

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

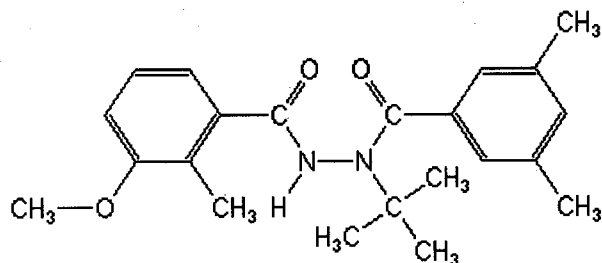
Analyte: Methoxyfenozide

CAS No.: 161050-58-4

Formula: C₂₂H₂₈N₂O₃

Molecular mass (lowest isotopes): 368,21 amu

Structure:



Ionisation: ESI +

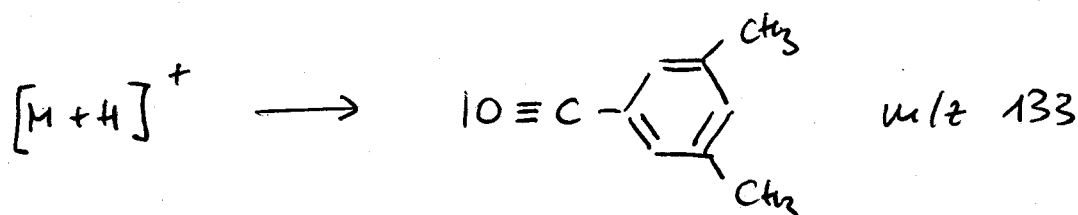
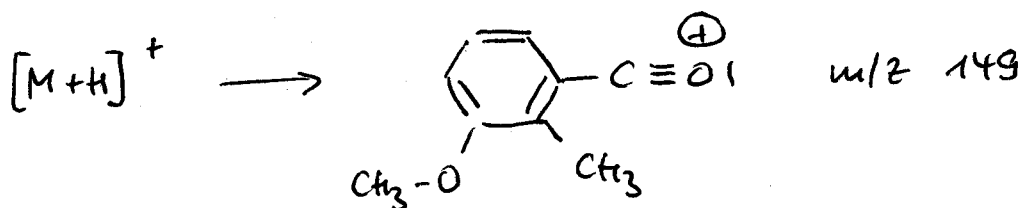
Quasimolecular ion: 369,2 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	369,2 → 149,1	369,2 → 133,0
Declustering potential (DP) ^{*)}	39 V	39 V
Focusing potential (FP)	330 V	350 V
Entrance potential (EP)	8,5 V	6,5 V
Collision cell entrance potential (CEP)	20 V	24 V
Collision energy (CE)	23 V	31 V
Collision cell exit potential (CXP)	8 V	6 V

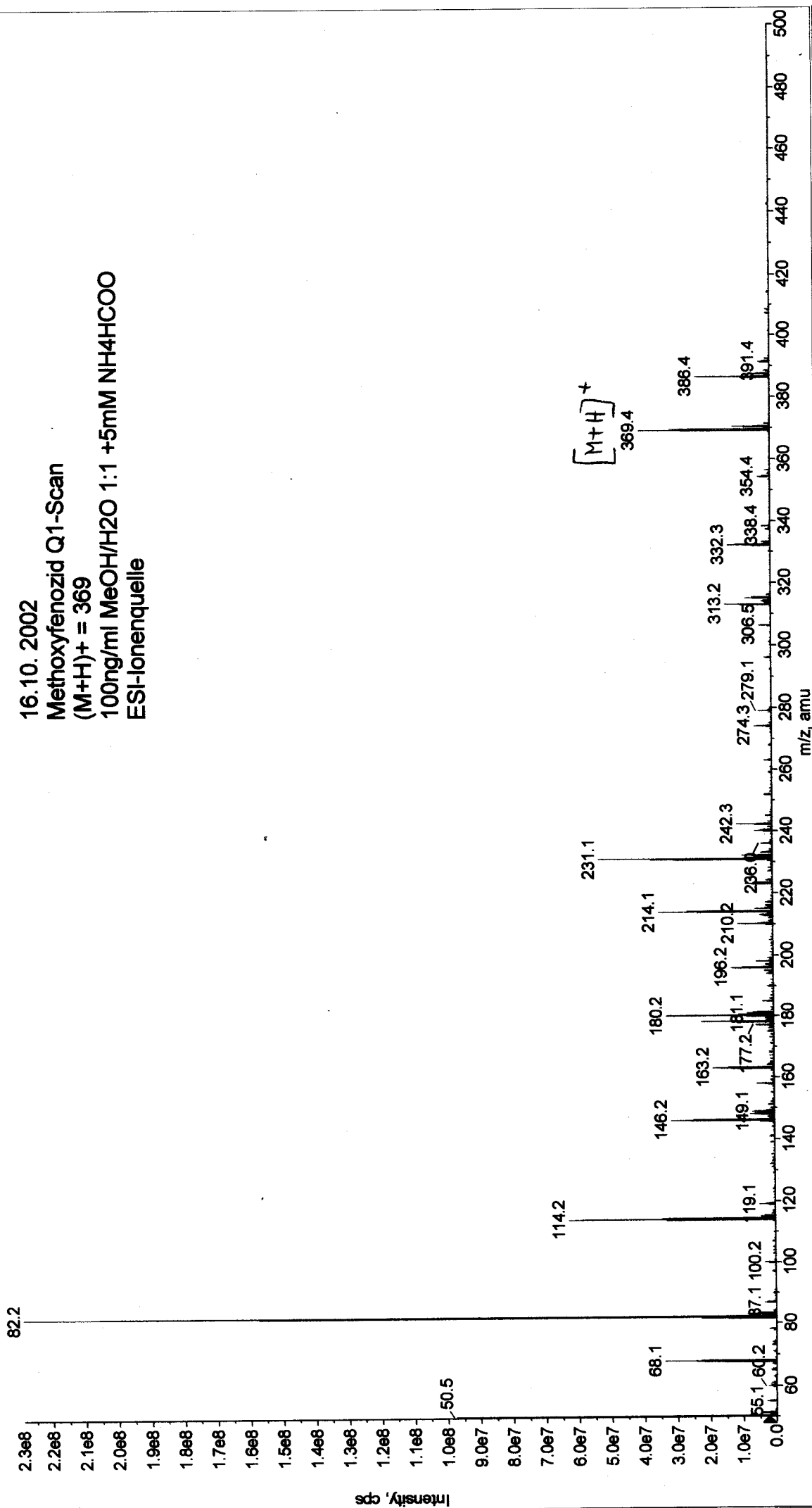
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from MT20021016100256.wiff

16.10.2002
Methoxyfenozid Q1-Scan
(M+H)⁺ = 369
100ng/ml MeOH/H₂O 1:1 +5mM NH₄HCOO
ESI-Ionenquelle



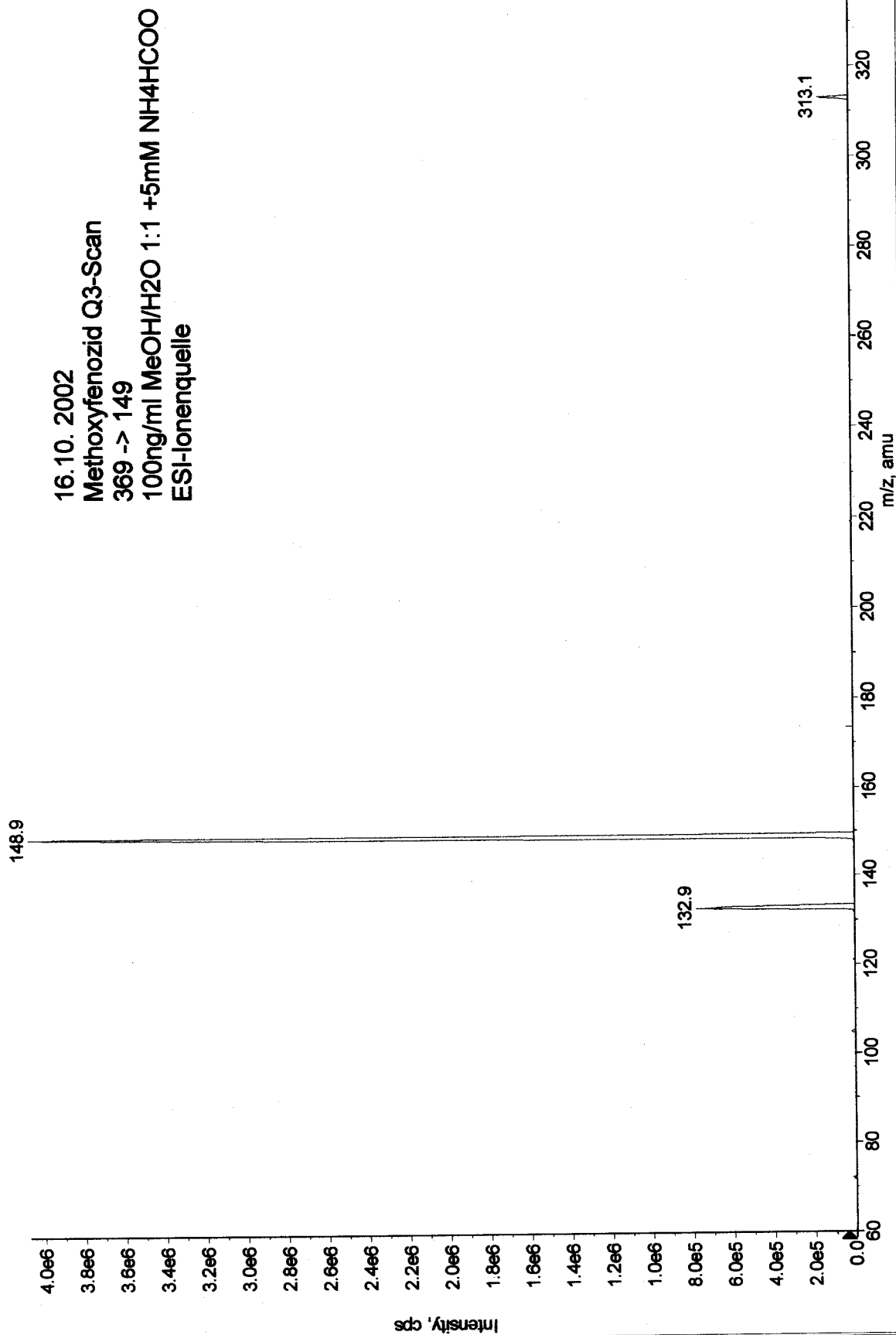
Printing Date: 16 October 2002
Printing Time: 10:08:31

Acq. Date: Wednesday, October 16, 2002
Acq. Time: 10:07
Acq. File: MT20021016100722.wiff

Sample Comment:
Sample Name:
Batch Name: N/A

Max 4.1e6 cps

+Product (369.0): 30 MCA scans from MT20021016100722.wiff



+Product (369.0): 30 MCA scans from MT20021016102012.wiff

