

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

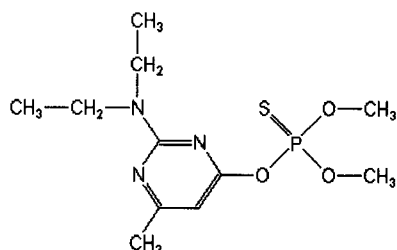
Analyte: Pirimiphos-methyl

CAS No.: 29232-93-7

Formula: C₁₁H₂₀N₃O₃PS

Molecular mass (lowest isotopes): 305,10 amu

Structure:



Ionisation: ESI +

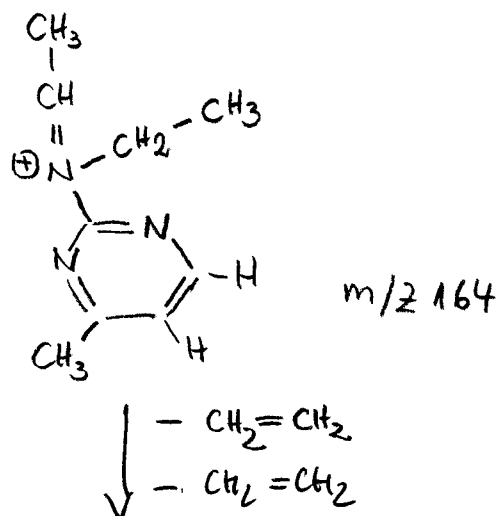
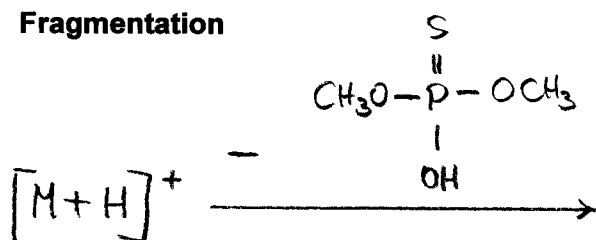
Quasimolecular ion: 306,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

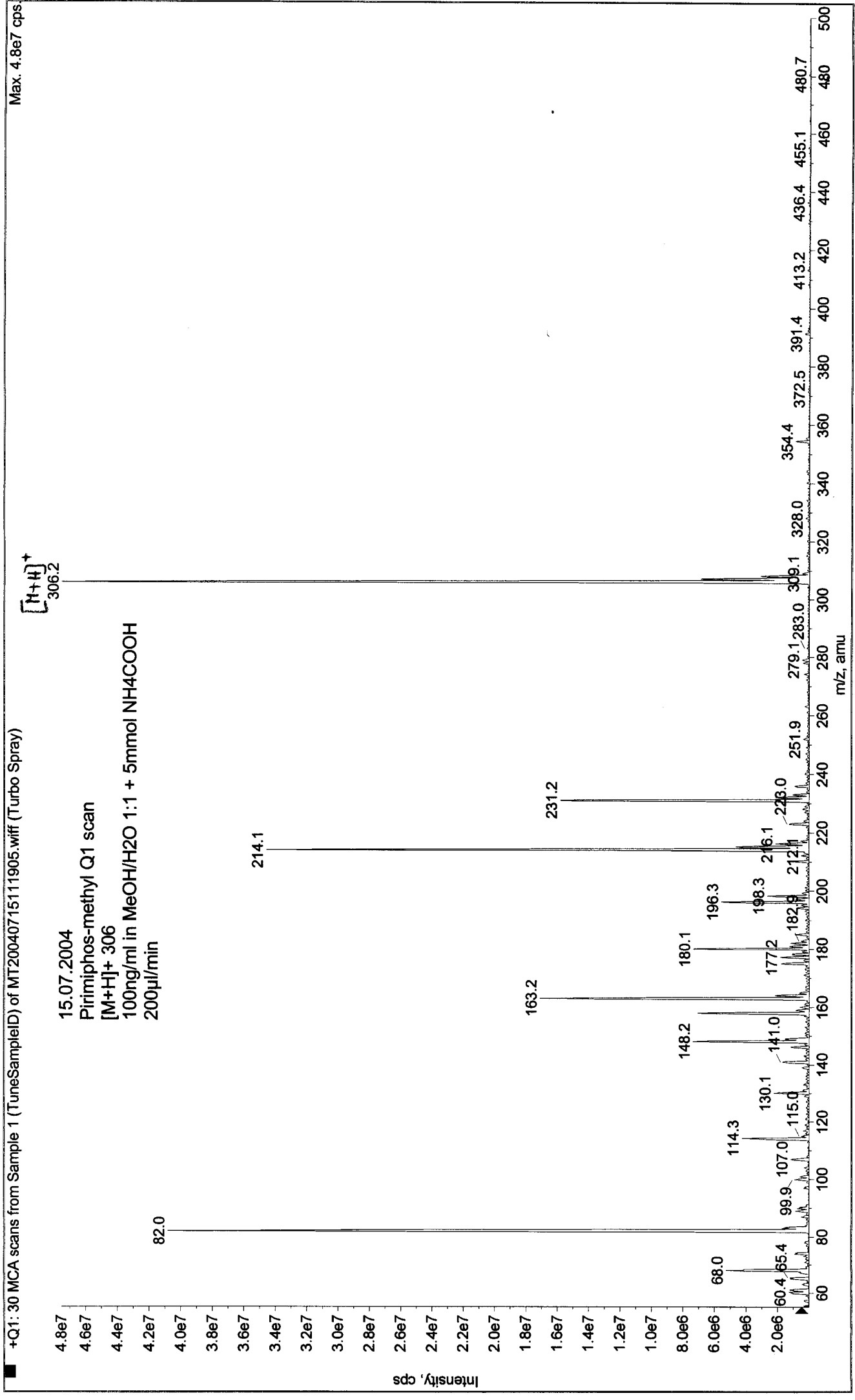
Transition	306,1 → 164,1	306,1 → 108,1
Declustering potential (DP)*)	24 V	24 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	11,5 V	12,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	29 V	39 V
Collision cell exit potential (CXP)	8 V	6 V

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

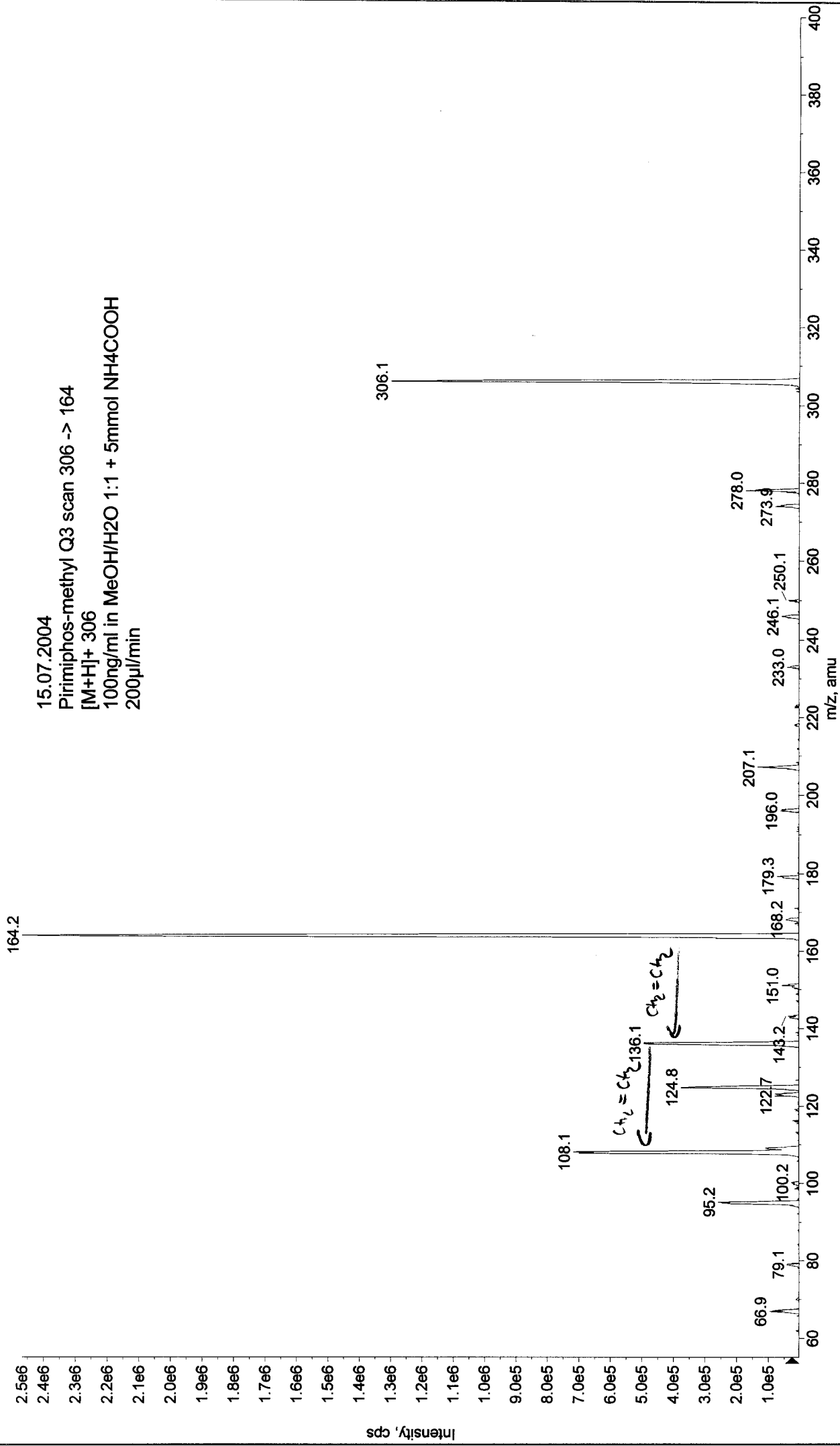
Fragmentation



m/z 108

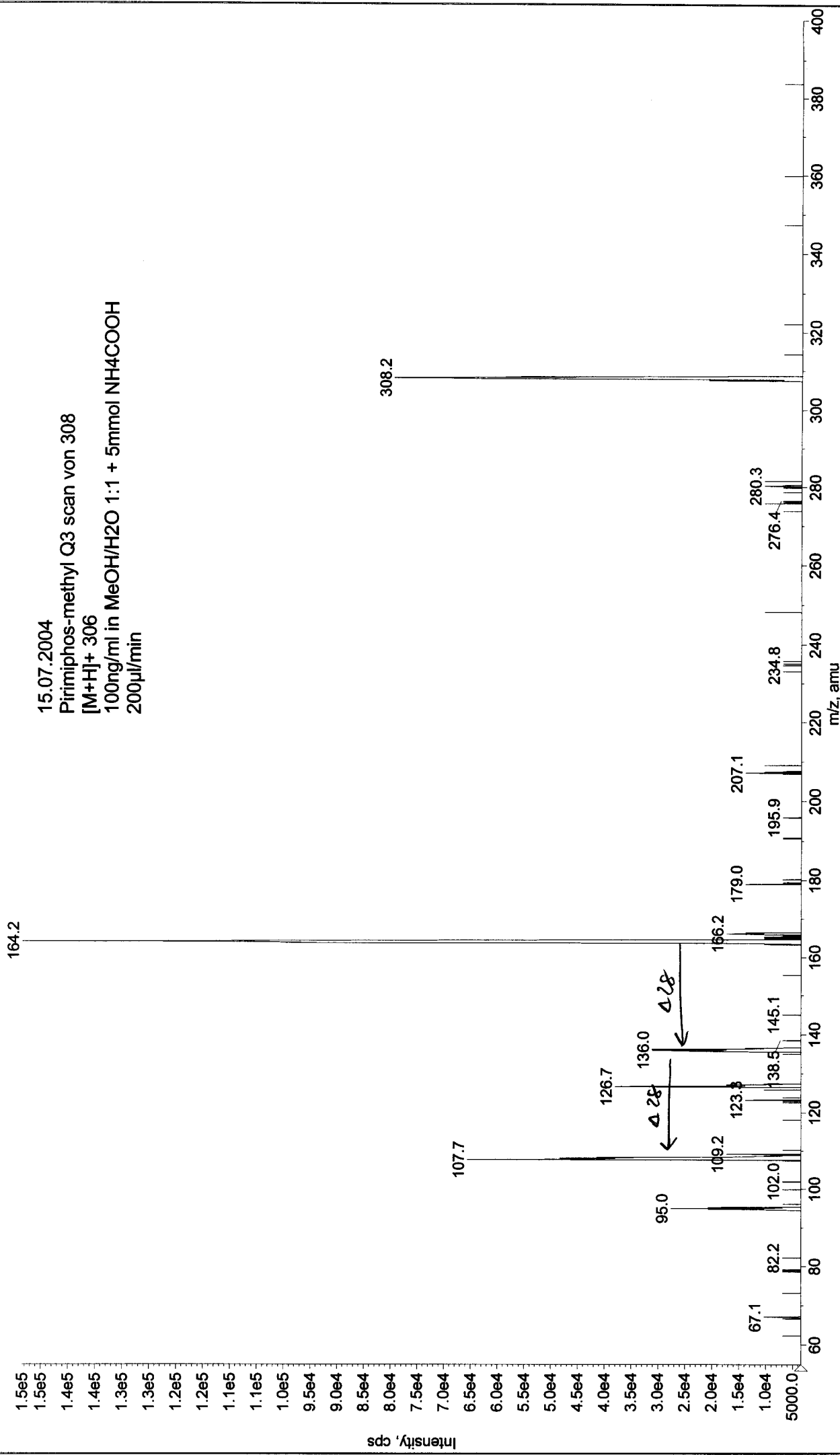


+MS2 (306.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040715112229.wiff (Turbo Spray) Max. 2.5e6 cps



Max. 1.5e5 cps

+MS2 (308.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040715112401.wiff (Turbo Spray)



+MS2 (306.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040715113125.wiff (Turbo Spray) Max. 2.8e6 cps

