

¹H-NMR



Current Data Parameters
NAME Amakura
EXPNO 640
PROCNO 1

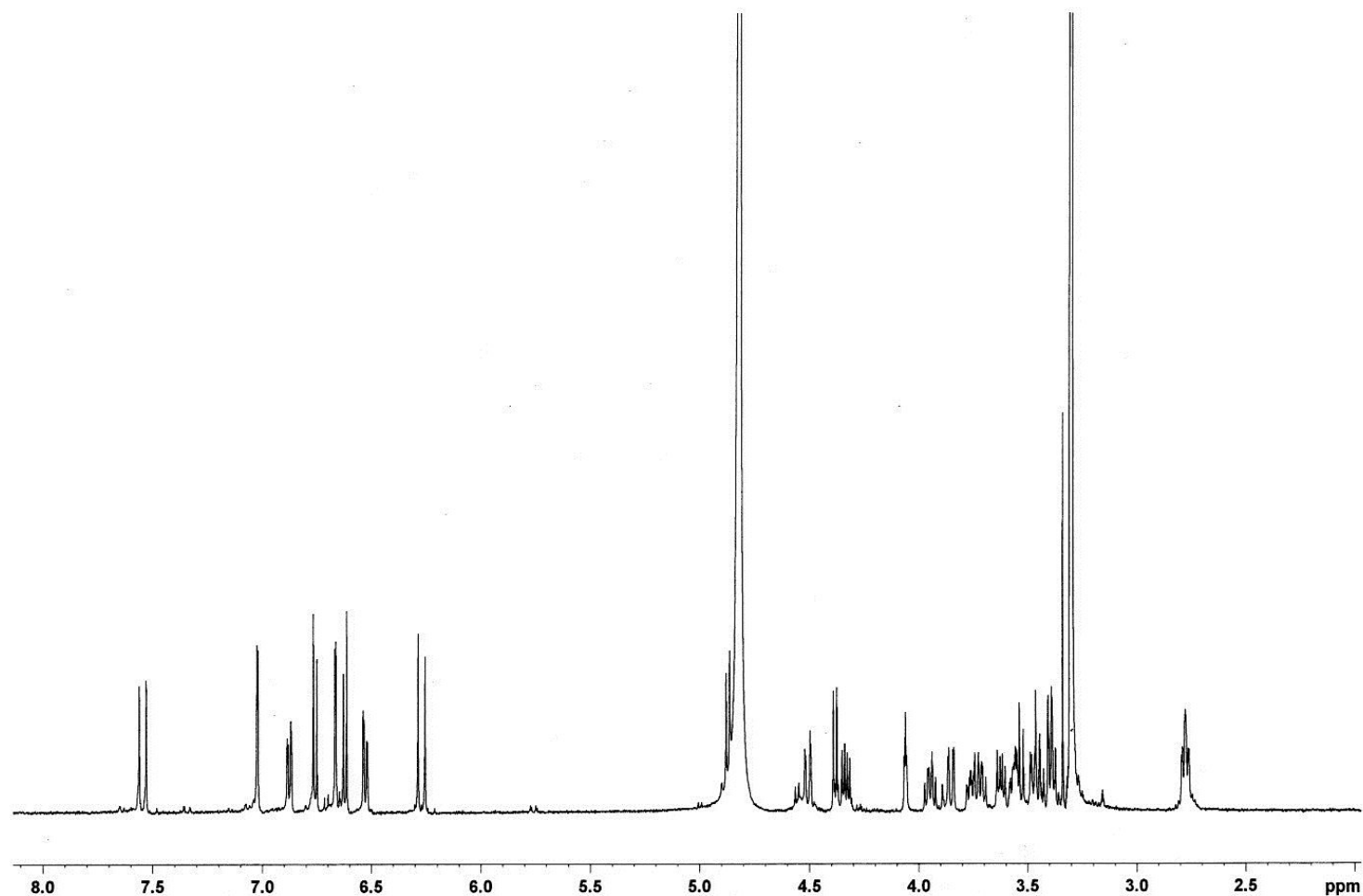
F2 - Acquisition Parameters
Date_ 20100710
Time 18.25
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT MeOD
NS 256
DS 0
SWH 10330.578 Hz
FIDRES 0.315264 Hz
AQ 1.5860212 sec
RG 1290
DW 48.400 usec
DE 6.00 usec
TE 300.0 K
D1 0.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 2.00 usec
PL1 3.00 dB
SFO1 500.1330885 MHz

F1 - Acquisition parameters
ND0 1
TD 128
SFO1 500.1331 MHz
FIDRES 7.812500 Hz
SW 1.999 ppm
FhMODE QF

F2 - Processing parameters
SI 32768
SF 500.1300158 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 QF
SF 500.1300000 MHz
WDW SINE
SSB 0
LB 0.30 Hz
GB 0.1



^{13}C -NMR



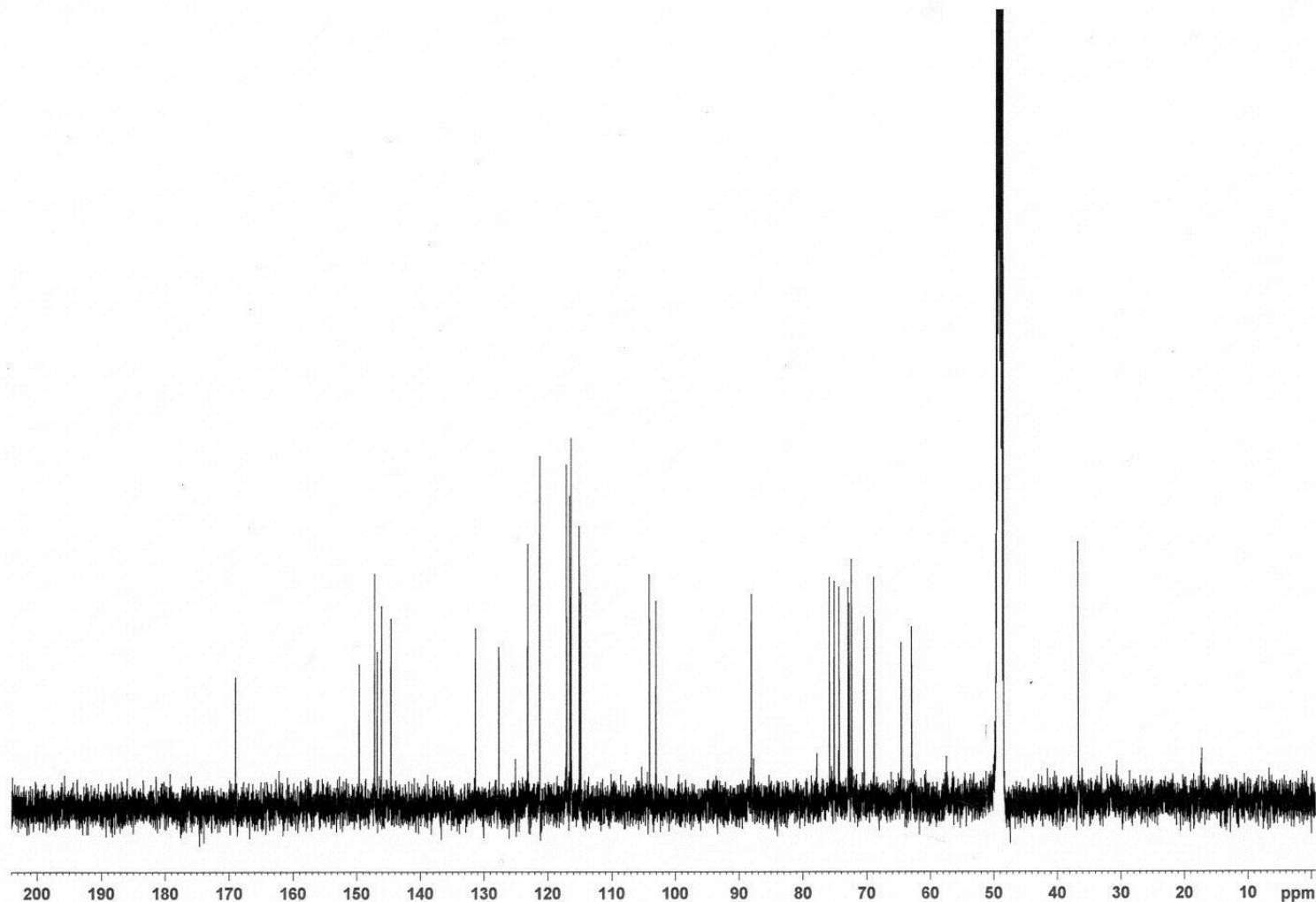
Current Data Parameters
NAME Amakura
EXPNO 637
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100708
Time 22.23
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 11051
DS 2
SWH 29761.904 Hz
FIDRES 0.454131 Hz
AQ 1.1010548 sec
RG 2050
DW 16.800 usec
DE 6.00 usec
TE 300.3 K
D1 2.00000000 sec
d11 0.03000000 sec
DELTA 1.89999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 ^{13}C
P1 9.50 usec
PL1 1.00 dB
SFO1 125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 ^1H
PCPD2 80.00 usec
PL2 3.00 dB
PL12 18.00 dB
PL13 18.00 dB
SFO2 500.1320005 MHz

F2 - Processing parameters
SI 32768
SF 125.7576123 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



^1H - ^1H COSY



Current Data Parameters
NAME Amakura
EXPNO 641
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100710
Time 19.34
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG cosygpgf
TD 2048
SOLVENT CDCl3
NS 4
DS 16
SWH 3846.154 Hz
FIDRES 1.878005 Hz
AQ 0.2662900 sec
RG 724
DW 130.000 usec
DE 6.00 usec
TE 300.0 K
d0 0.00000300 sec
D1 1.37384200 sec
d13 0.00000400 sec
D16 0.00010000 sec
IN0 0.00026000 sec

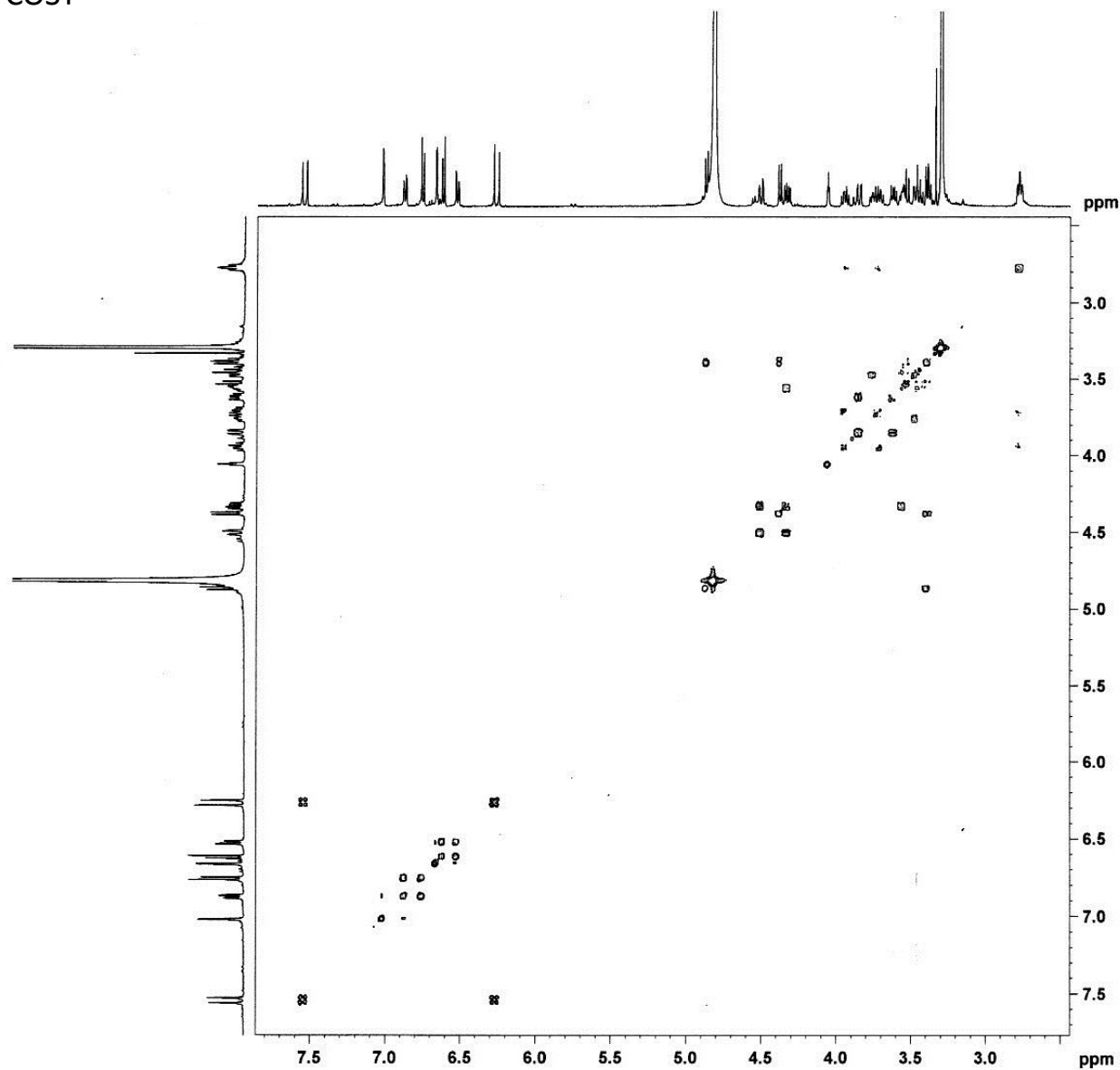
===== CHANNEL f1 =====
NUC1 ^1H
P0 14.50 usec
P1 14.50 usec
PL1 3.00 dB
SFO1 500.1320780 MHz

===== GRADIENT CHANNEL =====
GPNAM1 SINE.100
GPNAM2 SINE.100
GPZ1 10.00 μ
GPZ2 10.00 μ
P16 1000.00 usec

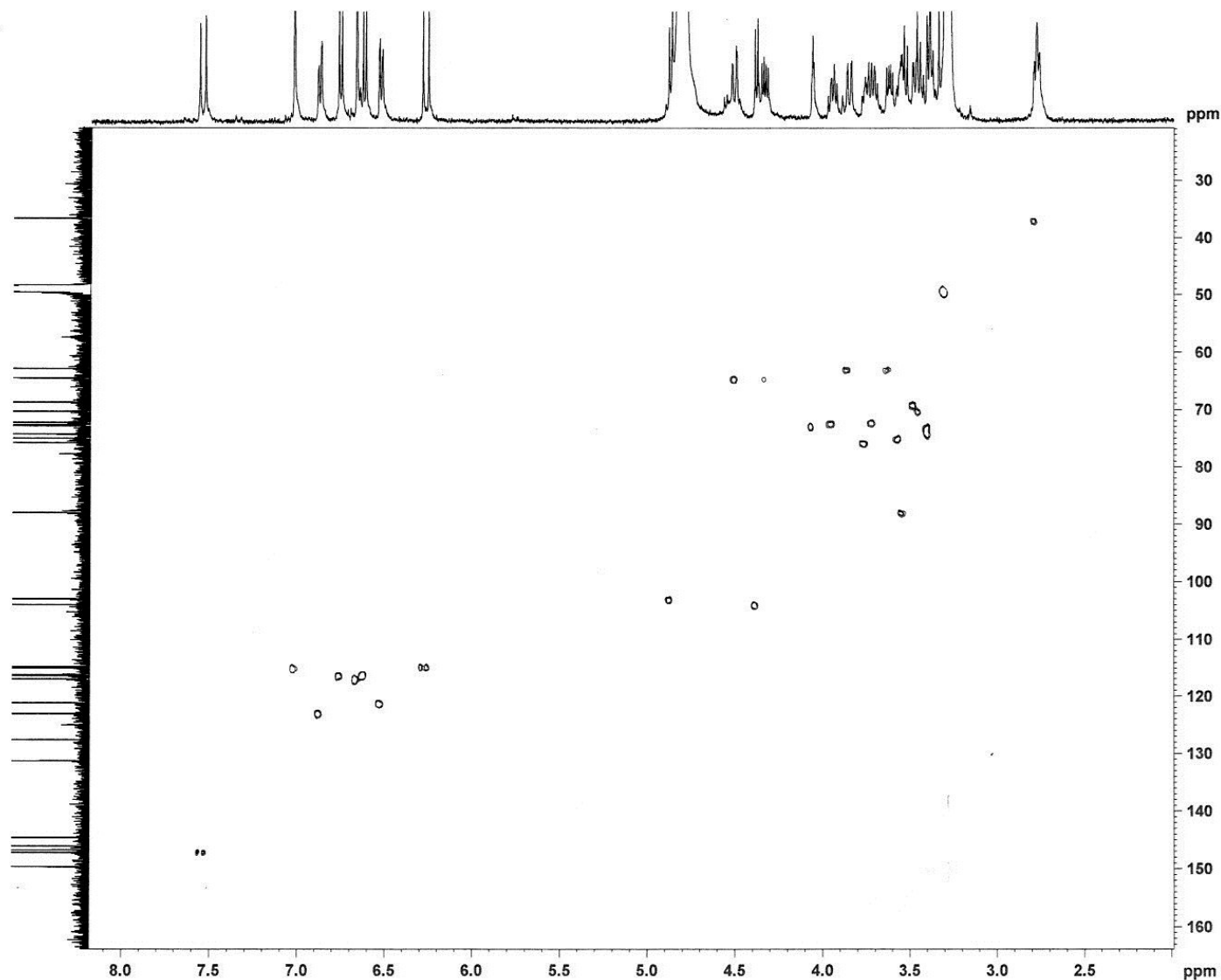
F1 - Acquisition parameters
ND0 1
TD 256
SFO1 500.1321 MHz
FIDRES 15.024038 Hz
SW 7.690 ppm
PnMODE QF

F2 - Processing parameters
SI 1024
SF 500.1300158 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 500.1300158 MHz
WDW SINE
SSB 0
LB 0.00 Hz
GB 0



HSQC



```

Current Data Parameters
NAME      Amakura
EXTNO     658
PROCNO    1

F2 - Acquisition Parameters
Date_     20100709
Time      8.07
INSTRUM   spect
PROBHD    5 mm PABBO BB-
PULPROG   hsqcetdtp
TD        1024
SOLVENT   MeOD
NS         16
DS         4
SWH        4065.041 Hz
FIDRES     3.262746 Hz
AQ         0.1360020 sec
RG         2050
DM         123.000 usec
DE         6.00 usec
TE         299.9 K
CMST2     145.000000
d0         0.0000000 sec
D1         1.45064294 sec
d4         0.00172414 sec
d11        0.03000000 sec
d13        0.00000400 sec
d16        0.00020000 sec
D211       0.00340000 sec
DELTA     0.00221500 sec
DELTA1     0.00071614 sec
INVO       0.00000000 sec
STICNT     128
ZGPGPINS

===== CHANNEL f1 =====
NUC1       1H
P1         14.80 usec
P2         29.00 usec
P3         0.00 usec
PL1        3.00 dB
SFO1       500.1322476 MHz

===== CHANNEL f2 =====
CPDPRG2    garp
NUC2       13C
P3         9.80 usec
P4         19.60 usec
PCPD2      65.00 usec
PL2        1.40 dB
PL12       17.83 dB
SFO2       125.7710857 MHz

===== GRADIENT CHANNEL =====
GRPRM1     SINE.100
GRPRM2     SINE.100
GPE1       80.00 %
GPE2       20.10 %
PL16       1000.00 usec

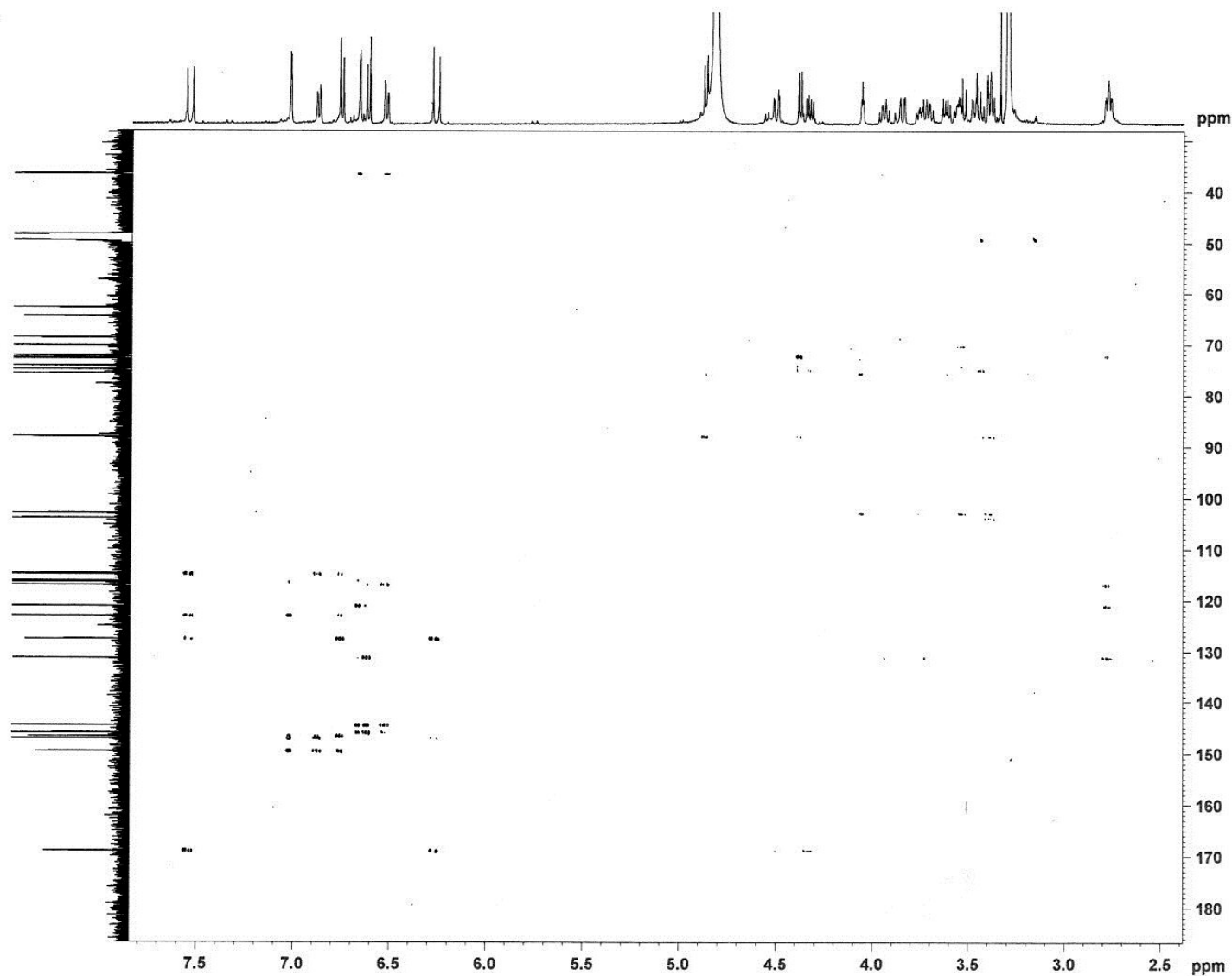
F1 - Acquisition parameters
ND0        2
TD         172
SFO1       125.7711 MHz
FIDRES     145.348811 Hz
SW         198.774 ppm
PRMODES    Echo-Antiecho

F2 - Processing parameters
S1         1024
SF         500.1300104 MHz
WDW        QSINE
SSB        0.00 Hz
GB         0
PC         1.40

F1 - Processing parameters
S1         1024
MC2        echo-antiecho
SF         125.7575861 MHz
WDW        QSINE
SSB        2
LB         0.00 Hz
GB         0

```

HMBC



```

Current Data Parameters
NAME      Amakura
EXPNO     642
PROCNO    1

F2 - Acquisition Parameters
Date_     20100710
Time      19.08
INSTRUM    spect
PROBHD     5 mm PABBO BB-
PULPROG    hmbcgp1pndqf
TD          4096
SOLVENT    MeOD
NS          16
DS          16
SWH         2976.190 Hz
FIDRES      0.726609 Hz
AQ          0.6881780 sec
RG          2050
DW          168.000 usec
DE          6.00 usec
TE          300.0 K
CNST12     145.0000000
CNST13     8.0000000
d0          0.0000000 sec
D1          1.12644303 sec
d2          0.00344828 sec
d6          0.06250000 sec
D16         0.00010000 sec
IN0         0.00002000 sec

===== CHANNEL f1 =====
NUC1        1H
P1          14.50 usec
p2          29.00 usec
PL1         3.00 dB
SFO1        500.1325634 MHz

===== CHANNEL f2 =====
NUC2        13C
P2          9.80 usec
PL2         1.40 dB
SFO2        125.7710857 MHz

===== GRADIENT CHANNEL =====
GPNAM1      SINE.100
GPNAM2      SINE.100
GPNAM3      SINE.100
GP21        50.00 %
GP22        30.00 %
GP23        40.10 %
P16         1500.00 usec

F1 - Acquisition parameters
ND0          2
TD          1495
SFO1        125.7711 MHz
FIDRES      16.722408 Hz
SW          198.774 ppm
F2MODE      QF

F2 - Processing parameters
SI           2048
SF          500.1300158 MHz
WDW          SINE
SSB          0
LB           0.00 Hz
GB           0
PC           1.40

F1 - Processing parameters
SI           1024
MC2          QF
SF          125.7576123 MHz
WDW          SINE
SSB          0
LB           0.00 Hz
GB           0
    
```