

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

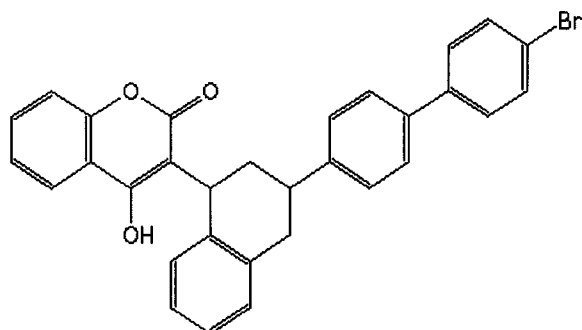
Analyte: Brodifacoum

CAS No.: 56073-10-0

Formula: C₃₁H₂₃BrO₃

Molecular mass (lowest isotopes): 522,08 amu

Structure:



Ionisation: ESI -

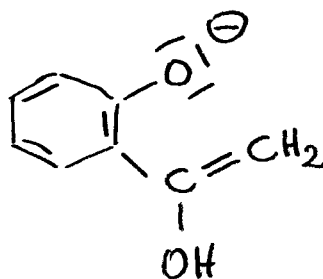
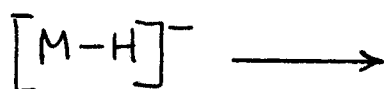
Quasimolecular ion: 521,1 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

Transition	521,1 → 78,9	521,1 → 135,1
Declustering potential (DP) ^{*)}	-144V	-144 V
Focusing potential (FP)	-350 V	-350 V
Entrance potential (EP)	-10,5 V	-10,5 V
Collision cell entrance potential (CEP)	-22 V	-22 V
Collision energy (CE)	-64 V	-46 V
Collision cell exit potential (CXP)	-14 V	-10 V

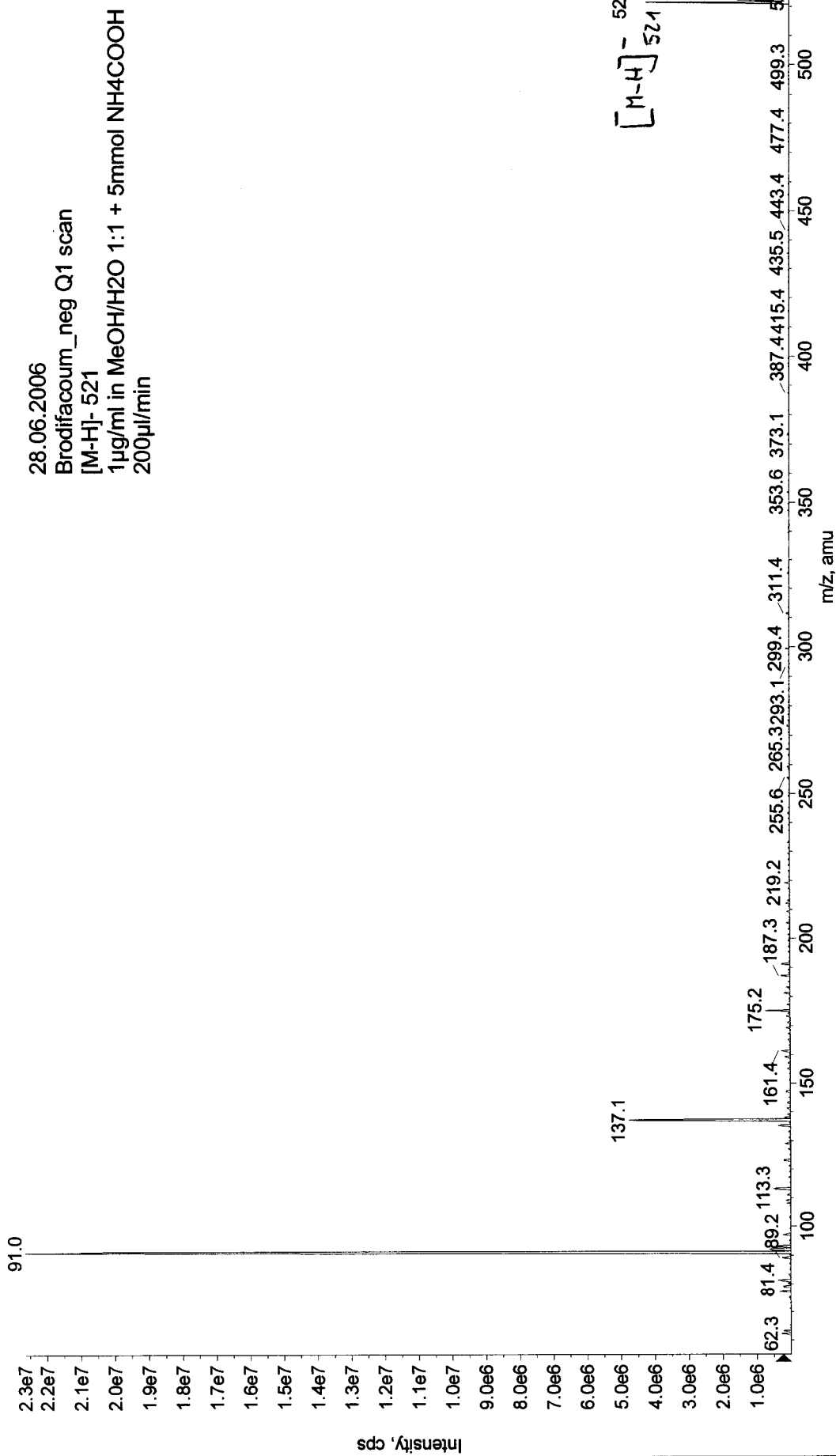
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

 m/z 79/81 m/z 135

■ -Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060628105922.wiff (Turbo Spray)

Max. 2.3e7 cps



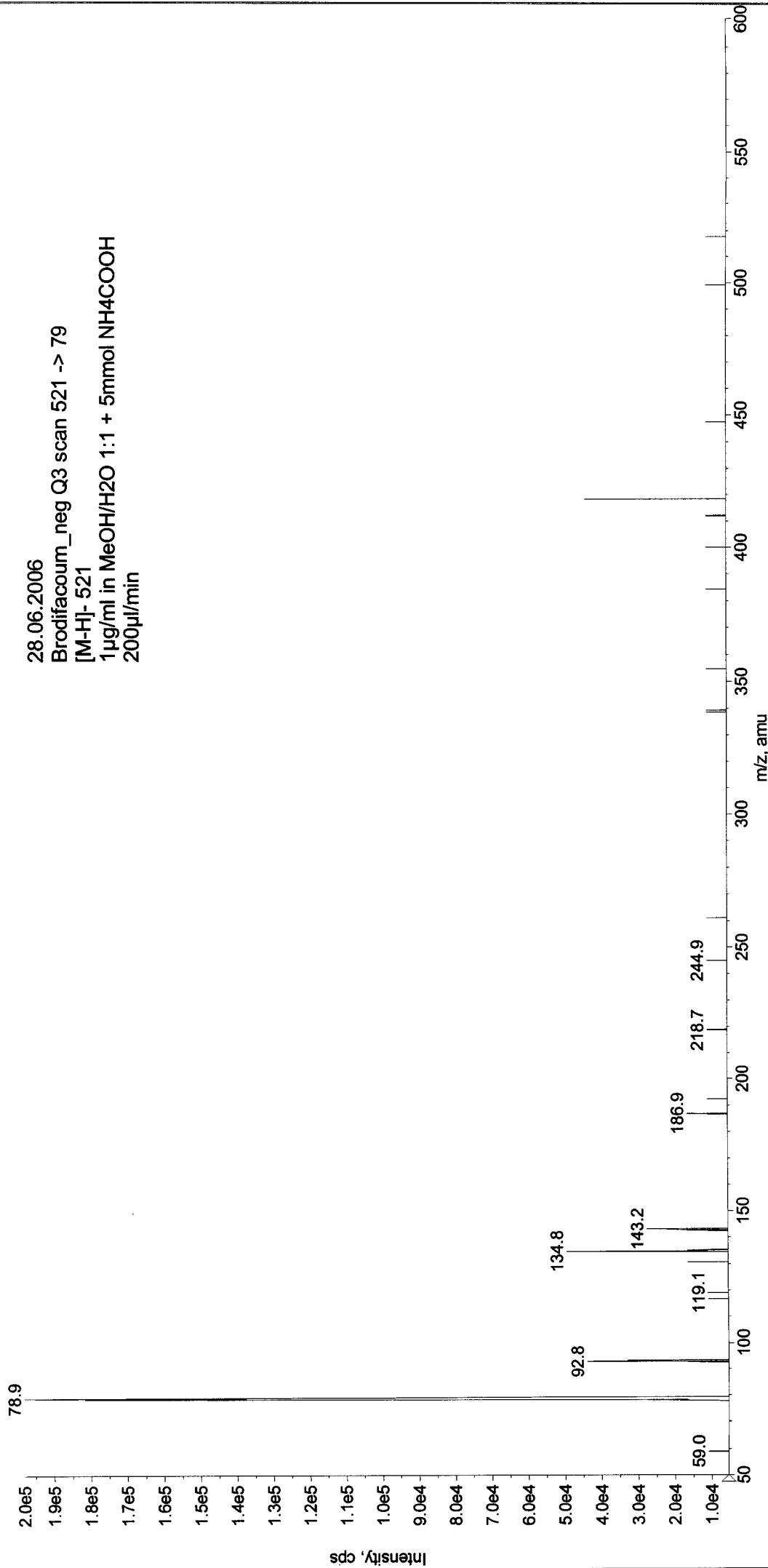
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Printing Date: Wednesday, June 28, 2006

Acq. Time: 11:06
Acq. Date: Wednesday, June 28, 2006
Acq. File: MT20060628110559.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

■ -MS2 (521.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20060628110559.wiff (Turbo Spray)

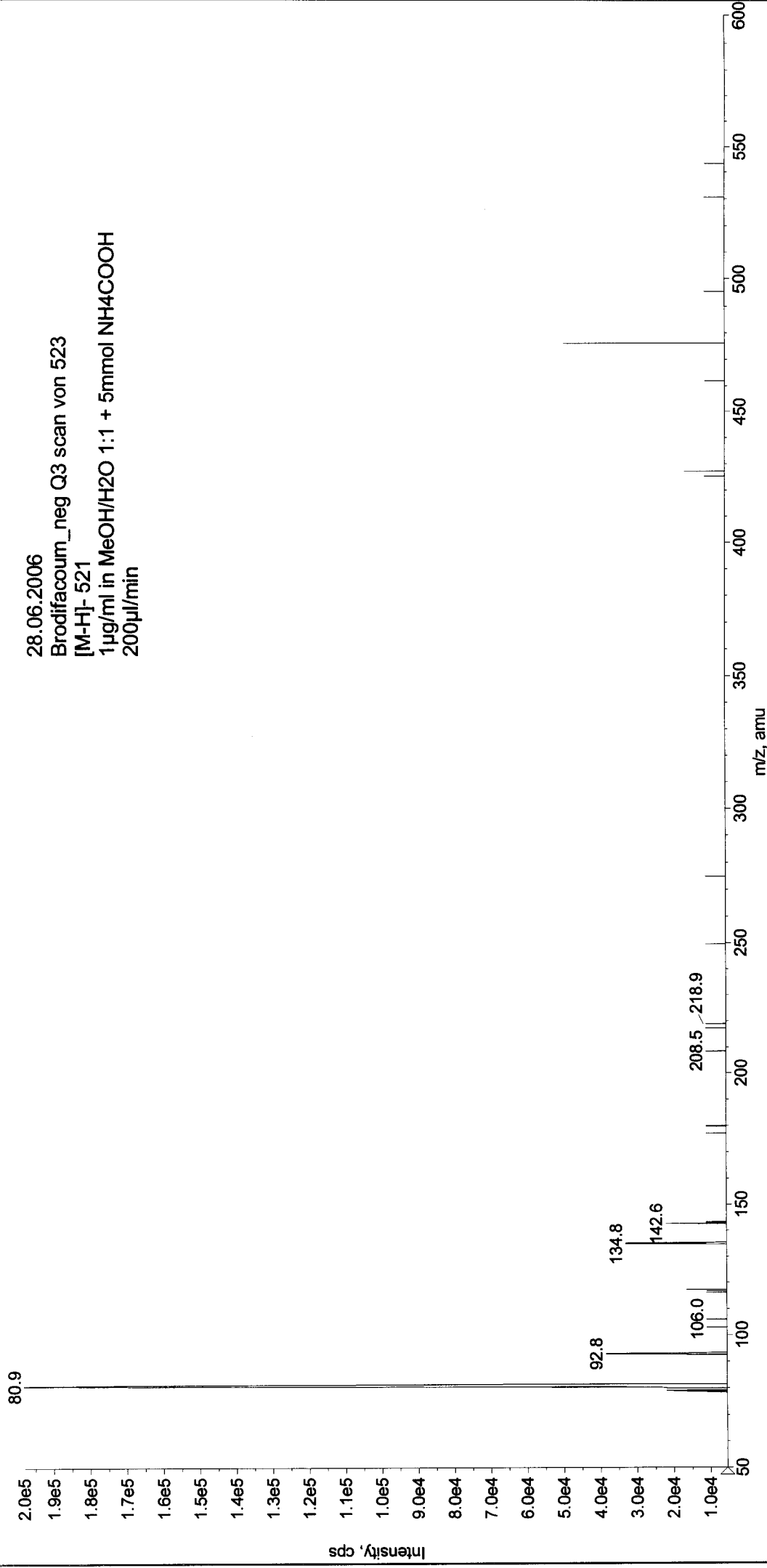
Max. 2.0e5 cps



■ -MS2 (523.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20060628110747.wiff (Turbo Spray)

Max. 2.0e5 cps

28.06.2006
Brodifacoum_neg Q3 scan von 523
[M-H]⁻ 521
1 µg/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200 µl/min



Printing Time: 11:20:36
Printing Date: Wednesday, June 28, 2006

Acq. Time: 11:17
Acq. Date: Wednesday, June 28, 2006
Acq. File: MT20060628111757.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

