

## MS/MS Parameters of Pesticides

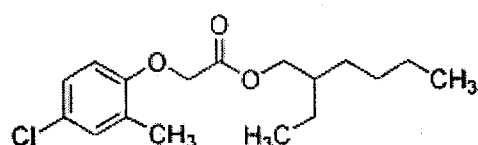
### Analyte: MCPA-2-Ethylhexylester

CAS No.: 29450-45-1

Formula: C<sub>17</sub>H<sub>25</sub>ClO<sub>3</sub>

Molecular mass (lowest isotopes): 312,15 amu

Structure:



Ionisation: ESI +

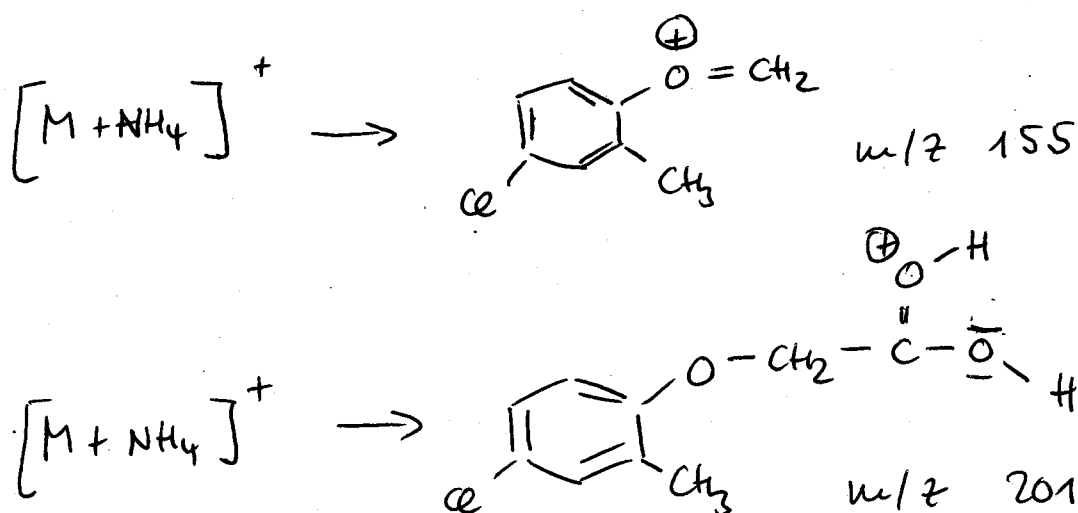
Quasimolecular ion: 330,2 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	330,2 → 155,0	330,2 → 201,0
Declustering potential (DP) <sup>*)</sup>	11V	11 V
Focusing potential (FP)	340 V	350 V
Entrance potential (EP)	8,5 V	8,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	23 V	15 V
Collision cell exit potential (CXP)	8 V	10 V

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

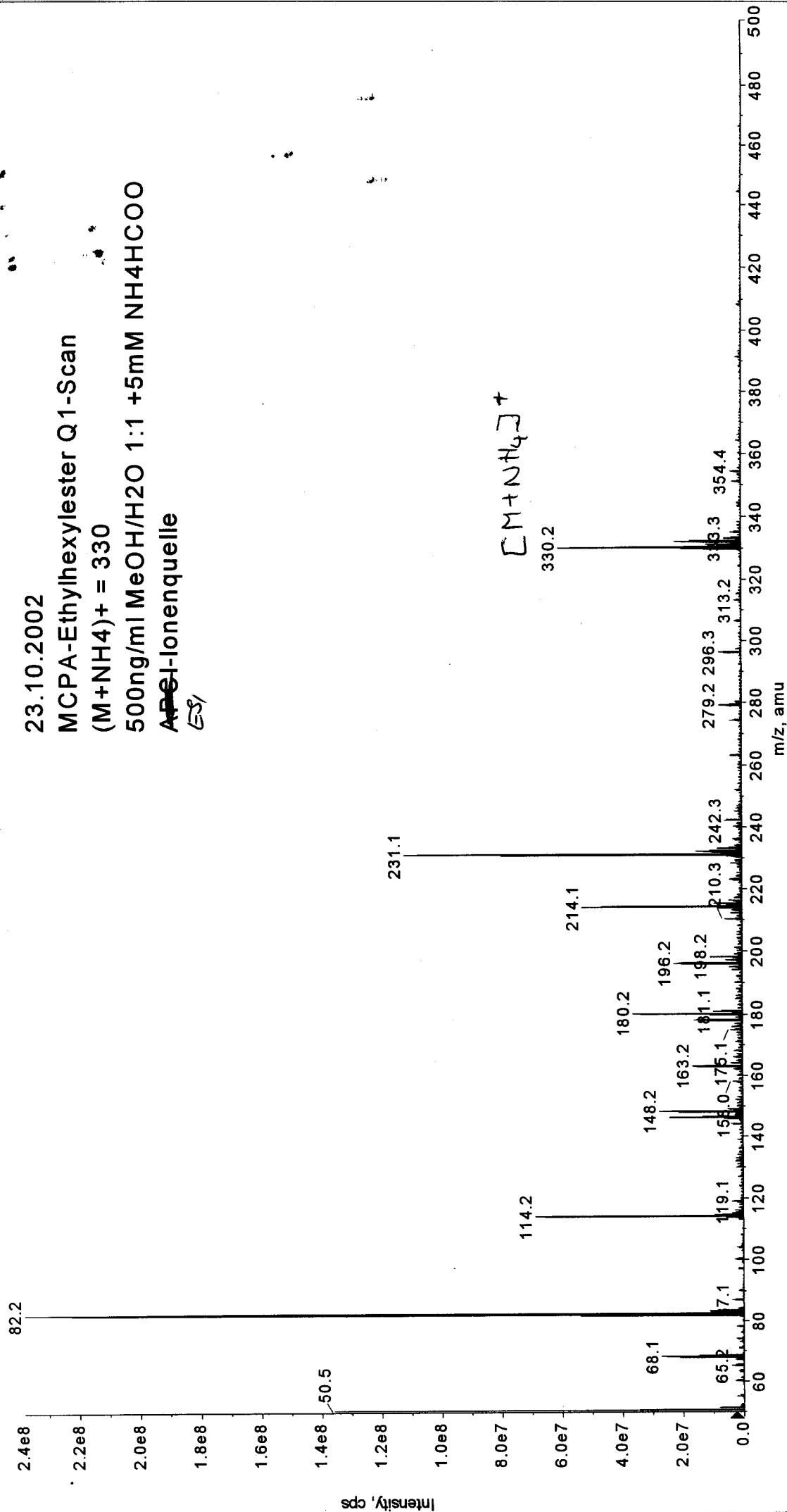
### Fragmentation



+Q1: 30 MCA scans from MT20021023134339.wiff

Max. 2.4e8 cps.

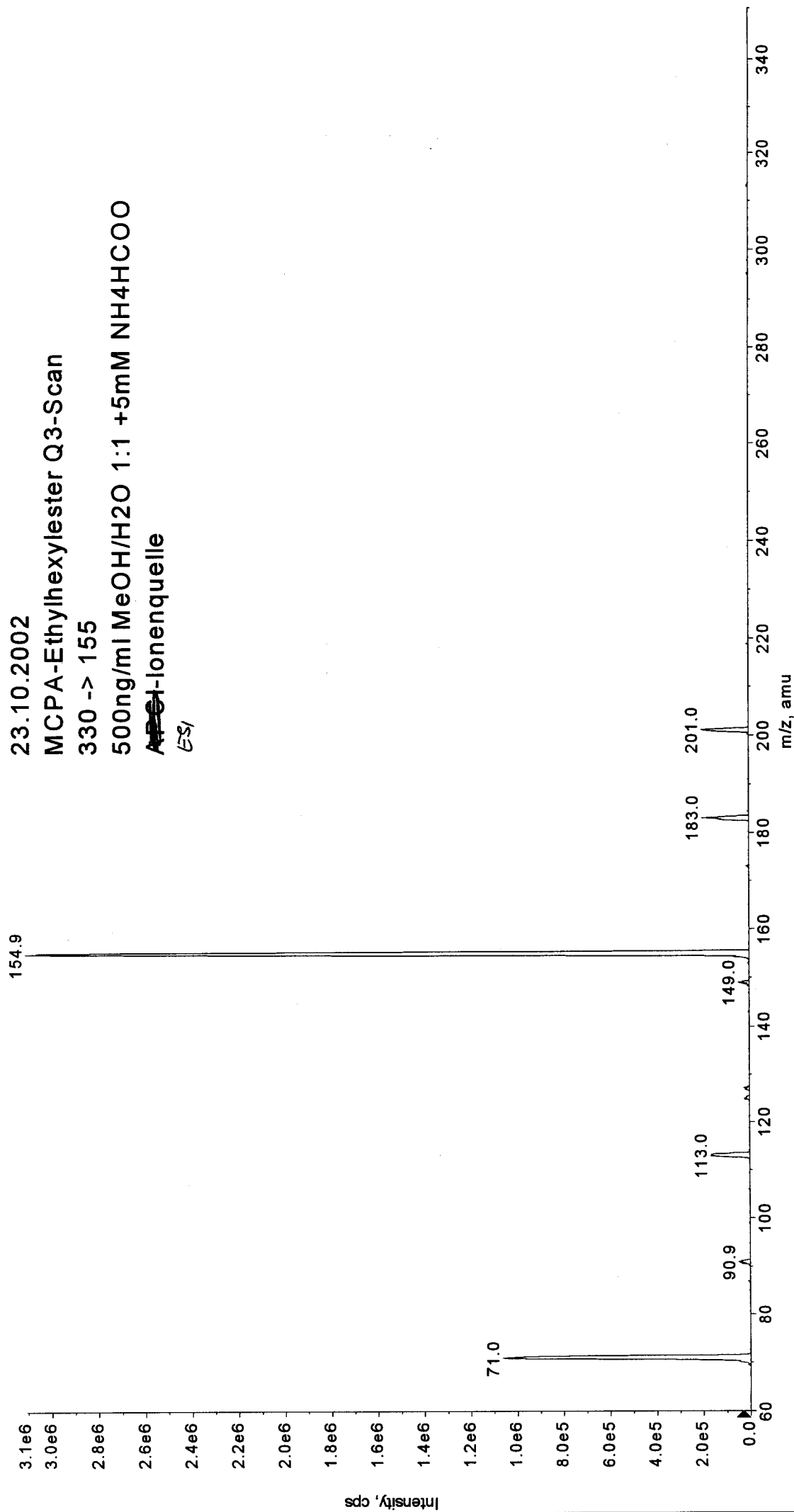
23.10.2002  
MCPA-Ethylhexylester Q1-Scan  
(M+NH<sub>4</sub>)<sup>+</sup> = 330  
500ng/ml MeOH/H<sub>2</sub>O 1:1 +5mM NH<sub>4</sub>HCOO  
~~APCI~~-Ionenquelle  
ESI



■ +Product (330.0): 30 MCA scans from MT20021023134538.wiff

Max. 3.1e6 cps

23.10.2002  
MCPA-Ethylhexylester Q3-Scan  
330 -> 155  
500ng/ml MeOH/H2O 1:1 +5mM NH4HCOO  
~~APCI~~-Ionenquelle  
ESI



Printing Date: 23 October 2002  
Printing Time: 13:56:27

Acq. Date: Wednesday, October 23, 2002  
Acq. Time: 13:55  
Acq. File: MT20021023135505.wiff

Sample Comment:  
Sample Name:  
Batch Name: N/A

■ +Product (330.0): 30 MCA scans from MT20021023135505.wiff

Max. 1.8e6 cps.

23.10.2002  
MCPA-Ethylhexylester201 Q3-Scan  
330 -> 201  
500ng/ml MeOH/H2O 1:1 +5mM NH4HCOO  
ESI-Ionenquelle

