

MS/MS Parameters of Pesticides

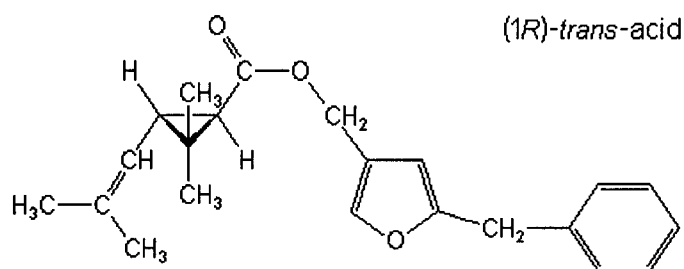
Analyte: Bioresmethrin

CAS No.: 28434-01-7

Formula: C₂₂H₂₆O₃

Exact molecular mass (lowest isotopes): 338,19 amu

Structure:



Ionisation: ESI +

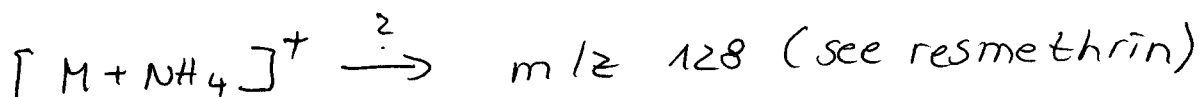
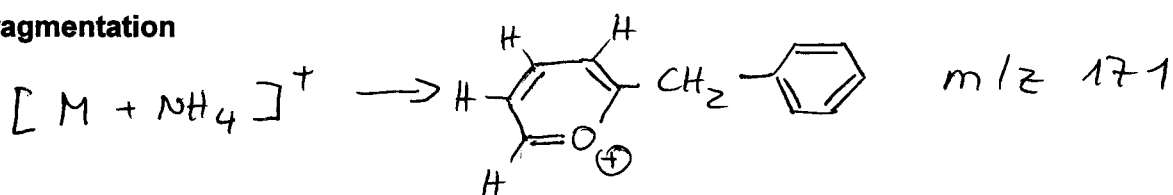
Quasimolecular ion: 356,2 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

| Transition | 356,2 → 171,2 | 356,2 → 128,1 |
|---|---------------|---------------|
| Declustering potential (DP) ^{*)} | 21 V | 21 V |
| Focusing potential (FP) | 360 V | 370 V |
| Entrance potential (EP) | 10,0 V | 10,0 V |
| Collision cell entrance potential (CEP) | 22 V | 22 V |
| Collision energy (CE) | 21 V | 53 V |
| Collision cell exit potential (CXP) | 8 V | 6 V |

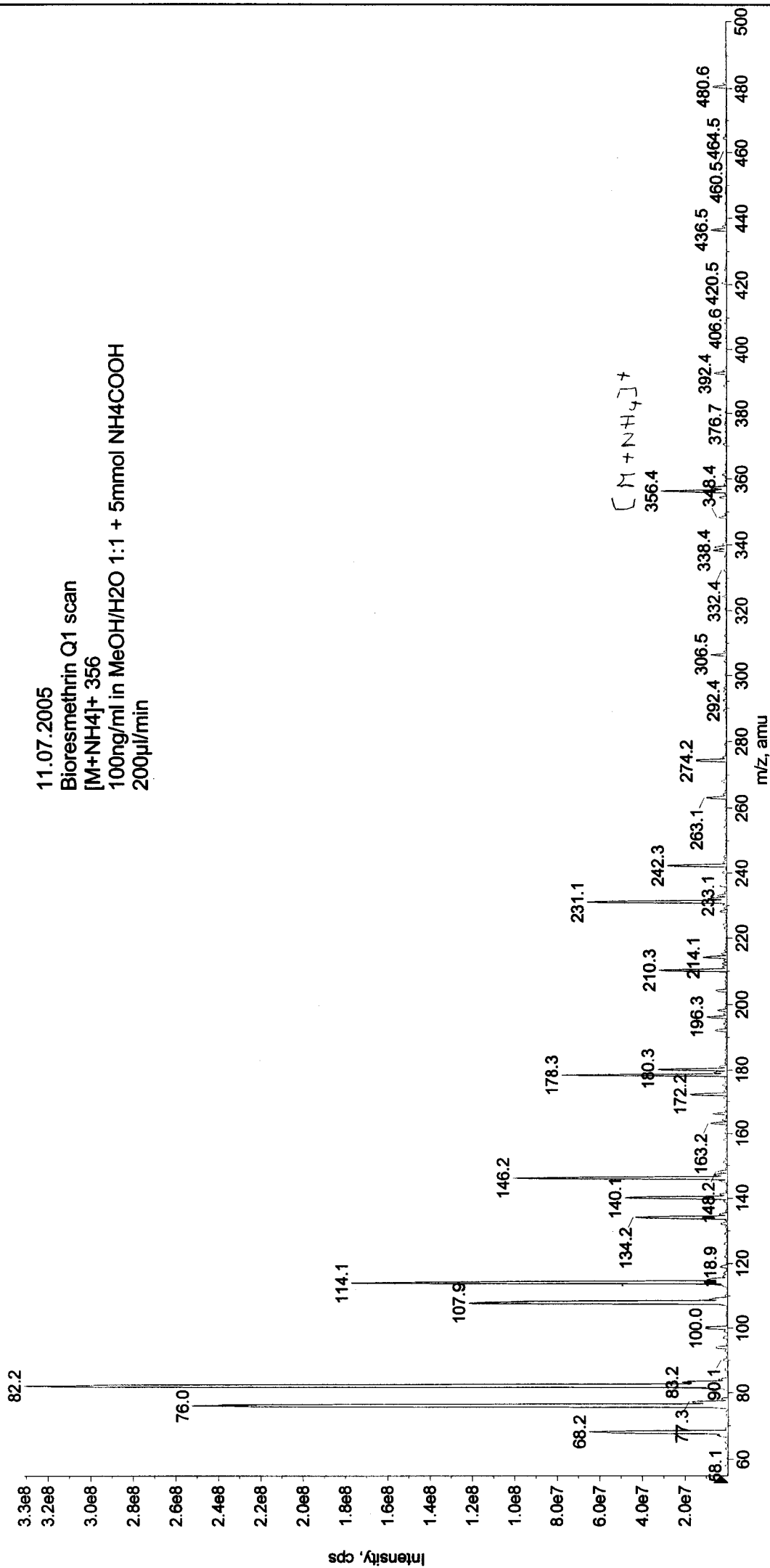
^{*)} For API 3000 and 4000 enhance DP by 20 V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050711112613.wiff (Turbo Spray)

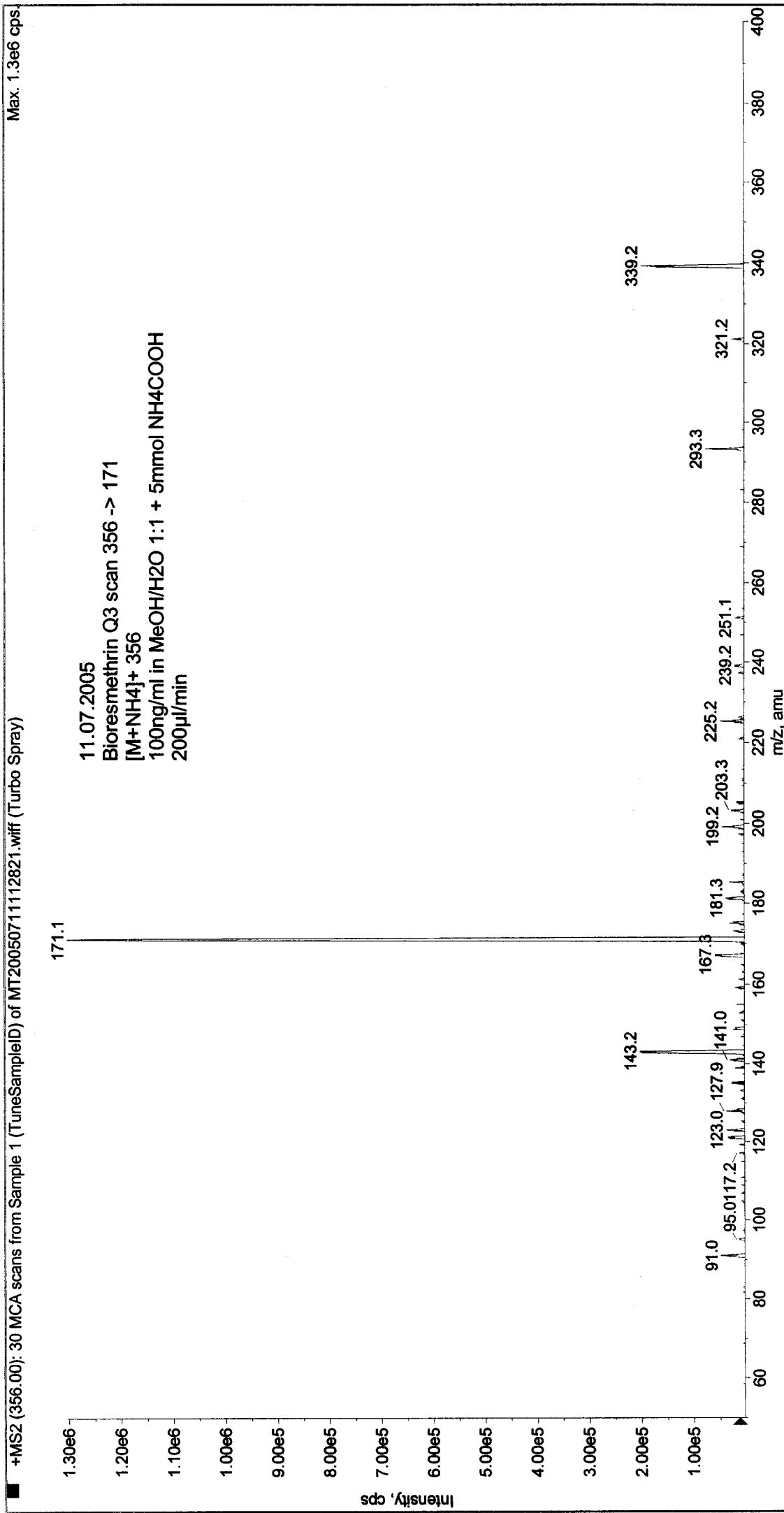
Max. 3.3e8 cps.



Printing Time: 11:29:26
Printing Date: Monday, July 11, 2005

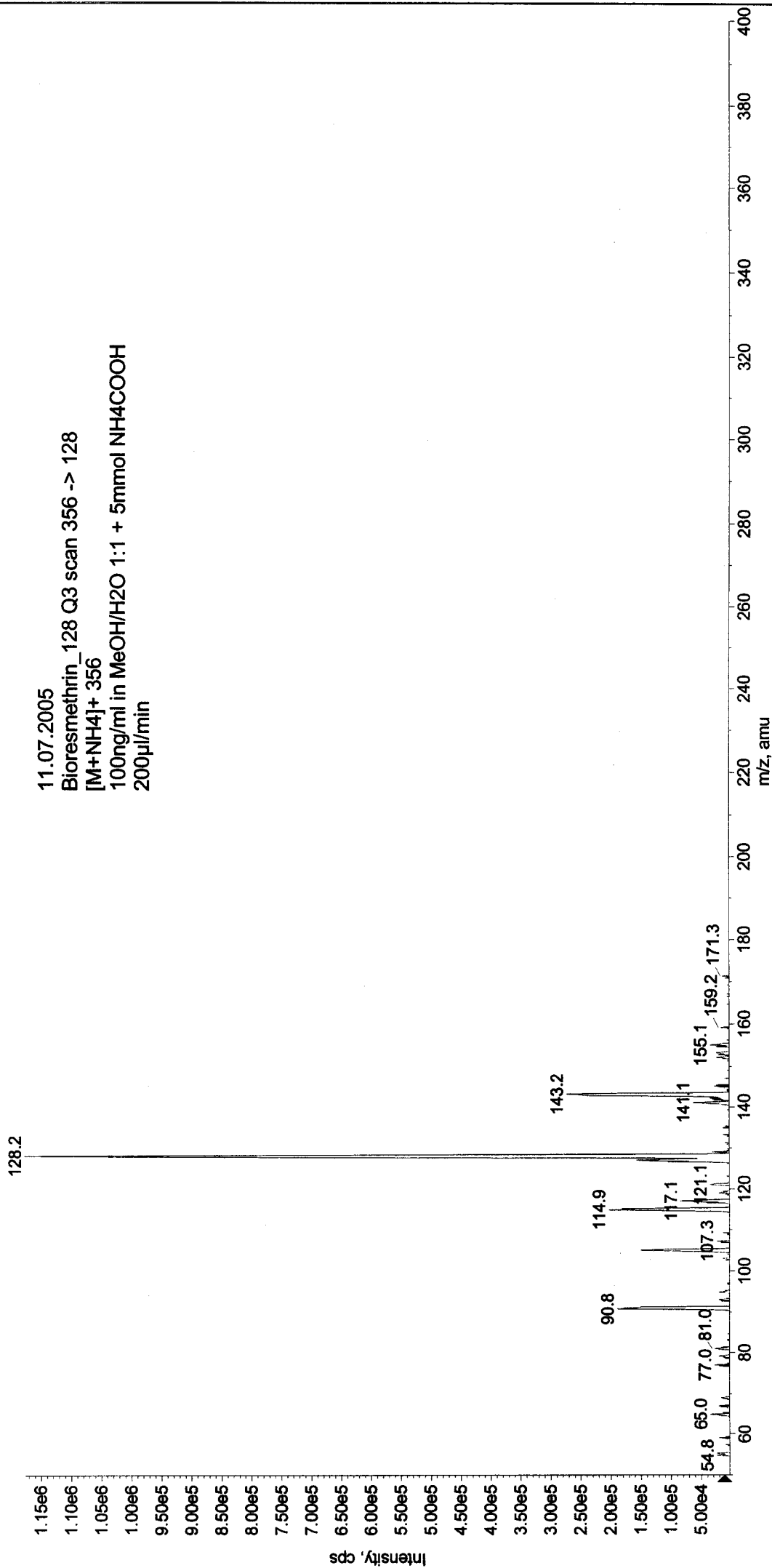
Acq. Time: 11:28
Acq. Date: Monday, July 11, 2005
Acq. File: MT20050711112821.wiff

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



+MS2 (356.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050711113148.wiff (Turbo Spray)

Max. 1.2e6 cps



11.07.2005
 Bioresmethrin_128 Q3 scan 356 -> 128
 [M+NH4]⁺ 356
 100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
 200µl/min