

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

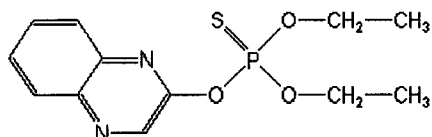
Analyte: Quinalphos

CAS No.: 13593-03-8

Formula: C₁₂H₁₅N₂O₃PS

Molecular mass (lowest isotopes): 298,05 amu

Structure:



Ionisation: ESI +

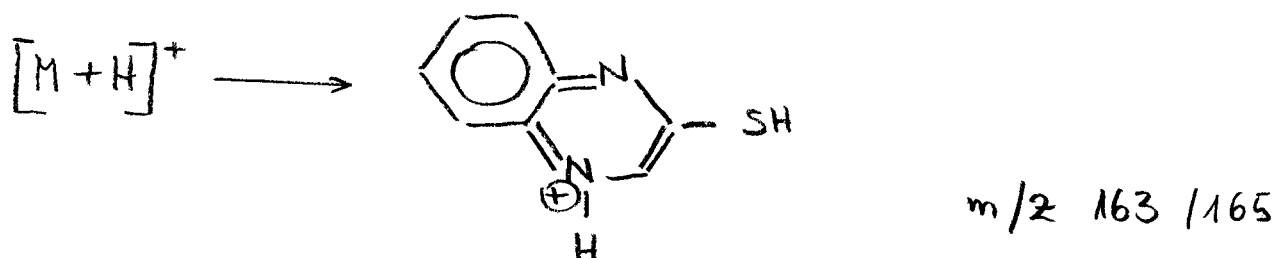
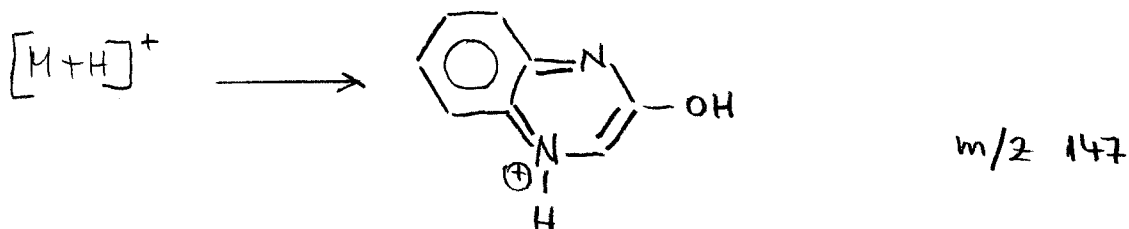
Quasimolecular ion: 299,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

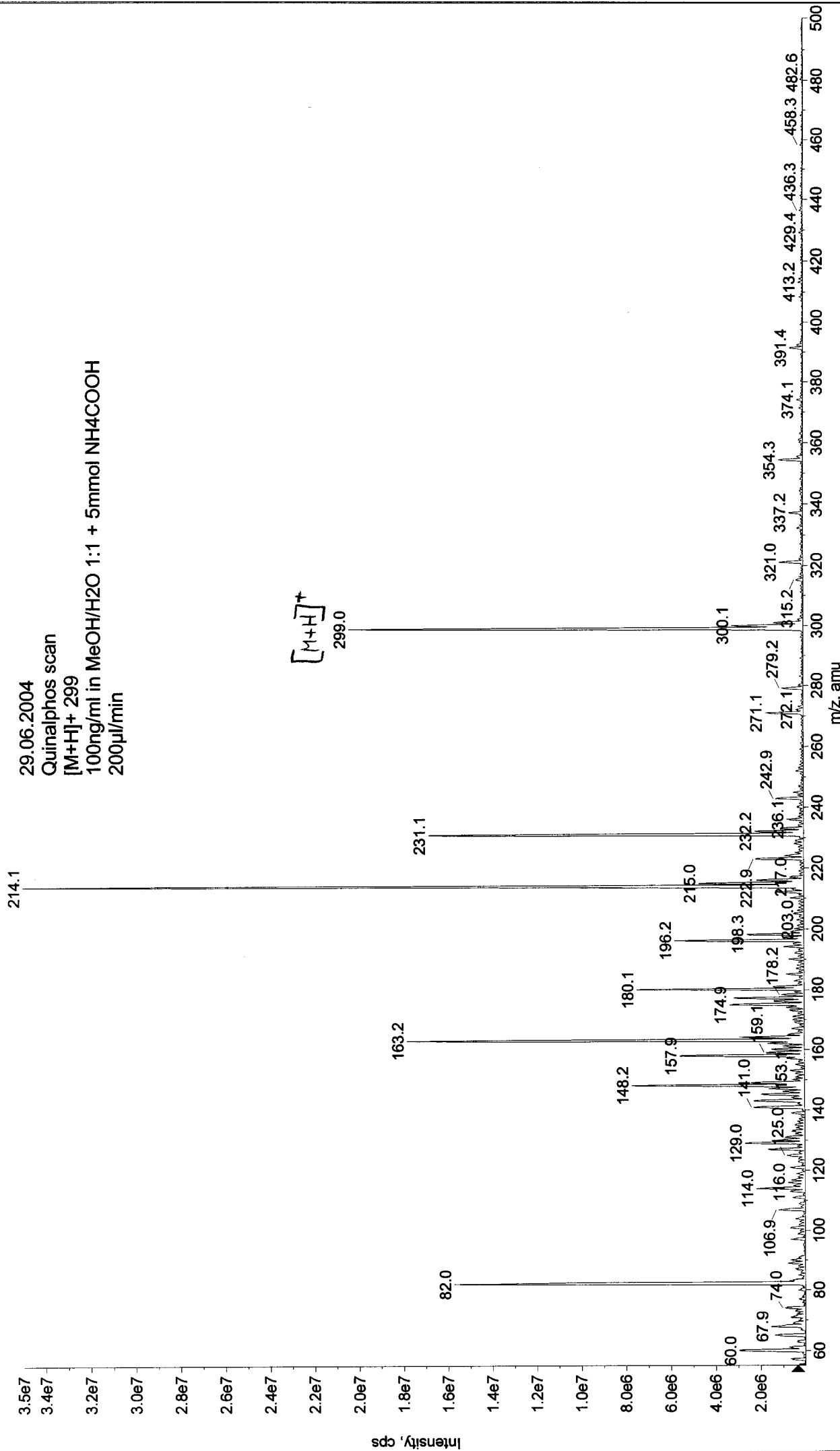
Transition	299,0 → 163,0	299,0 → 147,0
Declustering potential (DP) ^{*)}	26 V	26 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	11,5 V	11,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	29 V	29 V
Collision cell exit potential (CXP)	8 V	8 V

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

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040629113515.wiff (Turbo Spray) Max. 3.5e7 cps



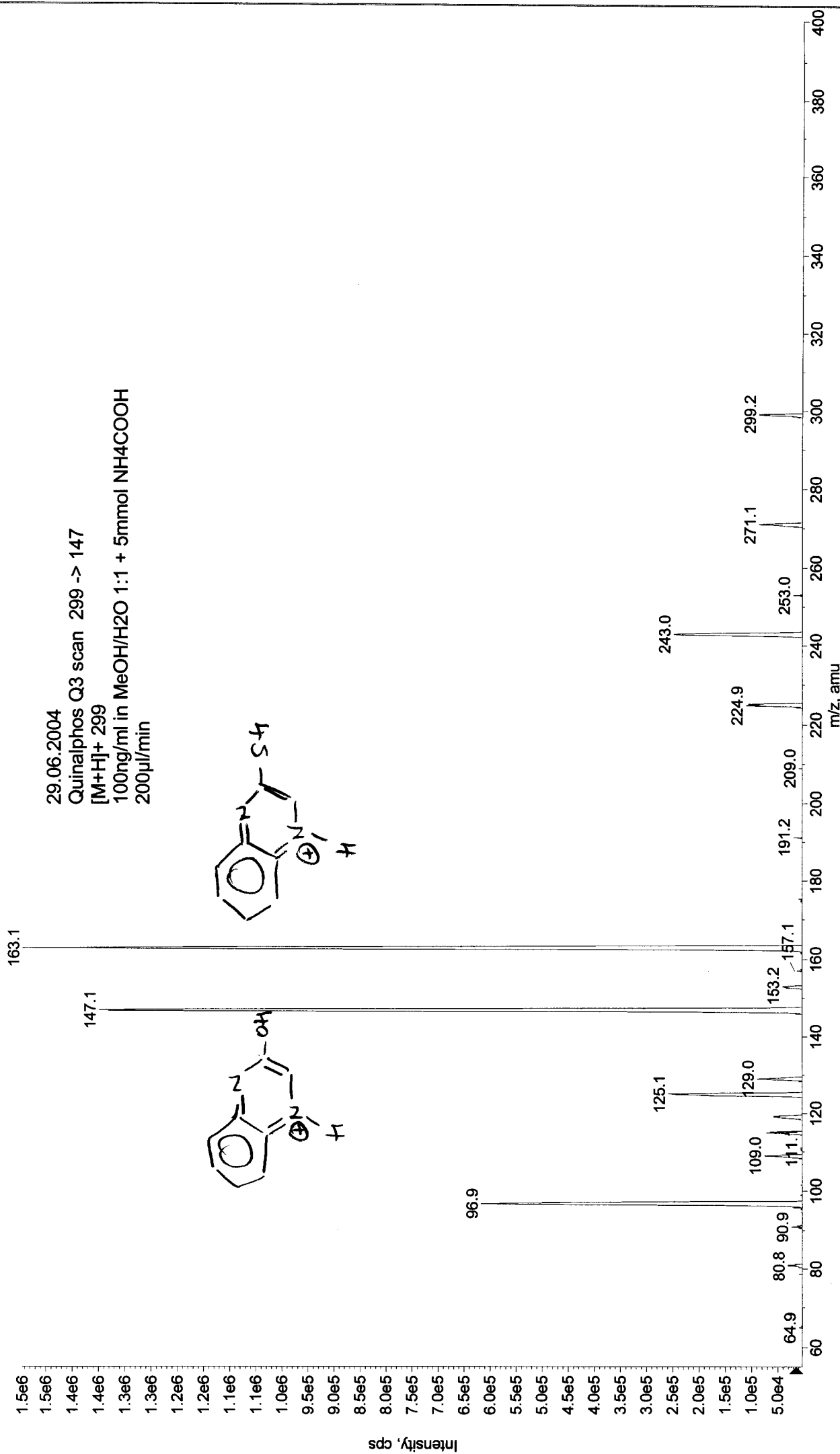
Printing Time: 11:39:27
Printing Date: Tuesday, June 29, 2004

Acq Time: 11:37
Acq Date: Tuesday, June 29, 2004
Acq File: MT20040629113741.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Max. 1.5e6 cps

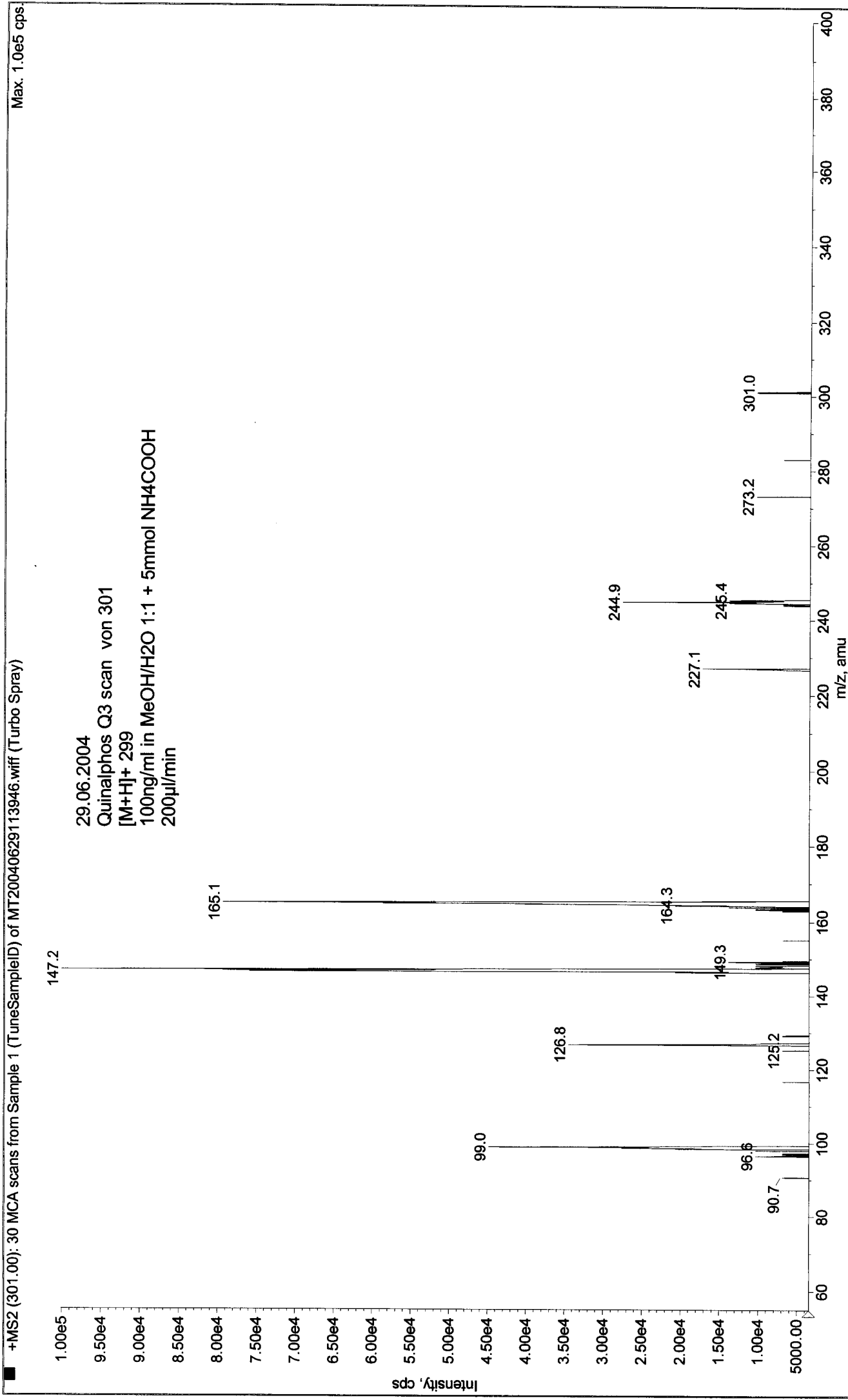
+MS2 (299.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040629113741.wiff (Turbo Spray)



Printing Time: 11:40:57
Printing Date: Tuesday, June 29, 2004

Acq Time: 11:39
Acq Date: Tuesday, June 29, 2004
Acq File: MT20040629113946.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat



Printing Time: 11:52:20

Printing Date: Tuesday, June 29, 2004

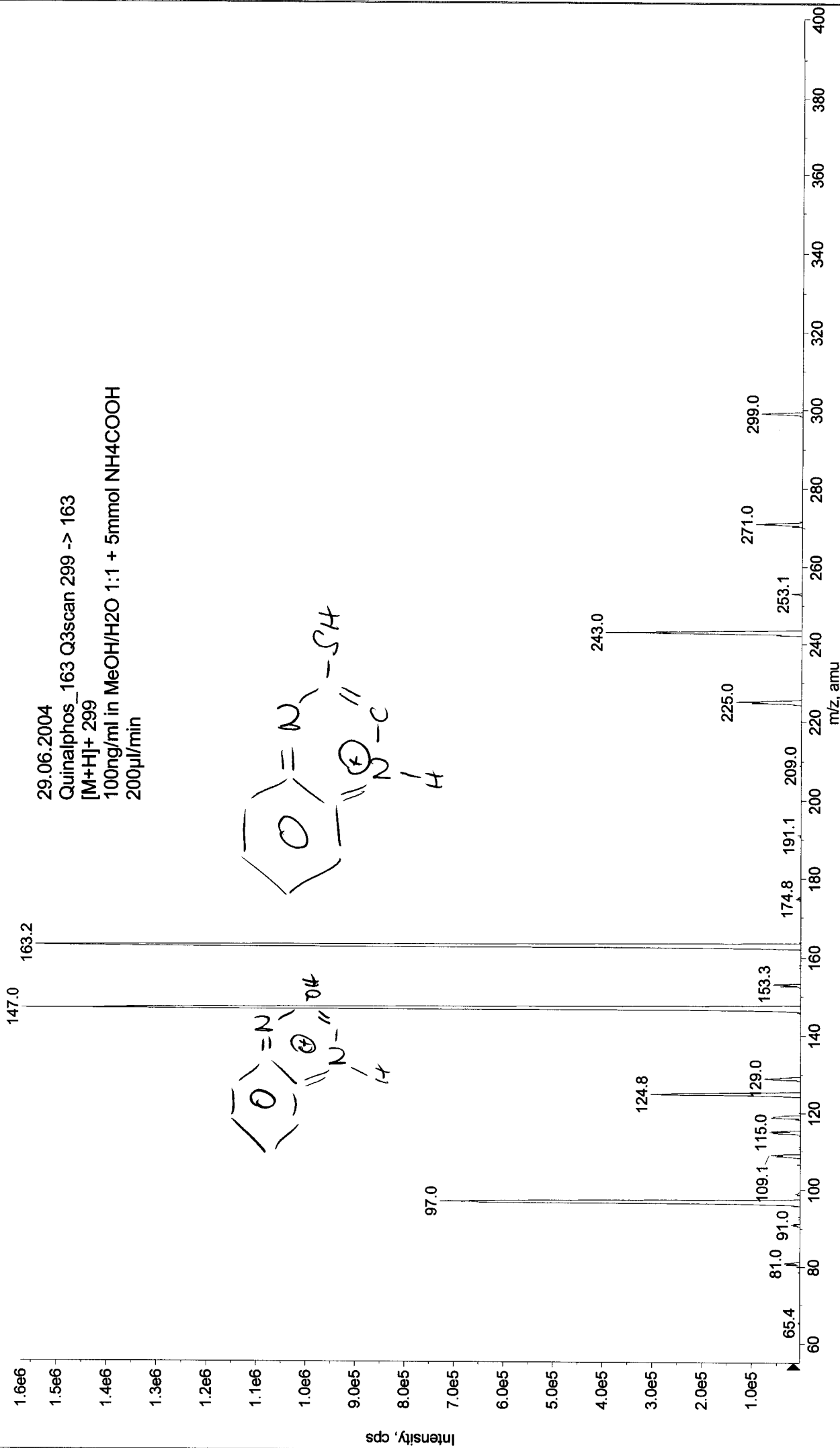
Acq Time: 11:51

Acq Date: Tuesday, June 29, 2004

Acq File: MT20040629115102.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

+MS2 (299.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040629115102.wiff (Turbo Spray) Max. 1.6e6 cps.



Printing Time: 11:54:01

Printing Date: Tuesday, June 29, 2004

Acq Time: 11:52

Acq Date: Tuesday, June 29, 2004

Acq. File: MT20040629115235.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

+MS2 (301.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040629115235.wiff (Turbo Spray) Max. 9.3e4 cps

