

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: CDCl₃

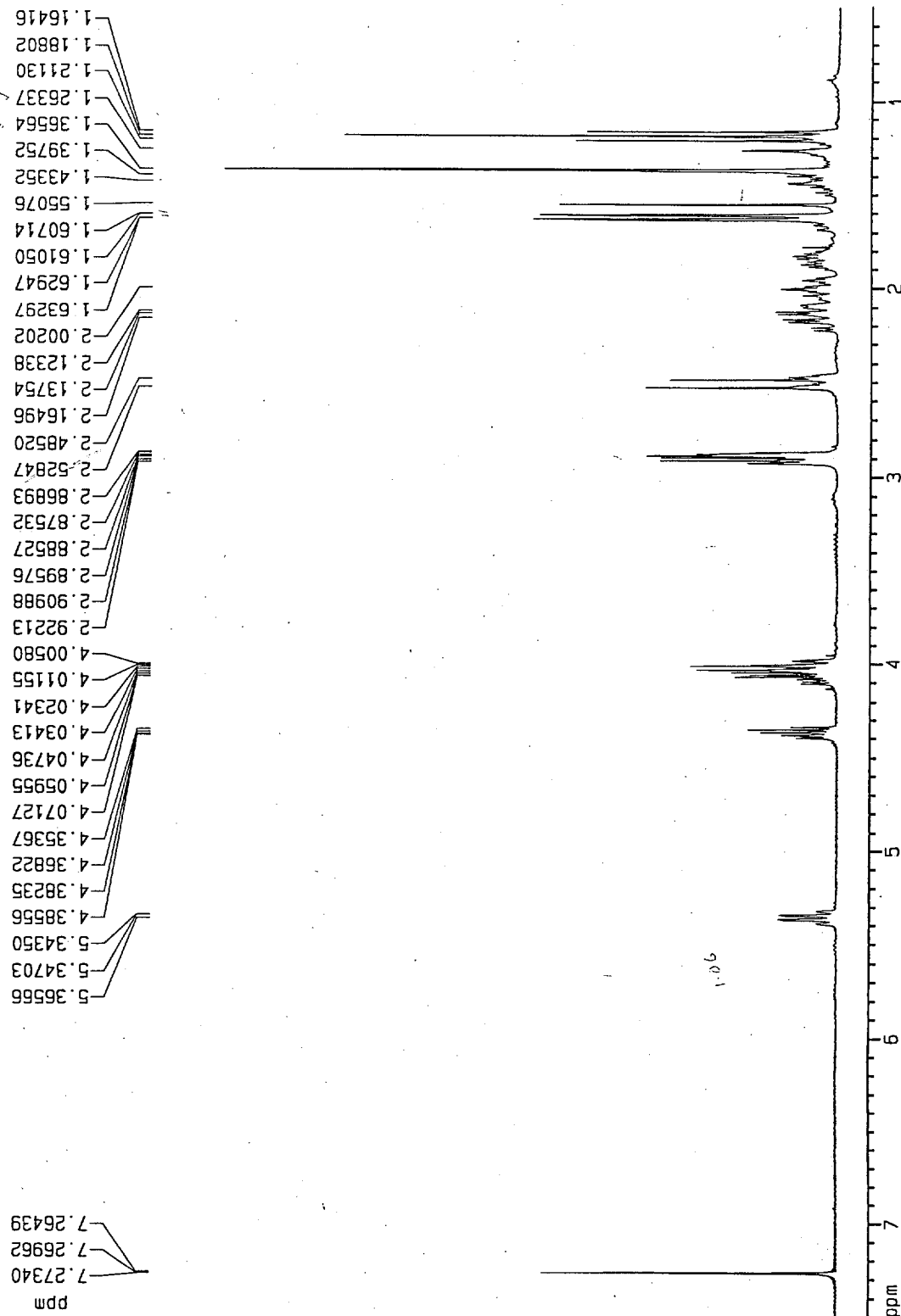
15 (R=Me)

Current Data Parameters
USER Qiao
NAME 61106vy1
EXPNO 1
PROCNO 1

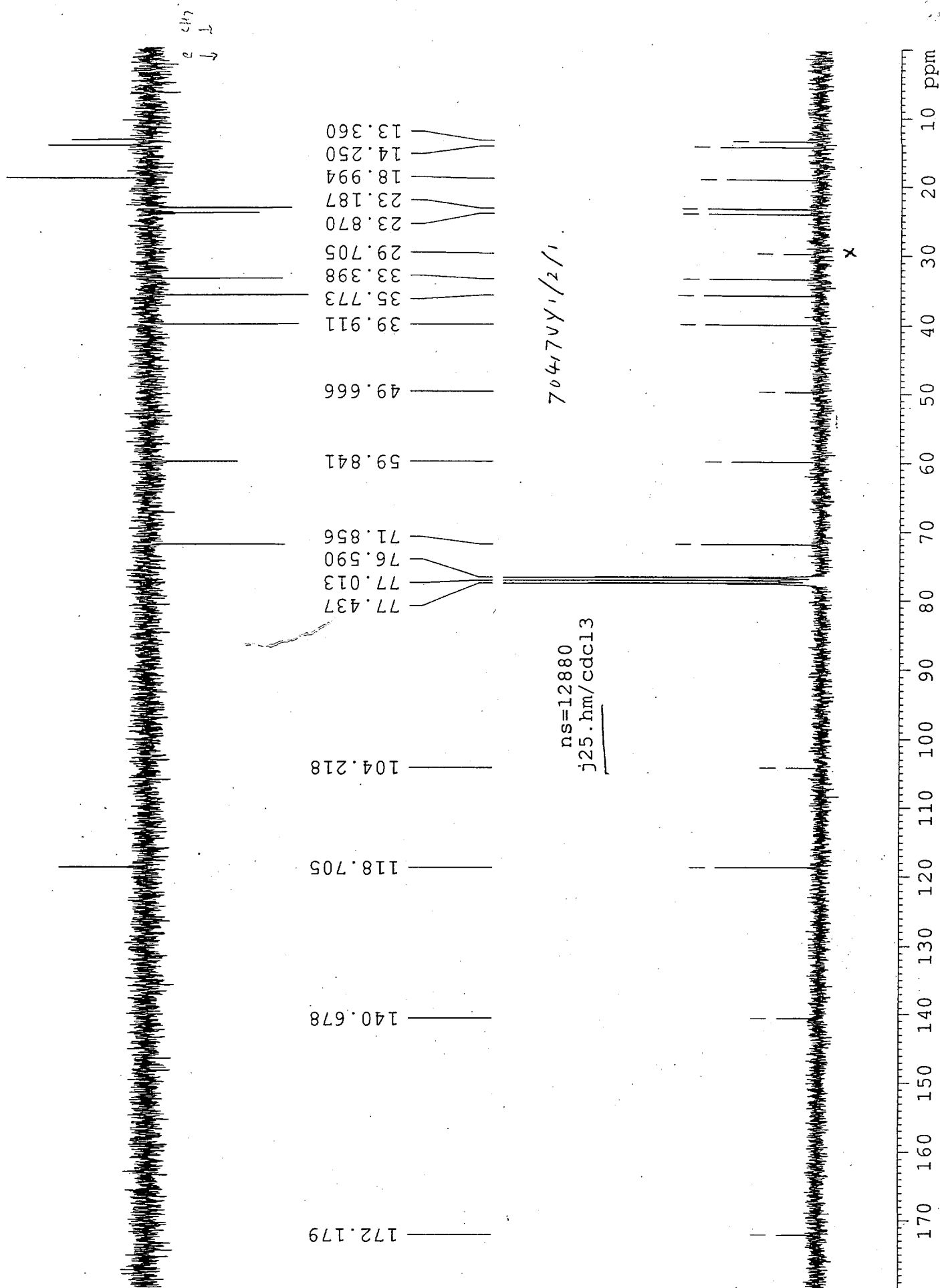
F2 - Acquisition Parameters
Date 500000
Time 19.58
PULPROG zg30
SOLVENT CDCl₃
AQ 1.9497701 sec
FIDRES 0.256472 Hz
DQ 500000.0 usec
RG 2048
NUCLEUS 1H
HL1 0 dB
D1 0.5000000 sec
P1 5.8 usec
DE 148.7 usec
SF01 300.1383000 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 16384
SF 300.1370067 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00
BF1 300.1365000 MHz
SR 506679296.00 Hz

1D NMR plot parameters
CX 20.00 cm
F1P 7.500 ppm
F1 2251.03 Hz
F2P 0.500 ppm
F2 150.07 Hz
PPMCM 0.35000 ppm/cm
HZCM 105.04795 Hz/cm



15C R=1.02



1.5 (R=Me)
13C

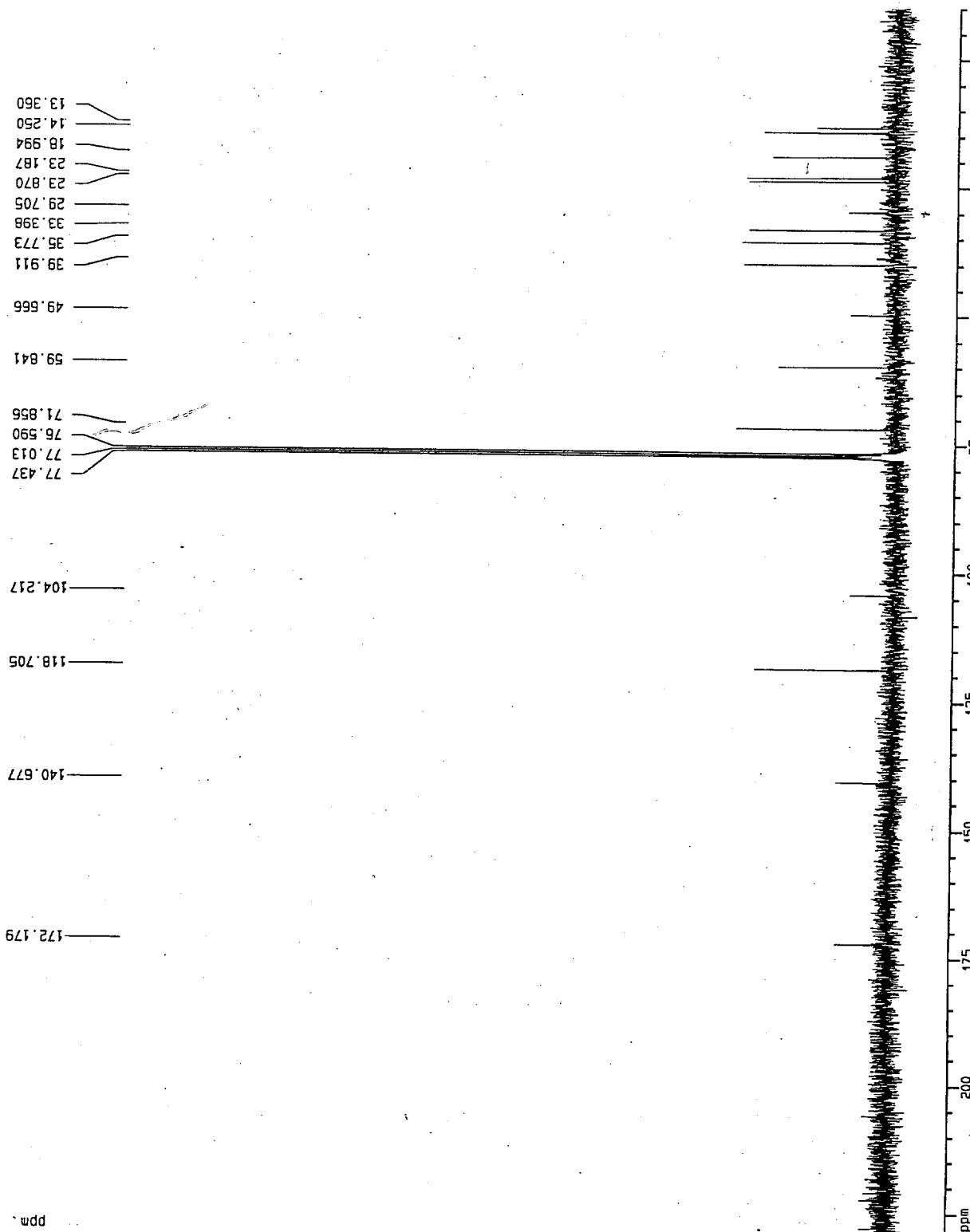
ns=12880
j25.hm/cdc13

Current Data Parameters
USER Qiao
NAME 70417vy1
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 970418
Time 9.43
INSTRUM amx300
PROBHD 5 mm Multinu
PULPROG zgpg30
TD 32768
SOLVENT cdc13
NS 52458
DS 0
SWH 18115.941 Hz
FIDRES 0.552855 Hz
AQ 0.9044520 sec
RG 32768
DW 27.500 usec
DE 100.00 usec
TE 300.0 K
D11 30.0000000 sec
CPDPRG waltz16
P31 72.00 usec
S2 22 dB
HL1 1 dB
D1 0.50000000 sec
P1 13.00 usec
DE 100.00 usec
SF01 75.4776863 MHz
NUCLEUS ¹³C

F2 - Processing parameters
SI 32768
SF 75.4695089 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
SR 155.92 Hz

1D NMR plot parameters
CX 20.00 cm
F1P 230.000 ppm
F1 17357.98 Hz
F2P -10.000 ppm
F2 -754.70 Hz
PPMCM 12.00000 ppm/cm
HZCM 905.63403 Hz/cm



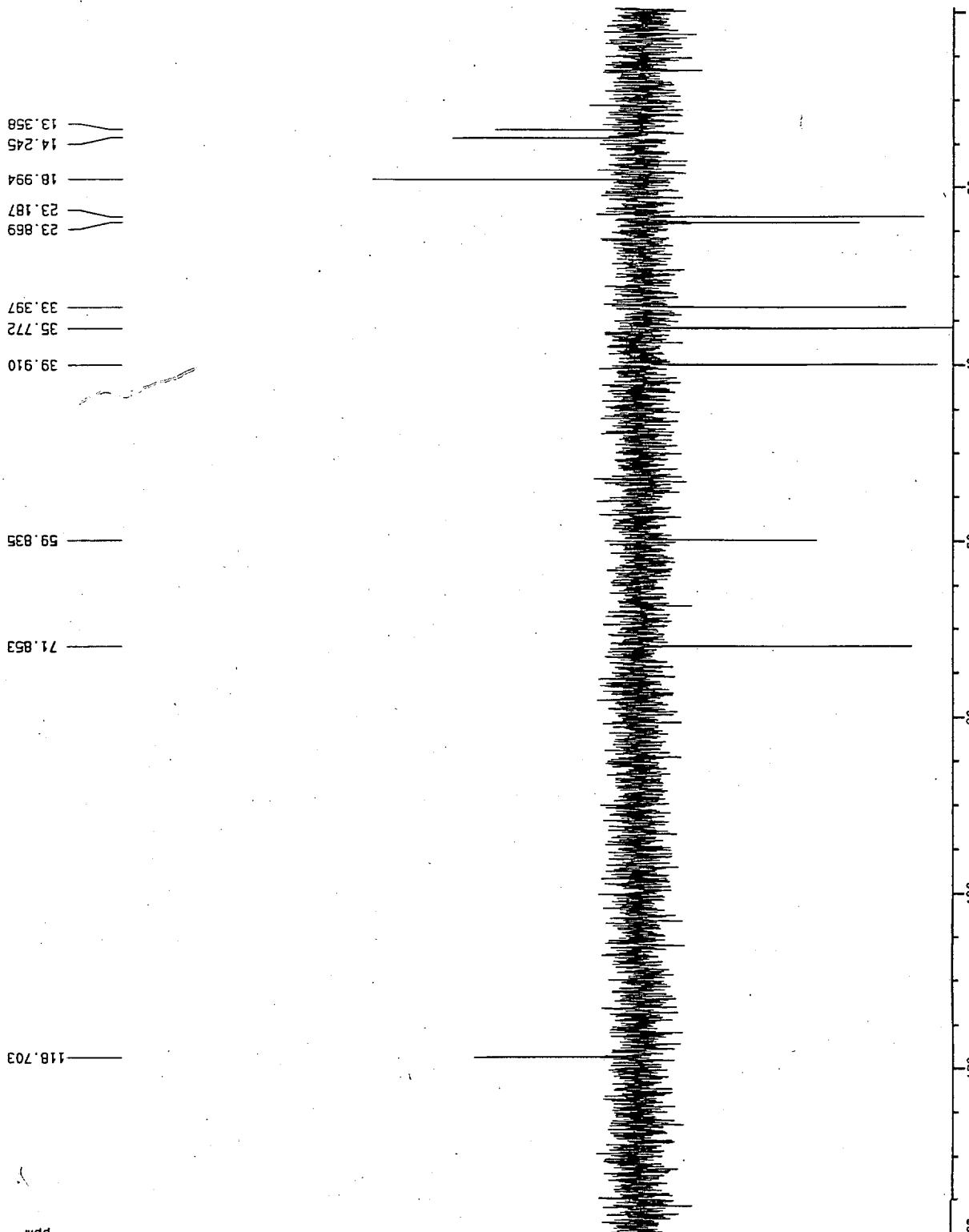
15(R=Me)
13C

Current Data Parameters
 USER qiao
 NAME 61204yv1
 EXPNO 5
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 961205
 Time 5.01
 INSTRUM amx300
 PROBHD 5 mm Multinu
 PULPROG dept135
 TO 32768
 SOLVENT C6D6
 NS 5000
 DS 0
 SMH 18115.941 Hz
 FIDRES 0.552855 Hz
 AQ 0.9044520 sec
 RG 32768
 JW 27.600 usec
 JE 100.00 usec
 TE 300.0 K
 P1 13.00 usec
 P3 5.60 usec
 CNST2 145.000000
 IL1 22 dB
 J1 1.00000000 sec
 S1 0 dB
 SF02 300.1383008 MHz
 JECONC 1H
 J2 3448.2758789 sec
 P4 11.6 usec
 P2 26.0 usec
 J13 0.0000040 sec
 S2 22 dB
 JE 100.00 usec
 SF01 75.4776863 MHz
 NUCLEUS 13C
 CPDPRG waltz16
 P31 72.00 usec

F2 - Processing parameters
 S1 32768
 SF 75.4695089 MHz
 WDW EM
 SSB 0
 B 1.00 Hz
 GB 0
 GC 1.40
 SR 155.92 Hz

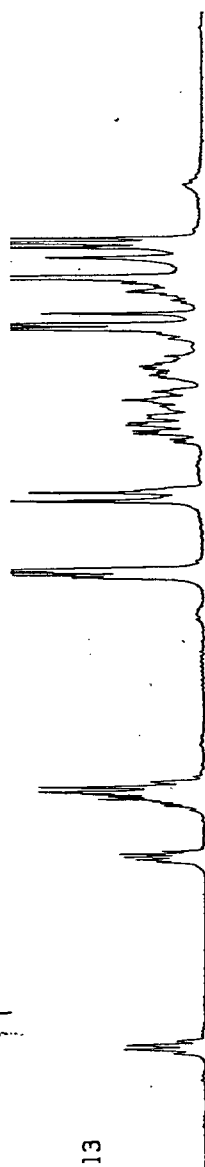
1D NMR plot parameters
 CX 20.00 cm
 FIP 140.000 ppm
 F1 10565.73 Hz
 F2P -0.500 ppm
 F2 -37.73 Hz
 PPMCM 7.02500 ppm/cm
 FZCM 530.17328 Hz/cm



15 (R=Me)
HMQC

V Yadav J25.hm/cdc13

HMQC



Current Data Parameters
UCB Name q1no
EXPNO 612044y1
PROCNO 4

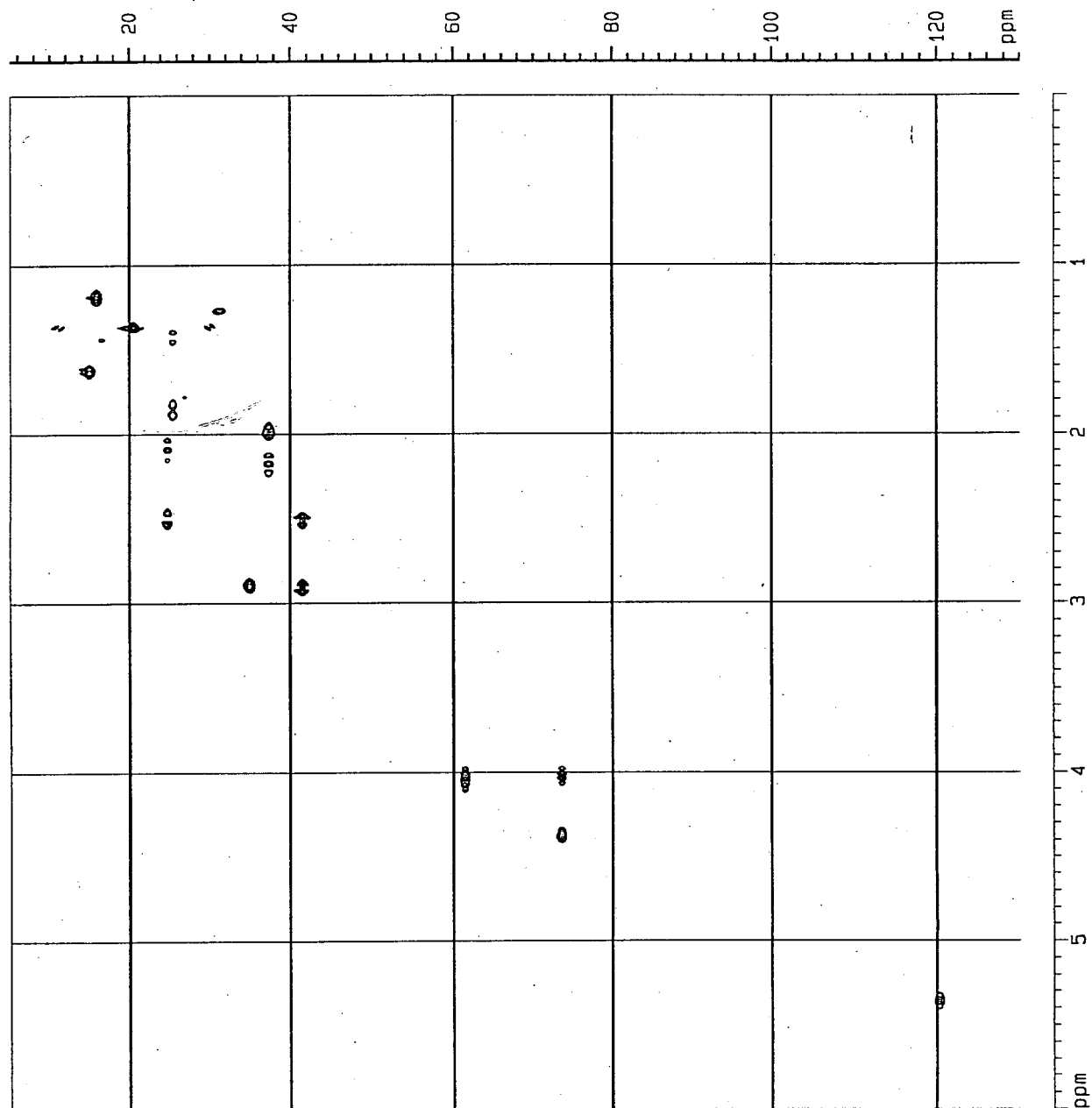
F2 - Acquisition Parameters
Date 500000
Time 20.00
PULPROG jvprg13
SOLVENT CHCl3
AQ 0.22/0.740 sec
FIDRES 2.198475 Hz
DM 500000 0 usec
RG 4096
NUCLEUS 1H
H1 0 dB
D1 1.0000000 sec
P1 5.8 usec
D2 0.0036000 sec
OL0 10.00 dB
P2 11.8 usec
P4 23.0 usec
SF02 75.4761795 MHz
D7 0.4000000 sec
P3 11.5 usec
D0 0.0000030 sec
D13 0.0000030 sec
DL5 24.00 dB
DE 317.3 usec
SF01 300.1381309 MHz
NUCLEUS 1H
P31 78.0 usec
IN0 0.0000184 sec

F1 - Acquisition parameters
ND0 4
TD 512
SF01 75.47618 MHz
FIDRES 26.534639 Hz
SM 100.000 ppm

F2 - Processing Parameters
SI 1024
SF 300.1370054 MHz
WDW 0.5INE
SSB 2
LB 0.00 Hz
GB 0
PC 1.00
RF1 300.1365000 MHz
SR 505400000.00 Hz

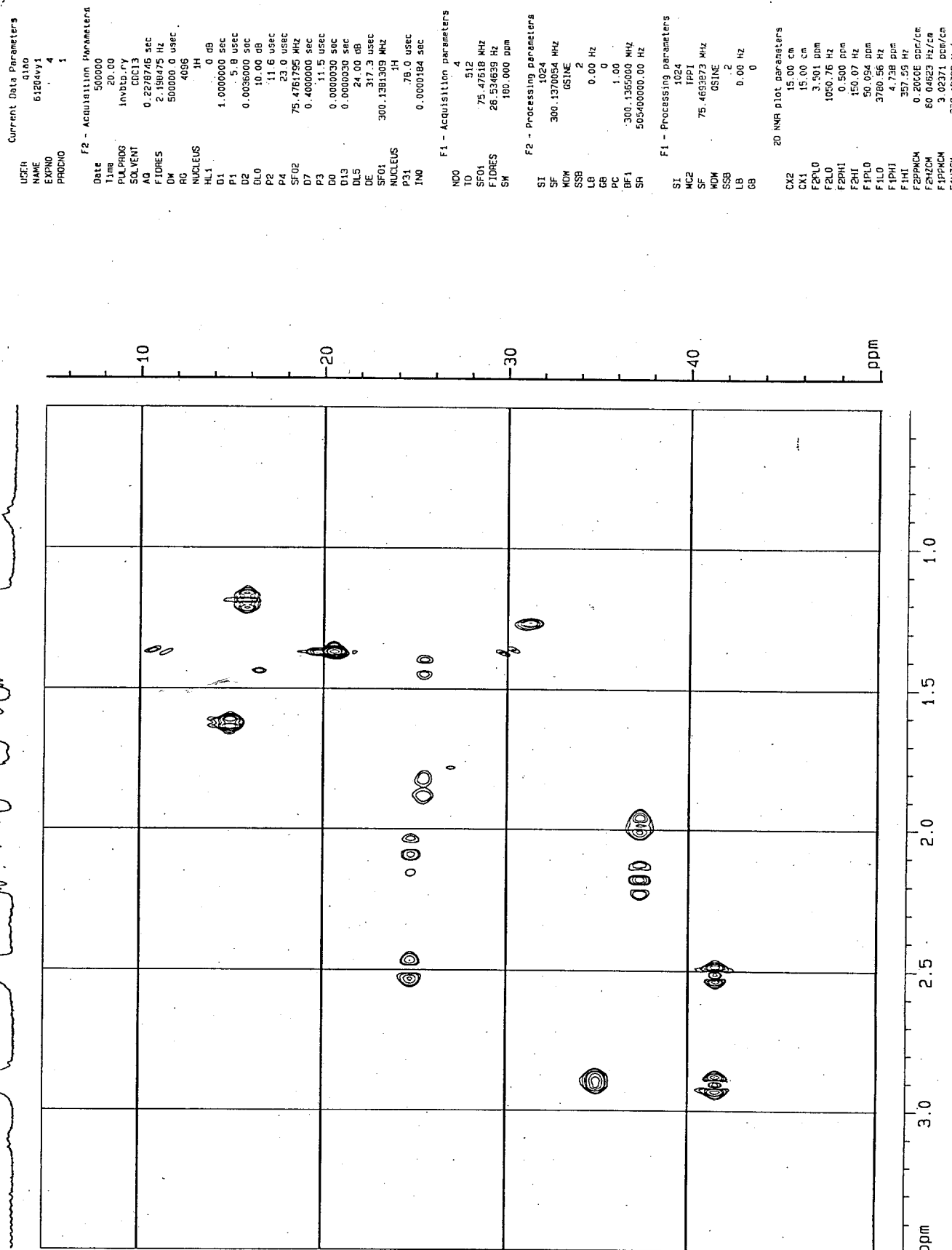
F1 - Processing parameters
SI 1024
WDW 0.5INE
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 15.00 cm
CX1 15.00 cm
F2PL0 6.000 ppm
F2LO 1800.82 Hz
F2PH1 0.000 ppm
F2H1 -0.11 Hz
F1PL0 130.000 ppm
F1LO 9811.02 Hz
F1PH1 5.000 ppm
F1H1 377.35 Hz
F2PMCH 0.40002 ppm/cm
F2H2CH 120.00206 Hz/cm
F1PMCH 6.31333 ppm/cm
F1H2CH 628.81452 Hz/cm



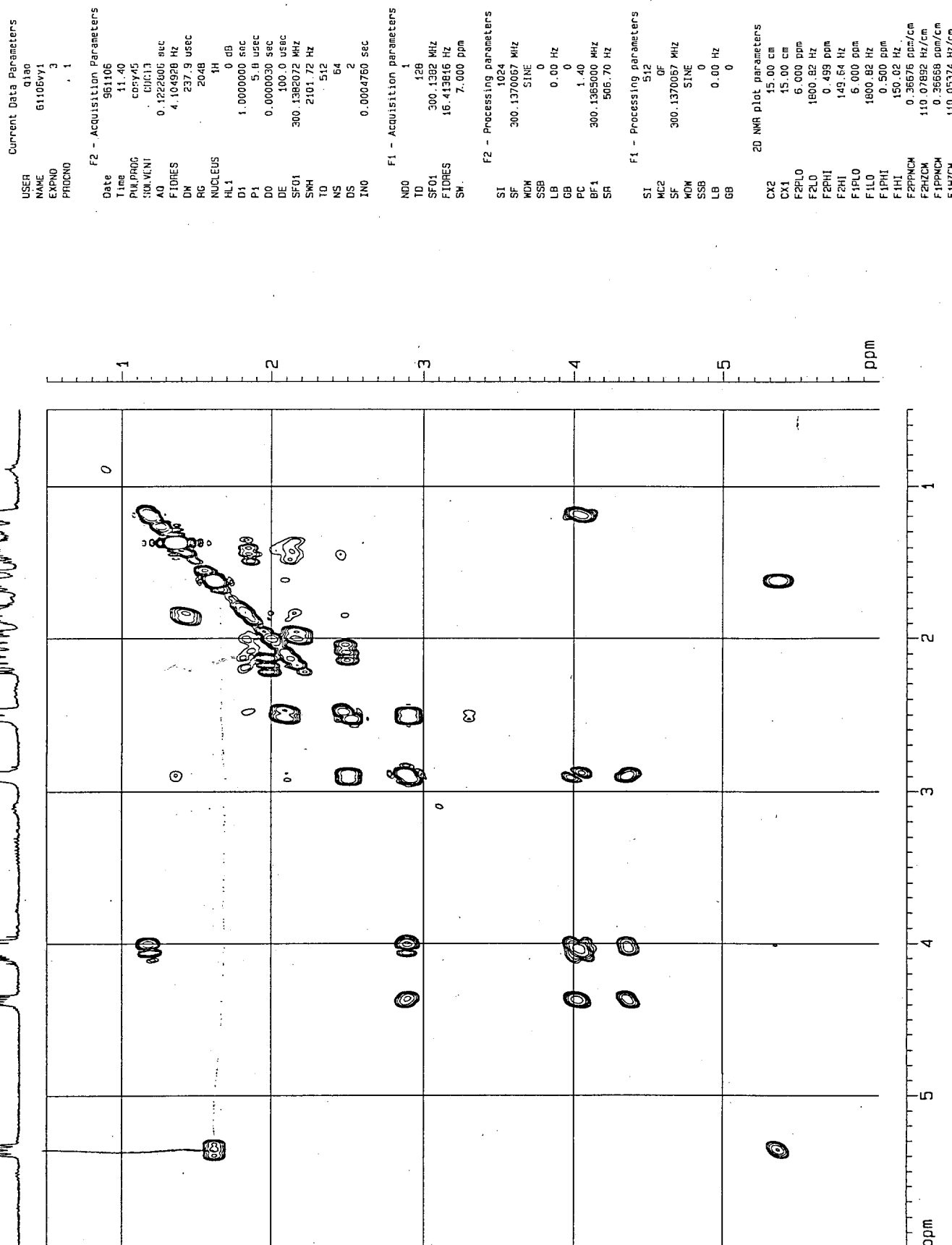
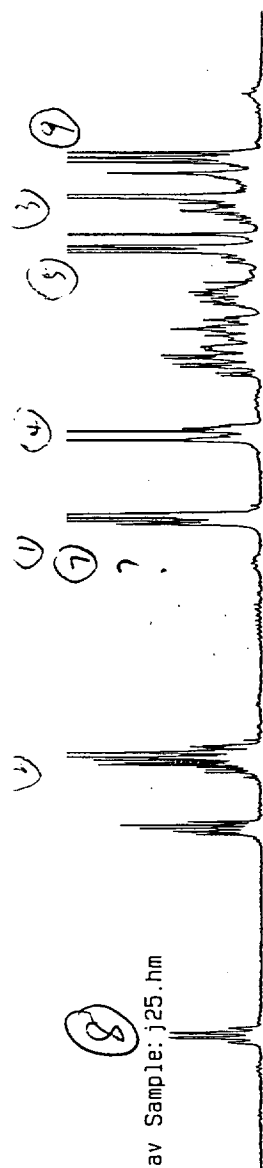
15 (R=Me)
HMBC

V Yadav J25.hm/cdcl3



15(R=Me)
COSY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: CDCl₃



15CR=N-2
COSY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: CDCl3

Current Data Parameters

USER Name
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date 961106
Time 11.40
PULPROG cosy45
SOLVENT CDCl3
AQ 0.1222000 sec
FIDRES 4.104920 Hz
DM 237.9 usec
RG 2048
NUCLEUS 1H
H1 0 dB
D1 1.0000000 sec
P1 5.8 usec
D0 0.0000030 sec
DE 100.0 usec
SF01 300.1382072 MHz
SWH 2101.72 Hz
TD 512
DS 64
OS 2
IN0 0.0004750 sec

F1 - Acquisition Parameters

NUC 128
TD 128
SF01 300.1382 MHz
FIDRES 16.413816 Hz
SN 7.000 ppm

F2 - Processing parameters

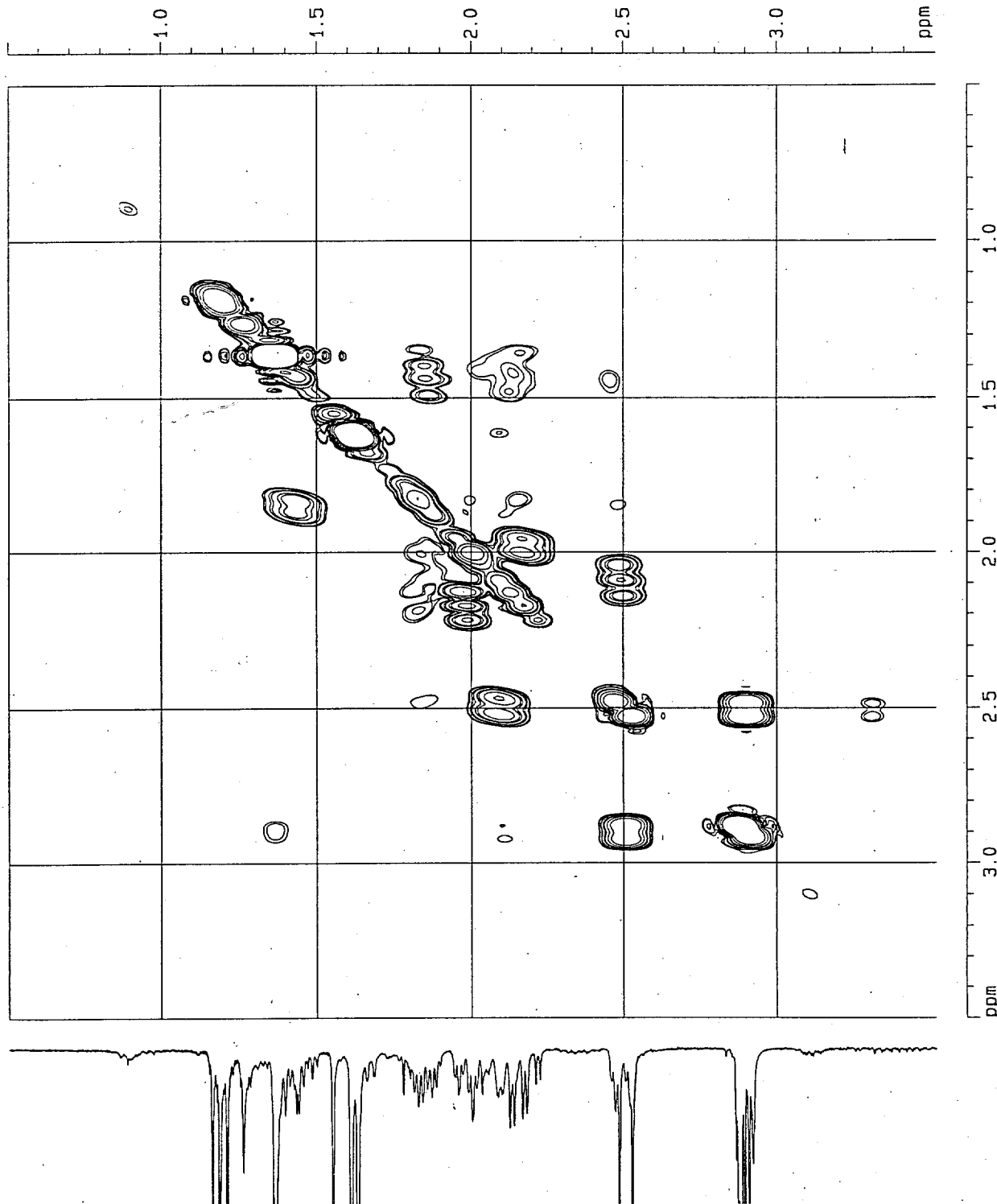
SI 1024
SF 300.1370067 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.40
BF1 300.1355000 MHz
SR 505.70 Hz

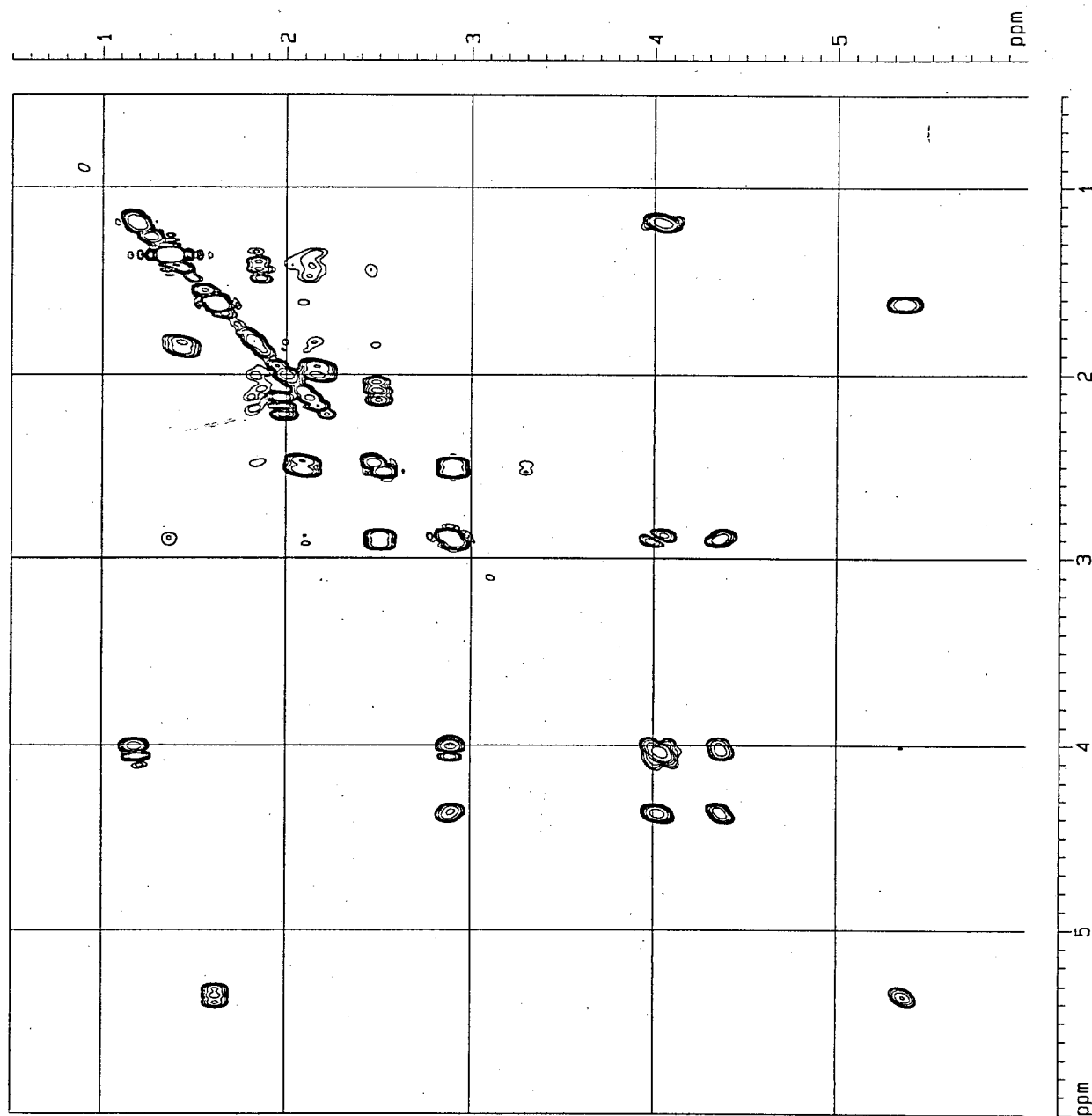
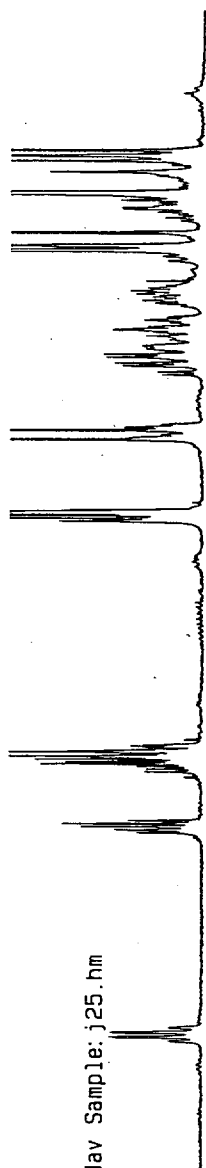
F1 - Processing parameters

SI 512
MC2 0
SF 300.1370067 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters

CX2 15.00 cm
CX1 15.00 cm
F2PLO 3.500 ppm
F2LO 1050.48 Hz
F2PHI 0.500 ppm
F2HI 150.07 Hz
F1PLO 3.500 ppm
F1LO 1050.48 Hz
F1PHI 0.500 ppm
F1HI 150.07 Hz
F2PPMCM 0.20000 ppm/cm
F2HZCM 60.02740 Hz/cm
F1PPMCM 0.20000 ppm/cm
F1HZCM 60.02740 Hz/cm



15 (R=77e)
cosyDr. Veejendra K Yadav Sample: j25.hm
Solvent: CDCl₃

Current Data Parameters

USER	qlao
NAME	61106vy1
EXPNO	3
PROCNO	1

F2 - Acquisition Parameters

Date_	961106
Time	11:40
PULPROG	cosy45
SOLVENT	CDCl ₃
AD	0.122806 sec
FIDRES	4.104928 Hz
DM	237.9 usec
RG	2048
NUCLEUS	¹ H
HL1	0 dB
D1	1.0000000 sec
P1	5.8 usec
D0	0.0000030 sec
DE	100.0 usec
SFO1	300.1362072 MHz
SNH	2101.72 Hz
TD	512
NS	64
DS	2
IN0	0.0004760 sec

F1 - Acquisition parameters

NU0	1
TD	128
SFO1	300.1362 MHz
FIDRES	16.413816 Hz
SN	7.000 ppm

F2 - Processing parameters

SI	1024
SF	300.1370067 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0
PC	1.40
BF1	300.1365000 MHz
SR	506.70 Hz

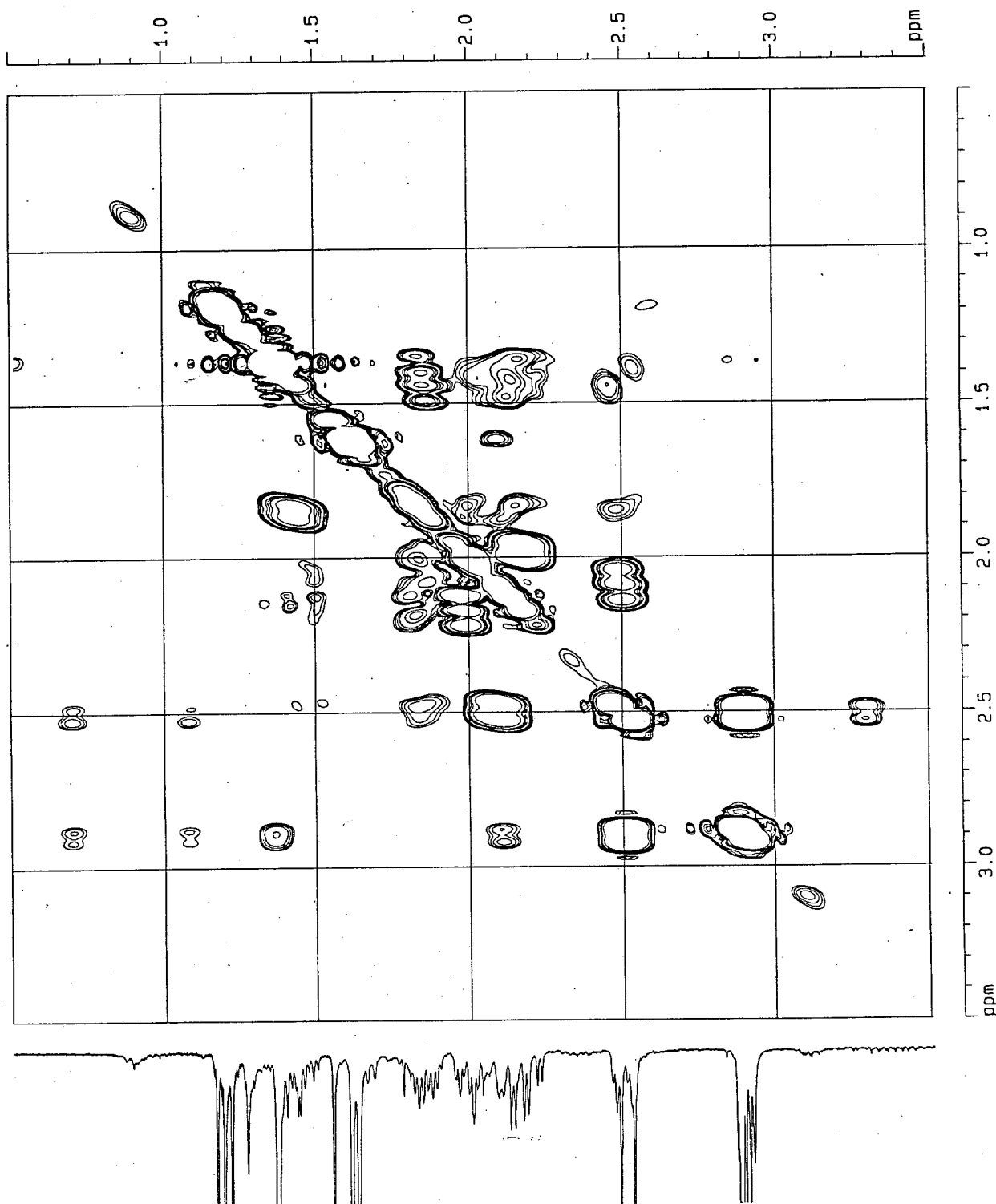
F1 - Processing parameters

SI	512
MC2	OF
SF	300.1370067 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0

2D NMR plot parameters

CX2	15.00 cm
CX1	15.00 cm
F2PLO	6.000 ppm
F2LO	1600.82 Hz
F2PHI	0.495 rad
F2H1	149.64 Hz
F1PLO	6.000 ppm
F1LO	1600.82 Hz
F1PHI	0.500 rad
F1H1	150.02 Hz
F2PPMCH	0.36676 ppm/cm
F2HZCM	110.07852 Hz/cm
F1PPMCH	0.36668 ppm/cm
F1HZCM	110.05374 Hz/cm

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: CDC13



15 (R=H₂)
COSY

Current Data Parameters
USER qiao
NAME 61105v1
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date 961105
Time 11.40
PULPROG cosy45
SOLVENT CDC13
AQ 0.1222605 sec
FIDRES 4.104928 Hz
DQ 237.9 usec
RG 2048
NUCLEUS 1H
D1 0 dB
D1 1.0000000 sec
P1 5.8 usec
D0 0.0000030 sec
DE 100.0 usec
SF01 300.1362072 MHz
SWH 2101.72 Hz
TD 512
NS 64
DS 2
INQ 0.0004760 sec

F1 - Acquisition Parameters
NU0 1
TD 128
SF01 300.1382 MHz
FIDRES 16.413815 Hz
SW 7.000 ppm

F2 - Processing parameters
SI 1024
SF 300.1370057 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.40
BE1 300.1365000 MHz
SR 505.70 Hz

F1 - Processing parameters
SI 512
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 15.00 cm
CX1 15.00 cm
F2PLO 3.501 ppm
F2LO 1050.67 Hz
F2PHI 0.499 ppm
F2HI 149.64 Hz
F1PLO 3.508 ppm
F1LO 1052.78 Hz
F1PHI 0.500 ppm
F1HI 150.02 Hz
F2PRCM 0.20014 ppm/cm
F2HZCM 50.06879 Hz/cm
F1PRCM 0.20052 ppm/cm
F1HZCM 50.18339 Hz/cm

100%
15CR=Me
ROESY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: cdcl3

Current Data Parameters
USER Q180
NAME 61122WV1
EXPNO 12
PROCNO 1

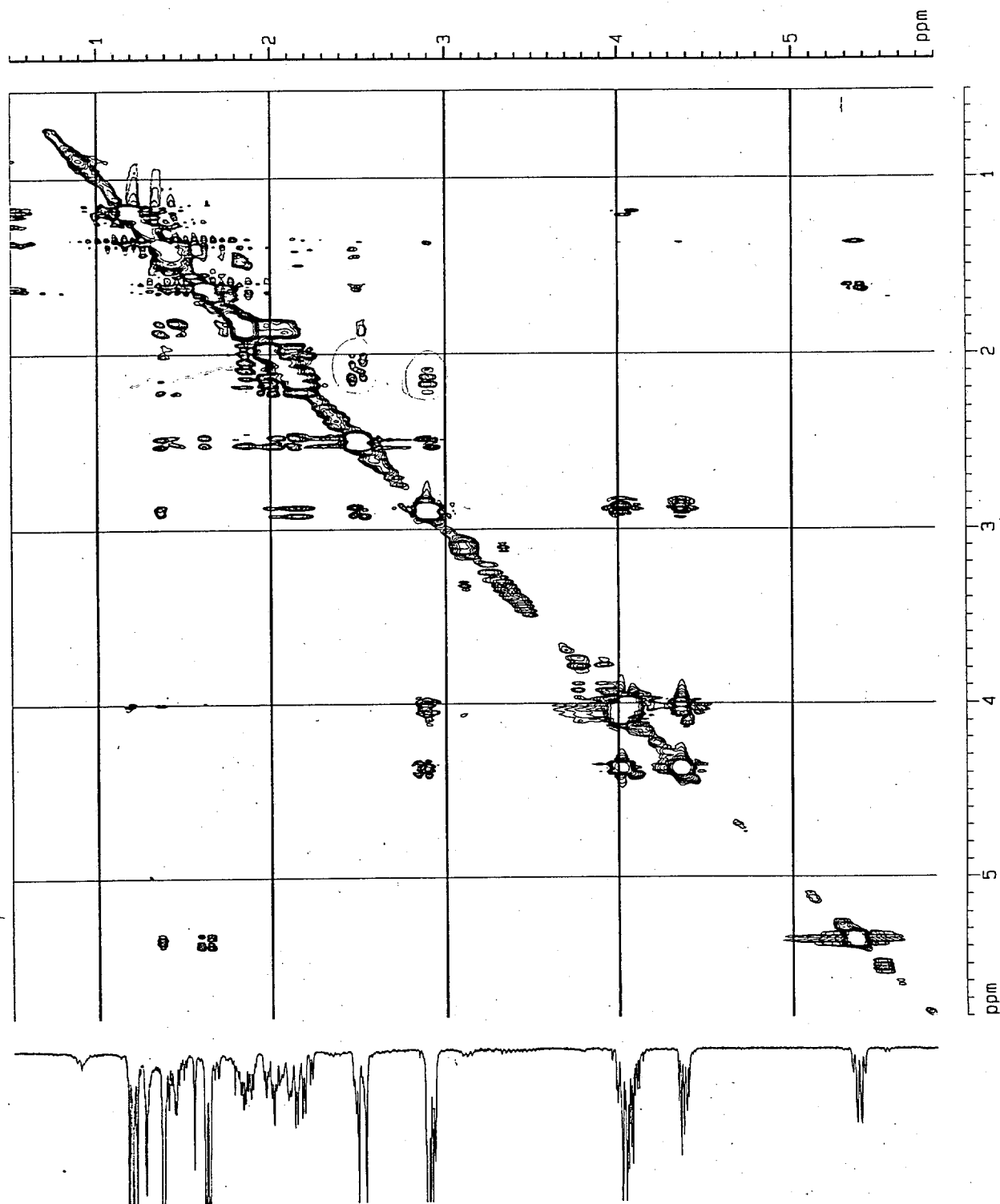
F2 - Acquisition Parameters
Date 500000
Time 19.56
PULPROG roesy1d
SOLVENT ~~cdcl3~~
AQ 0.244064 sec
FIDRES 2.052464 Hz
DM 500000.0 usec
RG 4096
NUCLEUS 1H
HL1 0 dB
D1 1.5000000 sec
D12 0.000200 sec
P1 5.0 usec
D13 0.000030 sec
D0 0.000030 sec
HL4 30 dB
P15 400000.0 usec
DE 100.0 usec
SF01 300.1362072 MHz
NUCLEUS 1H
IN0 0.0002360 sec

F1 - Acquisition Parameters
N00 2
TD 256
SF01 300.1362 MHz
FIDRES 8.206504 Hz
SN 7.000 ppm

F2 - Processing Parameters
SI 1024
SF 300.1370064 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
BF1 300.1365000 MHz
SR 506400000.00 Hz

F1 - Processing Parameters
SI 1024
MC2 TPPI
SF 300.1371367 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 15.00 cm
CX1 15.00 cm
F2PLO 5.500 ppm
F2LO 1740.79 Hz
F2PHI 0.500 ppm
F2H1 149.94 Hz
F1PLO 5.800 ppm
F1LO 1740.79 Hz
F1PHI 0.500 ppm
F1H1 150.02 Hz
F2PNCM 0.35336 ppm/cm
F2HZCM 106.05709 Hz/cm
F1PNCM 0.35334 ppm/cm
F1HZCM 106.05168 Hz/cm



HS-CR-1
ROESY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: cdc13

Current Data Parameters
USER g180
NAME 61122v1
EXPNO 12
PROCNO 1

F2 - Acquisition Parameters

Date 500000
Time 13.36
PULPROG zgpg30
SOLVENT dms-d₆
AQ 0.2440034 sec
FIDRES 2.052464 Hz
DQ 500000.0 usec
RG 4096
NUCLEUS 1H
HL1 0 dB
D1 1.5000000 sec
D12 0.0000200 sec
P1 5.8 usec
D13 0.0000030 sec
D0 0.0000030 sec
HL4 30 dB
P15 400000.0 usec
DE 100.0 usec
SF01 300.1362072 MHz
NUCLEUS 1H
INQ 0.0002360 sec

F1 - Acquisition Parameters

ND0 2
TD 256
SF01 300.1362 MHz
FIDRES 8.206904 Hz
SW 7.000 ppm

F2 - Processing Parameters

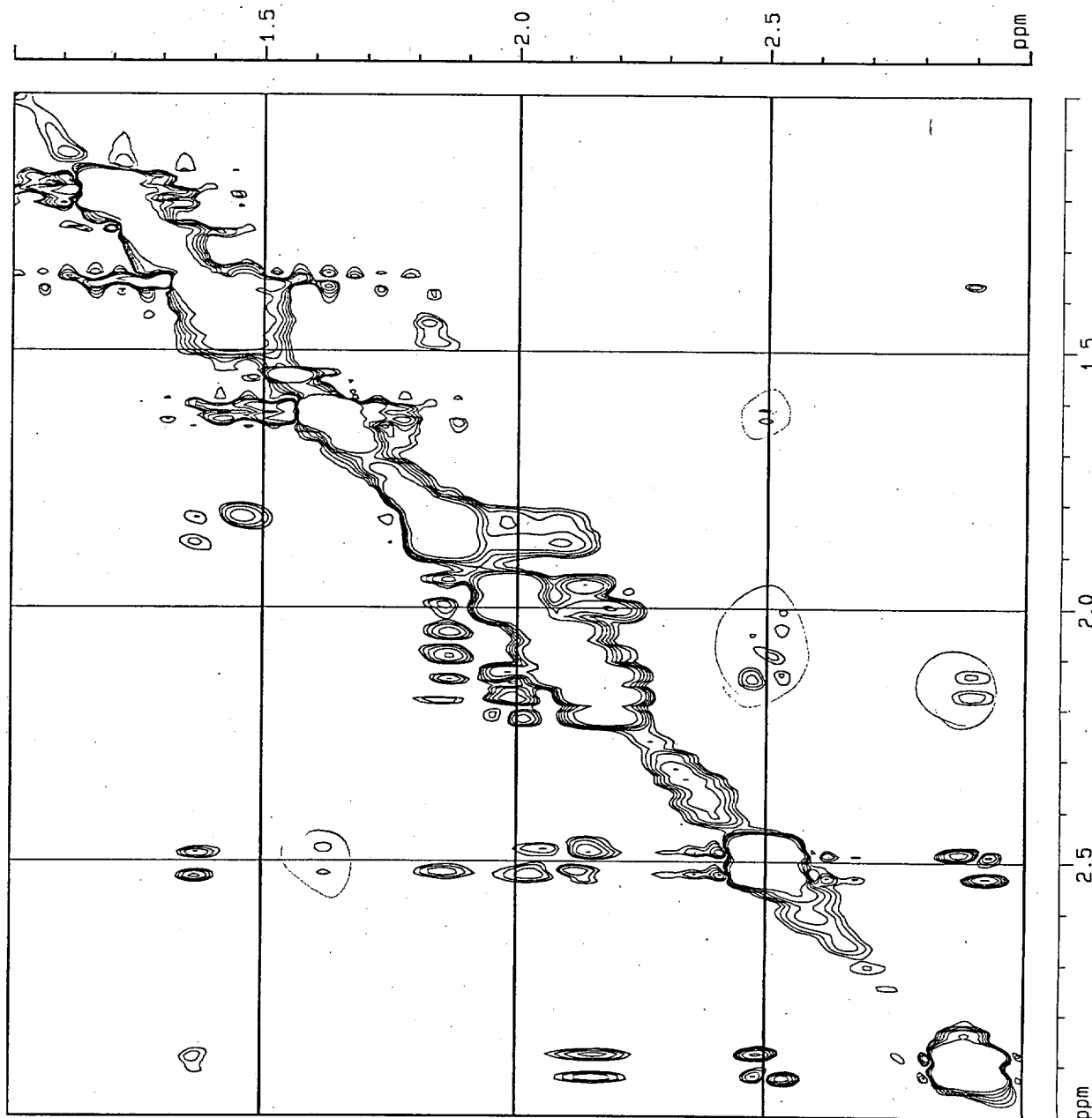
SI 1024
SF 300.1370064 MHz
WDW USINE
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
BF1 300.1355000 MHz
SR 50640000.00 Hz

F1 - Processing Parameters

SI 1024
PC2 TPPI
SF 300.1370067 MHz
WDW USINE
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters

CX2 15.00 cm
CX1 15.00 cm
F2PLO 3.002 ppm
F2LO 901.14 Hz
F2PHI 0.999 ppm
F2HI 299.77 Hz
F1PLO 3.002 ppm
F1LO 900.55 Hz
F1PHI 0.999 ppm
F1HI 299.79 Hz
F2PPMCM 0.13358 ppm/cm
F2HZCM 40.09146 Hz/cm
F1PPMCM 0.13353 ppm/cm
F1HZCM 40.07705 Hz/cm



15C(R=me)
ROESY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: cdcl3

Current Data Parameters

USER	NAME	EXPNO	PROCNO
	5105411	5	1

F2 - Acquisition Parameters

Date	981108
Time	18.23
PULPROG	roesy10
SOLVENT	dmso-d6
AD	0.2440564 sec
FIDRES	2.052464 Hz
DM	237.9 usec
RG	4096
NUCLEUS	¹ H
HL1	0 dB
D1	1.0000000 sec
D12	0.0000200 sec
P1	5.8 usec
D13	0.0000030 sec
D0	0.0000030 sec
HL4	30 dB
P15	500000.0 usec
DE	100.0 usec
SF01	300.1362072 MHz
SHH	2101.72 Hz
TO	1024
NS	112
DS	4
IN0	0.0002360 sec

F1 - Acquisition Parameters

ND0	2
TD	255
SF01	300.1362 MHz
FIDRES	8.206904 Hz
SW	7.000 ppm

F2 - Processing Parameters

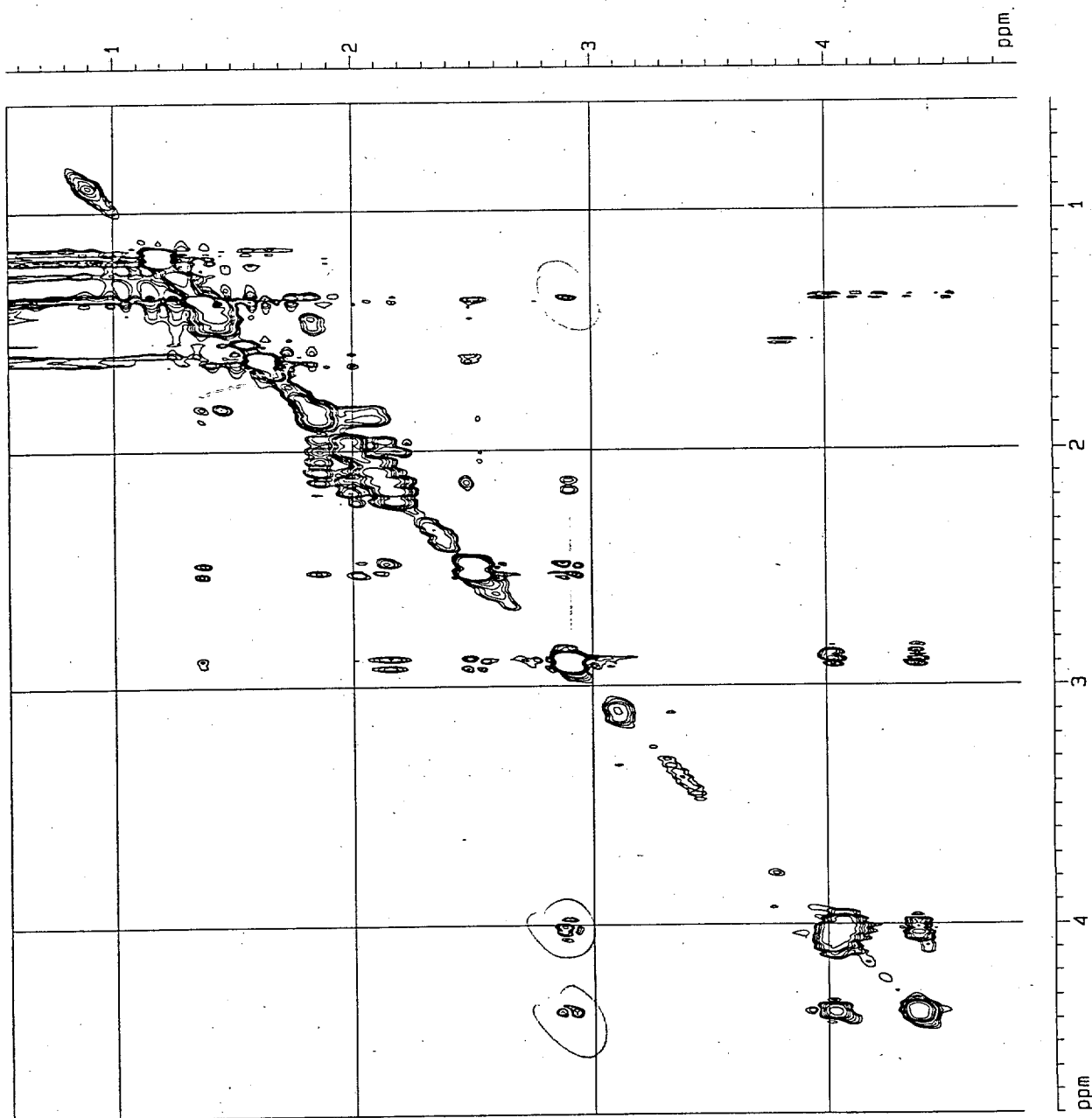
SI	1024
SF	300.1370057 MHz
NDM	OSINE
SSB	2
LB	0.00 Hz
GB	0
PC	1.40
HF1	300.1370000 MHz
SR	500.70 Hz

F1 - Processing Parameters

SI	1024
MC2	TPPI
SF	300.1370057 MHz
NDM	OSINE
SSB	2
LB	0.00 Hz
GB	0

2D NMR plot parameters

CX2	15.00 cm
CX1	15.00 cm
F2PLO	4.800 ppm
F2LO	1440.66 Hz
F2PHI	0.546 ppm
F2HI	164.01 Hz
F1PLO	4.800 ppm
F1LO	1440.66 Hz
F1PHI	0.546 ppm
F1HI	164.38 Hz
F2PACH	0.28357 ppm/cm
F2HZCM	85.11015 Hz/cm
F1PACH	0.28349 ppm/cm
F1HZCM	85.09528 Hz/cm



15CR-Me
ROESY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: cdc13

Current Data Parameters
USER NAME qiao
EXPNO 12
PROCNO 1

F2 - Acquisition Parameters

Date 500000
Time 19.58
PULPROG roesytp
SOLVENT dms-d5
AQ 0.240854 sec
FIDRES 2.052464 Hz
DM 500000.0 usec
RG 4096
NUCLEUS 1H
HL1 0 dB
D1 1.5000000 sec
D12 0.0000200 sec
P1 5.0 usec
D13 0.0000030 sec
D0 0.0000030 sec
HL4 30 dB
P15 400000.0 usec
DE 100.0 usec
SFO1 300.1382072 MHz
NUCLEUS 1H
IN0 0.0002280 sec

F1 - Acquisition Parameters

NU0 2
TD 256
SFO1 300.1382 MHz
FIDRES 8.206904 Hz
SW 7.000 ppm

F2 - Processing parameters

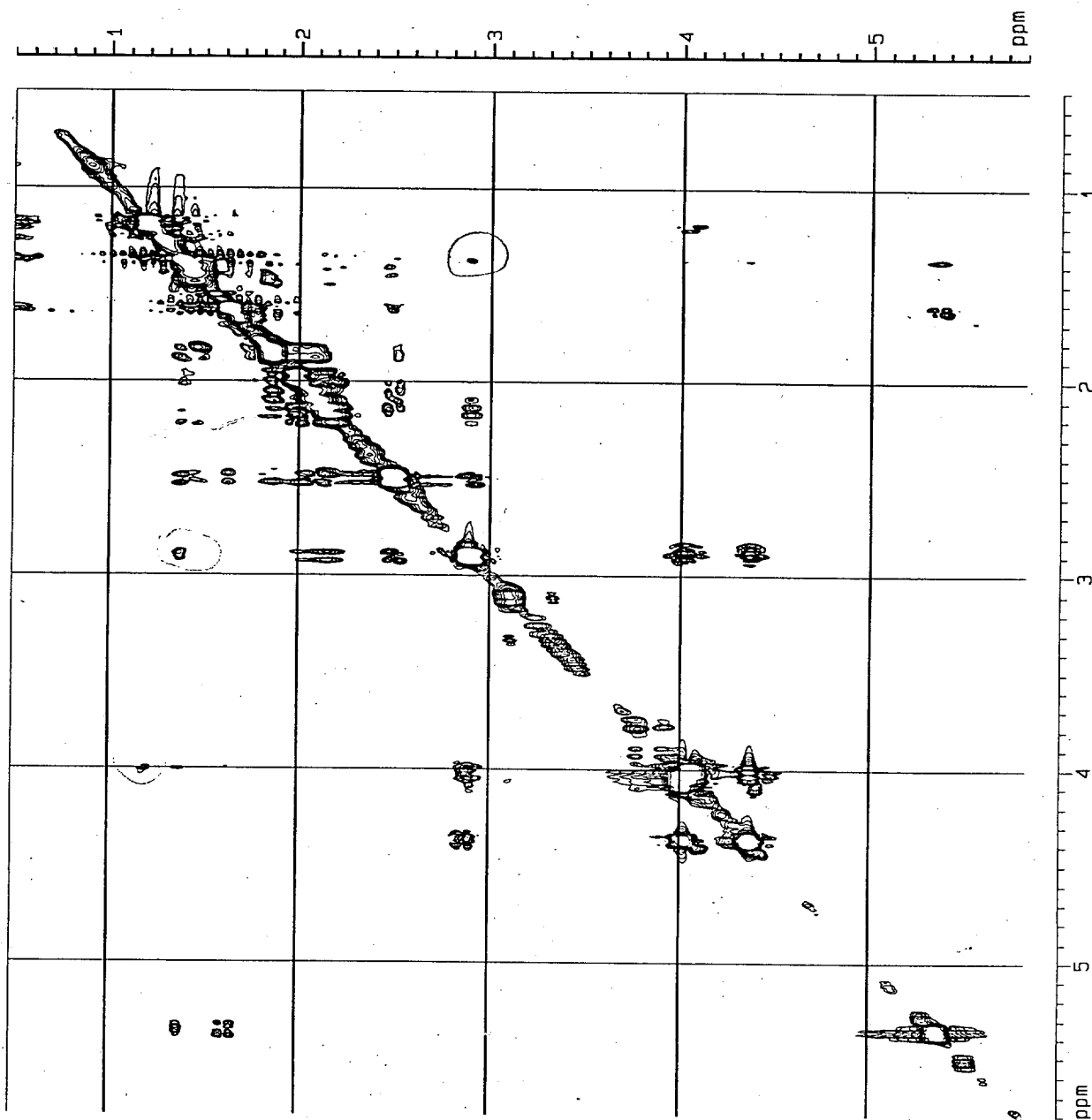
SI 1024
SF 300.1370064 MHz
WDW 0SINE
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
BF1 300.1365000 MHz
SR 506400000.00 Hz

F1 - Processing parameters

SI 1024
MC2 1024
SF 300.1370067 MHz
WDW 0SINE
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters

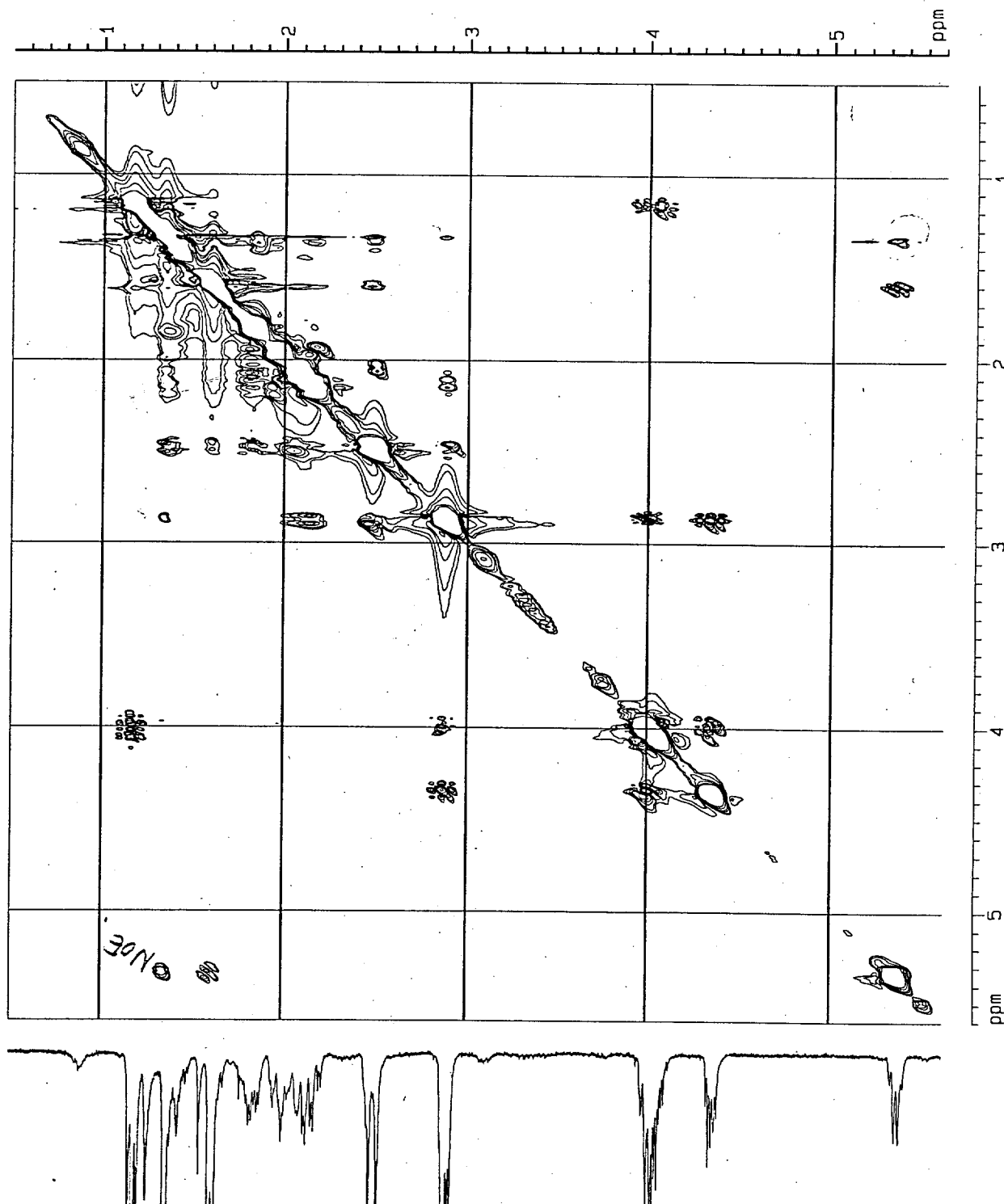
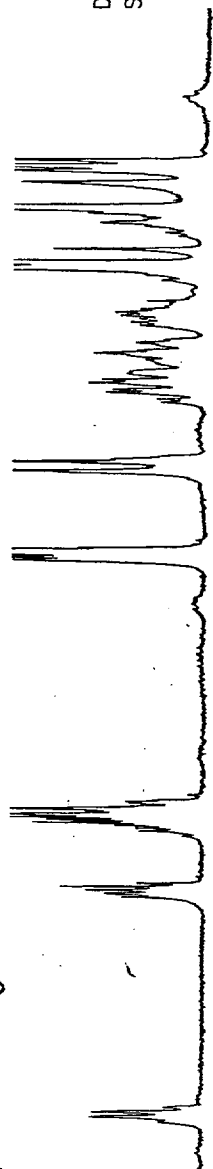
CX2 15.00 cm
CX1 15.00 cm
F2PLO 5.800 ppm
F2LO 1740.79 Hz
F2PHI 0.500 ppm
F2H1 149.94 Hz
F1PLO 5.800 ppm
F1LO 1740.79 Hz
F1PHI 0.500 ppm
F1H1 150.02 Hz
F2PPMCM 0.35336 ppm/cm
F2HZCM 105.05703 Hz/cm
F1PPMCM 0.35334 ppm/cm
F1HZCM 105.05188 Hz/cm



NOESY

15 (R=R')
NOESY

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: cdcl3



Current Data Parameters
USER qiao
NAME 61122vyl
EXPNO 3
PROCNO 1

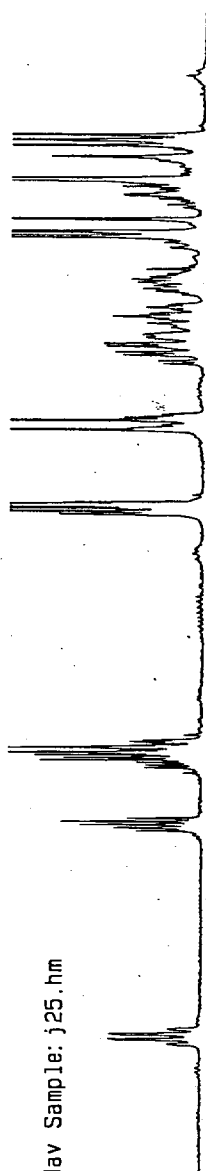
F2 - Acquisition Parameters
Date 500000
Time 19.58
PULPROG noesy1d
SOLVENT dmsd-dg
AQ 0.2400654 sec
FIDRES 2.052464 Hz
DM 500000.0 usec
RG 2048
NUCLEUS 1H
HL1 0 dB
D1 1.5000000 sec
P1 5.8 usec
DO 0.0000030 sec
DB 0.4000000 sec
DE 100.0 usec
SFO1 300.1382072 MHz
NUCLEUS 1H
INQ 0.0002360 sec

F1 - Acquisition parameters
ND0 2
TD 256
SFO1 300.1382 MHz
FIDRES 8.205904 Hz
SW 7.000 pcm

F2 - Processing parameters
SI 1024
SF 300.1370132 MHz
WDW 0.5INE
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
BF1 300.1365000 MHz
SR 513242176.00 Hz

F1 - Processing parameters
SI 1024
WC2 1PPI
SF 300.1370129 MHz
WDW 0.5INE
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 15.00 cm
CX1 15.00 cm
F2PLO 5.600 pcm
F2LO 1680.77 Hz
F2PHI 0.500 pcm
F2H1 150.07 Hz
F1PLO 5.600 pcm
F1LO 1680.77 Hz
F1PHI 0.500 pcm
F1H1 150.07 Hz
F2PNCM 0.34000 pcm/cm
F2H2CM 102.04659 Hz/cm
F1PNCM 0.34000 pcm/cm

15 (R=Me)
TOCSYDr. Veejendra K Yadav Sample: j25.hm
Solvent: CDCl3

Current Data Parameters

USER	qlap
NAME	81108v1
EXPNO	4
PROCNO	1

F2 - Acquisition Parameters

Data	SEI106
Type	14.27
PULPROG	zgpg30
SOLVENT	CDCl3
AD	0.240054 sec
FIDRES	2.052464 Hz
RG	237.9 usec
HG	16384
NUCLEUS	1H
HL1	0 dB
D1	1.0000000 sec
D12	0.000200 sec
P1	5.9 usec
D13	0.0000030 sec
D0	0.0000030 sec
HL3	13 dB
P17	2500.0 usec
P5	30.5 usec
P7	51.0 usec
L1	40
P5	20.3 usec
DE	100.0 usec
SFO1	300.1362072 MHz
SWH	2101.72 Hz
TD	1024
NS	4
DS	4
IN0	0.0002380 sec

F1 - Acquisition Parameters

NO0	2
TD	256
SFO1	300.1362 MHz
FIDRES	8.26593 Hz
SW	7.000 ppm

F2 - Processing parameters

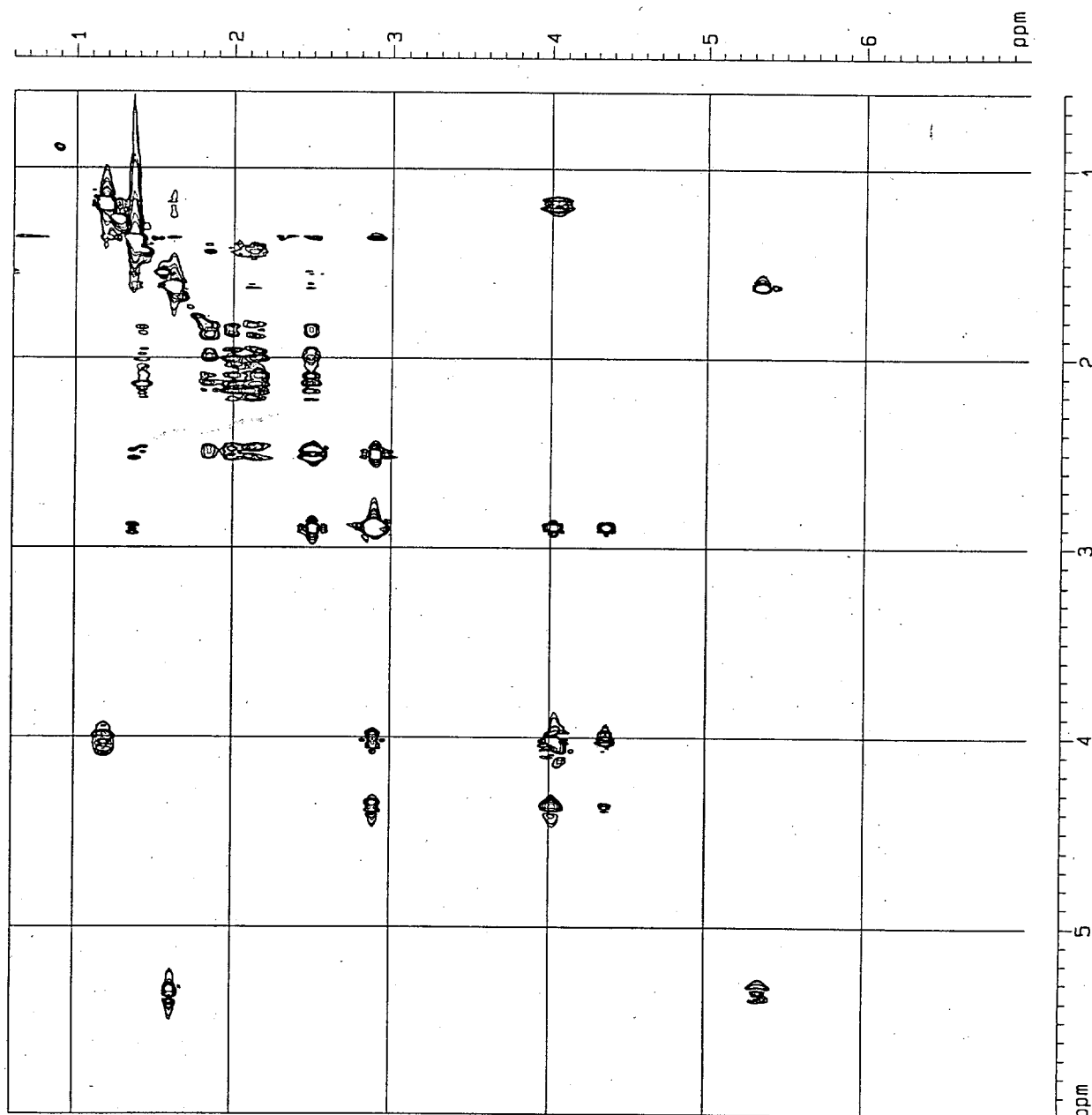
SI	1024
SF	300.1370067 MHz
WDW	SSINE
SSB	2
LB	0.00 Hz
GB	0
PC	1.40
BF1	300.1355000 MHz
SR	505.70 Hz

F1 - Processing parameters

SI	512
MC2	1991
SF	300.1370067 MHz
WDW	SSINE
SSB	2
LB	0.00 Hz
GB	0

2D NMR plot parameters

CX2	15.00 cm
CX1	15.00 cm
F2PL0	6.000 ppm
F2L0	1000.82 Hz
F2PH1	0.500 ppm
F2H1	180.08 Hz
F1PL0	7.000 ppm
F1L0	2100.95 Hz
F1PH1	0.500 ppm
F1H1	180.08 Hz
F2PMCH	0.36000 ppm/cm
F2NCM	108.04932 Hz/cm
F1PMCH	0.45567 ppm/cm
F1NCM	128.09546 Hz/cm



15 (R=Me)
TOCSY

Dr. Veejendra K Yadav Sample: 25.hm
Solvent: CDCl₃

Current Data Parameters
USER qiao
NAME B1105vyl
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date 951105
Time 14.27
PULPROG mltvd, fy
SOLVENT CDCl₃
AQ 0.240084 sec
FIDRES 2.052404 Hz
DM 237.9 usec
RG 16384
NUCLEUS 1H
AL1 0 dB
D1 1.0000000 sec
D12 0.000200 sec
P1 5.8 usec
D13 0.0000030 sec
D0 0.0000030 sec
H13 13 dB
P17 2500.0 usec
P8 30.5 usec
P7 61.0 usec
L1 40
P5 20.3 usec
DE 100.0 usec
SF01 300.1362072 MHz
SNH 2101.72 Hz
T0 1024
NS 40
DS 4
TNO 0.0002360 sec

F1 - Acquisition Parameters

TD 256
SF01 300.1362 MHz
FIDRES 0.005903 Hz
SW 7.000 ppm

F2 - Processing Parameters

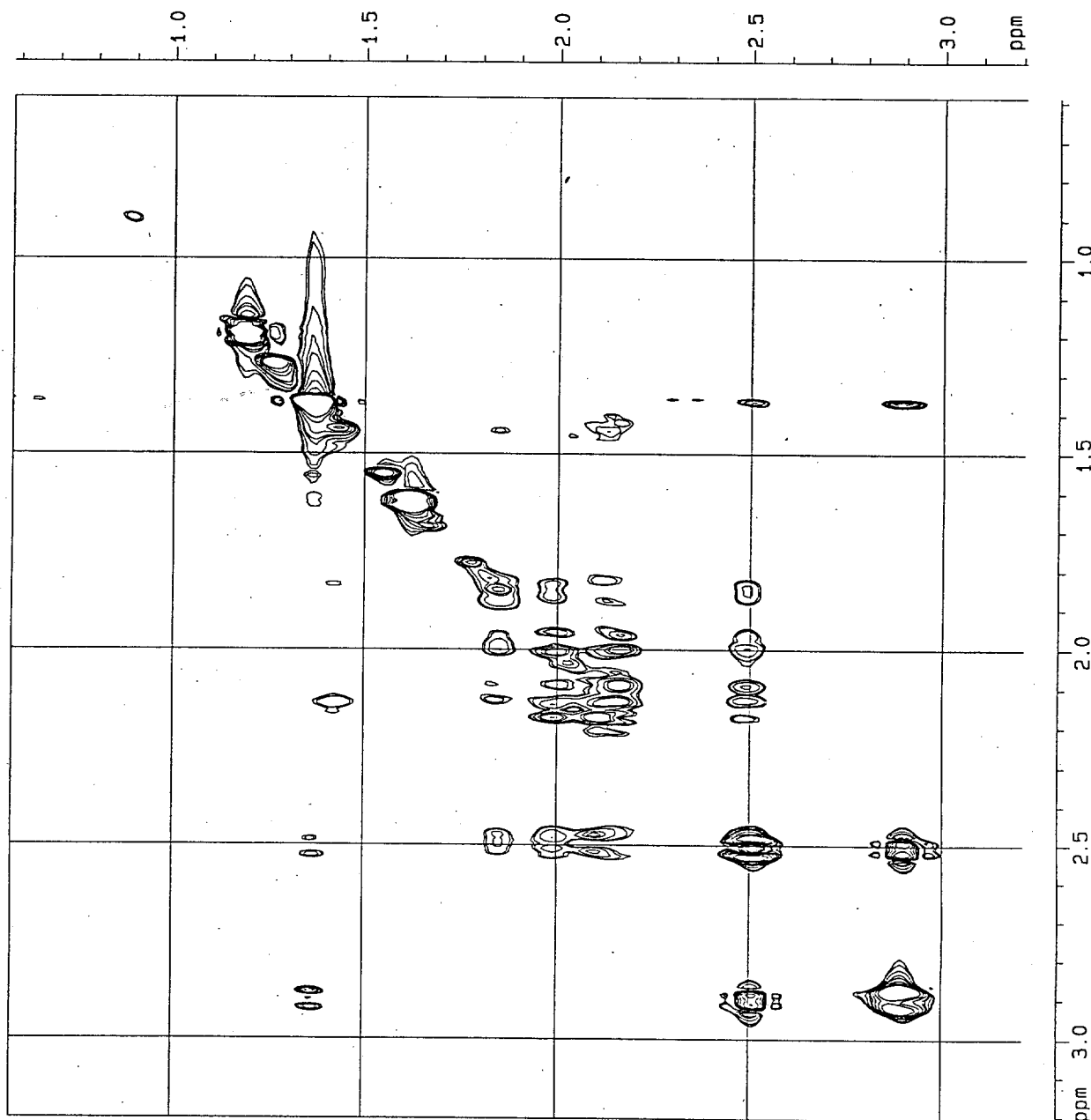
SI 1024
SF 300.1370067 MHz
WDW 0.00 Hz
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
HF1 300.1302000 MHz
SR 508.70 Hz

F1 - Processing Parameters

SI 512
MC2 TPPI
SF 300.1370067 MHz
WDW 0.00 Hz
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters

CA2 15.00 cm
CA1 15.00 cm
F2PLO 3.207 ppm
F2LO 962.41 Hz
F2PHI 0.587 ppm
F2H1 176.32 Hz
F1PLO 3.207 ppm
F1LO 962.50 Hz
F1PHI 0.582 ppm
F1H1 174.64 Hz
F2PPMCM 0.17461 ppm/cm
F2HZCM 52.40625 Hz/cm
F1PPMCM 0.17500 ppm/cm
F1HZCM 52.52417 Hz/cm

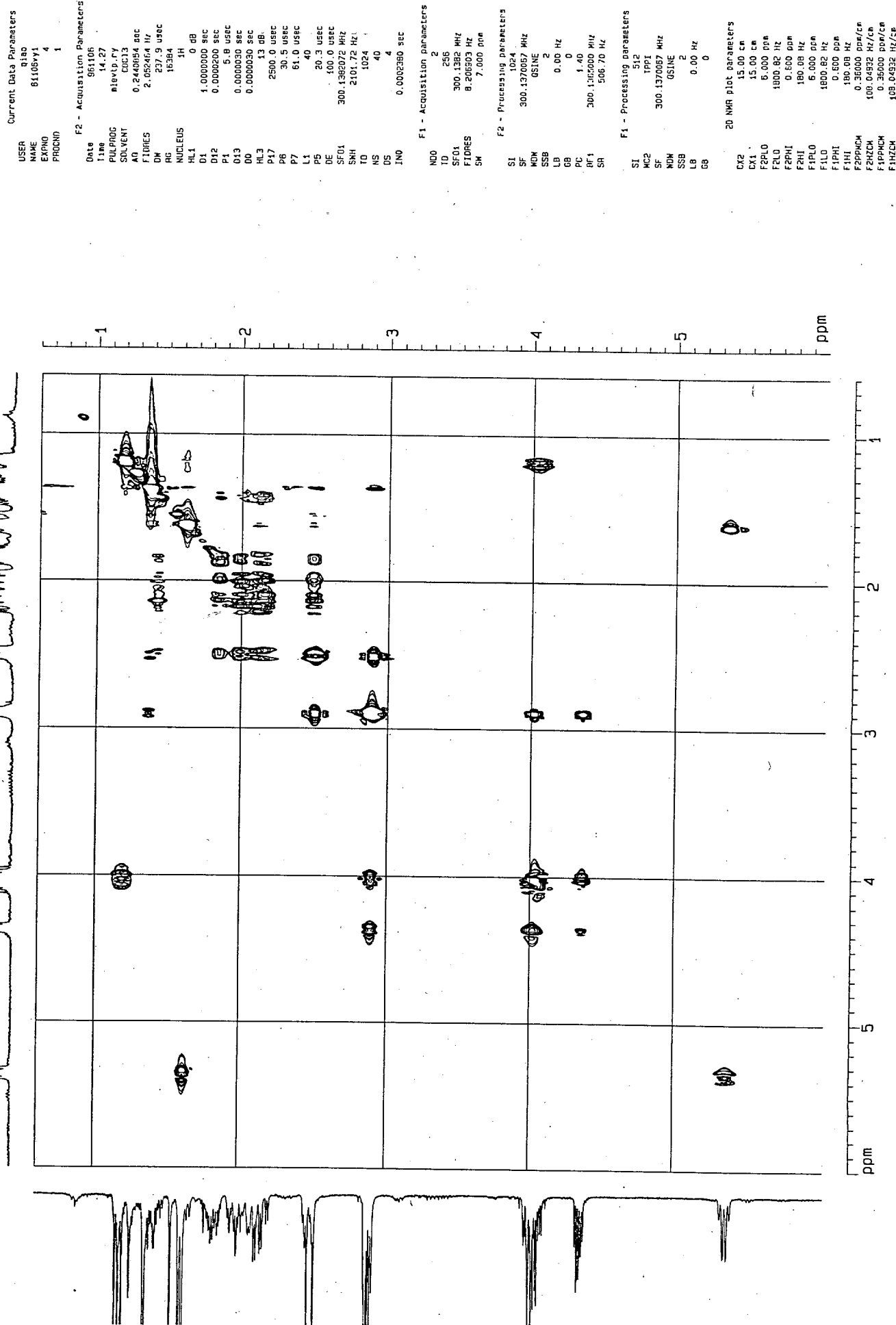


1.4

15 (R=77e)

Tocsy

Dr. Veejendra K Yadav Sample: j25.hm
Solvent: COC13



16 (2 = 12e)

1H

YDAV-69/CDC13

Current Data Parameters
 USER qiao
 NAME 70503vy1
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters

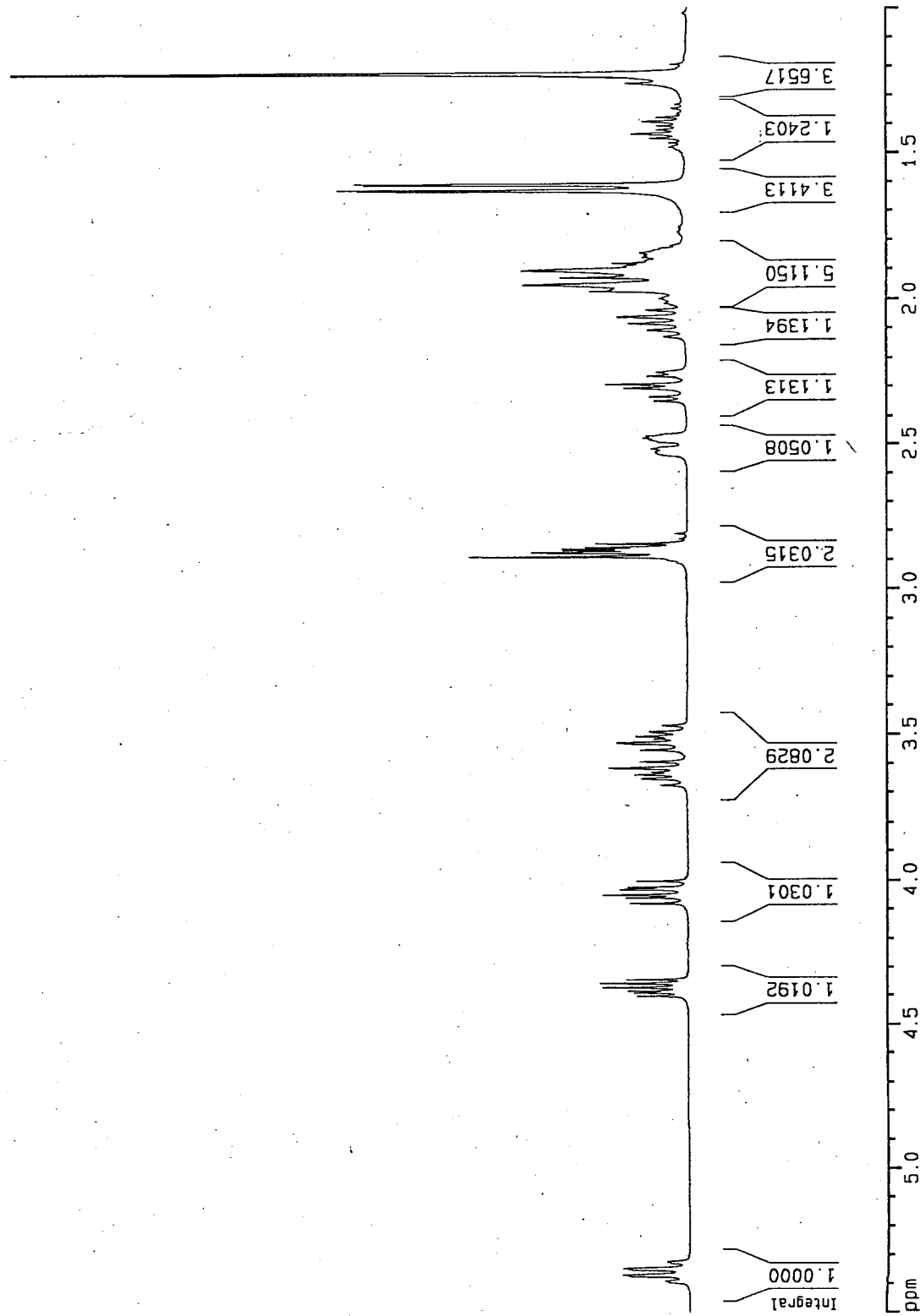
Date_ 970603
 Time 14.25
 INSTRUM amx300
 PROBD 5 mm Multinu
 PULPROG zg30
 TD 16384
 SOLVENT CDC13
 NS 17
 DS 2
 SWH 4202.034 Hz
 FIDRES 0.256472 Hz
 AQ 1.9499340 sec
 RG 512
 DM 118.990 usec
 DE 148.74 usec
 TE 300.0 K
 HL1 0 dB
 D1 0.50000000 sec
 P1 5.60 usec
 DE 148.74 usec
 SF01 300.1383000 MHz
 NUCLEUS 1H

F2 - Processing parameters

SI 16384
 SF 300.1370052 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00
 SR 506.17 Hz

1D NMR plot parameters

CX 20.00 cm
 F1P 5.500 ppm
 F1 1650.75 Hz
 F2P 1.000 ppm
 F2 300.14 Hz
 PPMCM 0.22500 ppm/cm
 HZCM 67.53082 Hz/cm



16 (R = Me)

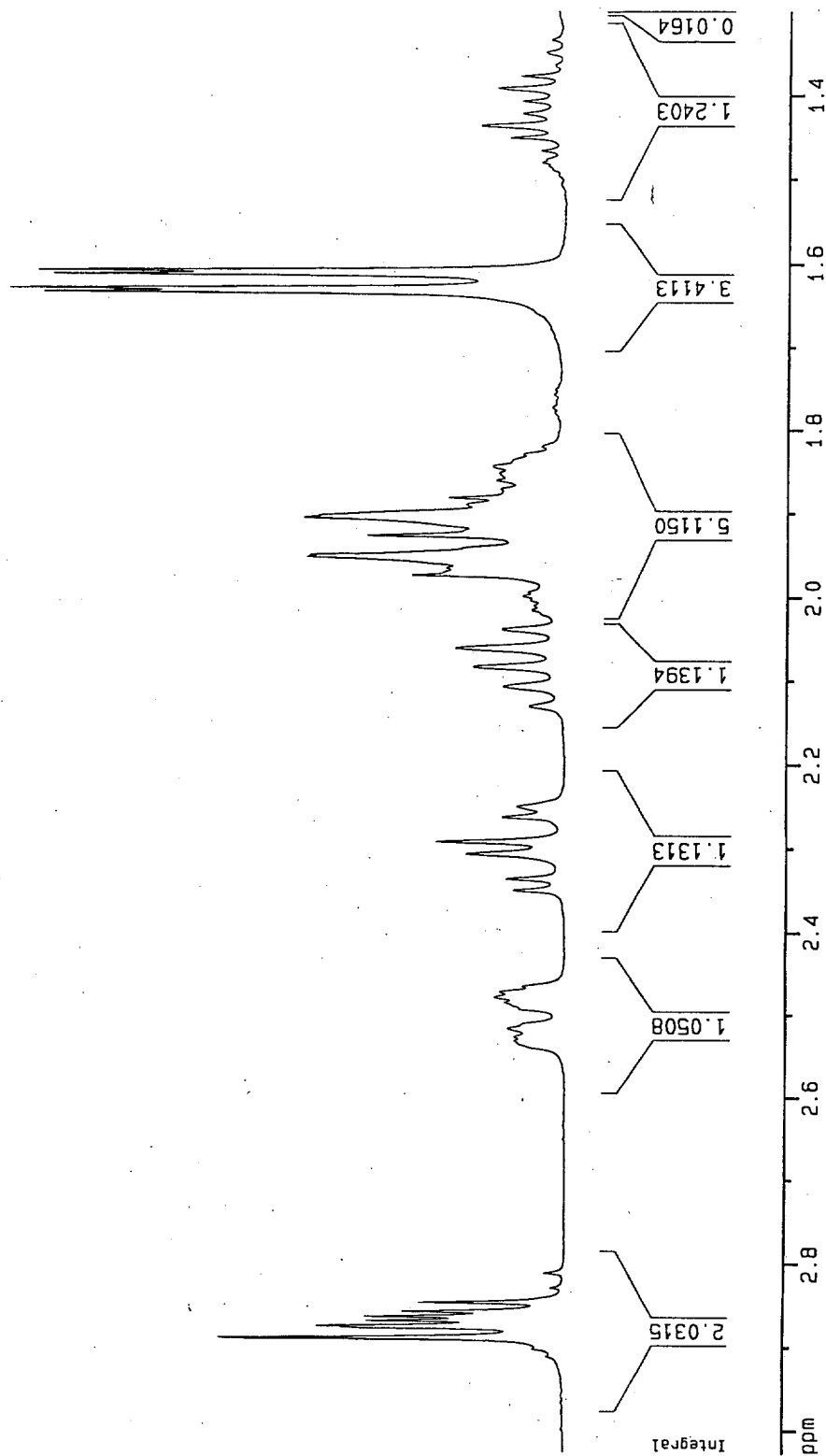
YADAV-69/CDC13

Current Data Parameters
 USER qiao
 NAME 70603yv1
 EXPNO 2
 PROCNO 1

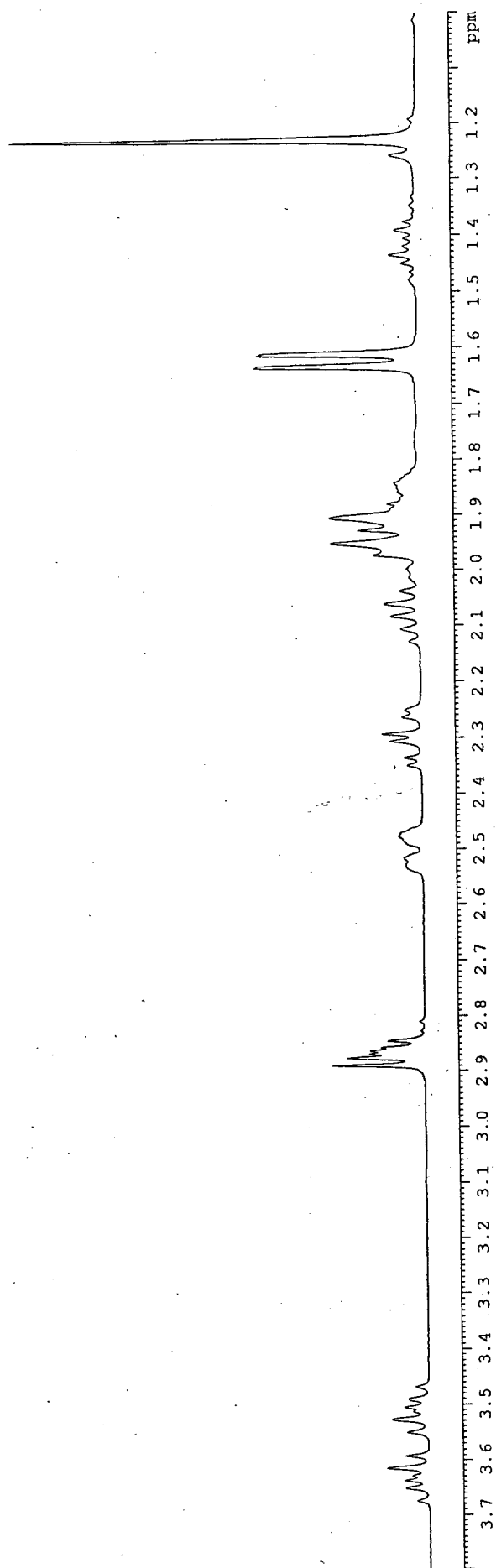
F2 - Acquisition Parameters
 Date_ 970603
 Time 14.25
 INSTRUM amx300
 PROBHD 5 mm Multinu
 PULPROG zg30
 TD 16384
 SOLVENT CDC13
 NS 17
 DS 2
 SWH 4202.034 Hz
 FIDRES 0.256472 Hz
 AQ 1.9499340 sec
 RG 512
 DW 118.990 usec
 DE 148.74 usec
 TE 300.0 K
 HL1 0 dB
 D1 0.5000000 sec
 P1 5.80 usec
 DE 148.74 usec
 SF01 300.1383000 MHz
 NUCLEUS ¹H

F2 - Processing parameters
 SI 16384
 SF 300.1370062 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00
 SR 506.17 Hz

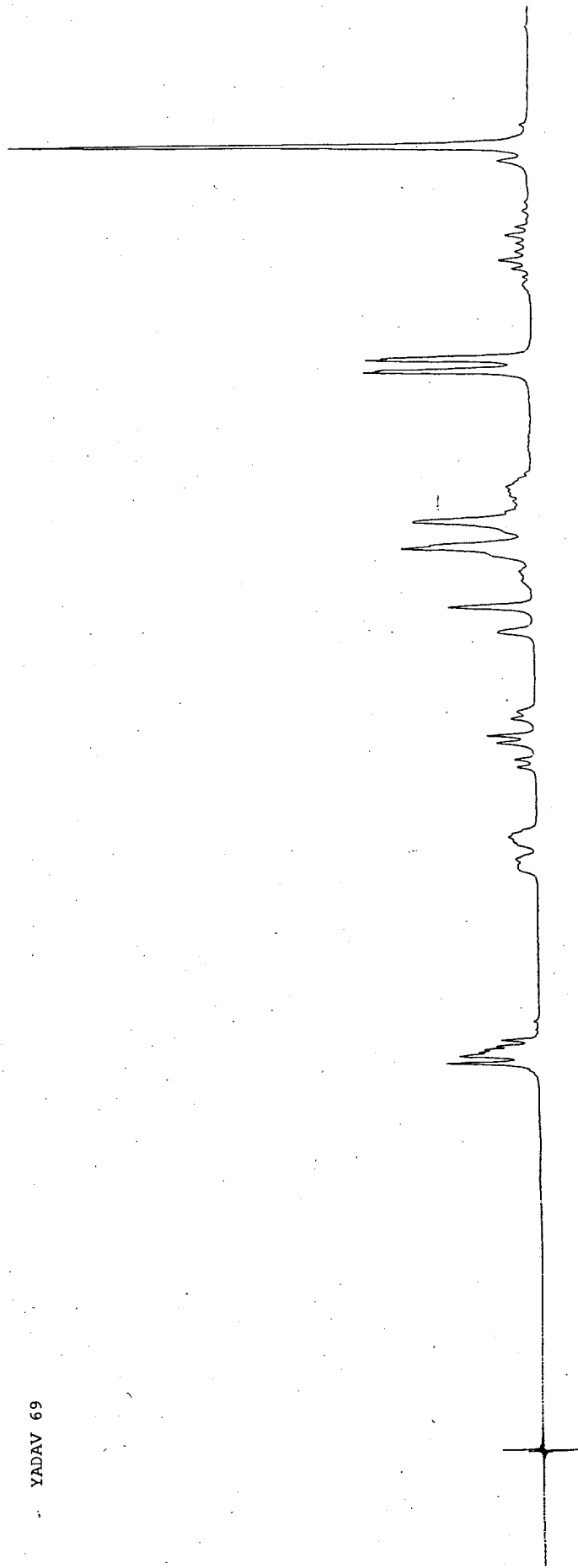
1D NMR plot parameters
 CX 20.00 cm
 F1P 3.028 ppm
 F1 908.84 Hz
 F2P 1.300 ppm
 F2 390.18 Hz
 PPMCM 0.08640 ppm/cm
 HZCM 25.93295 Hz/cm



16 (R=Me)



YADAV 69



16 (R=Me)
13C

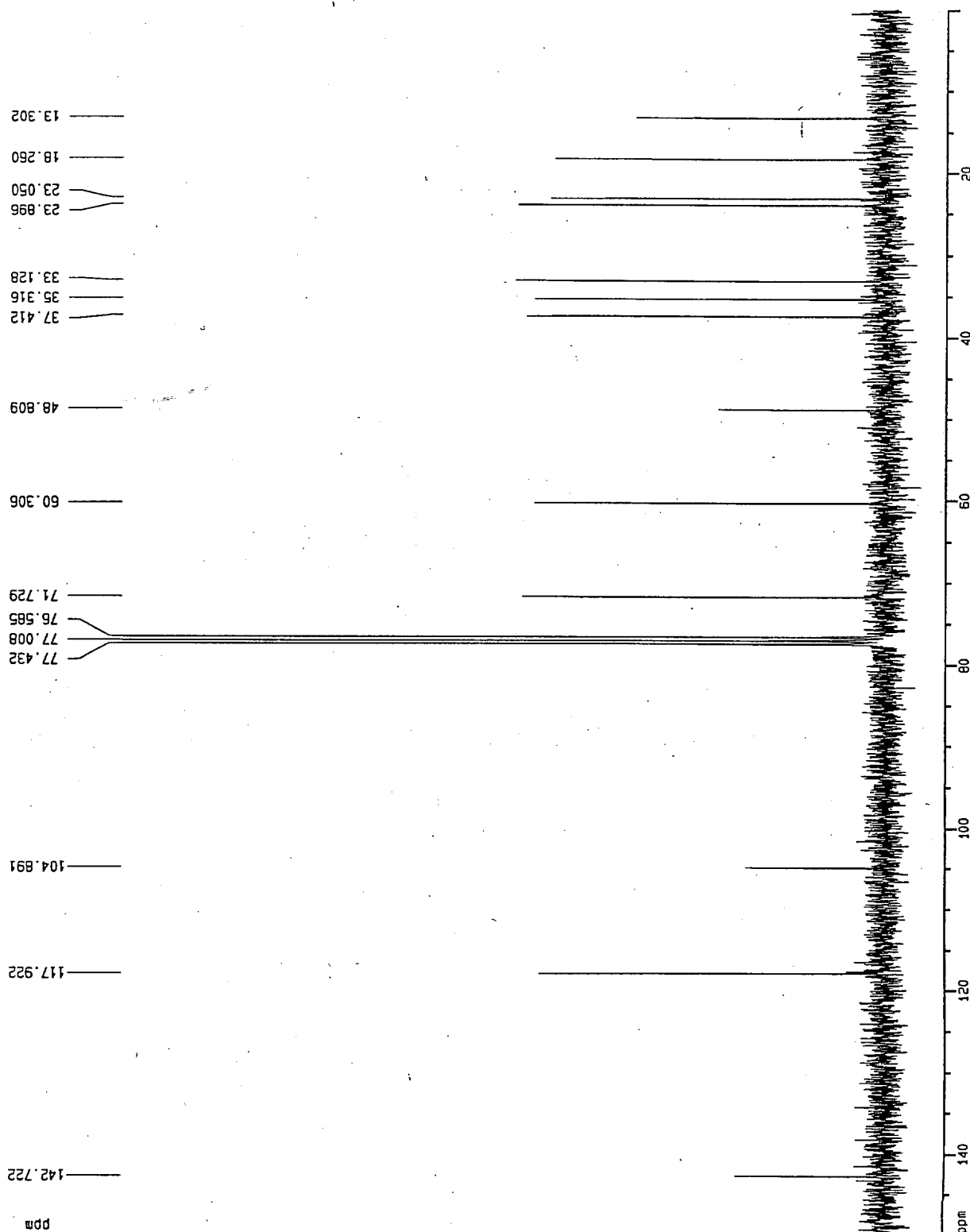
YADAV -69/CDC13, ns-964

Current Data Parameters
 USER qiao
 NAME 70603vy1
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 970603
 Time 14.35
 INSTRUM amx300
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TD 32768
 SOLVENT CDC13
 NS 2146
 DS 0
 SWH 18115.941 Hz
 FIDRES 0.552855 Hz
 AQ 0.9044520 sec
 RG 32768
 DM 27.600 usec
 DE 100.00 usec
 TE 300.0 K
 D11 30.0000000 sec
 CPOPRG waltz16
 P31 72.00 usec
 S2 22 dB
 HL1 1 dB
 D1 2.00000000 sec
 P1 7.50 usec
 DE 100.00 usec
 SF01 75.4776853 MHz
 NUCLEUS 13C

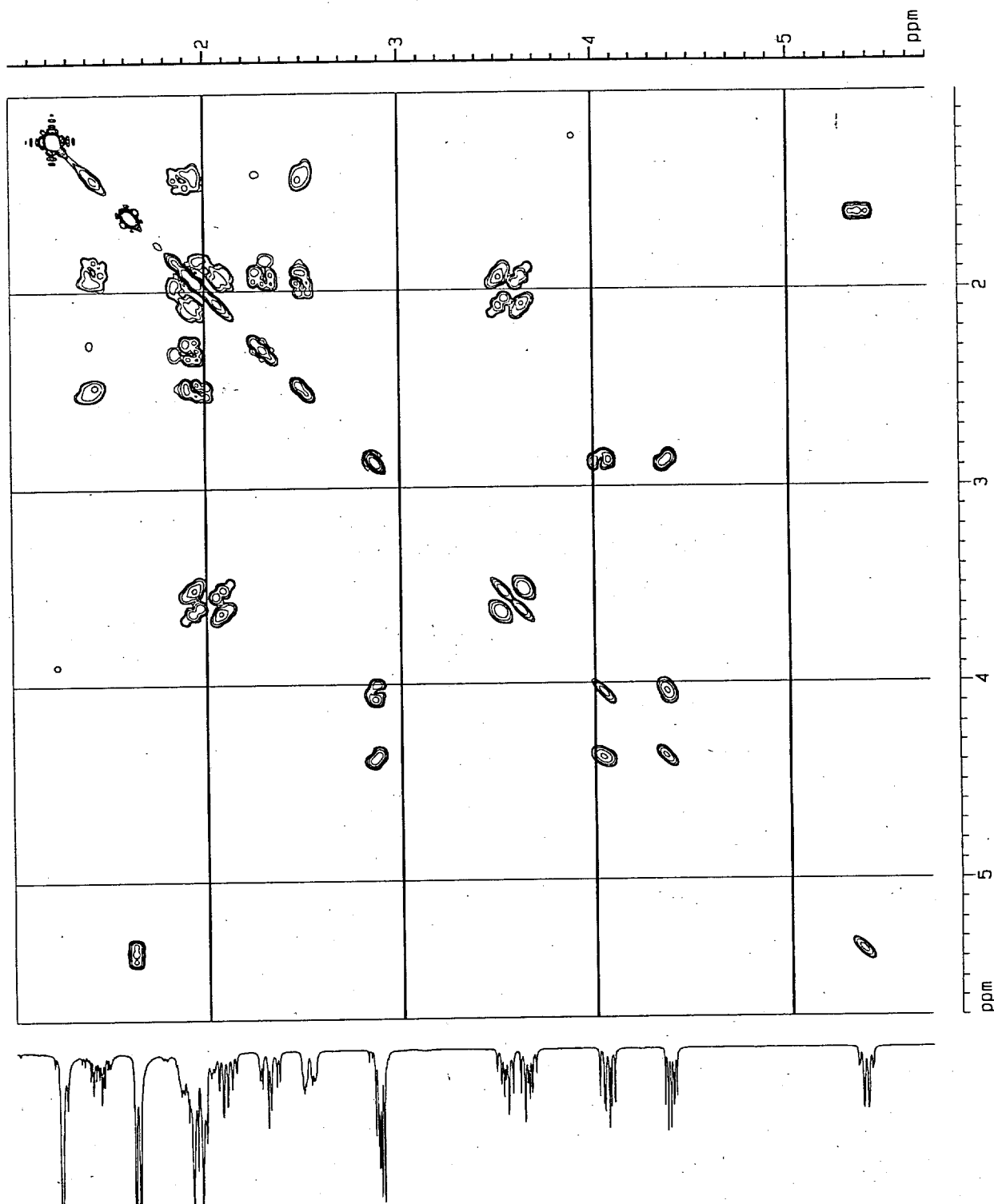
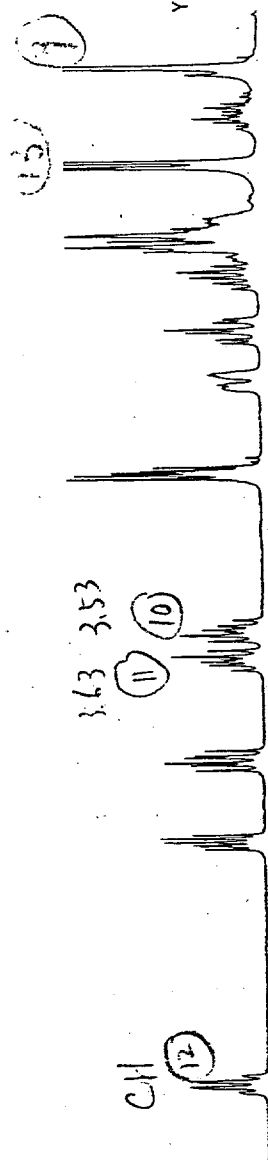
F2 - Processing parameters
 SI 32768
 SF 75.4695100 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40
 SR 157.02 Hz

1D NMR plot parameters
 CX 20.00 cm
 F1P 150.000 ppm
 F1 11320.43 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 7.50000 ppm/cm
 HZCM 565.02130 Hz/cm



16 (R=Me) COSY

YADAV-69/CDC13



Current Data Parameters
 USFA qino
 NAME 700033v1
 EXPNO 3
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 970603
 Time 15.22
 INSTRUM ana300
 PROBHD 5 mm Multinu
 PULPROG cosy45
 TO 512
 SOLVENT CDC13
 NS 56
 DS 2
 SMH 2101.723 Hz
 FIDRES 4.104928 Hz
 AQ 0.1222806 sec
 RG 512
 DM 237.900 usec
 DE 339.86 usec
 TE 300.0 K
 HL1 0 dB
 D1 1.00000000 sec
 P1 5.80 usec
 D0 0.000030 sec
 DE 339.86 usec
 SF01 300.1361767 MHz
 NUCLEUS 1H
 INO 0.00047587 sec

F1 - Acquisition parameters
 N00 1
 TO 256
 SF01 300.1362 MHz
 FIDRES 8.206908 Hz
 SW 7.000 ppm

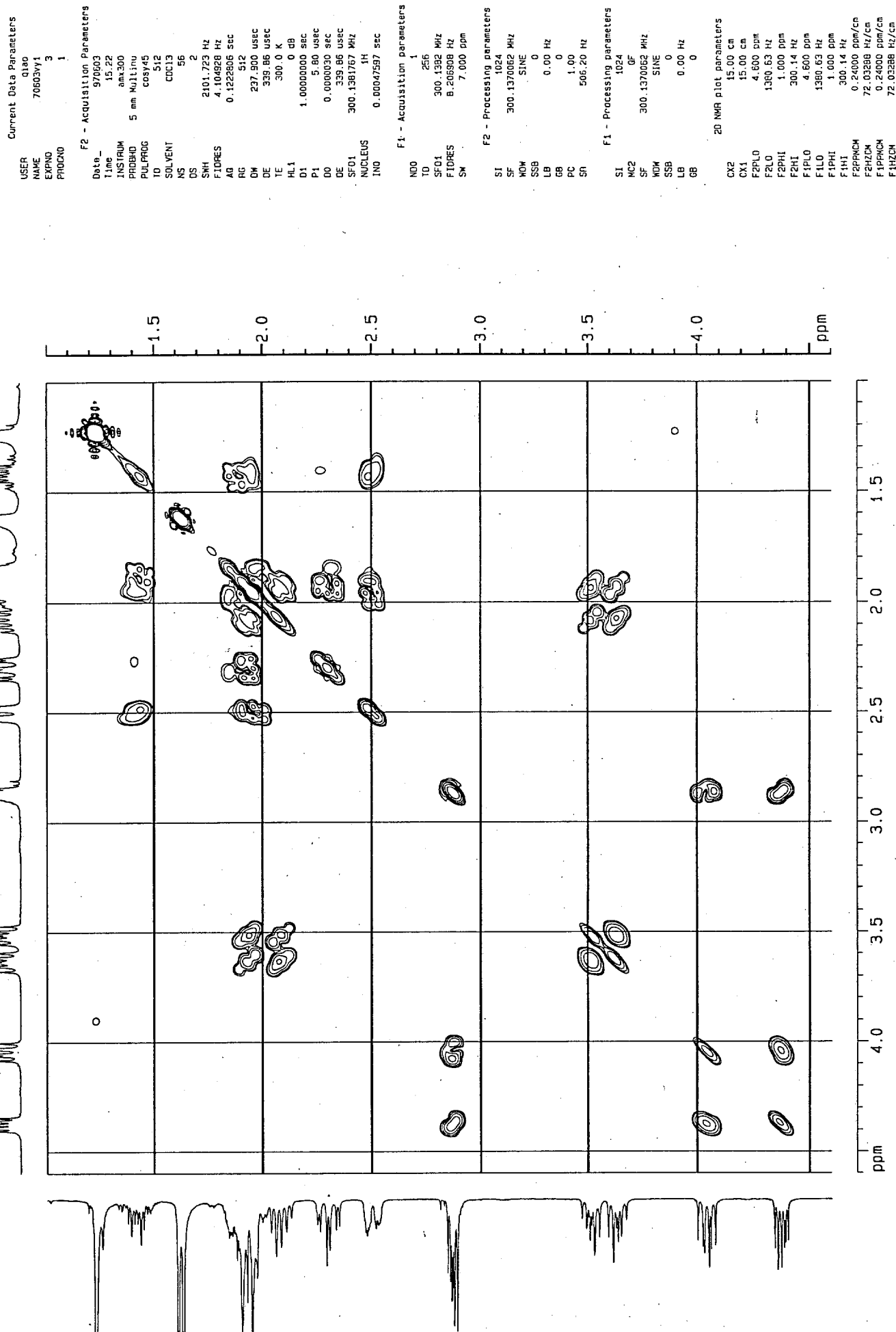
F2 - Processing parameters
 SI 1024
 SF 300.1370062 MHz
 WDW SINE
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00
 SR 506.20 Hz

F1 - Processing parameters
 SI 1024
 SF 300.1370062 MHz
 WDW SINE
 SSB 0
 LB 0.00 Hz
 GB 0

2D NMR plot parameters
 CX2 15.00 cm
 CX1 15.00 cm
 F2PLO 5.700 ppm
 F2LO 1710.78 Hz
 F2PHI 1.000 ppm
 F2H1 300.14 Hz
 F1PLO 5.700 ppm
 F1LO 1710.78 Hz
 F1PHI 1.000 ppm
 F1H1 300.14 Hz
 F2PPMCM 0.31333 ppm/cm
 F2HZCM 94.04292 Hz/cm
 F1PPMCM 0.31333 ppm/cm
 F1HZCM 94.04292 Hz/cm

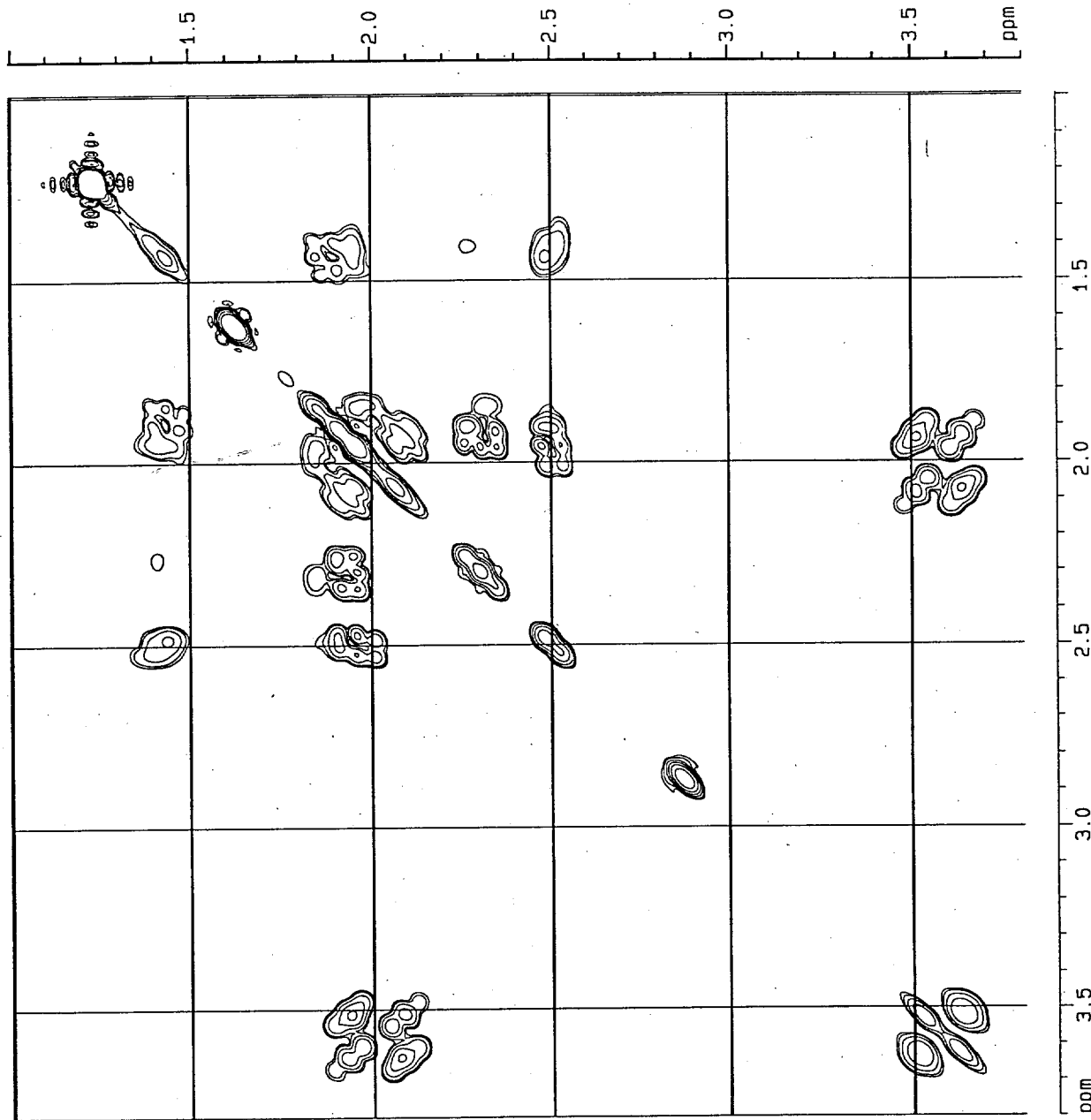
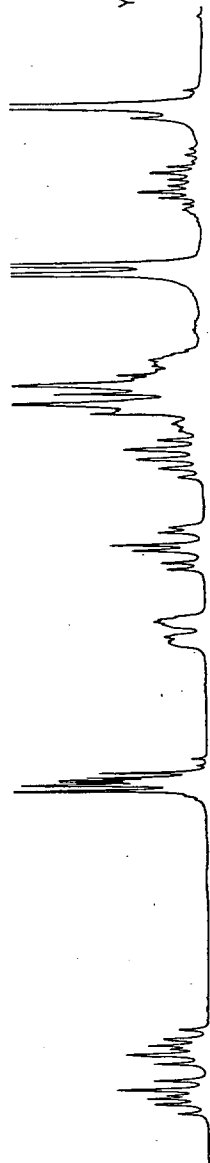
16 (R=Me)
COSY

YADAV-69/CDC13



16 (R=Me)
COSY

YADAV-69/COC13



Current Data Parameters
USF1 4100
NAME 7000341
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 970603
Time 15.22
INSTRUM 400
PROBHD 5 mm J111nu
PULPROG zgpg30
TO 512
SOLVENT COC13
NS 56
DS 2
SWH 2101.723 Hz
FIDRES 4.104928 Hz
AQ 0.1222806 sec
RG 312
DM 237.900 usec
DE 339.86 usec
TE 300.0 K
HL1 0 dB
D1 1.00000000 sec
P1 5.80 usec
DO 0.000030 sec
DE 339.86 usec
SF01 300.138167 MHz
NUCLEUS 1H
IN0 0.00047597 sec

F1 - Acquisition Parameters
N00 1
TD 256
SF01 300.1382 MHz
FIDRES 8.206908 Hz
SW 7.000 ppm

F2 - Processing Parameters
S1 1024
SF 300.1370062 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.00
SR 506.20 Hz

F1 - Processing Parameters
S1 1024
MC2 GF
SF 300.1370062 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 15.00 cm
CX1 15.00 cm
F2PLO 3.800 ppm
F2LO 1140.52 Hz
F2PHI 0.994 ppm
F2H1 298.20 Hz
F1PLO 3.800 ppm
F1LO 1140.52 Hz
F1PHI 0.995 ppm
F1H1 298.52 Hz
F2PACH 0.18710 ppm/cm
F2H2CM 55.15453 Hz/cm
F1PACH 0.18703 ppm/cm
F1H2CM 55.13385 Hz/cm

16 (R=17e)
COSY

YADAV-69/COC13

Current Data Parameters
 USER qlao
 NAME 70603v1
 EXPNO 3
 PROCNO 1

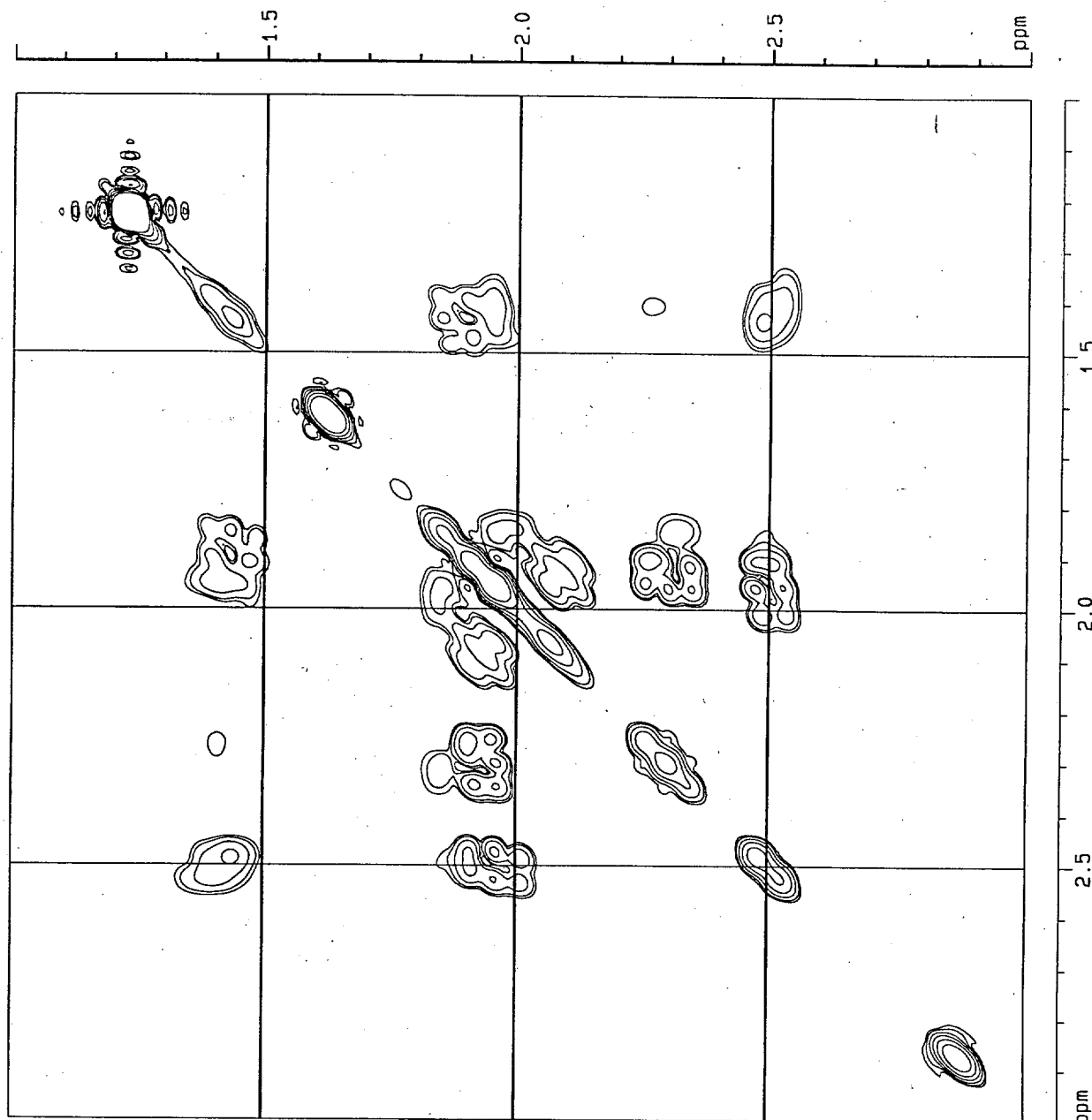
F2 - Acquisition Parameters
 Date_ 970603
 Time 15.22
 INSTRUM amx300
 PROBHD 5 mm Wilm
 PULPROG zgpg30
 TD 512
 SOLVENT COC13
 NS 56
 DS 2
 SWH 2101.723 Hz
 FIDRES 4.104928 Hz
 AQ 0.1222806 sec
 RG 512
 DW 237.900 usec
 DE 339.86 usec
 TE 300.0 K
 HL1 0 dB
 D1 1.0000000 sec
 P1 5.80 usec
 O1 0.0000030 sec
 DE 339.86 usec
 SF01 300.1351767 MHz
 NUCLEUS 1H
 IN0 0.00047597 sec

F1 - Acquisition Parameters
 NDO 1
 TD 256
 SF01 300.1362 MHz
 FIDRES 8.206908 Hz
 SW 7.000 ppm

F2 - Processing Parameters
 SI 1024
 SF 300.1370062 MHz
 NDM SINE
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00
 SR 506.20 Hz

F1 - Processing Parameters
 SI 1024
 SF 300.1370062 MHz
 NDM SINE
 SSB 0
 LB 0.00 Hz
 GB 0

2D NMR plot parameters
 CX2 15.00 cm
 CX1 15.00 cm
 F2PLO 3.000 ppm
 F2LO 900.41 Hz
 F2PHI 1.000 ppm
 F2HI 300.14 Hz
 F1PLO 3.000 ppm
 F1LO 900.41 Hz
 F1PHI 1.000 ppm
 F1HI 300.14 Hz
 F2PACH 0.13333 ppm/cm
 F2MCH 40.01626 Hz/cm
 F1PACH 0.13333 ppm/cm
 F1MCH 40.01626 Hz/cm



16(R=Me) ROESY

YADAV-69/CDC13

Current Data Parameters
 USER qiao
 NAME 70603v1
 EXPNO 4
 PROCNO 1

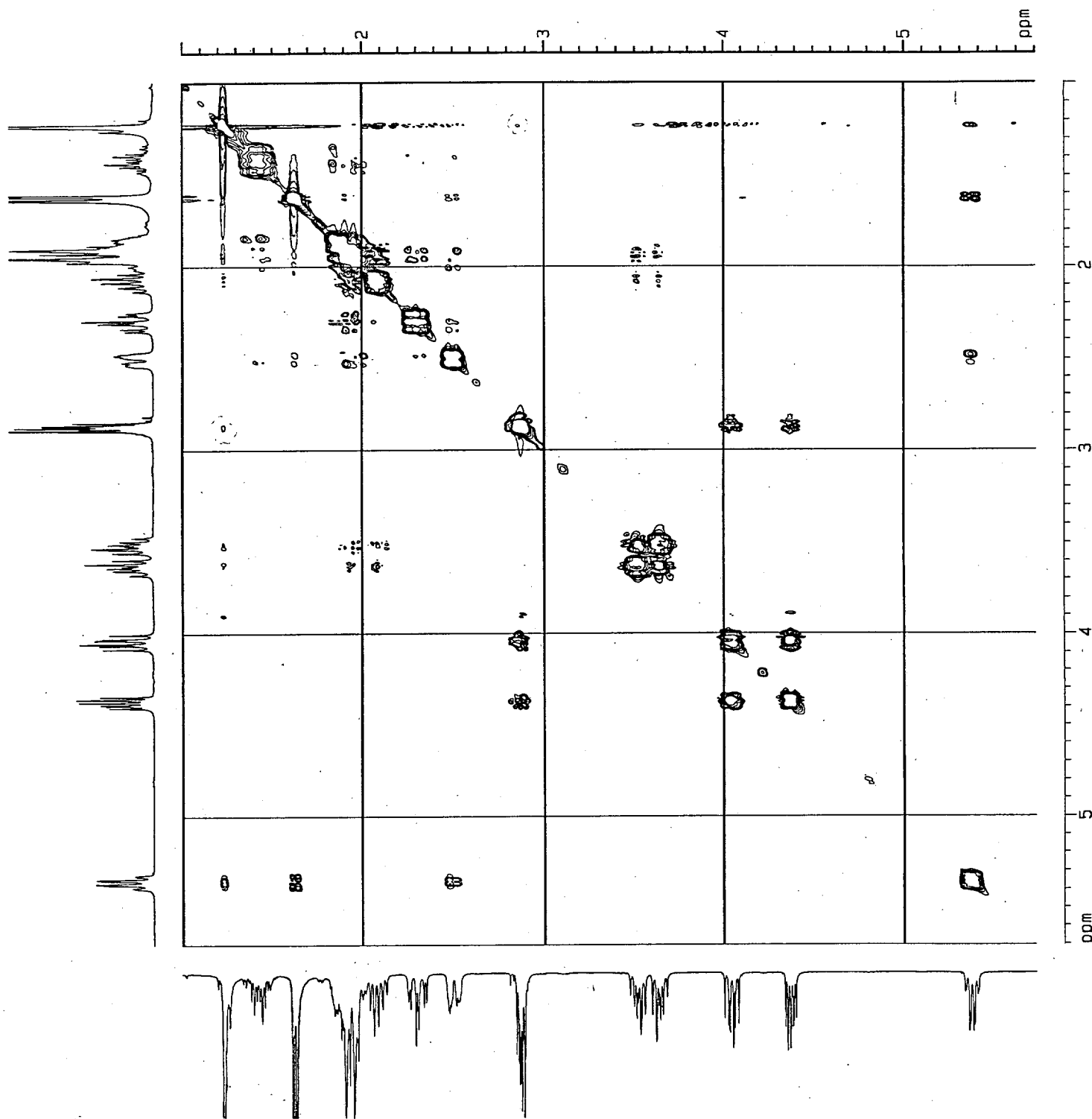
F2 - Acquisition Parameters
 Date_ 970603
 Time 20.07
 INSTRUM amx300
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TO 1024
 SOLVENT cdcl3
 NS 48
 DS 4
 SWH 2101.723 Hz
 FIDRES 2.052464 Hz
 AQ 0.2440854 sec
 RG 512
 DM 237.900 usec
 DE 339.86 usec
 TE 300.0 K
 HL1 0 dB
 D1 1.50000000 sec
 D12 0.0002000 sec
 P1 5.00 usec
 D13 0.0000040 sec
 D0 0.0000030 sec
 HL4 30 dB
 P15 400000.00 usec
 DE 339.86 usec
 SF01 300.1351767 MHz
 NUCLEUS 1H
 IN0 0.00023795 sec

F1 - Acquisition Parameters
 N00 2
 TO 512
 SF01 300.1382 MHz
 FIDRES 4.103462 Hz
 SW 7.000 ppm

F2 - Processing parameters
 SI 1024
 SF 300.1370062 MHz
 OSINE 2
 LB 0.00 Hz
 GB 0
 PC 1.40
 SR 506.20 Hz

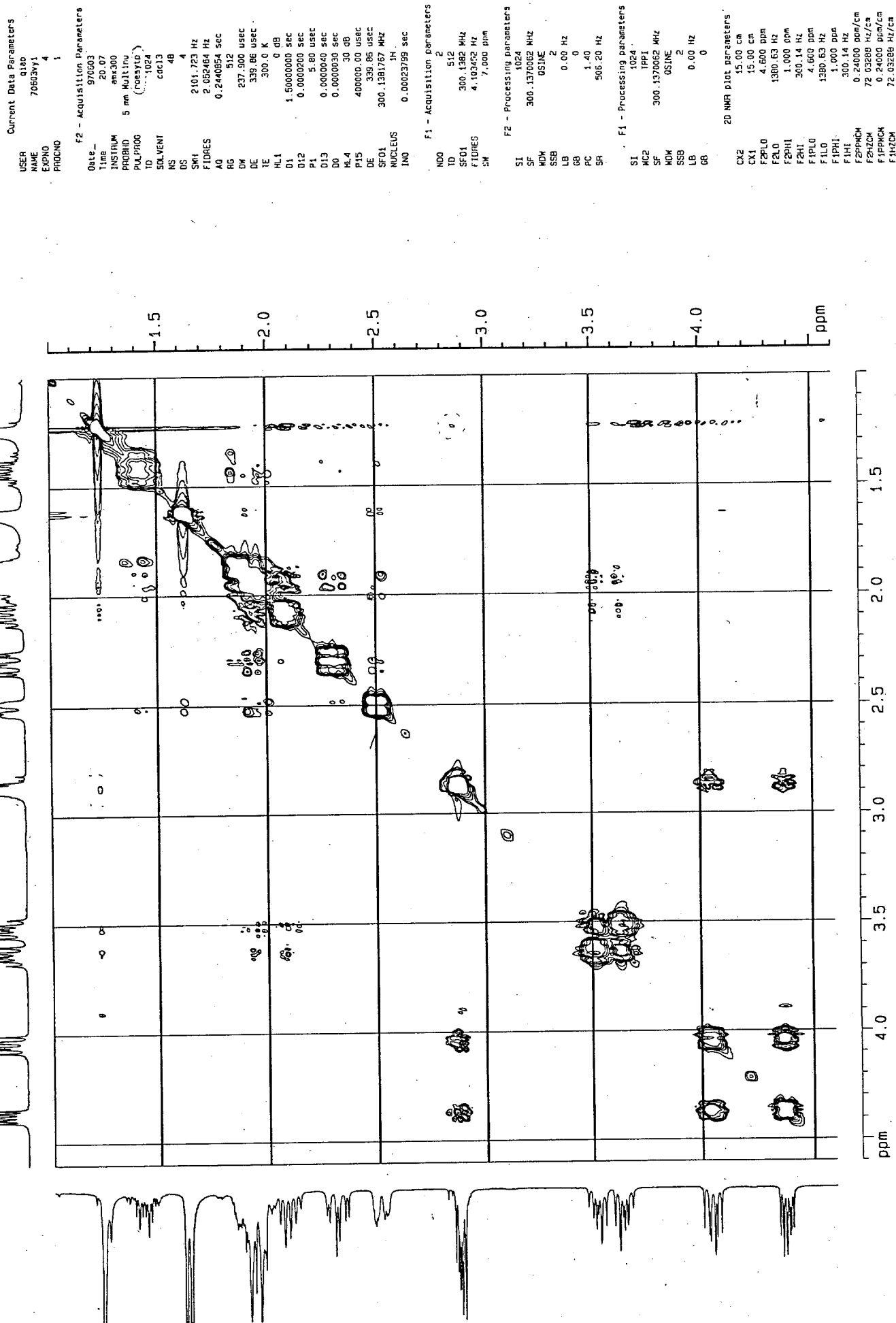
F1 - Processing parameters
 SI 1024
 MC2 1024
 PP1 1024
 SF 300.1370062 MHz
 OSINE 2
 LB 0.00 Hz
 GB 0

2D NMR plot parameters
 CX2 15.00 cm
 CX1 15.00 cm
 F2-LO 5.705 ppm
 F2-H 1712.35 Hz
 F2-PI 0.904 ppm
 F2-LO 298.20 Hz
 F2-H 5.705 ppm
 F2-PI 1712.16 Hz
 F2-LO 0.905 ppm
 F2-H 298.32 Hz
 F2-PI 0.31411 ppm/cm
 F2-LO 94.27051 Hz/cm
 F2-H 94.31400 ppm/cm
 F2-PI 94.24261 Hz/cm



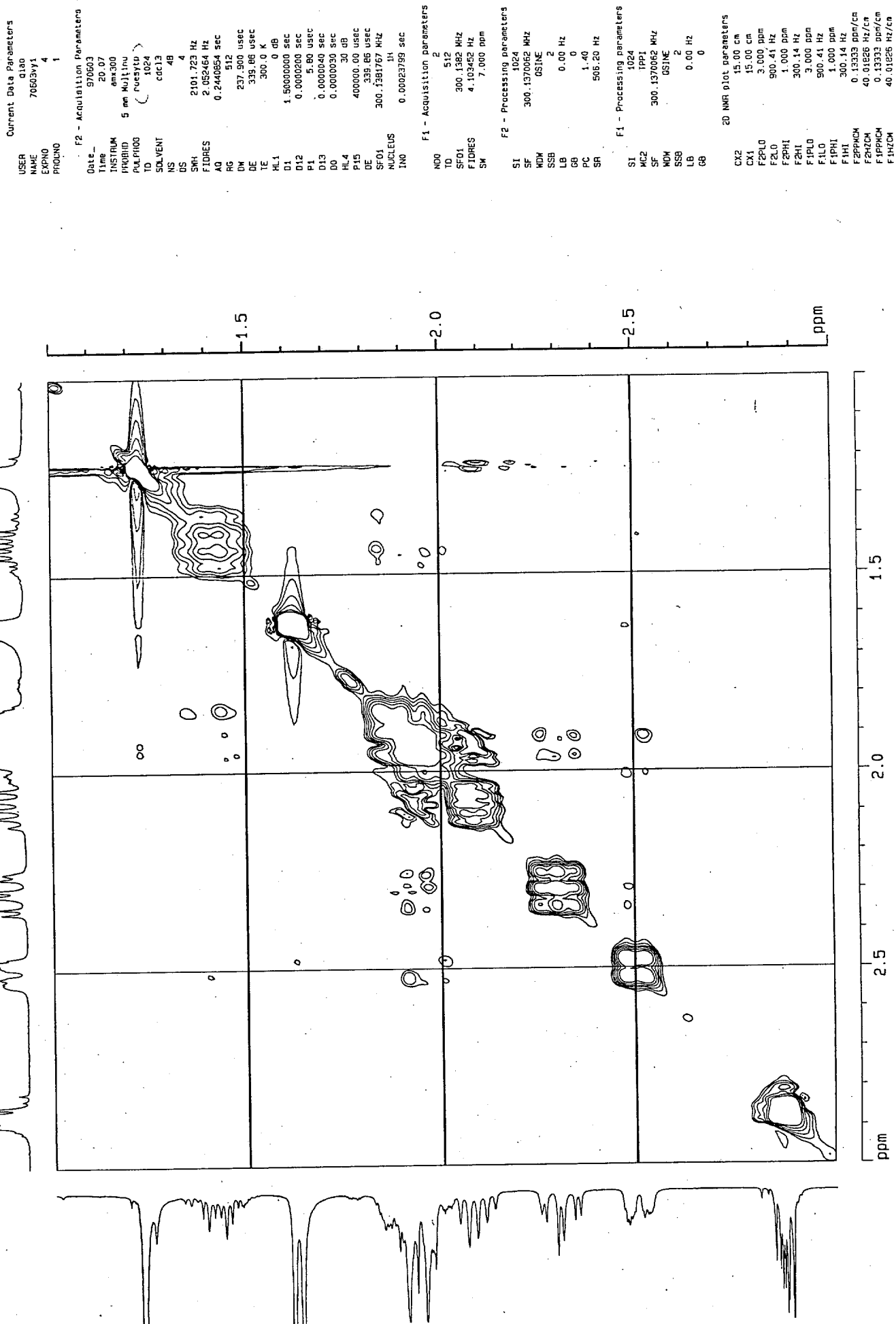
16 (R=Me) ROESY

YADAV-69/CDC13



16(R=r2e) ROESY

YADAV-69/CDC13



16 (R=Ph)
1H

mp

Yadav Sample: yadav67/cdc13

Current Data Parameters
 USER qiao
 NAME 70604vy1
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters

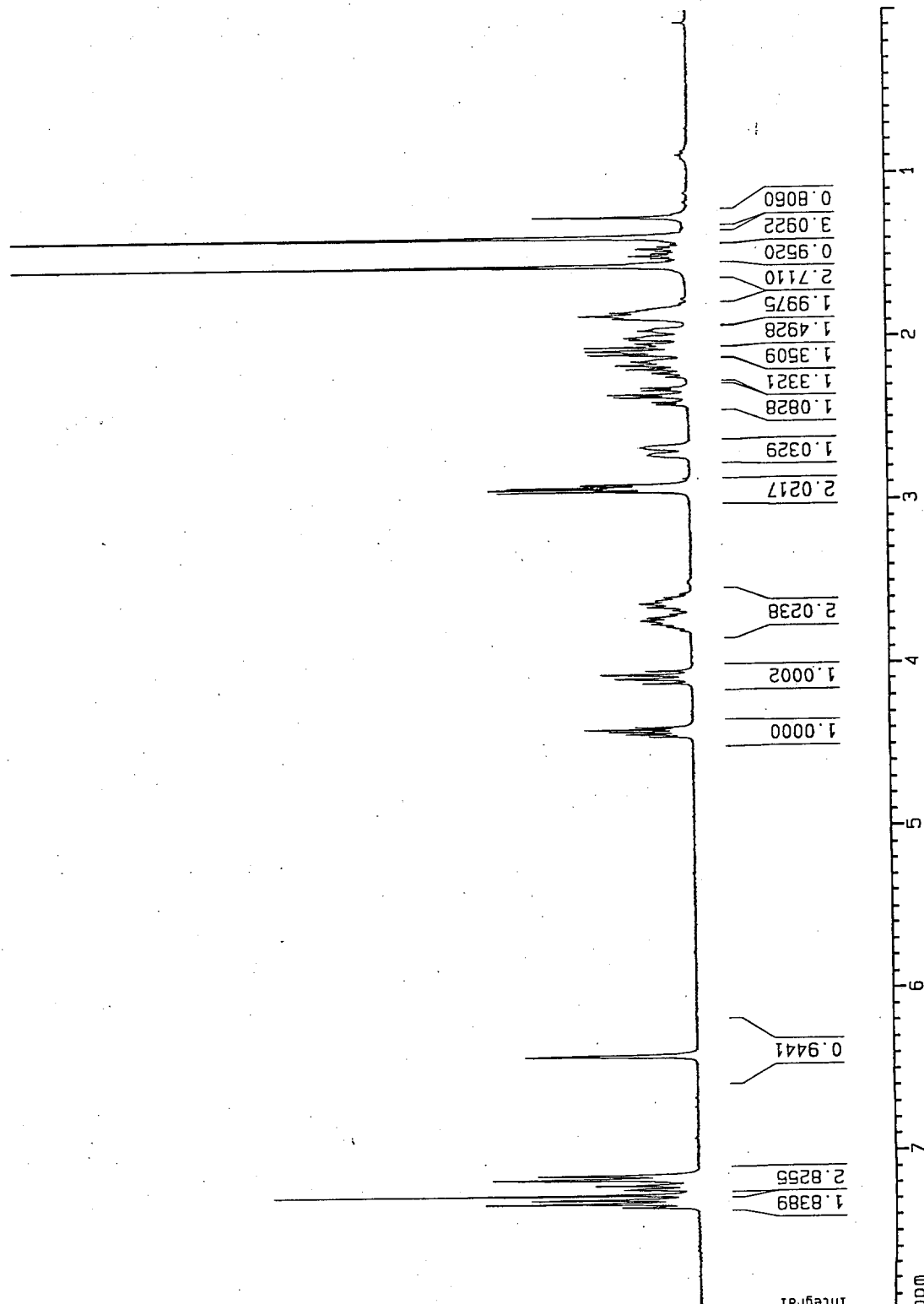
Date_ 970604
 Time 13.52
 INSTRUM amx300
 PROBD 5 mm Multinu
 PULPROG zg30
 TO 16384
 SOLVENT CDC13
 NS 68
 DS 2
 SWH 4202.387 Hz
 FIDRES 0.256493 Hz
 AQ 1.9499340 sec
 RG 4096
 DW 118.980 usec
 DE 148.73 usec
 TE 300.0 K
 HL1 0 dB
 D1 0.50000000 sec
 P1 5.80 usec
 DE 148.73 usec
 SFO1 300.1383000 MHz
 NUCLEUS ¹H

F2 - Processing parameters

SI 16384
 SF 300.1370062 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00
 SR 506.24 Hz

1D NMR plot parameters

CX 20.00 cm
 F1P 8.000 ppm
 F1 2401.10 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.40000 ppm/cm
 HZCM 120.05479 Hz/cm



16 (R=Ph)

1H

Yadav Sample: yadav67/cdc13

Current Data Parameters
 USER Qiao
 NAME 70604vy1
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters

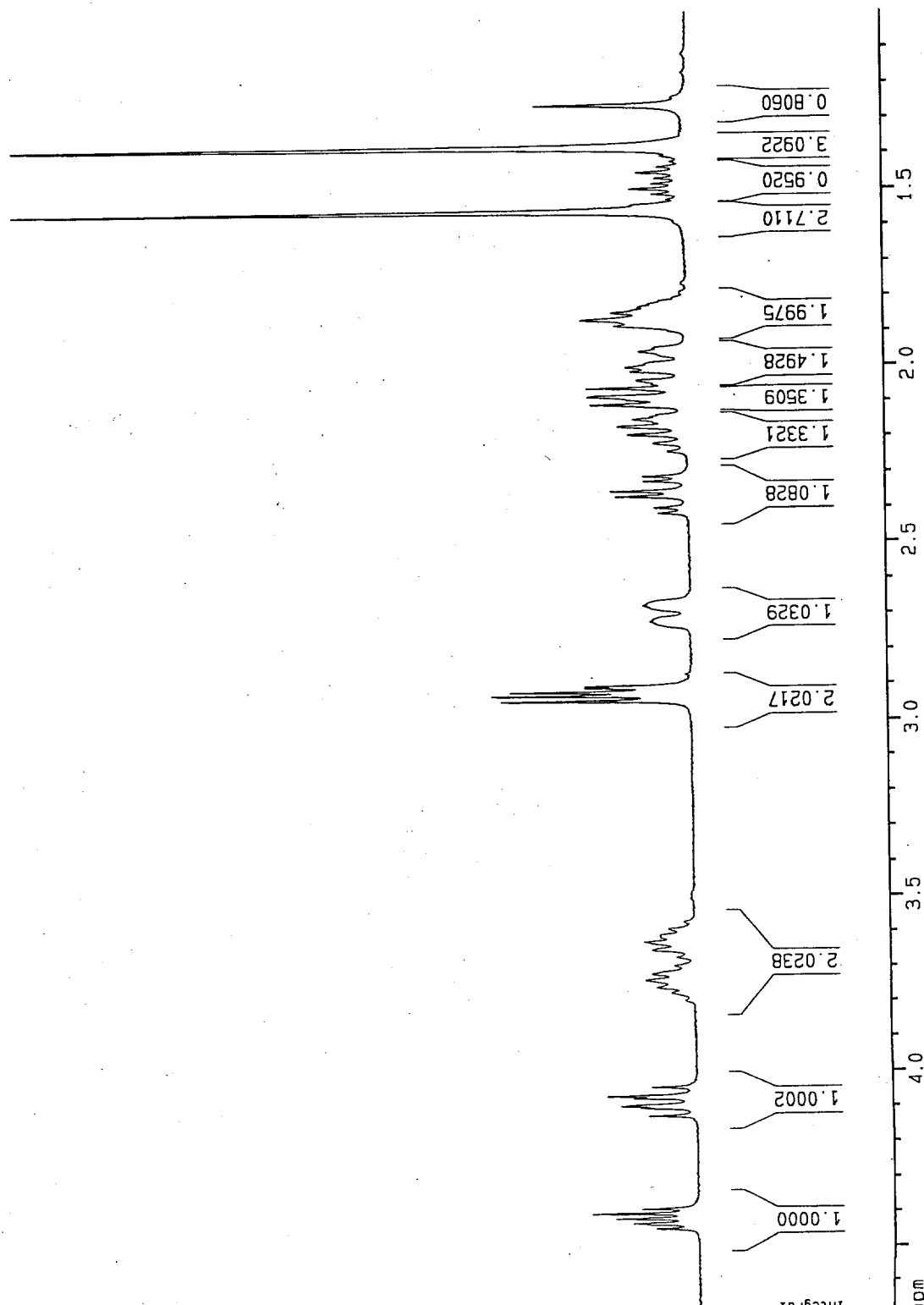
Date_ 970604
 Time 13.52
 INSTRUM emx300
 PROBD 5 mm Multinu
 PULPROG zg30
 TD 16384
 SOLVENT CDCl3
 NS 68
 DS 2
 SWH 4202.387 Hz
 FIDRES 0.256493 Hz
 AQ 1.9499340 sec
 RG 4096
 DW 118.980 usec
 DE 148.73 usec
 TE 300.0 K
 HL1 0 dB
 O1 0.50000000 sec
 P1 5.80 usec
 DE 148.73 usec
 SF01 300.1383000 MHz
 NUCLEUS ¹H

F2 - Processing parameters

SI 16384
 SF 300.1370062 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00
 SR 506.24 Hz

1D NMR plot parameters

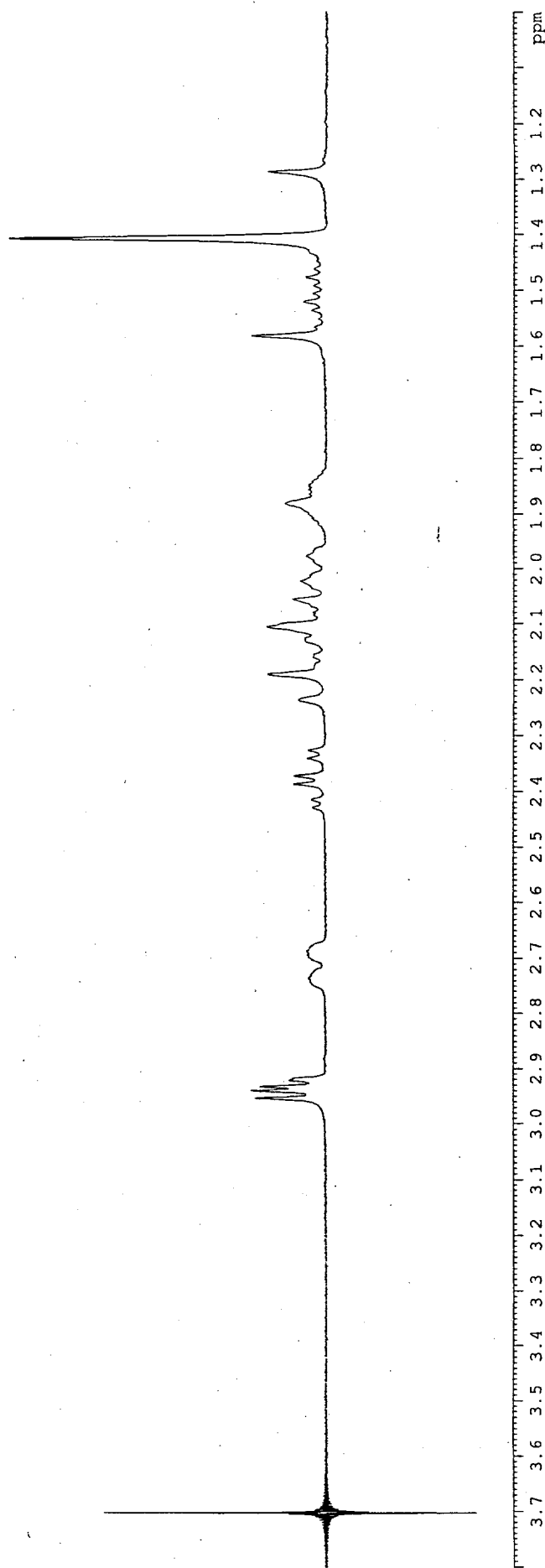
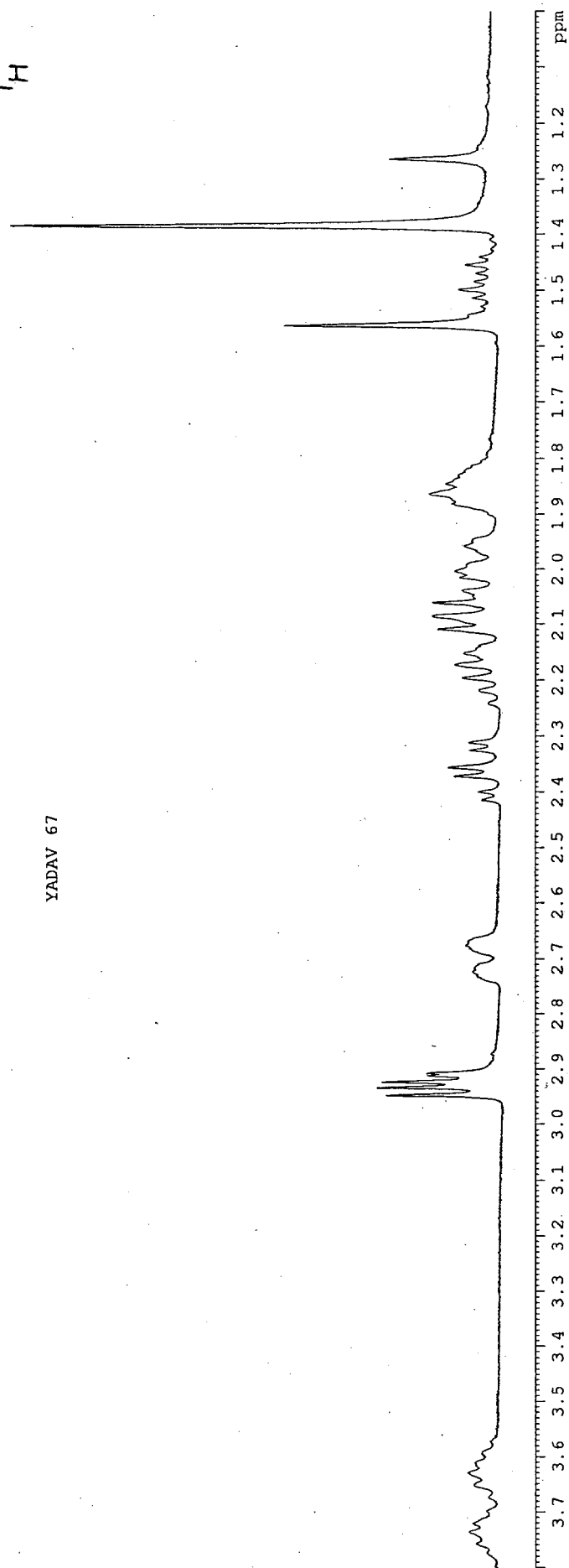
CX 20.00 cm
 F1P 4.700 ppm
 F1 1410.64 Hz
 F2P 1.000 ppm
 F2 300.14 Hz
 PPMCM 0.18500 ppm/cm
 HZCM 55.52534 Hz/cm



16 (R=Ph)

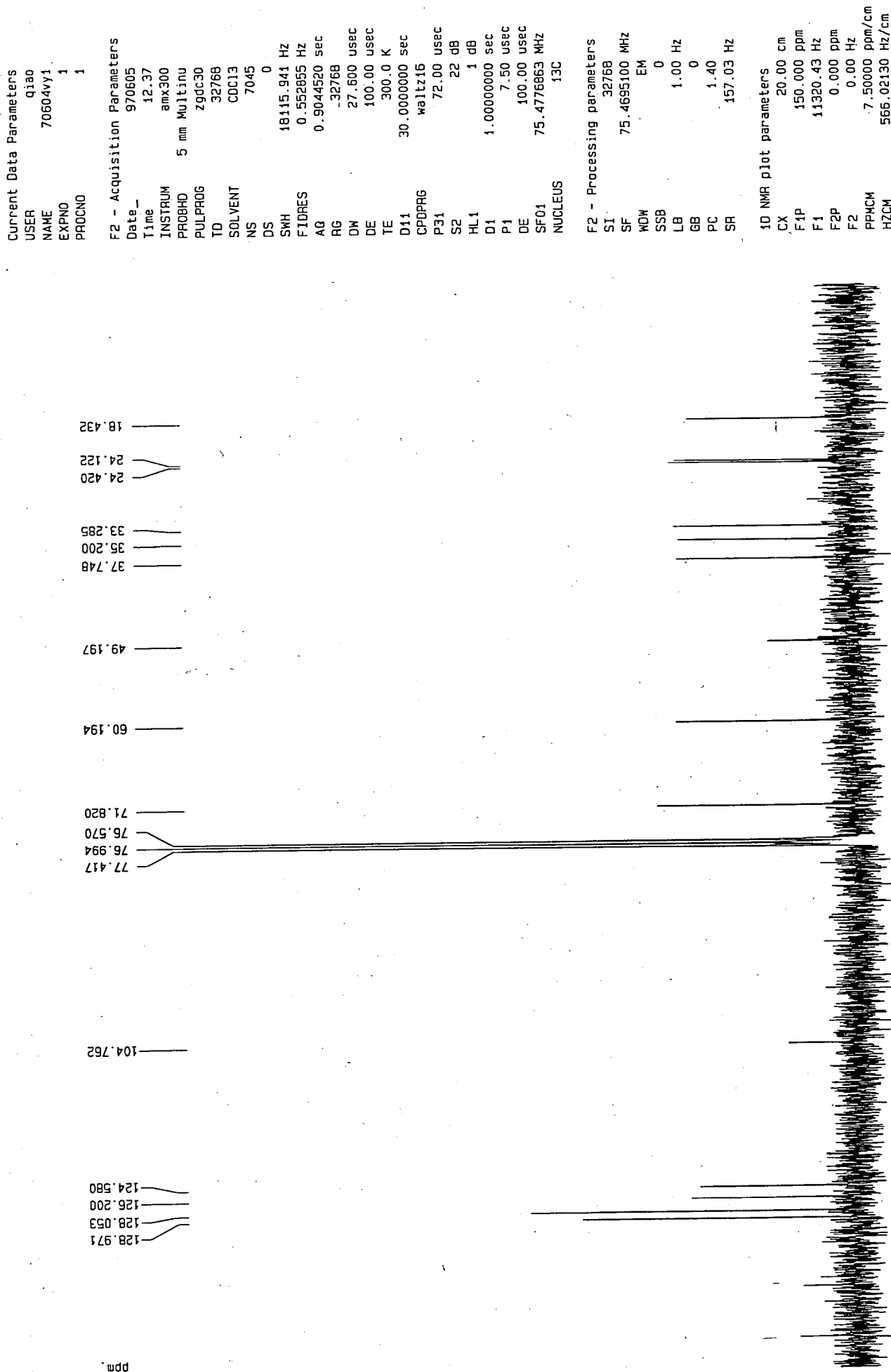
¹H

YADAV 67



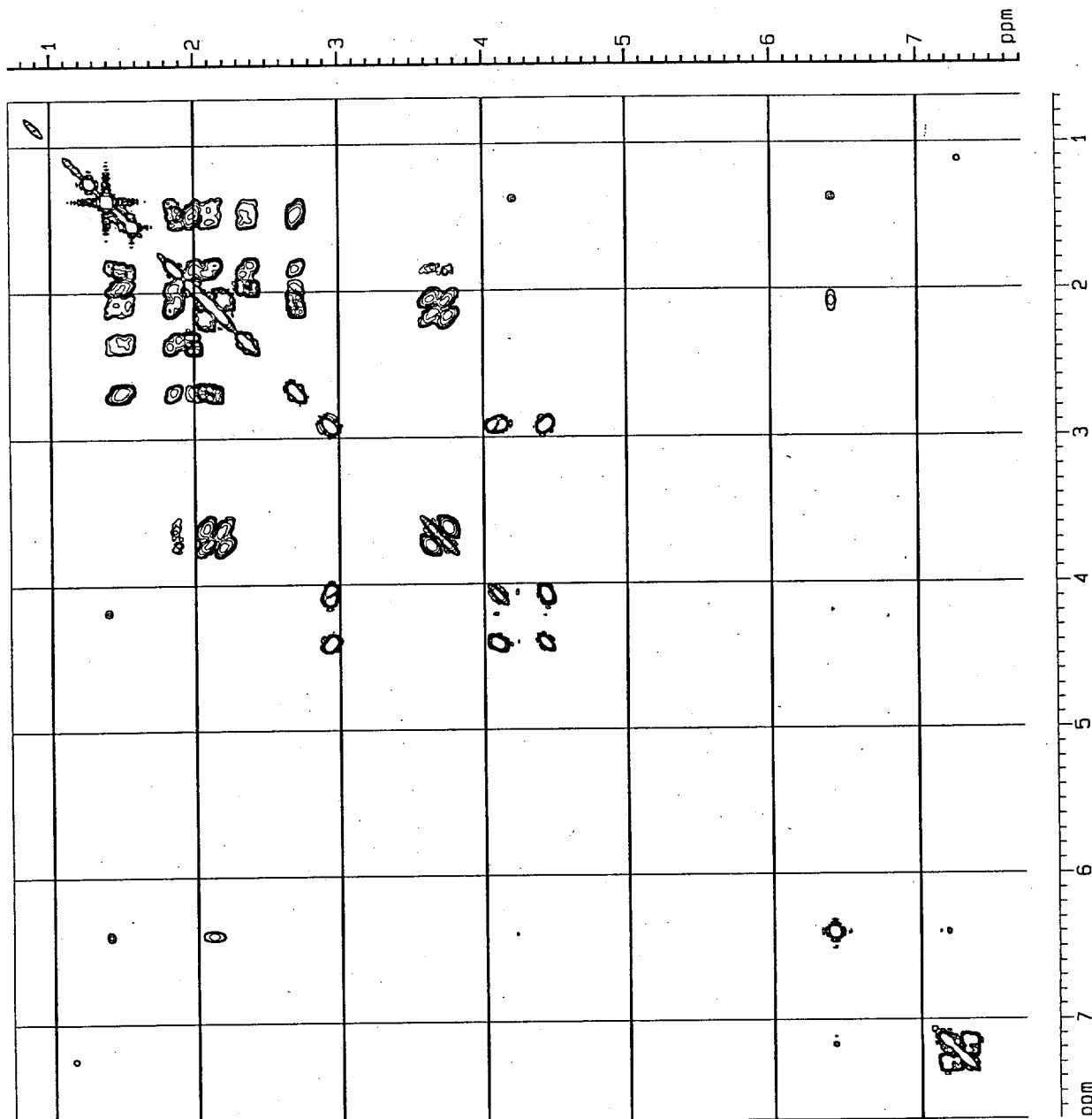
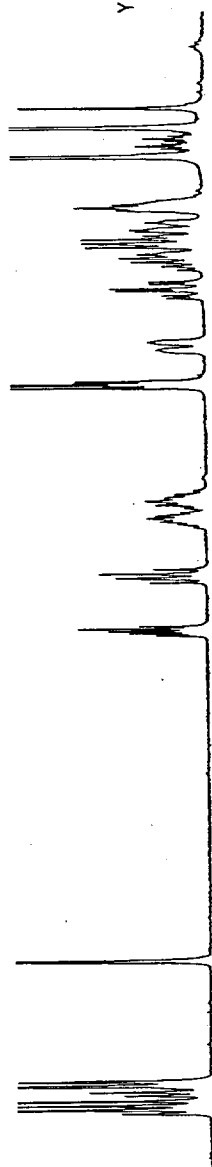
16 (R=Ph) 13C

Yadav Sample: YADAV-67



16 (R=Ph)
COSY

Yadav-67/cdc13



Current Data Parameters
USER q130
NAME 70604y1
EXPNO 3
PROCNO 1

F2 - Acquisition Parameters
Date_ 970604
Time 14.01
INSTRUM amx300
PROBHD 5 mm Multinu
PULPROG zgpg30
TD 512
SOLVENT CDCl3
NS 56
DS 2
SWH 2101.723 Hz
FIDRES 4.104928 Hz
AQ 0.1222806 sec
RG 4096
DQ 237.900 usec
DE 339.86 usec
TE 300.0 K
HL1 0 dB
P1 1.00000000 sec
D0 0.000030 sec
DE 339.86 usec
SF01 300.1362668 MHz
NUCLEUS 1H
IN0 0.00047597 sec

F1 - Acquisition Parameters
ND0 1
TO 256
SF01 300.1362 MHz
FIDRES 8.206908 Hz
SW 7.000 ppm

F2 - Processing parameters
SI 1024
SF 300.1370056 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.40
SR 509.65 Hz

F1 - Processing parameters
SI 1024
MC2 GF
SF 300.1369136 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0

2D NMR plot parameters
CX2 15.00 cm
CX1 15.00 cm
F2PLO 7.690 ppm
F2LO 2308.03 Hz
F2PHI 0.587 ppm
F2HI 206.31 Hz
F1PLO 7.708 ppm
F1LO 2313.60 Hz
F1PHI 0.708 ppm
F1HI 212.63 Hz
F2PPNOM 0.46584 ppm/cm
F2ZCN 140.11490 Hz/cm
F1PPNOM 0.46567 ppm/cm
F1ZCN 140.06455 Hz/cm

16(R=Ph)COSY

Yadav-67/cdc13

Current Data Parameters
 USER q130
 NAME 70604y1
 EXPNO 3
 PROCNO 1

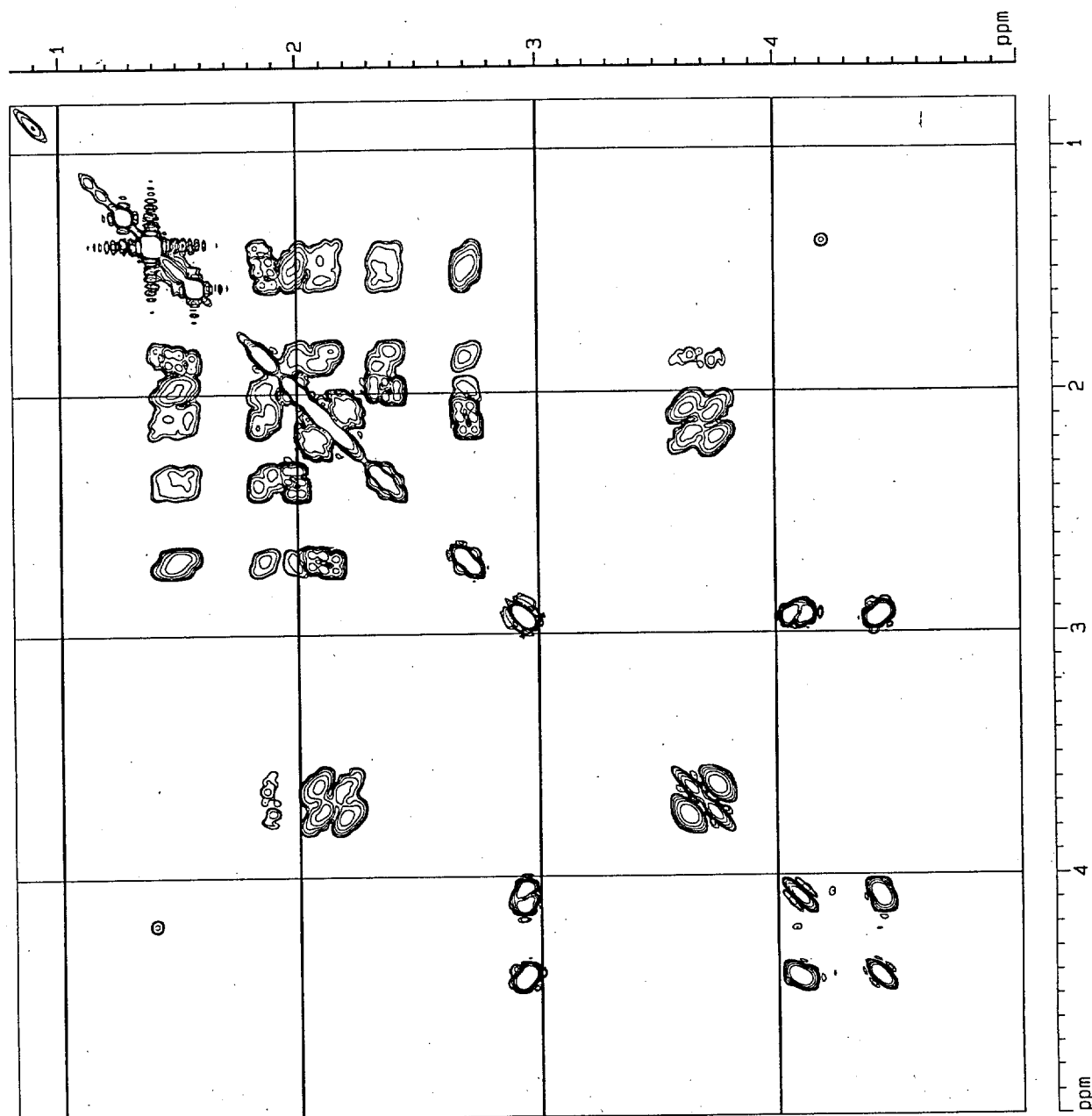
F2 - Acquisition Parameters
 Data_ 970604
 Time 14.01
 INSTRUM am300
 PULPROG 5 mm Multinu
 TO COSY41
 SOLVENT CDCl3
 NS 56
 DS 2
 SMH 2101.723 Hz
 FIDRES 4.104928 Hz
 AQ 0.1222808 sec
 RG 4096
 DM 237.900 usec
 DE 339.96 usec
 TE 300.0 K
 HL1 0 dB
 D1 1.00000000 sec
 P1 5.80 usec
 D0 0.000030 sec
 DE 339.66 usec
 SF01 300.1352668 MHz
 NUC16S 1H
 INQ 0.00047597 sec

F1 - Acquisition parameters
 N00 1
 TO 256
 SF01 300.1382 MHz
 FIDRES 8.206908 Hz
 SW 7.000 ppm

F2 - Processing parameters
 SI 1024
 SF 300.1370055 MHz
 NQW SINE
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.40
 SN 505.45 Hz

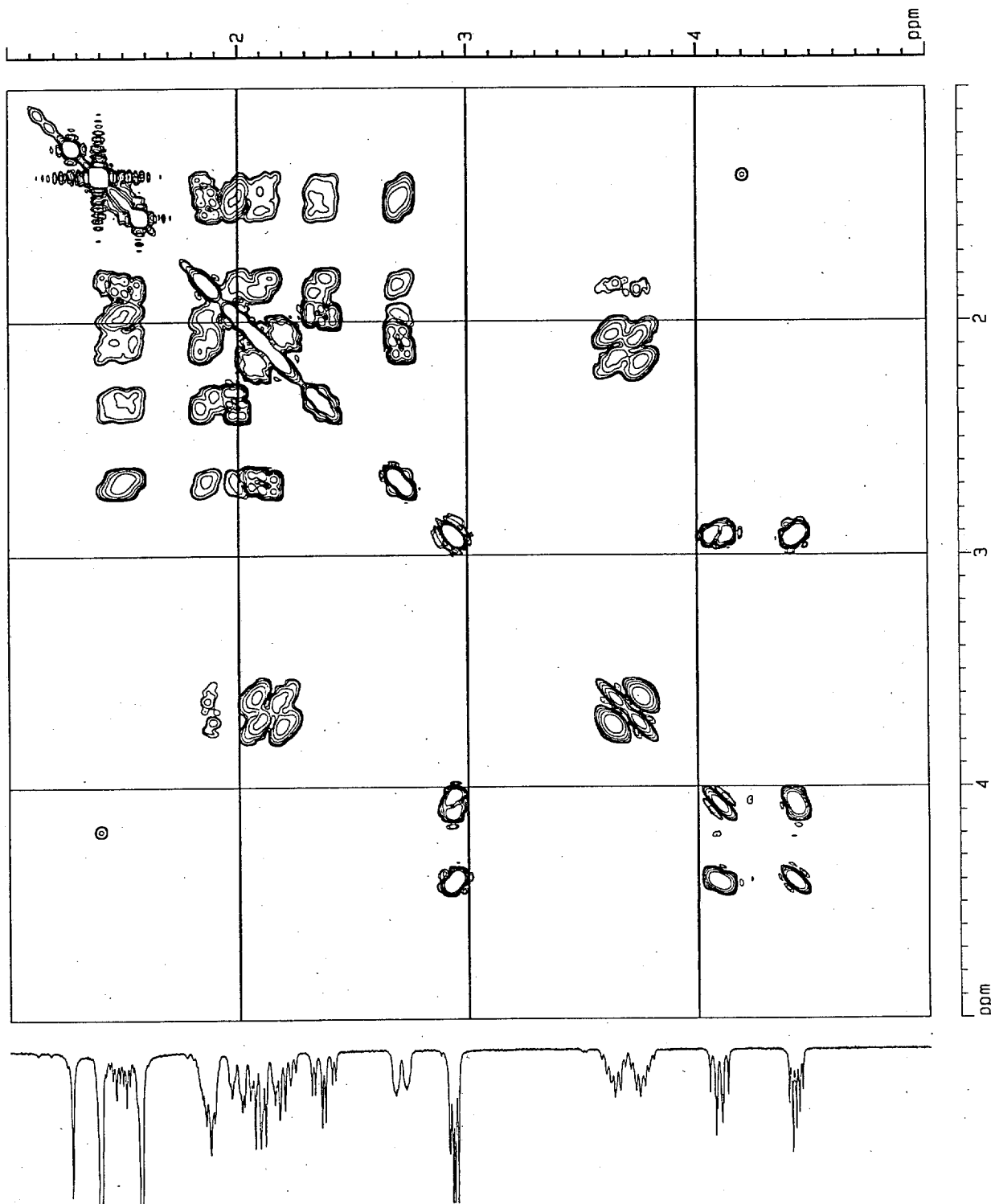
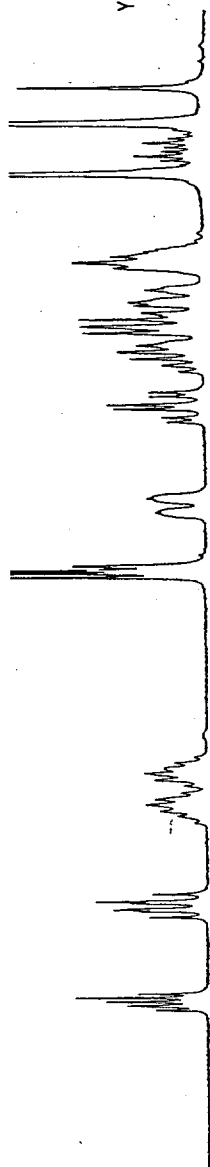
F1 - Processing parameters
 SI 1024
 MC2 GF
 SF 300.1369141 MHz
 NQW SINE
 SSB 0
 LB 0.00 Hz
 GB 0

2D NMR plot parameters
 CX2 15.00 cm
 CX1 15.00 cm
 F2RLO 5.000 ppm
 F2LO 1500.68 Hz
 F2PHI 0.600 ppm
 F2H1 240.11 Hz
 F1PLO 5.000 ppm
 F1LO 1500.68 Hz
 F1PHI 0.600 ppm
 F1H1 240.11 Hz
 F2PPMCH 0.28000 ppm/cm
 F2HZCM 84.03935 Hz/cm
 F1PPMCH 0.28000 ppm/cm
 F1HZCM 84.03933 Hz/cm



16 (R = Ph) COSY

Yadav-67/cdc13



Current Data Parameters

USER	q190
NAME	70504v1
EXPNO	3
PROCNO	1

F2 - Acquisition Parameters

Date_	970604
Time	14.01
INSTRUM	amx300
PROBHD	5 mm Multinu
PULPROG	(cosy45)
TD	512
SOLVENT	CDCl3
NS	96
DS	2
SWH	2101.723 Hz
FIDRES	4.104926 Hz
AQ	0.1222605 sec
RG	4096
DM	237.900 usec
DE	339.86 usec
TE	300.0 K
HL1	0 dB
D1	1.00000000 sec
P1	5.80 usec
D0	0.0000030 sec
DE	339.86 usec
SFO1	300.1362668 MHz
NUCLEUS	1H
INQ	0.00047597 sec

F1 - Acquisition Parameters

MD0	1
TD	256
SFO1	300.1362 MHz
FIDRES	8.206908 Hz
SW	7.000 ppm

F2 - Processing parameters

SI	1024
SF	300.1370056 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0
PC	1.40
SR	509.65 Hz

F1 - Processing parameters

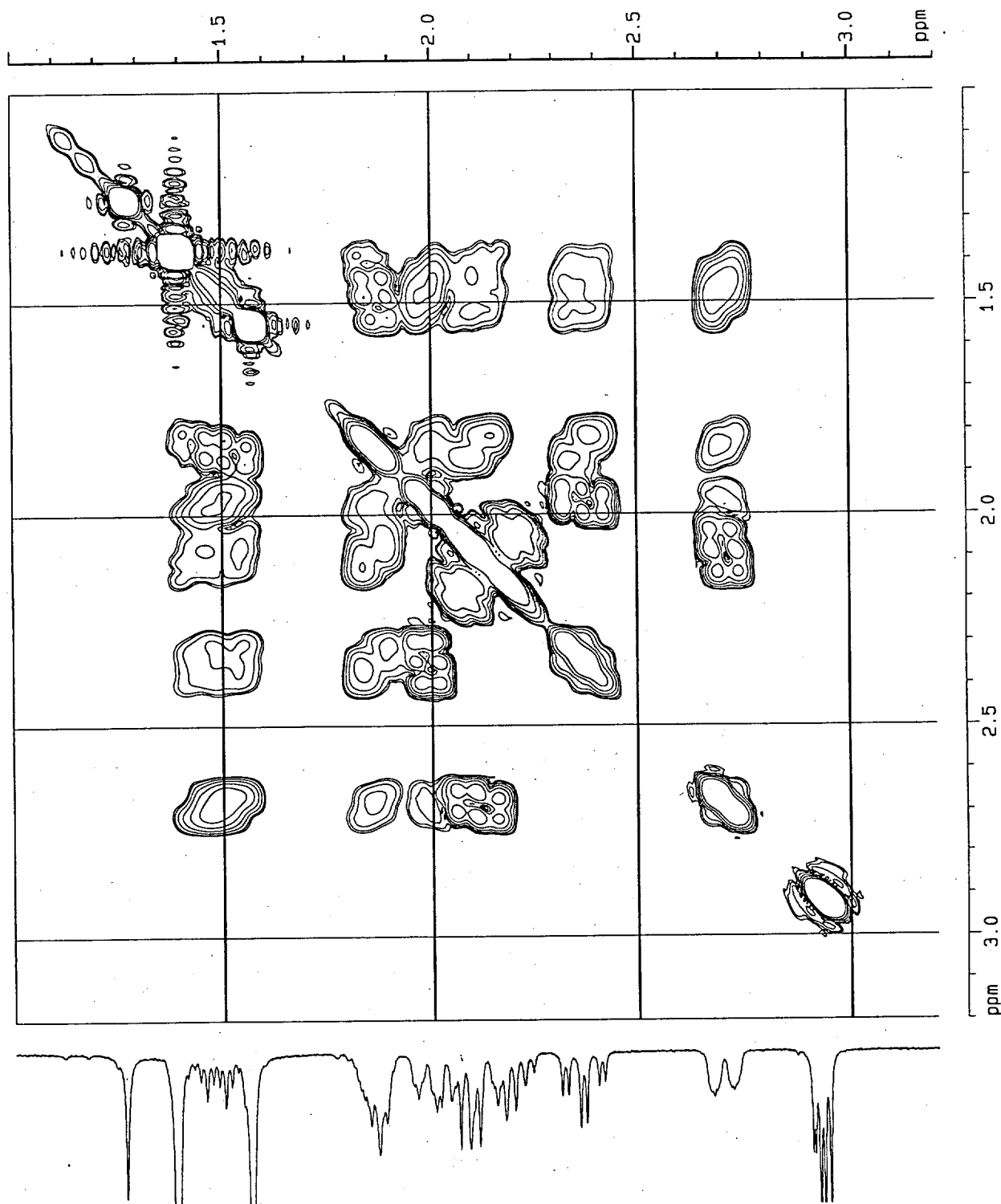
SI	1024
MC2	0
SF	300.1369136 MHz
WDW	SINE
SSB	0
LB	0.00 Hz
GB	0
PC	1.40
SR	509.65 Hz

2D NMR plot parameters

CX2	15.00 cm
CX1	15.00 cm
F2PLO	5.000 ppm
F2LO	1500.69 Hz
F2PHI	1.000 ppm
F2HI	300.14 Hz
F1PLO	5.000 ppm
F1LO	1500.68 Hz
F1PHI	1.000 ppm
F1HI	300.14 Hz
F2PPMCM	0.26567 ppm/cm
F2HZCM	80.03554 Hz/cm
F1PPMCM	0.26567 ppm/cm
F1HZCM	80.03551 Hz/cm

16(R=Ph)COSY

Yadav-67/cdc13



Current Data Parameters
 USER qiao
 NAME 70604vy1
 EXPNO 3
 PROCNO 1

F2 - Acquisition Parameters

Date_ 970504
 Time 14.01
 INSTRUM amx300
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TO 512
 SOLVENT CDCl3
 NS 56
 DS 2
 SWH 2101.723 Hz
 FIDRES 4.104528 Hz
 AQ 0.1222806 sec
 RG 4096
 DW 237.900 usec
 DE 339.86 usec
 TE 300.0 K
 HL1 0 dB
 D1 1.00000000 sec
 P1 5.80 usec
 D0 0.0000030 sec
 DE 339.86 usec
 SF01 300.1362668 MHz
 NUCLEUS 1H
 INO 0.00047597 sec

F1 - Acquisition Parameters

NUC0 1
 TO 256
 SF01 300.1362 MHz
 FIDRES 8.208908 Hz
 SW 7.000 ppm

F2 - Processing Parameters

SI 1024
 SF 300.1370096 MHz
 WDW SINE
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.40
 SC 509.65 Hz

F1 - Processing Parameters

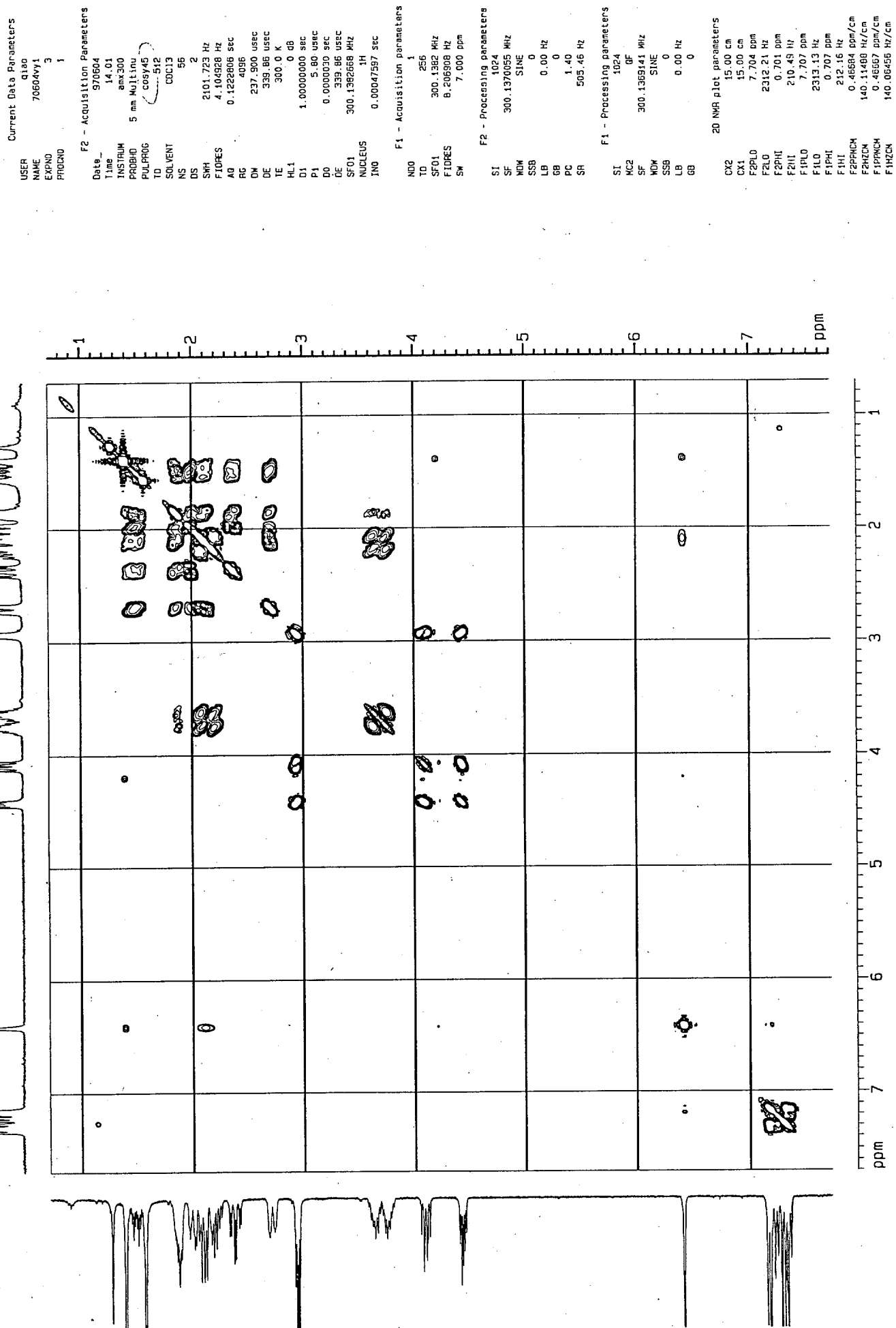
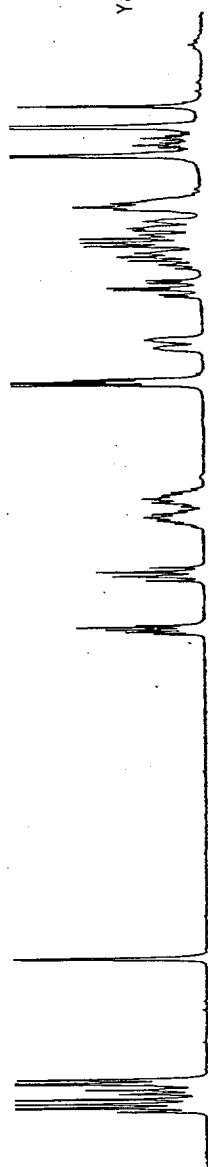
SI 1024
 MC2 GF
 SF 300.1369136 MHz
 WDW SINE
 SSB 0
 LB 0.00 Hz
 GB 0

2D NMR plot parameters

CX2 15.00 cm
 CX1 15.00 cm
 F2PLO 3.200 ppm
 F2LO 960.44 Hz
 F2PHI 1.000 ppm
 F2HI 300.14 Hz
 F1PLO 3.200 ppm
 F1LO 960.44 Hz
 F1PHI 1.000 ppm
 F1HI 300.14 Hz
 F2PACH 0.14567 ppm/cm
 F2HZCM 44.02010 Hz/cm
 F1PACH 0.14567 ppm/cm
 F1HZCM 44.02008 Hz/cm

16 (E-Ph) COSY

Yadav-67/cdc13



16 (R=H) ROESY

Yadav67/cdcl3 roesy

Current Data Parameters
 USER qiao
 NAME 70604v1
 EXPNO 4
 PROCNO 1

F2 - Acquisition Parameters

Date_ / /
 Time 18.47
 INSTRUM aw300
 PROBHD 5 mm Multinu
 PULPROG zgpg30
 TD 1024
 SOLVENT cdcl3
 NS 56
 DS 4
 SWH 2101.725 Hz
 FIDRES 2.052464 Hz
 AQ 0.2440854 sec
 RG 8192
 DM 237.900 usec
 DE 339.86 usec
 TE 300.0 K
 HL1 0 dB
 D1 1.50000000 sec
 D12 0.000200 sec
 P1 5.80 usec
 D13 0.000040 sec
 D0 0.000030 sec
 HL4 30 dB
 P15 400000.00 usec
 DE 339.86 usec
 SF01 300.1362668 MHz
 NUCLEUS 1H
 INO 0.00023759 sec

F1 - Acquisition Parameters

NOU 2
 TD 512
 SF01 300.1362 MHz
 FIDRES 4.103452 Hz
 SW 7.000 ppm

F2 - Processing parameters

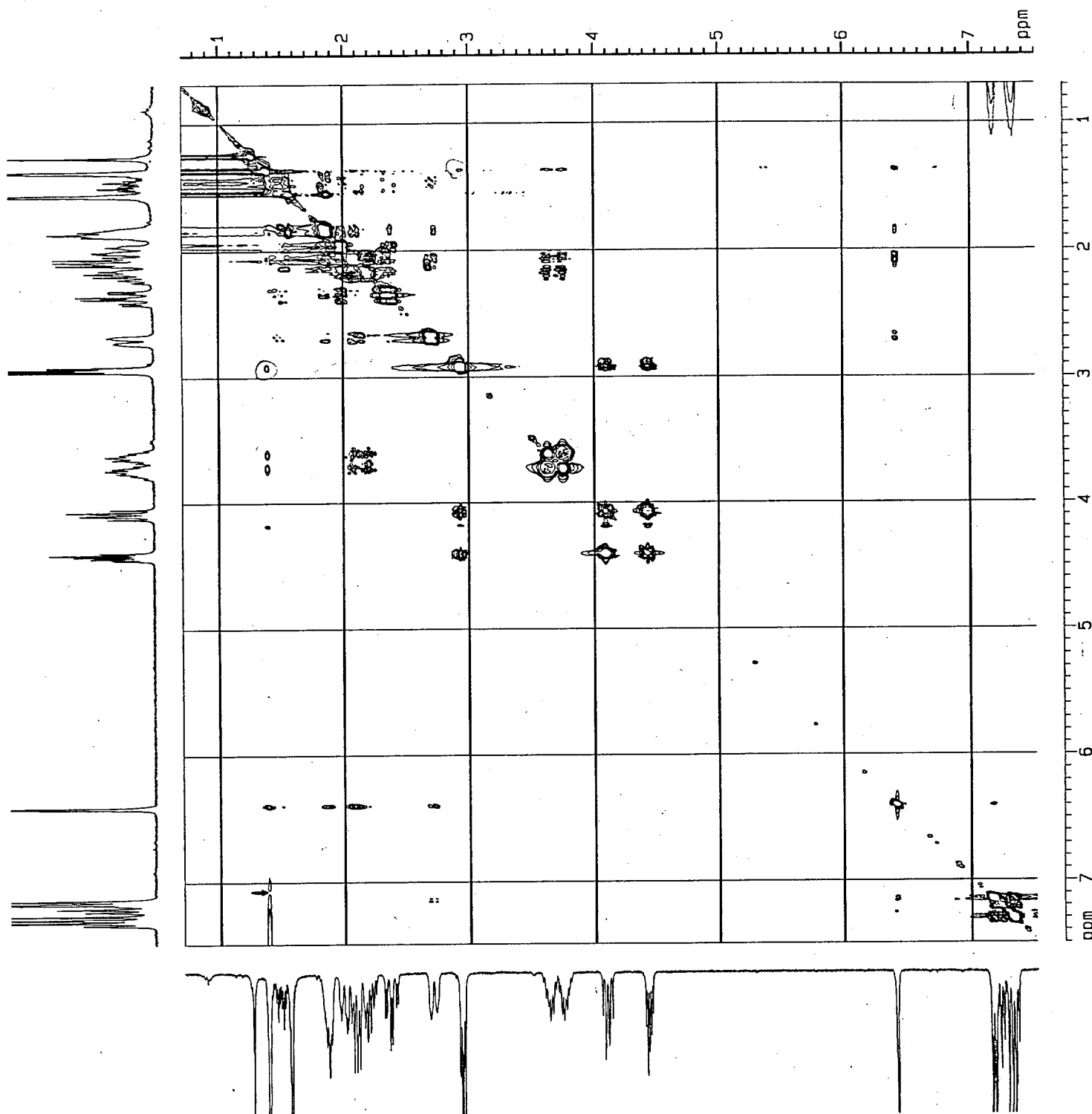
SI 1024
 SF 300.1370099 MHz
 WDW OSINE
 SSB 2
 LB 0.00 Hz
 GB 0
 PC 1.40
 SR 509.95 Hz

F1 - Processing parameters

SI 1024
 MC2 TPPI
 SF 300.1369139 MHz
 WDW OSINE
 SSB 2
 LB 0.00 Hz
 GB 0

2D INR plot parameters

CX2 15.00 cm
 CX1 15.00 cm
 F2PLO 7.500 ppm
 F2LO 2251.03 Hz
 F2PHI 0.606 ppm
 F2HI 205.01 Hz
 F1PLO 7.500 ppm
 F1LO 2251.03 Hz
 F1PHI 0.707 ppm
 F1HI 212.33 Hz
 F2PRICH 0.45424 ppm/cm
 F2ZCH 135.33476 Hz/cm
 F1PPACH 0.45384 ppm/cm
 F1HZCH 135.91232 Hz/cm



16 (R=Ph) ROESY

Yadav67/cdc13 roesy

Current Data Parameters

USER Q130
NAME 706044V1
EXPNO 4
PROCNO 1

F2 - Acquisition Parameters

Date_ 9/0004
Time 19.47
INSTRUM amx300
PROBHD 5 mm Multinu
PULPROG roesytp
TD 1024
SOLVENT cdc13
NS 56
DS 4
SWH 2101.723 Hz
FIDRES 2.052464 Hz
AQ 0.2440854 sec
RG 8192
DM 237.900 usec
DE 339.86 usec
TE 300.0 K
0.00
HL1 1.50000000 sec
0.0000200 sec
P1 5.80 usec
D13 0.0000040 sec
D0 0.0000030 sec
H4 30 dB
P15 400000.00 usec
DE 339.86 usec
SFO1 300.1382658 MHz
NUCLEUS 1H
INQ 0.00023769 sec

F1 - Acquisition Parameters

NO 512
TD 300.1382 MHz
SFO1 4.103452 Hz
FIDRES 7.000 ppm
SW

F2 - Processing parameters

SI 1024
SF 300.1370099 MHz
WDW GSI
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
SR 509.95 Hz

F1 - Processing parameters

SI 1024
WDW GSI
SSB 2
LB 0.00 Hz
GB 0

2D NMR plot parameters

CX2 15.00 cm
CX1 15.00 cm
F2PUL 6.506 ppm
F2LO 1992.65 Hz
F2PHI 1.000 deg
F2H 300.14 Hz
F1PUL 6.504 ppm
F1LO 1992.20 Hz
F1PHI 1.000 deg
F1H 300.14 Hz
F2PPHOM 0.36706 ppm/cm
F2PHOM 110.18775 Hz/cm
F1PPHOM 0.35595 ppm/cm
F1PHOM 110.13731 Hz/cm

