

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

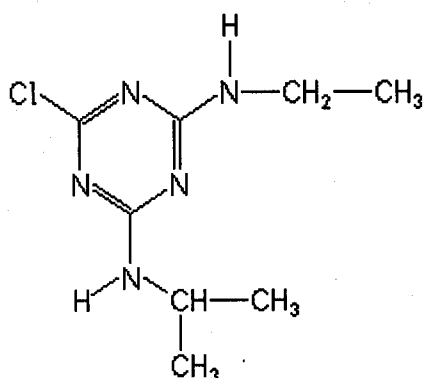
### Analyte: Atrazin

CAS No.: 1912-24-9

Formula: C<sub>8</sub>H<sub>14</sub>ClN<sub>5</sub>

Molecular mass (lowest isotopes): 215,10 amu

Structure:



Ionisation: ESI +

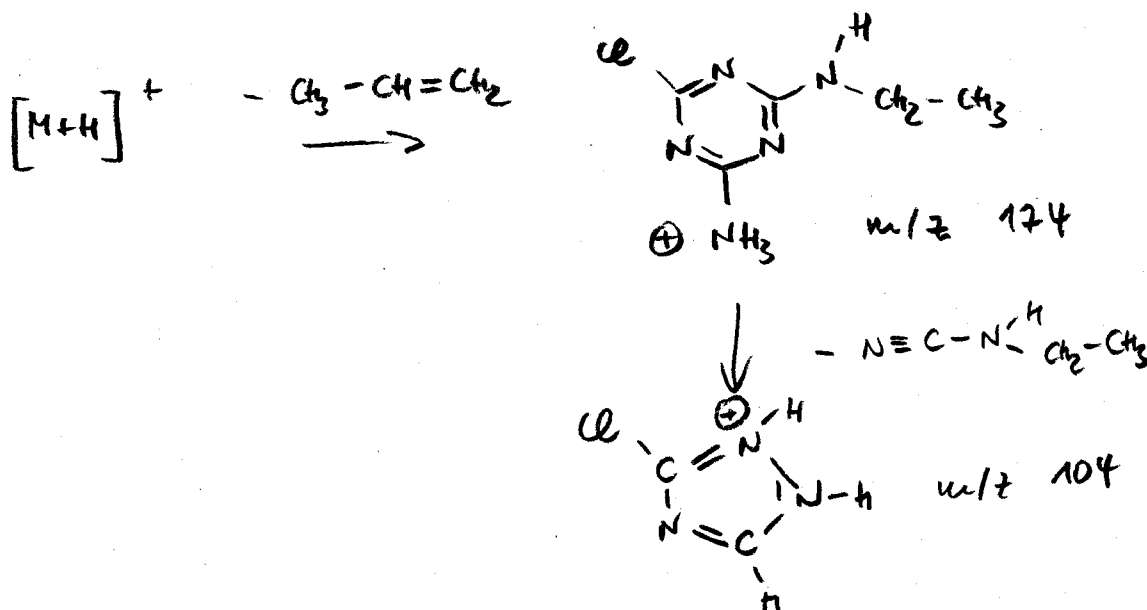
Quasimolecular ion: 216,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

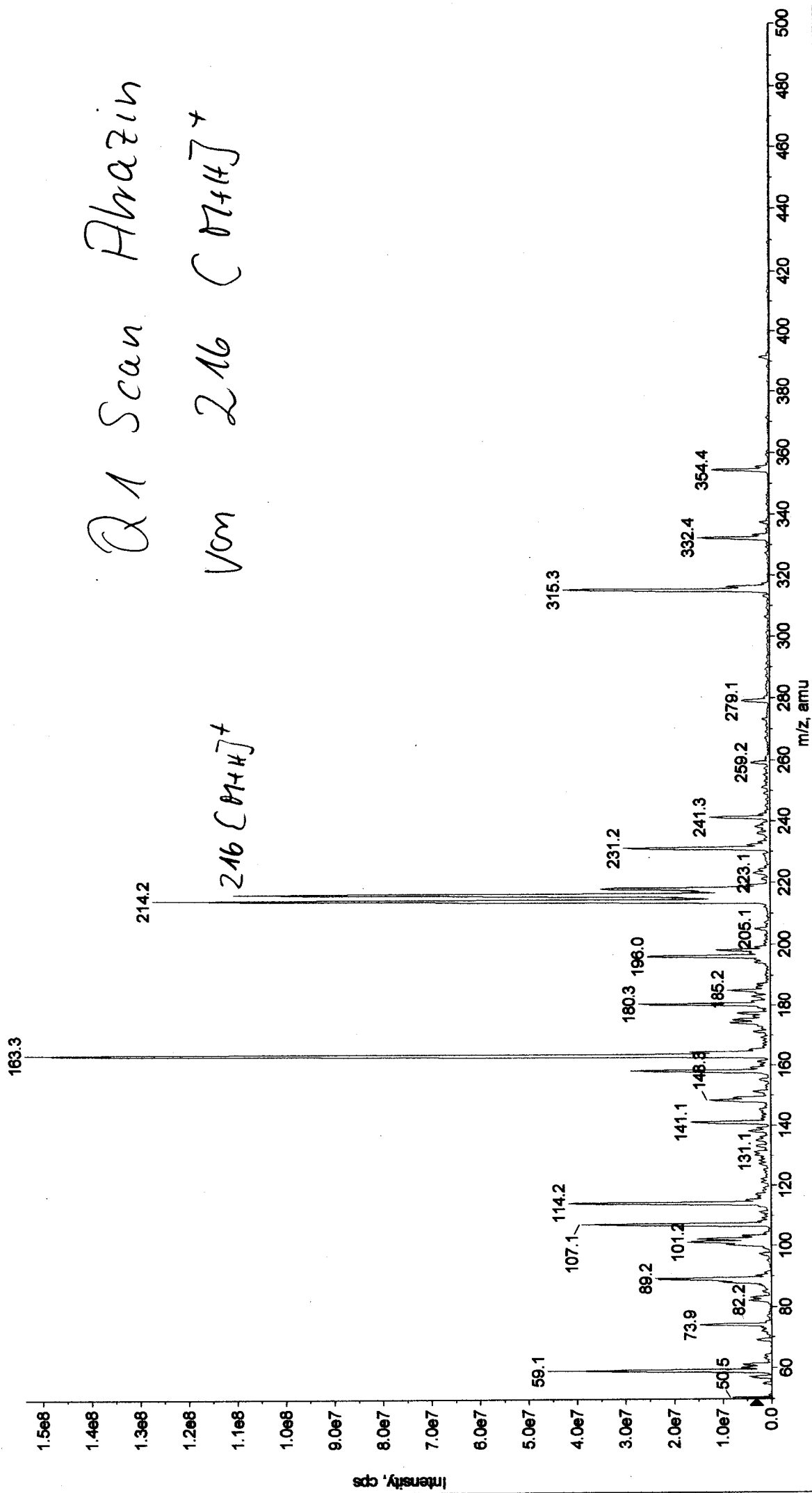
Transition	216,1 → 174,0	216,1 → 103,9
Declustering potential (DP) <sup>*)</sup>	21 V	21 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	11,0 V	12,0 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	25 V	27 V
Collision cell exit potential (CXP)	10 V	6 V

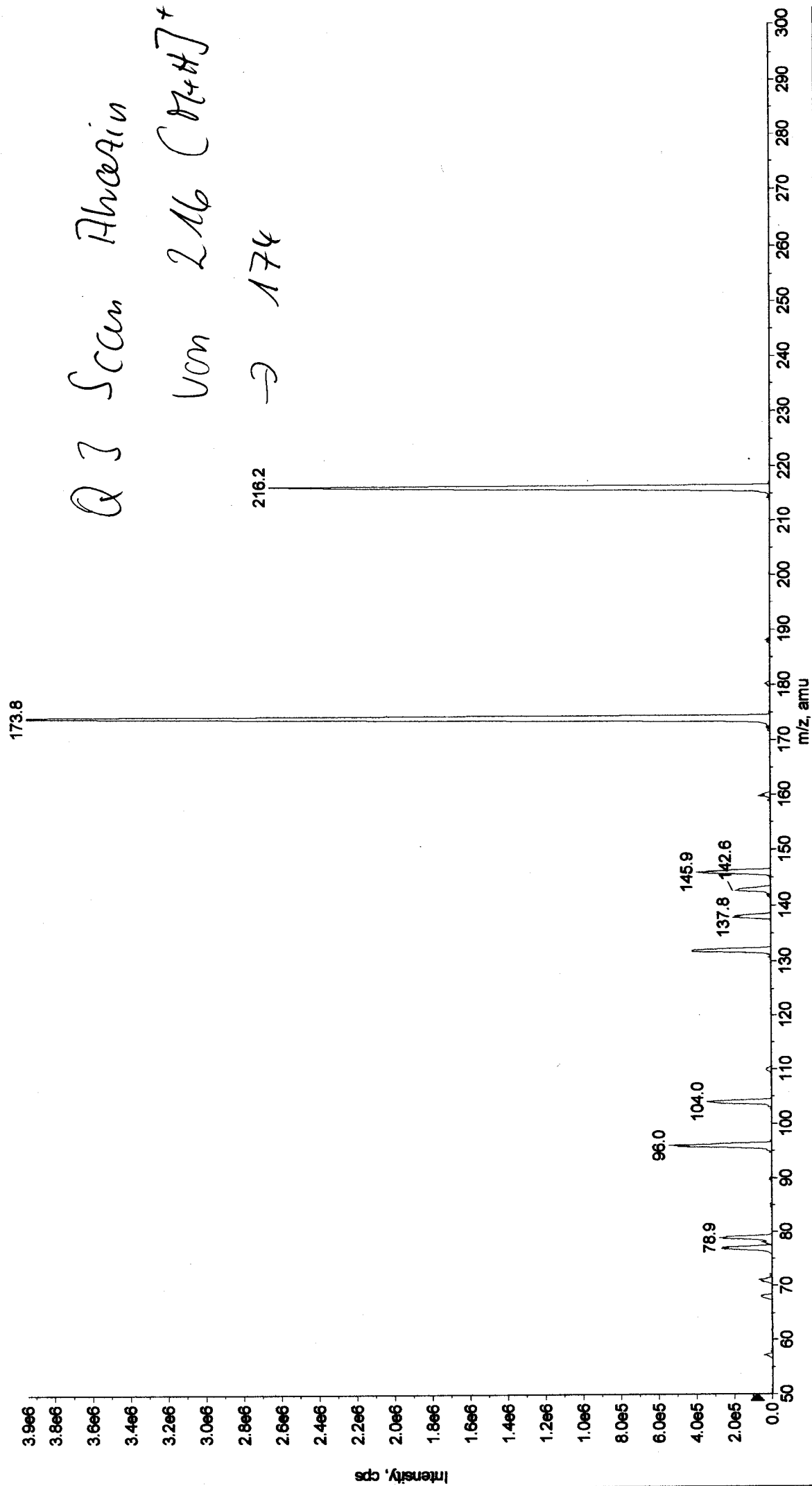
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



Q1 Scan Hrazin  
Van 216  $[M+H]^+$





Q3 Scan Flazin

216 → 104

