

## MS/MS Parameters of Pesticides

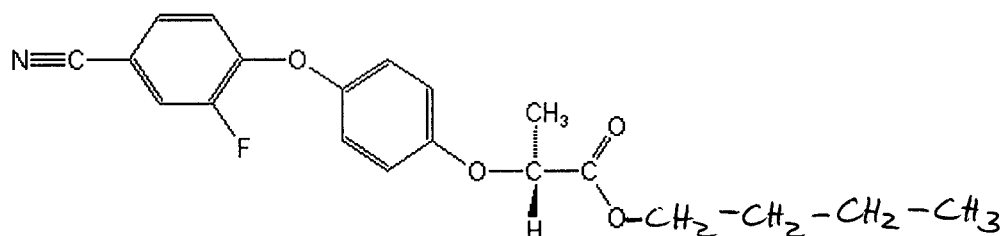
### Analyte: Cyhalofop-butyl

CAS No.: 122008-~~85~~ - 9

Formula: C<sub>20</sub>H<sub>20</sub>FNO<sub>4</sub>

Exact molecular mass (lowest isotopes): 357,14 amu

Structure:



Ionisation: ESI +

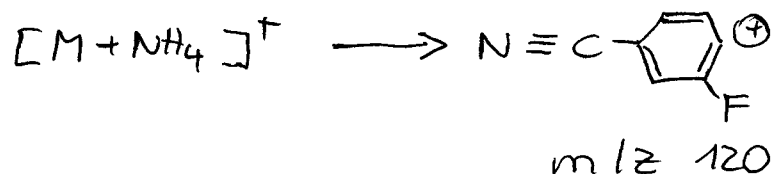
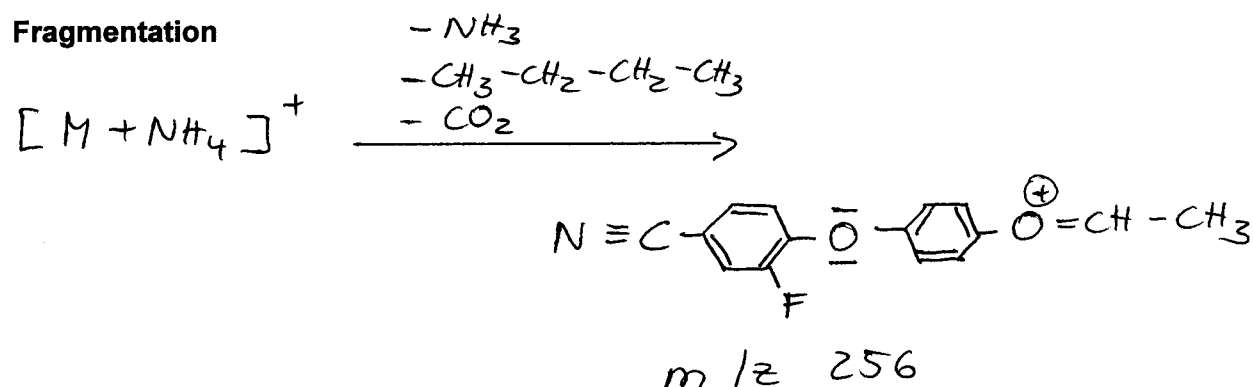
Quasimolecular ion: 375,1 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	375,1 → 256,1	375,1 → 120,0
Declustering potential (DP) <sup>*)</sup>	36V	36 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	11,5 V	8,5 V
Collision cell entrance potential (CEP)	20 V	24 V
Collision energy (CE)	21 V	41 V
Collision cell exit potential (CXP)	14 V	6 V

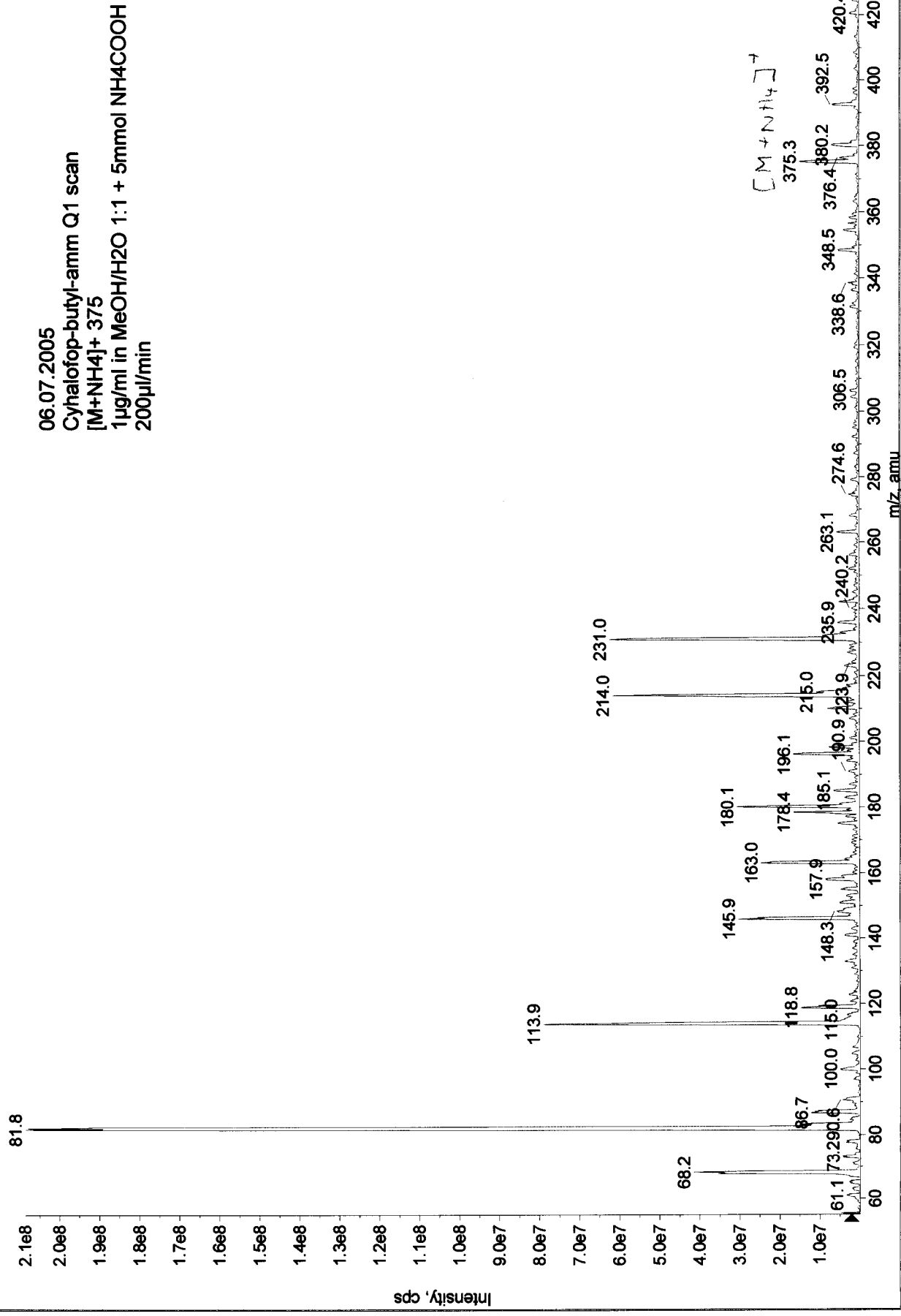
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



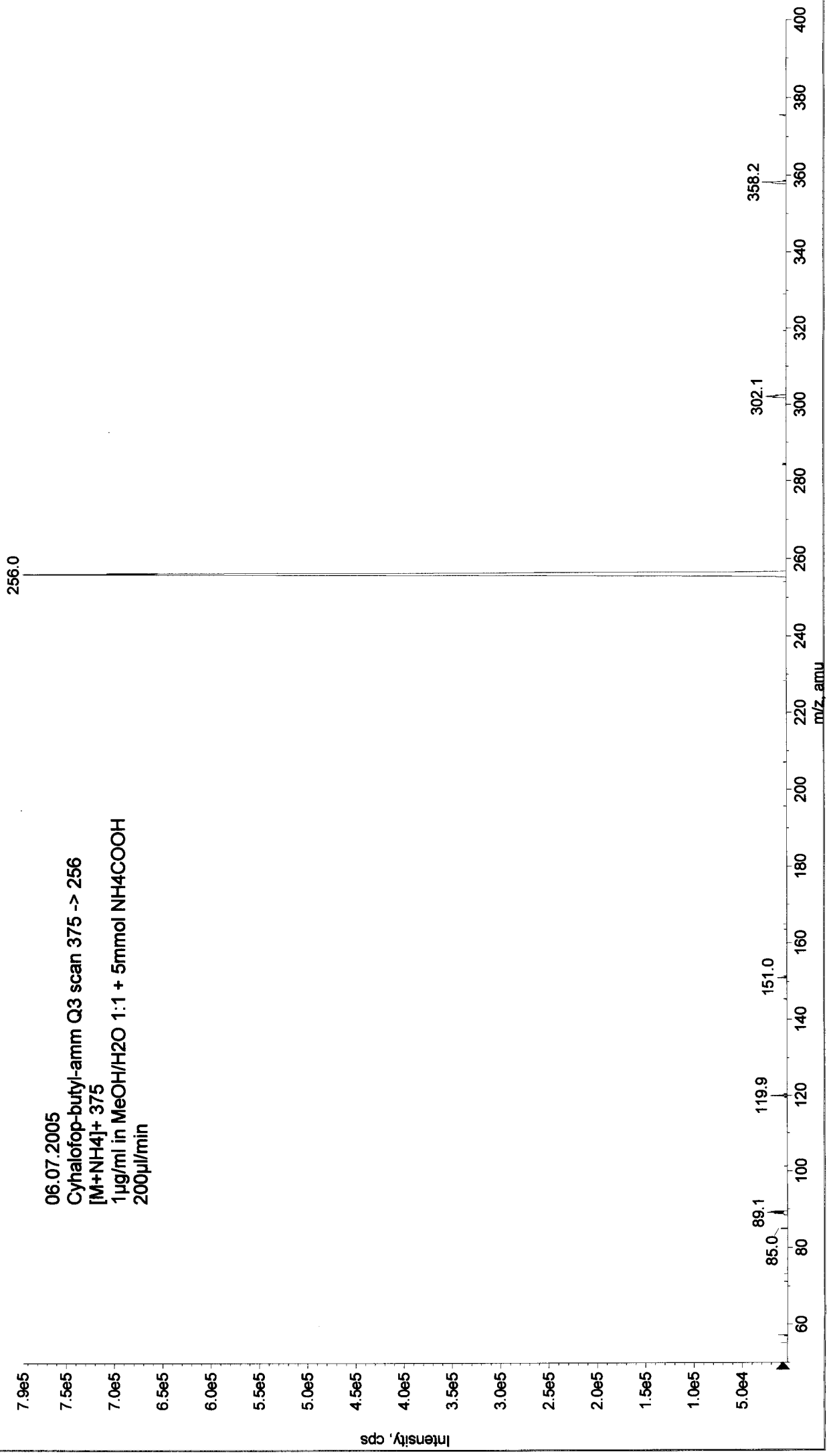
■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050706103442.wiff (Turbo Spray)

Max. 2.1e8 cps.



Max. 7.9e5 cps.

+MS2 (375.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050706103706.wiff (Turbo Spray)



■ +MS2 (375.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050706104039.wiff (Turbo Spray)

