

Supporting Information

**Choline peroxydisulfate - Oxidizing Bio-TSIL:
Triple role player in one pot synthesis of Betti bases and gem-bisamides
from aryl alcohols under solvent-free conditions**

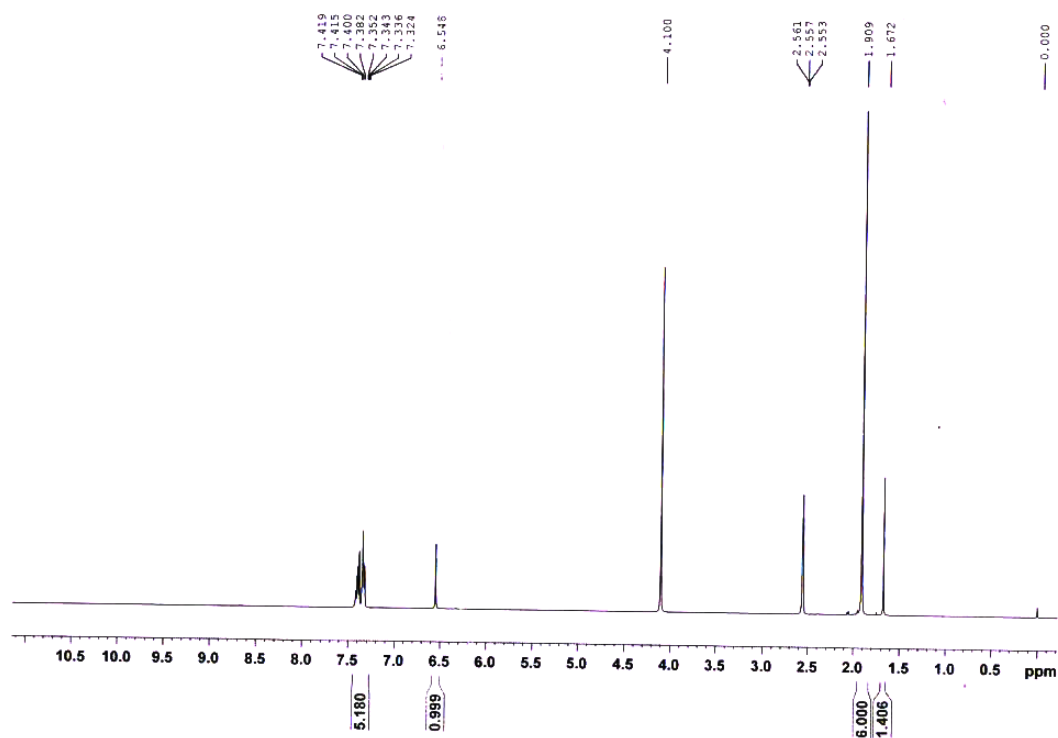
Balu L. Gadilohar, Haribhau S. Kumbhar, Ganapati S. Shankarling*

*Department of Dyestuff Technology, Institute of Chemical Technology,
N.P.Marg, Matunga, Mumbai, 400 019, India.*

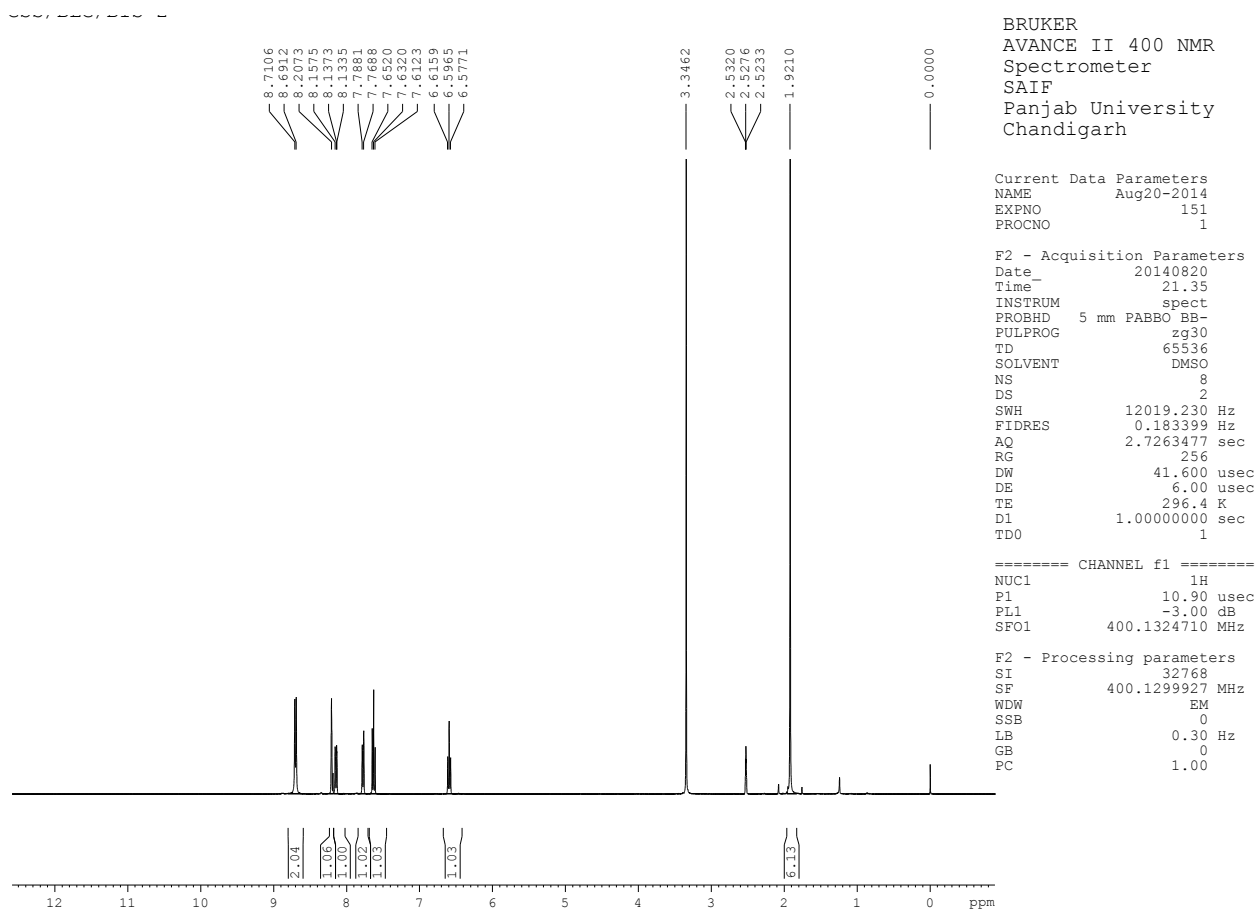
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3. Copies of IR spectra	S19 – S21

¹H NMR spectra

6a *N,N'*-(phenylmethylene)diacetamide Table 1, entry 1

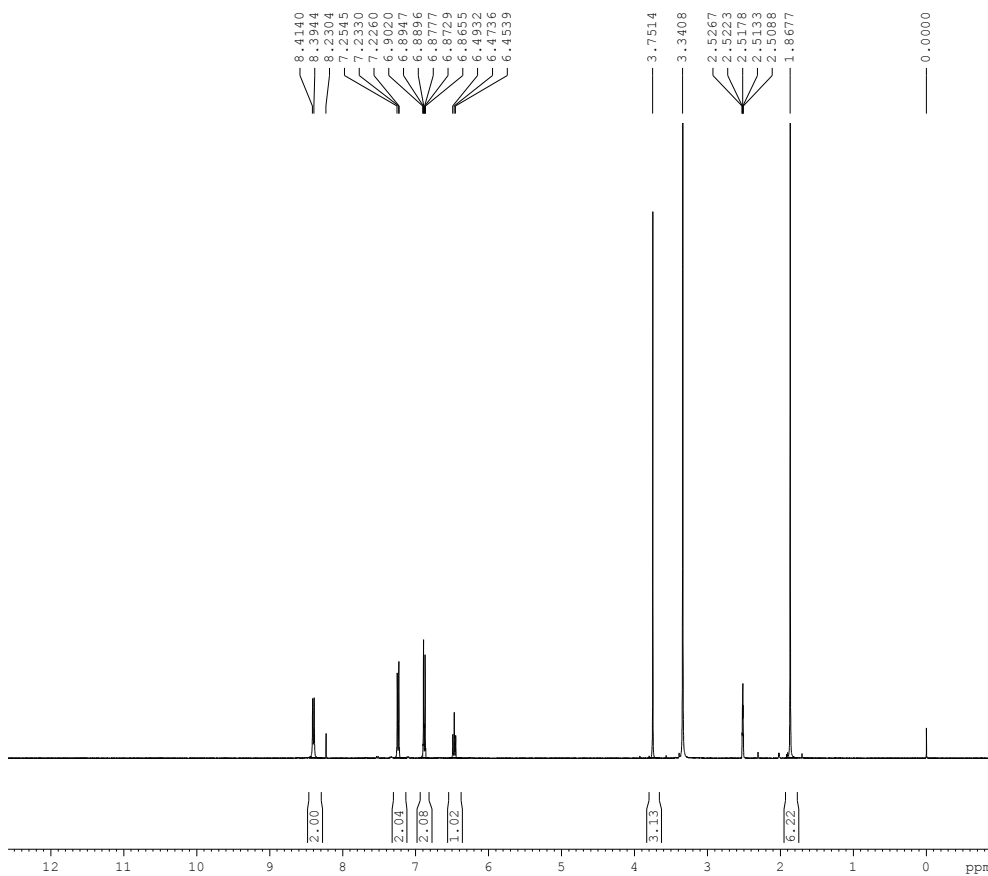


6c *N,N'*-((3-nitrophenyl)methylene)diacetamide Table 1, entry 3:



6g *N,N'*-((4-methoxyphenyl)methylene)diacetamide Table 1, entry 7:

GSS/BLG/BIS-3



BRUKER
AVANCE II 400 NMR
Spectrometer
SAIF
Panjab University
Chandigarh

Current Data Parameters
NAME Aug20-2014
EXPNO 161
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140820
Time_ 21.40
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PULPROG zg30
TD 65536
SOLVENT DMSO
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DS 2
SWH 12019.230 Hz
FIDRES 0.183399 Hz
AQ 2.7263477 sec
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DE 6.00 usec
TE 296.4 K
D1 1.00000000 sec
TD0 1

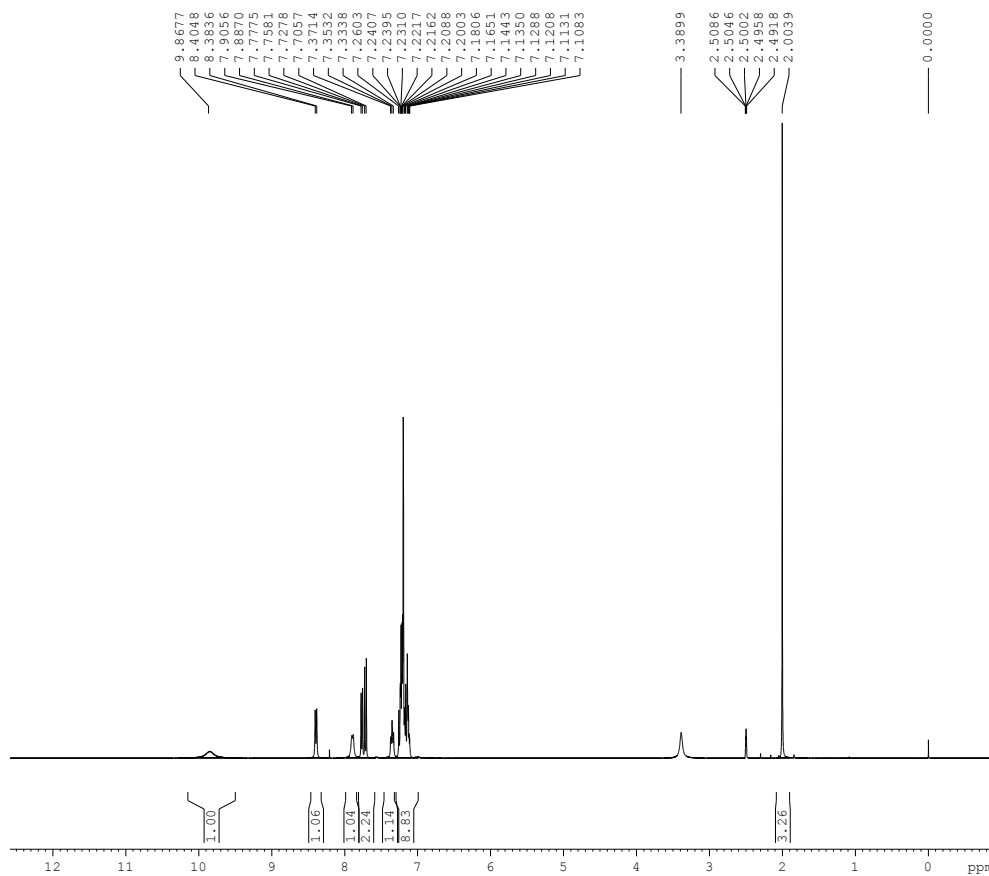
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F2 - Processing parameters
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SF 400.1299964 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

avtar saifpu@yahoo.co.in

7a N-((2-hydroxynaphthalen-1-yl)(phenyl)methyl)acetamide Table 2, entry 1:

GSS/BLG/BBA-1



BRUKER
AVANCE II 400 NMR
Spectrometer
SAIF
Panjab University
Chandigarh

Current Data Parameters
NAME Aug20-2014
EXPNO 171
PROCNO 1

F2 - Acquisition Parameters
Date_ 20140820
Time_ 21.46
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PULPROG zg30
TD 65536
SOLVENT DMSO
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DS 2
SWH 12019.230 Hz
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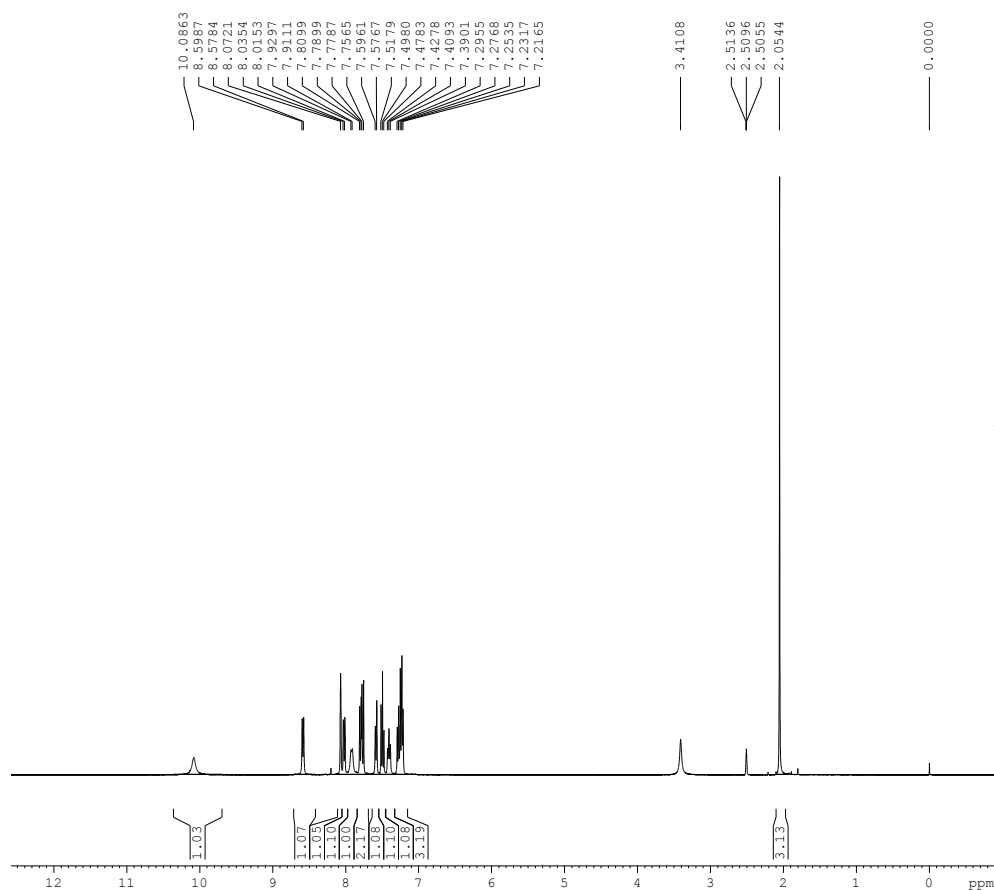
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SF 400.1300035 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

avtar saifpu@yahoo.co.in

7b N-((2-hydroxynaphthalen-1-yl)(3-nitrophenyl)methyl)acetamide Table 2, entry 2:

GSS/BLG/BBA-2



BRUKER
AVANCE II 400 NMR
Spectrometer
SAIF
Panjab University
Chandigarh

Current Data Parameters
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EXPNO 181
PROCNO 1

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D1 1.00000000 sec
TD0 1

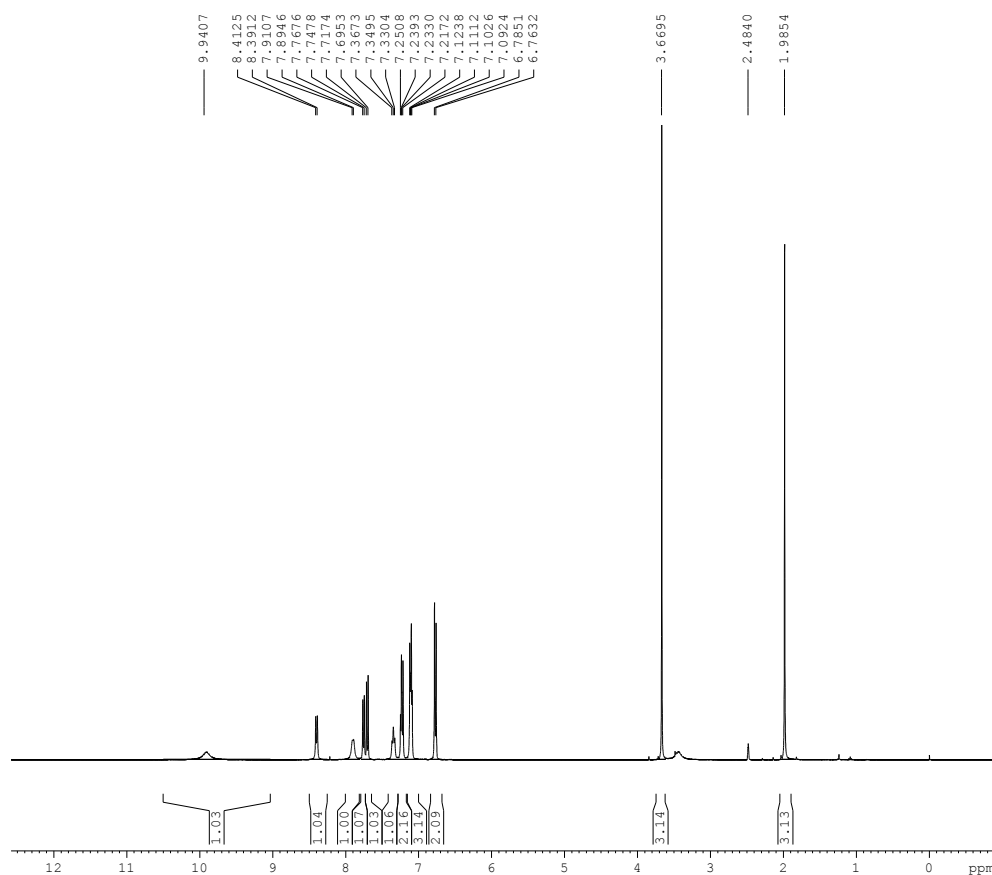
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WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

avtar_saifpu@yahoo.co.in

7f N-((2-hydroxynaphthalen-1-yl)(4-methoxyphenyl)methyl)acetamide Table 2, entry 6:

GSS/BLG/BBA-3



BRUKER
AVANCE II 400 NMR
Spectrometer
SAIF
Panjab University
Chandigarh

Current Data Parameters
NAME Aug20-2014
EXPNO 191
PROCNO 1

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SOLVENT DMSO
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FIDRES 0.183399 Hz
AQ 2.7263477 sec
RG 203
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DE 6.00 usec
TE 296.3 K
D1 1.00000000 sec
TD0 1

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GB 0
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avtar_saifpu@yahoo.co.in

GSS/BLG/BBT-2

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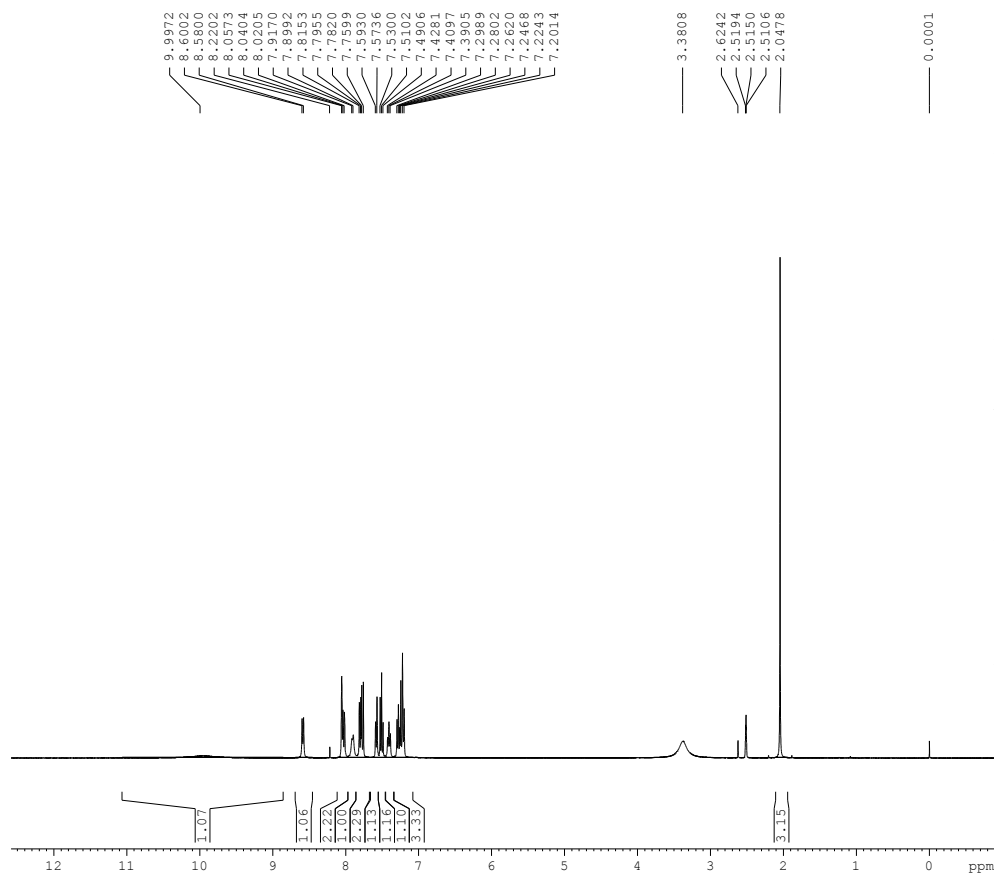
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FIDRES     0.183399 Hz
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RG         203
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TE         296.4 K
D1         1.00000000 sec
TD0        1

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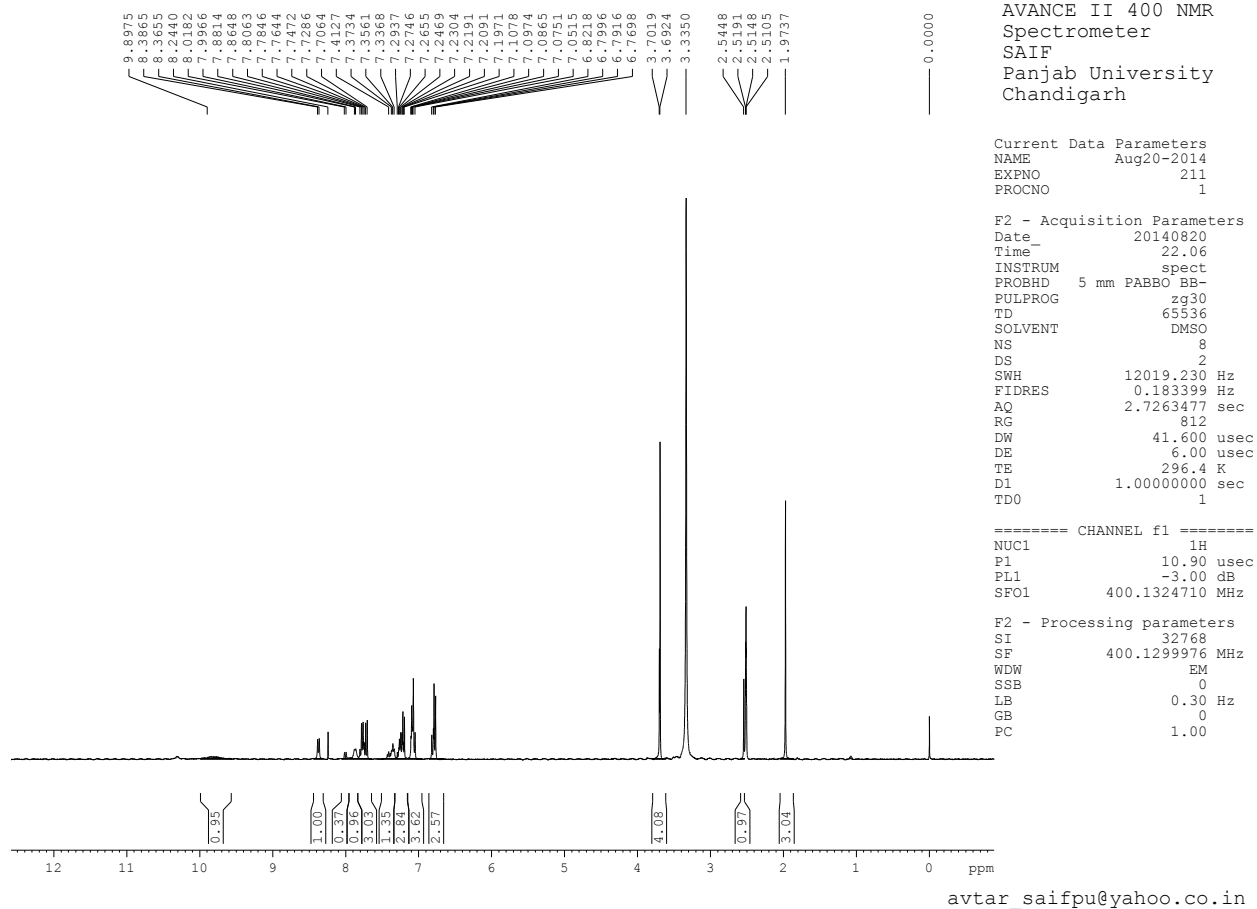
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SF	400.1299975 MHz
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avtar saifpu@yahoo.co.in

71 N-((2-hydroxynaphthalen-1-yl)(4-methoxyphenyl)methyl)ethanethioamide Table 2, entry 12:

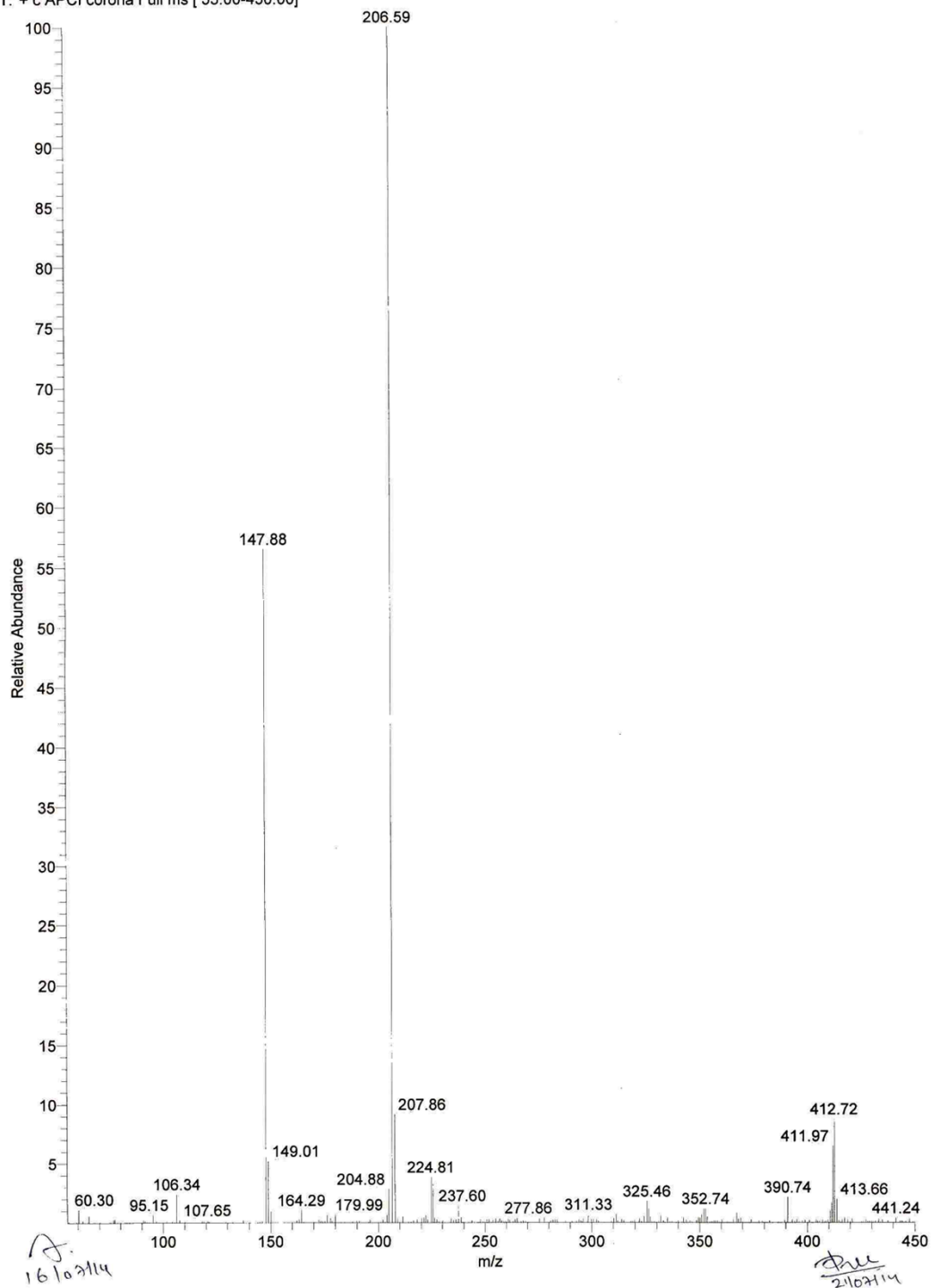
GSS/BLG/BBT-3



Mass spectra

6a *N,N'*-(phenylmethylene)diacetamide Table 1, entry 1:

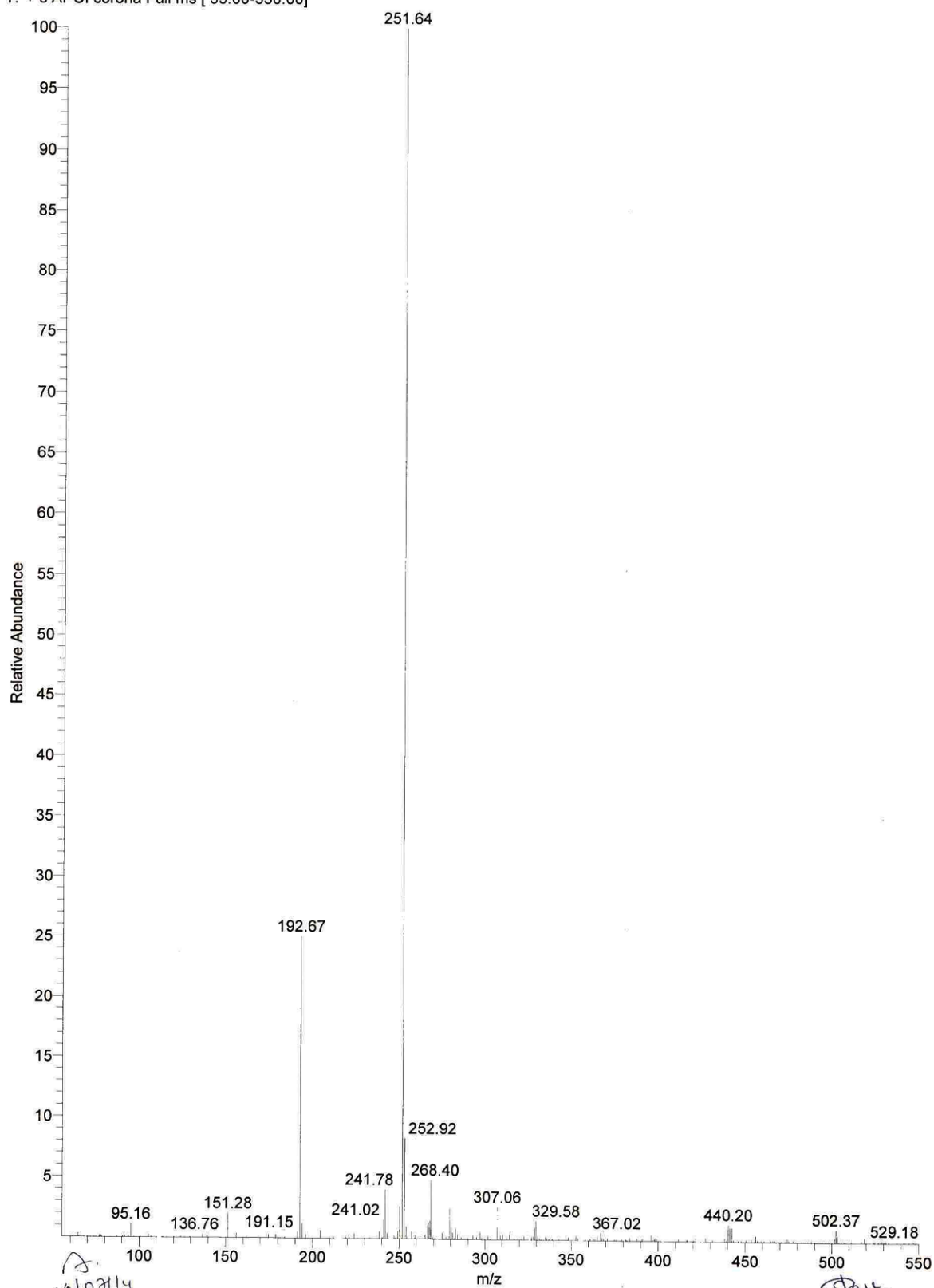
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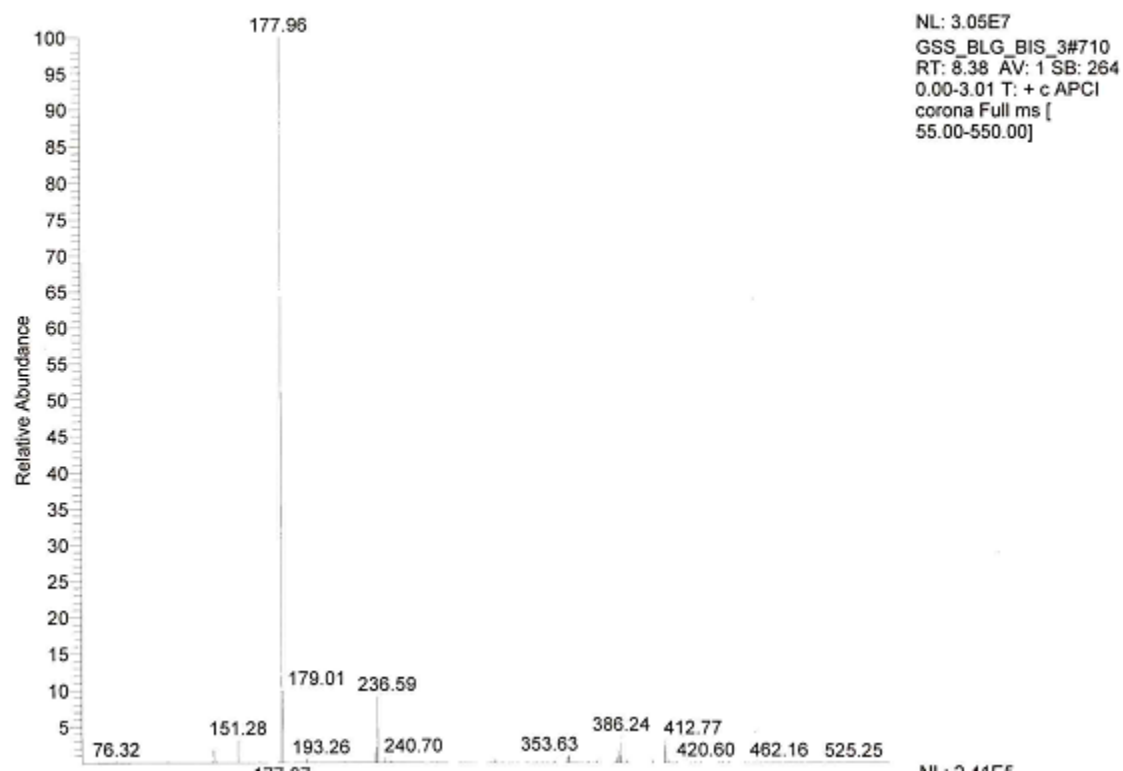
6c *N,N'*-((3-nitrophenyl)methylene)diacetamide Table 1, entry 3:

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21103114 70 240

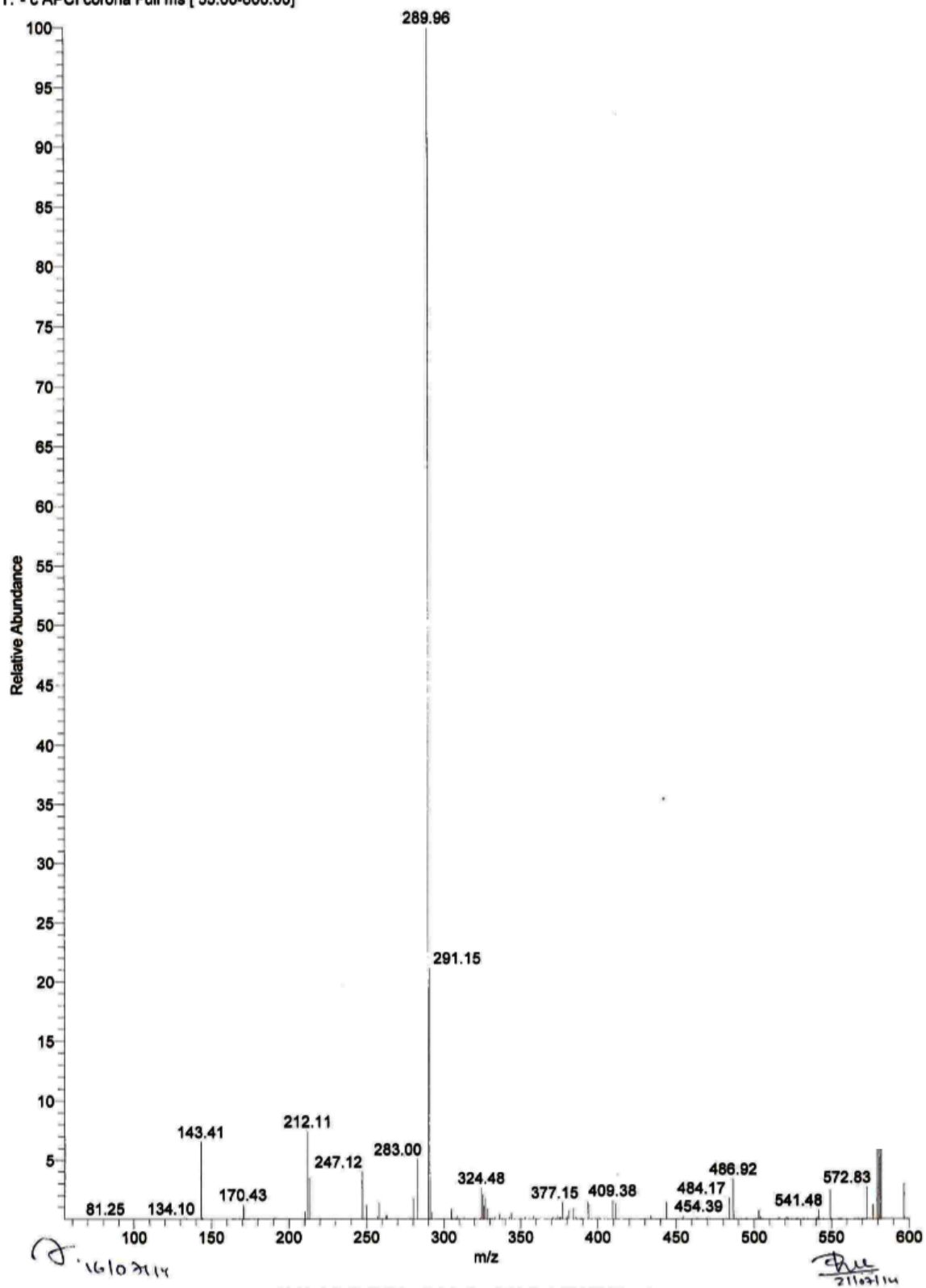


6g *N,N'*-((4-methoxyphenyl)methylene)diacetamide Table 1, entry 7:



7a N-((2-hydroxynaphthalen-1-yl)(phenyl)methyl)acetamide Table 2, entry 1:

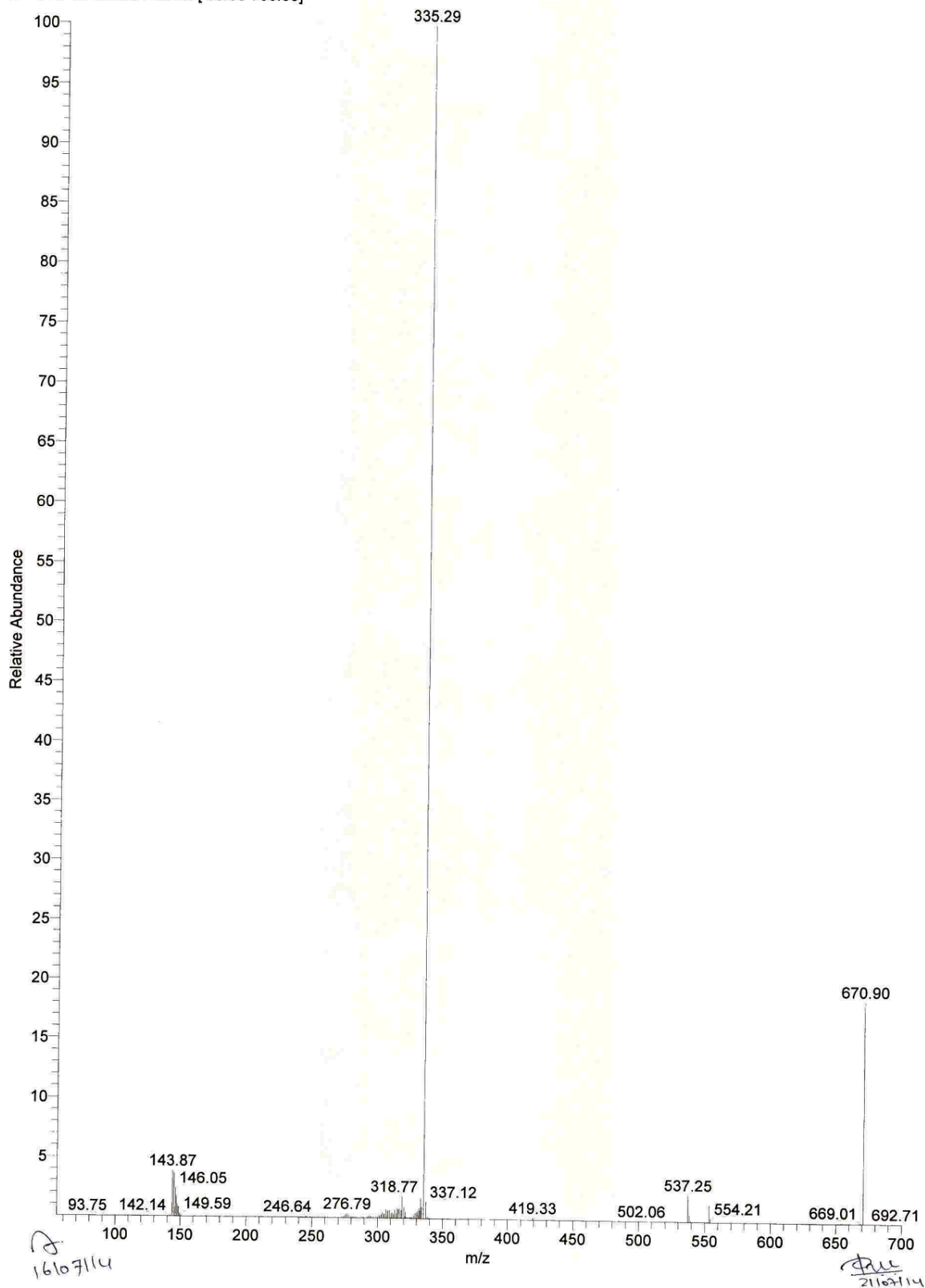
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7b N-((2-hydroxynaphthalen-1-yl)(3-nitrophenyl)methyl)acetamide Table 2, entry 2:

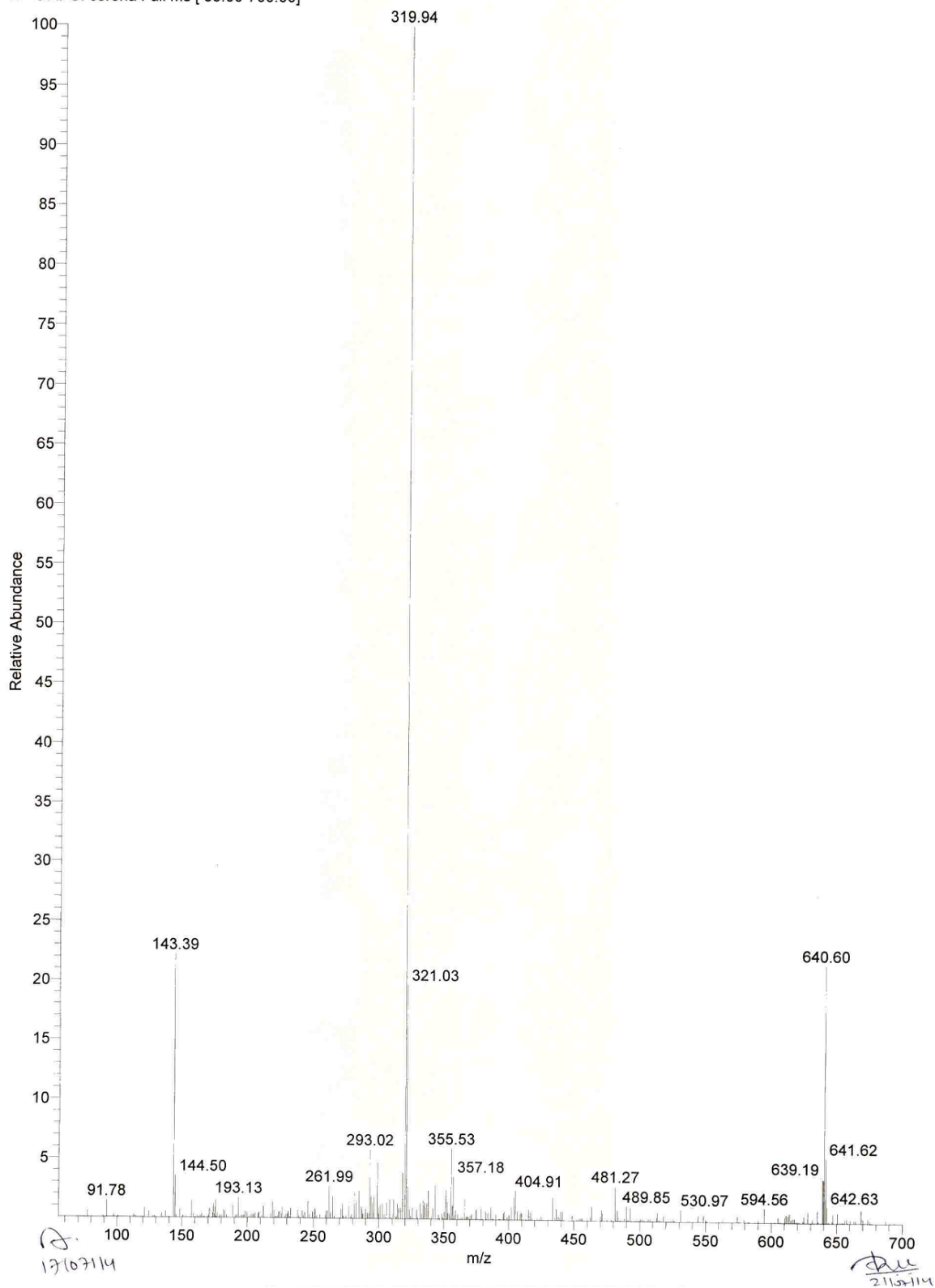
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IAS E14070243



7f N-((2-hydroxynaphthalen-1-yl)(4-methoxyphenyl)methyl)acetamide Table 2, entry 6:

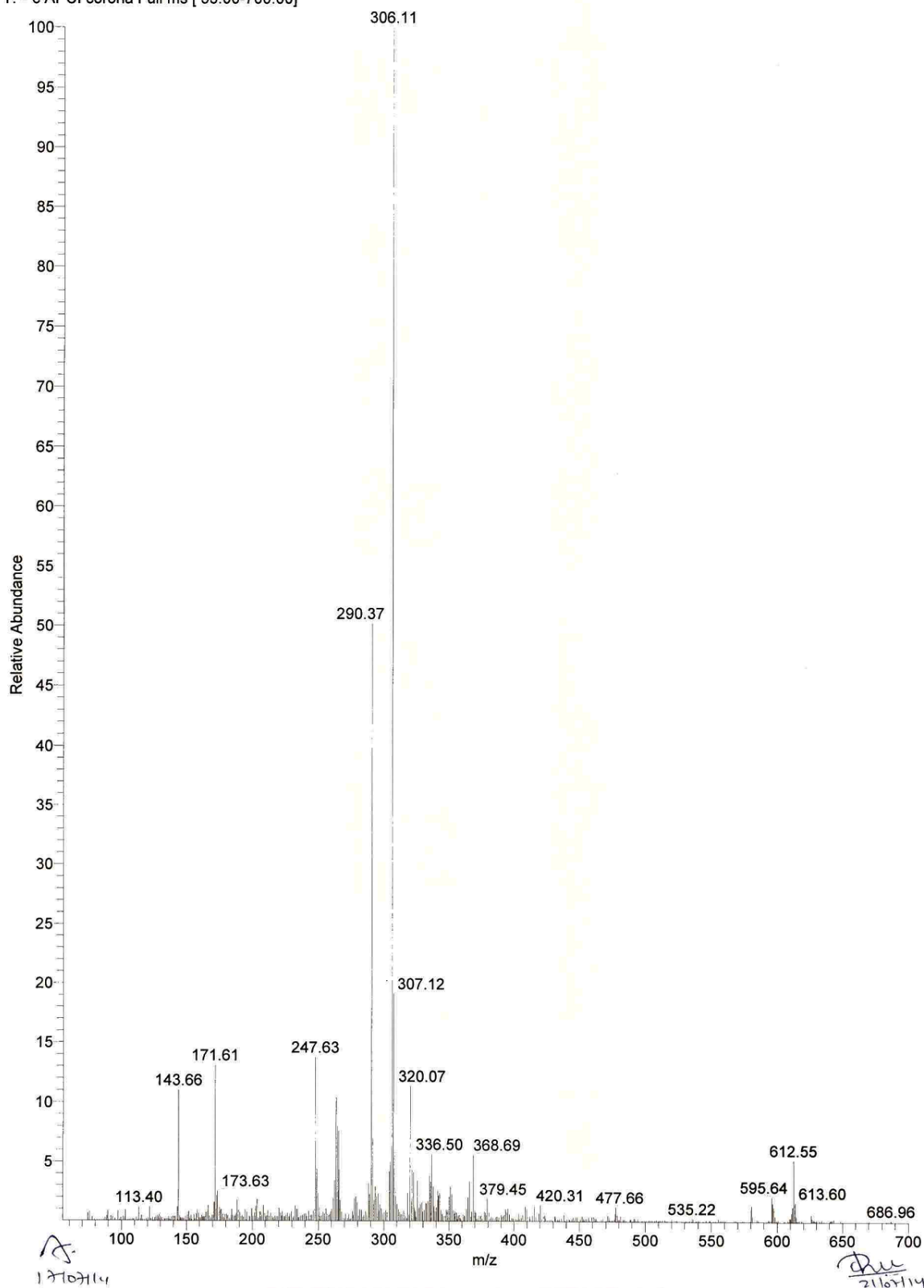
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7h N-((2-hydroxynaphthalen-1-yl)(phenyl)methyl)ethanethioamide Table 2, entry 8:

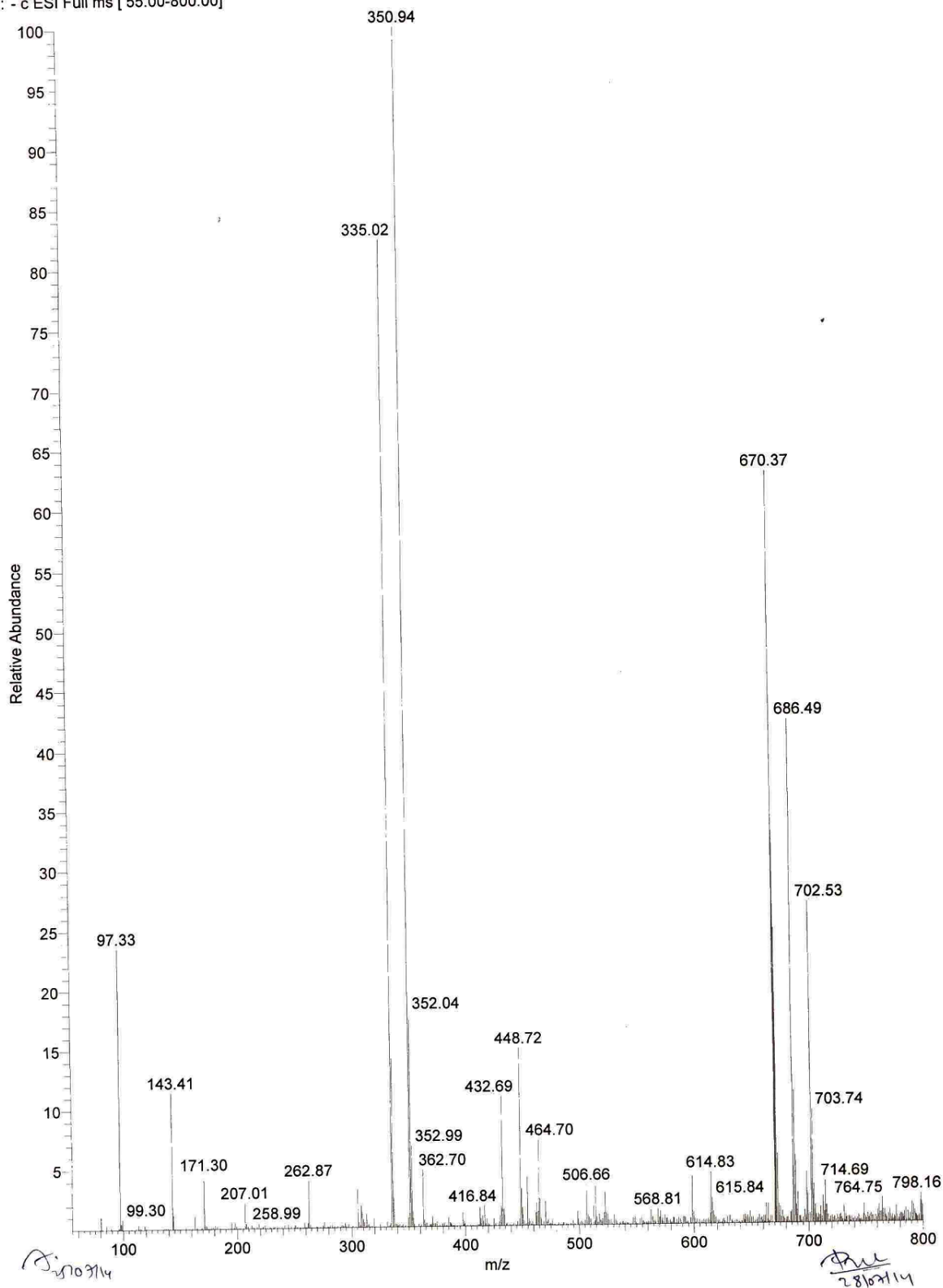
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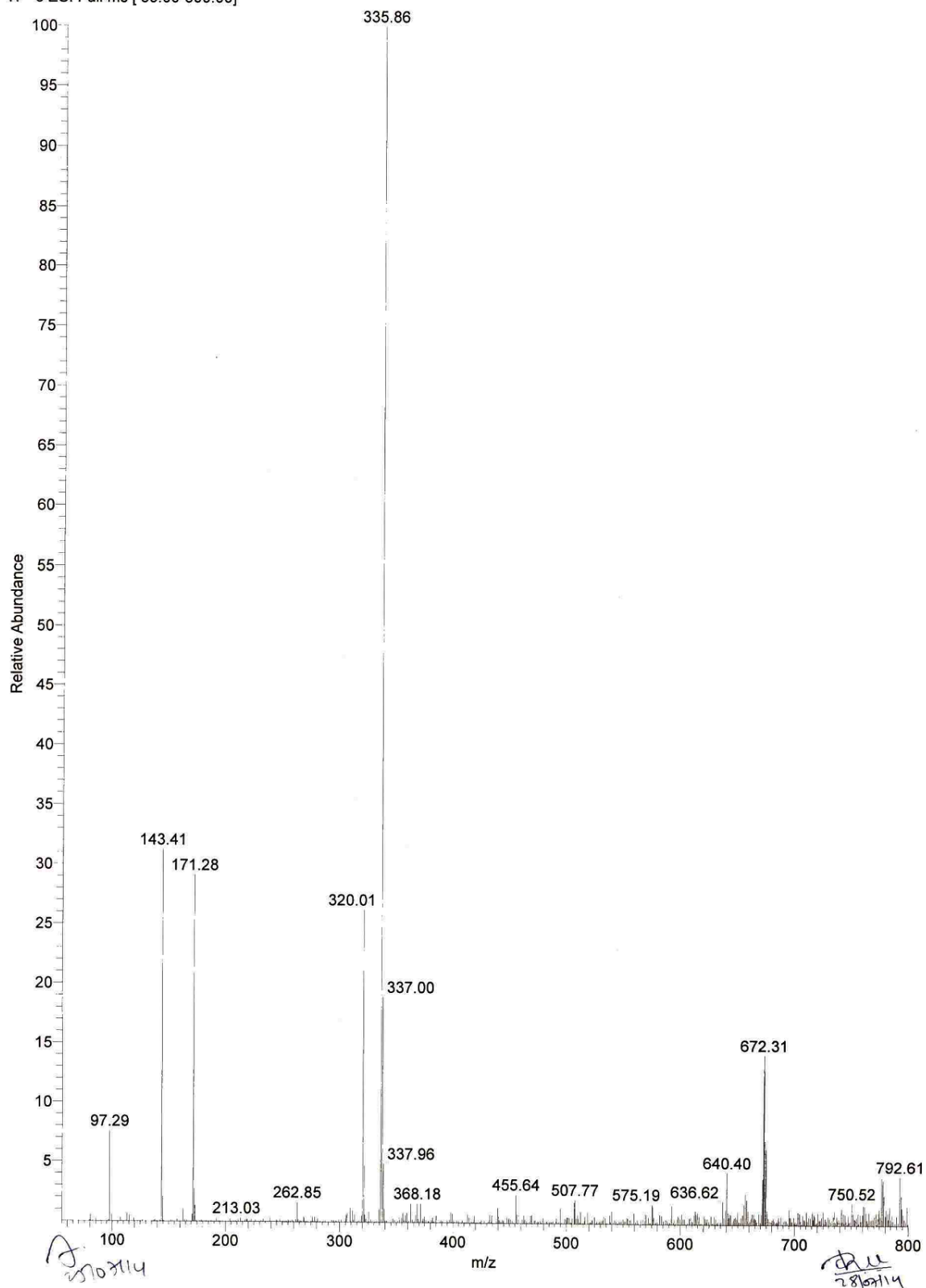
7i N-((2-hydroxynaphthalen-1-yl)(3-nitrophenyl)methyl)ethanethioamide Table 2, entry 9:

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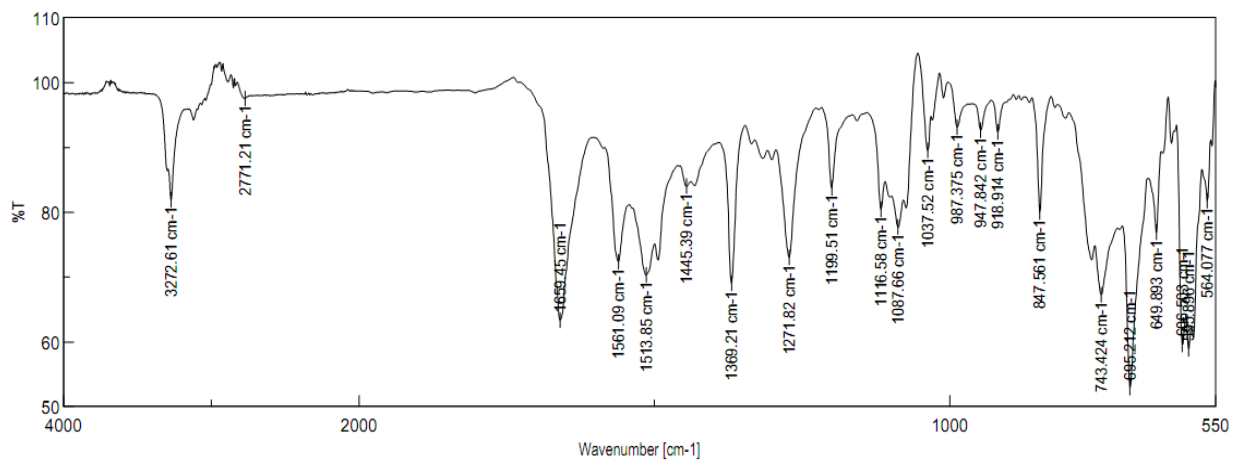
71 N-((2-hydroxynaphthalen-1-yl)(4-methoxyphenyl)methyl)ethanethioamide Table 2, entry 12:

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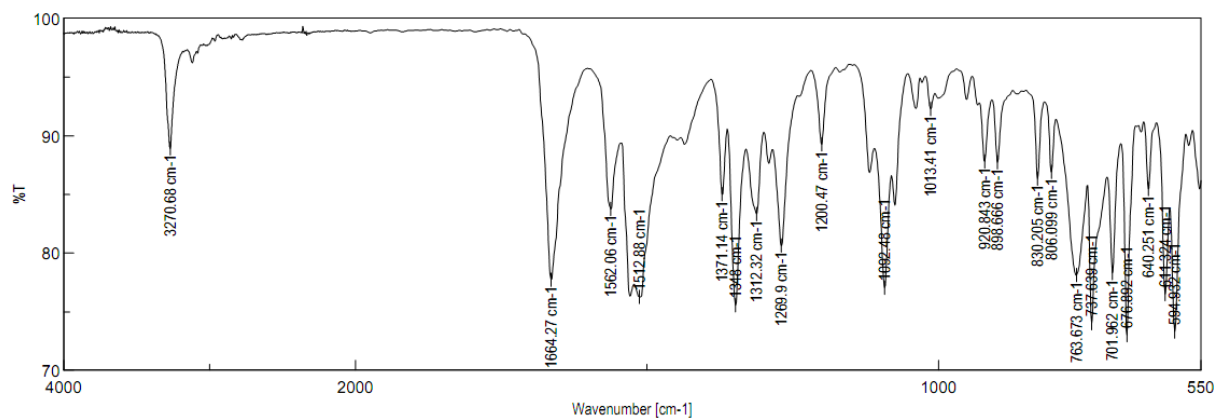


IR Spectra

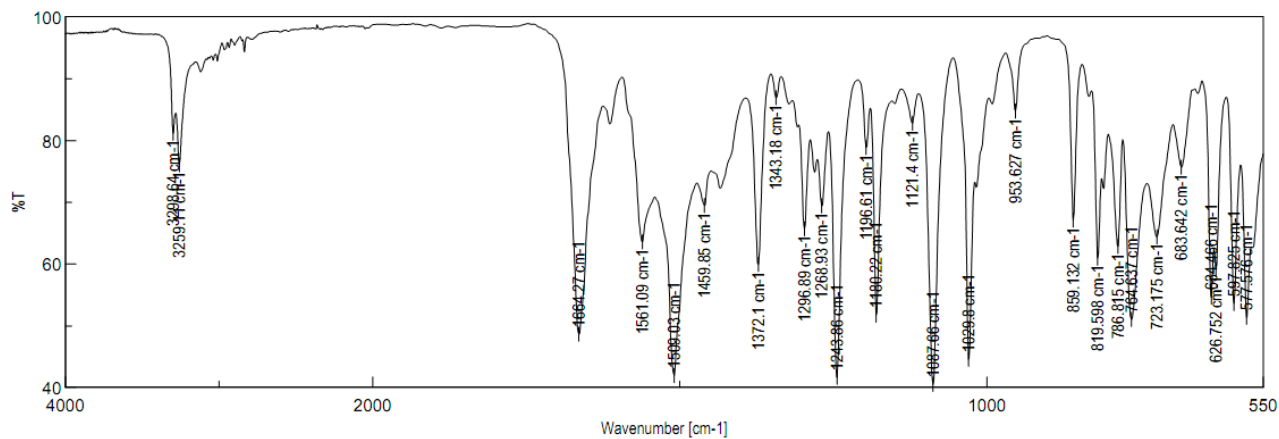
6a *N,N'*-(phenylmethylene)diacetamide Table 1, entry 1:



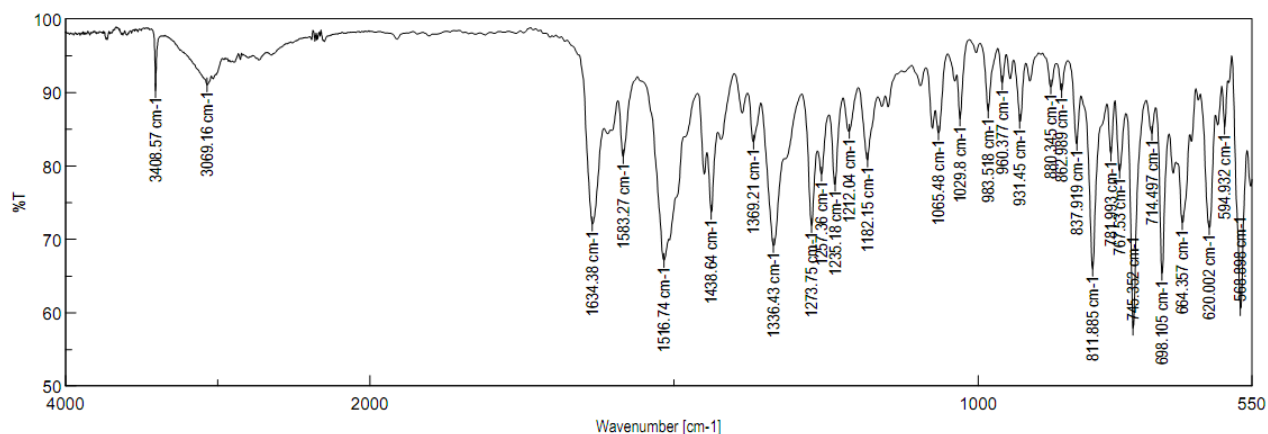
6c *N,N'*-((3-nitrophenyl)methylene)diacetamide Table 1, entry 3:



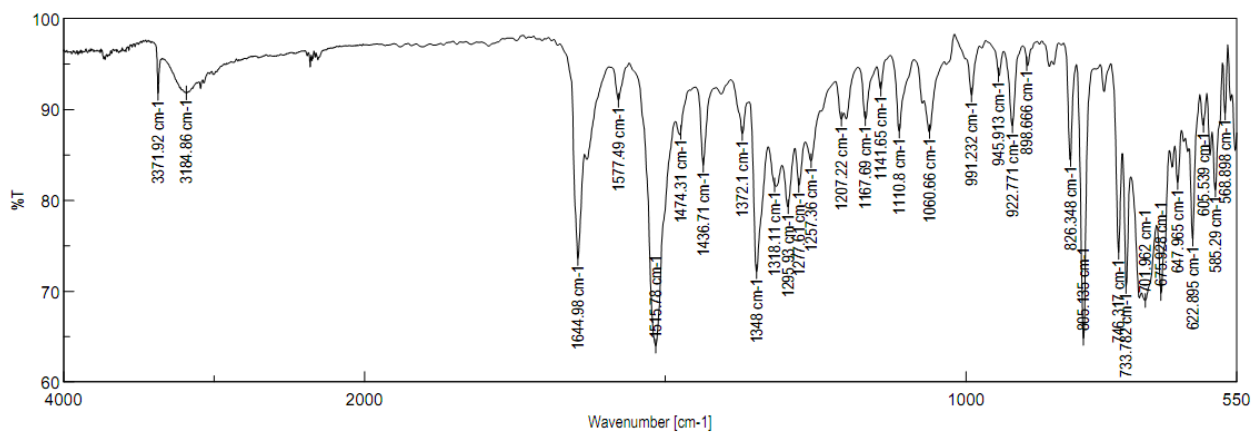
6g *N,N'*-((4-methoxyphenyl)methylene)diacetamide Table 1, entry 7:



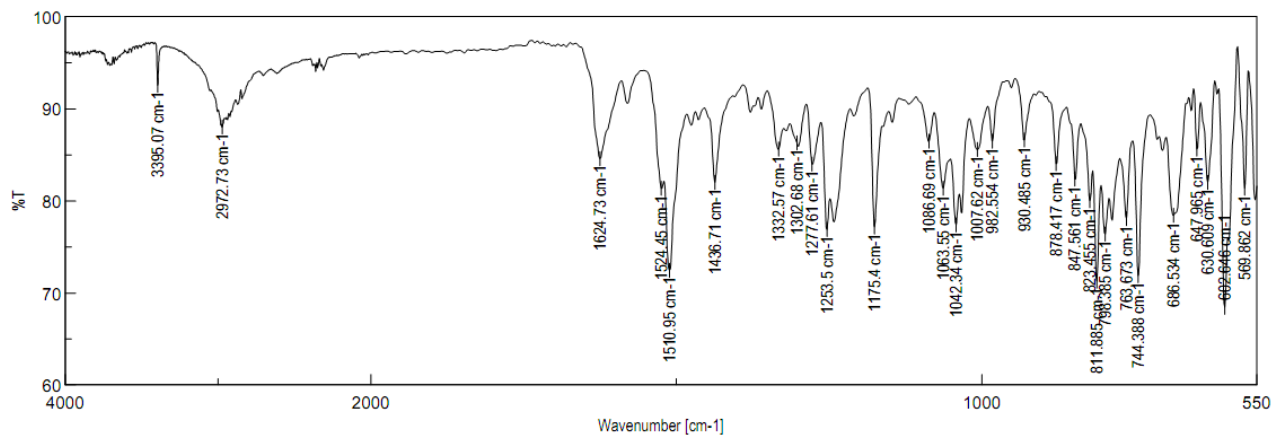
7a N-((2-hydroxynaphthalen-1-yl)(phenyl)methyl)acetamide Table 2, entry 1:



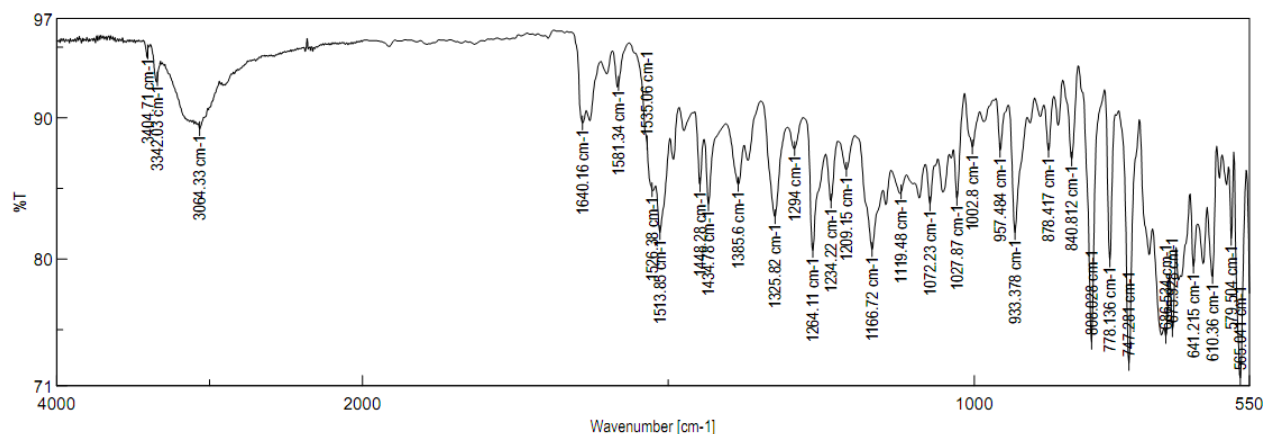
7b N-((2-hydroxynaphthalen-1-yl)(3-nitrophenyl)methyl)acetamide Table 2, entry 2:



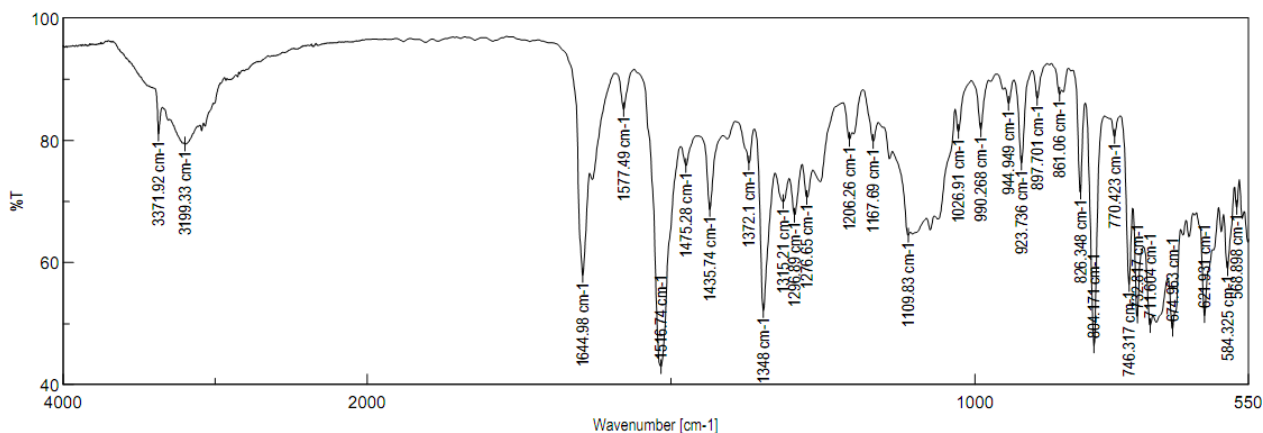
7f N-((2-hydroxynaphthalen-1-yl)(4-methoxyphenyl)methyl)acetamide Table 2, entry 6:



7h N-((2-hydroxynaphthalen-1-yl)(phenyl)methyl)ethanethioamide Table 2, entry 8:



7i N-((2-hydroxynaphthalen-1-yl)(3-nitrophenyl)methyl)ethanethioamide Table 2, entry 9:



7l N-((2-hydroxynaphthalen-1-yl)(4-methoxyphenyl)methyl)ethanethioamide Table 2, entry 12:

