

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

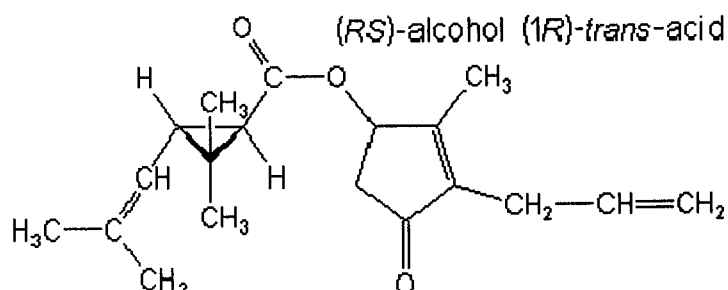
Analyte: Bioallethrin

CAS No.: 584-79-2

Formula: C₁₉H₂₆O₃

Molecular mass (lowest isotopes): 302,19 amu

Structure:



Ionisation: ESI +

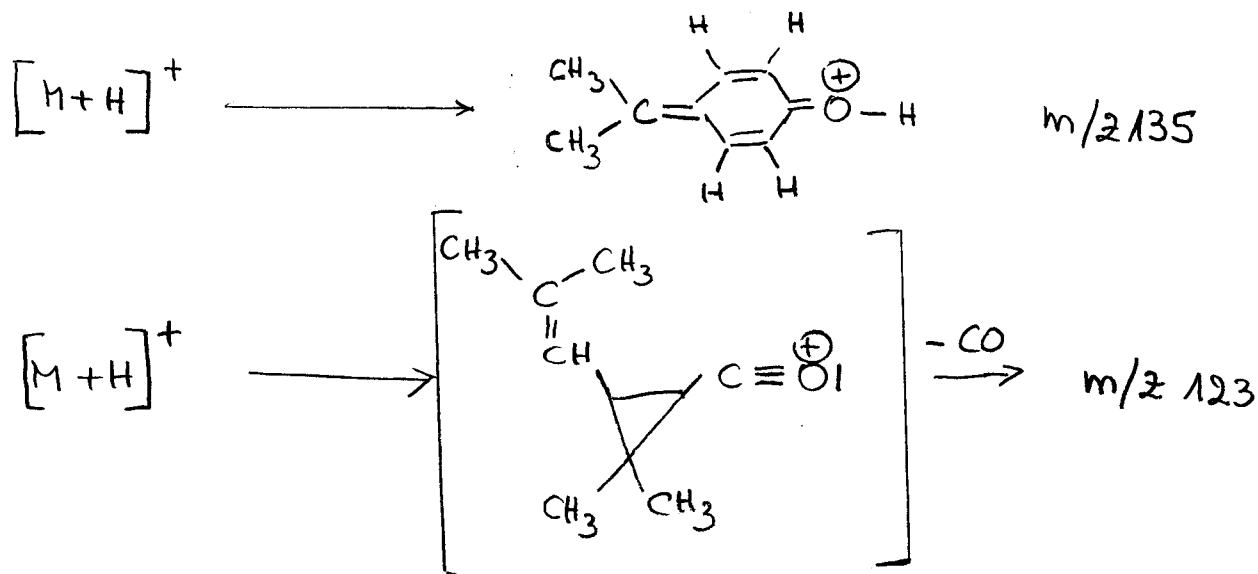
Quasimolecular ion: 303,2 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

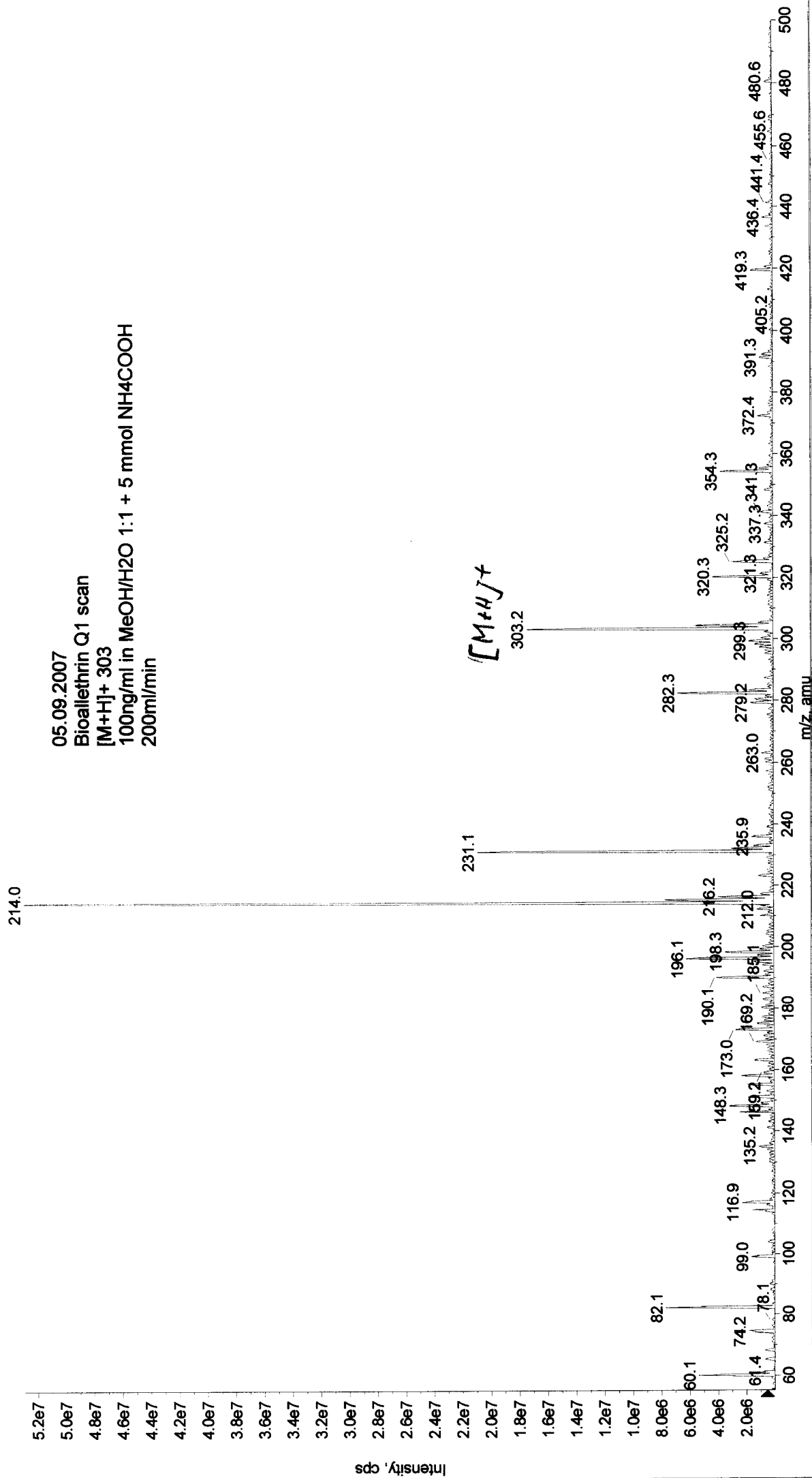
Transition	303,2 → 134,9	303,2 → 123,2
Declustering potential (DP) ^{*)}	3,5 V	3,5 V
Focusing potential (FP)	370 V	350 V
Entrance potential (EP)	12 V	10 V
Collision cell entrance potential (CEP)	22 V	20 V
Collision energy (CE)	17 V	21 V
Collision cell exit potential (CXP)	8 V	6 V

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

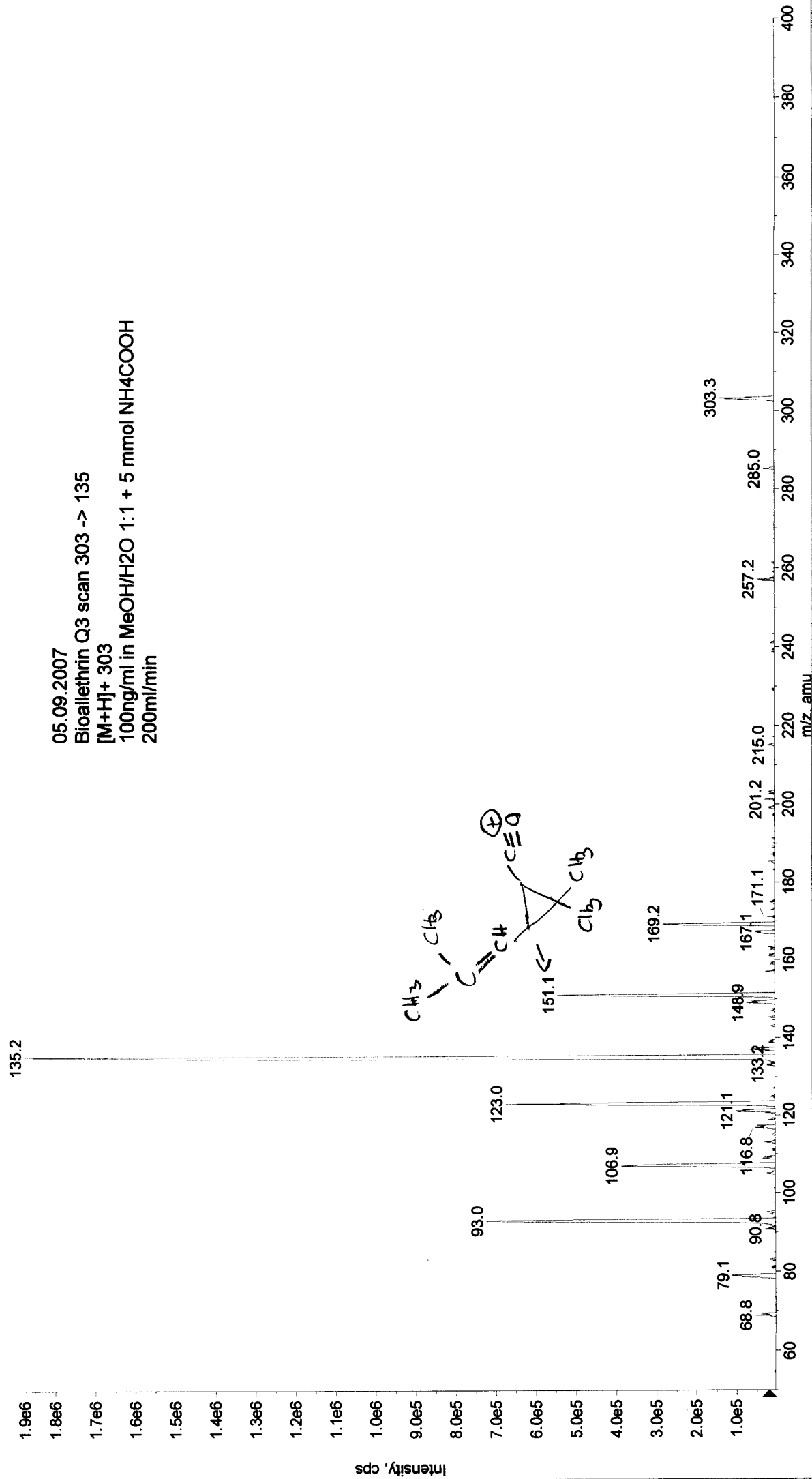
Fragmentation



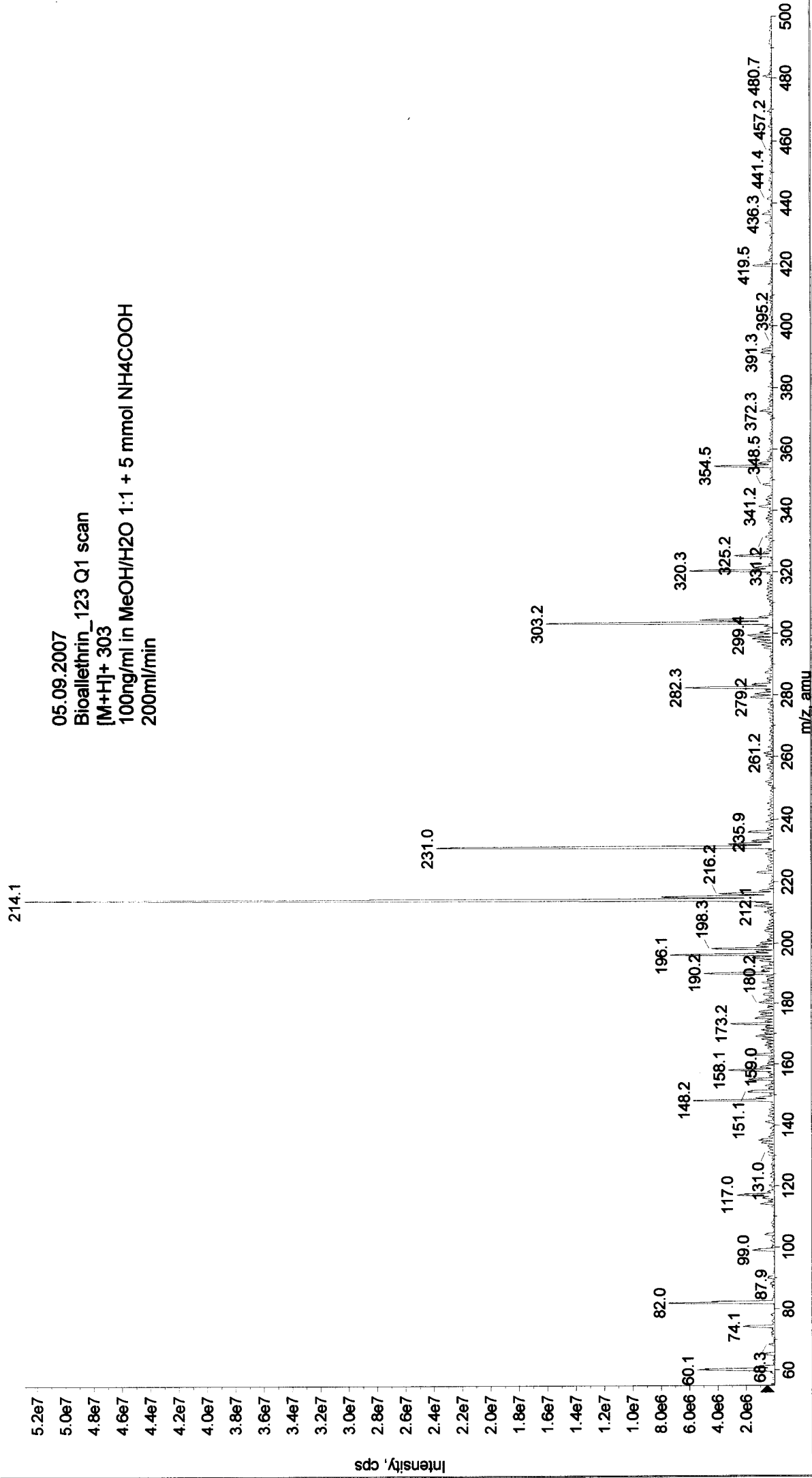
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20070905134624.wiff (Turbo Spray)



+MS2 (303.20): 30 MCA scans from Sample 1 (TuneSampleID) of MT20070905135203.wiff (Turbo Spray)



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20070905140036.wiff (Turbo Spray)



■ +MS2 (303.20): 30 MCA scans from Sample 1 (TuneSampleID) of MT20070905140239.wiff (Turbo Spray)

