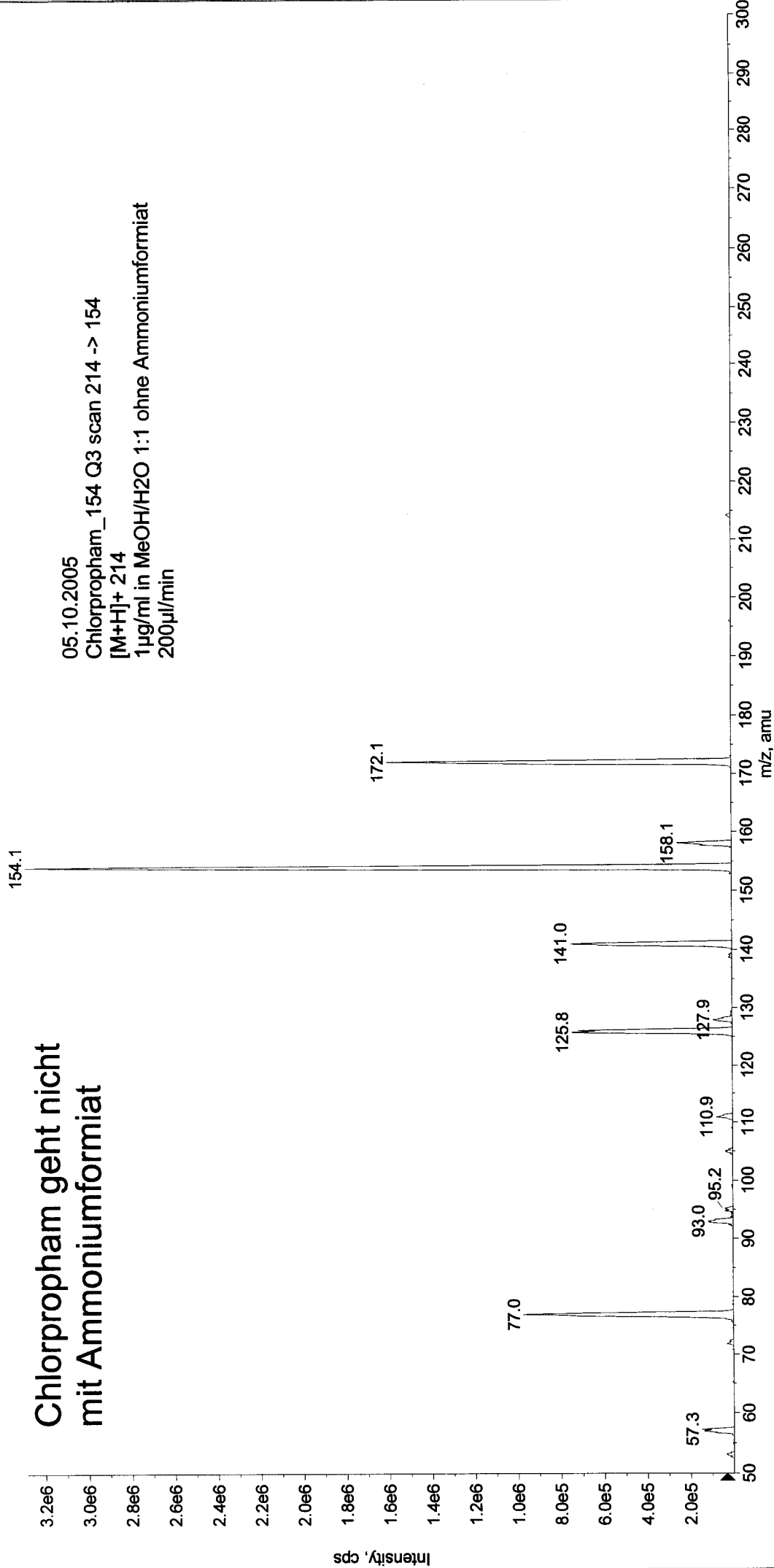


■ +MS2 (214.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20051005102032.wiff (Turbo Spray)

Max. 3.3e6 cps

Chlorpropham geht nicht mit Ammoniumformiat

05.10.2005
Chlorpropham_154 Q3 scan 214 -> 154
[M+H]⁺ 214
1 µg/ml in MeOH/H₂O 1:1 ohne Ammoniumformiat
200 µl/min



■ +MS2 (216.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20051005102156.wiff (Turbo Spray)

Max 8.1e5 cps

Chlorpropham geht nicht mit Ammoniumformiat

05.10.2005
Chlorpropham_154 Q3 scan von 216
[M+H]⁺ 214
1µg/ml in MeOH/H₂O 1:1 ohne Ammoniumformiat
200µl/min

