

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

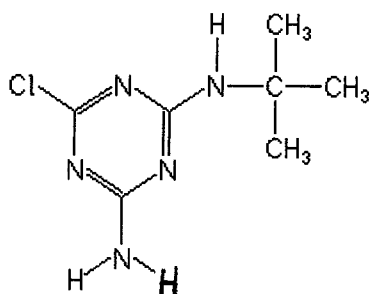
### Analyte: Terbutylazine-desethyl

CAS No.: 30125-63-4

Formula: C<sub>7</sub>H<sub>12</sub>ClN<sub>5</sub>

Molecular mass (lowest isotopes): 201,08 amu

Structure:



Ionisation: ESI +

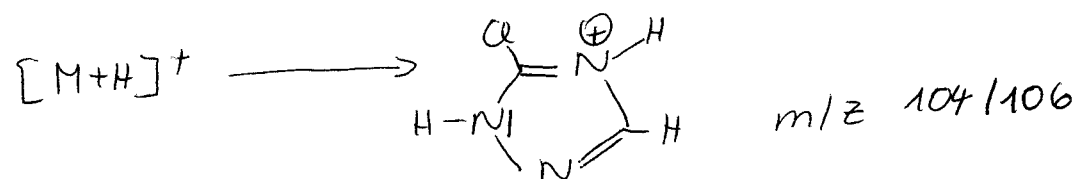
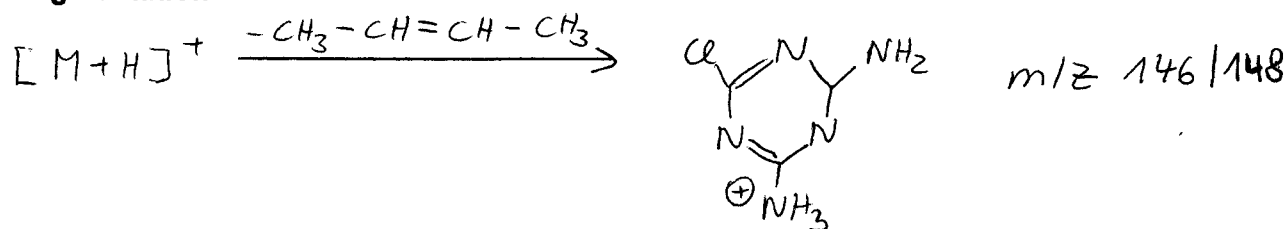
Quasimolecular ion: 202,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

| Transition                                | 202,1 → 145,9 | 202,1 → 104,2 |
|---|---------------|---------------|
| Declustering potential (DP) <sup>*)</sup> | 26V           | 26 V          |
| Focusing potential (FP)                   | 370 V         | 370 V         |
| Entrance potential (EP)                   | 10,5 V        | 12 V          |
| Collision cell entrance potential (CEP)   | 12 V          | 12 V          |
| Collision energy (CE)                     | 23 V          | 37 V          |
| Collision cell exit potential (CXP)       | 8 V           | 4 V           |

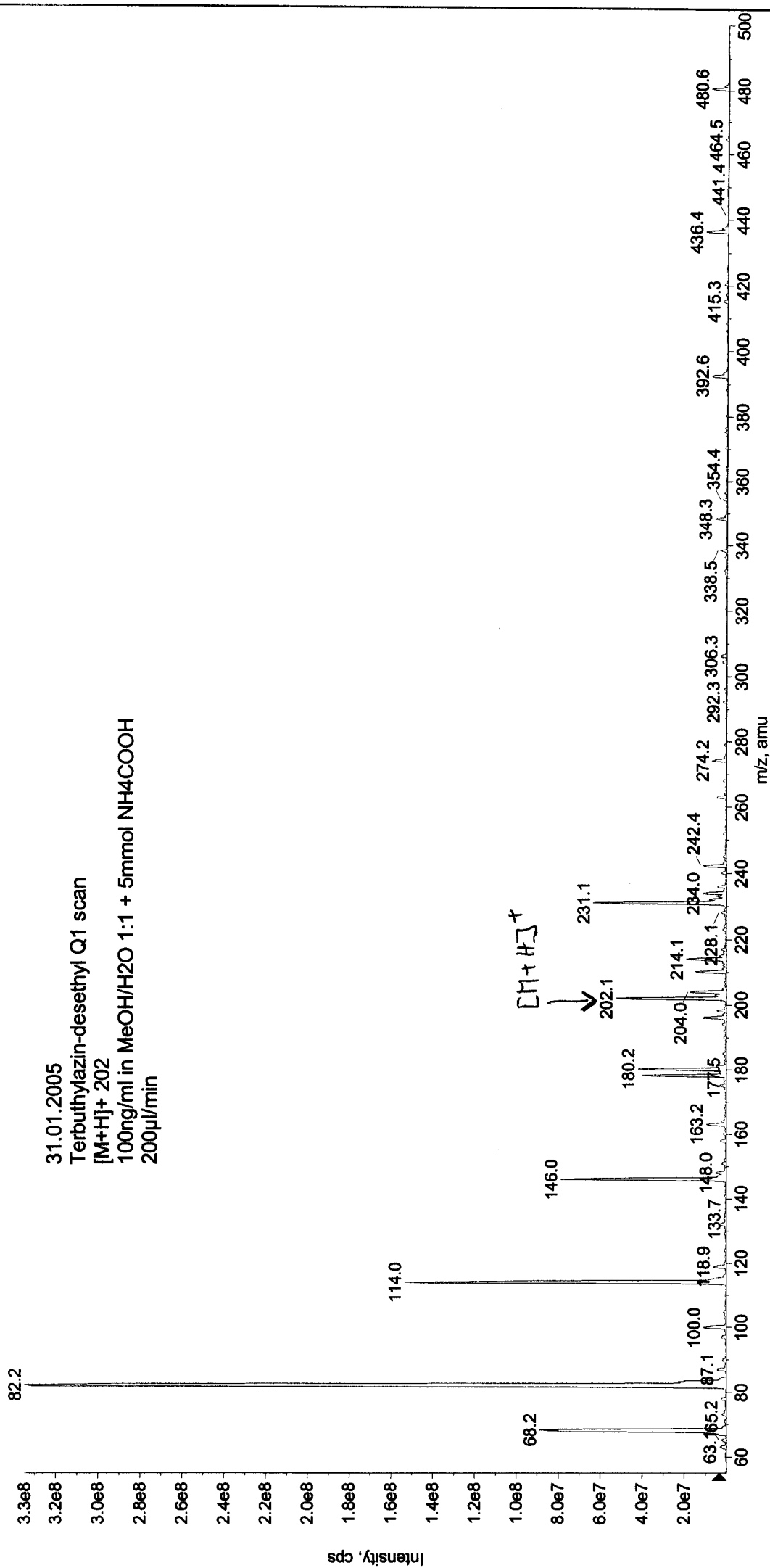
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

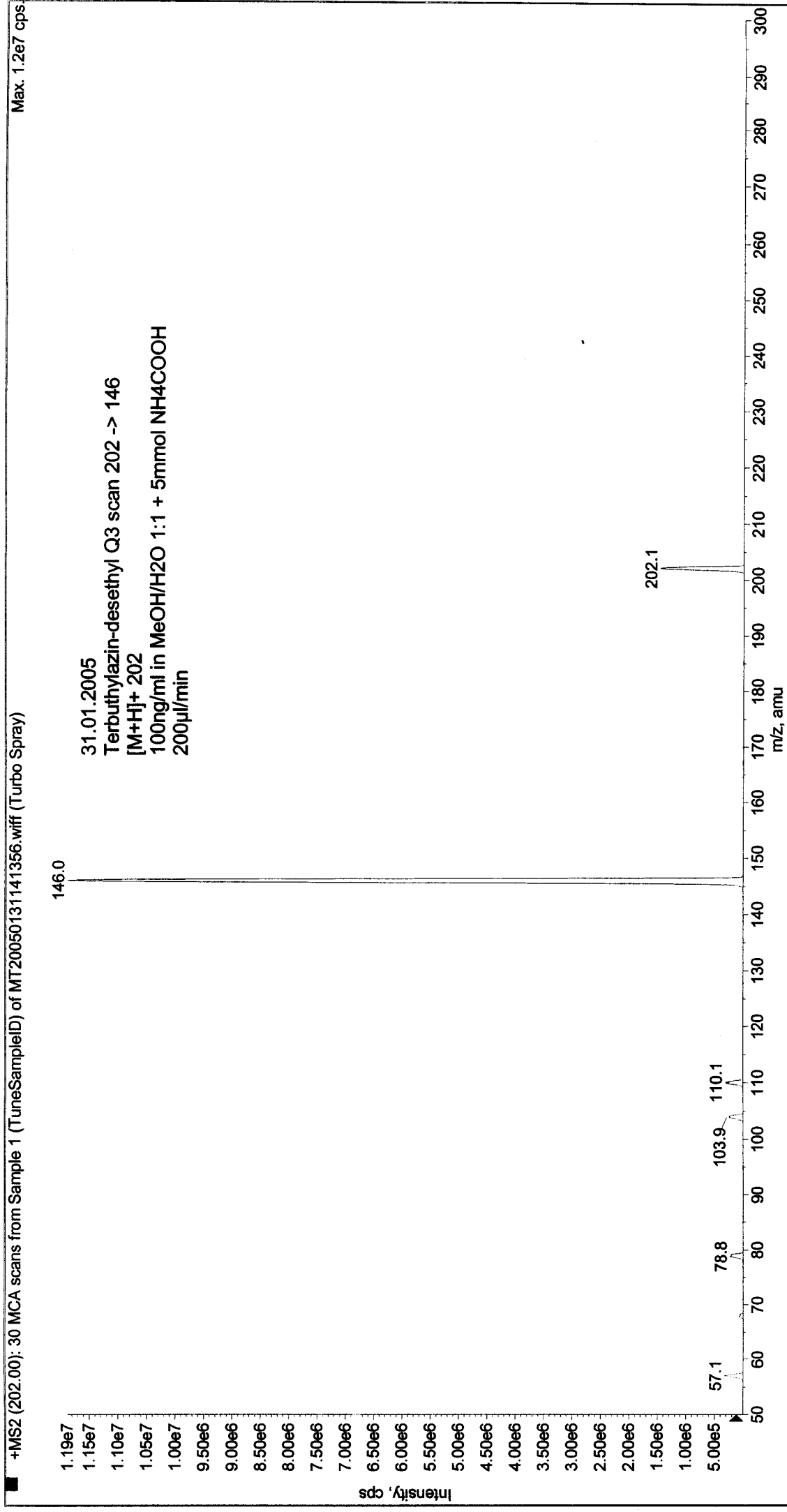
### Fragmentation

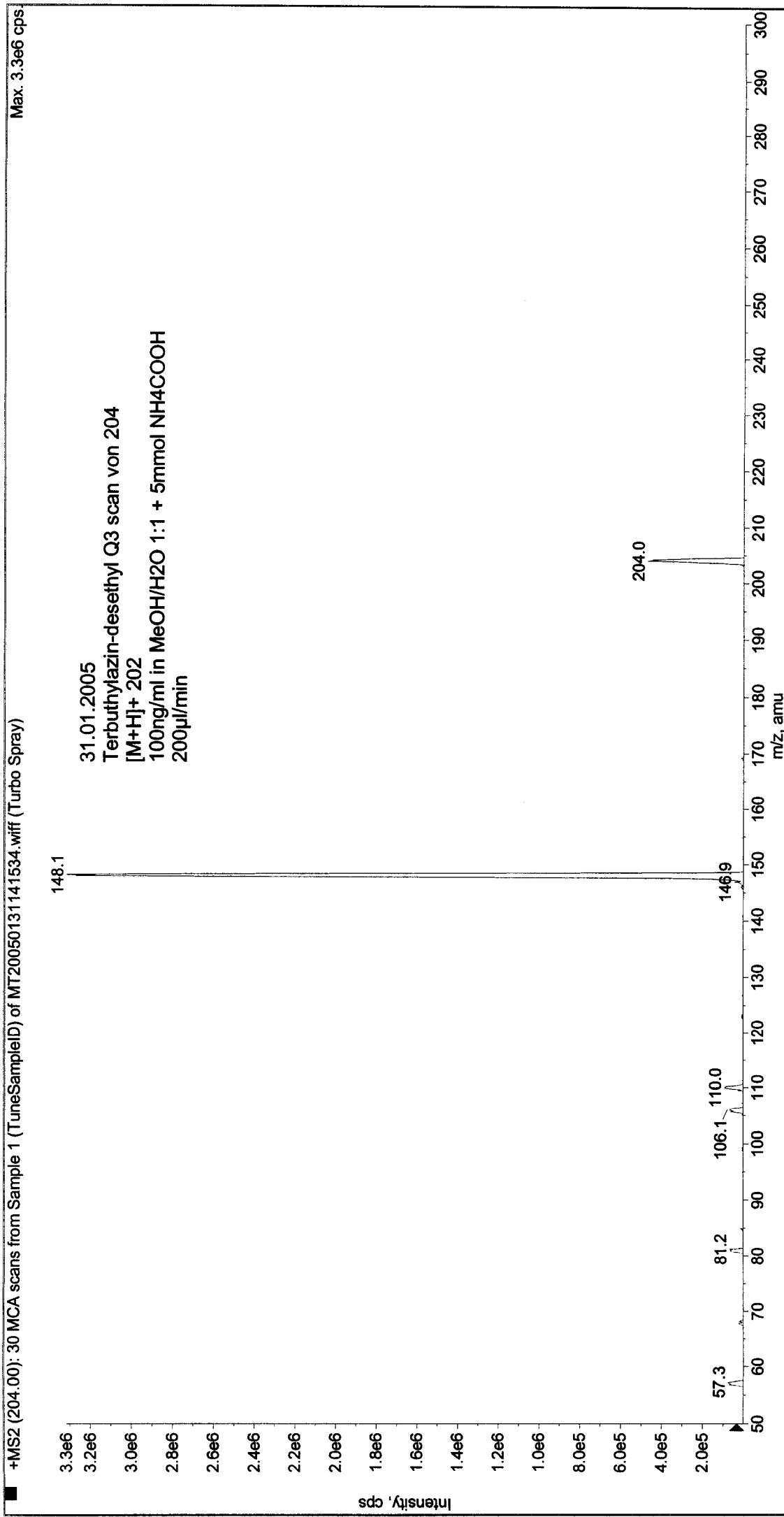


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050131135619.wiff (Turbo Spray)

Max. 3.3e8 cps







+MS2 (202.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050131142224.wiff (Turbo Spray) Max. 3.0e6 cps

146.1

31.01.2005

Terbutylazin-desethyl\_104 Q3 scan 202 -> 104

[M+H]<sup>+</sup> 202

100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH

200µl/min

104.1

78.9

68.0

110.1

57.0

62.0

m/z, amu

