

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

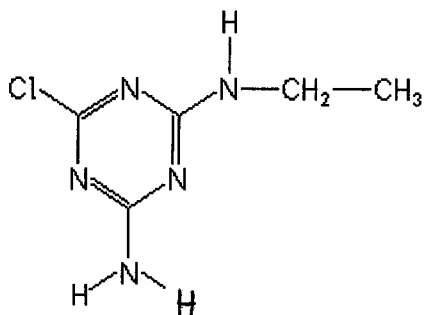
Analyte: Atrazine-desisopropyl

CAS No.: 1007-28-9

Formula: C₅H₈N₅Cl

Molecular mass (lowest isotopes): 173,05 amu

Structure:



Ionisation: ESI +

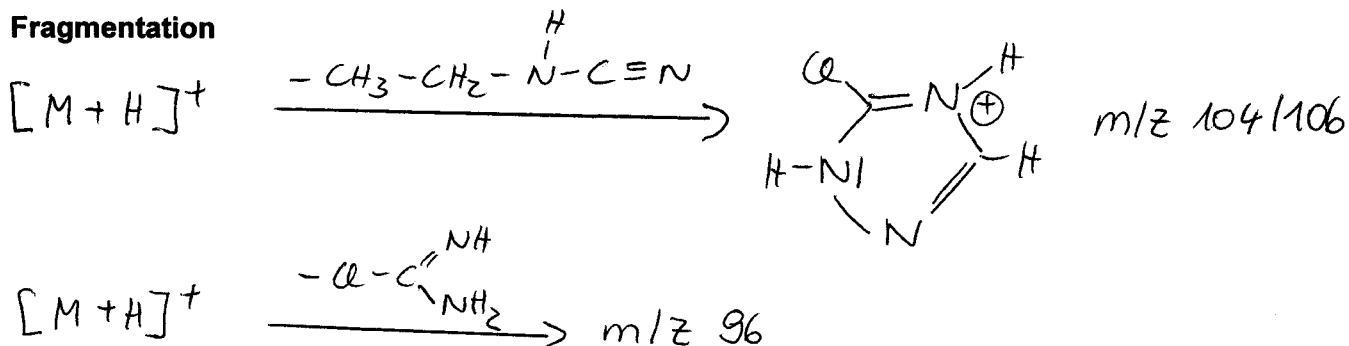
Quasimolecular ion: 174,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

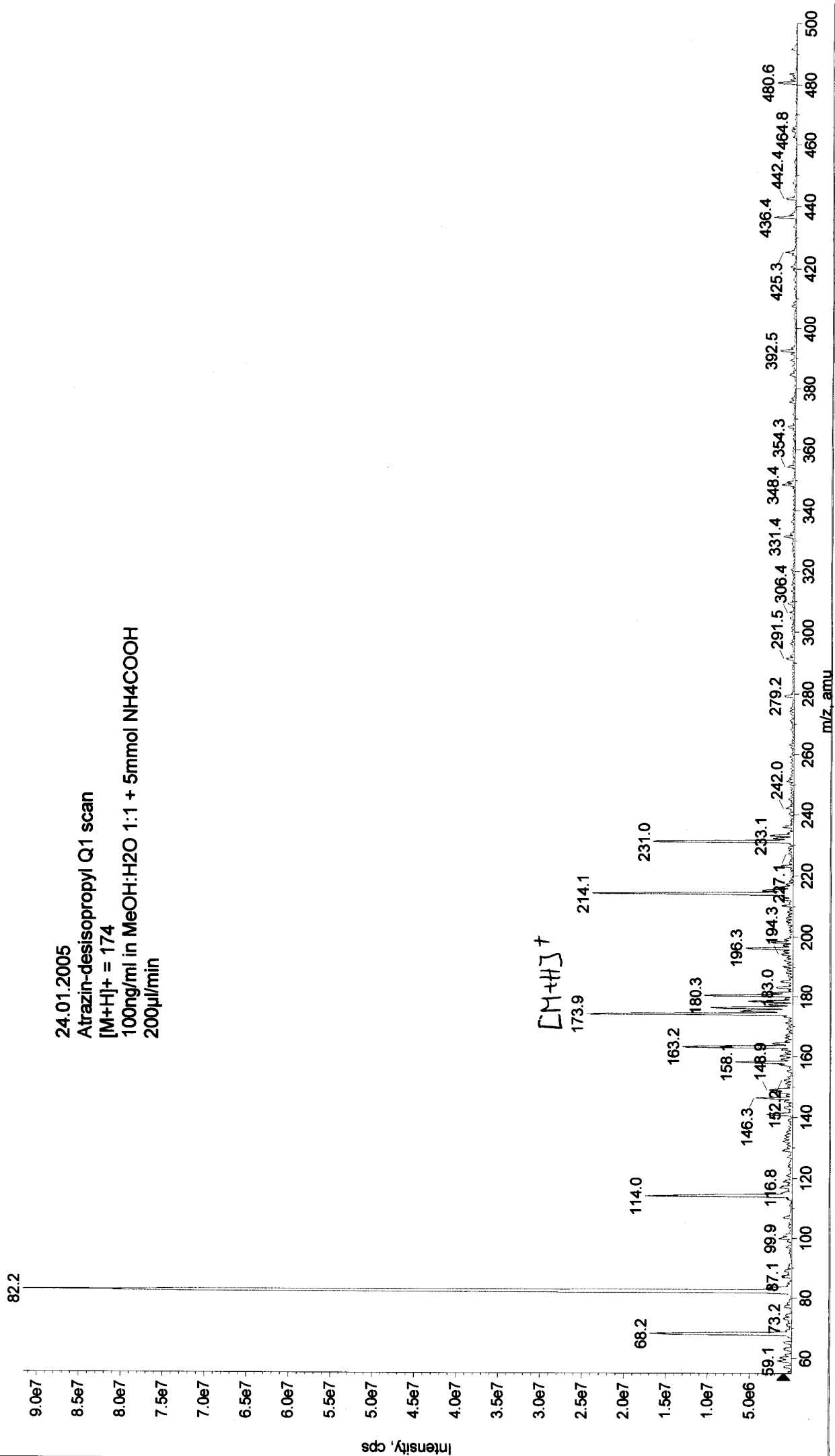
Transition	174,1 → 104,2	174,1 → 96,0
Declustering potential (DP)*)	61 V	61 V
Focusing potential (FP)	330 V	370 V
Entrance potential (EP)	10,5 V	11 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	31 V	27 V
Collision cell exit potential (CXP)	4 V	6 V

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

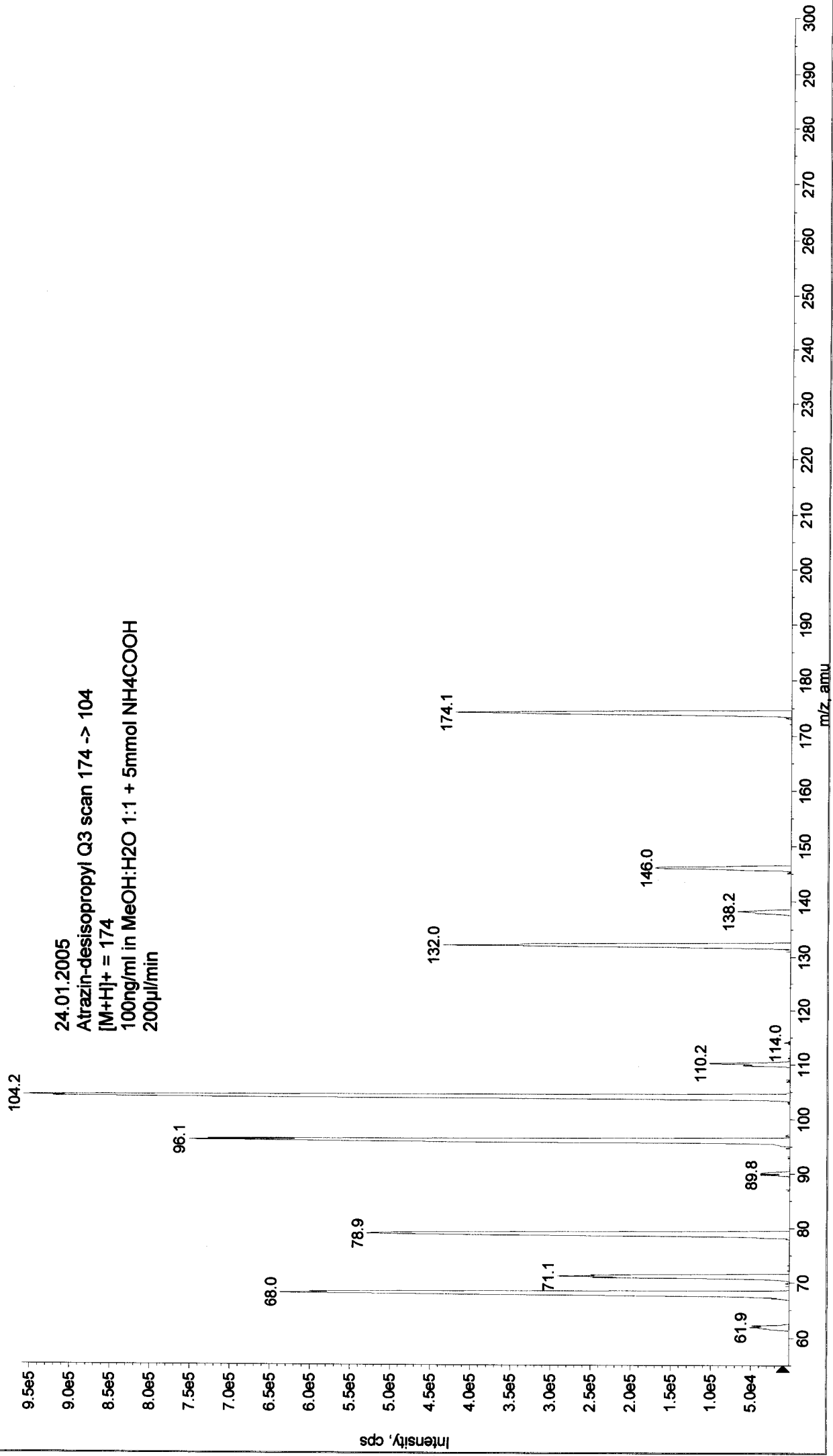
Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050124112408.wiff (Turbo Spray)



+MS2 (174.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050124113020.wiff (Turbo Spray)



Max. 3.4e5 cps.

+MS2 (176.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050124112840.wiff (Turbo Spray)

