Electronic Supplementary Material (ESI) for Green Chemistry
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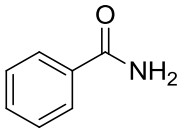
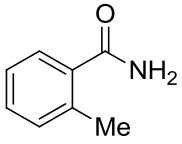
Supporting Information

Benzamide



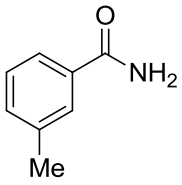
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.40 (s, 1H), 7.47-7.59 (m, 3H), 7.92-7.95 (m, 2H), 8.10 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 127.9 ($2CH_2$), 128.6 ($2CH_2$), 131.7 (CH), 134.7 (C), 168.4 (CO).

2-Methylbenzamide



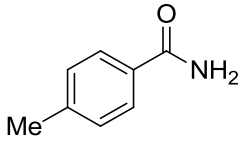
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 2.67 (s, 3H), 7.32-7.52 (m, 2H), 7.64-7.65 (m, 2H), 8.32-8.44 (m, 2H); **^{13}CNMR** (DMSO-d_6): δ = 22.2 (CH_3), 126.6, 131.5, 131.7, 132.2 (CH), 133.6, 135.8 (C), 169.6 (CO).

3-Methylbenzamide



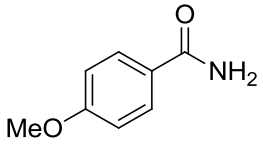
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 2.37 (s, 3H), 7.32-7.39 (m, 2H), 7.67-7.73 (m, 2H), 7.95 (s, 1H), 8.00-8.05 (m, 1H); **^{13}CNMR** (DMSO-d_6): δ = 22.2 (CH_3), 126.6, 131.5, 131.7, 132.2 (CH), 133.6, 135.8 (C), 169.6 (CO).

4-Methylbenzamide



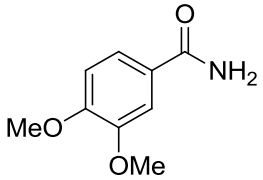
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 2.36 (s, 3H), 7.27 (d, *J* = 8.23 Hz, 2H), 7.34 (s, 1H, NH_2), 7.83 (d, *J* = 8.23 Hz, 2H), 7.96 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 21.9 (CH_3), 128.5 (2CH), 129.7 (2CH), 132.2 (C), 142.0 (C), 168.9 (CO).

4-Methoybenzamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 3.38 (s, 1H), 3.87 (s, 3H), 7.04 (d, *J* = 9.18 Hz, 2H), 7.92 (d, *J* = 9.18 Hz, 2H), 12.6 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 56.3 (OCH_3), 114.6 (2CH), 123.8 (C), 132.2 (2CH), 163.7 (C), 167.8 (CO).

3,4-Dimethoybenzamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 3.82 (s, 3H), 3.84 (s, 3H), 6.99-7.05 (m, 2H), 7.23 (s, 1H), 7.47-7.56 (m, 2H), 7.90 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 56.4, 56.5 ($2OCH_3$), 111.6, 121.6, 127.5 (CH), 149.1, 152.2 (C), 168.4 (CO).

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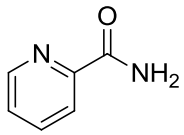
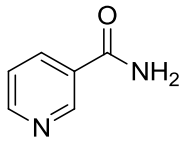
Picolinamide



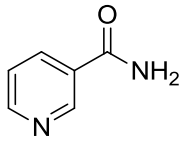
ethyl acetate/hexane (2:1); yield: (**%**); R_f= ; **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.58-7.62(m, 1H), 7.71 (s, 1H, NH_2), 7.98-8.03 (m, 1H), 8.07 (s, 1H, NH_2), 8.07-8.09 (m, 1H), 8.17 (s, 1H, NH_2), 8.64-8.66 (m, 1H); **^{13}CNMR** (DMSO-d_6): δ =122.7 (CH), 127.3 (CH), 138.5 (CH), 149.3 (CH), 151.1 (C), 166.9 (CO).

Nicotinamide



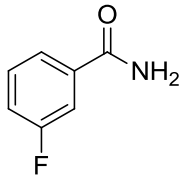
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.48-7.53(m, 1H), 7.69 (s, 1H, NH_2), 8.24-8.30 (m, 2H), 8.71-8.76 (m, 2H); **^{13}CNMR** (DMSO-d_6): δ =124.4, 130.6, 136.2, 149.7 (CH), 152.9 (C), 167.6 (CO).

Isonicotinamide



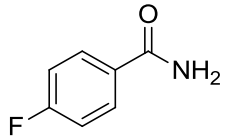
^{1}H NMR (300 MHz, DMSO-d_6): δ = 7.79-7.84(m, 3H), 8.72-8.75 (s, 3H); **^{13}CNMR** (DMSO-d_6): δ =122.5 (2CH), 123.9 (C), 142.3 (C), 151.2 (2CH), 167.5 (CO).

3-Fluorobenzamide



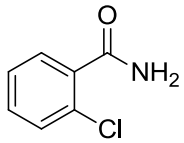
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.38-7.42 (m, 1H), 7.51-7.57 (m, 2H), 7.67-7.71 (m, 1H), 7.74.7.77 (m, 1H), 8.09 (s, 1H, NH_2); **^{13}CNMR** (DMSO-d_6): δ = 114.0 (d, J_{3CF} = 24.4 Hz, CH), 118.1 (d, J_{3CF} = 22.2 Hz, CH), 123.6 (d, J_{4CF} = 3.01 Hz, CH), 130.3 (d, J_{3CF} = 8.15 Hz, CH), 136.7 (d, J_{3CF} = 6.91 Hz, C), 161.9 (d, J_{CF} = 244.1 Hz, CF), 166.4 (CO).

4-Fluorobenzamide



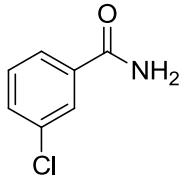
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.29-7.35 (m, 2H), 7.43 (s, 1H), 7.96-8.00 (m, 2H), 8.03 (s, 1H, NH_2); **^{13}CNMR** (DMSO-d_6): δ = 115.8 (d, *J* = 23.8 Hz, 2CH), 130.9 (d, *J* = 9.40 Hz, 2H), 131.6 (C), 164.7 (d, *J* = 248.8 Hz, CF), 167.6 (CO).

2-Chlorobenzamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 6.83-8.13 (m, 6H); **^{13}CNMR** (DMSO-d_6): δ = 127.9 (d, *J* = 13.5 Hz), 129.7, 130.6, 130.9 (CH), 138.0 (C), 169.3 (CO).

3-Chlorobenzamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.50-7.55 (m, 1H), 7.57 (s, 1H, NH_2), 7.60-7.64 (m, 1H), 7.85-7.89 (m, 1H), 7.94-7.96 (m, 1H), 8.12 (s, 1H, NH_2); **^{13}CNMR** (DMSO-d_6): δ = 127.0 (CH), 128.1 (CH), 131.1 (CH), 131.9 (CH), 134.0 (C), 137.1 (C), 167.3 (CO)

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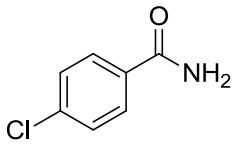
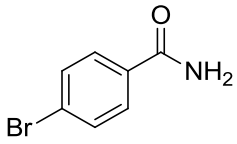
4-Chlorobenzamide



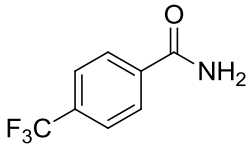
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.49 (s, 1H, NH_2), 7.54-7.58 (m, 2H), 7.91-7.95 (m, 2H), 8.08 (s, 1H, NH_2); **^{13}CNMR** (DMSO-d_6): δ = 129.2 (2CH), 130.3 (2CH), 133.9 (C), 137.0 (C), 167.7 (CO).

4-Bromobenzamide



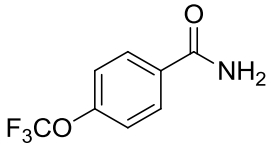
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.53 (s, 1H, NH_2), 7.66-7.71 (m, 2H), 7.83-7.89 (m, 2H), 8.10 (s, 1H, NH_2); **^{13}CNMR** (DMSO-d_6): δ = 126.0 (C), 130.5 (2CH), 132.2 (2CH), 134.3 (C), 167.9 (CO).

4-(Trifluoromethyl)benzamide



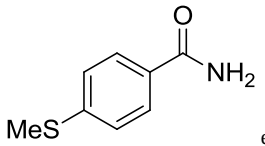
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.69 (s, 1H, NH_2), 7.85-7.89 (m, 2H), 8.10-8.13 (m, 2H), 8.26 (s, 1H, NH2); **^{13}CNMR** (DMSO-d_6): δ =124.7 (d, J_{CF3} = 273.1 Hz, CF_3), 126.2 (2CH), 129.3 (2CH), 132.1 (d, J = 31.5 Hz, C), 139.1 (C), 167.7 (CO).

4-(Trifluoromethoxy)benzamide



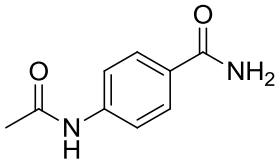
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.43-7.49 (m, 2H), 7.58 (s, 1H), 8.03-8.08 (m, 2H), 8.16 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ =121.1 (d, J_{CF3} = 253.9 Hz, OCF_3), 121.3 (2CH), 130.6 (2CH), 132.4, 134.2, 151.2 (C), 167.5 (CO).

4-(Thiomethyl)benzamide



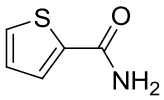
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 3.31 (s, 3H), 7.70 (s, 1H), 8.01-8.09 (m, 2H), 8.10-8.16 (m, 2H), 8.25 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 44.2 (CH_3), 127.9 (2CH), 129.3 (2CH), 139.7, 143.8 (C), 167.5 (CO).

4-Acetamidobenzamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 2.11 (s, 3H), 7.26 (s, 1H), 7.65-7.68 (m, 2H), 7.83-7.89 (m, 3H), 10.2 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 124.2 (2CH), 129.6 (2CH), 140.7, 149.8 (C), 166.9 (CO).

Thiophene-2-carboxamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.15-7.17 (m, 3H), 7.40 (s, 1H), 7.76-7.79 (m, 2H), 7.99 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 128.8, 129.6, 131.9 (CH), 141.3 (C), 163.8 (CO).

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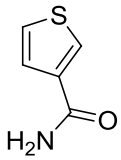
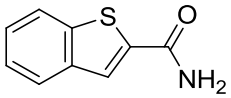
Thiophene-3-carboxamide



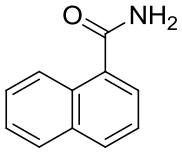
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.27 (s, 1H), 7.51-7.53 (m, 1H), 7.58-7.59 (m, 1H), 7.82 (s, 1H), 8.18-8.17 (m, 1H); **^{13}CNMR** (DMSO-d_6): δ = 127.4, 128.0, 129.9 (CH), 138.9 (C), 164.6 (CO).

Benzo[*b*]thiophene-2-carboxamide



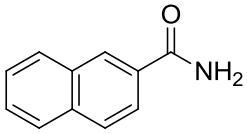
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.43-7.54 (m, 2H), 7.67 (s, 1H), 7.93-7.98 (m, 1H), 8.02-8.07 (m, 1H), 8.09-8.12 (m, 1H), 8.28 (m, 1H); **^{13}CNMR** (DMSO-d_6): δ = 123.7, 125.7, 125.9, 126.1, 127.0 (CH), 140.1, 141.2, 141.3 (C), 164.2 (CO).

1-Naphthamide



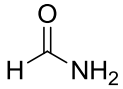
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.54-7.70 (m, 5H), 7.98-8.07 (m, 3H), 8.33-8.38 (m, 1H); **^{13}CNMR** (DMSO-d_6): δ = 125.7, 125.9, 126.4, 126.9, 127.3, 128.9, 130.4 (CH), 130.5, 133.7, 133.9, 135.4(C), 171.2 (CO).

2-Naphthamide



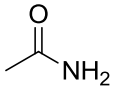
ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 7.60-7.77 (m, 3H), 7.79-8.04 (m, 4H), 8.13-8.17 (m, 1H), 8.64 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 126.2, 127.8, 128.7, 129.1, 129.3, 129.4, 130.5 (CH), 131.4, 133.2, 135.9 (C), 168.6 (CO).

Formamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 5.52 (s, 2H), 7.37 (m, 1H); **^{13}CNMR** (DMSO-d_6): δ = 160.6 (CO).

acetamide



ethyl acetate/hexane (2:1); **^{1}H NMR** (300 MHz, DMSO-d_6): δ = 1.79 (s, 3H), 6.71 (s, 1H), 7.31 (s, 1H); **^{13}CNMR** (DMSO-d_6): δ = 23.4 (CH_3), 160.6 (CO).

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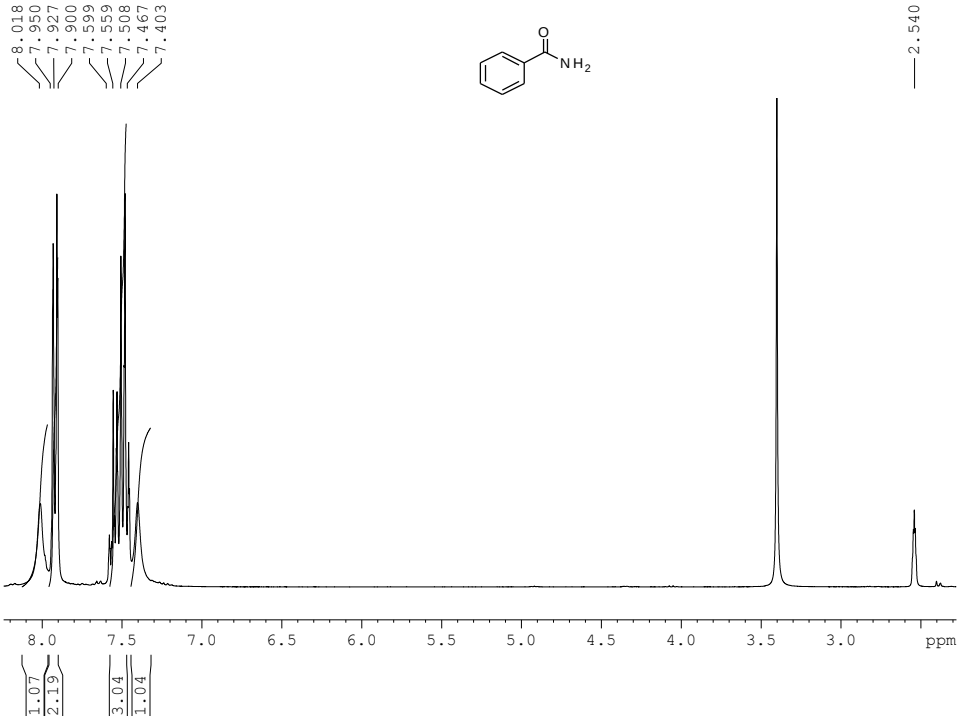


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PROCNO                    1

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TD0                       1

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PLW1           16.00000000 W

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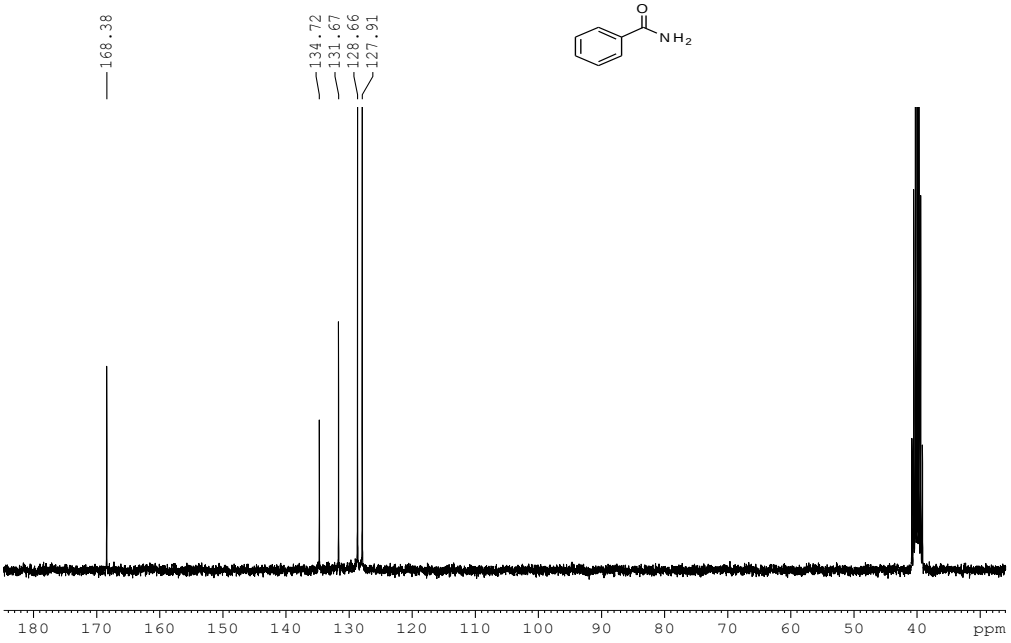


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TE                   300.1 K
D1              2.00000000 sec
D11             0.03000000 sec
D31             0.00001140 sec
D40             0.03008300 sec
L4                       40
L5                       57
P32                  90.00 usec
TD0                       1

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NUC1                    13C
P1                   11.40 usec
PLW1           30.00000000 W

======== CHANNEL f2 ========
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NUC2                     1H
CPDPRG[2           waltz16
PCPD2                90.00 usec
PLW2           16.00000000 W
PLW12           0.23901001 W
PLW13           0.19360000 W

F2 - Processing parameters
SI                    32768
SF             75.4853495 MHz
WDW                      EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

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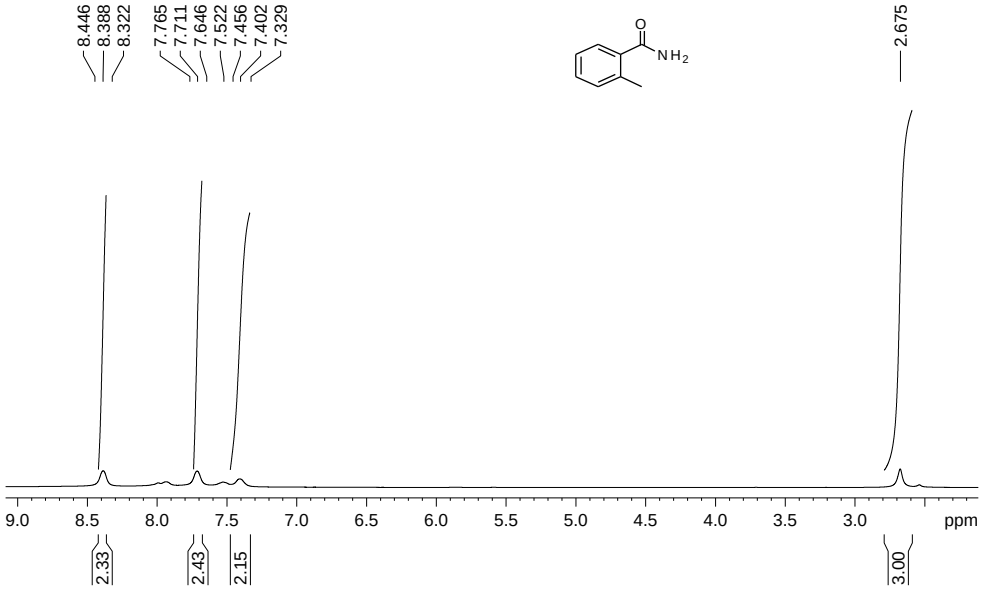
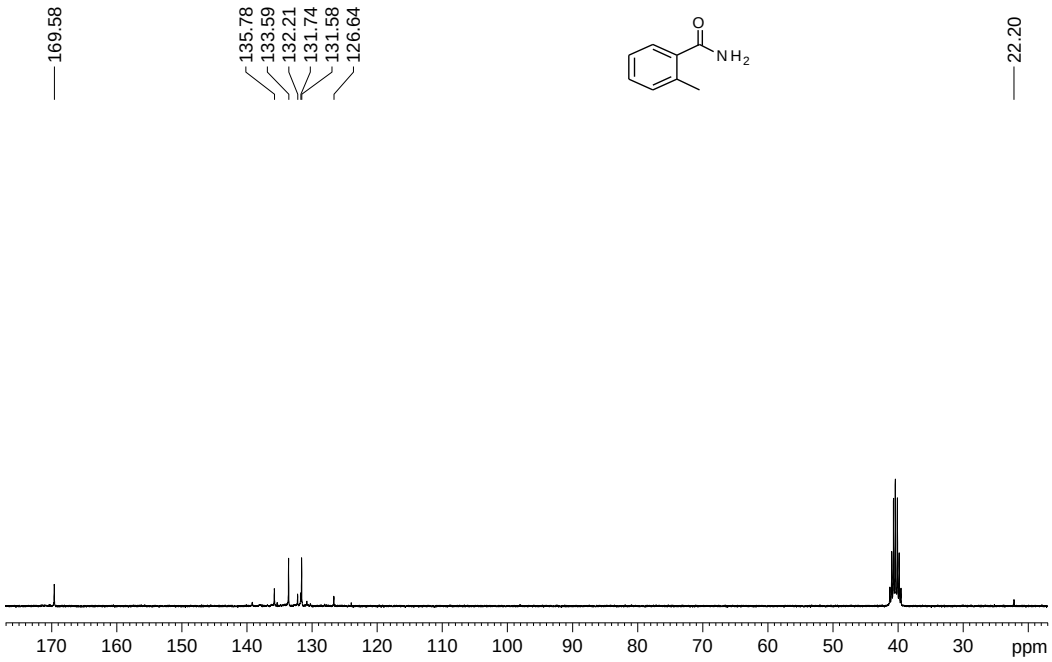



```
Current Data Parameters
NAME                  SF380
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130304
Time                 14.03
INSTRUM         FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG               zg30
TD                   65536
SOLVENT               DMSO
NS                       16
DS                        2
SWH                6103.516 Hz
FIDRES             0.093132 Hz
AQ                 5.3687091 sec
RG                   10.9033
DW                    81.920 usec
DE                     6.50 usec
TE                    297.6 K
D1                 1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1            300.2018539 MHz
NUC1                      1H
P1                     11.00 usec
PLW1           16.00000000 W

F2 - Processing parameters
SI                    65536
SF               300.1999401 MHz
WDW                      EM
SSB          0
LB                     0.30 Hz
GB           0
PC                     1.00
```




```
Current Data Parameters
NAME                  SF380
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130304
Time                 14.06
INSTRUM         FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG            zgpg30
TD                   65536
SOLVENT               DMSO
NS                      300
DS                        4
SWH               24414.063 Hz
FIDRES             0.372529 Hz
AQ                 1.3421773 sec
RG                     501.187
DW                    20.480 usec
DE                     6.50 usec
TE                    297.7 K
D1                 2.00000000 sec
D11                0.03000000 sec
D31                0.00001140 sec
D40                0.03008300 sec
L4                       40
L5                       57
P32                   90.00 usec
TD0                       1

======== CHANNEL f1 ========
SFO1            75.4928982 MHz
NUC1                     13C
P1                     11.40 usec
PLW1           30.00000000 W

======== CHANNEL f2 ========
SFO2           300.2012008 MHz
NUC2                      1H
CPDPRG[2           waltz16
PCPD2                 90.00 usec
PLW2           16.00000000 W
PLW12           0.23901001 W
PLW13           0.19360000 W

F2 - Processing parameters
SI                    32768
SF               75.4853048 MHz
WDW                      EM
SSB          0
LB                     1.00 Hz
GB           0
PC                     1.40
```

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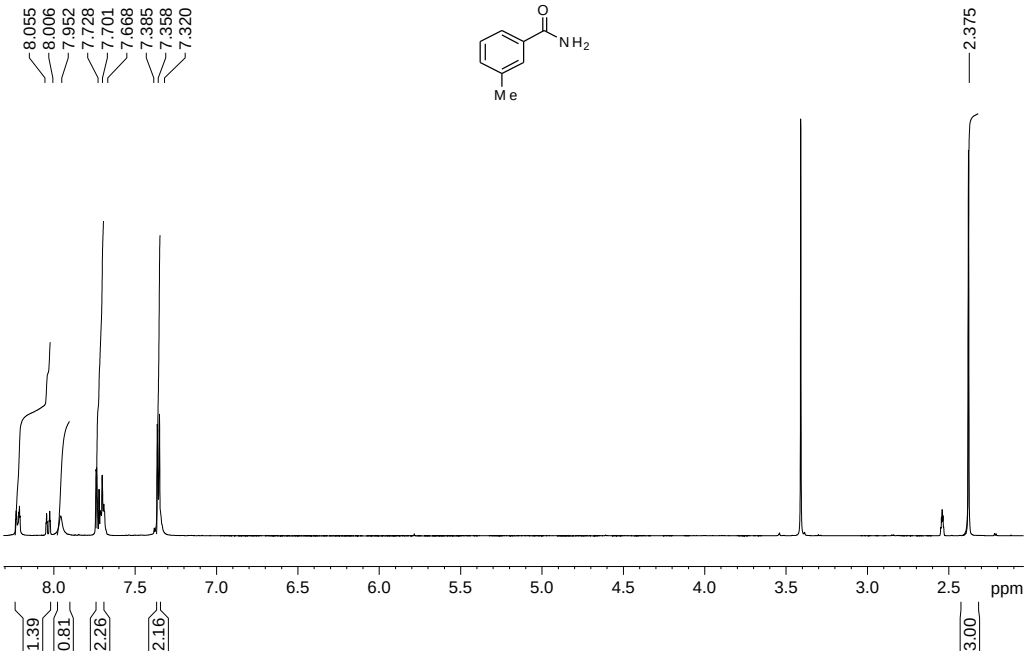


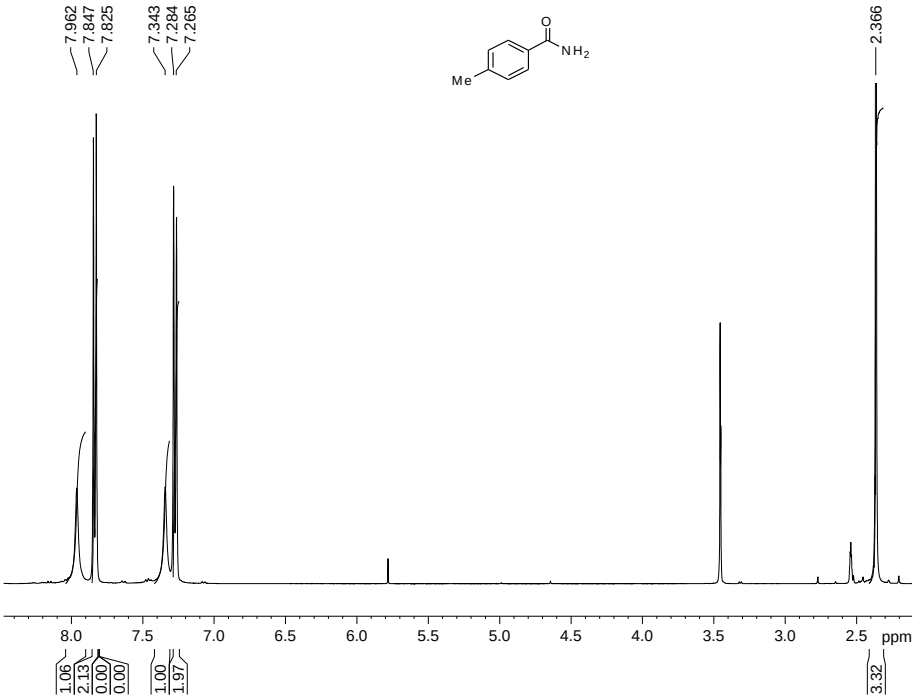
BRUKER

```
Current Data Parameters
NAME                  SF378
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130225
Time                  20.50
INSTRUM               AV400
PROBHD   5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH                8012.820 Hz
FIDRES            0.244532 Hz
AQ                2.0447233 sec
RG                      128
DW                   62.400 usec
DE                    6.00 usec
TE                   297.0 K
D1              1.50000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                    11.10 usec
PL1                   -1.00 dB
PL1W           12.26963711 W
SFO1           400.1324000 MHz

F2 - Processing parameters
SI                    32768
SF             400.1299868 MHz
WDW                      EM
SSB       0
LB                    0.10 Hz
GB        0
PC                    1.00
```



BRUKER

```
Current Data Parameters
NAME                  SF374
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130225
Time                  21.00
INSTRUM               AV400
PROBHD   5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH                8012.820 Hz
FIDRES            0.244532 Hz
AQ                2.0447233 sec
RG                     71.8
DW                   62.400 usec
DE                    6.00 usec
TE                   297.0 K
D1              1.50000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                    11.10 usec
PL1                   -1.00 dB
PL1W           12.26963711 W
SFO1           400.1324000 MHz

F2 - Processing parameters
SI                    32768
SF             400.1299866 MHz
WDW                      EM
SSB       0
LB                    0.10 Hz
GB        0
PC                    1.00
```

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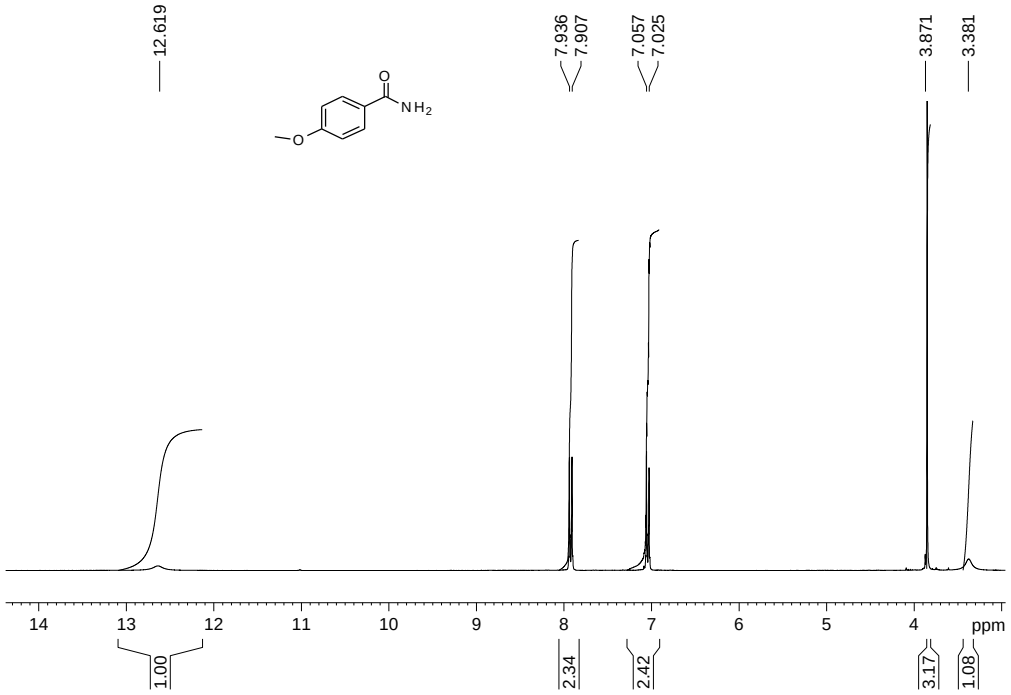
4-methoxybenzamide

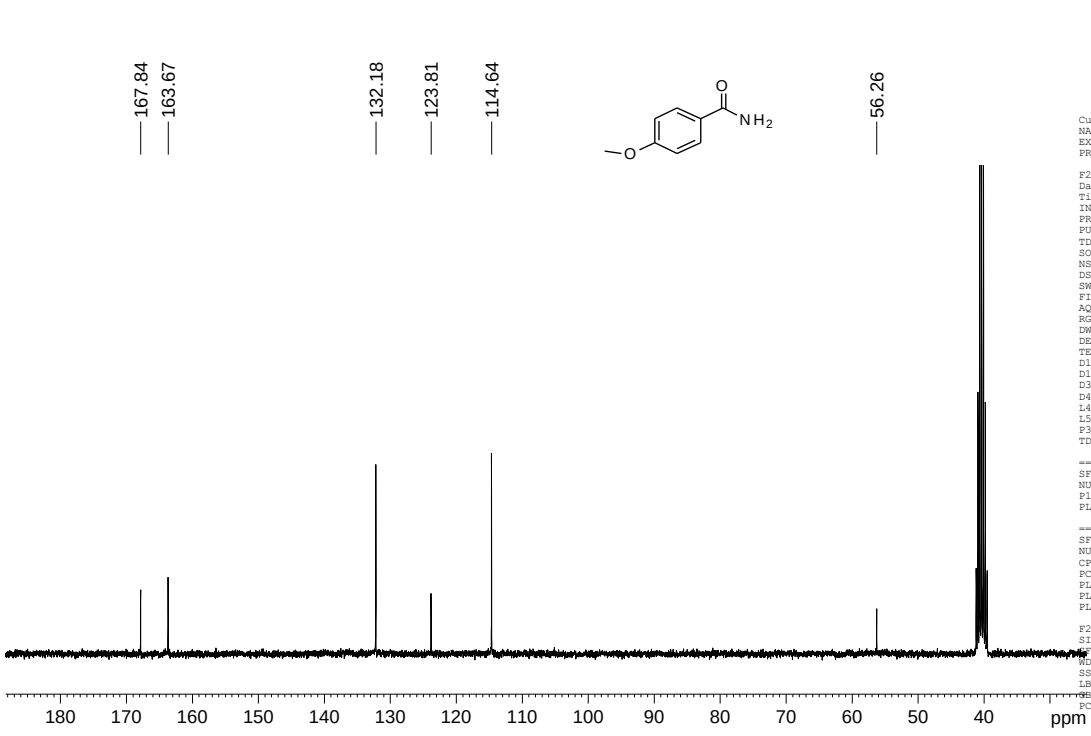



```
Current Data Parameters
NAME                  SF373
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20121211
Time                 12.38
INSTRUM         FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG               zg30
TD                   65536
SOLVENT               DMSO
NS                      32
DS                       2
SWH                6103.516 Hz
FIDRES                0.093132 Hz
AQ                 5.3687091 sec
RG                     31.623
DW                    81.920 usec
DE                     6.50 usec
TE                    300.0 K
D1                 1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1            300.2018539 MHz
NUC1                      1H
P1                    11.00 usec
PLW1           16.00000000 W

F2 - Processing parameters
SI                    65536
SF              300.1999891 MHz
WDW                      EM
SSB          0
LB                     0.30 Hz
GB           0
PC                     1.00
```




```
Current Data Parameters
NAME                  SF373
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20121211
Time                 12.42
INSTRUM         FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG             zgpg30
TD                   65536
SOLVENT               DMSO
NS                      512
DS                        4
SWH               24414.063 Hz
FIDRES                0.372529 Hz
AQ                 1.3421773 sec
RG                     501.187
DW                    20.480 usec
DE                     6.50 usec
TE                    300.1 K
D1                 2.00000000 sec
D11                0.03000000 sec
D31                0.00001140 sec
D40                0.03008300 sec
L4                       40
L5                       57
P32                   90.00 usec
TD0                       1

======== CHANNEL f1 ========
SFO1             75.4928982 MHz
NUC1                     13C
P1                    11.40 usec
PLW1           30.00000000 W

======== CHANNEL f2 ========
SFO2            300.2012008 MHz
NUC2                      1H
CPDPRG[2          waltz16
PCPD2                 90.00 usec
PLW2           16.00000000 W
PLW12           0.23901001 W
PLW13           0.19360000 W

F2 - Processing parameters
SI                    32768
SF              75.4853210 MHz
WDW                      EM
SSB          0
LB                     1.00 Hz
GB           0
PC                     1.40
```

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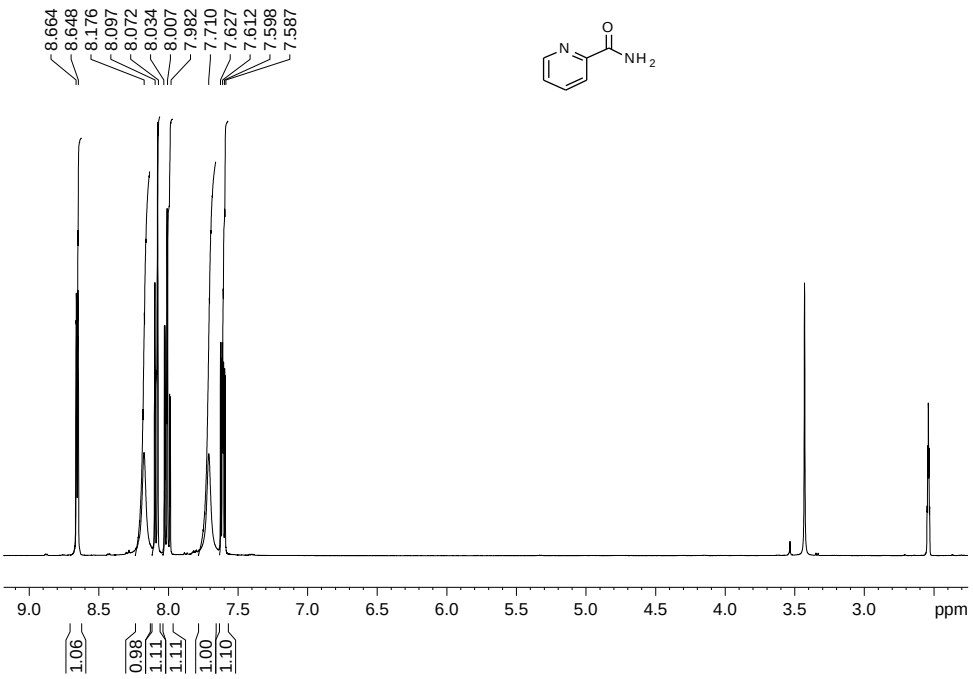
picolinamide

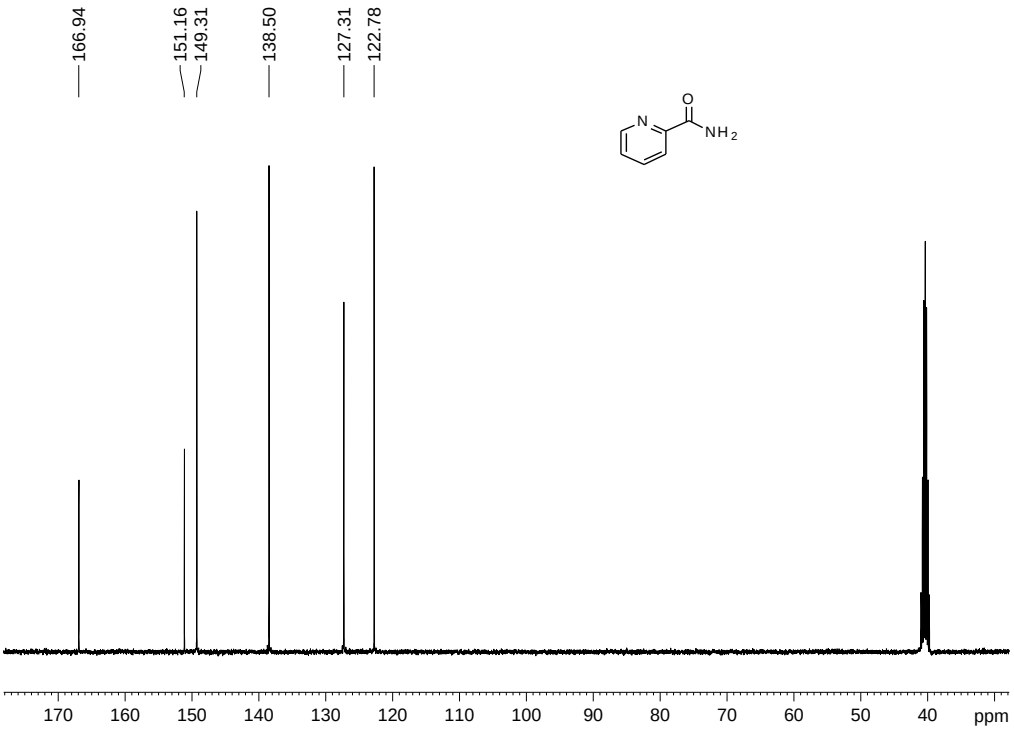



```
Current Data Parameters
NAME                  SF376
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130225
Time               22.02
INSTRUM            AV400
PROBHD   5 mm PABBO BB-
PULPROG            zg30
TD                 32768
SOLVENT            DMSO
NS                 32
DS                 4
SWH                8012.820 Hz
FIDRES             0.244532 Hz
AQ                 2.0447233 sec
RG                 114
DW                 62.400 usec
DE                 6.00 usec
TE                 297.0 K
D1                 1.50000000 sec
TD0                1

======== CHANNEL f1 ========
NUC1               1H
P1                 11.10 usec
PL1                -1.00 dB
PL1W               12.26963711 W
SFO1               400.1324000 MHz

F2 - Processing parameters
SI                 32768
SF                 400.1299870 MHz
WDW                EM
SSB       0
LB                 0.10 Hz
GB        0
PC                 1.00
```




```
Current Data Parameters
NAME                  SF376
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130225
Time               22.22
INSTRUM            AV400
PROBHD   5 mm PABBO BB-
PULPROG            zgpg30
TD                 65536
SOLVENT            DMSO
NS                 256
DS                 4
SWH                29940.119 Hz
FIDRES             0.456850 Hz
AQ                 1.0944512 sec
RG                 2298.8
DW                 16.700 usec
DE                 6.00 usec
TE                 297.0 K
D1                 1.70000005 sec
d11                0.03000000 sec
DELTA              1.60000002 sec
TD0                1
SFO1               100.6260690 MHz
NUC1               13C
P1                 10.00 usec
PLW1               -1.00000000 W
SFO2               400.1318000 MHz
NUC2               1H
CPDPRG[2           waltz16
PCPD2              100.00 usec
PLW2               -1.00000000 W
PLW12              -1.00000000 W
PLW13              -1.00000000 W

F2 - Processing parameters
SI                 32768
SF                 100.6127268 MHz
WDW                EM
SSB       0
LB                 1.00 Hz
GB        0
PC                 1.00
```

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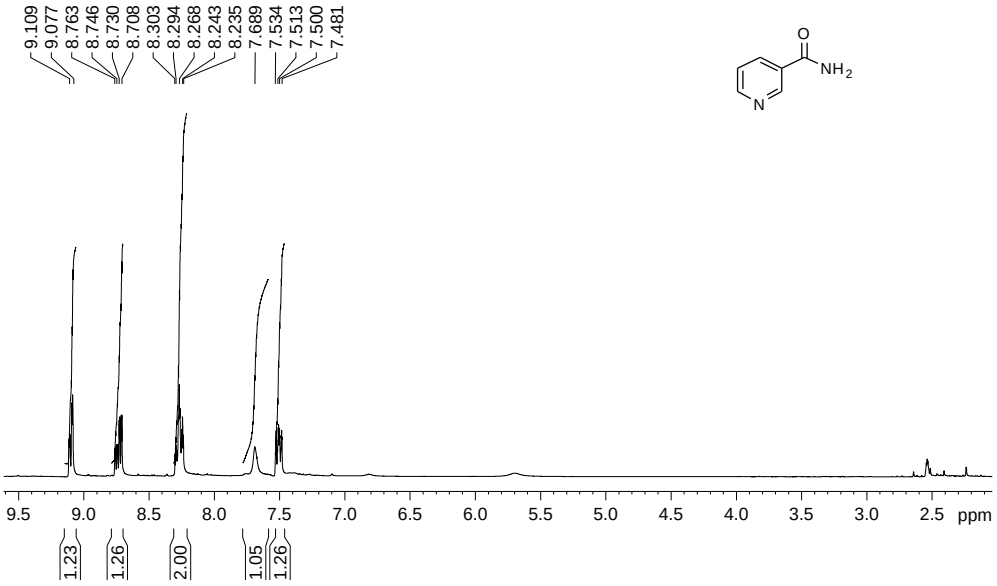
nicotinamide



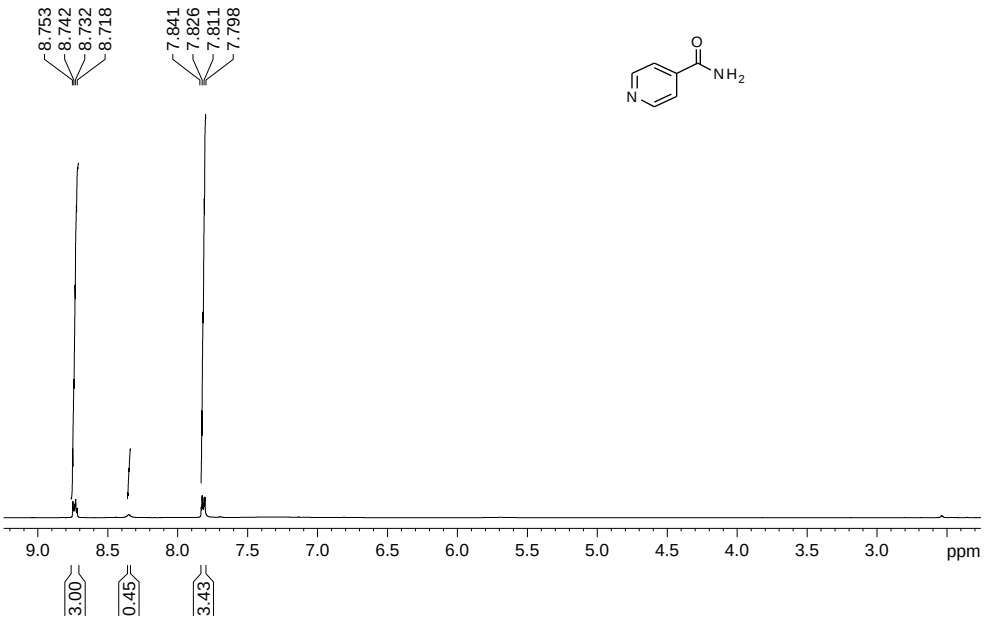

```
Current Data Parameters
NAME                  SF382
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130304
Time                  11.42
INSTRUM       FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG               zg30
TD                   65536
SOLVENT               DMSO
NS                       16
DS                        2
SWH               6103.516 Hz
FIDRES           0.093132 Hz
AQ                5.3687091 sec
RG                 9.40168
DW                  81.920 usec
DE                   6.50 usec
TE                  297.6 K
D1             1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1          300.2018539 MHz
NUC1                     1H
P1                   11.00 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                    65536
SF            300.1999861 MHz
WDW                      EM
SSB       0
LB                    0.30 Hz
GB        0
PC                    1.00
```

isonicotinamide

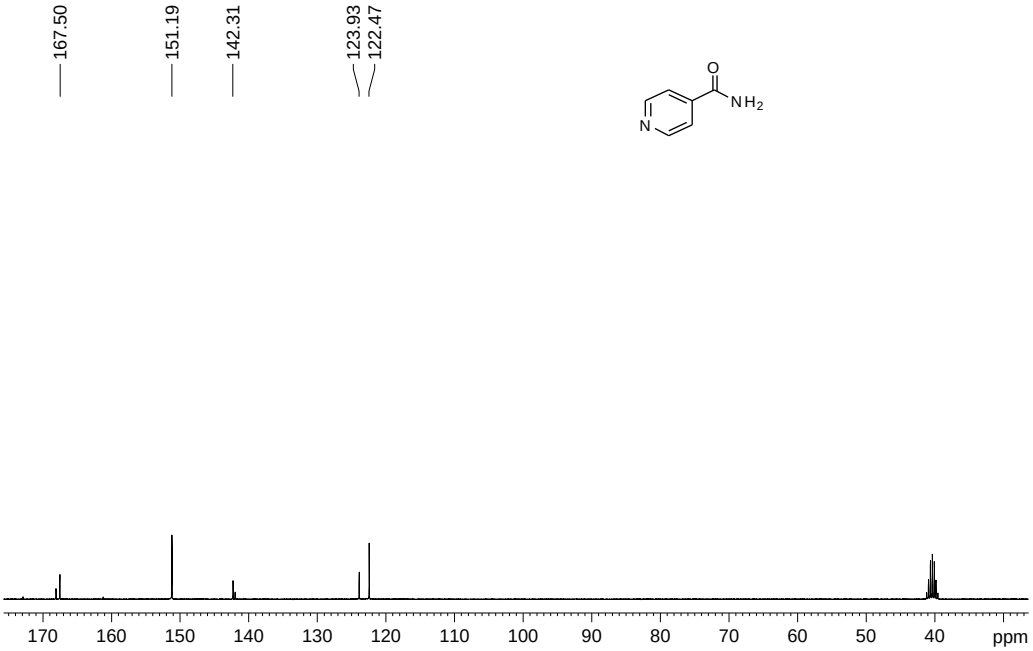



```
Current Data Parameters
NAME                  SF381
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130304
Time                  14.36
INSTRUM       FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG               zg30
TD                   65536
SOLVENT               DMSO
NS                       16
DS                        2
SWH               6103.516 Hz
FIDRES           0.093132 Hz
AQ                5.3687091 sec
RG                 8.80229
DW                  81.920 usec
DE                   6.50 usec
TE                  297.6 K
D1             1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1          300.2018539 MHz
NUC1                     1H
P1                   11.00 usec
PLW1         16.00000000 W

F2 - Processing parameters
SI                    65536
SF            300.1999865 MHz
WDW                      EM
SSB       0
LB                    0.30 Hz
GB        0
PC                    1.00
```




```
Current Data Parameters
NAME                  SF381
EXPNO                    11
PROCNO                    1

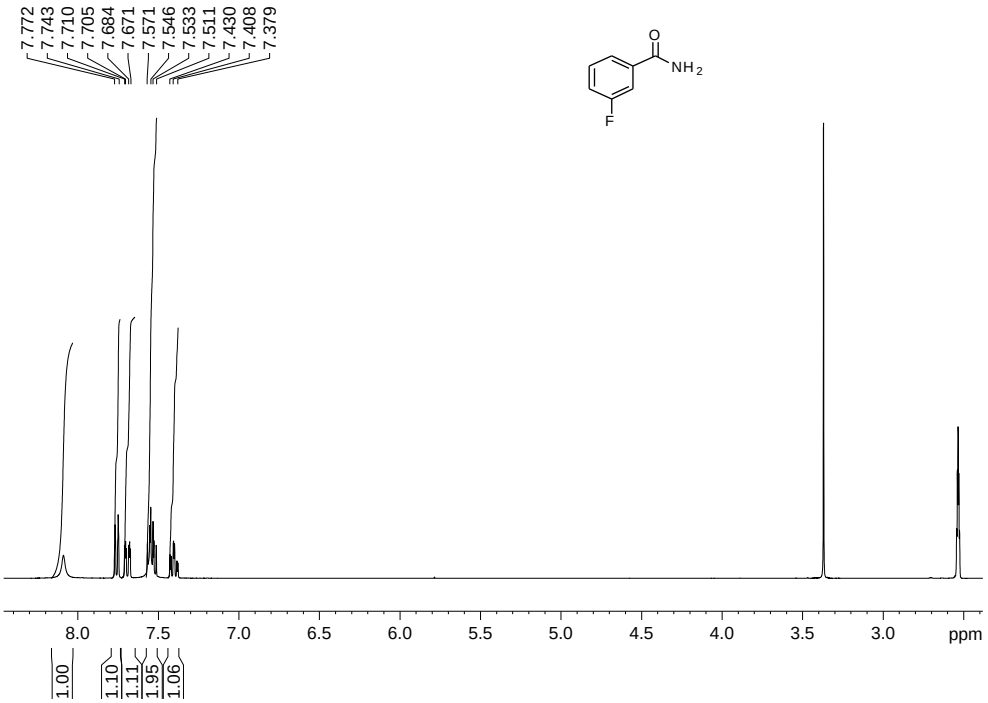
F2 - Acquisition Parameters
Date_              20130304
Time                  14.38
INSTRUM          FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG              zgpg30
TD                    65536
SOLVENT                DMSO
NS                       350
DS                         4
SWH               24414.063 Hz
FIDRES             0.372529 Hz
AQ                1.3421773 sec
RG                  501.187
DW                   20.480 usec
DE                    6.50 usec
TE                  297.7 K
D1                2.00000000 sec
D11               0.03000000 sec
D31               0.00001140 sec
D40               0.03008300 sec
L4                        40
L5                        57
P32                   90.00 usec
TD0                       1

======== CHANNEL f1 ========
SFO1             75.4928982 MHz
NUC1                    13C
P1                    11.40 usec
PLW1            30.00000000 W

======== CHANNEL f2 ========
SFO2            300.2012008 MHz
NUC2                    1H
CPDPRG[2             waltz16
PCPD2                 90.00 usec
PLW2            16.00000000 W
PLW12            0.23901001 W
PLW13            0.19360000 W

F2 - Processing parameters
SI                     32768
SF               75.4853057 MHz
WDW                       EM
SSB       0
LB                     1.00 Hz
GB        0
PC                     1.40
```

3-fluorobenzamide




```
Current Data Parameters
NAME                  SF377
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130226
Time                   6.19
INSTRUM              AV400
PROBHD    5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH                8012.820 Hz
FIDRES             0.244532 Hz
AQ                2.0447233 sec
RG                      512
DW                   62.400 usec
DE                    6.00 usec
TE                  297.0 K
D1                1.50000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                    1H
P1                   11.10 usec
PL1                  -1.00 dB
PL1W           12.26963711 W
SFO1          400.1324000 MHz

F2 - Processing parameters
SI                     32768
SF            400.1299888 MHz
WDW                       EM
SSB       0
LB                     0.10 Hz
GB        0
PC                     1.00
```

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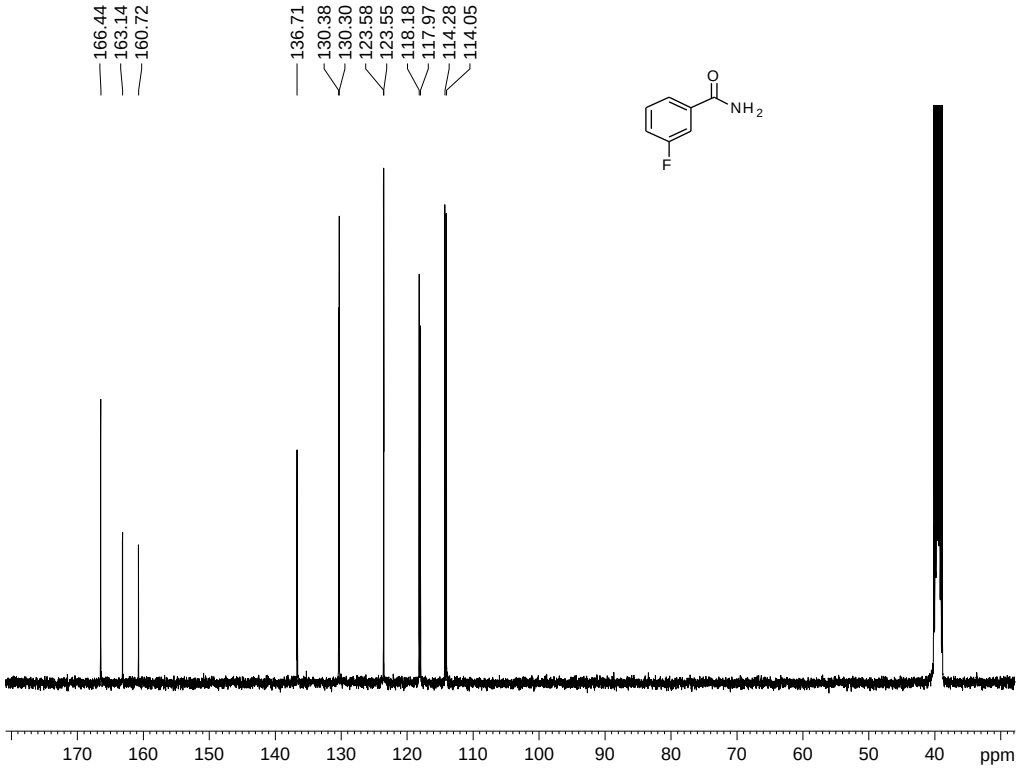
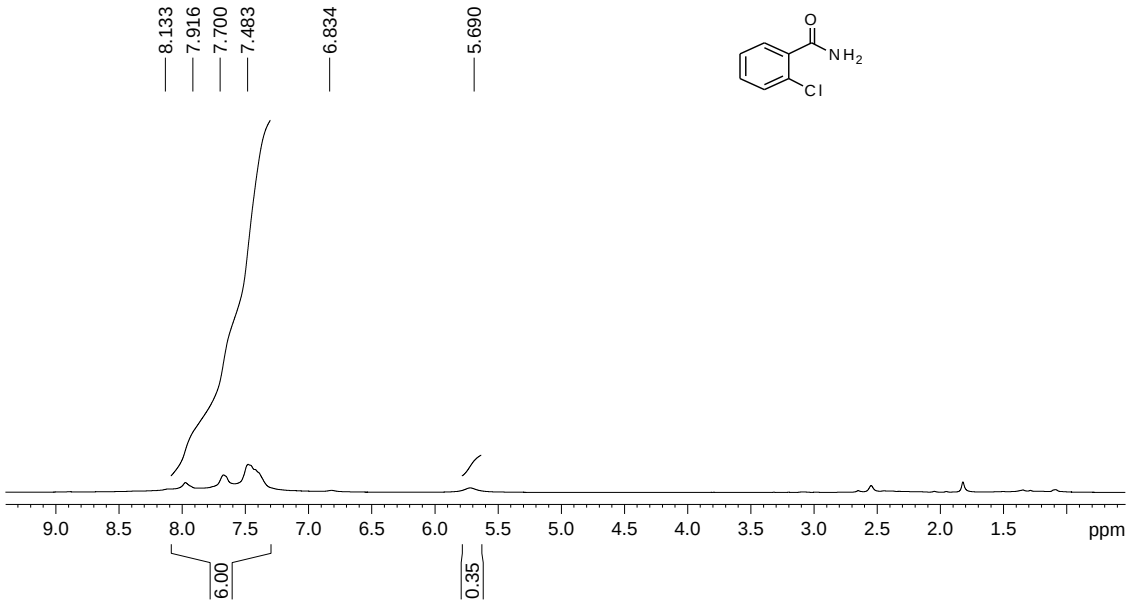



```
Current Data Parameters
NAME                  SF377
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130226
Time                   2.28
INSTRUM              AV400
PROBHD   5 mm PABBO BB-
PULPROG              zgpg30
TD                    65536
SOLVENT                DMSO
NS                     5000
DS                        4
SWH              29940.119 Hz
FIDRES               0.456850 Hz
AQ                1.0944512 sec
RG                   1625.5
DW                  16.700 usec
DE                   6.00 usec
TE                  297.0 K
D1                1.70000005 sec
d11               0.03000000 sec
DELTA             1.60000002 sec
TD0                       1
SFO1            100.6260690 MHz
NUC1                    13C
P1                   10.00 usec
PLW1             -1.00000000 W
SFO2            400.1318000 MHz
NUC2                    1H
CPDPRG[2          waltz16
PCPD2               100.00 usec
PLW2             -1.00000000 W
PLW12            -1.00000000 W
PLW13            -1.00000000 W

F2 - Processing parameters
SI                    32768
SF              100.6128193 MHz
WDW                     EM
SSB          0
LB                   1.00 Hz
GB           0
PC                   1.00
```

2-chlorobenzamide




```
Current Data Parameters
NAME                  SF406
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130304
Time                  15.11
INSTRUM          FOURIER300
PROBHD   5 mm DUL 13C-1
PULPROG                zg30
TD                    65536
SOLVENT                DMSO
NS                       16
DS                        2
SWH              6103.516 Hz
FIDRES               0.093132 Hz
AQ                5.3687091 sec
RG                   8.2139
DW                  81.920 usec
DE                   6.50 usec
TE                  297.6 K
D1                1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1            300.2018539 MHz
NUC1                    1H
P1                   11.00 usec
PLW1            16.00000000 W

F2 - Processing parameters
SI                    65536
SF              300.1999831 MHz
WDW                     EM
SSB          0
LB                   0.30 Hz
GB           0
PC                   1.00
```

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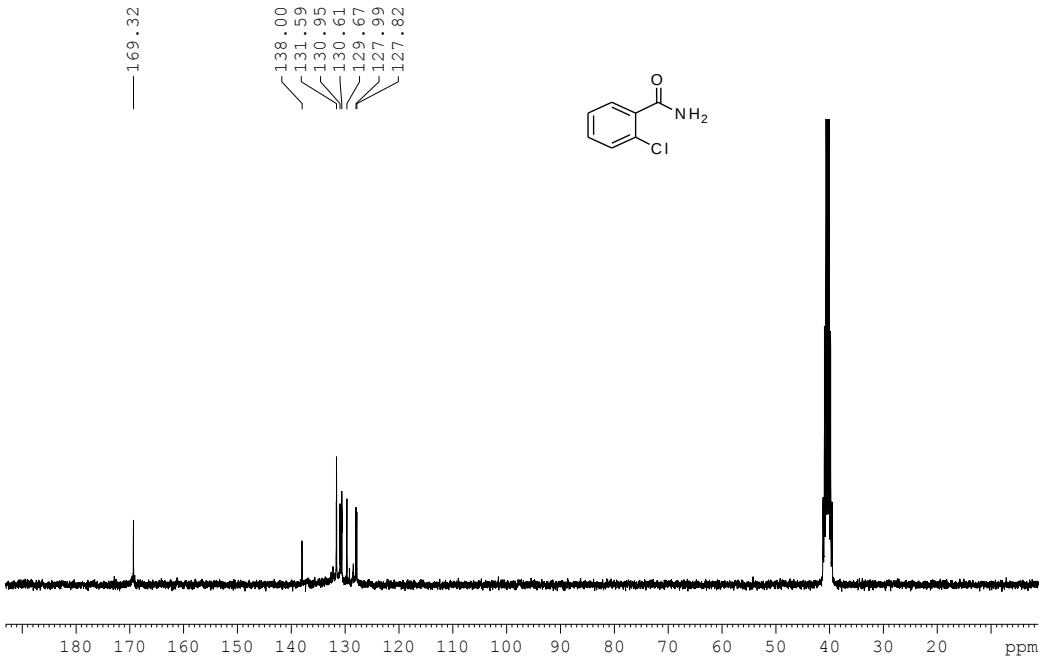



```
Current Data Parameters
NAME                  SF406
EXPNO                    12
PROCNO                    1

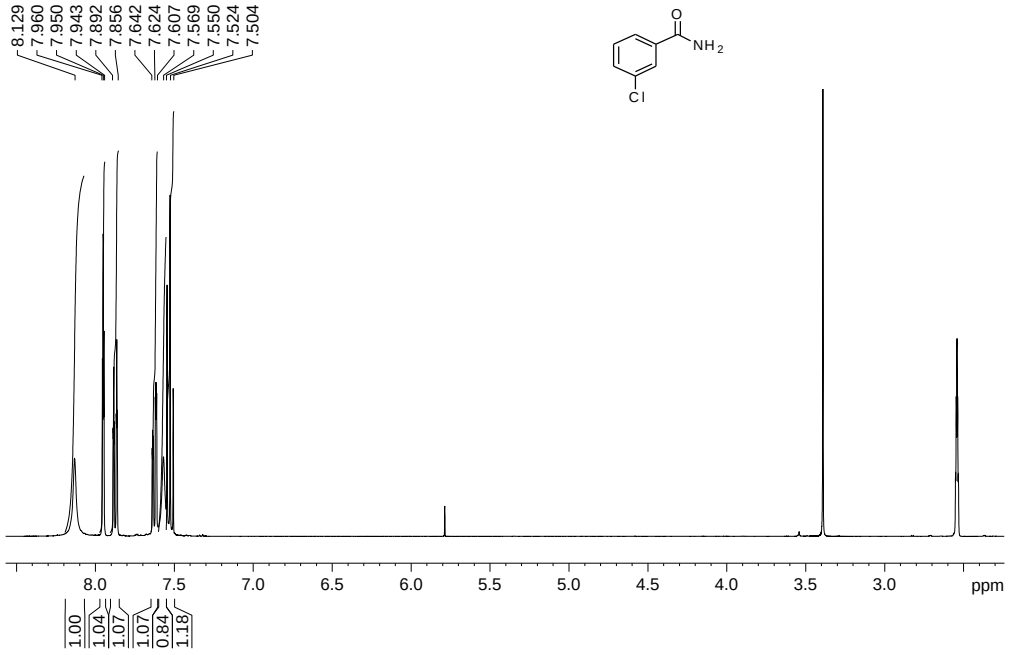
F2 - Acquisition Parameters
Date_              20130304
Time                  15.22
INSTRUM          FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG            zgpg30
TD                  65536
SOLVENT              DMSO
NS                     350
DS                       4
SWH             24414.063 Hz
FIDRES              0.372529 Hz
AQ                  1.3421773 sec
RG                    501.187
DW                   20.480 usec
DE                    6.50 usec
TE                   297.8 K
D1                2.00000000 sec
D11               0.03000000 sec
D31               0.00001140 sec
D40               0.03008300 sec
L4                       40
L5                       57
P32                   90.00 usec
TD0                       1

======== CHANNEL f1 ========
SFO1              75.4928982 MHz
NUC1                     13C
P1                    11.40 usec
PLW1             30.00000000 W

======== CHANNEL f2 ========
SFO2             300.2012008 MHz
NUC2                      1H
CPDPRG[2              waltz16
PCPD2                 90.00 usec
PLW2             16.00000000 W
PLW12             0.23901001 W
PLW13             0.19360000 W

F2 - Processing parameters
SI                       32768
SF                75.4853090 MHz
WDW                         EM
SSB          0
LB                     1.00 Hz
GB           0
PC                     1.40
```

3-chlorobenzamide




```
Current Data Parameters
NAME                  SF388
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130226
Time                   6.30
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG             zg30
TD                  32768
SOLVENT              DMSO
NS                       32
DS                        4
SWH              8012.820 Hz
FIDRES              0.244532 Hz
AQ                  2.0447233 sec
RG                      181
DW                   62.400 usec
DE                    6.00 usec
TE                   297.0 K
D1                1.50000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                      1H
P1                    11.10 usec
PL1                   -1.00 dB
PL1W             12.26963711 W
SFO1             400.1324000 MHz

F2 - Processing parameters
SI                       32768
SF               400.1299865 MHz
WDW                         EM
SSB          0
LB                     0.10 Hz
GB           0
PC                     1.00
```

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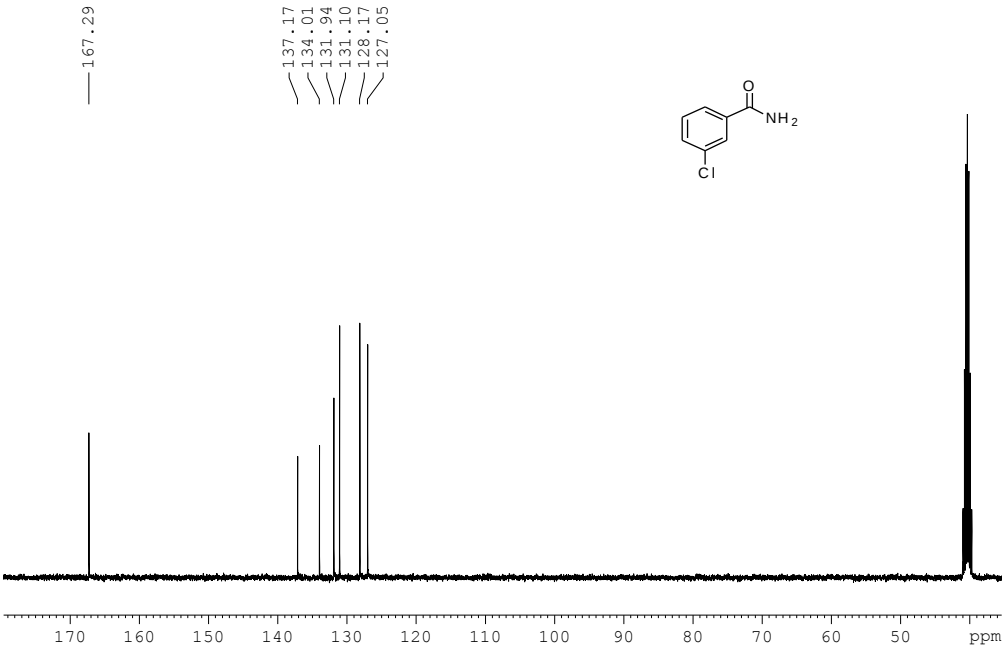
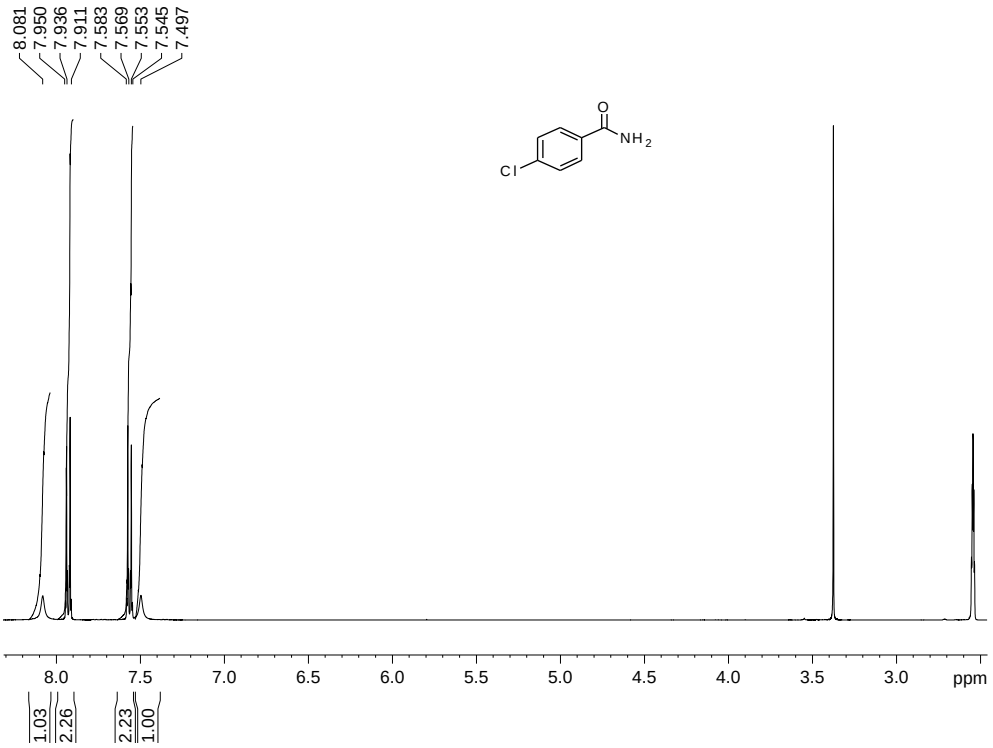



```
Current Data Parameters
NAME                  SF388
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130226
Time                   6.50
INSTRUM              AV400
PROBHD   5 mm PABBO BB-
PULPROG             zgpg30
TD                   65536
SOLVENT                DMSO
NS                       256
DS                         4
SWH              29940.119 Hz
FIDRES            0.456850 Hz
AQ                1.0944512 sec
RG                   1625.5
DW                  16.700 usec
DE                   6.00 usec
TE                  297.0 K
D1               1.70000005 sec
d11              0.03000000 sec
DELTA            1.60000002 sec
TD0                        1
SFO1           100.6260690 MHz
NUC1                    13C
P1                    10.00 usec
PLW1           -1.00000000 W
SFO2           400.1318000 MHz
NUC2                    1H
CPDPRG[2           waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                     32768
SF             100.6127279 MHz
WDW                       EM
SSB       0
LB                    1.00 Hz
GB        0
PC                    1.00
```

4-chlorobenzamide

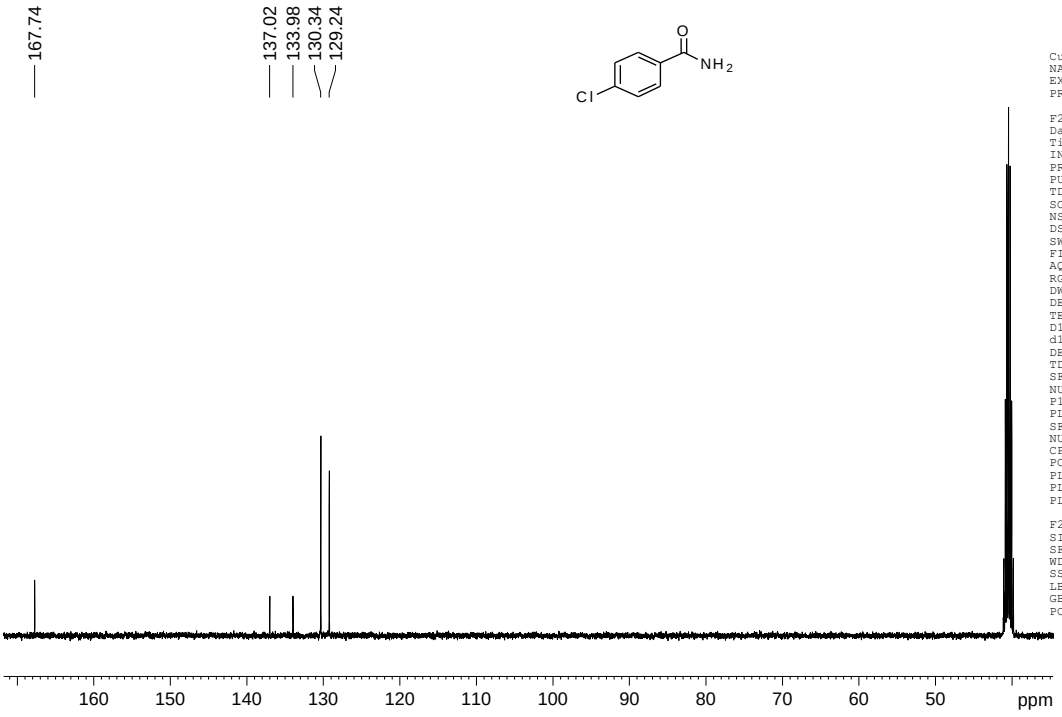



```
Current Data Parameters
NAME                  SF387
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130226
Time                   7.21
INSTRUM              AV400
PROBHD   5 mm PABBO BB-
PULPROG               zg30
TD                   32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH               8012.820 Hz
FIDRES            0.244532 Hz
AQ                2.0447233 sec
RG                      512
DW                  62.400 usec
DE                   6.00 usec
TE                  297.0 K
D1               1.50000000 sec
TD0                        1

======== CHANNEL f1 ========
NUC1                    1H
P1                   11.10 usec
PL1                  -1.00 dB
PL1W           12.26963711 W
SFO1           400.1324000 MHz

F2 - Processing parameters
SI                     32768
SF             400.1299856 MHz
WDW                       EM
SSB       0
LB                    0.10 Hz
GB        0
PC                    1.00
```

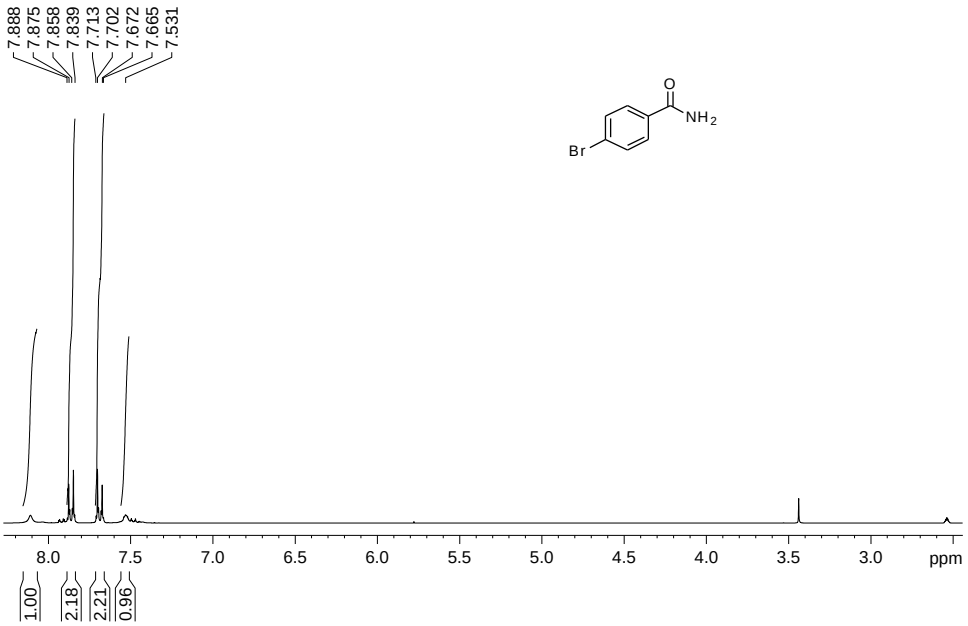



```
Current Data Parameters
NAME                  SF387
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130226
Time                   7.12
INSTRUM              AV400
PROBHD   5 mm PABBO BB-
PULPROG              zgpg30
TD                    65536
SOLVENT                DMSO
NS                       256
DS                         4
SWH              29940.119 Hz
FIDRES            0.456850 Hz
AQ                1.0944512 sec
RG                   1625.5
DW                  16.700 usec
DE                   6.00 usec
TE                   297.0 K
D1              1.70000005 sec
d11             0.03000000 sec
DELTA           1.60000002 sec
TD0                        1
SFO1           100.6260690 MHz
NUC1                    13C
P1                    10.00 usec
PLW1           -1.00000000 W
SFO2           400.1318000 MHz
NUC2                    1H
CPDPRG[2             waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                     32768
SF             100.6127203 MHz
WDW                       EM
SSB       0
LB                    1.00 Hz
GB        0
PC                    1.00
```

4-bromobenzamide




```
Current Data Parameters
NAME                  SF384
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130227
Time                   2.42
INSTRUM              AV300
PROBHD   5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH               6172.839 Hz
FIDRES            0.188380 Hz
AQ                2.6542079 sec
RG                     114
DW                  81.000 usec
DE                   6.00 usec
TE                   294.4 K
D1              1.00000000 sec
TD0                        1

======== CHANNEL f1 ========
NUC1                    1H
P1                   11.00 usec
PL1       0 dB
SFO1           300.1318534 MHz

F2 - Processing parameters
SI                     32768
SF             300.1299898 MHz
WDW                       EM
SSB       0
LB                    0.10 Hz
GB        0
PC                    1.00
```

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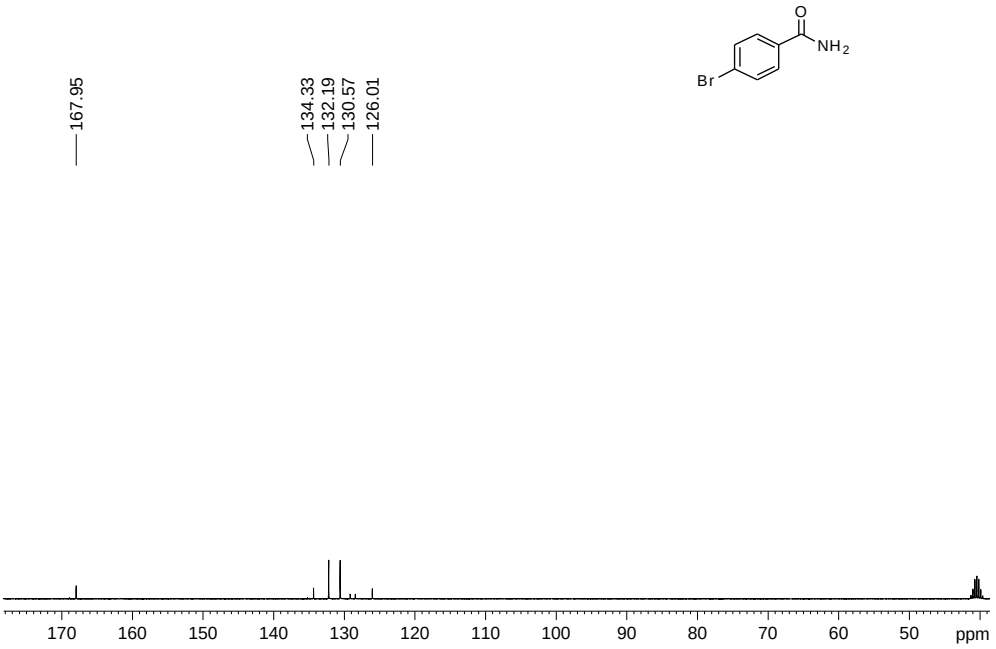
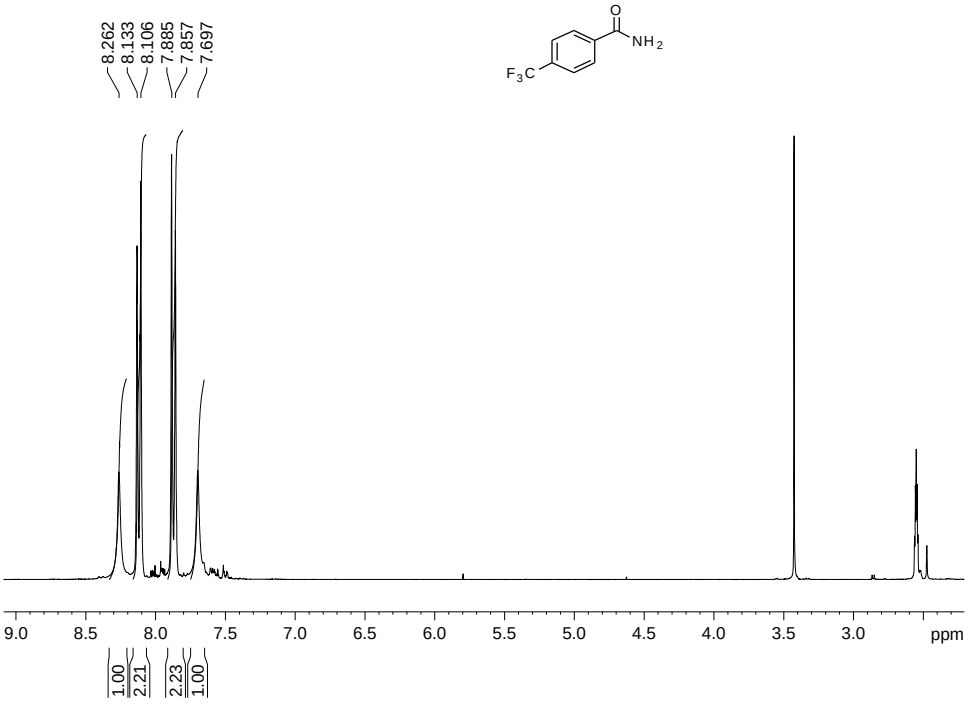



```
Current Data Parameters
NAME                  SF384
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130227
Time                   2.32
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG             zgpg30
TD                   32768
SOLVENT                DMSO
NS                       256
DS                         4
SWH              21097.047 Hz
FIDRES            0.643831 Hz
AQ                0.7766016 sec
RG                     32768
DW                  23.700 usec
DE                   6.00 usec
TE                   294.9 K
D1              2.00000000 sec
d11             0.03000000 sec
DELTA           1.89999998 sec
TD0                        1
SFO1            75.4771825 MHz
NUC1                     13C
P1                    9.60 usec
PLW1           -1.00000000 W
SFO2           300.1312005 MHz
NUC2                     1H
CPDPRG[2            waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                     32768
SF              75.4677113 MHz
WDW                       EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

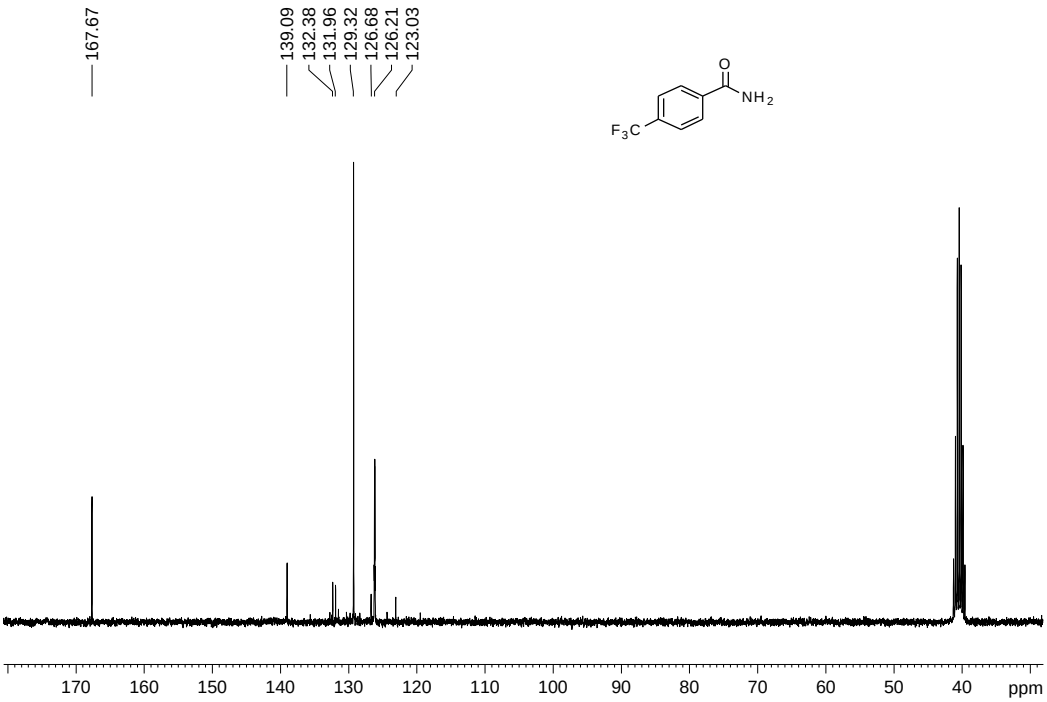



```
Current Data Parameters
NAME                  SF389
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                   0.01
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG                zg30
TD                   32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH              6172.839 Hz
FIDRES           0.188380 Hz
AQ               2.6542079 sec
RG                    161.3
DW                  81.000 usec
DE                   6.00 usec
TE                   294.4 K
D1              1.00000000 sec
TD0                        1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.00 usec
PL1          0 dB
SFO1          300.1318534 MHz

F2 - Processing parameters
SI                     32768
SF            300.1299859 MHz
WDW                       EM
SSB          0
LB                    0.10 Hz
GB           0
PC                    1.00
```

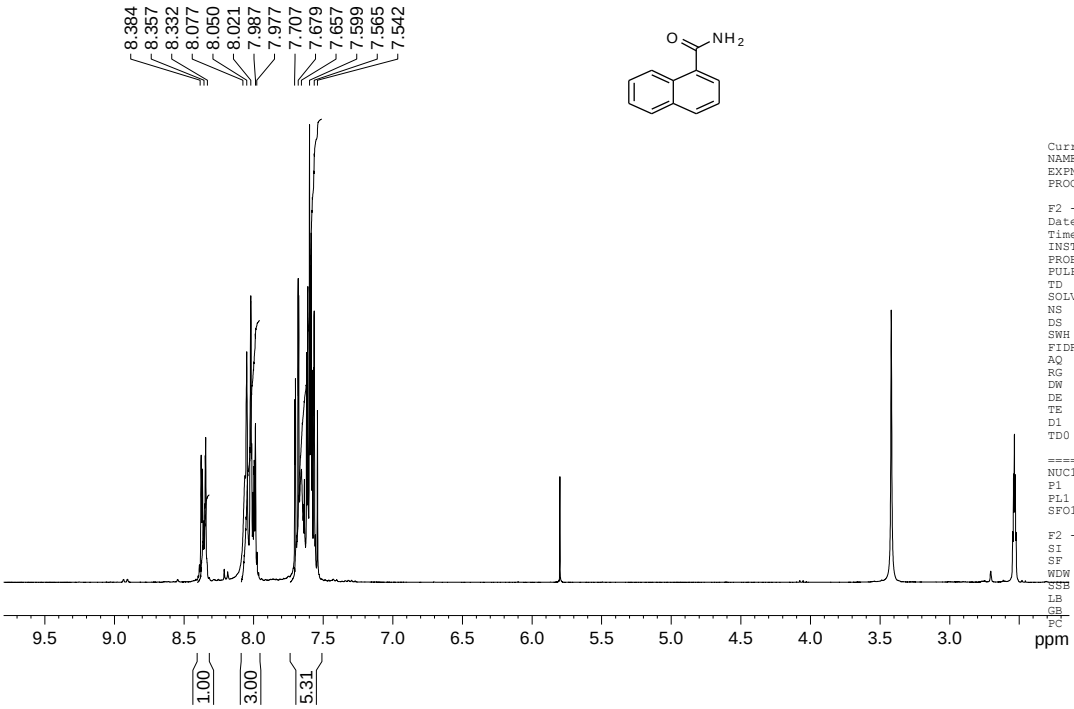



```
Current Data Parameters
NAME                  SF389
EXPNO                    12
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                   0.21
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG             zgpg30
TD                   32768
SOLVENT                DMSO
NS                       256
DS                         4
SWH               21097.047 Hz
FIDRES             0.643831 Hz
AQ                 0.7766016 sec
RG                     32768
DW                  23.700 usec
DE                   6.00 usec
TE                   294.9 K
D1                2.00000000 sec
d11               0.03000000 sec
DELTA             1.89999998 sec
TD0                        1
SFO1              75.4771825 MHz
NUC1                     13C
P1                    9.60 usec
PLW1             -1.00000000 W
SFO2             300.1312005 MHz
NUC2                     1H
CPDPRG[2              waltz16
PCPD2                100.00 usec
PLW2             -1.00000000 W
PLW12            -1.00000000 W
PLW13            -1.00000000 W

F2 - Processing parameters
SI                       32768
SF                75.4677113 MHz
WDW                         EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

1-naphthamide

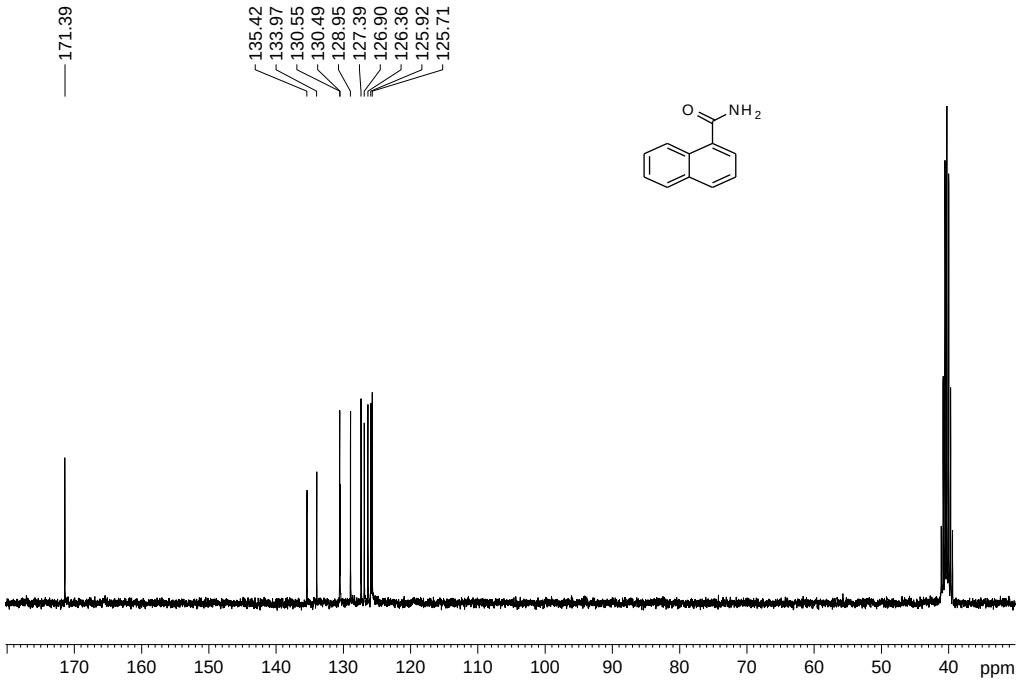



```
Current Data Parameters
NAME                  SF390
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130227
Time                   7.41
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG               zg30
TD                   32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH               6172.839 Hz
FIDRES            0.188380 Hz
AQ                2.6542079 sec
RG                    143.7
DW                  81.000 usec
DE                   6.00 usec
TE                   294.5 K
D1                1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.00 usec
PL1          0 dB
SFO1          300.1318534 MHz

F2 - Processing parameters
SI                       32768
SF                300.1299907 MHz
WDW                         EM
SSB          0
LB                    0.10 Hz
GB           0
PC                    1.00
```

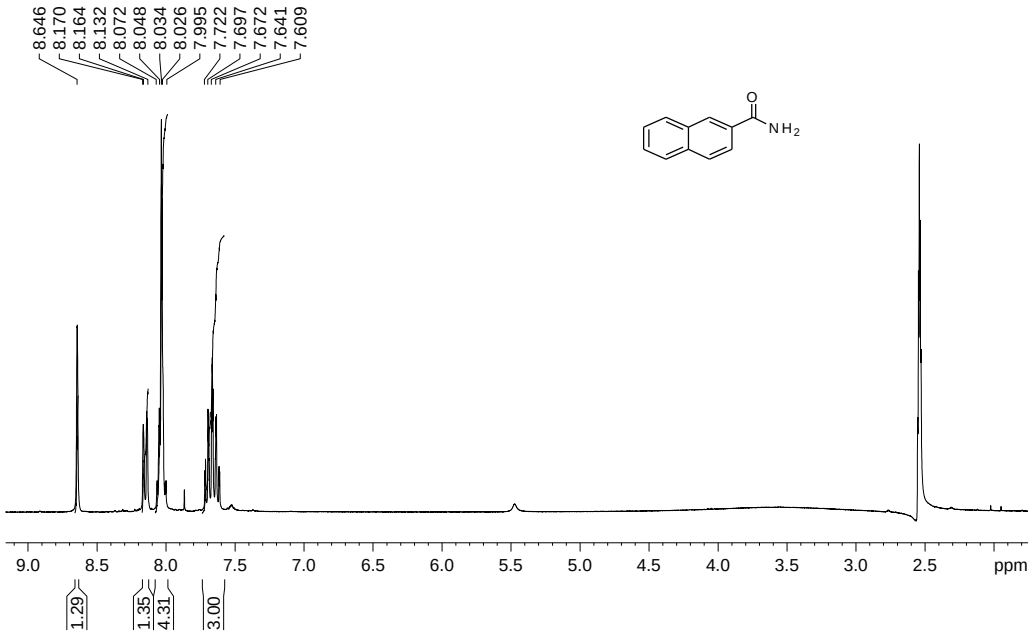



```
Current Data Parameters
NAME                  SF390
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130227
Time                  7.54
INSTRUM              AV300
PROBHD   5 mm PABBO BB-
PULPROG              zgpg30
TD                    32768
SOLVENT                DMSO
NS                       256
DS                         4
SWH              21097.047 Hz
FIDRES            0.643831 Hz
AQ                0.7766016 sec
RG                    32768
DW                   23.700 usec
DE                    6.00 usec
TE                   295.0 K
D1              2.00000000 sec
d11             0.03000000 sec
DELTA           1.89999998 sec
TD0                       1
SFO1            75.4771825 MHz
NUC1                    13C
P1                    9.60 usec
PLW1           -1.00000000 W
SFO2           300.1312005 MHz
NUC2                    1H
CPDPRG[2            waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                    32768
SF              75.4677251 MHz
WDW                      EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

2-naphthamide




```
Current Data Parameters
NAME                SF392A
EXPNO                   10
PROCNO                   1

F2 - Acquisition Parameters
Date_              20130226
Time                  7.17
INSTRUM              AV300
PROBHD   5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH               6172.839 Hz
FIDRES            0.188380 Hz
AQ                2.6542079 sec
RG                    322.5
DW                   81.000 usec
DE                    6.00 usec
TE                   294.0 K
D1              1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                    1H
P1                   11.00 usec
PL1          0 dB
SFO1           300.1318534 MHz

F2 - Processing parameters
SI                    32768
SF             300.1299890 MHz
WDW                      EM
SSB          0
LB                    0.10 Hz
GB           0
PC                    1.00
```

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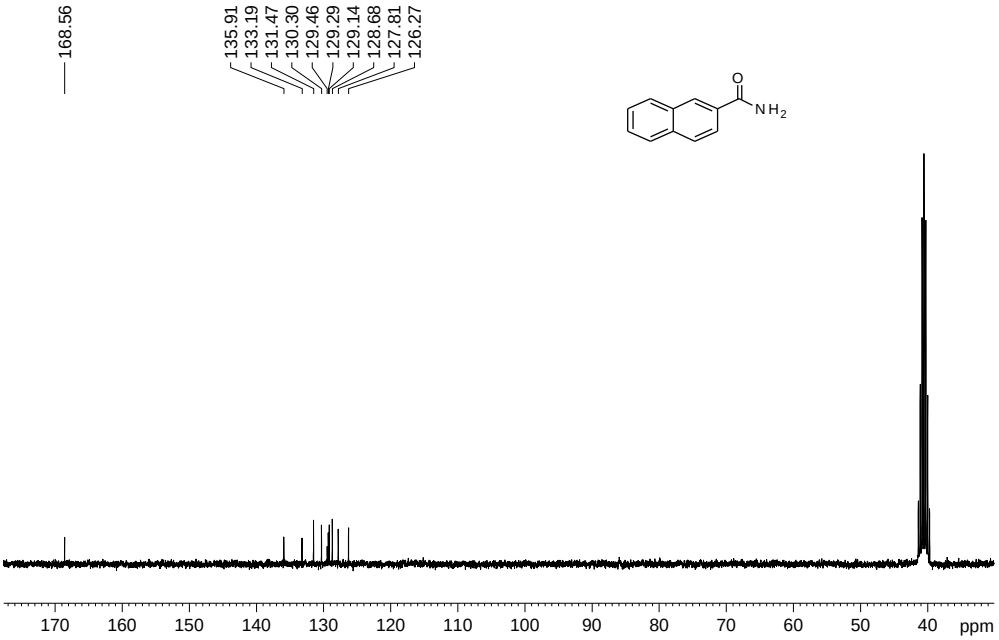
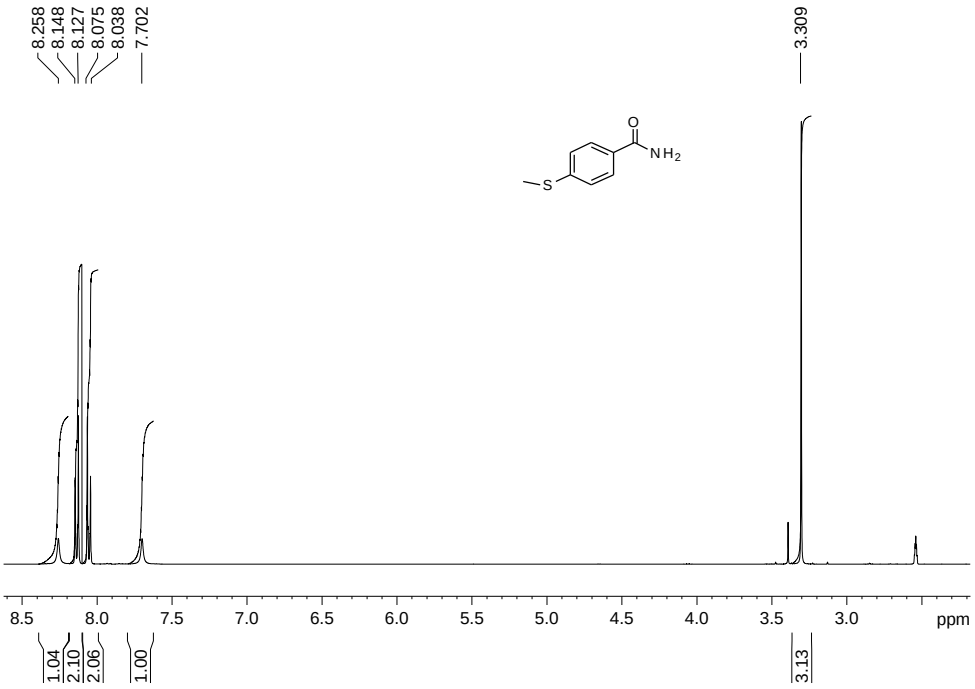



```
Current Data Parameters
NAME                  SF392A
EXPNO                     11
PROCNO                     1

F2 - Acquisition Parameters
Date_              20130226
Time_                  7.32
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG              zgpg30
TD                    32768
SOLVENT                DMSO
NS                      256
DS                        4
SWH               21097.047 Hz
FIDRES             0.643831 Hz
AQ                 0.7766016 sec
RG                    32768
DW                   23.700 usec
DE                    6.00 usec
TE                   294.6 K
D1                2.00000000 sec
d11               0.03000000 sec
DELTA             1.89999998 sec
TD0                       1
SFO1             75.4771825 MHz
NUC1                    13C
P1                    9.60 usec
PLW1             -1.00000000 W
SFO2            300.1312005 MHz
NUC2                    1H
CPDPRG[2             waltz16
PCPD2                100.00 usec
PLW2             -1.00000000 W
PLW12            -1.00000000 W
PLW13            -1.00000000 W

F2 - Processing parameters
SI                    32768
SF               75.4677053 MHz
WDW                      EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

4-(methylthio)benzamide

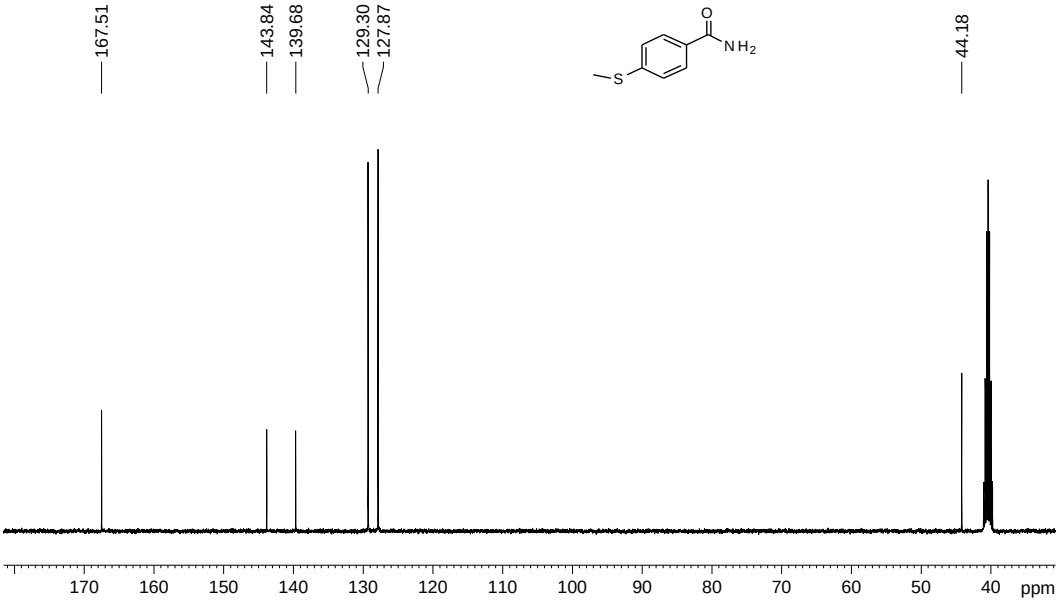



```
Current Data Parameters
NAME                  SF383
EXPNO                     10
PROCNO                     1

F2 - Acquisition Parameters
Date_              20130301
Time_                 16.19
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG               zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH                8012.820 Hz
FIDRES             0.244532 Hz
AQ                 2.0447233 sec
RG                    161.3
DW                   62.400 usec
DE                    6.00 usec
TE                   297.0 K
D1                1.50000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                     1H
P1                   11.10 usec
PL1                  -1.00 dB
PL1W              12.26963711 W
SFO1             400.1324000 MHz

F2 - Processing parameters
SI                    32768
SF               400.1299865 MHz
WDW                      EM
SSB          0
LB                    0.10 Hz
GB           0
PC                    1.00
```

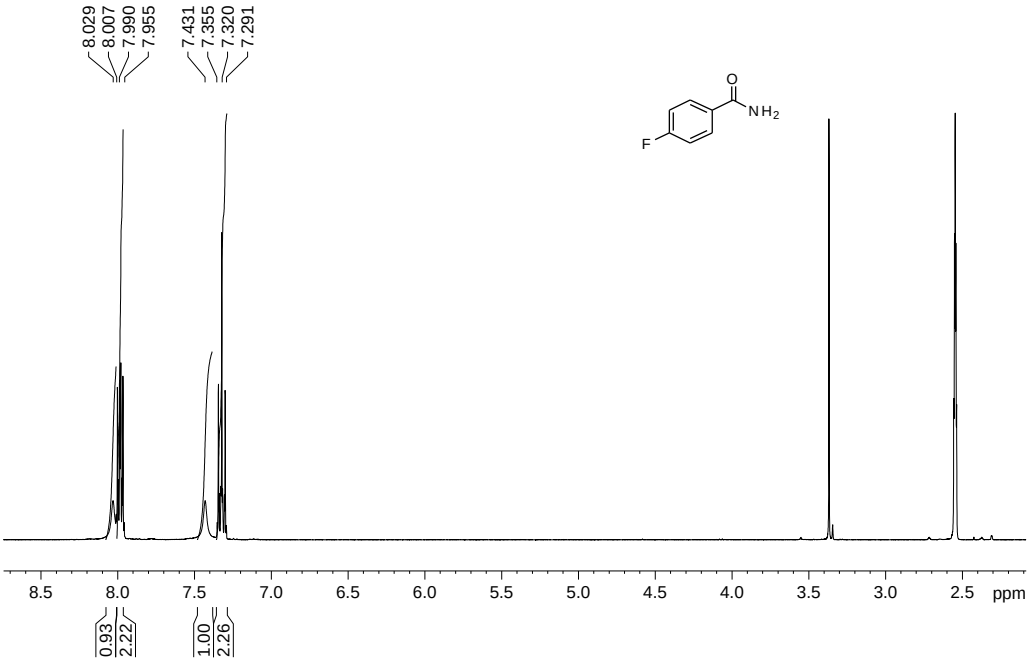



```
Current Data Parameters
NAME                  SF383
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time_                 16.32
INSTRUM              AV400
PROBHD    5 mm PABBO BB-
PULPROG              zgpg30
TD                    65536
SOLVENT                DMSO
NS                       256
DS                         4
SWH               29940.119 Hz
FIDRES            0.456850 Hz
AQ                1.0944512 sec
RG                   2298.8
DW                   16.700 usec
DE                    6.00 usec
TE                   297.0 K
D1                1.70000005 sec
d11               0.03000000 sec
DELTA             1.60000002 sec
TD0                        1
SFO1            100.6260690 MHz
NUC1                    13C
P1                    10.00 usec
PLW1             -1.00000000 W
SFO2            400.1318000 MHz
NUC2                    1H
CPDPRG[2            waltz16
PCPD2                100.00 usec
PLW2             -1.00000000 W
PLW12            -1.00000000 W
PLW13            -1.00000000 W

F2 - Processing parameters
SI                     32768
SF              100.6127259 MHz
WDW                       EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.00
```

4-fluorobenzamide

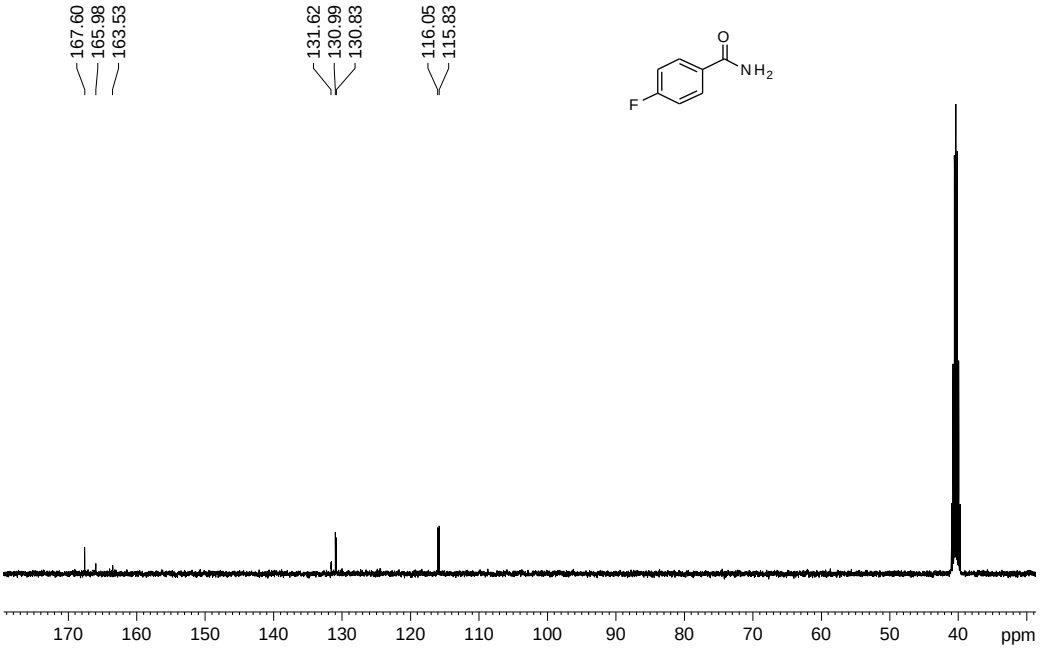



```
Current Data Parameters
NAME                  SF386
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time_                 16.49
INSTRUM              AV400
PROBHD    5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                         4
SWH                8012.820 Hz
FIDRES            0.244532 Hz
AQ                2.0447233 sec
RG                       512
DW                    62.400 usec
DE                    6.00 usec
TE                   297.0 K
D1                1.50000000 sec
TD0                        1

======== CHANNEL f1 ========
NUC1                    1H
P1                    11.10 usec
PL1                   -1.00 dB
PL1W            12.26963711 W
SFO1            400.1324000 MHz

F2 - Processing parameters
SI                     32768
SF              400.1299842 MHz
WDW                       EM
SSB          0
LB                    0.10 Hz
GB           0
PC                    1.00
```

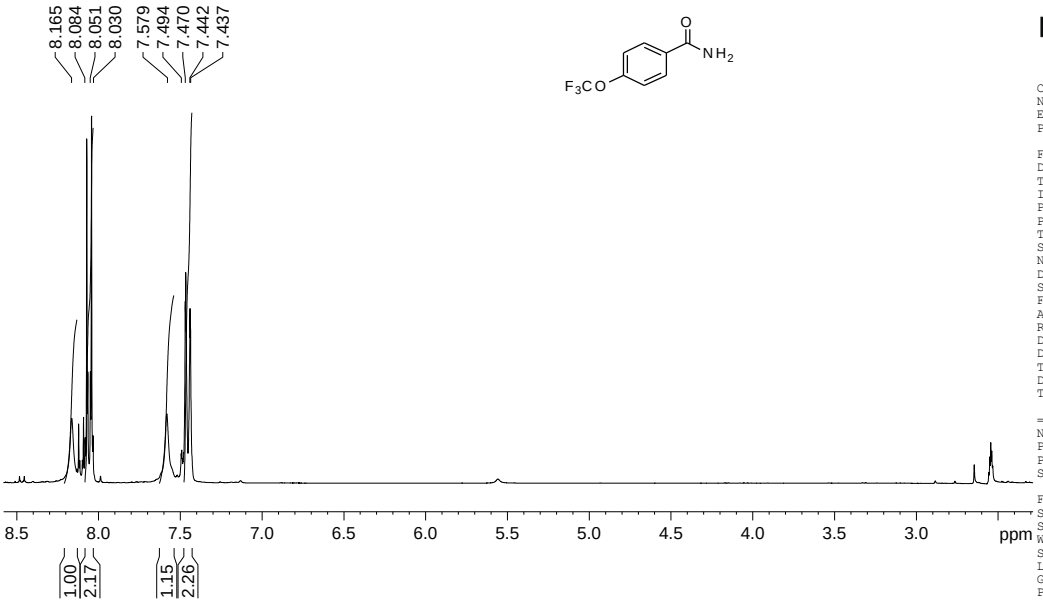



```
Current Data Parameters
NAME                  SF386
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                  17.03
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG             zgpg30
TD                   65536
SOLVENT               DMSO
NS                     256
DS                       4
SWH              29940.119 Hz
FIDRES           0.456850 Hz
AQ               1.0944512 sec
RG                    2048
DW                  16.700 usec
DE                   6.00 usec
TE                  297.0 K
D1              1.70000005 sec
d11             0.03000000 sec
DELTA           1.60000002 sec
TD0                       1
SFO1           100.6260690 MHz
NUC1                    13C
P1                   10.00 usec
PLW1           -1.00000000 W
SFO2           400.1318000 MHz
NUC2                    1H
CPDPRG[2             waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                    32768
SF             100.6127332 MHz
WDW                      EM
SSB       0
LB                    1.00 Hz
GB        0
PC                    1.00
```

4-(trifluoromethoxy)benzamide

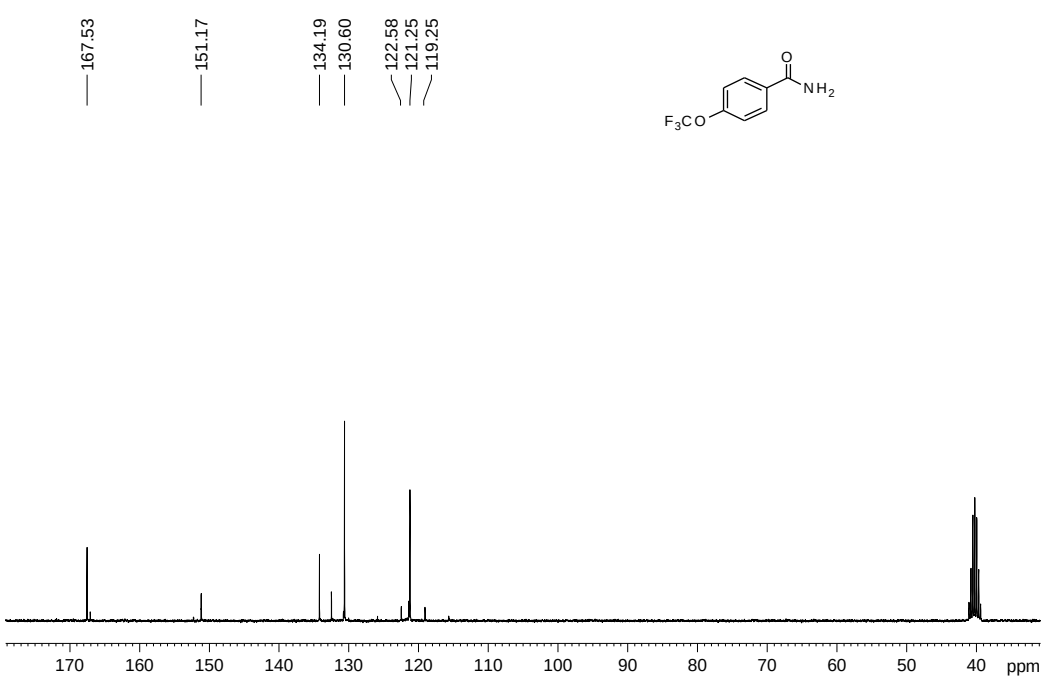



```
Current Data Parameters
NAME                  SF393
EXPNO                    13
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                   3.07
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG               zg30
TD                   32768
SOLVENT               DMSO
NS                       32
DS                       4
SWH               6172.839 Hz
FIDRES           0.188380 Hz
AQ               2.6542079 sec
RG                    101.6
DW                  81.000 usec
DE                   6.00 usec
TE                  294.3 K
D1              1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
NUC1                    1H
P1                  11.00 usec
PL1       0 dB
SFO1          300.1318534 MHz

F2 - Processing parameters
SI                    32768
SF             300.1299877 MHz
WDW                      EM
SSB       0
LB                    0.10 Hz
GB        0
PC                    1.00
```

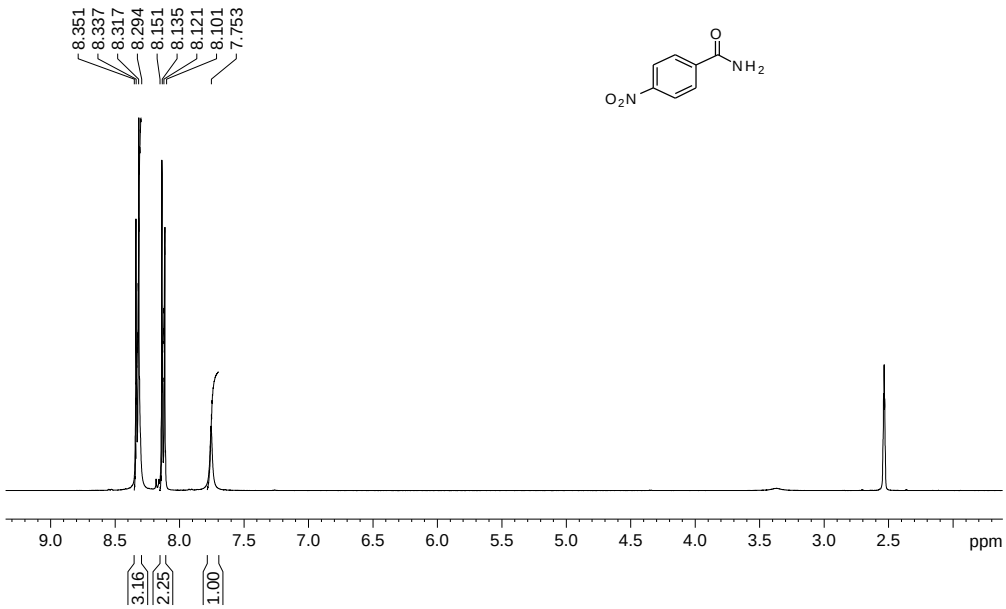



```
Current Data Parameters
NAME                  SF393
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                   2.50
INSTRUM               AV300
PROBHD    5 mm PABBO BB-
PULPROG               zgpg30
TD                     32768
SOLVENT                DMSO
NS                       256
DS                         4
SWH               21097.047 Hz
FIDRES             0.643831 Hz
AQ                 0.7766016 sec
RG                     32768
DW                  23.700 usec
DE                   6.00 usec
TE                   294.9 K
D1                2.00000000 sec
d11               0.03000000 sec
DELTA             1.89999998 sec
TD0                        1
SFO1              75.4771825 MHz
NUC1                      13C
P1                   9.60 usec
PLW1             -1.00000000 W
SFO2             300.1312005 MHz
NUC2                      1H
CPDPRG[2               waltz16
PCPD2                100.00 usec
PLW2             -1.00000000 W
PLW12            -1.00000000 W
PLW13            -1.00000000 W

F2 - Processing parameters
SI                     32768
SF                75.4677199 MHz
WDW                       EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.40
```

4-nitrobenzamide

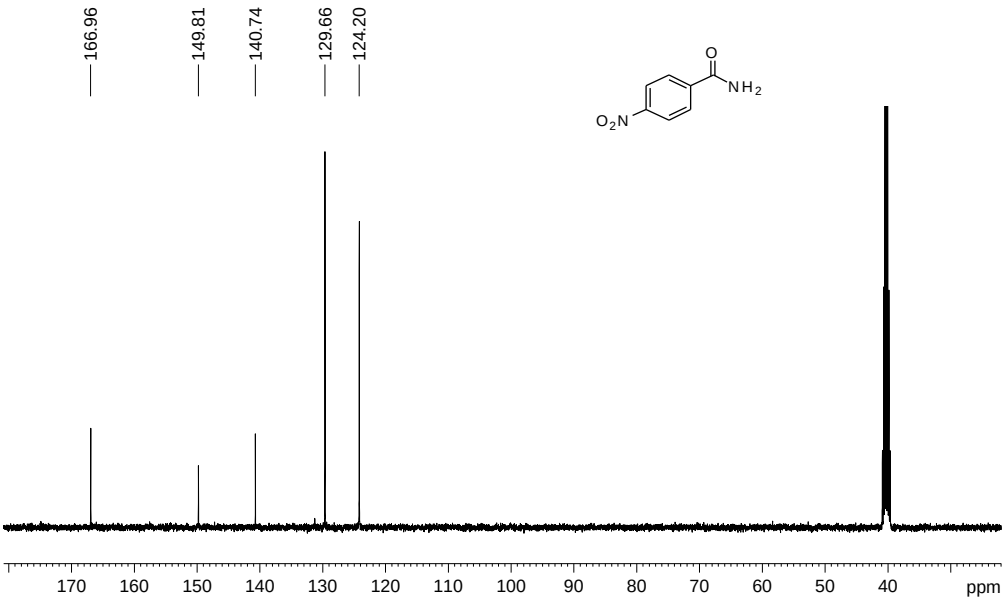



```
Current Data Parameters
NAME                  SF375
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                  15.16
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG                zg30
TD                     32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH                8012.820 Hz
FIDRES             0.244532 Hz
AQ                 2.0447233 sec
RG                       512
DW                  62.400 usec
DE                   6.00 usec
TE                   297.0 K
D1                1.50000000 sec
TD0                        1

======== CHANNEL f1 ========
NUC1                      1H
P1                   11.10 usec
PL1                  -1.00 dB
PL1W            12.26963711 W
SFO1            400.1324000 MHz

F2 - Processing parameters
SI                     32768
SF               400.1299891 MHz
WDW                       EM
SSB          0
LB                    0.10 Hz
GB           0
PC                    1.00
```

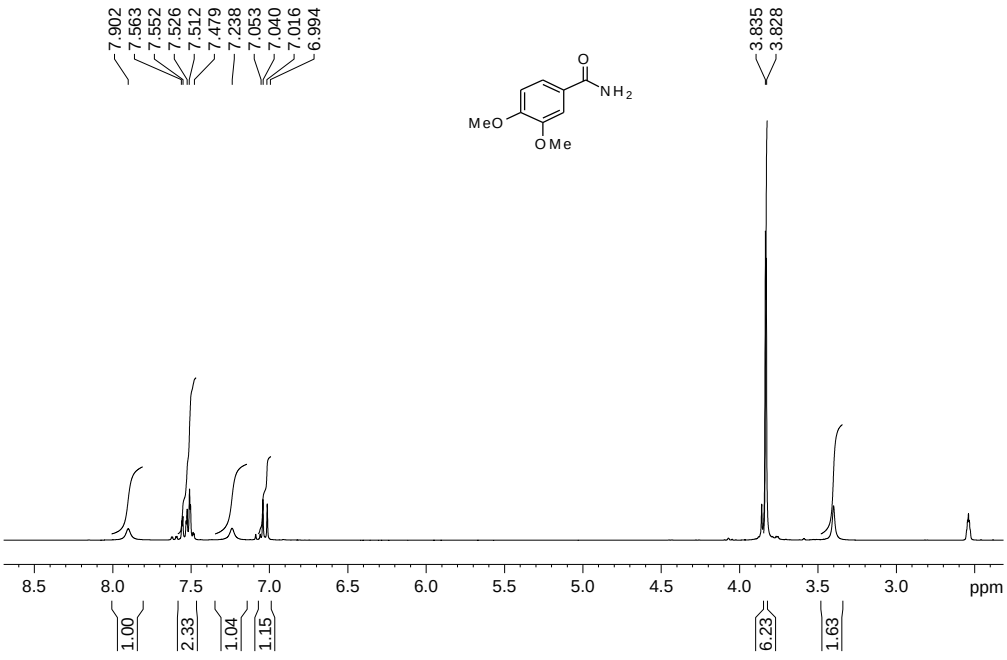



```
Current Data Parameters
NAME                  SF375
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time_                 15.31
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG             zgpg30
TD                   65536
SOLVENT               DMSO
NS                     256
DS                       4
SWH              29940.119 Hz
FIDRES            0.456850 Hz
AQ                1.0944512 sec
RG                   2298.8
DW                  16.700 usec
DE                   6.00 usec
TE                  297.0 K
D1               1.70000005 sec
d11              0.03000000 sec
DELTA            1.60000002 sec
TD0                       1
SFO1           100.6260690 MHz
NUC1                    13C
P1                    10.00 usec
PLW1           -1.00000000 W
SFO2           400.1318000 MHz
NUC2                    1H
CPDPRG[2             waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                    32768
SF             100.6127396 MHz
WDW                      EM
SSB          0
LB                    1.00 Hz
GB           0
PC                    1.00
```

3,4-dimethoxybenzamide

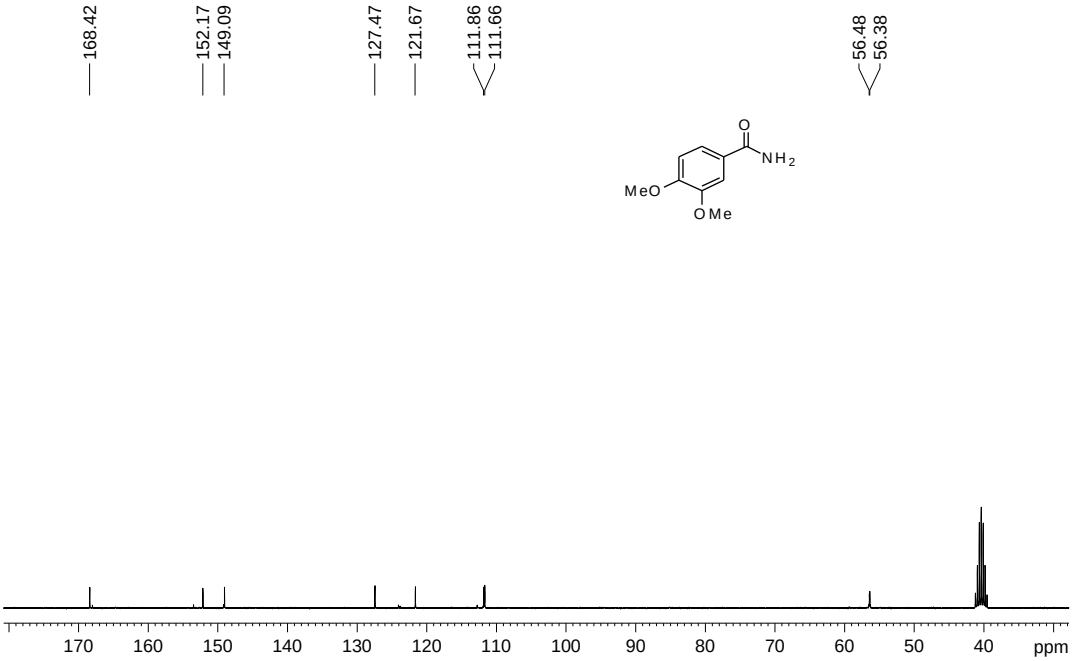



```
Current Data Parameters
NAME                  SF407
EXPNO                    10
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130119
Time                  16.57
INSTRUM         FOURIER300
PROBHD    5 mm DUL 13C-1
PULPROG             zg30
TD                   65536
SOLVENT               DMSO
NS                      32
DS                       2
SWH               6103.516 Hz
FIDRES            0.093132 Hz
AQ                5.3687091 sec
RG                  15.3985
DW                  81.920 usec
DE                   6.50 usec
TE                  300.0 K
D1               1.00000000 sec
TD0                       1

======== CHANNEL f1 ========
SFO1           300.2018539 MHz
NUC1                    1H
P1                   11.00 usec
PLW1           16.00000000 W

F2 - Processing parameters
SI                    65536
SF             300.1999863 MHz
WDW                      EM
SSB          0
LB                    0.30 Hz
GB           0
PC                    1.00
```




```
Current Data Parameters
NAME                  SF407
EXPNO                    11
PROCNO                    1

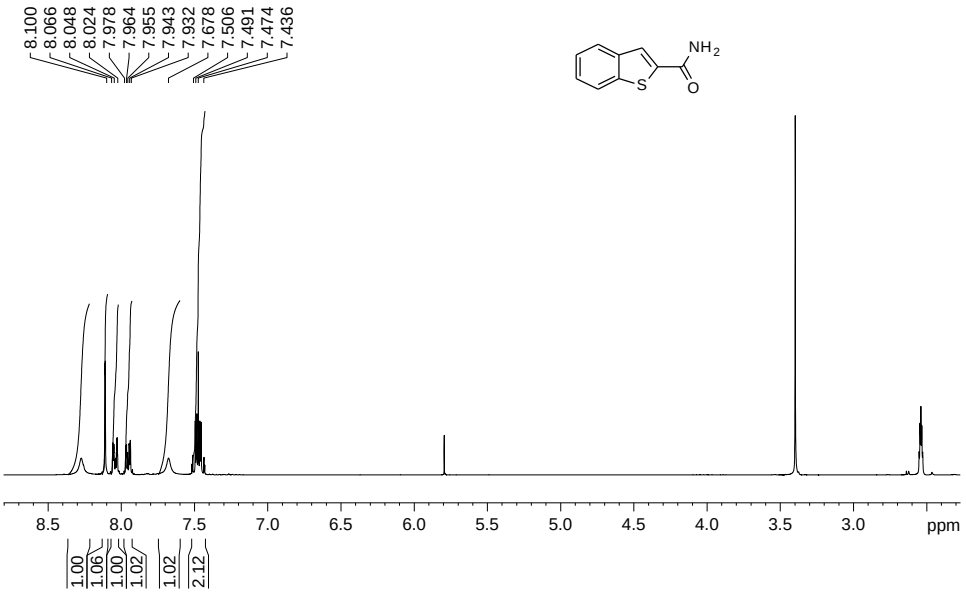
F2 - Acquisition Parameters
Date_              20130119
Time                  17.01
INSTRUM          FOURIER300
PROBHD   5 mm DUL 13C-1
PULPROG             zgpg30
TD                   65536
SOLVENT                DMSO
NS                       512
DS                         4
SWH                24414.063 Hz
FIDRES             0.372529 Hz
AQ                 1.3421773 sec
RG                   501.187
DW                  20.480 usec
DE                   6.50 usec
TE                   300.1 K
D1                2.00000000 sec
D11               0.03000000 sec
D31               0.00001140 sec
D40               0.03008300 sec
L4                         40
L5                         57
P32                  90.00 usec
TD0                        1

======== CHANNEL f1 ========
SFO1              75.4928982 MHz
NUC1                      13C
P1                   11.40 usec
PLW1             30.00000000 W

======== CHANNEL f2 ========
SFO2             300.2012008 MHz
NUC2                      1H
CPDPRG[2              waltz16
PCPD2                90.00 usec
PLW2             16.00000000 W
PLW12             0.23901001 W
PLW13             0.19360000 W

F2 - Processing parameters
SI                        32768
SF                75.4853154 MHz
WDW                          EM
SSB          0
LB                     1.00 Hz
GB           0
PC                     1.40
```

benzo[b]thiophene-2-carboxamide

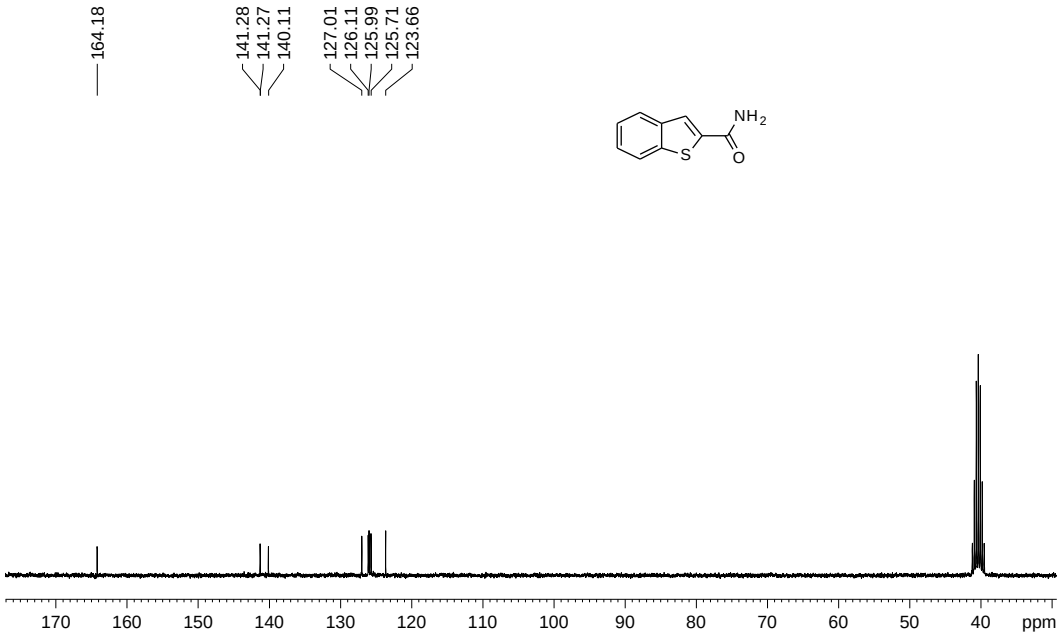


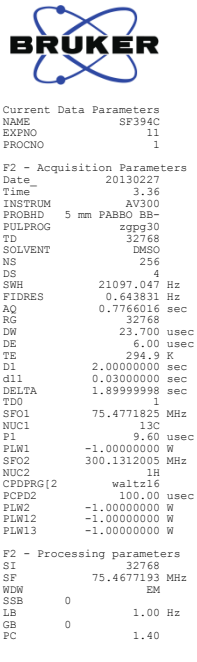

```
Current Data Parameters
NAME                  SF394C
EXPNO                     10
PROCNO                     1

F2 - Acquisition Parameters
Date_              20130227
Time                   3.24
INSTRUM               AV300
PROBHD   5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                       32
DS                        4
SWH                6172.839 Hz
FIDRES             0.188380 Hz
AQ                 2.6542079 sec
RG                     322.5
DW                  81.000 usec
DE                   6.00 usec
TE                   294.3 K
D1                1.00000000 sec
TD0                        1

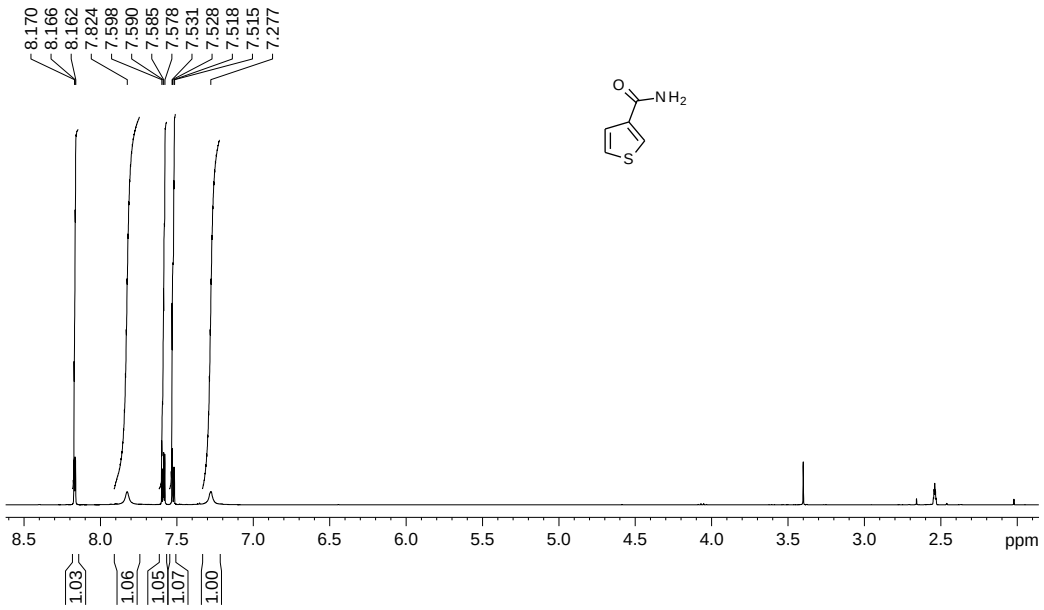
======== CHANNEL f1 ========
NUC1                      1H
P1                   11.00 usec
PL1        0 dB
SFO1          300.1318534 MHz

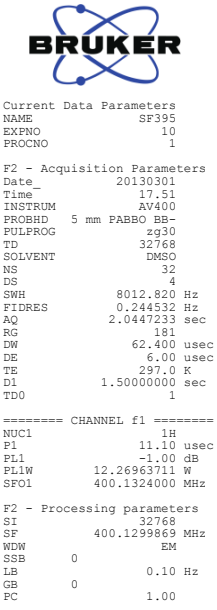
F2 - Processing parameters
SI                        32768
SF                300.1299893 MHz
WDW                          EM
SSB          0
LB                     0.10 Hz
GB           0
PC                     1.00
```





thiophene-3-carboxamide





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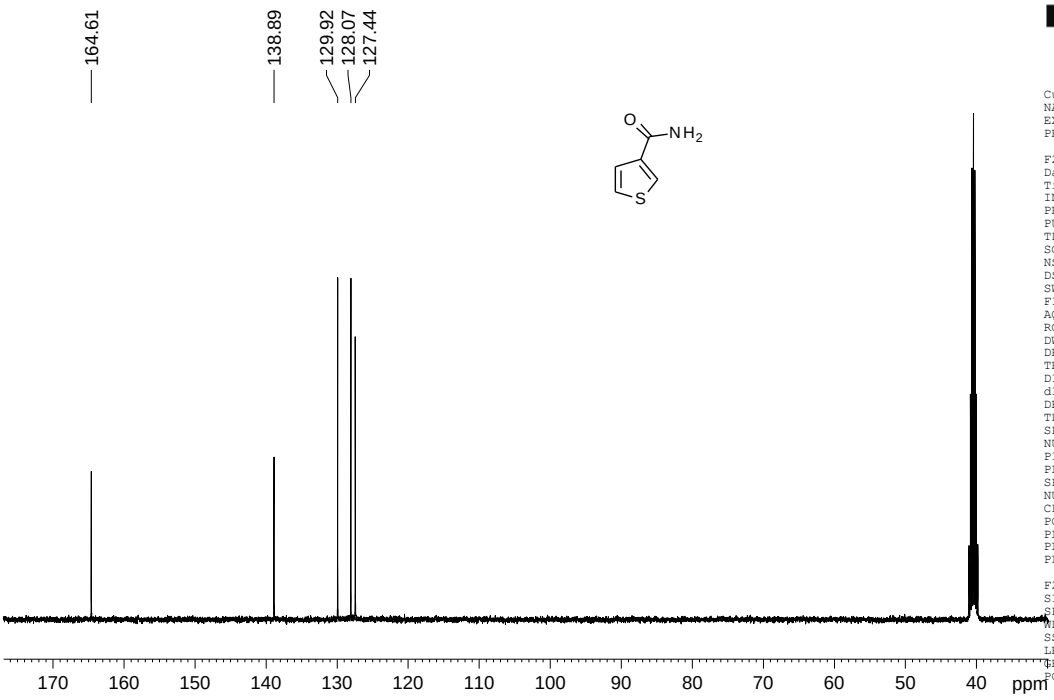
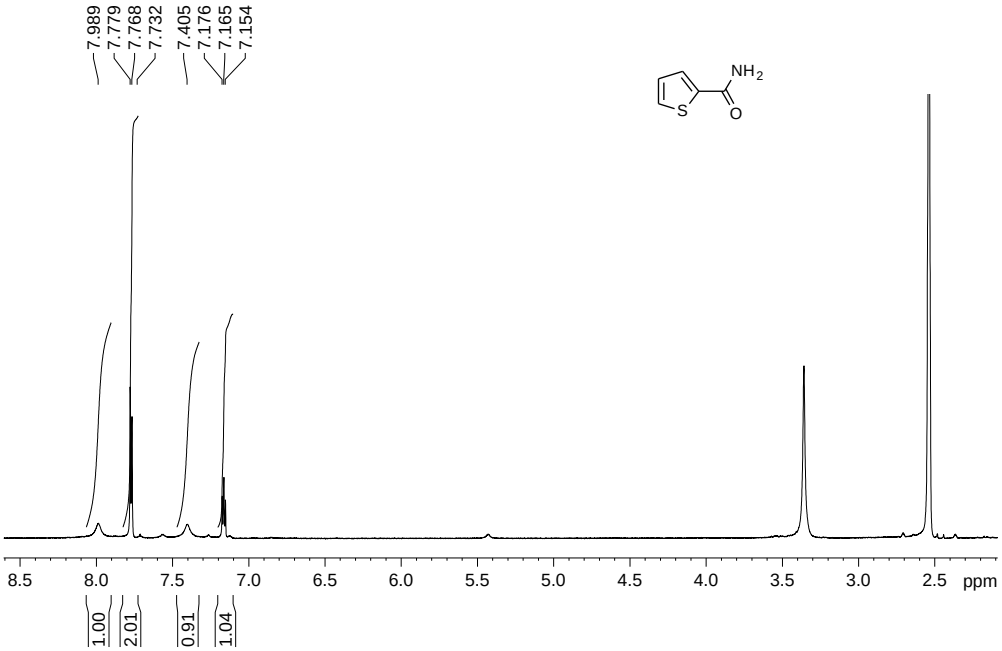



```
Current Data Parameters
NAME                  SF395
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                 18.04
INSTRUM              AV400
PROBHD    5 mm PABBO BB-
PULPROG           zgpg30
TD                 65536
SOLVENT              DMSO
NS                     256
DS                       4
SWH              29940.119 Hz
FIDRES           0.456850 Hz
AQ               1.0944512 sec
RG                    2048
DW                  16.700 usec
DE                   6.00 usec
TE                  297.0 K
D1             1.70000005 sec
d11            0.03000000 sec
DELTA          1.60000002 sec
TD0                      1
SFO1           100.6260690 MHz
NUC1                   13C
P1                   10.00 usec
PLW1          -1.00000000 W
SFO2           400.1318000 MHz
NUC2                   1H
CPDPRG[2          waltz16
PCPD2               100.00 usec
PLW2          -1.00000000 W
PLW12         -1.00000000 W
PLW13         -1.00000000 W

F2 - Processing parameters
SI                    32768
SF           100.6127247 MHz
WDW                      EM
SSB       0
LB                    1.00 Hz
GB        0
PC                    1.00
```

thiophene-2-carboxamide

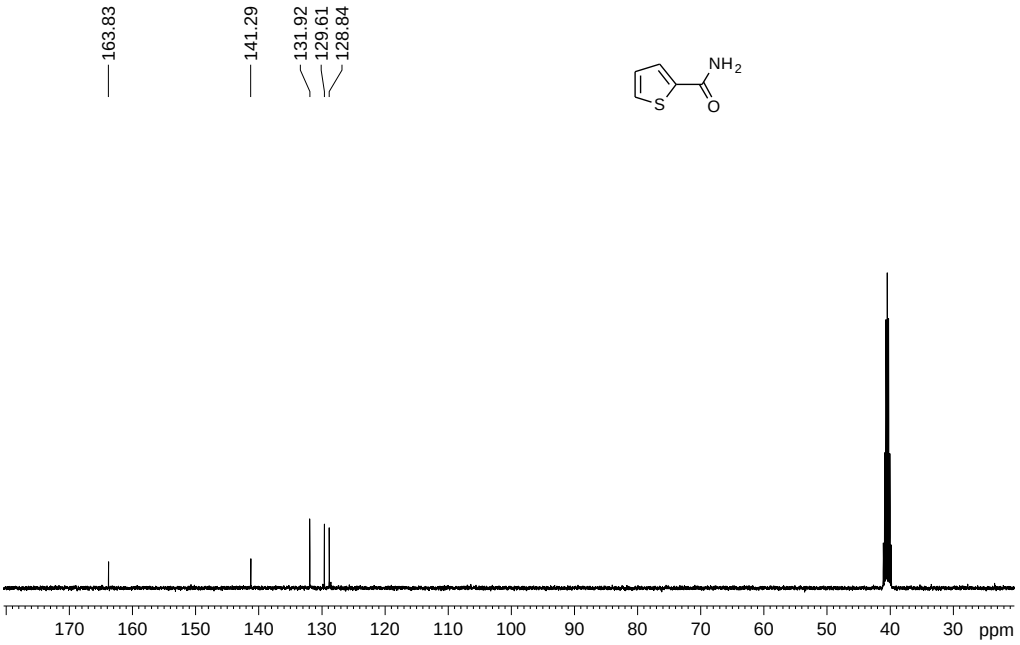



```
Current Data Parameters
NAME                SF396B
EXPNO                   10
PROCNO                   1

F2 - Acquisition Parameters
Date_              20130301
Time                 18.52
INSTRUM              AV400
PROBHD    5 mm PABBO BB-
PULPROG              zg30
TD                  32768
SOLVENT              DMSO
NS                     32
DS                      4
SWH               8012.820 Hz
FIDRES            0.244532 Hz
AQ               2.0447233 sec
RG                   812.7
DW                  62.400 usec
DE                   6.00 usec
TE                  297.0 K
D1             1.50000000 sec
TD0                      1

======== CHANNEL f1 ========
NUC1                   1H
P1                   11.10 usec
PL1                  -1.00 dB
PL1W          12.26963711 W
SFO1           400.1324000 MHz

F2 - Processing parameters
SI                    32768
SF           400.1299869 MHz
WDW                      EM
SSB       0
LB                    0.10 Hz
GB        0
PC                    1.00
```

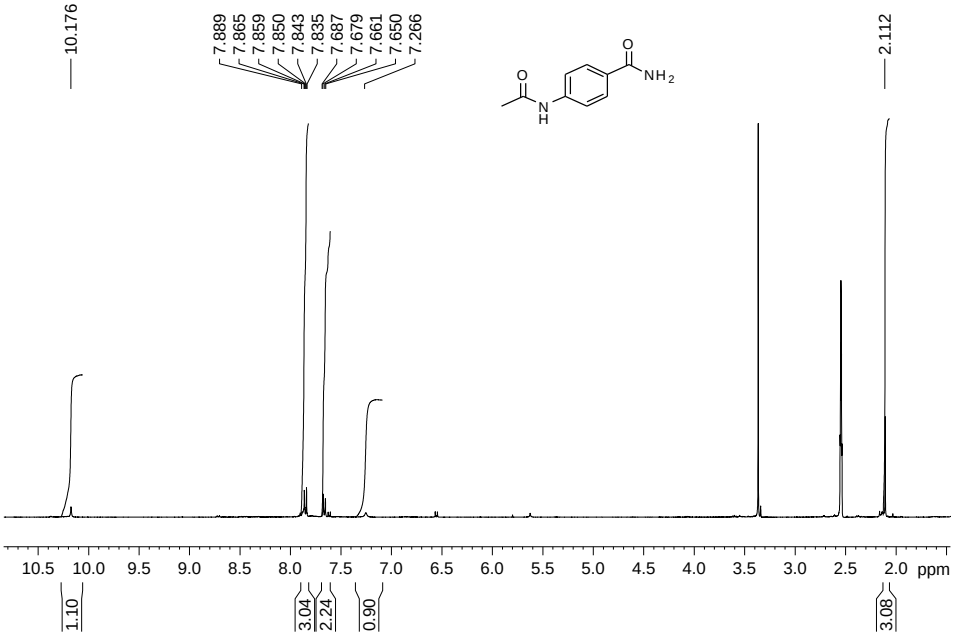


```
Current Data Parameters
NAME                  SF396
EXPNO                    11
PROCNO                    1

F2 - Acquisition Parameters
Date_              20130301
Time                  18.35
INSTRUM               AV400
PROBHD   5 mm PABBO BB-
PULPROG             zgpg30
TD                   65536
SOLVENT                DMSO
NS                       256
DS                         4
SWH               29940.119 Hz
FIDRES             0.456850 Hz
AQ                 1.0944512 sec
RG                      2048
DW                    16.700 usec
DE                     6.00 usec
TE                    297.0 K
D1                 1.70000005 sec
d11                0.03000000 sec
DELTA              1.60000002 sec
TD0                        1
SFO1              100.6260690 MHz
NUC1                     13C
P1                    10.00 usec
PLW1              -1.00000000 W
SFO2              400.1318000 MHz
NUC2                     1H
CPDPRG[2              waltz16
PCPD2                100.00 usec
PLW2              -1.00000000 W
PLW12             -1.00000000 W
PLW13             -1.00000000 W

F2 - Processing parameters
SI                       32768
SF                400.6127187 MHz
WDW                         EM
SSB          0
LB                     1.00 Hz
GB           0
PC                     1.00
```

4-acetamidobenzamide



```
Current Data Parameters
NAME          SF391C
EXPNO             10
PROCNO             1

F2 - Acquisition Parameters
Date_        20130301
Time            17.20
INSTRUM         AV400
PROBHD   5 mm PABBO BB-
PULPROG          zg30
TD              32768
SOLVENT          DMSO
NS                 32
DS                  4
SWH          8012.820 Hz
FIDRES        0.244532 Hz
AQ           2.0447233 sec
RG             645.1
DW             62.400 usec
DE              6.00 usec
TE             297.0 K
D1           1.50000000 sec
TD0                1

======== CHANNEL f1 =======
NUC1               1H
P1             11.10 usec
PL1             -1.00 dB
PL1W        12.26963711 W
SFO1       400.1324000 MHz

F2 - Processing parameters
```

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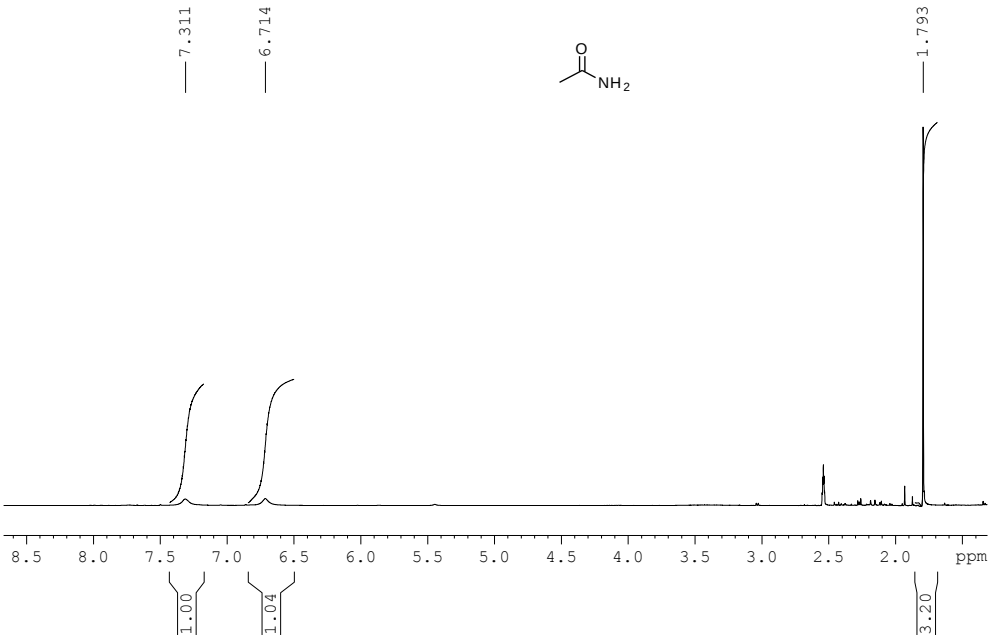
Acetamide

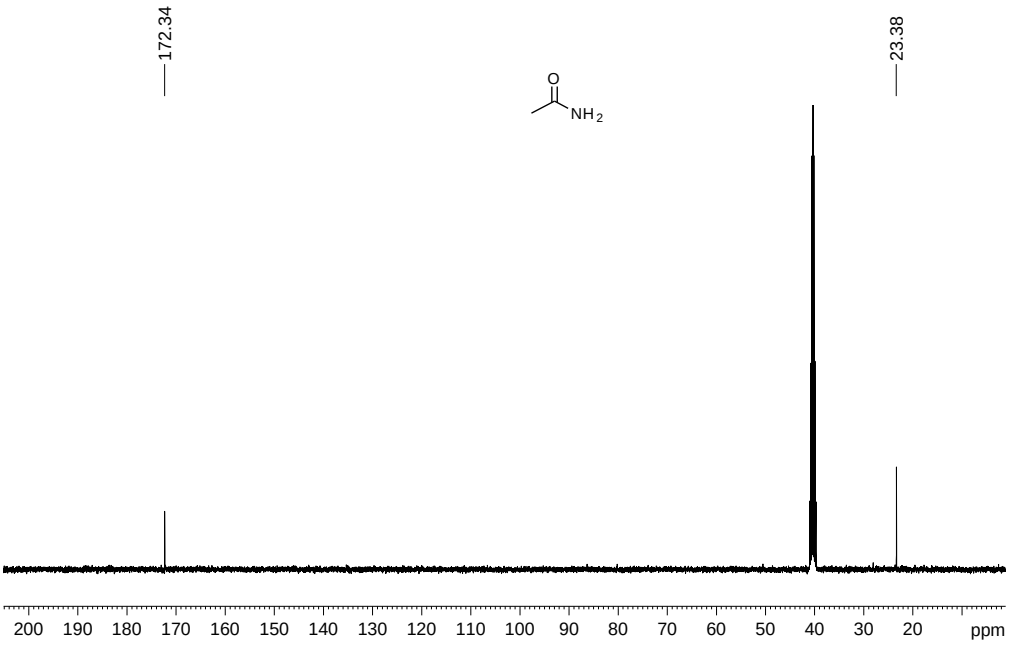



```
Current Data Parameters
NAME                  SF401A
EXPNO                     10
PROCNO                     1

F2 - Acquisition Parameters
Date_              20130301
Time                  20.25
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG                zg30
TD                    32768
SOLVENT                DMSO
NS                        32
DS                         4
SWH                8012.820 Hz
FIDRES             0.244532 Hz
AQ                2.0447233 sec
RG                      256
DW                   62.400 usec
DE                    6.00 usec
TE                   297.0 K
D1                1.50000000 sec
TD0                        1

======== CHANNEL f1 ========
NUC1                      1H
P1                     11.10 usec
PL1                    -1.00 dB
PL1W            12.26963711 W
SFO1           400.1324000 MHz

F2 - Processing parameters
SI                        32768
SF              400.1299866 MHz
WDW                        EM
SSB         0
LB                     0.10 Hz
GB          0
PC                     1.00
```




```
Current Data Parameters
NAME                  SF401A
EXPNO                     11
PROCNO                     1

F2 - Acquisition Parameters
Date_              20130301
Time                  20.39
INSTRUM               AV400
PROBHD    5 mm PABBO BB-
PULPROG             zgpg30
TD                    65536
SOLVENT                DMSO
NS                       256
DS                         4
SWH               29940.119 Hz
FIDRES             0.456850 Hz
AQ                1.0944512 sec
RG                    2580.3
DW                   16.700 usec
DE                    6.00 usec
TE                   297.0 K
D1                1.70000005 sec
d11               0.03000000 sec
DELTA             1.60000002 sec
TD0                        1
SFO1           100.6260690 MHz
NUC1                     13C
P1                    10.00 usec
PLW1           -1.00000000 W
SFO2           400.1318000 MHz
NUC2                      1H
CPDPRG[2             waltz16
PCPD2                100.00 usec
PLW2           -1.00000000 W
PLW12          -1.00000000 W
PLW13          -1.00000000 W

F2 - Processing parameters
SI                        32768
SF              100.6127276 MHz
WDW                        EM
SSB         0
LB                     1.00 Hz
GB          0
PC                     1.00
```