

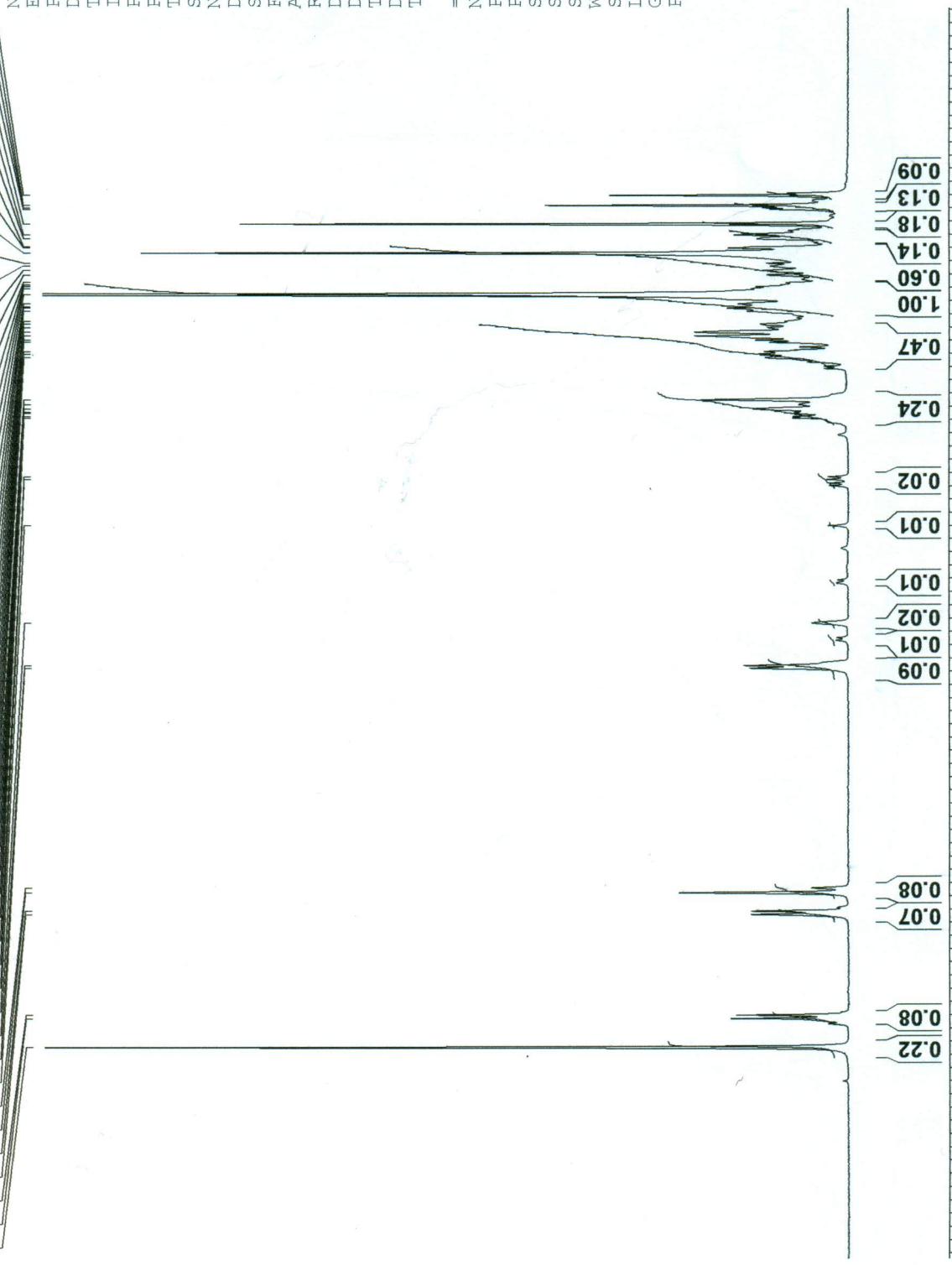
AVANCE 400-A
LAB. No. 109

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

7.240
7.023
6.998
6.237
6.212
6.072
6.037
4.374
4.354
4.034
3.298
2.948
2.928
2.486
2.474
2.452
2.441
2.418
2.385
2.348
2.031
2.003
1.983
1.913
1.896
1.863
1.833
1.801
1.773
1.754
1.676
1.654
1.644
1.621
1.549
1.506
1.491
1.477
1.460
1.403
1.370
1.336
1.315
1.237
1.200
1.192
1.131
1.101
1.019
0.909
0.898
0.878
0.802

NAME Oct09
EXPNO 2
PROCNO 1
Date_ 20091009
Time_ 9.58
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
DM 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
SF01 400.2328016 MHz
SI 16384
SF 400.2300132 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 2.00



Sample: TGF733

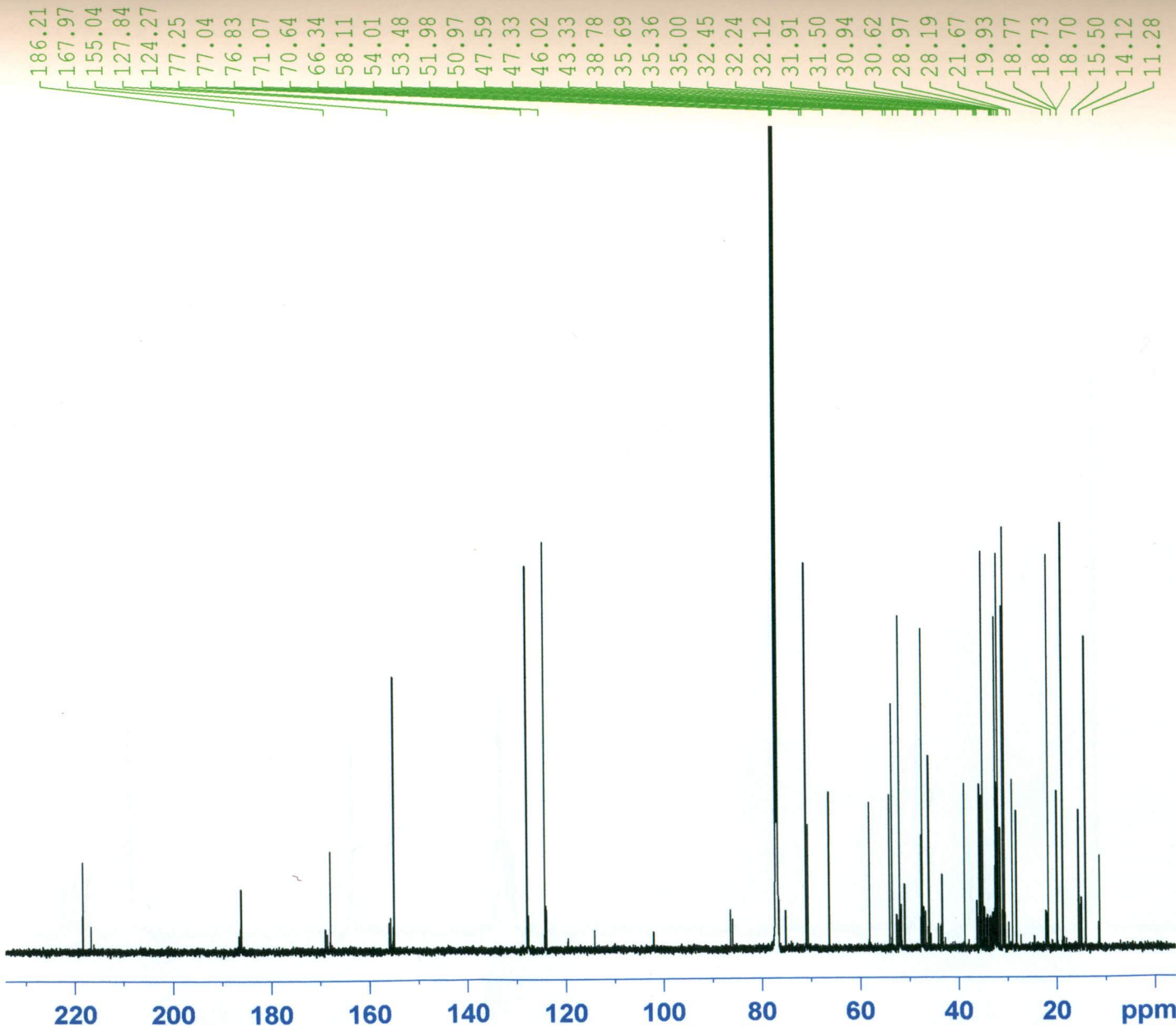


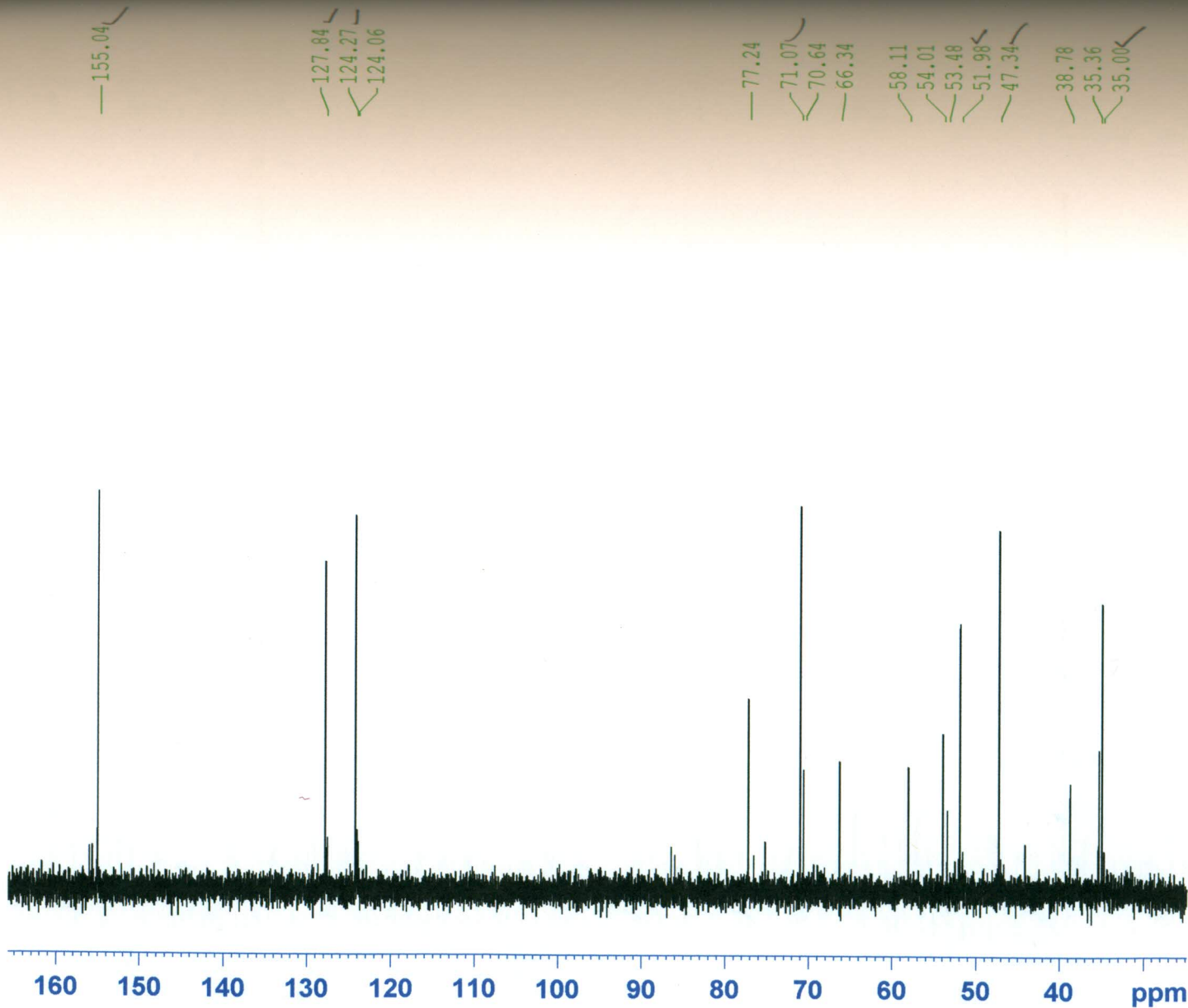
NAME
EXPNO 1
PROCNO 1
Date 20091028
Time 22.20
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
PULPROG zgpg
TD 65536
SOLVENT CDCl3
NS 12288
DS 2
SWH 35971.223 Hz
FIDRES 0.548877 Hz
AQ 0.9110143 sec
RG 32768
DW 13.900 usec
DE 6.50 usec
TE 294.0 K
D1 1.5000000 sec
D11 0.03000000 sec
TD0 12

===== 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

ANALYST: [illegible]
DATE: 20091028





AVANCE AV 300
LAB. NO. 103

NAME
EXPNO 8
PROCNO 1
Date 20091029
Time 8.30
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
PULPROG deptsp90
TD 65536
SOLVENT CDC13
NS 404
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 293.7 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



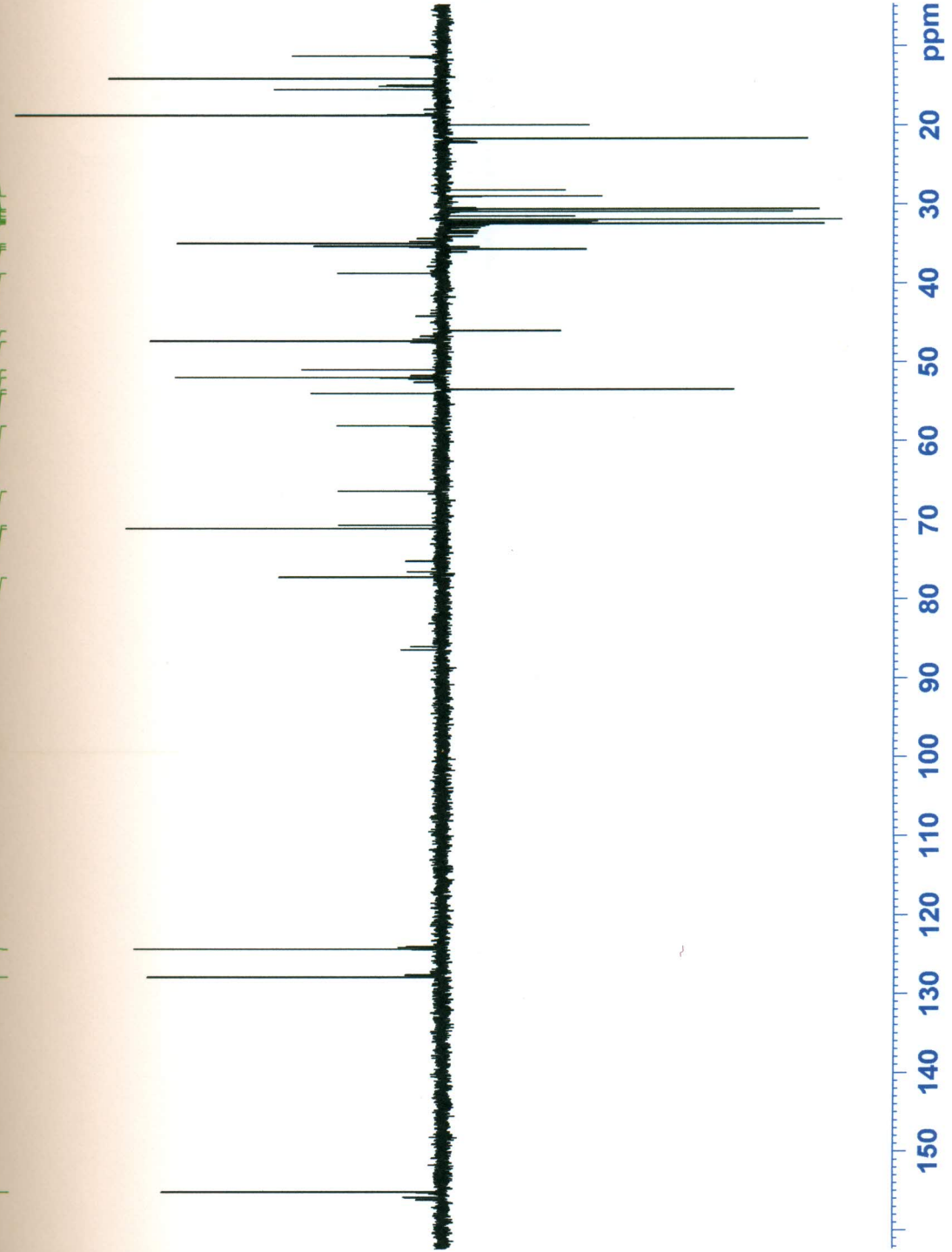
NAME _____
 EXPRNO 1
 PROCNO 20091029
 Date 6.50
 Time 6.50
 INSTRUM spect
 PROBD 5 mm CPTCI 1H-
 PULPROG deptspl35
 TD 65536
 SOLVENT CDCl3
 NS 2917
 DS 2
 SWH 30303.031 Hz
 FIDRES 0.462388 Hz
 AQ 1.0814105 sec
 RG 32768
 DW 16.500 usec
 DE 6.50 usec
 TE 293.4 K
 CNST2 145.0000000
 D1 1.5000000 sec
 D2 0.00344828 sec
 D12 0.00002000 sec
 TDO 6

AVANCE AV 600
 LAB. No. 106

CHANNEL f1 =====
 NUC1 13C
 P1 16.00 usec
 P2 2000.00 usec
 PLO 120.00 dB
 PL1 2.00 dB
 PLOW 0.0000000 W
 PL1W 66.40702820 W
 SFO1 150.9430463 MHz
 SP2 1.99 dB
 SFO2 150.9430463 MHz
 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
 S1 32768
 SF 150.9279540 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

155.05
 127.84
 124.27
 77.25
 71.07
 70.64
 66.34
 58.11
 54.01
 53.48
 51.98
 50.97
 47.34
 46.02
 38.78
 35.69
 35.36
 35.00
 32.45
 32.24
 32.12
 31.91
 31.50
 30.94
 30.62
 28.97



Sample: IGF733



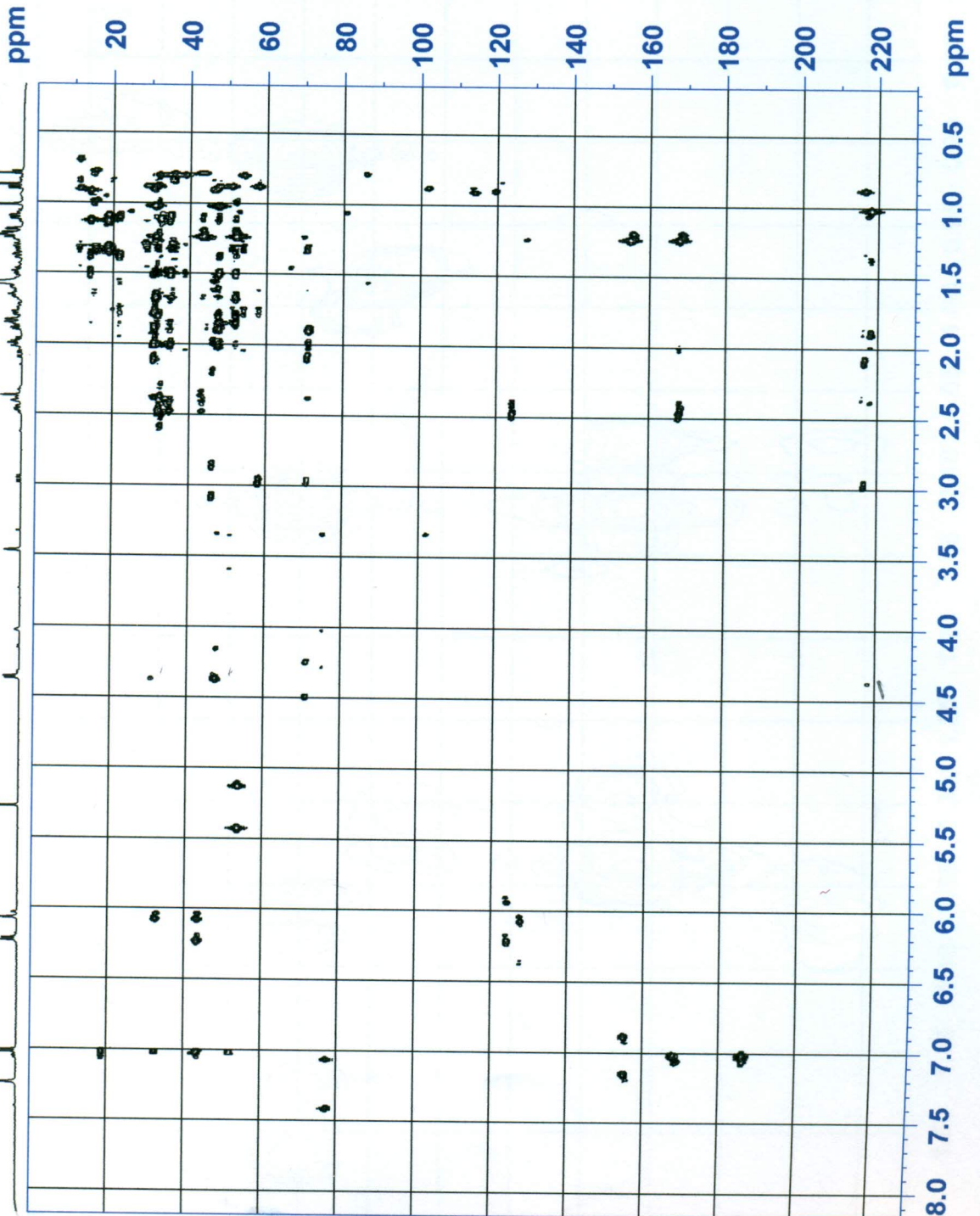
AVANCE AV 600
LAB 40 108

NAME Oct 28
EXPNO 5
PROCNO 1
Date_ 20091028
Time_ 17.07
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
PULPROG hmbcggplpndgf
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 294.5 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 3.50 dB
PL1W 9.16420078 W
SFO1 600.2325210 MHz

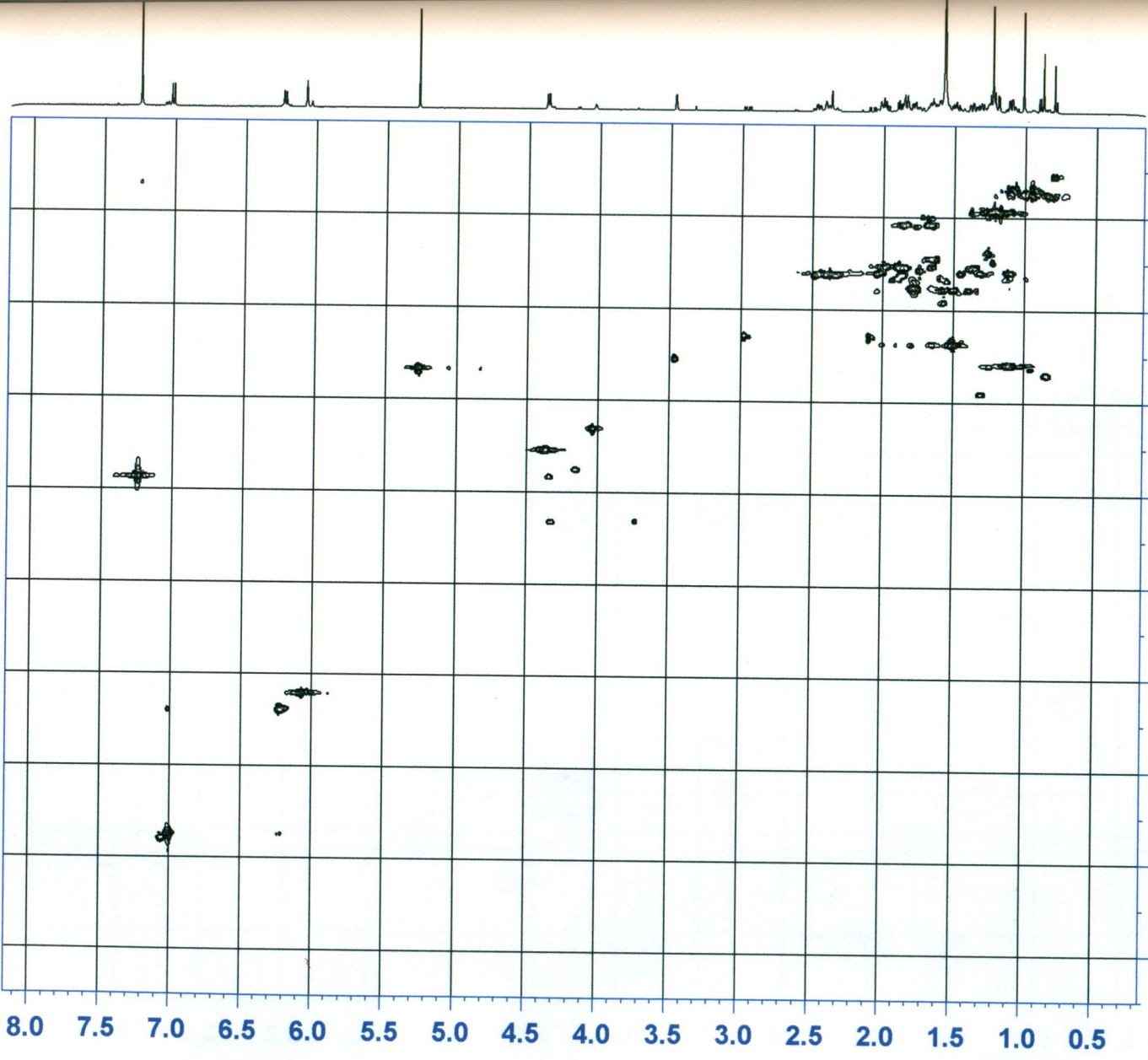
==== CHANNEL f2 =====
NUC2 13C
P3 10.00 usec
PL2 2.00 dB
PL2W 66.40702820 W
SFO2 150.9453107 MHz

==== GRADIENT CHANNEL =====
GENAM1 SINE.100
GENAM2 SINE.100
GENAM3 SINE.100
GPZ1 50.00 %
GPZ2 30.00 %
GPZ3 40.10 %
P16 2000.00 usec
NDO 2
TD 256
SFO1 150.9453 MHz
FIDRES 135.614529 Hz
SW 230.000 ppm
FMODE QF
SI 1024
SF 600.2300250 MHz
SINE 0
SSB 0
LB 0.00 Hz
GB 0
PC 1.40
SI 1024
MC2 QF
SF 150.9279540 MHz
SINE 0
LB 0
GB 0.00 Hz



BRUKER

ADVANCE AV 600
LAB. No. 108



ppm

20

40

60

80

100

120

140

160

180

8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 ppm

NAME Oct 28
EXPNO 4
PROCNO 1
Date 20091028
Time 13.24
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
PULPROG hsqcqtpsi
TD 1024
SOLVENT CDCl3
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 294.5 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
IN0 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

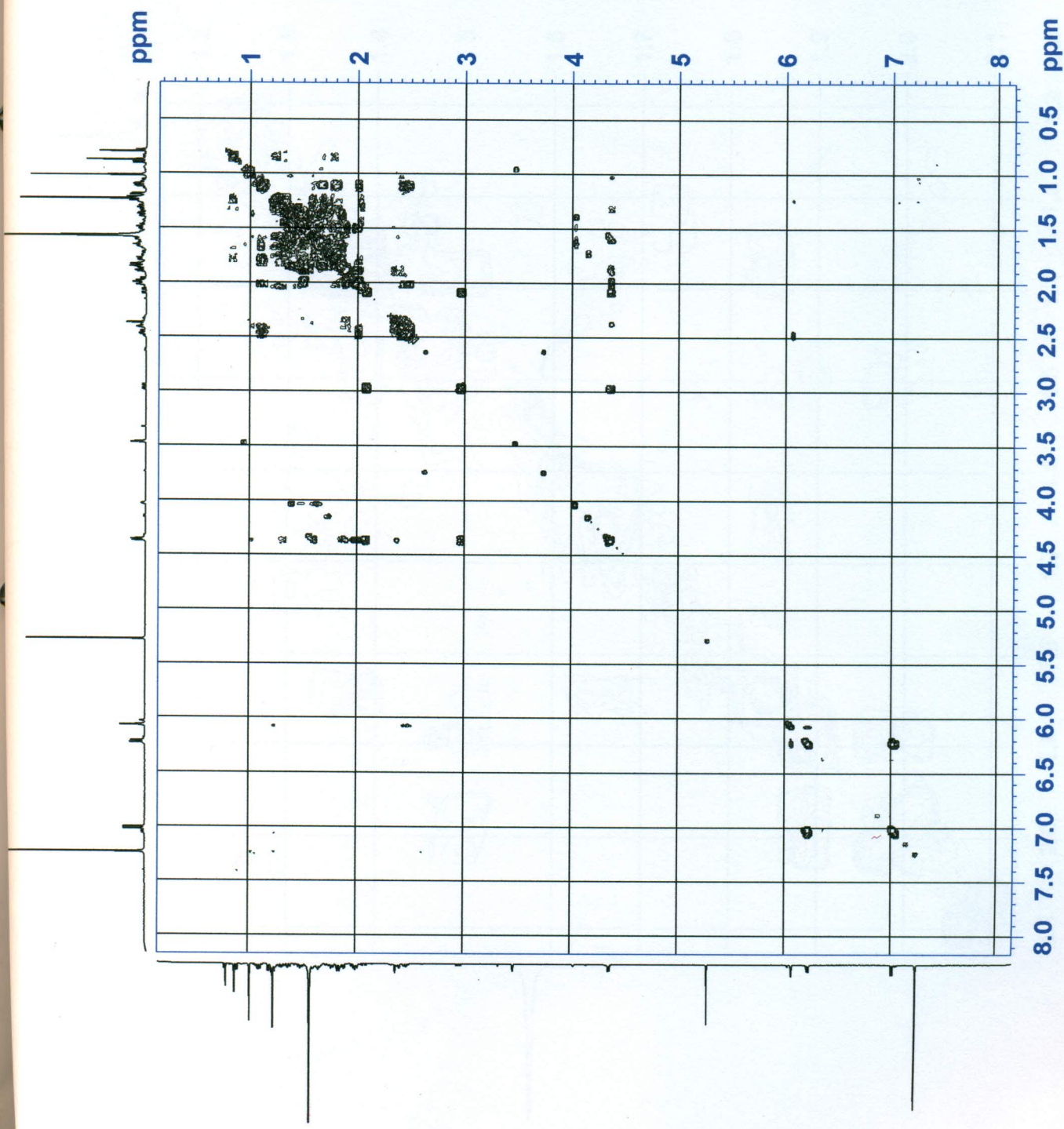
===== GRADIENT CHANNEL =====
GPNAM1 SINE.100
GPNAM2 SINE.100
GPZ1 80.00 %
GPZ2 20.10 %
F16 2000.00 usec
ND0 2
TD 256
SFO1 150.9423 MHz
FIDRES 112.027481 Hz
SW 190.000 ppm
FnMODE Echo-Antiecho
SI 1024
SF 600.2300250 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0
PC 4.00
SI 1024
MC2 echo-antiecho
SF 150.9279540 MHz
WDW QSINE
SSB 2
LB 0.00 Hz
GB 0



Oct 28

NAME
 EXPNO 2
 PROCNO 1
 Date_ 20091028
 Time_ 11.00
 INSTRUM spect
 PROBHD 5 mm CPTCI 1H-
 PULPROG cosydfqf
 TD 2048
 SOLVENT CDC13
 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 294.4 K
 D0 0.00000300 sec
 D1 1.50000000 sec
 D13 0.00000400 sec
 D20 0.00000200 sec
 IN0 0.00020800 sec

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.40 usec
 PL1 3.30 dB
 PL1W 9.16420078 W
 SFO1 600.2325210 MHz
 NDO 1
 TD 256
 SFO1 600.2325 MHz
 FIDRES 18.780046 Hz
 SW 8.010 ppm
 FhMODE 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



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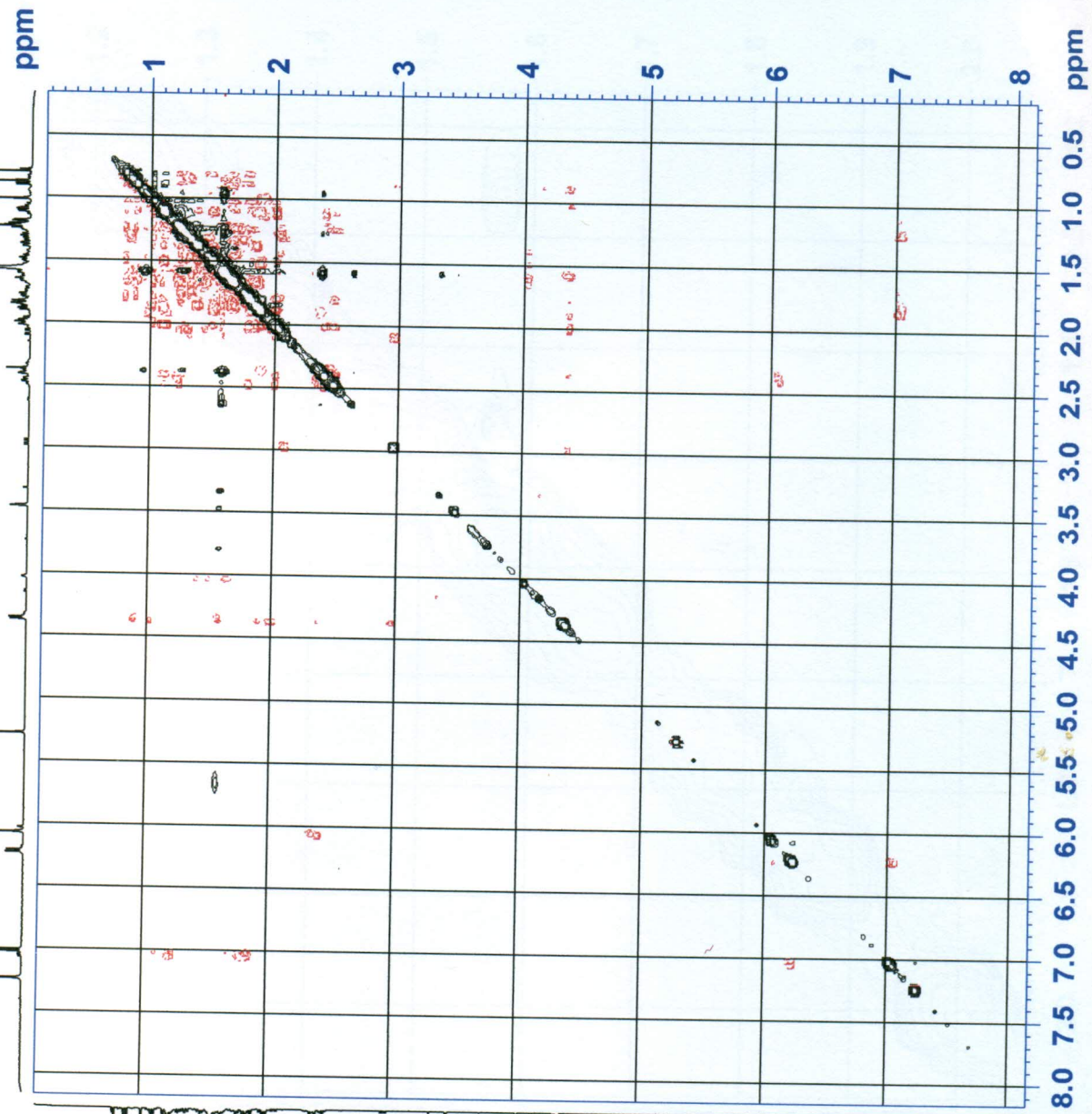


AVANCE AV 600
LAB. No. 108

Oct 28
NAME
EXPNO 3
PROCNO 1
Date_ 20091028
Time_ 12.00
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
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 294.5 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
FnMODE States-TpPI
SI 1024
SF 600.2300250 MHz
WDW QSI
SSB 2
LB 0.00 Hz
GB 0
PC 1.40
SI 1024
MC2 States-TpPI
SF 600.2300250 MHz
WDW QSI
SSB 2
LB 0.00 Hz
GB 0



1 2 3 4 5 6 7 8 ppm