

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

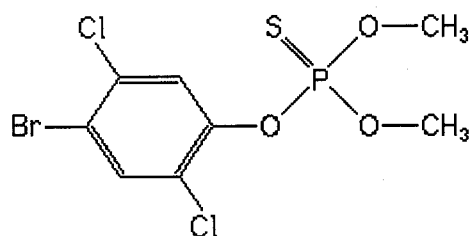
Analyte: Bromophos

CAS No.: 2104-96-3

Formula: C₈H₈BrCl₂O₃PS

Molecular mass (lowest isotopes): 363,85 amu

Structure:



Ionisation: ESI +

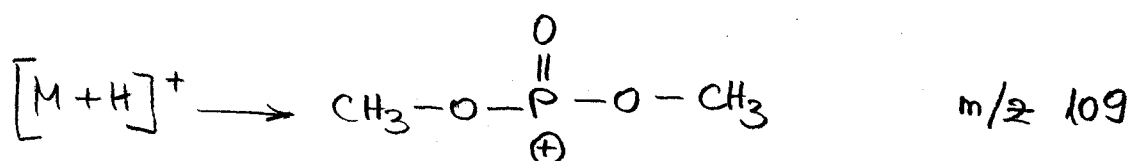
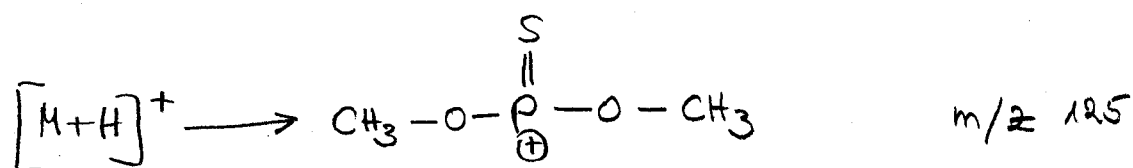
Quasimolecular ion: 366,8 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	366,8 → 125,0	366,8 → 108,9
Declustering potential (DP) ^{*)}	61 V	61 V
Focusing potential (FP)	330 V	360 V
Entrance potential (EP)	10,5 V	11,0 V
Collision cell entrance potential (CEP)	20 V	22 V
Collision energy (CE)	27 V	25 V
Collision cell exit potential (CXP)	6 V	6 V

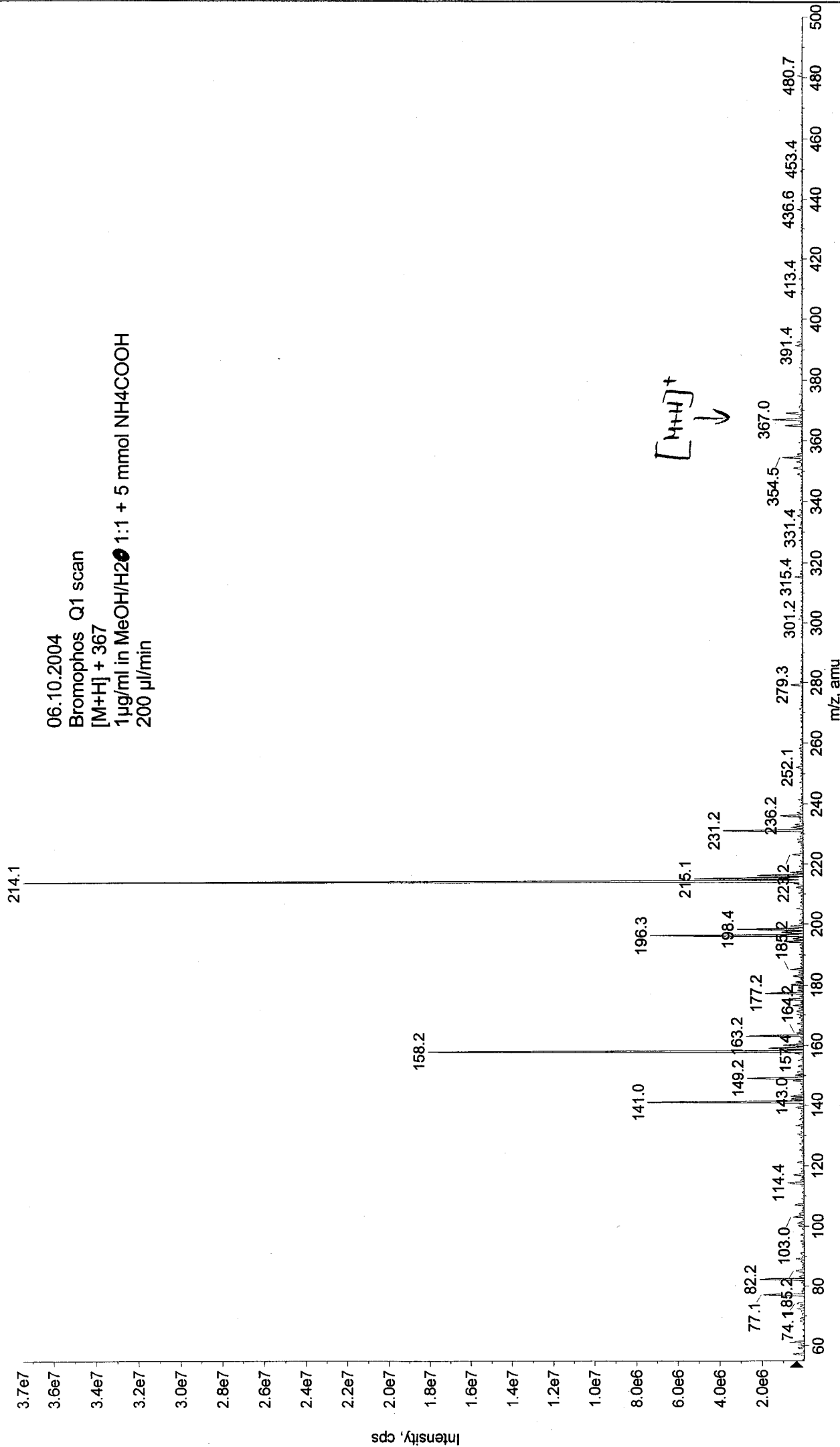
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



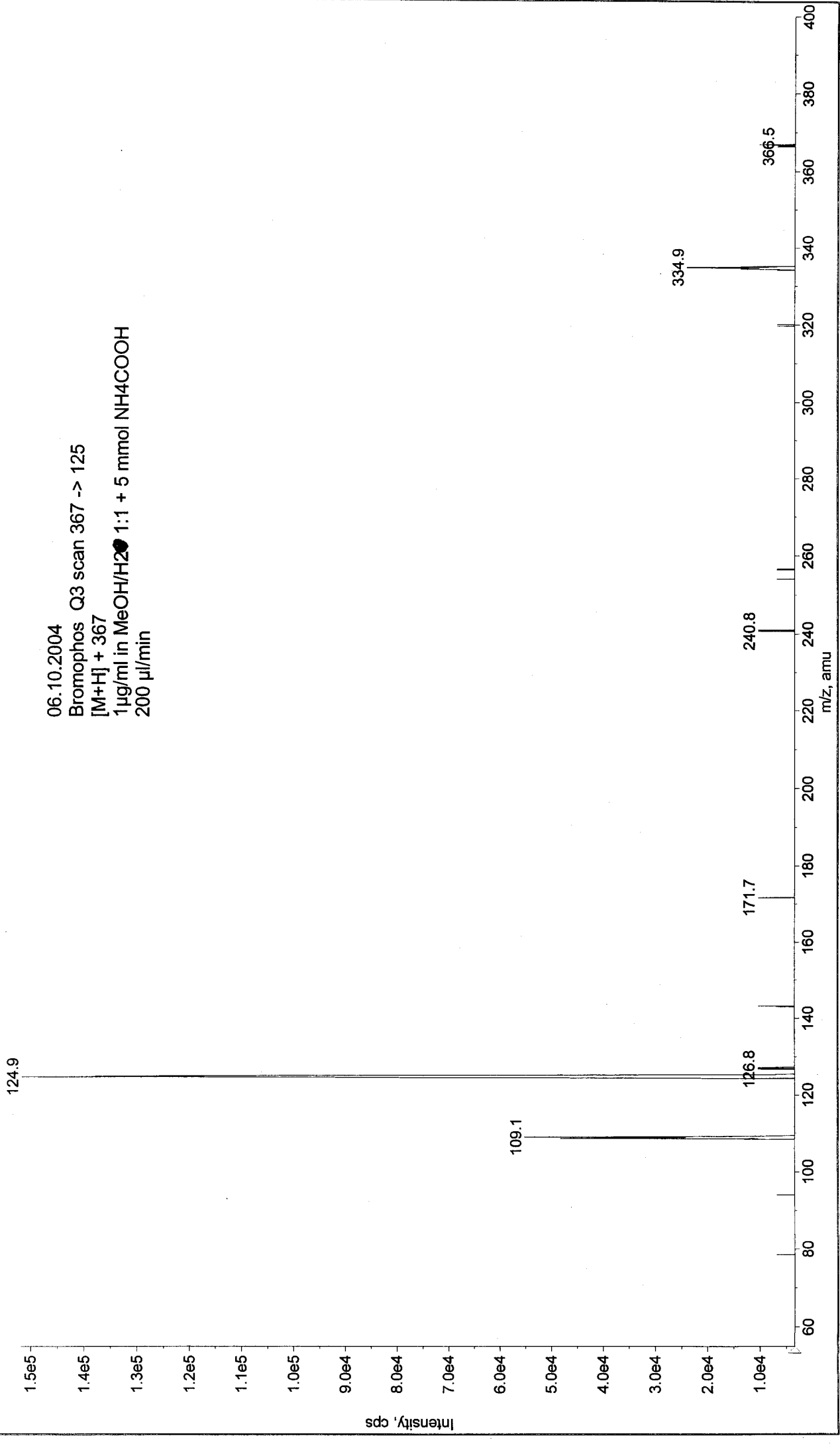
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20041006085511.wiff (Turbo Spray)

Max. 3.7e7 cps.



+MS2 (367.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041006085746.wiff (Turbo Spray)

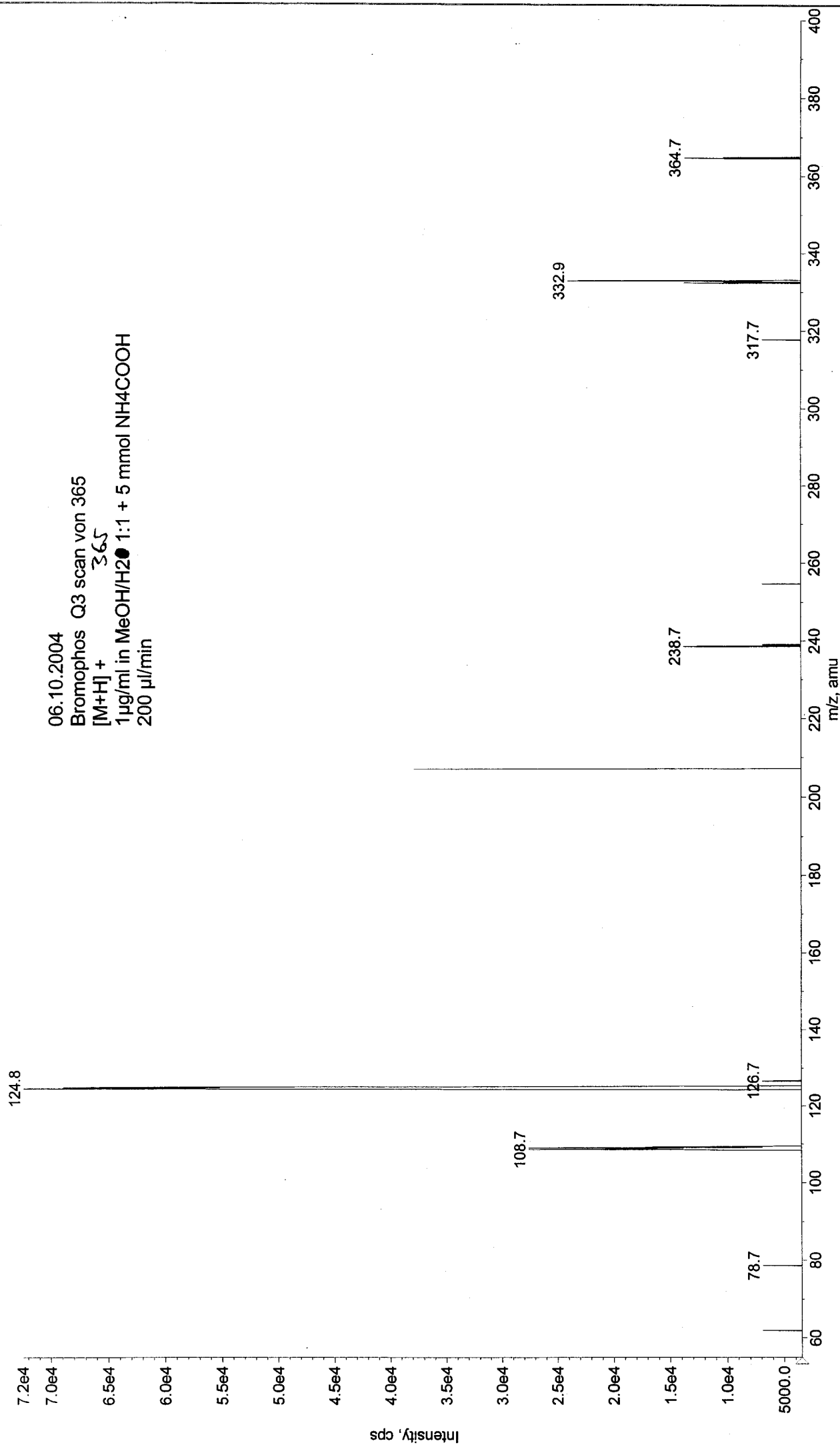
Max. 1.5e5 cps



06.10.2004
 Bromophos Q3 scan 367 -> 125
 [M+H]⁺ + 367
 1 µg/ml in MeOH/H₂O 1:1 + 5 mmol NH₄COOH
 200 µl/min

+MS2 (365.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041006085857.wiff (Turbo Spray)

Max. 7.2e4 cps



06.10.2004
Bromophos Q3 scan von 365
[M+H]⁺ + 365
1 µg/ml in MeOH/H₂O 1:1 + 5 mmol NH₄COOH
200 µl/min

