

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

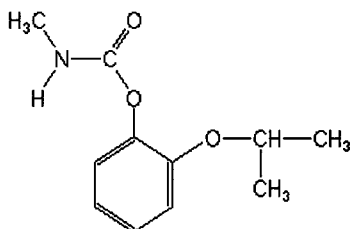
Analyte: Propoxur

CAS No.: 114-26-1

Formula: C₁₁H₁₅NO₃

Molecular mass (lowest isotopes): 209,11 amu

Structure:



Ionisation: ESI +

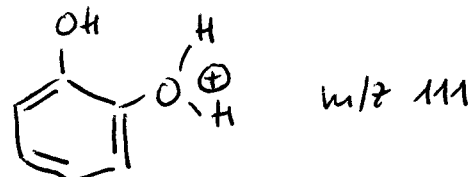
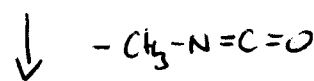
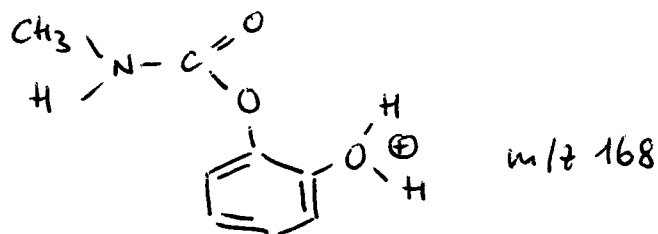
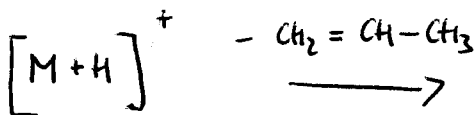
Quasimolecular ion: 210,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

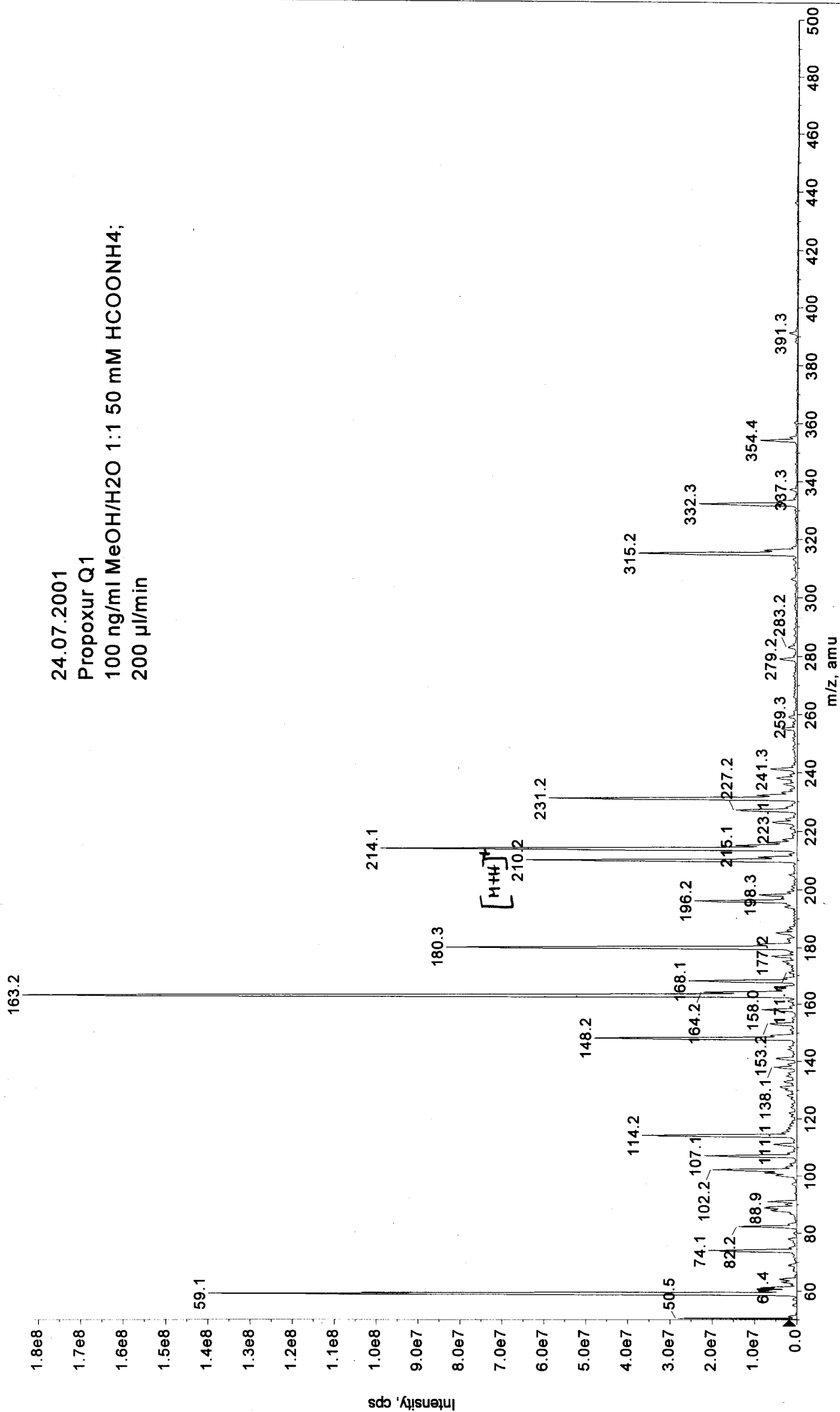
Transition	210,1 → 111,0	210,1 → 168,0
Declustering potential (DP)*)	9 V	9 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	9,5 V	9,5 V
Collision cell entrance potential (CEP)	18 V	16 V
Collision energy (CE)	19 V	11 V
Collision cell exit potential (CXP)	6 V	8 V

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

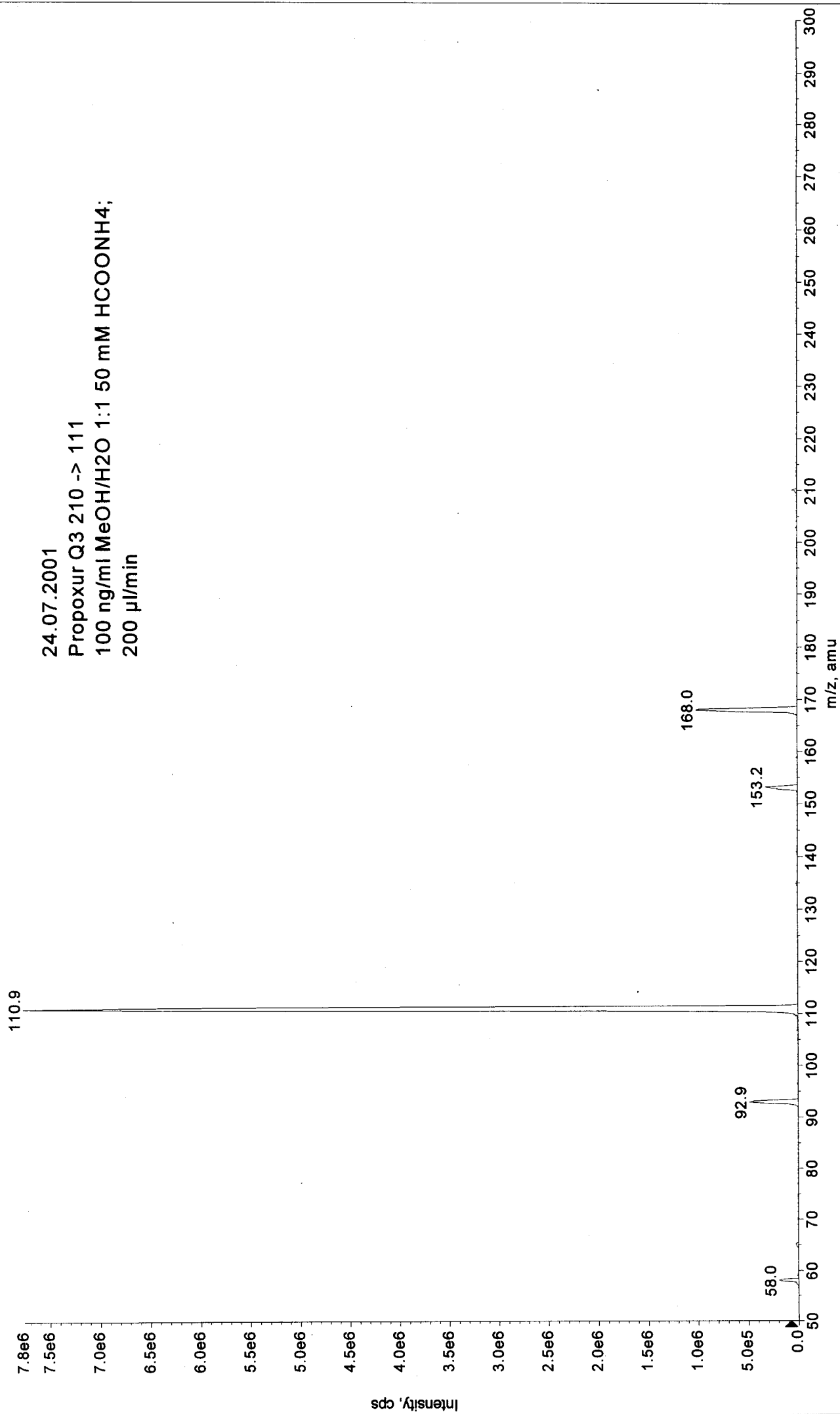
Fragmentation



24.07.2001
Propoxur Q1
100 ng/ml MeOH/H2O 1:1 50 mM HCOONH4;
200 µl/min



24.07.2001
Propoxur Q3 210 -> 111
100 ng/ml MeOH/H2O 1:1 50 mM HCOONH4;
200 µl/min



24.07.2001
Propoxur168 Q3 scan 210 -> 168
100 ng/ml MeOH/H2O 1:1 50 mM HCOONH4;
200 µl/min

