

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

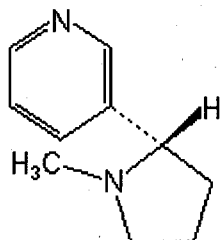
Analyte: Nicotine

CAS No.: 54-11-5

Formula: C₁₀H₁₄N₂

Molecular mass (lowest isotopes): 162,12 amu

Structure:



Ionisation: ESI +

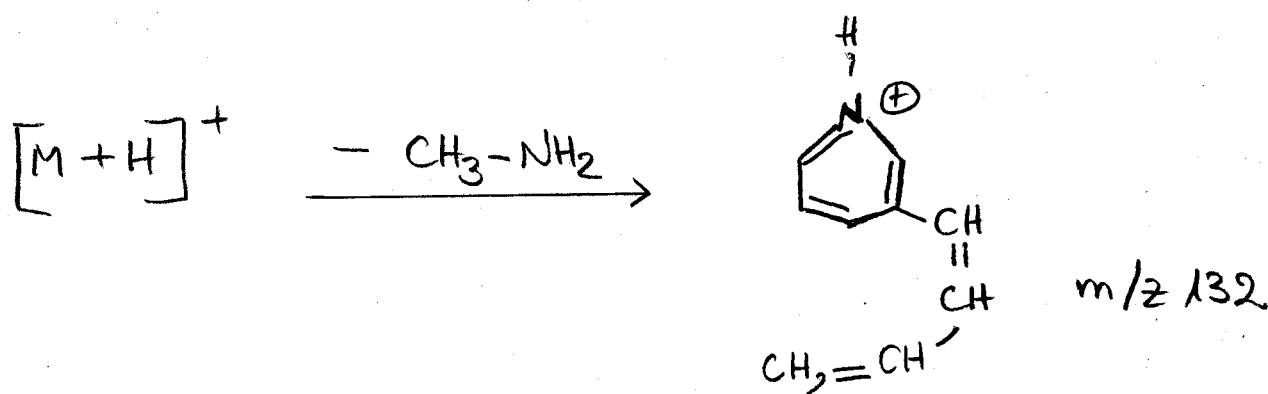
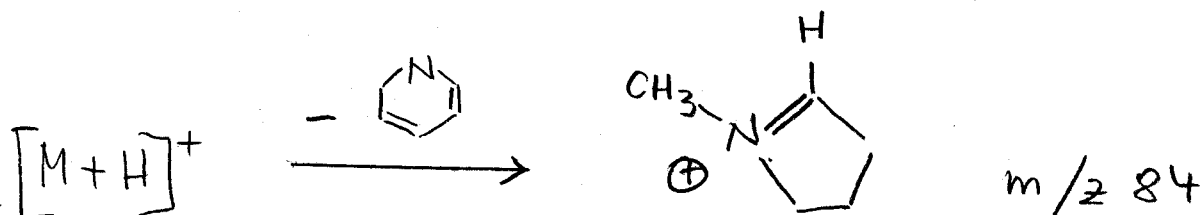
Quasimolecular ion: 163,1 amu = [M+H]⁺

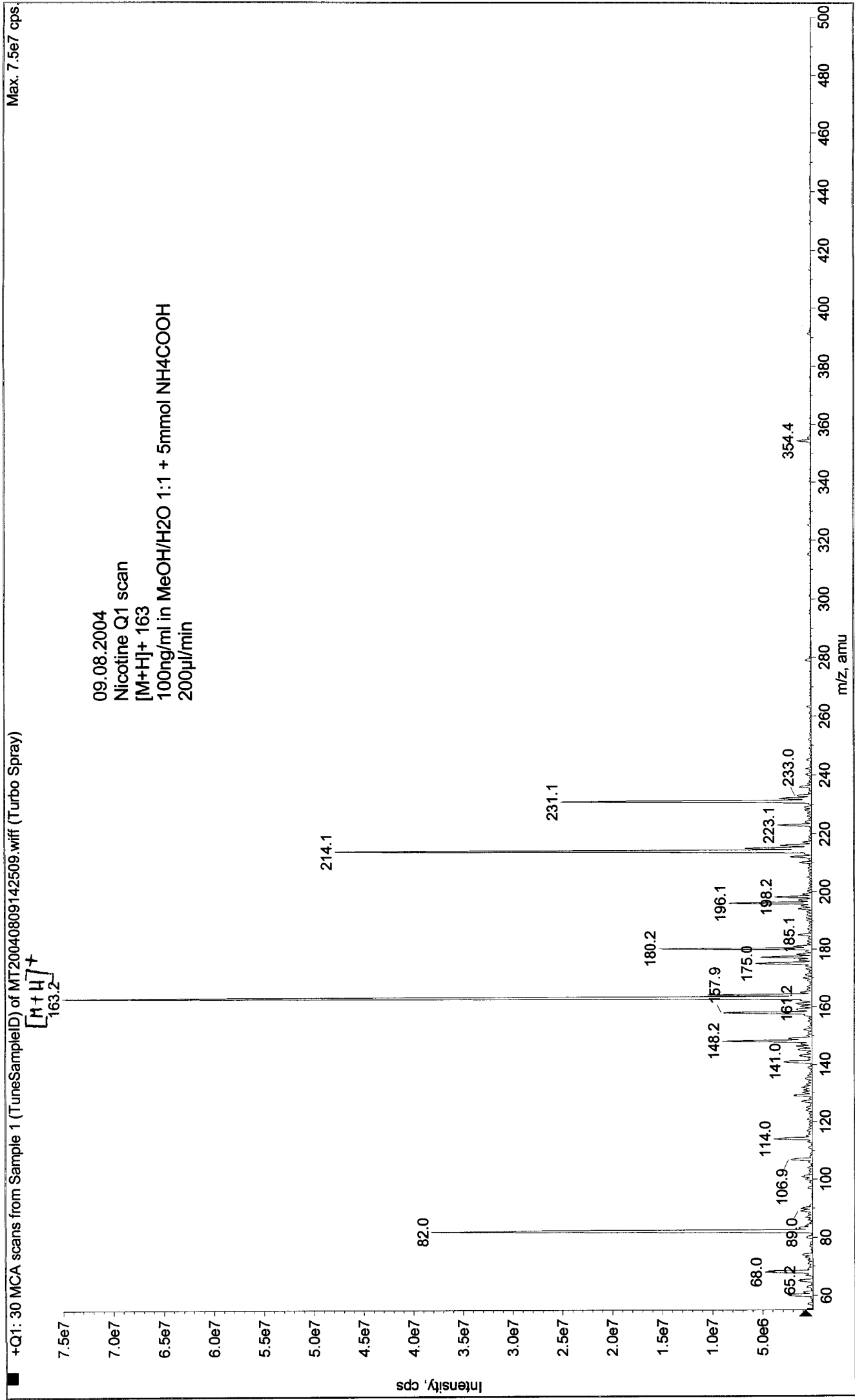
Analyte sensitive parameter set (API 2000)

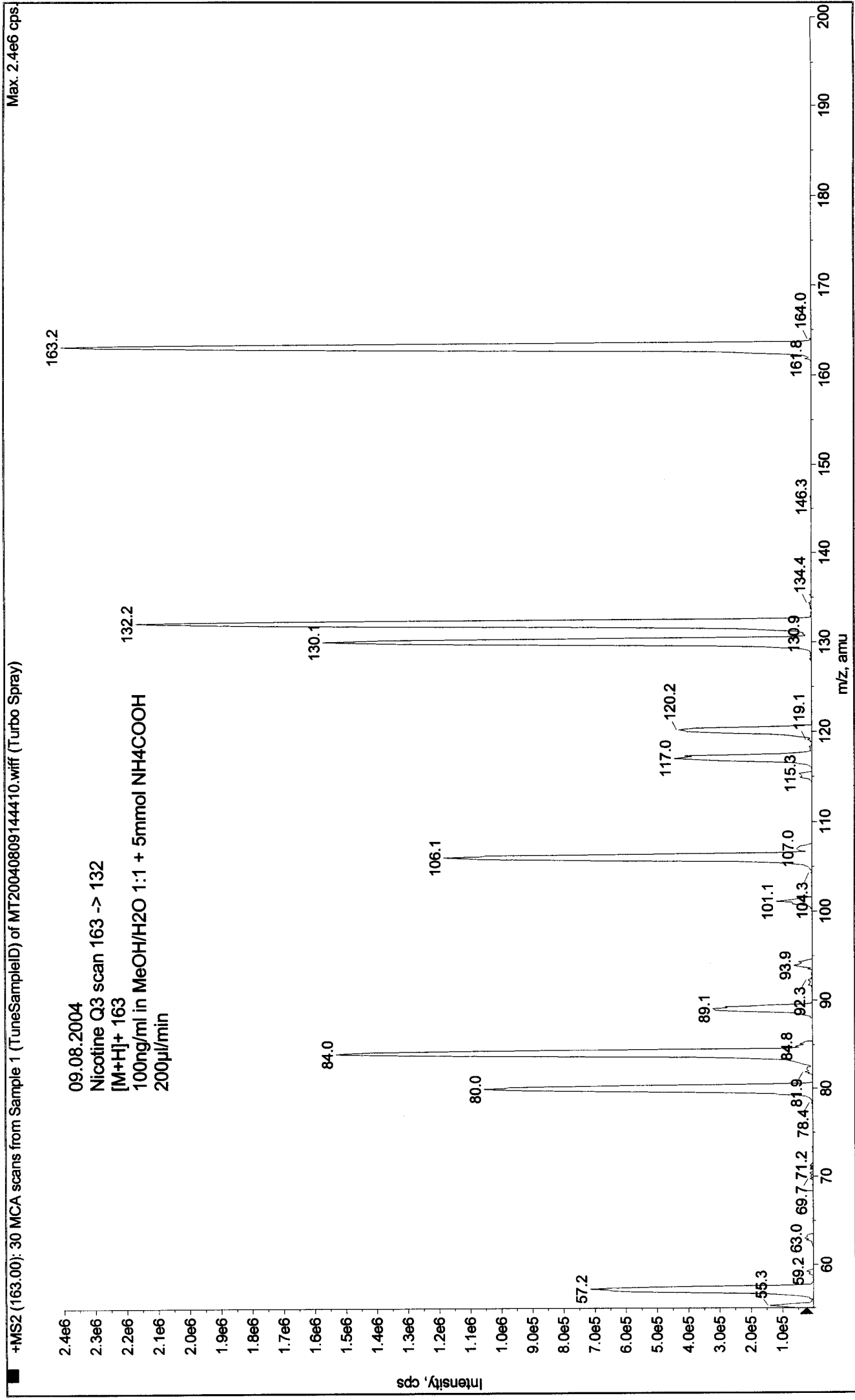
Transition	163,1 → 132,0	163,1 → 84,1
Declustering potential (DP) ^{*)}	16 V	16 V
Focusing potential (FP)	370 V	350 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	21 V	25 V
Collision cell exit potential (CXP)	6 V	4 V

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

Fragmentation







+MS2 (163.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040809145346.wiff (Turbo Spray)

