

MS/MS Parameters of Pesticides

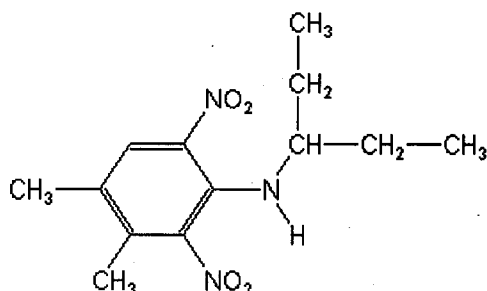
Analyte: Pendimethalin

CAS No.: 40487-42-1

Formula: C₁₃H₁₉N₃O₄

Molecular mass (lowest isotopes): 281,14 amu

Structure:



Ionisation: ESI +

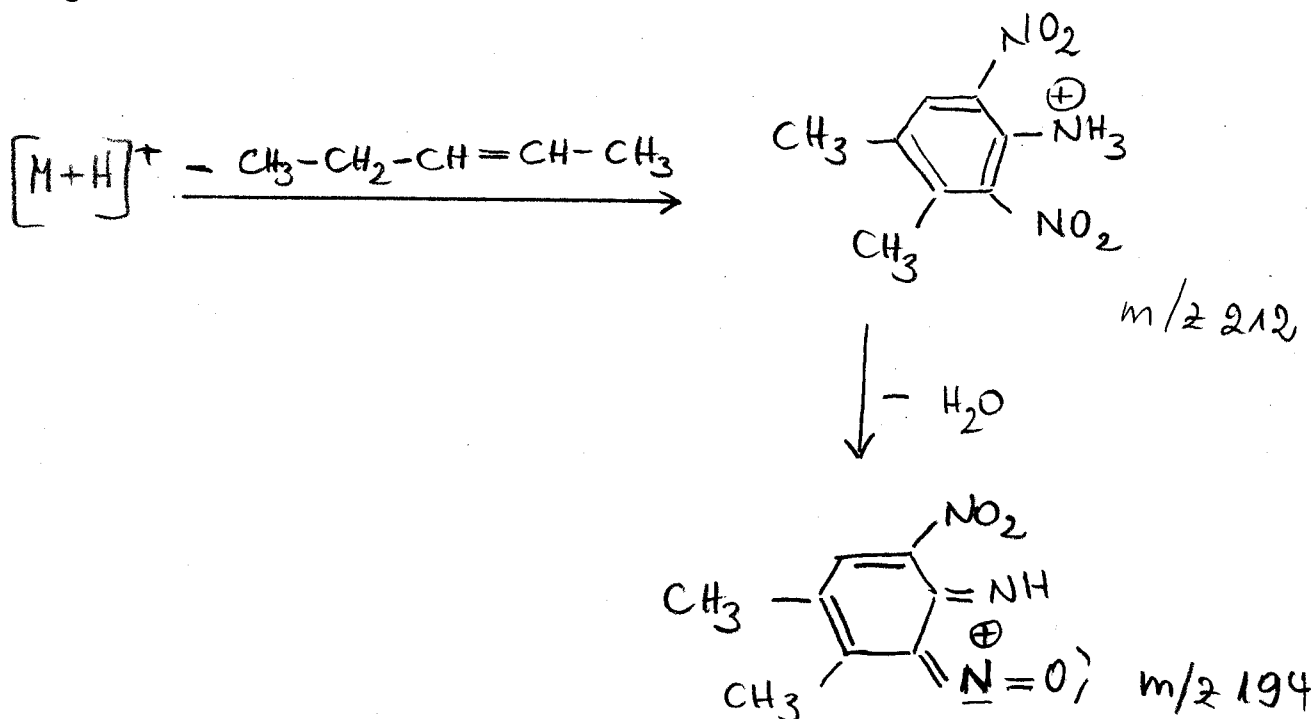
Quasimolecular ion: 282,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	282,1 → 212,2	282,1 → 194,0
Declustering potential (DP)*)	6 V	6 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	7,5 V	8,5 V
Collision cell entrance potential (CEP)	16 V	18 V
Collision energy (CE)	15 V	23 V
Collision cell exit potential (CXP)	10 V	10 V

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

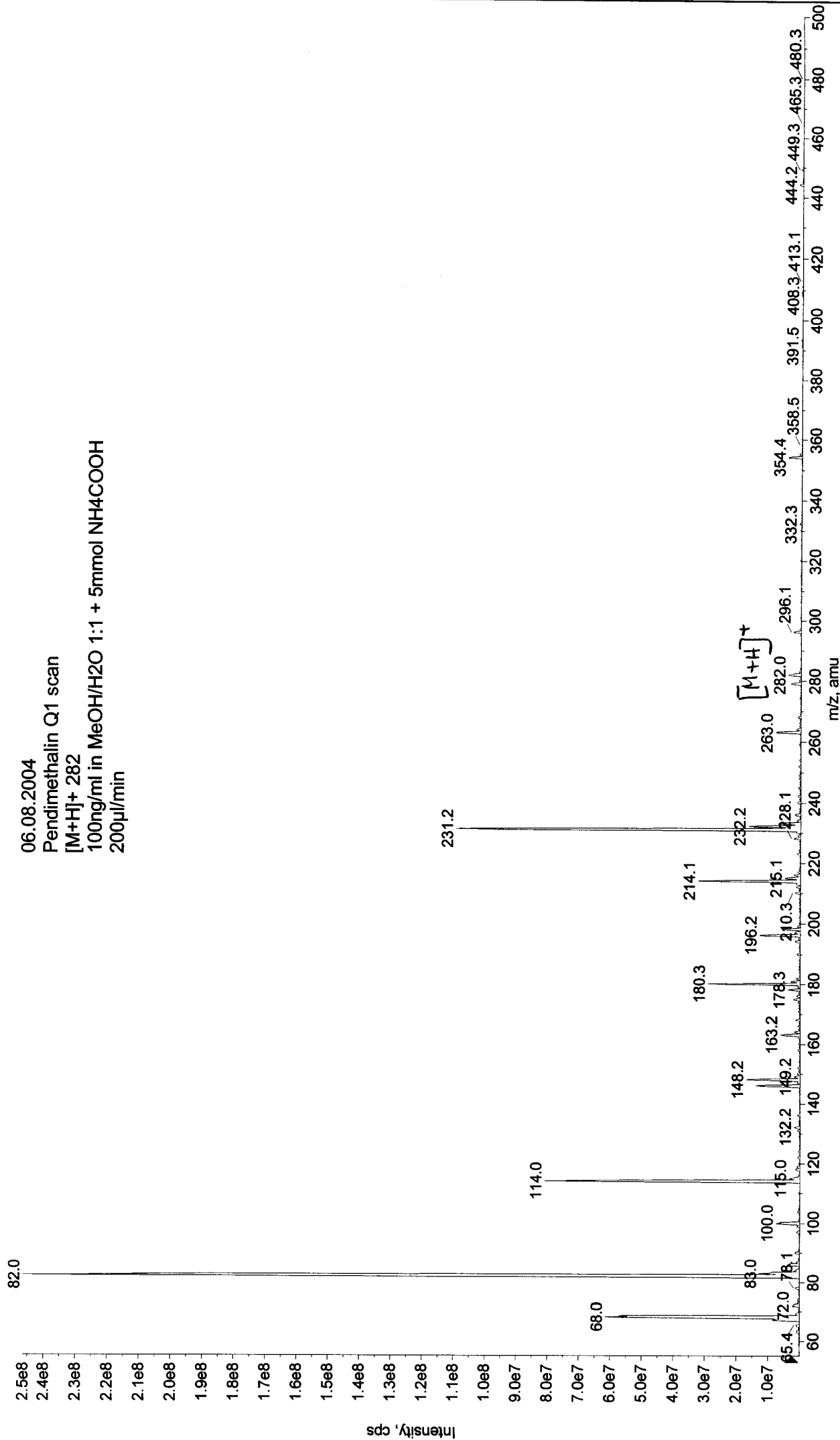
Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040806112223.wiff (Turbo Spray)

Max. 2.5e8 cps

06.08.2004
Pendimethalin Q1 scan
[M+H]⁺ 282
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 11:27:54
Printing Date: Friday, August 06, 2004

Acq. Time: 11:26
Acq. Date: Friday, August 06, 2004
Acq. File: MT20040806112638.wiff

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

■ +MS2 (282.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040806112638.wiff (Turbo Spray) Max. 1.1e6 cps

