

**BfR**

Risiken erkennen – Gesundheit schützen

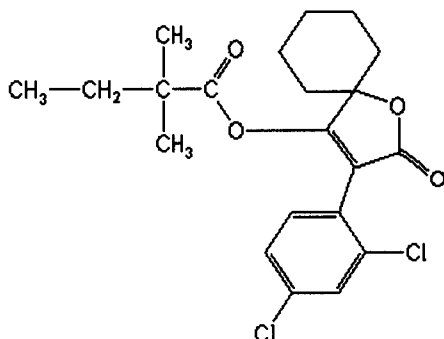
**MS/MS Parameters of Pesticides****Analyte: Spirodiclofen**

CAS No.: 148477-71-8

Formula: C<sub>21</sub>H<sub>24</sub>Cl<sub>2</sub>O<sub>4</sub>

Molecular mass (lowest isotopes): 410,11 amu

Structure:



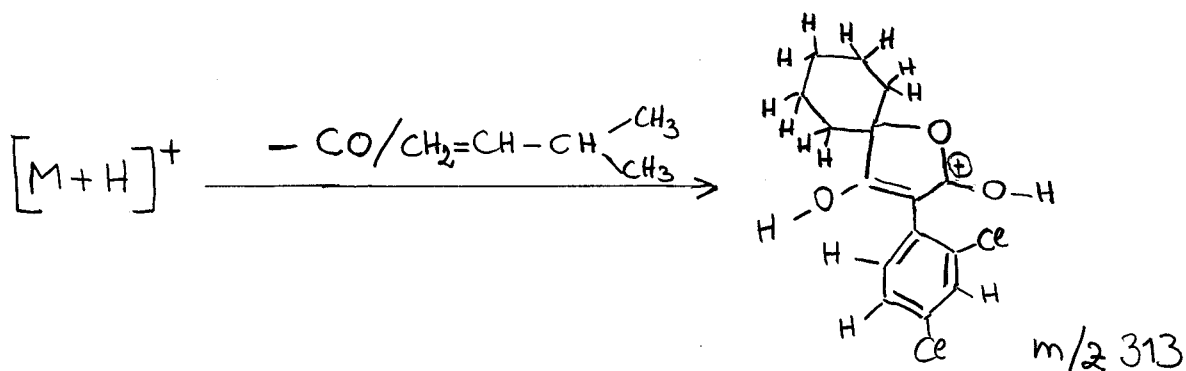
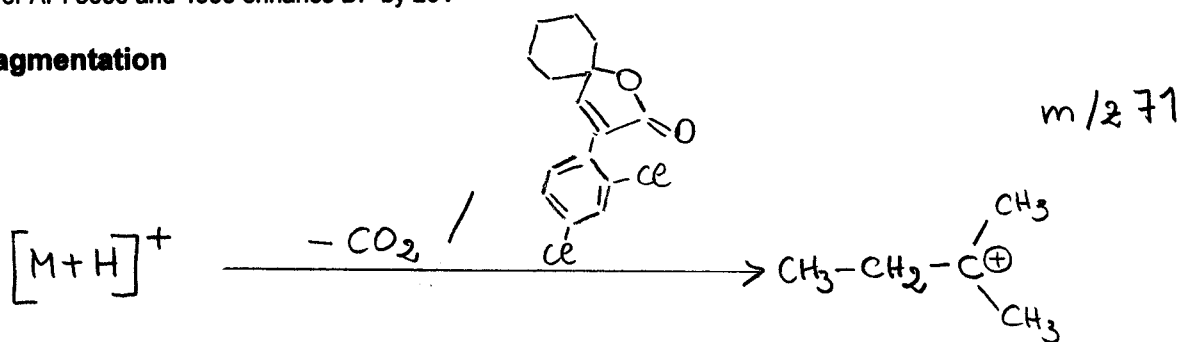
Ionisation: ESI +

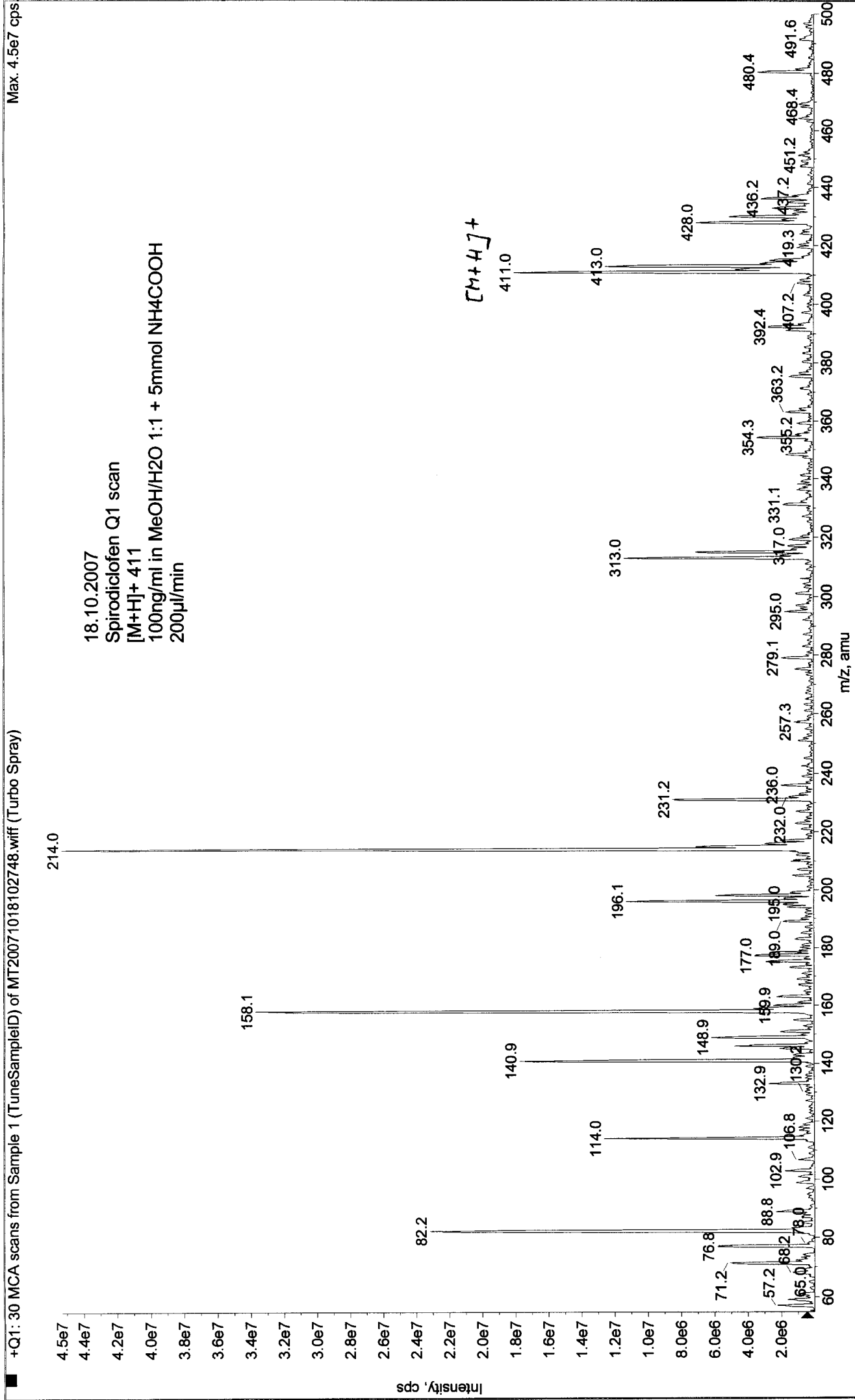
Quasimolecular ion: 411,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	411,1 → 312,9	411,1 → 71,1
Declustering potential (DP) <sup>*)</sup>	48,5 V	48,5 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	12 V	11,5 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	19 V	27 V
Collision cell exit potential (CXP)	18 V	4 V

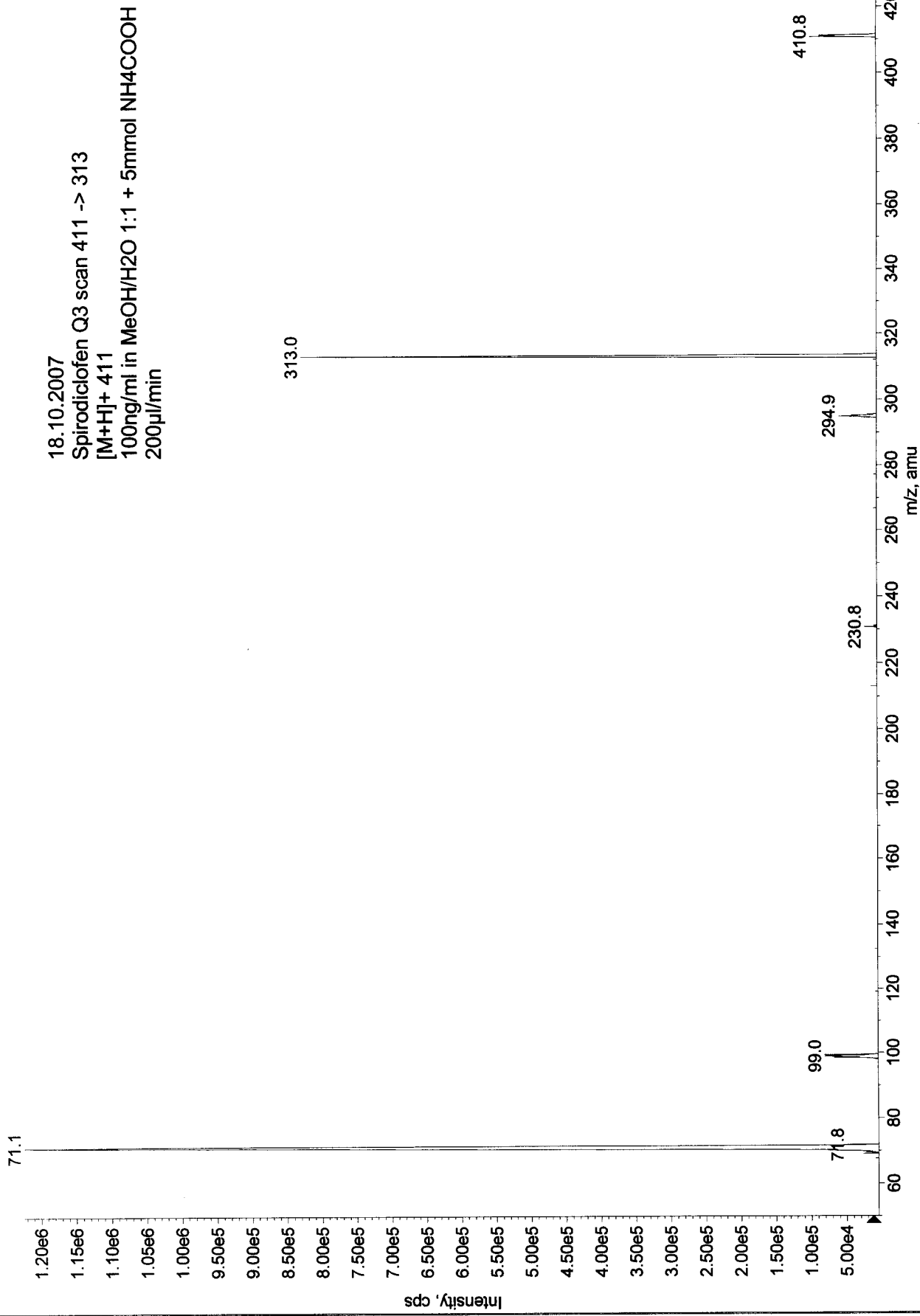
\*) For API 3000 and 4000 enhance DP by 20V

**Fragmentation**

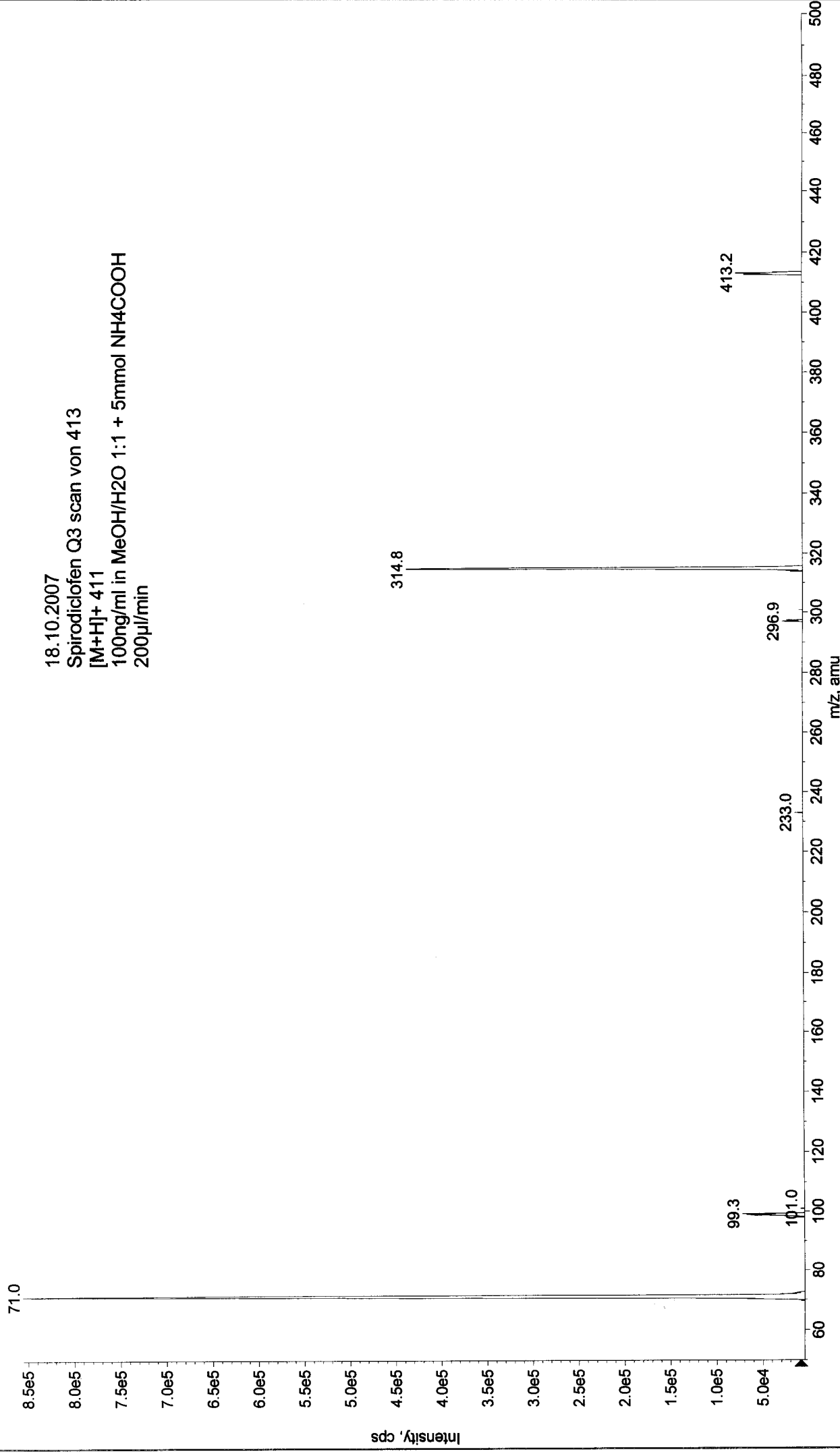


+MS2 (411.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071018103119.wiff (Turbo Spray)

Max. 1.2e6 cps

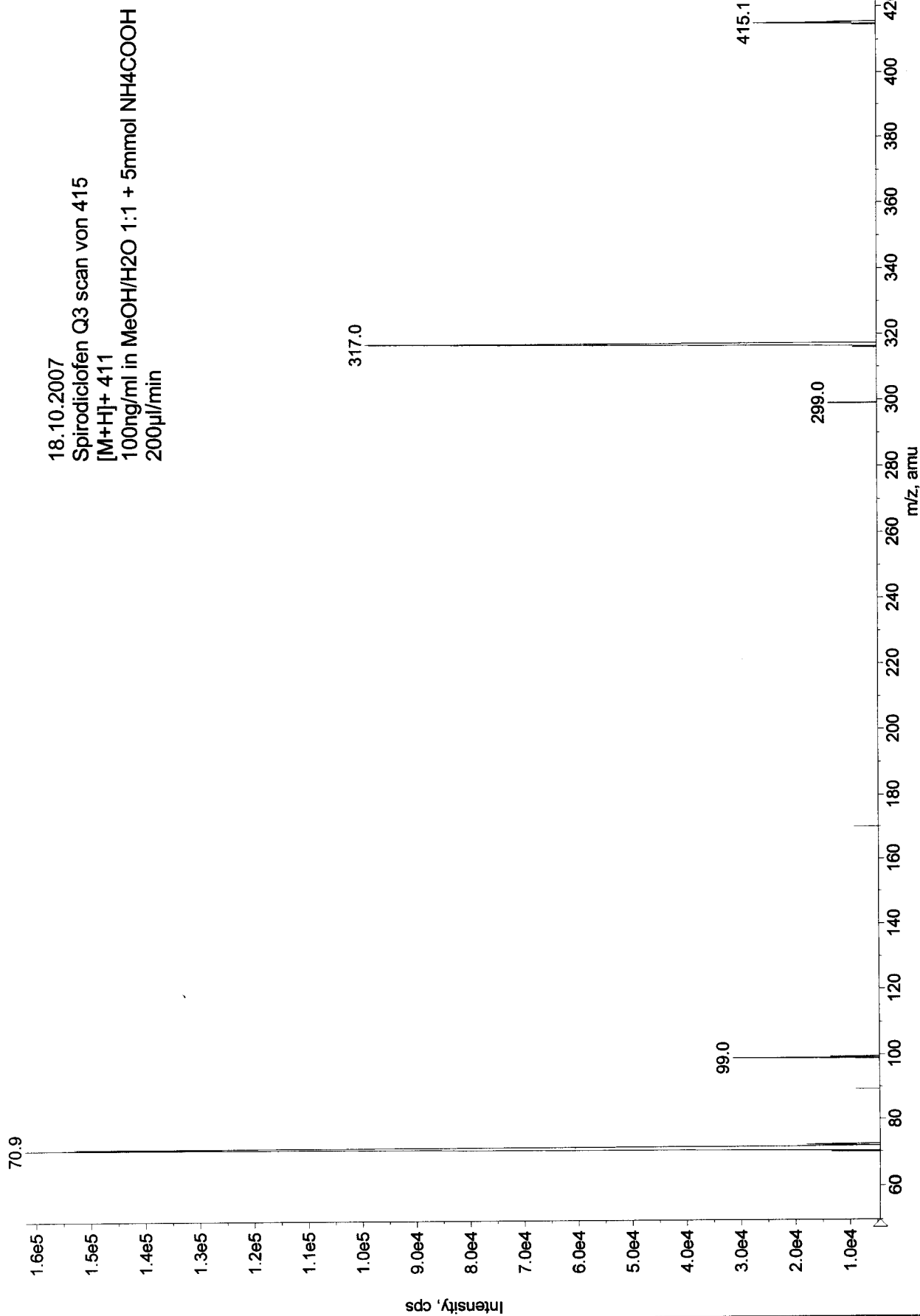


+MS2 (413.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071018103336.wiff (Turbo Spray) Max. 8.6e5 cps



Max. 1.6e5 cps

+MS2 (415.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071018103527.wiff (Turbo Spray)



Max. 3.8e6 cps

+MS2 (411.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071018110514.wiff (Turbo Spray)

