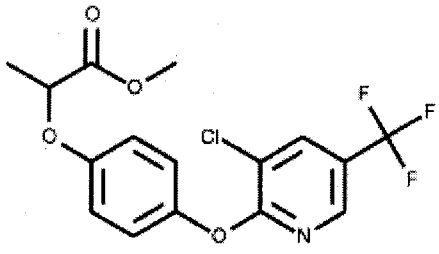
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Haloxyfop-P-methyl

CAS No.: 72619-32-0
Formula: C16H13ClF3NO4
Molecular mass (lowest isotopes): 375,05 amu

Structure:



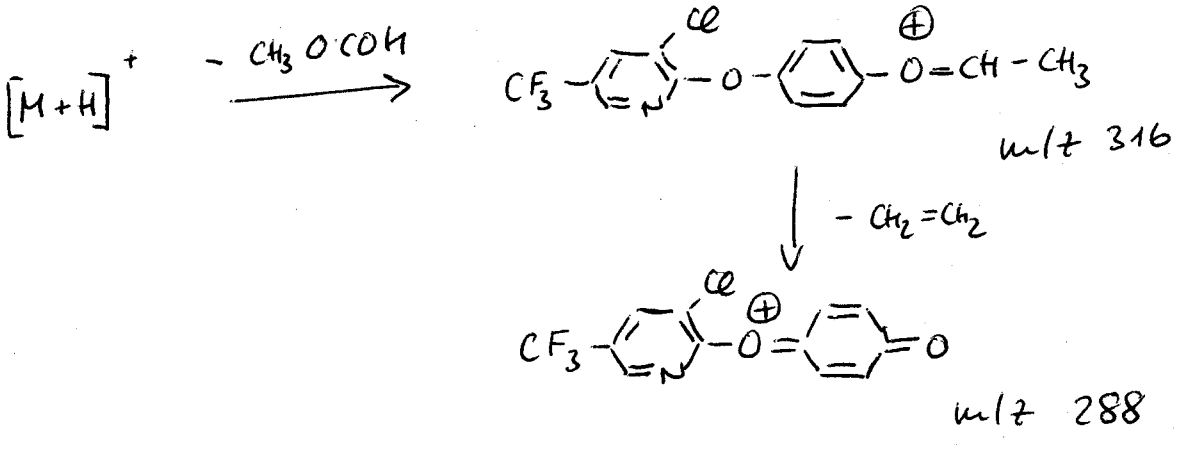
Ionisation: ESI + Quasimolecular ion: 376,1 amu = [M+H]+

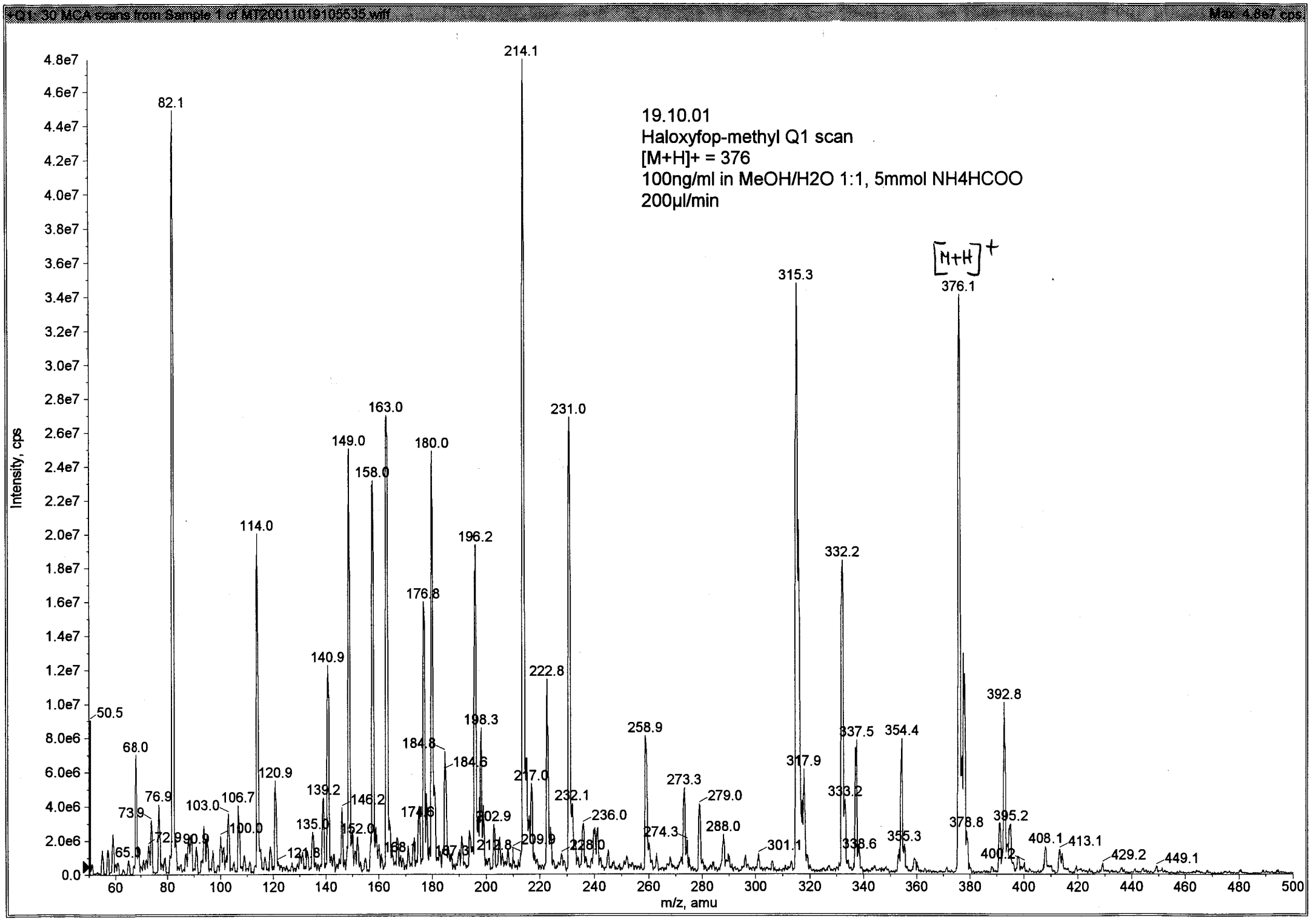
Analyte sensitive parameter set (API 2000)

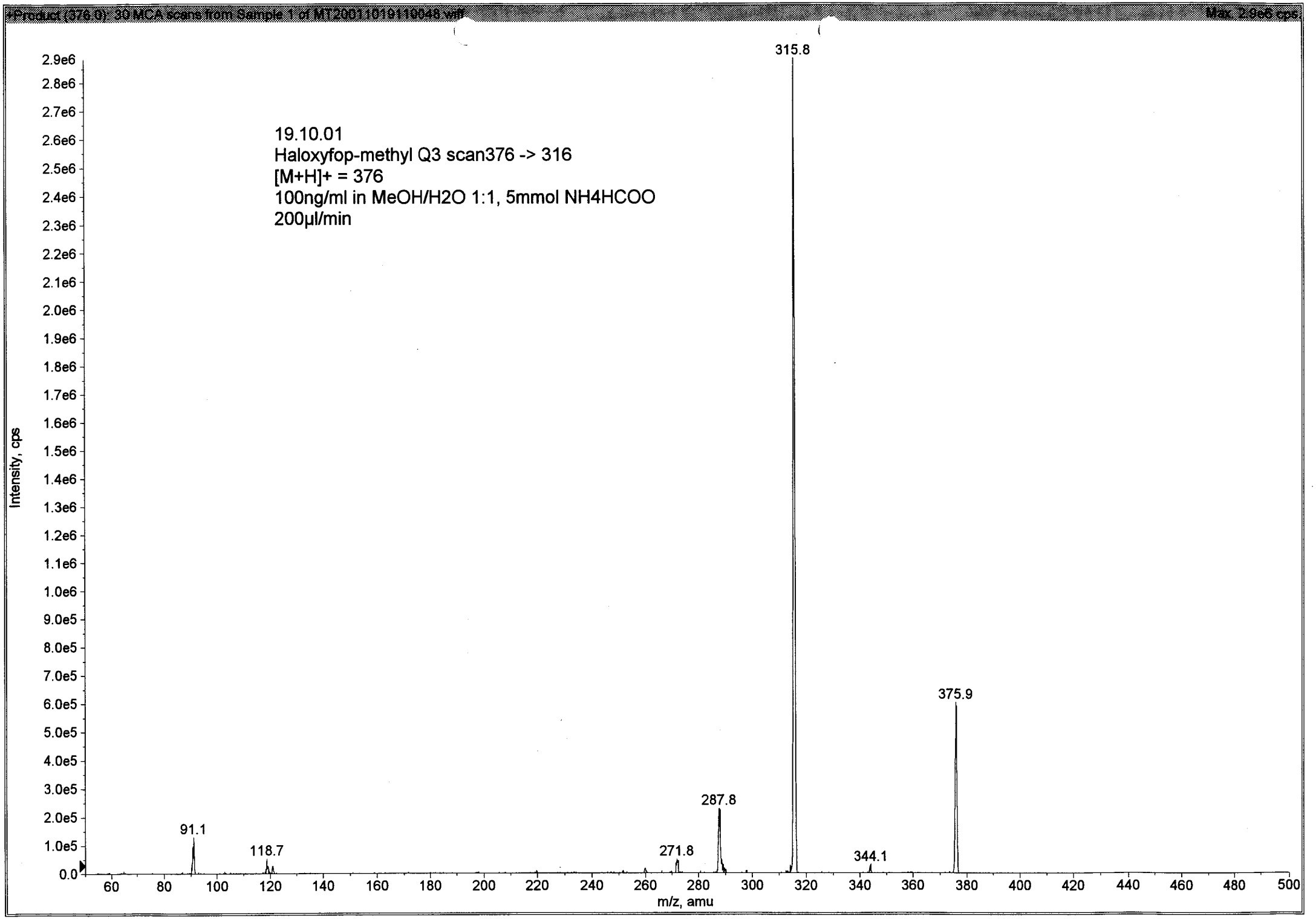
Transition	376,1 → 315,9	376,1 → 287,8
Declustering potential (DP)*)	89 V	89 V
Focusing potential (FP)	340 V	270 V
Entrance potential (EP)	10,5 V	11,0 V
Collision cell entrance potential (CEP)	24 V	22 V
Collision energy (CE)	23 V	33 V
Collision cell exit potential (CXP)	18 V	14 V

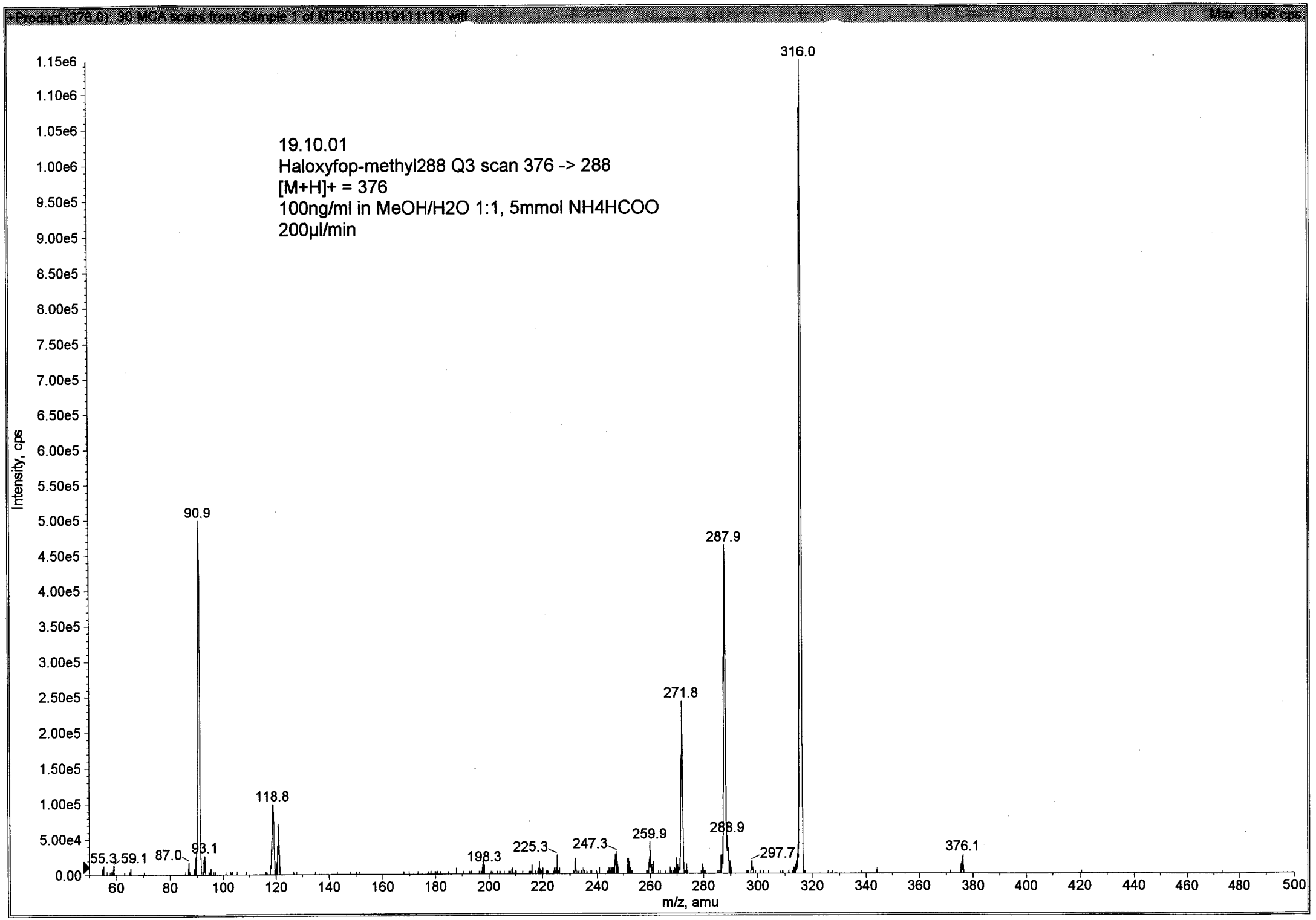
*) For API 3000 and 4000 enhance DP by 20V

Fragmentation




+Q1: 30 MCA scans from Sample 1 of MT20011019105535.wiff
Max. 4.8e7 cps.
19.10.01
Haloxyfop-methyl Q1 scan
[M+H]+ = 376
100ng/ml in MeOH/H2O 1:1, 5mmol NH4HCOO
200µl/min
[M+H]+
Intensity, cps
m/z, amu


Product (376.0): 30 MCA scans from Sample 1 of MT20011019110048.wiff
Max. 2.9e6 cps.
19.10.01
Haloxyfop-methyl Q3 scan376 -> 316
[M+H]+ = 376
100ng/ml in MeOH/H2O 1:1, 5mmol NH4HCOO
200µl/min
315.8
375.9
287.8
91.1
118.7
271.8
344.1
Intensity, cps
m/z, amu


Product (376.0): 30 MCA scans from Sample 1 of MT20011019111113.wiff
Max. 1.1e6 cps.
19.10.01
Haloxyfop-methyl288 Q3 scan 376 -> 288
[M+H]+ = 376
100ng/ml in MeOH/H2O 1:1, 5mmol NH4HCOO
200µl/min
Intensity, cps
m/z, amu
316.0
90.9
287.9
271.8
118.8
288.9
259.9
225.3
247.3
376.1
297.7
198.3
55.3
59.1
87.0
93.1