

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

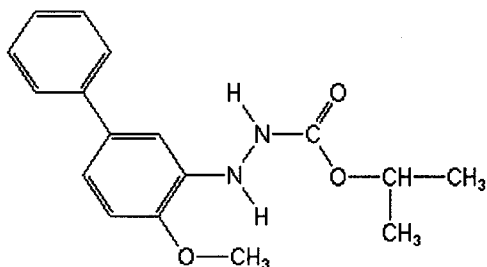
### Analyte: Bifenazate

CAS No.: 149877-41-8

Formula: C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>

Molecular mass (lowest isotopes): 300,15 amu

Structure:



Ionisation: ESI +

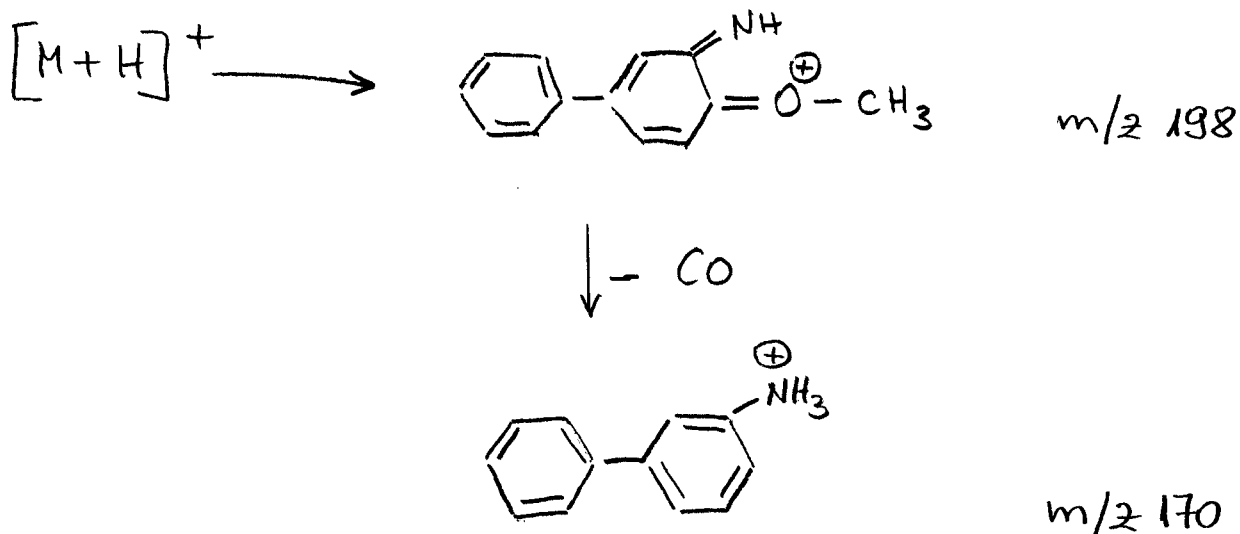
Quasimolecular ion: 301,2 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	301,2 → 198,1	301,2 → 170,2
Declustering potential (DP) <sup>*)</sup>	64 V	64 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	11,5 V	10,0 V
Collision cell entrance potential (CEP)	18 V	20 V
Collision energy (CE)	15 V	25 V
Collision cell exit potential (CXP)	10 V	8 V

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

### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060627113514.wiff (Turbo Spray)

Max. 2.1e8 cps

