

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

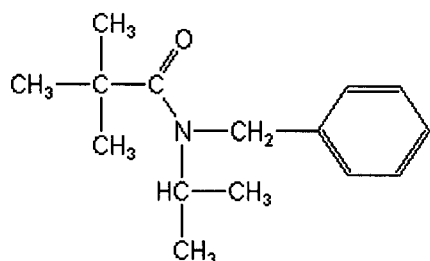
### Analyte: Tebutam

CAS No.: 35256-85-0

Formula: C<sub>15</sub>H<sub>23</sub>NO

Molecular mass (lowest isotopes): 233,18 amu

Structure:



Ionisation: ESI +

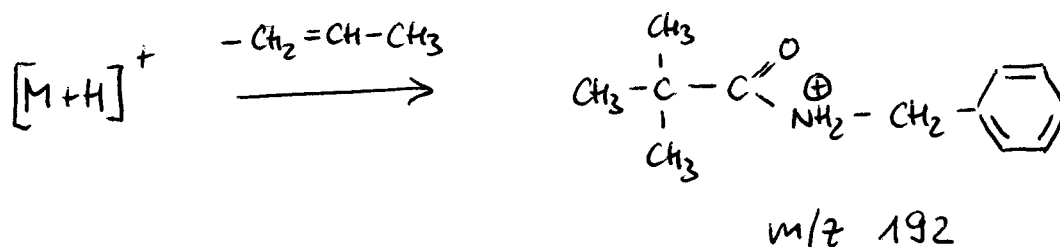
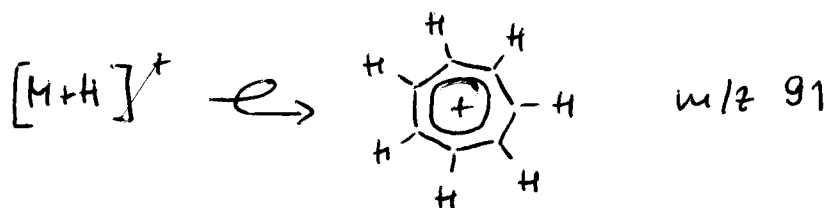
Quasimolecular ion: 234,2 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	234,2 → 91,0	234,2 → 192,2
Declustering potential (DP) <sup>*)</sup>	21 V	21 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	10,0 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	29 V	19 V
Collision cell exit potential (CXP)	6 V	10 V

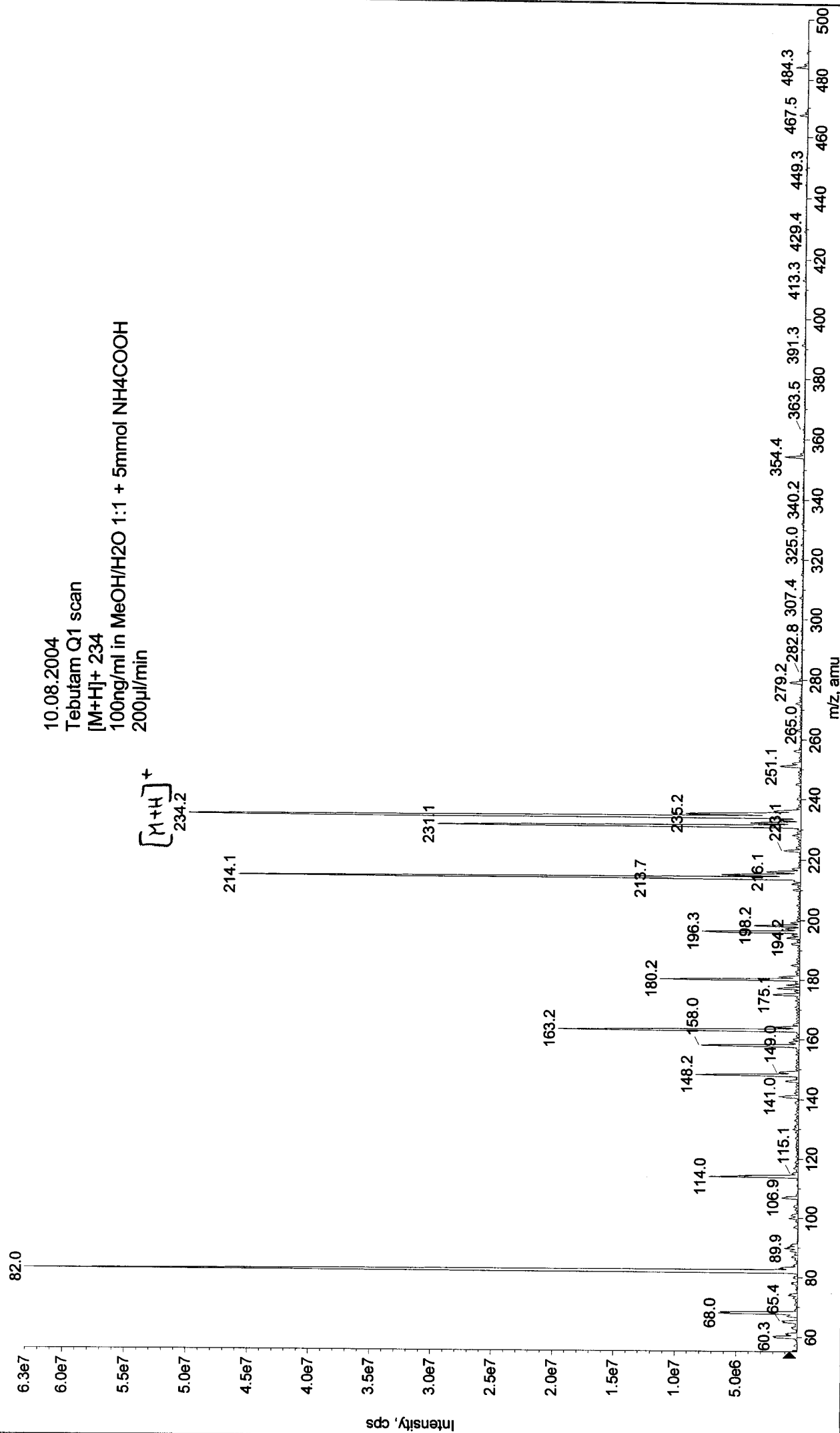
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040810080822.wiff (Turbo Spray)

Max. 6.3e7 cps



+MS2 (234.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040810081100.wiff (Turbo Spray)

Max. 8.6e6 cps

