

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

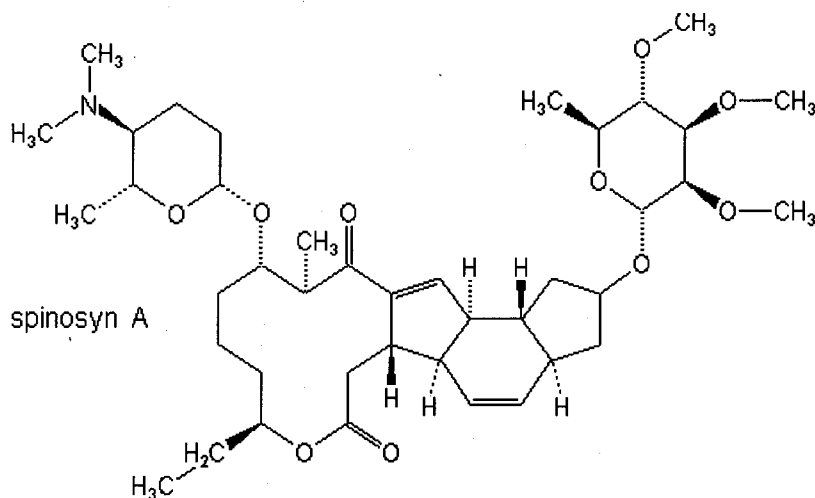
Analyte: Spinosyn A

CAS No.: 131929-60-7

Formula: C₄₁H₆₅NO₁₀

Molecular mass (lowest isotopes): 731,46 amu

Structure:



Ionisation: ESI +

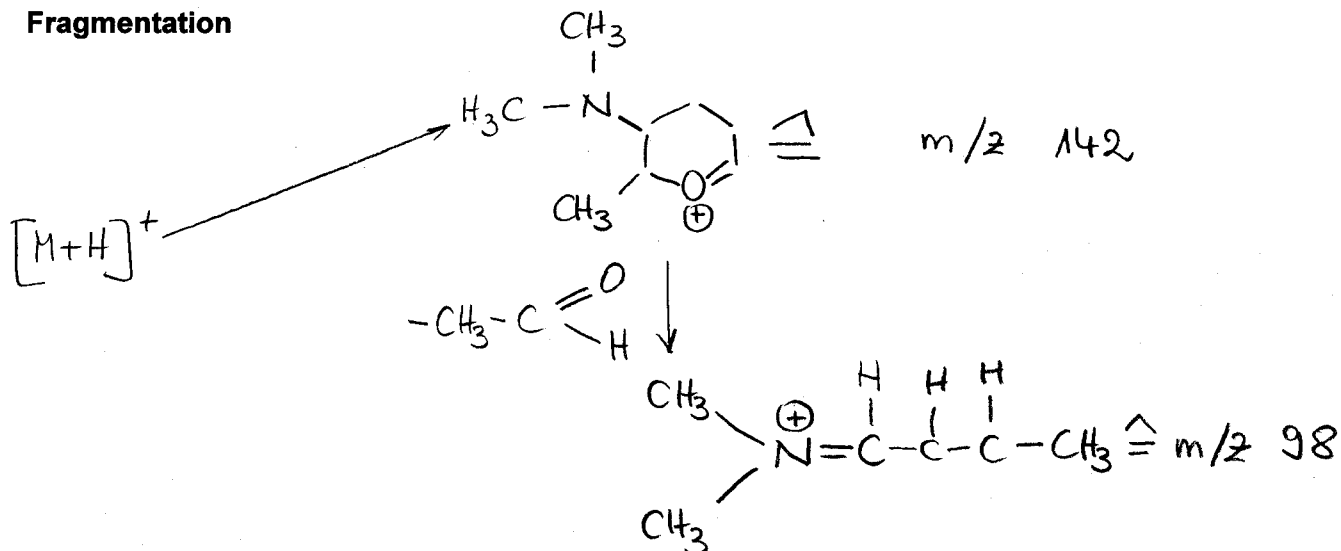
Quasimolecular ion: 732,5 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	732,5 → 142,1	732,5 → 98,3
Declustering potential (DP) ^{*)}	49V	49 V
Focusing potential (FP)	310 V	360 V
Entrance potential (EP)	11,0 V	12,0 V
Collision cell entrance potential (CEP)	30 V	30 V
Collision energy (CE)	37 V	75 V
Collision cell exit potential (CXP)	8 V	4 V

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

Fragmentation



Printing Time: 11:18:15
Printing Date: Thursday, August 26, 2004

Acq. Time: 11:14
Acq. Date: Thursday, August 26, 2004
Acq. File: MT20040826111410.wiff

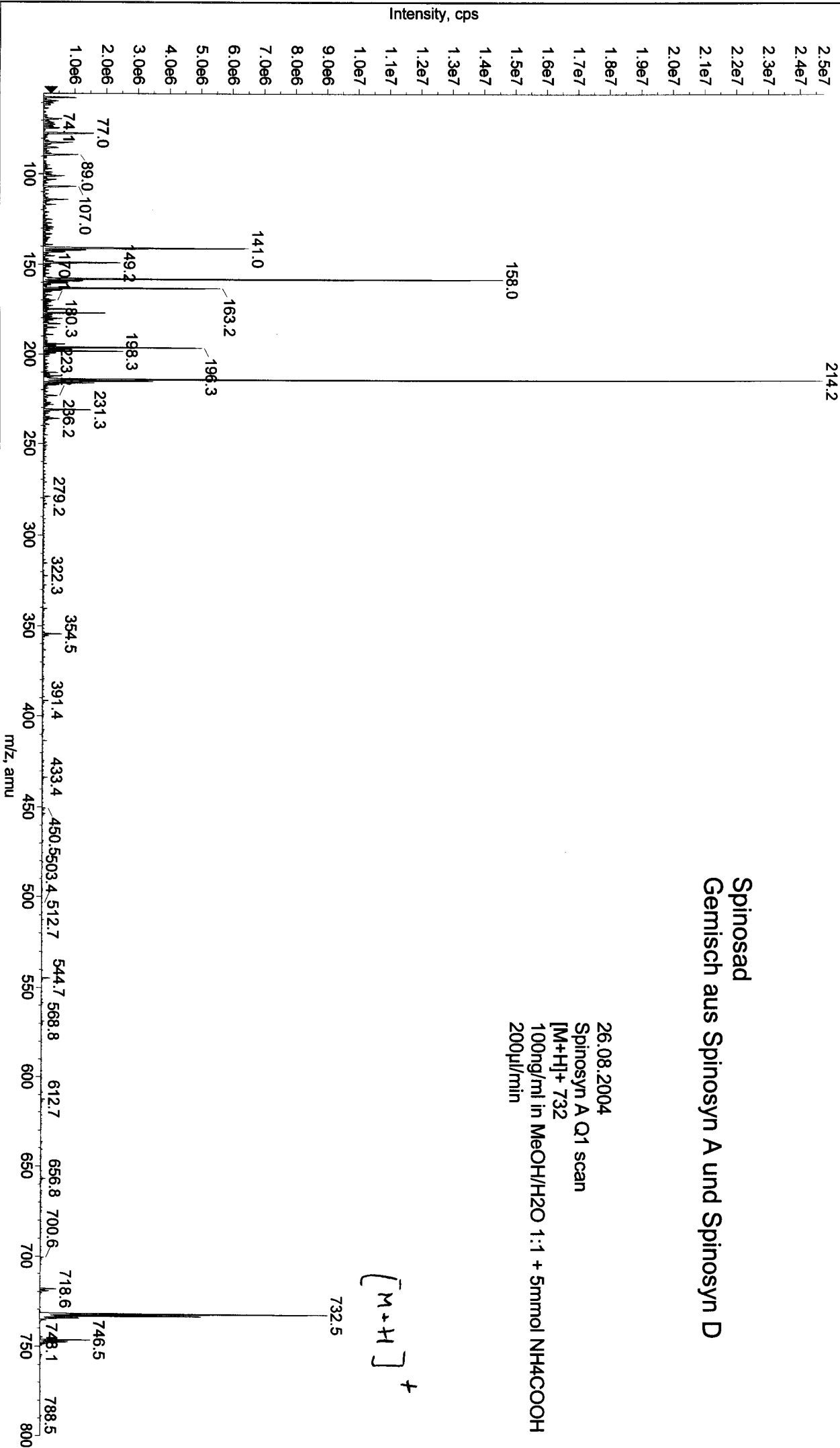
Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826111410.wiff (Turbo Spray)

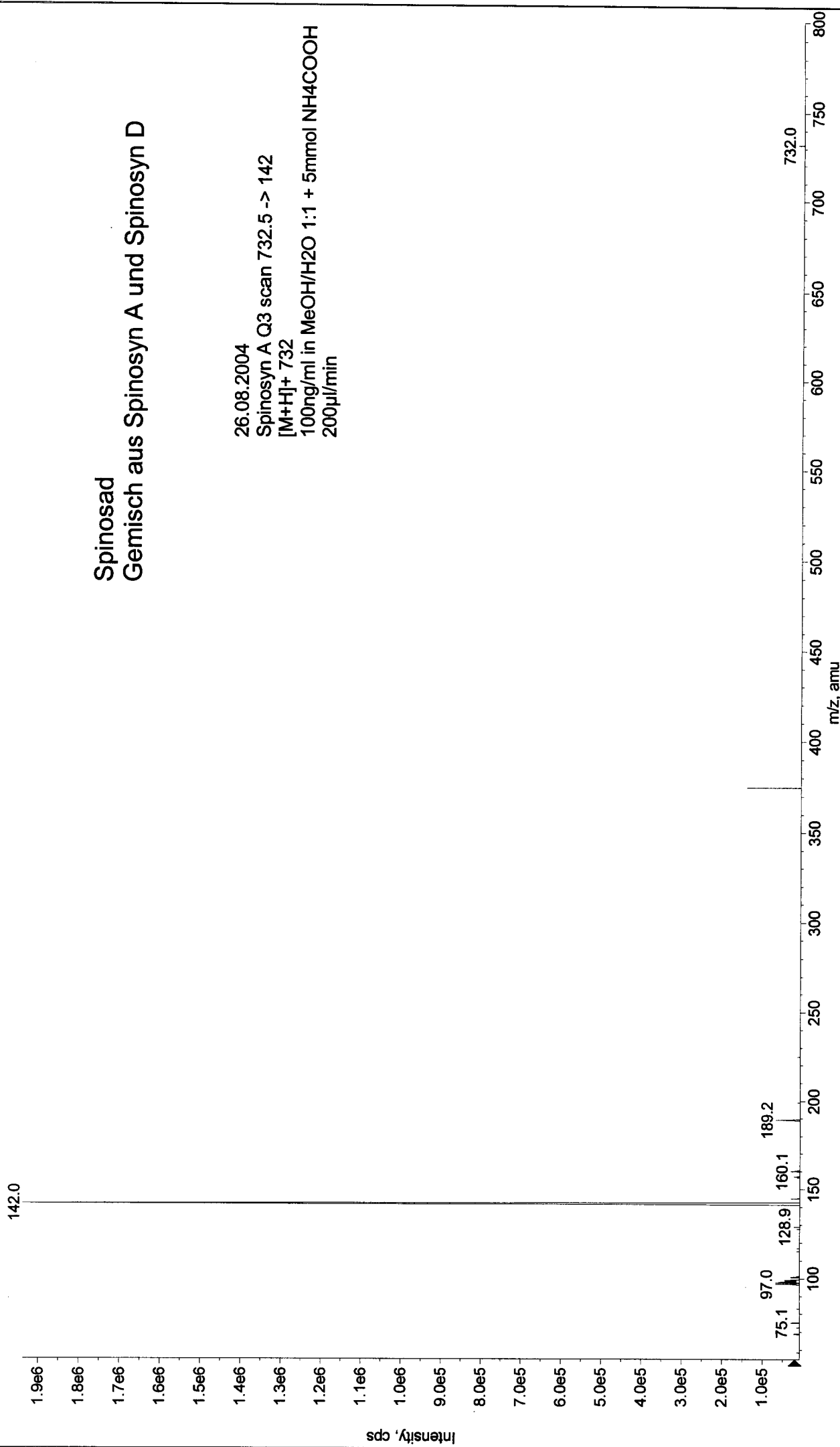
Max: 2.5e7 cps

Spinosad Gemisch aus Spinosyn A und Spinosyn D

26.08.2004
Spinosyn A Q1 scan
[M+H]⁺ 732
100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH
200µl/min



+MS2 (732.50): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826112144.wiff (Turbo Spray) Max. 1.9e6 cps



Max. 6.2e5 cps

+MS2 (732.50): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826113110.wiff (Turbo Spray)

