

MS/MS Parameters of Pesticides

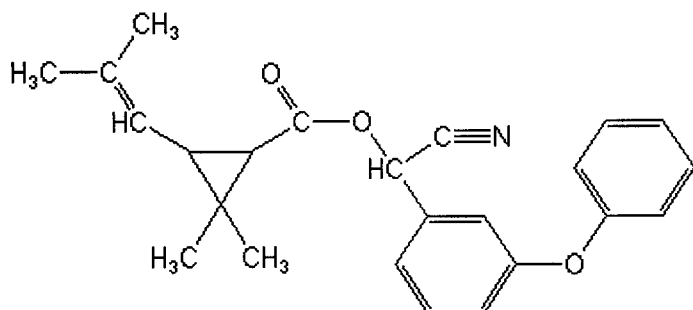
Analyte: Cyphenothrin

CAS No.: 39515-40-7

Formula: C₂₄H₂₅NO₃

Molecular mass (lowest isotopes): 375,18 amu

Structure:



Ionisation: ESI +

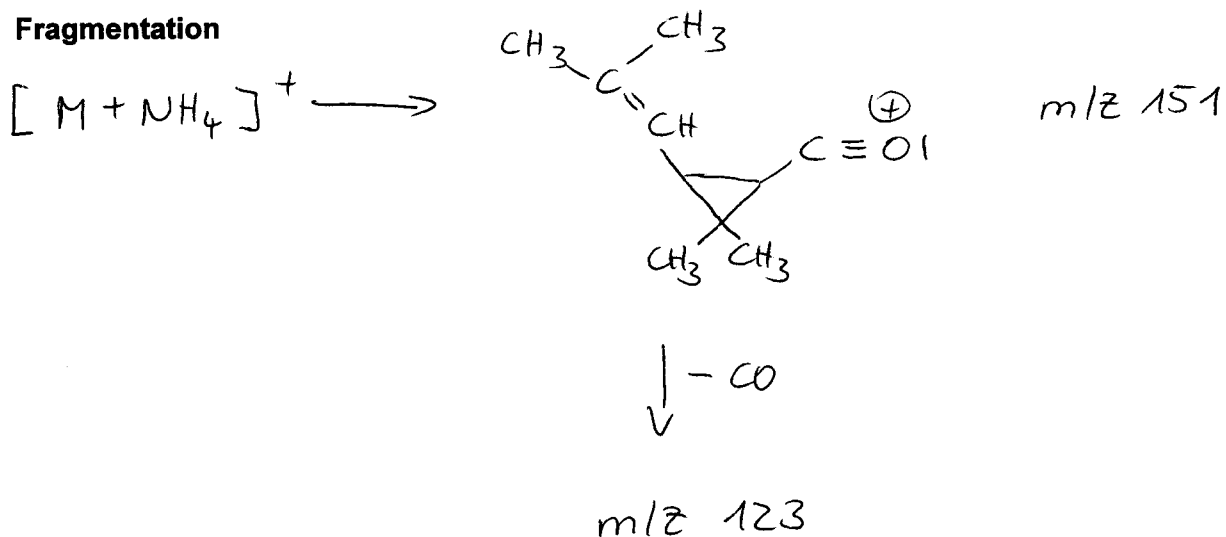
Quasimolecular ion: 393,2 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	393,2 → 151,2	393,2 → 123,1
Declustering potential (DP) ^{*)}	29V	29 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	9,5 V	12,0 V
Collision cell entrance potential (CEP)	22 V	18 V
Collision energy (CE)	21 V	33 V
Collision cell exit potential (CXP)	8 V	6 V

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

Fragmentation



Printing Time: 13:48:37
Printing Date: Tuesday, August 09, 2005

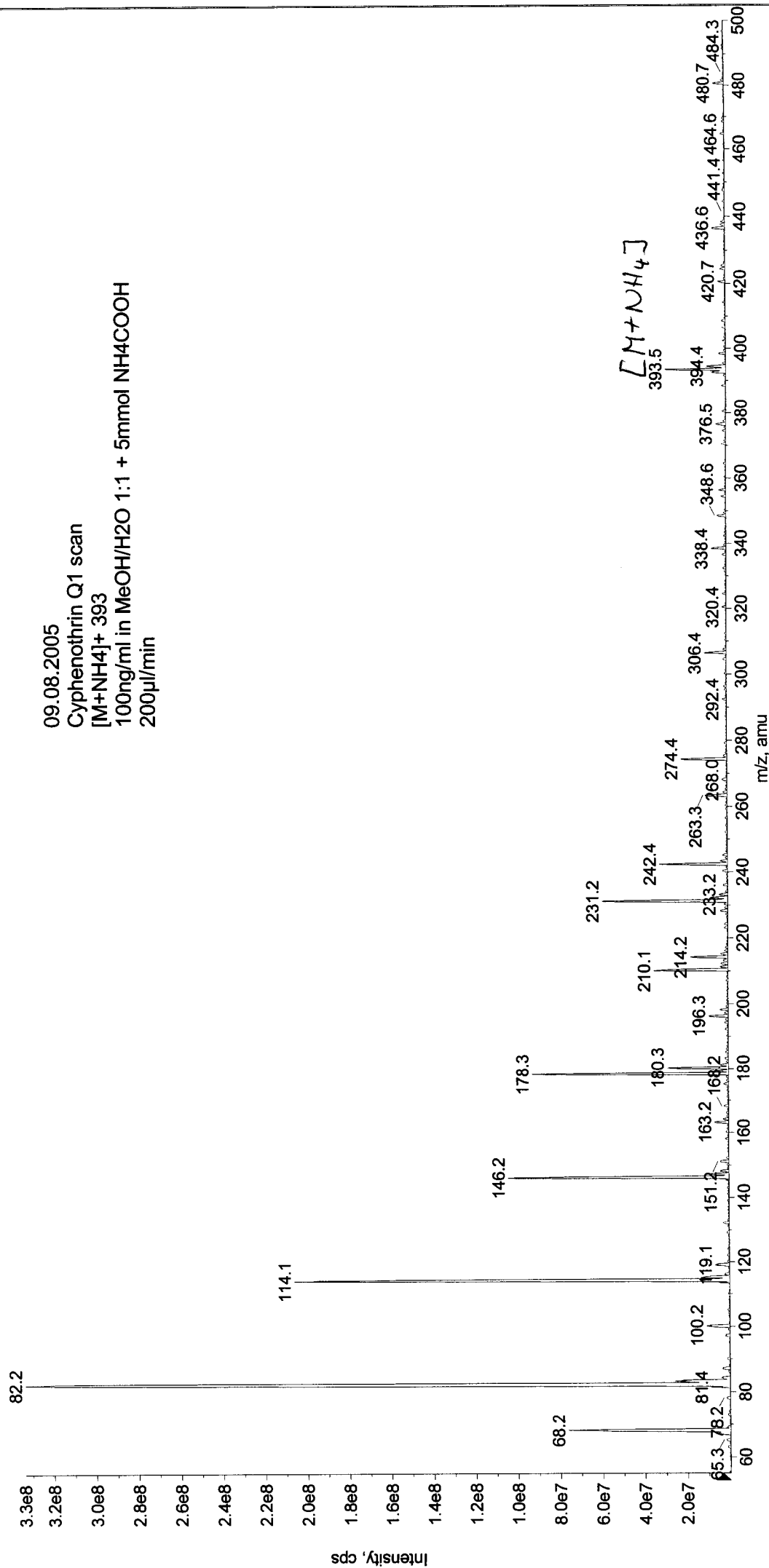
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Acq. Date: Tuesday, August 09, 2005
Acq. File: MT20050809134713.wiff

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

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050809134713.wiff (Turbo Spray)

Max. 3.3e8 cps

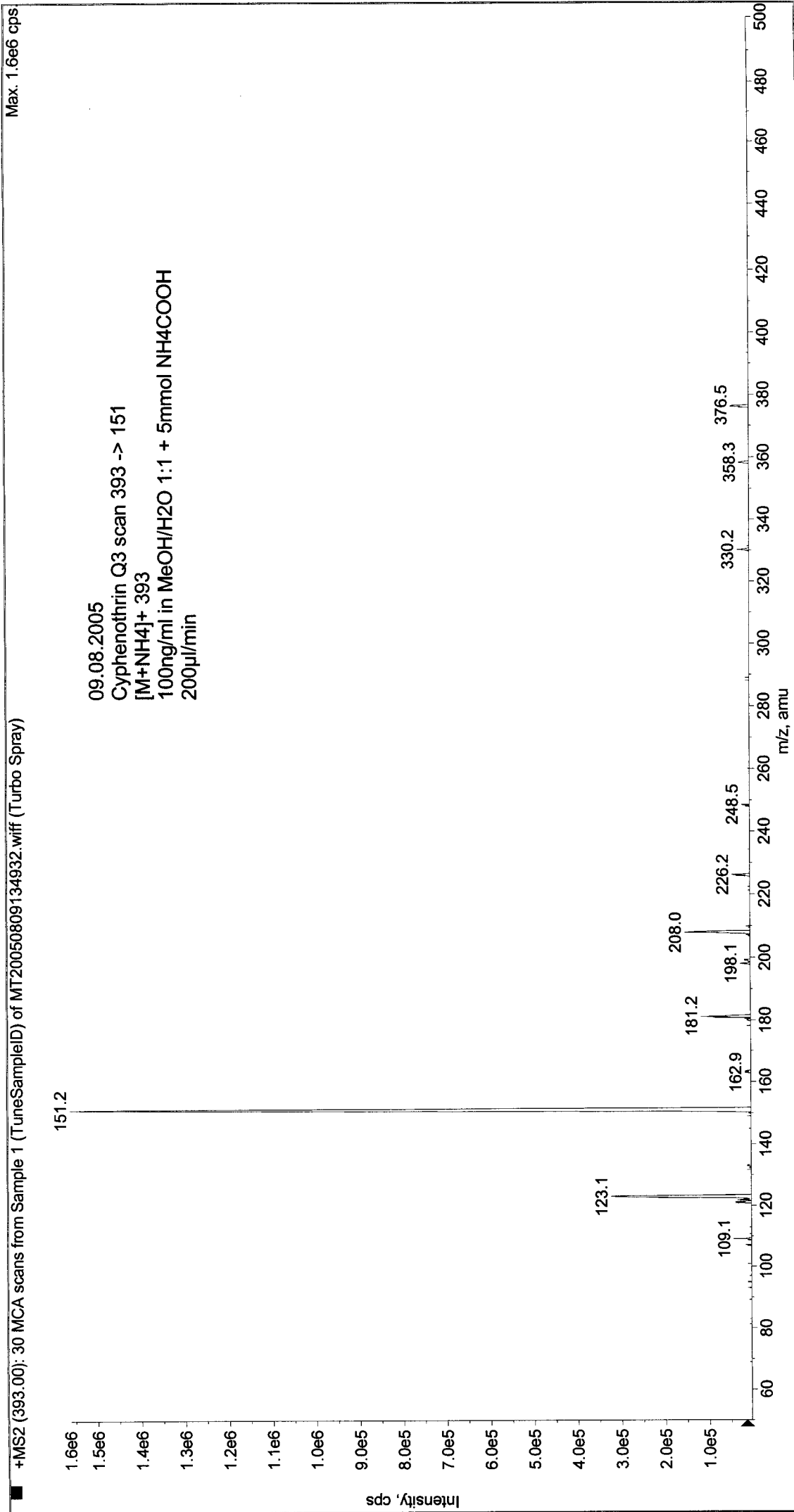
09.08.2005
Cyphenothrin Q1 scan
[M+NH₄]⁺ 393
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 13:50:43
Printing Date: Tuesday, August 09, 2005

Acq. Time: 13:49
Acq. Date: Tuesday, August 09, 2005
Acq. File: MT20050809134932.wiff

Sample Comment:
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Batch Name: ManualTune.bat



Printing Time: 13:55:04
Printing Date: Tuesday, August 09, 2005

Acq. Time: 13:53
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Acq. File: MT20050809135345.wiff

Sample Comment:
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Batch Name: ManualTune.bat

