

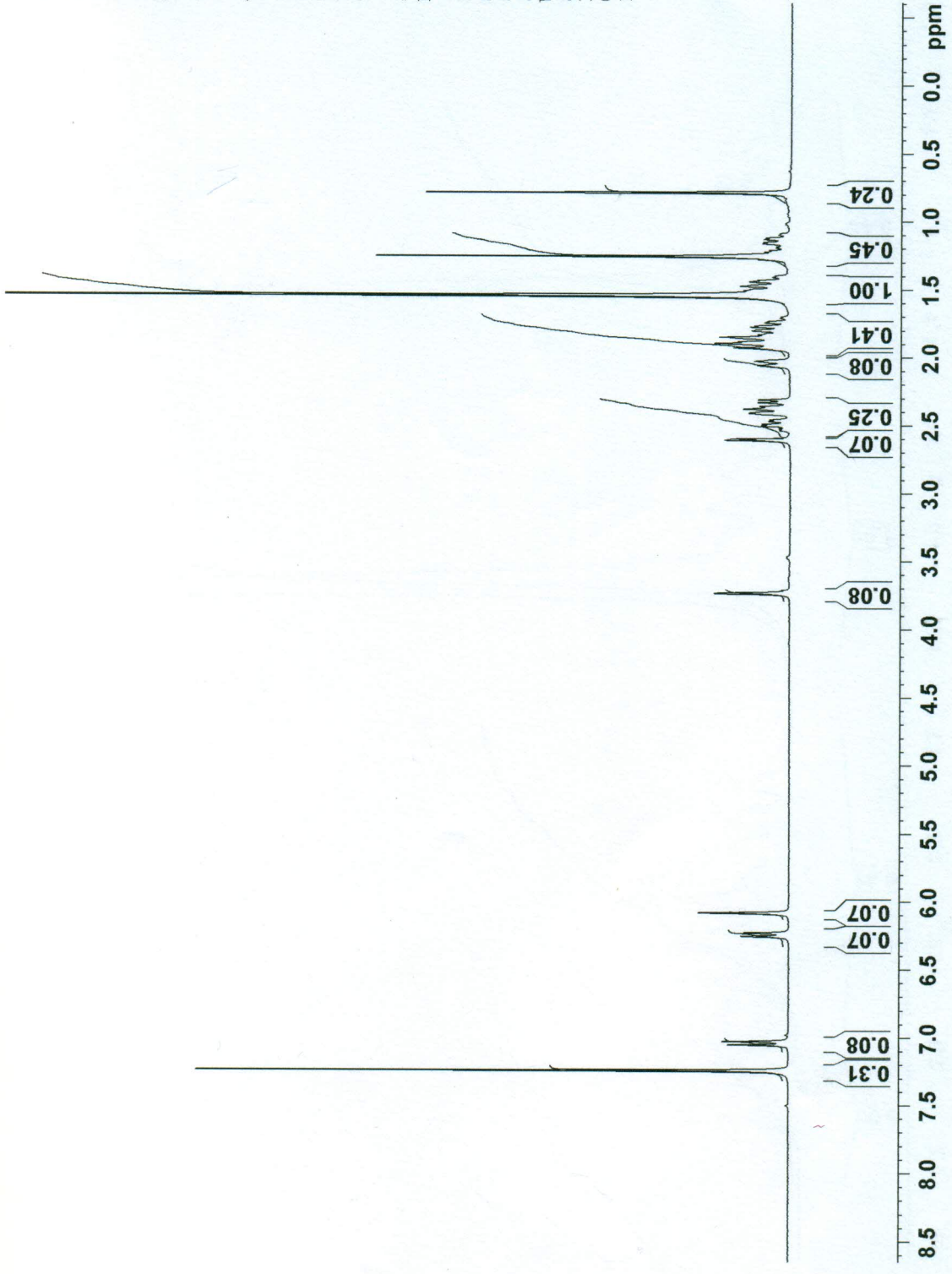
INVOICE 400-A  
LAB. No. 109

Salman/Dr, Iqbal/TGF7-3-2/

1.255  
1.429  
1.440  
1.472  
1.497  
1.504  
1.541  
1.732  
1.741  
1.764  
1.773  
1.801  
1.830  
1.847  
1.880  
1.894  
1.926  
2.025  
2.058  
2.310  
2.330  
2.358  
2.377  
2.407  
2.456  
2.467  
2.490  
2.500  
2.523  
2.534  
2.601  
2.606  
3.733  
  
6.082  
6.228  
6.231  
6.253  
  
7.024  
7.049  
7.240

NAME  
EXPNO 1  
PROCNO 1  
Date\_ 20091009  
Time 9.46  
INSTRUM spect  
PROBHD 5 mm Dual 13C/  
PULPROG zg30  
TD 32768  
SOLVENT CDCl3  
NS 128  
DS 0  
SWH 8012.820 Hz  
FIDRES 0.244532 Hz  
AQ 2.0447731 sec  
RG 512  
DW 62.400 usec  
DE 6.50 usec  
TE 300.2 K  
D1 1.00000000 sec  
TD0 1

==== CHANNEL f1 =====  
NUC1 1H  
P1 8.10 usec  
PL1 4.00 dB  
SFO1 400.2328016 MHz  
SI 16384  
SF 400.2300132 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 2.00



AVANCE AV 600  
LAB. No. 108



NAME Oct 29

EXPNO 6

PROCNO 1

Date 20091029

Time 20.10

INSTRUM spect

PROBHD 5 mm CPTCI 1H-

PULPROG zgpg

TD 65536

SOLVENT CDCl3

NS 12288

DS 2

SWH 35971.223 Hz

FIDRES 0.548877 Hz

AQ 0.9110143 sec

RG 32768

DW 13.900 usec

DE 6.50 usec

TE 294.4 K

D1 1.50000000 sec

D11 0.03000000 sec

TDO 12

==== CHANNEL f1 =====

NUC1 13C

P1 16.00 usec

PL1 2.00 dB

PL1W 66.40702820 W

SFO1 150.9453107 MHz

==== CHANNEL f2 =====

CPDPRG2 waltz16

NUC2 1H

PCPD2 65.00 usec

PL2 3.30 dB

PL12 22.06 dB

PL13 27.00 dB

PL2W 9.16420078 W

PL12W 0.12192553 W

PL13W 0.03909260 W

SFO2 600.2336014 MHz

SI 32768

SF 150.9279540 MHz

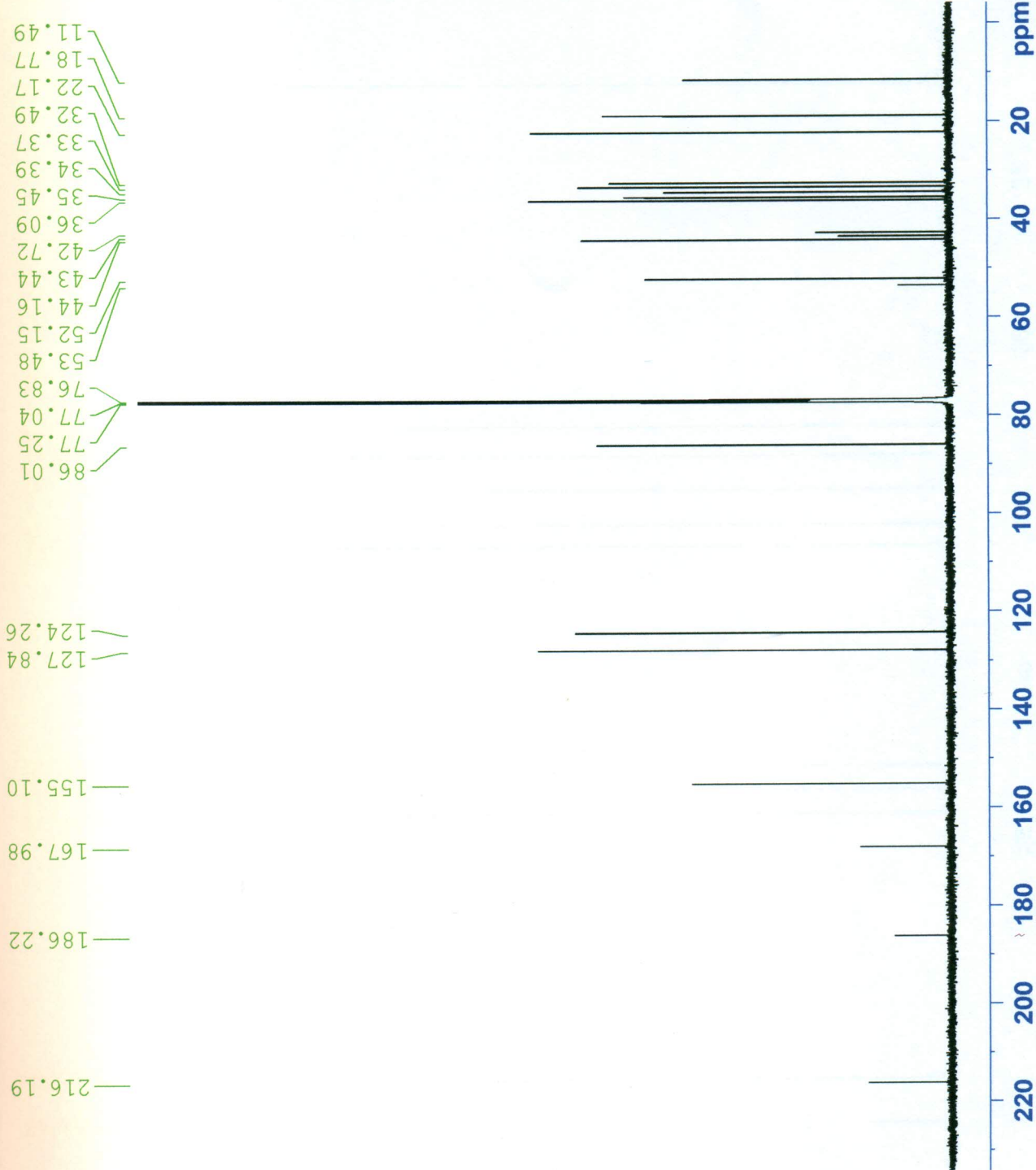
WDW EM

SSB 0

LB 1.00 Hz

GB 0

PC 1.40





AVANCE AV 300  
LAB. NO. 100

Sample: TGF 132

155.10

127.84

124.26

86.01

77.24

52.15

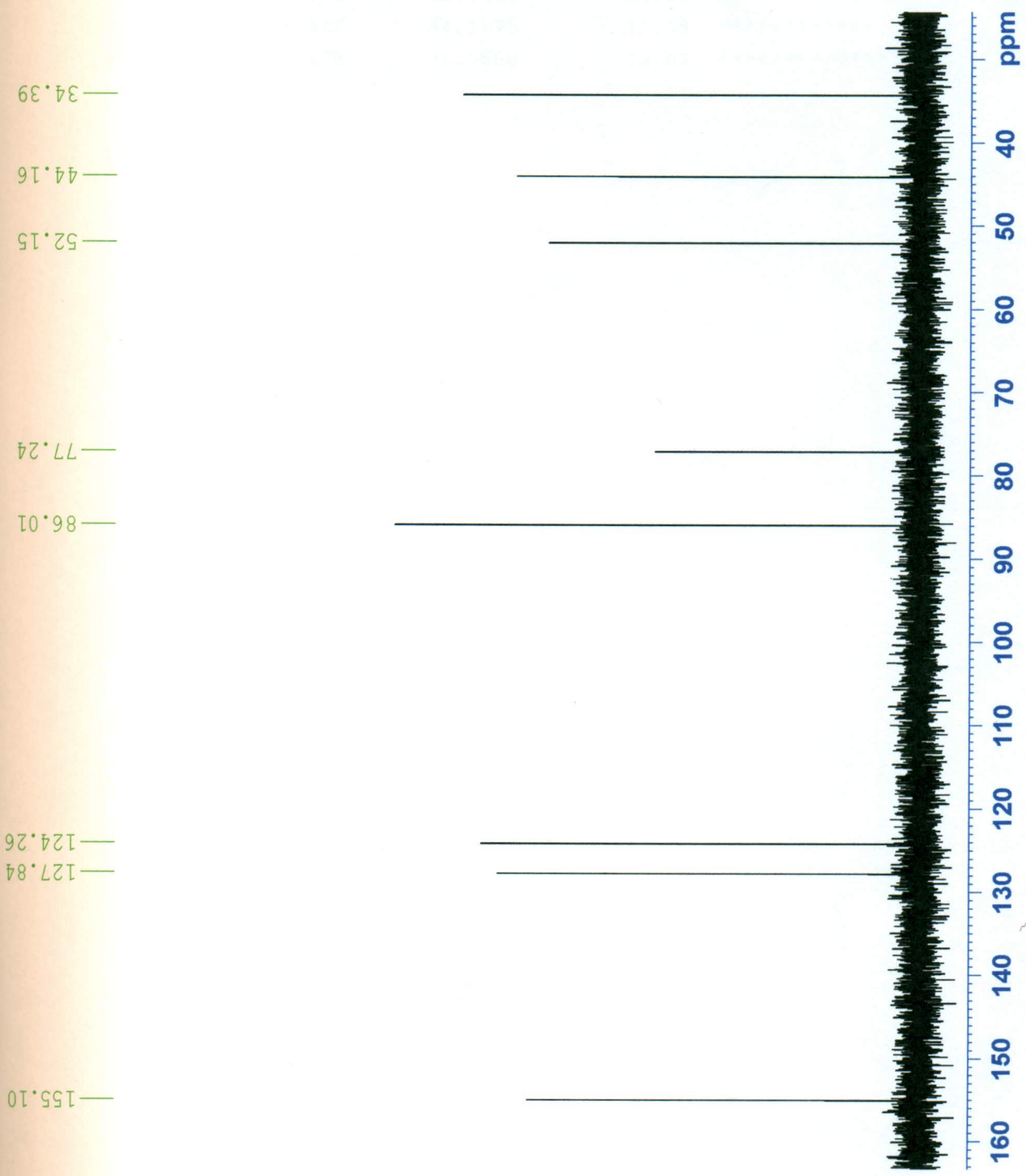
44.16

34.39

NAME Oct 29  
 EXPNO 8  
 PROCNO 1  
 Date 20091030  
 Time 8.23  
 INSTRUM spect  
 PROBHD 5 mm CPTCI 1H-  
 PULPROG deptspp90  
 TD 65536  
 SOLVENT CDCl3  
 NS 361  
 DS 2  
 SWH 30303.031 Hz  
 FIDRES 0.462388 Hz  
 AQ 1.0814105 sec  
 RG 32768  
 DW 16.500 usec  
 DE 6.50 usec  
 TE 293.8 K  
 CNST2 145.0000000  
 D1 1.50000000 sec  
 D2 0.00344828 sec  
 D12 0.00002000 sec  
 TD0 6

==== CHANNEL f1 =====  
 NUC1 13C  
 P1 16.00 usec  
 PL2 2000.00 usec  
 PL0 120.00 dB  
 PL1 2.00 dB  
 FLOW 0.00000000 W  
 PL1W 66.40702820 W  
 SF01 150.9430463 MHz  
 SP2 1.99 dB  
 SPNAM2 Crp60comp.4  
 SFOAL2 0.500  
 SPOFFS2 0.00 Hz

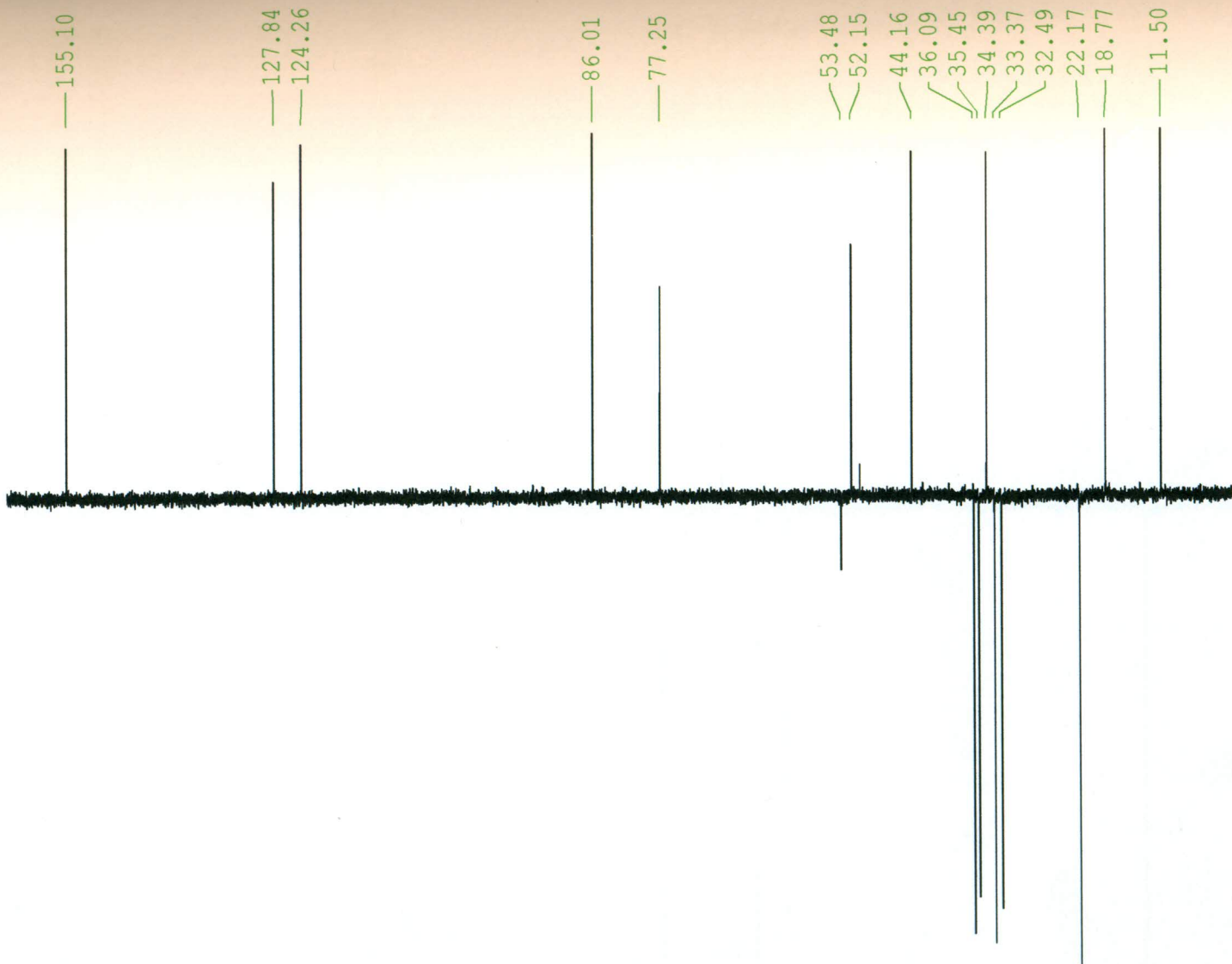
==== CHANNEL f2 =====  
 CPDPRG2 waltz16  
 NUC2 1H  
 P3 7.50 usec  
 P4 15.00 usec  
 PCPD2 65.00 usec  
 PL2 3.30 dB  
 PL12 22.06 dB  
 PL2W 9.16420078 W  
 PL12W 0.12192553 W  
 SFO2 600.2324009 MHz  
 SI 32768  
 SF 150.9279540 MHz  
 WDW EM  
 SSB 0  
 LB 1.00 Hz  
 GB 0  
 PC 1.40



Sample: TGF732



ADVANCE AV 500  
LAB. NO. 108



NAME Oct 29  
 EXPNO 7  
 PROCNO 1  
 Date\_ 20091030  
 Time\_ 4.40  
 INSTRUM spect  
 PROBHD 5 mm CPTCI 1H-  
 PULPROG deptspl35  
 TD 65536  
 SOLVENT CDCl3  
 NS 5755  
 DS 2  
 SWH 30303.031 Hz  
 FIDRES 0.462388 Hz  
 AQ 1.0814105 sec  
 RG 32768  
 DW 16.500 usec  
 DE 6.50 usec  
 TE 293.6 K  
 CNST2 145.0000000  
 D1 1.50000000 sec  
 D2 0.00344828 sec  
 D12 0.00002000 sec  
 TD0 6

===== CHANNEL f1 =====  
 NUC1 13C  
 P1 16.00 usec  
 P12 2000.00 usec  
 PL0 120.00 dB  
 PL1 2.00 dB  
 PLOW 0.00000000 W  
 PL1W 66.40702820 W  
 SFO1 150.9430463 MHz  
 SP2 1.99 dB  
 SPNAM2 Crp60comp.4  
 SPOAL2 0.500  
 SPOFFS2 0.00 Hz

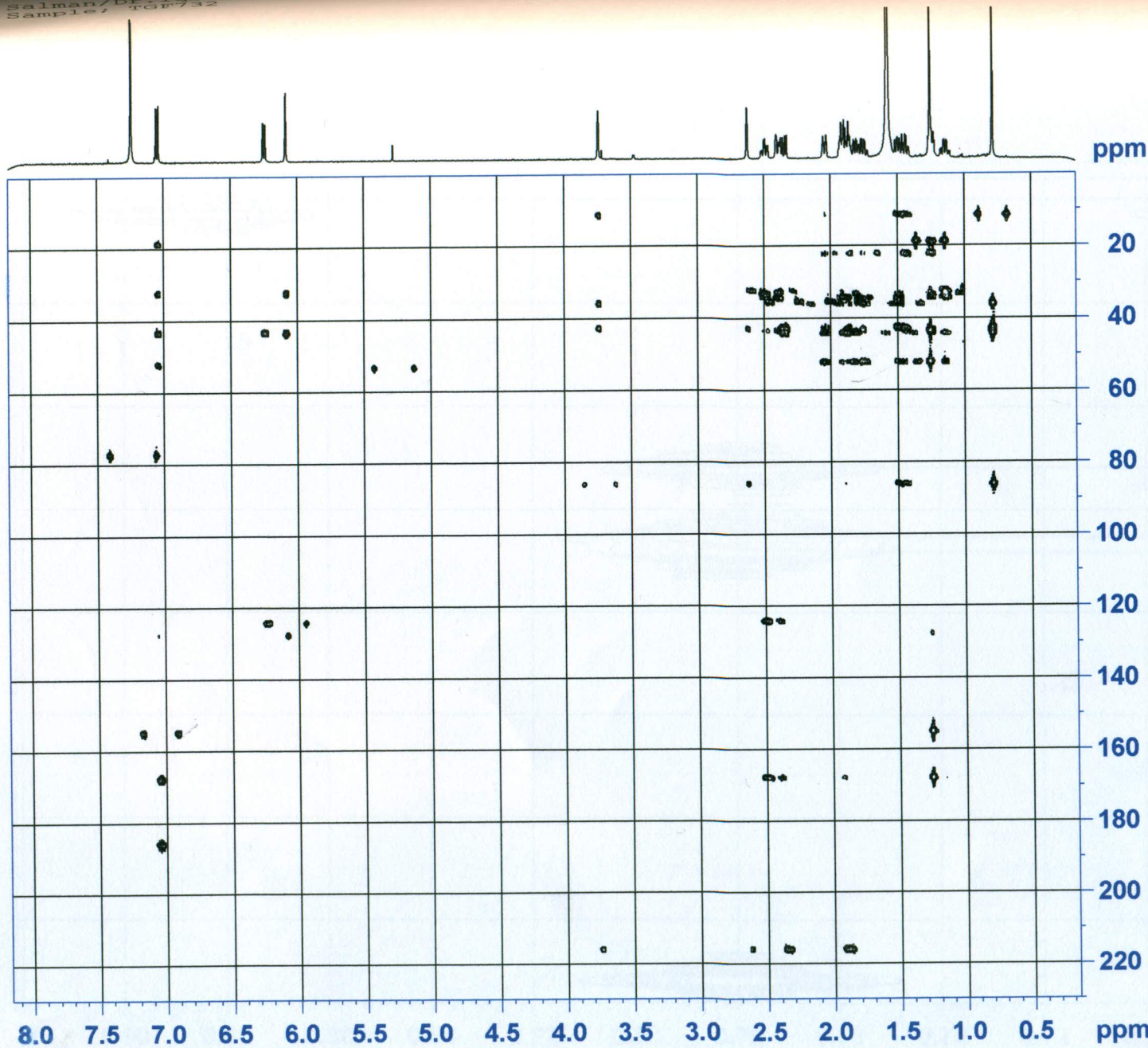
===== CHANNEL f2 =====  
 CPDPRG2 waltz16  
 NUC2 1H  
 P3 7.50 usec  
 P4 15.00 usec  
 PCPD2 65.00 usec  
 PL2 3.30 dB  
 PL12 22.06 dB  
 PL2W 9.16420078 W  
 PL12W 0.12192553 W  
 SFO2 600.2324009 MHz  
 SI 32768  
 SF 150.9279540 MHz  
 WDW EM  
 SSB 0  
 LB 1.00 Hz  
 GB 0  
 PC 1.40

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 ppm

Salman/Dr. Igba  
 Sample: TCF732



AVANCE AV 500  
 Ser. No. 108



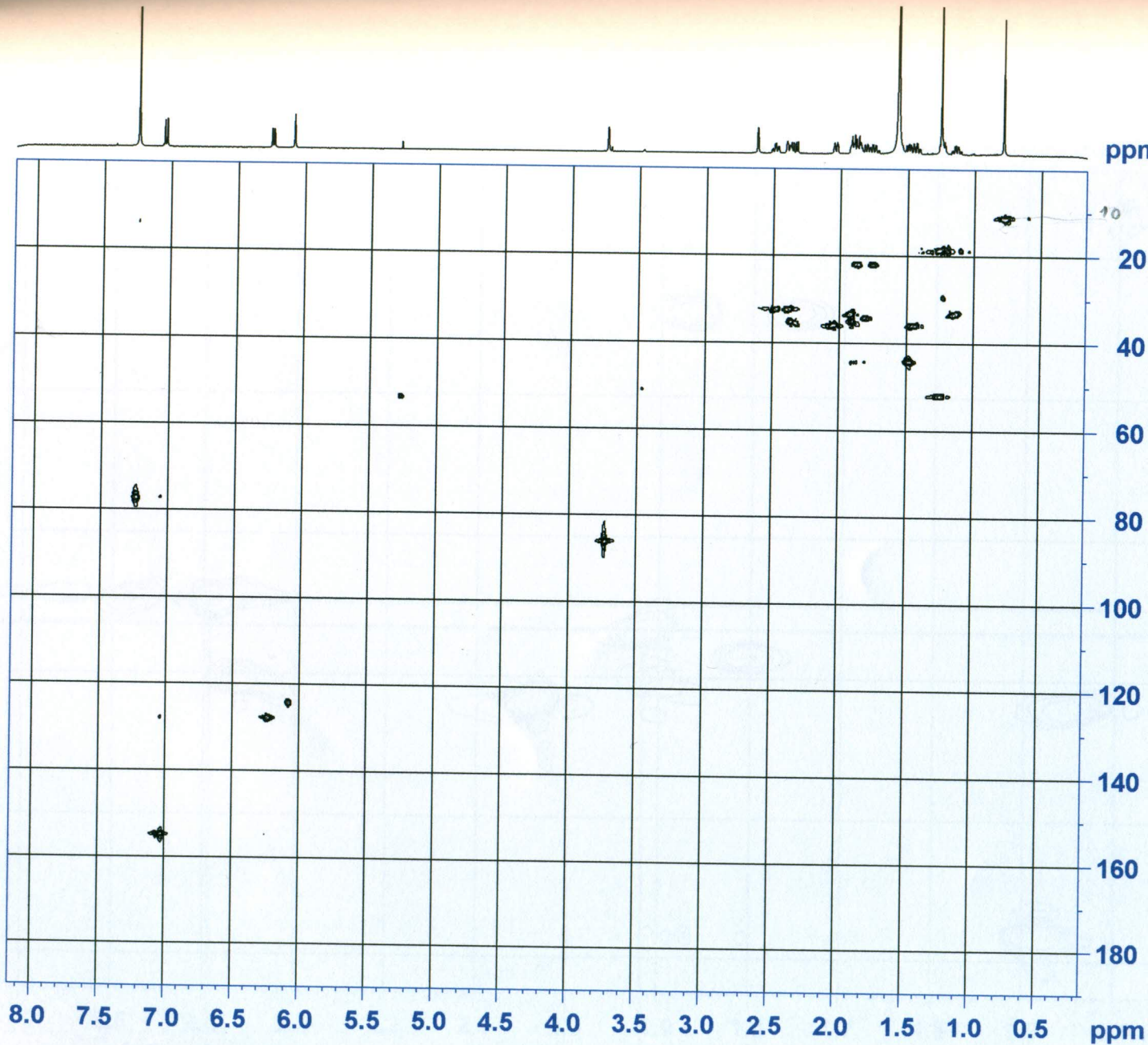
NAME Oct 29  
 EXPNO 5  
 PROCNO 1  
 Date\_ 20091029  
 Time\_ 14.58  
 INSTRUM spect  
 PROBHD 5 mm CPTCI 1H-  
 PULPROG hmbcgp1pdqf  
 TD 4096  
 SOLVENT CDCl3  
 NS 32  
 DS 8  
 SWH 4807.692 Hz  
 FIDRES 1.173753 Hz  
 AQ 0.4261380 sec  
 RG 46341  
 DW 104.000 usec  
 DE 6.50 usec  
 TE 294.7 K  
 CNST2 145.0000000  
 CNST13 13.0000000  
 D0 0.00000300 sec  
 D1 1.50000000 sec  
 D2 0.00344828 sec  
 D6 0.03846154 sec  
 D16 0.00015000 sec  
 INO 0.00001440 sec

===== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.40 usec  
 P2 14.80 usec  
 PL1 3.30 dB  
 PL1W 9.16420078 W  
 SFO1 600.2325210 MHz

===== CHANNEL f2 =====  
 NUC2 13C  
 P3 10.00 usec  
 PL2 2.00 dB  
 PL2W 66.40702820 W  
 SFO2 150.9453107 MHz

===== GRADIENT CHANNEL =====  
 GPNAM1 SINE.100  
 GPNAM2 SINE.100  
 GPNAM3 SINE.100  
 GPZ1 50.00 %  
 GPZ2 30.00 %  
 GPZ3 40.10 %  
 P16 2000.00 usec  
 ND0 2  
 TD 256  
 SFO1 150.9453 MHz  
 FIDRES 135.614929 Hz  
 SW 230.000 ppm  
 FnMODE QF  
 SI 1024  
 SF 600.2300250 MHz  
 WDW SINE  
 SSB 0  
 LB 0.00 Hz  
 GB 0  
 PC 1.40  
 SI 1024  
 MC2 QF  
 SF 150.9279540 MHz  
 WDW SINE  
 SSB 0  
 LB 0.00 Hz  
 GB 0

Salman/Dr. Iqbal  
Sample: TGF732



NAME Oct 29  
EXPNO 4  
PROCNO 1  
Date\_ 20091029  
Time\_ 11.15  
INSTRUM spect  
PROBHD 5 mm CPTCI 1H-  
PULPROG hsqcetgpsi  
TD 1024  
SOLVENT CDC13  
NS 32  
DS 8  
SWH 4807.692 Hz  
FIDRES 4.695012 Hz  
AQ 0.1066500 sec  
RG 46341  
DW 104.000 usec  
DE 6.50 usec  
TE 294.6 K  
CNST2 145.0000000  
D0 0.00000300 sec  
D1 1.50000000 sec  
D4 0.00172414 sec  
D11 0.03000000 sec  
D13 0.00000400 sec  
D16 0.00015000 sec  
D24 0.00110000 sec  
INO 0.00001745 sec  
ZGPTNS

===== CHANNEL f1 =====  
NUC1 1H  
P1 7.40 usec  
P2 14.80 usec  
P28 0.50 usec  
PL1 3.30 dB  
PL1W 9.16420078 W  
SFO1 600.2325210 MHz

===== CHANNEL f2 =====  
CPDPRG2 garp  
NUC2 13C  
P3 10.00 usec  
P4 20.00 usec  
PCPD2 60.00 usec  
PL2 2.00 dB  
PL12 17.56 dB  
PL2W 66.40702820 W  
PL12W 1.84592509 W  
SFO2 150.9422922 MHz

===== GRADIENT CHANNEL =====  
GFNAM1 SINE.100  
GFNAM2 SINE.100  
GPZ1 80.00 %  
GPZ2 20.10 %  
P16 2000.00 usec  
ND0 2  
TD 256  
SFO1 150.9423 MHz  
FIDRES 112.027481 Hz  
SW 190.000 ppm  
FnMODE Echo-Antiecho  
SI 1024  
SF 600.2300250 MHz  
WDW QSINE  
SSB 2  
LB 0.00 Hz  
GB 0  
PC 4.00  
SI 1024  
MC2 echo-antiecho  
SF 150.9279540 MHz  
WDW QSINE  
SSB 2  
LB 0.00 Hz  
GB 0

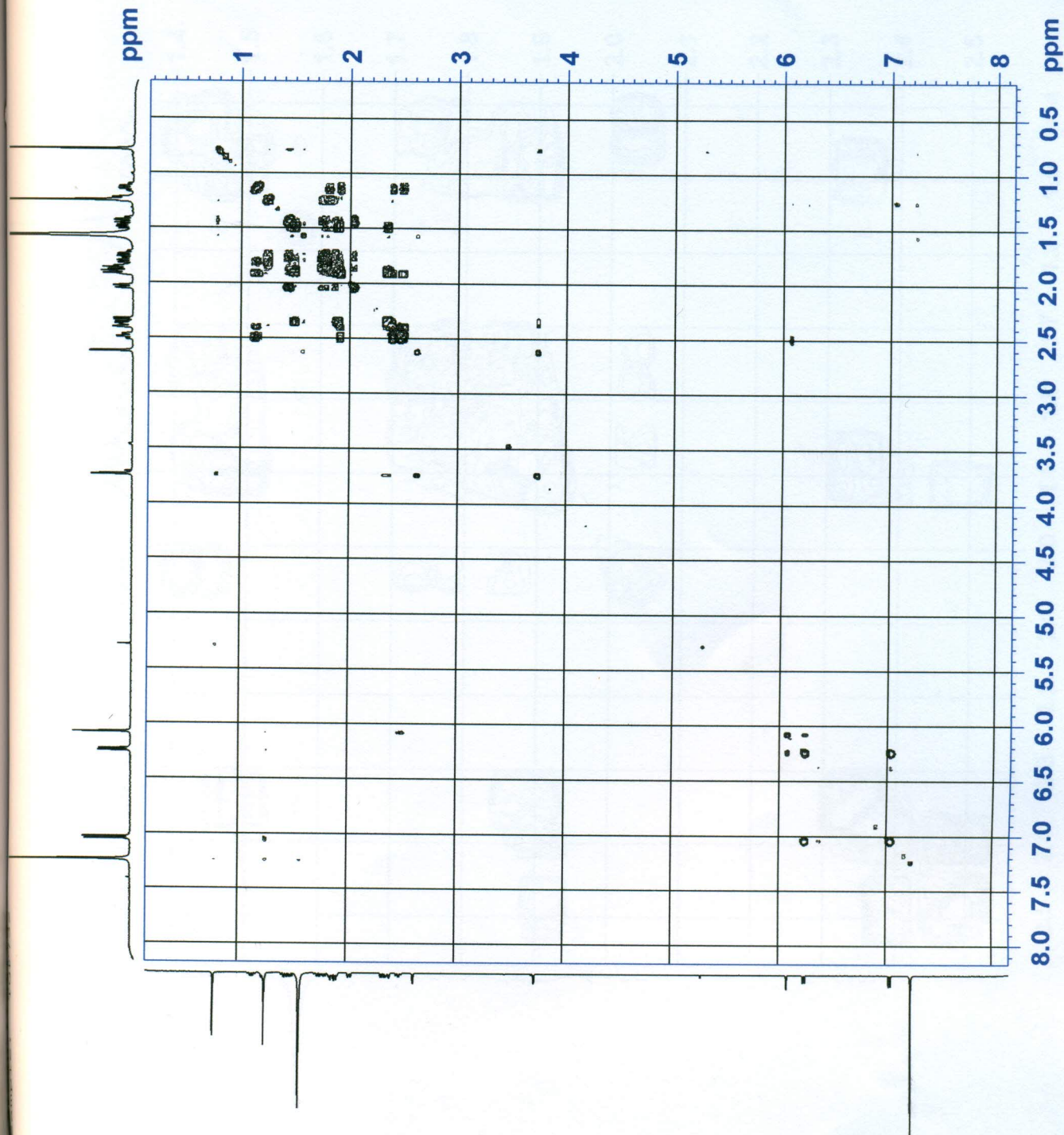
AVANCE AV 600  
LAB. No. 108



AVANCE AV 600  
Lab. No. 108

NAME Oct 29  
 EXPNO 2  
 PROCNO 1  
 Date\_ 20091029  
 Time 8.51  
 INSTRUM spect  
 PROBHD 5 mm CPTCI 1H-  
 PULPROG cosydfqf  
 TD 2048  
 SOLVENT CDCl3  
 NS 8  
 DS 4  
 SWH 4807.692 Hz  
 FIDRES 2.347506 Hz  
 AQ 0.2131460 sec  
 RG 35.9  
 DW 104.000 usec  
 DE 6.50 usec  
 TE 293.8 K  
 D0 0.0000300 sec  
 D1 1.5000000 sec  
 D13 0.0000400 sec  
 D20 0.0000200 sec  
 IN0 0.00020800 sec

==== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.40 usec  
 PL1 3.30 dB  
 PL1W 9.16420078 W  
 SF01 600.2325210 MHz  
 ND0 1  
 TD 256  
 SF01 600.2325 MHz  
 FIDRES 18.780046 Hz  
 SW 8.010 ppm  
 FmMODE QF  
 SI 1024  
 SF 600.2300250 MHz  
 WDW QSINE  
 SSB 0  
 LB 0.00 Hz  
 GB 0  
 PC 1.40  
 SI 1024  
 MC2 QF  
 SF 600.2300250 MHz  
 WDW QSINE  
 SSB 0  
 LB 0.00 Hz  
 GB 0



AVANCE AV 600  
No. 108



NAME Oct 29  
 EXPNO 3  
 PROCNO 1  
 Date\_ 20091029  
 Time\_ 9.51  
 INSTRUM spect  
 PROBHD 5 mm CPTCI LH-  
 PULPROG noesygpph  
 TD 1024  
 SOLVENT CDCl3  
 NS 8  
 DS 4  
 SWH 4807.692 Hz  
 FIDRES 4.695012 Hz  
 AQ 0.1066500 sec  
 RG 71.8  
 DW 104.000 usec  
 DE 6.50 usec  
 TE 294.2 K  
 D0 0.00009458 sec  
 D1 1.50000000 sec  
 D8 0.80000001 sec  
 D16 0.00015000 sec  
 INO 0.00020800 sec

==== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.40 usec  
 P2 14.80 usec  
 PL1 3.30 dB  
 PL1W 9.16420078 W  
 SF01 600.2325210 MHz

==== GRADIENT CHANNEL =====  
 GPNAM1 SINE.100  
 GPNAM2 SINE.100  
 GPZ1 40.00 %  
 GPZ2 -40.00 %  
 P16 2000.00 usec  
 NDO 1  
 TD 256  
 SF01 600.2325 MHz  
 FIDRES 18.780046 Hz  
 SW 8.010 ppm  
 FmODE States-TPPI  
 SI 1024  
 SF 600.2300250 MHz  
 WDW QSINE  
 SSB 2  
 LB 0.00 Hz  
 GB 0  
 PC 1.40  
 SI 1024  
 MC2 States-TPPI  
 SF 600.2300250 MHz  
 WDW QSINE  
 SSB 2  
 LB 0.00 Hz  
 GB 0

