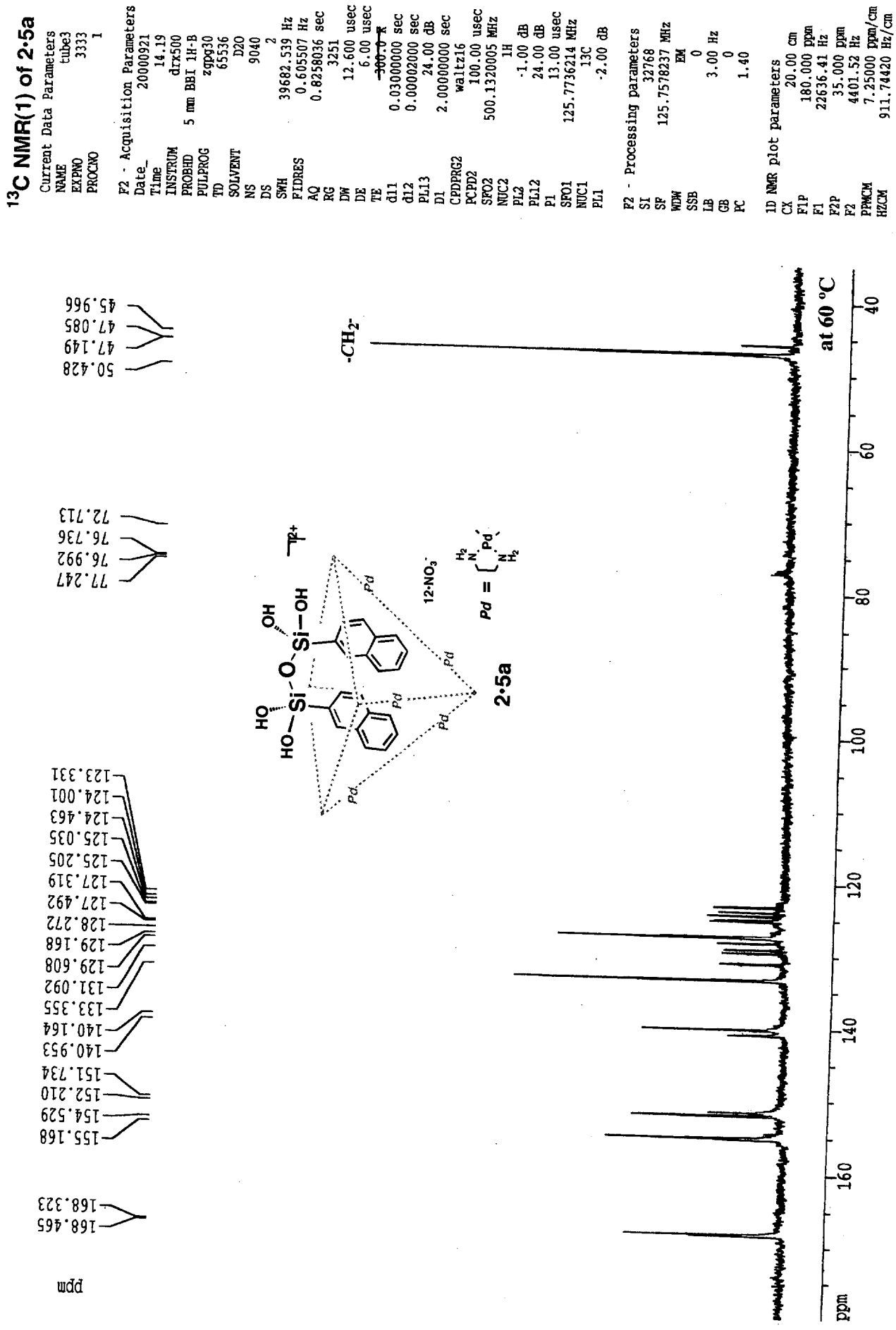
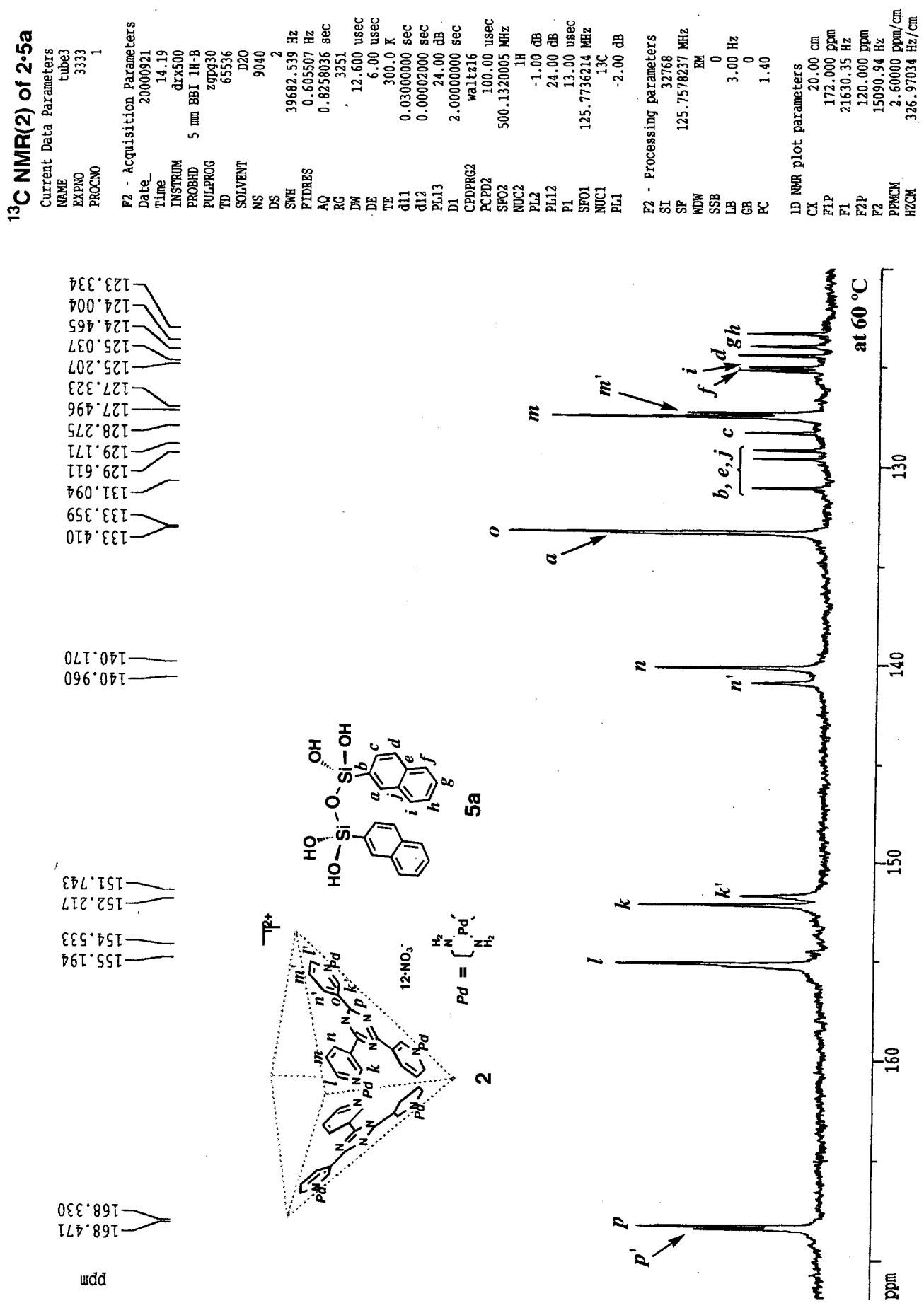
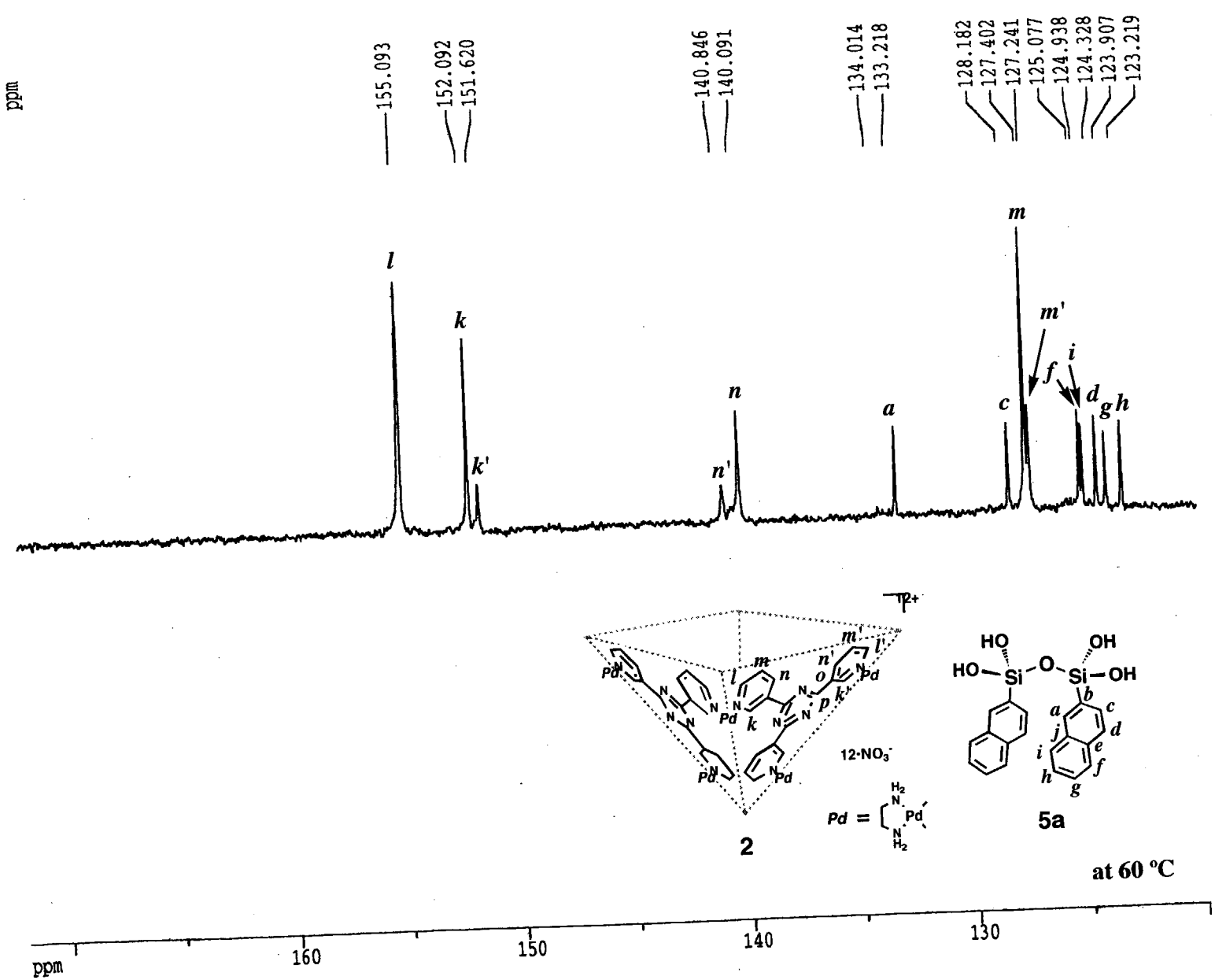






2

5a

at 60 °C

DEPT of 2·5a

Current Data Parameters

NAME	bowl4
EXPNO	6
PROCNO	1

F2 - Acquisition Parameters

Date_	20001010
Time	15.31
INSTRUM	drx500
PROBHD	5 mm BBO BB-1
PULPROG	dept135
TD	65536
SOLVENT	D2O
NS	1355
DS	4
SWH	39682.539 Hz
FIDRES	0.605507 Hz
AQ	0.8258036 sec
RG	16384
DW	12.600 usec
DE	6.00 usec
TE	300.0 K
P1	6.40 usec
p2	12.80 usec
P3	8.40 usec
p4	16.80 usec
CNST2	145.0000000
d2	0.00344828 sec
d12	0.00002000 sec
DELTA	0.00000815 sec
D1	2.00000000 sec
PL2	-4.00 dB
SFO2	500.1320005 MHz
NUC2	1H
SFO1	125.7736214 MHz
NUC1	13C
PL1	2.00 dB
PL12	16.00 dB
CPDPRG2	waltz16
PCPD2	81.00 usec

F2 - Processing parameters

SI	32768
SF	125.7578471 MHz
WDW	EM
SSB	0
LB	3.00 Hz
GB	0
PC	1.40

1D NMR plot parameters

CX	20.00 cm
F1P	172.000 ppm
F1	21630.35 Hz
F2P	120.000 ppm
F2	15090.94 Hz
PPMCM	2.60000 ppm/cm
HZCM	326.97040 Hz/cm

^{29}Si NMR of 2•5a

Current Data Parameters	
NAME	bow14
EXPNO	2
PROCNO	1

F2 - Acquisition Parameters	
Date_	20001004
Time	19.33
INSTRUM	drx500
PROBHD	5 mm BBO BB-1
PULPROG	dept45
TD	65536
SOLVENT	CDCl3
NS	3744
DS	4
SWH	39682.539 Hz
FIDRES	0.605507 Hz
AQ	0.8258036 sec
RG	7298.2
DW	12.600 usec
DE	6.00 usec
TE	300.0 K
P1	7.50 usec
p2	15.00 usec
P3	7.60 usec
p4	15.20 usec
CNST2	20.0000000
d2	0.02500000 sec
d12	0.00002000 sec
DELTA	0.00000955 sec
D1	2.00000000 sec
PL2	-4.00 dB
SFO2	500.1320005 MHz
NUC2	1H
SFO1	99.3617370 MHz
NUC1	29Si
PL1	2.00 dB
PL12	16.00 dB
CPDPRG2	waltz16
PCPD2	81.00 usec

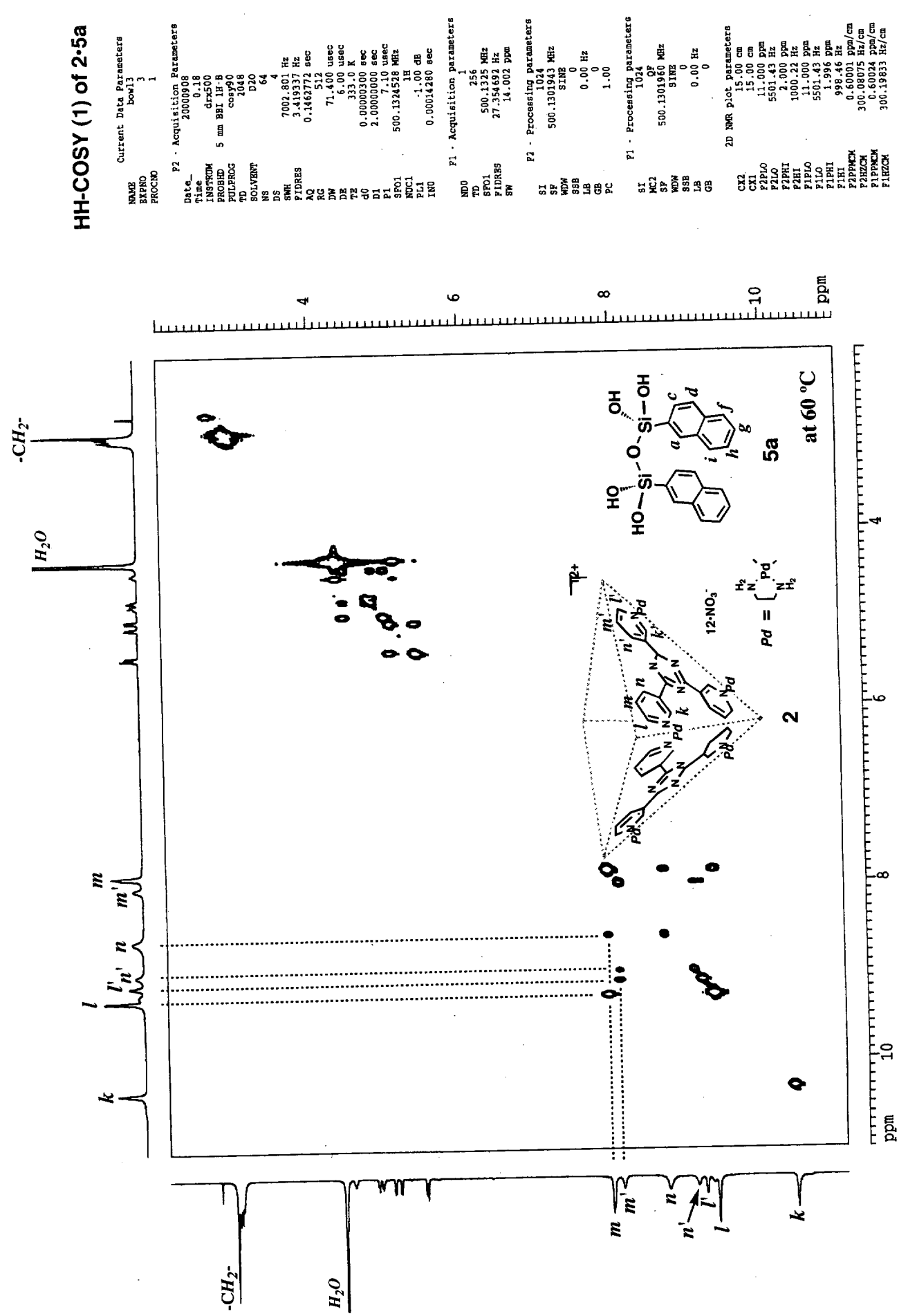
F2 - Processing parameters	
SI	32768
SF	99.3617534 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.40

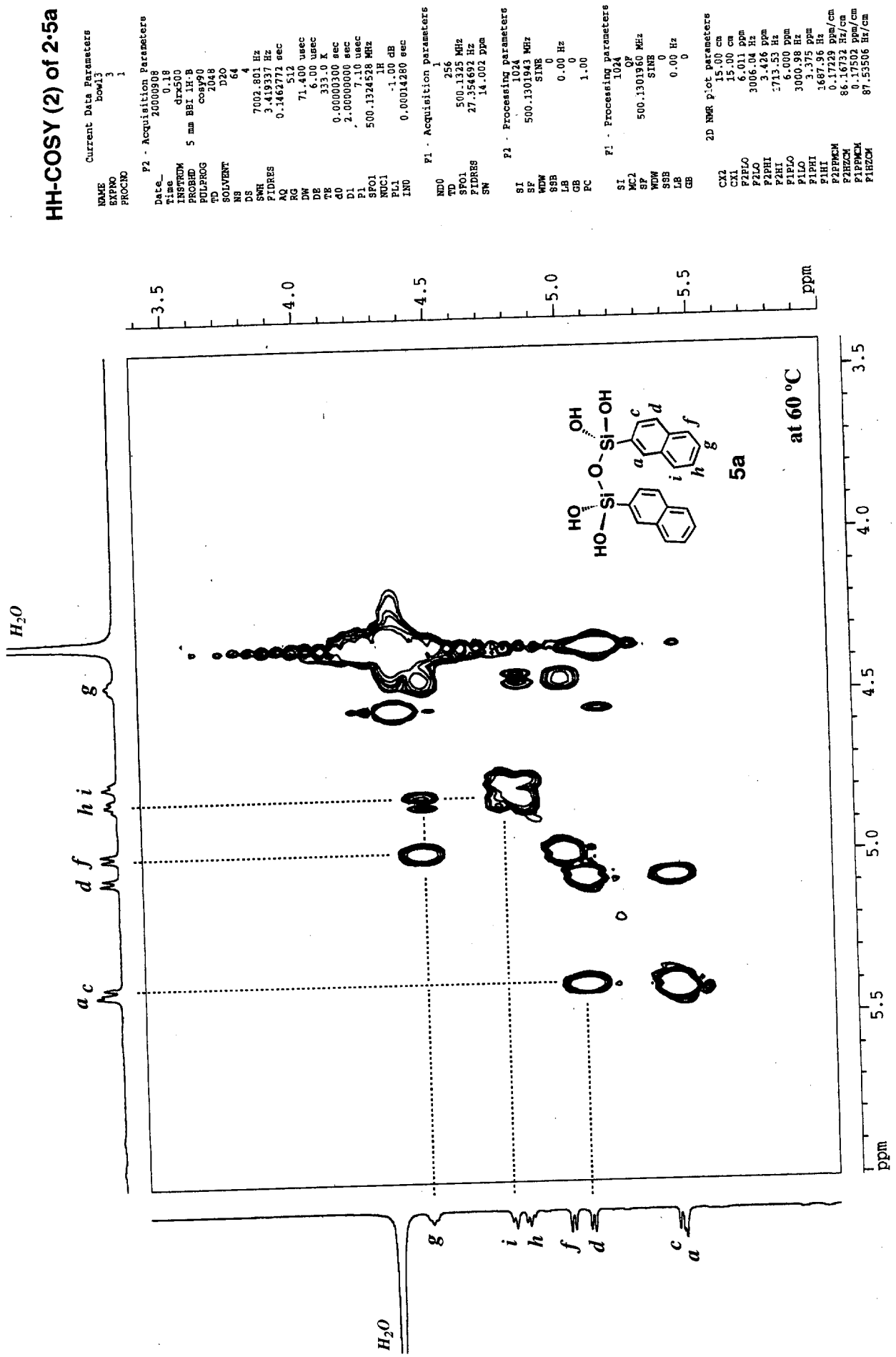
1D NMR plot parameters	
CX	20.00 cm
F1P	199.522 ppm
F1	19824.83 Hz
F2P	-199.853 ppm
F2	-19857.71 Hz
PPMCM	19.96872 ppm/cm
HZCM	1984.12708 Hz/cm

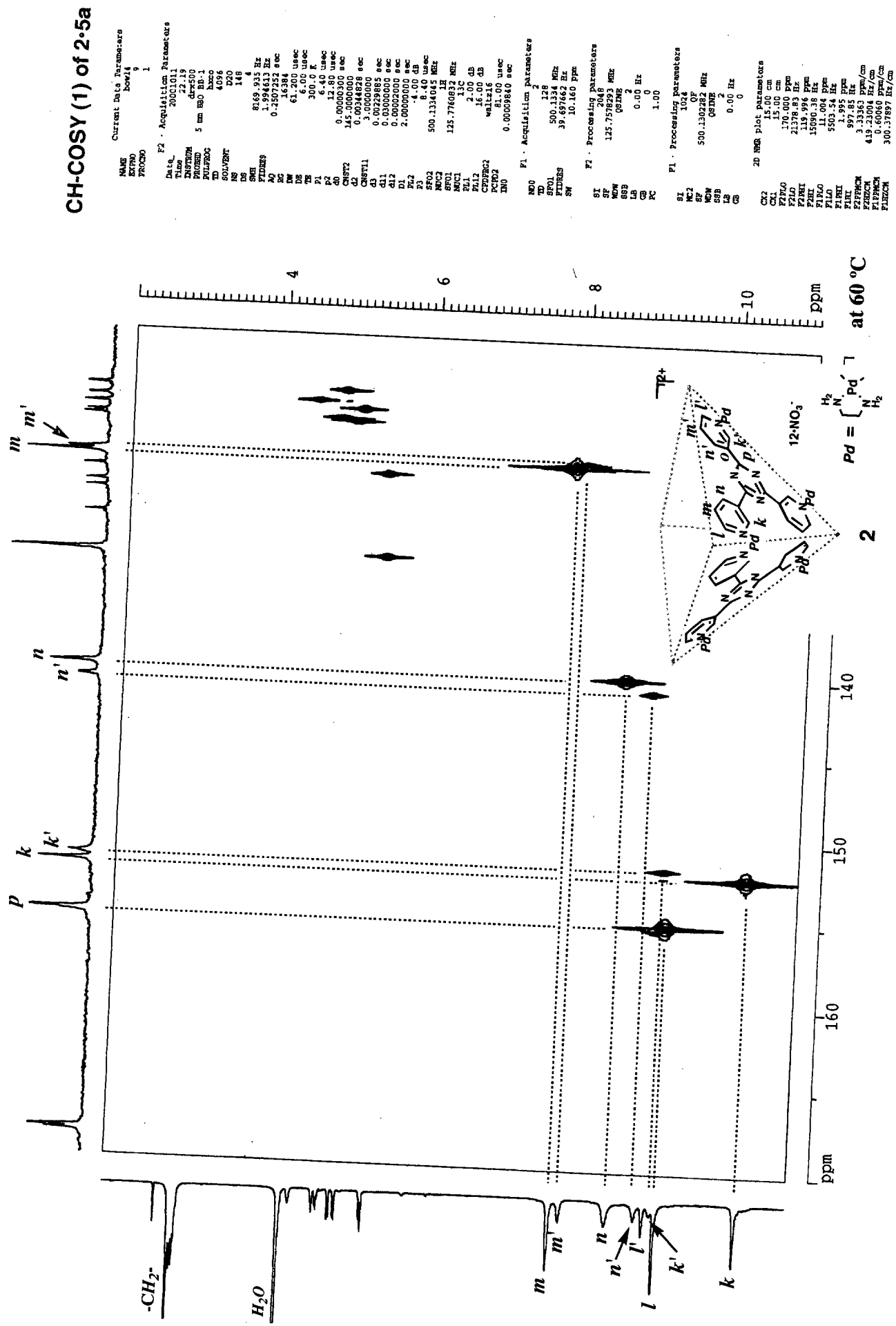
-62.372

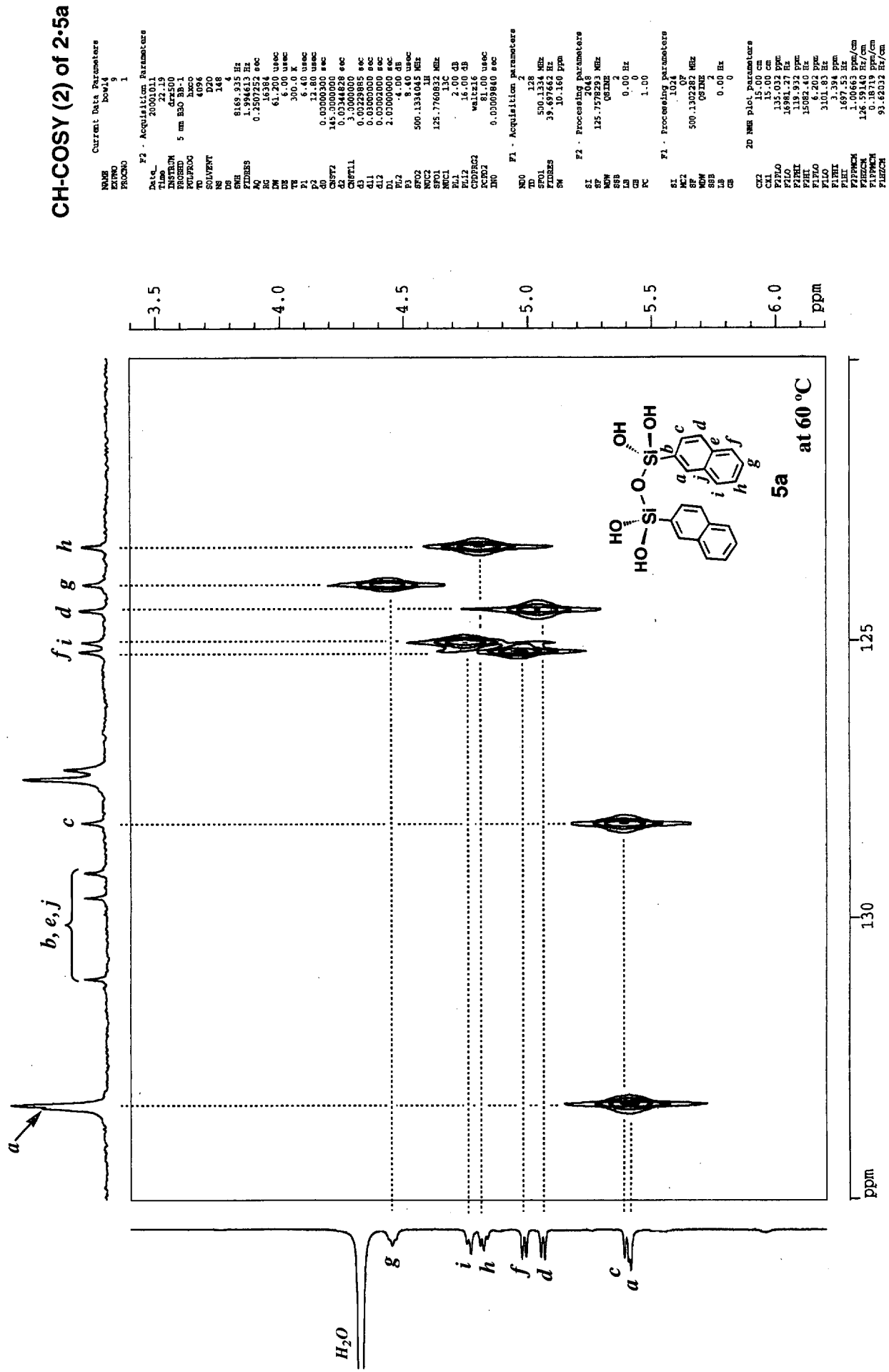
at 60 °C

ppm









NOESY of 2·5a

Current Data Parameters

NAME	how14
EXPNO	12
PROCNO	1

F2 - Acquisition Parameters

Date_	20001014
Time	1.56
INSTRUM	drx500
PROBHD	5 mm BBO BB-1
PULPROG	noesytp
TD	2048
SOLVENT	D2O
NS	32
DS	4
SWH	2042.484 Hz
FIDRES	0.997306 Hz
AQ	0.5014004 sec
RG	256
DW	244.800 usec
DE	6.00 usec
TE	300.0 K
d0	0.00000300 sec
D1	2.00000000 sec
P1	8.40 usec
SFO1	500.1323920 MHz
NUC1	1H
PL1	-4.00 dB
D8	0.30000001 sec
INO	0.00024480 sec

F1 - Acquisition parameters

NDO	2
TD	417
SFO1	500.1324 MHz
FIDRES	4.898042 Hz
SW	4.084 ppm

F2 - Processing parameters

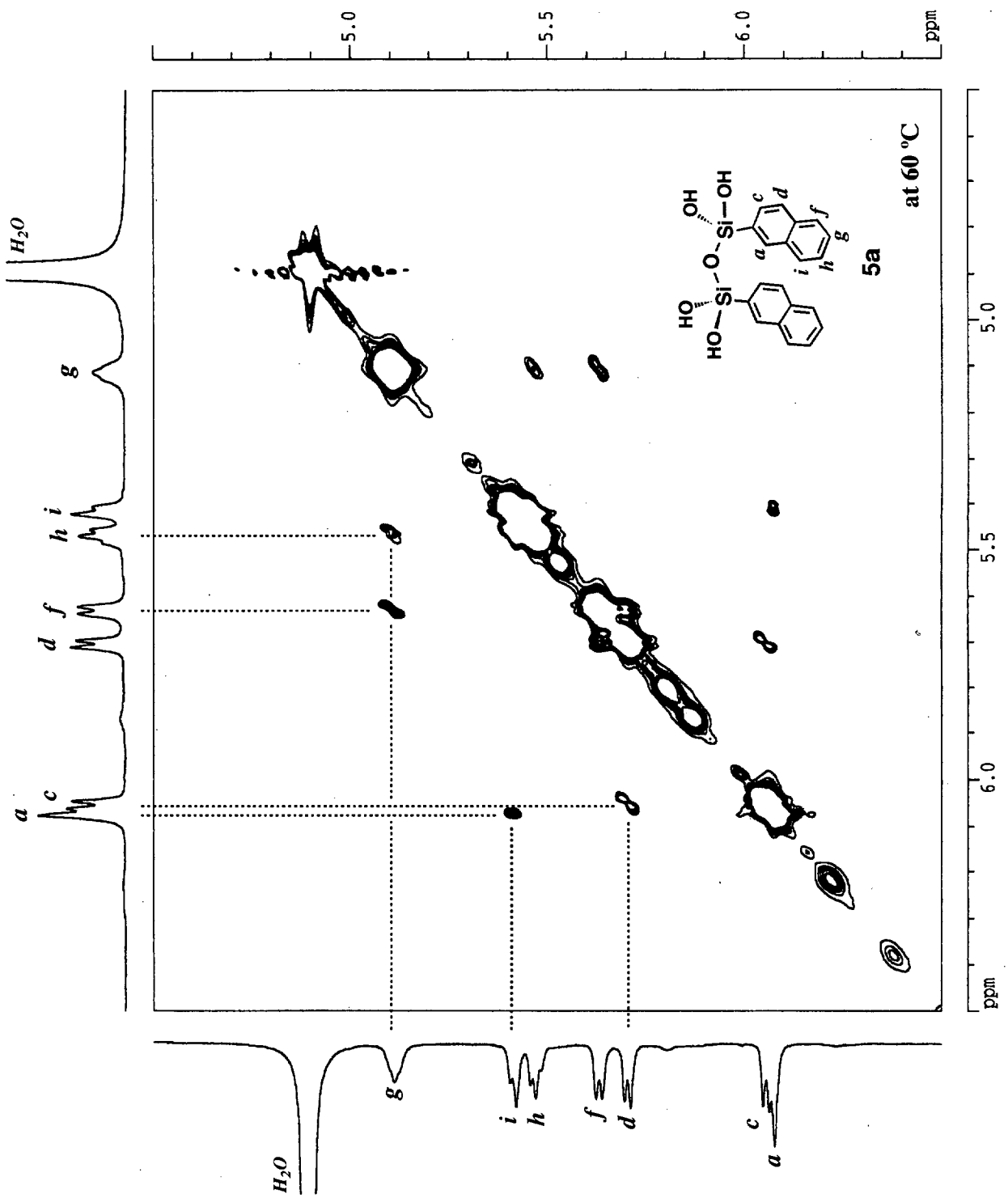
SI	1024
SF	500.1299079 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0
PC	1.40

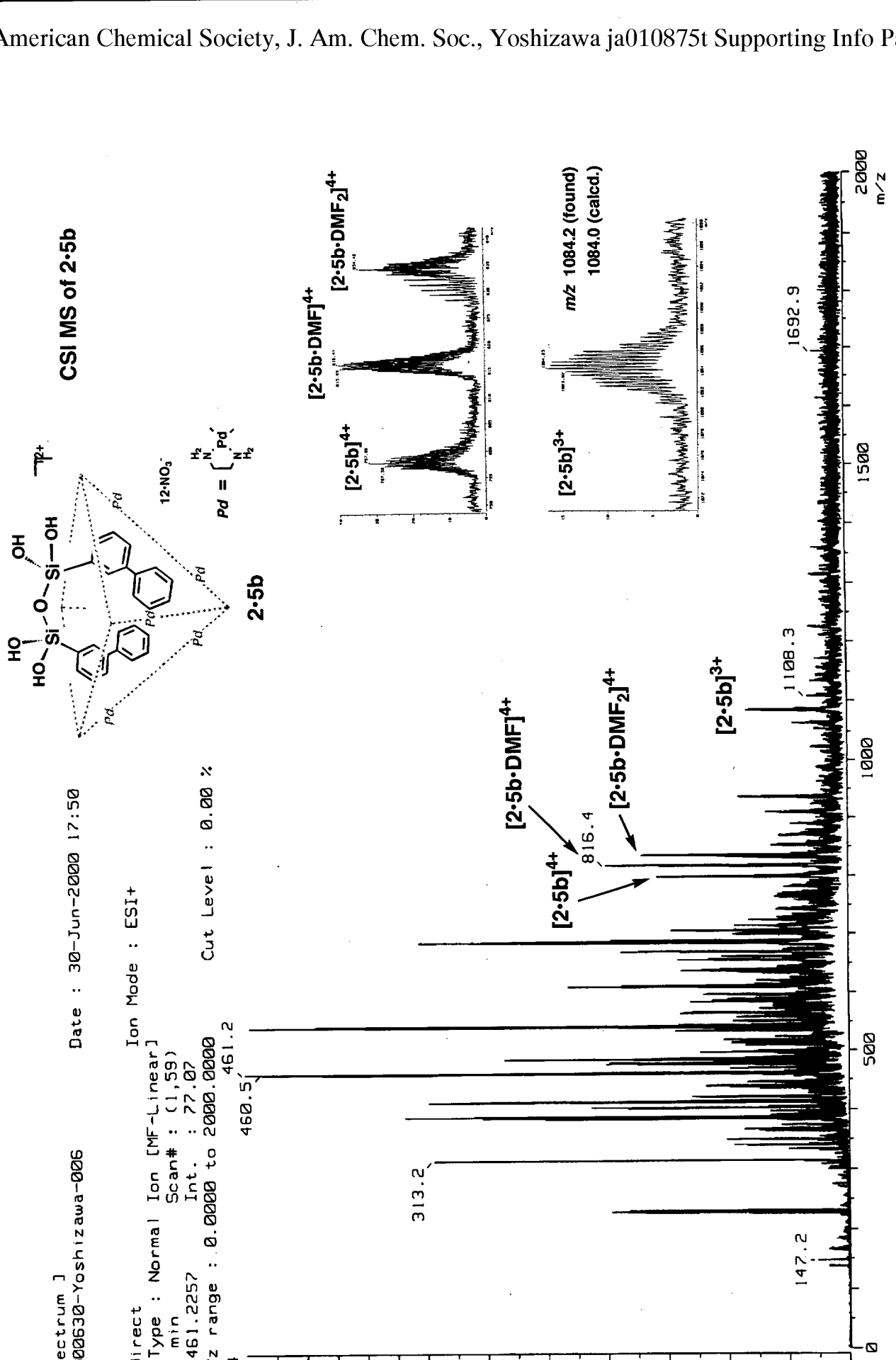
F1 - Processing parameters

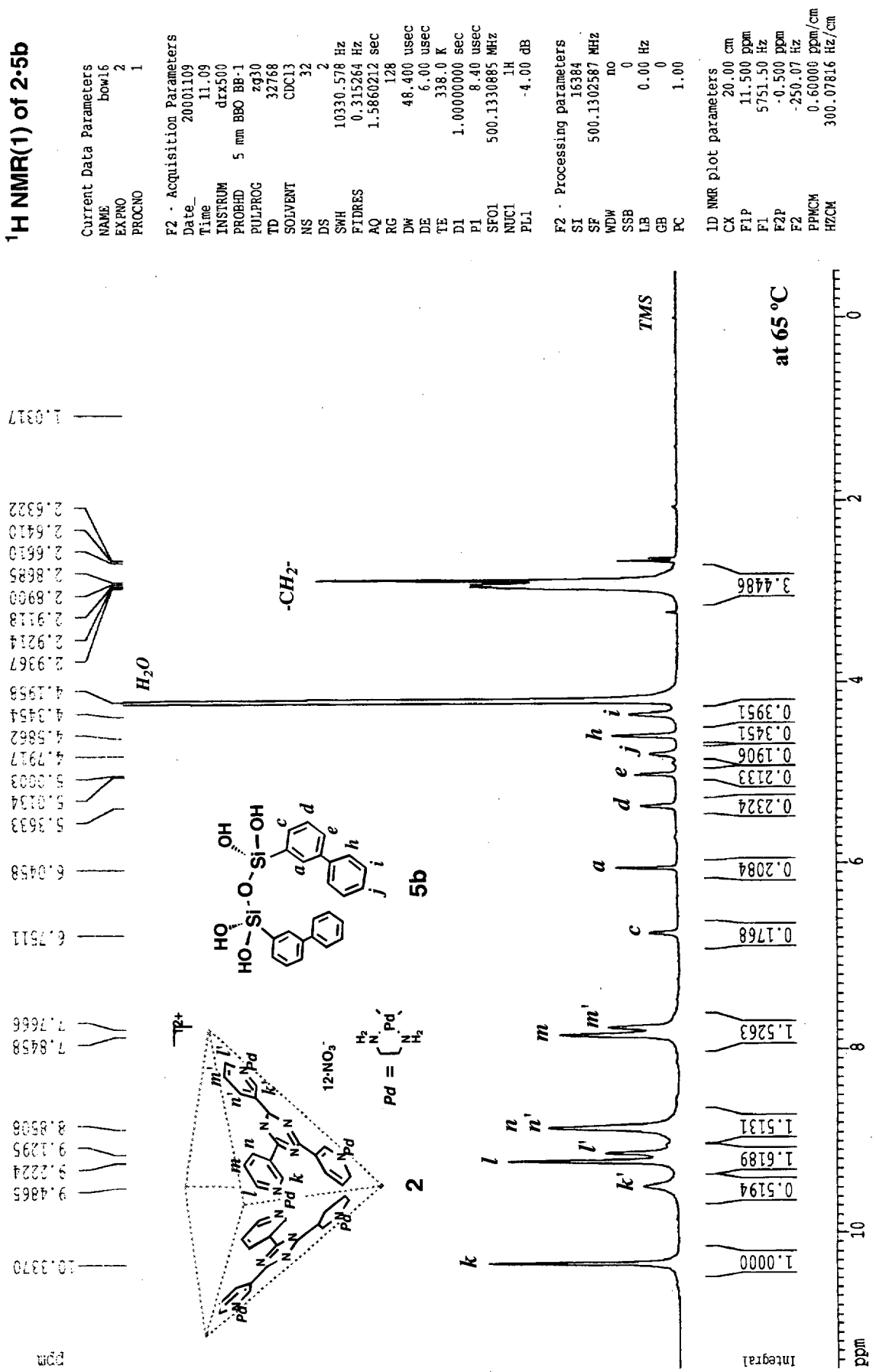
SI	1024
MC2	TPPI
SF	500.1299079 MHz
WDW	QSINE
SSB	2
LB	0.00 Hz
GB	0

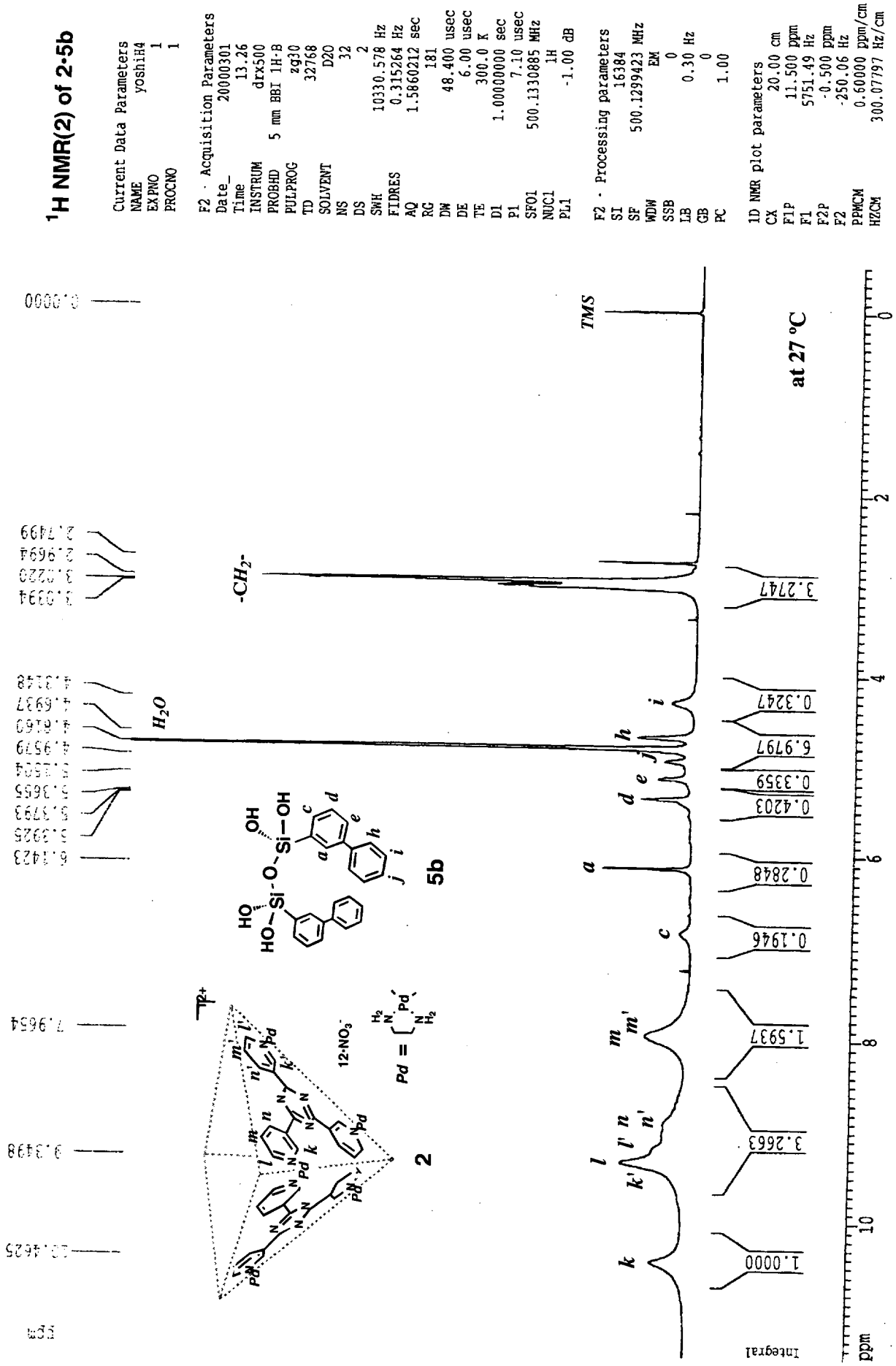
2D NMR plot parameters

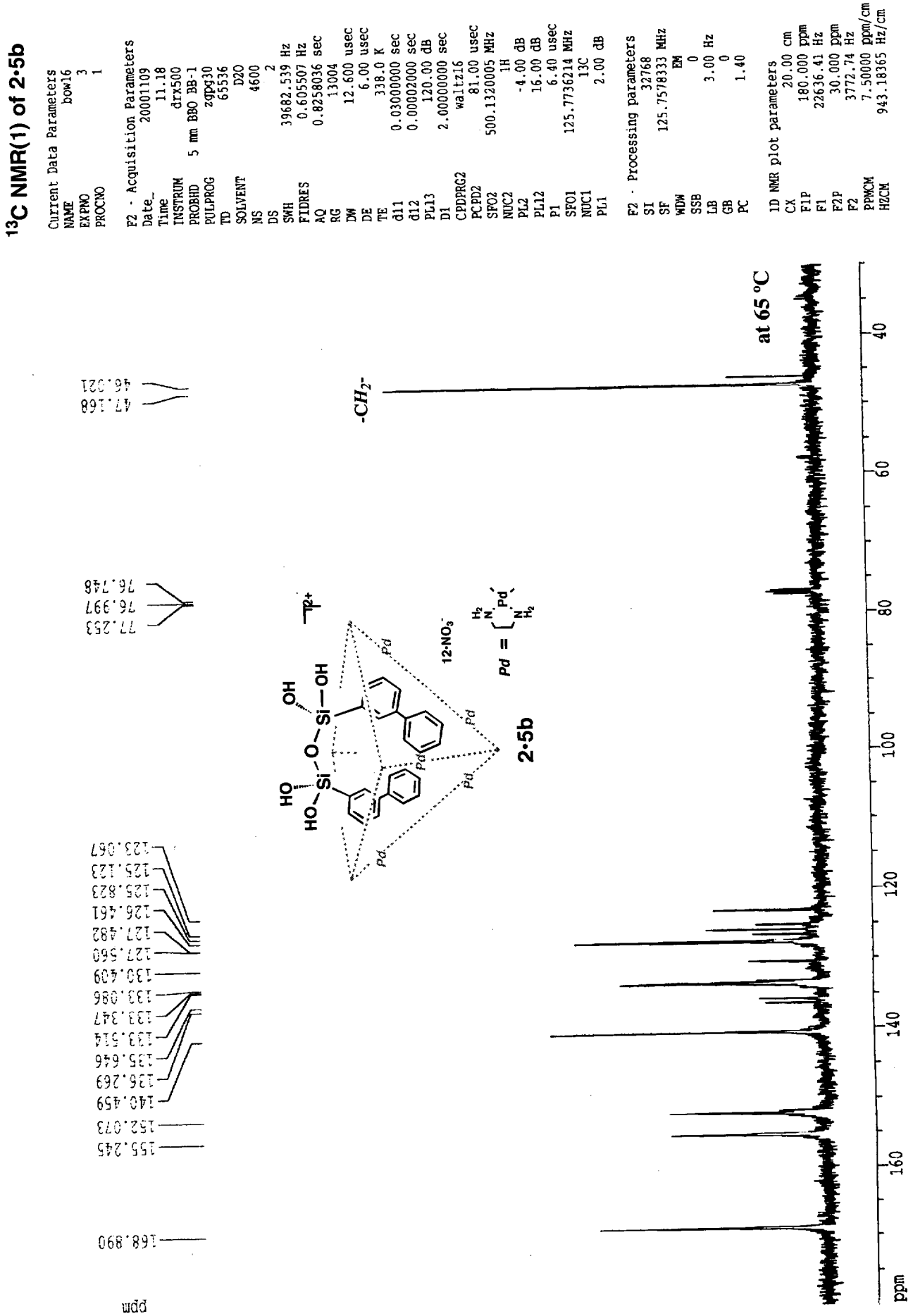
CX2	15.00 cm
CX1	15.00 cm
F2PLO	6.500 ppm
F2LO	3250.84 Hz
F2PHI	4.500 ppm
F2HI	2250.58 Hz
F1PLO	6.500 ppm
F1LO	3250.84 Hz
F1PHI	4.500 ppm
F1HI	2250.58 Hz
F2PPMCM	0.13333 ppm/cm
F2HZCM	66.68399 Hz/cm
F1PPMCM	0.13333 ppm/cm
F1HZCM	66.68399 Hz/cm

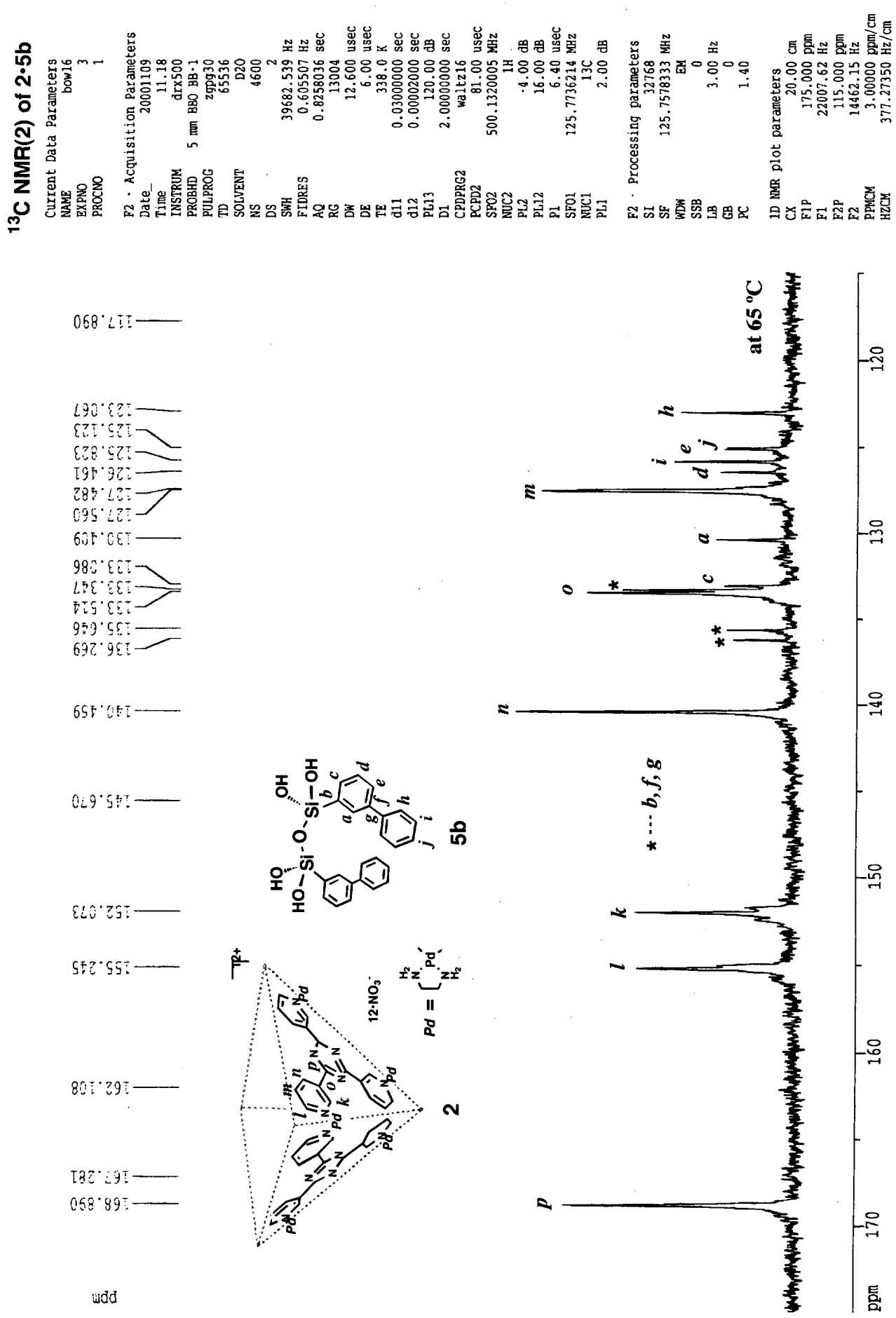




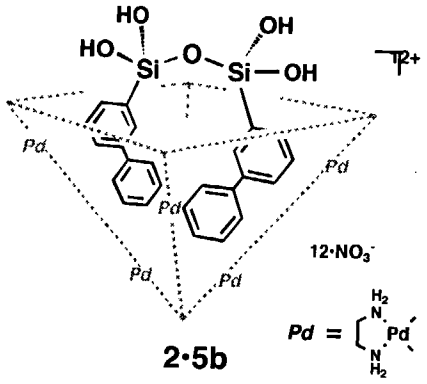






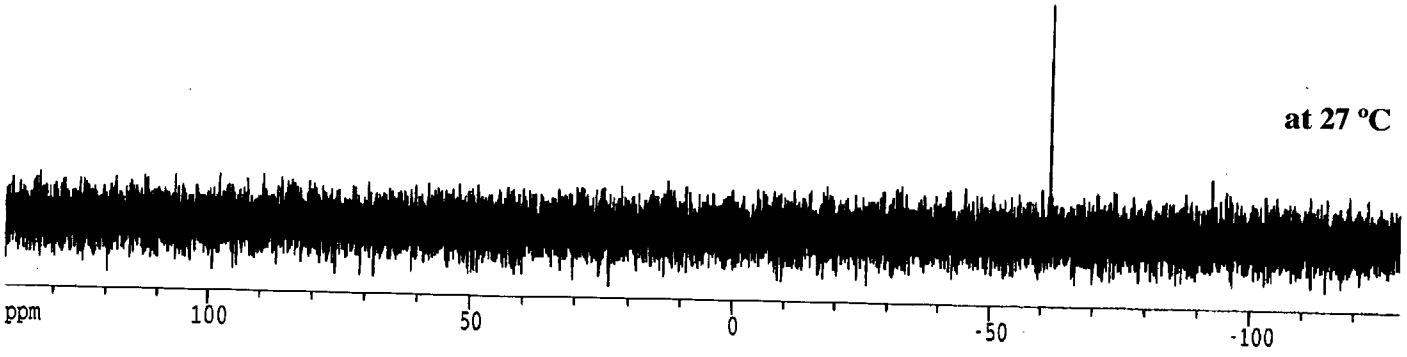


^{29}Si NMR of 2·5b



2·5b

-61.837



Current Data Parameters

NAME	bowl1
EXPNO	3
PROCNO	1

F2 - Acquisition Parameters

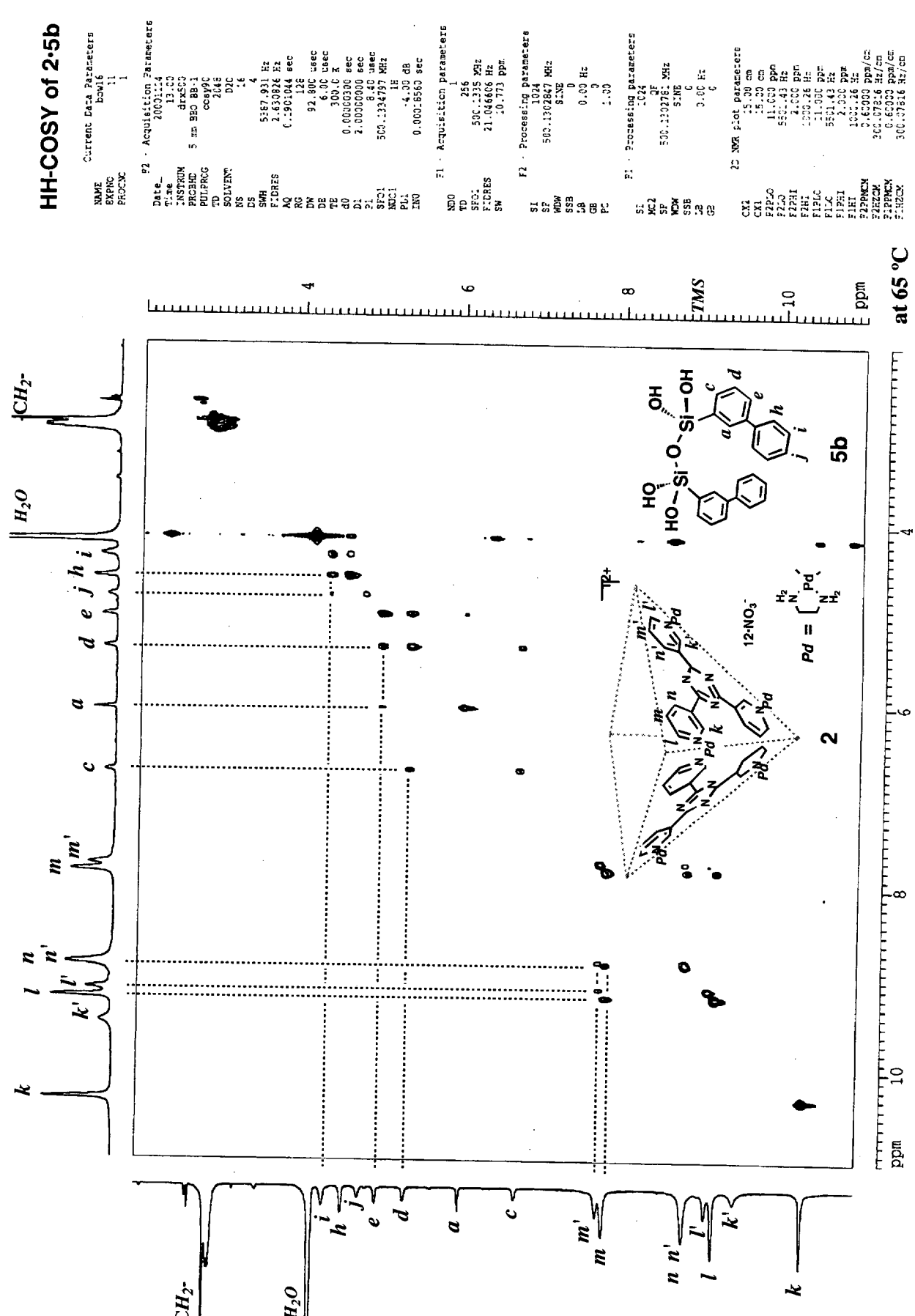
Date_	20000613
Time	15.04
INSTRUM	drx500
PROBHD	5 mm BBO BB-1
PULPROG	dept45
TD	65536
SOLVENT	CDCl3
NS	4043
DS	4
SWH	39682.539 Hz
FIDRES	0.605507 Hz
AQ	0.8258036 sec
RG	3649.1
DW	12.600 usec
DE	6.00 usec
TE	300.0 K
P1	7.50 usec
p2	15.00 usec
P3	7.60 usec
p4	15.20 usec
CNST2	20.0000000
d2	0.02500000 sec
d12	0.00002000 sec
DELTA	0.00000955 sec
D1	2.00000000 sec
PL2	-4.00 dB
SFO2	500.1320005 MHz
NUC2	1H
SFO1	99.3617370 MHz
NUC1	29Si
PL1	2.00 dB
PL12	16.00 dB
CPDPRG2	waltz16
PCPD2	81.00 usec

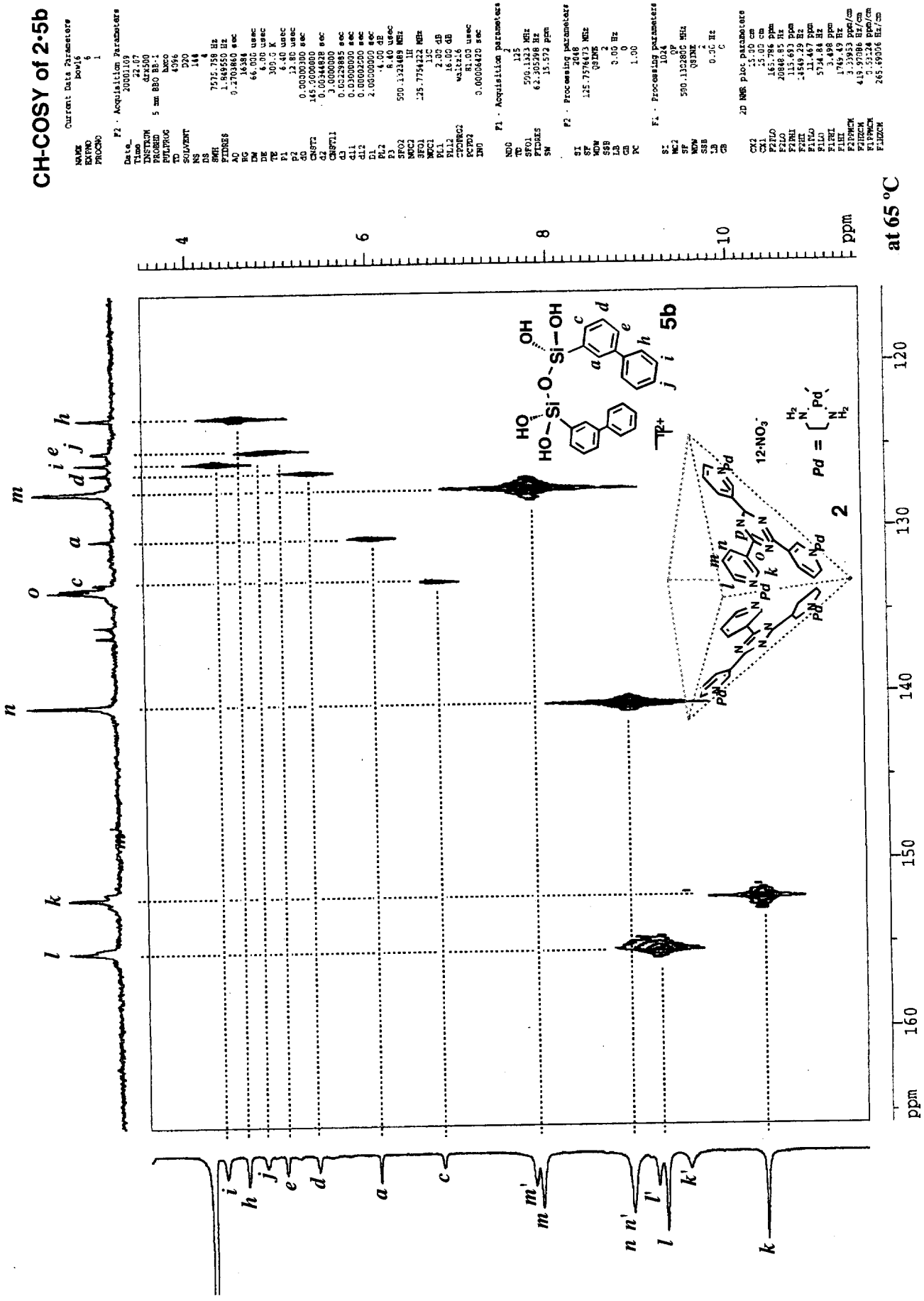
F2 - Processing parameters

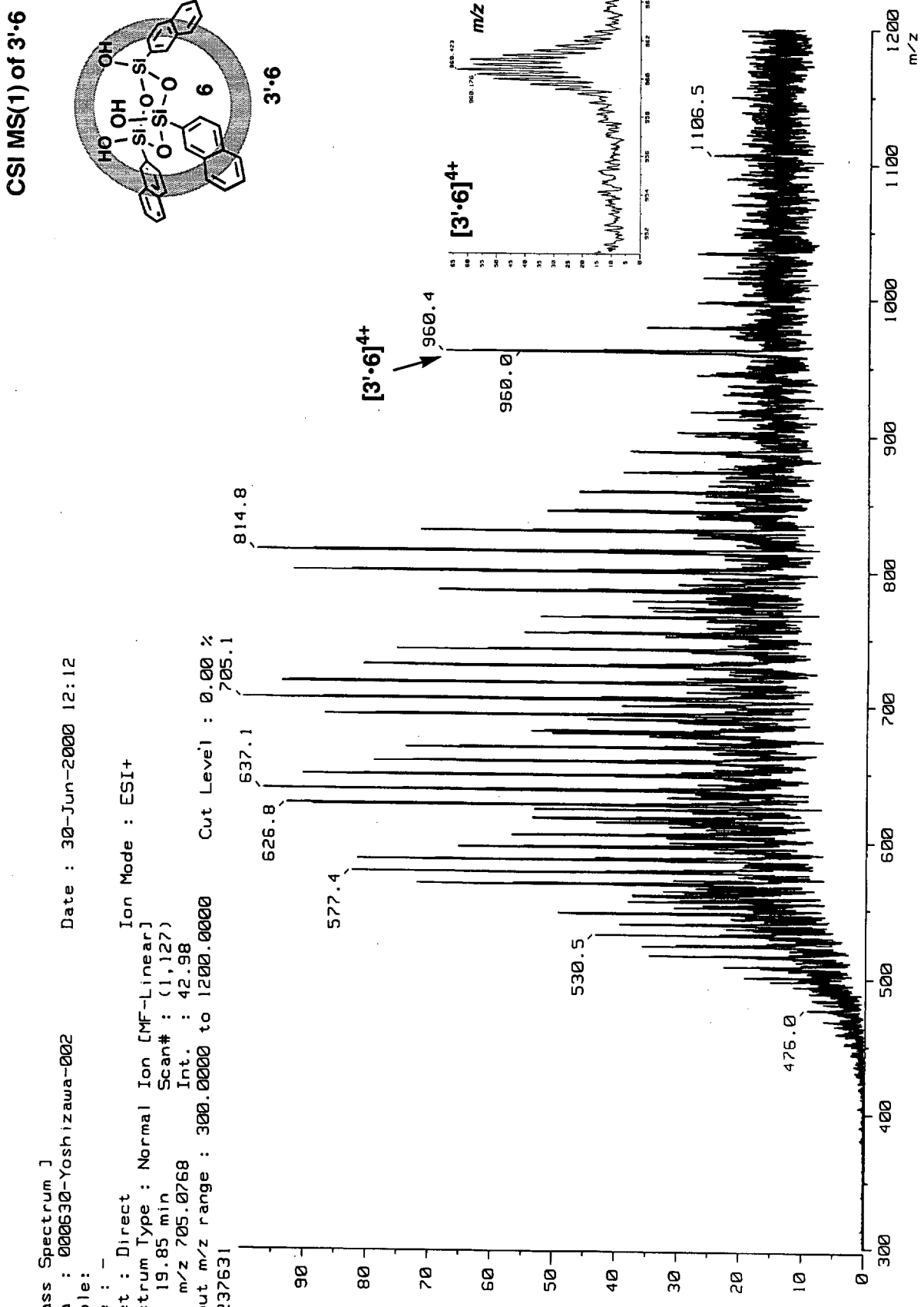
SI	32768
SF	99.3617534 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.40

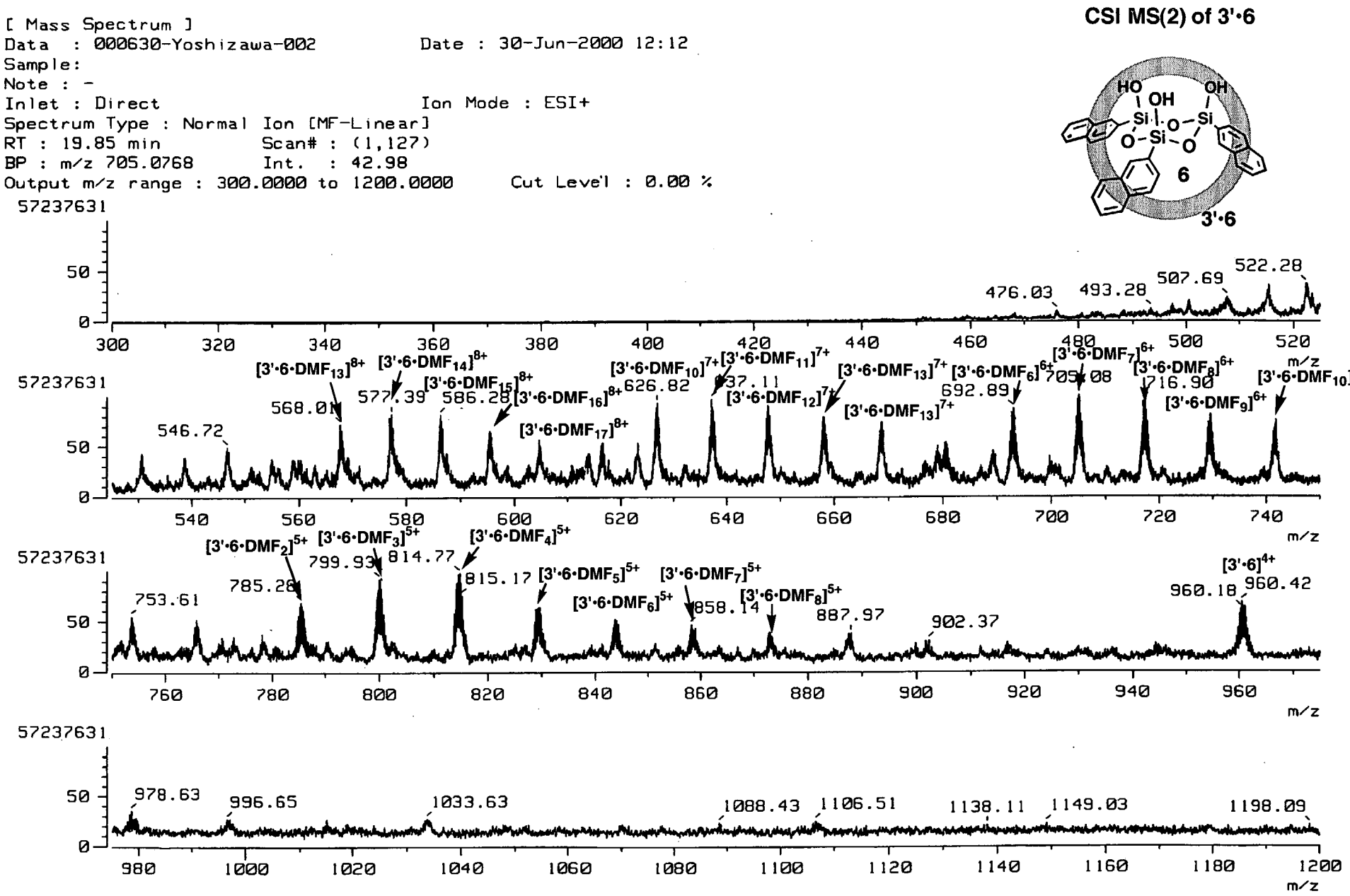
1D NMR plot parameters

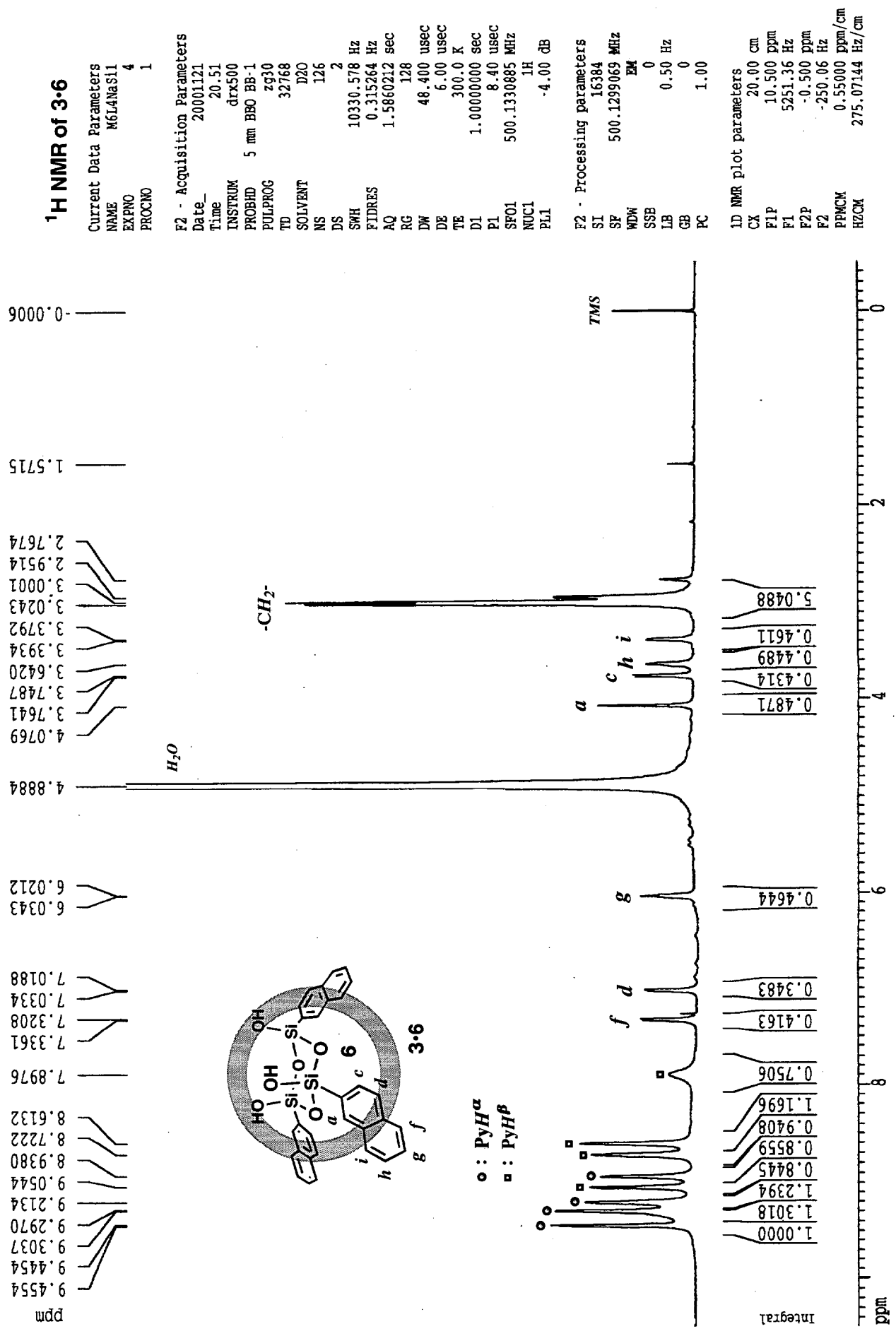
CX	20.00 cm
F1P	139.373 ppm
F1	13848.34 Hz
F2P	-128.435 ppm
F2	-12761.56 Hz
PPMCM	13.39041 ppm/cm
HZCM	1330.49512 Hz/cm

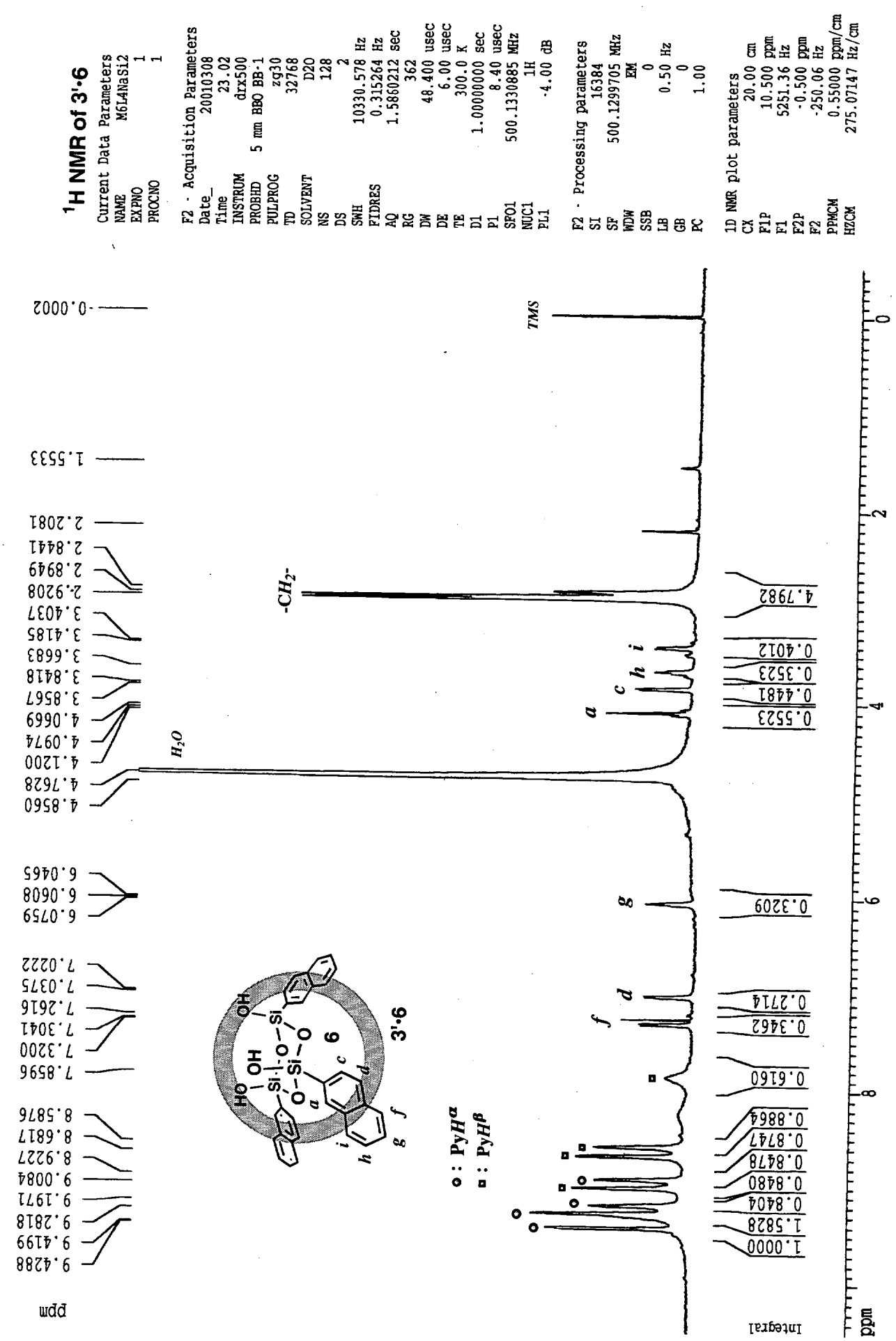


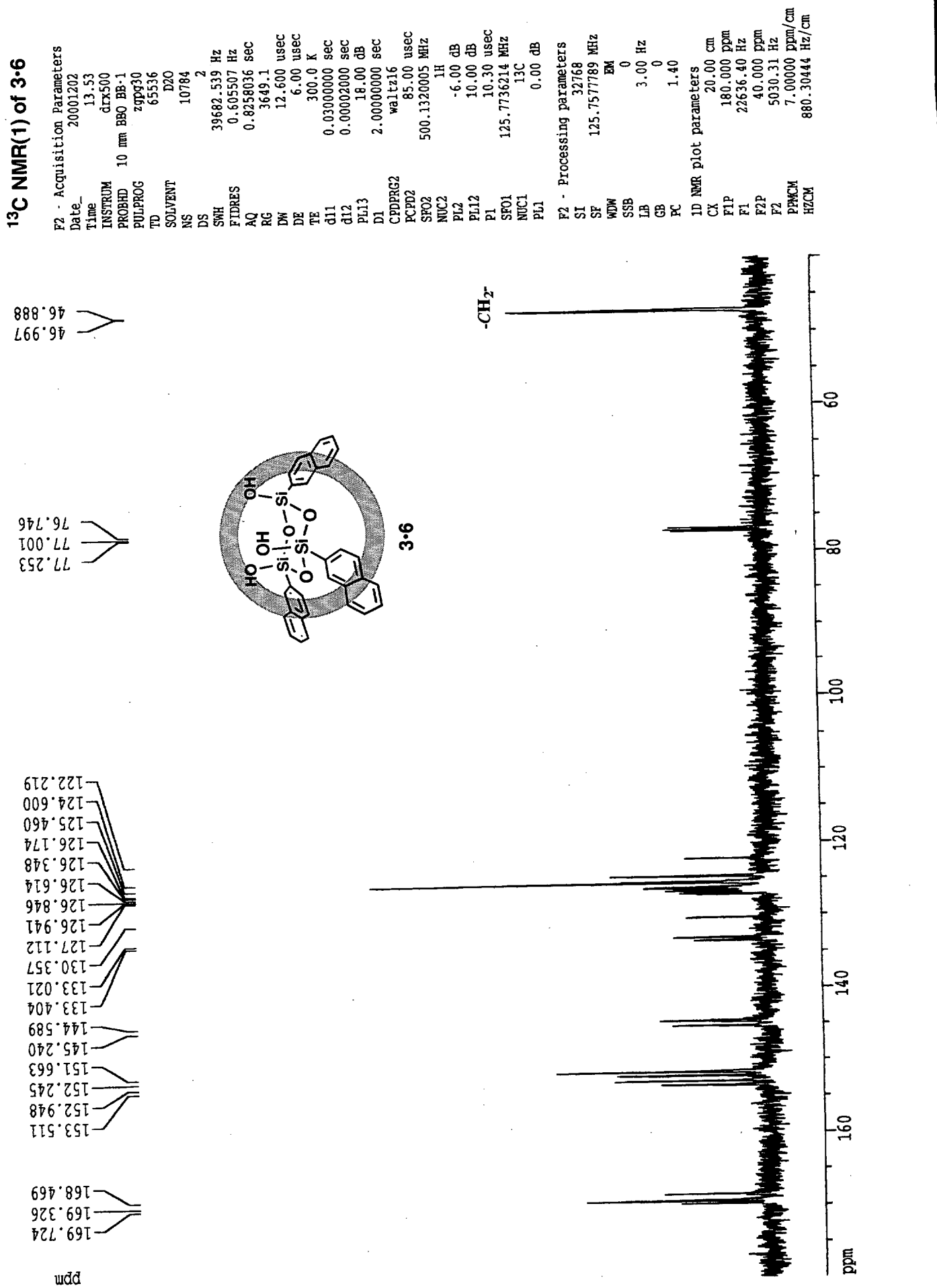


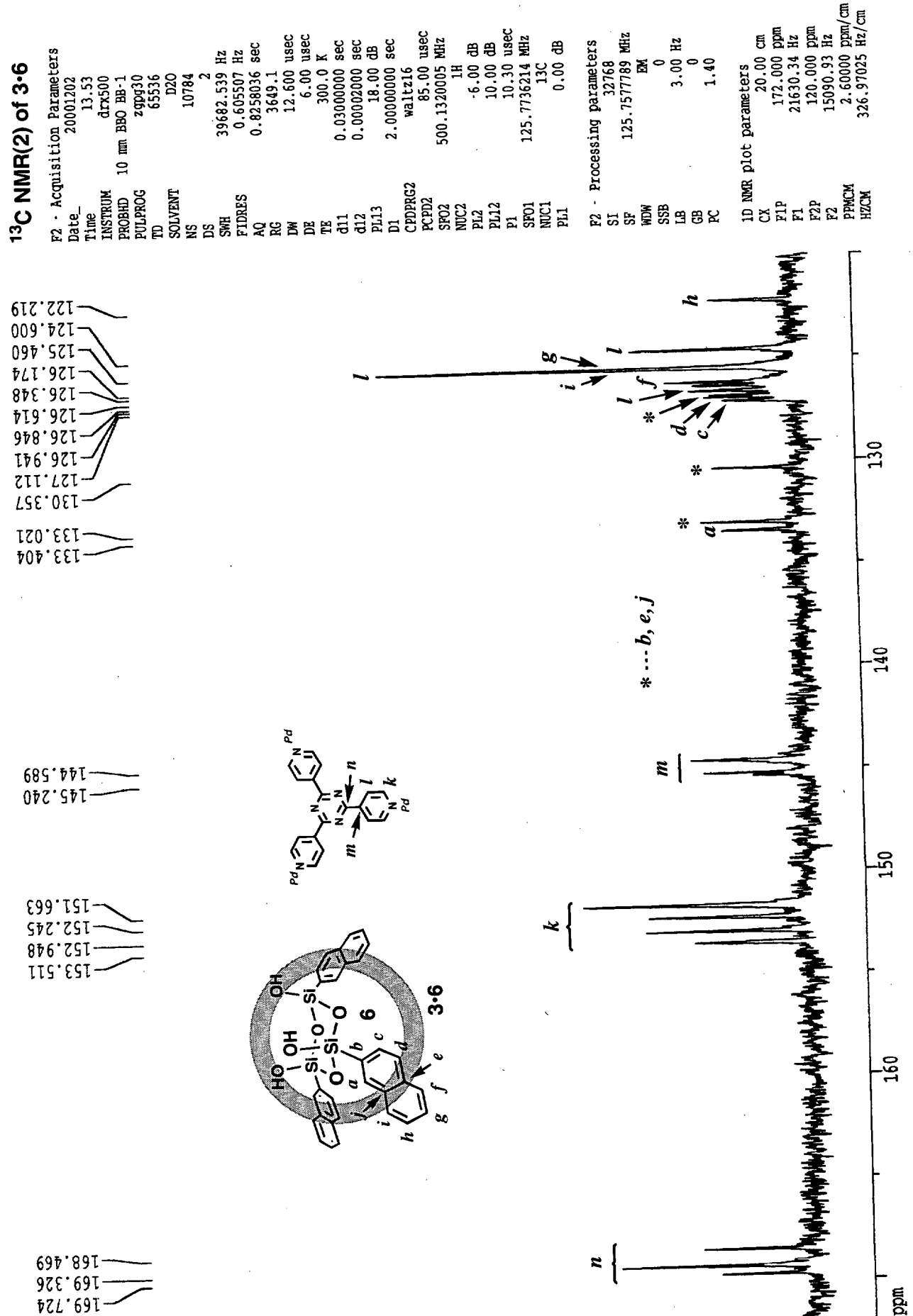


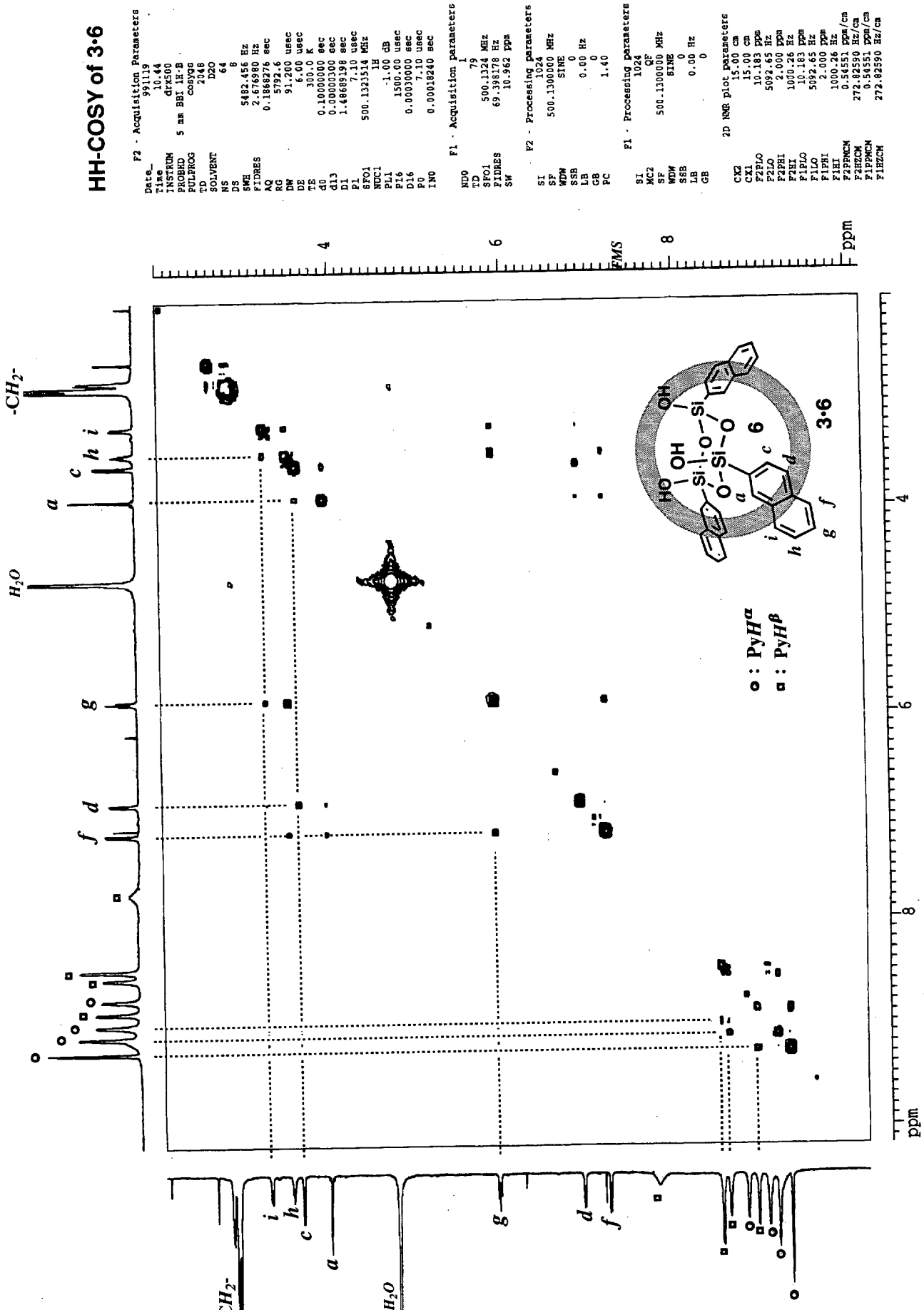


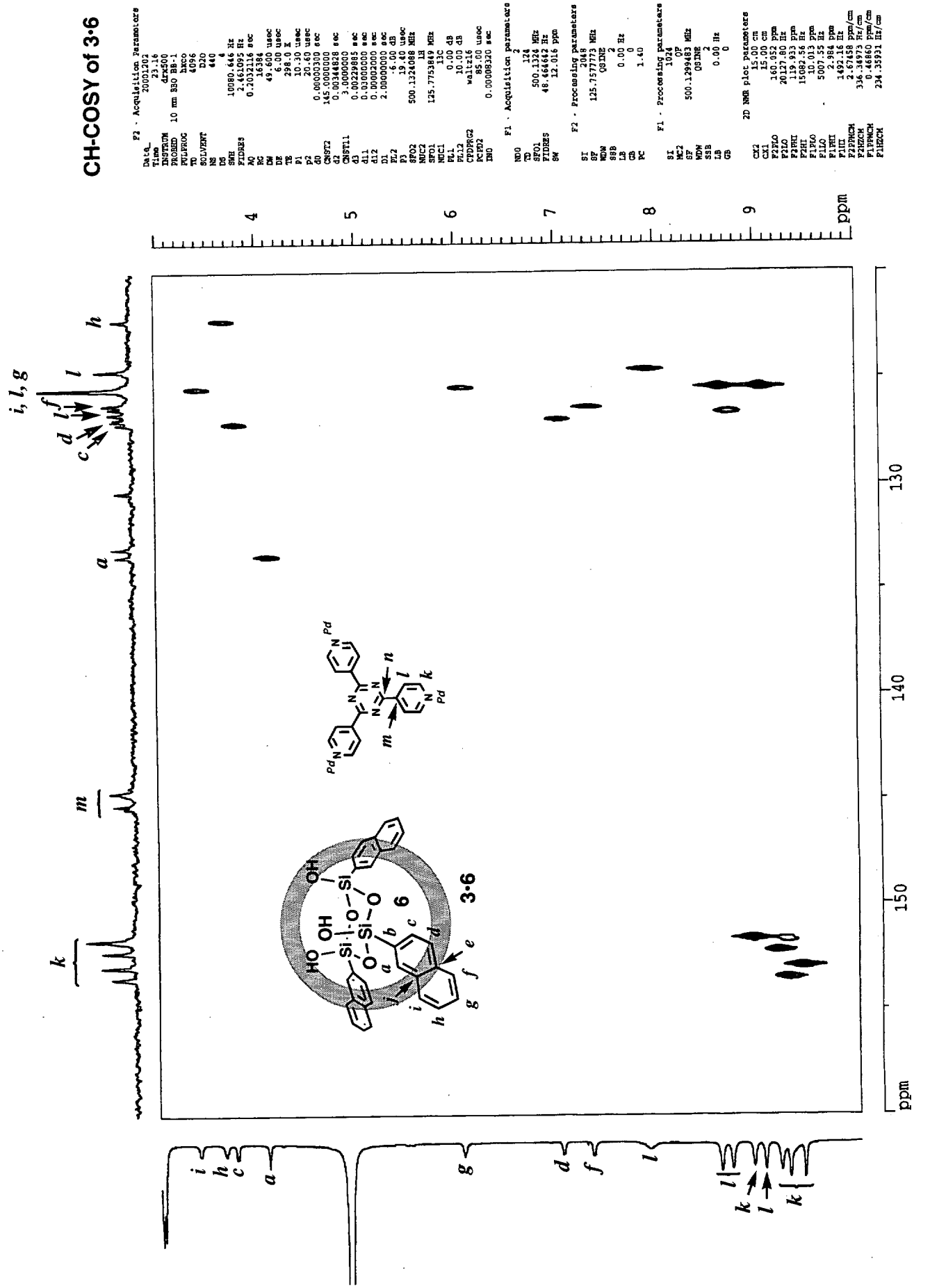




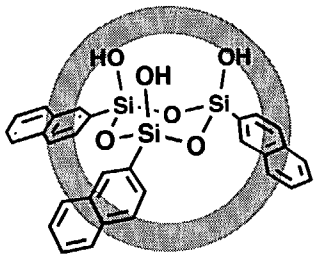








^{29}Si NMR of 3·6



3·6

F2 - Acquisition Parameters	
Date_	20001120
Time	22.33
INSTRUM	drx500
PROBHD	5 mm BBO BB-1
PULPROG	dept45
TD	65536
SOLVENT	H2O
NS	14699
DS	4
SWH	39682.539 Hz
FIDRES	0.605507 Hz
AQ	0.8258036 sec
RG	7298.2
DW	12.600 usec
DE	6.00 usec
TE	~~300.0 K~~ ~~298~~
P1	7.50 usec
p2	15.00 usec
P3	7.60 usec
p4	15.20 usec
CNST2	20.0000000
d2	0.02500000 sec
d12	0.00002000 sec
DELTA	0.00000955 sec
D1	2.00000000 sec
PL2	-4.00 dB
SFO2	500.1320005 MHz
NUC2	1H
SFO1	99.3617370 MHz
NUC1	29Si
PL1	2.00 dB
PL12	16.00 dB
CPDPRG2	waltz16
PCPD2	81.00 usec

F2 - Processing parameters	
SI	32768
SF	99.3617534 MHz
WDW	EM
SSB	0
LB	3.00 Hz
GB	0
PC	1.40

1D NMR plot parameters	
CX	20.00 cm
F1P	94.459 ppm
F1	9385.60 Hz
F2P	-124.664 ppm
F2	-12386.87 Hz
PPMCM	10.95616 ppm/cm
HZCM	1088.62317 Hz/cm