

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

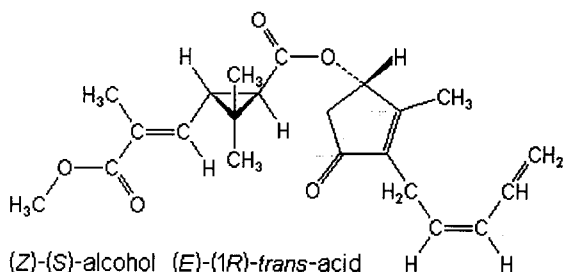
Analyte: Pyrethrin II

CAS No.: 121-29-9

Formula: C₂₂H₂₈O₅

Molecular mass (lowest isotopes): 372,19 amu

Structure:



(Z)-(S)-alcohol (E)-(1R)-trans-acid

Ionisation: ESI +

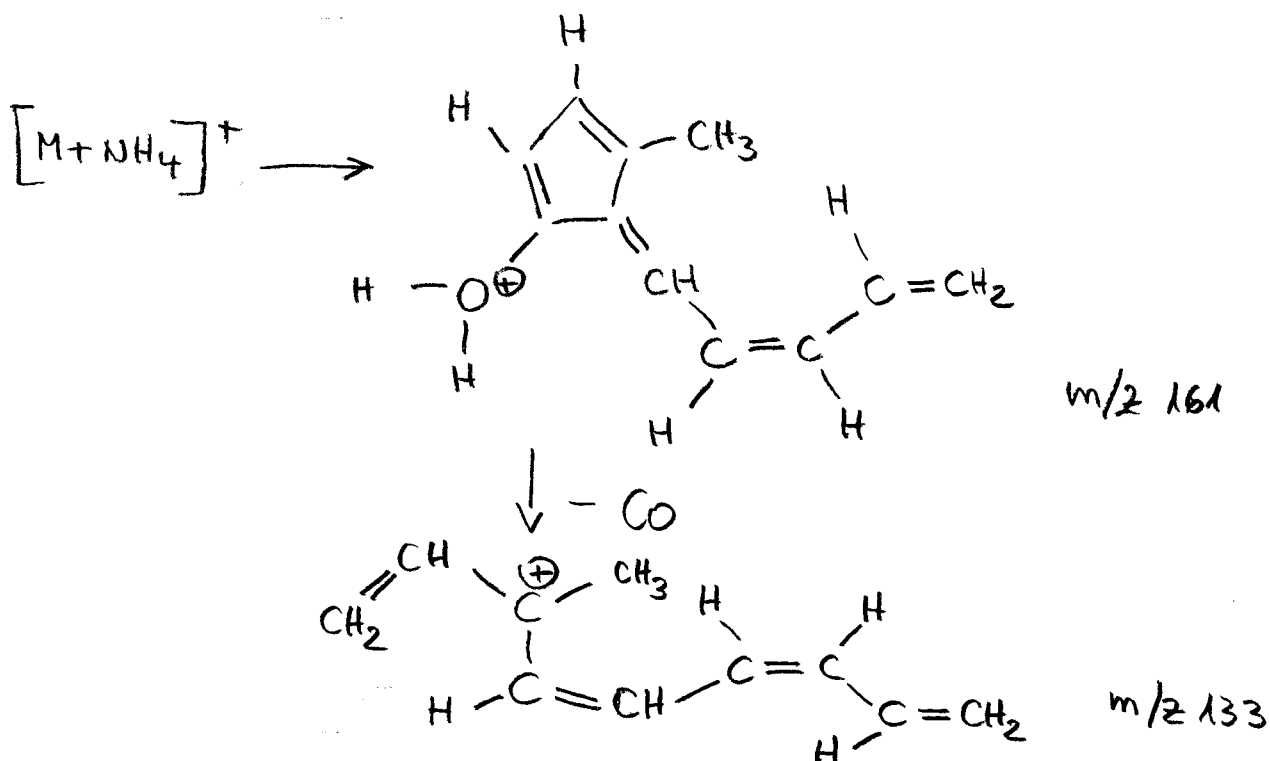
Quasimolecular ion: 390,2 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	390,2 → 161,1	390,2 → 133,1
Declustering potential (DP) ^{*)}	36 V	36 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	11,0 V
Collision cell entrance potential (CEP)	22 V	20 V
Collision energy (CE)	19 V	29 V
Collision cell exit potential (CXP)	8 V	8 V

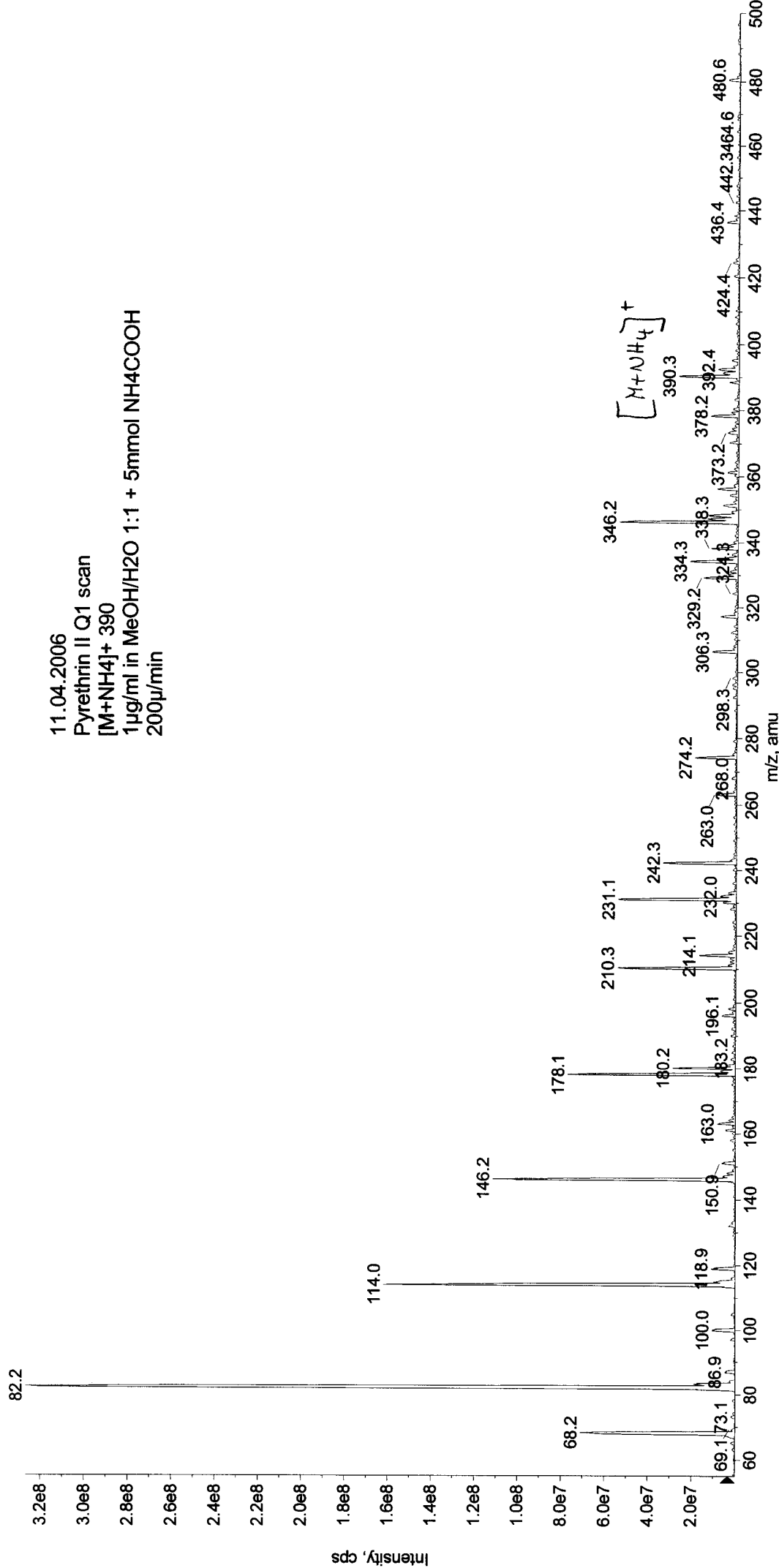
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060411115459.wiff (Turbo Spray)

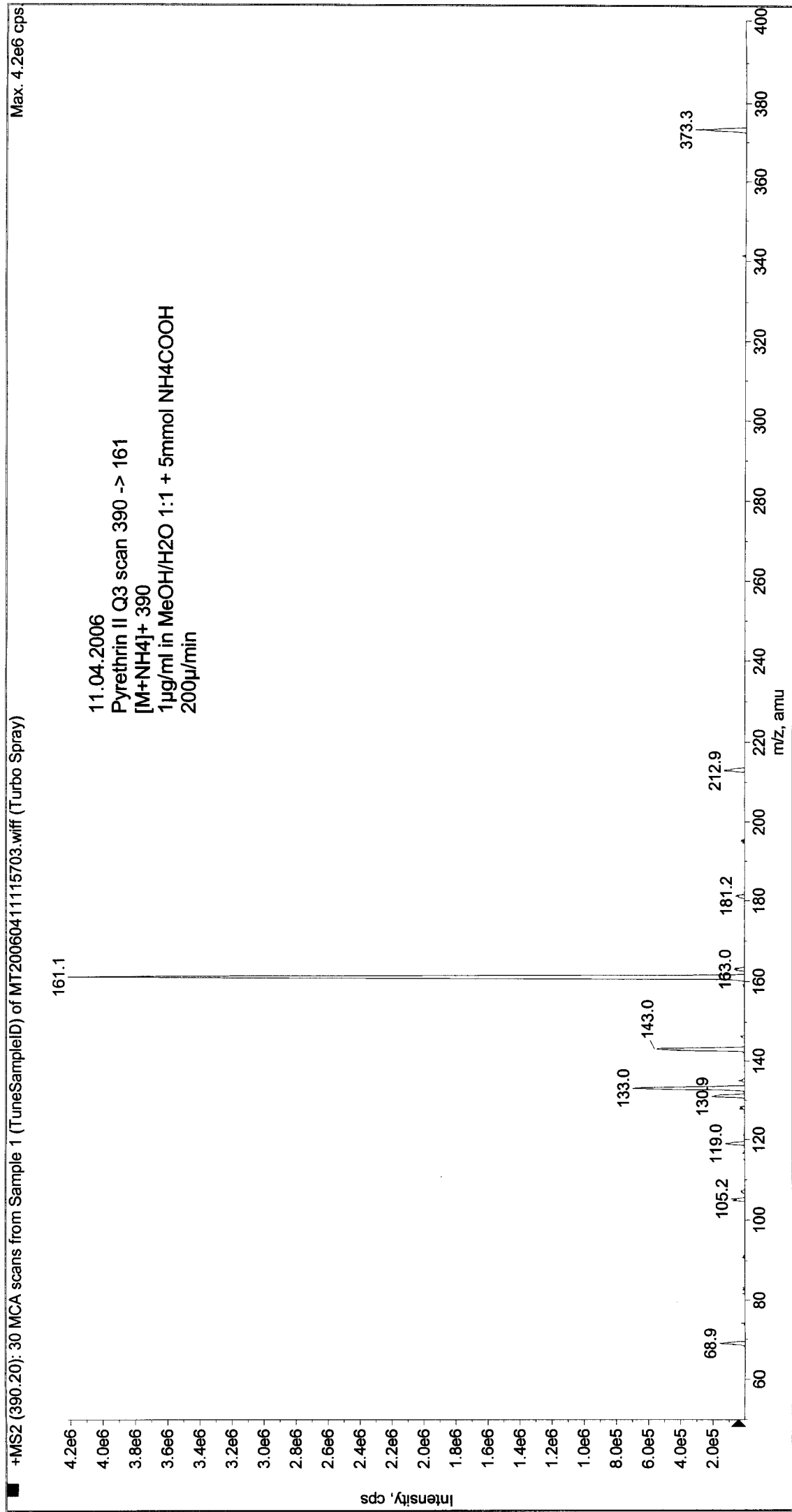
Max. 3.3e8 cps



Printing Time: 11:58:21
Printing Date: Tuesday, April 11, 2006

Acq. Time: 11:57
Acq. Date: Tuesday, April 11, 2006
Acq. File: MT20060411115703.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat



Printing Time: 14:02:55
Printing Date: Tuesday, April 11, 2006

Acq. Time: 14:01
Acq. Date: Tuesday, April 11, 2006
Acq. File: MT20060411140115.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

