

30-10-18

IR spectrum of 4a

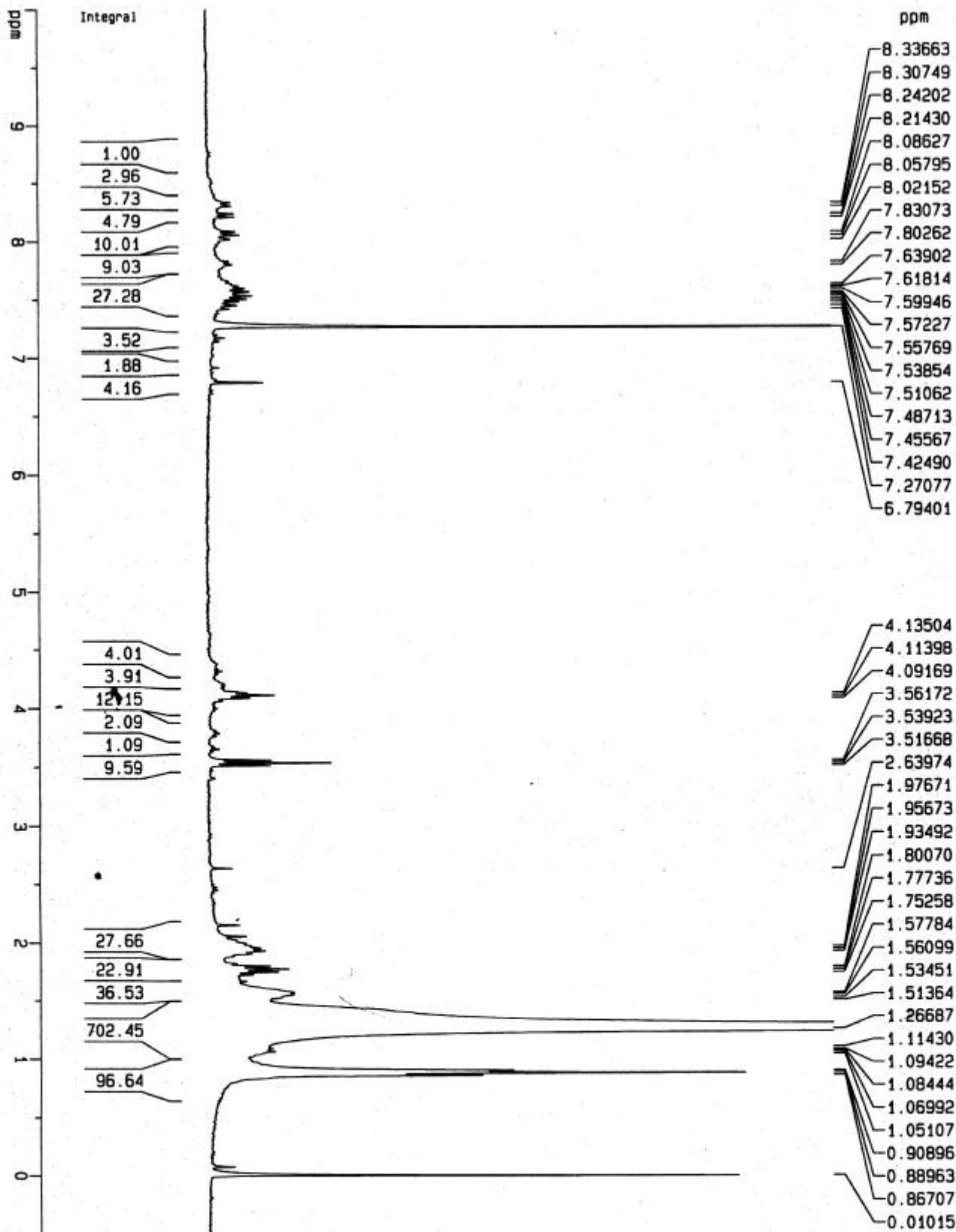


18

ZRT NN
2001.4.4

1H NMR of 4a

18N=N



Current Data Parameters
 NAME hou-1H
 EXPNO 21
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20010521
 Time 9.47
 INSTRUM dmx300
 PROBHD BBI

PULPROG zg
 TD 12048
 SOLVENT CDCl3
 NS 8
 DS 0
 SMH 5122.951 Hz
 FIDRES 0.425212 Hz
 AQ 1.1759348 sec
 RG 256
 DM 97.600 usec
 DE 4.50 usec
 TE 300.0 K
 D1 3.00000000 sec
 P1 5.50 usec
 SF01 300.1319570 MHz
 NUC1 1H
 PL1 0.00 dB

F2 - Processing parameters
 SI 8192
 SF 300.1300061 MHz
 MDW GM
 SSB 0
 LB -0.30 Hz
 GB 0.1
 PC 0.10

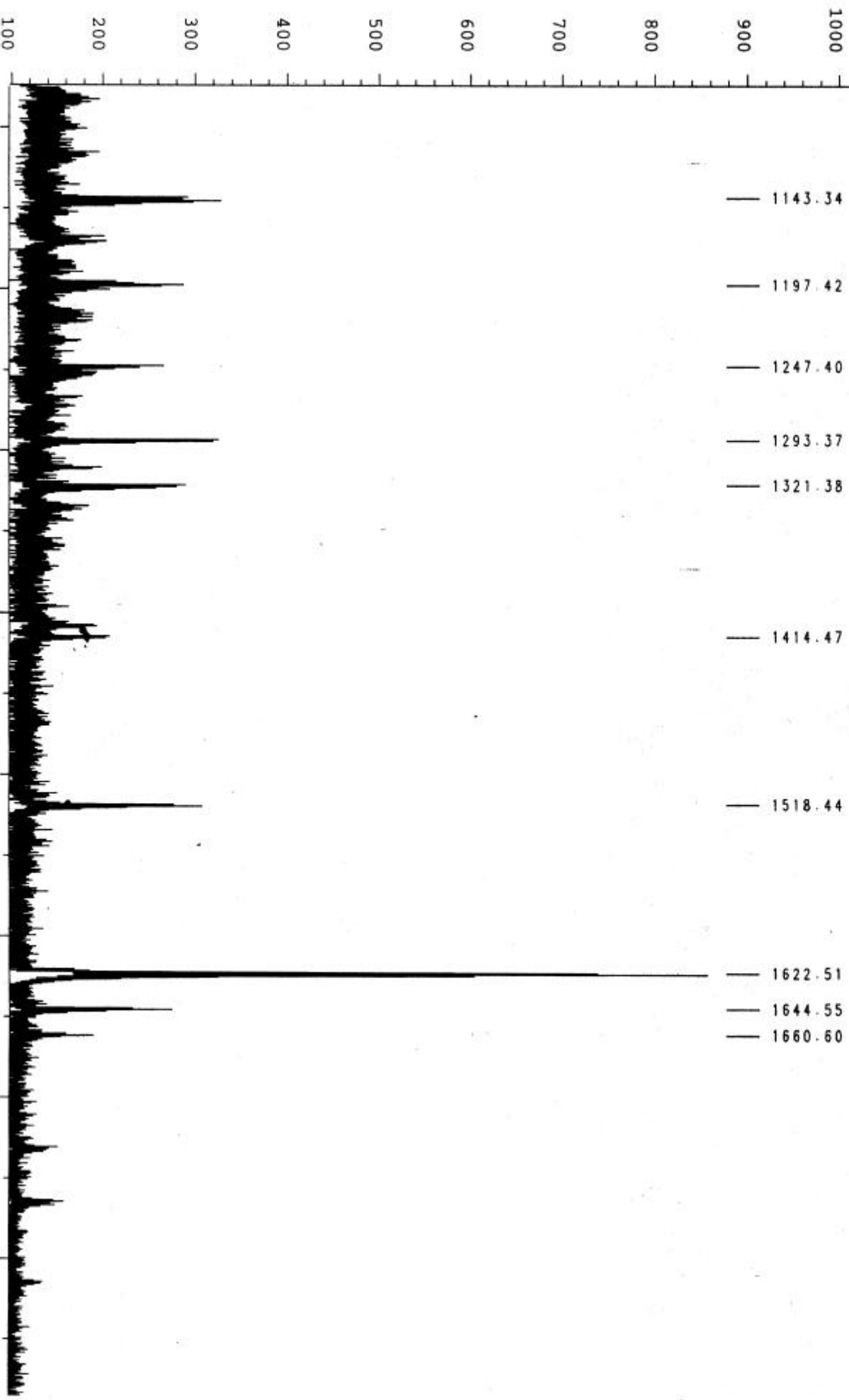
1D NMR plot parameters
 CX 21.50 cm
 F1P 10.000 ppm
 F1 3001.30 Hz
 F2P -0.500 ppm
 F2 -150.07 Hz
 PPMCM 0.48837 ppm/cm
 HZCM 146.57512 Hz/cm

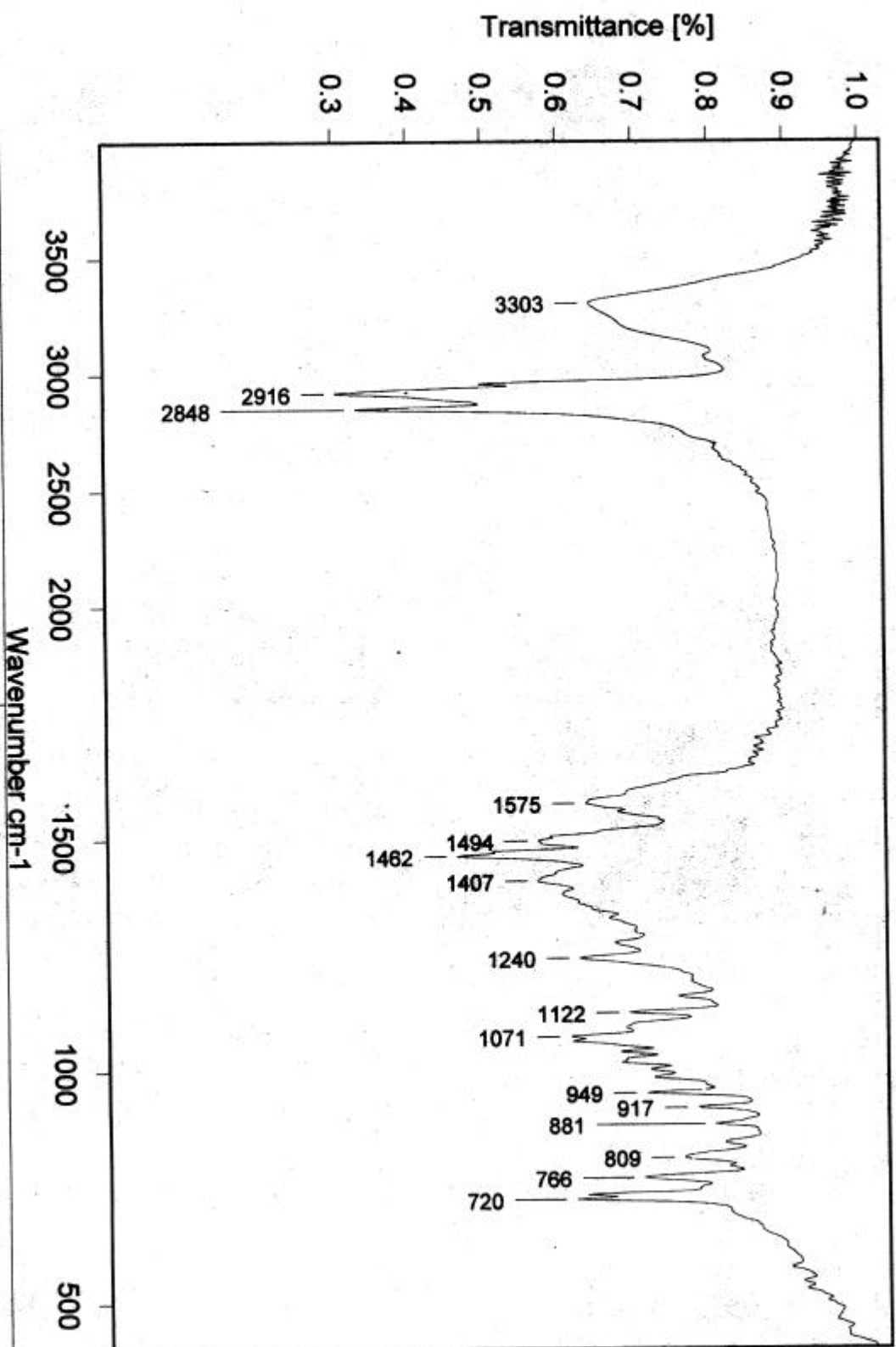
MS of 4a

MALDI-TOF, 18N2, CCA, 2001, 4, 6

a.i.

- 1143.34
- 1197.42
- 1247.40
- 1293.37
- 1321.38
- 1414.47
- 1518.44
- 1622.51
- 1644.55
- 1660.60

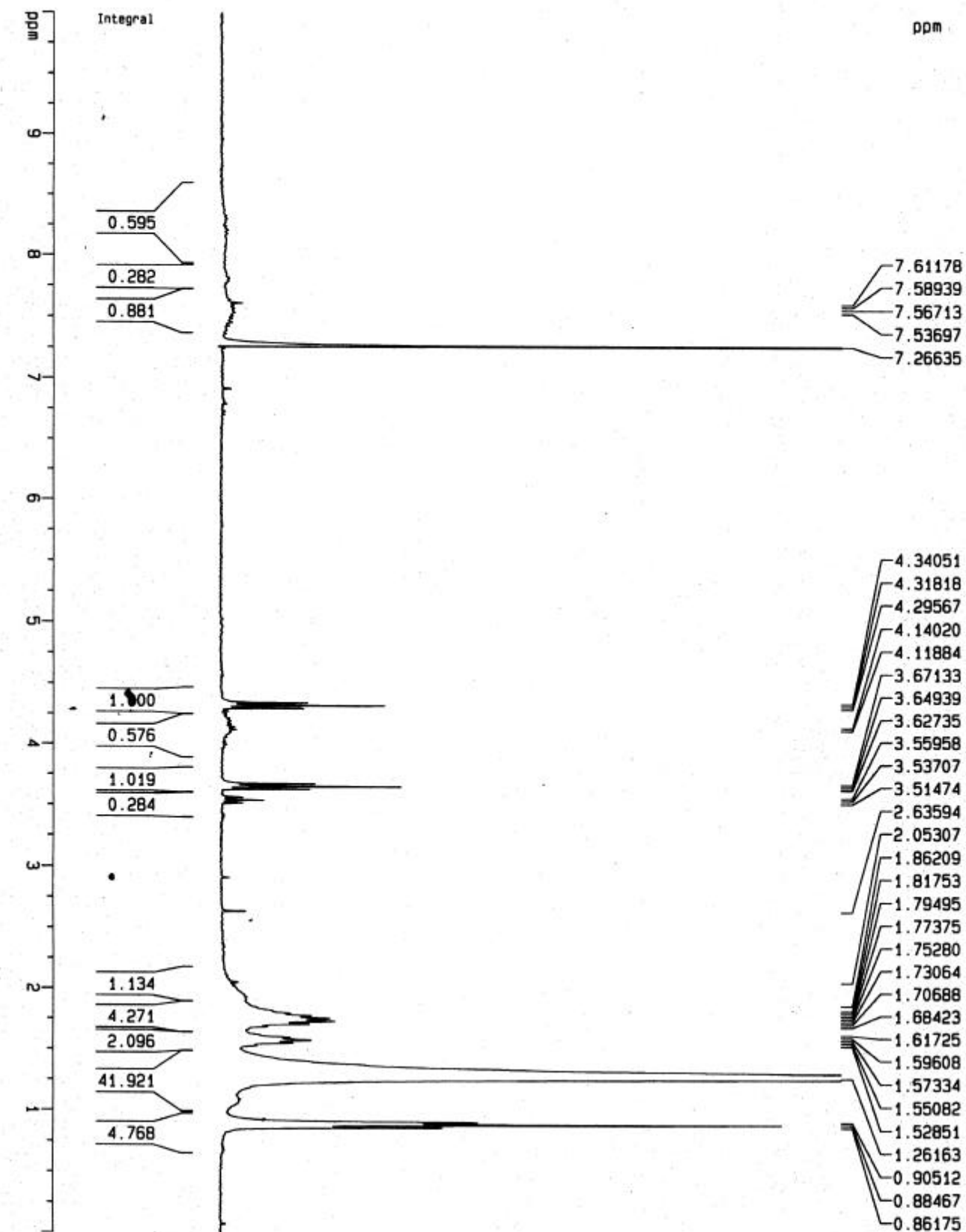




Path of File D:\data\test	Filename 16N=N.1
Sample Name	Sample Form
Date of Measurement 18/05/2001	Time of Measurement 14:24:50
Resolution 4	Signal Gain, Sample
Number of Sample Scans 20	Instrument Bruker EQUINOX55

¹H NMR of 4b

16N=N



Current Data Parameters
 NAME hou-1H
 EXPNO 6
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20010522
 Time 2.09

INSTRUM dmX300
 PROBHD BBI

PULPROG zg

TD 12048
 SOLVENT CDCl3

NS 8
 DS 0

SMH 6009.615 Hz
 FIDRES 0.498806 Hz

AQ 1.0024436 sec
 RG 256

DM 83.200 usec
 DE 4.50 usec

TE 300.0 K

D1 3.0000000 sec
 P1 5.50 usec

SFO1 300.1317272 MHz
 NUC1 1H

PL1 0.00 dB

F2 - Processing parameters

SI 8192

SF 300.1300076 MHz

MDM GM
 SSB 0

LB -0.30 Hz
 GB 0.1

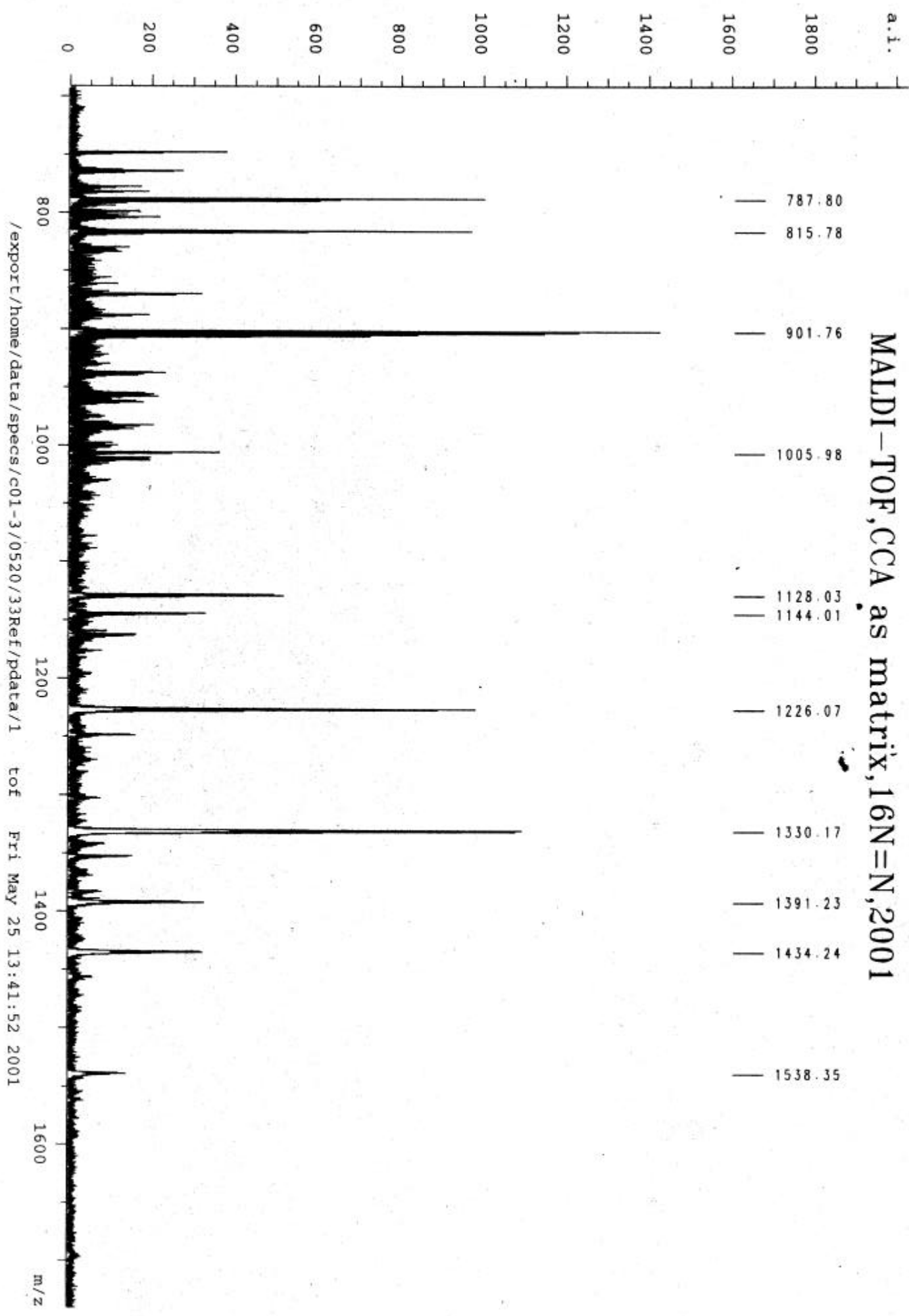
PC 0.10

1D NMR plot parameters

CX 21.50 cm

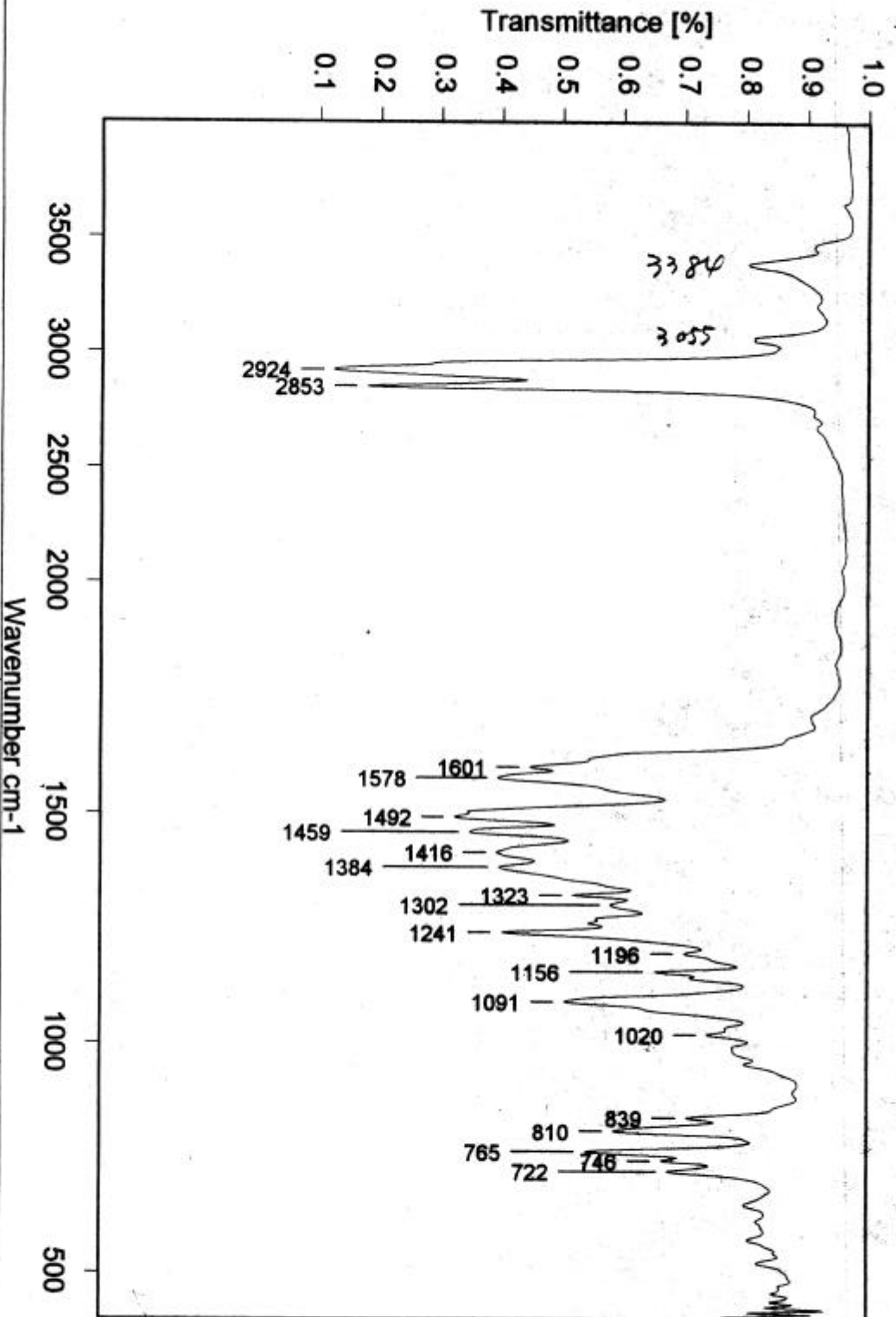
F1P 10.000 ppm
 F1 3001.30 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.46512 ppm/cm
 HZCM 139.59535 Hz/cm

MALDI-TOF, CCA as matrix, 16N=N, 2001



IR spectrum of 4c

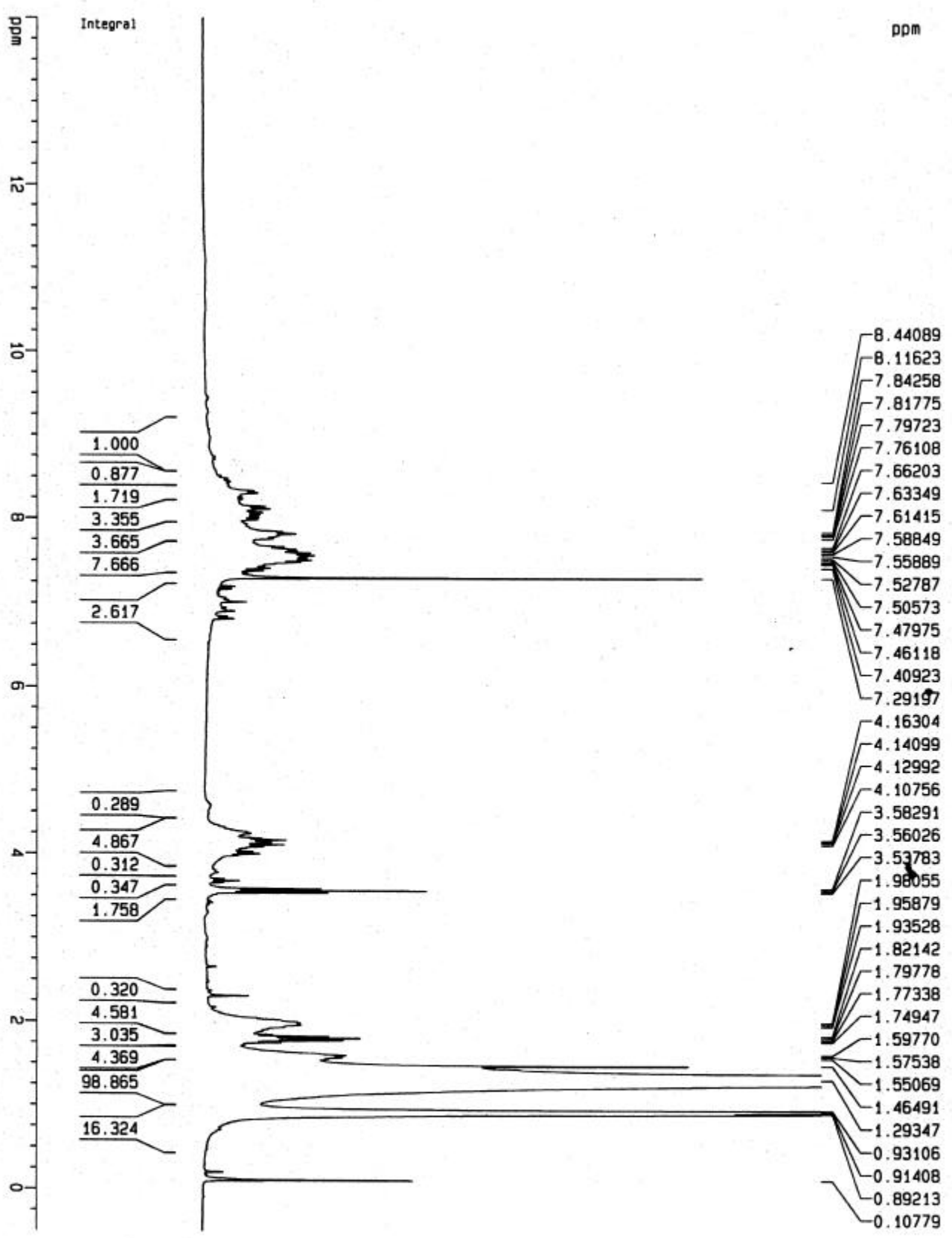
3/23/01



Path of File D:\data\test	Filename ZQT14N=N.0
Sample Name sample	Sample Form sample form
Date of Measurement 23/03/2001	Time of Measurement 15:52:35
Resolution 4	Signal Gain, Sample
Number of Sample Scans 16	Instrument Bruker EQUINOX55

¹H NMR of 4c

14N=N



Current Data Parameters
 NAME hou-1H
 EXPNO 18
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20010521
 Time 9.27
 INSTRUM dm300
 PROBNM BBI

PULPROG zg
 TD 12048
 SOLVENT CDCl3
 NS 8
 DS 0
 SMH 8992.806 Hz
 FIDRES 0.746415 Hz
 AQ 0.6699188 sec
 RG 64
 DM 55.600 usec
 DE 4.50 usec
 TE 300.0 K
 D1 3.00000000 sec
 P1 5.50 usec
 SF01 300.1319571 MHz
 NUC1 1H
 PL1 0.00 dB

F2 - Processing parameters
 SI 8192
 SF 300.1299998 MHz
 MDW GM
 SSB 0
 LB -0.30 Hz
 GB 0.1
 PC 0.10

1D NMR plot parameters
 CX 21.50 cm
 F1P 14.000 ppm
 F1 4201.82 Hz
 F2P -0.500 ppm
 F2 -150.07 Hz
 PPMCM 0.67442 ppm/cm
 HZCM 202.41325 Hz/cm

MS of 4c

MALDI-TOF, 14N=N, CCA, 2001, 4, 5

