

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

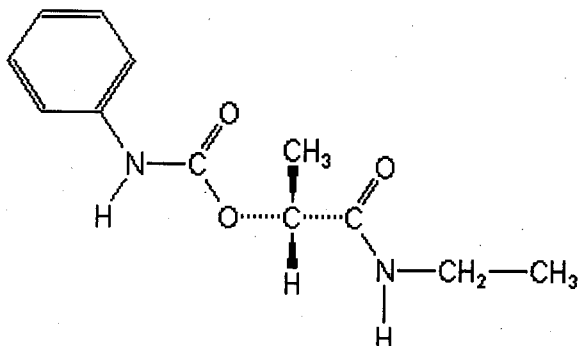
Analyte: Carbetamide

CAS No.: 16118-49-3

Formula: C₁₂H₁₆N₂O₃

Molecular mass (lowest isotopes): 236,12 amu

Structure:



Ionisation: ESI +

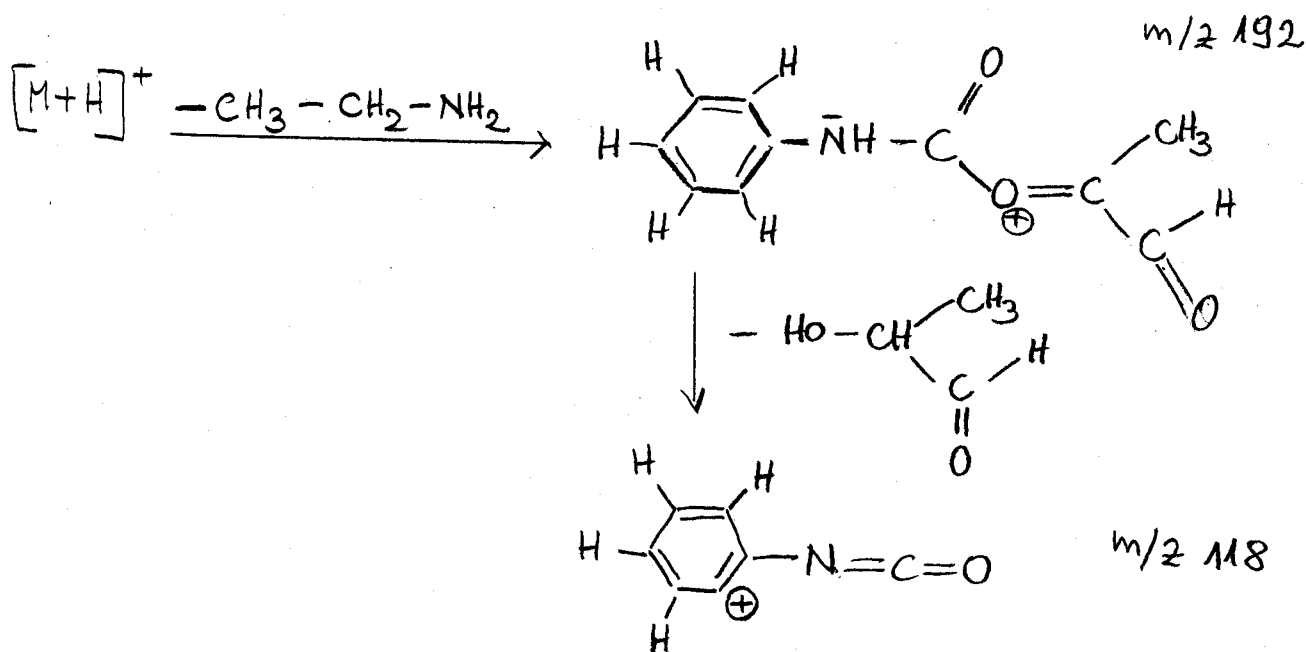
Quasimolecular ion: 237,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

| Transition | 237,1 → 118,1 | 237,1 → 192,0 |
|---|---------------|---------------|
| Declustering potential (DP) ^{*)} | 24 V | 24 V |
| Focusing potential (FP) | 360 V | 360 V |
| Entrance potential (EP) | 7,0 V | 6,5 V |
| Collision cell entrance potential (CEP) | 14 V | 14 V |
| Collision energy (CE) | 19 V | 13 V |
| Collision cell exit potential (CXP) | 4 V | 10 V |

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

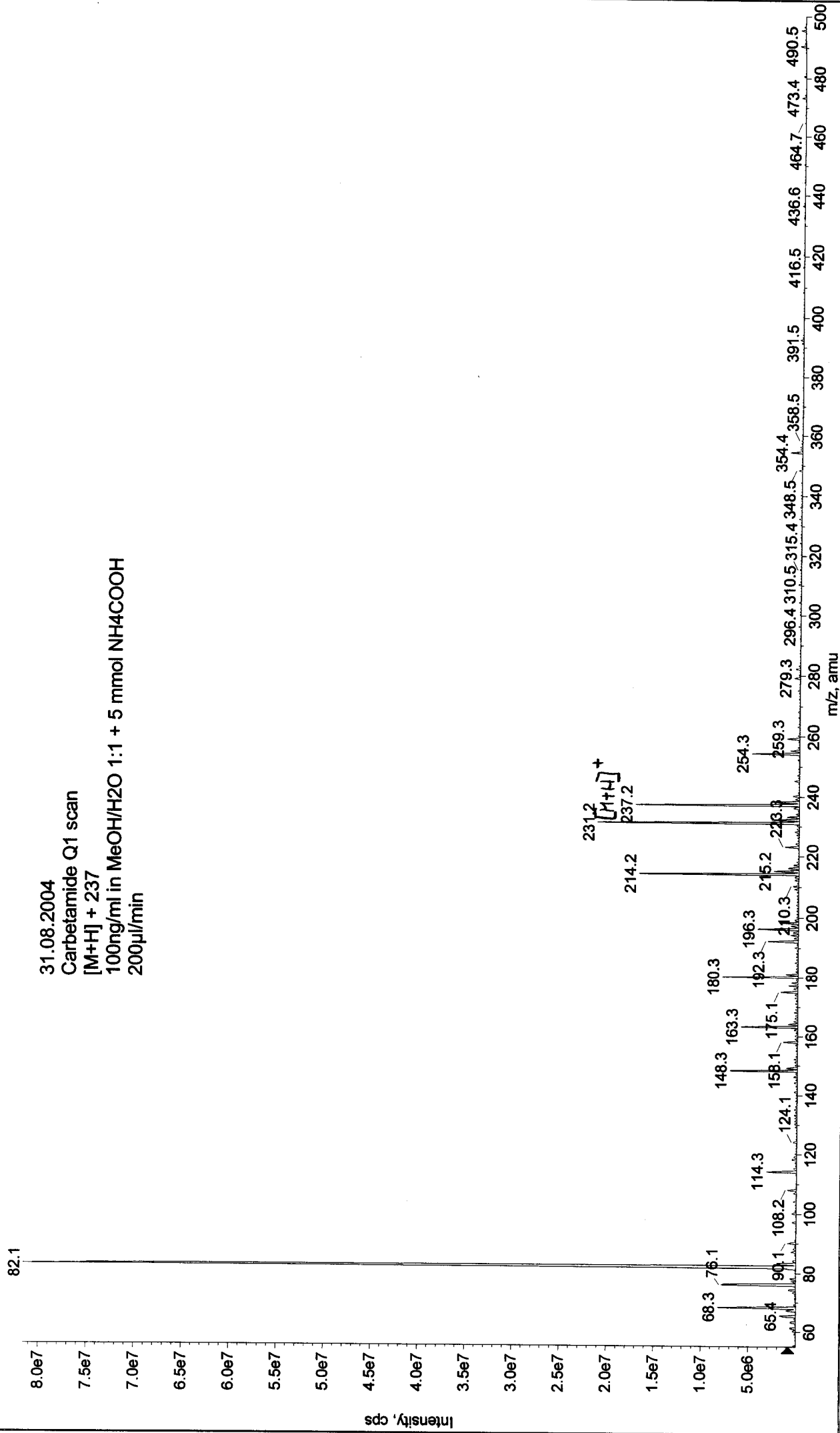
Fragmentation



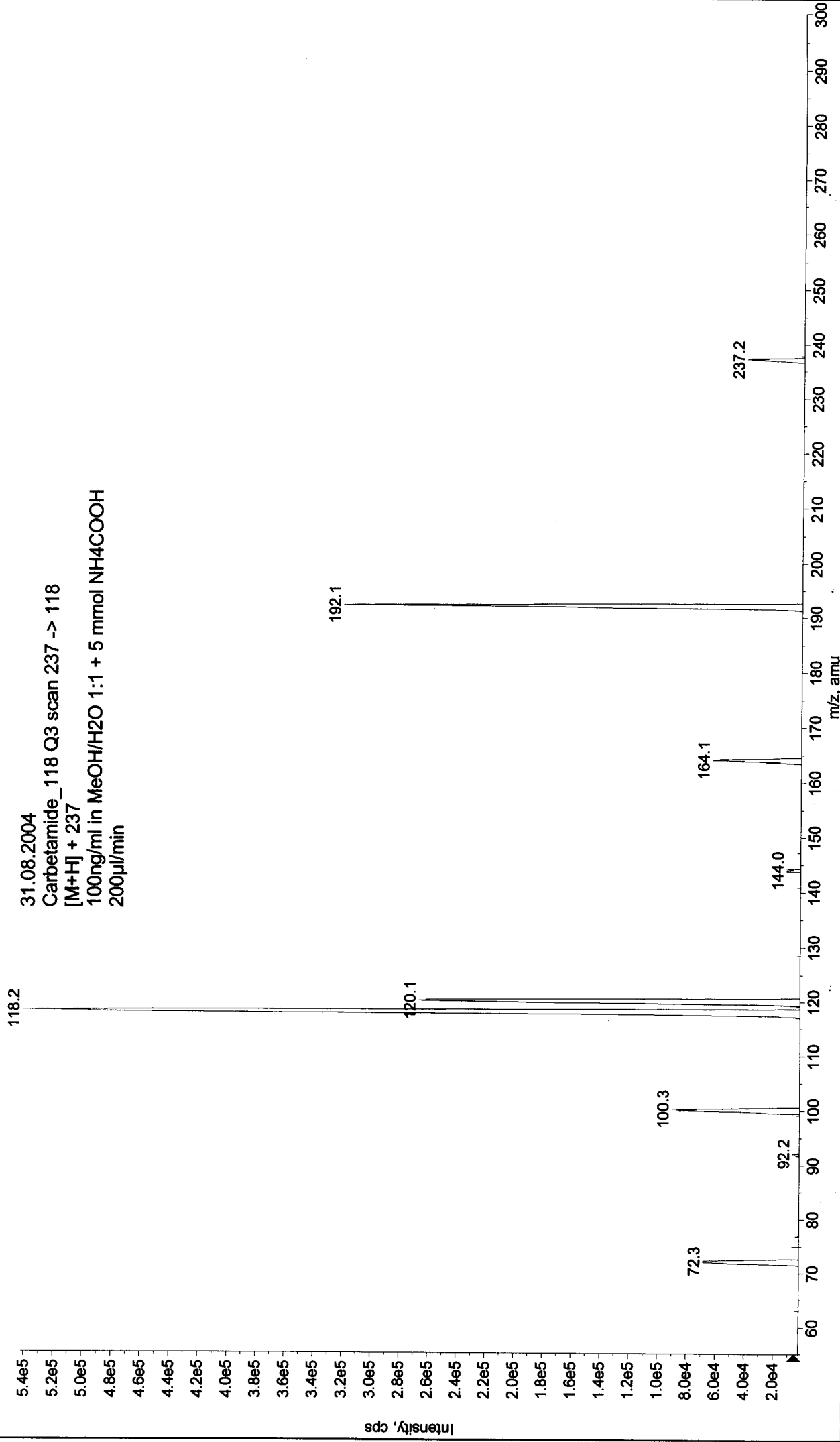
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831091652.wiff (Turbo Spray)

Max. 8.2e7 cps

31.08.2004
Carbetamide Q1 scan
[M+H]⁺ + 237
100ng/ml in MeOH/H₂O 1:1 + 5 mmol NH₄COOH
200µl/min



+MS2 (237.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831101636.wiff (Turbo Spray) Max. 5.4e5 cps.



+MS2 (237.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831101948.wiff (Turbo Spray) Max. 7.3e5 cps.

