

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

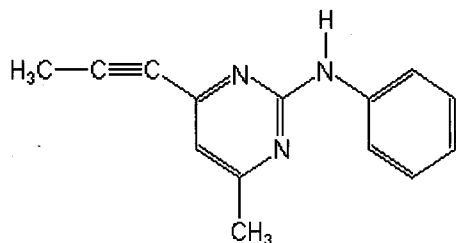
### Analyte: Mepanipirim

CAS No.: 110235-47-7

Formula: C<sub>14</sub>H<sub>13</sub>N<sub>3</sub>

Molecular mass (lowest isotopes): 223,11 amu

Structure:



Ionisation: ESI +

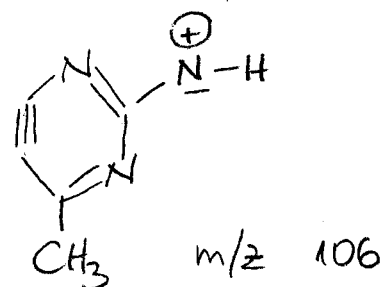
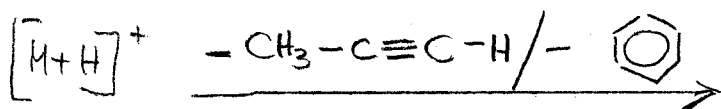
Quasimolecular ion: 224,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	224,1 → 77,0	224,1 → 106,0
Declustering potential (DP) <sup>*)</sup>	26 V	26 V
Focusing potential (FP)	340 V	350 V
Entrance potential (EP)	12,0 V	11,5 V
Collision cell entrance potential (CEP)	14 V	12 V
Collision energy (CE)	49 V	35 V
Collision cell exit potential (CXP)	4 V	6 V

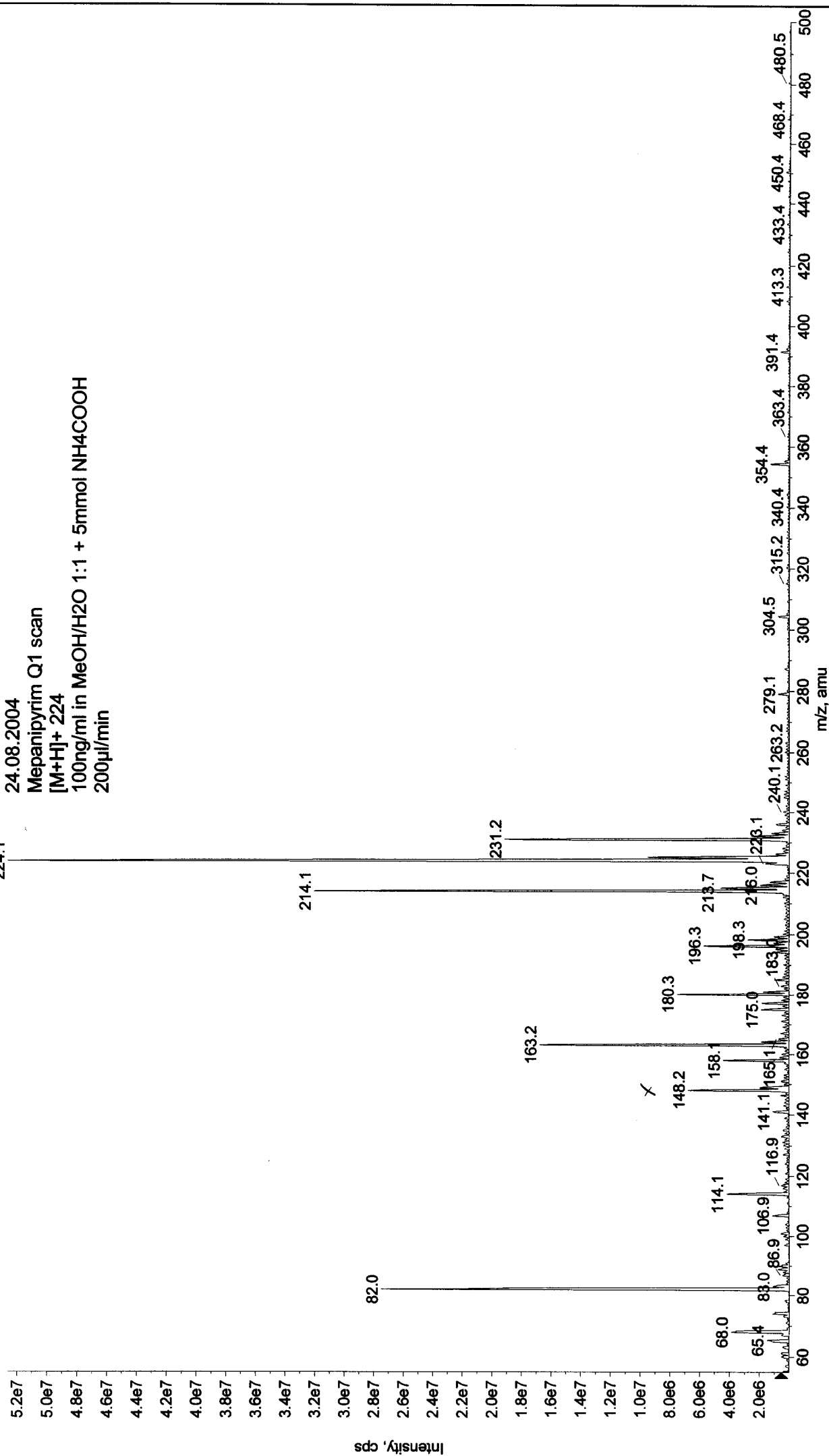
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



m/z 77

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040824110502.wiff (Turbo Spray) Max. 5.3e7 cps



Max. 1.3e6 cps

+MS2 (224.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040824111742.wiff (Turbo Spray)

