

## MS/MS Parameters of Pesticides

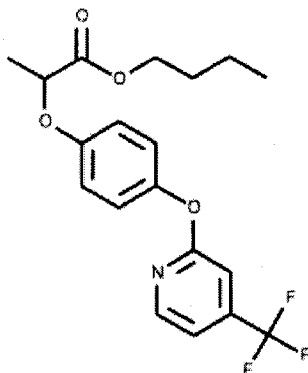
### Analyte: Fluazifop-butyl

CAS No.: 69806-50-4

Formula: C<sub>19</sub>H<sub>20</sub>F<sub>3</sub>NO<sub>4</sub>

Molecular mass (lowest isotopes): 383,13 amu

Structure:



Ionisation: ESI +

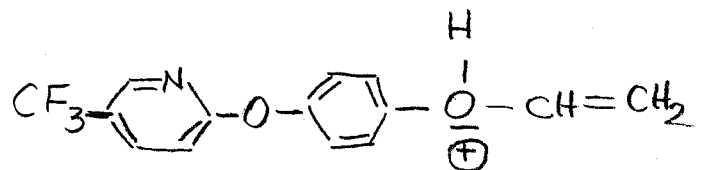
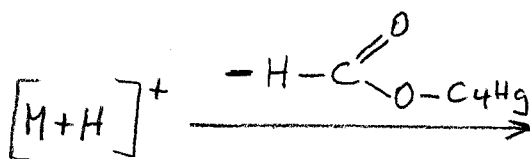
Quasimolecular ion: 384,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

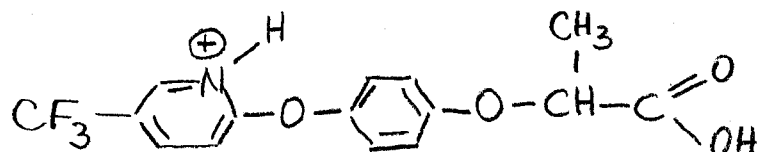
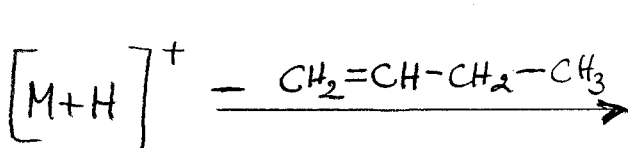
Transition	384,1 → 282,1	384,1 → 328,1
Declustering potential (DP) <sup>*)</sup>	49 V	49 V
Focusing potential (FP)	310 V	360 V
Entrance potential (EP)	9,0 V	10,5 V
Collision cell entrance potential (CEP)	20 V	22 V
Collision energy (CE)	27 V	23 V
Collision cell exit potential (CXP)	16 V	18 V

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

### Fragmentation



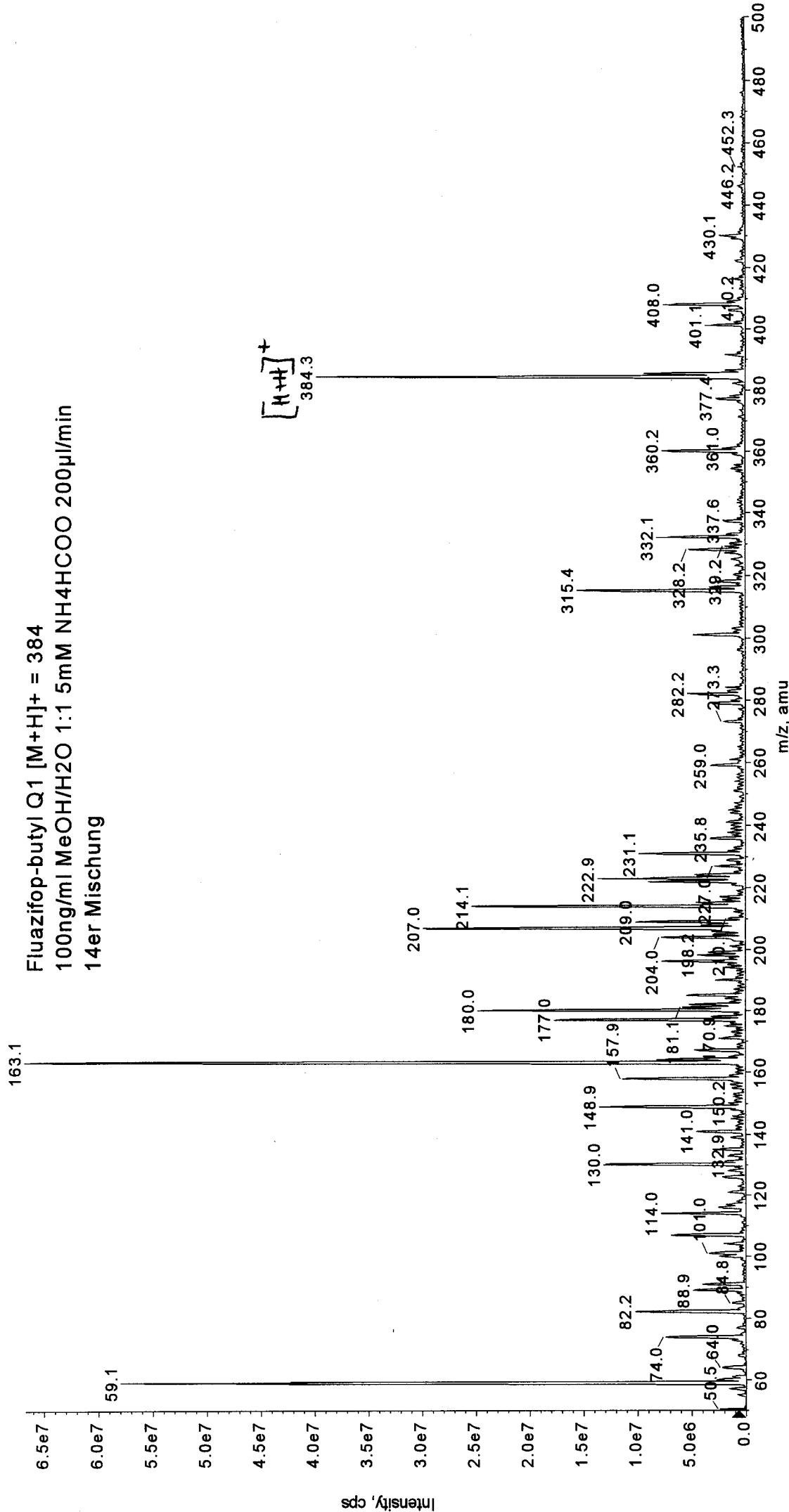
m/z 282



m/z 328

+Q1 30 MCA scans from Sample 1 of MT20020211150144.wiff

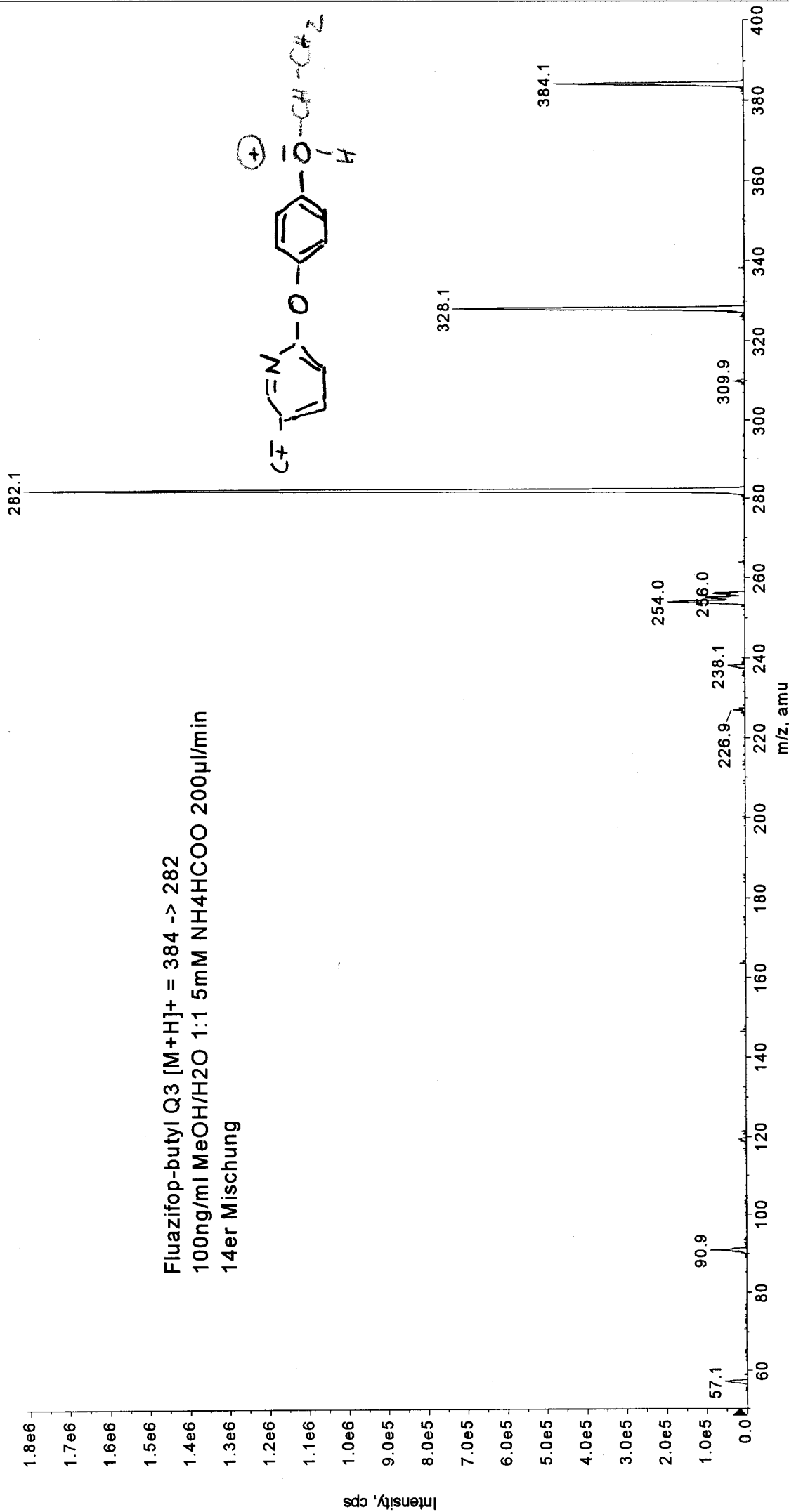
Max. 6.7e7 cps



\*Product (384.2): 30 MCA scans from Sample 1 of MT20020211150332.wiff

Max 1.8e6 cps

Fluazifop-butyl Q3 [M+H]<sup>+</sup> = 384 -> 282  
100ng/ml MeOH/H<sub>2</sub>O 1:1 5mM NH<sub>4</sub>HCOO 200µl/min  
14er Mischung



+Product (384.2): 30 MCA scans from Sample 1 of MT20020211151030.wiff

Max 1.6e6 cps

