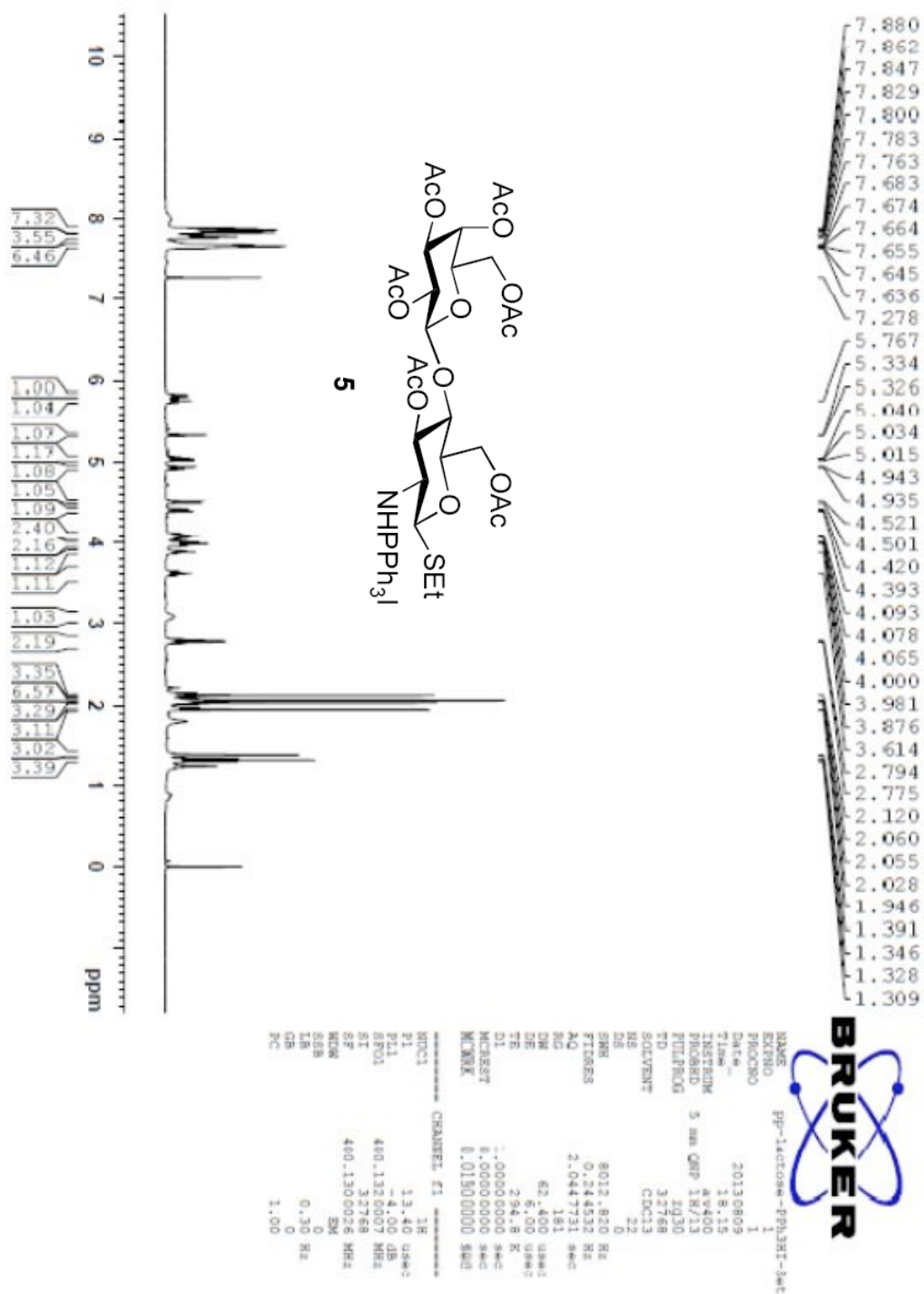
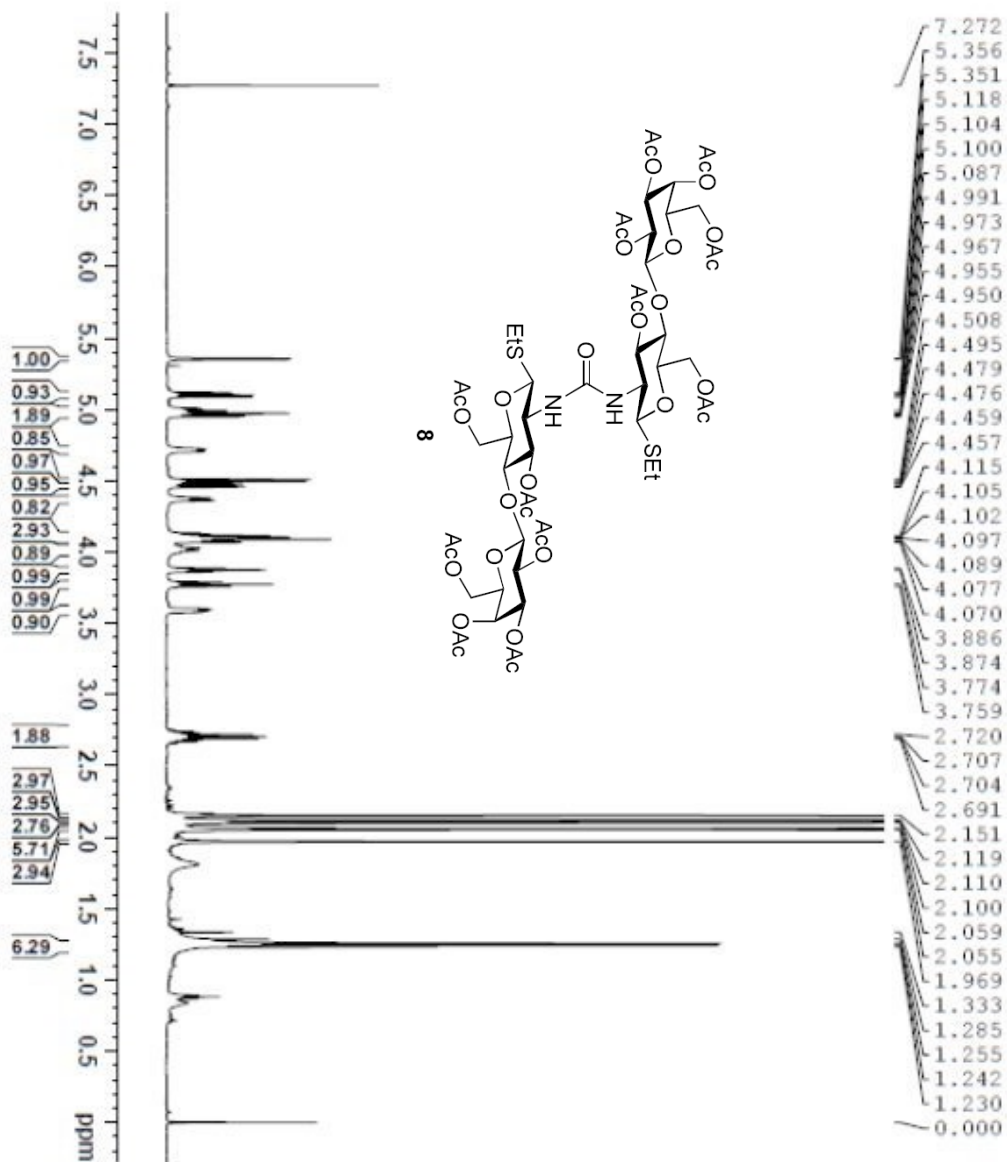


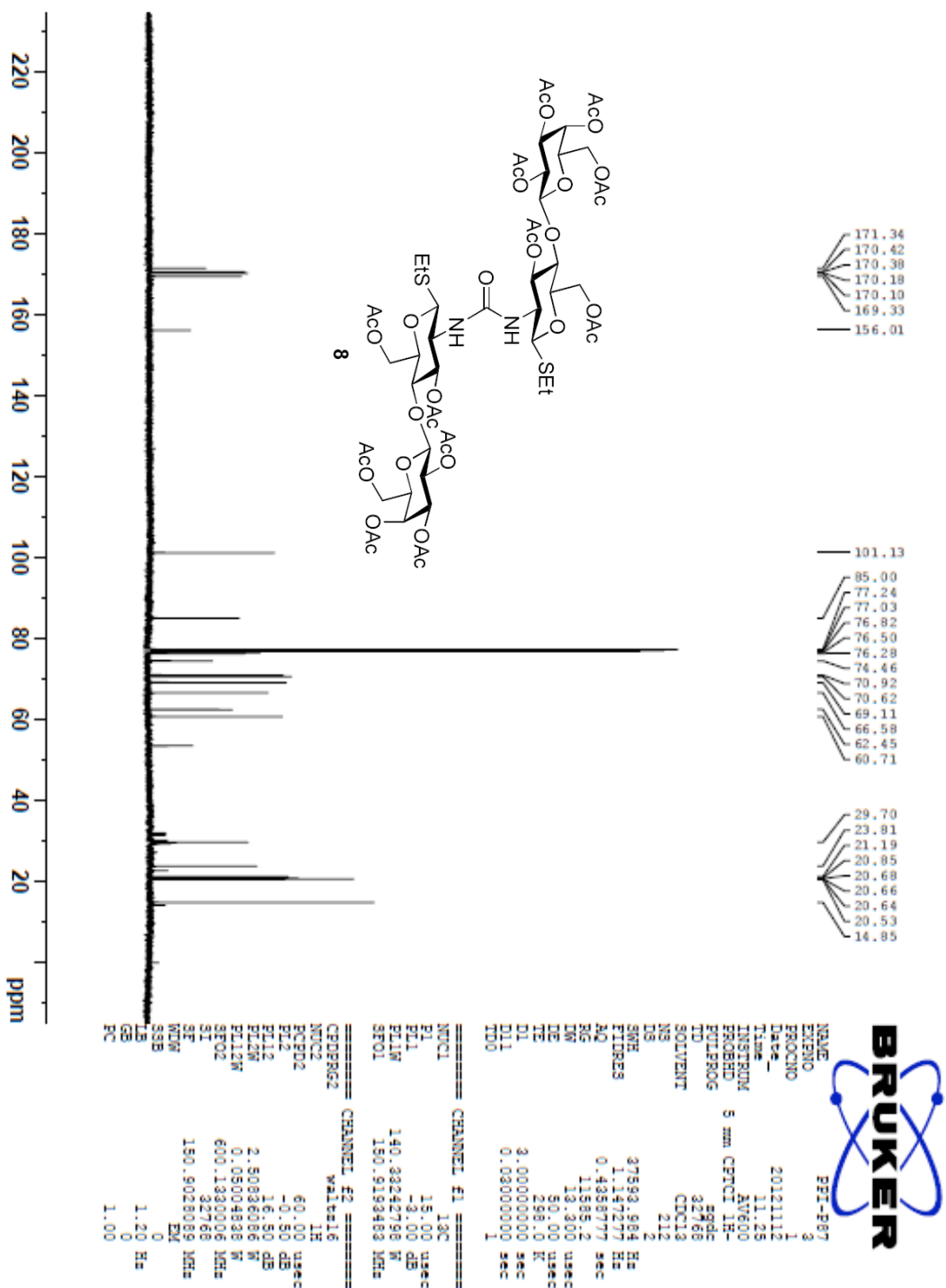


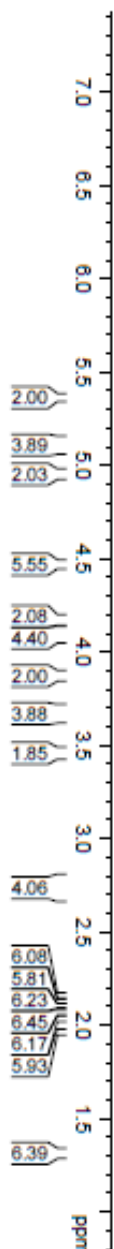
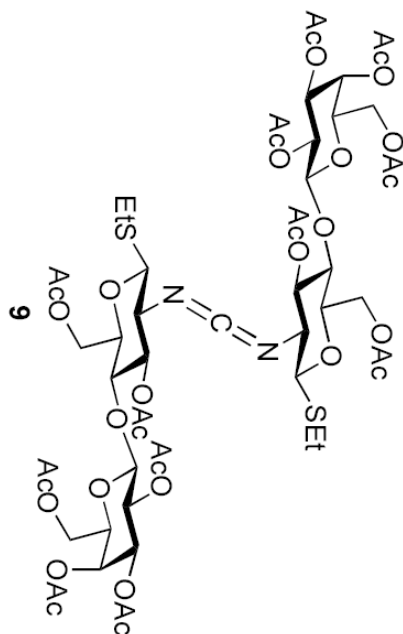
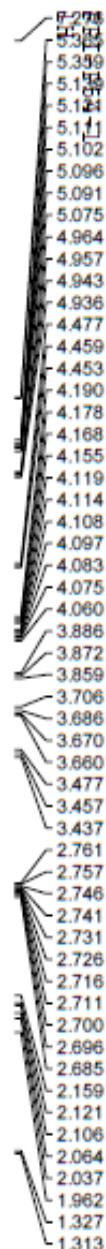


BRUKER

NAME: PR-100
 EXNO: 1
 PROCNO: 1
 Date: 20121111
 Time: 11:11
 INSTRUM: AV400
 PROBRD: 5 mm CECI 4H-
 PULPROG: zgpg30
 ID: 9278
 SOLVENT: CDCl3
 NS: 1
 DS: 1
 SWH: 8921.806 Hz
 FIDRES: 0.237498 Hz
 AQ: 1.0220003 sec
 RG: 16
 DW: 55.600 usec
 DE: 10.00 usec
 TE: 29.79 usec
 D1: 5.0000000 sec
 D10: 1

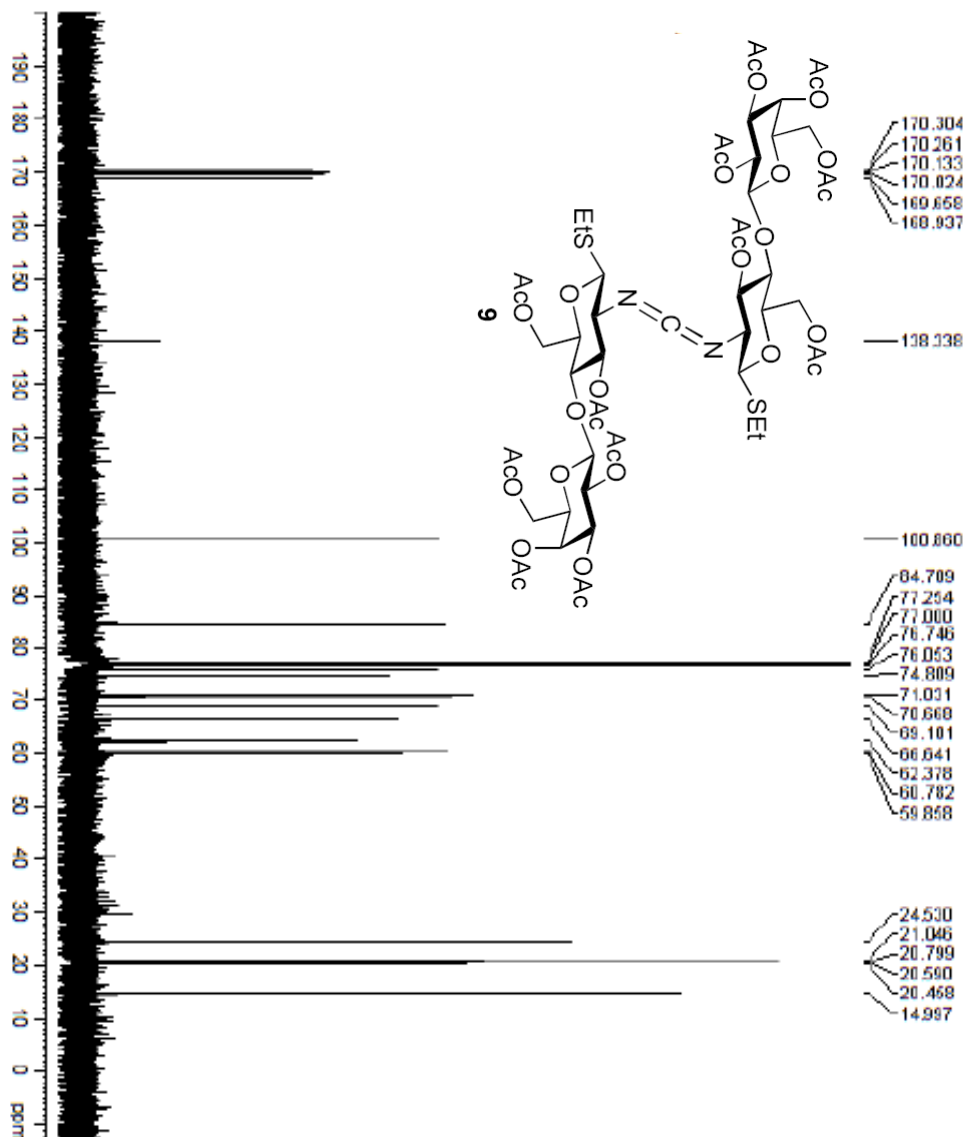
===== CHANNEL f1 =====
 NUCL: 1H
 P1: 9.00 usec
 PL1: -0.50 dB
 PL1W: 2.5063606 W
 SFO1: 600.1300006 MHz
 SI: 32768
 SF: 600.1300003 MHz
 INTG: 0 EX
 SSB: 0
 TB: 0.30 Hz
 CB: 1.00





NAME PPT-554-1
 EXPNO 1
 PROCNO 1
 Date_ 20121018
 Time 10.12
 INSTRUM EBO
 PROBRD EBO
 PULPROG zgpg30
 TD 32768
 FIDRES 0.228428 Hz
 AQ 2.188524 sec
 RG 143.7
 DN 66.800 usec
 DE 6.00 usec
 TE 300.2 K
 IE 1.00000000 sec
 DI 0.00000000 sec
 MCREST 0.00000000 sec
 MCWPR 0.01500000 sec

===== CHANNEL f1 =====
 NUCL 1H
 P1 12.00 usec
 PL1 -6.00 dB
 SFO1 500.1325007 MHz
 SI 32768
 SF 500.1300054 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

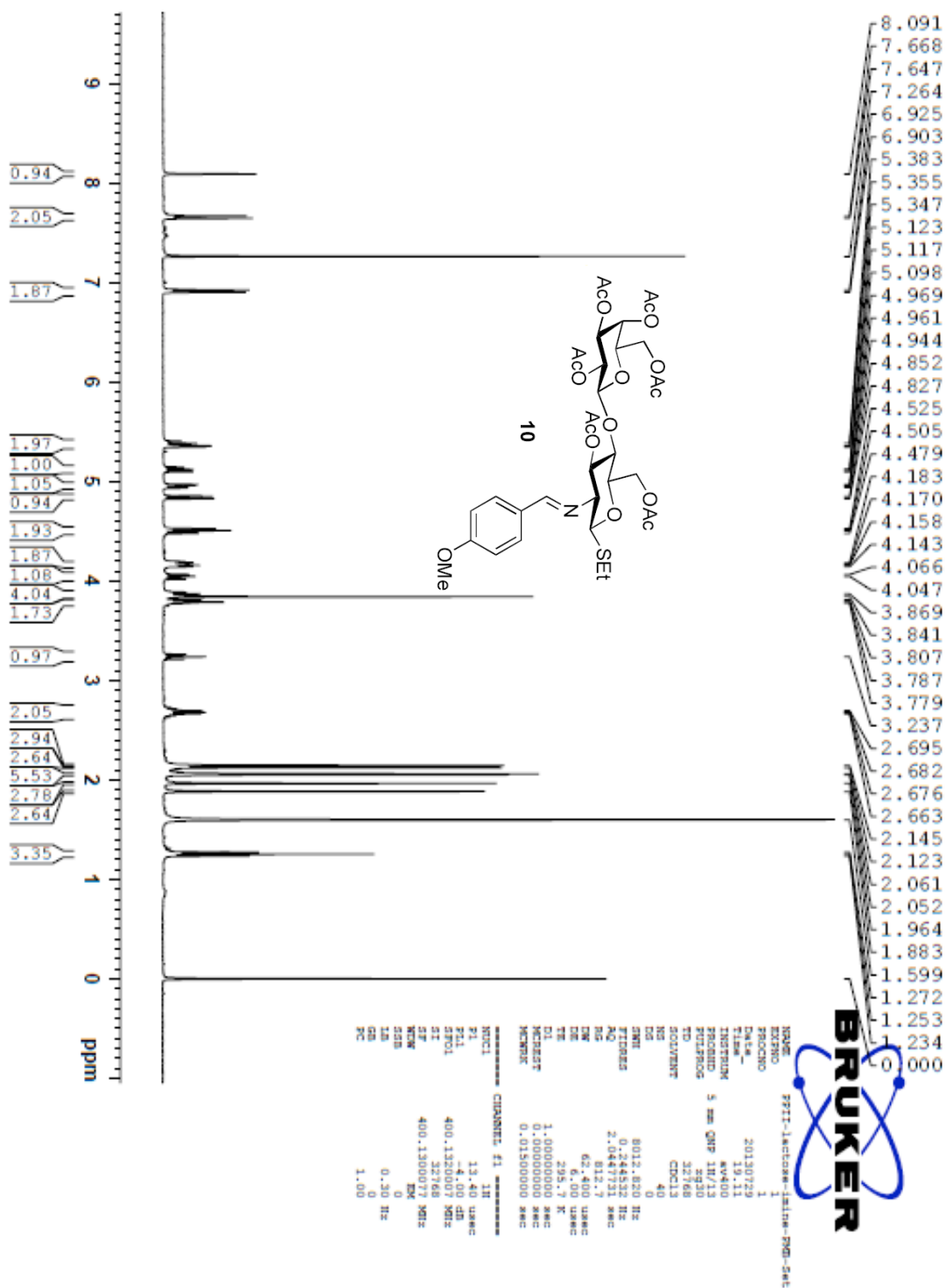


NAME PPT-594-1
EXPNO 3
PROCNO 1
Date_ 20121018
Time_ 10.19
INSTRUM spect
PROBHD EBO 5mm 29149/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 121
DS 1
SWH 31446.541 Hz
FIDRES 0.969672 Hz
AQ 0.5210612 sec
RG 7298.2
DM 15.900 usec
DE 6.00 usec
TE 300.8 K
D1 3.00000000 sec
d11 0.03000000 sec
MCREST 0.00000000 sec
MCWPR 0.01500000 sec

===== CHANNEL #1 =====
NUC1 13C
P1 11.00 usec
PL -2.00 dB
SFO1 125.771572 MHz

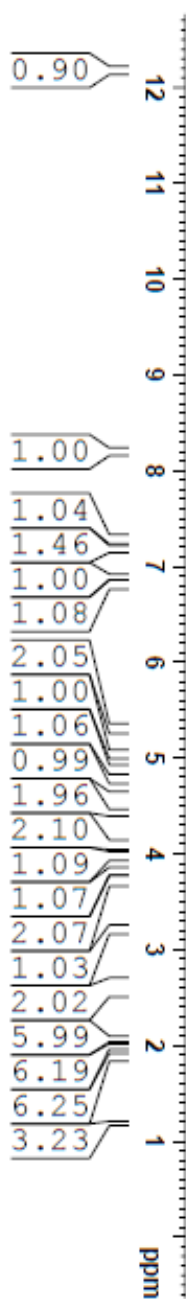
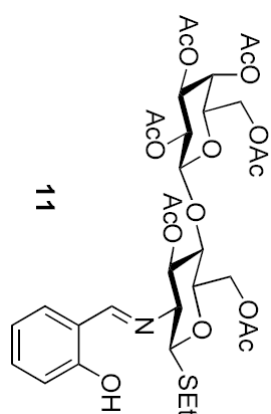
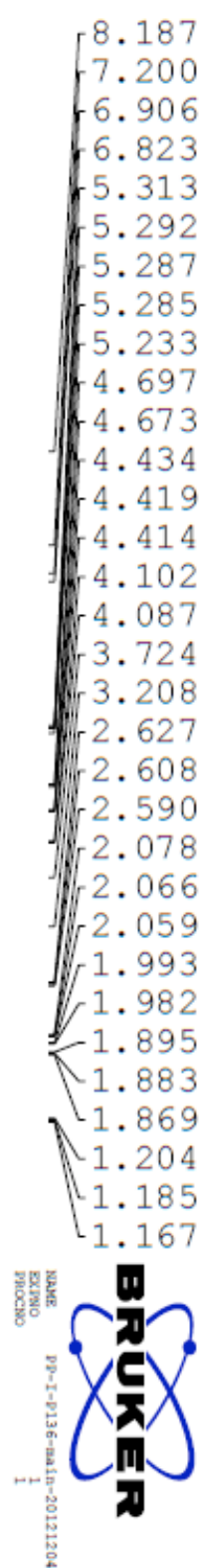
===== CHANNEL #2 =====
CPOBPG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 -6.00 dB
PL12 14.00 dB
SFO2 500.1312000 MHz
SI 32768
SF 125.7577926 MHz
WDW EM
SSB 0
LB 0.70 Hz
GB 0
PC 1.00



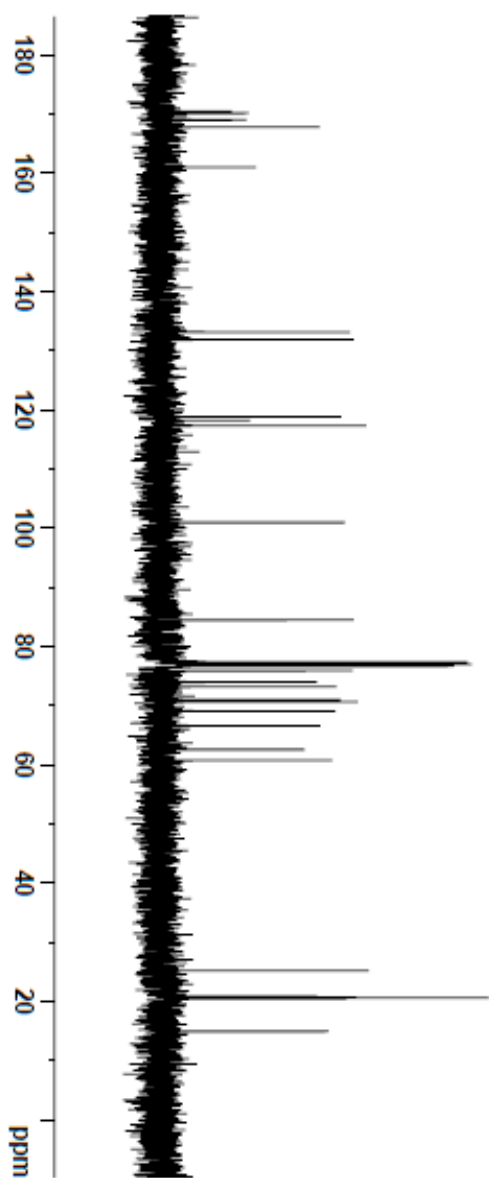
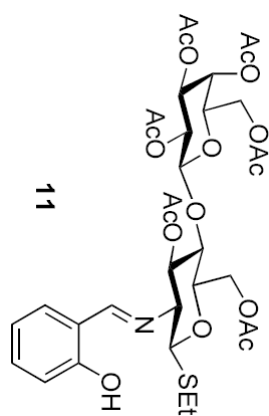


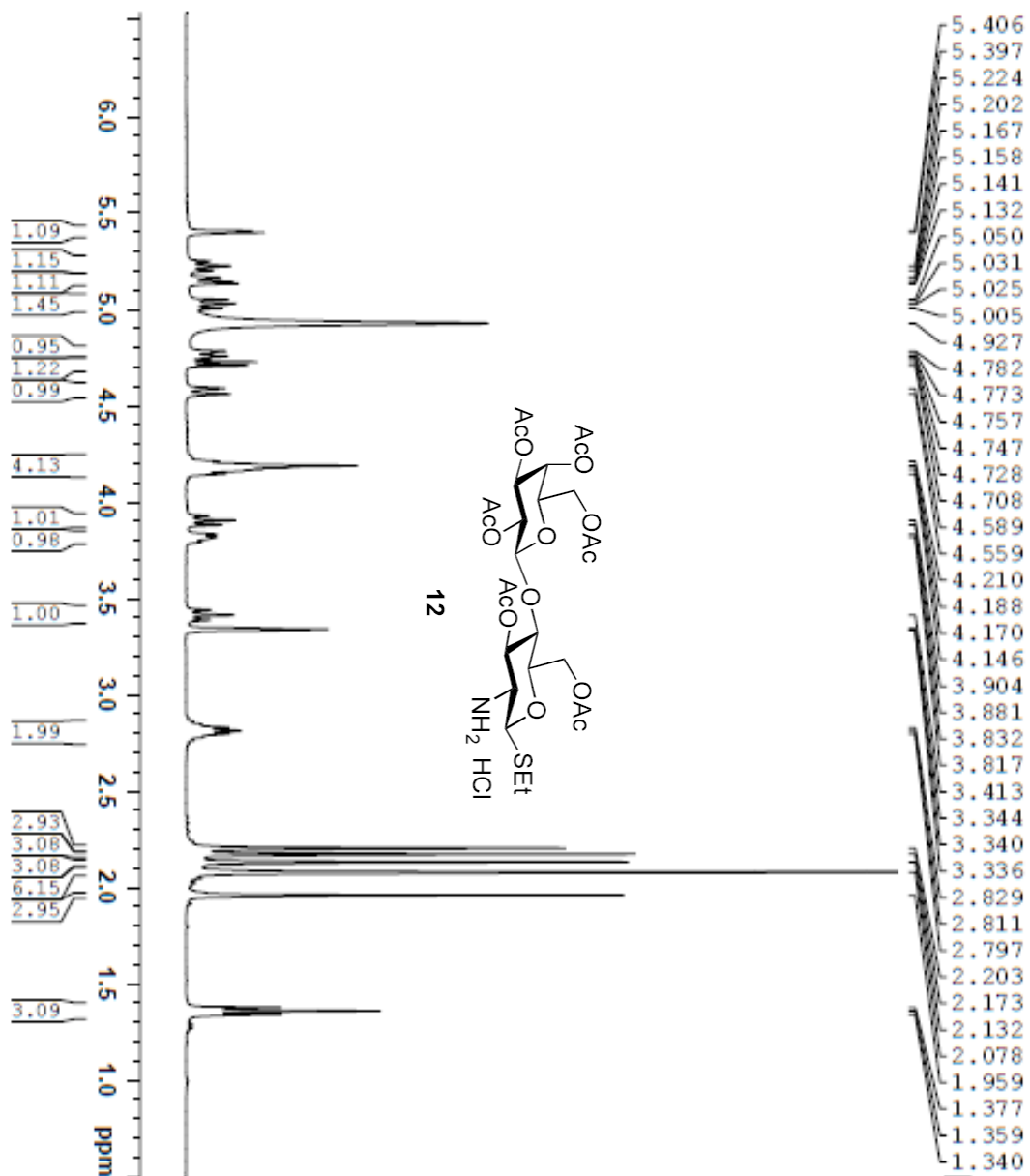


S37



170.368
 170.295
 170.152
 170.068
 169.016
 168.943
 167.773
 160.965
 133.115
 131.860
 118.818
 118.208
 117.315
 100.941
 84.461
 77.320
 77.002
 76.914
 76.685
 75.897
 73.979
 73.202
 70.982
 70.653
 69.076
 66.573
 62.577
 60.757
 25.216
 20.845
 20.679
 20.626
 20.588
 20.483
 14.932

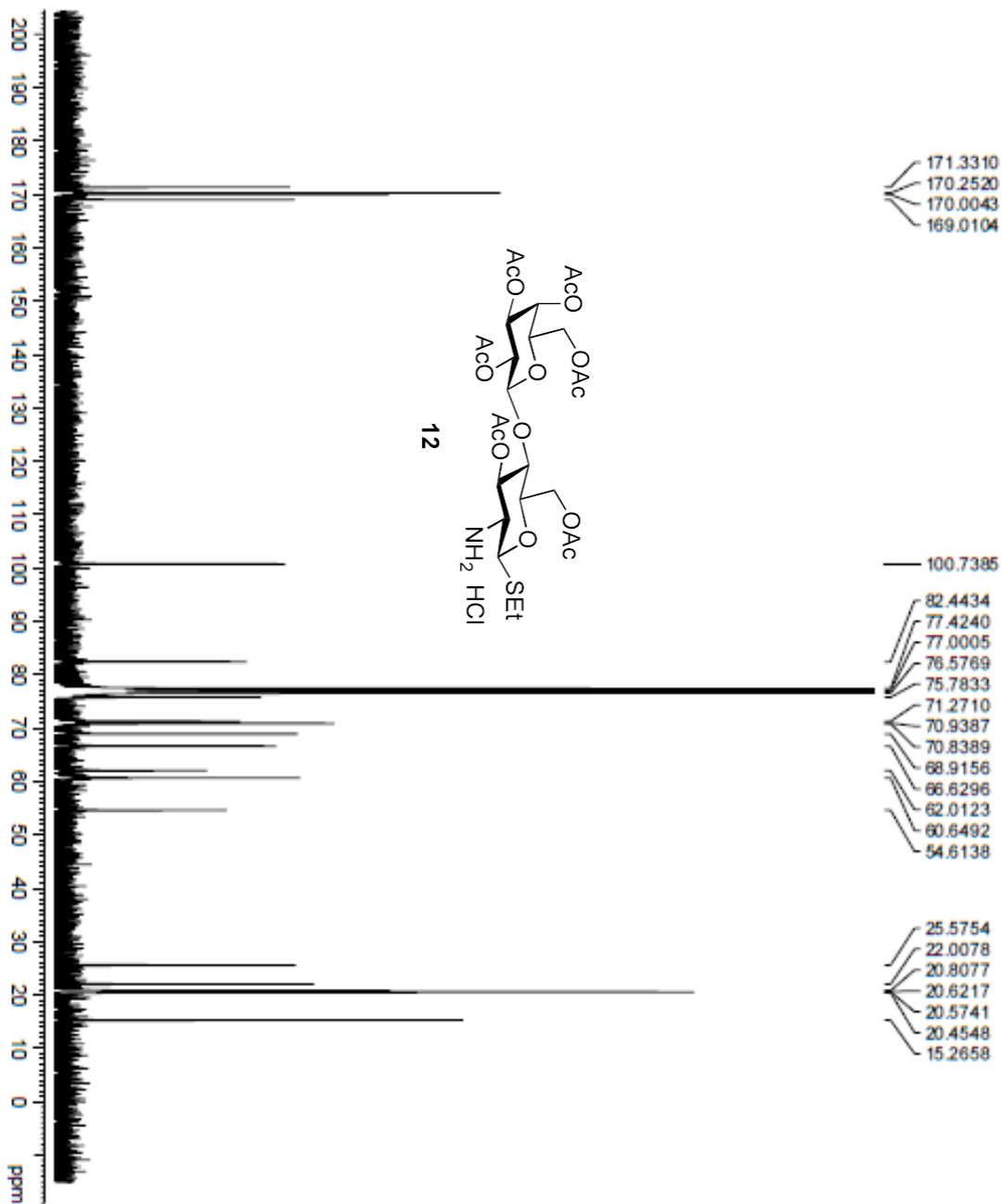




BRUKER

NAME: P11-lactosamine-salt-nh3
EXPNO: 1
PROCNO: 1
Date_: 20130814
Time: 8.55
INSTRUM: av400
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 32768
SOLVENT: DMSO
NS: 46
DS: 0
SWH: 8012.820 Hz
FIDRES: 0.244532 Hz
AQ: 2.0447731 sec
RG: 128
CF: 62.400 usec
DE: 6.00 usec
TE: 294.2 K
D1: 1.00000000 sec
MCREST: 0.00000000 sec
MCMRK: 0.01500000 sec

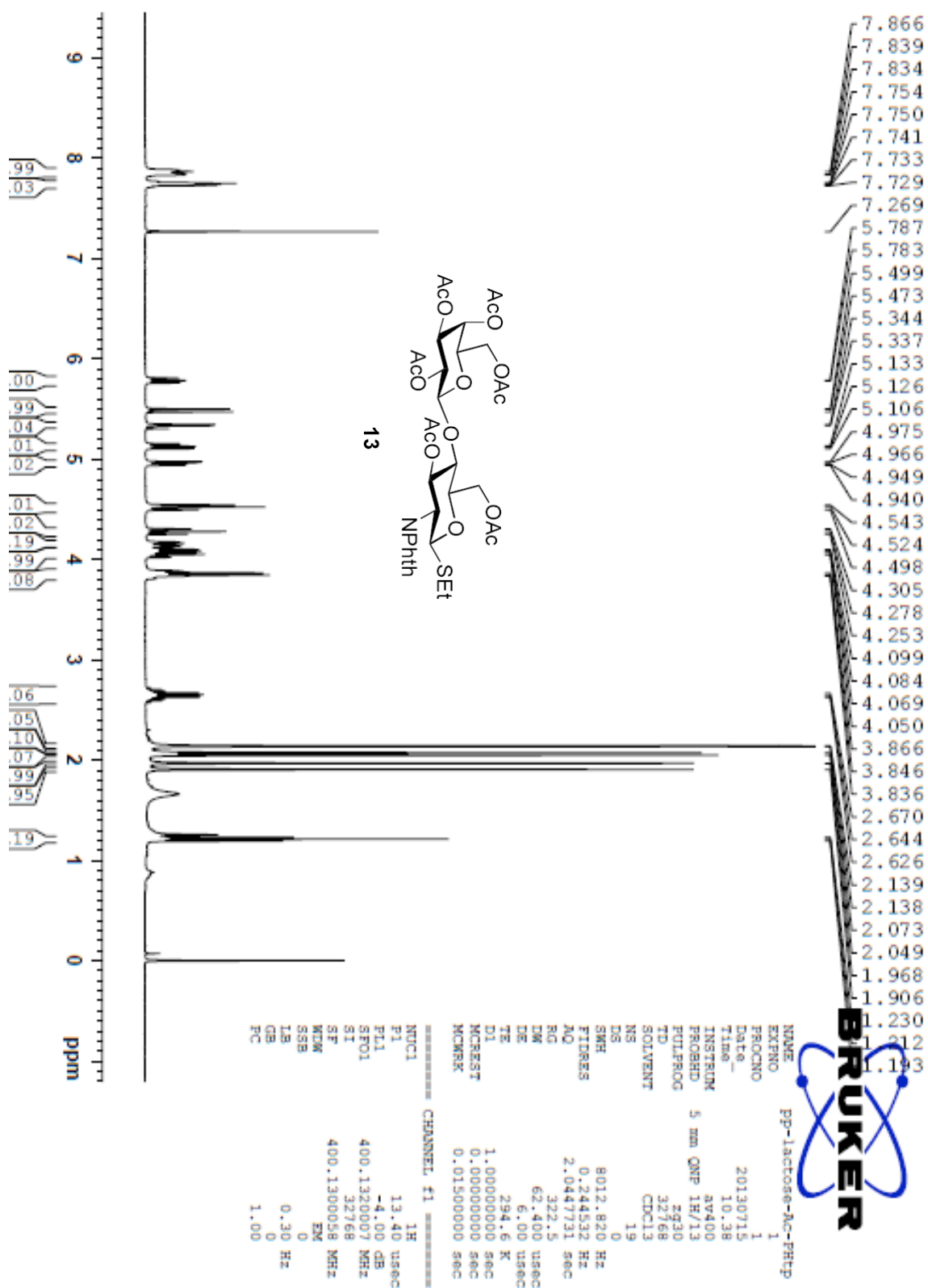
===== CHANNEL f1 =====
NUC1: 13C
P1: 13.40 usec
PL1: -4.00 dB
SFO1: 400.1320007 MHz
SI: 32768
SE: 400.1299956 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00

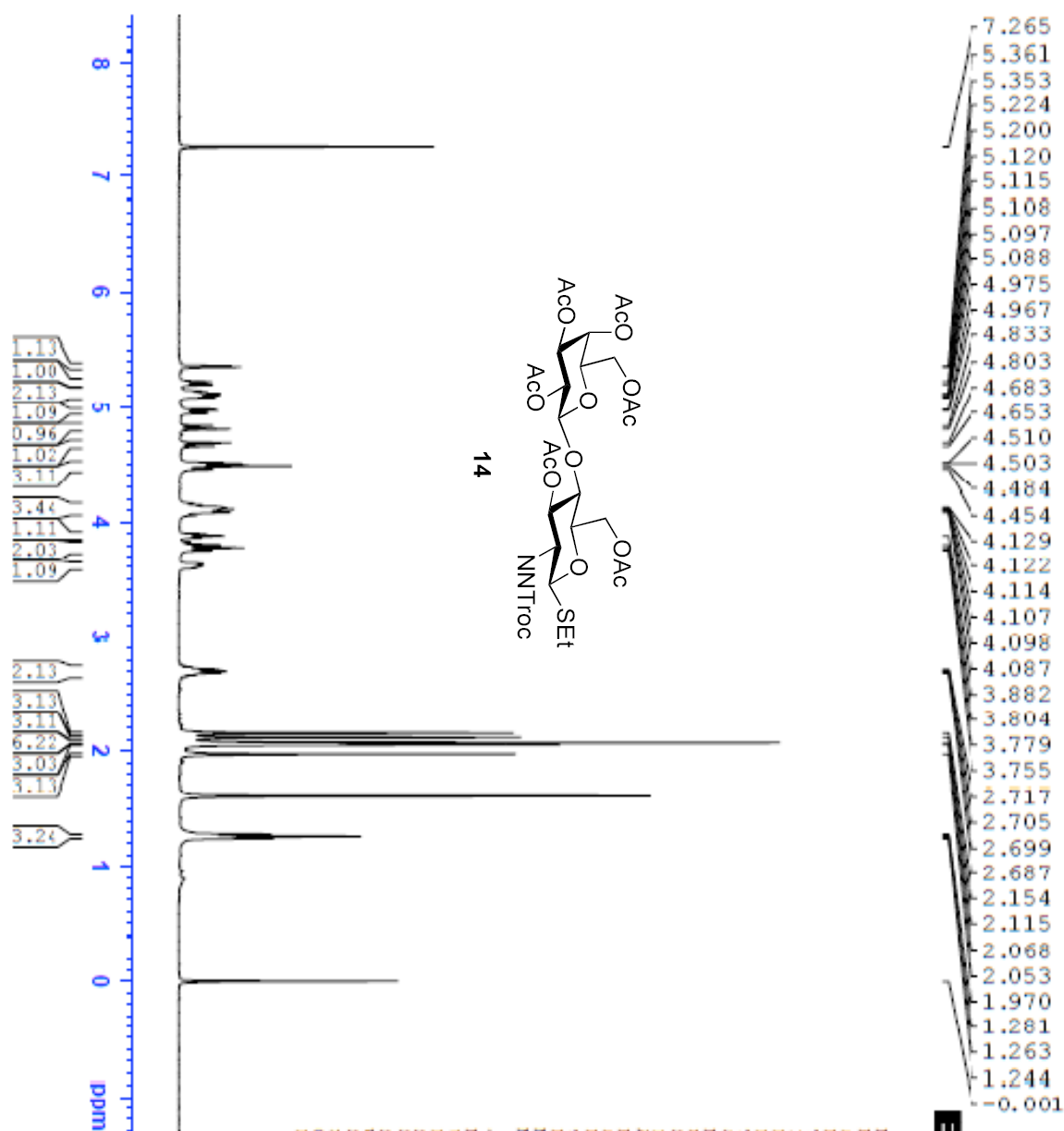


NAME PPI-lactose-NH3-2-13C
 EXPNO 1
 PROCNO 1
 Date_ 20130726
 Time_ 0.02
 INSTRUM spect
 PROBRD DUAL 5mm 25934
 PULPROG zgpg30
 TD 32768
 SOLVENT CDCl3
 NS 1000
 DS 1
 SMH 16556.291 Hz
 FIDRES 0.505358 Hz
 AQ 0.9896436 sec
 RG 11585.2
 DW 30.200 usec
 DE 6.00 usec
 TE 0.0 K
 D1 2.50000000 sec
 d11 0.03000000 sec

===== CHANNEL f1 =====
 NUC1 13C
 P1 5.80 usec
 PL1 -6.00 dB
 SFO1 75.474884 MHz

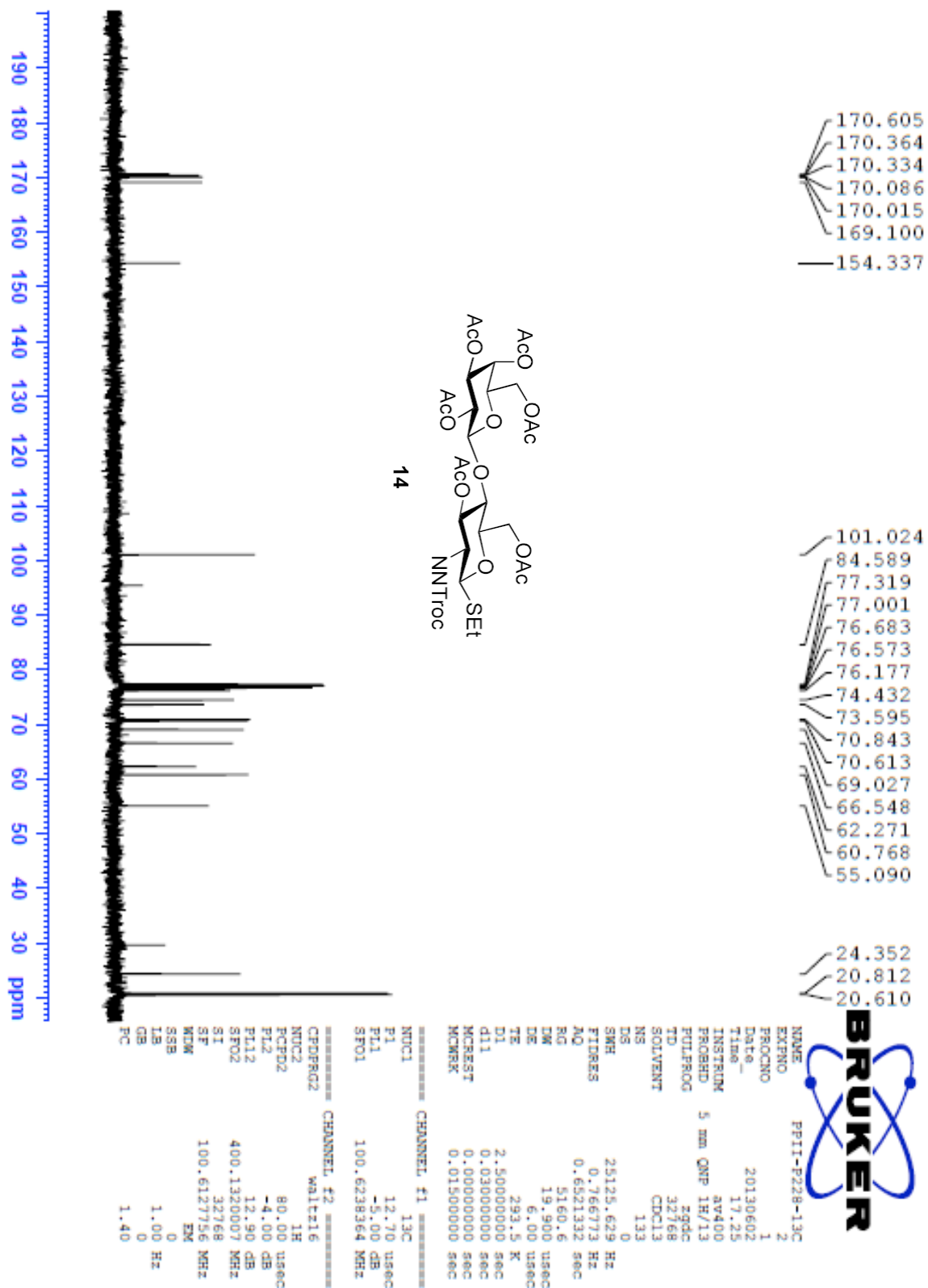
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 100.00 usec
 PL2 120.00 dB
 PL12 18.00 dB
 SFO2 300.1312005 MHz
 SI 32768
 SE 75.4677524 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

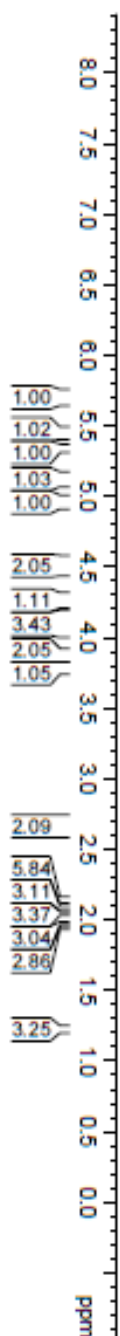
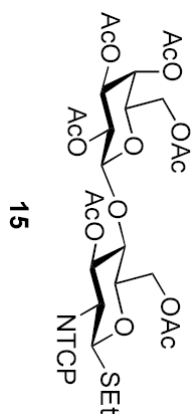
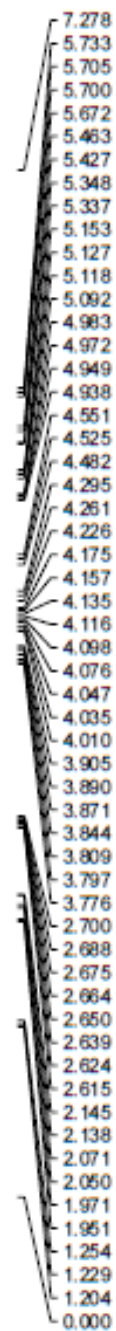




NAME: FPII-P228-20130709
 EXPNO: 1
 PROCNO: 1
 Date_ Time: 20130709 13.36
 INSTEAD: 37400
 PROBE: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 100
 DS: 0
 SWH: 8012.820 Hz
 FIDRES: 0.241532 Hz
 AQ: 2.044731 sec
 RG: 574.7
 LW: 62.400 usec
 DE: 5.00 usec
 TE: 304.2 K
 D1: 1.00000000 sec
 MCREST: 0.00000000 sec
 MCMRR: 0.01500000 sec

CHOSSETL: F1
 NUC1: 1H
 P1: 13.40 usec
 PL1: -1.00 dB
 SFO1: 400.132007 MHz
 SI: 32768
 SF: 400.130071 MHz
 WIDW: 32K
 SSB: 0
 LB: 3.30 Hz
 GB: 0
 PC: 1.00



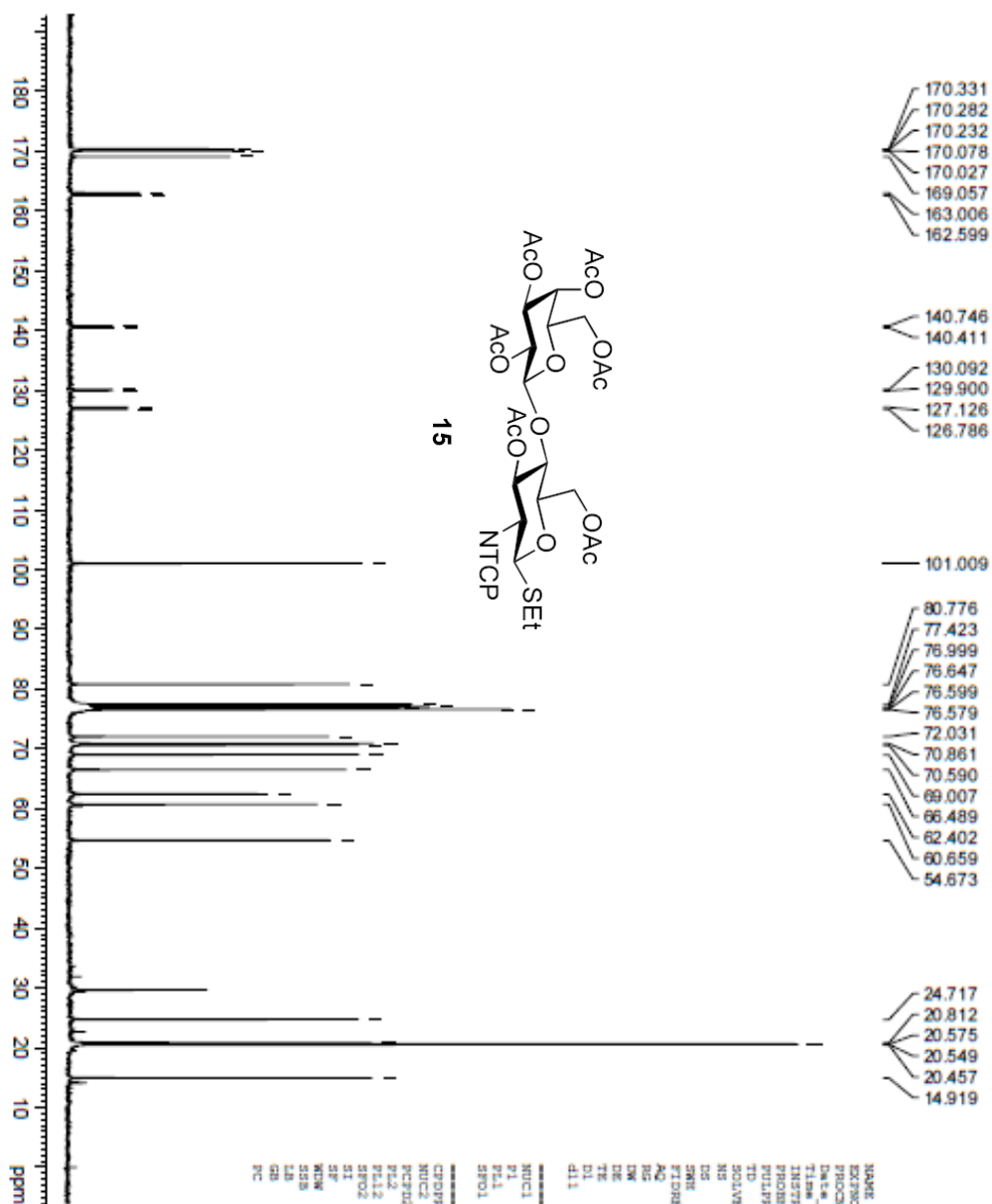


```

NAME      PP11-F227
EXPNO     1
PROCNO    1
Date_     20130531
Time      19.50
INSTRUM    spect
PROBHD     DUAL 5mm
PULPROG    zg30
TD         32768
SOLVENT    CDCl3
NS         45
DS         2
SWH         5995.204 Hz
FIDRES     0.182959 Hz
AQ         2.7329011 sec
RG         161.3
IN         83.400 usec
DE         6.00 usec
TE         0.0 K
D1         1.00000000 sec

===== CHANNEL f1 =====
NUC1       1H
P1         10.00 usec
PL1        -6.00 dB
SFO1       300.1315007 MHz
SI         32768
SF         300.1300007 MHz
WDW        EM
SSB        0
LB         0.30 Hz
GB         0
PC         1.00

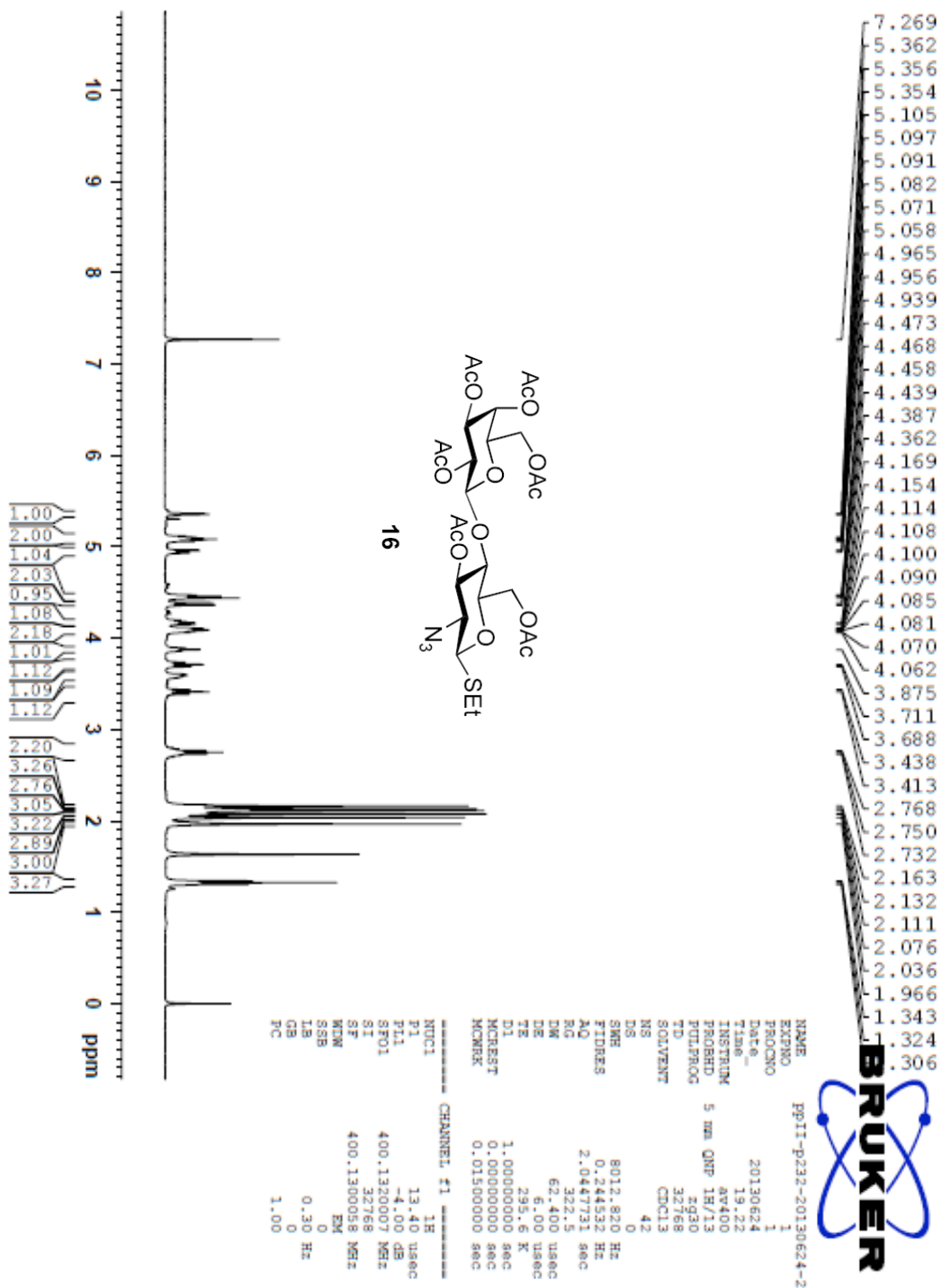
```

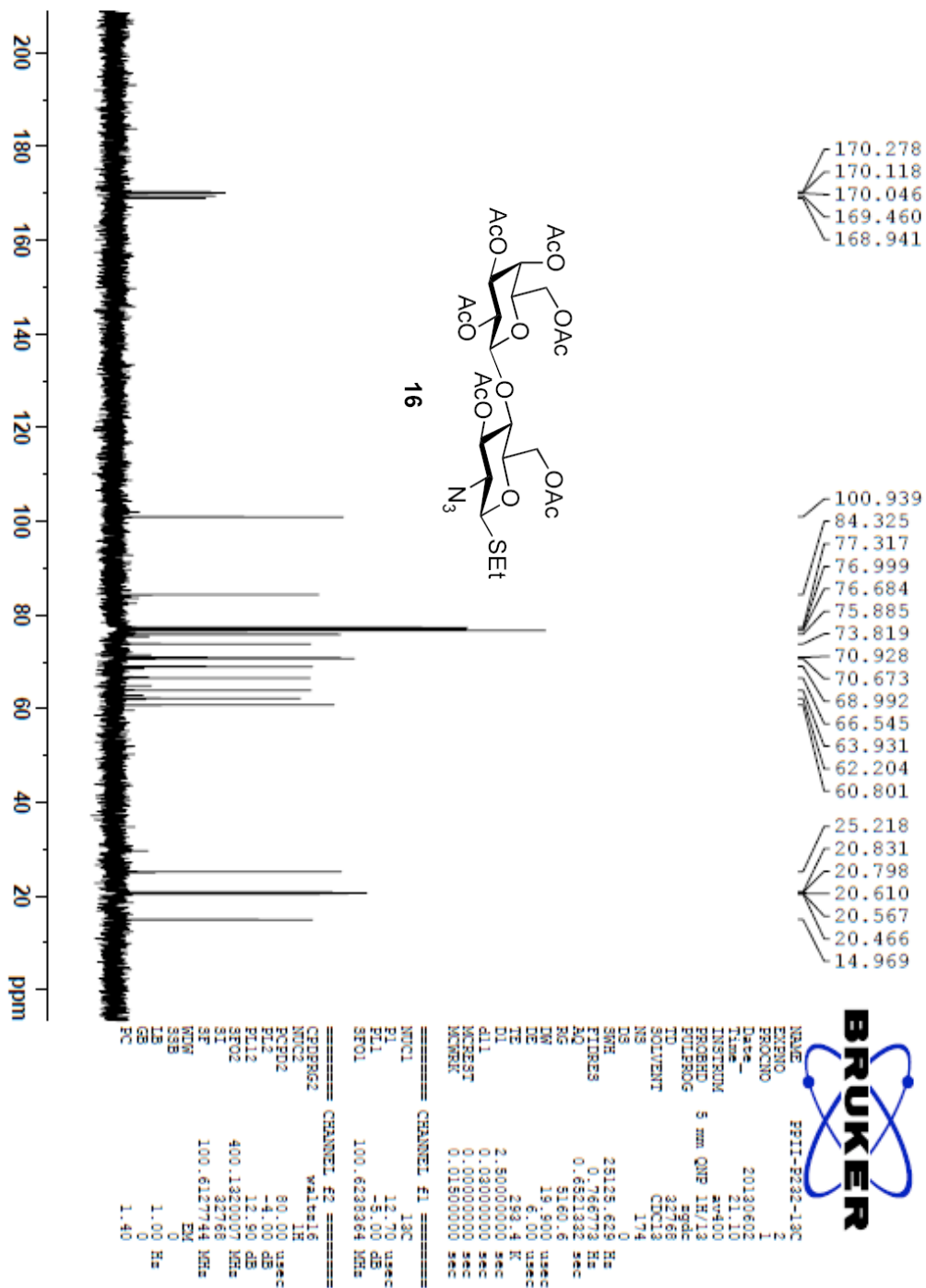


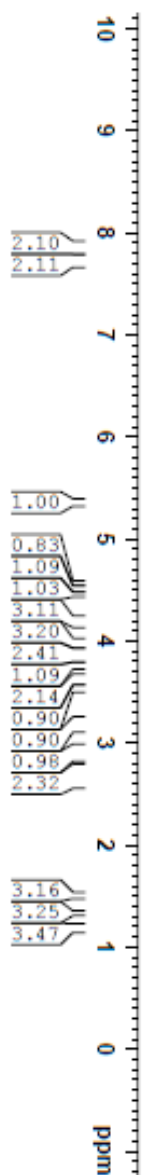
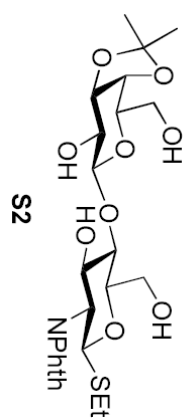
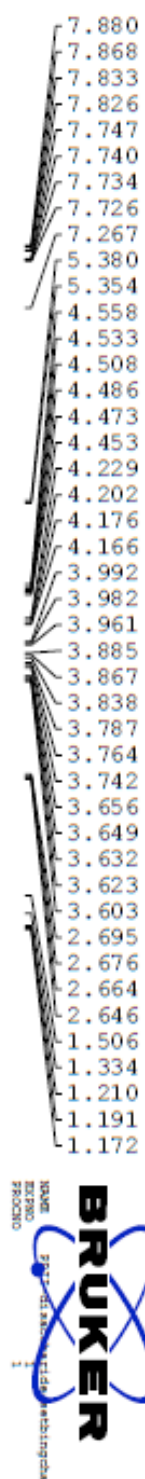
NAME PPII-P227-2-20130531-13C
EXPNO 1
PROCNO 1
Date_ 20130604
Time 23.10
INSTRUM spect
PROBHD DUAL 5mm
PULPROG zgpg30
TD 65536
SOLVENT CDCL3
NS 11011
DS 8
SWH 16556.291 Hz
FIDRES 0.50528 Hz
AQ 0.9898436 sec
RG 11585.2
IN 30.200 usec
DE 6.00 usec
TE 0.0 K
D1 2.50000000 sec
d11 0.03000000 sec

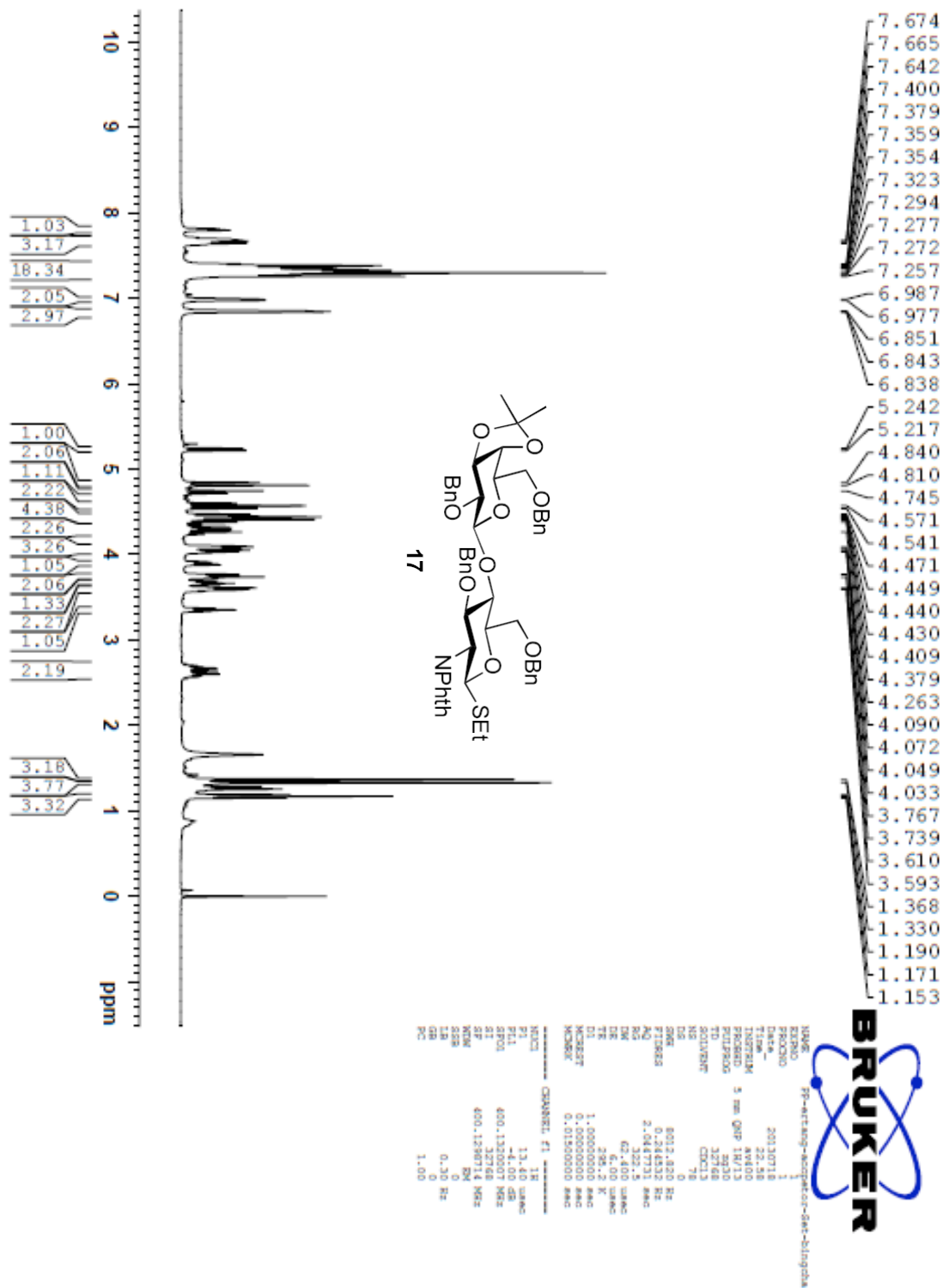
===== CHANNEL f1 =====
NUC1 13C
P1 5.80 usec
PL1 -8.00 dB
SFO1 75.474884 MHz

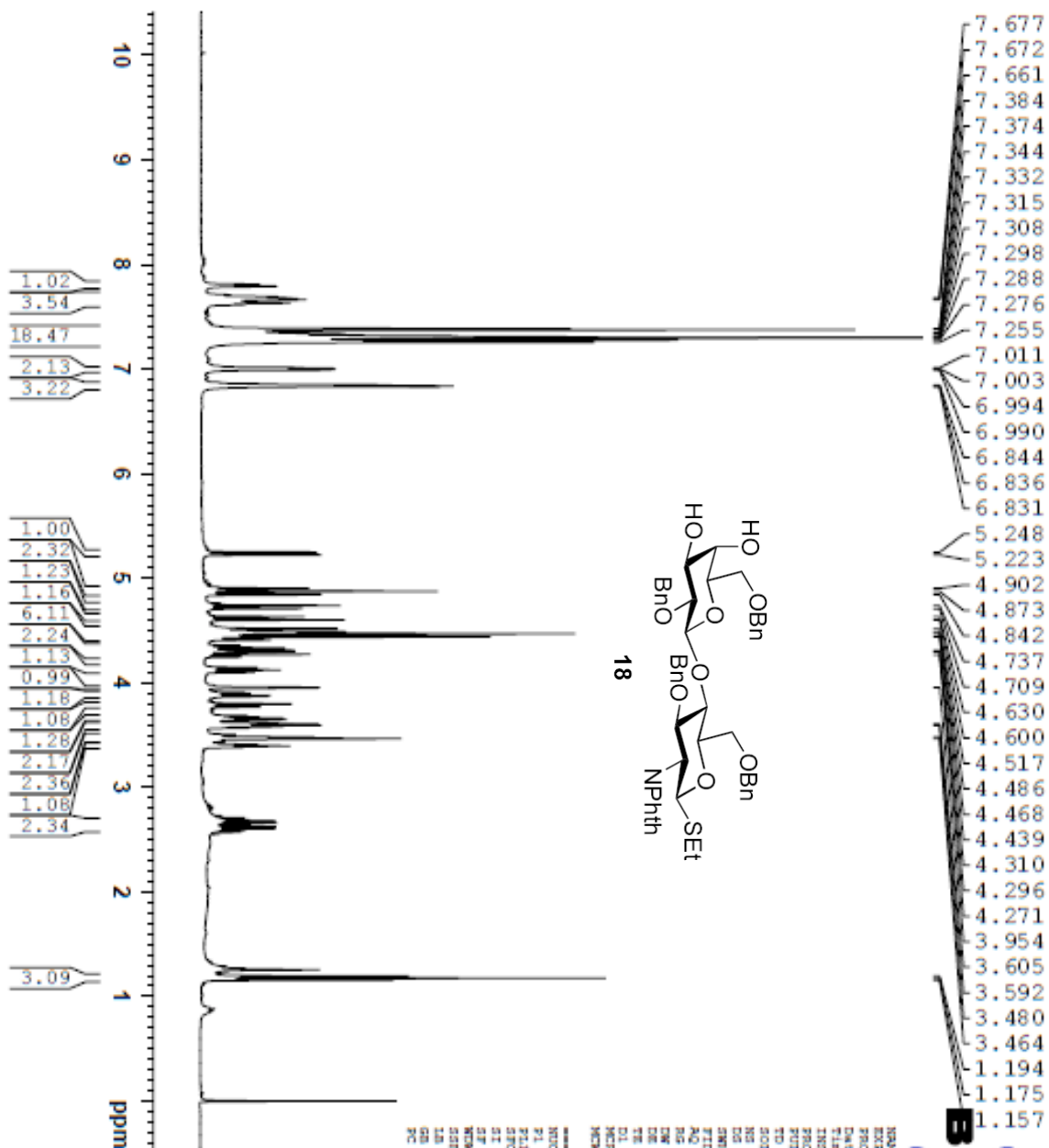
===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 120.00 dB
PL12 18.00 dB
SFO2 300.1312005 MHz
SI 32768
SF 75.467319 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40





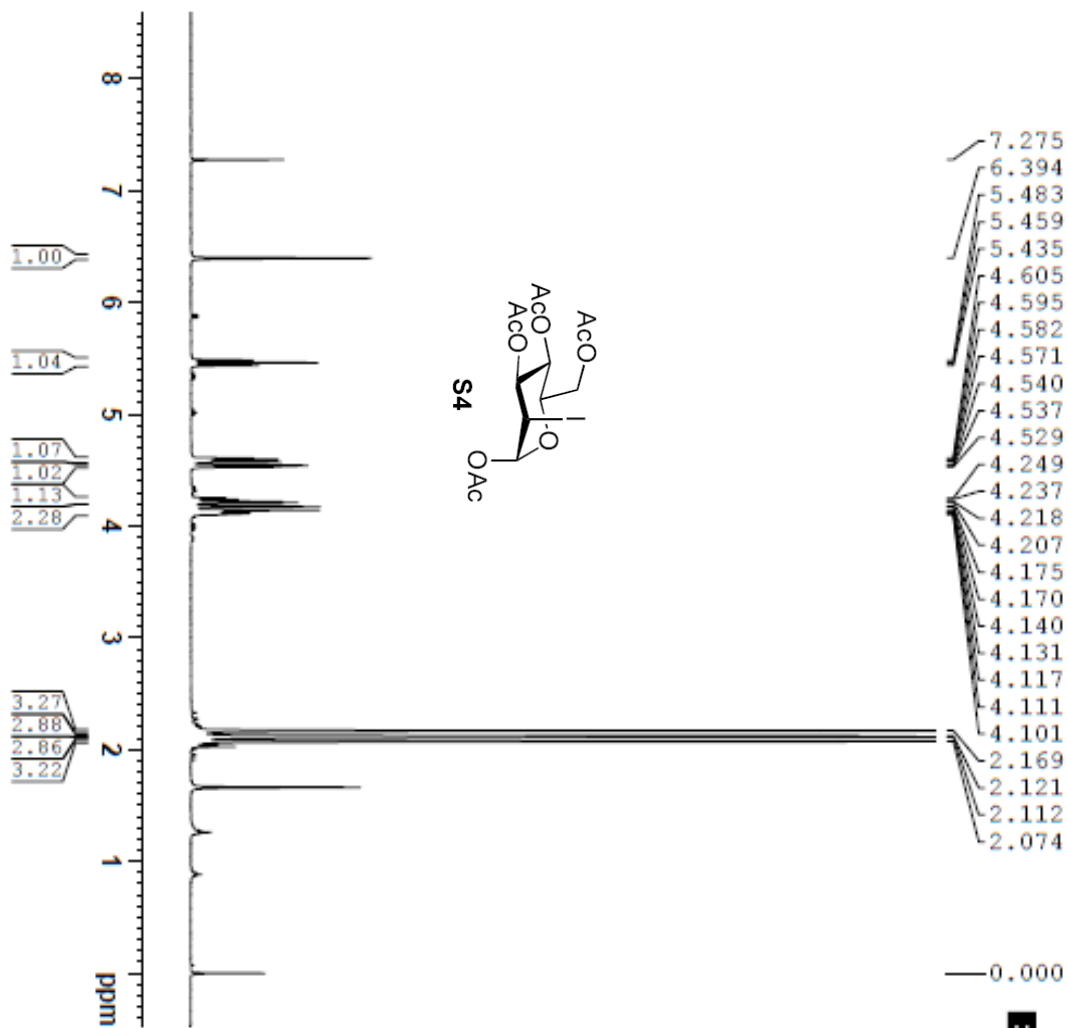






NAME 7711-wtmg-acceptor-Set-2
EXPNO 1
PROCNO 1
Date_ 20130719
Time 10.08
INSTRUM av400
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
FIDRES 0.2768
SOLVENT CDCl₃
NS 82
DS 0
SWH 8013.820 Hz
F1FRES 0.244512 Hz
AQ 0.044311 sec
RG 143.7
CW 62.400 usec
DE 6.00 usec
TE 294.2 K
D1 1.00000000 sec
DELTA 0.00000000 sec
MEASUREMENT 0.01500000 sec
NAME CHANNEL #1
NUC1 1H
P1 13.40 usec
PL -4.00 dB
SFO1 400.132007 MHz
SI 32768
SF 400.1300115 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

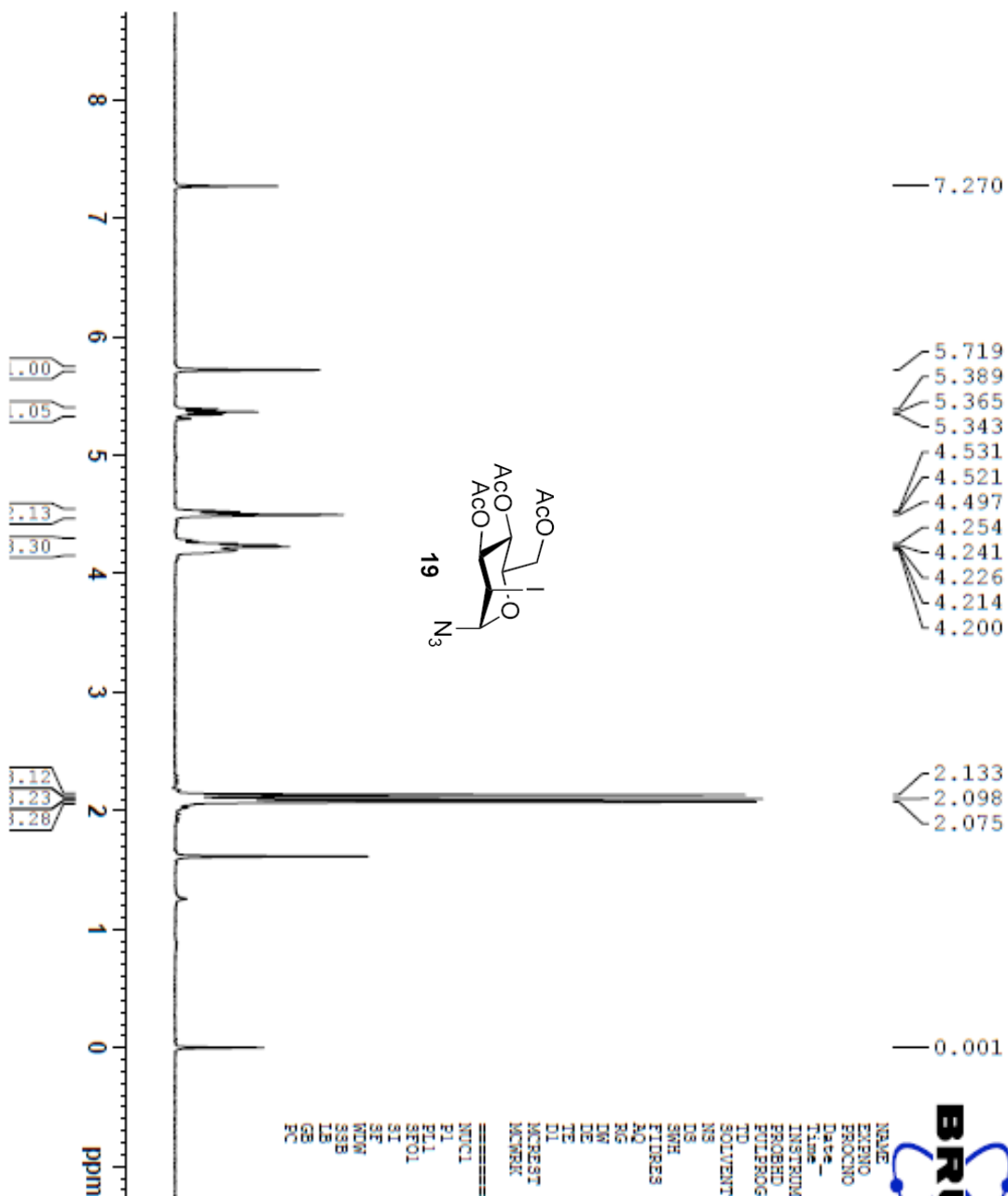




BRUKER

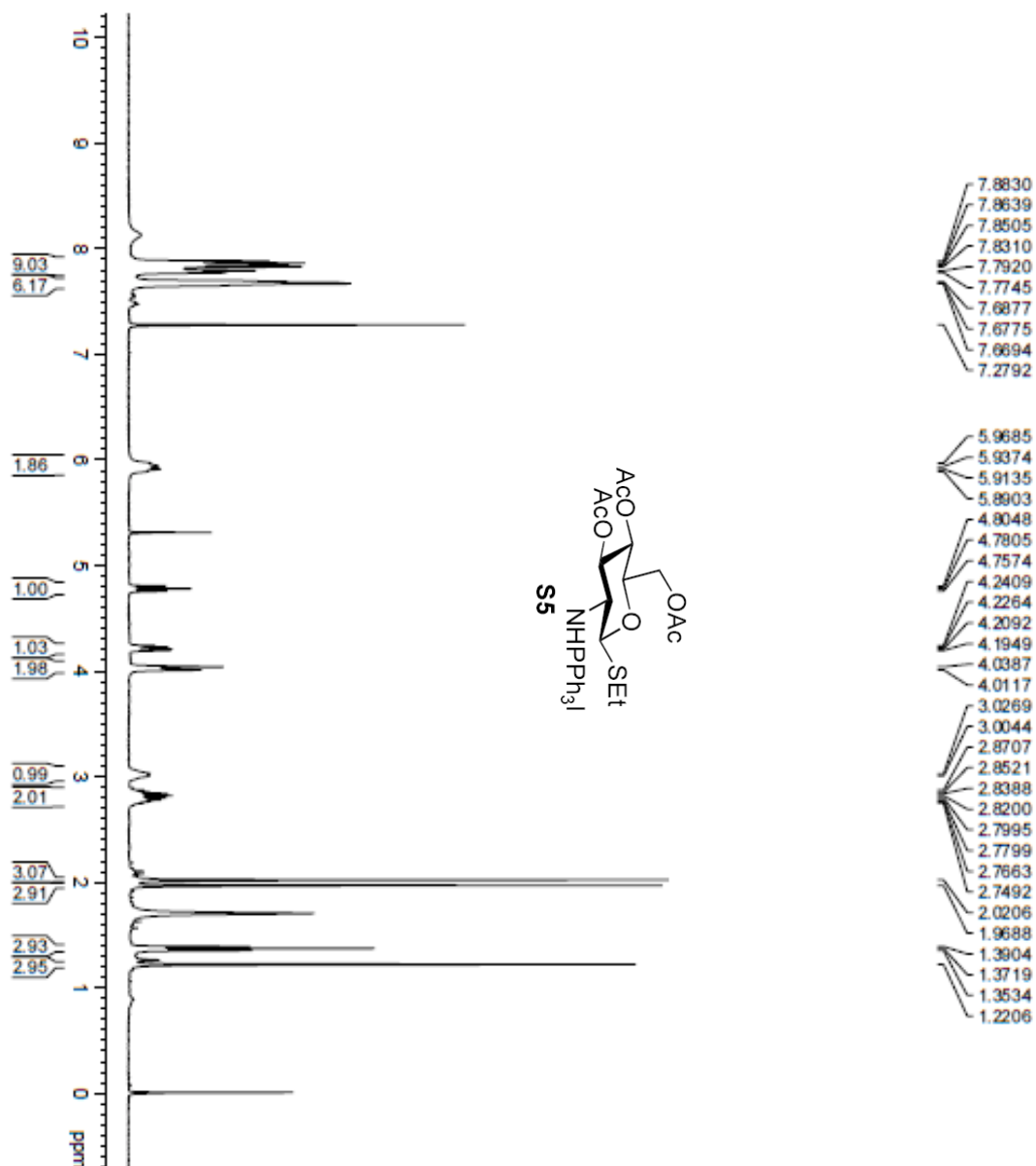
NAME PF-11-glucose-1-OAc
 EXPNO 1
 PROCNO 1
 Date_ 20130607
 Time_ 10.05
 INSTRUM 2x400
 PROBRD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 32768
 SOLVENT CDCl3
 NS 21
 DS 0
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.0447731 sec
 RG 322.5
 TM 62.400 usec
 DE 6.00 usec
 TE 295.6 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCMRK 0.01500000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 13.40 usec
 PL -4.00 dB
 SFOL 400.132007 MHz
 S1 32768
 SF 400.130036 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



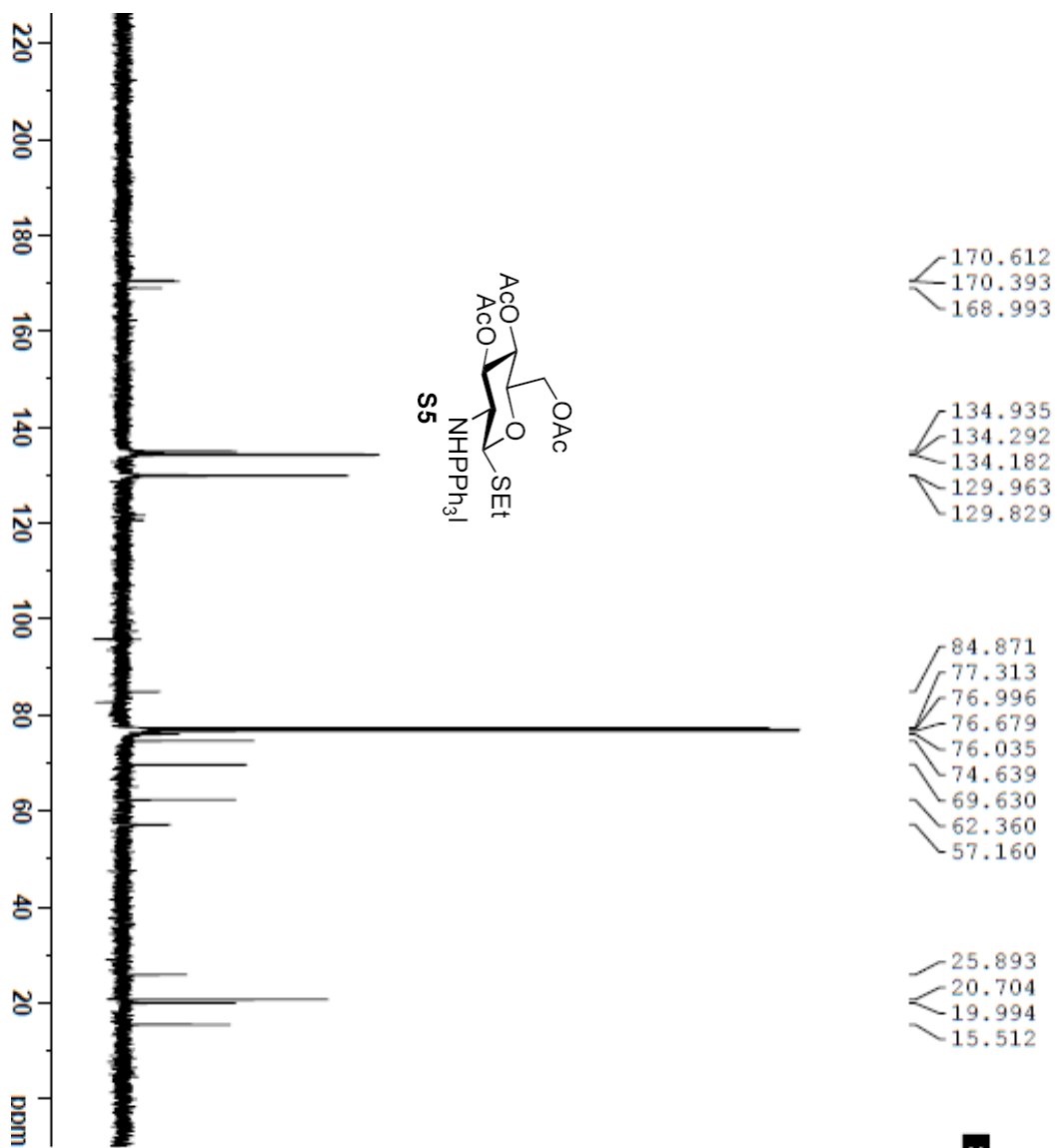
NAME: PF-glucose-1-N3
 EXNO: 1
 PROCNO: 1
 Date: 20130607
 Time: 22.07
 INSTRUM: av400
 PROBED: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 100
 DS: 0
 SWH: 8012.820 Hz
 FIDRES: 0.244582 Hz
 AQ: 2.0447731 sec
 RG: 322.5
 TW: 62.400 usec
 TE: 6.00 usec
 DE: 293.6 K
 DI: 1.00000000 sec
 MCREST: 0.00000000 sec
 MCMRK: 0.01500000 sec

===== CHANNEL f1 =====
 NUCL: 13C
 P1: 13.40 usec
 PL: -4.00 dB
 SFO1: 400.132007 MHz
 SI: 32768
 SF: 400.130086 MHz
 WTM: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00



NAME PPII-P249-1H
 EXPNO 1
 PROCNO 1
 Date_ 20130618
 Time_ 21.43
 INSTRUM av400
 PROBRD 5 mm QNP 1H/13
 FIDPROC 32768
 TD 32768
 ID 32768
 SOLVENT CDCl3
 NS 58
 DS 0
 SWH 8012.820 Hz
 FIDRES 0.244532 Hz
 AQ 2.044731 sec
 RG 322.5
 DW 62.400 usec
 DE 6.00 usec
 TE 293.7 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCNMR 0.01500000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 13.40 usec
 PL1 -4.00 dB
 SF01 400.132007 MHz
 SI 32768
 ST 400.130021 MHz
 WDM EN
 WSSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



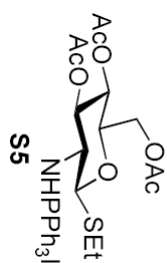
BRUKER

NAME: SP-11-249-C13
 EXNO: 1
 PROCNO: 1
 Date_: 20130617
 Time: 23:47
 INSTRUM: spect
 PROBRD: 5 mm QNP 1H/13
 PULPROG: zgpg30
 ID: 32768
 SOLVENT: CDCl3
 NS: 10021
 DS: 0
 SWH: 25125.629 Hz
 FIDRES: 0.764773 Hz
 AQ: 0.6521982 sec
 RG: 8192
 DE: 19.900 usec
 TE: 294.3 K
 D1: 2.50000000 sec
 d11: 0.03000000 sec
 MEPRST: 0.00000000 sec
 MCPRST: 0.01500000 sec

==== CHANNEL #1 =====
 NUC1: 13C
 P1: 12.70 usec
 PL1: -5.00 dB
 SFO1: 100.628364 MHz

==== CHANNEL #2 =====
 CPOPRG2: waltz16
 NUC2: 1H
 P2: 80.00 usec
 PL2: -4.00 dB
 PL12: 12.90 dB
 SFO2: 400.132007 MHz
 SI: 32768
 SE: 100.612720 MHz
 WDW: EM
 SSB: 0
 LB: 1.00 Hz
 GB: 0
 PC: 1.40

39.825

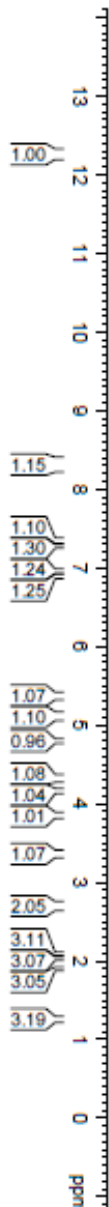
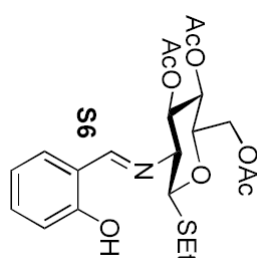
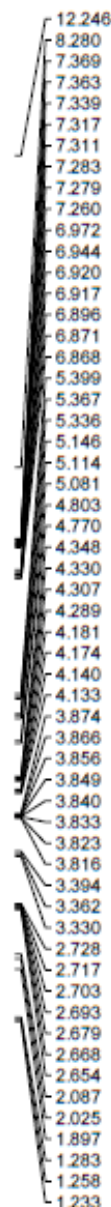


```

NAME      EF-IT-249-F31
EXPNO     1
PROCNO    1
Date_     20130617
Time      23.45
INSTRUM   av400
PROBHD    5 mm QNP 1H/13
PULPROG   zgpg30
TD         65536
FIDRES    0.3766
SOLVENT   CDCl3
NS         37
DS         0
SWH        64935.066 Hz
FIDRES     1.981661 Hz
AQ         0.5538636 sec
RG         14596.5
RG2        7.700 usec
DE         6.00 usec
TE         294.2 K
D1         2.00000000 sec
d11        0.08000000 sec
d12        0.00000000 sec
d13        0.00000000 sec
d14        0.01500000 sec
MTEB      0.01500000 sec
MEMBRK    0.01500000 sec

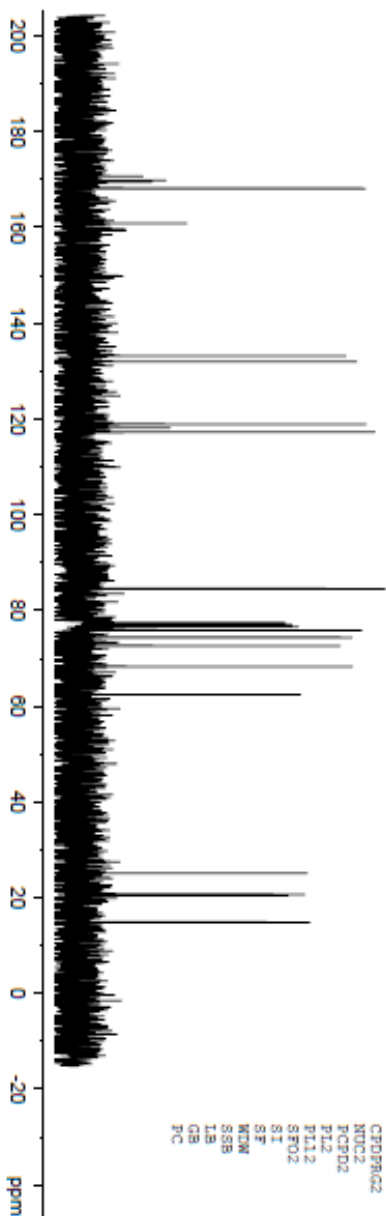
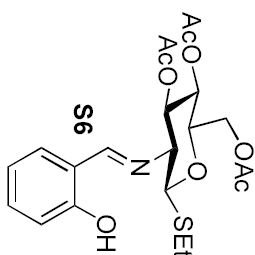
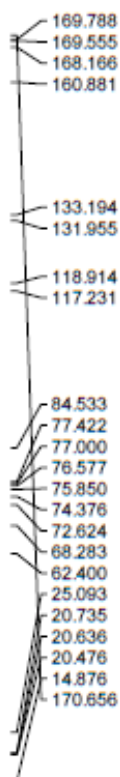
===== CHANNEL f1 =====
NUC1       13P
P1         10.80 usec
PL1        -5.00 dB
SFO1       161.9755730 MHz

===== CHANNEL f2 =====
CDEPRG2    waltz16
NUC2       1H
PCPD2      80.00 usec
PL2        -4.00 dB
PL12       11.78 dB
SFO2       400.1317250 MHz
SI         32768
SF         161.9755740 MHz
WFM        ZH
GB         0
LB         2.00 Hz
GB         0
PC         1.40
  
```



NAME FPII-glucose-imine
 EXPNO 1
 PROCNO 1
 Date_ 20130612
 Time 15.03
 INSTRUM spect
 PROBRD DUAL 5mm 29934
 PULPROG zgpg30
 TD 32768
 SOLVENT CDCl3
 NS 34
 DS 2
 SWH 5995.204 Hz
 FIDRES 0.18299 Hz
 AQ 2.7339011 sec
 RG 1613
 RW 83.400 usec
 LR 6.00 usec
 TE 0.0 K
 D1 1.00000000 sec

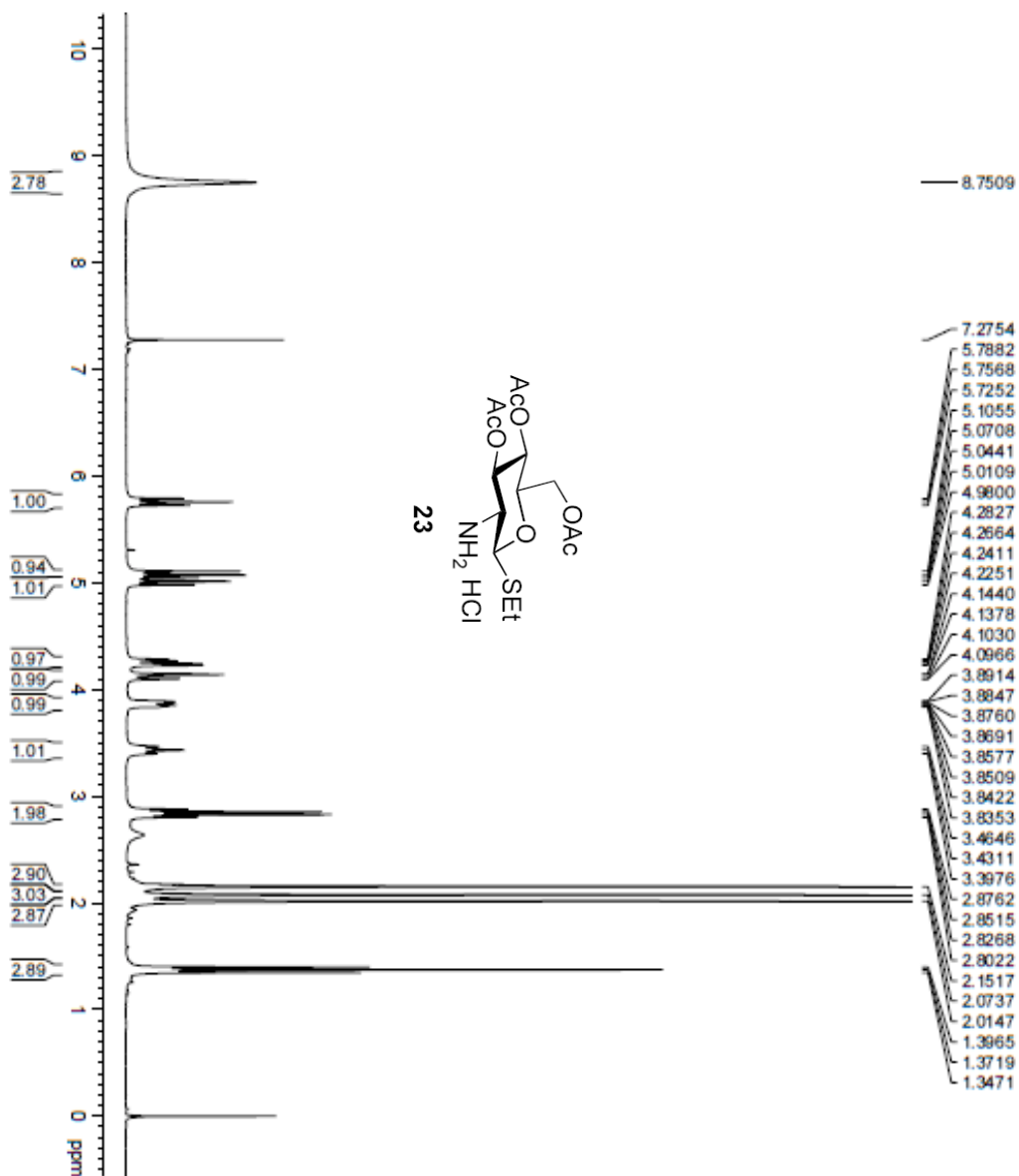
===== CHANNEL f1 =====
 NUCL 1H
 P1 10.00 usec
 PL 0.00 dB
 F1 300.1315007 MHz
 SFO1 32768
 SE 300.1300050 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



NAME FPII-glucosamine-13C
EXPNO 1
PROCNO 1
Date_ 20130612
Time_ 15.07
INSTRUM spect
PROBHD DUAL 5mm ZB934
PULPROG zgpg30
TD 32768
F2 32768
SOLVENT CDCl3
NS 85
DS 1
SWH 16556.291 Hz
FIDRES 0.503258 Hz
AQ 0.9896436 sec
RG 11585.2
RW 30.200 usec
DE 6.00 usec
TE 0.0 K
D1 2.50000000 sec
d11 0.03000000 sec

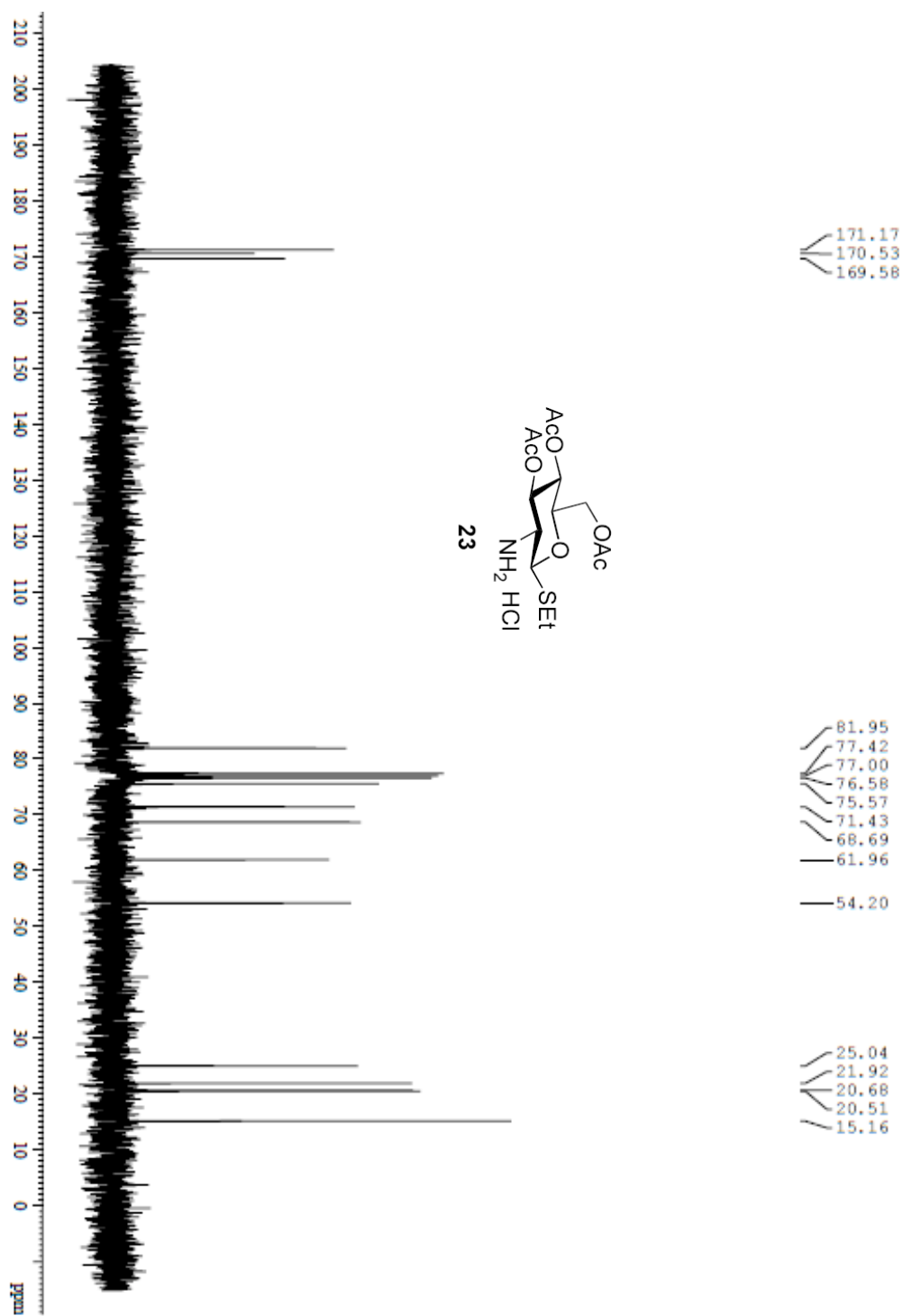
CHANNEL f1
NUC1 13C
P1 5.80 usec
PL1 -6.00 dB
SFO1 75.474884 MHz

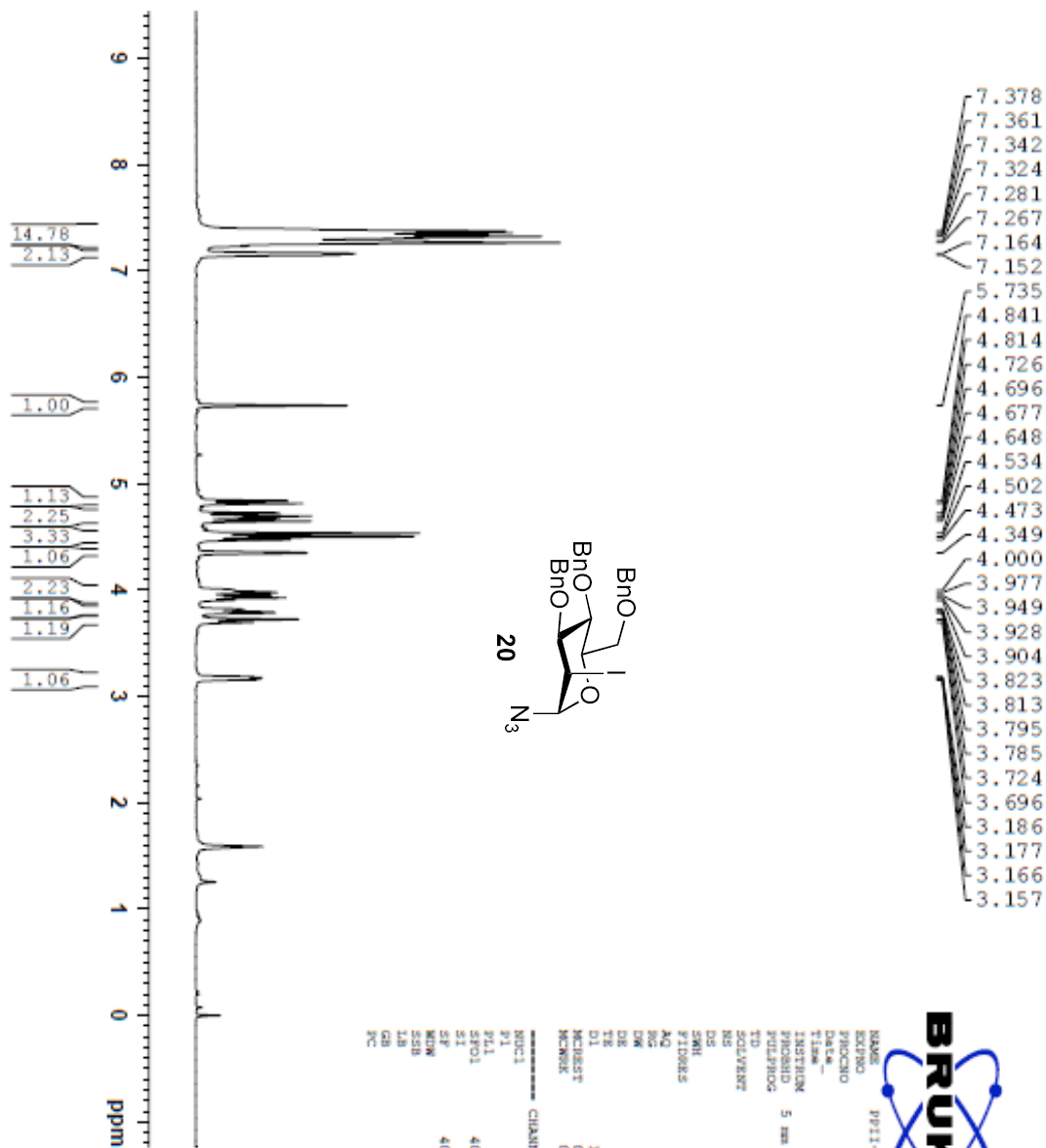
CHANNEL f2
NAME mlt1216
NUC2 1H
PCPDZ 100.00 usec
PL2 129.00 dB
PL12 18.00 dB
SFO2 300.1312005 MHz
SI 32768
SF 75.4671532 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

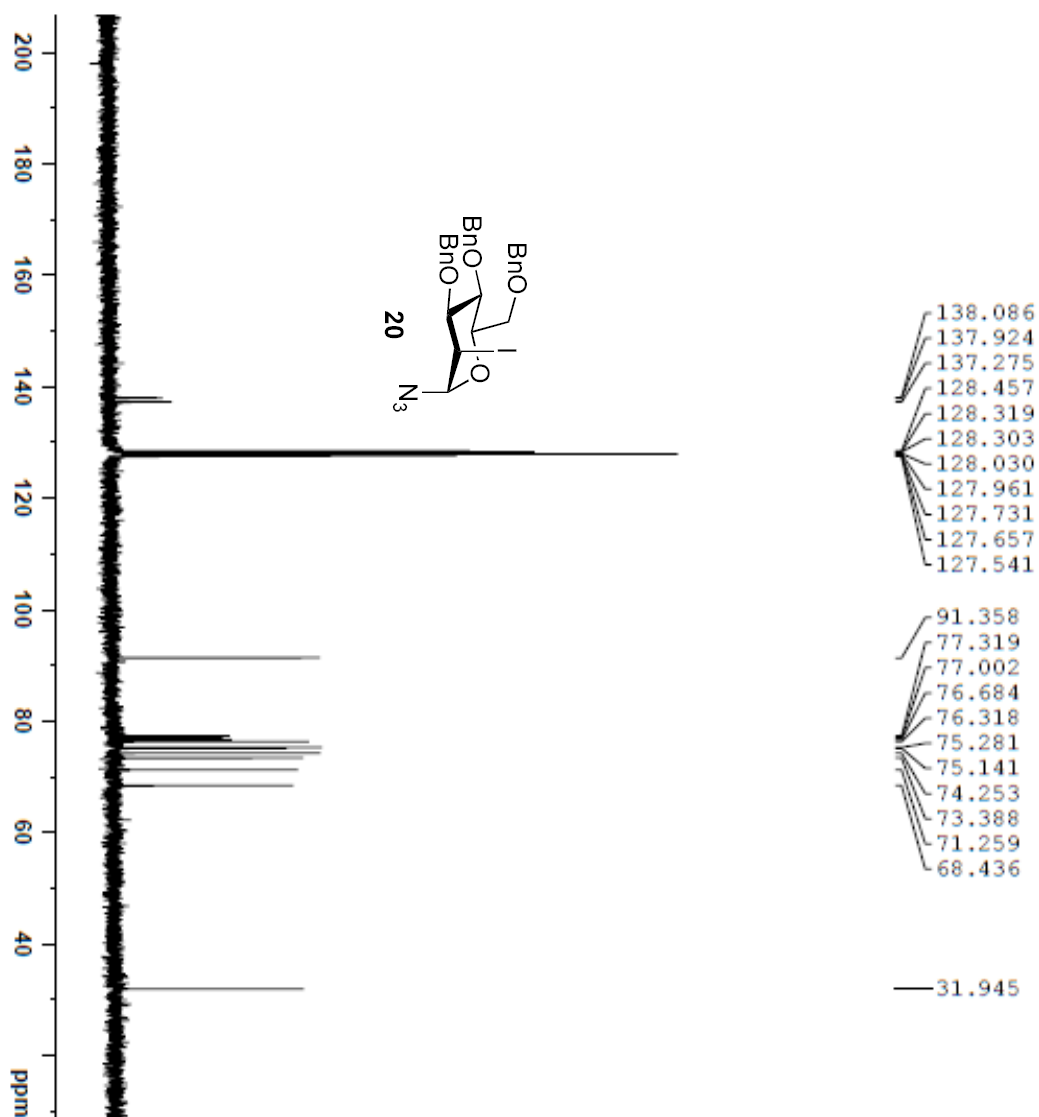


NAME ppit-glucose-Ac-NH3
 EXPNO 1
 PROCNO 1
 Date_ 20130724
 Time_ 19.29
 INSTRUM spect
 PROBRD DUAL 5mm Z3934
 PULPROG zgpg30
 TD 32768
 SOLVENT CDCl3
 NS 50
 DS 2
 SWH 5995.204 Hz
 FIDRES 0.182959 Hz
 AQ 2.7329011 sec
 RG 181
 INW 83.400 usec
 DE 6.00 usec
 TE 300.2 K
 D1 1.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 10.00 usec
 PL1 -6.00 dB
 SFO1 300.1315007 MHz
 SI 32768
 SF 300.1300022 MHz
 WCN EM
 SGB 0
 LB 0.30 Hz
 GB 0
 PC 1.00







```

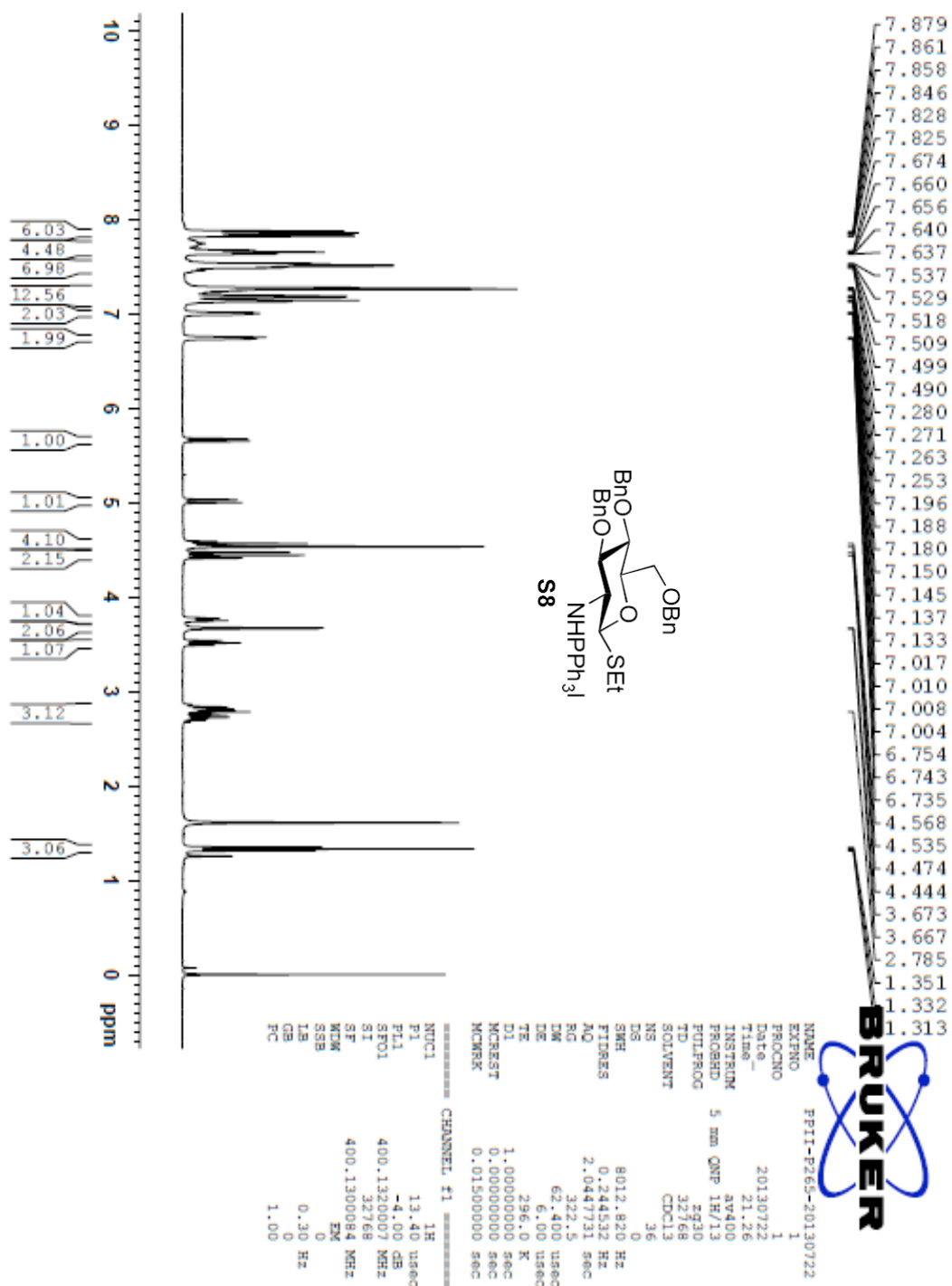
NAME      F9211-g1ucosam-1-N3-OB-13C
EXPNO     2
PROCNO    1
Date_     20130616
Time      9.15
INSTRUM    spect
PROBHD     5 mm QNP 1H/13
PULPROG    zgpg30
TD         32768
SOLVENT    CDCl3
NS         92
DS         4
SWH         25125.429 Hz
F2         0.166713 Hz
AQ         0.452132 sec
RG          3162.8
DE          6.00 umax
TE          300.2 K
D1          2.5000000 sec
d11         0.1200000 sec
DECTEST    0.0000000 sec
MCHRGF     0.01500000 sec

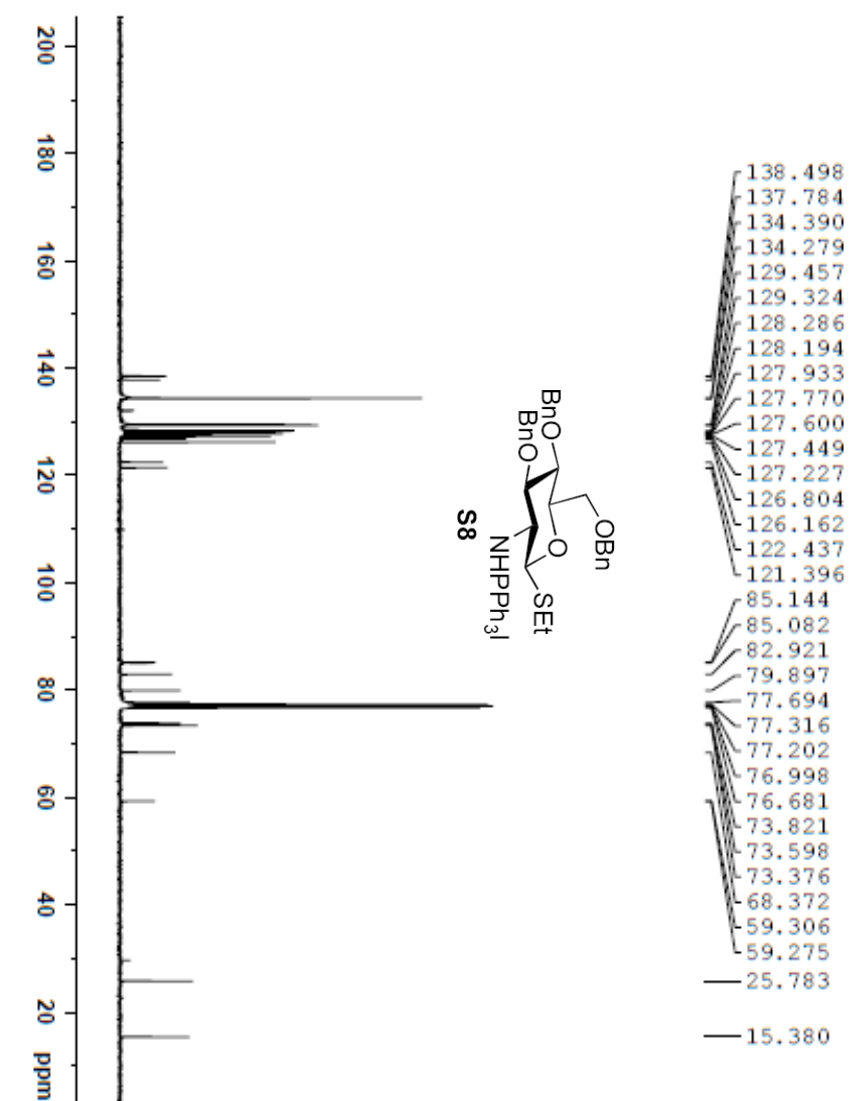
===== CHANNEL f1 =====
NUC1        13C
P1          12.70 umax
PL1         -5.00 dB
SFO1        100.628164 MHz

===== CHANNEL f2 =====
NAME2      water16
EXPNO2     16
PROCNO2    1
Date_2     20130616
Time2      9.15
INSTRUM2    spect
PROBHD2     5 mm QNP 1H/13
PULPROG2    zgpg30
TD2         32768
SOLVENT2    CDCl3
NS2         92
DS2         4
SWH2        25125.429 Hz
F22         0.166713 Hz
AQ2         0.452132 sec
RG2          3162.8
DE2          6.00 umax
TE2          300.2 K
D12          2.5000000 sec
d112         0.1200000 sec
DECTEST2    0.0000000 sec
MCHRGF2     0.01500000 sec

===== CHANNEL f3 =====
NAME3      water16
EXPNO3     16
PROCNO3    1
Date_3     20130616
Time3      9.15
INSTRUM3    spect
PROBHD3     5 mm QNP 1H/13
PULPROG3    zgpg30
TD3         32768
SOLVENT3    CDCl3
NS3         92
DS3         4
SWH3        25125.429 Hz
F23         0.166713 Hz
AQ3         0.452132 sec
RG3          3162.8
DE3          6.00 umax
TE3          300.2 K
D13          2.5000000 sec
d113         0.1200000 sec
DECTEST3    0.0000000 sec
MCHRGF3     0.01500000 sec

```



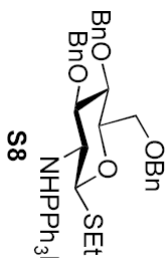


BRUKER

NAME PP-II-P265-13C
EXPNO 2
PROCNO 1
DATE_ 20130626
TIME 23.41
INSTRUM 5 mm QNP 1H/13
PROBHD AV400
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 10192
DS 0
SWH 25125.629 Hz
FIDRES 0.766773 Hz
AQ 0.6521332 sec
RG 5792.6
RW 19.900 usec
TE 293.3 K
d1 2.50000000 sec
d11 0.03000000 sec
MCREST 0.00000000 sec
MCRRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 12.70 usec
PL1 -5.00 dB
SFO1 100.628364 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -4.00 dB
PL12 12.90 dB
SFO2 400.132007 MHz
SI 32768
SF 100.612744 MHz
WFM EN
SSB 0
TB 1.00 Hz
GB 0
PC 1.40



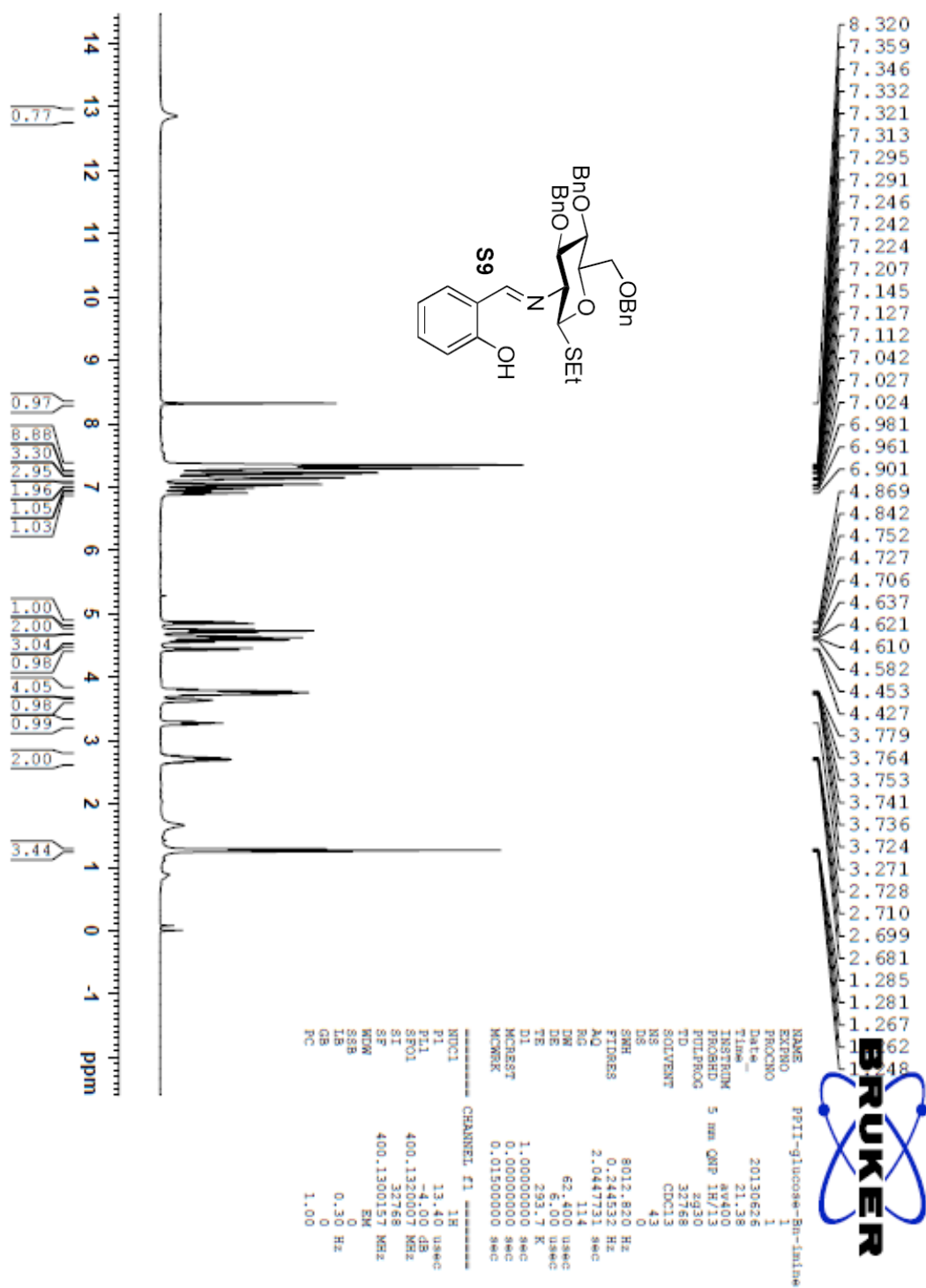
40.070

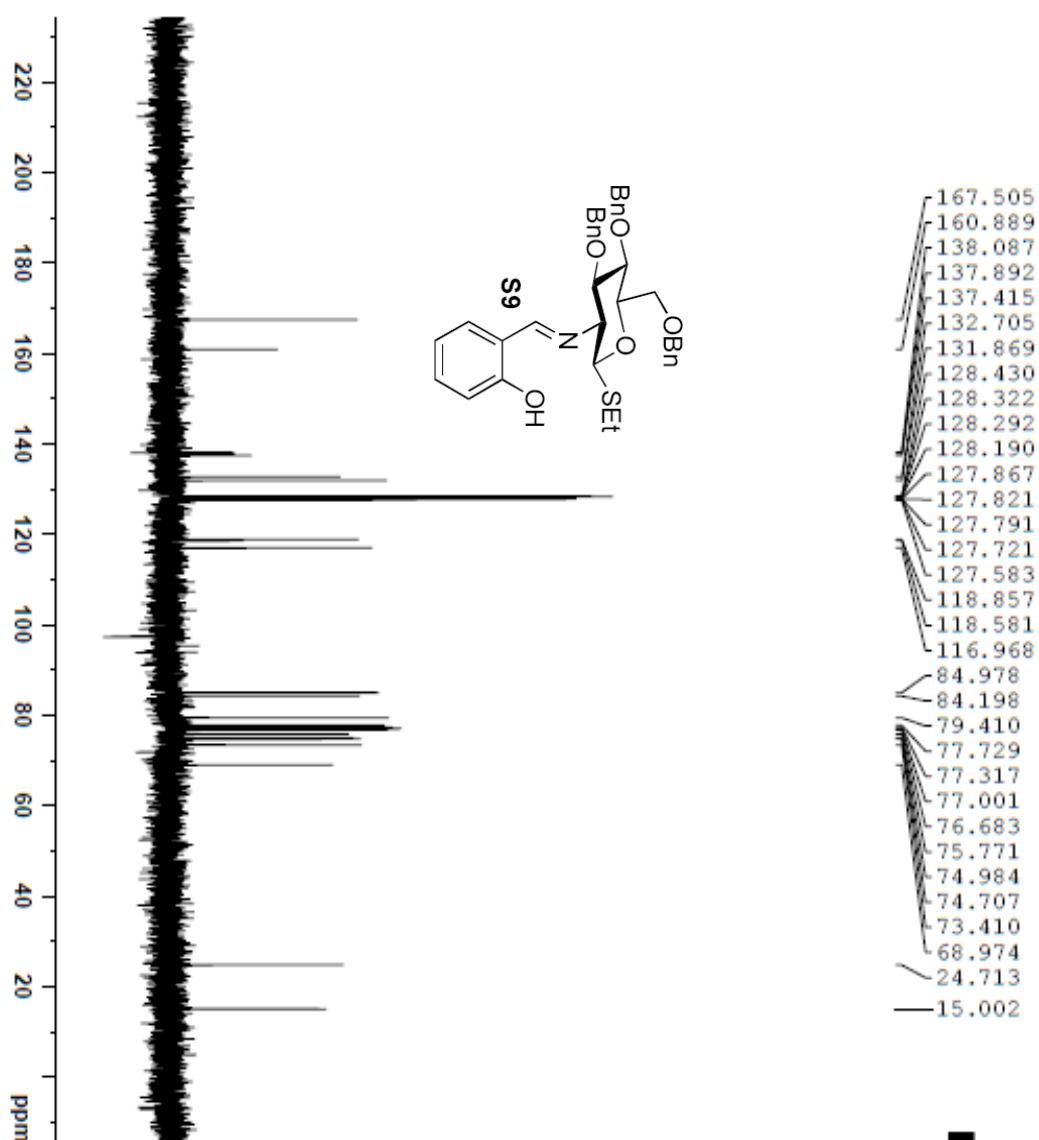


NAME PP-11-265-P31
EXPNO 1
PROCNO 1
Date_ 20130627
Time 15.24
INSTRUM av400
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 13
DS 0
SWH 64935.066 Hz
FIDRES 1.981661 Hz
AQ 0.2523636 sec
RG 14596 S
RM 7.700 usec
LZ 6.00 usec
TE 295.1 K
D1 2.00000000 sec
d11 0.03000000 sec
MCREST 0.00000000 sec
MCMRK 0.01500000 sec

===== CHANNEL #1 =====
NUC1 31P
P1 10.80 usec
PL1 -5.00 dB
SFO1 161.975730 MHz

===== CHANNEL #2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 -4.00 dB
PL12 11.78 dB
SFO2 400.1317250 MHz
SI 32768
SF 161.975740 MHz
WDW EM
SSB 0
LB 2.00 Hz
GB 0
PC 1.40



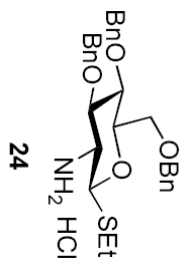
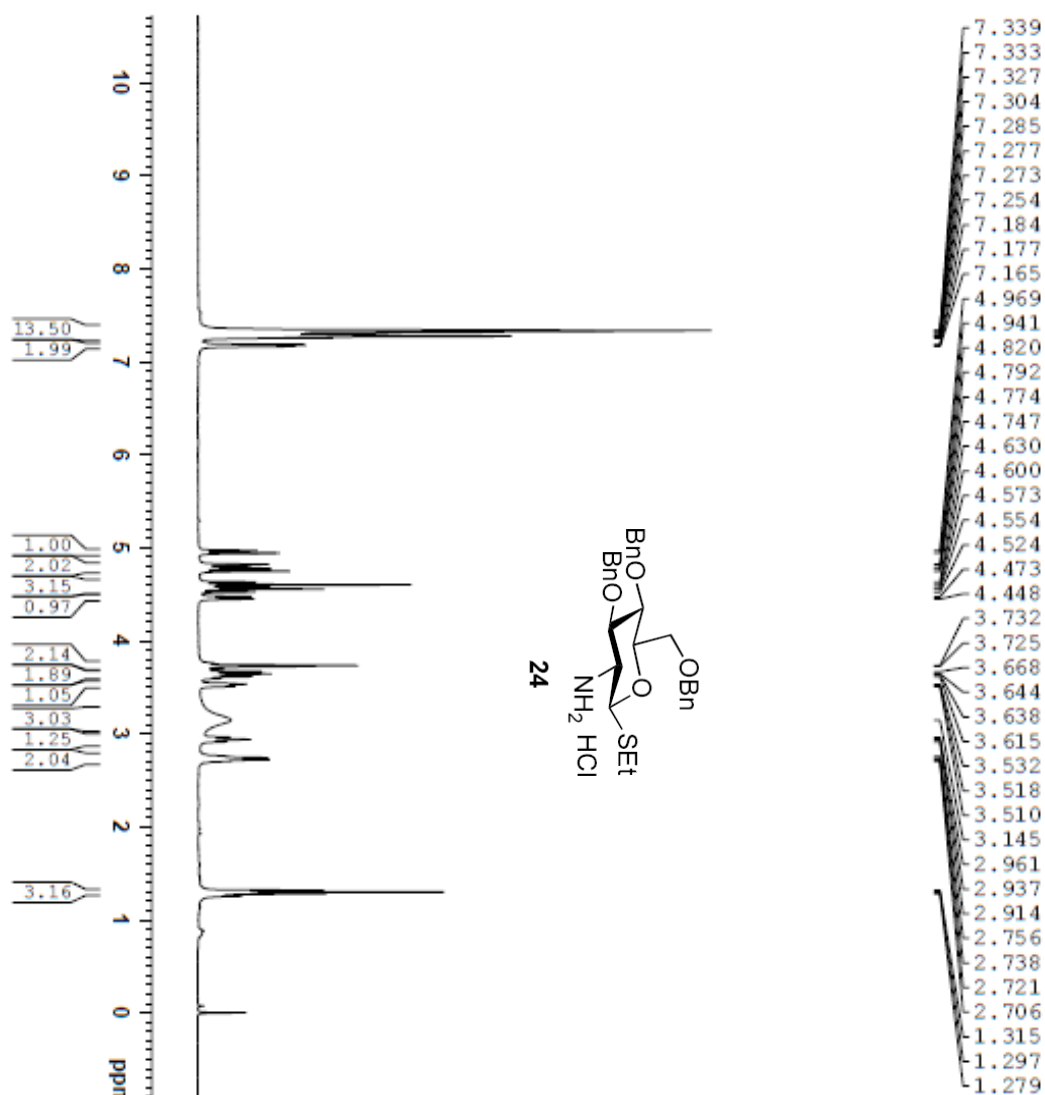


BRUKER

NAME: PPT1-913000000000-1011000000-13C
 EXPNO: 2
 PROCNO: 1
 Date_: 20130626
 Time: 21:40
 F2: 125.760 MHz
 F1: 101.623 MHz
 PROCAM: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TO: 32768
 SOLVENT: CDCl3
 NS: 8
 DS: 0
 SWH: 25129.629 Hz
 FIDRES: 0.164773 Hz
 AQ: 0.001132 sec
 RG: 1024
 DF: 19,500 umax
 DE: 6.00 umax
 TE: 293.1 K
 T1: 2.5000000 sec
 d11: 0.0300000 sec
 d12: 0.0000000 sec
 ACQRES: 0.0150000 sec
 FIDRES: 0.164773 Hz

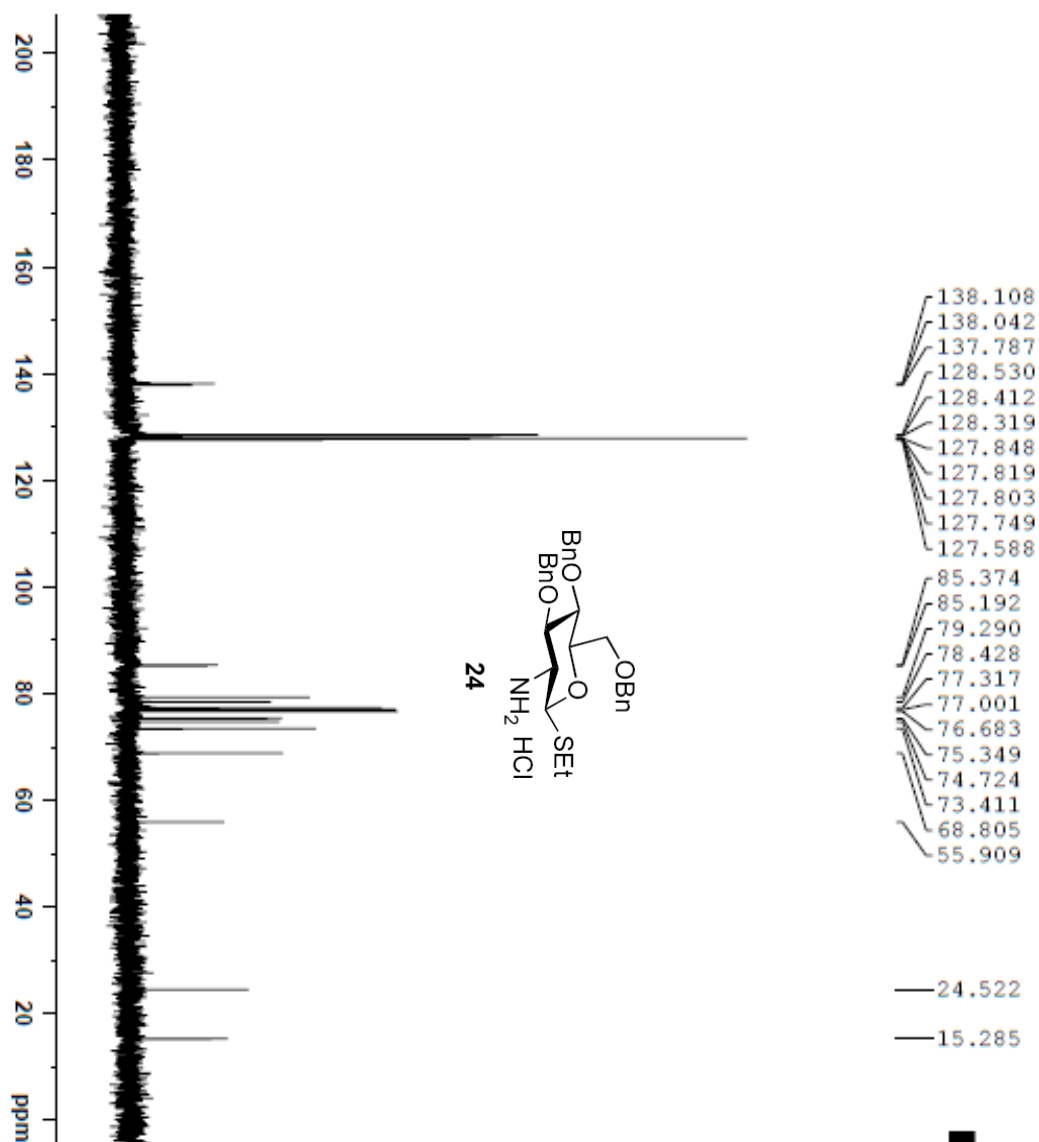
===== CHANNEL f1 =====
 NUC1: 13C
 P1: 12.70 umax
 PL1: -5.00 dB
 SFO1: 100.623004 MHz

===== CHANNEL f2 =====
 NUC2: 1H
 P2: 80.00 umax
 PL2: -4.00 dB
 SFO2: 400.1320007 MHz
 SFO3: 400.1320007 MHz
 SFO4: 100.623004 MHz
 WALTZ16
 NS: 8
 DS: 0
 SWH: 1.00 Hz
 FIDRES: 1.40



NAME: P11-P273
 EXPNO: 1
 PROCNO: 1
 Date_: 20130628
 Time: 13.40
 INSTRUM: av400
 PROCNO: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 28
 DS: 8
 SWH: 8012.820 Hz
 FIDRES: 0.244532 Hz
 AQ: 2.0447731 sec
 RG: 181
 DW: 62.400 usec
 DE: 6.00 usec
 TE: 294.3 K
 D1: 1.00000000 sec
 MCREST: 0.00000000 sec
 MCNMR: 0.01500000 sec

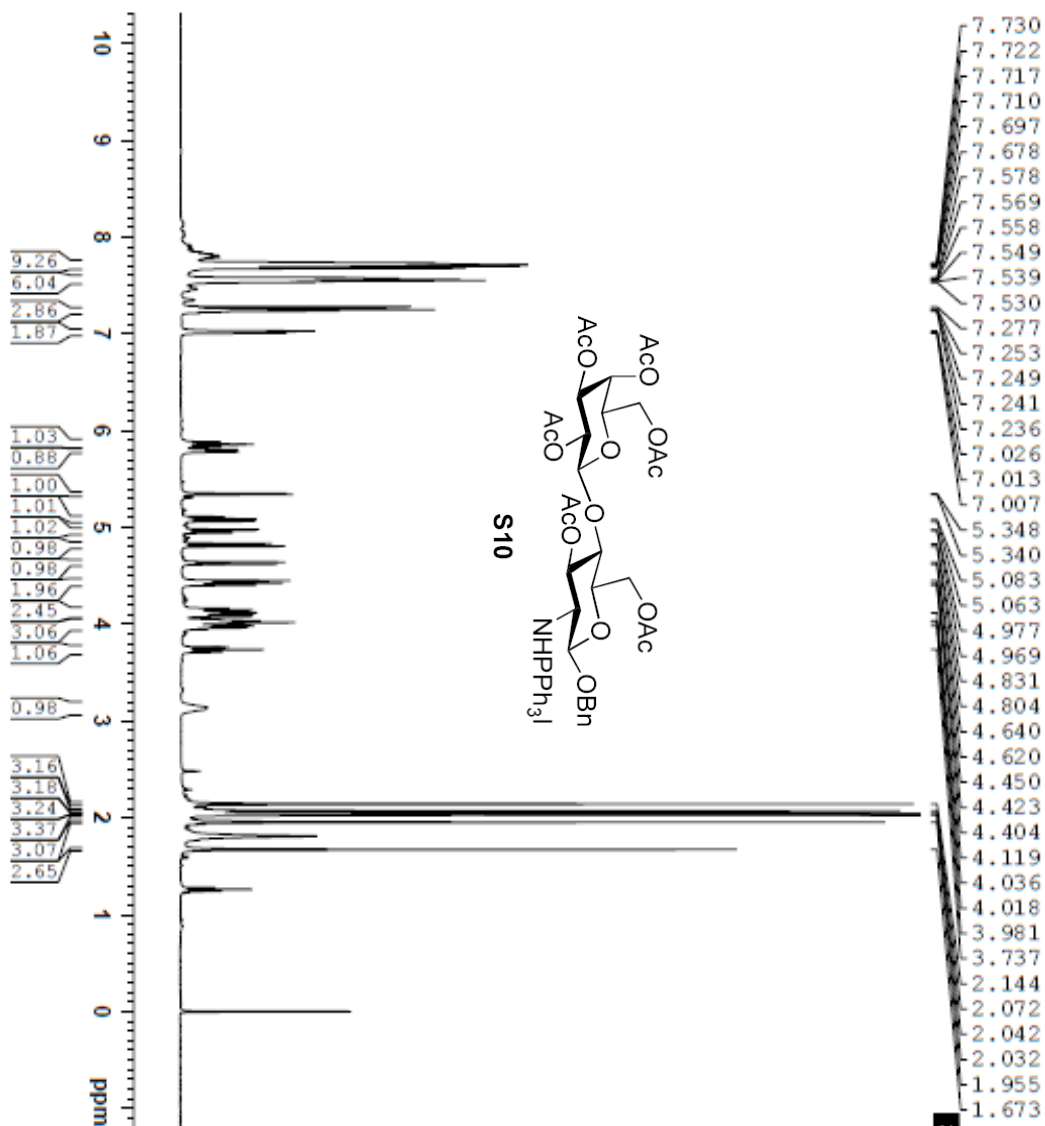
===== CHANNEL f1 =====
 NUC1: 1H
 P1: 13.40 usec
 PL1: -4.00 dB
 SFO1: 400.132007 MHz
 SI: 32768
 SF: 400.1300121 MHz
 W1W: EX
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00



NAME: PPII-P273-13C
 EXTNO: 2
 PROCNO: 1
 DATE_: 20130628
 TIME: 13.43
 INSTRUM: av400
 PROBRD: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 163
 DS: 0
 SWH: 26125.629 Hz
 FIDRES: 0.1766773 Hz
 AQ: 0.6521332 sec
 RG: 8192
 LW: 19.900 usec
 LE: 6.00 usec
 TE: 294.4 K
 D1: 2.50000000 sec
 d11: 0.03000000 sec
 MCREST: 0.00000000 sec
 MCRMK: 0.01500000 sec

===== CHANNEL #1 =====
 NUC1: 13C
 P1: 12.70 usec
 PL1: -5.00 dB
 SFO1: 100.628364 MHz

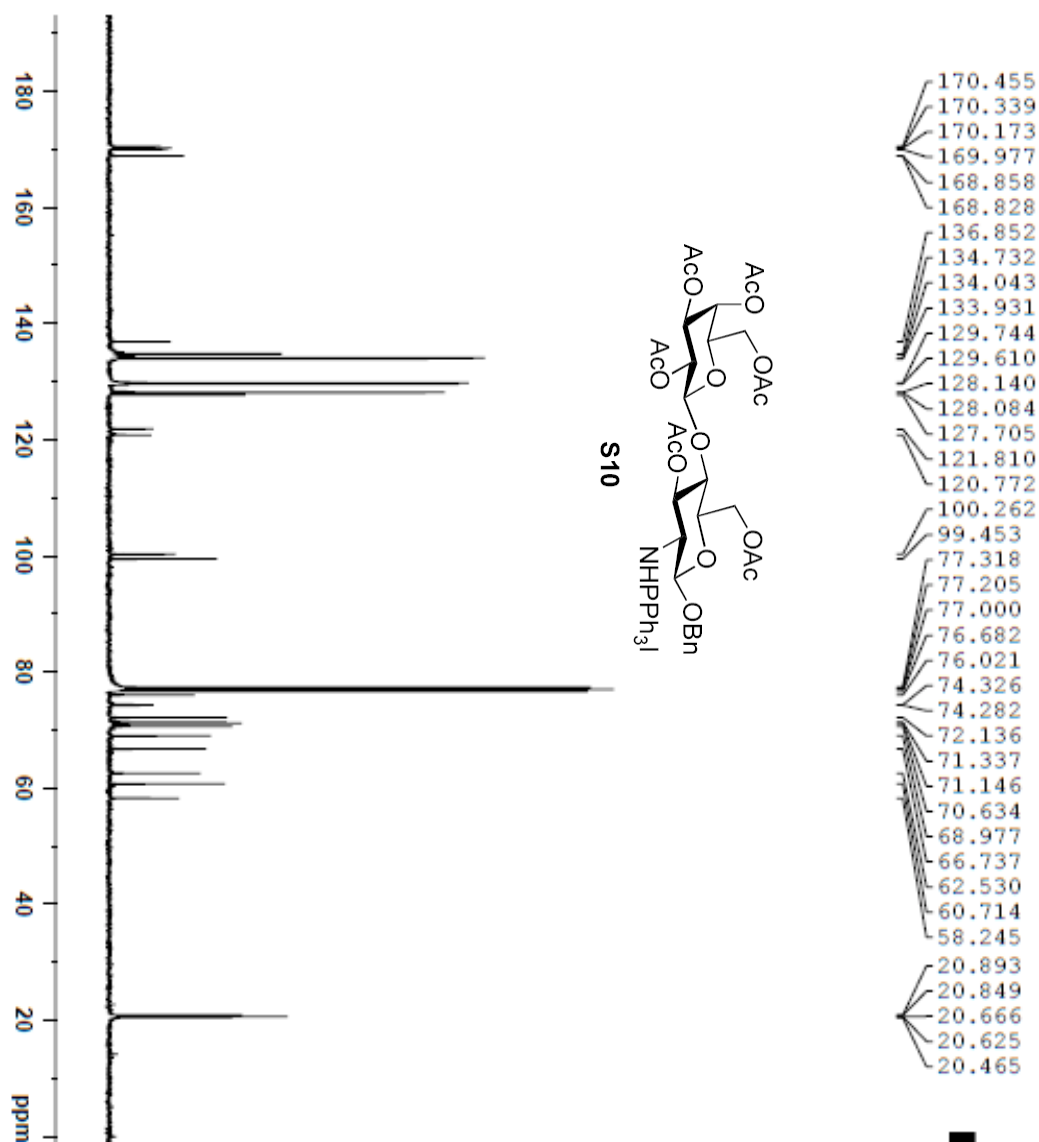
===== CHANNEL #2 =====
 CPDPRG2: waltz16
 NUC2: 1H
 P2: 80.00 usec
 PL2: -4.00 dB
 PL12: 12.90 dB
 SFO2: 400.132007 MHz
 SI: 32768
 SF: 100.612752 MHz
 WTM: EN
 SSB: 0
 TB: 1.00 Hz
 CB: 0
 PC: 1.40



BRUKER

NAME: FPII-1actose-Ph3-I-OBn
 EXPNO: 1
 PROCNO: 1
 DATE_: 20130808
 TIME: 8.32
 INSTRUM: av400
 PROBHD: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SFO: 400.136029
 SOLVENT: CDCl3
 NS: 100
 DS: 0
 SWH: 8012.820 Hz
 FIDRES: 0.244532 Hz
 AQ: 2.044731 sec
 RG: 181
 CW: 62.400 uWsec
 DE: 294.4 K
 TE: 6.00 uWsec
 D1: 1.00000000 sec
 DCREST: 0.00000000 sec
 ACQTIME: 0.01500000 sec

===== CHANNEL f1 =====
 NUC1: 13C
 P1: 13.40 uWsec
 PL1: -4.00 dB
 SFO1: 400.136007 MHz
 SI: 32768
 SF: 400.136029 MHz
 WIDW: 8K
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00



BRUKER

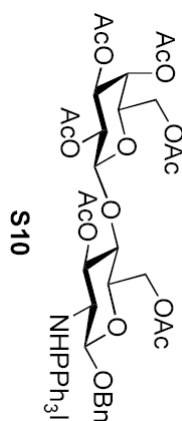
PP-11-1-162046217-CH-PP13-41-1.3C

NAME: PP-11-1-162046217-CH-PP13-41-1.3C
EXPNO: 1
PROCNO: 1
DATE_: 20130804
TIME: 12.22.32
INSTRUM: spect
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 32768
SOLVENT: CDCl3
CLOCK: 102.91
NUC1: 13C
NUC2: 1H
F1: 101.254588 MHz
F2: 400.146000 MHz
WDW: EM
SSB: 0
LB: 3.00 Hz
GB: 0
PC: 1.40

===== CHANNEL f1 =====
NUC1: 13C
P1: 12.00
PL1: 0.00
SFO1: 100.628164 MHz

===== CHANNEL f2 =====
CHRGD: 40
NAME: 1H
NUC2: 1H
P2: 60.00
PL2: 0.00
SFO2: 400.146000 MHz
WDW: EM
SSB: 0
LB: 3.00 Hz
GB: 0
PC: 1.40

40.395

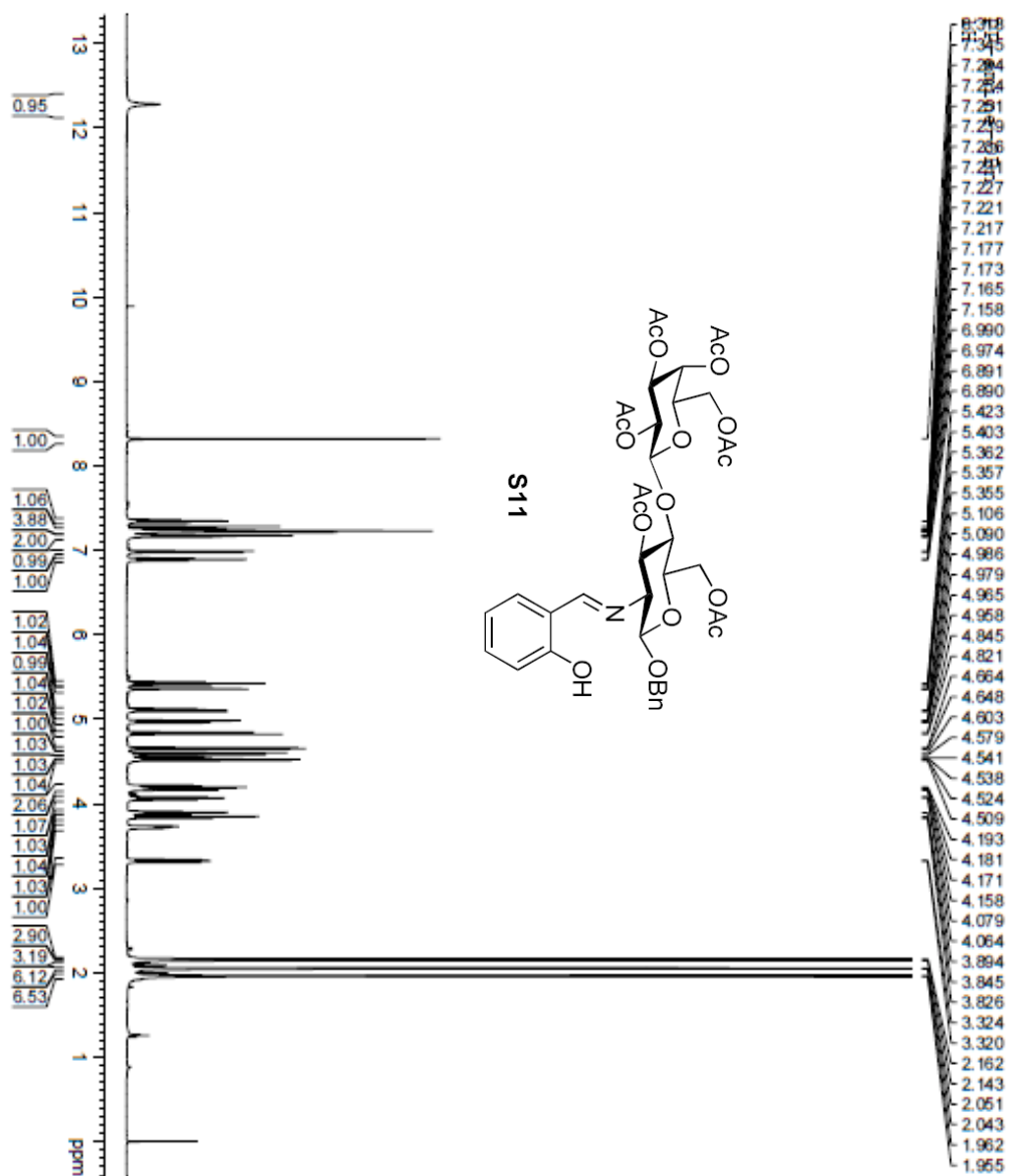


NAME: PP-11-1-methoxy-2-OAc-PPH3-P21
EXPNO: 1
PROCNO: 1
Date_: 20110908
Time: 23.20
INSTRUM: spect
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 32768
F2: 125.76
SOLVENT: CDCl3
NS: 32
DS: 2
SWH: 64325.066 Hz
F1: 101.625 MHz
F2: 125.761 MHz
AQ: 0.2524626 sec
RG: 320.00
DW: 7.700 usec
DE: 6.00 usec
TE: 298.2 K
NUC1: 13C
NUC2: 1H
PC: 0.0000000 sec
MCBET: 0.0000000 sec
MCBPC: 0.0100000 sec

===== CHANNEL f1 =====
NUC1: 13C
P1: 10.00 usec
PL1: -0.00 dB
SFO1: 125.761 MHz

===== CHANNEL f2 =====
NAME: 1H
PCPD2: 80.00 usec
P1: 10.00 usec
PL1: -0.00 dB
PL12: 11.78 dB
SFO2: 400.1317250 MHz
S1: 32768
SFO1: 125.761 MHz
SFO2: 400.1317250 MHz
PC: 0.0000000 sec
MCBET: 0.0000000 sec
MCBPC: 0.0100000 sec

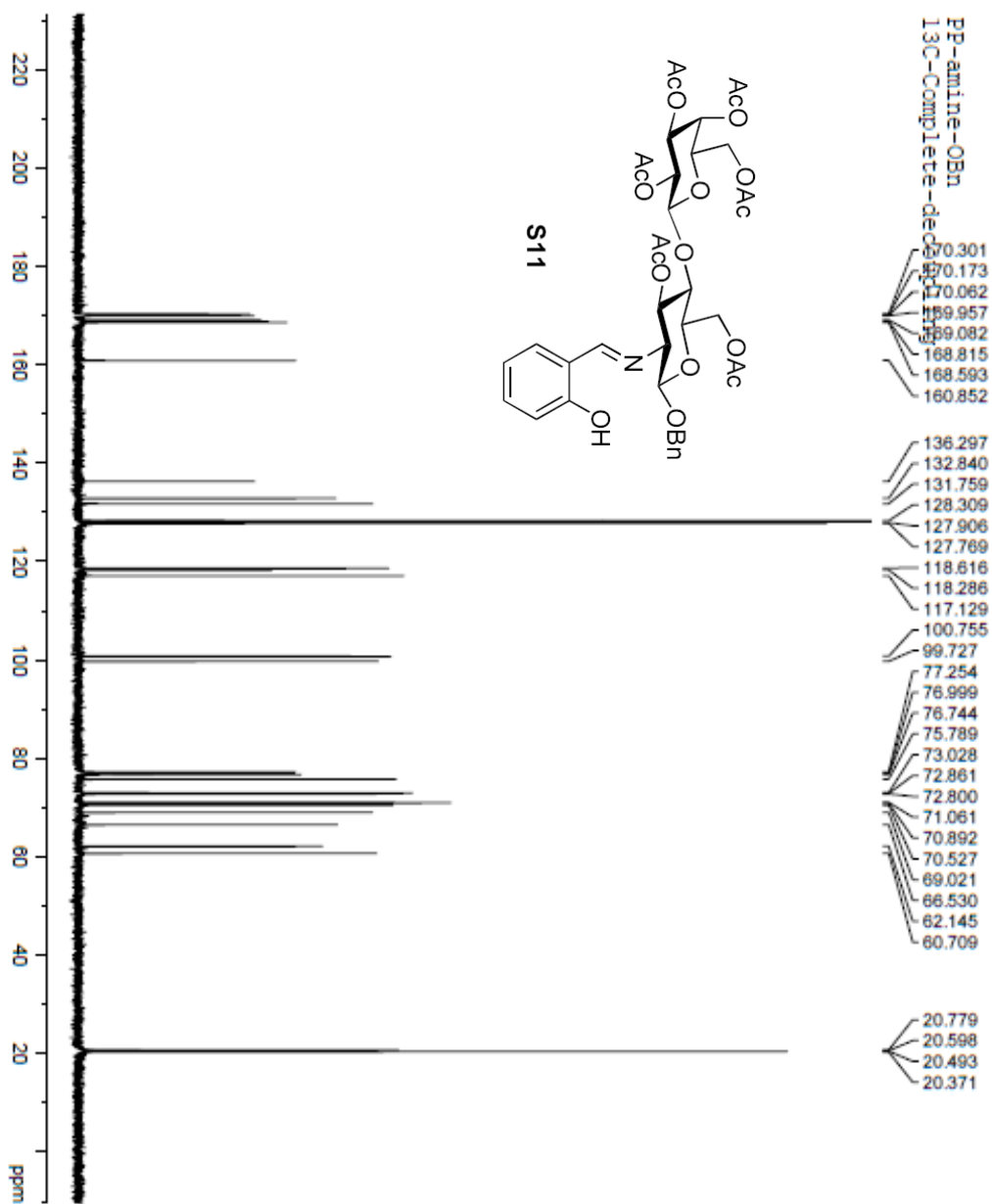
===== CHANNEL f3 =====
NAME: 1H
PCPD3: 80.00 usec
P1: 10.00 usec
PL1: -0.00 dB
PL12: 11.78 dB
SFO3: 400.1317250 MHz
S1: 32768
SFO1: 125.761 MHz
SFO2: 400.1317250 MHz
PC: 0.0000000 sec
MCBET: 0.0000000 sec
MCBPC: 0.0100000 sec



NAME: PF-maline-OBn
EXPNO: 1
PROCNO: 1
Date_: 20130410
Time: 16.04
INSTRUM: spect
PROBHD: BBO 5mm Z149/
PULPROG: zgpg30
TD: 32768
SOLVENT: CDCl3
NS: 8
DS: 1
SWH: 8992.806 Hz
FIDRES: 0.274439 Hz
AQ: 1.8219508 sec
RG: 57
DM: 55.600 usec
DE: 6.00 usec
TE: 298.6 K
D1: 1.00000000 sec
MCREST: 0.00000000 sec
MCNMR: 0.01500000 sec

===== CHANNEL f1 =====
NUC1: 1H
P1: 12.10 usec
PL1: -6.00 dB
SFO1: 500.133009 MHz
SI: 32768
SF: 500.1300002 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00



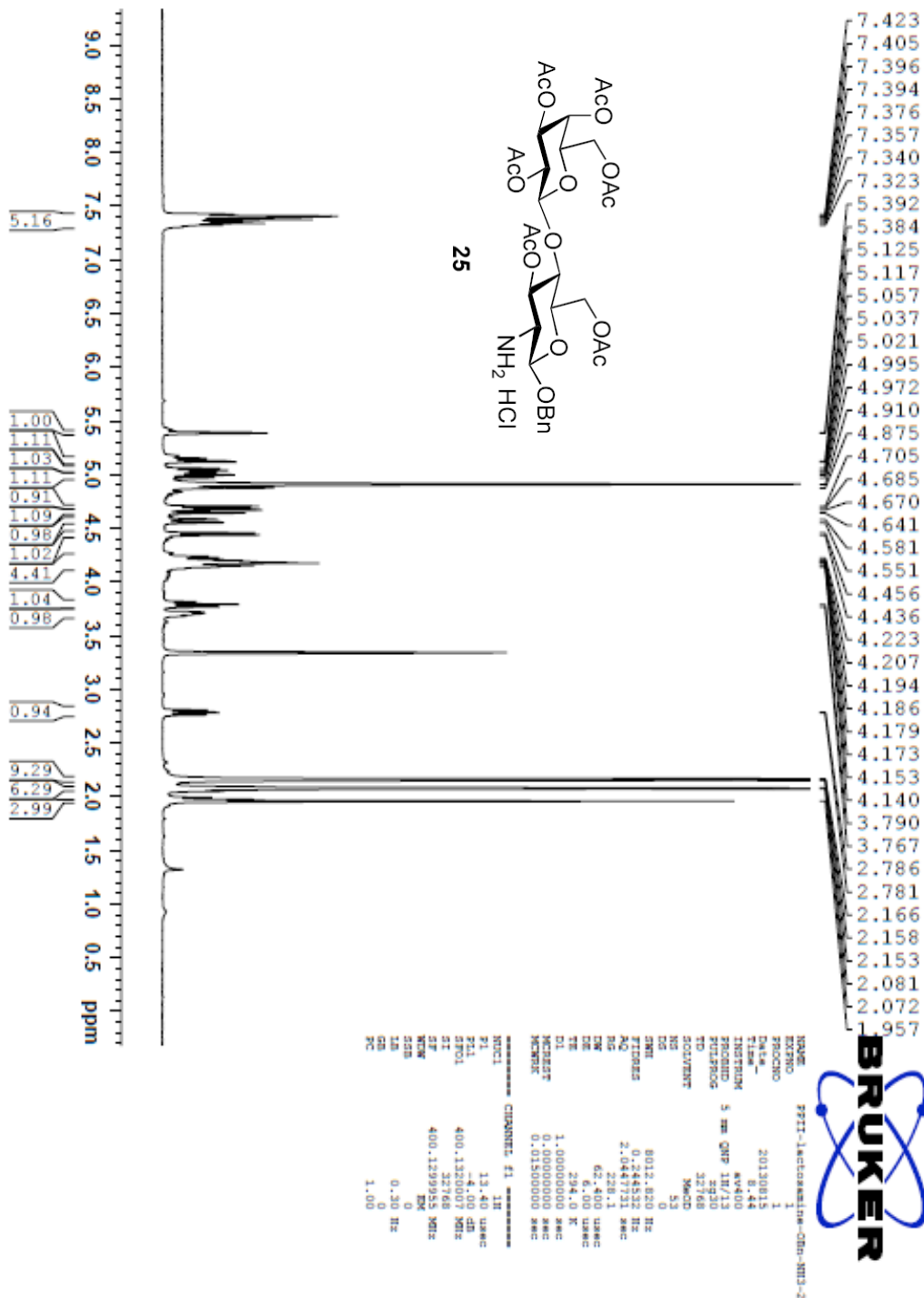


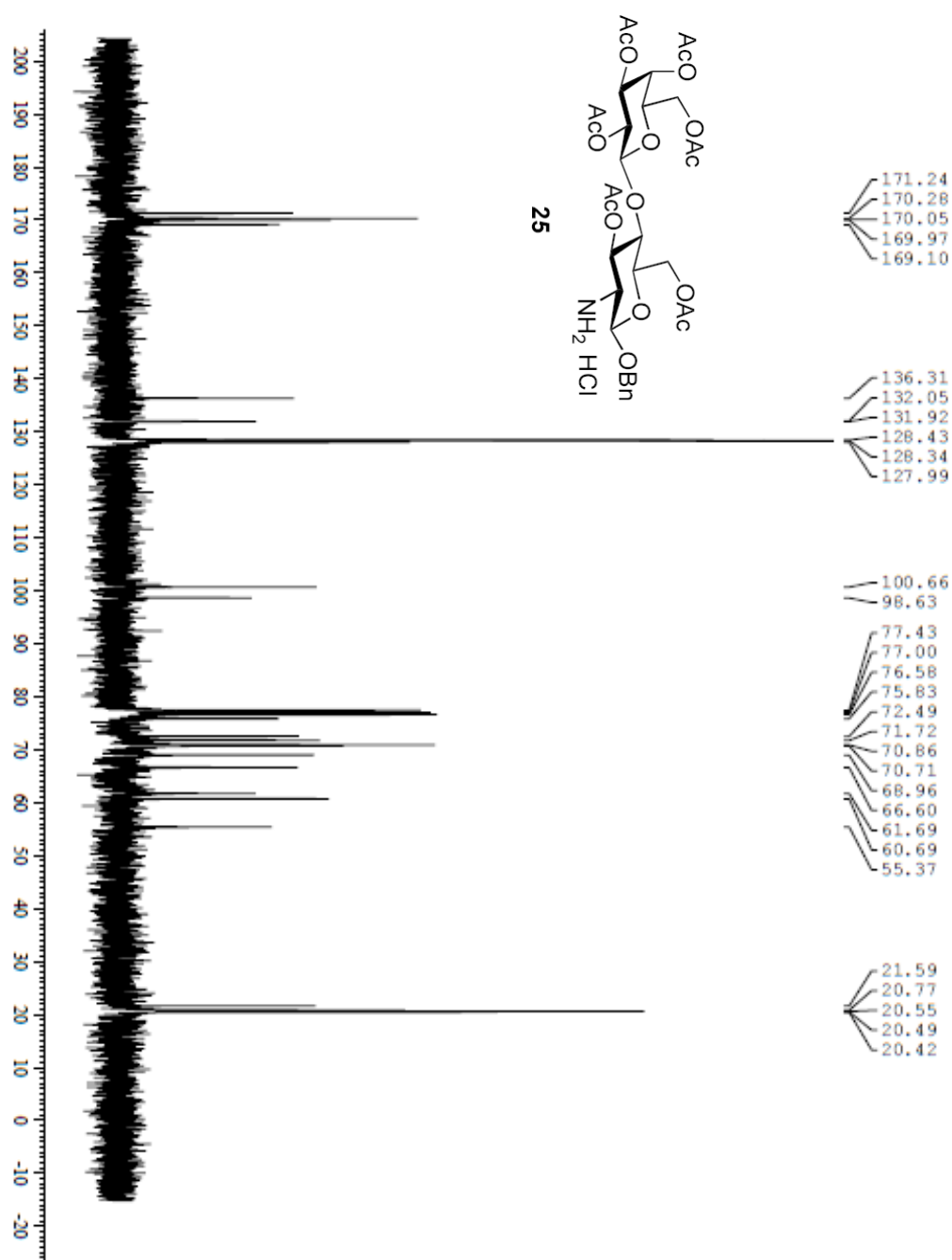
```

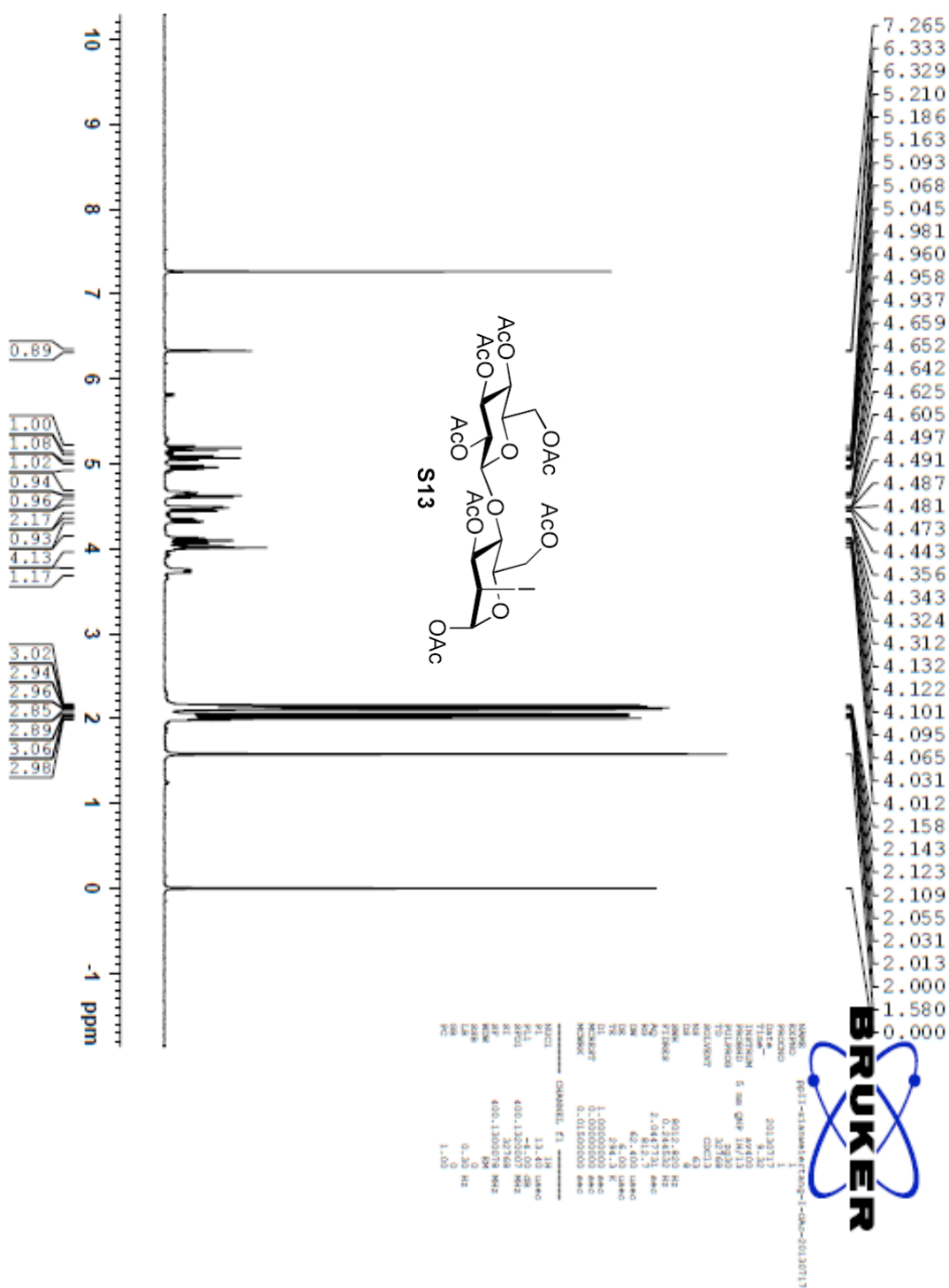
NAME      FP-amine-OBn
EXPNO     3
PROCNO    1
Date_     20130410
Time      16.09
INSTRUM   spect
PROBHD    EBO 5mm 20143/
PULPROG   zgpg30
TD         32768
SOLVENT    CDCl3
NS         112
DS         1
SWH        31446.541 Hz
FIDRES     0.359672 Hz
AQ         0.5210612 sec
RG         7298.2
DE         15.900
TE         299.2 K
D1         3.00000000 sec
d11        0.02000000 sec
MDEPRST   0.00000000 sec
MCWPRK     0.01500000 sec

===== CHANNEL f1 =====
NUC1       13C
P1         11.00 usec
PL1        -2.00 dB
SFO1       125.7715724 MHz

===== CHANNEL f2 =====
CPOPRG2    waltz16
NUC2        1H
PCPD2      100.00 usec
PL2         -6.00 dB
PL12        14.00 dB
SFO2       500.1312000 MHz
SI         32768
SF         125.7578056 MHz
WDW         EM
SSB         0
LB          1.20 Hz
GB          0
PC          1.00
  
```



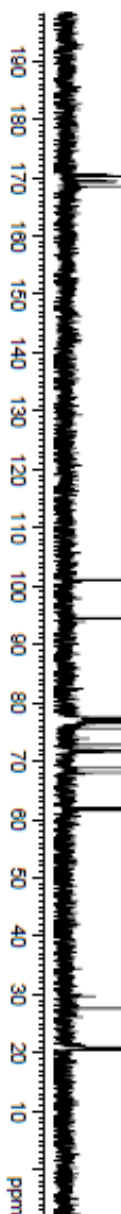
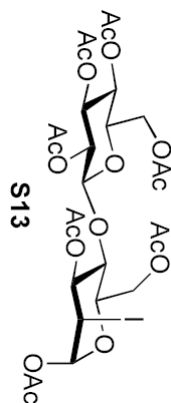




170.5311
170.3764
170.1601
169.4998
169.3506
169.2375
168.4327

101.0555
94.4932
77.4239
77.0004
76.5764
75.5912
72.8115
71.8559
71.5581
68.8389
68.0080
61.9593
61.5775

27.6399
20.8732
20.8129
20.7360
20.6592
20.5313

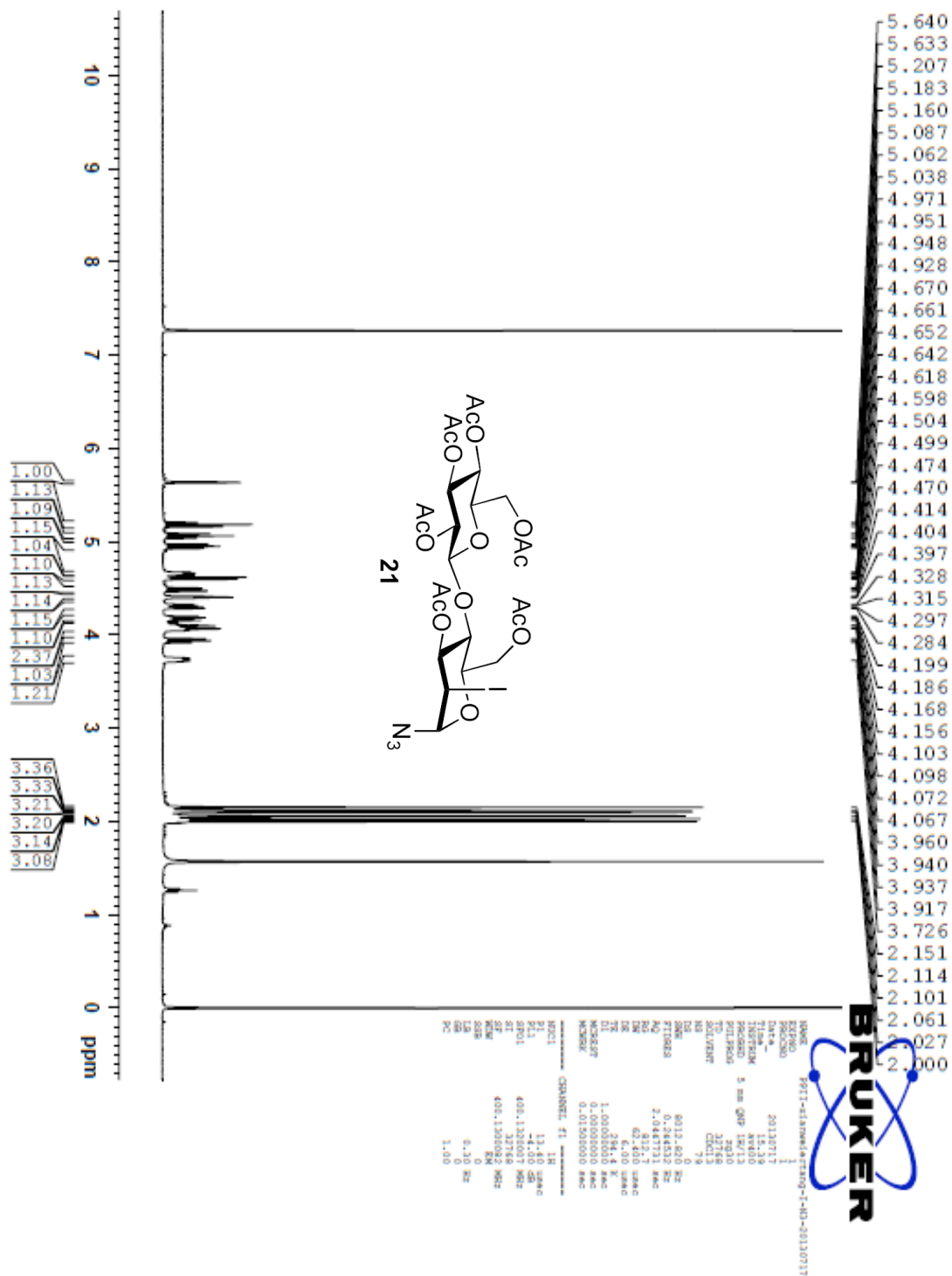


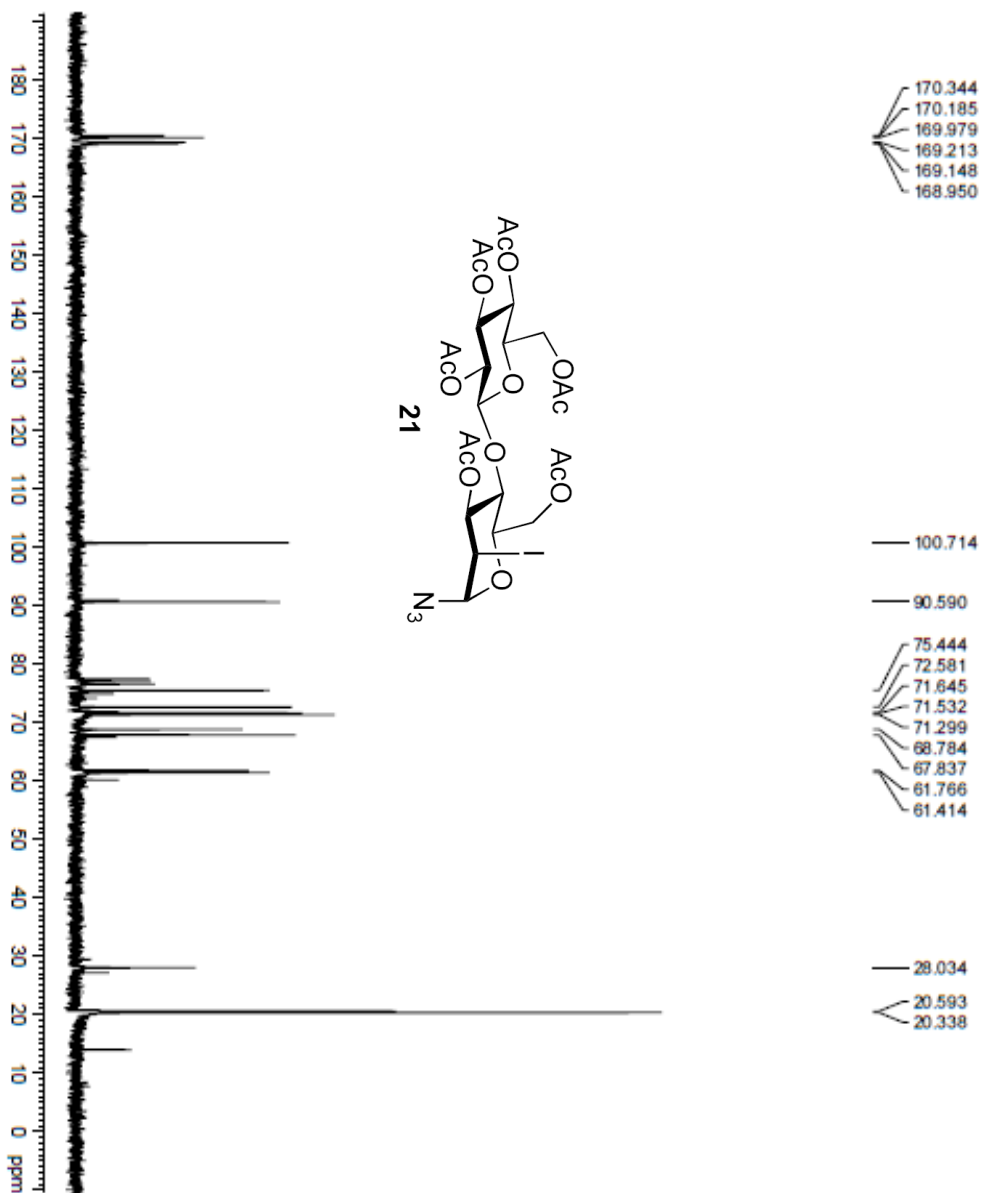
NAME P111-silmonifening-1-OAc-13C
EXPNO 1
PROCNO 1
Date_ 20130717
Time 19.00
INSTRUM spect
PROBHD 5mm BBO-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 398
DS 1
SWH 16356.291 MHz
FIDRES 0.150238 MHz
AQ 0.1819316 sec
RG 327.5
IN 30.200 umax
DE 6.00 umax
TE 0.0 K
T2 2.50000000 sec
d11 0.03000000 sec

===== CHANNEL #1 13C =====
NUC1 13C
P1 5.80 umax
PL1 -6.00 dB
SFO1 75.474884 MHz

===== CHANNEL #2 1H =====
NAME P111-silmonifening-1-OAc-13C
EXPNO 1
PROCNO 1
Date_ 20130717
Time 19.00
INSTRUM spect
PROBHD 5mm BBO-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 398
DS 1
SWH 16356.291 MHz
FIDRES 0.150238 MHz
AQ 0.1819316 sec
RG 327.5
IN 30.200 umax
DE 6.00 umax
TE 0.0 K
T2 2.50000000 sec
d11 0.03000000 sec

===== CHANNEL #3 1H =====
NAME P111-silmonifening-1-OAc-13C
EXPNO 1
PROCNO 1
Date_ 20130717
Time 19.00
INSTRUM spect
PROBHD 5mm BBO-1H
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 398
DS 1
SWH 16356.291 MHz
FIDRES 0.150238 MHz
AQ 0.1819316 sec
RG 327.5
IN 30.200 umax
DE 6.00 umax
TE 0.0 K
T2 2.50000000 sec
d11 0.03000000 sec

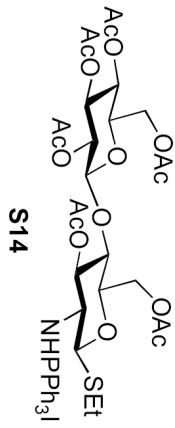


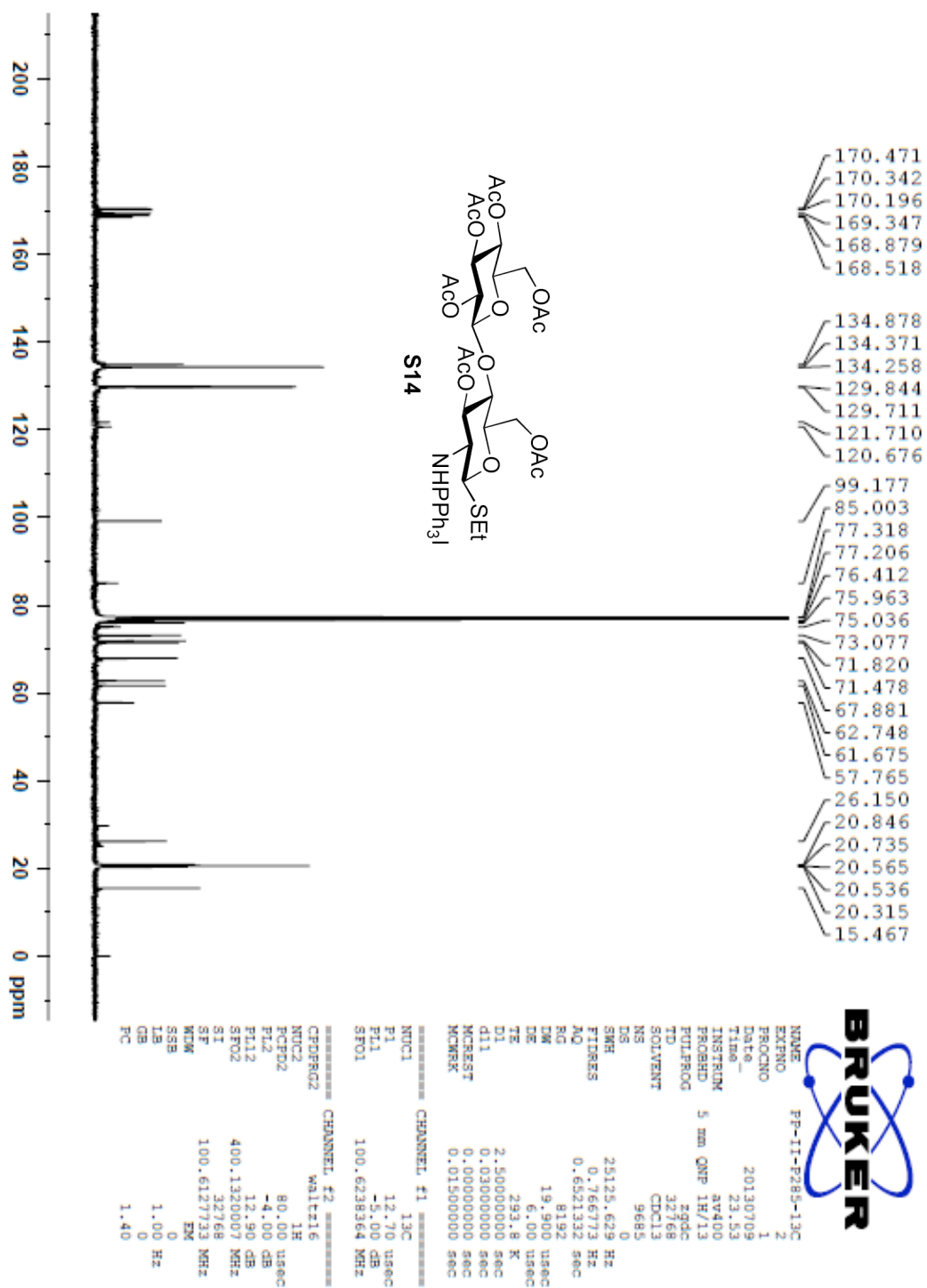


NAME PPII-281-13C
EXPNO 1
PROCNO 1
Date_ 20130703
Time_ 20.52
INSTRUM spect
PROBHD DUL 5mm 25934
PULPROG zgpg
TD 32768
F2 74
SOLVENT CDCl₃
NS 74
DS 1
SWH 16556.291 Hz
FIDRES 0.505218 Hz
AQ 0.9896436 sec
RG 11585.2
DM 30.200 usec
DE 6.00 usec
TE 0.0 K
D1 2.50000000 sec
d11 0.03000000 sec

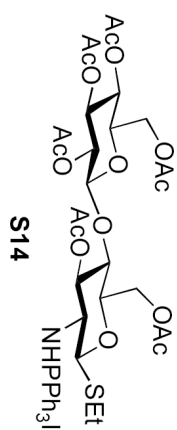
===== CHANNEL f1 =====
NUC1 13C
P1 5.80 usec
PI1 -6.00 dB
SFO1 75.474884 MHz

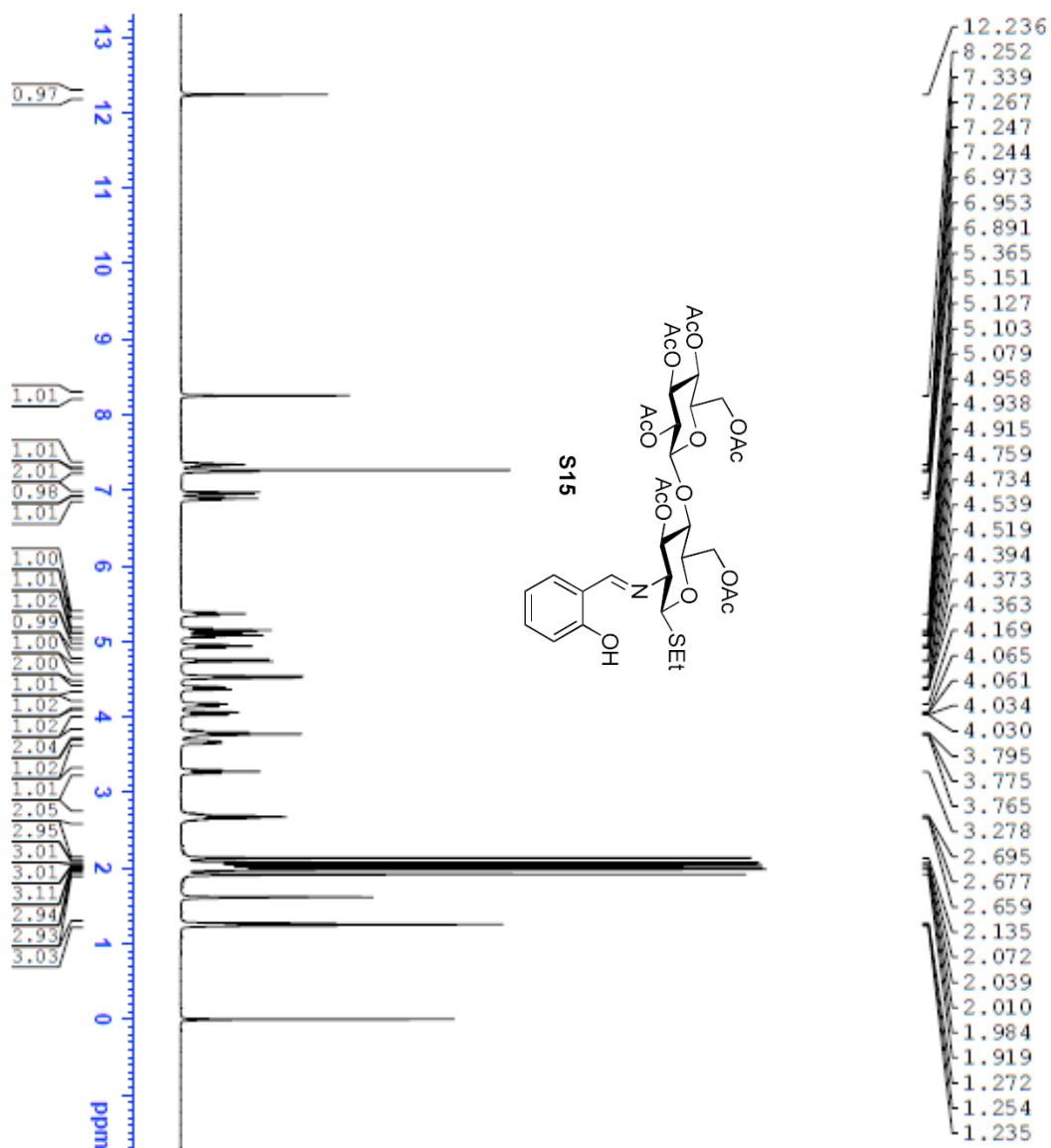
===== CHANNEL f2 =====
CPCPD2 waltz16
NUC2 1H
PCPD2 100.00 usec
PL2 120.00 dB
PL12 18.00 dB
SFO2 300.1312005 MHz
SI 32768
SF 75.4677593 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

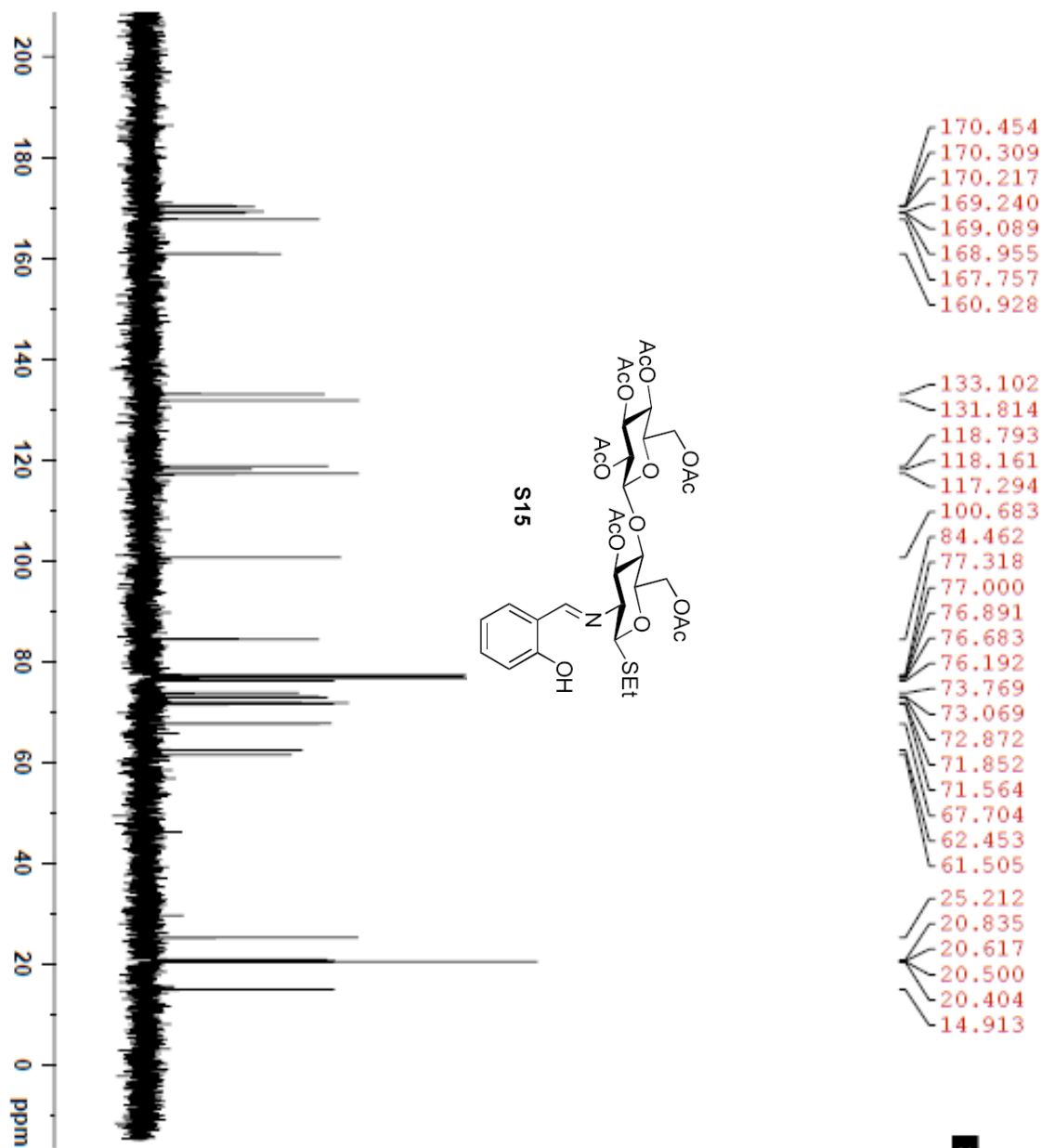




39.75







- 170.454
- 170.309
- 170.217
- 169.240
- 169.089
- 168.955
- 167.757
- 160.928
- 133.102
- 131.814
- 118.793
- 118.161
- 117.294
- 100.683
- 84.462
- 77.318
- 77.000
- 76.891
- 76.683
- 76.192
- 73.769
- 73.069
- 72.872
- 71.852
- 71.564
- 67.704
- 62.453
- 61.505
- 25.212
- 20.835
- 20.617
- 20.500
- 20.404
- 14.913

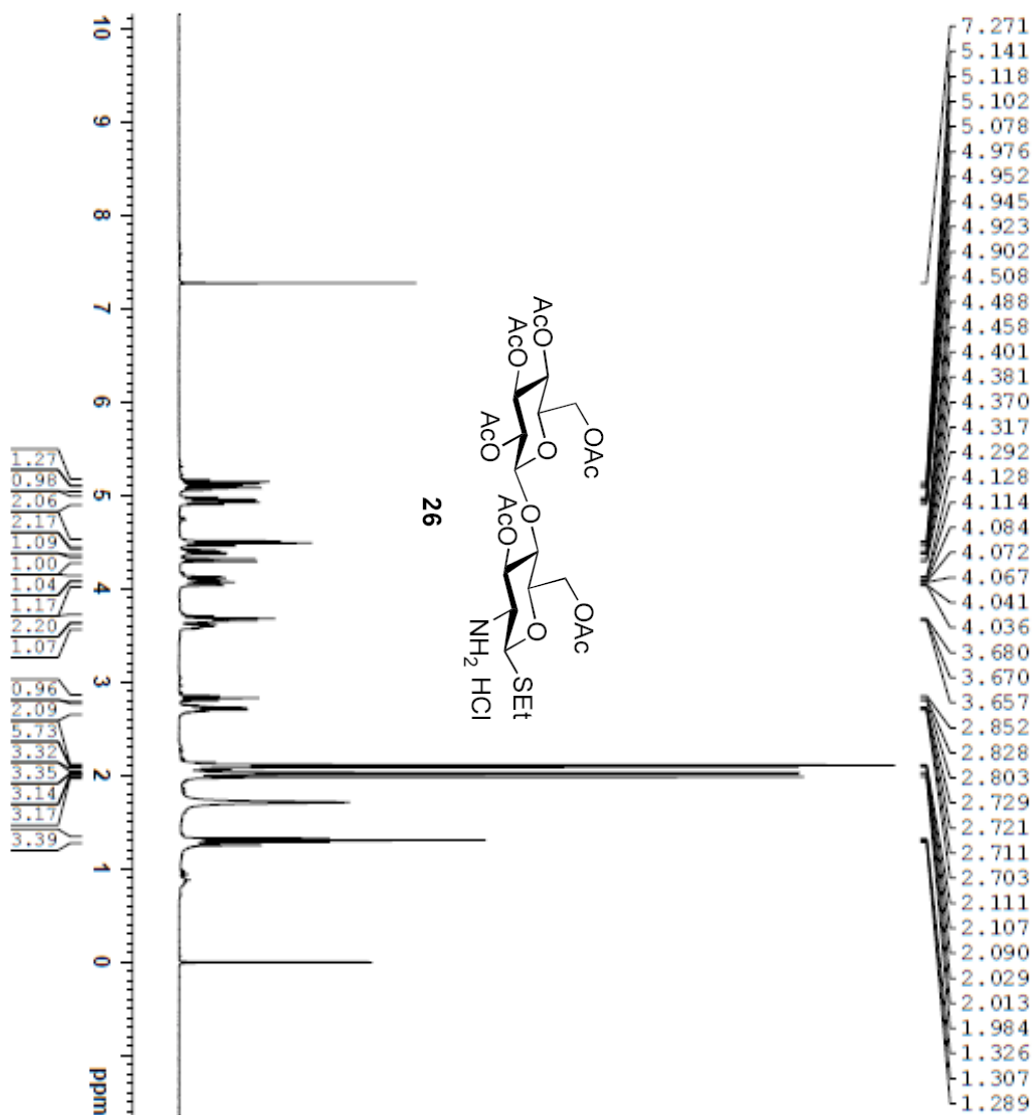


```

NAME 7F11-24400000000000000000-13C
EXPNO 1
PROCNO 1
Date_ 20130707
Time 20.07
INSTRUM av400
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 99
DS 0
SWH 25132.629 Hz
FIDRES 0.136613 Hz
AQ 0.6421337 sec
RG 3160.6
DW 19.900 usec
DE 6.00 usec
TE 293.8 K
D1 2.50000000 sec
d11 0.03000000 sec
MCKEY 0.00000000 sec
MCKEY 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 12.00 usec
PL1 0.00 dB
SFO1 100.6283664 MHz

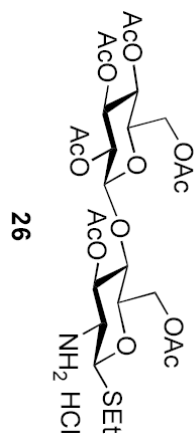
===== CHANNEL f2 =====
NAME16
NUC2 1H
PCPD2 80.00 usec
PL2 -4.00 dB
PL12 12.90 dB
SFO2 400.1320007 MHz
SI 32768
SF 100.6127752 MHz
WDW EM
SSB 0
GB 0
PC 1.40
  
```

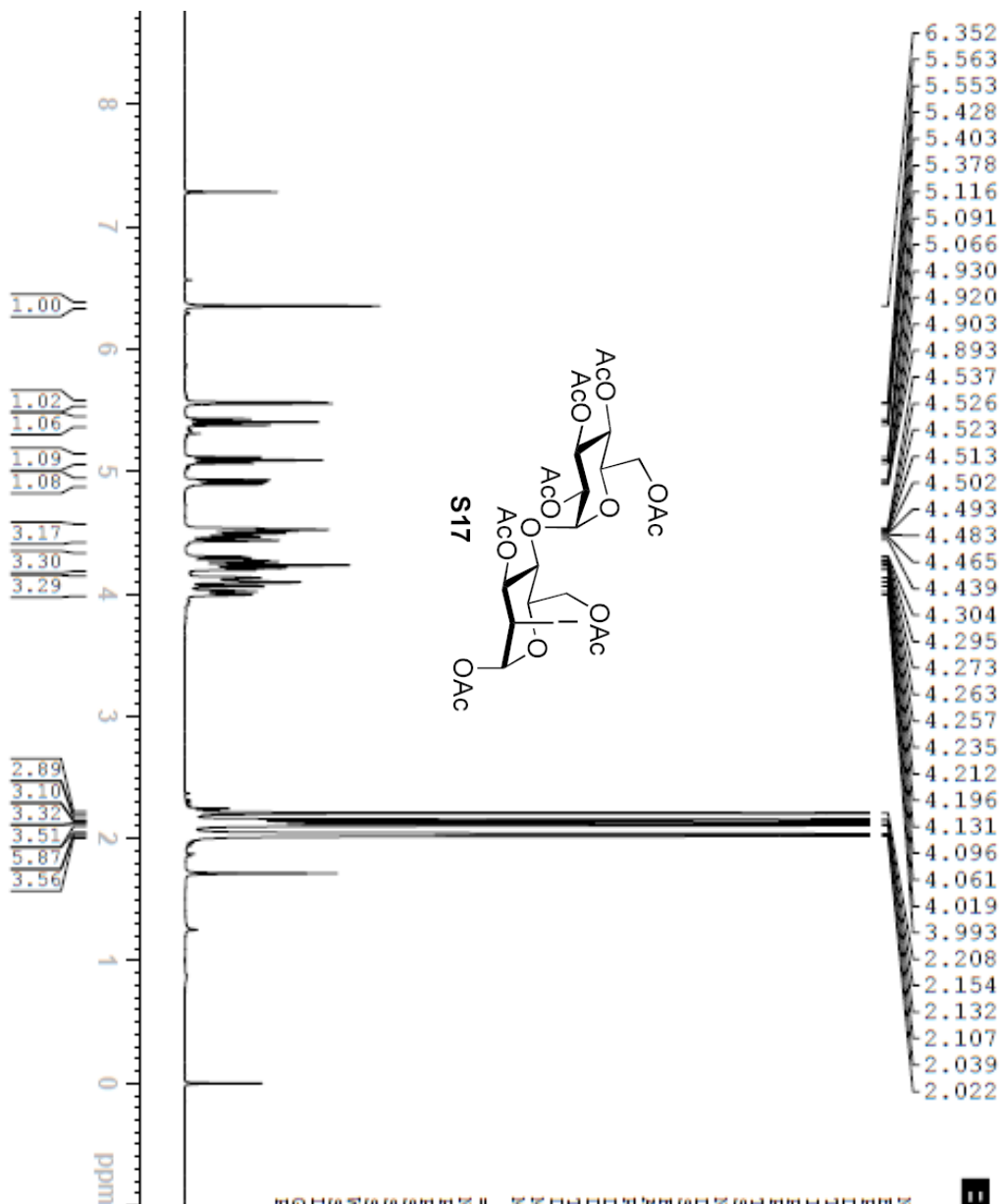


BRUKER

NAME: PPI-Klammfettung-NH3
 EXPNO: 1
 PROCNO: 1
 Date_: 2010730
 Time: 22.54
 INSTRUM: av400
 PROBHD: 5 mm QNP 1H/13
 PULPROG: zg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 79
 DS: 8
 SWH: 8012.820 Hz
 FIDRES: 0.144525 Hz
 AQ: 2.044111 sec
 SFO: 400.1300007 MHz
 SF: 62.400 MHz
 F2: 5.00 MHz
 TR: 294.9 K
 D1: 1.00000000 sec
 MCHEST: 0.00000000 sec
 MCMK: 0.01500000 sec

===== CHANNEL f1 =====
 NUCL1: 1H
 P1: 13.40 usec
 PL1: -4.00 dB
 SFO1: 400.1300007 MHz
 SI: 32768
 SF: 400.1300056 MHz
 KW: 0
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00



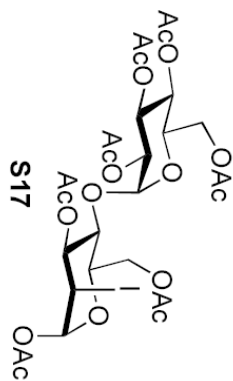


NAME: LR-2605NR-H
 EXPRNO: 1
 PROCNO: 1
 Date_: 20140110
 Time: 9.02
 INSTRUM: av400
 PROBRD: 5 mm QNP 1H/13
 F1PR0G: zg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 20
 DS: 0
 SWH: 5995.204 Hz
 FIDRES: 0.182959 Hz
 AQ: 2.7329011 sec
 RG: 128
 DW: 83.400 usec
 DE: 6.00 usec
 TE: 296.0 K
 D1: 1.00000000 sec
 MEPRST: 0.00000000 sec
 MCPRK: 0.01500000 sec

===== CHANNEL f1 =====
 NUC1: 1H
 P1: 13.60 usec
 PL1: 0.00 dB
 SE01: 400.132007 MHz
 S1: 32768
 SF: 400.1300000 MHz
 WDW: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00



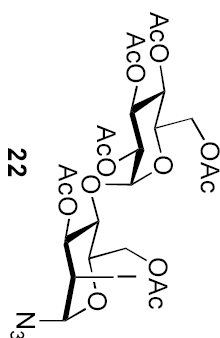
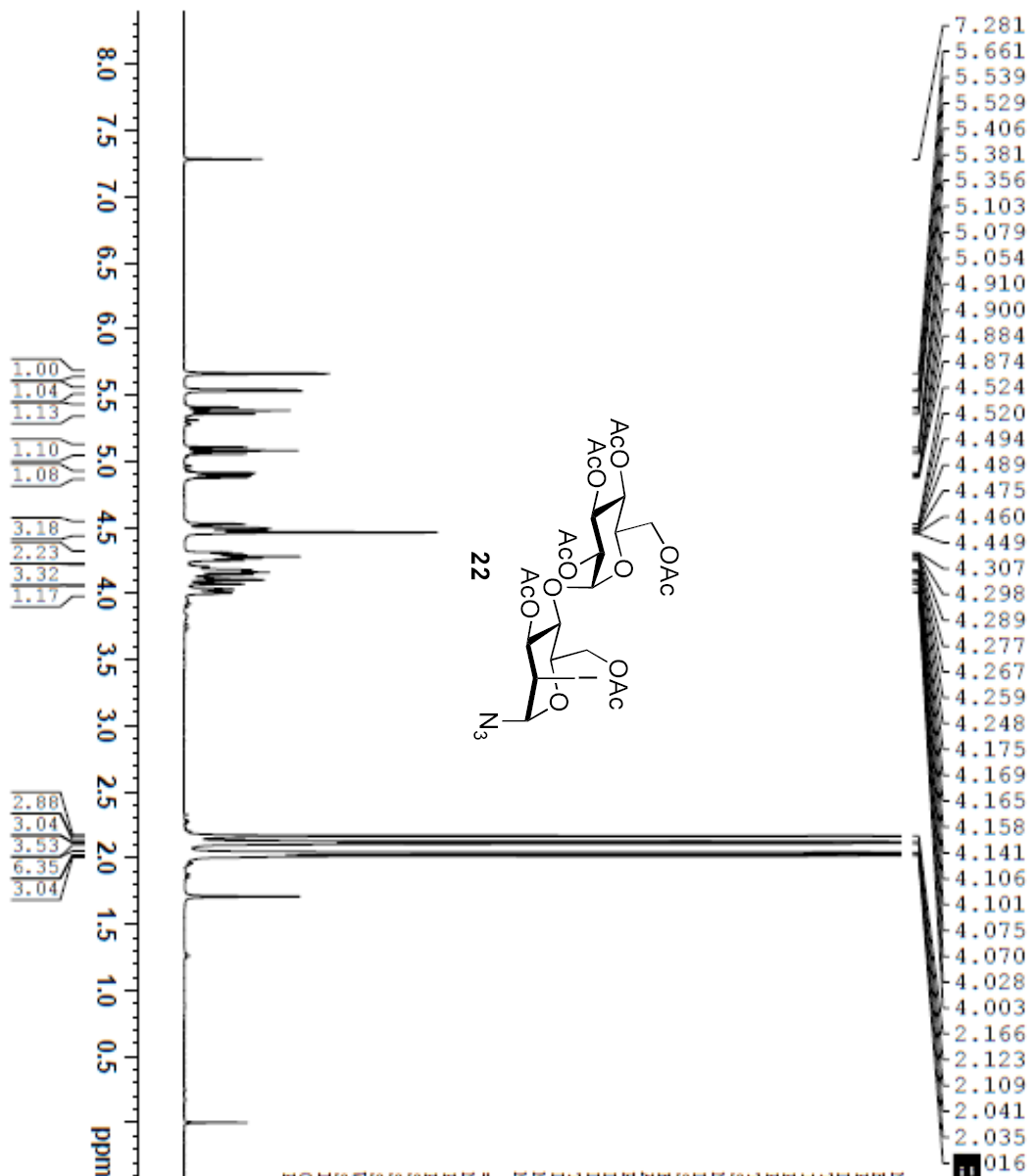
- 170.452
170.050
170.018
169.809
169.328
168.291
- 95.908
94.171
77.318
77.000
76.682
71.763
71.733
71.295
70.104
69.345
68.510
67.781
62.490
61.275
26.868
21.104
20.868
20.715
20.599
20.557
20.507
20.457



NAME: LH-2605New-C
EXPNO: 1
PROCNO: 1
Date_: 20140109
Time: 23.42
INSTRUM: av400
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 32768
FIDRES: 0.09204 Hz
SOLVENT: CDCl3
NS: 92
DS: 0
SWH: 30120.482 Hz
FIDRES: 0.919204 Hz
AQ: 0.5439988 sec
RG: 16384
RG: 16384
DE: 16.600 usec
TE: 296.4 K
D1: 2.50000000 sec
d11: 0.03000000 sec
MREPS1: 0.00000000 sec
MREPS2: 0.01500000 sec
MREPS3: 0.01500000 sec

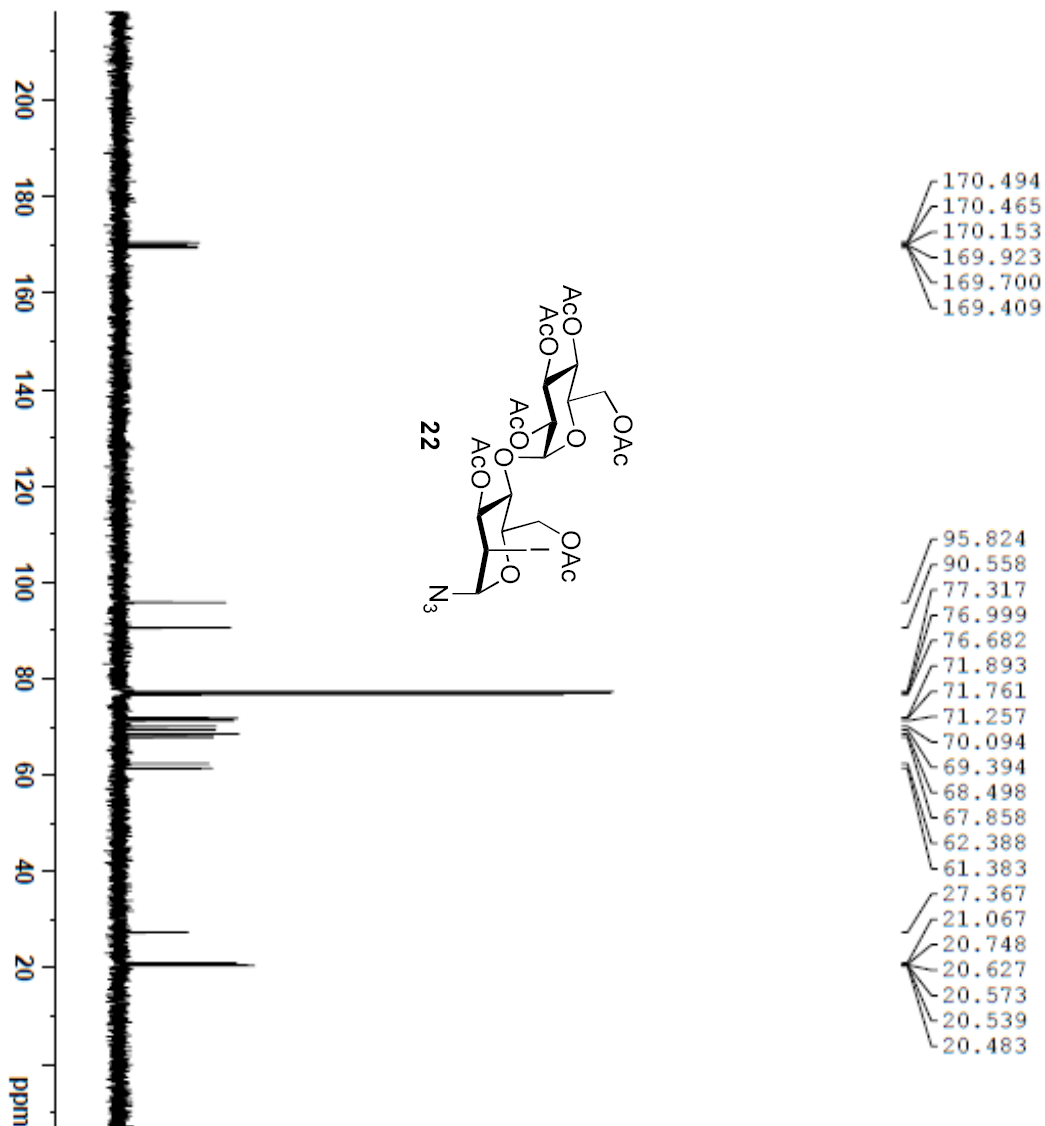
===== CHANNEL #1 =====
NUC1: 13C
P1: 6.50 usec
PL1: -3.00 dB
SFO1: 100.6287664 MHz

===== CHANNEL #2 =====
CDEPRG2: waltz16
NUC2: 1H
PCPD2: 80.00 usec
PL2: -4.00 dB
PL12: 14.00 dB
SFO2: 400.1460007 MHz
SI: 32768
SF: 100.612756 MHz
WDW: EM
SSB: 0
LB: 1.00 Hz
GB: 0
PC: 1.40



NAME IN-2610C-H
EXNO 1
PROCNO 1
Date 20140114
Time 23:26
INSTRUM av400
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 20
DS 0
SWH 5995.204 Hz
FIDRES 0.18289 Hz
AQ 2.7329011 sec
RG 128
TM 83.400 msec
DE 6.00 msec
TE 298.2 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MTEBK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 13.60 usec
PL -4.00 dB
SFO1 400.1320007 MHz
SI 32768
SF 400.1300008 MHz
WDW EM
SSB 0
GB 0
PC 1.00

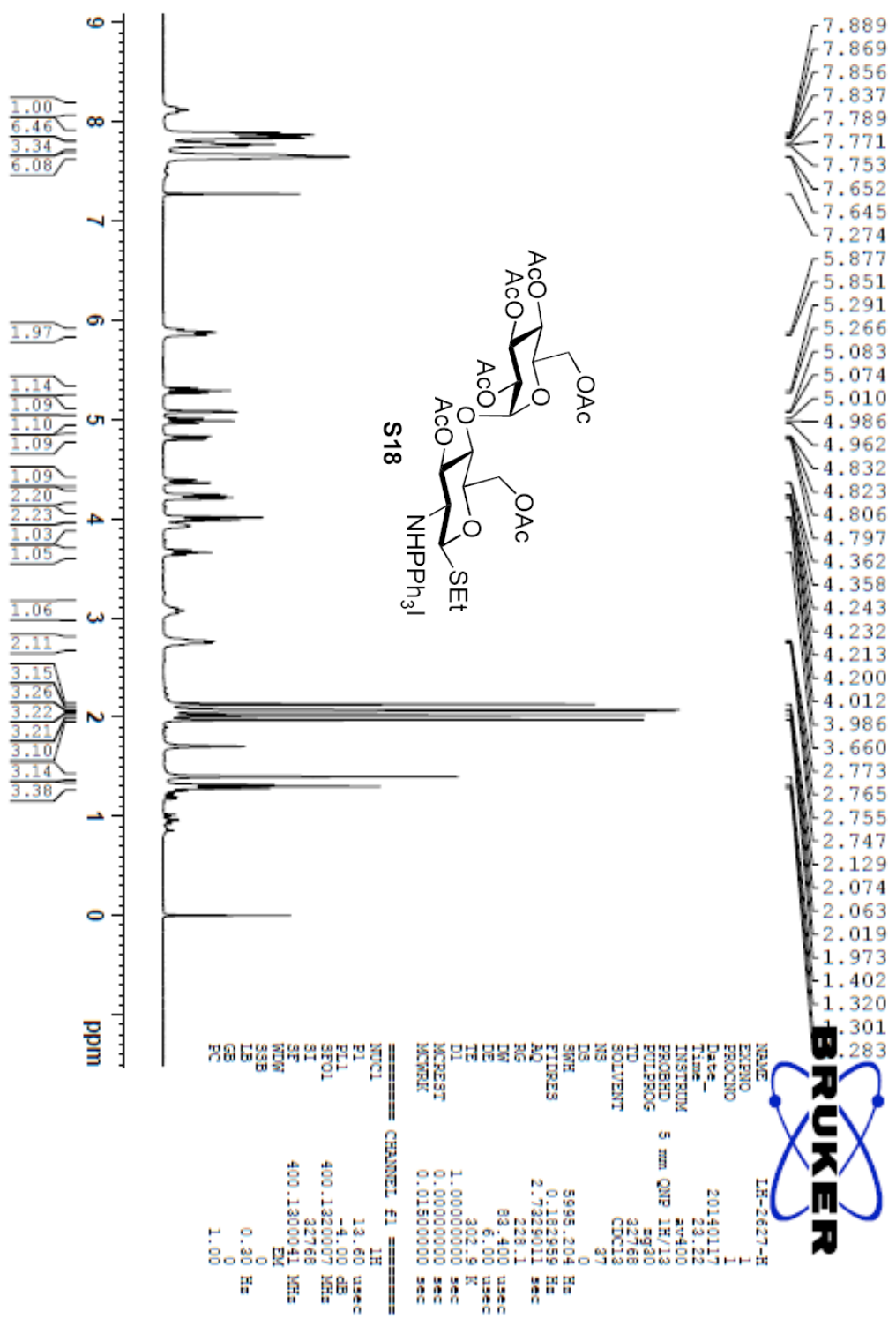


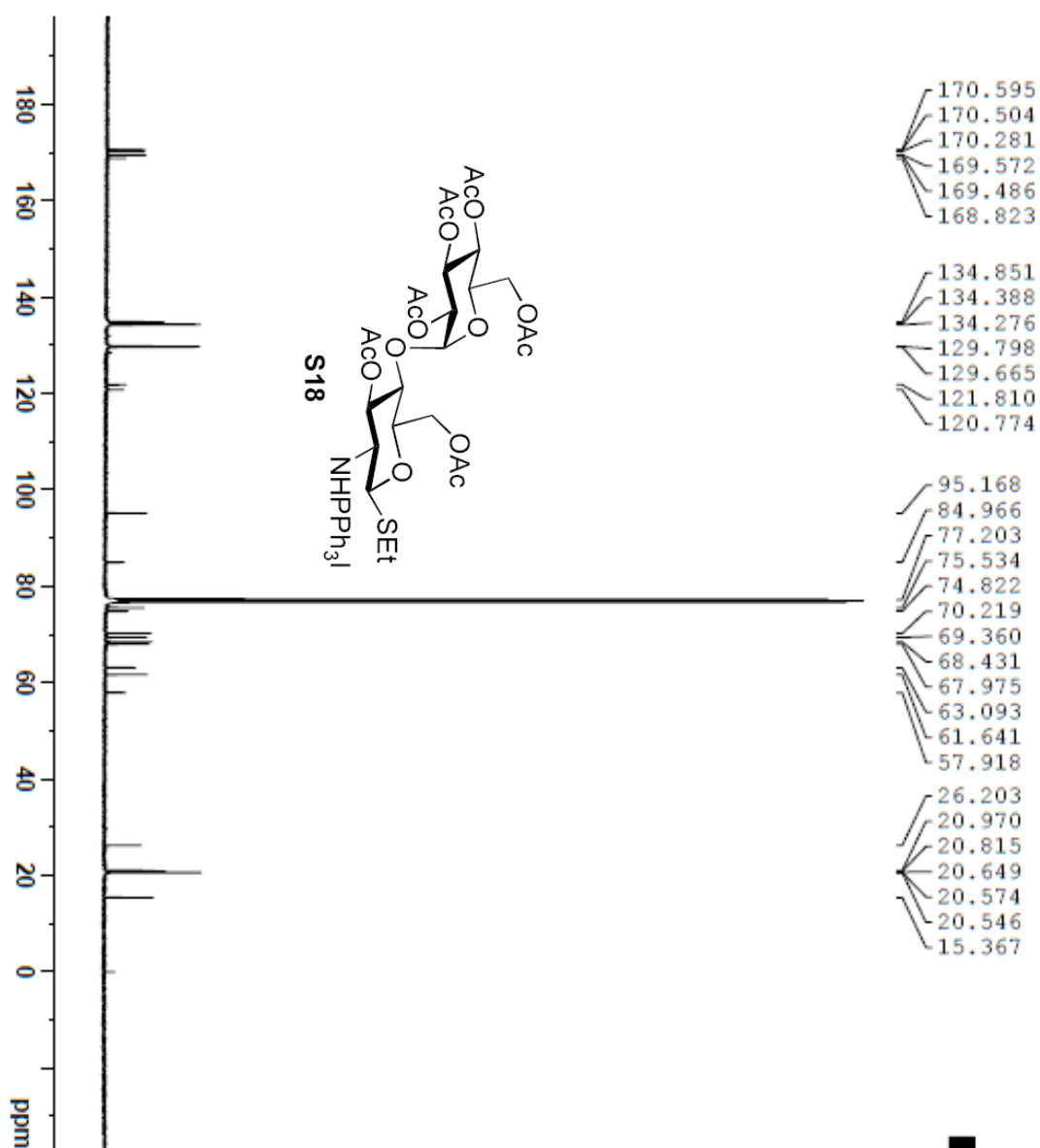
BRUKER

NAME: LR-2610C-C
 EXPNO: 1
 PROCNO: 1
 Date_: 20140114
 Time: 23.29
 INSTRUM: av400
 PROBRD: 5 mm QNP 1H/13
 F1PR0G: zgpg30
 TD: 32768
 SFO1: 125.76
 SOLVENT: CDCl3
 NS: 113
 DS: 0
 SWH: 30120.482 Hz
 FIDRES: 0.919204 Hz
 AQ: 0.549988 sec
 RG: 16384
 IN: 16.600
 TE: 295.2 K
 DE: 20.00 usec
 DI: 2.5000000 sec
 d11: 0.03000000 sec
 MCPRST: 0.00000000 sec
 MCWPR: 0.01500000 sec

===== CHANNEL f1 =====
 NUCL: 13C
 P1: 6.50 usec
 PL1: -3.00 dB
 SFO1: 100.6287964 MHz

===== CHANNEL f2 =====
 CEPRG2: waltz16
 NUCL: 1H
 PCPD2: 80.00 usec
 PL2: -4.00 dB
 PL12: 14.00 dB
 SFO2: 400.1380007 MHz
 SI: 32768
 SF: 100.6127740 MHz
 WDW: EM
 SSB: 0
 LB: 1.00 Hz
 GB: 0
 PC: 1.40





BRUKER

NAME: LR-2627-C
 EXPNO: 1
 PROCNO: 1
 Date_: 20140117
 Time: 23.36
 INSTRUM: aw400
 PROBRD: 5 mm QNP 1H/13
 F2PRG2: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 10594
 DS: 0
 SWH: 30120.482 Hz
 FIDRES: 0.919204 Hz
 AQ: 0.543888 sec
 RG: 16384
 DW: 16.600 usec
 DE: 20.00 usec
 TE: 299.2 K
 D1: 2.50000000 sec
 d11: 0.03000000 sec
 MCREST: 0.00000000 sec
 MCWPR: 0.01500000 sec

===== CHANNEL f1 =====
 NUC1: 13C
 P1: 6.50 usec
 PL1: -3.00 dB
 SF01: 100.6237964 MHz

===== CHANNEL f2 =====
 CPDPRG2: waltz16
 NUC2: 1H
 P2: 80.00 usec
 PL2: -4.00 dB
 PL12: 14.00 dB
 SF02: 400.1380007 MHz
 S1: 32768
 SE: 100.612745 MHz
 MW: 0
 SSB: 0
 GB: 0
 PC: 1.40

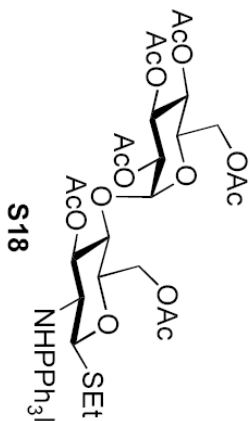
— 40.277

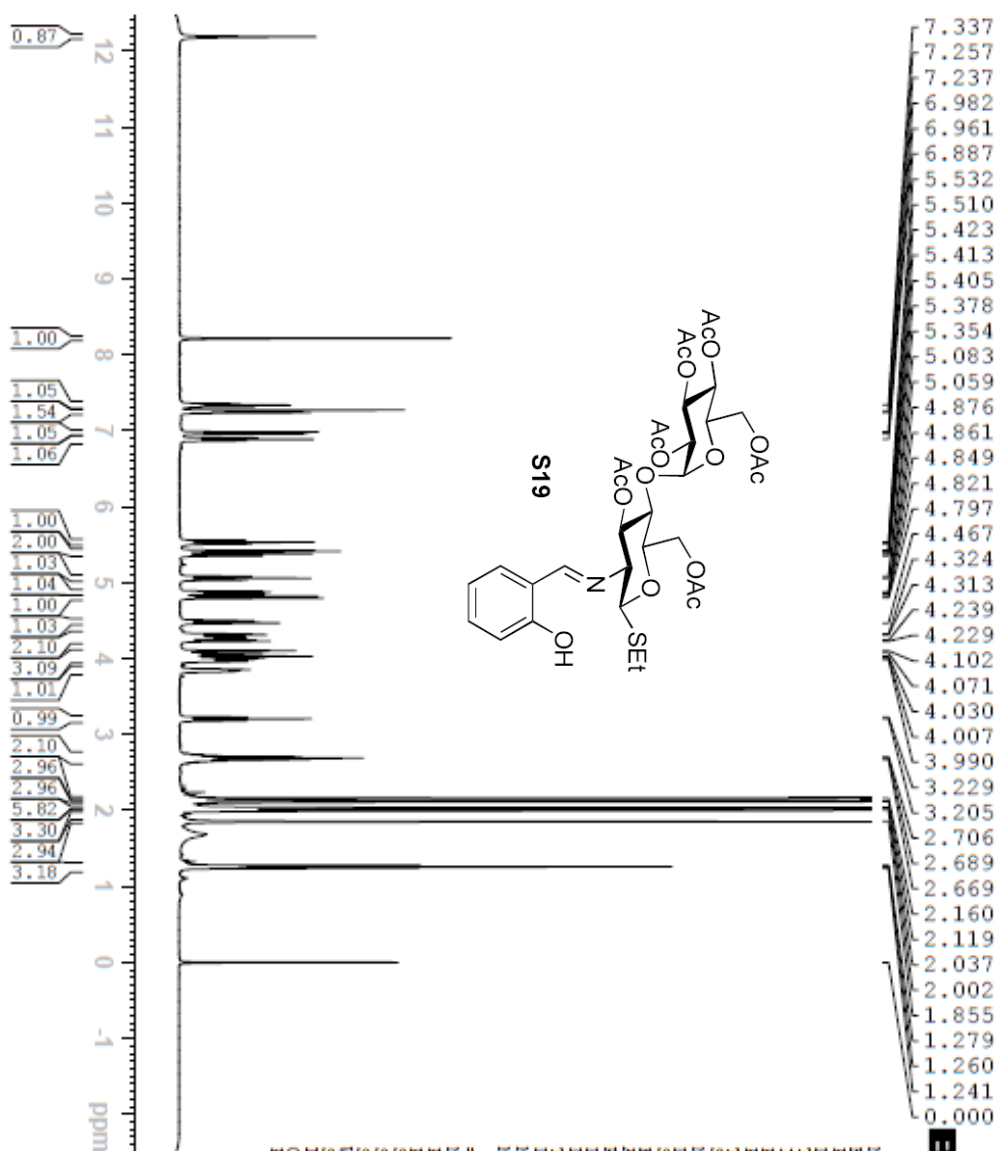


NAME LR-2627-P
 EXPNO 1
 PROCNO 1
 Date_ 20140117
 Time 23.26
 INSTRUM av400
 PROBRD 5 mm QNP 1H/13
 PULPROG zgpg30
 TD 32768
 SOLVENT CDCl3
 NS 26
 DS 0
 SWH 64935.066 Hz
 FIDRES 1.81161 Hz
 AQ 0.2523636 sec
 RG 4897.6
 TM 7.700
 DE 6.00 usec
 TE 301.3 K
 D1 2.00000000 sec
 d11 0.03000000 sec
 MCREST 0.00000000 sec
 MCNMR 0.01500000 sec

===== CHANNEL f1 =====
 NUCL 31P
 P1 10.80 usec
 PL1 -5.00 dB
 SFO1 161.9755730 MHz

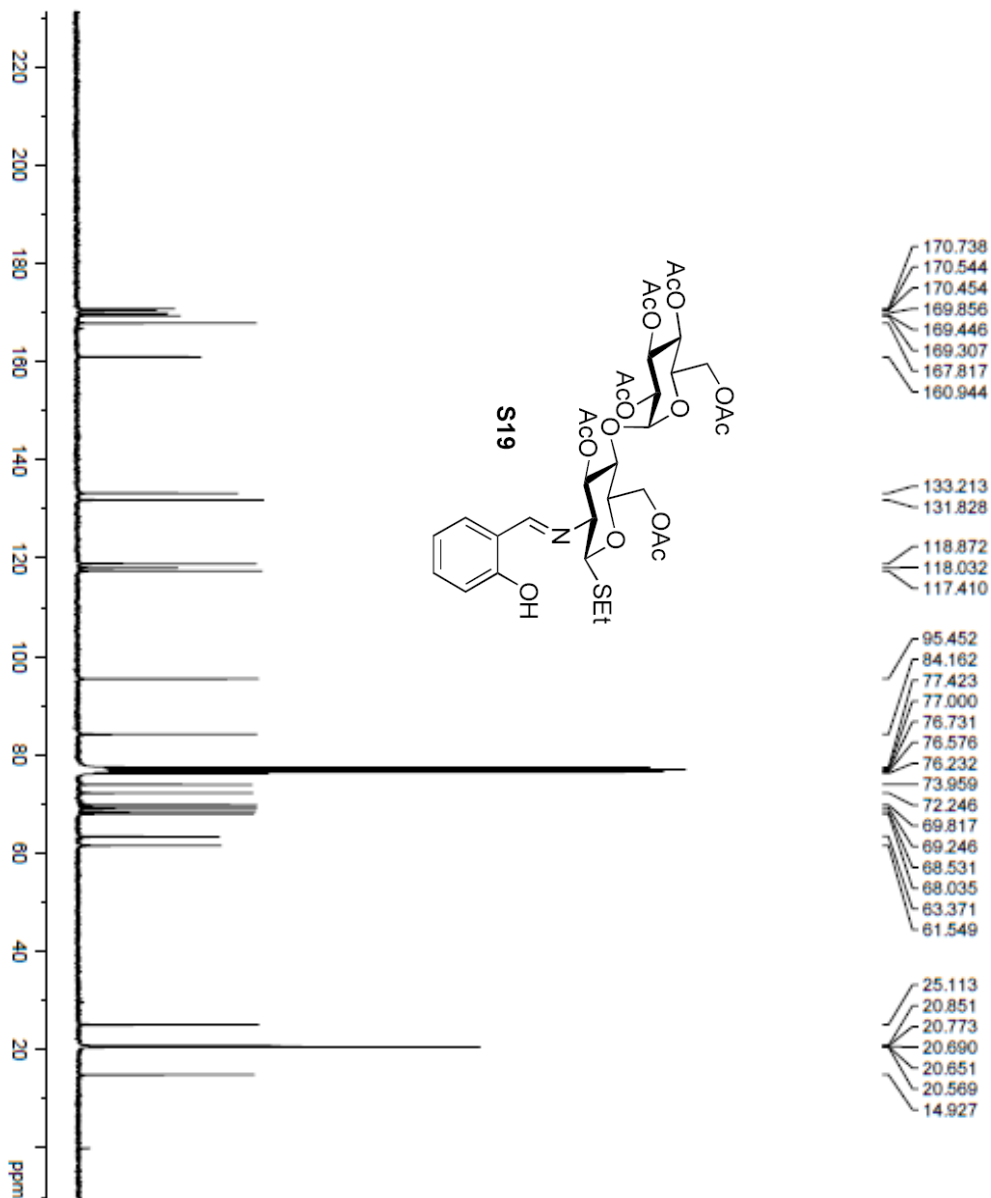
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUCL2 1H
 P2 80.00 usec
 PL2 -4.00 dB
 PL12 11.78 dB
 SFO2 400.1317250 MHz
 SI 32768
 SF 161.9755740 MHz
 WDM Z4
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.40





NAME LR-2153-H
EXNO 1
PROCNO 1
Date 20130707
Time 22:20
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
ID zgpg30
SOLVENT CDCl3
NS 20
DS 2
SWH 5995.204 Hz
FIDRES 0.183859 Hz
AQ 2.7329211 sec
RG 101
DE 83.400 usec
TE 293.2 K
D1 1.00000000 sec
MCPRST 0.00000000 sec
MCMRKT 0.01500000 sec

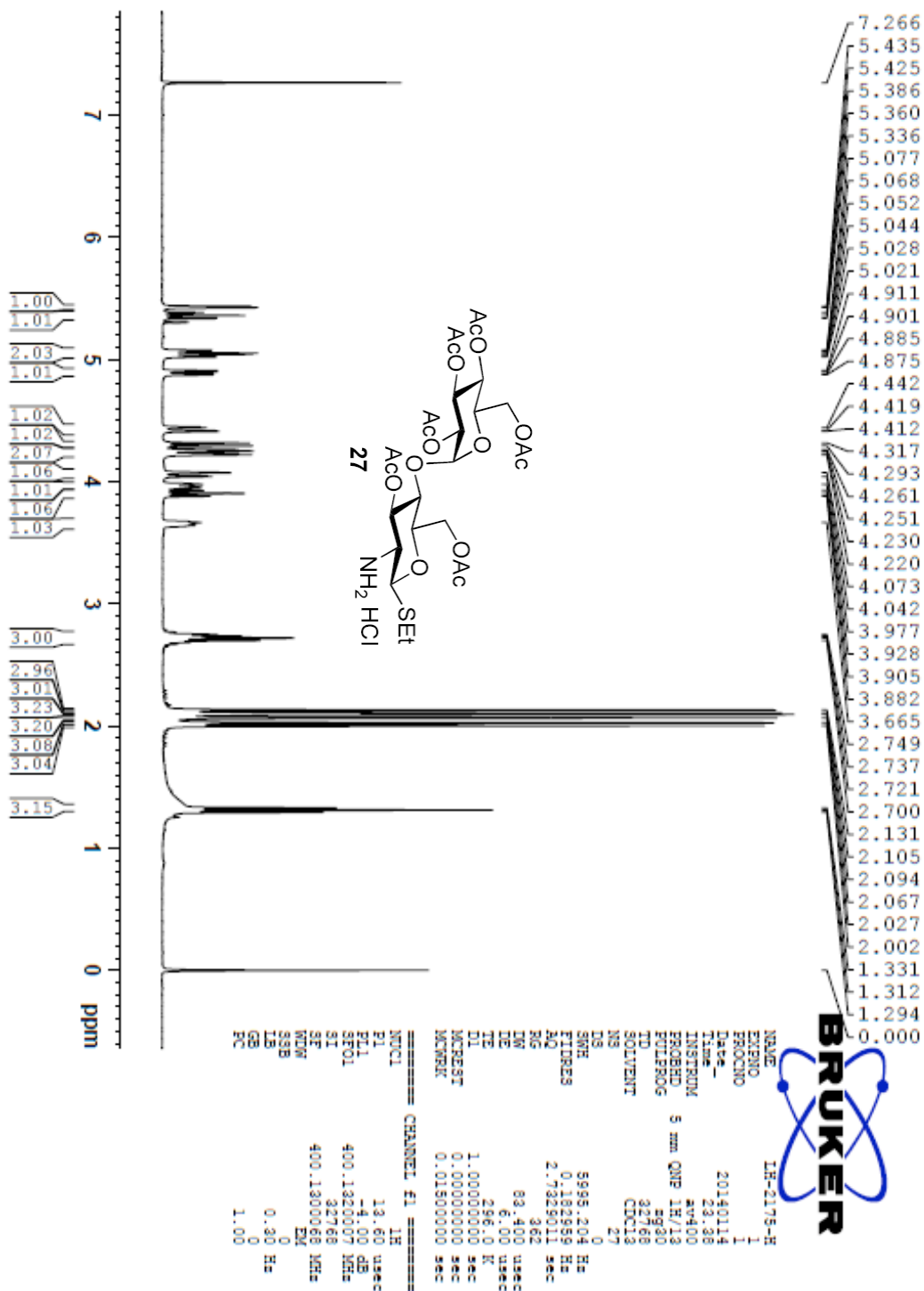
===== CHANNEL f1 =====
NUC1 13C
P1 13.60 usec
PL -4.00 dB
SFO1 400.132007 MHz
SI 32768
SF 400.130055 MHz
WDW EM
SSB 0
GB 0
PC 1.00

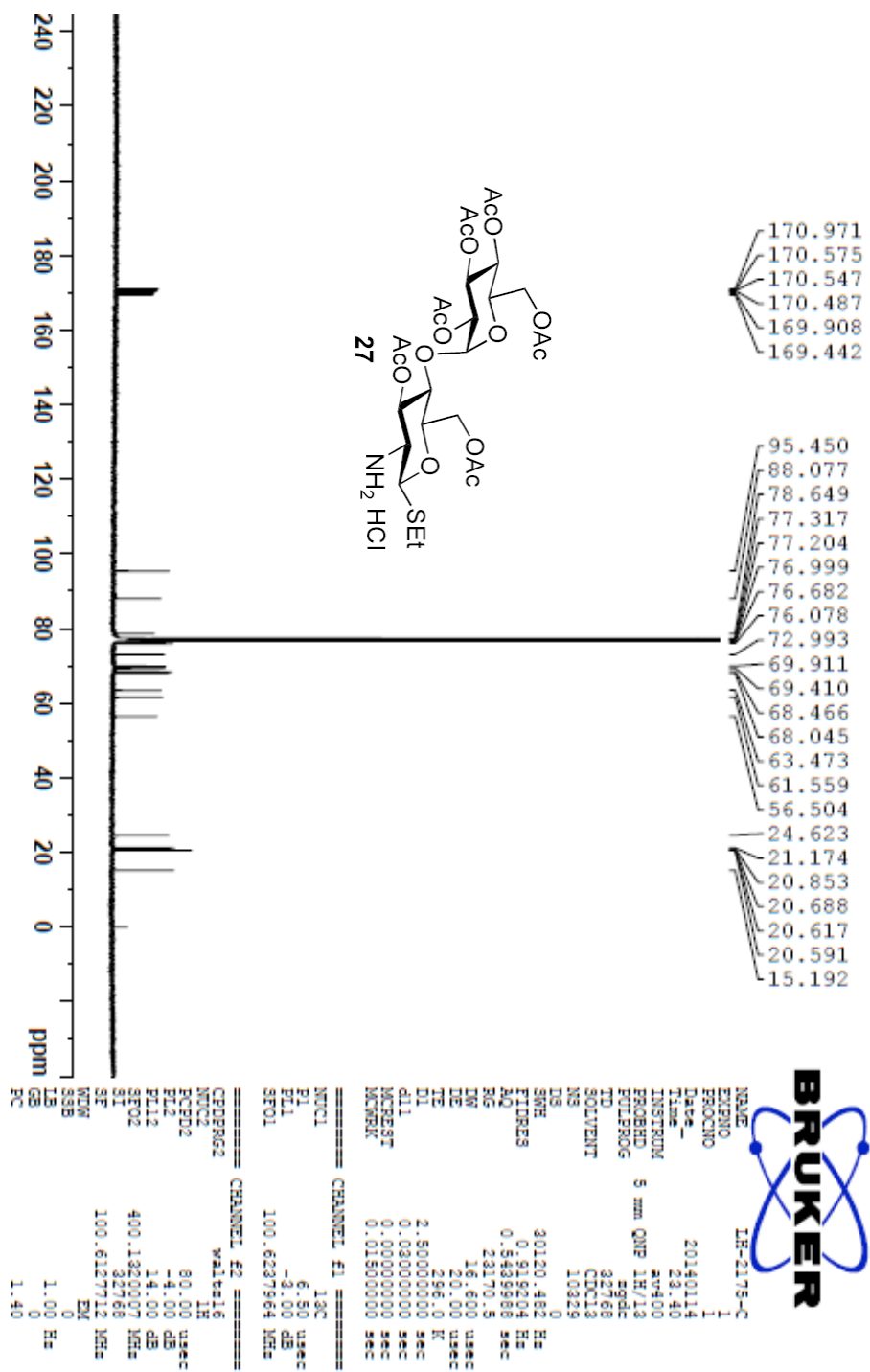


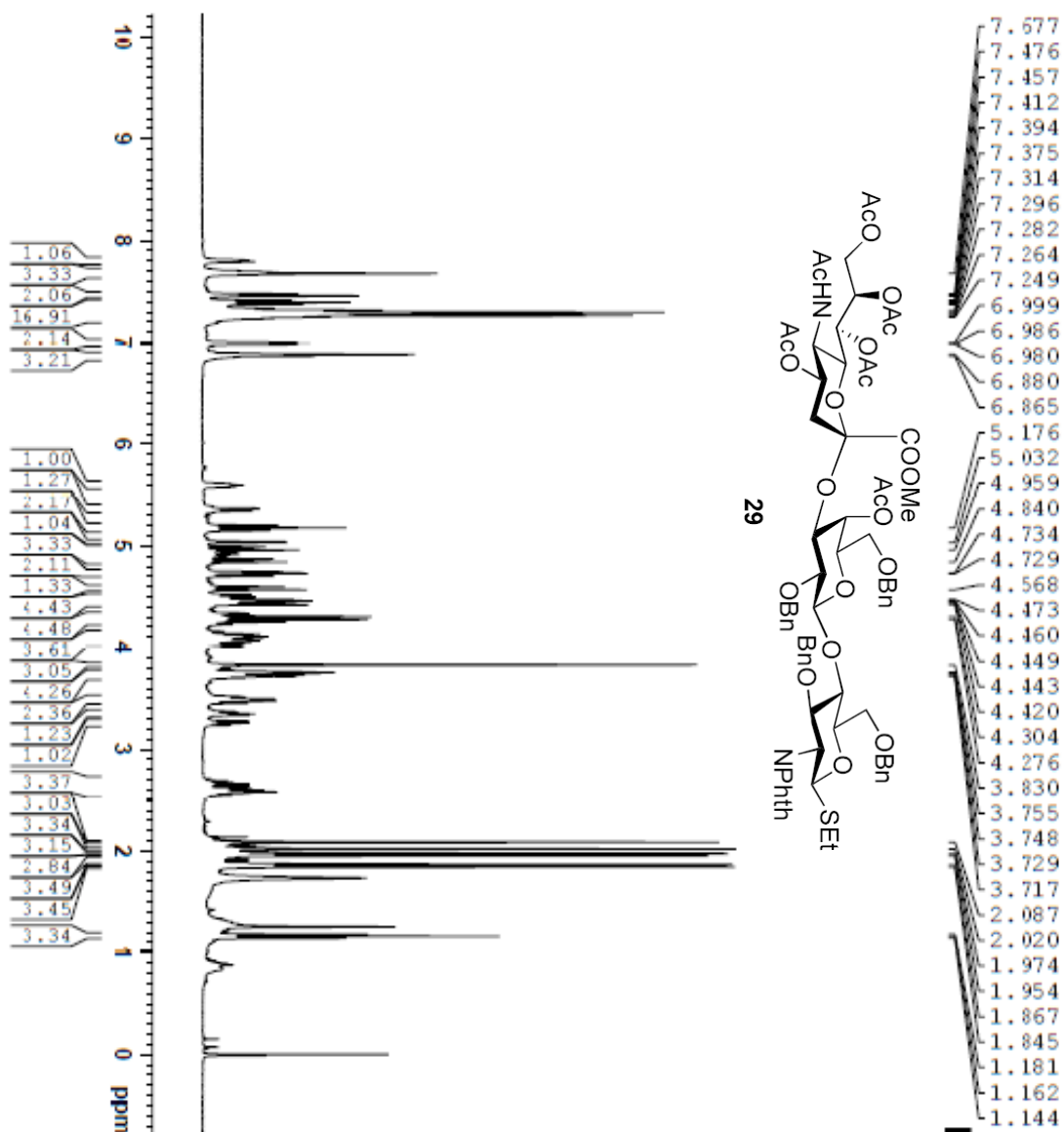
NAME LH-2153-C
 EXPNO 1
 PROCNO 1
 Date_ 20130707
 Time_ 22.35
 INSTRUM spect
 PROBRD 23934
 PULPROG zgpg30
 TD 32768
 FIDRES 0.000000
 AQ 0.870404 sec
 RG 11685.2
 DW 26.550 usec
 DE 6.00 usec
 TE 300.2 K
 D1 2.50000000 sec
 d11 0.03000000 sec

===== CHANNEL f1 =====
 NUCL1 13C
 P1 5.80 usec
 PL1 -6.00 dB
 SFO1 75.4760204 MHz

===== CHANNEL f2 =====
 CDEPRG2 waltz16
 NUCL2 1H
 P2 100.00 usec
 PL2 120.00 dB
 PL12 18.00 dB
 SFO2 300.1312005 MHz
 SI 32768
 SF 75.4677517 MHz
 WFG EX
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

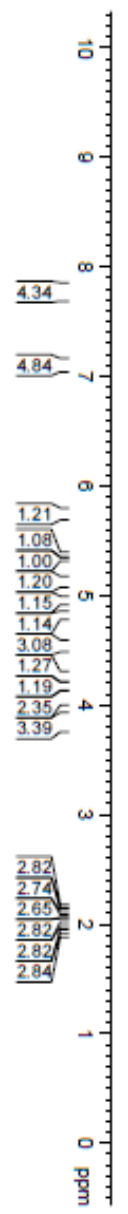
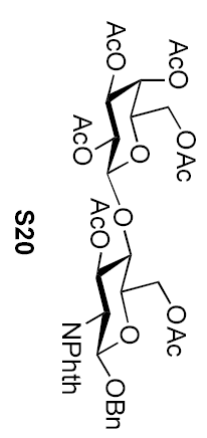




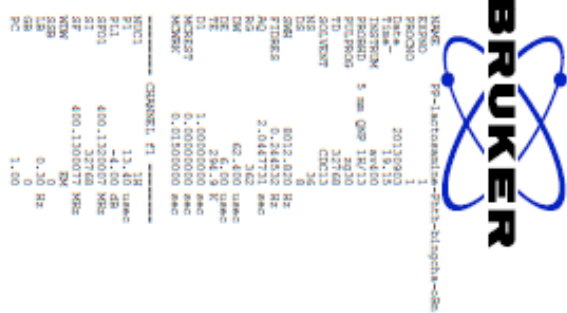
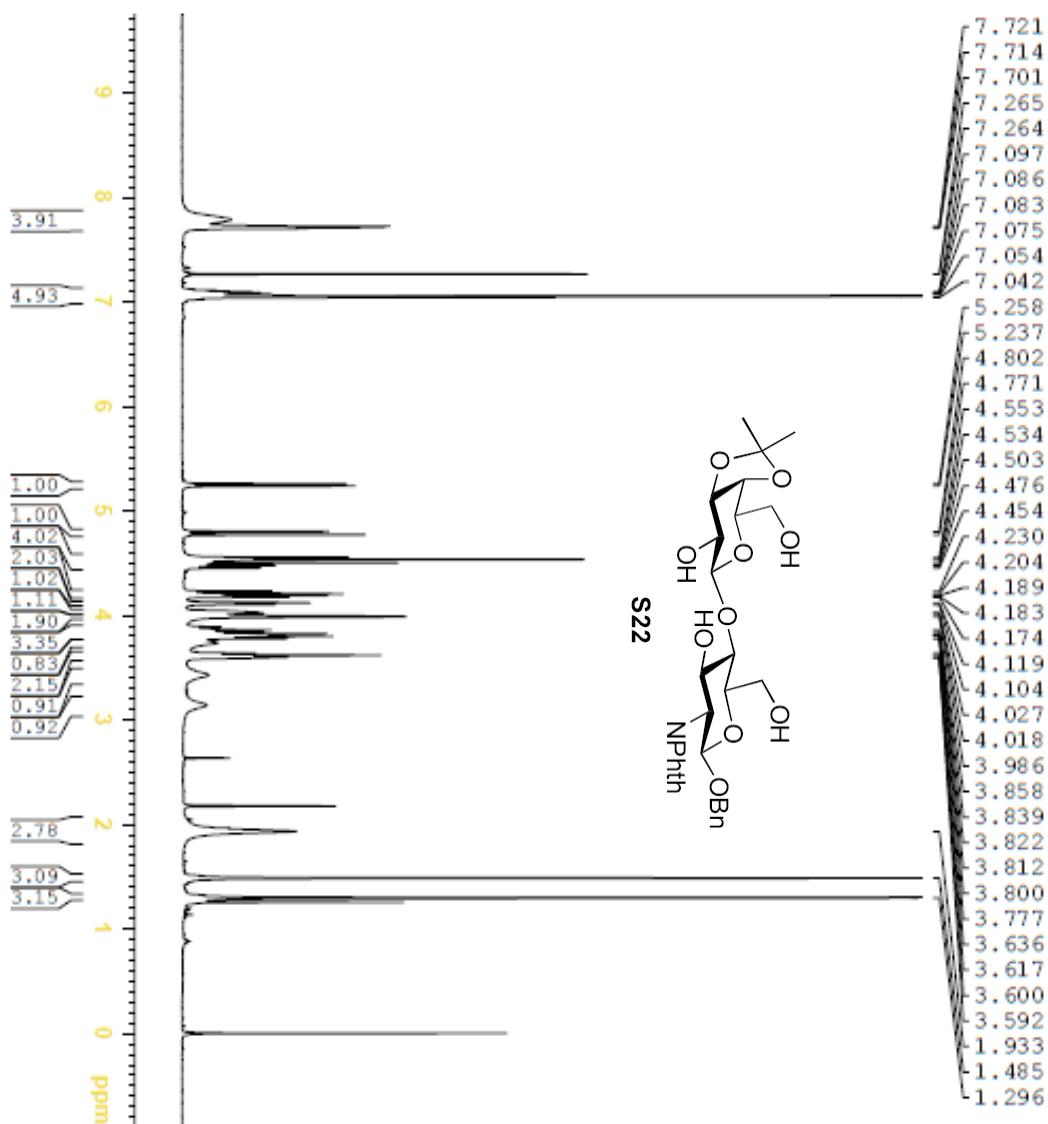


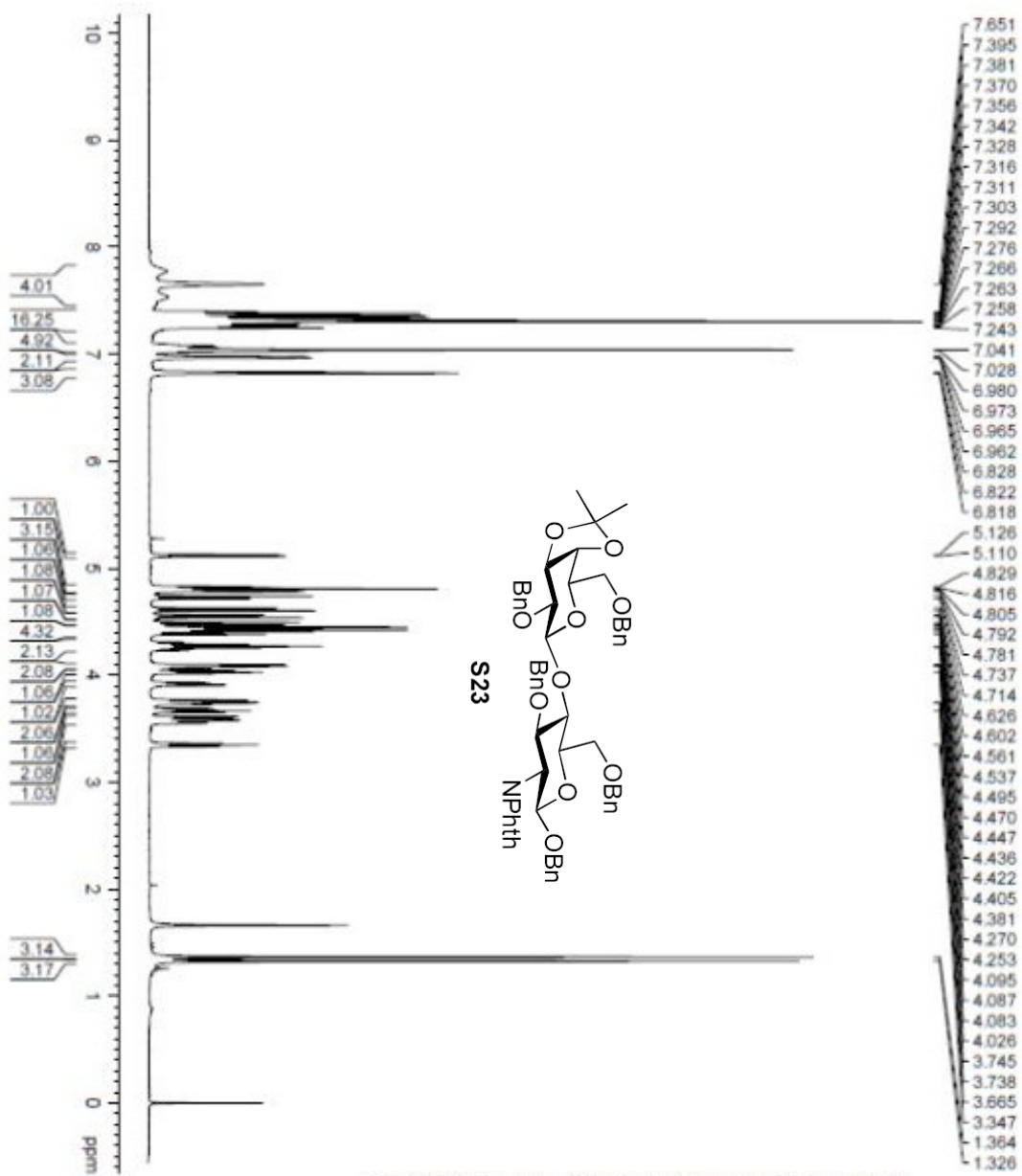
NAME: PF-11-santang-Set-1
 EXPNO: 1
 PROCNO: 1
 Date_: 20130720
 Time: 10.00
 INSTRUM: av400
 PROBHD: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 44
 DS: 4
 SWH: 8012.820 Hz
 FIDRES: 0.244532 Hz
 AQ: 2.0447731 sec
 RG: 181
 TM: 62.400 sec
 TE: 6.00 sec
 DE: 294.3 K
 D1: 1.00000000 sec
 MCREST: 0.00000000 sec
 MCMRK: 0.01500000 sec

===== CHANNEL f1 =====
 NUC1: 13C
 P1: 13.40 usec
 PL1: -4.00 dB
 SFO1: 400.132007 MHz
 SI: 32768
 SF: 400.130082 MHz
 WDW: EM
 SSB: 0
 LB: 0.30 Hz
 GB: 0
 PC: 1.00



NAME P11-Lactose-FTH-OBn
EXPNO 1
PROCNO 1
Date_ 20130726
Time 19.39
INSTRUM spect
PROBHD DUAL 5mm 293K
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 48
DS 2
SWH 5995.204 Hz
FIDRES 0.182959 Hz
AQ 2.7329011 sec
RG 645.1
DW 83.400 usec
DE 6.00 usec
TE 0.0 K
D1 1.00000000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 10.00 usec
PL1 -6.00 dB
SFO1 300.1315007 MHz
SI 32768
SF 300.1300053 MHz
WDW EM
SSB 0
GB 0
PC 1.00

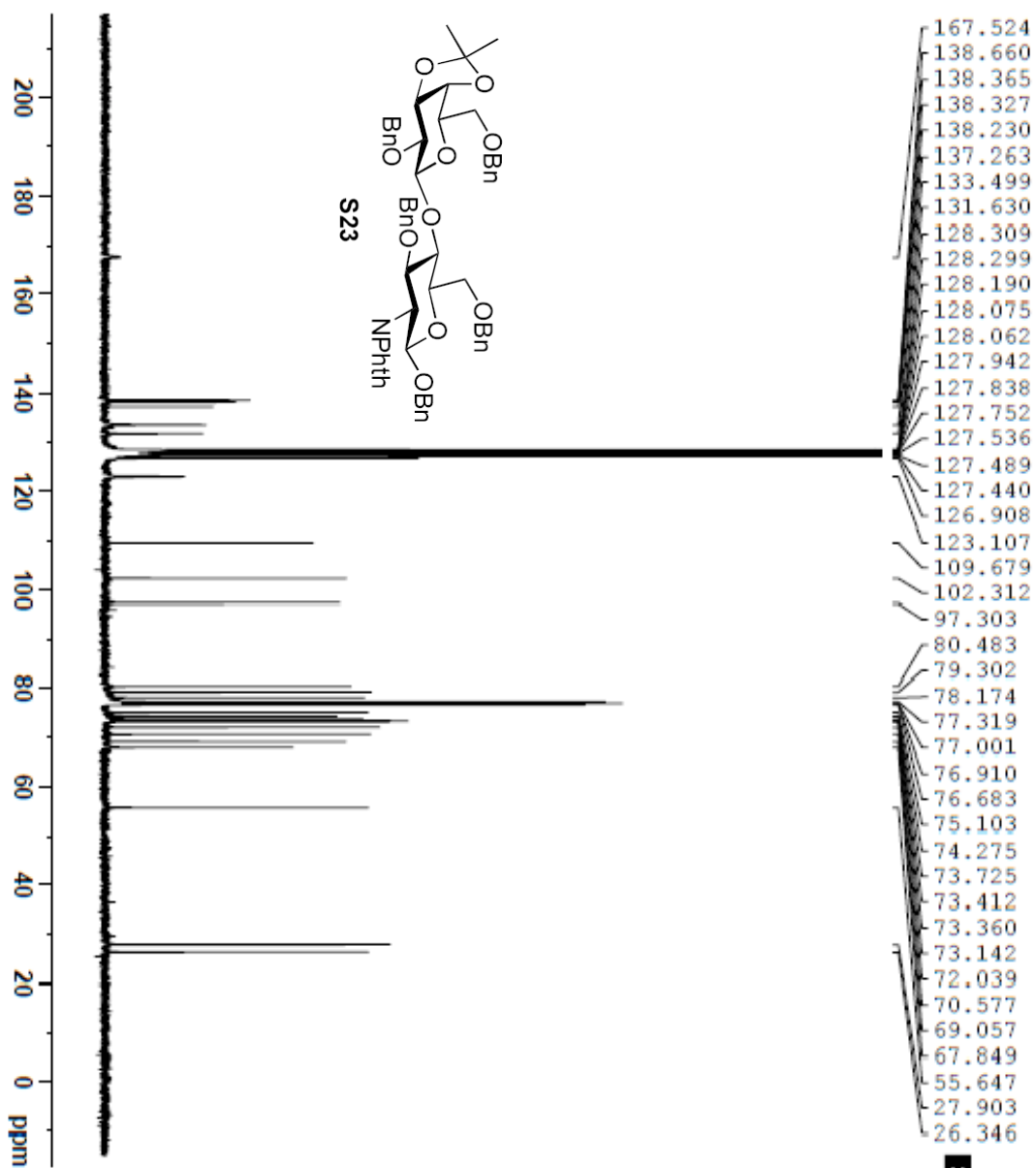




NAME: 7P11-4-trianglobin-bn-OBn
EXTNO: 1
PROCNO: 1
Date_: 20130622
Time: 15.27
INSTRUM: spect
PROBHD: 5mm 28161
PULPROG: zg30
TD: 32768
SOLVENT: CDCl3
NS: 1
DS: 1
SWH: 5018.764 Hz
FIDRES: 0.168419 Hz
AQ: 2.968308 sec
RG: 71.8
DC: 90.600
DE: 6.00
TE: 301.2 K
Z1: 1.00000000 sec
Z2: 0.00000000 sec
Z3: 0.00000000 sec
MCBET: 0.01500000 sec
MCBER: 0.01500000 sec

===== CHANNEL f1 =====
NUC1: 1H
P1: 12.00 usec
PL1: -1.00 dB
SFO1: 500.1325007 MHz
GT: 32768
SF: 500.1300219 MHz
WDSW: 500.1300219 MHz
SXB: 0
SFR: 0
T2: 0.30 sec
T2R: 0
GB: 0
PC: 1.00





BRUKER

NAME: S23
EXPNO: 1
PROCNO: 1
F2: 101.625 MHz
F1: 101.625 MHz
INSTRUM: spect
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl3
NS: 1638
DS: 4
SWH: 25125.429 Hz
FIDRES: 0.166712 Hz
AQ: 0.022122 sec
RG: 327.5
DWDW: 19.500 usac
DE: 6.00 usac
TE: 293.2 K
D1: 1.00000000 sec
d11: 0.02000000 sec
DELTA: 0.00000000 sec
ACQRES: 0.01200000 sec
MCWPR: 0.01200000 sec

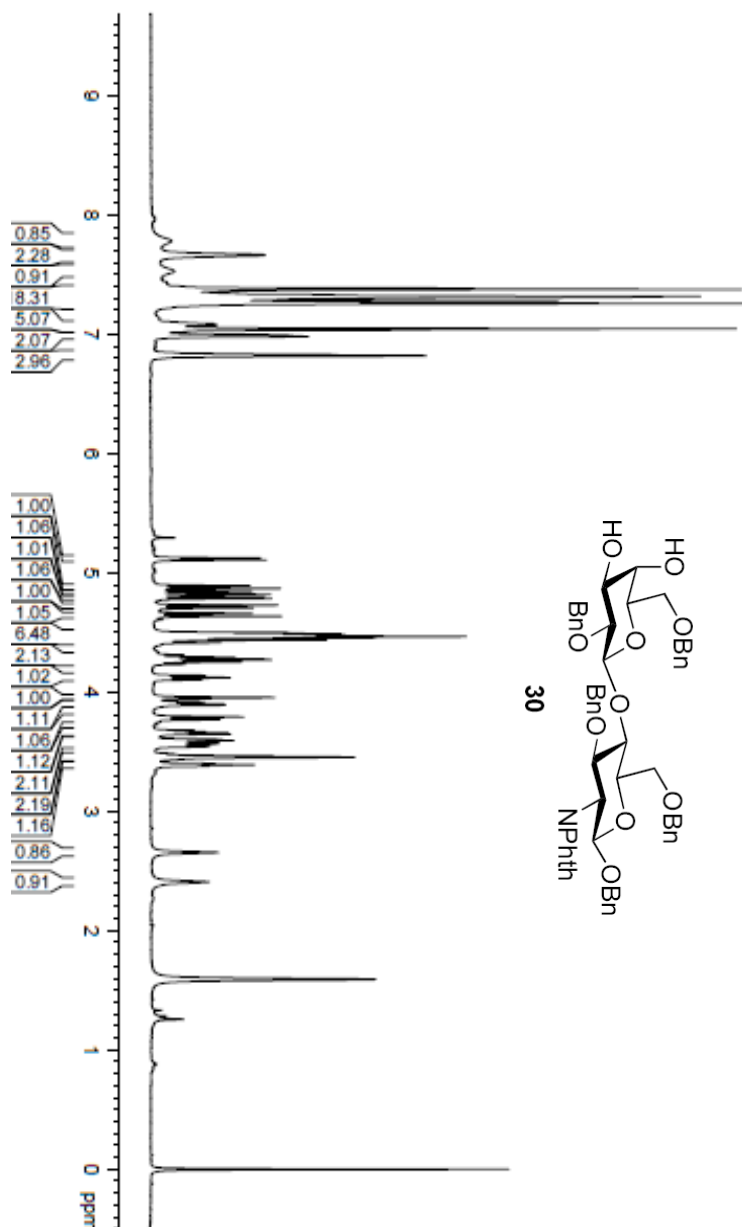
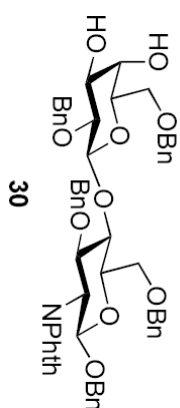
===== CHANNEL f1 =====
NUC1: 13C
P1: 12.70 usac
PL1: -1.00 dB
SFO1: 100.628164 MHz

===== CHANNEL f2 =====
NAME: S23
EXPNO: 1
PROCNO: 1
F2: 101.625 MHz
F1: 101.625 MHz
INSTRUM: spect
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl3
NS: 1638
DS: 4
SWH: 25125.429 Hz
FIDRES: 0.166712 Hz
AQ: 0.022122 sec
RG: 327.5
DWDW: 19.500 usac
DE: 6.00 usac
TE: 293.2 K
D1: 1.00000000 sec
d11: 0.02000000 sec
DELTA: 0.00000000 sec
ACQRES: 0.01200000 sec
MCWPR: 0.01200000 sec

===== CHANNEL f3 =====
NAME: S23
EXPNO: 1
PROCNO: 1
F3: 101.625 MHz
F2: 101.625 MHz
F1: 101.625 MHz
INSTRUM: spect
PROBHD: 5 mm QNP 1H/13
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl3
NS: 1638
DS: 4
SWH: 25125.429 Hz
FIDRES: 0.166712 Hz
AQ: 0.022122 sec
RG: 327.5
DWDW: 19.500 usac
DE: 6.00 usac
TE: 293.2 K
D1: 1.00000000 sec
d11: 0.02000000 sec
DELTA: 0.00000000 sec
ACQRES: 0.01200000 sec
MCWPR: 0.01200000 sec

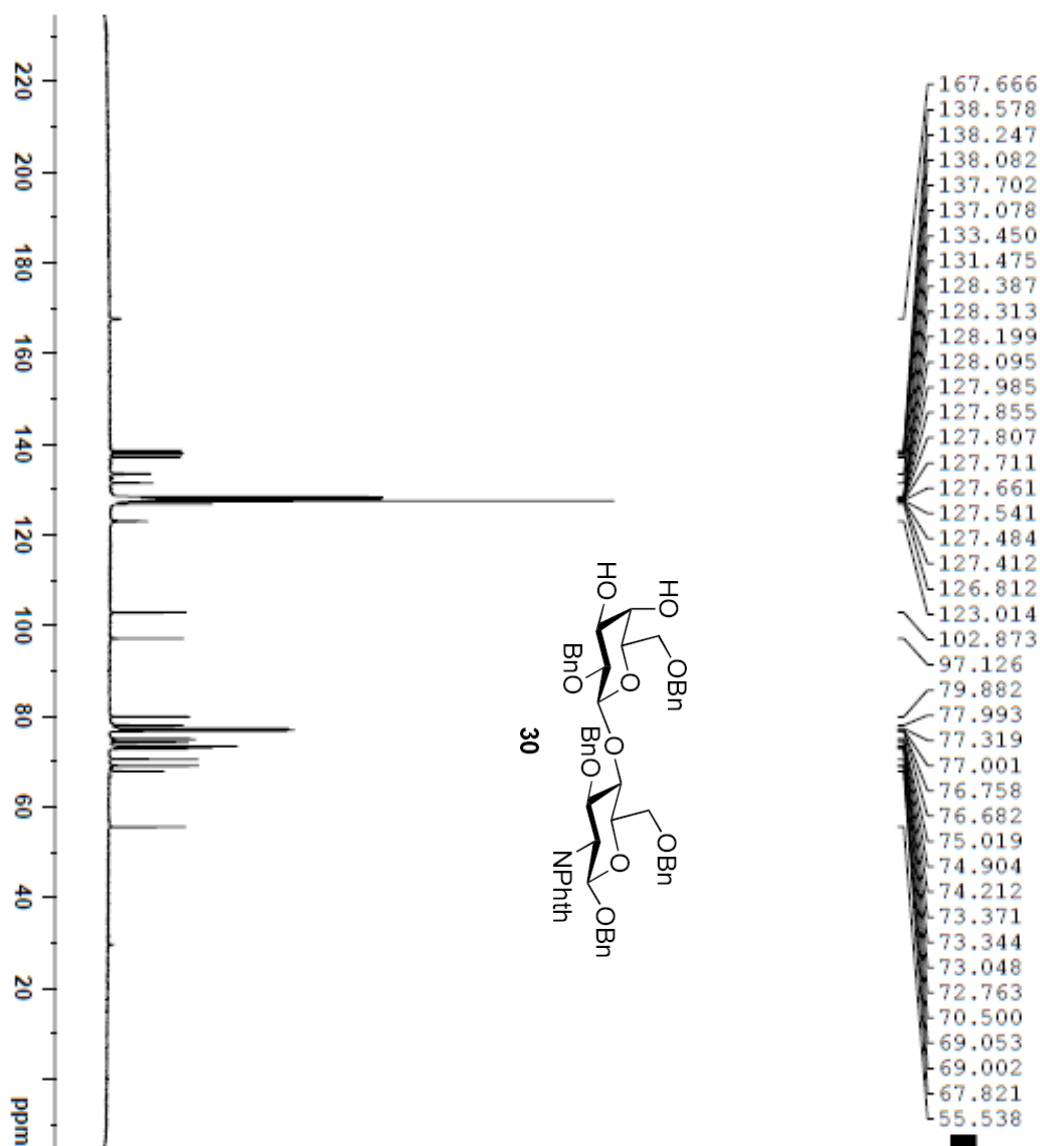


7.662
7.383
7.375
7.317
7.312
7.307
7.300
7.271
7.256
7.087
7.077
7.070
7.045
6.989
6.981
6.826
6.819
5.123
5.107
4.891
4.867
4.843
4.818
4.808
4.783
4.727
4.704
4.659
4.635
4.498
4.487
4.479
4.474
4.465
4.455
4.436
4.412
4.290
4.274
4.270
4.253
4.120
3.954
3.898
3.891
3.792
3.771
3.660
3.648
3.604
3.595
3.574
3.466
3.454
3.400
3.390
2.656

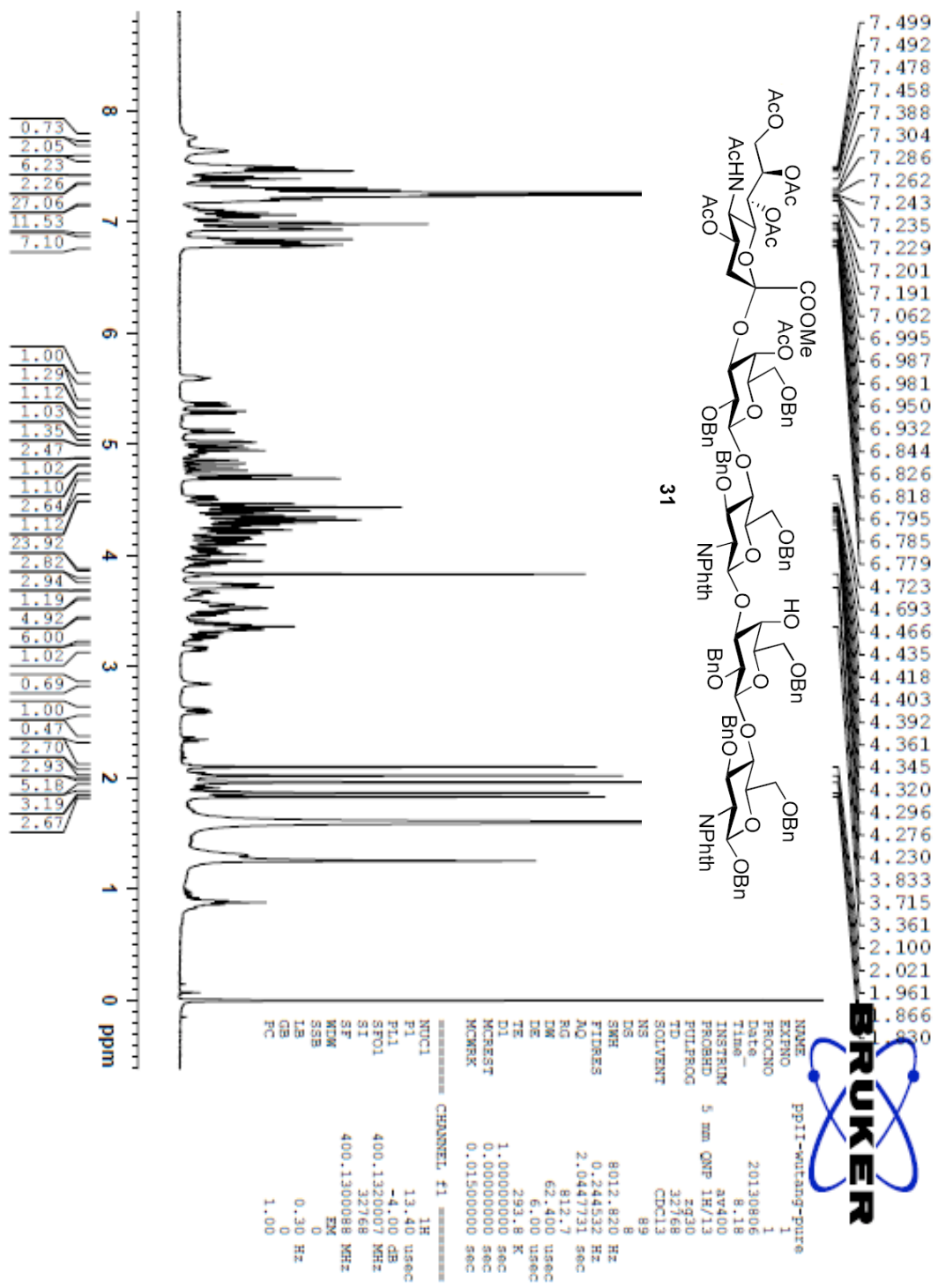


NAME FPII-acceptor-OBn
EXPNO 1
PROCNO 1
Date_ 20130420
Time_ 11:34
INSTRUM spect
PROBHD 5mm 28161
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 1
SWH 5518.764 Hz
FIDRES 0.161418 Hz
AQ 2.9688308 sec
RG 114
DE 90.600 usec
TE 299.8 K
D1 1.00000000 sec
DELTA 0.00000000 sec
INVEST 0.01500000 sec
MCWPRC 0.01500000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 12.00 usec
PL -1.00 dB
SFO1 500.1325007 MHz
SI 32768
SF 500.1300157 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

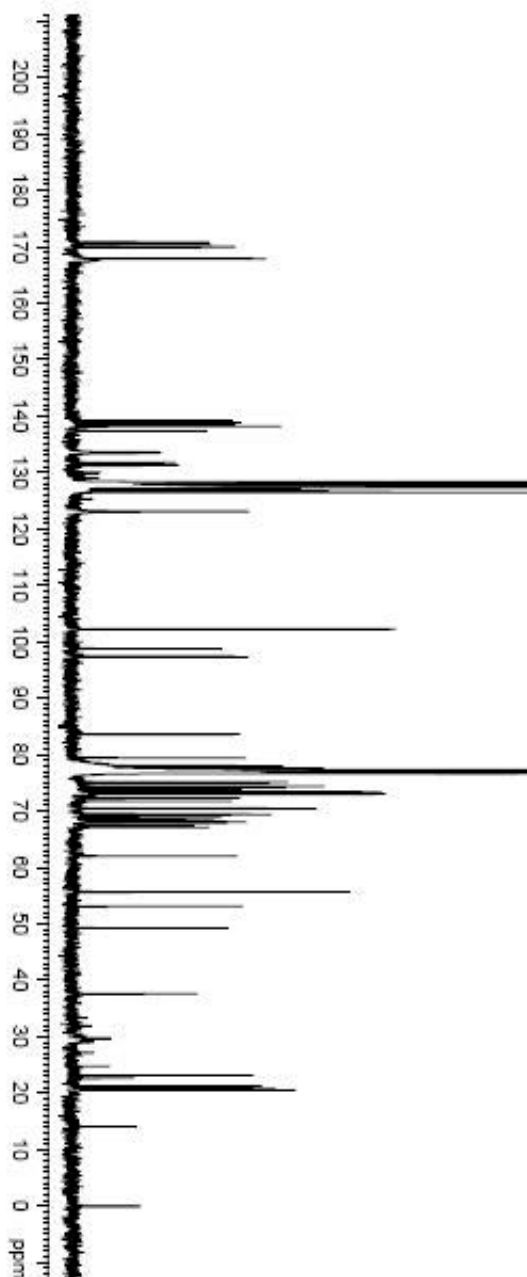
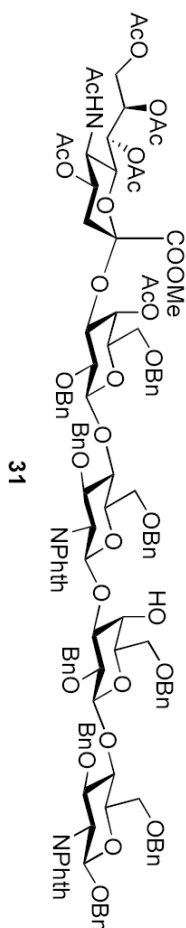


NAME: 5F-alkene Acceptor-OBn-13C
 EXPNO: 1
 PROCNO: 1
 Date_: 20130718
 Time: 22.10
 INSTRUM: wv400
 PROBRD: 5 mm QNP 1H/13
 PULPROG: zgpg30
 TD: 32768
 SOLVENT: CDCl3
 NS: 1263
 DS: 0
 SWH: 25125.629 Hz
 FIDRES: 0.766772 Hz
 AQ: 0.621232 sec
 RG: 327.68
 DQ: 19.904
 DE: 6.00 usec
 TE: 295.3 K
 D1: 2.50000000 sec
 d11: 0.03000000 sec
 DELTAT: 0.03000000 sec
 ACQRES: 0.01500000 sec
 CHANNEL: f1
 NUC1: 13C
 P1: 12.70 usec
 PL: -5.00 dB
 SFO1: 100.628364 MHz
 CHANNEL: f2
 NUC2: 1H
 P2: 80.00 usec
 PL2: -4.00 dB
 SFO2: 400.1320007 MHz
 SI: 32768
 SF: 100.6127902 MHz
 WDW: EM
 SS: 1.00 Hz
 GB: 0
 PC: 1.40





167.800
167.414
167.355
167.155
167.100
167.072
166.954
166.913
166.8015
166.904
167.793
167.768
167.656
167.566
167.506
167.386
167.364
167.345
167.298
166.971
166.759
166.668
166.501
166.105
102.223
97.260
83.596
79.417
78.010
77.567
77.516
76.874
75.143
74.919
74.883
74.363
74.328
74.135
73.702
73.391
73.294
73.145
73.012
72.963
72.313
70.454
69.496
69.340
68.092
55.662
53.100
23.171
21.227
20.795
20.712
20.640
20.536

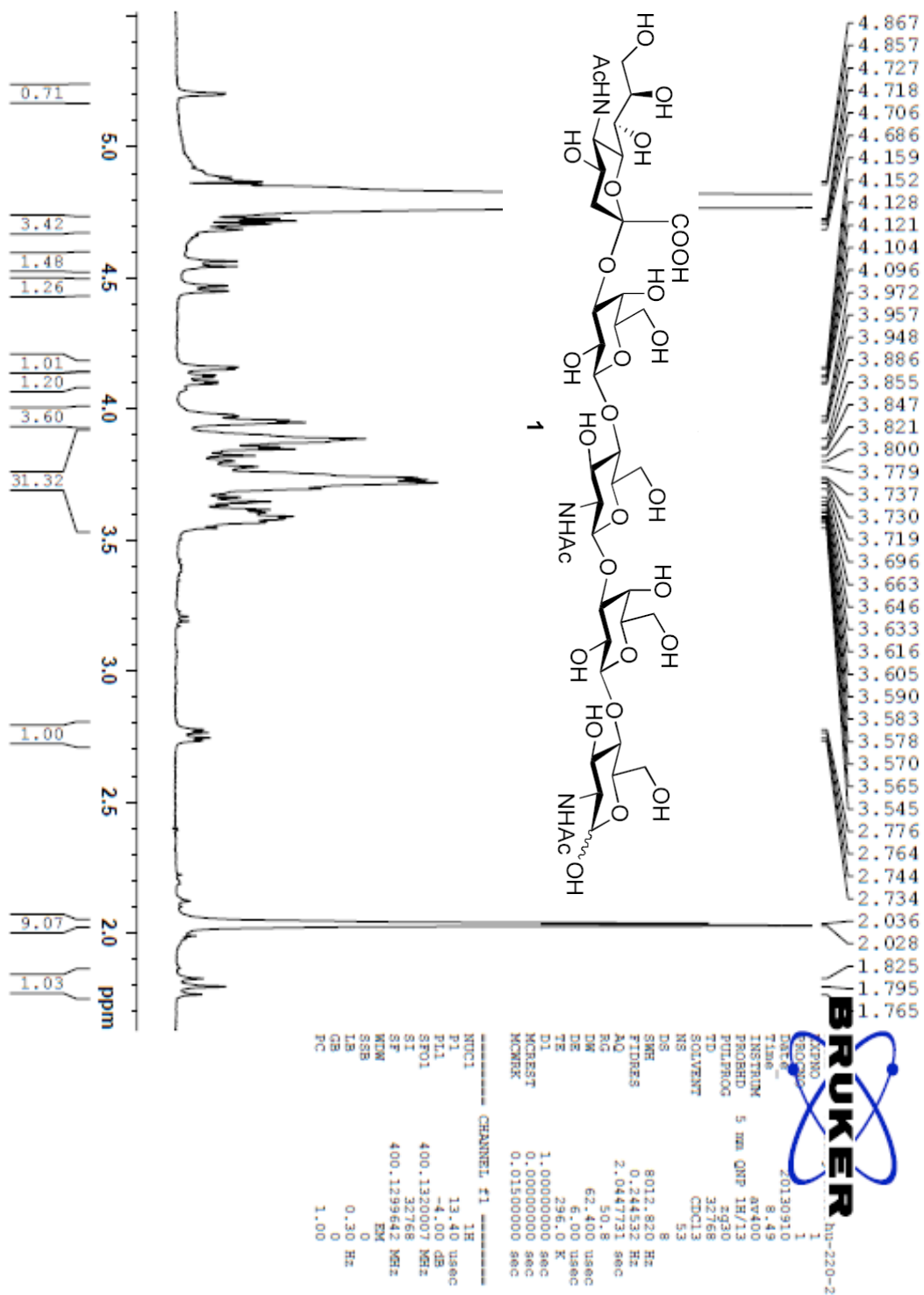


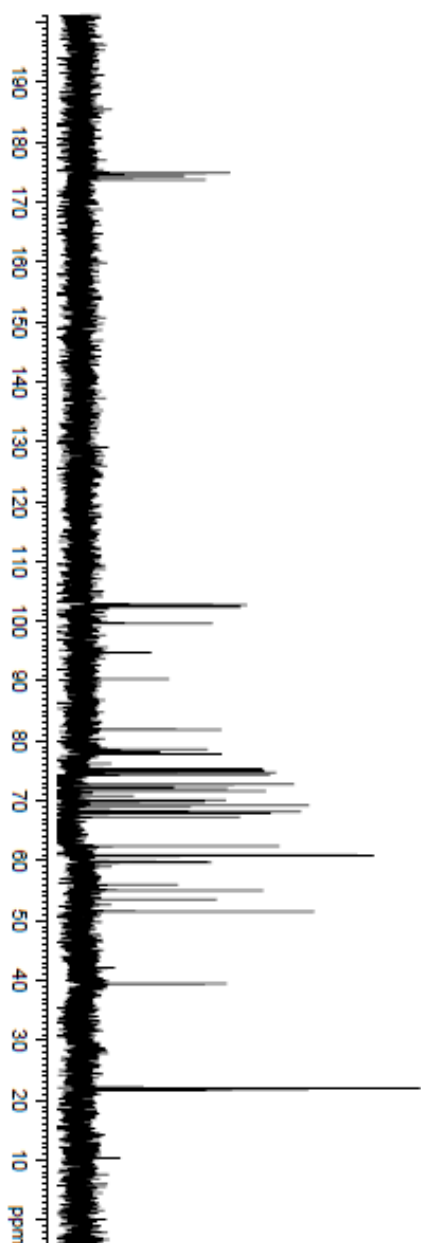
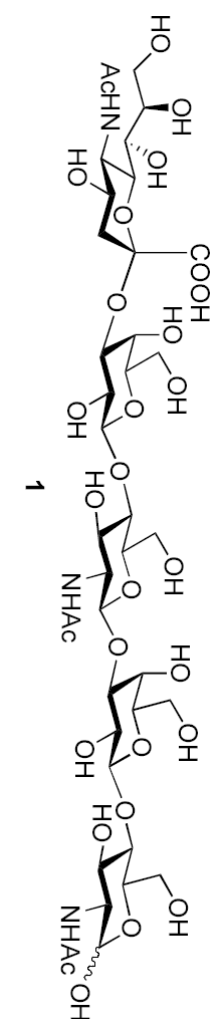
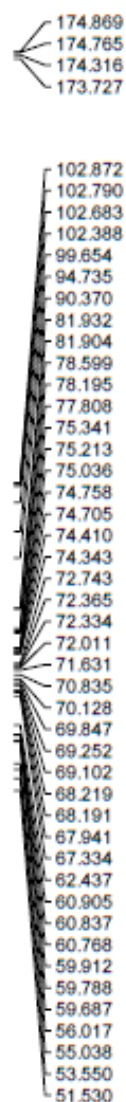
```

NAME      EPII-Nucang
EXPNO     3
PROCNO    1
Date_     20130626
Time      17.28
INSTRUM   spect
PROBHD    EBO 5mm 23149/
PULPROG   zgpg
TD         32768
SOLVENT   CDCl3
NS         15564
DS         1
SWH        31446.541 Hz
FIDRES     0.569672 Hz
AQ         0.5210612 sec
RG         5195.2
TV         15.930
TE         6.00 usec
DE         303.2 K
D1         3.00000000 sec
d11        0.03000000 sec
MCREST     0.00000000 sec
MCWRRK     0.01500000 sec

===== CHANNEL #1 =====
NUC1       13C
P1         11.00 usec
PL1        -2.00 dB
SFO1       125.7715724 MHz

===== CHANNEL #2 =====
CPDPRG2   valse16
NUC2       1H
P2         100.00 usec
PL2        -6.00 dB
SFO2       500.1312000 MHz
SI         32768
SF         125.7577910 MHz
NU1W       ZN
SSB        0
GB         1.50 Hz
PC         1.00
  
```

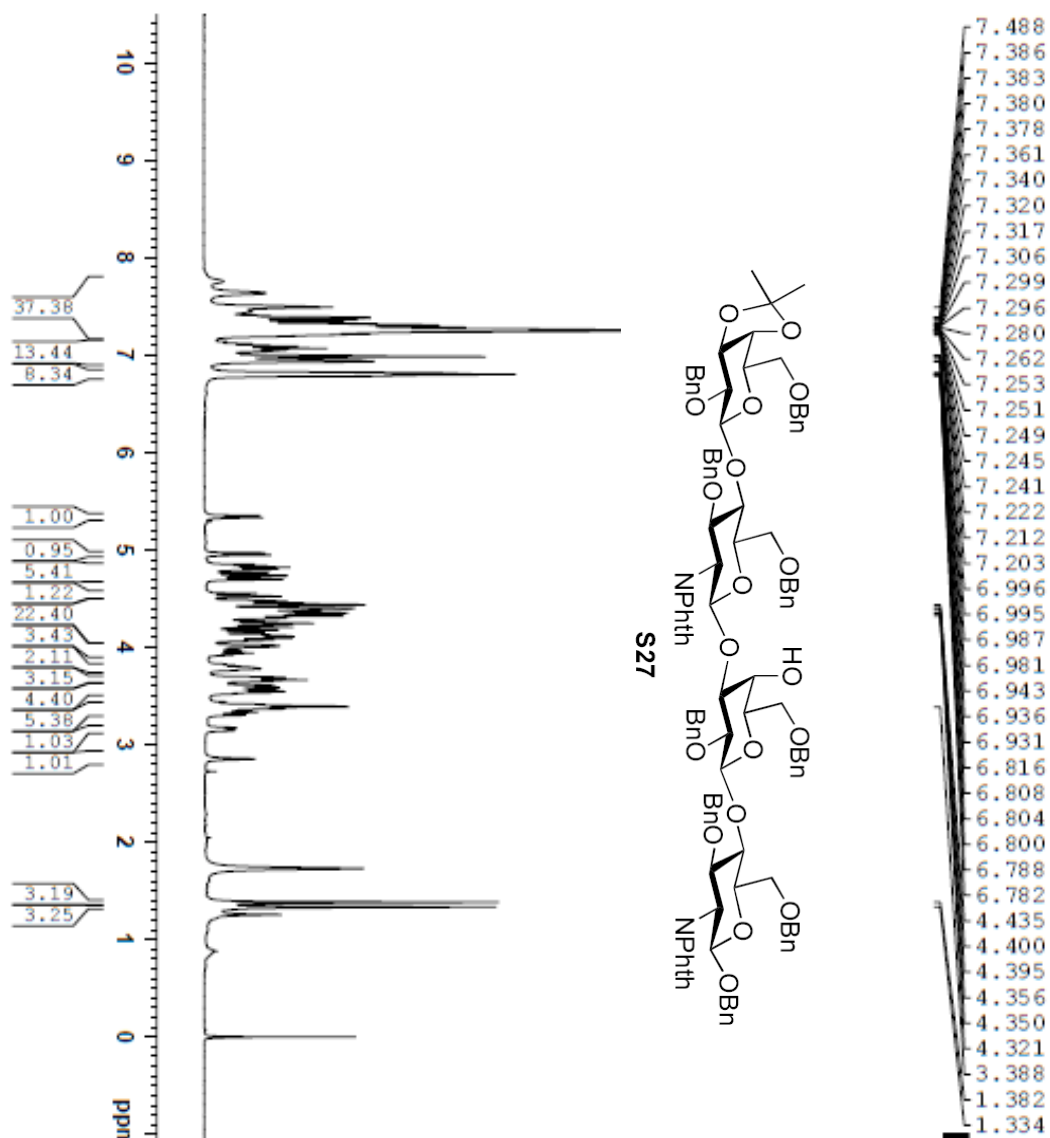




```

NAME: EF-MSPT
EXPNO: 1
PROCNO: 1
Date_: 20131029
Time: 9.25
INSTRUM: AV600
PROBHD: 5 mm CPTCI 1H-
PULPROG: zgpg30
TD: 65536
FIDRES: 0.429095
AQ: 0.429095
RG: 729.2
DE: 13.900
TE: 100.00
D1: 3.00000000
D11: 0.03000000
TDO: 1

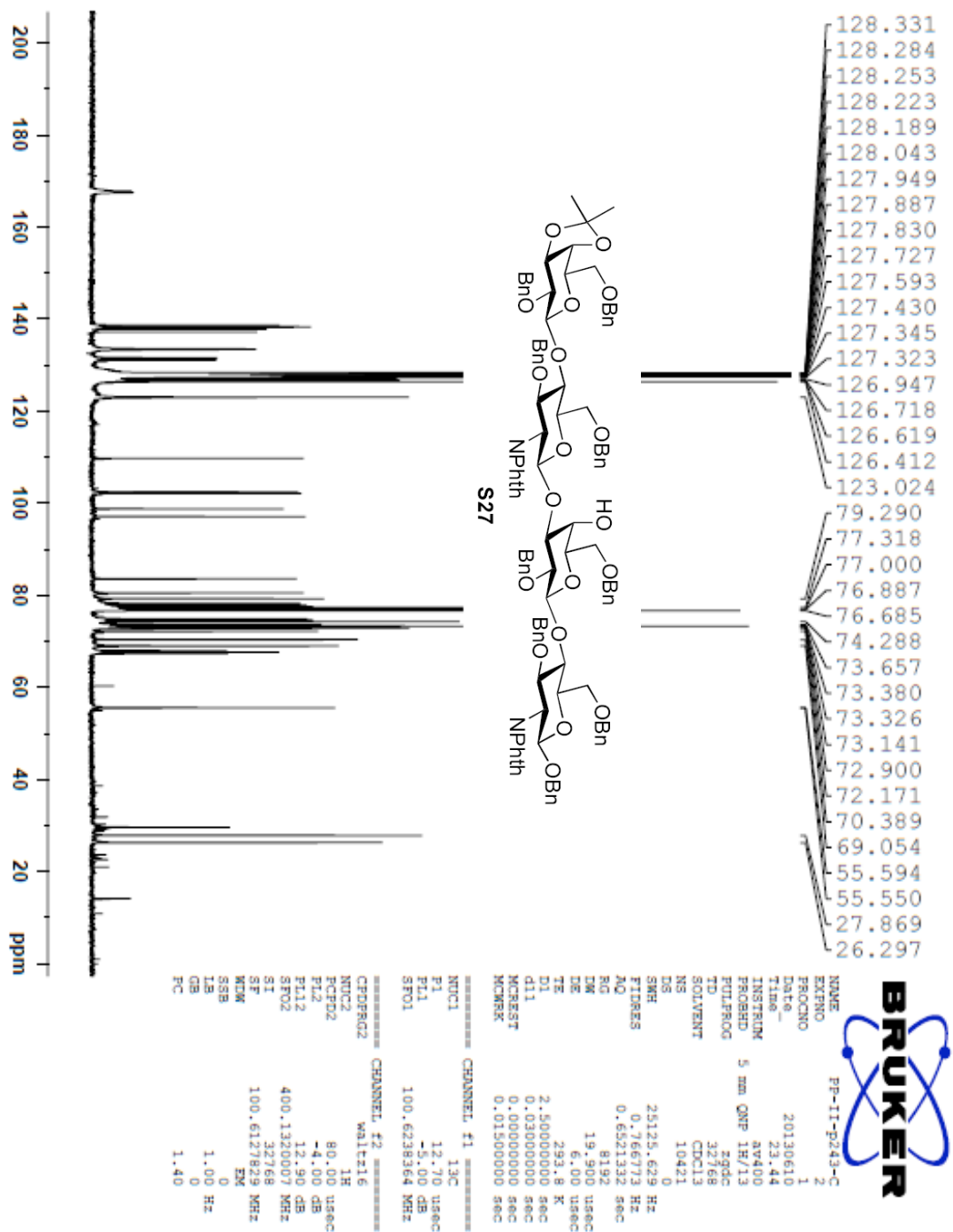
===== CHANNEL f1 =====
NUC1: 13C
P1: 15.00
PL1: -3.00
F1F2: 140.3242798
SFO1: 150.918448
===== CHANNEL f2 =====
CDEPRG2: waltz16
NUC2: 1H
PCPD2: 60.00
PL2: -0.50
F1F2: 19.80
F1F2W: 2.508608
PL12W: 0.06197295
SFO2: 600.1380006
SI: 32768
SE: 150.9038214
WDEW: EM
GB: 0
LB: 1.20
GB: 0
PC: 1.00
  
```

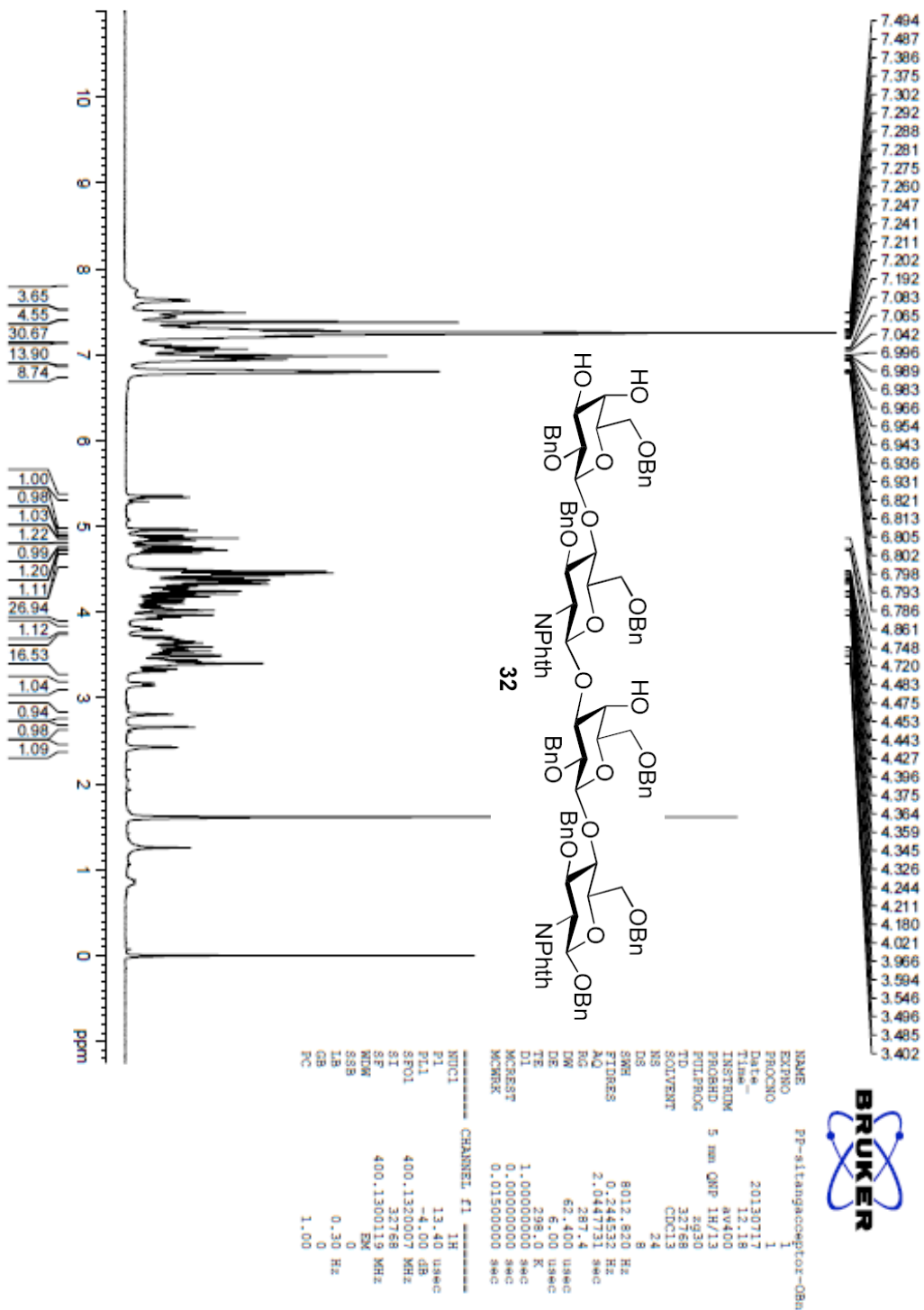


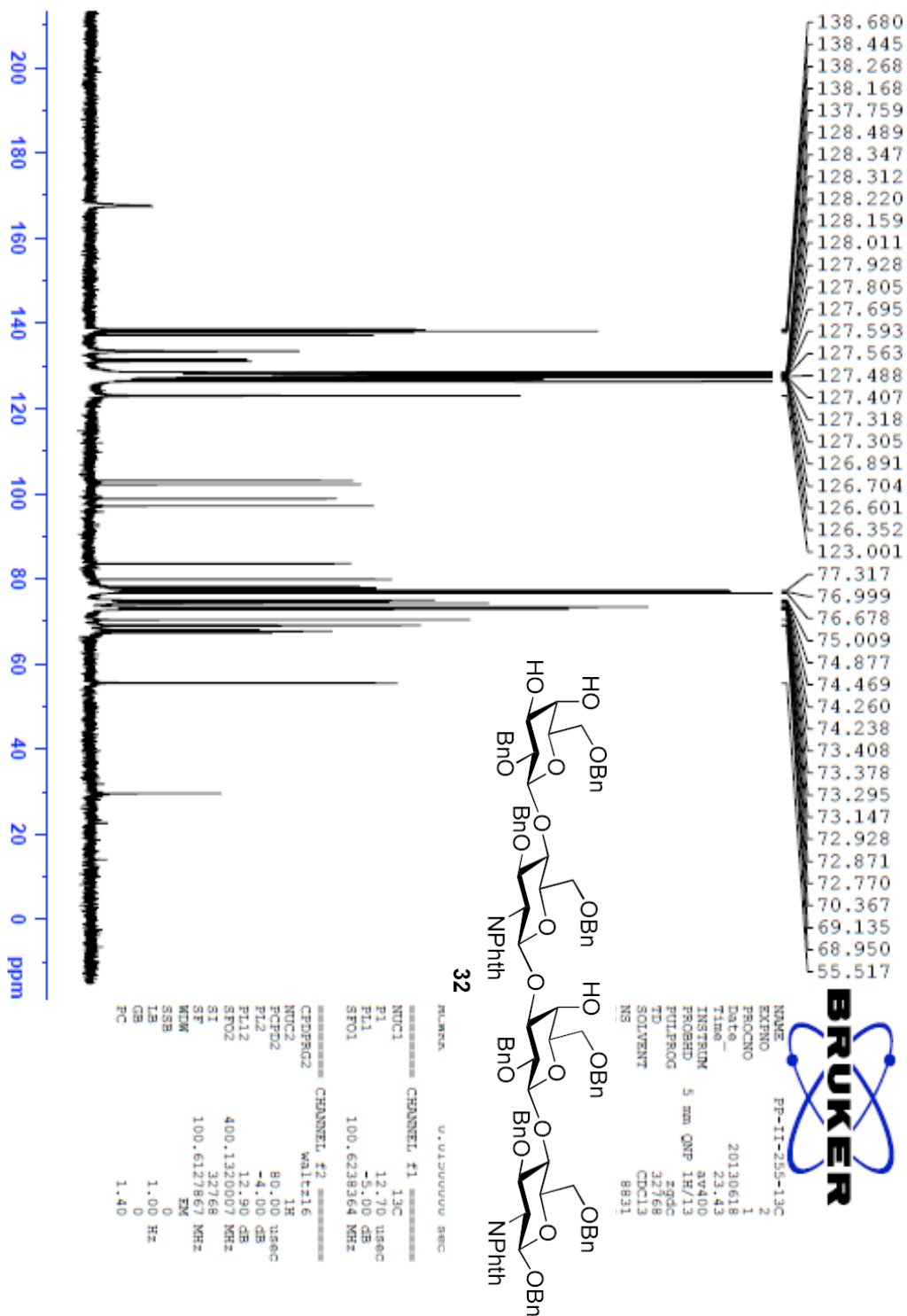
NAME PF-1-P204
EXPNO 1
PROCNO 1
Date_ 20130509
Time_ 14.02
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 100
DS 0
SWH 8012.820 Hz
FIDRES 0.24432 Hz
AQ 2.044731 sec
RG 181
RW 62.400 usec
DE 6.00 usec
TE 293.9 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCMRK 0.01500000 sec

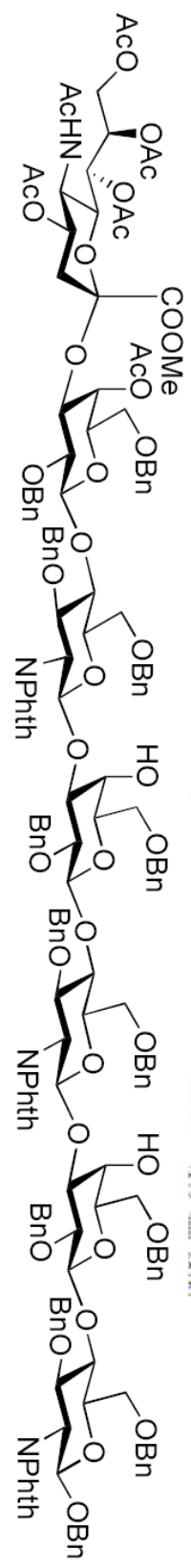
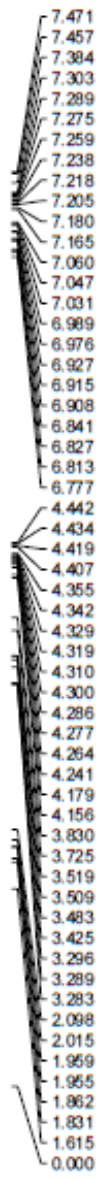
CHANNEL f1 1H
NUC1 13.40 usec
P1 -4.00 dB
PL1 400.132007 MHz
SF01 32768
SI 400.1300121 MHz
SF 400.1300121 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00











33

NAME: PPII-qitang
EXPNO: 1
PROCNO: 1
Date_ Time: 20130906 21.50
INSTRUM: spect
PROBHD: 5mm 1H/13C
PULPROG: zgpg30
PC: 1.00
MCNMR: 0.01500000 sec
NUC1: 1H
CHANNEL: f1
P1: 10.00 usec
PL1: -1.00 dB
SFO1: 500.1327507 MHz
SI: 32768
SF: 500.1300125 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00

