

## MS/MS Parameters of Pesticides

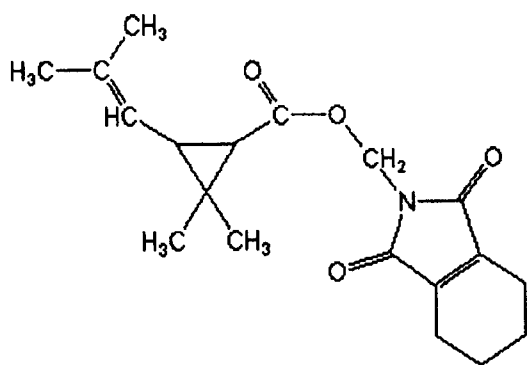
### Analyte: Tetramethrin

CAS No.: 7696-12-0

Formula: C<sub>19</sub>H<sub>25</sub>NO<sub>4</sub>

Molecular mass (lowest isotopes): 331,18 amu

Structure:



Ionisation: ESI +

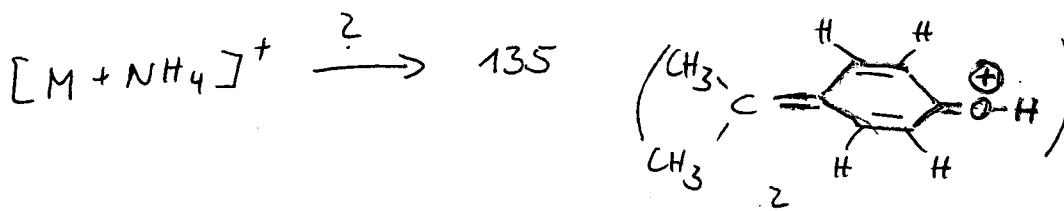
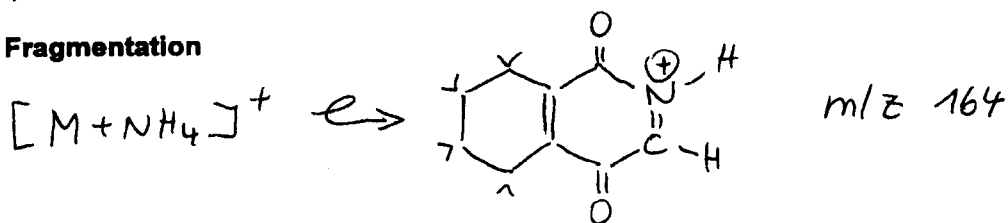
Quasimolecular ion: 349,2 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	349,2 → 164,2	349,2 → 135,2
Declustering potential (DP) <sup>*)</sup>	24V	24 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	10,0 V	12,0 V
Collision cell entrance potential (CEP)	24 V	22 V
Collision energy (CE)	29 V	23 V
Collision cell exit potential (CXP)	8 V	6 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



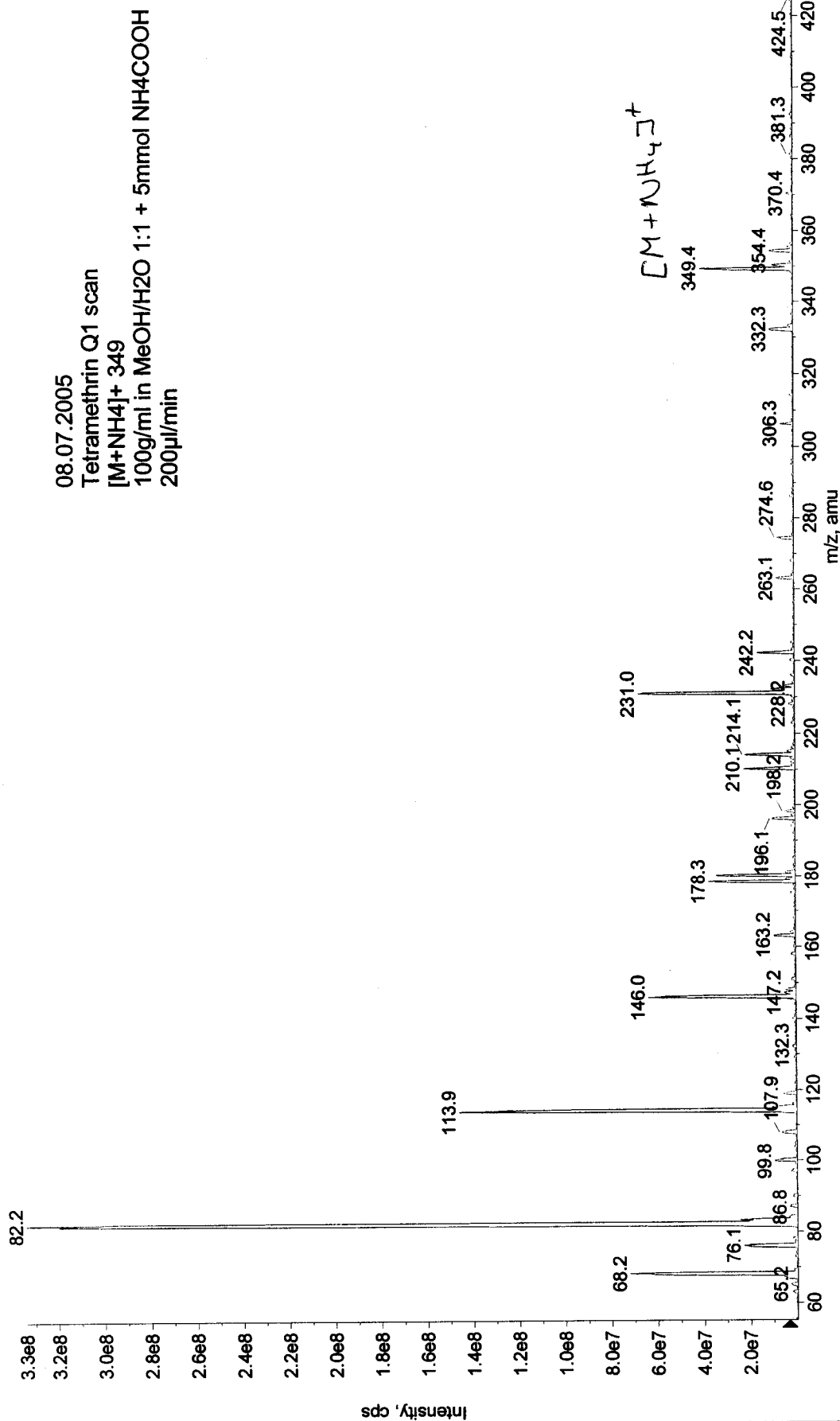
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Printing Date: Friday, July 08, 2005

Acq. Time: 11:42  
Acq. Date: Friday, July 08, 2005  
Acq. File: MT20050708114226.wiff

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

■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050708114226.wiff (Turbo Spray)

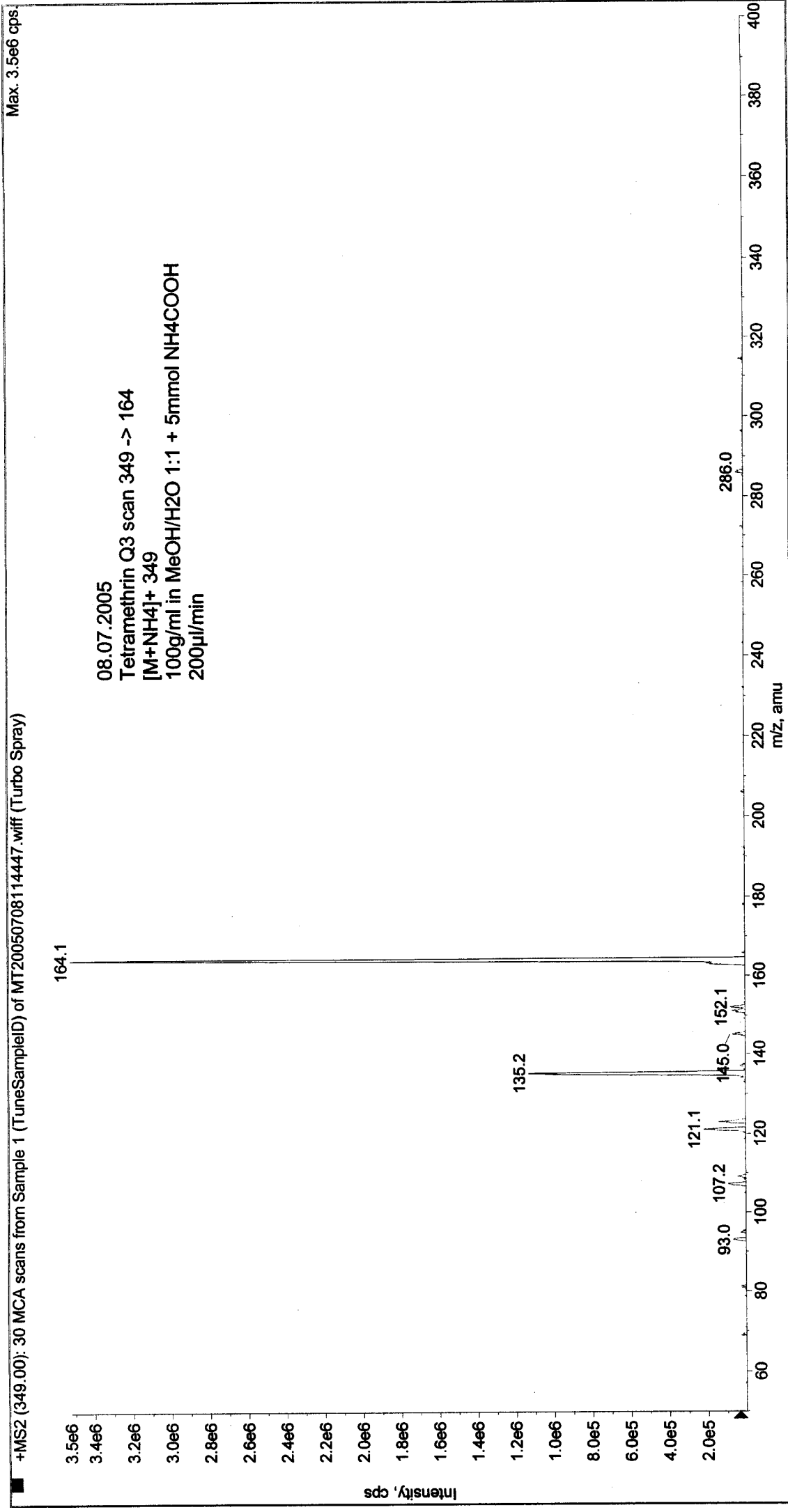
Max. 3.3e8 cps



Printing Time: 11:45:55  
Printing Date: Friday, July 08, 2005

Acq. Time: 11:44  
Acq. Date: Friday, July 08, 2005  
Acq. File: MT20050708114447.wiff

Sample Comment:  
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Batch Name: ManualTune.bat



Printing Time: 11:49:30  
Printing Date: Friday, July 08, 2005

Acq. Time: 11:48  
Acq. Date: Friday, July 08, 2005  
Acq. File: MT20050708114821.wiff

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

