

The reaction of 4-hydroxy-6*H*-1,3-oxazin-6-ones with amidines – a route to access new 1,3,5-triazine derivatives

**Polina O. Levshukova^{1*}, Denis A. Kolesnik¹, Margarita O. Dosina²,
Igor P. Yakovlev¹, Lidiya A. Tunguskova¹, Elena V. Kuvaeva¹,
Tamara L. Semakova¹, Galina V. Ksenofontova¹, Yurii G. Pokhodnya³**

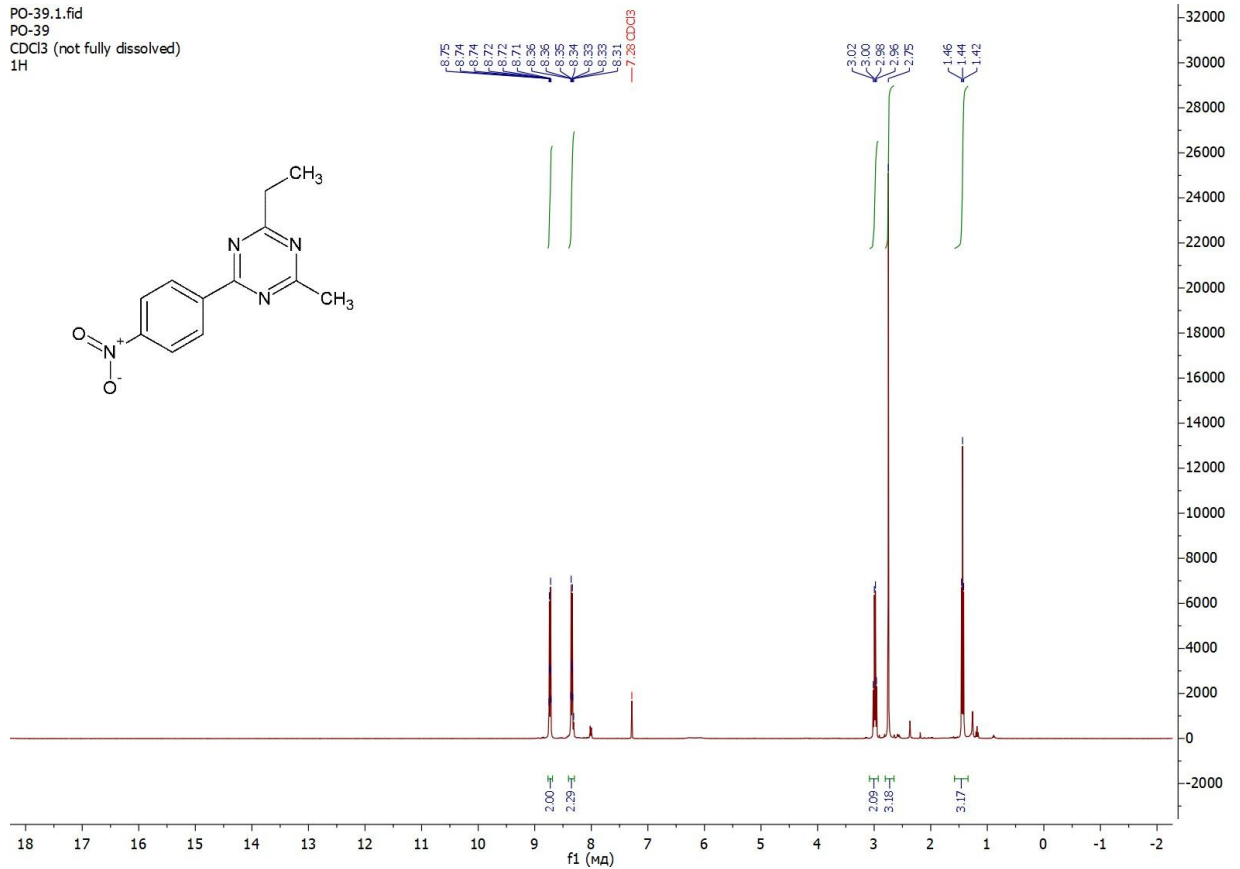
¹ *Saint Petersburg State Chemical and Pharmaceutical University,
14 Professora Popova St., Saint Petersburg 197376, Russia;
e-mail: levshukova.polina@pharminnotech.com*

² *Institute of Physiology, National Academy of Sciences of Belarus,
28 Akademicheskaya St., Minsk 220072, Belarus*

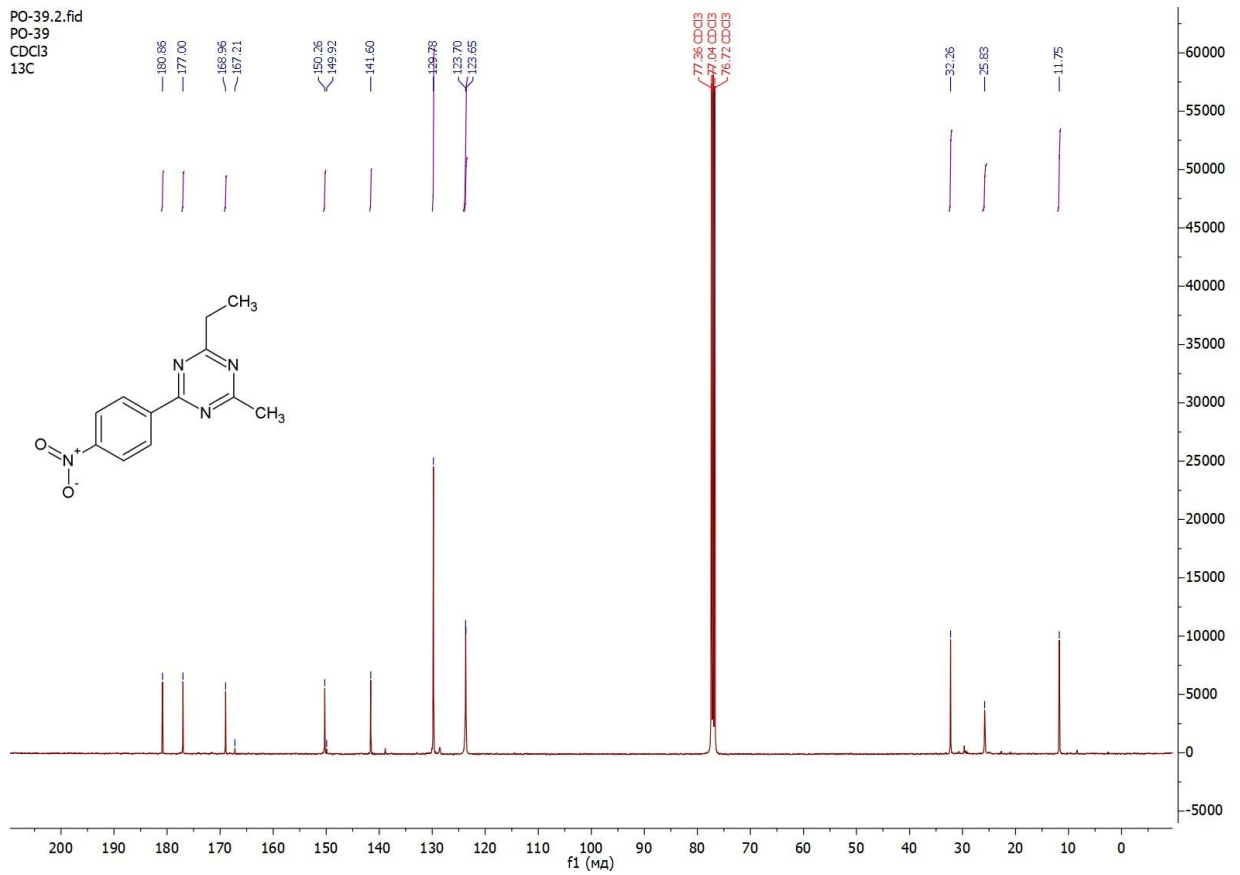
³ *Health Institution "National Anti-Doping Laboratory",
31, ag. Lesnoy, Minsk region, 223040, Belarus*

SUPPLEMENTARY INFORMATION

¹H NMR spectrum of compound 3a

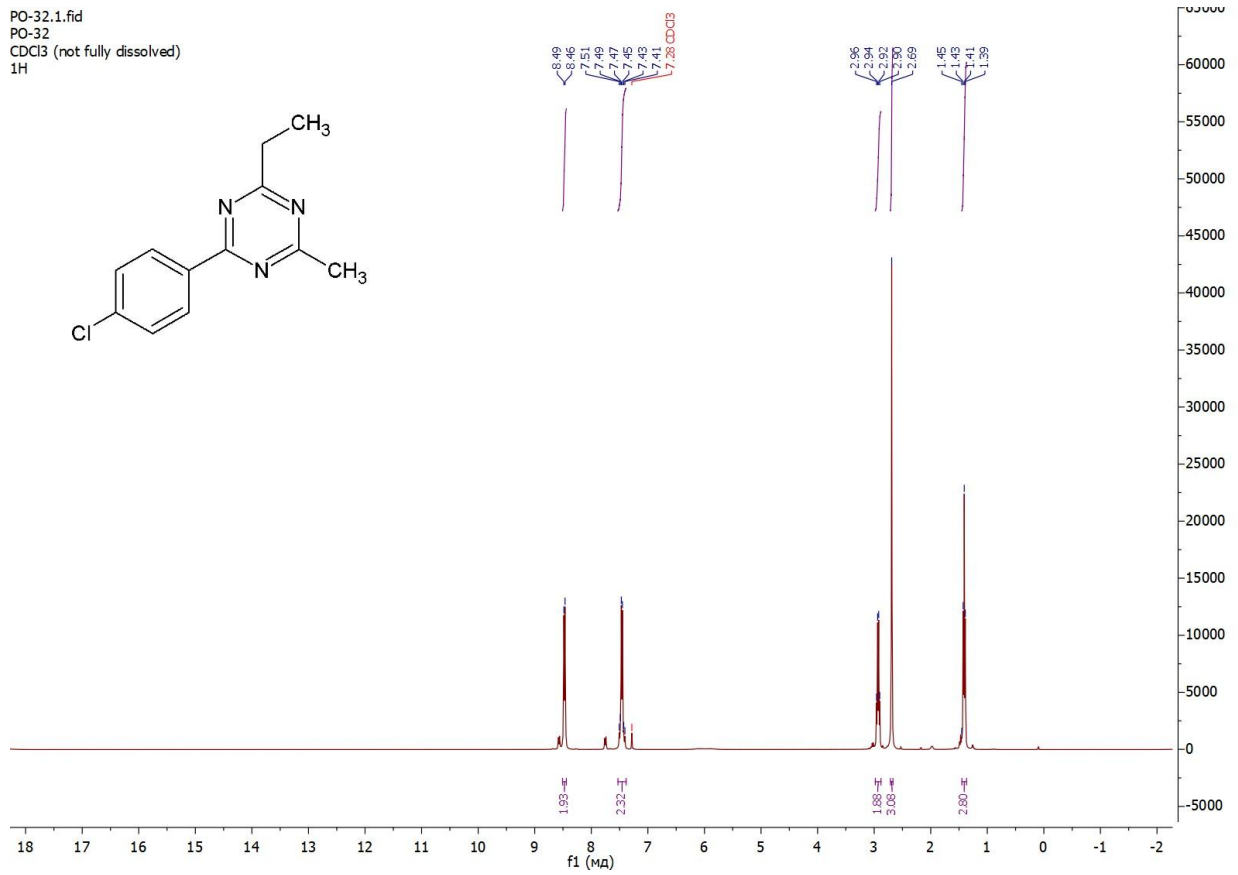
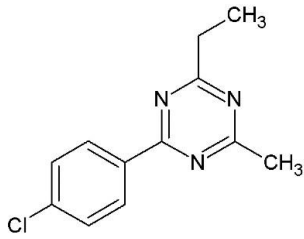


¹³C NMR spectrum of compound 3a



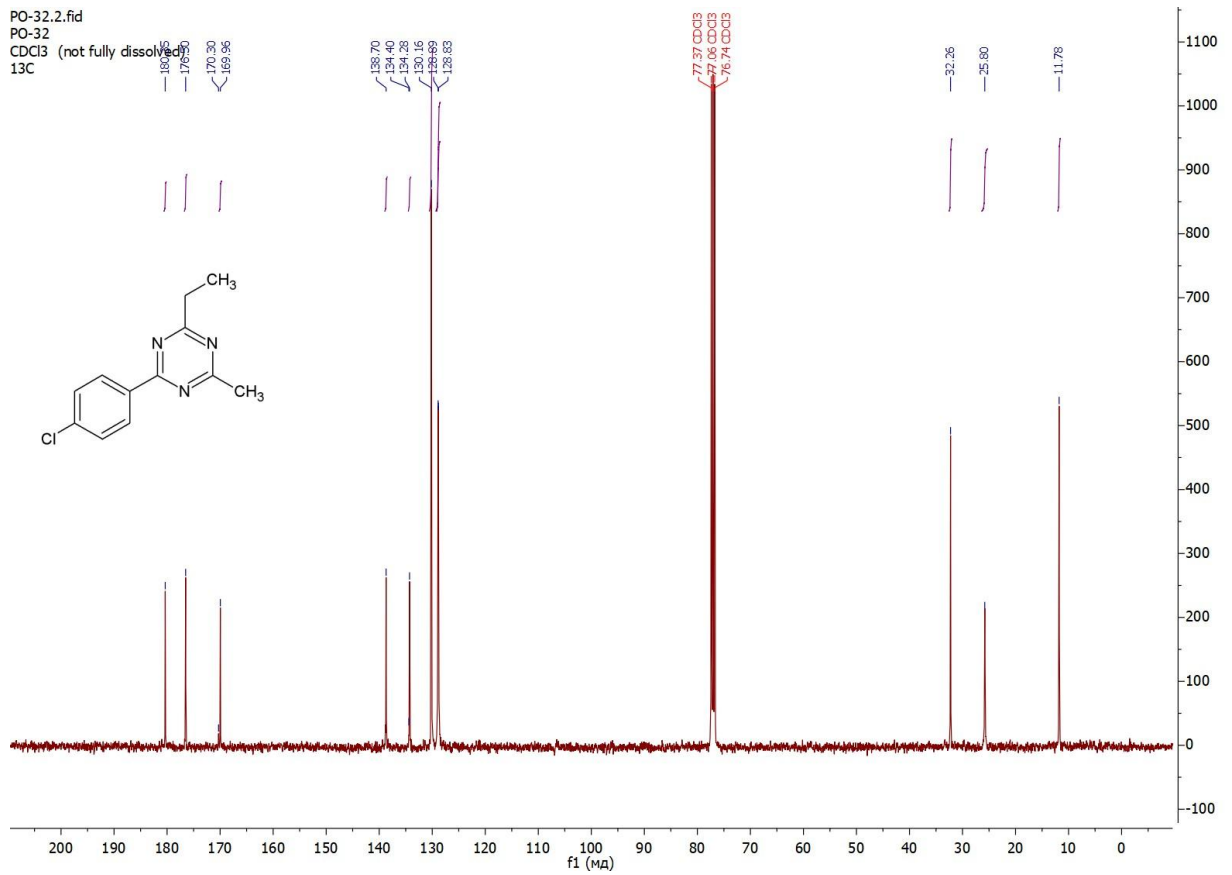
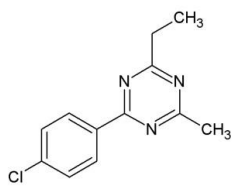
¹H NMR spectrum of compound 3b

PO-32.1.fid
PO-32
CDCl₃ (not fully dissolved)
1H

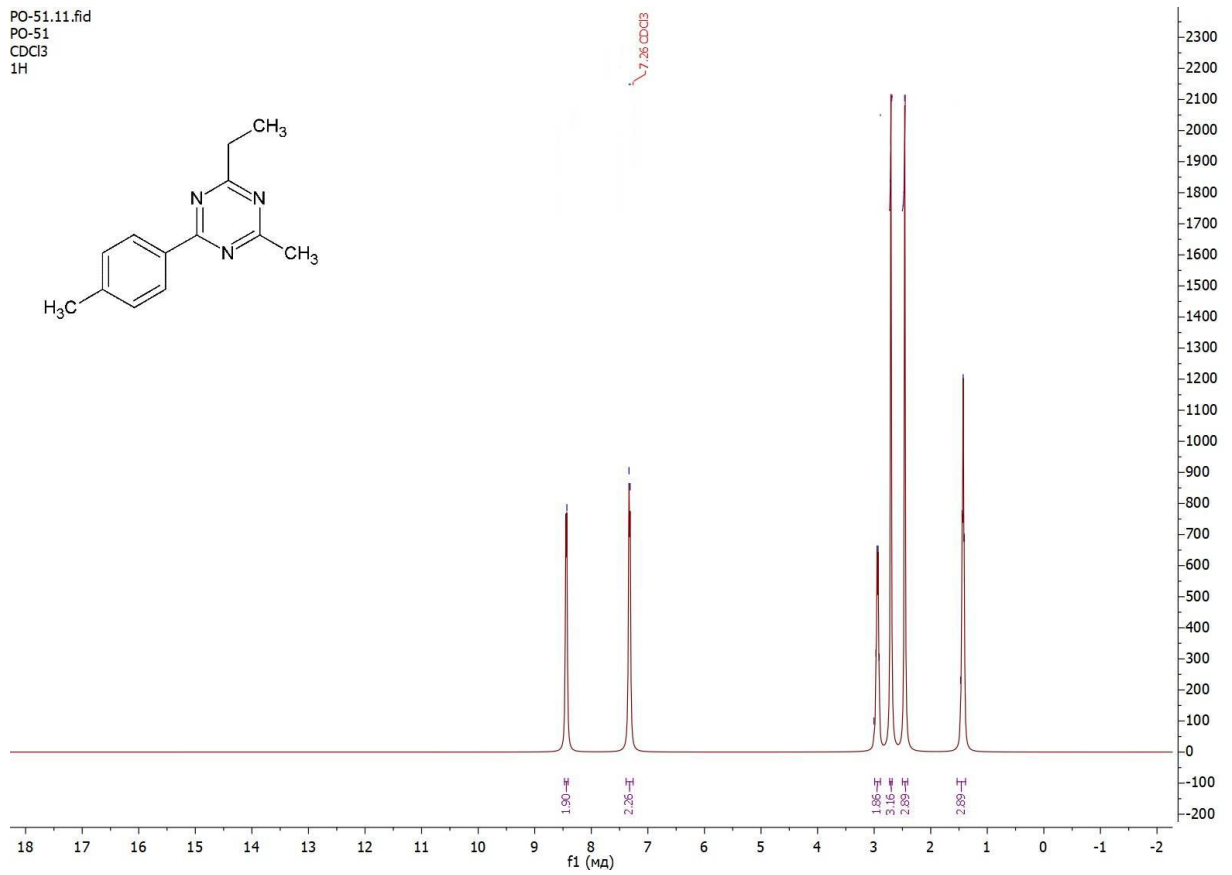


¹³C NMR spectrum of compound 3b

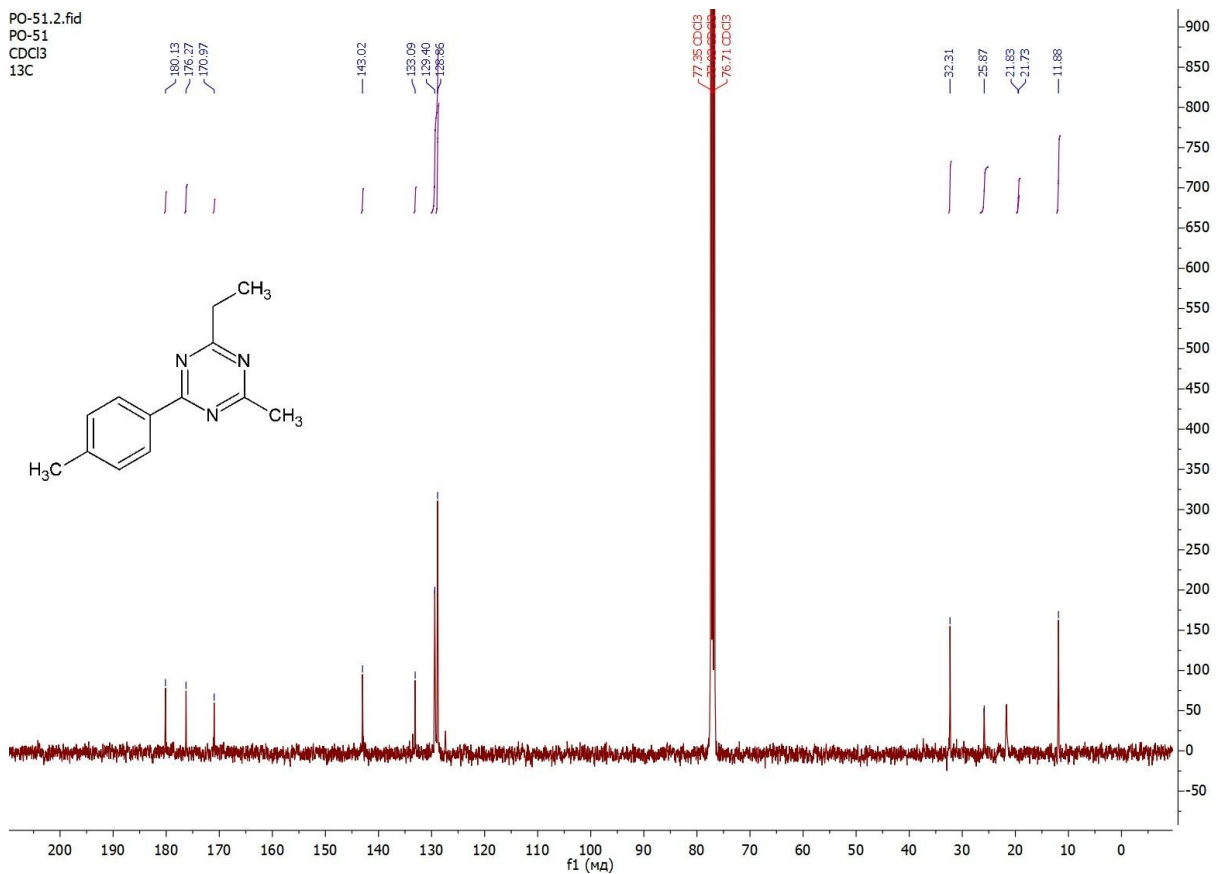
PO-32.2.fid
PO-32
CDCl₃ (not fully dissolved)
13C



¹H NMR spectrum of compound 3d

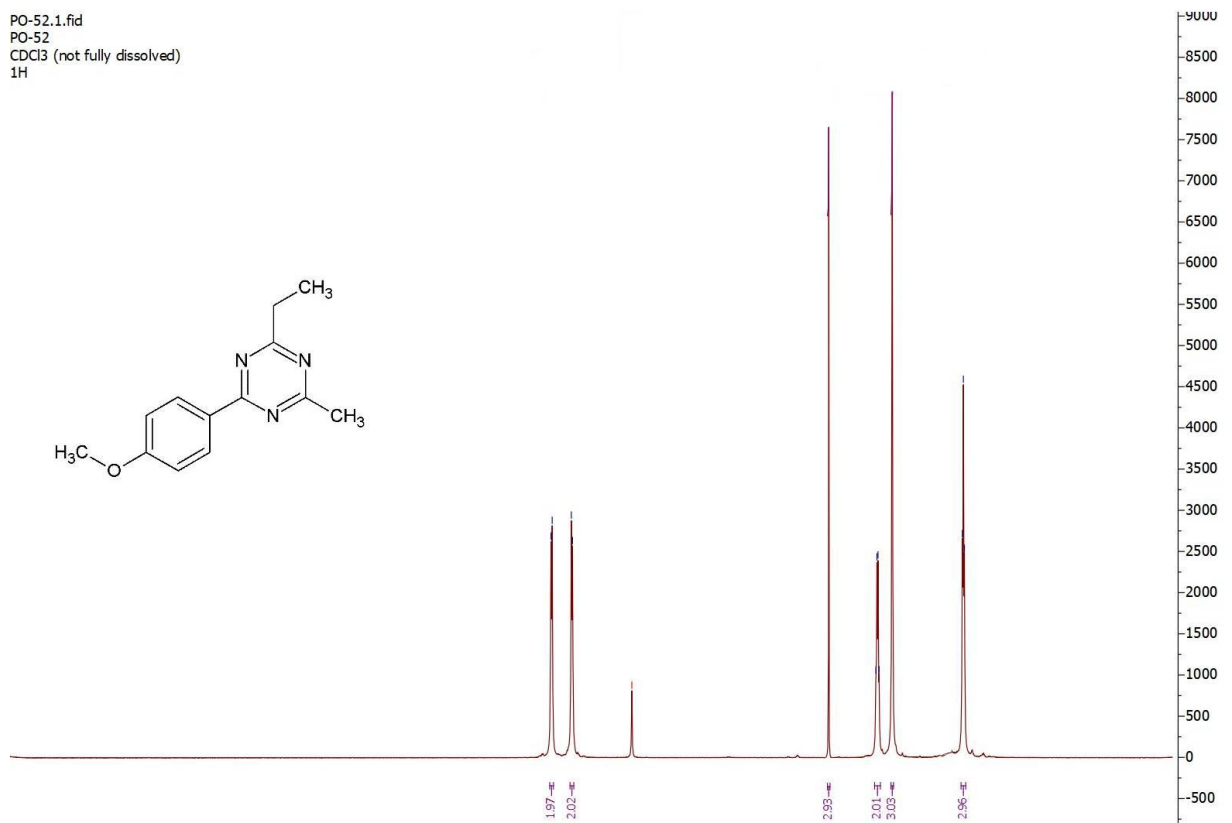


¹³C NMR spectrum of compound 3d



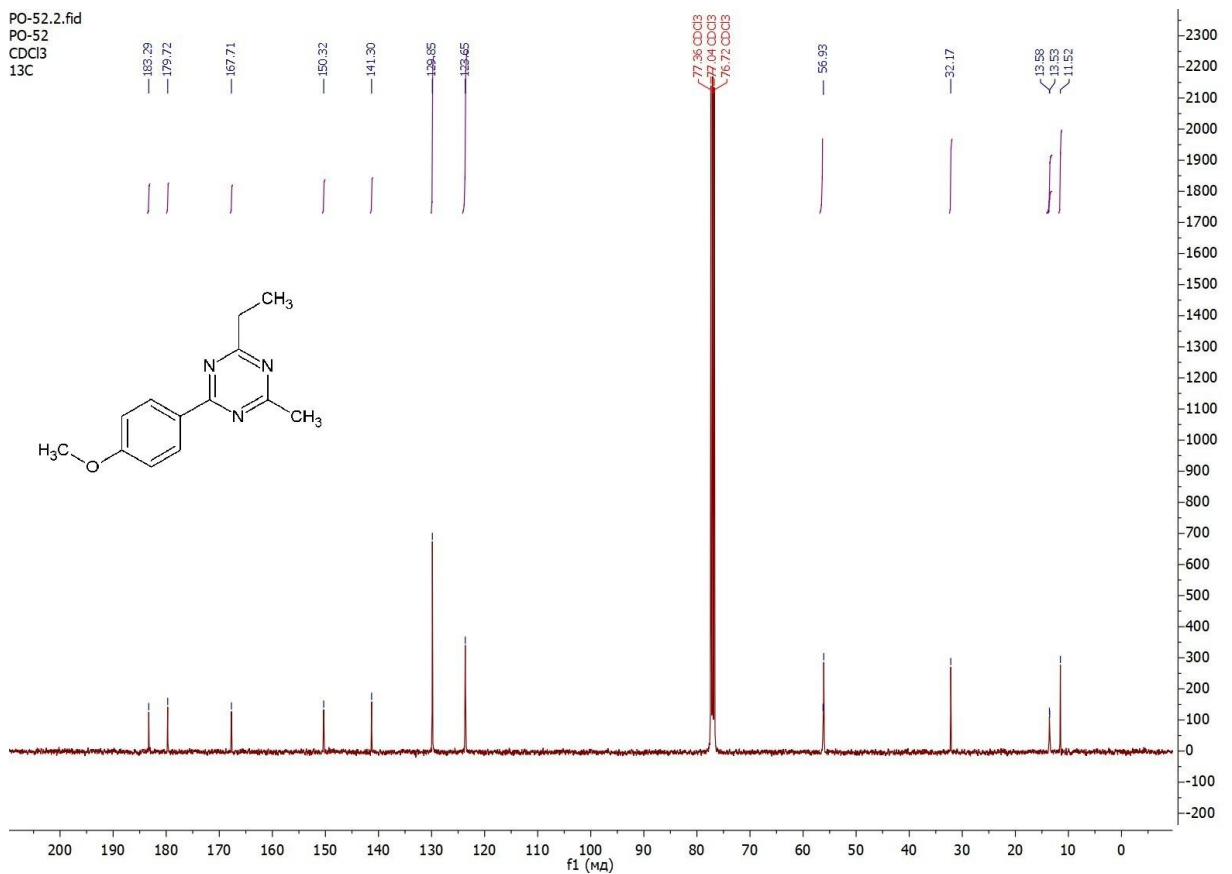
¹H NMR spectrum of compound 3e

PO-52.1.fid
PO-52
CDCl₃ (not fully dissolved)
1H



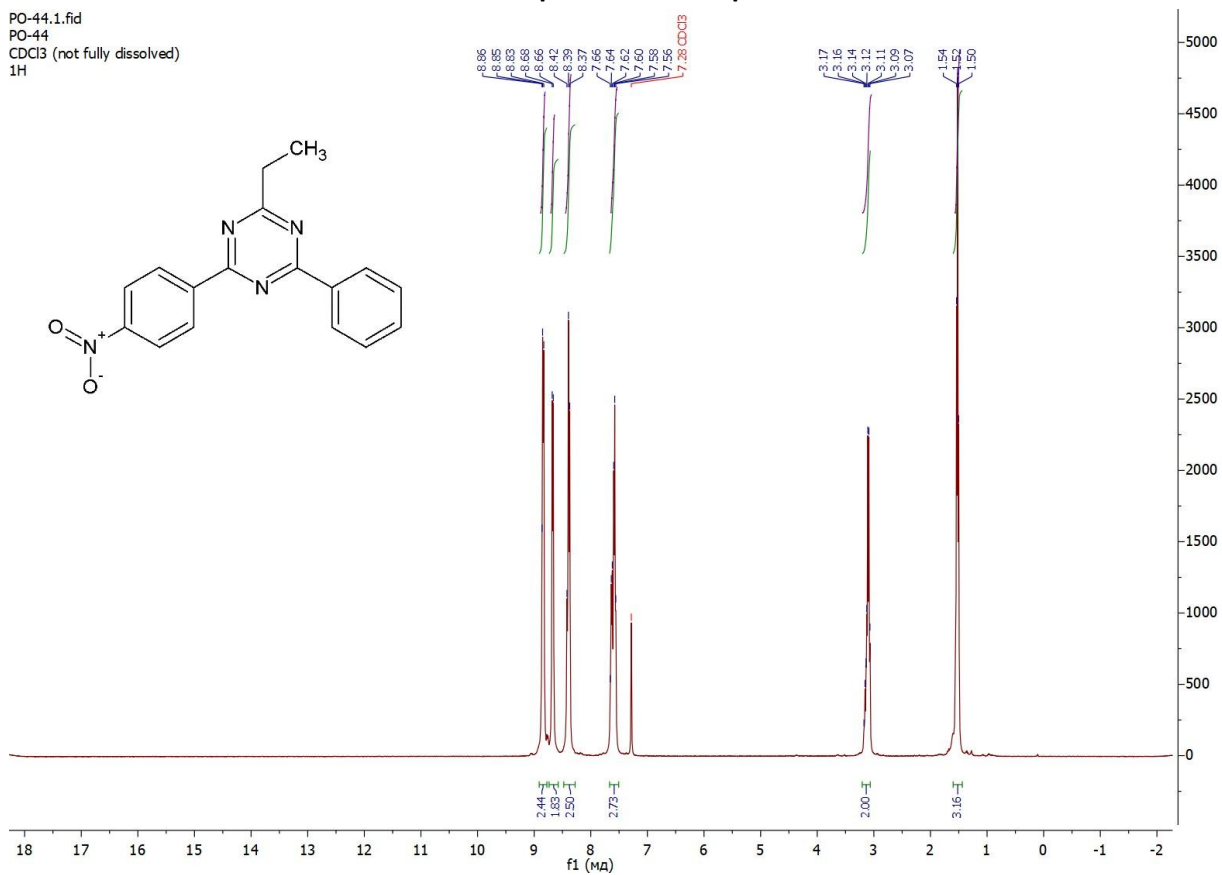
¹³C NMR spectrum of compound 3e

PO-52.2.fid
PO-52
CDCl₃
13C



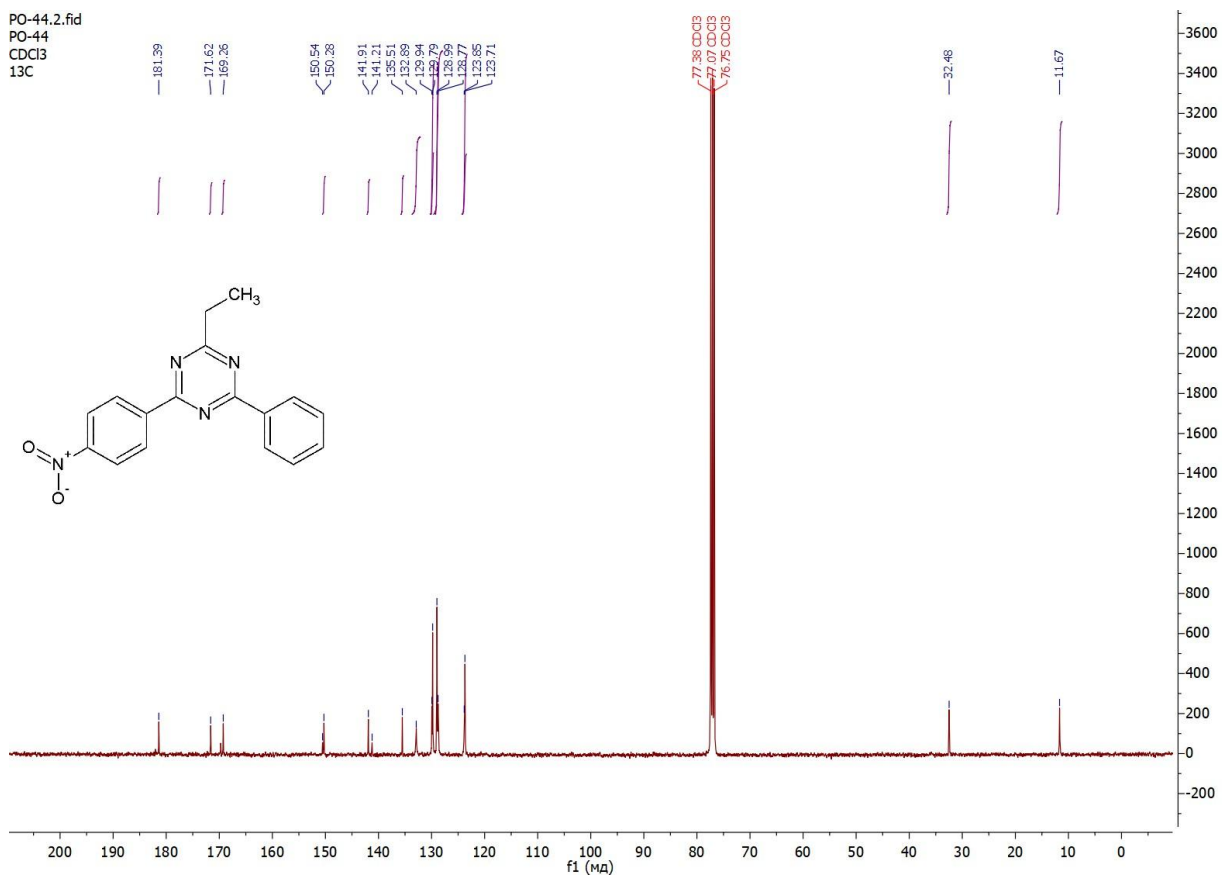
¹H NMR spectrum of compound 3f

PO-44.1.fid
PO-44
CDCl₃ (not fully dissolved)
1H



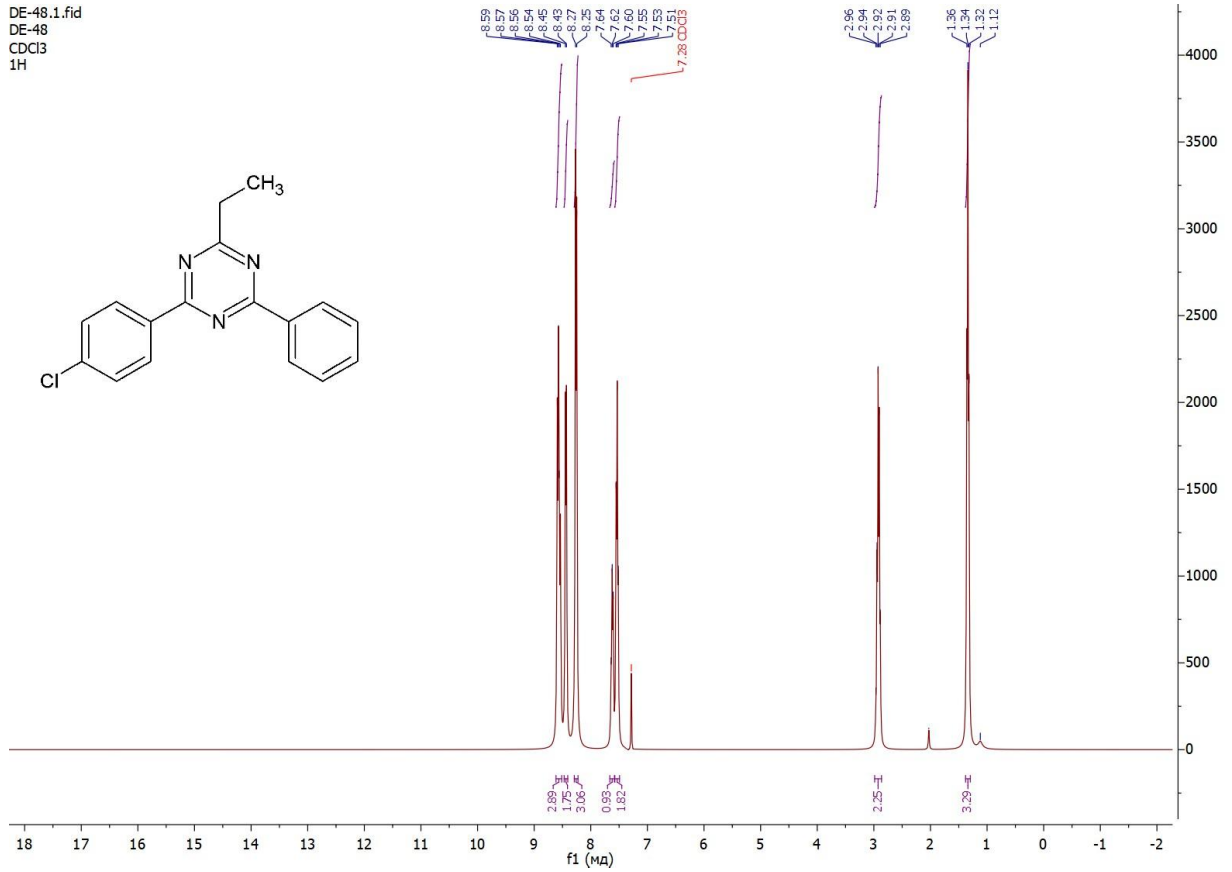
¹³C NMR spectrum of compound 3f

PO-44.2.fid
PO-44
CDCl₃
13C



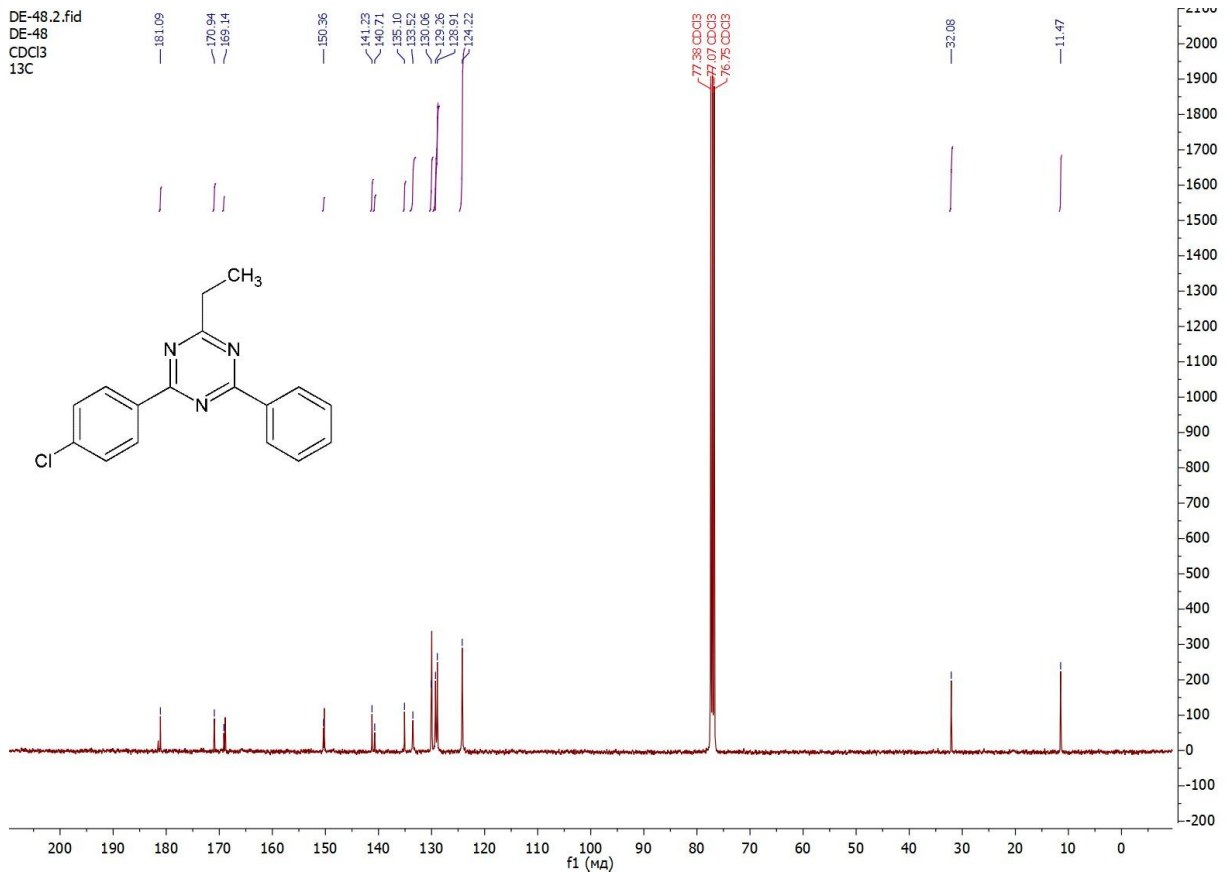
¹H NMR spectrum of compound 3g

DE-48.1.fid
DE-48
CDCl₃
1H



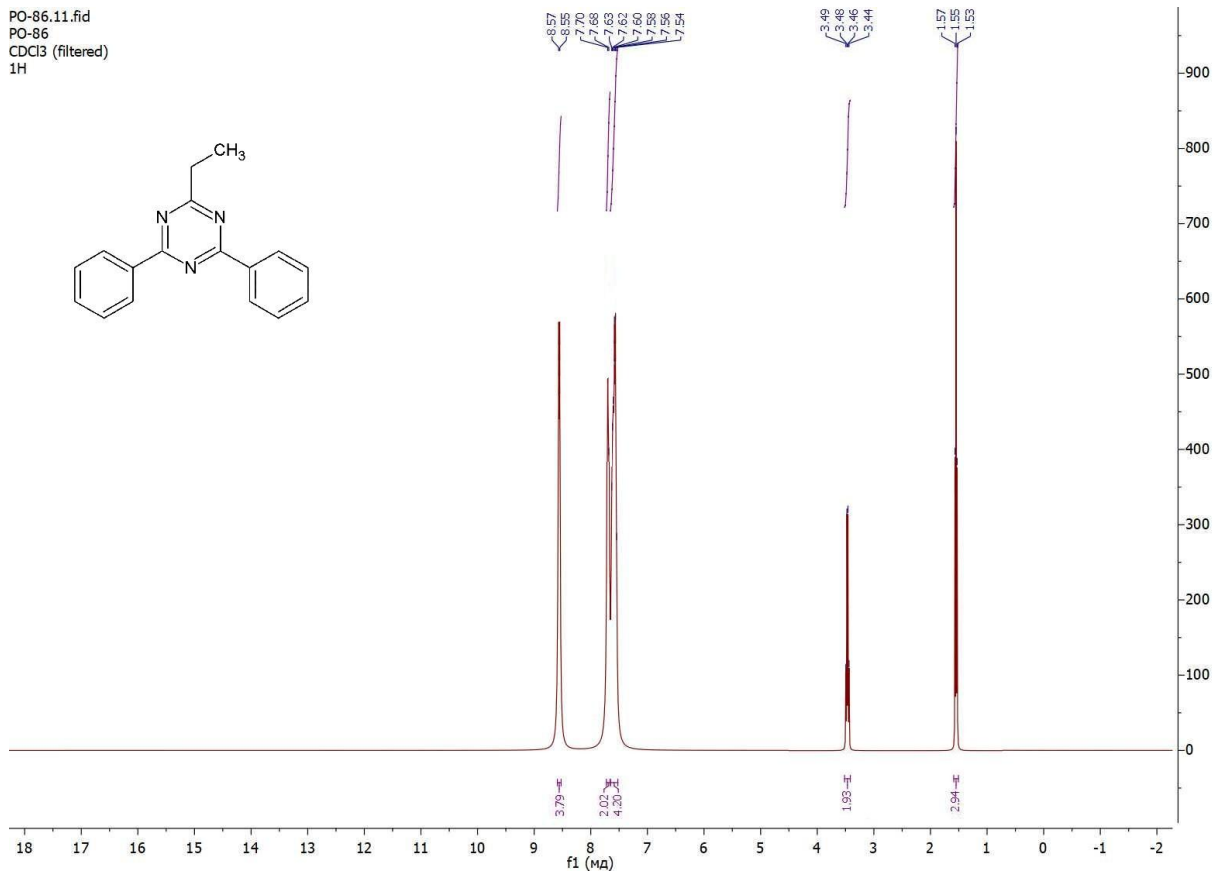
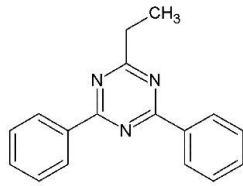
¹³C NMR spectrum of compound 3g

DE-48.2.fid
DE-48
CDCl₃
13C



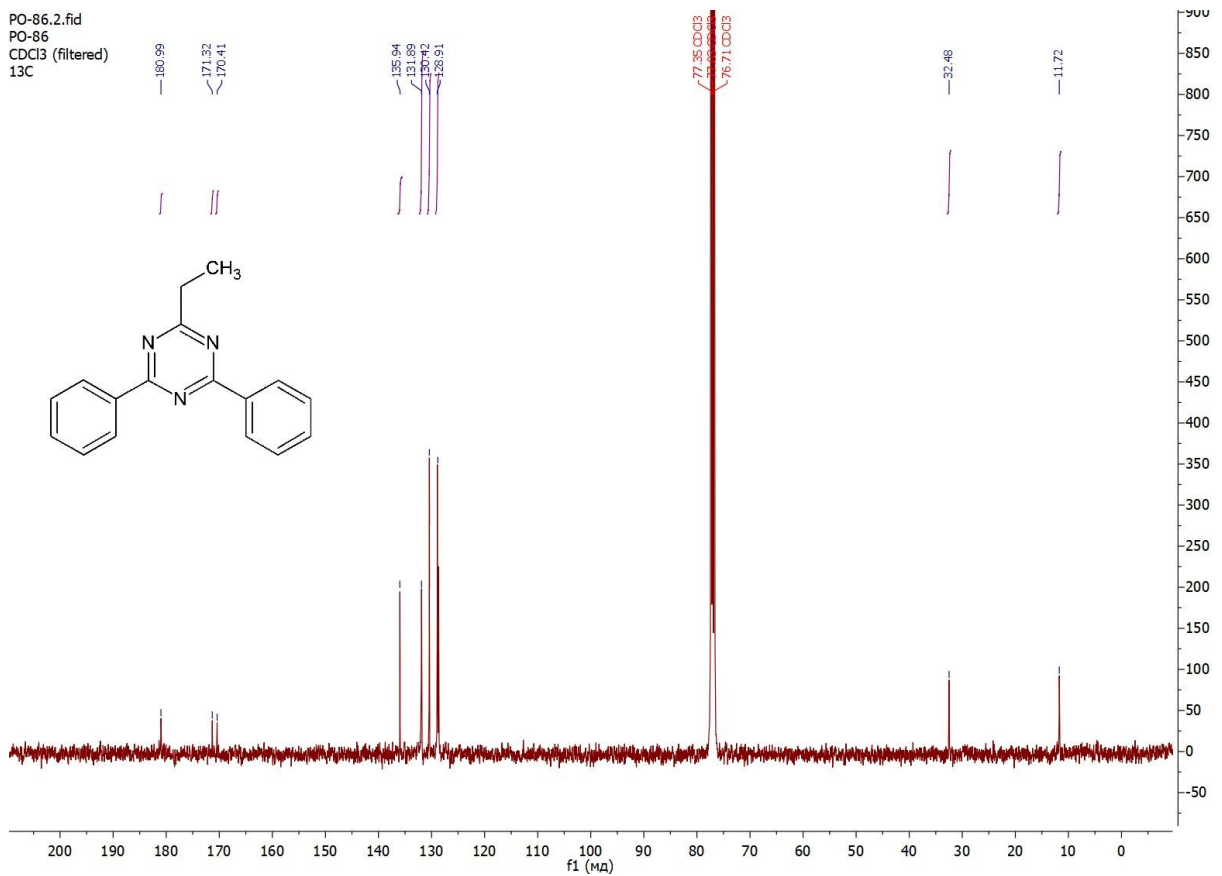
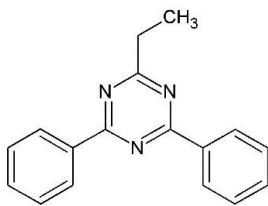
¹H NMR spectrum of compound 3h

PO-86.11.fid
PO-86
CDCl₃ (filtered)
1H



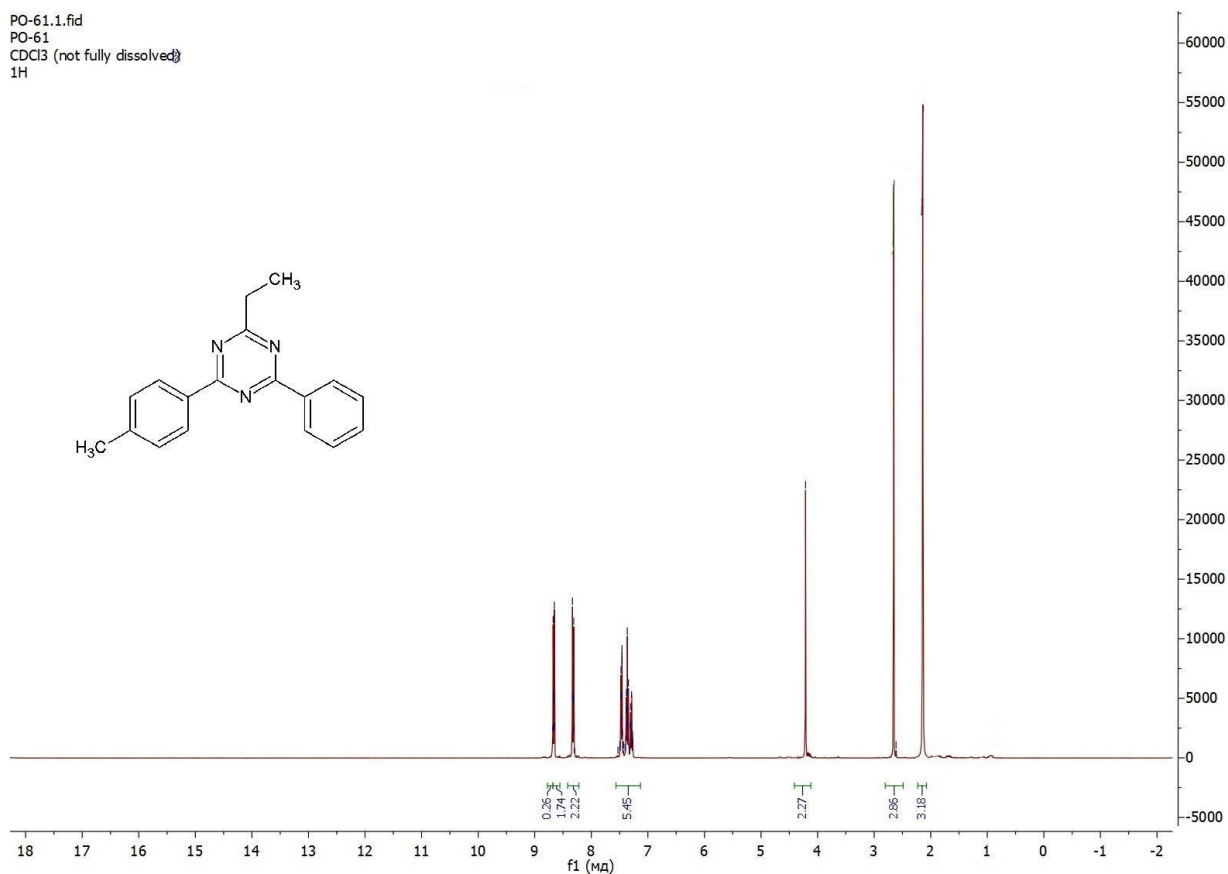
¹³C NMR spectrum of compound 3h

PO-86.2.fid
PO-86
CDCl₃ (filtered)
13C



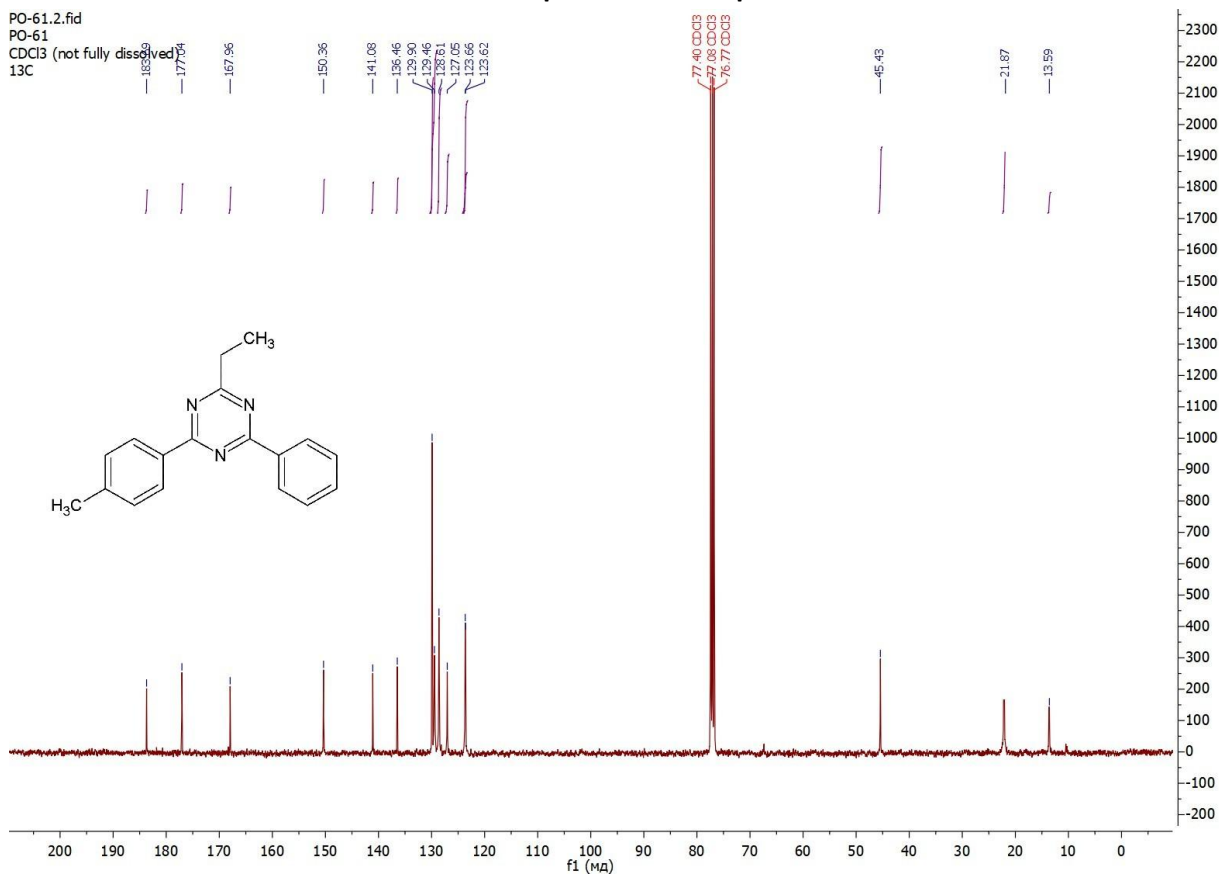
¹H NMR spectrum of compound 3i

PO-61.1.fid
PO-61
CDCl₃ (not fully dissolved)
1H



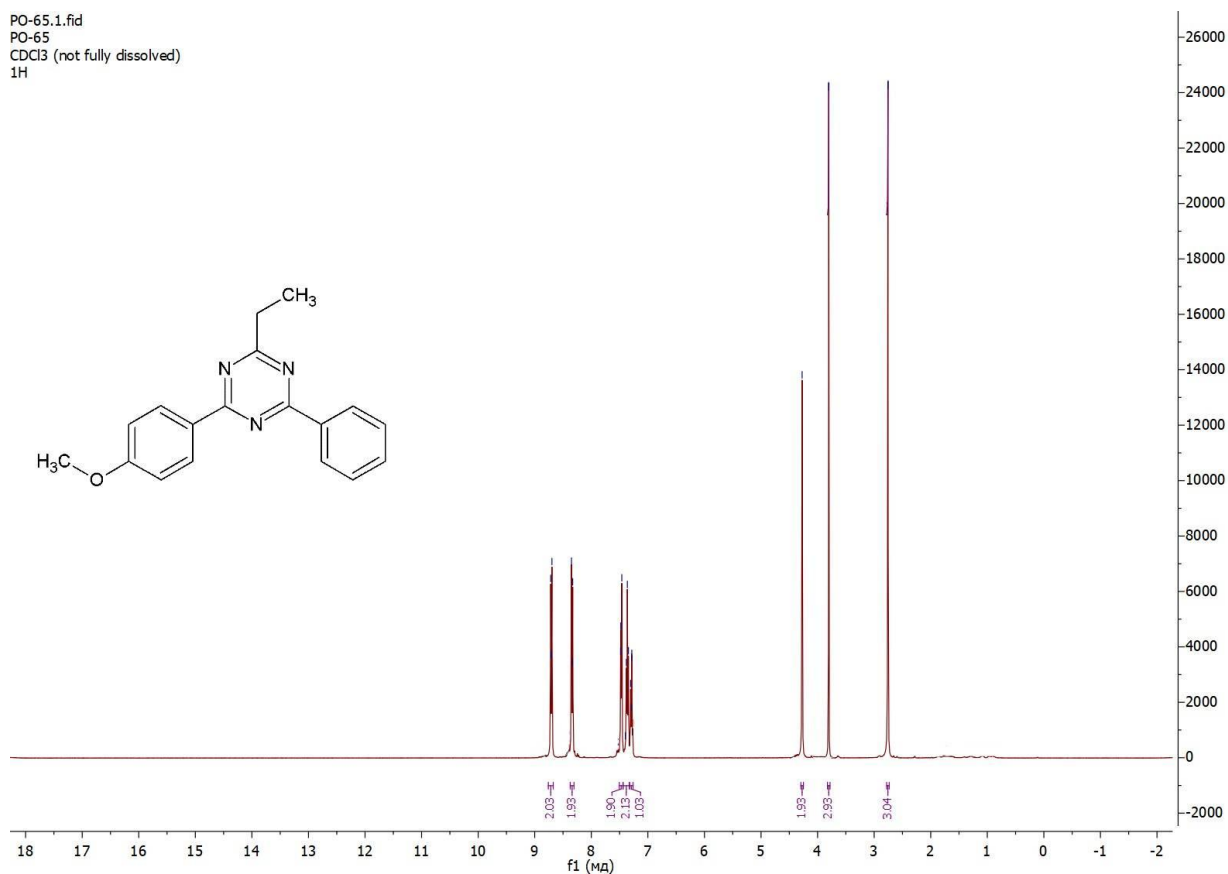
¹³C NMR spectrum of compound 3i

PO-61.2.fid
PO-61
CDCl₃ (not fully dissolved)
13C



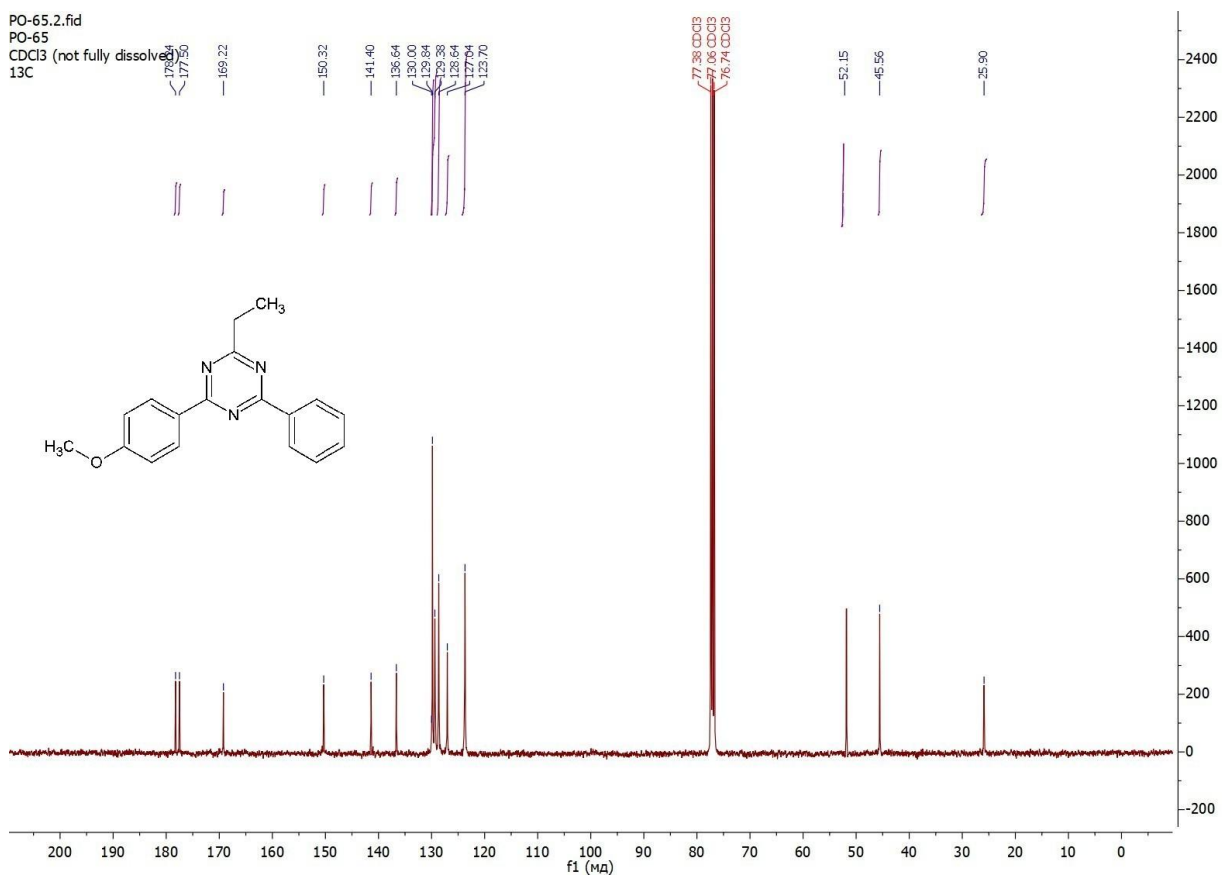
¹H NMR spectrum of compound 3j

PO-65.1.fid
PO-65
CDCl₃ (not fully dissolved)
1H



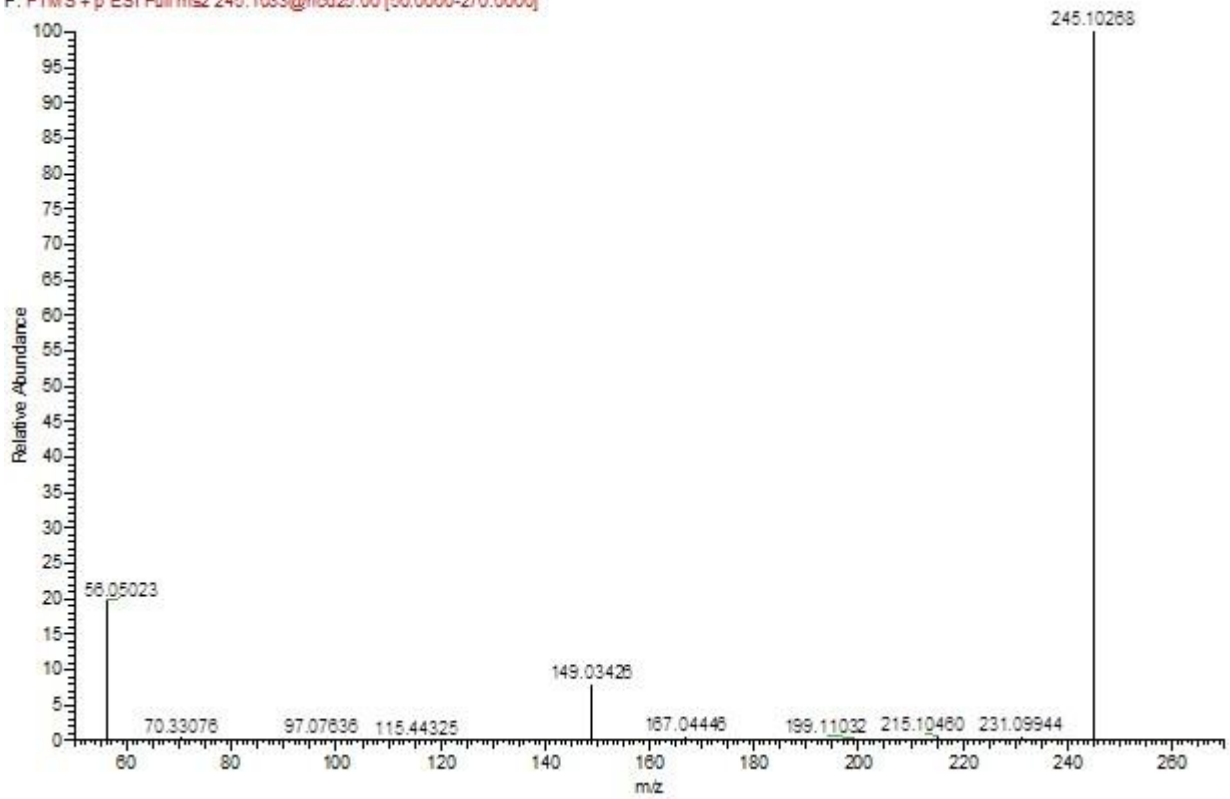
¹³C NMR spectrum of compound 3j

PO-65.2.fid
PO-65
CDCl₃ (not fully dissolved)
13C



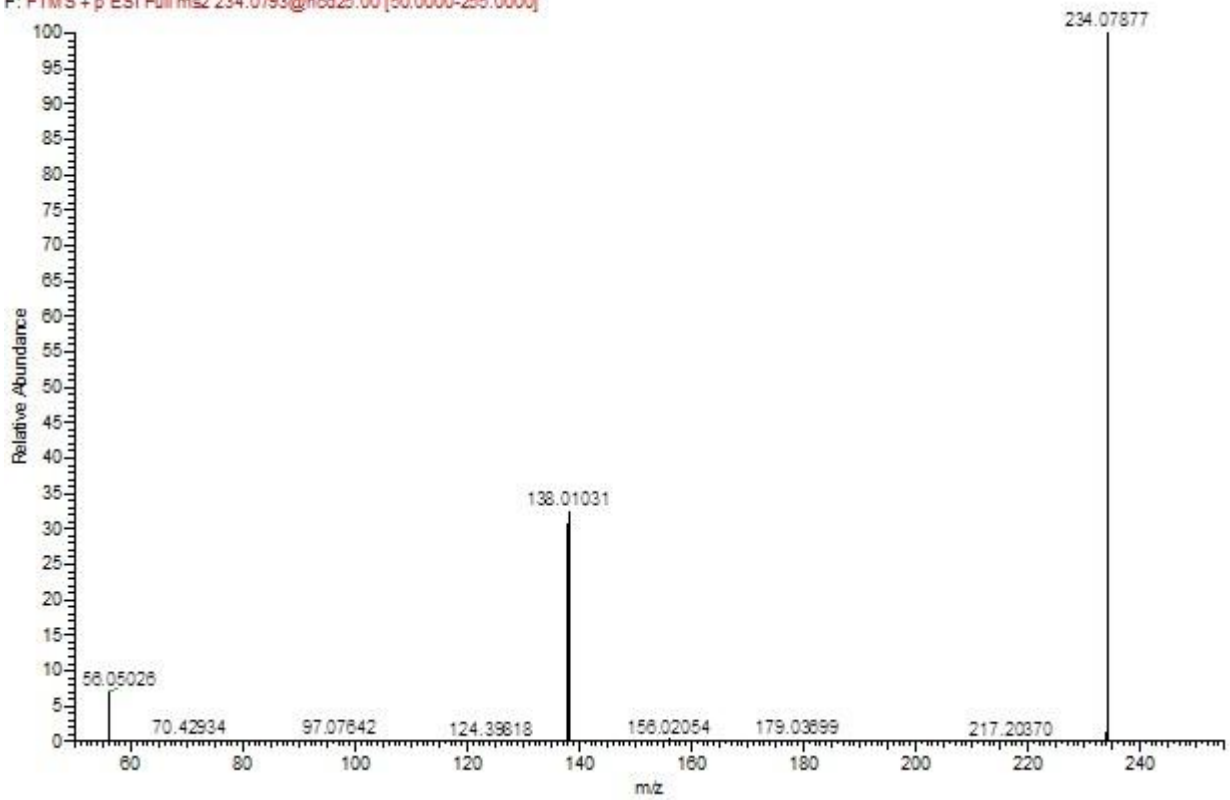
Mass-spectrum of compound 3a

PO-3 10000-PRM-CE-25#1661 RT: 3.47 AV: 1 NL: 1.64E9
F: FTMS + p ESI Full ms2 245.1033@hod25.00 [50.0000-270.0000]



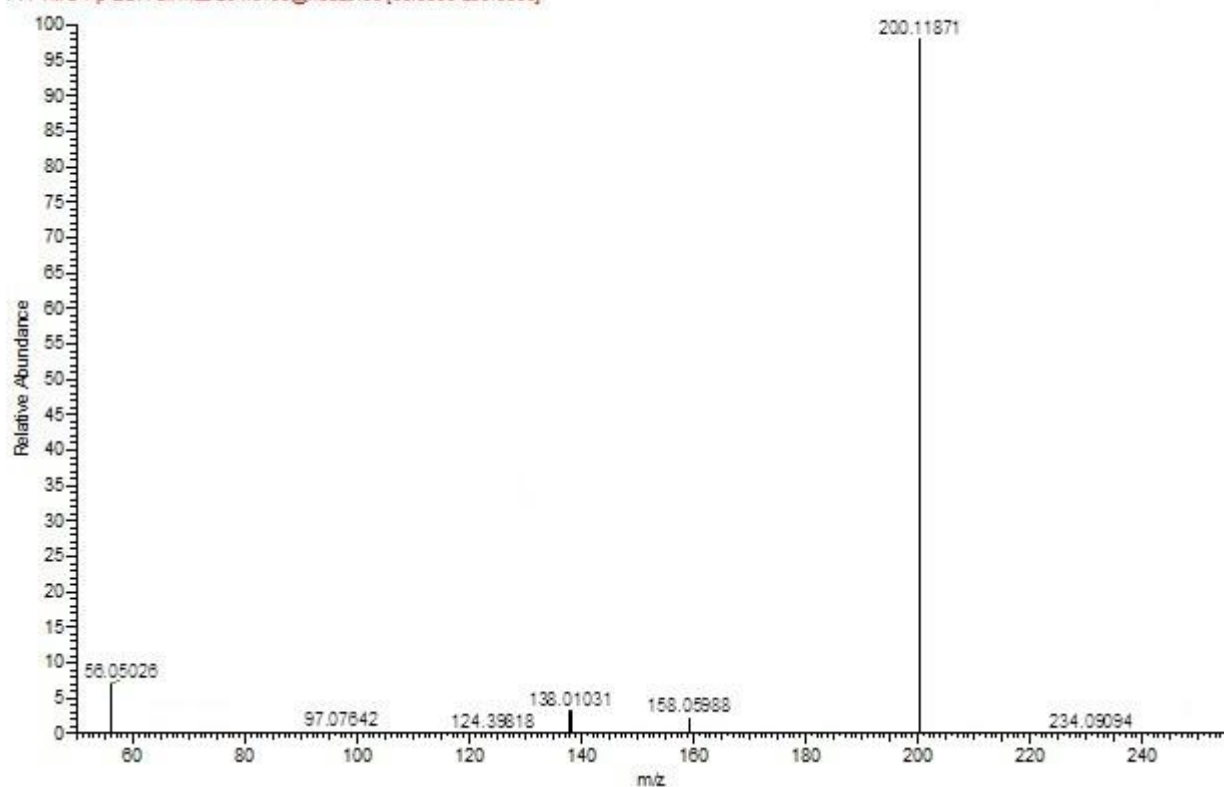
Mass-spectrum of compound 3b

PO-2 10000-PRM-CE-25#1801 RT: 3.76 AV: 1 NL: 1.91E9
F: FTMS + p ESI Full ms2 234.0793@hod25.00 [50.0000-255.0000]



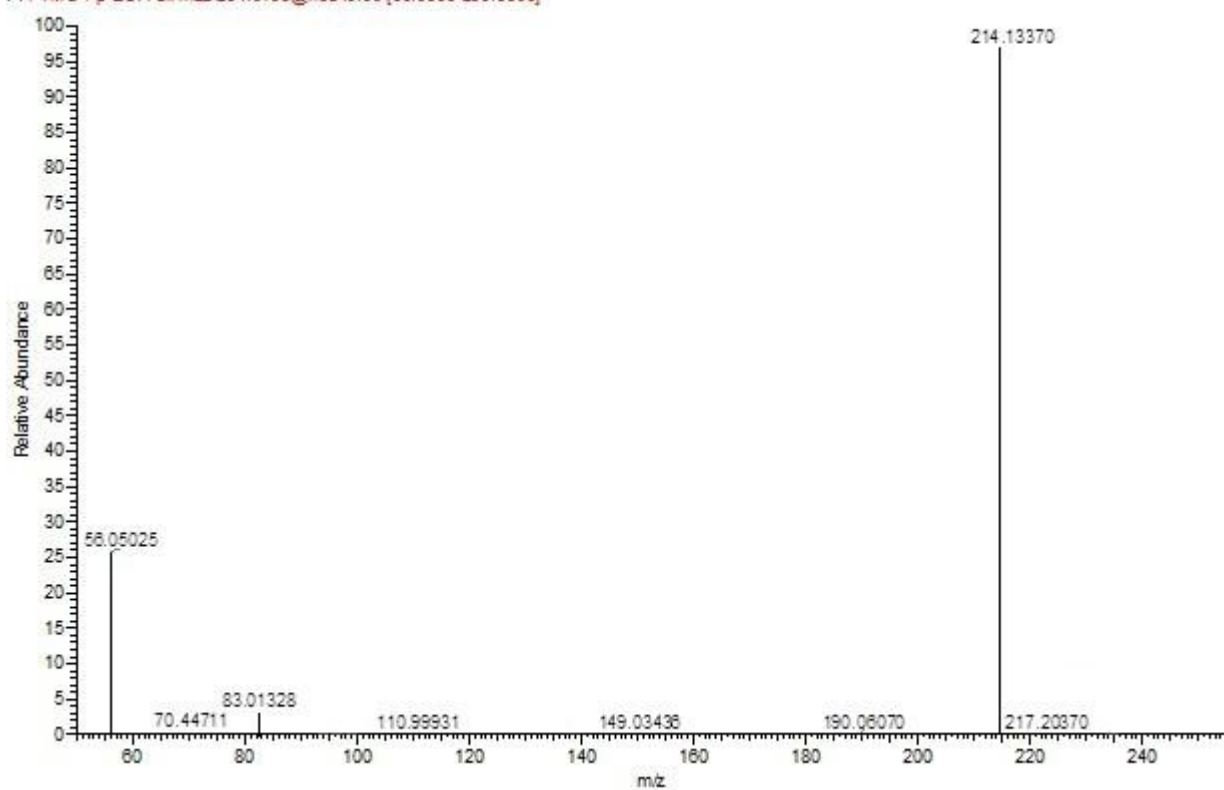
Mass-spectrum of compound 3c

PO-1 10000-PRM-CE-2F #1801 RT: 3.76 AV: 1 NL: 1.91E9
F: FTMS + p ESI Full ms2 234.0793@hod25.00 [50.0000-255.0000]



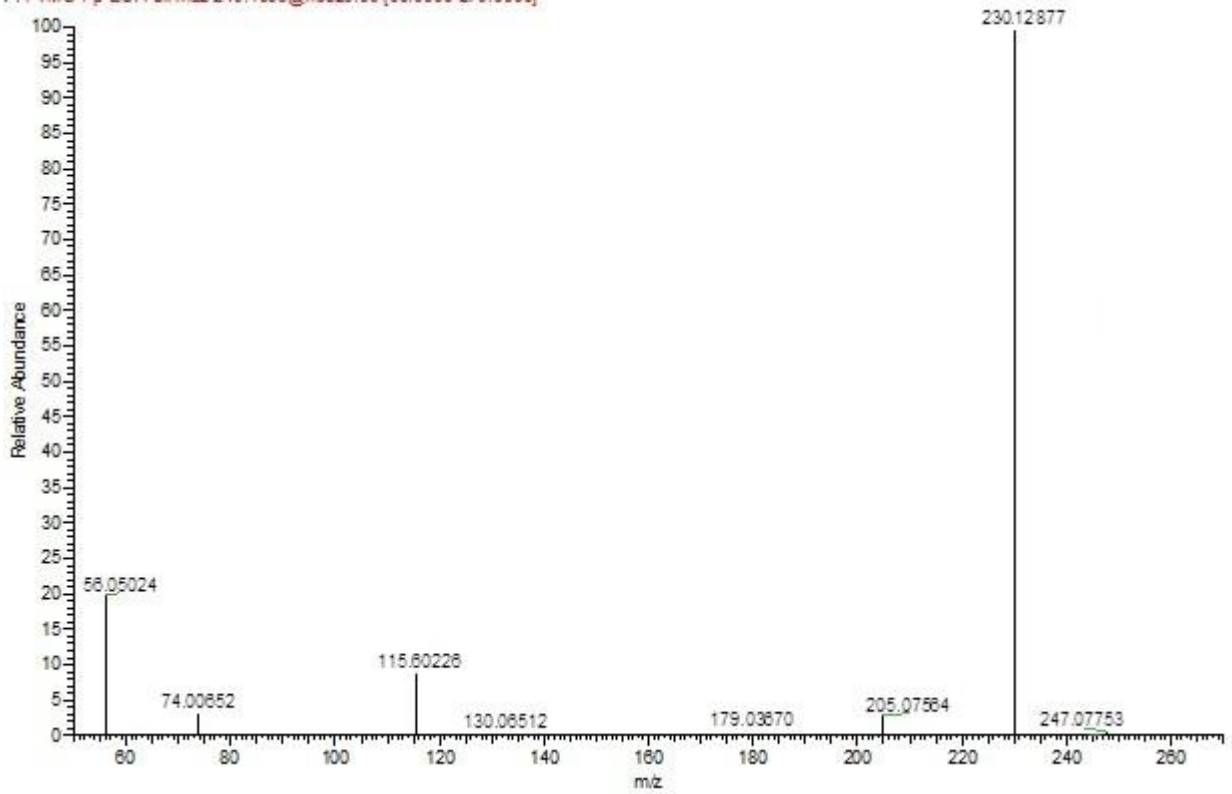
Mass-spectrum of compound 3d

PO-9 10000-PRM-CE-4E #1796 RT: 3.77 AV: 1 NL: 1.84E9
F: FTMS + p ESI Full ms2 234.0793@hod45.00 [50.0000-255.0000]



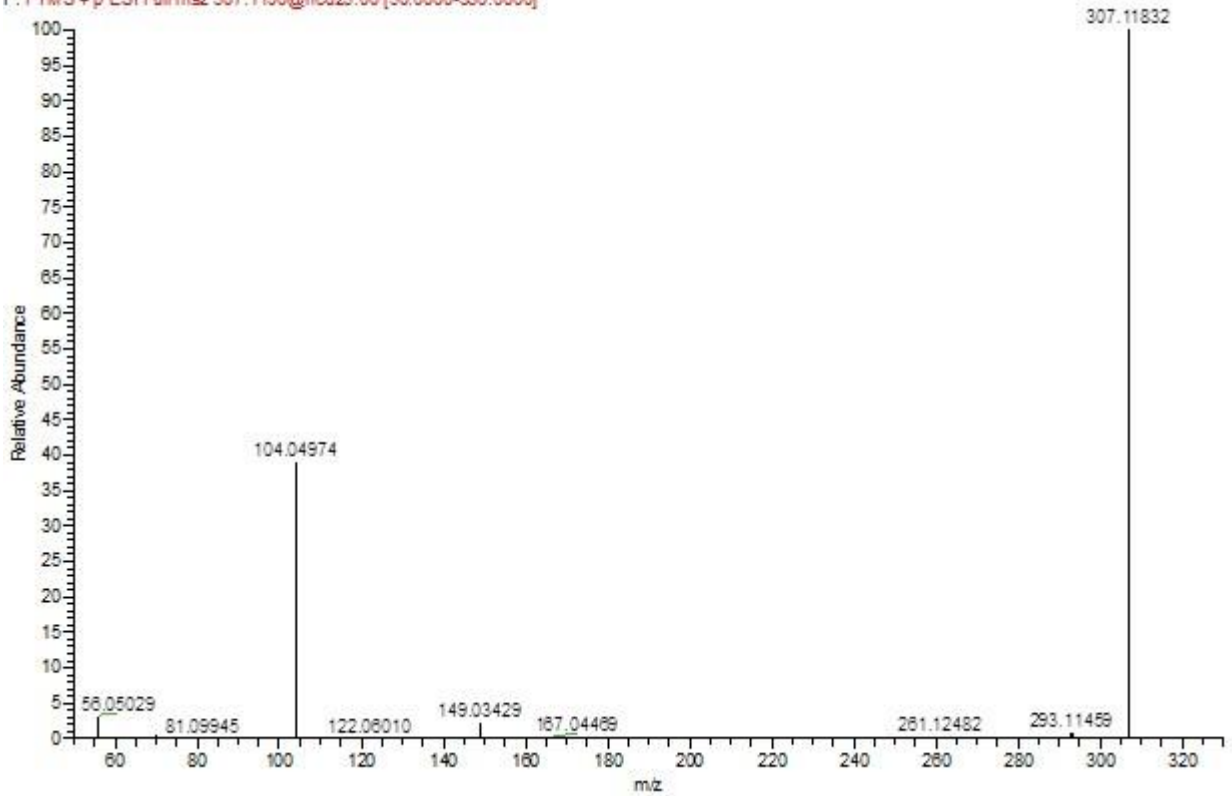
Mass-spectrum of compound 3e

PO-11 10000-PRM-CE-2F#1661 RT: 3.47 AV: 1 NL: 1.64E9
F: FTMS + p ESI Full ms2 246.1033@hod25.00 [50.0000-270.0000]



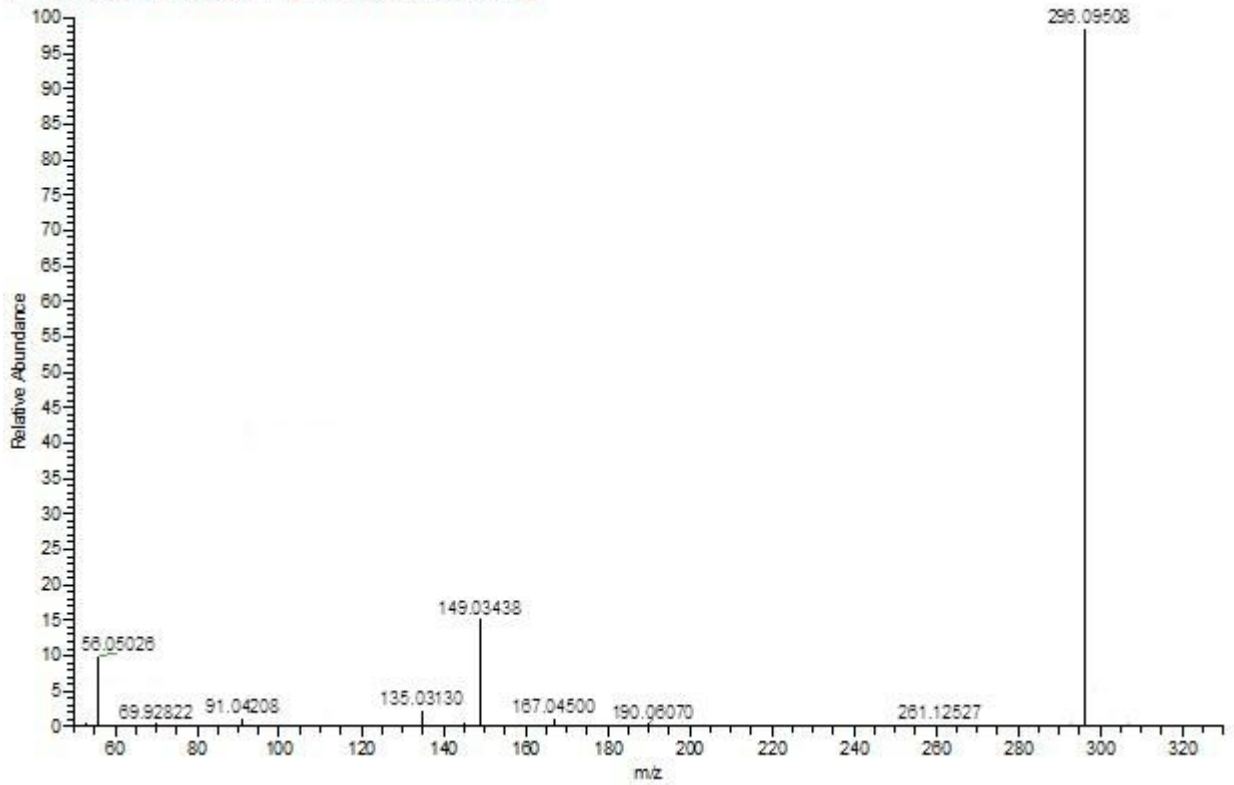
Mass-spectrum of compound 3f

PO-4 10000-PRM-CE-2F#1975 RT: 4.16 AV: 1 NL: 3.74E8
F: FTMS + p ESI Full ms2 307.1190@hod25.00 [50.0000-330.0000]



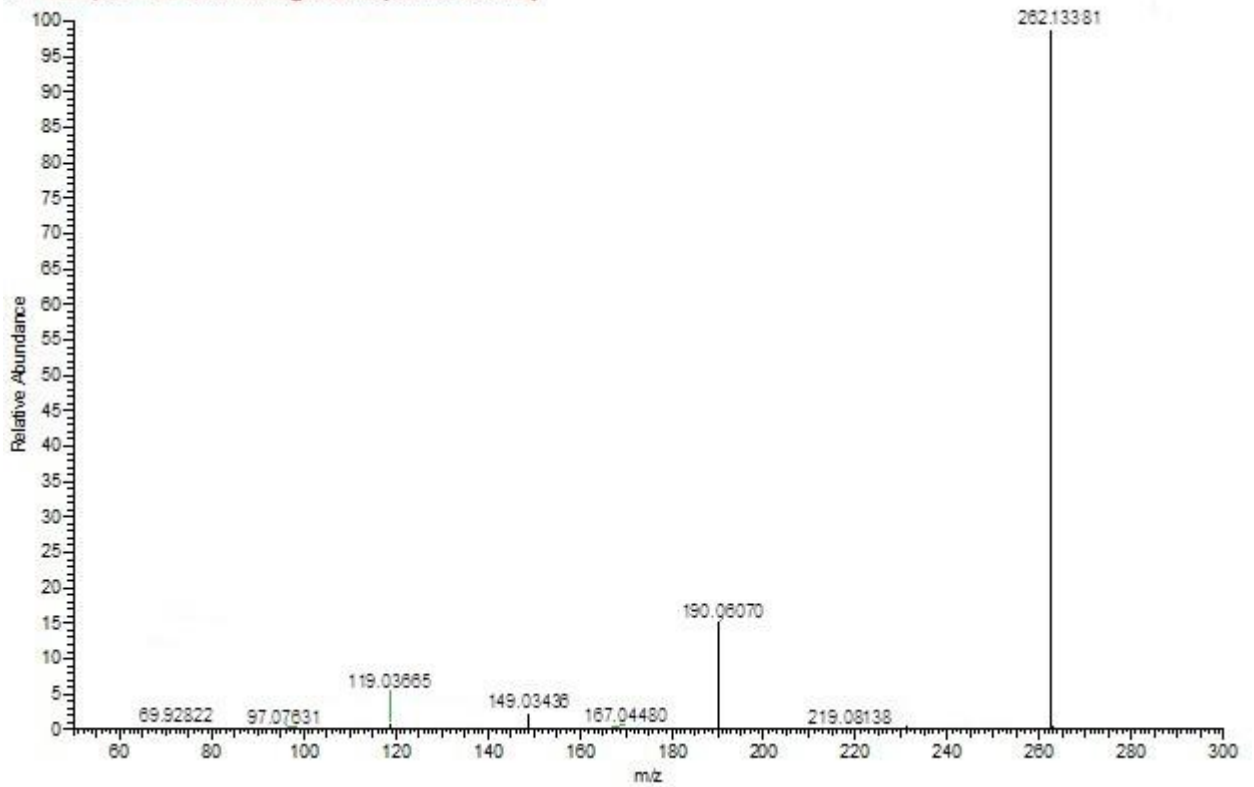
Mass-spectrum of compound 3g

PO-16 10000-PRM-CE-45 #1949 RT: 4.15 AV: 1 NL: 4.26E8
F: FTMS + p ESI Full ms2 307.1190@hod45.00 [50.0000-330.0000]



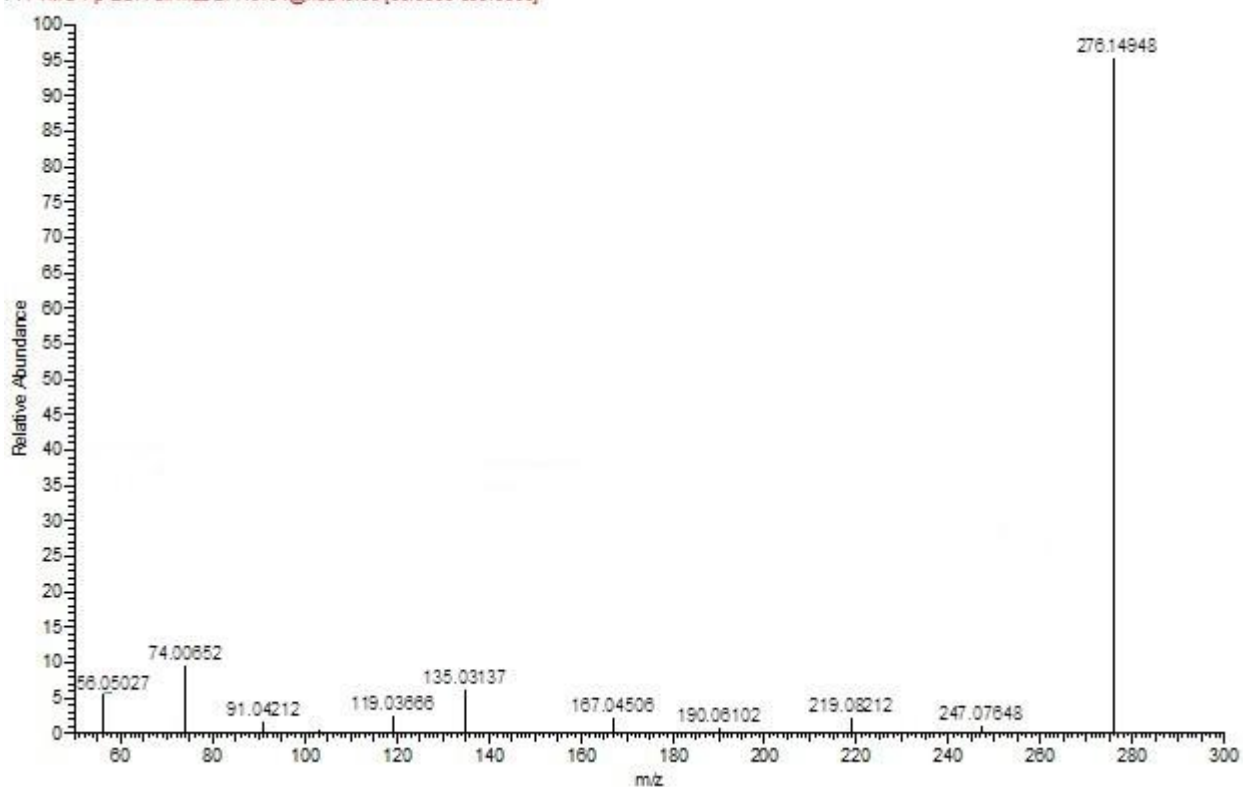
Mass-spectrum of compound 3h

PO-51 10000-PRM-CE-25 #1817 RT: 3.79 AV: 1 NL: 1.62E8
F: FTMS + p ESI Full ms2 277.0754@hod25.00 [50.0000-300.0000]



Mass-spectrum of compound 3i

PO-5010000-PRM-CE-45#1815 RT: 3.80 AV: 1 NL: 1.60E8
F: FTM S + p ESI Full ms2 277.0754@hod46.00 [50.0000-300.0000]



Mass-spectrum of compound 3j

PO-8 10000-PRM-CE-25#1975 RT: 4.16 AV: 1 NL: 3.74E8
F: FTM S + p ESI Full ms2 307.1190@hod25.00 [50.0000-330.0000]

