

MS/MS Parameters of Pesticides

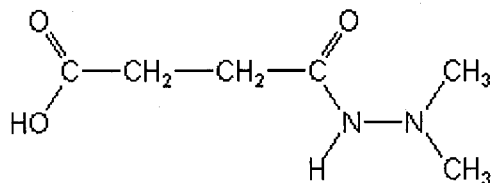
Analyte: Daminozid

CAS No.: 1596-84-5

Formula: C₆H₁₂N₂O₃

Molecular mass (lowest isotopes): 160,09 amu

Structure:



Ionisation: ESI +

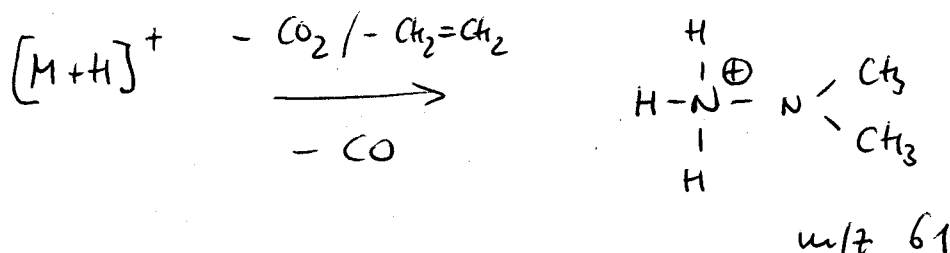
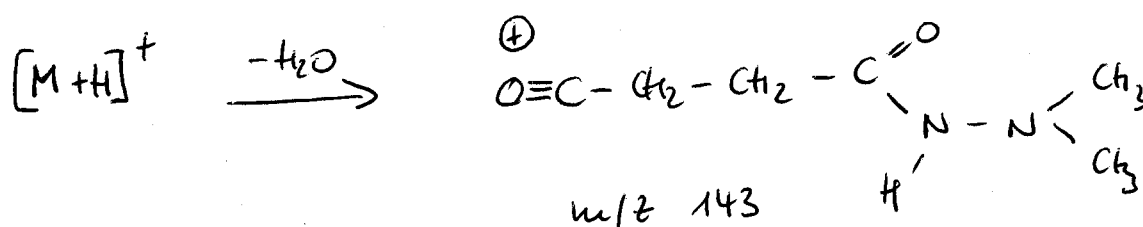
Quasimolecular ion: 161,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	161,1 → 142,9	161,1 → 61,0
Declustering potential (DP) ^{*)}	46 V	46 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	15 V	19 V
Collision cell exit potential (CXP)	8 V	8 V

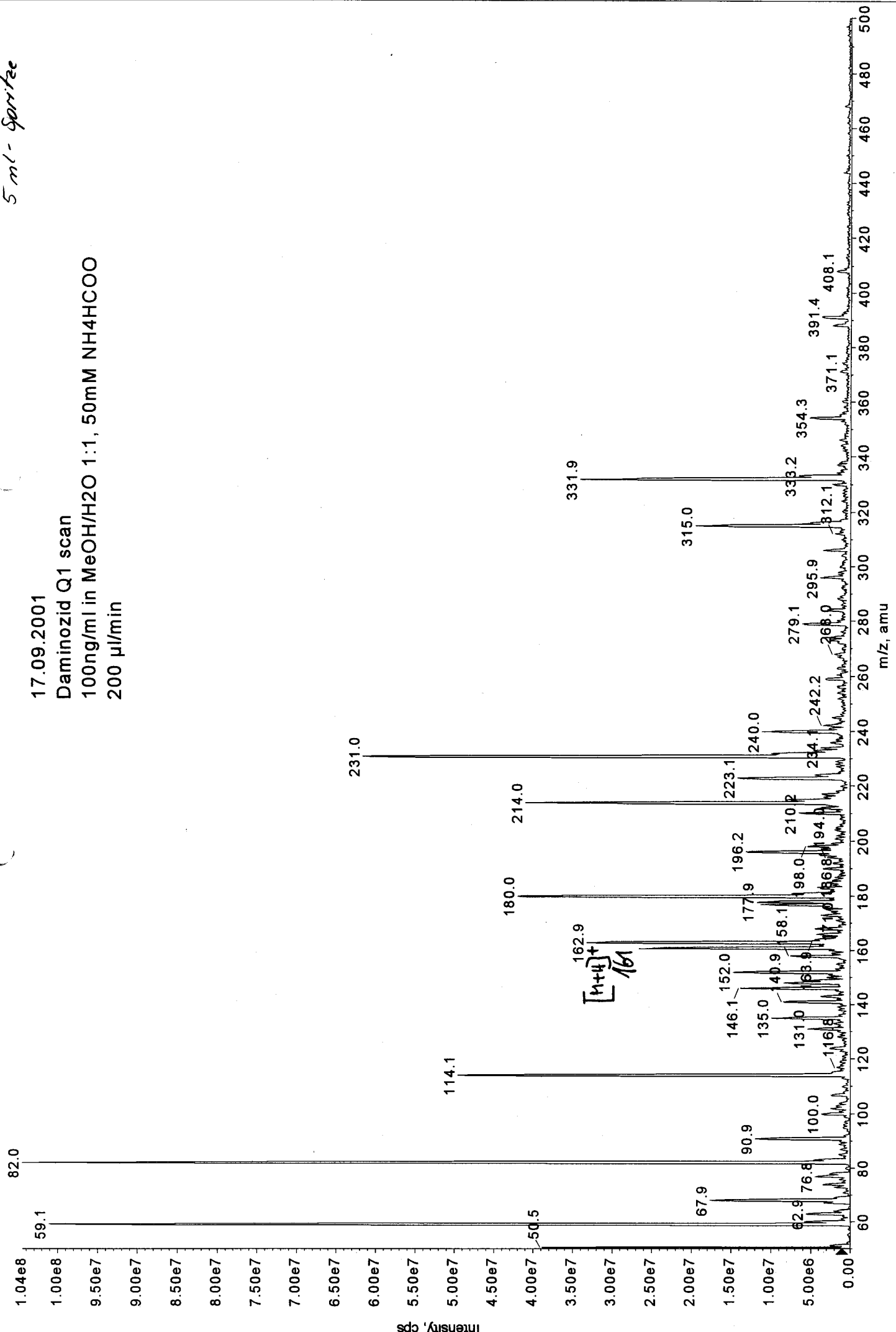
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

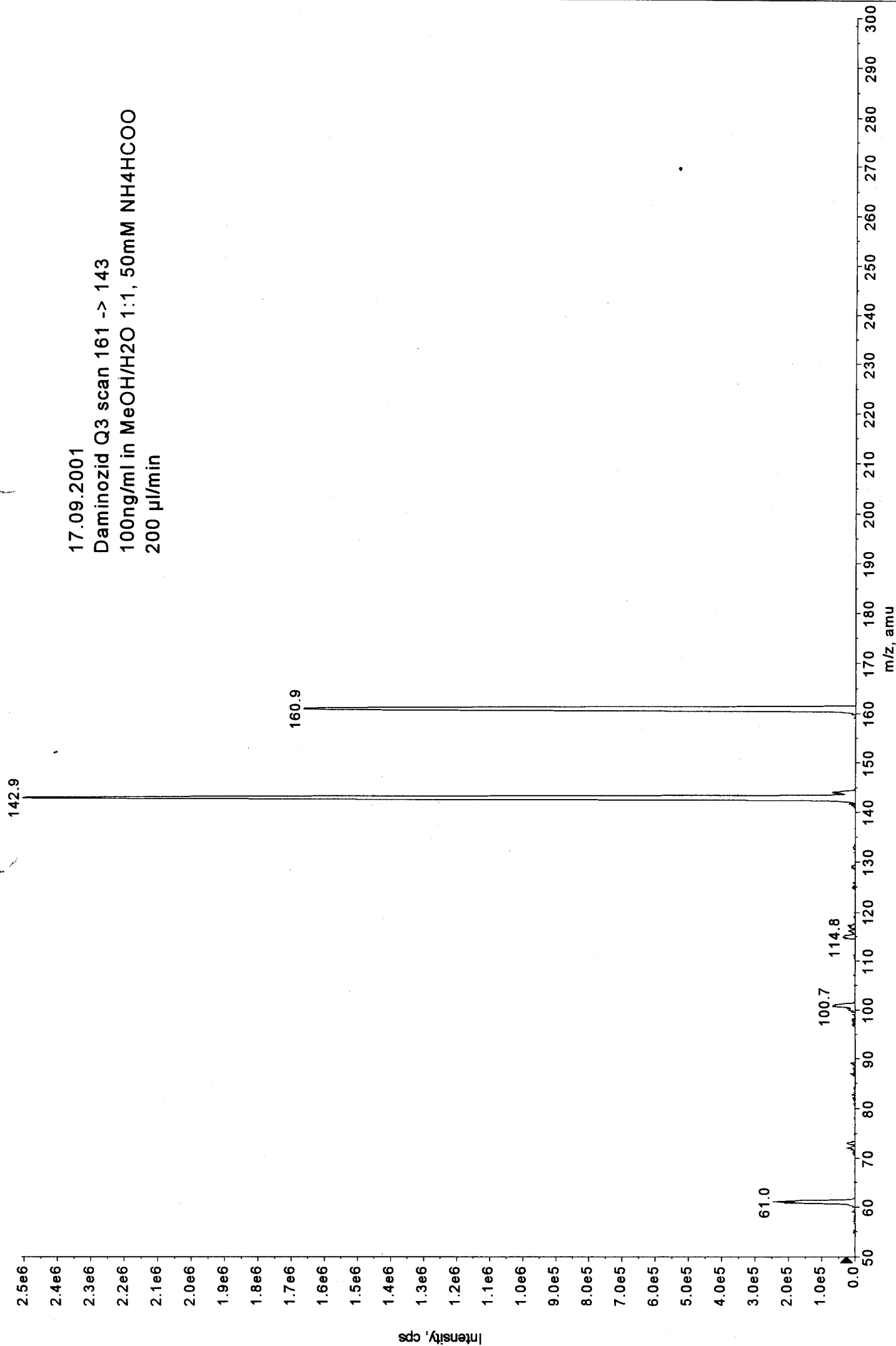


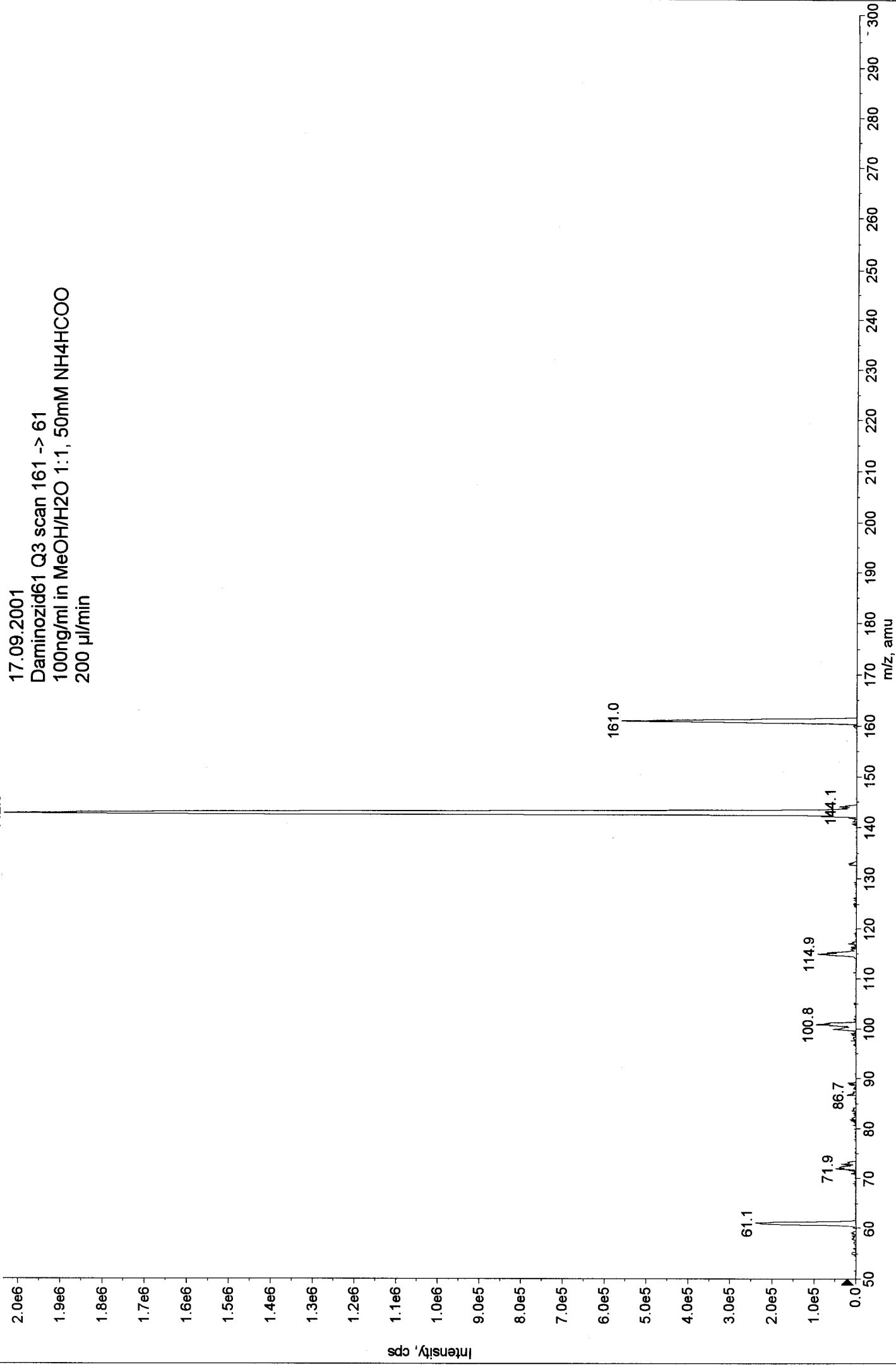
5 ml - Spritzee

17.09.2001
Daminozid Q1 scan
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min



17.09.2001
Daminozid Q3 scan 161 -> 143
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min





17.09.2001
Daminozid61 Q3 scan 161 -> 61
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min