

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

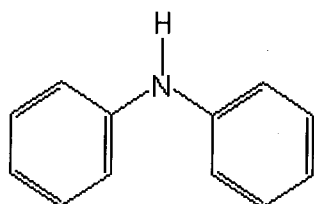
Analyte: Diphenylamine

CAS No.: 122-39-4

Formula: C₁₂H₁₁N

Molecular mass (lowest isotopes): 169,09 amu

Structure:



Ionisation: ESI +

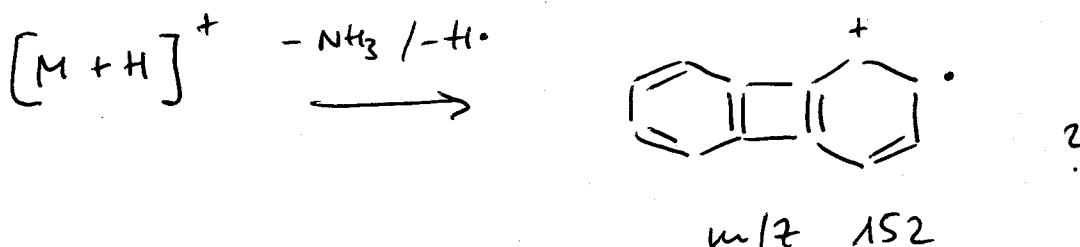
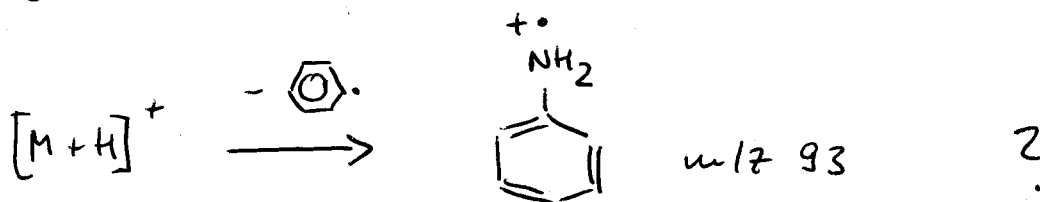
Quasimolecular ion: 170,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	170,1 → 93,1	170,1 → 151,9
Declustering potential (DP) ^{*)}	31 V	31 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	12 V	14 V
Collision energy (CE)	37 V	37 V
Collision cell exit potential (CXP)	4 V	6 V

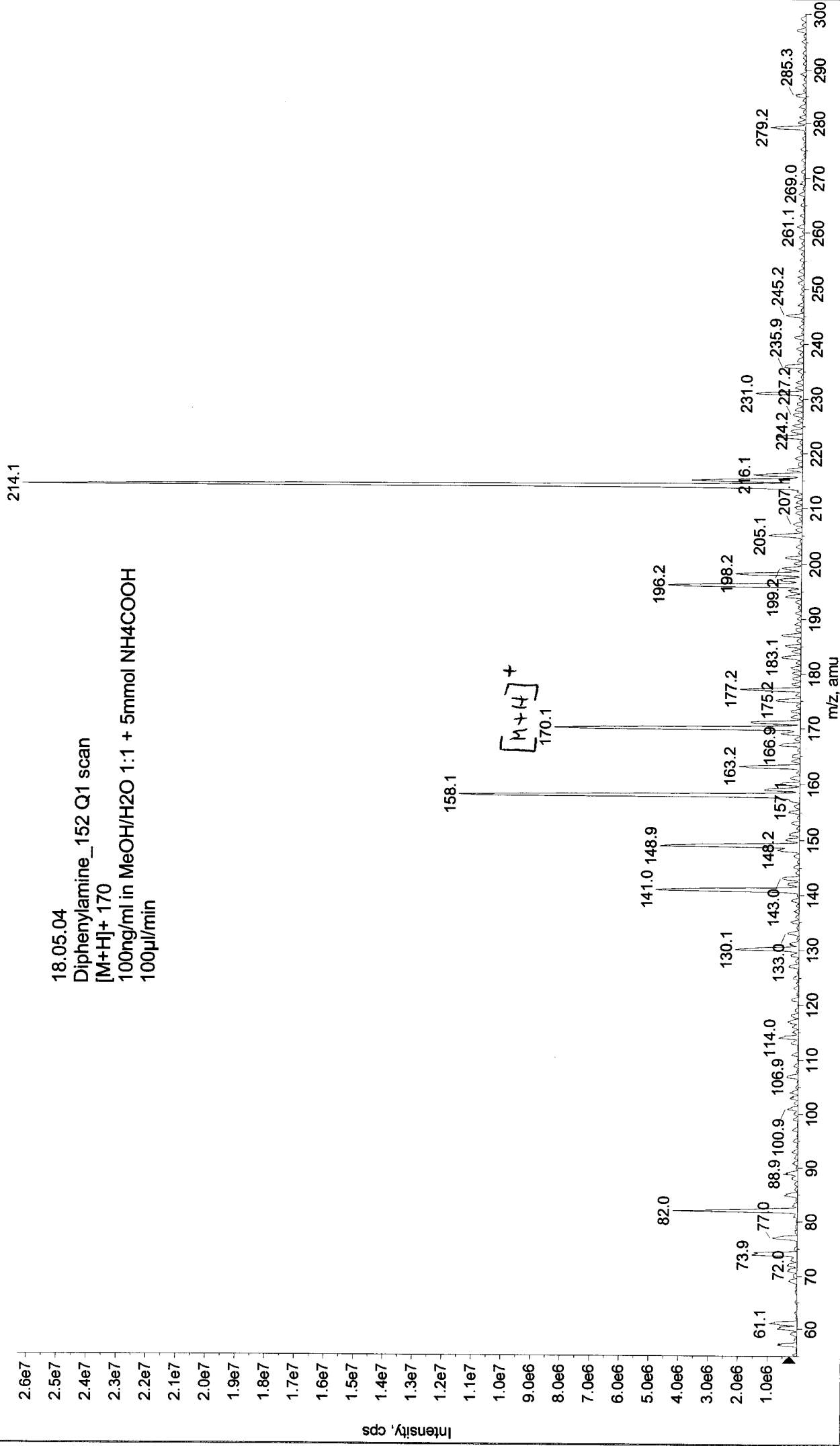
^{*)} For API 3000 and 4000 enhance DP by 20V

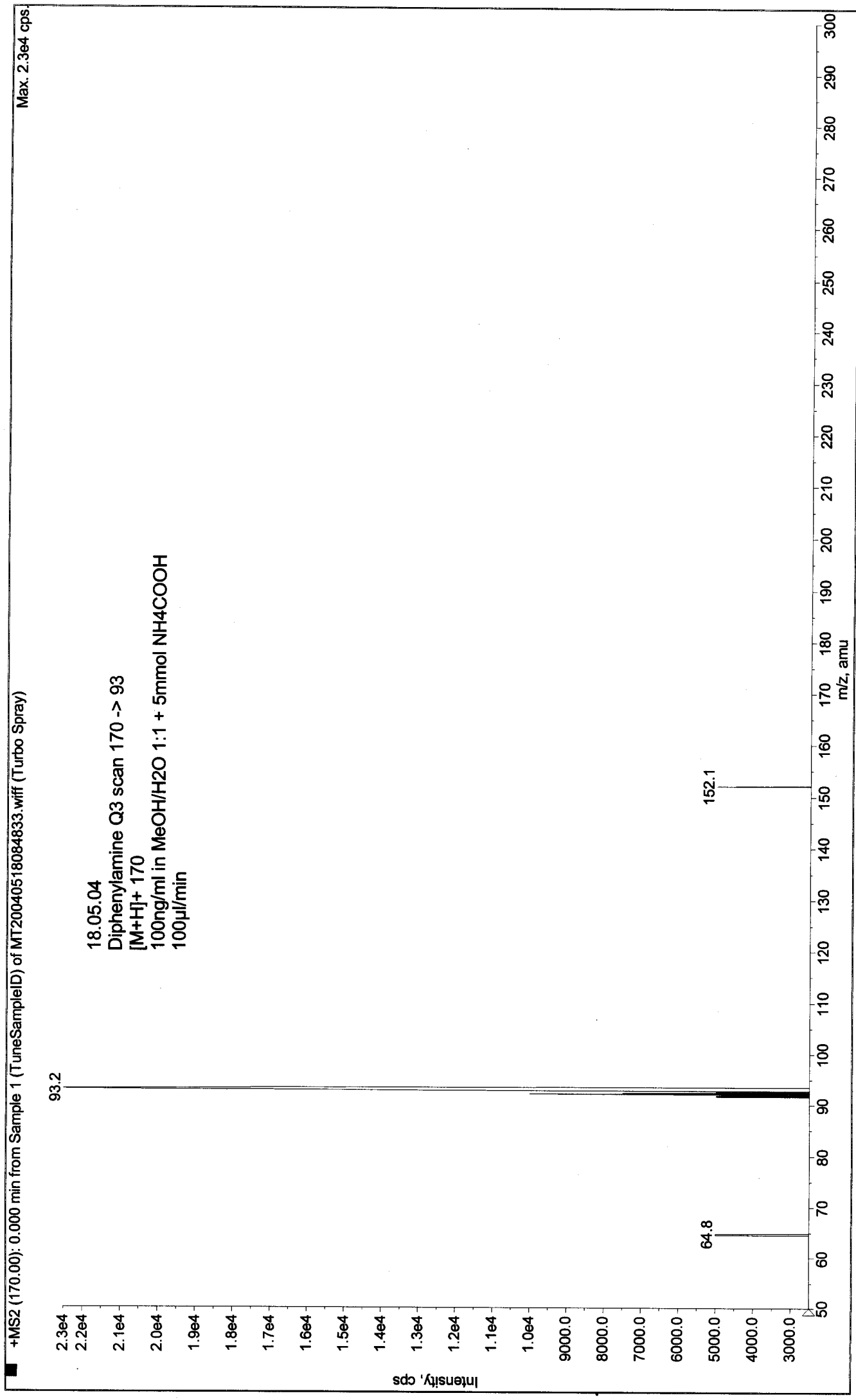
Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040518103949.wiff (Turbo Spray)

Max. 2.6e7 cps.





Max. 7.9e5 cps.

+MS2 (170.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040518104158.wiff (Turbo Spray)

