

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

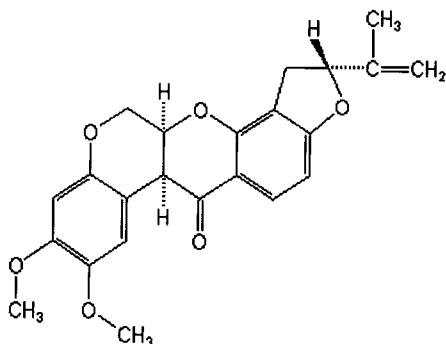
Analyte: Rotenone

CAS No.: 83-79-4

Formula: C₂₃H₂₂O₆

Molecular mass (lowest isotopes): 394,14 amu

Structure:



Ionisation: ESI +

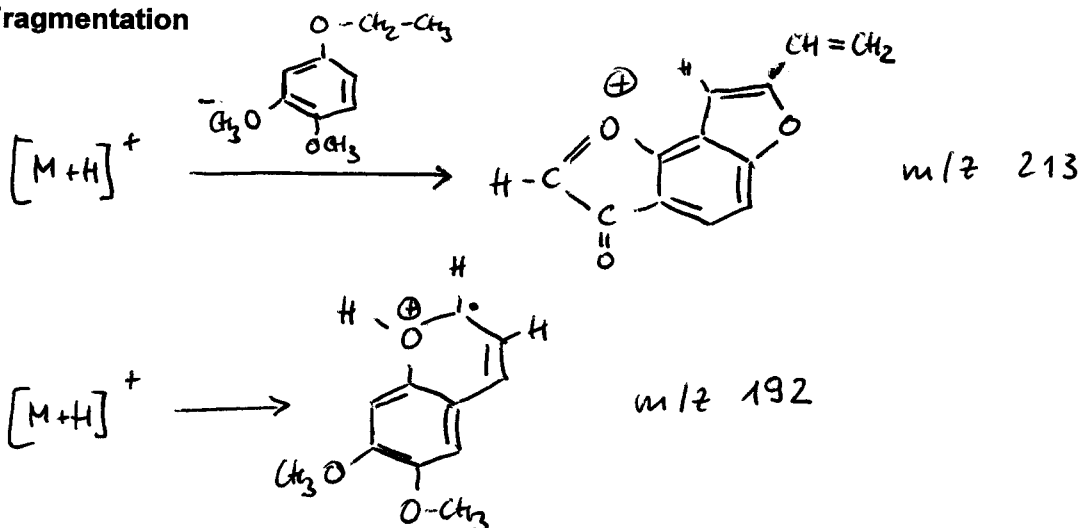
Quasimolecular ion: 395,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	395,1 → 213,0	395,1 → 192,2
Declustering potential (DP)*)	69 V	69 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	11,0 V	12,0 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	29 V	31 V
Collision cell exit potential (CXP)	12 V	10 V

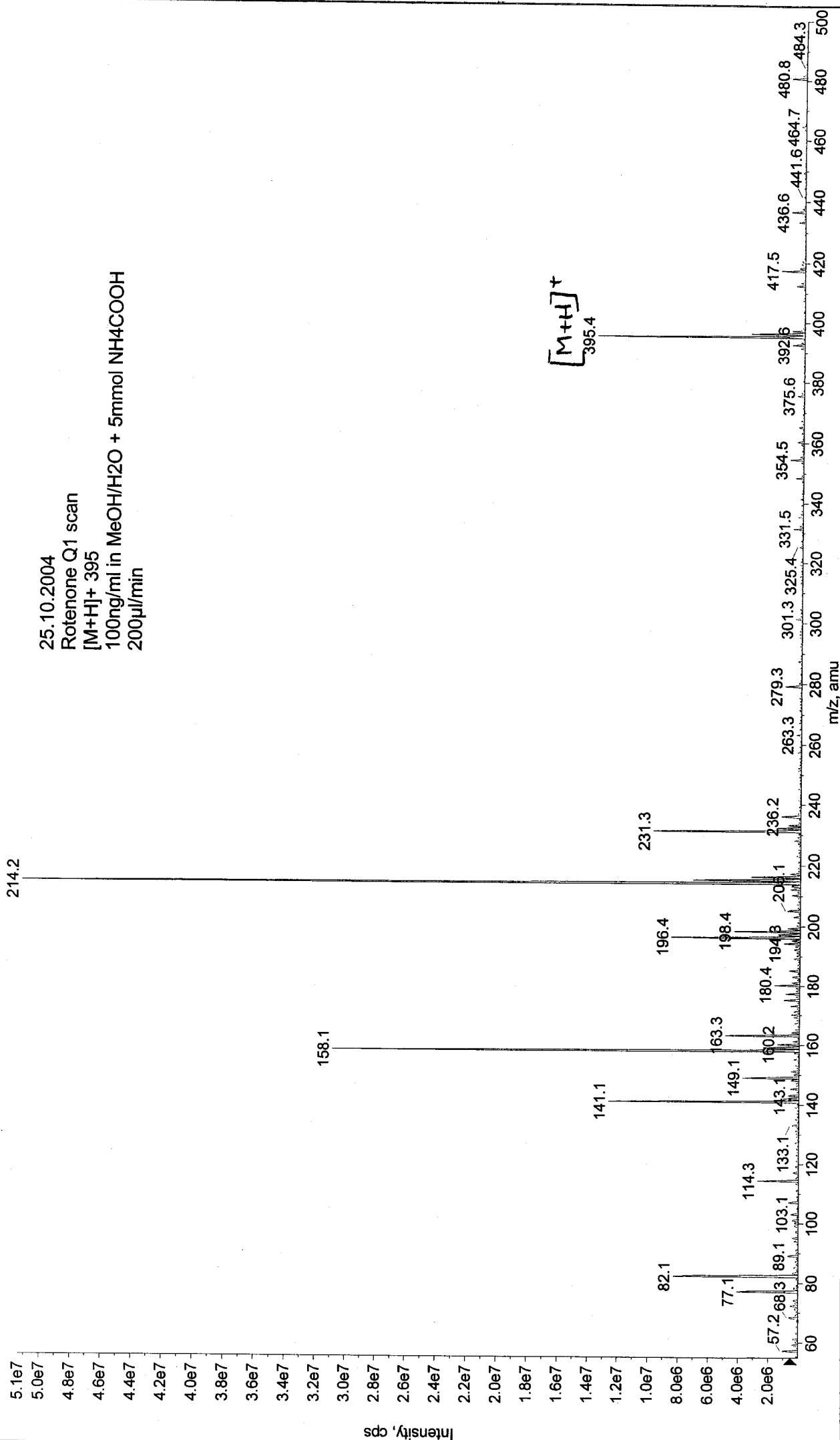
*) For API 3000 and 4000 enhance DP by 20V

Fragmentation



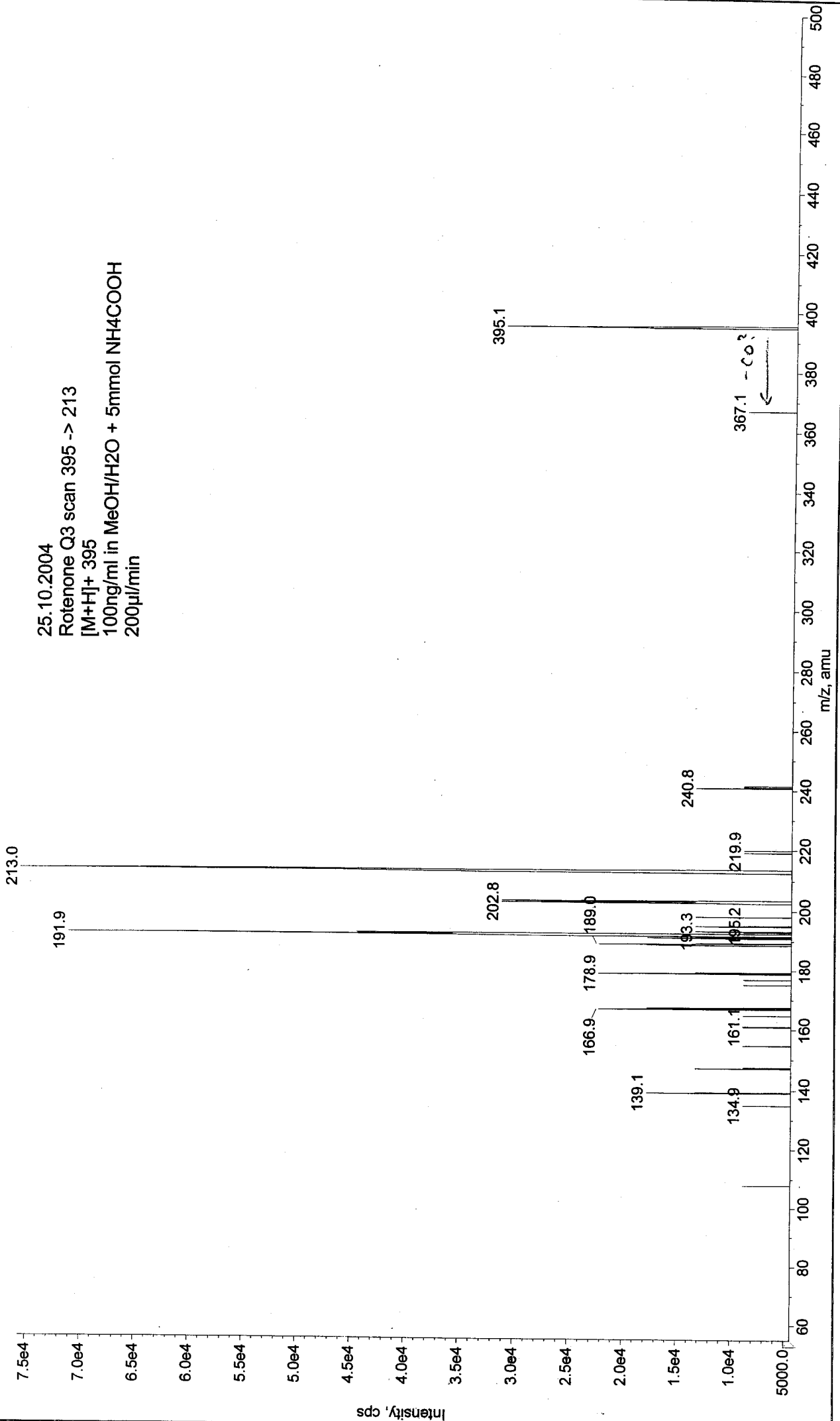
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20041025111442.wiff (Turbo Spray)

Max. 5.1e7 cps



+MS2 (395.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041025111838.wiff (Turbo Spray)

Max. 7.6e4 cps



+MS2 (395.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041025112701.wiff (Turbo Spray)

