

MS/MS Parameters of Pesticides

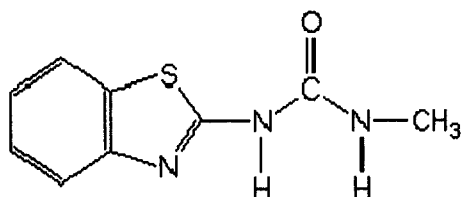
Analyte: Benzthiazuron

CAS No.: 1929-88-0

Formula: C₉H₉N₃OS

Molecular mass (lowest isotopes): 207,05 amu

Structure:



Ionisation: ESI +

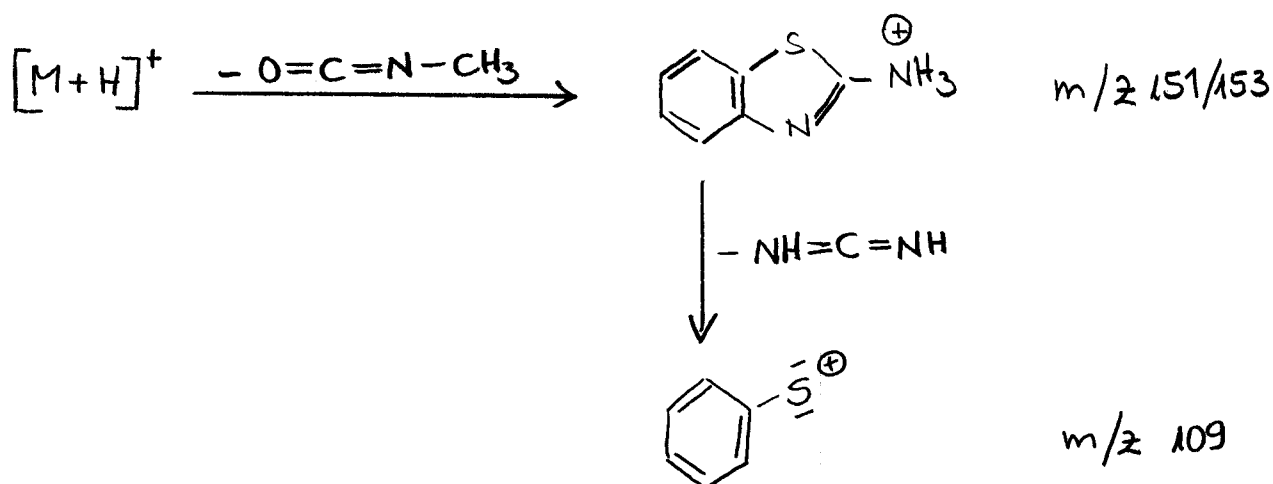
Quasimolecular ion: 208,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

| Transition | 208,1 → 151,0 | 208,1 → 109,0 |
|---|---------------|---------------|
| Declustering potential (DP) ^{*)} | 18,5 V | 18,5 V |
| Focusing potential (FP) | 370 V | 370 V |
| Entrance potential (EP) | 9,5 V | 11,5 V |
| Collision cell entrance potential (CEP) | 14 V | 14 V |
| Collision energy (CE) | 21 V | 49 V |
| Collision cell exit potential (CXP) | 8 V | 6 V |

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

Fragmentation

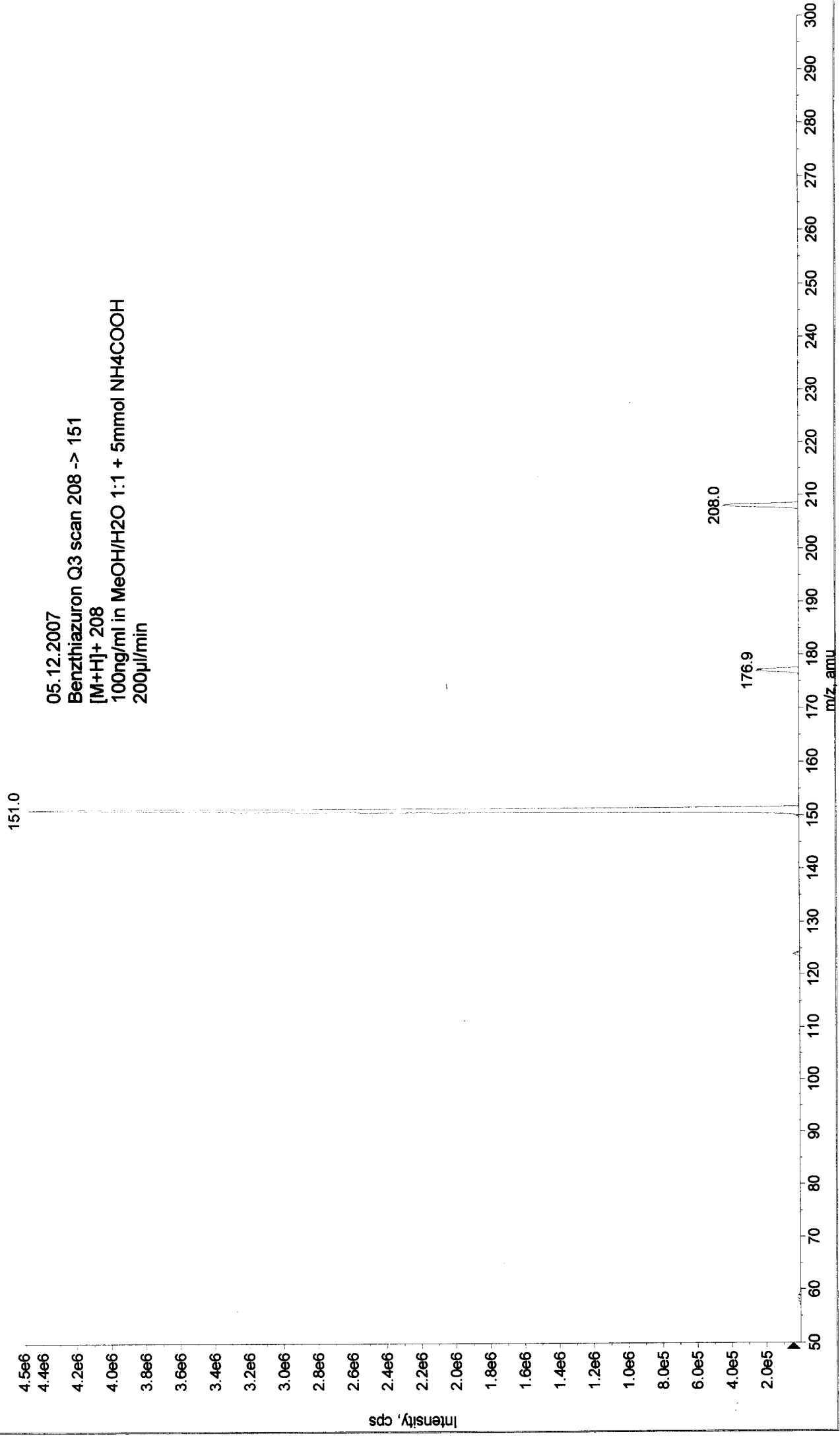


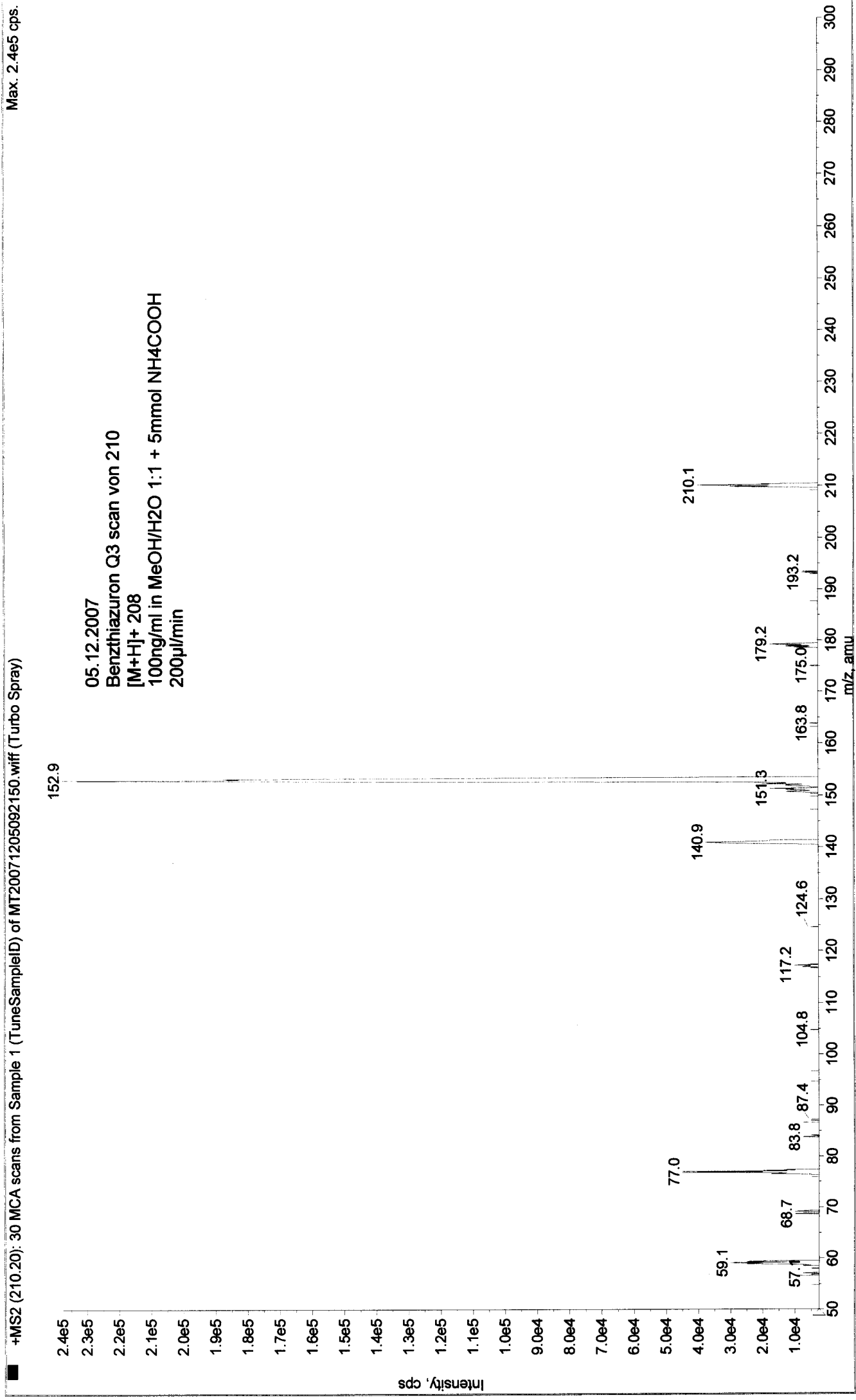
■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20071205091828.wiff (Turbo Spray)

Max. 1.4e8 cps.



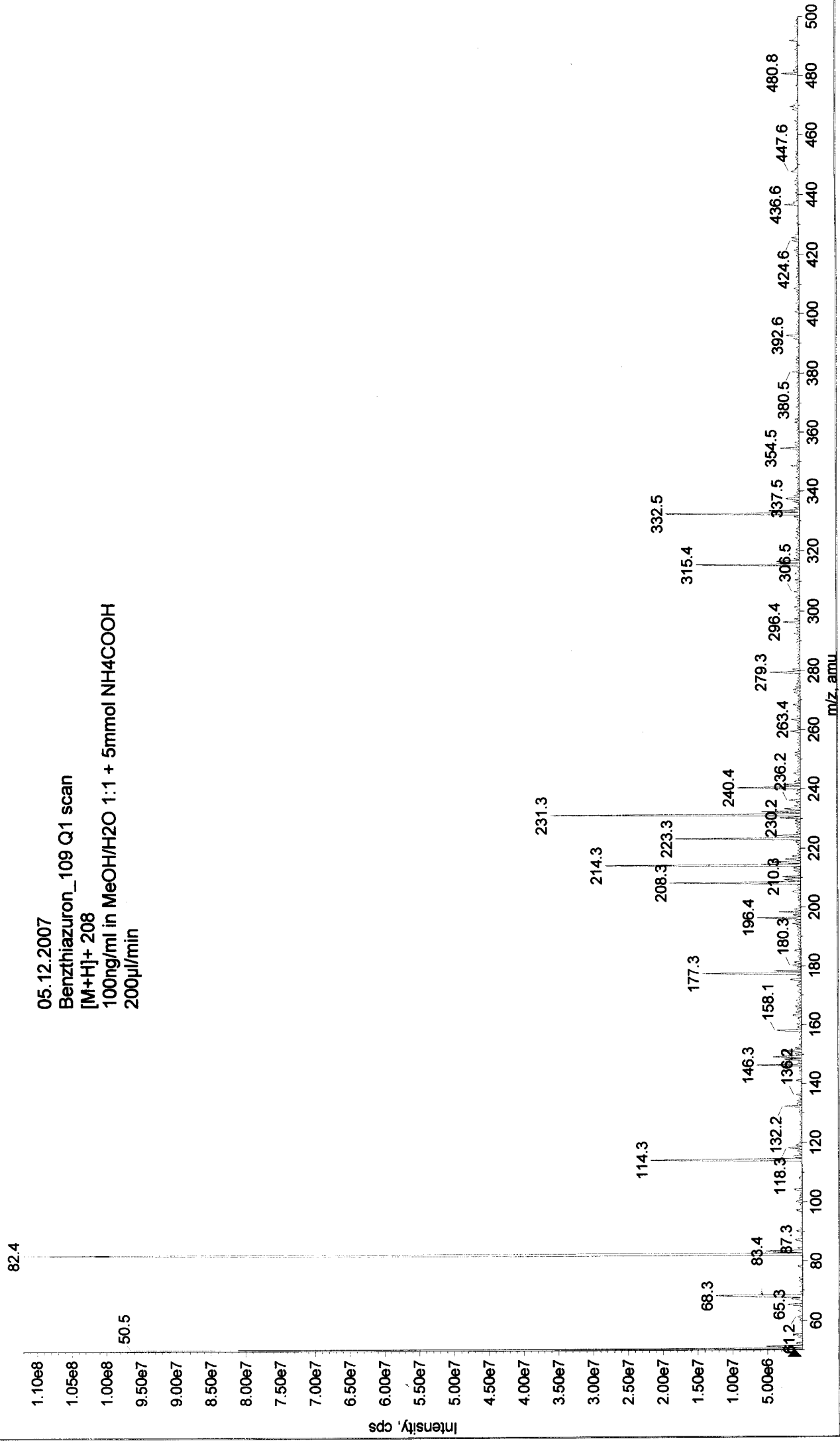
■ +MS2 (208.20): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071205092028.wiff (Turbo Spray)



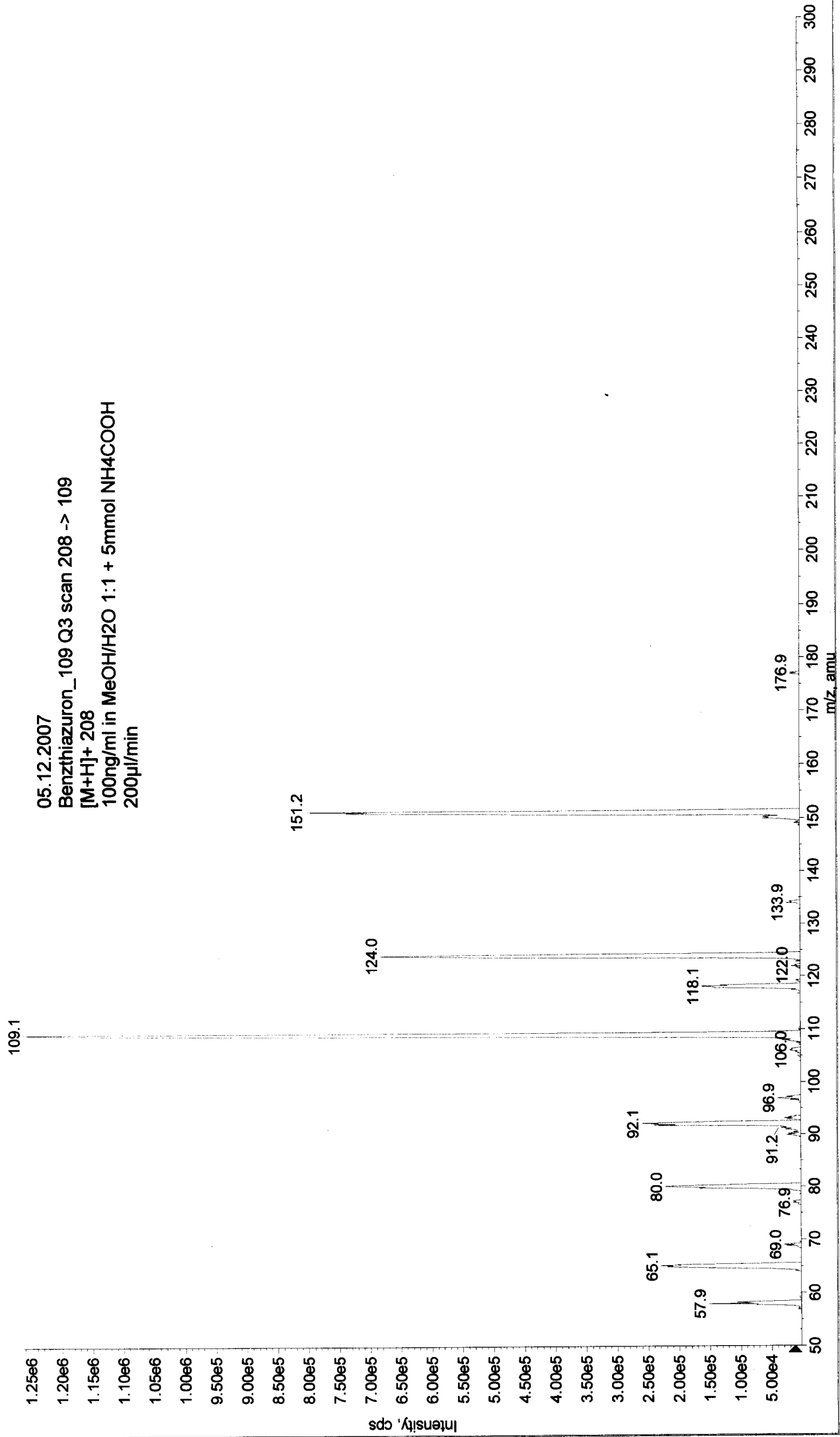


Max. 1.1e8 cps.

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20071205092603.wiff (Turbo Spray)



+MS2 (208.20): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071205092800.wiff (Turbo Spray)



■ +MS2 (210.20): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071205092929.wiff (Turbo Spray)

