

## MS/MS Parameters of Pesticides

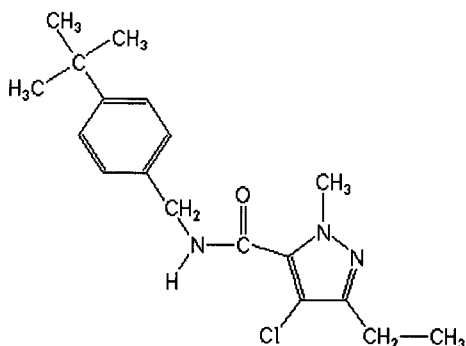
### Analyte: Tebufenpyrad

CAS No.: 119168-77-3

Formula: C<sub>18</sub>H<sub>24</sub>ClN<sub>3</sub>O

Molecular mass (lowest isotopes): 333,16 amu

Structure:



Ionisation: ESI +

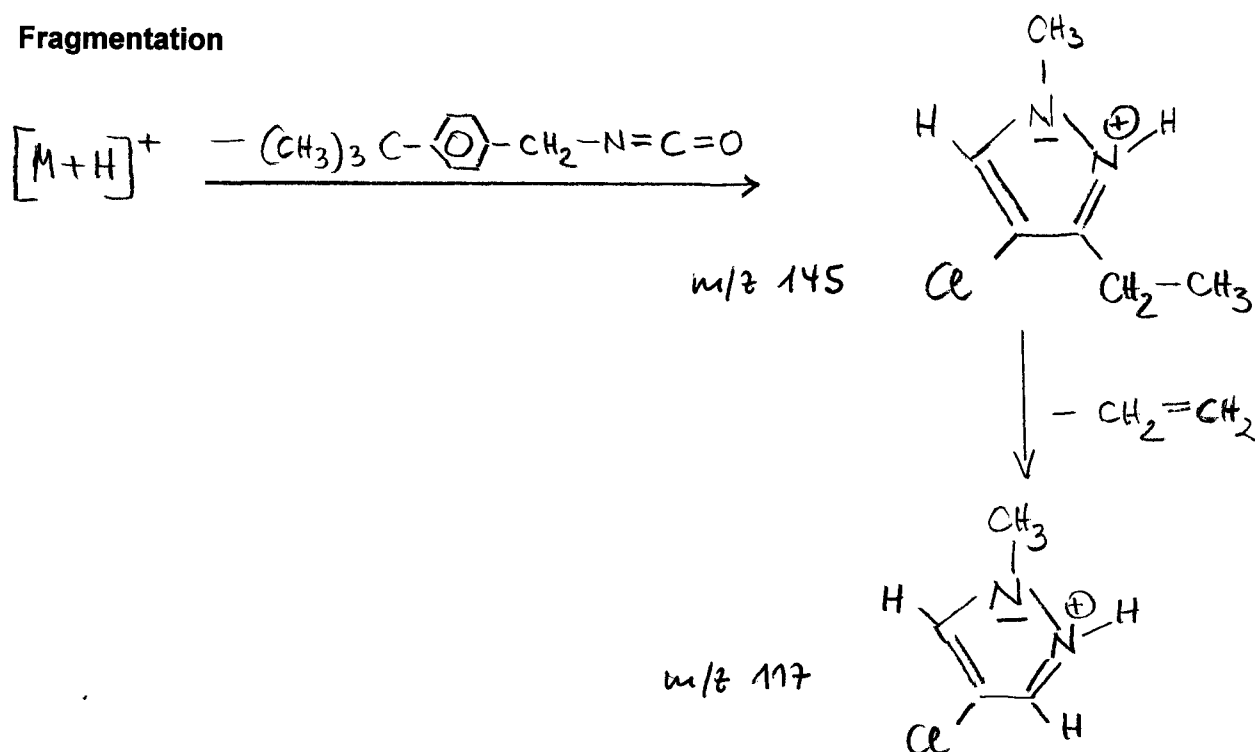
Quasimolecular ion: 334,2 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	334,2 → 117,0	334,2 → 145,0
Declustering potential (DP) <sup>*)</sup>	51 V	51 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	10,5 V	12,0 V
Collision cell entrance potential (CEP)	22 V	18 V
Collision energy (CE)	47 V	37 V
Collision cell exit potential (CXP)	6 V	8 V

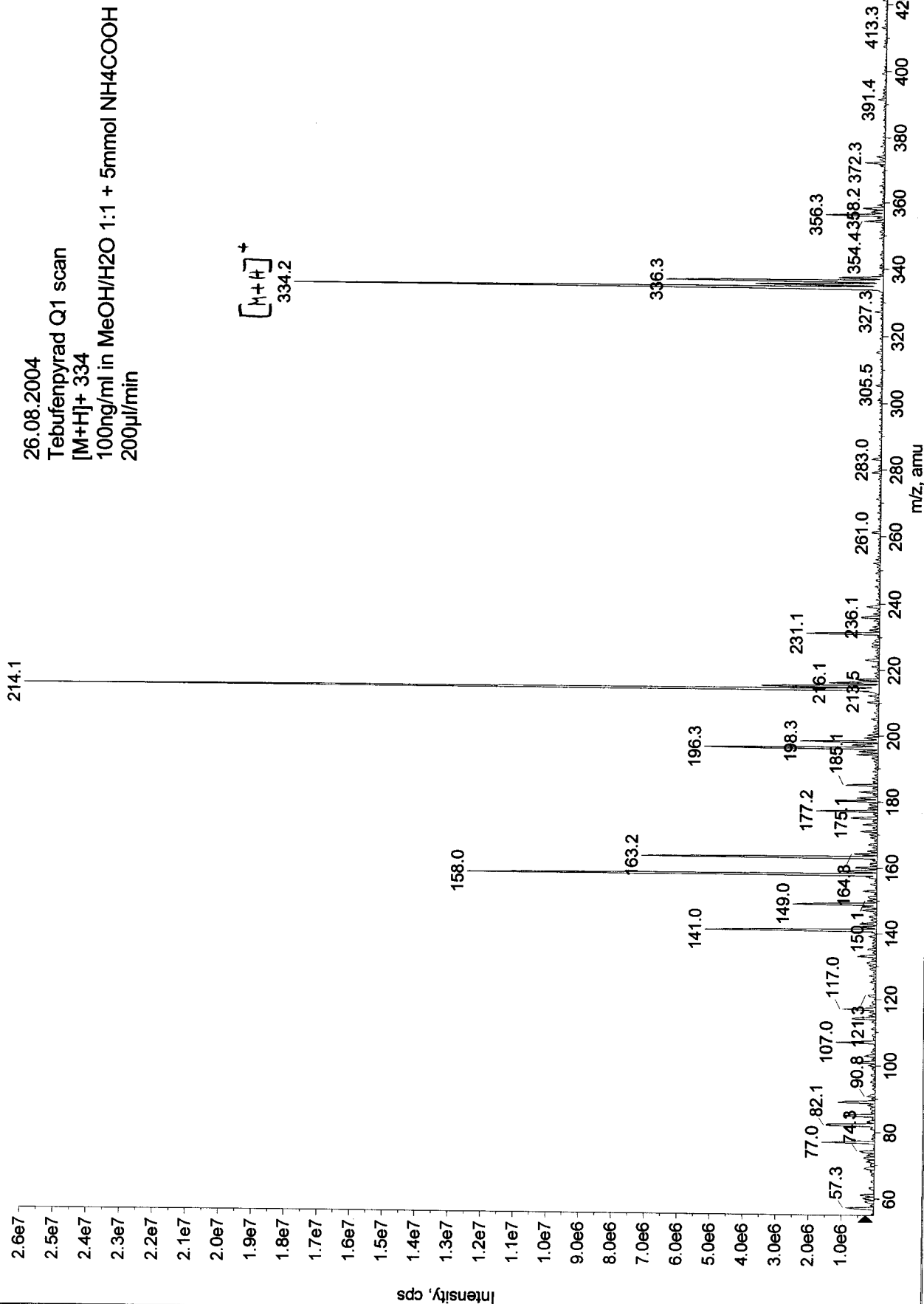
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826130811.wiff (Turbo Spray)

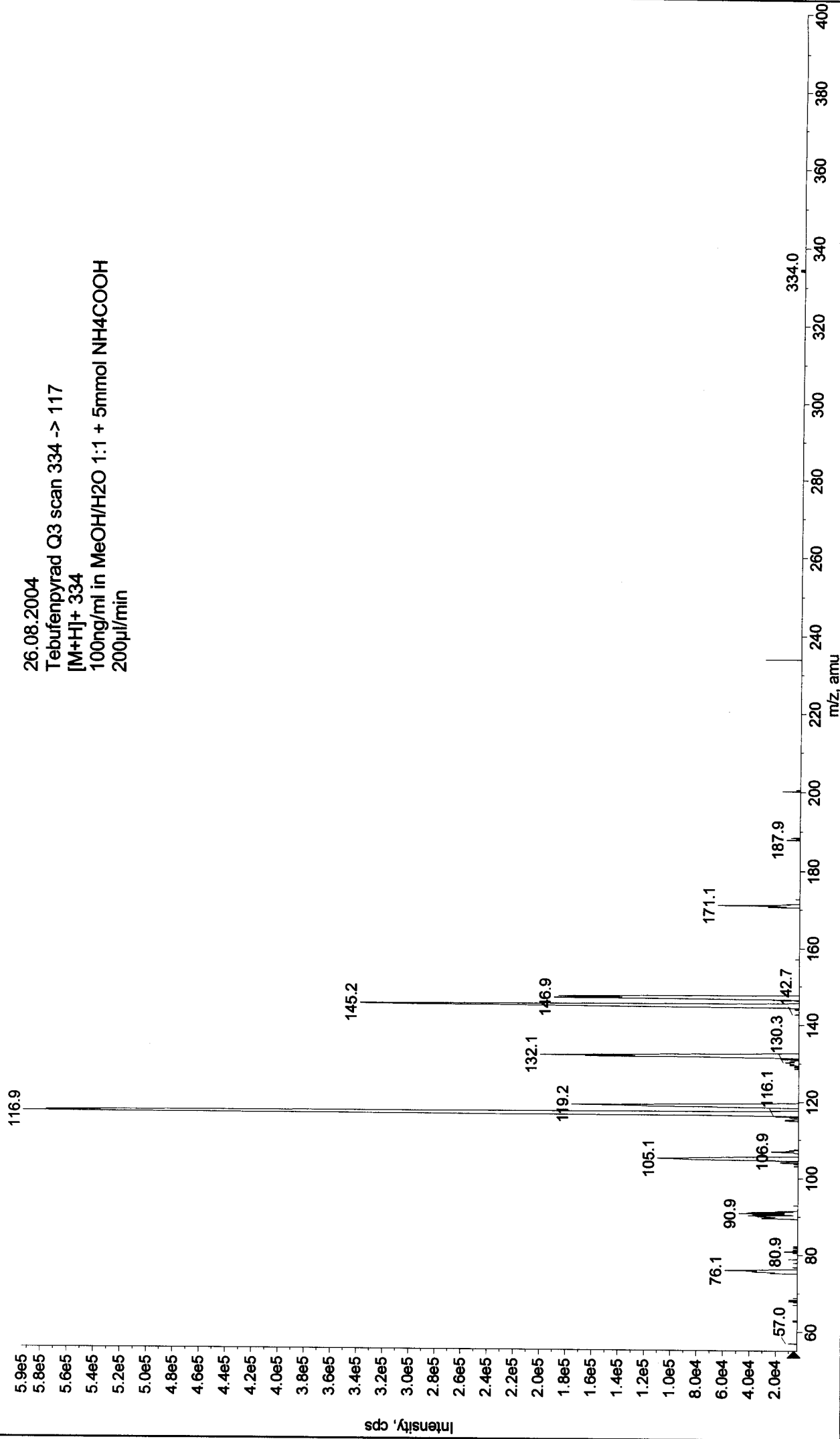
Max. 2.6e7 cps.

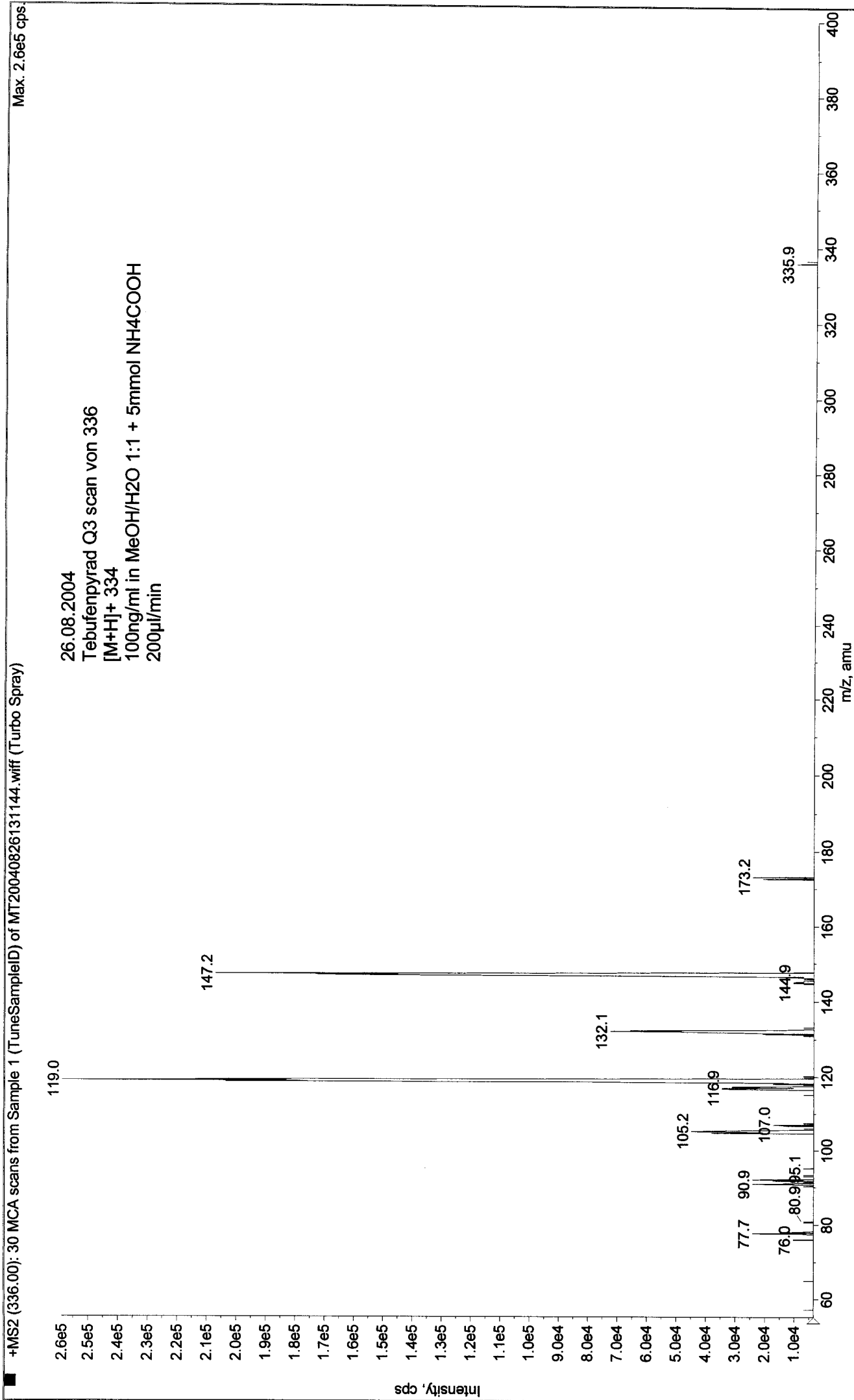


+MS2 (334.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826131029.wiff (Turbo Spray)

Max. 5.9e5 cps.

26.08.2004  
Tebufenpyrad Q3 scan 334 -> 117  
[M+H]<sup>+</sup> 334  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min





+MS2 (334.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826131754.wiff (Turbo Spray) Max. 5.8e5 cps

