

MS/MS Parameters of Pesticides

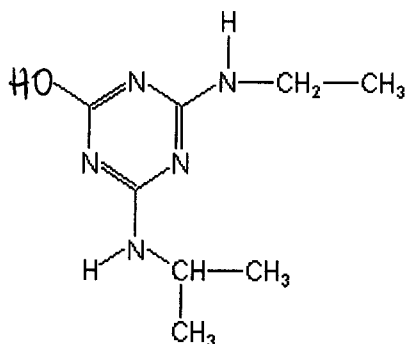
Analyte: Atrazine-2-hydroxy

CAS No.: 2163-68-0

Formula: C₈H₁₅N₅O

Molecular mass (lowest isotopes): 197,13 amu

Structure:



Ionisation: ESI +

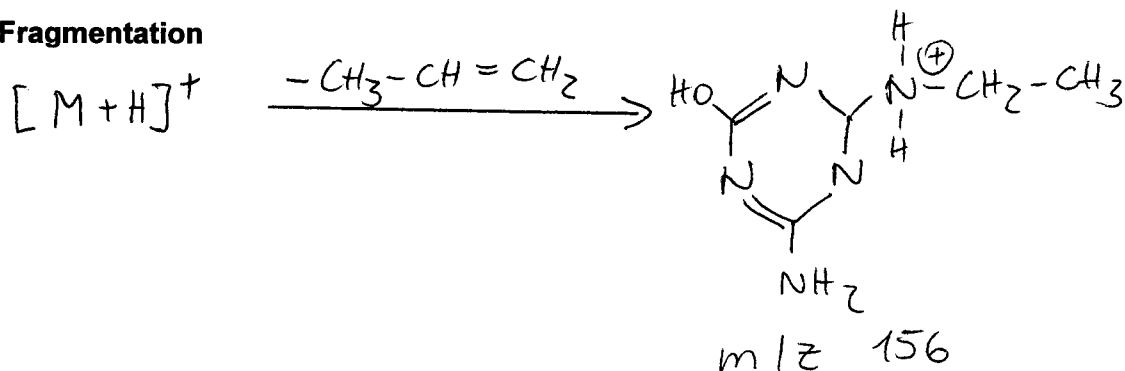
Quasimolecular ion: 198,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	198,1 → 69,0	198,1 → 156,2
Declustering potential (DP) ^{*)}	66V	66 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10 V	10 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	47 V	25 V
Collision cell exit potential (CXP)	10 V	8 V

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

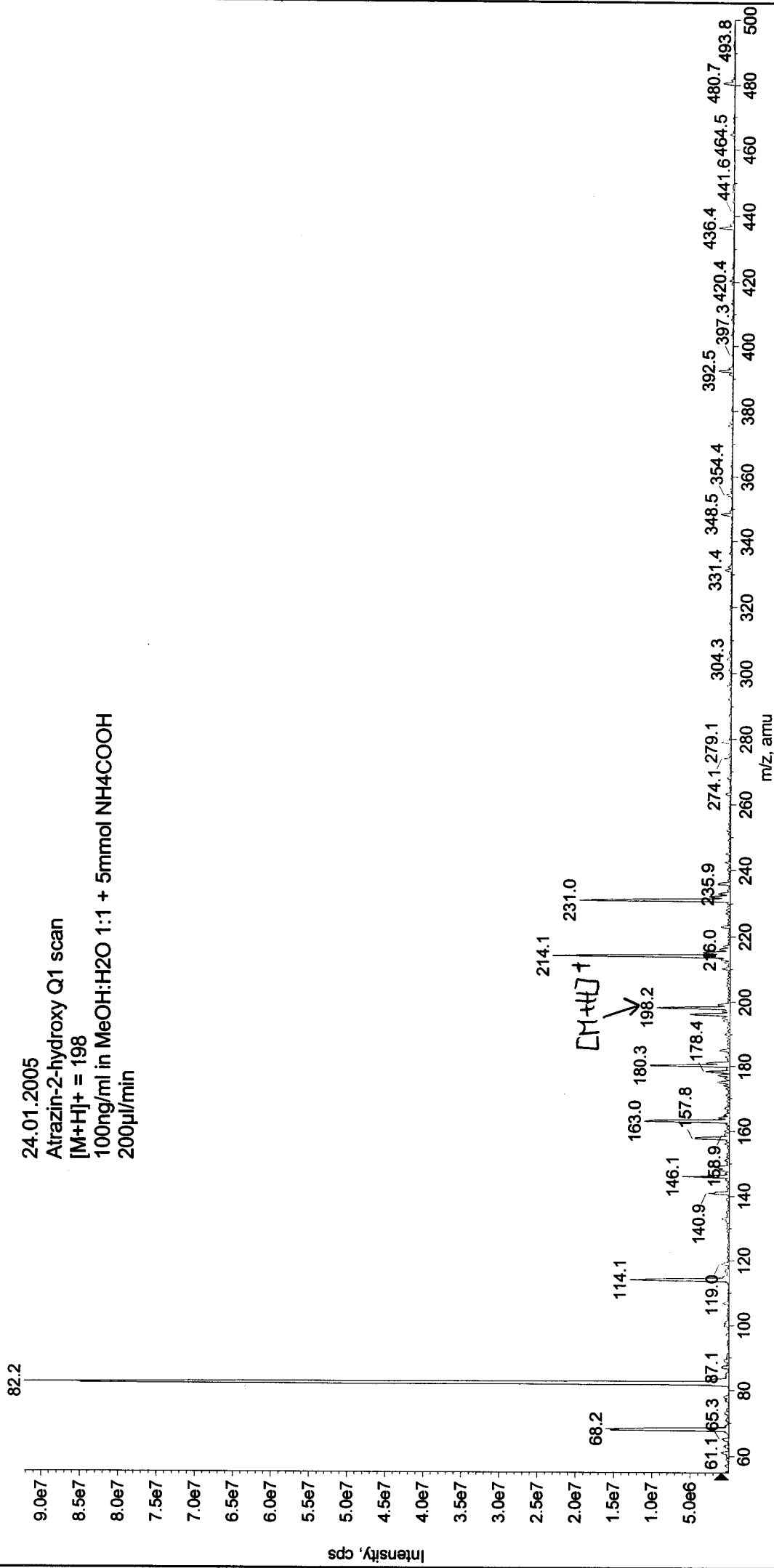
Fragmentation

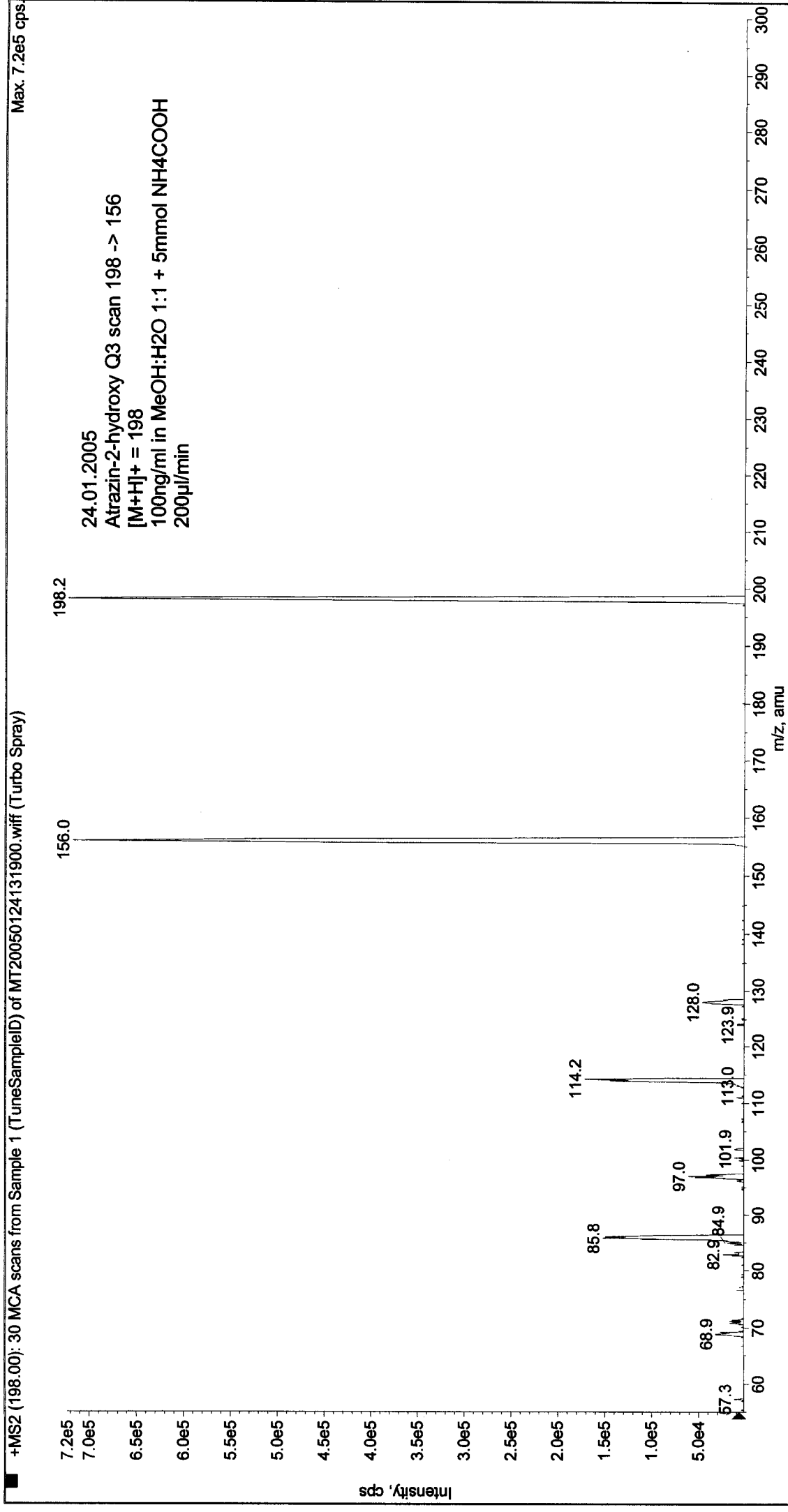

 $m/z \ 69?$

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050124131635.wiff (Turbo Spray)

Max. 9.2e7 cps

24.01.2005
Atrazin-2-hydroxy Q1 scan
[M+H]⁺ = 198
100ng/ml in MeOH:H₂O 1:1 + 5mmol NH₄COOH
200µl/min





Max. 4.2e5 cps

+MS2 (198.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050124132845.wiff (Turbo Spray)

