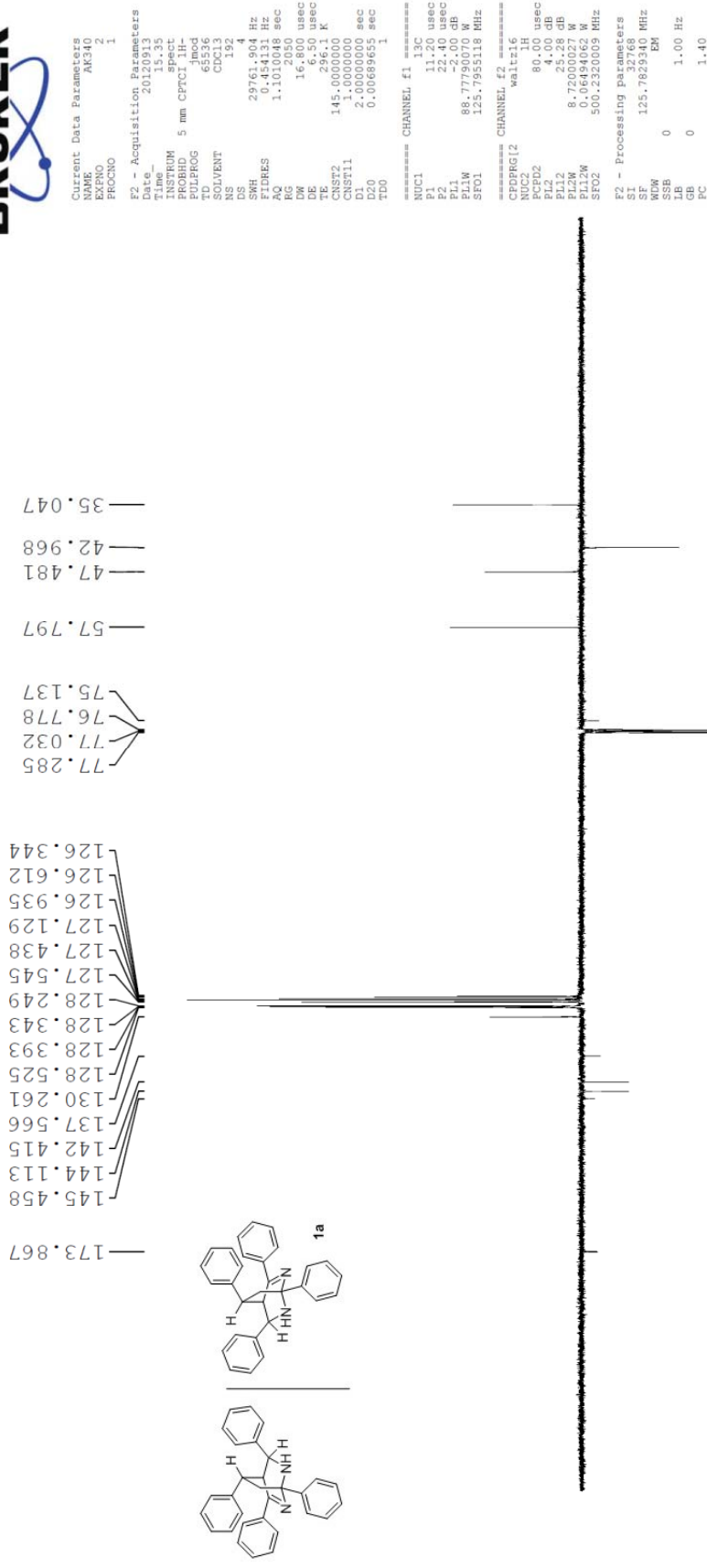


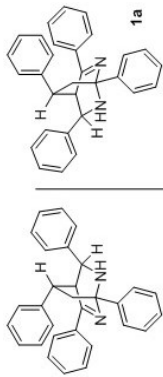


200 180 160 140 120 100 80 60 40 20 0 ppm

AK340



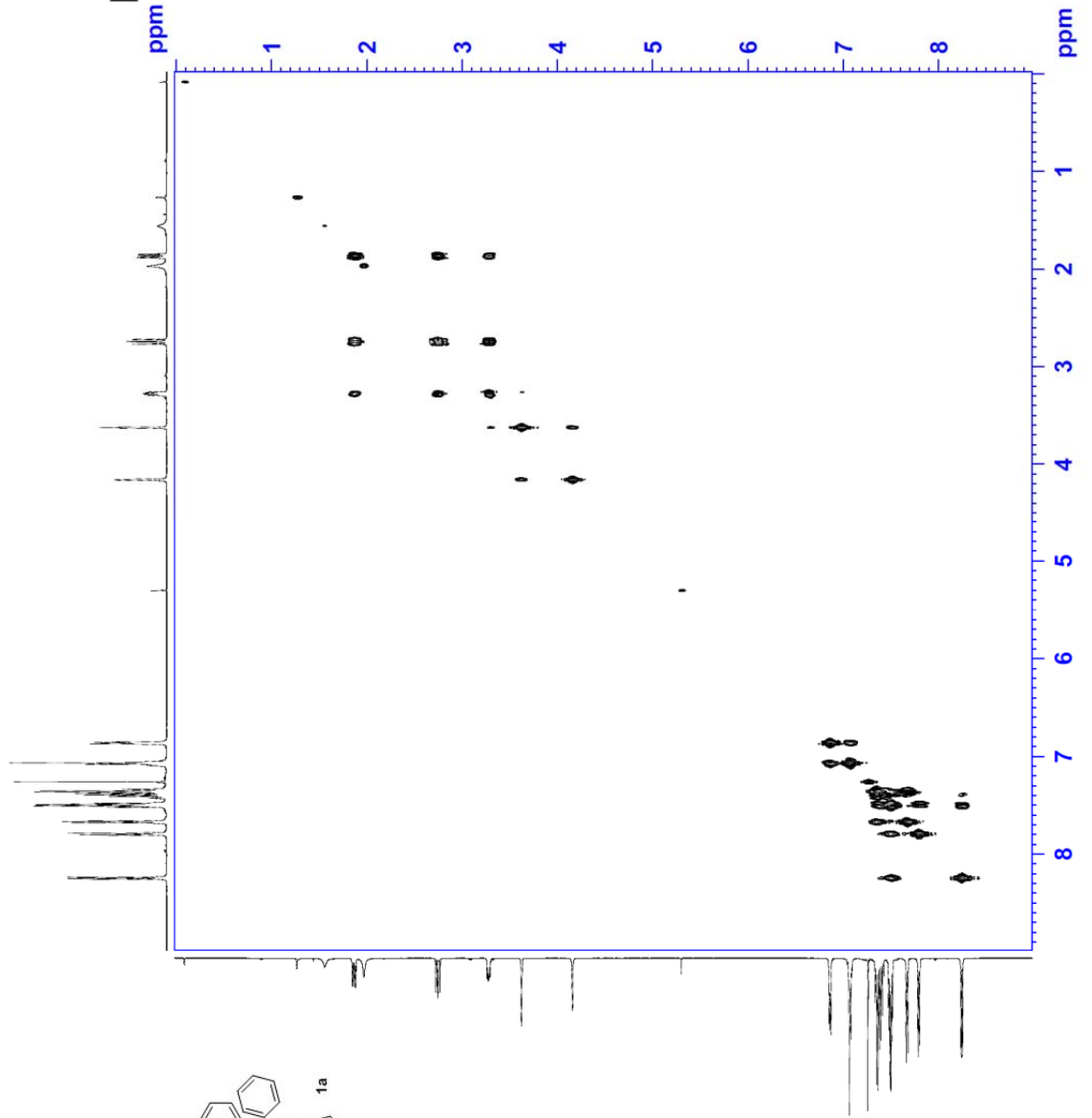
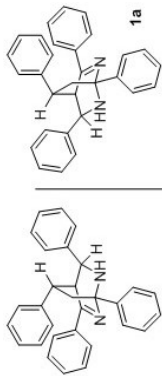
1.846
1.858
1.873
1.885
1.969
2.721
2.741
2.748
2.768
3.263
3.273
3.275
3.280
3.283
3.292
3.623
3.623
4.156
4.159
6.853
6.856
6.867
6.871
7.066
7.080
7.261
7.336
7.350
7.366
7.382
7.397
7.411
7.478
7.489
7.493
7.504
7.508
7.519
7.662
7.664
7.679
7.786
7.801
8.238
8.252



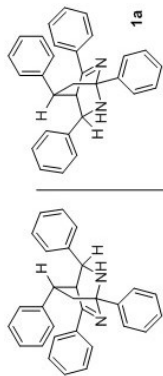
Current Data Parameters
NAME AK340
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20190313
Time 19:29
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 0
SWH 10330.578 Hz
FIDRES 0.15652 Hz
AQ 3.11719435 Sec
RG 14.2
DW 48.400 usec
DE 6.50 usec
TE 300.2 K
D1 2.00000000 Sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 6.70 usec
PL1 4.00 dB
PL1W 8.72000027 W
SFO1 500.2330891 MHz
F2 - Processing Parameters
SI 32768
SF 500.2300096 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



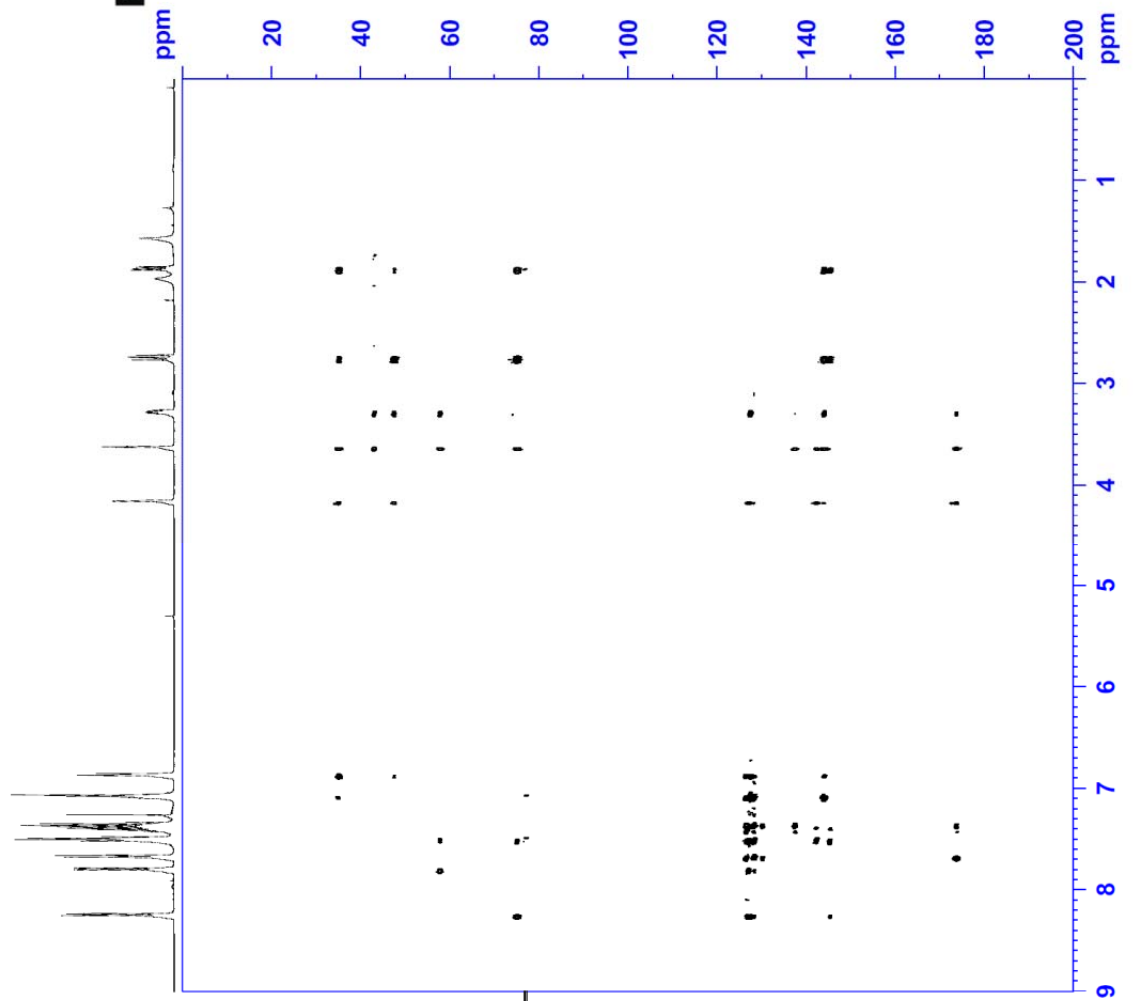
COSY
AK340



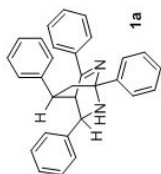
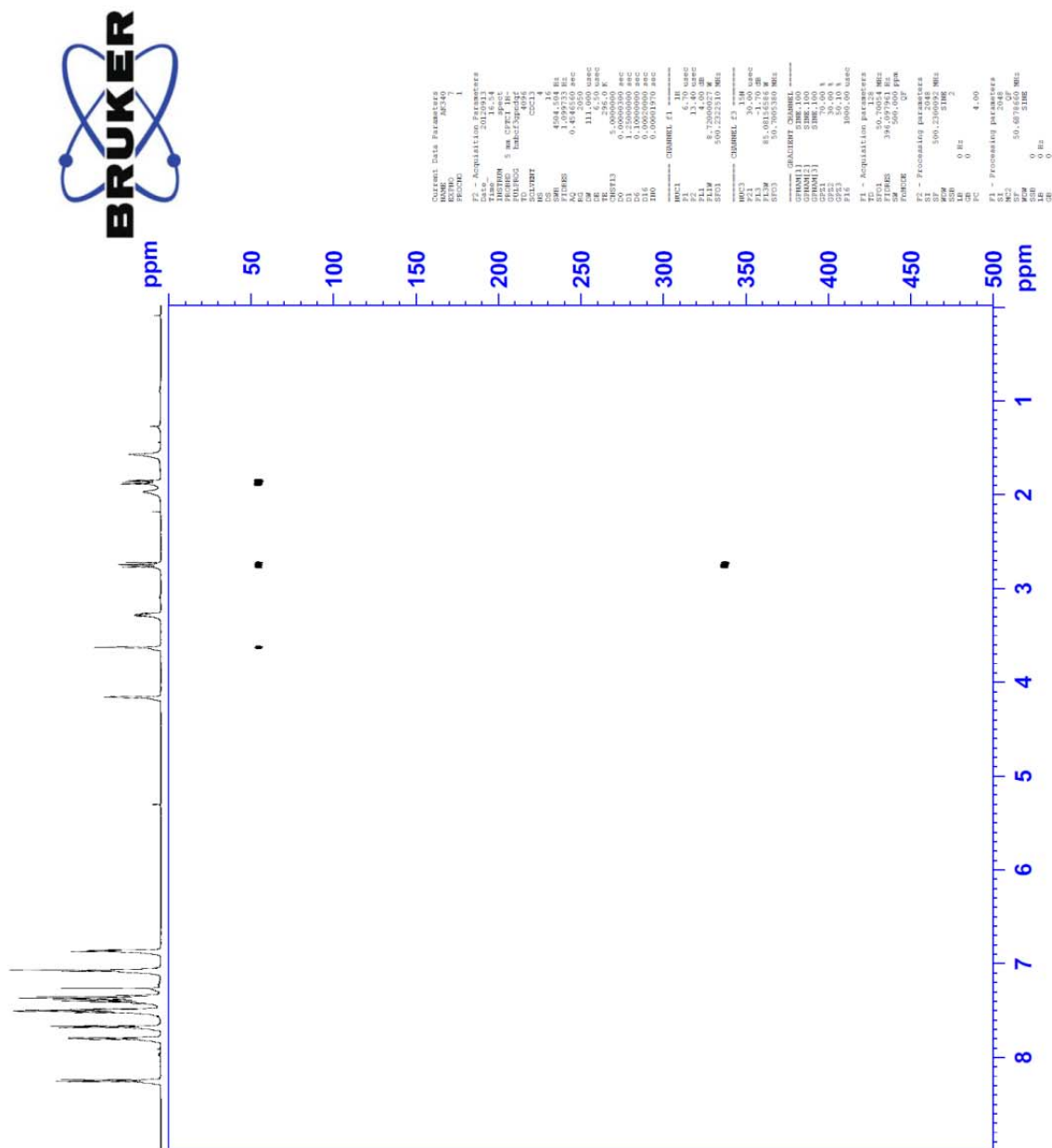
Current Data Parameters
NAME AK340
EXPNO 4
PROCNO 1
F2 - Acquisition Parameters
Time 200.00 sec
Date_ 16.10
INSTRUM spect
PROBHD 5 mm CRYO-1
PULPROG zgpg30
TD 65536
SOLVENT CDCl₃
NS 4
DS 4
SWH 4504.504 Hz
FIDRES 2.199465 Hz
AQ 0.227332 sec
RG 320
DM 111.000 usec
DE 6.00 usec
TE 300.2 K
T1 236.11 usec
D1 0.0000330 sec
D11 0.0000330 sec
D13 0.0000400 sec
D15 0.0000330 sec
D16 0.0002000 sec
D19 0.0002210 sec
CHN1 - CHANNEL f1
NUC1 1H
P1 6.70 usec
PL1 0.00 dB
PL2 0.00 dB
PL12 8.72000027 W
SFO1 500.2322510 MHz
===== GRADIENT CHANNEL =====
CHN2 - CHANNEL f2
P2 10.00 usec
PL2 0.00 dB
PL12 10.00 dB
===== CHANNEL f3 =====
F3 - Acquisition parameters
TD 65536
SFO3 500.128 MHz
FIDRES 2.199465 Hz
SFO1 500.2322510 MHz
SFO2 500.1361250 MHz
SFO3 500.1361250 MHz
===== CHANNEL f4 =====
F4 - Processing parameters
SI 32768
SF 500.230097 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0
PC 4.00
===== CHANNEL f5 =====
F5 - Processing parameters
SI 1024
SF 500.1361250 MHz
WDW EM
SSB 0
LB 0 Hz
GB 0



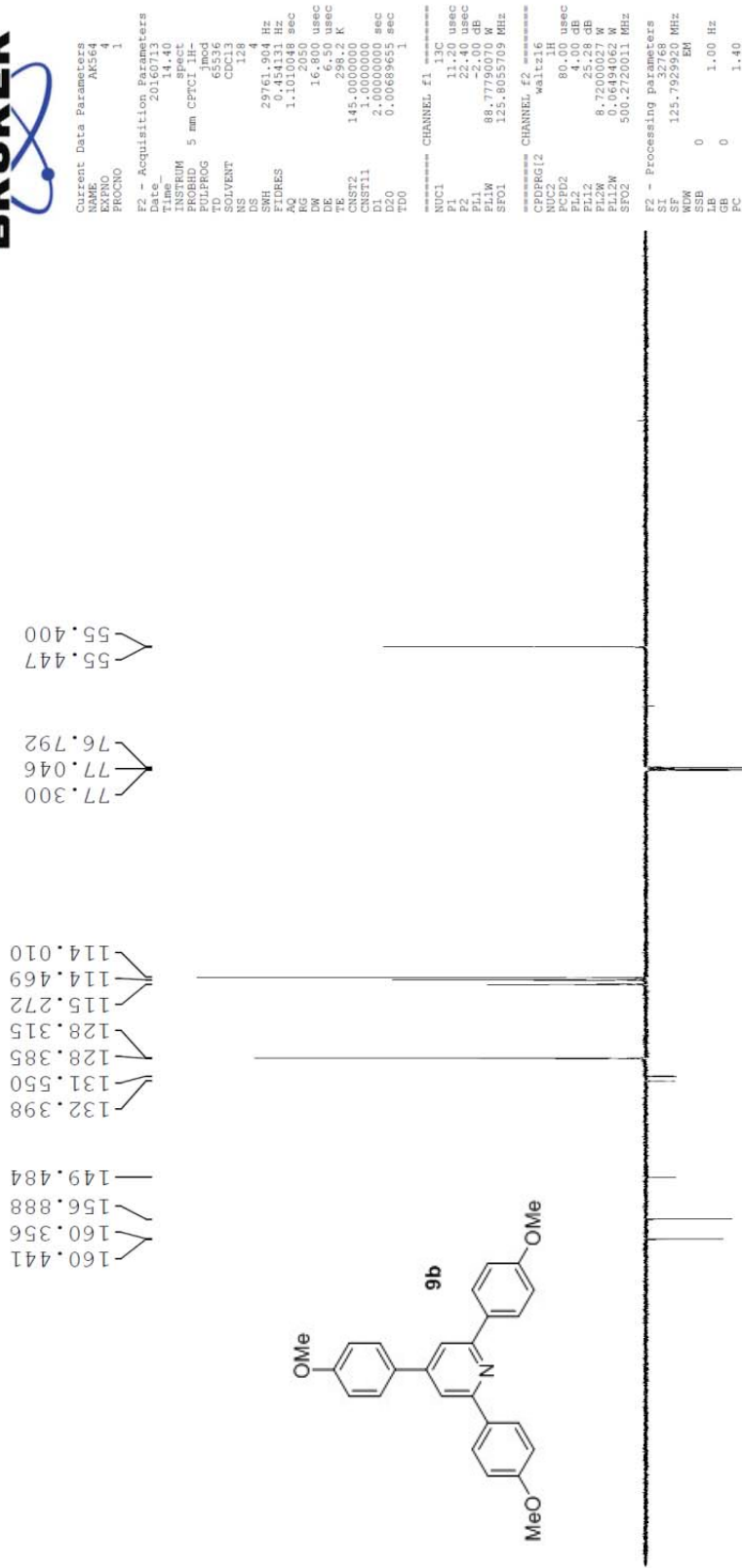
HMBC
AK340



NAME: Data Parameters
EXPNO: 4
PROCNO: 1
PROCNAME: ak340
Date_: 20120113
Time: 10.00
INSTRUM: spect
PROBHD: 5 mm cryo-1H/13
PULPROG: zgpg30
PCPDPRG2: fpg2
PCPDPRG3: fpg2
PCPDPRG4: fpg2
PCPDPRG5: fpg2
PCPDPRG6: fpg2
PCPDPRG7: fpg2
PCPDPRG8: fpg2
PCPDPRG9: fpg2
PCPDPRG10: fpg2
PCPDPRG11: fpg2
PCPDPRG12: fpg2
PCPDPRG13: fpg2
PCPDPRG14: fpg2
PCPDPRG15: fpg2
PCPDPRG16: fpg2
PCPDPRG17: fpg2
PCPDPRG18: fpg2
PCPDPRG19: fpg2
PCPDPRG20: fpg2
PCPDPRG21: fpg2
PCPDPRG22: fpg2
PCPDPRG23: fpg2
PCPDPRG24: fpg2
PCPDPRG25: fpg2
PCPDPRG26: fpg2
PCPDPRG27: fpg2
PCPDPRG28: fpg2
PCPDPRG29: fpg2
PCPDPRG30: fpg2
PCPDPRG31: fpg2
PCPDPRG32: fpg2
PCPDPRG33: fpg2
PCPDPRG34: fpg2
PCPDPRG35: fpg2
PCPDPRG36: fpg2
PCPDPRG37: fpg2
PCPDPRG38: fpg2
PCPDPRG39: fpg2
PCPDPRG40: fpg2
PCPDPRG41: fpg2
PCPDPRG42: fpg2
PCPDPRG43: fpg2
PCPDPRG44: fpg2
PCPDPRG45: fpg2
PCPDPRG46: fpg2
PCPDPRG47: fpg2
PCPDPRG48: fpg2
PCPDPRG49: fpg2
PCPDPRG50: fpg2
PCPDPRG51: fpg2
PCPDPRG52: fpg2
PCPDPRG53: fpg2
PCPDPRG54: fpg2
PCPDPRG55: fpg2
PCPDPRG56: fpg2
PCPDPRG57: fpg2
PCPDPRG58: fpg2
PCPDPRG59: fpg2
PCPDPRG60: fpg2
PCPDPRG61: fpg2
PCPDPRG62: fpg2
PCPDPRG63: fpg2
PCPDPRG64: fpg2
PCPDPRG65: fpg2
PCPDPRG66: fpg2
PCPDPRG67: fpg2
PCPDPRG68: fpg2
PCPDPRG69: fpg2
PCPDPRG70: fpg2
PCPDPRG71: fpg2
PCPDPRG72: fpg2
PCPDPRG73: fpg2
PCPDPRG74: fpg2
PCPDPRG75: fpg2
PCPDPRG76: fpg2
PCPDPRG77: fpg2
PCPDPRG78: fpg2
PCPDPRG79: fpg2
PCPDPRG80: fpg2
PCPDPRG81: fpg2
PCPDPRG82: fpg2
PCPDPRG83: fpg2
PCPDPRG84: fpg2
PCPDPRG85: fpg2
PCPDPRG86: fpg2
PCPDPRG87: fpg2
PCPDPRG88: fpg2
PCPDPRG89: fpg2
PCPDPRG90: fpg2
PCPDPRG91: fpg2
PCPDPRG92: fpg2
PCPDPRG93: fpg2
PCPDPRG94: fpg2
PCPDPRG95: fpg2
PCPDPRG96: fpg2
PCPDPRG97: fpg2
PCPDPRG98: fpg2
PCPDPRG99: fpg2
PCPDPRG100: fpg2

HMBC 15N
AK340

group OC

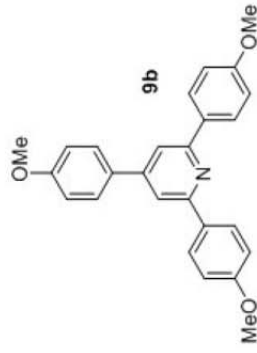




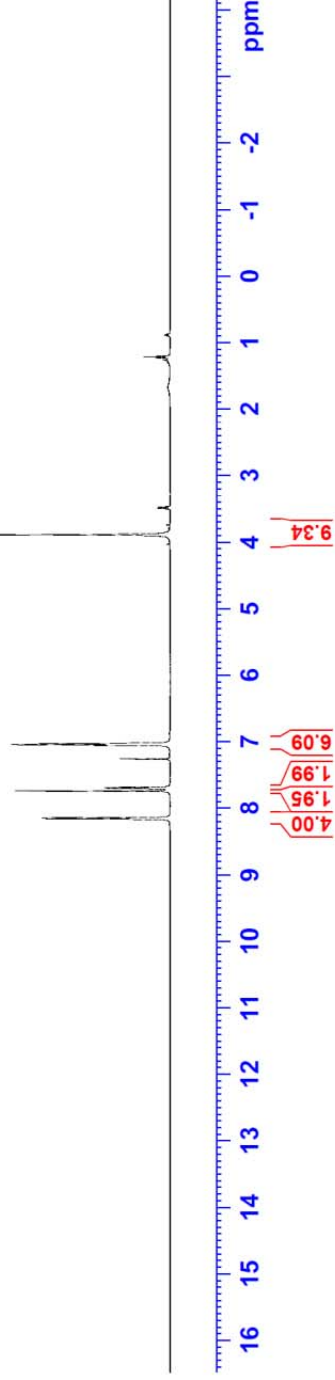
group OC

8.160
8.143
7.740
7.702
7.685
7.053
7.041
7.024

3.886



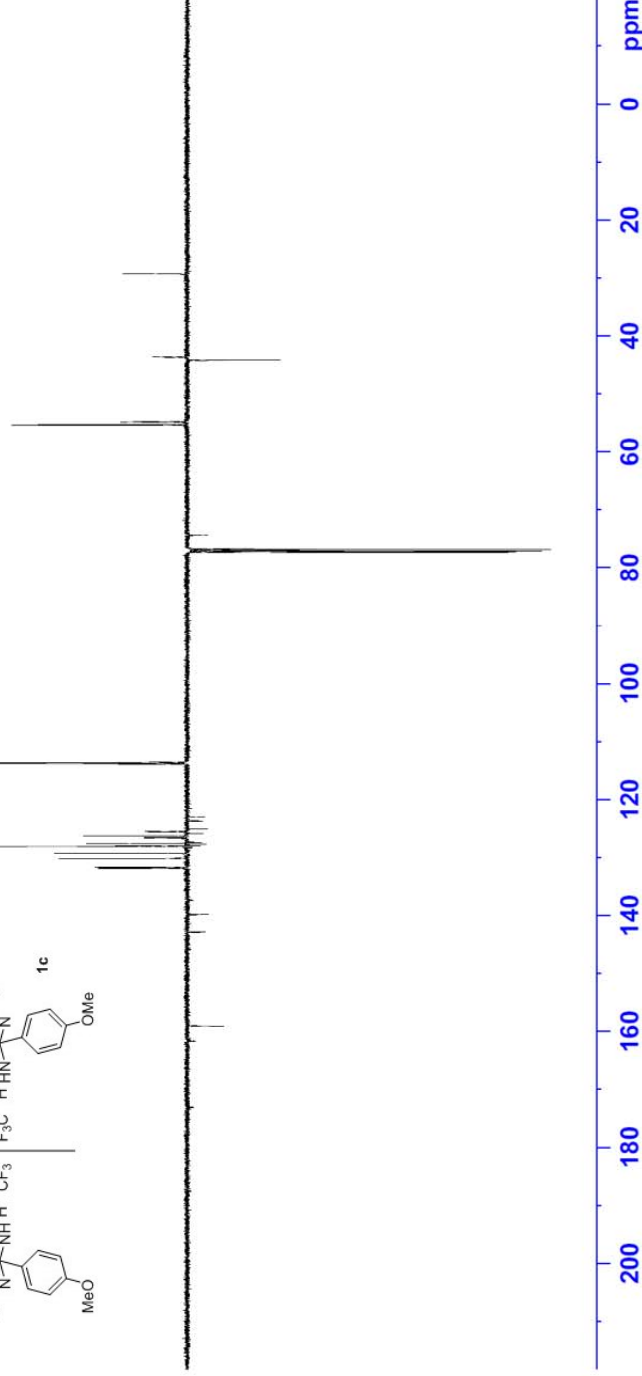
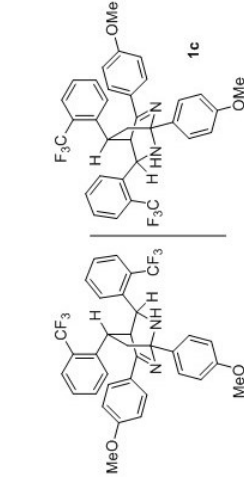
Current Data Parameters
NAME AF56
EXPNO 3
PROCNO 1
F2 - Acquisition Parameters
Date_ 20100115
Time 11.33
INSTRUM spect
PROBHD 5 mm CPTCL 1H-
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 10330.578 Hz
FIDRES 0.1725 Hz
AQ 3.1119425 sec
RG 16
DW 48.400 usec
DE 6.50 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1
===== CHANNEL F1 =====
NUC1 1H
P1 6.70 usec
PL1 4.00 dB
PL1W 8.72000027 W
SFO1 500.2730894 MHz
F2 - Processing parameters
SI 32768
SF 500.2700093 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





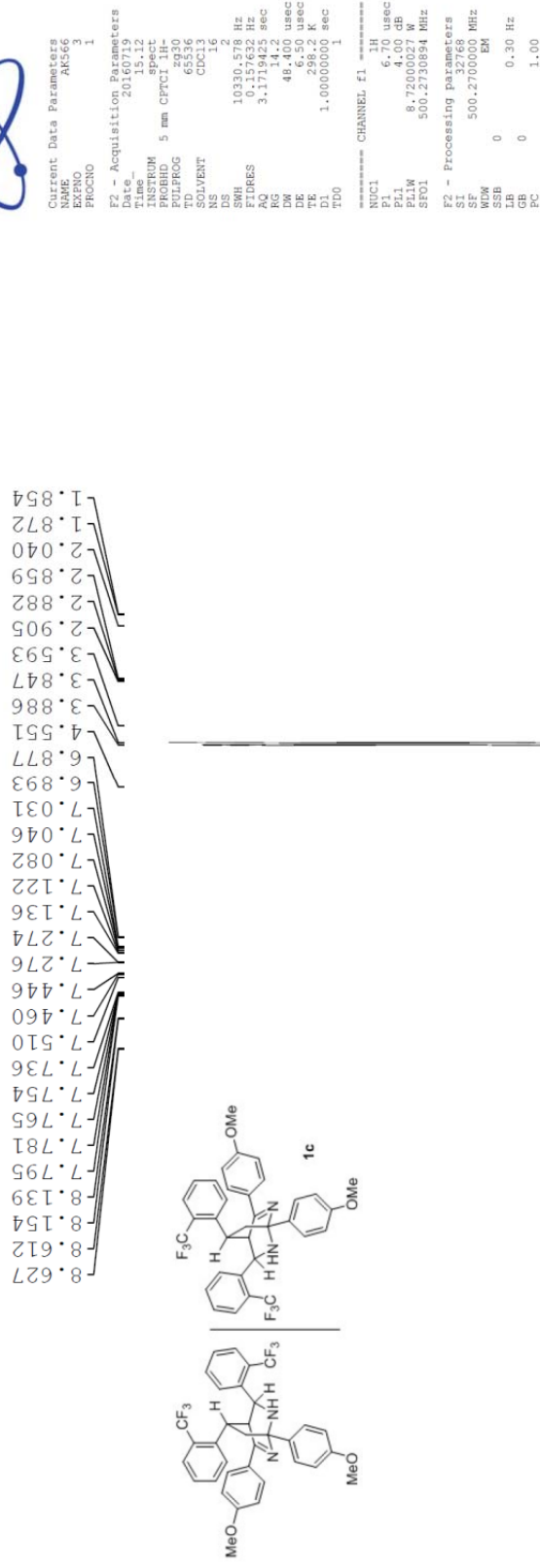
group OC

173.060
161.659
159.027
142.837
139.810
137.350
131.817
131.671
130.129
129.279
128.016
127.913
127.703
127.513
127.463
127.272
126.571
126.524
126.475
126.223
125.855
125.545
125.498
125.451
125.091
123.675
122.912
113.804
113.568
77.288
77.034
76.780
74.362
55.349
55.310
54.827
54.159
44.159
43.623
29.290



Current Data Parameters
NAME AK566
EXPNO 4
PROCNO 1
F2 - Acquisition Parameters
Date_ 20160719
Time 15:26
INSTRUM spect
PROBHD 5 mm CPTCI 1H-
PULPROG jmod
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 29761.904 Hz
FIDRES 0.45413 Hz
AQ 1.107008 sec
RG 2050
DW 16.800 usec
DE 6.50 usec
TE 298.2 K
CNST1 145.000000
CNST2 1.000000
CNST11 2.00000000 sec
D1 2.00000000 sec
D20 0.0068655 sec
TD0 1
===== CHANNEL f1 =====
NUC1 13C
P1 11.20 usec
F2 22.40 usec
PL1 0.00 dB
PL12 88.77750070 dB
PL1W 0.00000000 M
SFO1 125.8055709 MHz
===== CHANNEL f2 =====
CPCPRG12 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 4.00 dB
PL12 25.25 dB
PL1W 8.72000000 M
PL12W 0.06494062 M
SFO2 500.2720011 MHz
F2 - Processing Parameters
SF 125.7925920 MHz
WDW EM
SSB 0
GB 0
PC 1.40

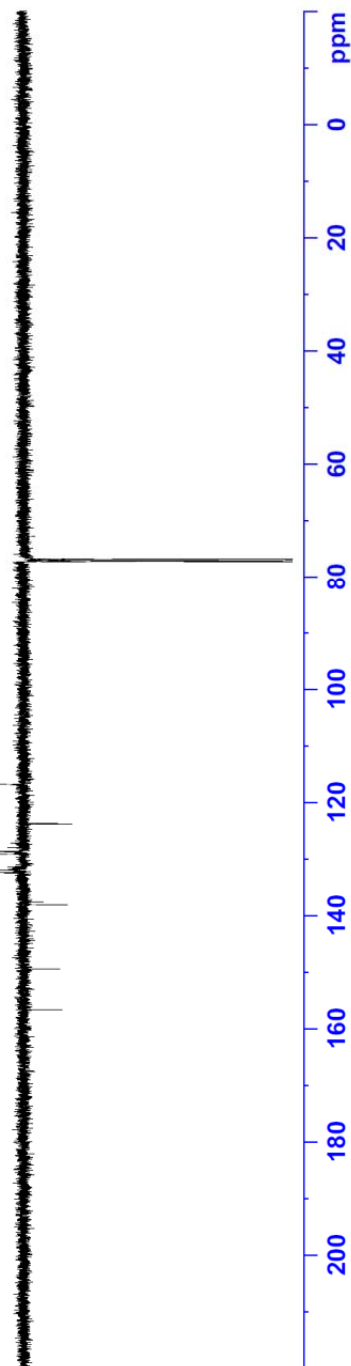
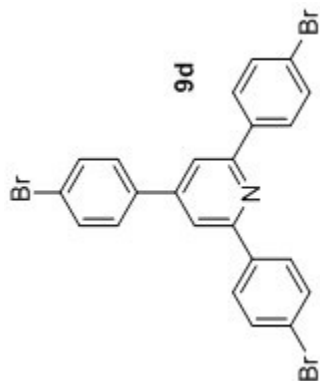
group OC





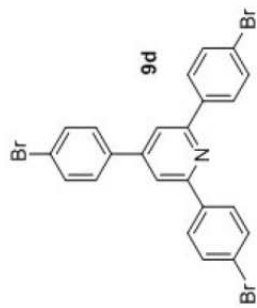
Current Data Parameters
NAME AK572
EXPNO 3
PROCNO 1
F2 - Acquisition Parameters
Date_ 20170316
Time 13:51
Time_R 13:51
PULPROG zgpg30
PROBHD Z117768_067-1
PULPROG _jmod
TD 65536
SOLVENT CDCl3
NS 64
DS 4
SHH 36231.883 Hz
FIDRES 0.552855 Hz
AQ 0.552855 sec
RG 199.43
DW 13.800 usec
DE 18.00 usec
TE 298.0 K
CSTP2 145.0000000
CSTP1 1.0000000
D1 2.00000000 sec
D2 0.00689655 sec
SFO1 150.9178982 MHz
SFO2 150.9178982 MHz
NUC1 13C
P1 12.00 usec
P2 98.2354000 usec
P3 24.00 usec
SFO3 600.1324002 MHz
NUC2 1H
CFOPRG12 waltz16
PCPDZ 80.00 usec
PCPDZ 6.7610000 W
PCPDZ 0.0669918 W
F2 - Processing parameters
SI 32768
SF 150.9028000 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
FC 1.40

156.663
149.441
138.027
137.573
132.399
131.943
128.732
128.655
123.830
123.702
116.798
77.225
77.014
76.802

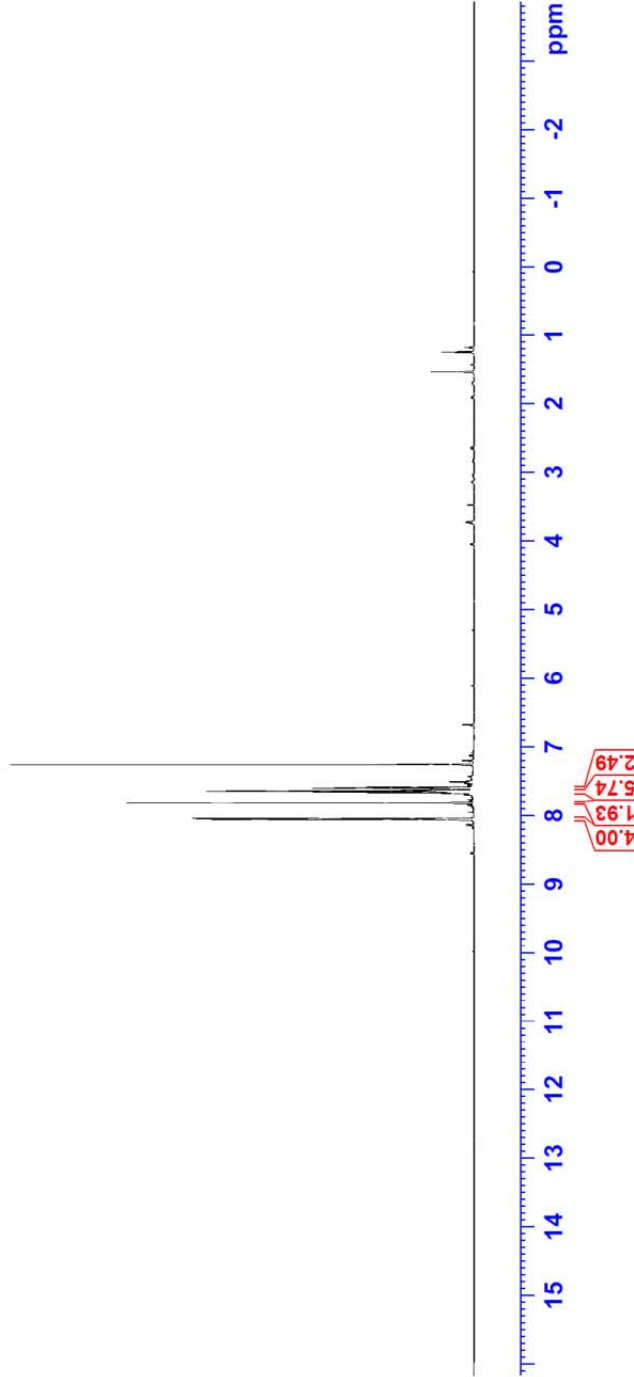




8.060
8.046
7.817
7.676
7.662
7.652
7.638
7.610
7.602
7.588
7.260



Current Data Parameters
NAME 2
EXPNO 2
PROCNO 1
F2 - Acquisition Parameters
Date_ 20100316
Time 13:49 h
INSTRUM spect
PROBHD z117768_0067 (2930
PULPROG zgpg30
SOLVENT CDCl3
NS 16
DS 2
SWH 12019.230 Hz
FIDRES 0.195356 Hz
RG 31.69 sec
AQ 2.7262976 sec
RG 31.69 sec
DM 41.600 usec
DE 18.00 usec
TE 300.2 K
D1 1.00000000 sec
TD0 1
SFO1 600.1337058 MHz
NUC1 1H
P1 8.00 usec
PL1 6.76100016 W
F2 - Processing parameters
SI 65536
SF 600.1337058 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





— 42.588

— 27.004

Current Data Parameters
NAME AM572
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20170316
Time_ 10.27
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT None
NS 64
DS 4
SWH 64935.066 Hz
FIDRES 0.99830 Hz
AQ 0.500000 sec
RG 32600
DW 7.700 usec
DE 6.00 usec
TE 293.0 K
D1 2.000000 sec
d11 0.0300000 sec
DELTA 1.8999998 sec
TD0 1

===== CHANNEL f1 =====
NUC1 31P
P1 6.25 usec
PL1 -1.00 dB
SFO1 161.9674942 MHz

===== CHANNEL f2 =====
CPDPRG12 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 0.00 dB
PL12 18.00 dB
PL13 18.00 dB
SFO2 400.1316005 MHz

F2 - Processing Parameters
SI 65536
SF 161.9755930 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

