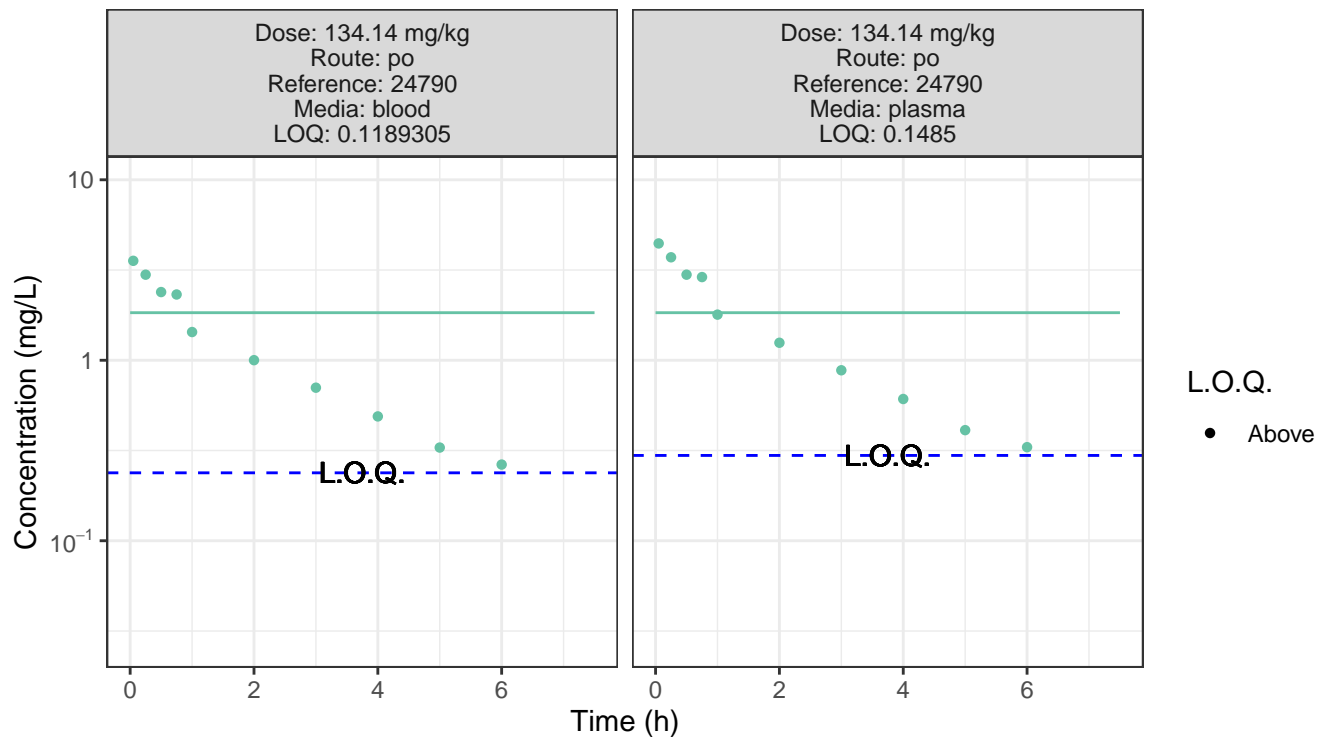
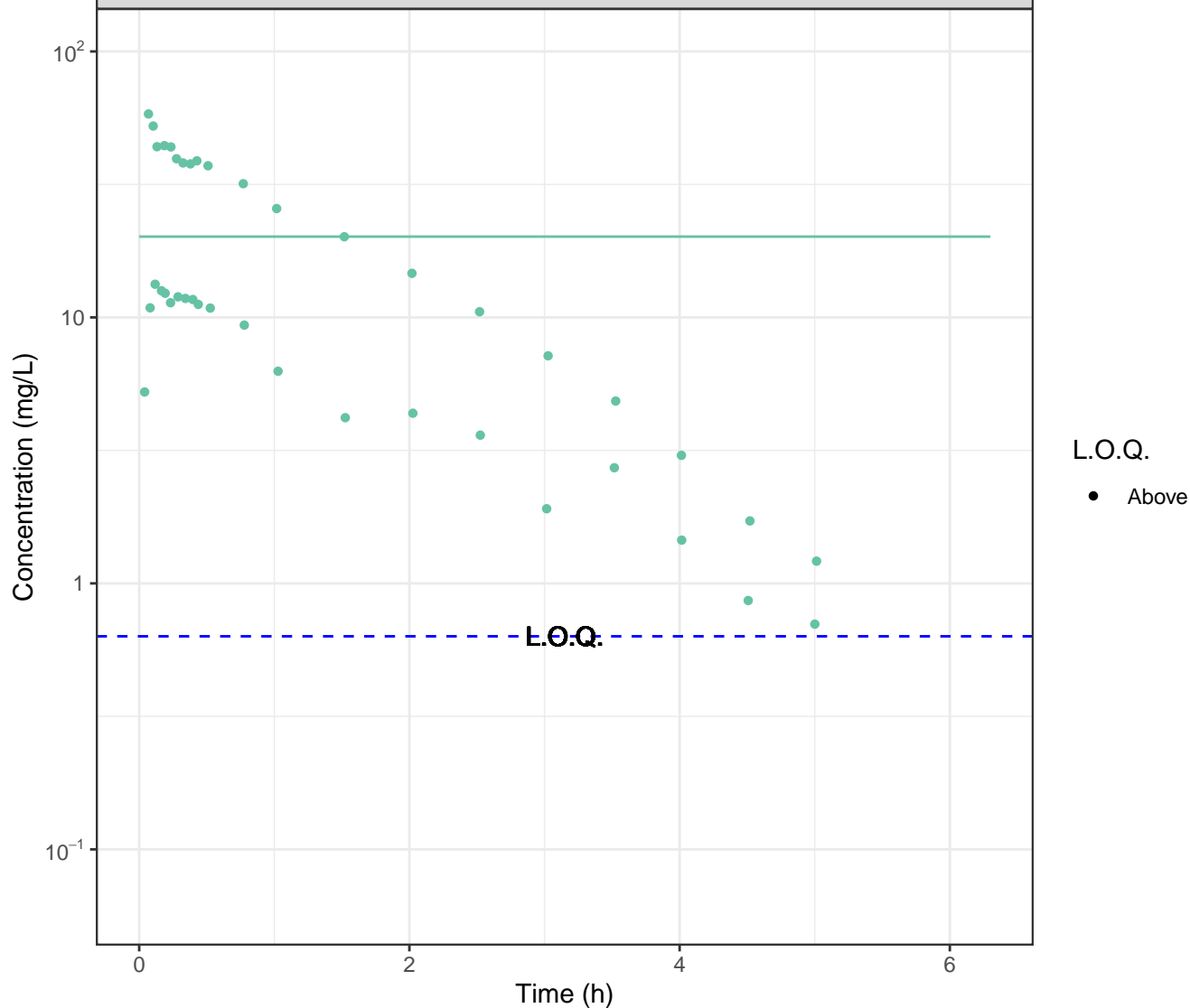


## 1,2,4-trimethylbenzene (flat)

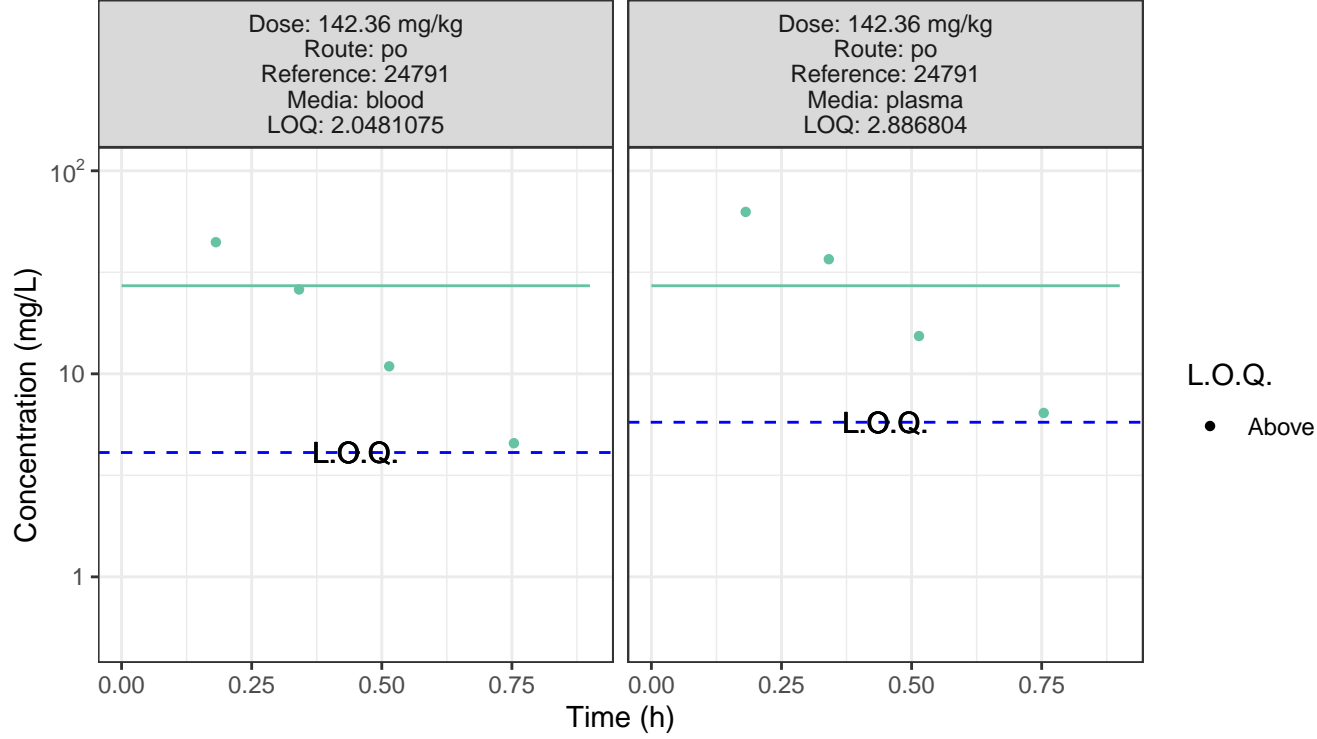


# 1,2-dichloroethane (flat)

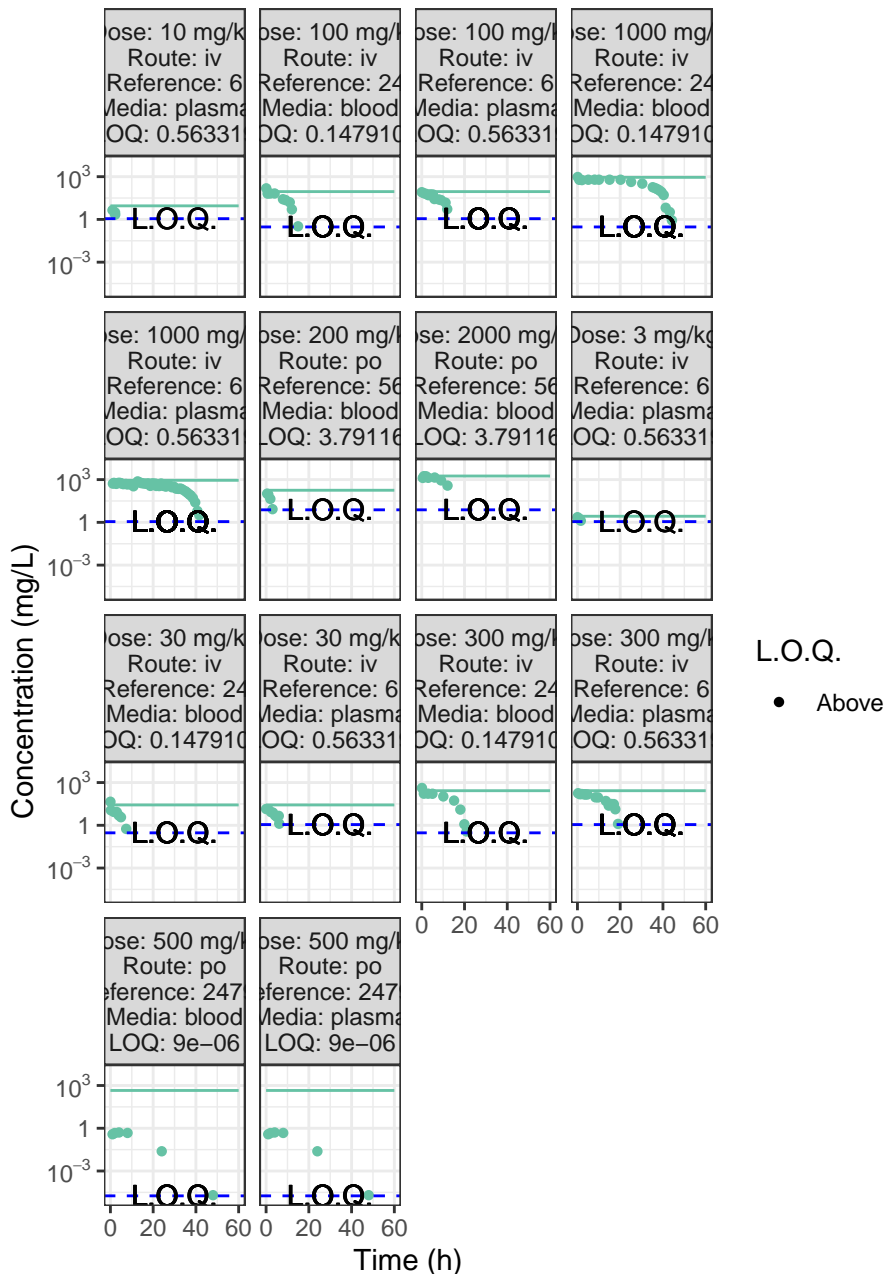
Dose: 100 mg/kg  
Route: po  
Reference: 18  
Media: blood  
LOQ: 0.316215



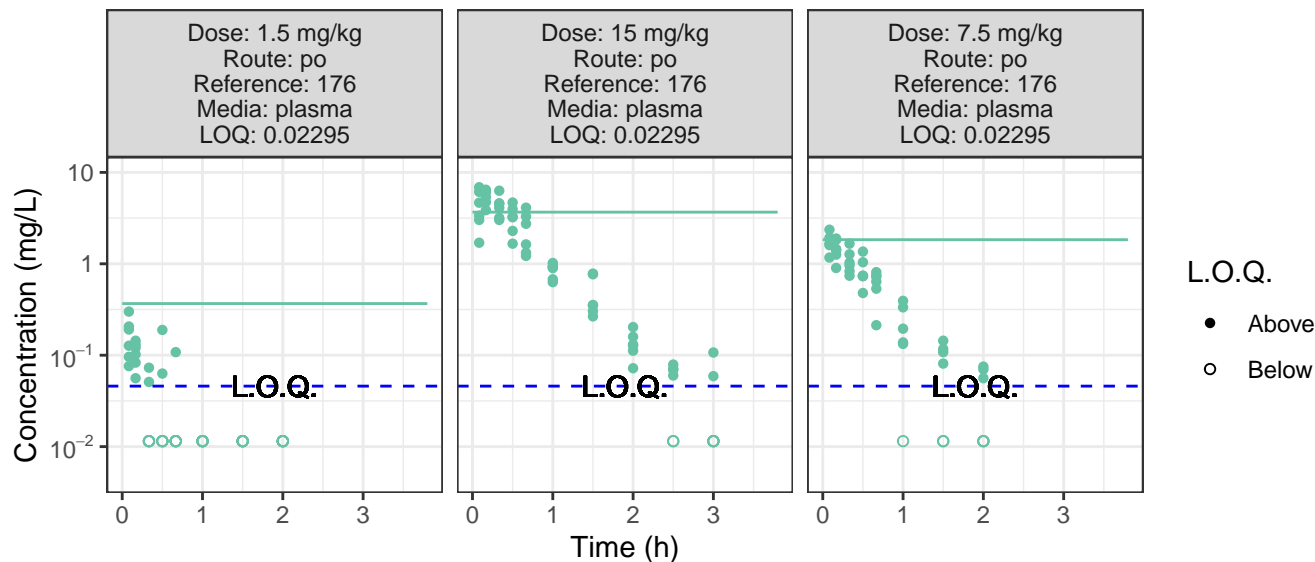
1,4-butanediol (flat)



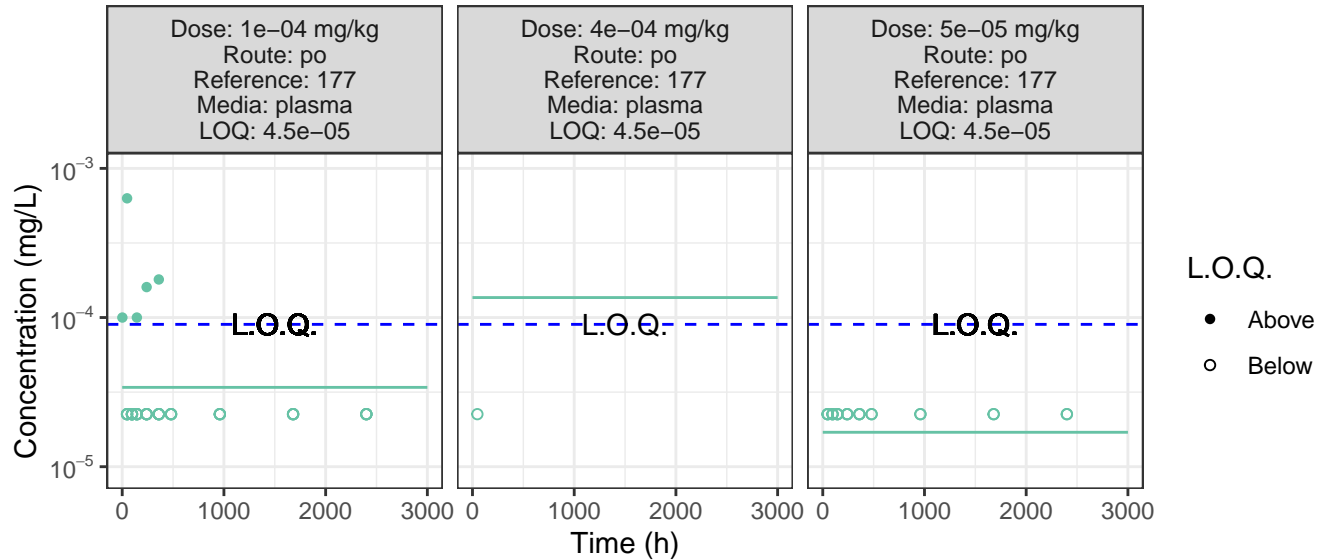
# 1,4-dioxane (flat)



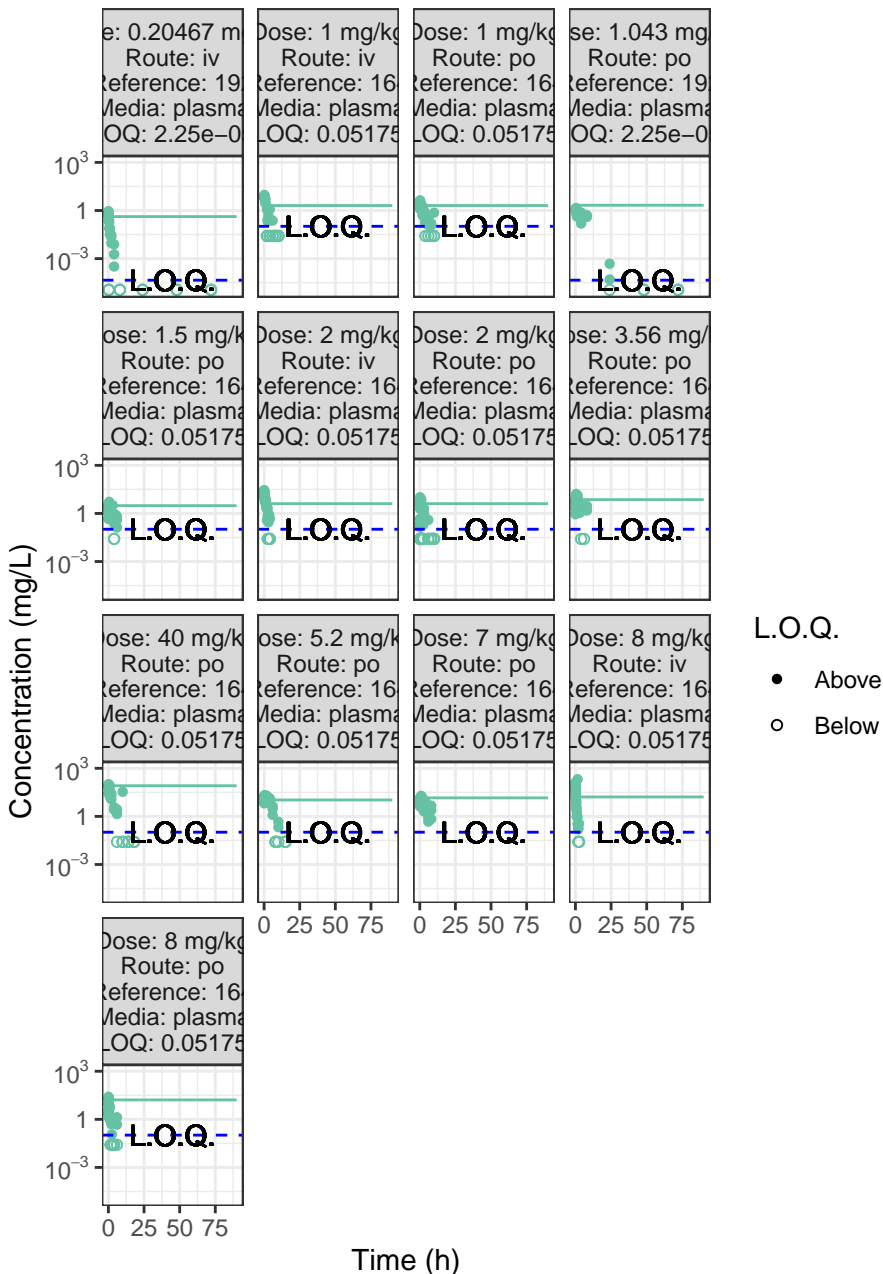
# 1-chloro-2-propanol (flat)



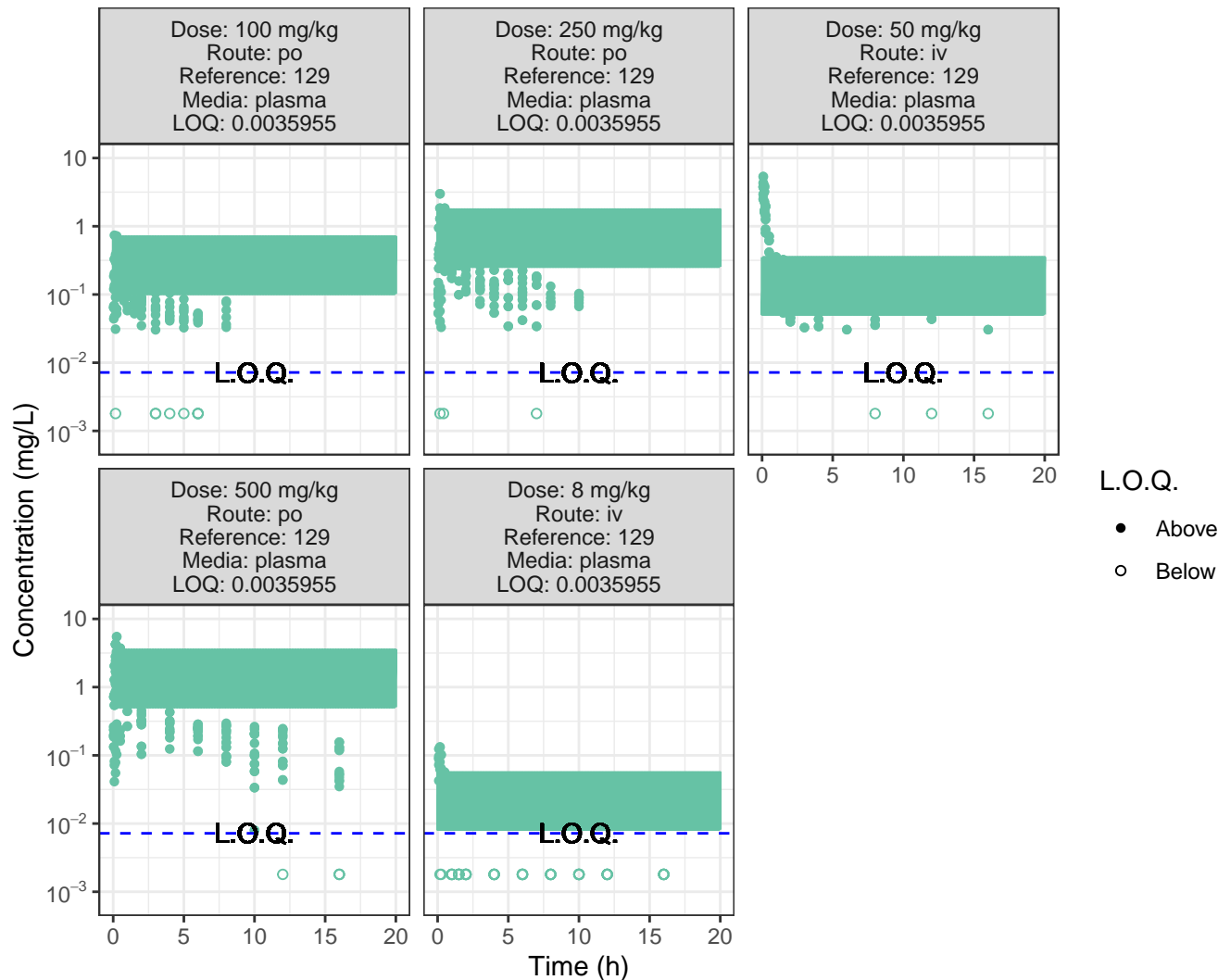
2,3,7,8-tetrachlorodibenzo-p-dioxin (flat)



# 2,4-dichlorophenoxyacetic acid (flat)

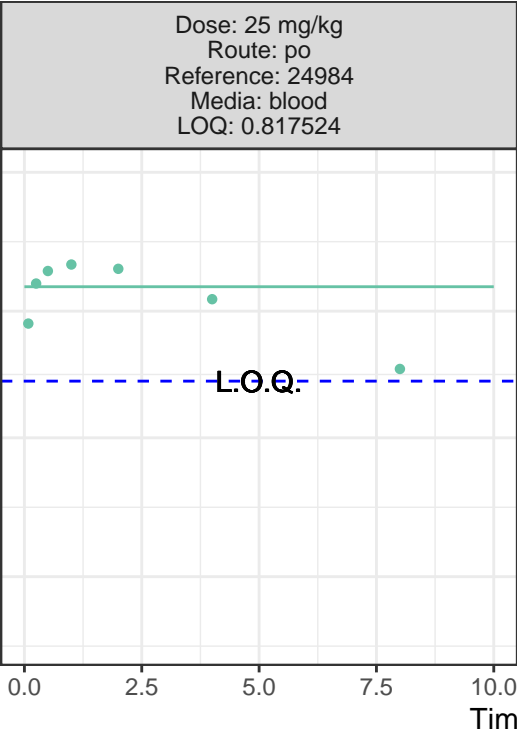


## 2,4-dihydroxybenzophenone (flat)



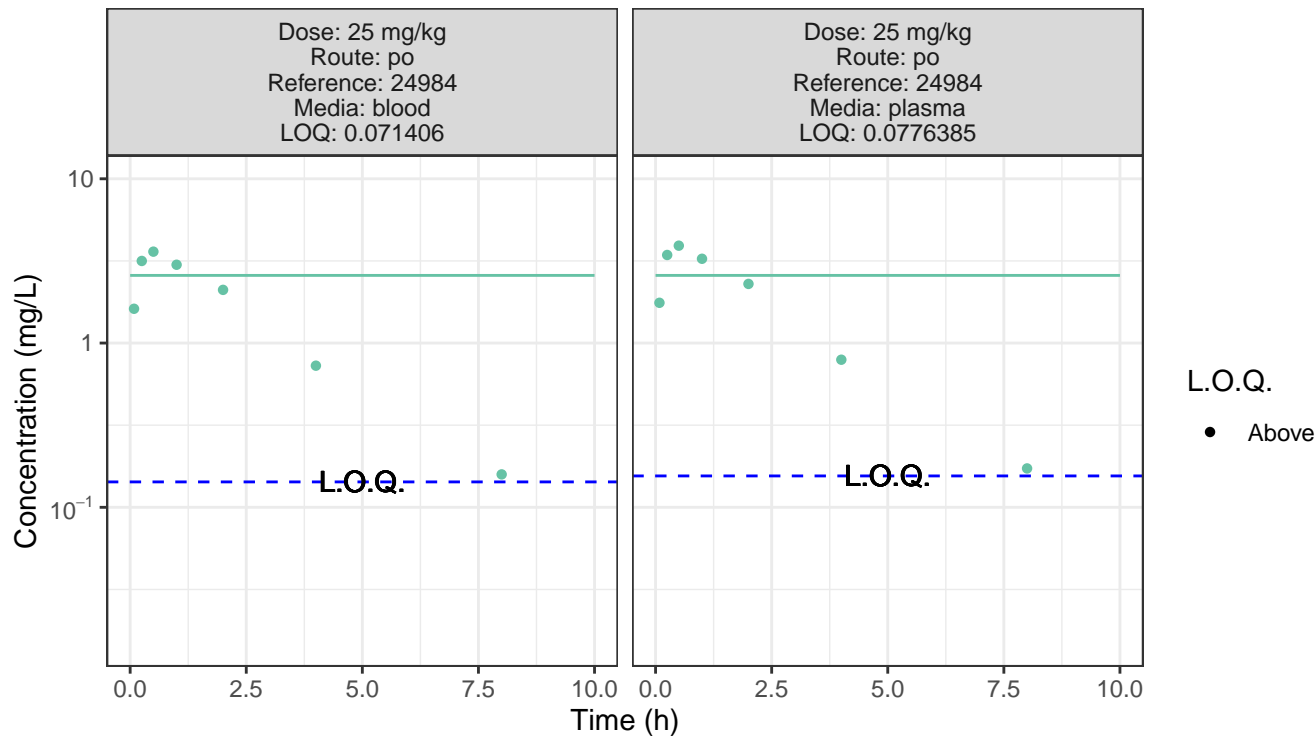


2,5–dimethylaniline (flat)

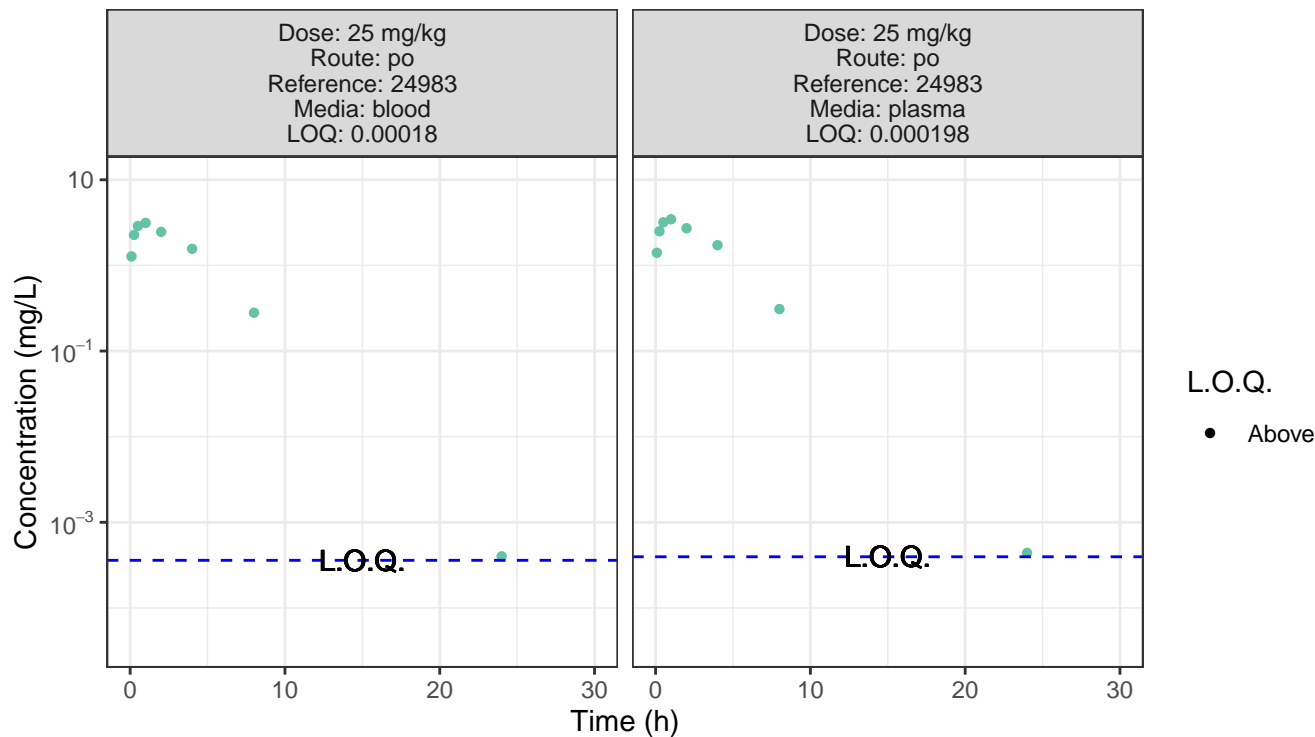


L.O.Q.  
• Above

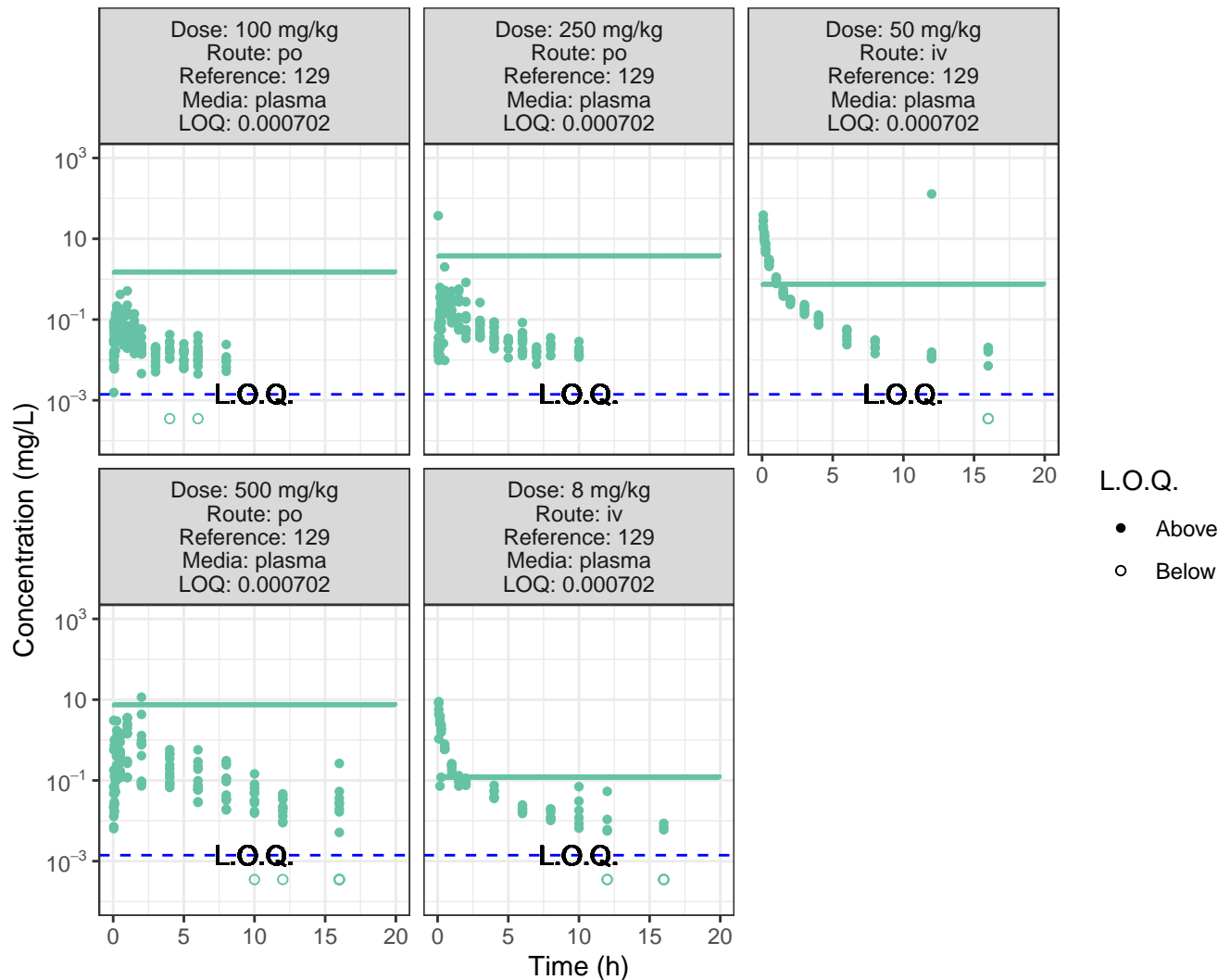
## 2,6-dimethylaniline (flat)



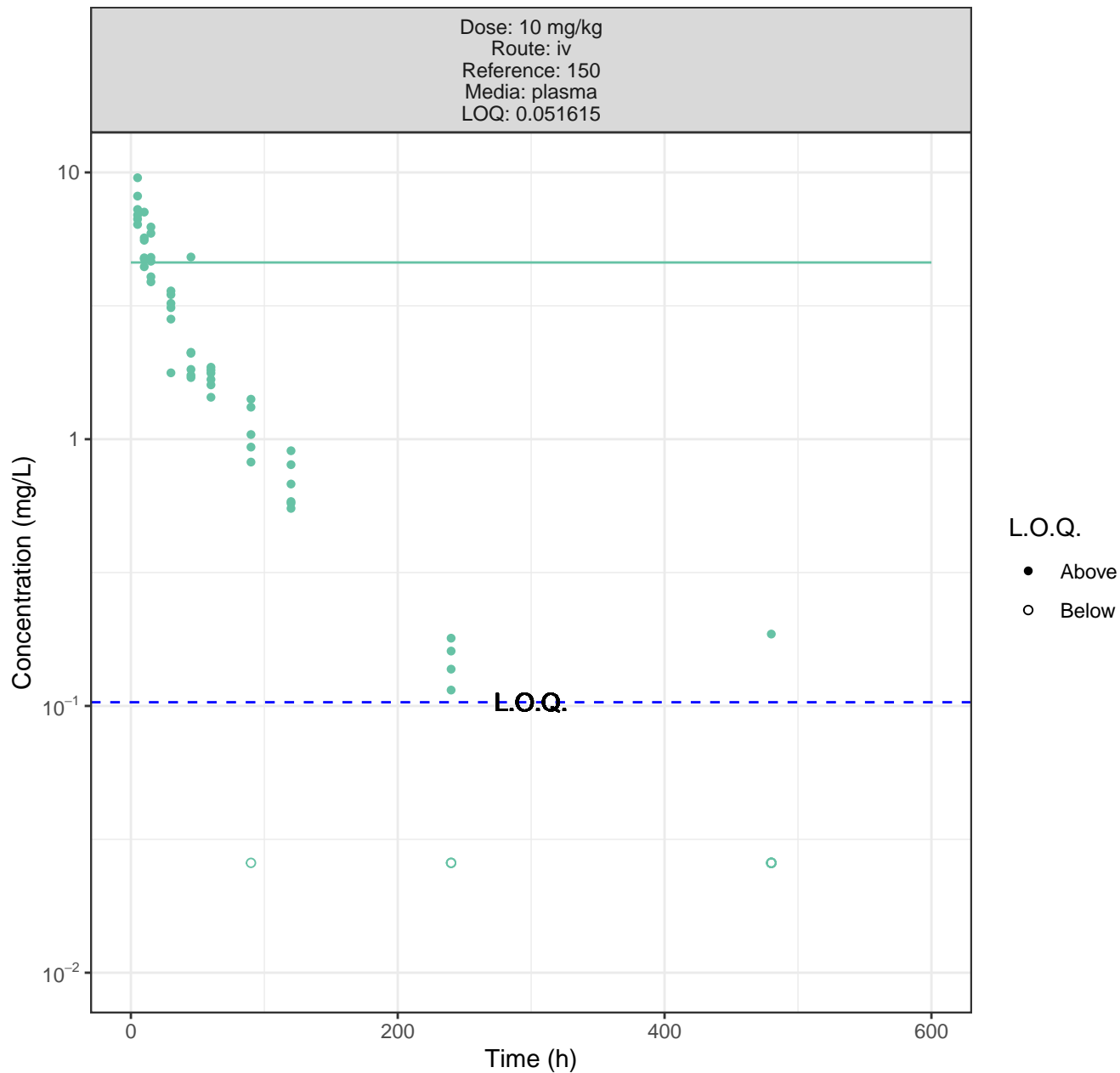
## 2-(1h-imidazol-2-yl)pyridine (flat)



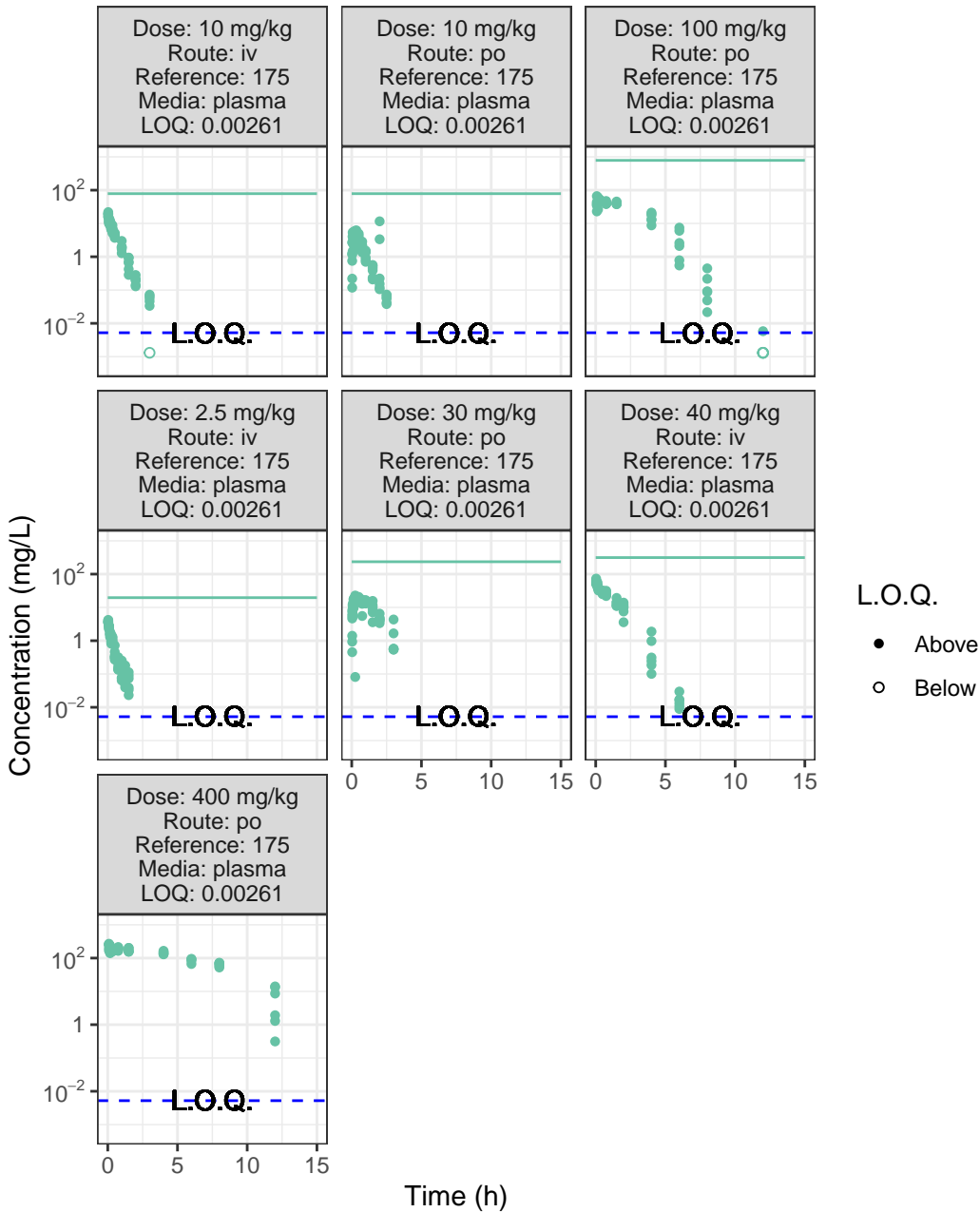
## 2-hydroxy-4-methoxybenzophenone (flat)



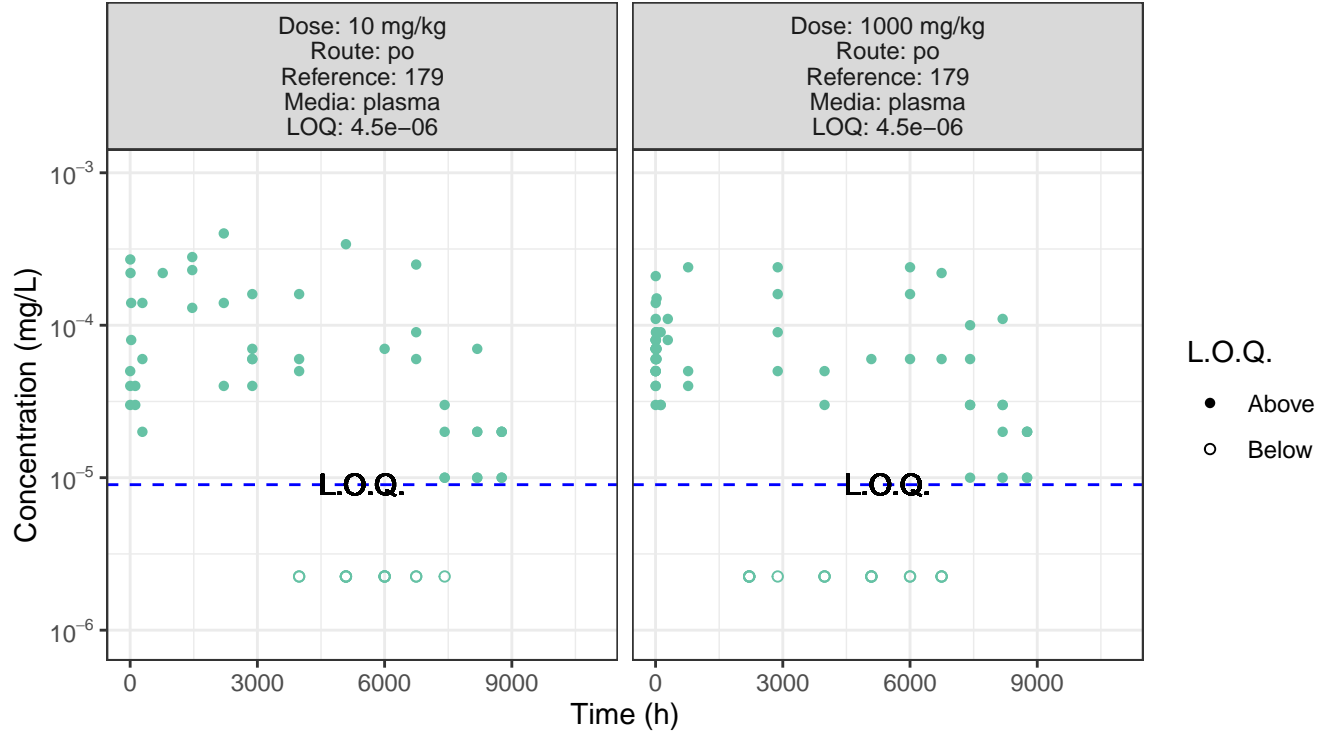
## 2-methylimidazole (flat)



2-methyltetrahydrofuran (flat)

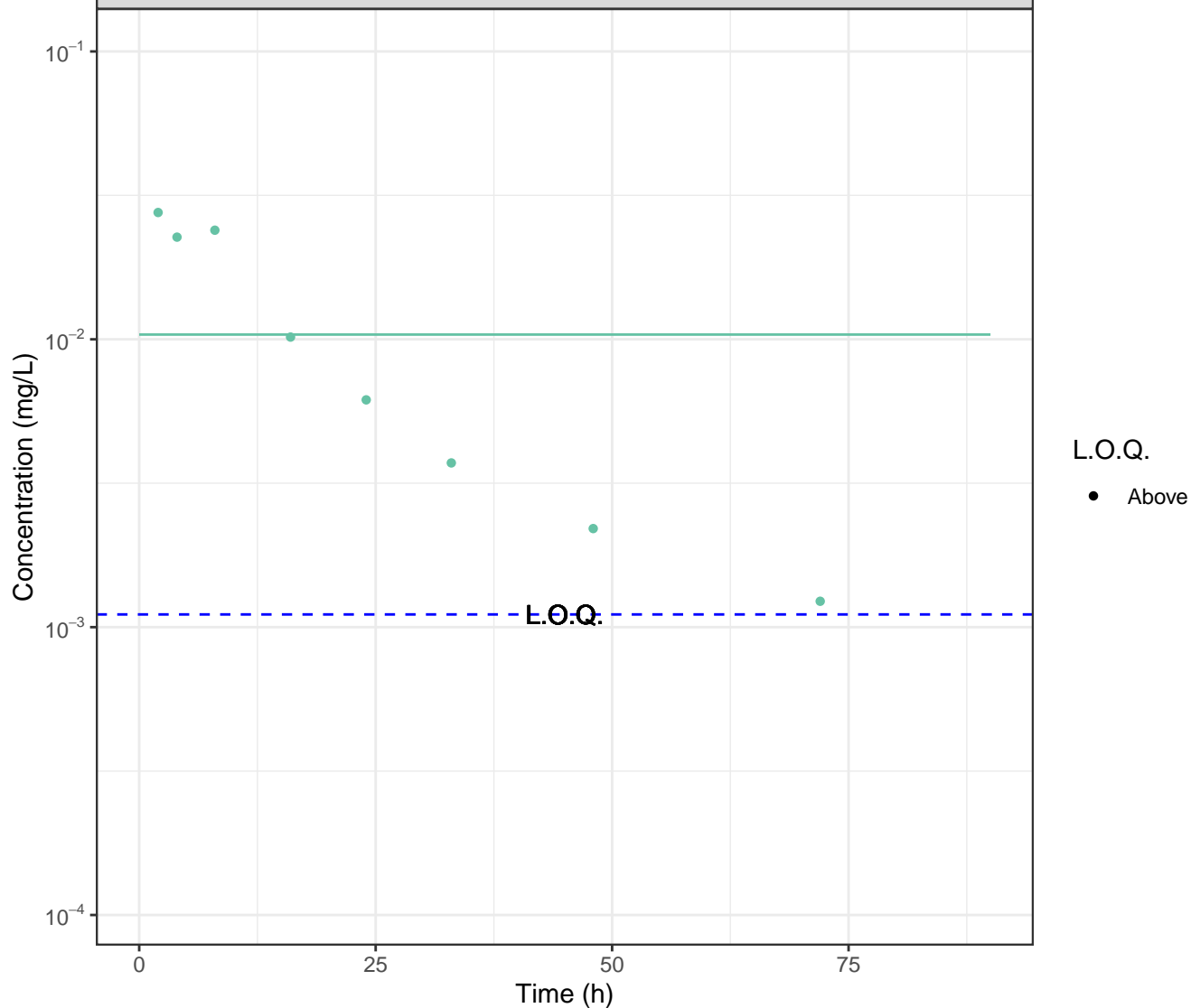


3,3',4,4',5-pentachlorobiphenyl (flat): Optimizer Failed, No Curve Fit



# 3-hydroxybenzo(a)pyrene (flat)

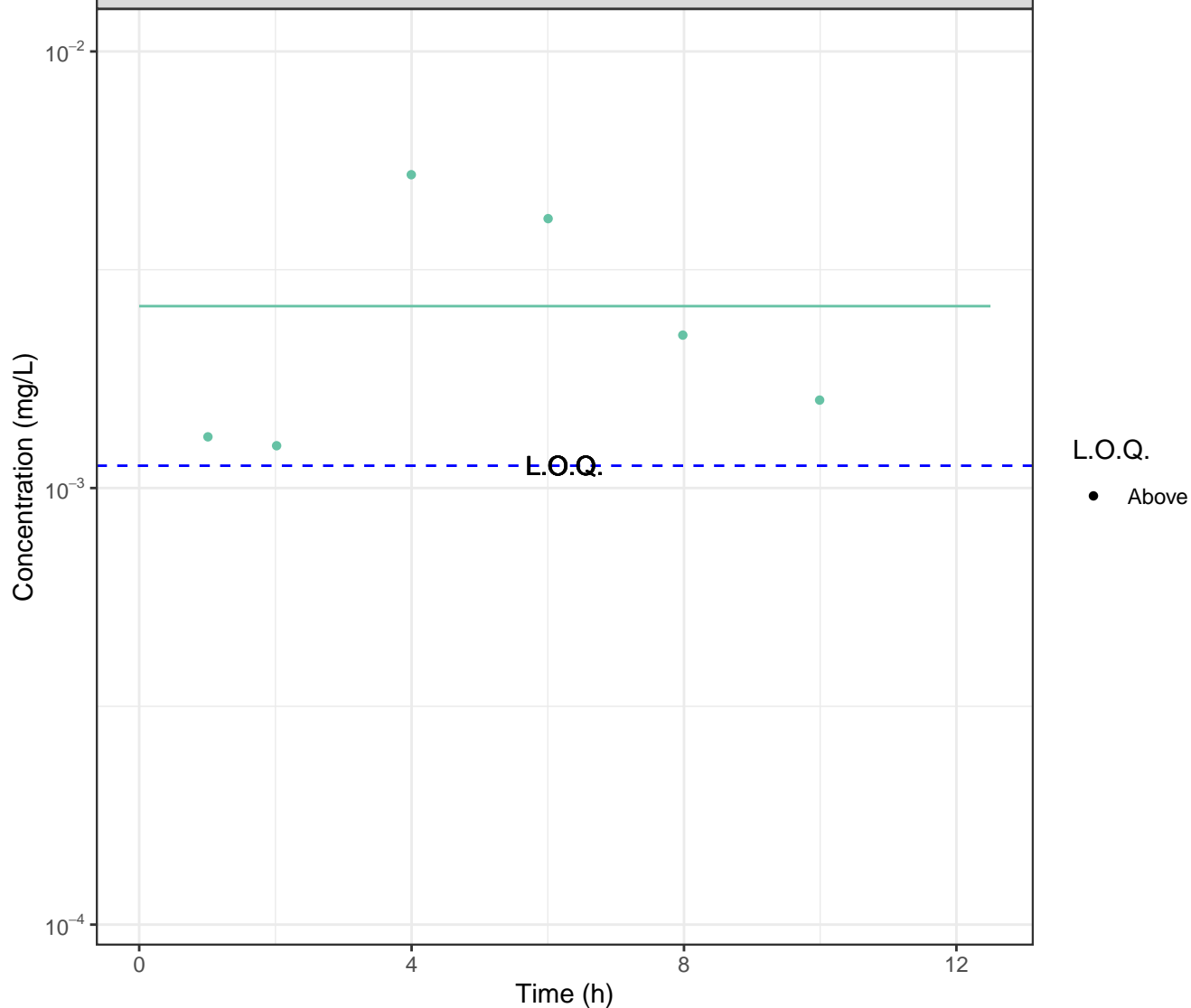
Dose: 10.0924 mg/kg  
Route: iv  
Reference: 59  
Media: blood  
LOQ: 0.0005535



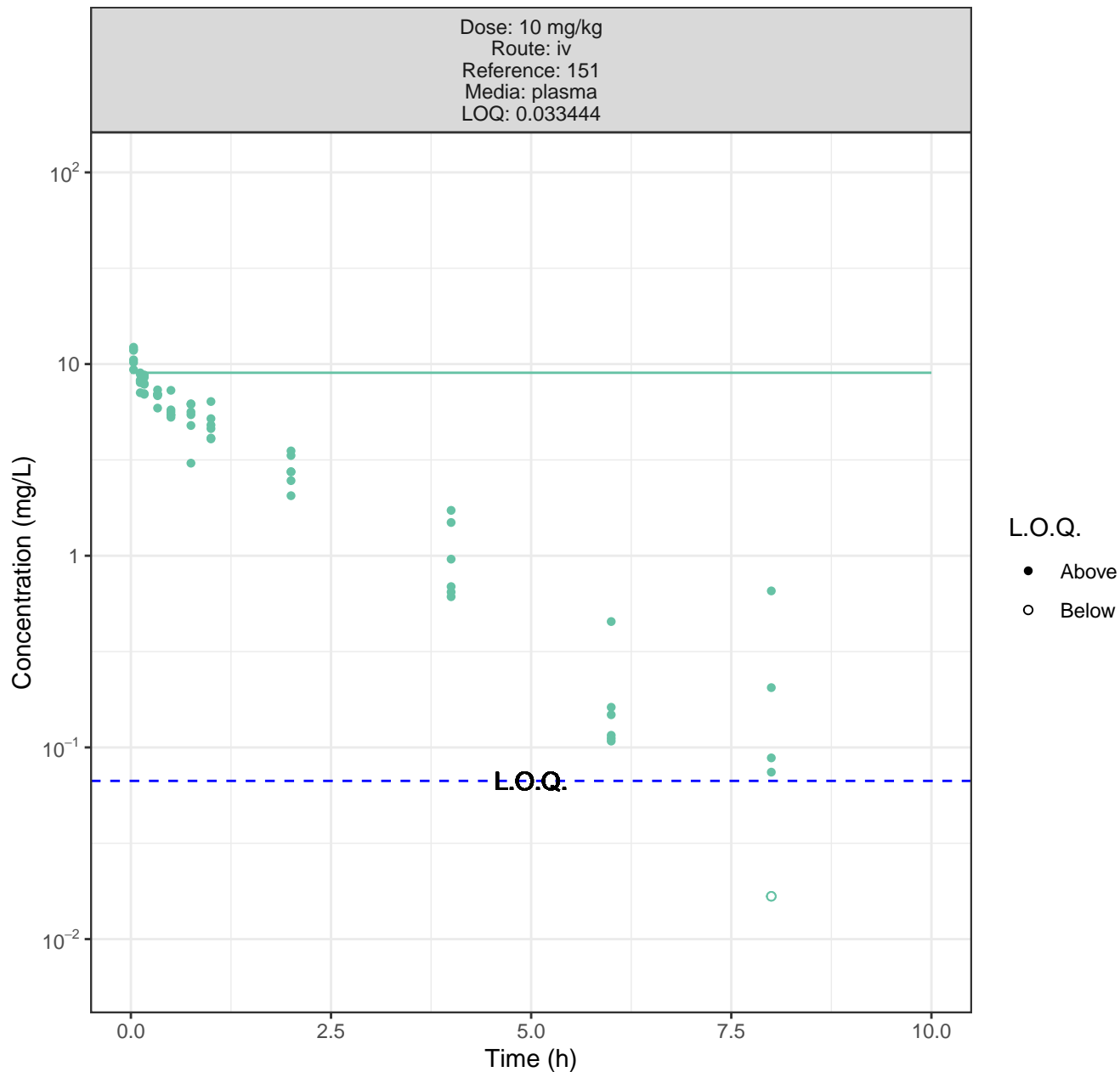


# 3-hydroxybenzo[a]pyrene (flat)

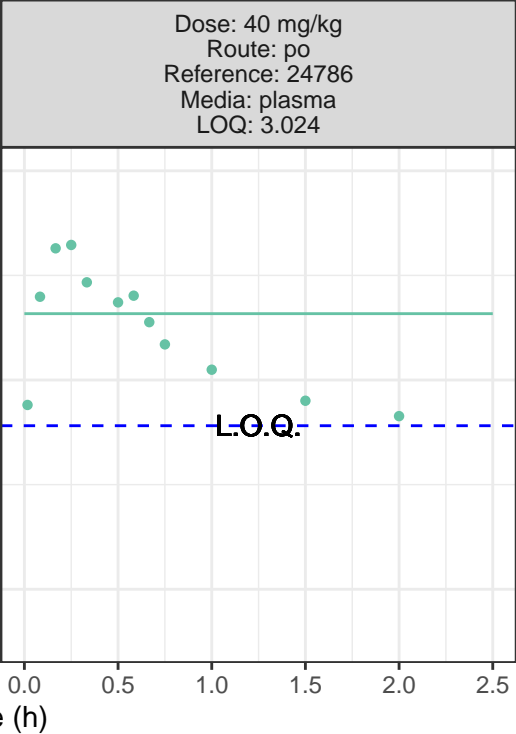
Dose: 20 mg/kg  
Route: po  
Reference: 54  
Media: plasma  
LOQ: 0.0005625



## 4-methylimidazole (flat)

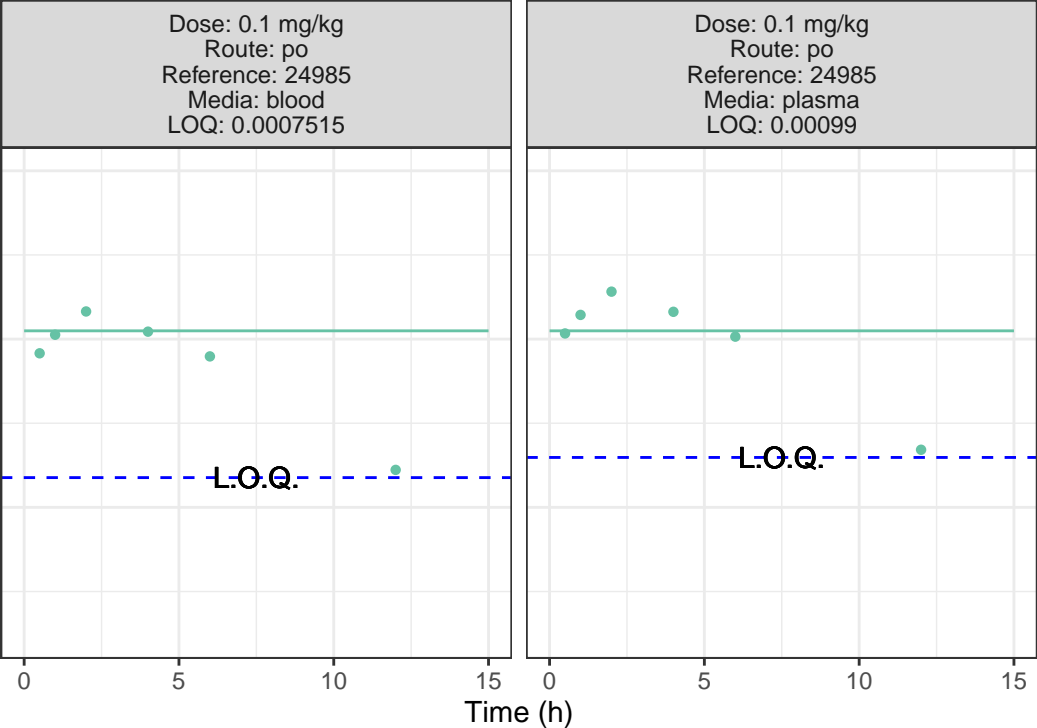


acetaminophen (flat)

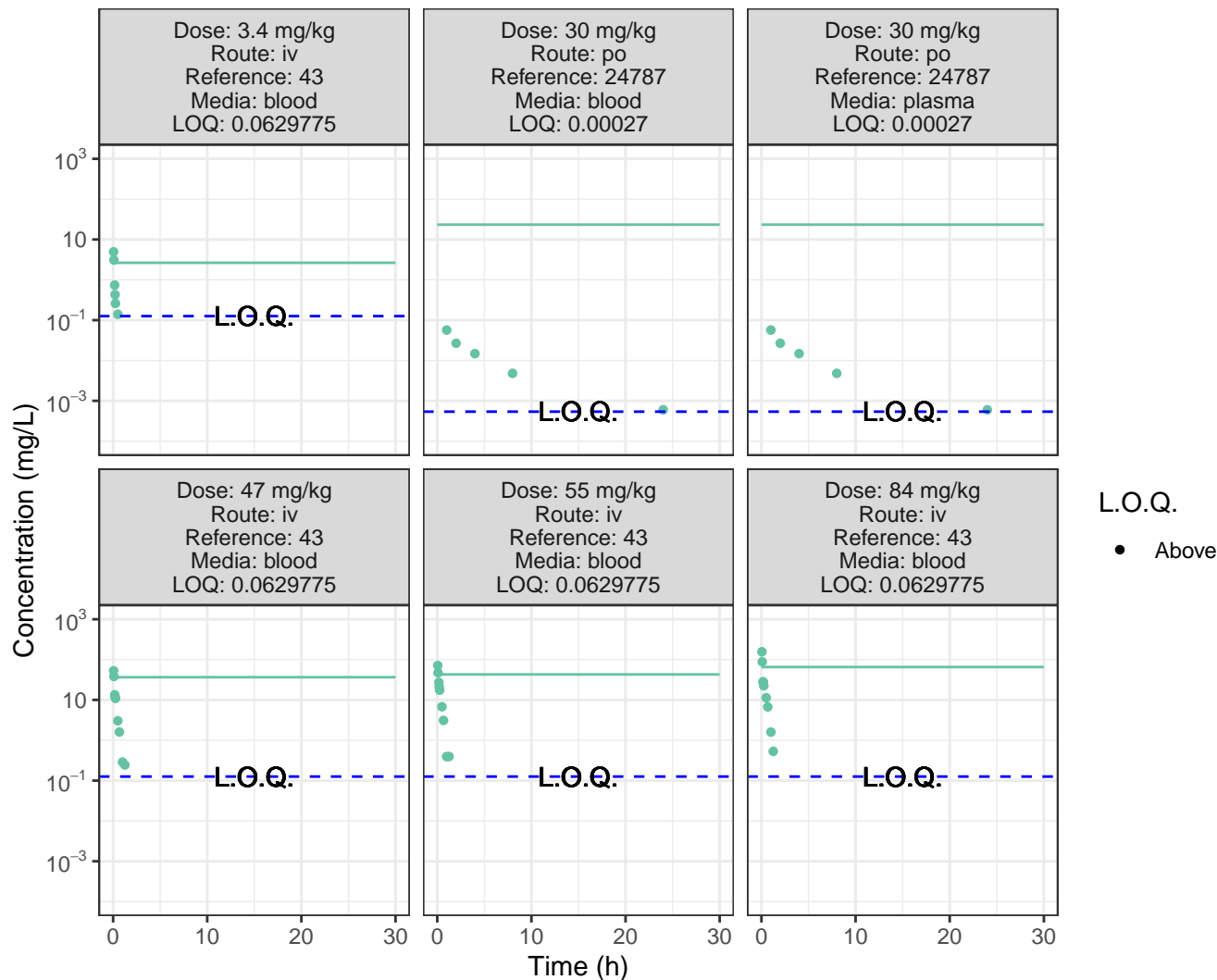


L.O.Q.  
• Above

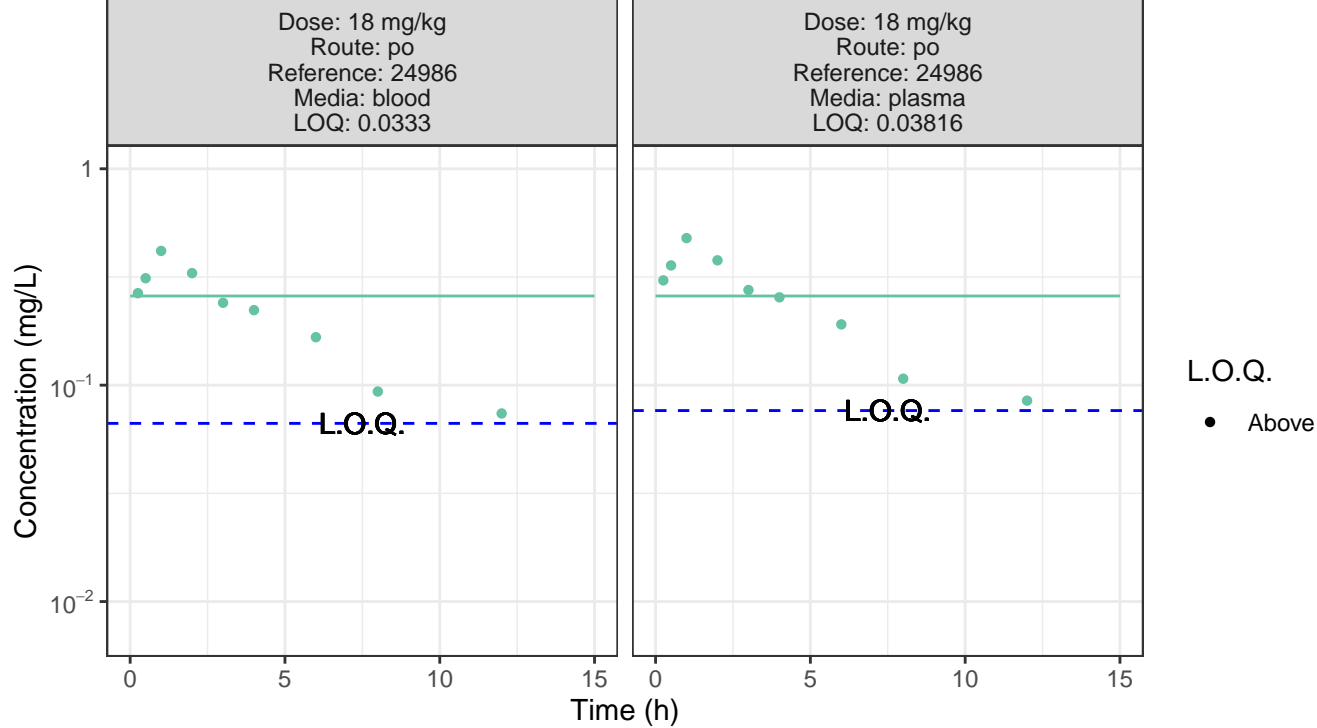
acrylamide (flat)



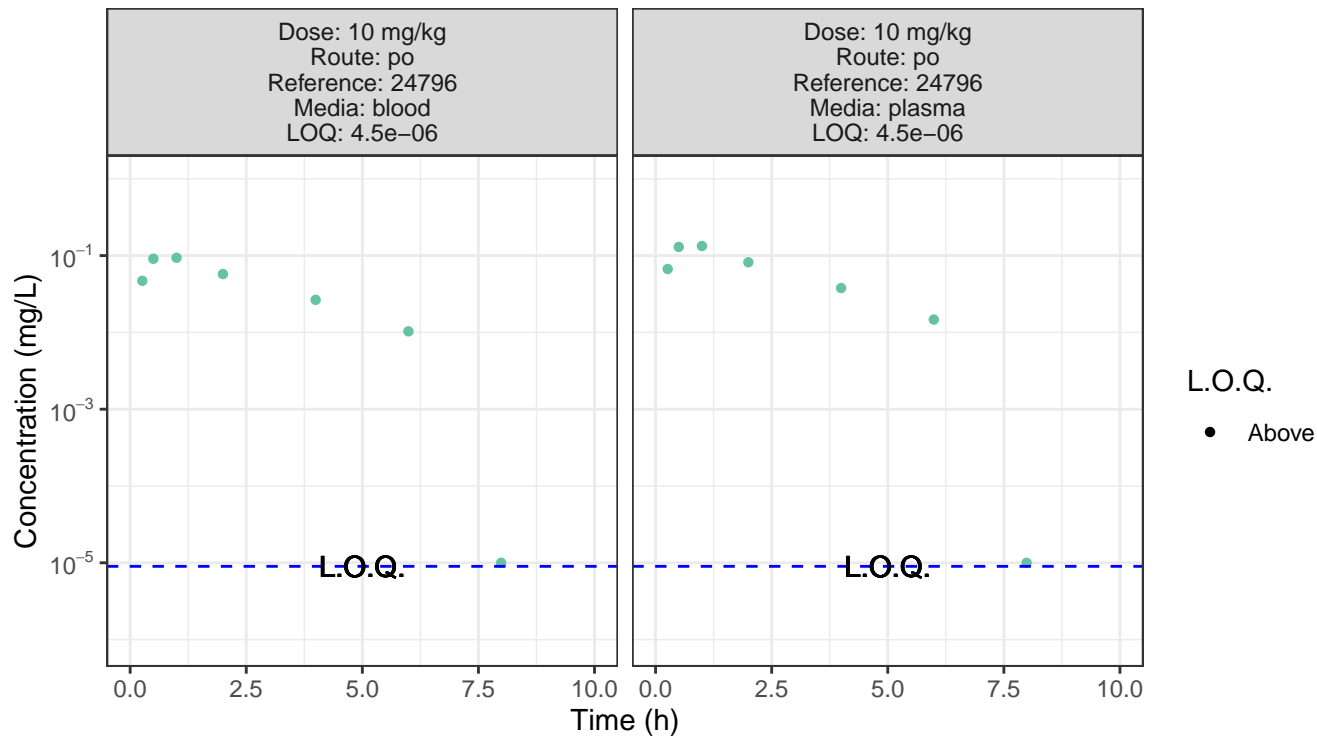
## acrylonitrile (flat)



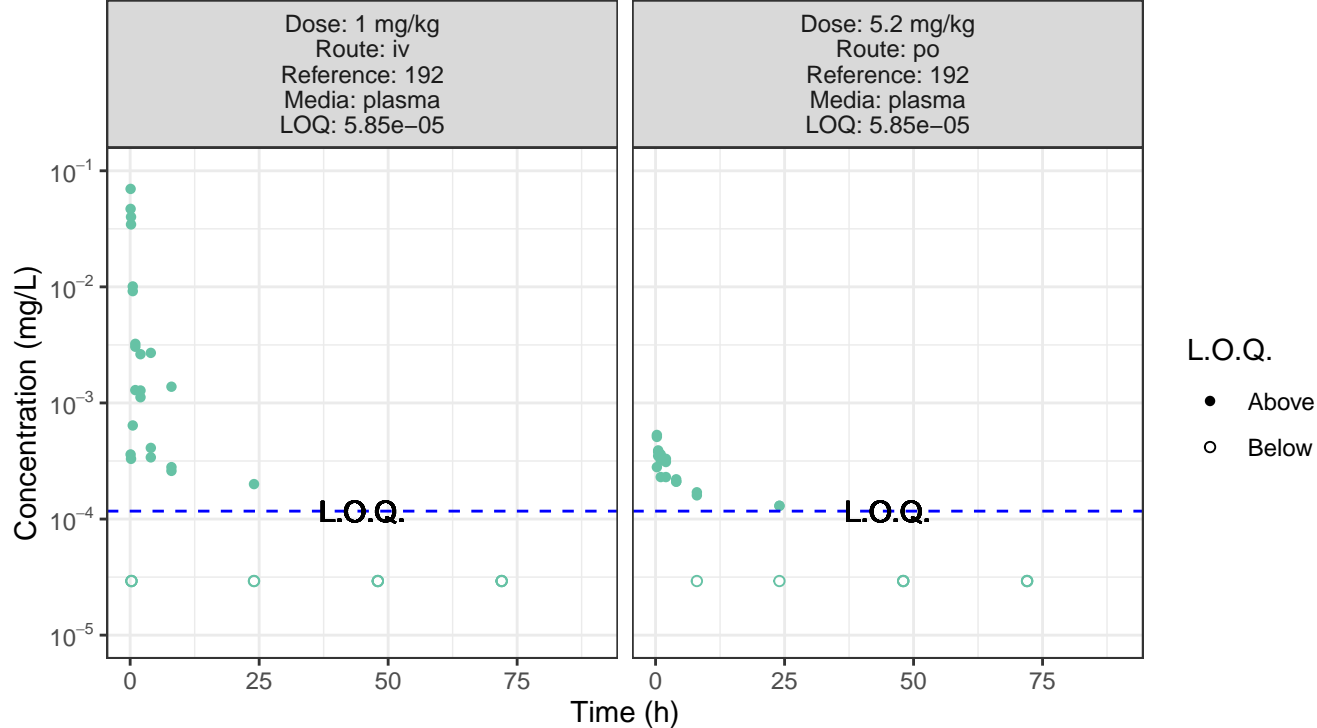
adefovir (flat)



# ag-041r (flat): Optimizer Failed, No Curve Fit

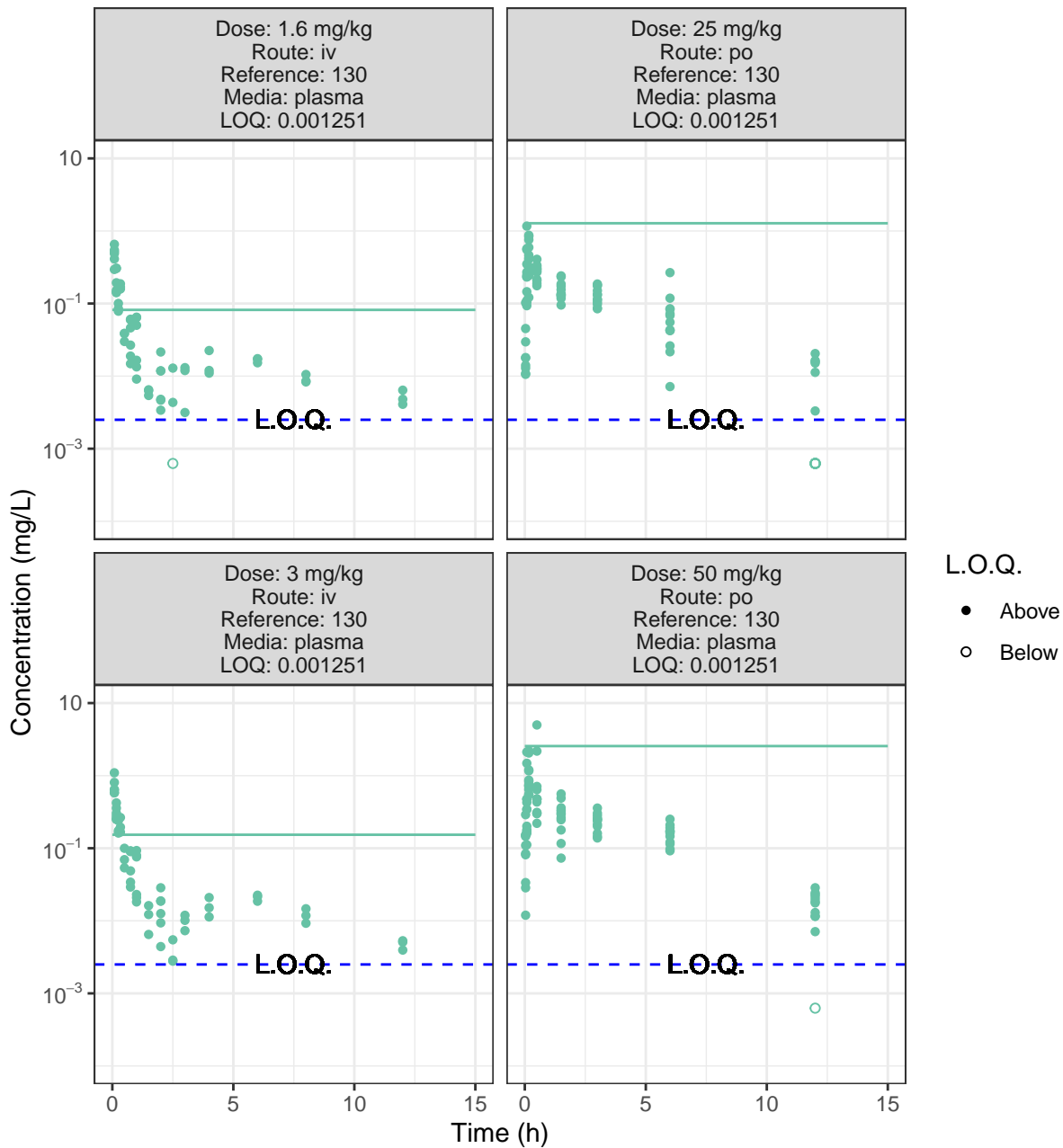


alachlor (flat): Optimizer Failed, No Curve Fit

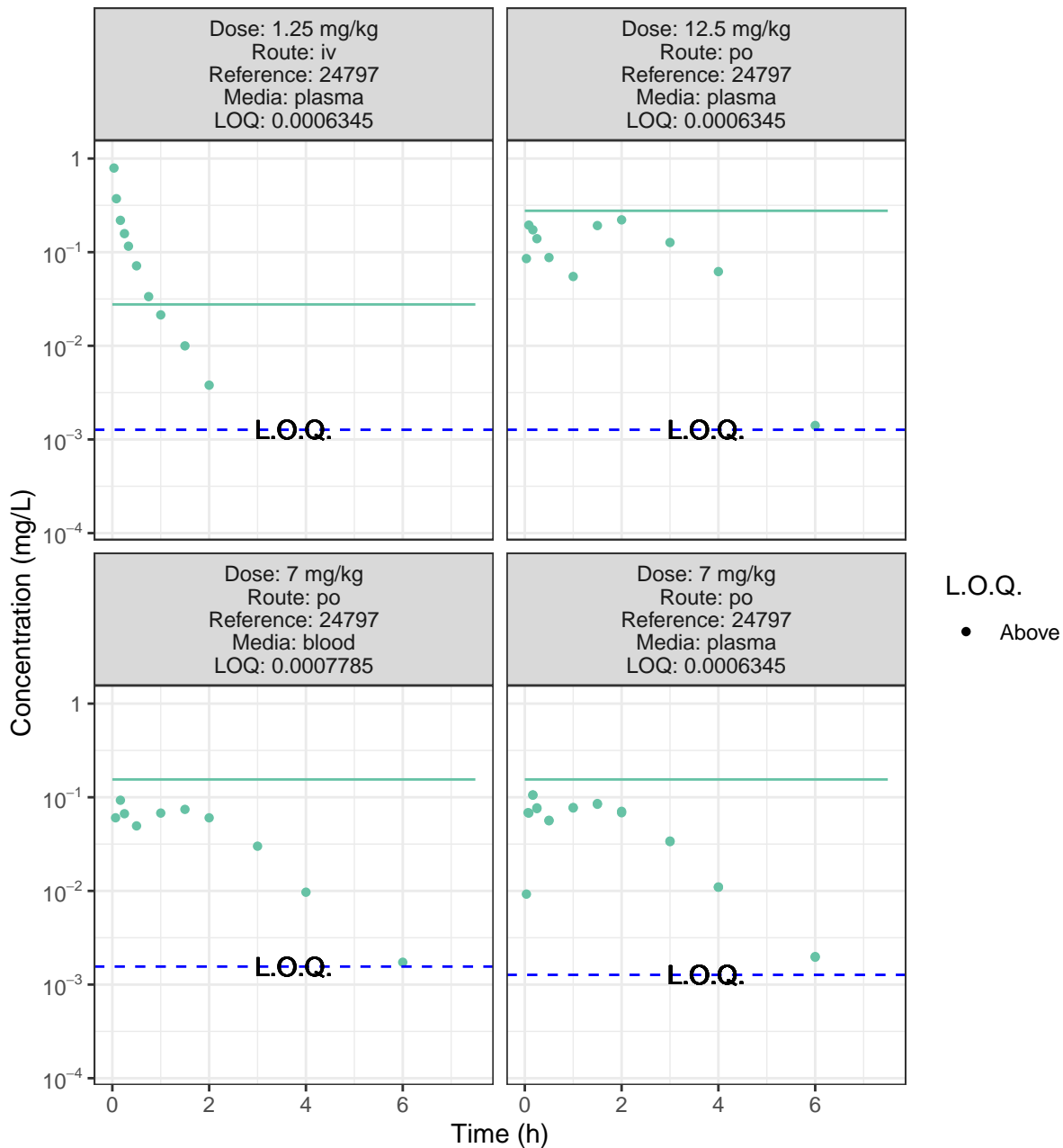




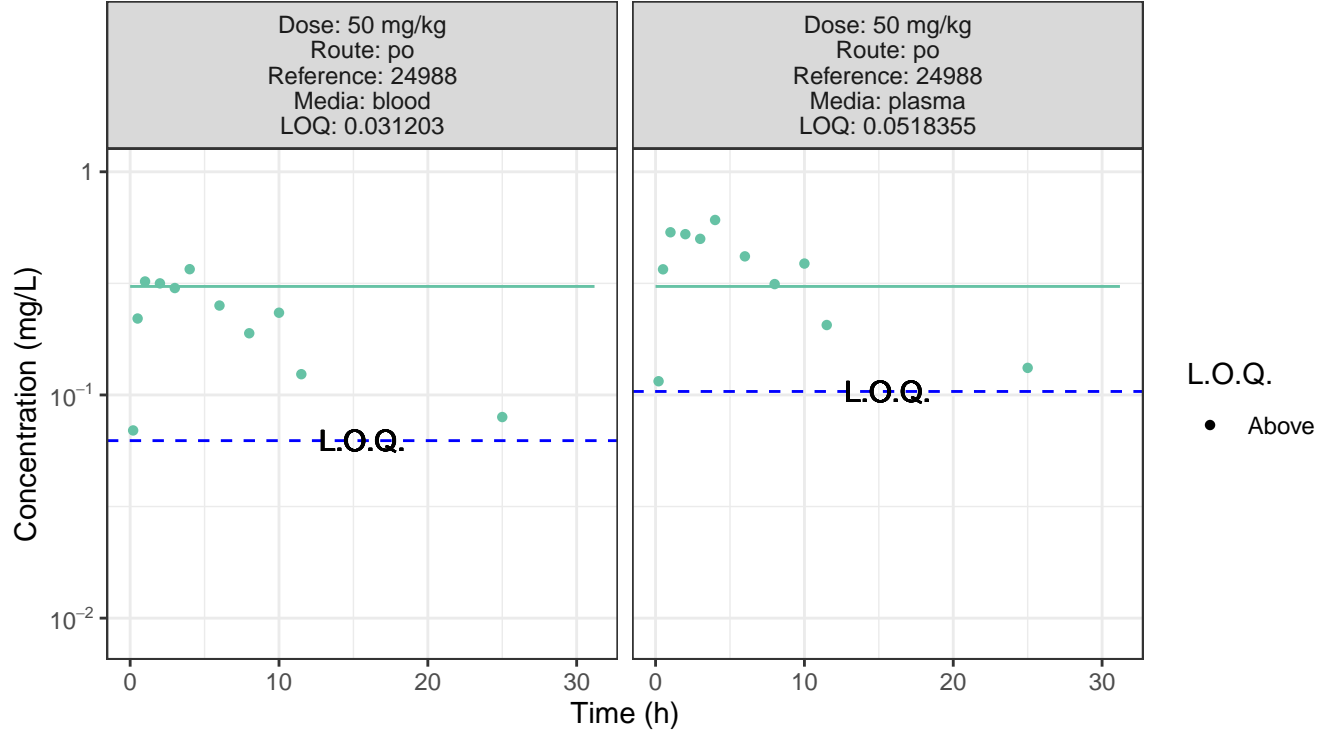
# alpha-thujone (flat)



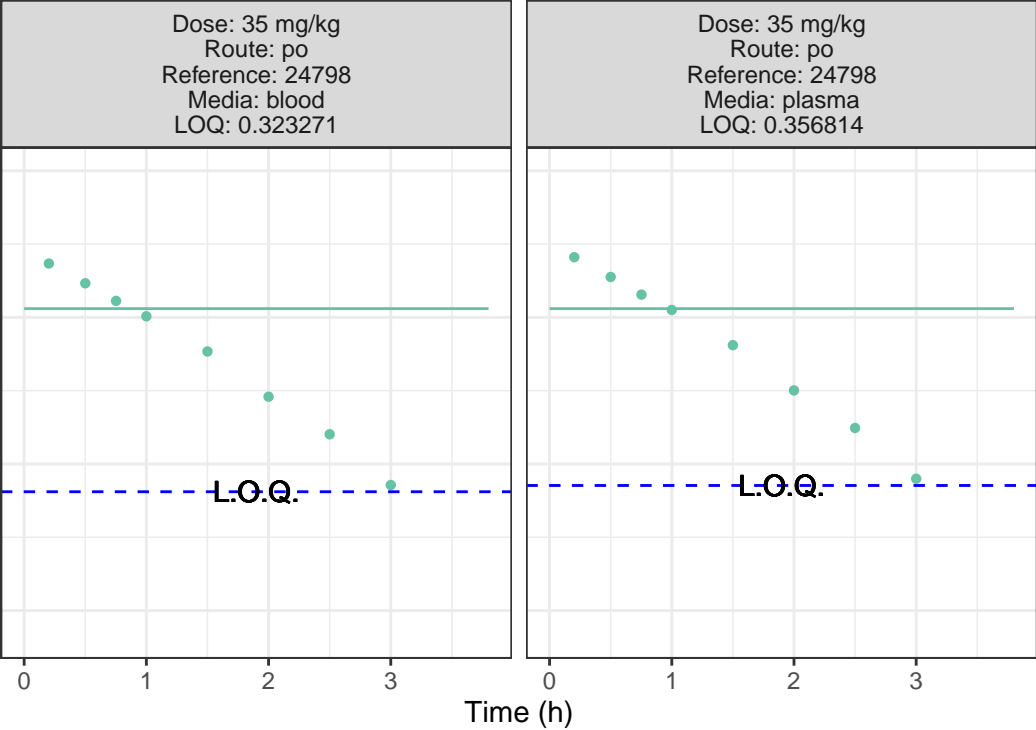
# alprazolam (flat)



amiodarone (flat)

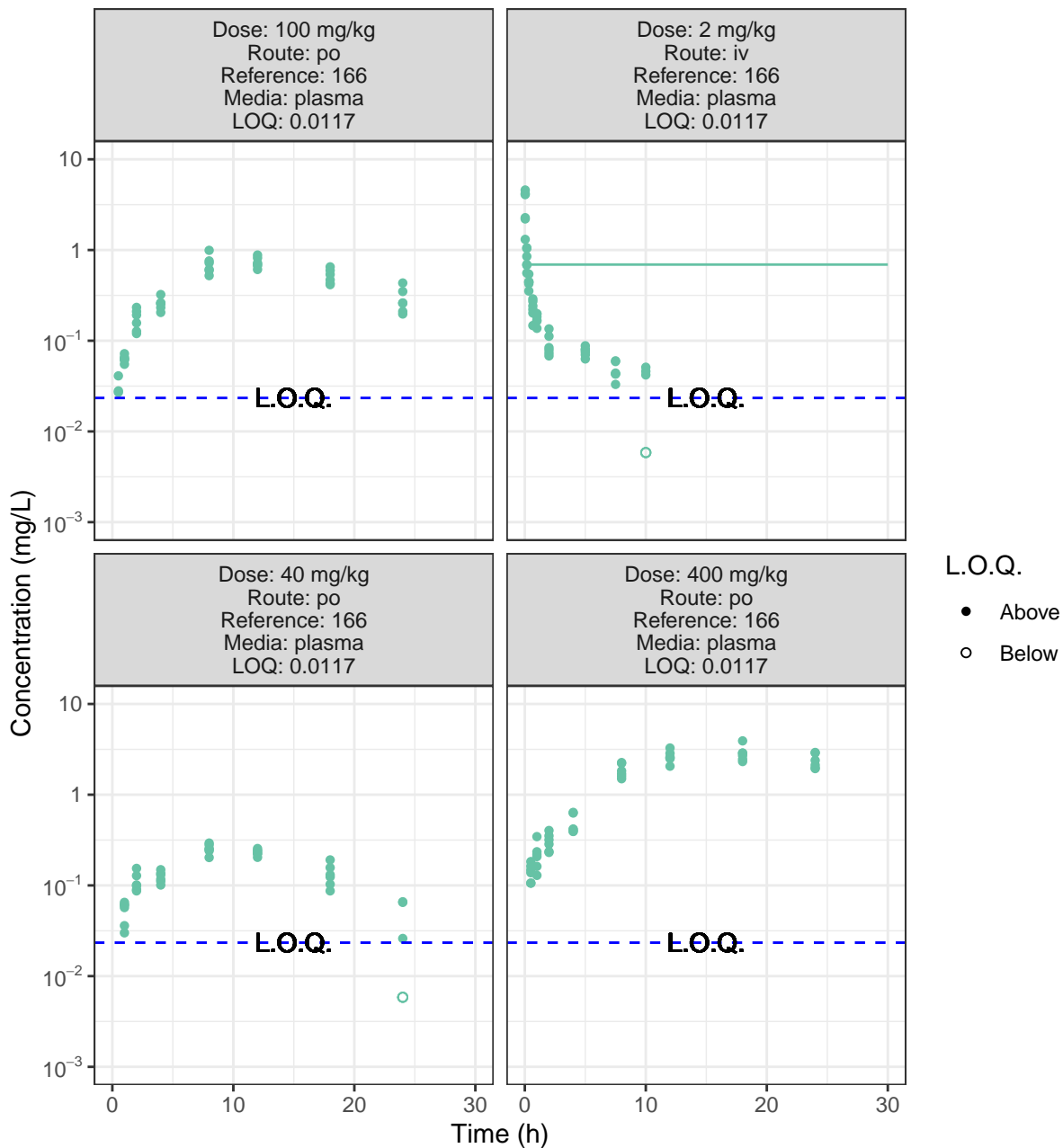


aniline (flat)

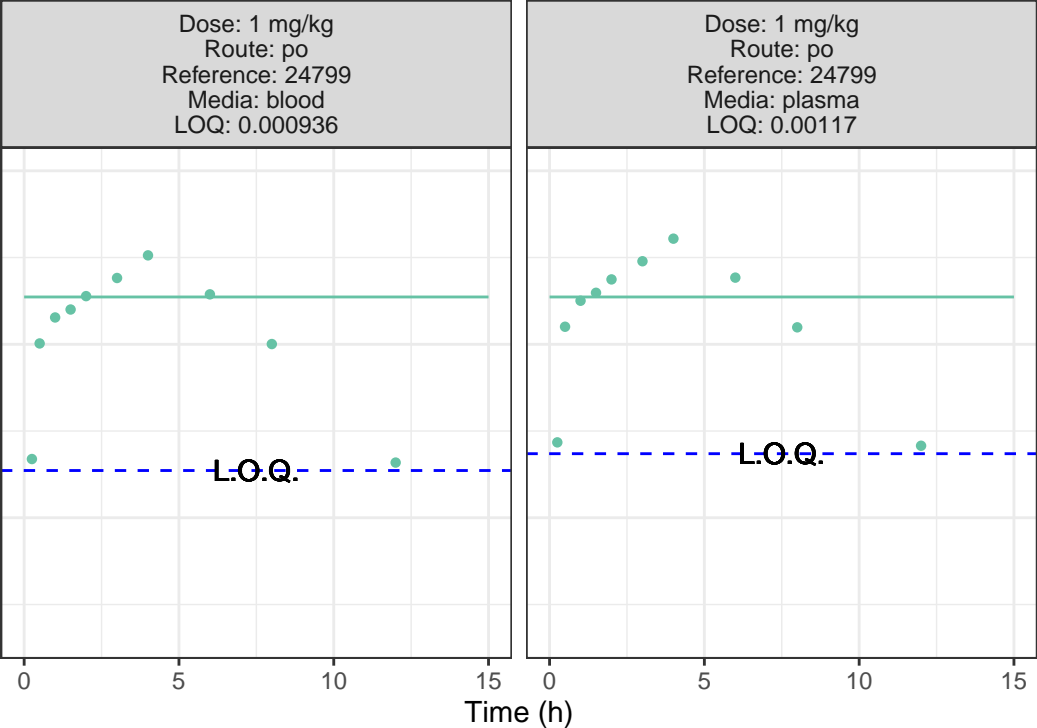


L.O.Q.  
• Above

# anthraquinone (flat)



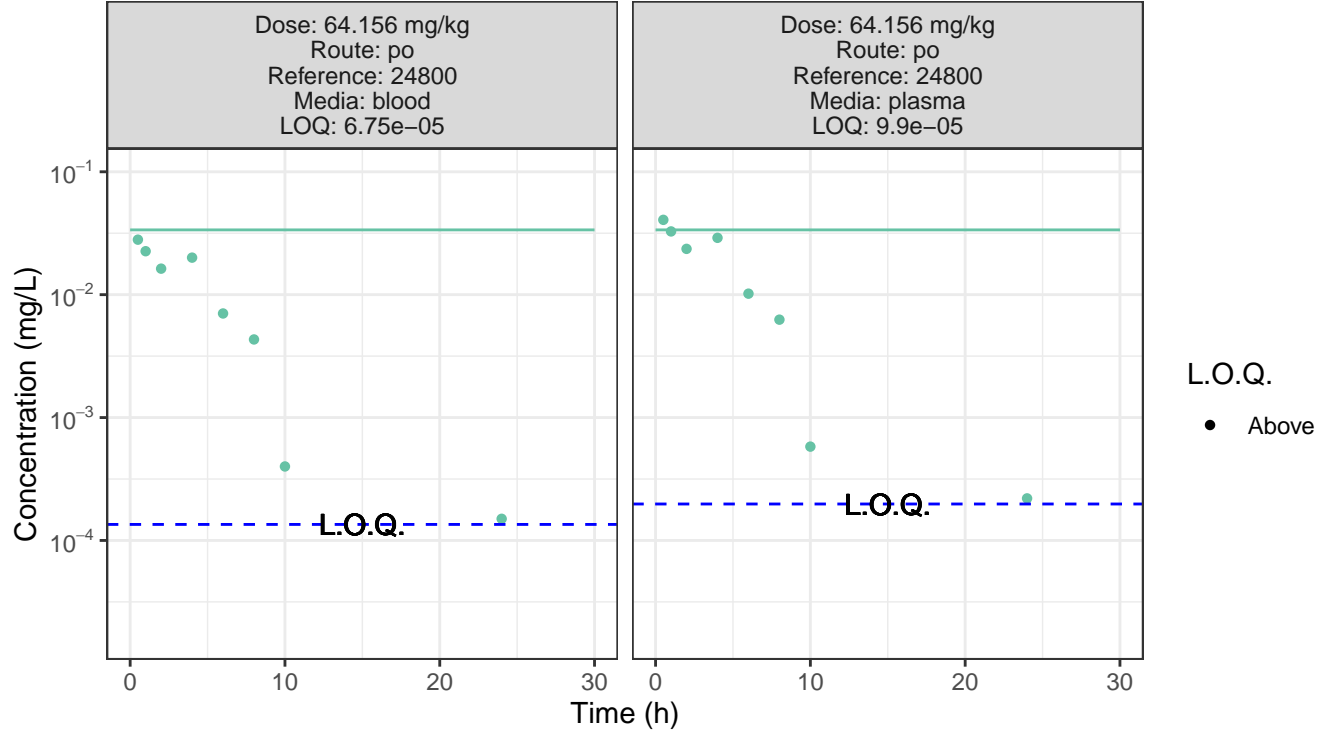
apixaban (flat)



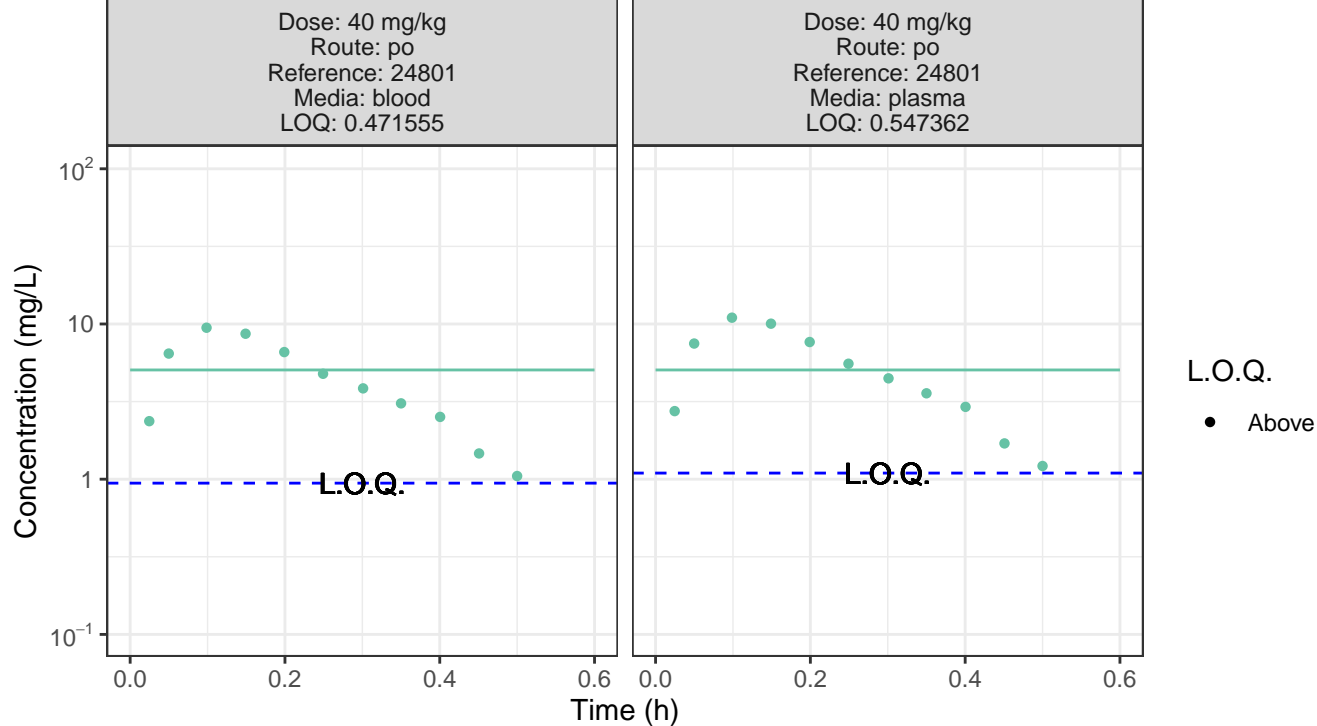
L.O.Q.

• Above

apomorphine (flat)

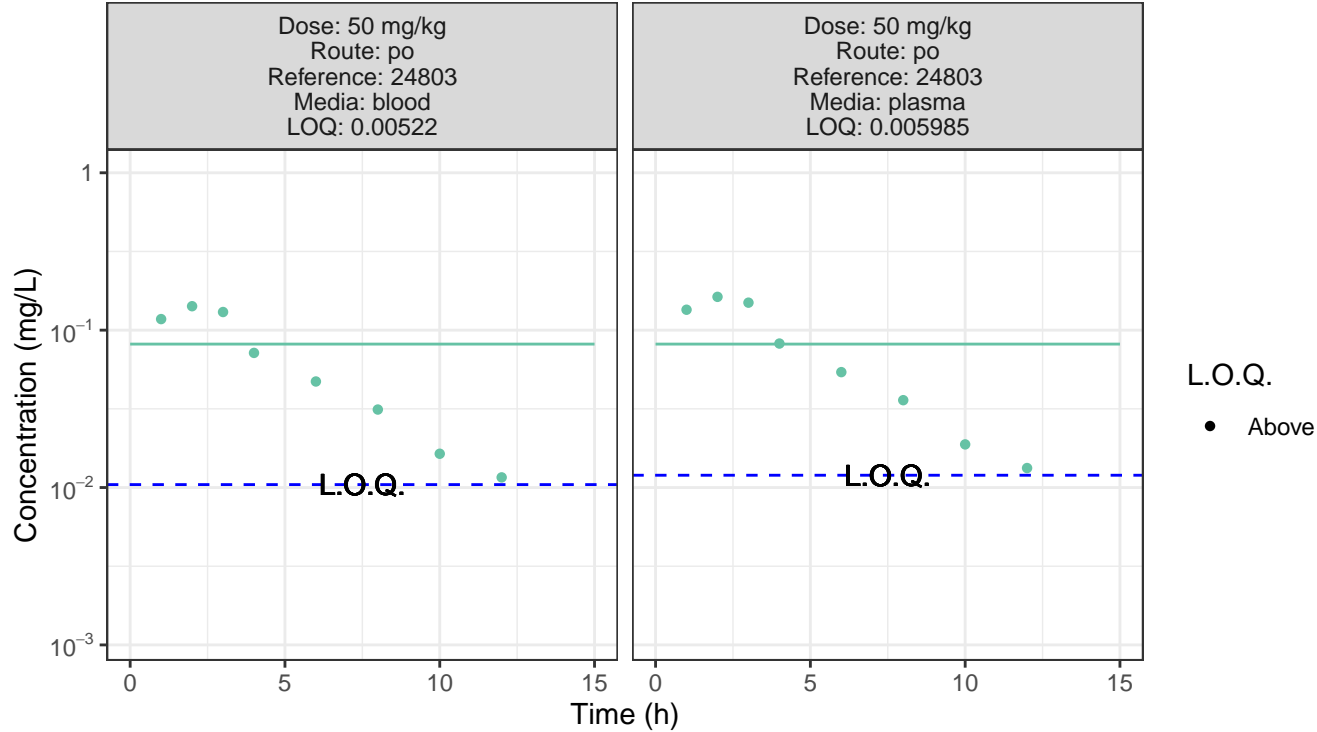


aspirin (flat)

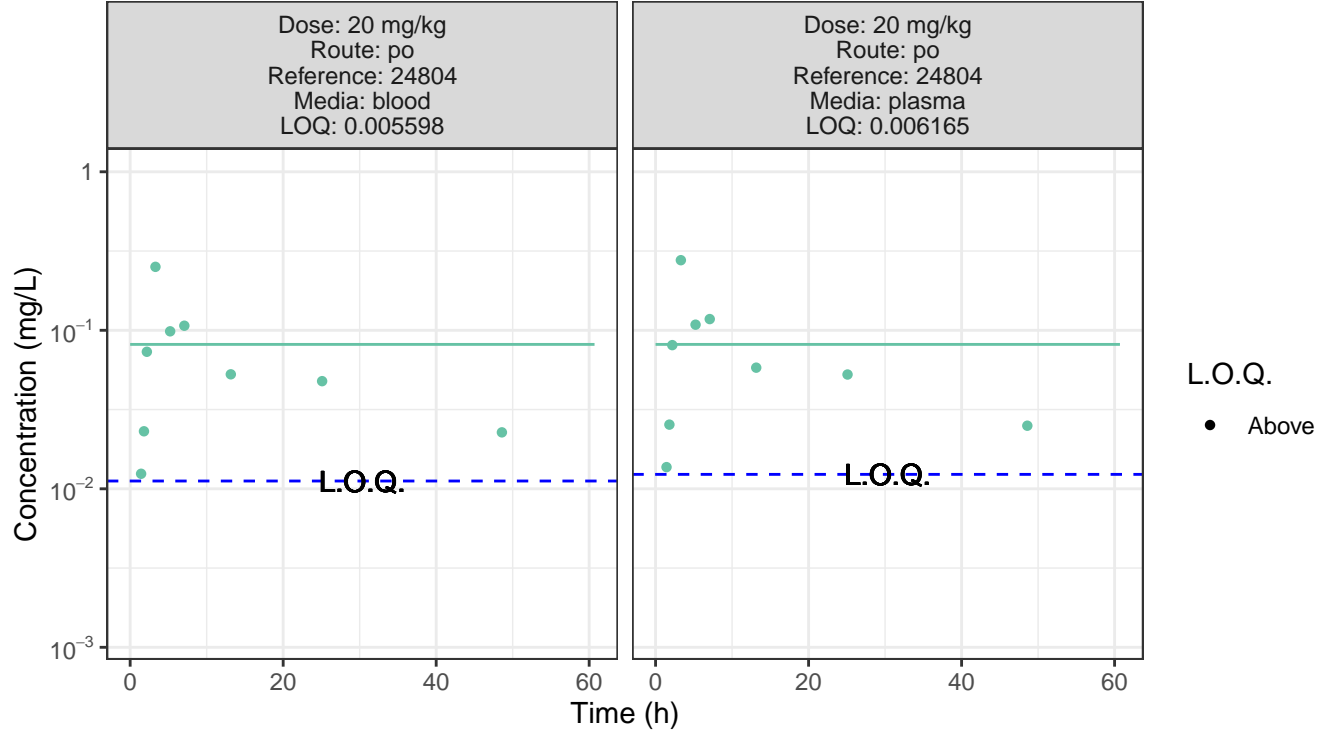




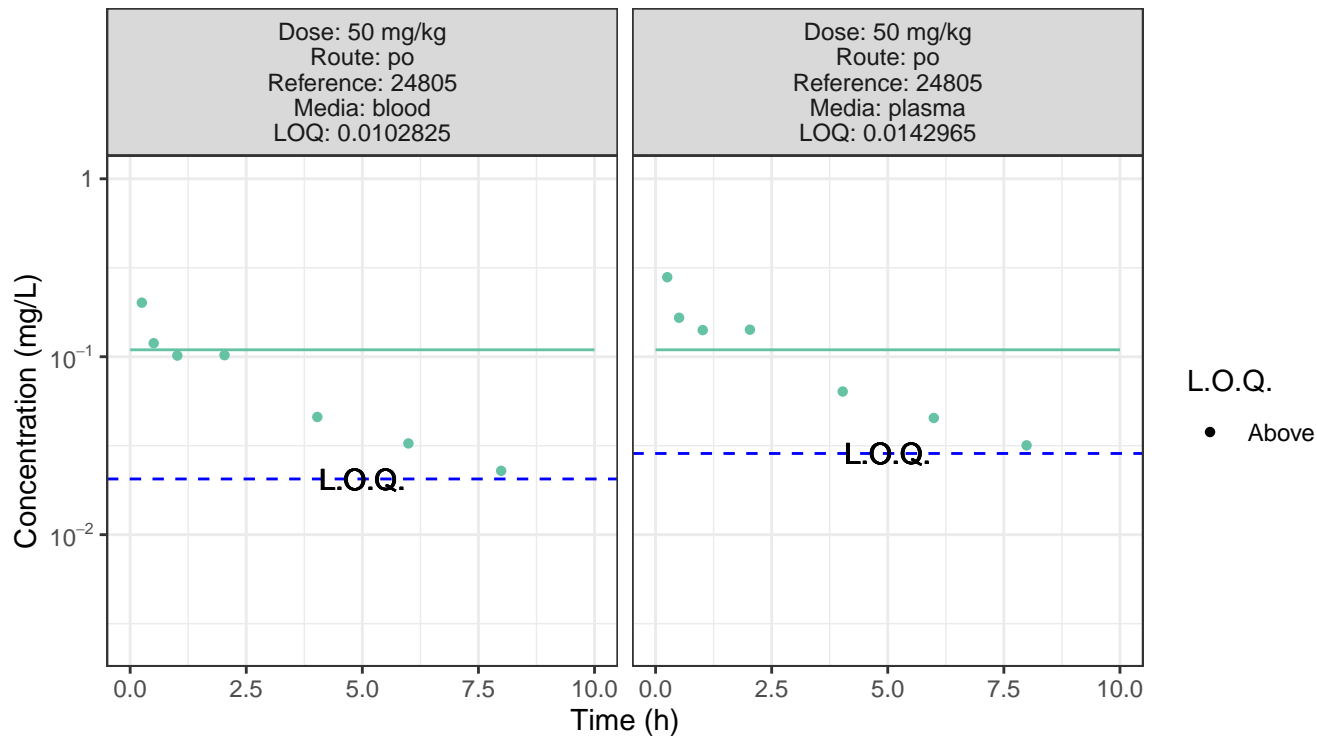
atomoxetine (flat)



azithromycin (flat)

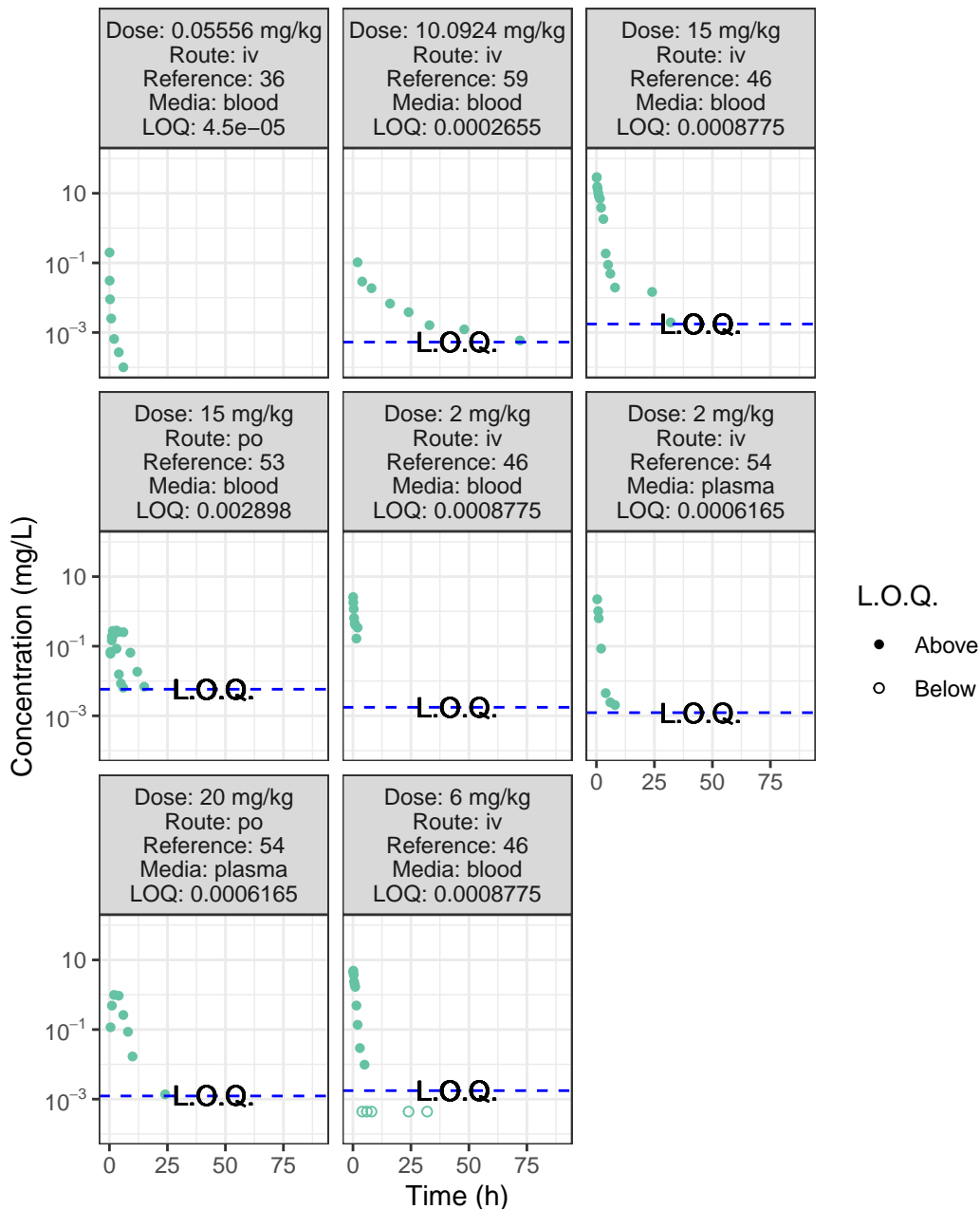


## balsalazide (flat)

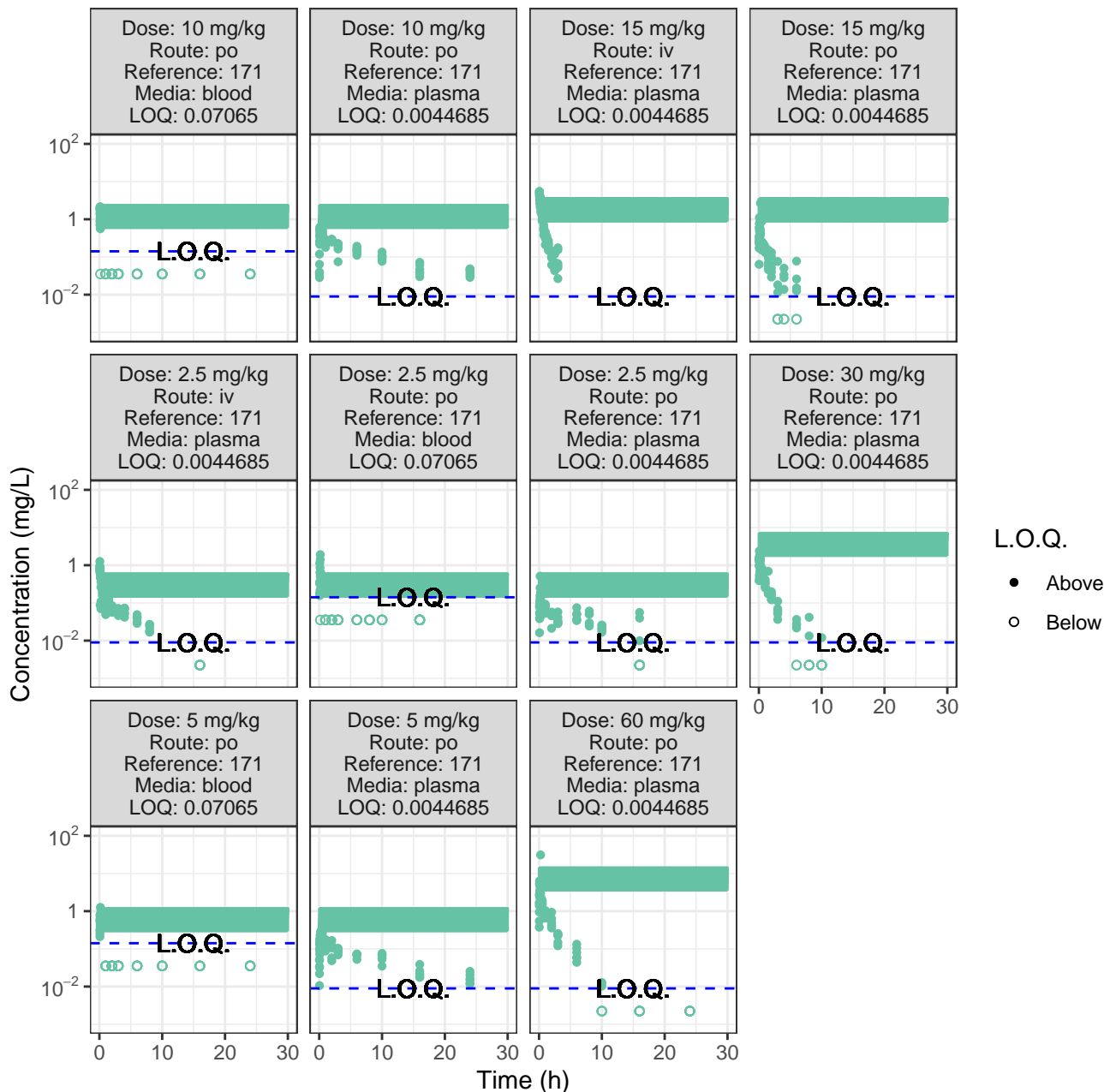




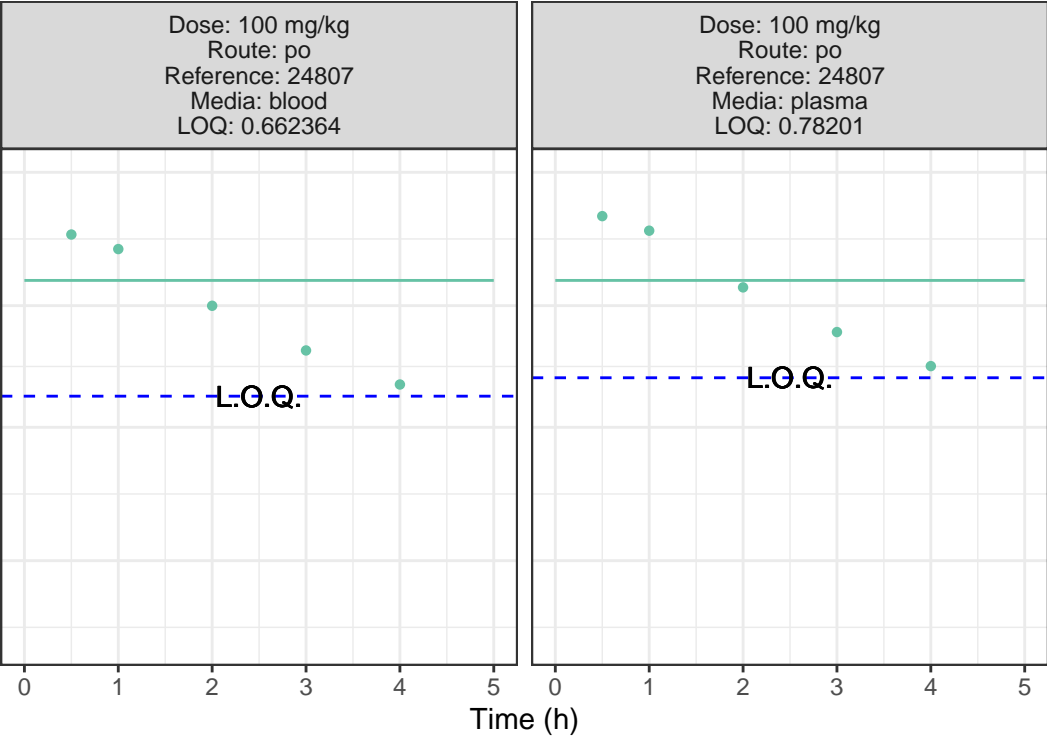
# benzo(a)pyrene (flat): Optimizer Failed, No Curve Fit



# benzophenone (flat)



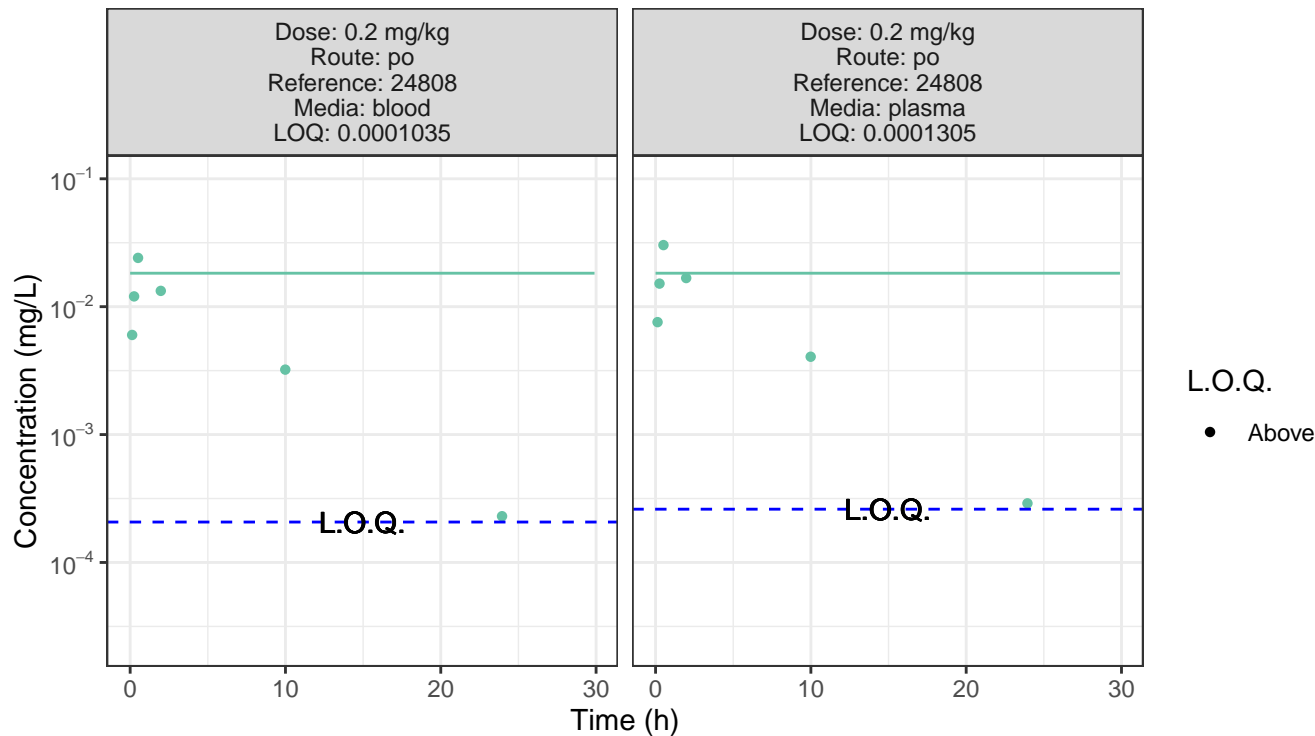
benzylamine (flat)



L.O.Q.

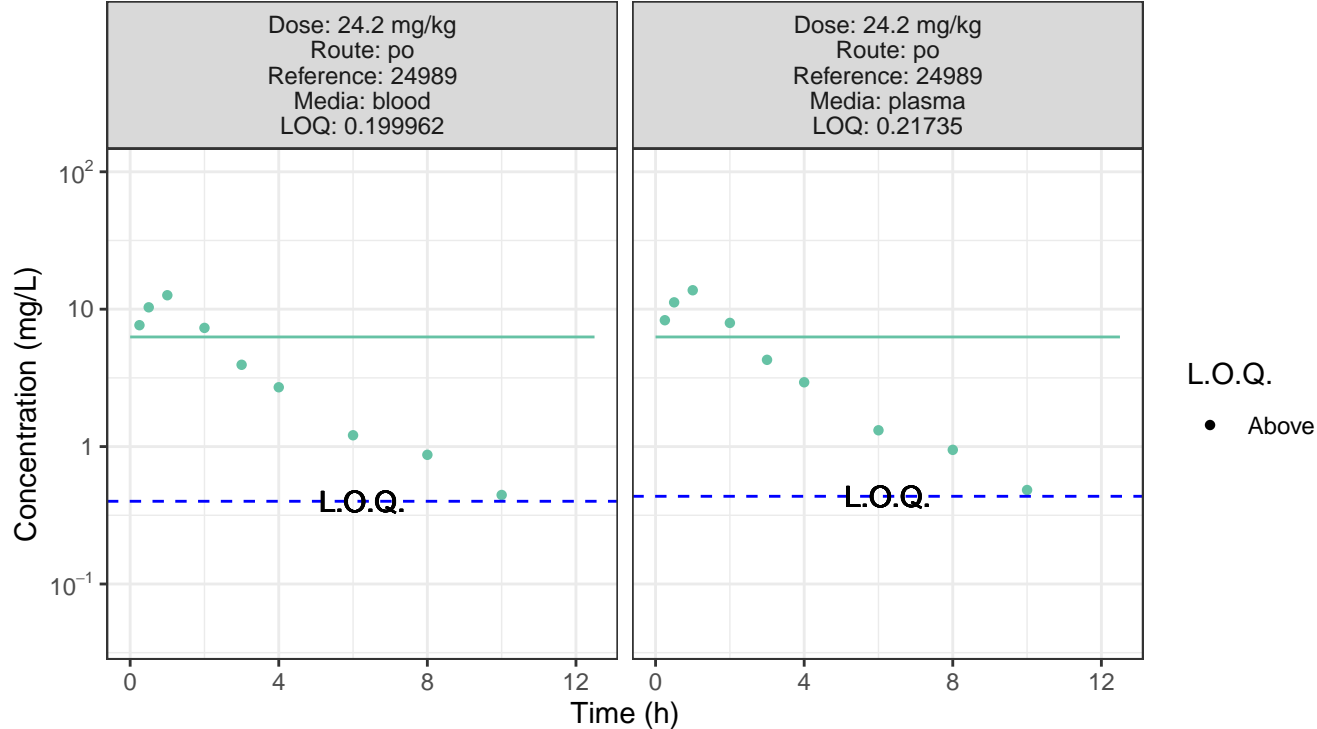
• Above

## beraprost (flat)

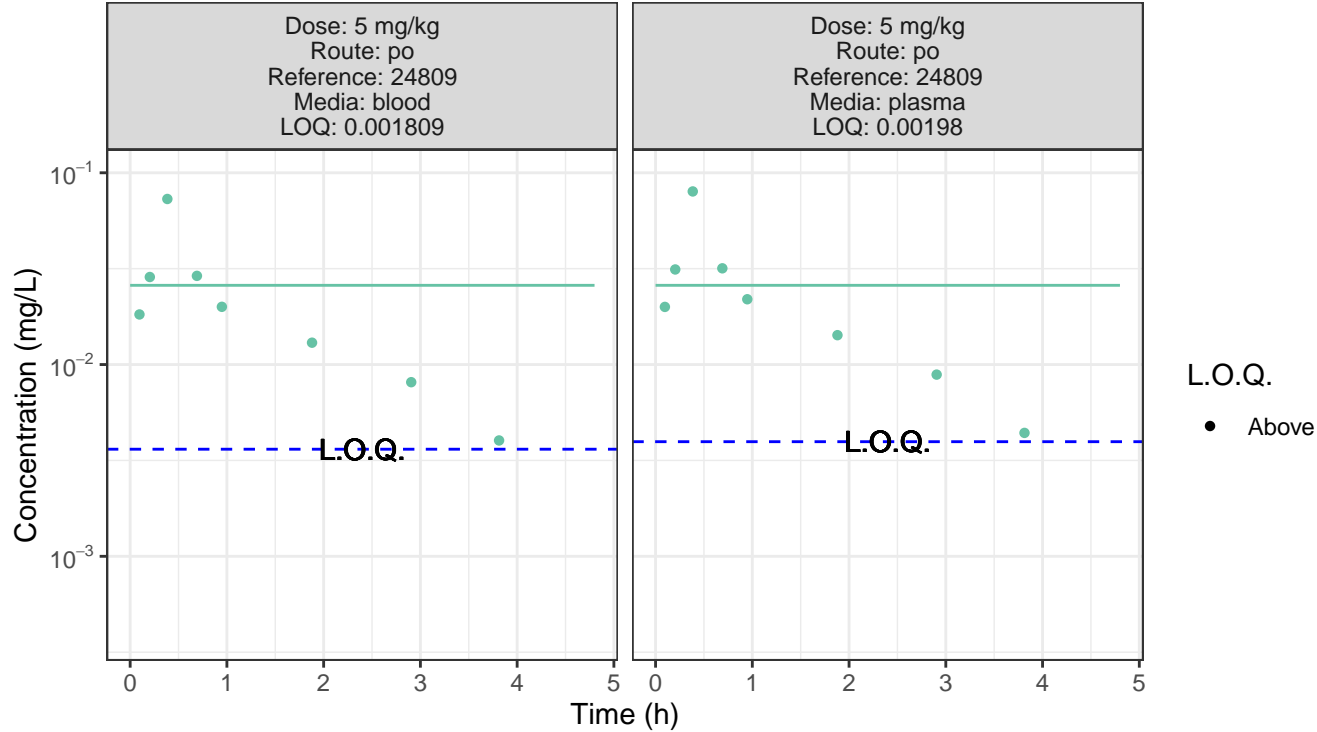




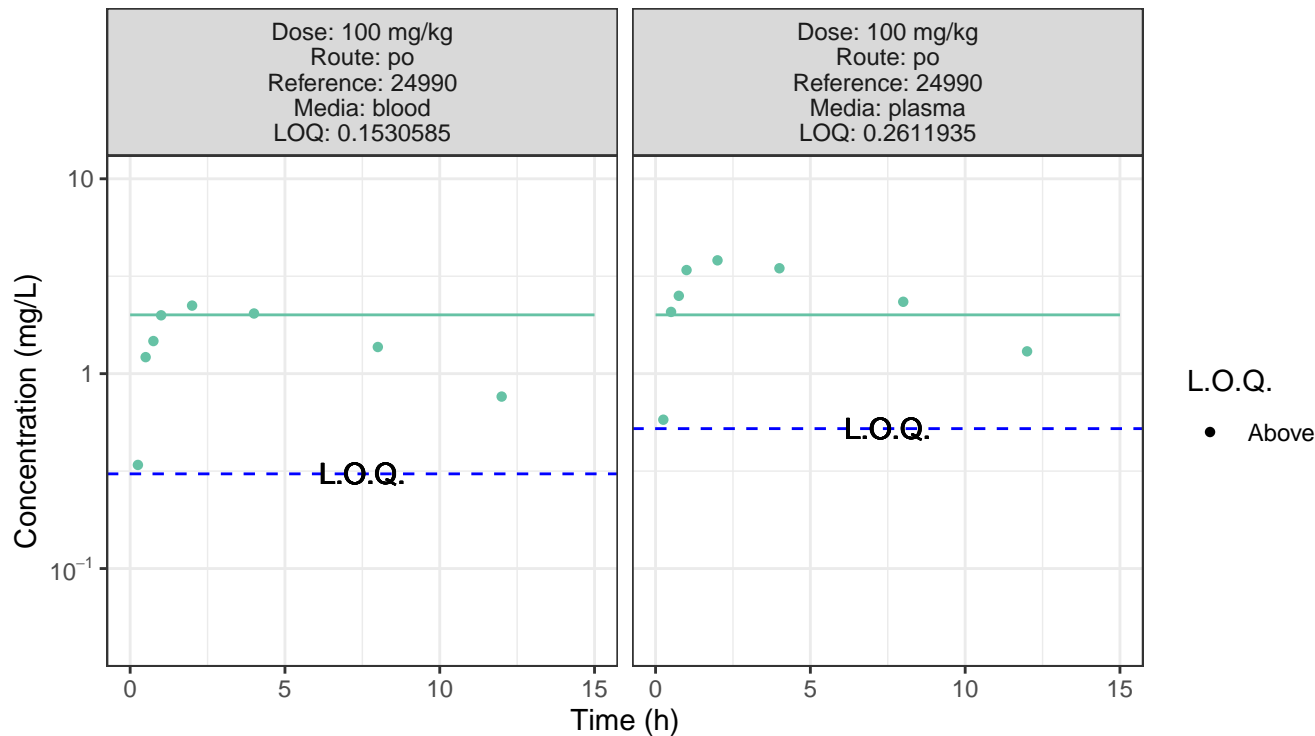
beta-hydroxyisovaleric acid (flat)



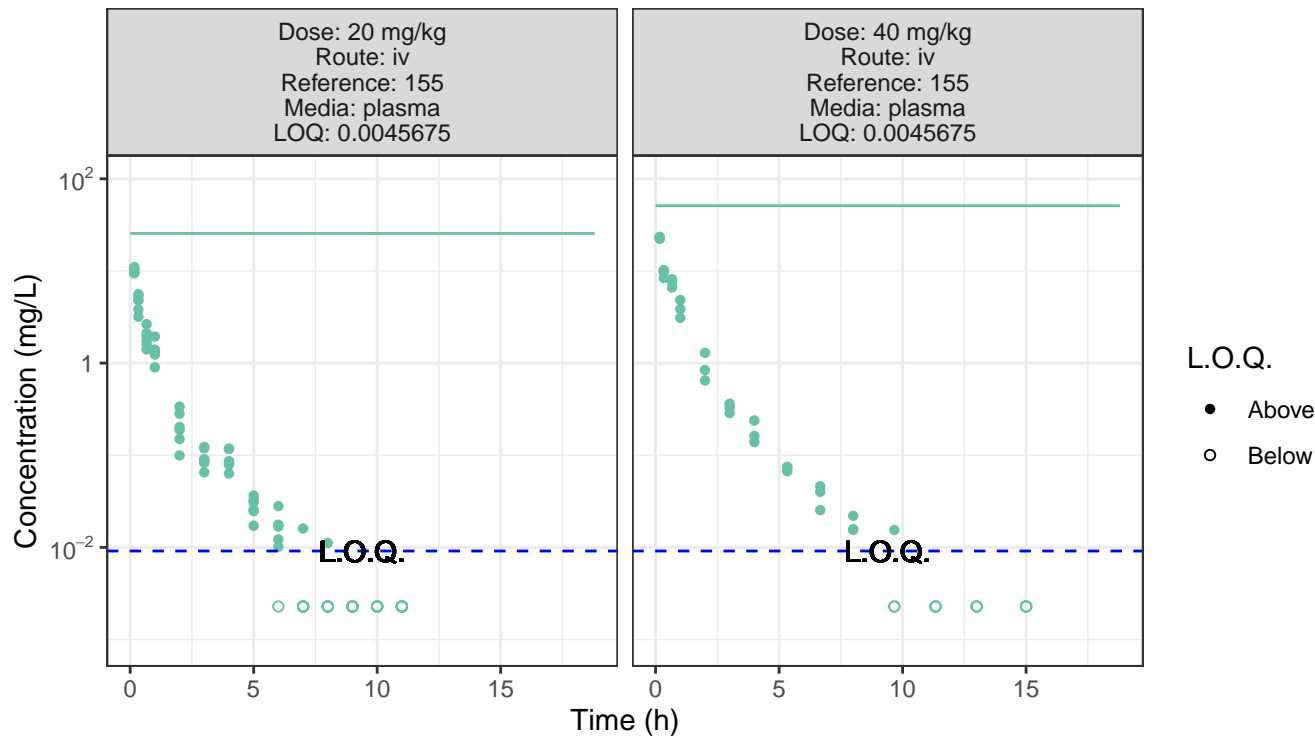
betaxolol (flat)



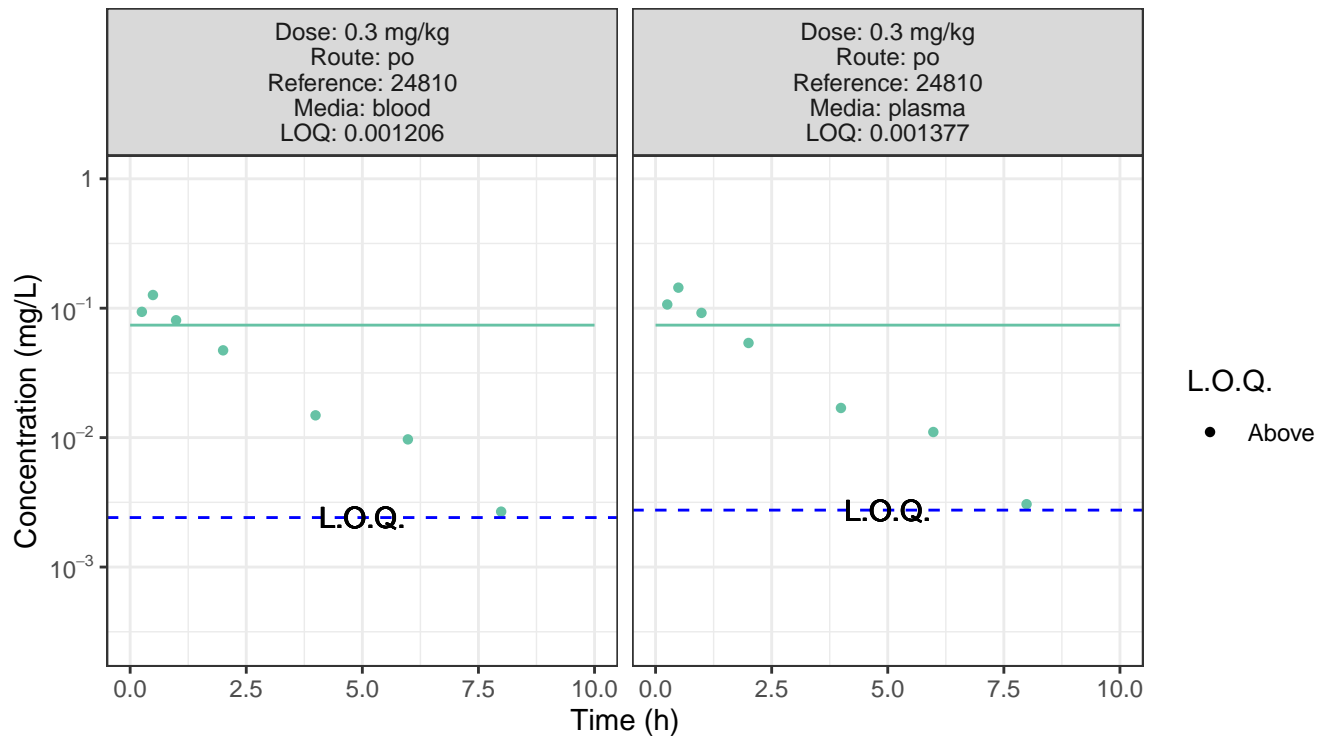
## bexarotene (flat)



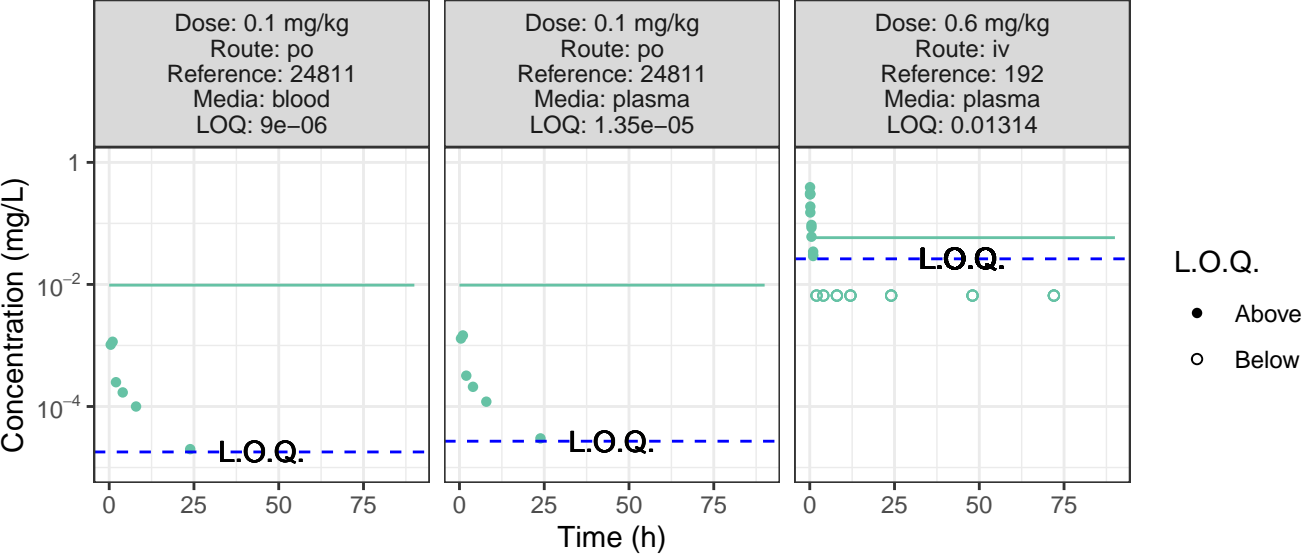
# bis 2-chloroethoxy methane (flat)



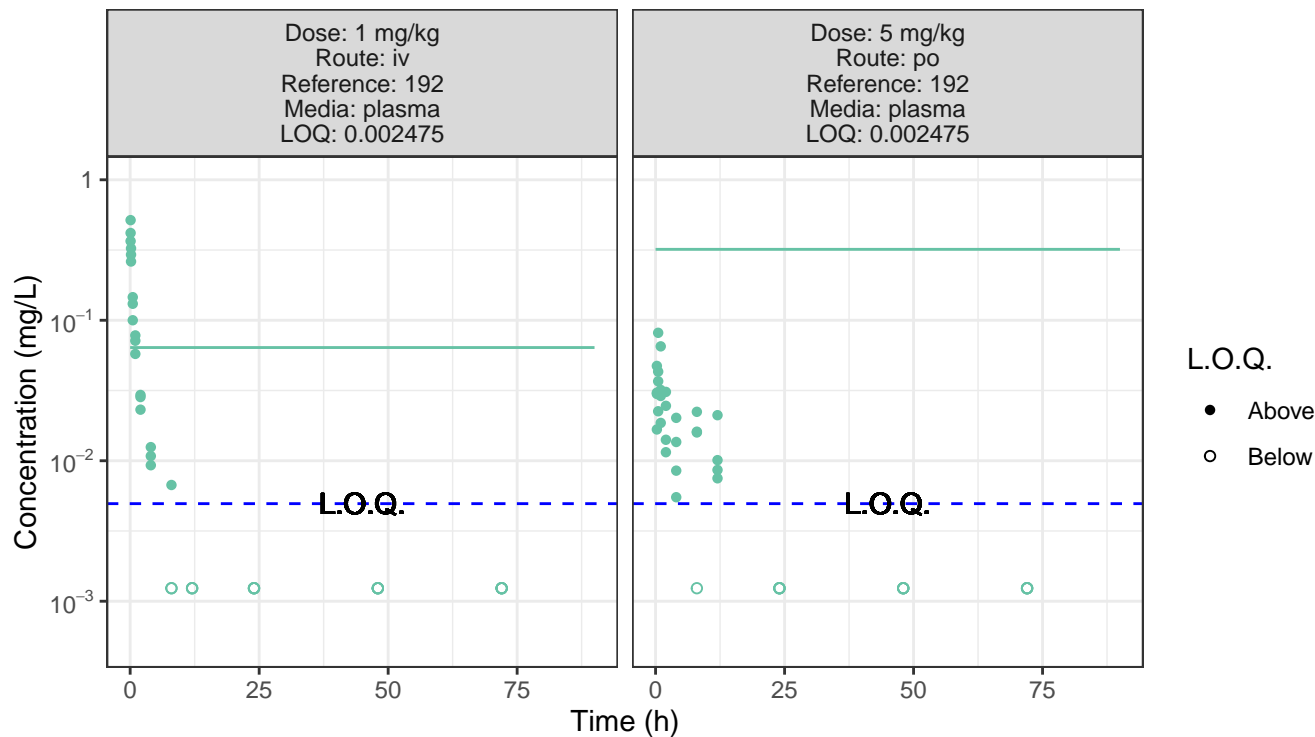
## bisoprolol (flat)



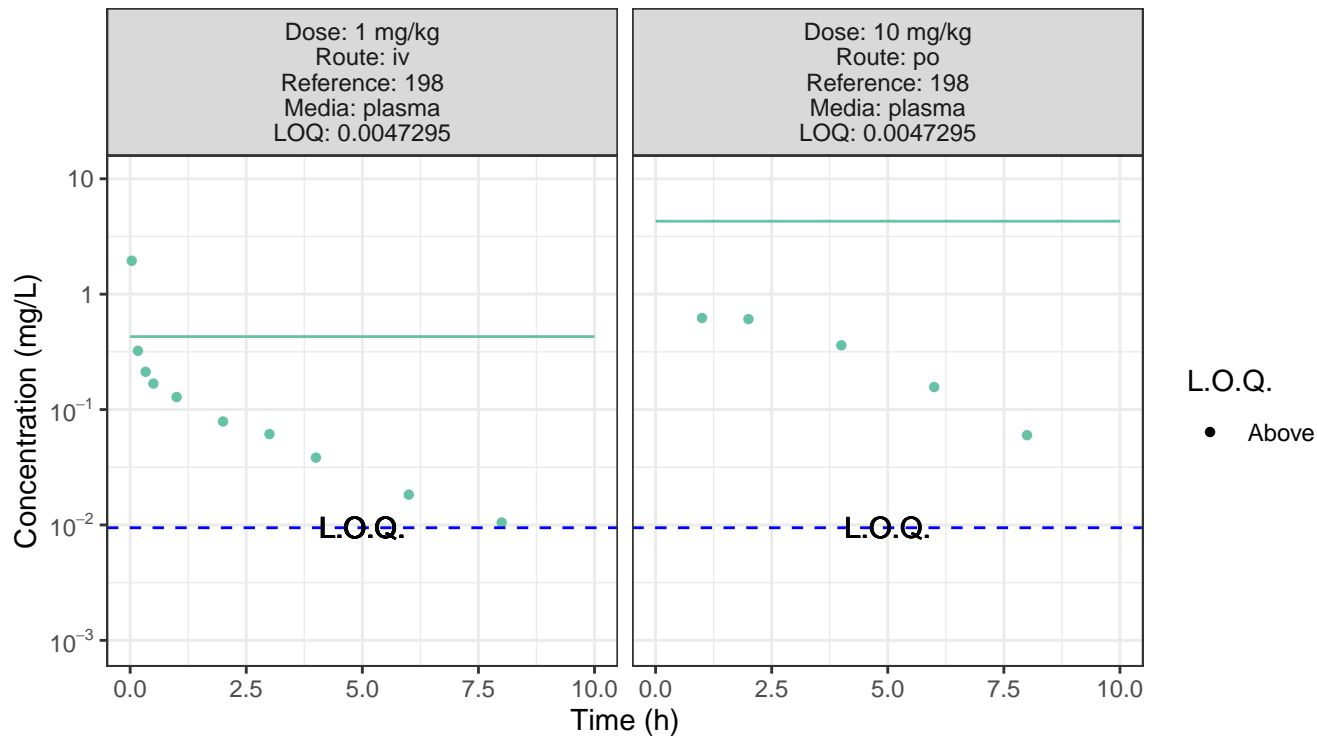
bisphenol a (flat)



# boscalid (flat)

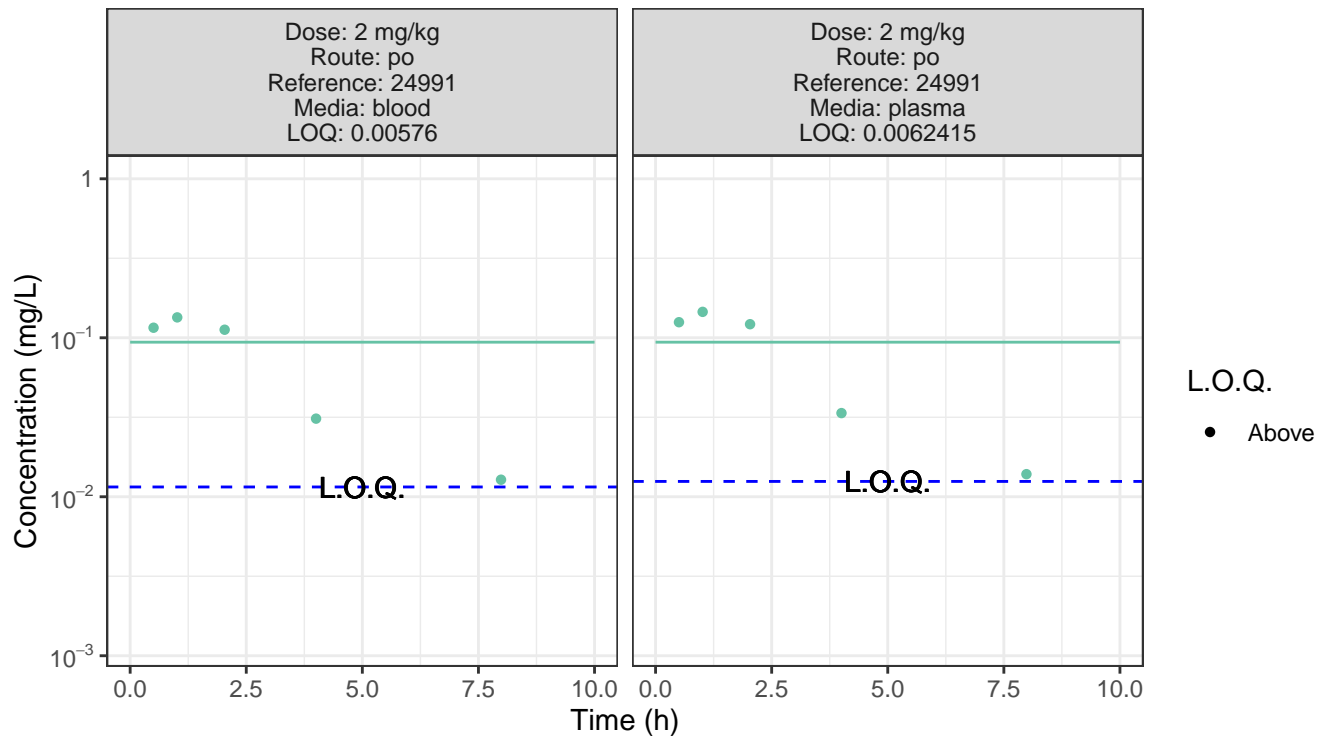


## bosentan (flat)

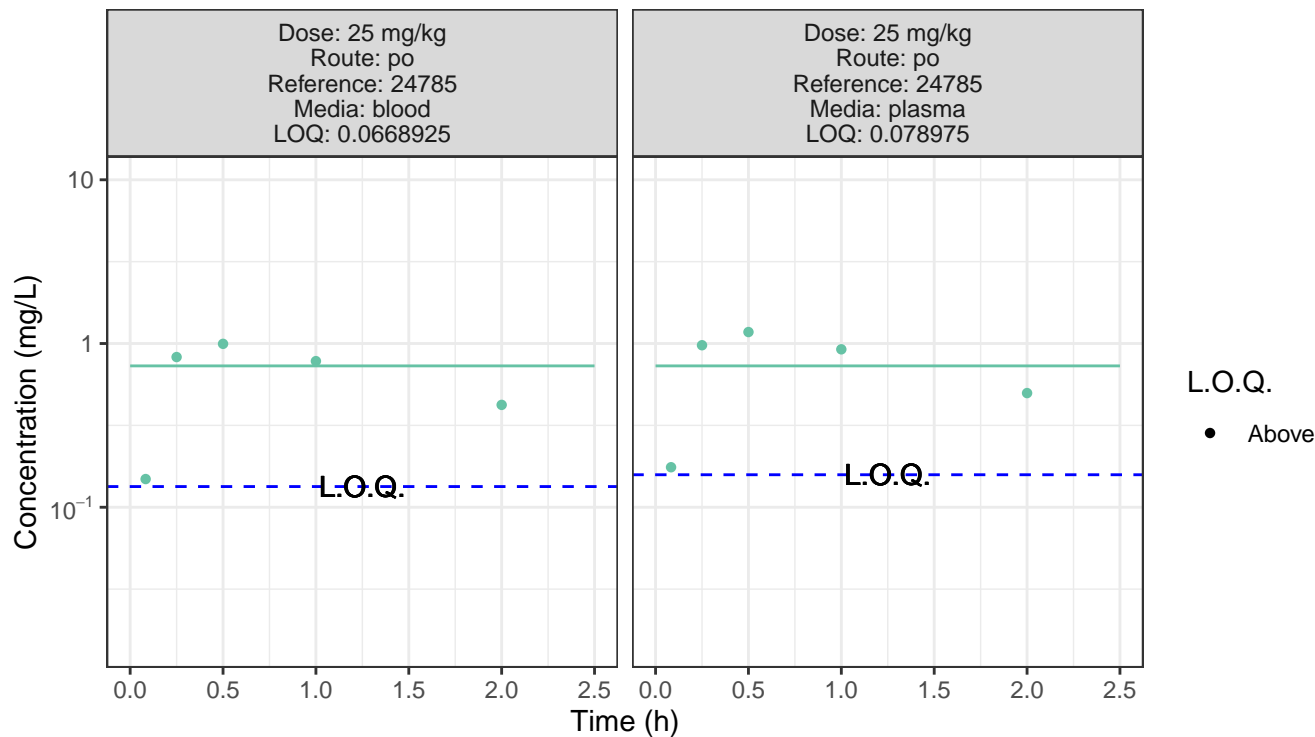




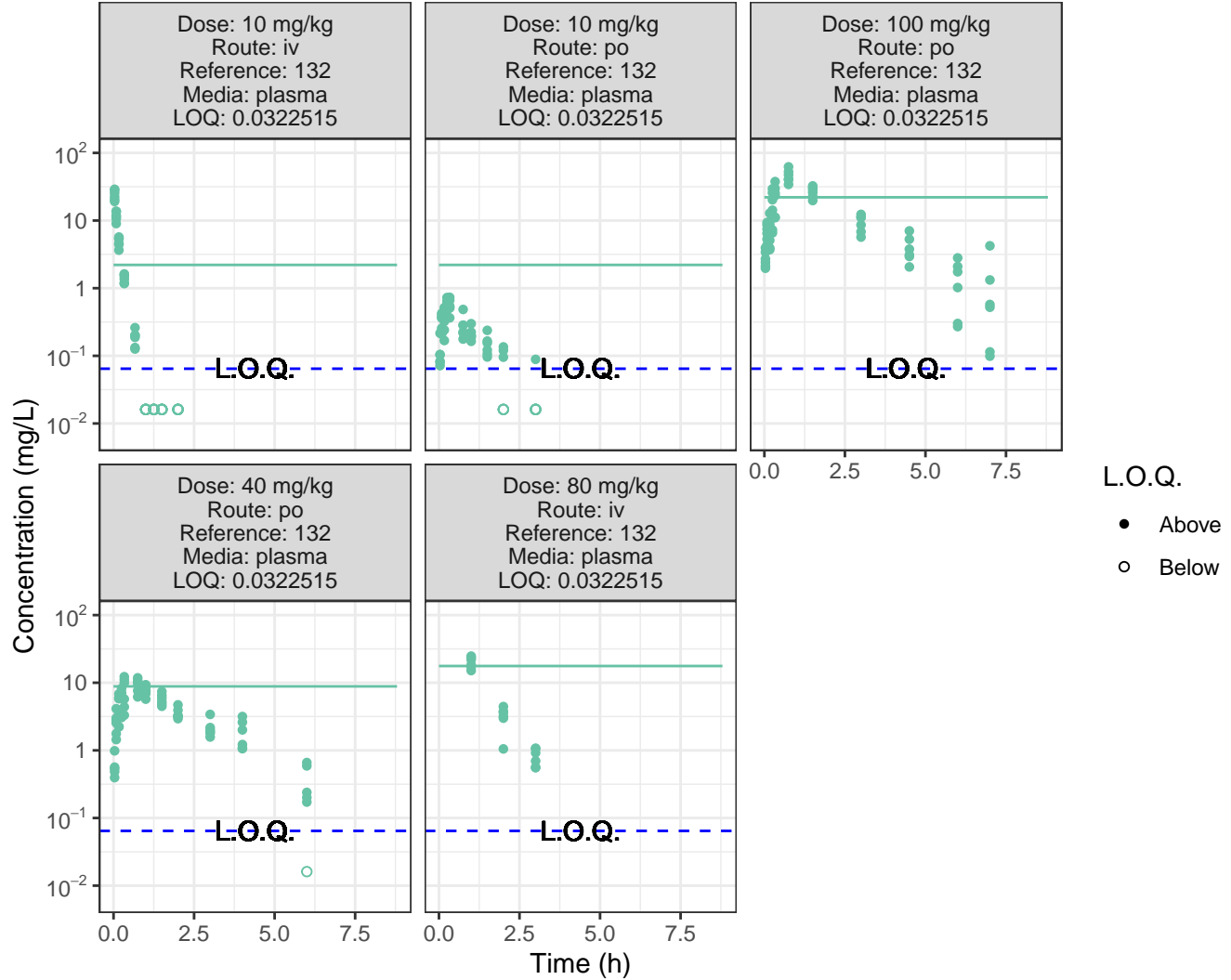
## bromazepam (flat)



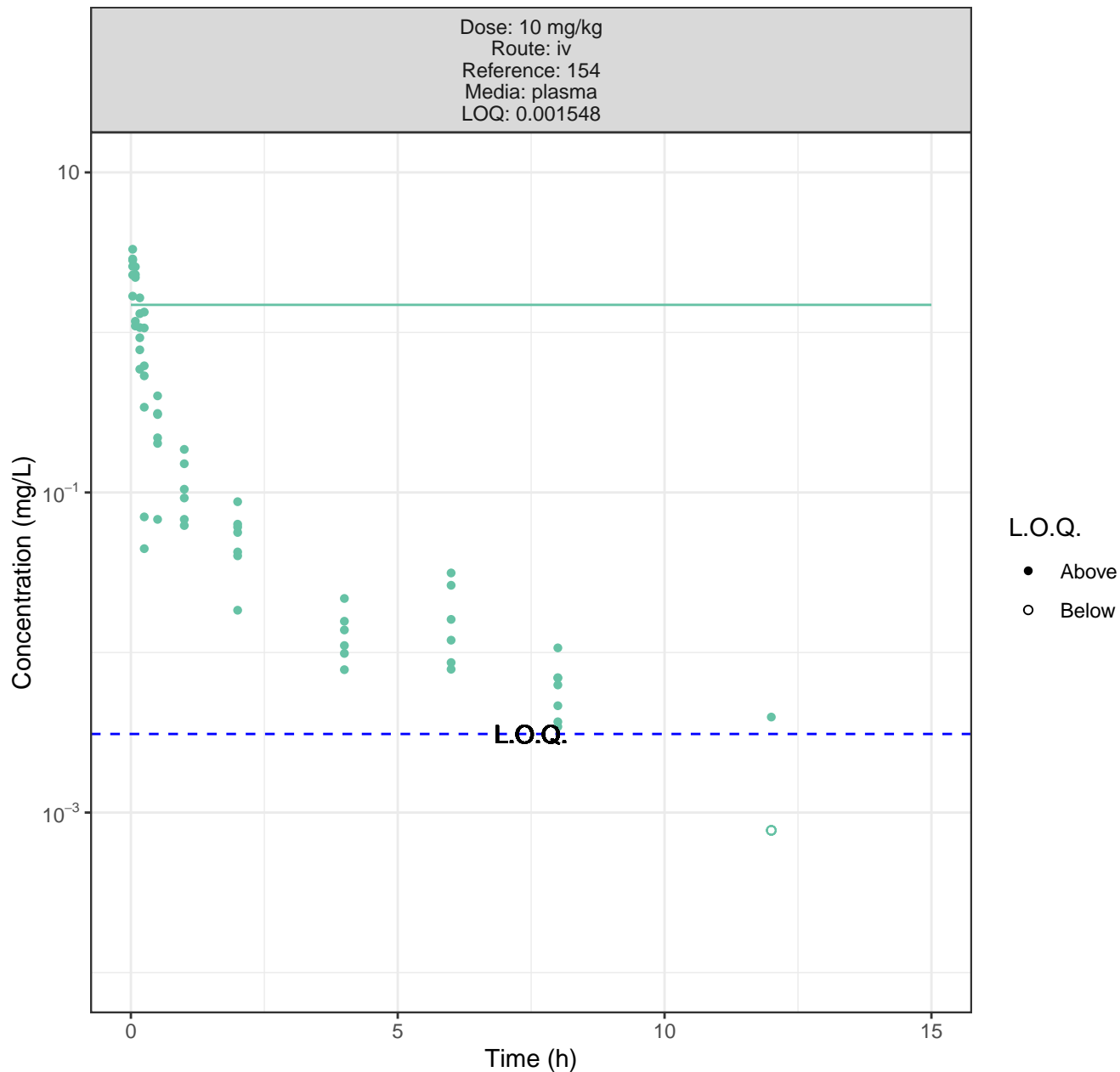
# bromobenzene (flat)



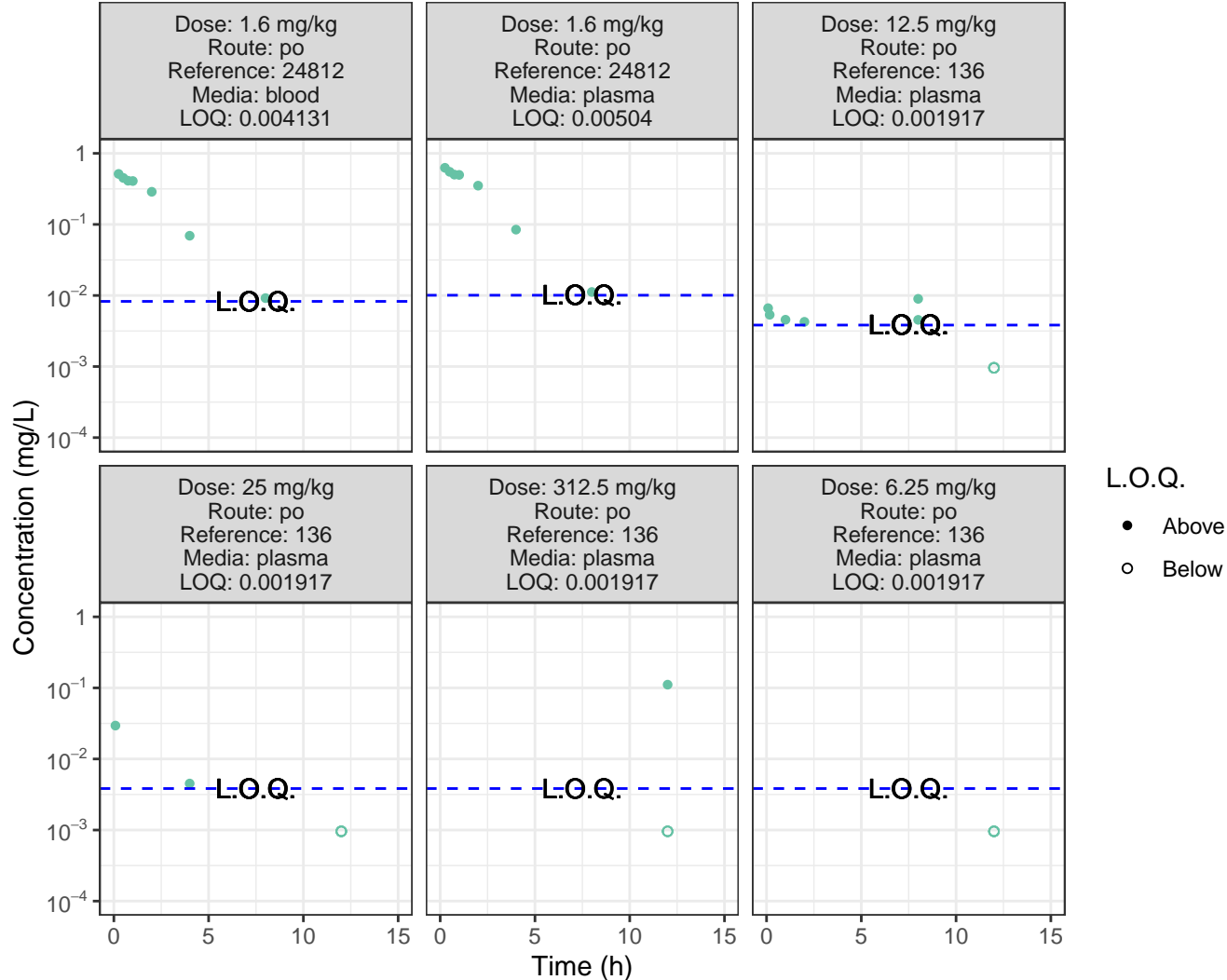
bromochloroacetic acid (flat)



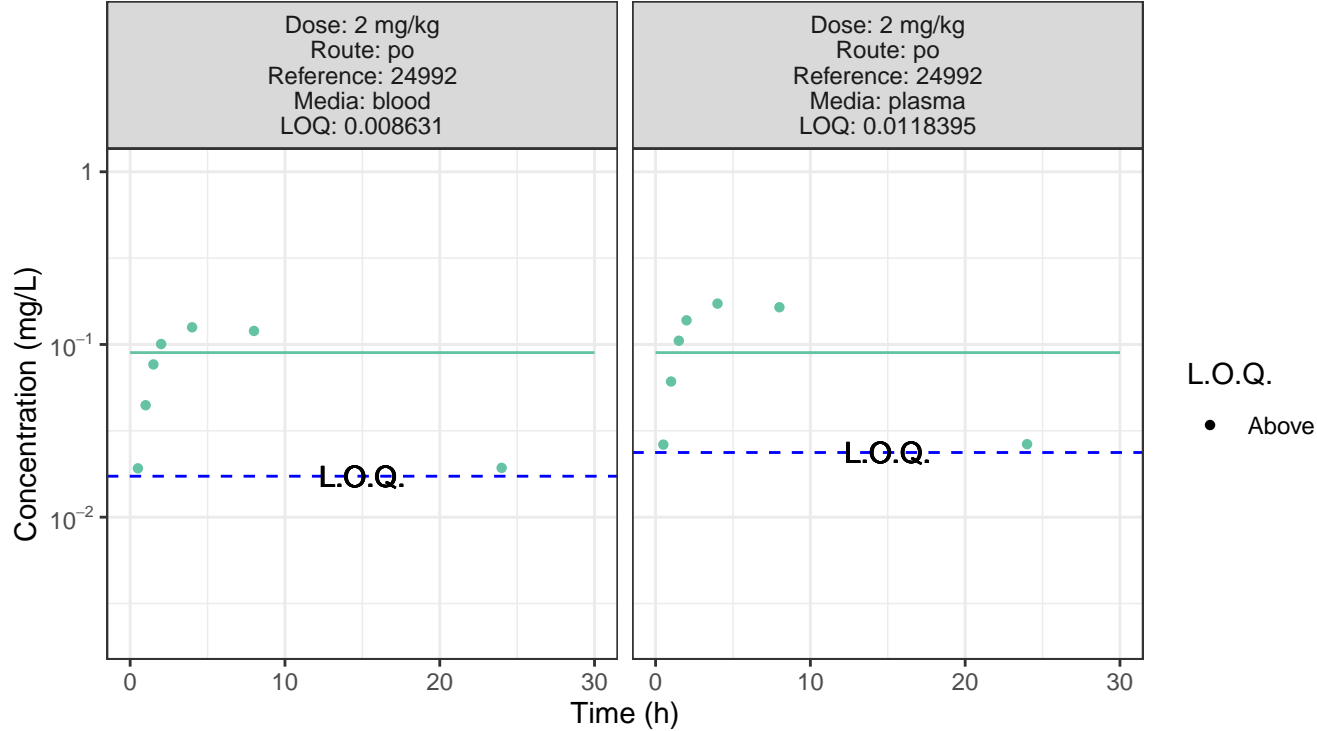
## bromodichloromethane (flat)



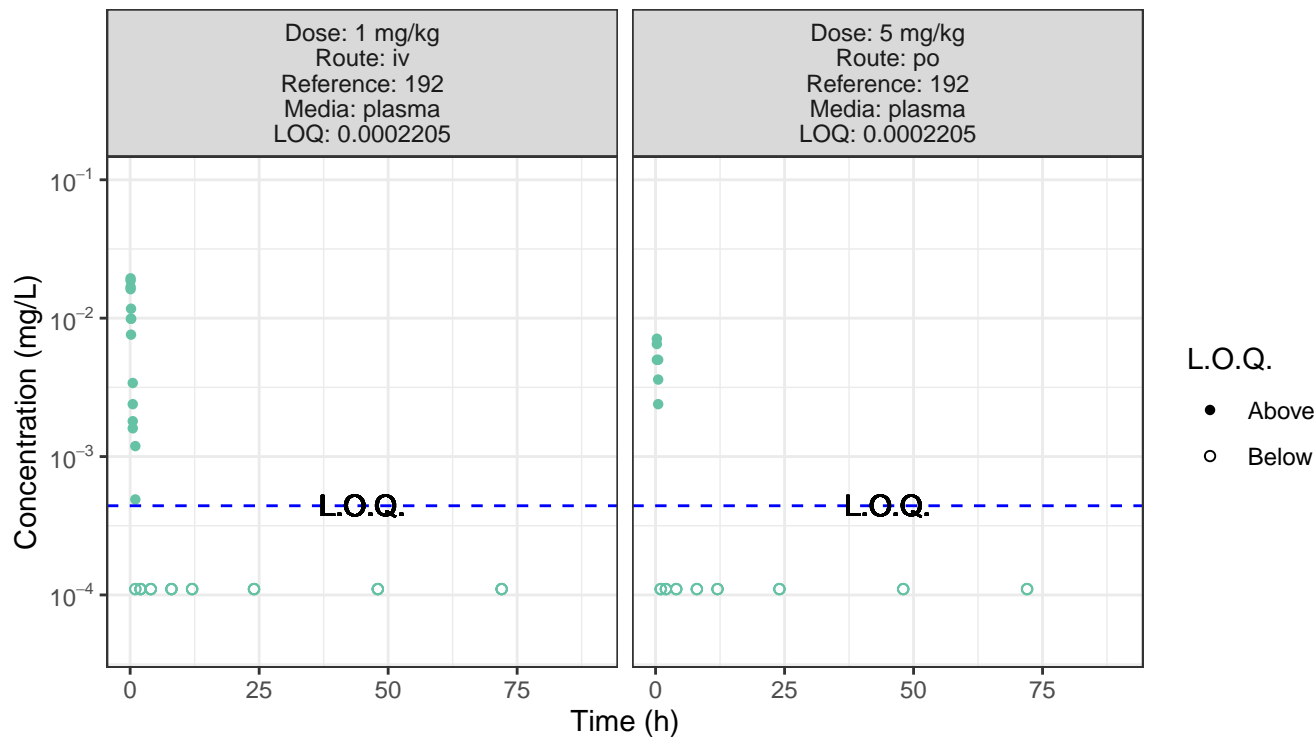
caffeine (flat): Optimizer Failed, No Curve Fit



canagliflozin (flat)

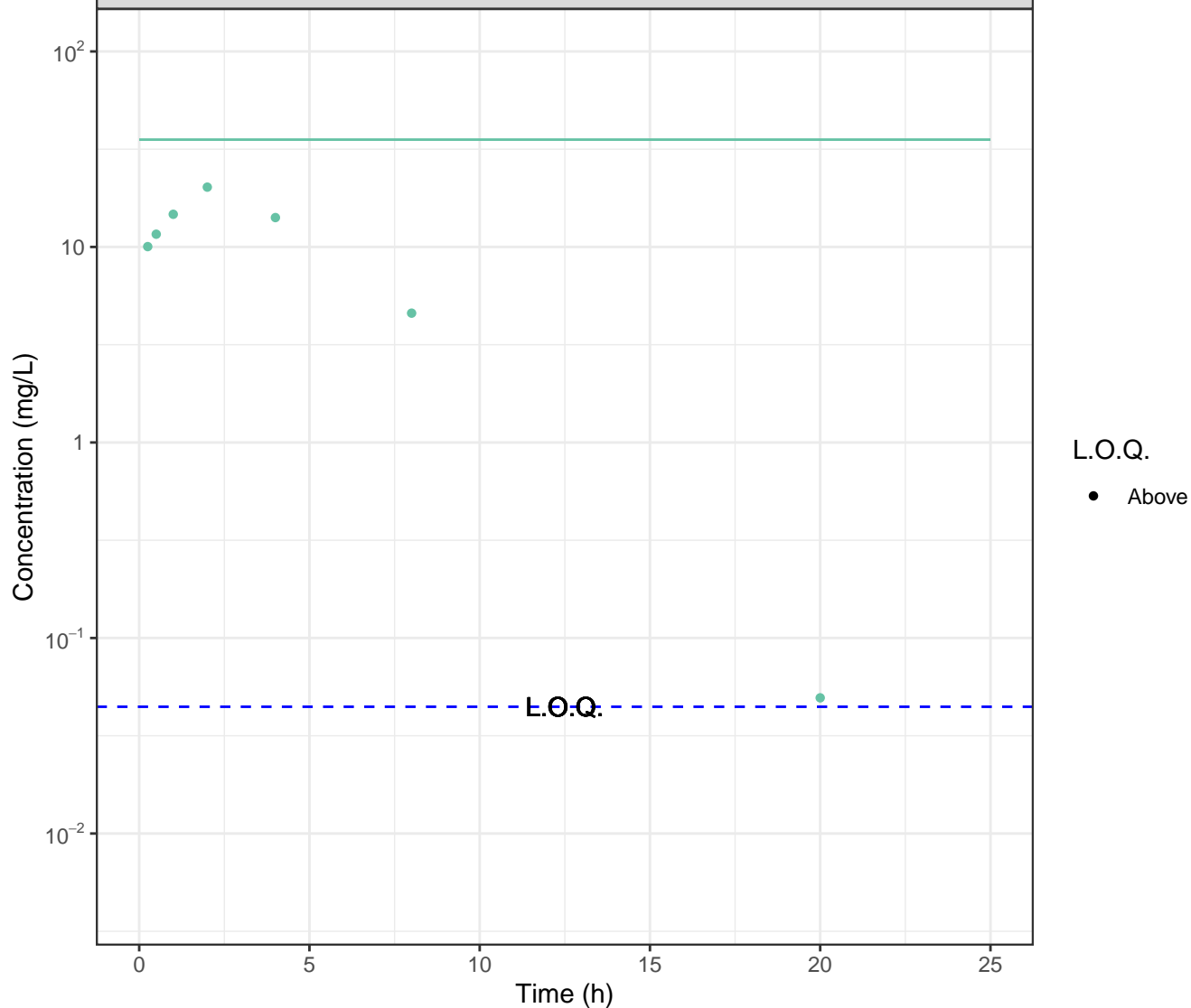


# carbaryl (flat): Optimizer Failed, No Curve Fit



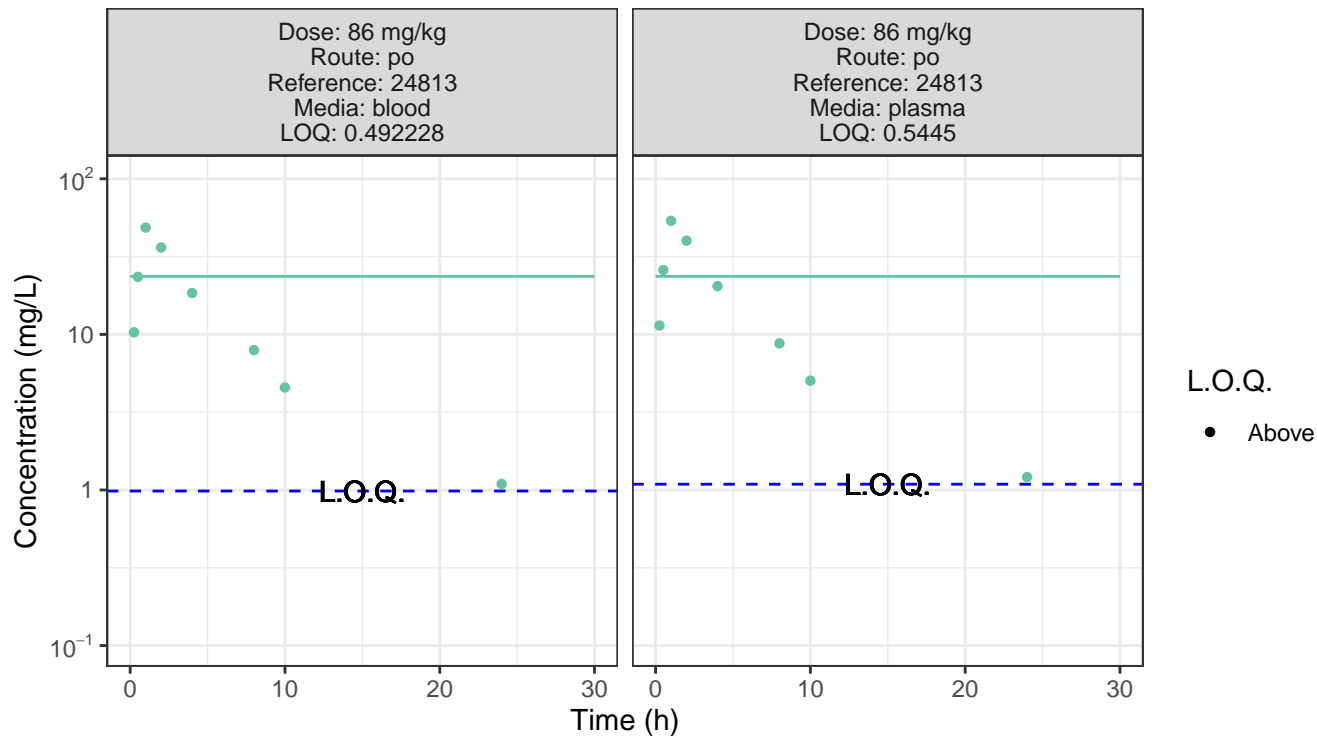
# carbendazim (flat)

Dose: 1000 mg/kg  
Route: po  
Reference: 201  
Media: plasma  
LOQ: 0.022248

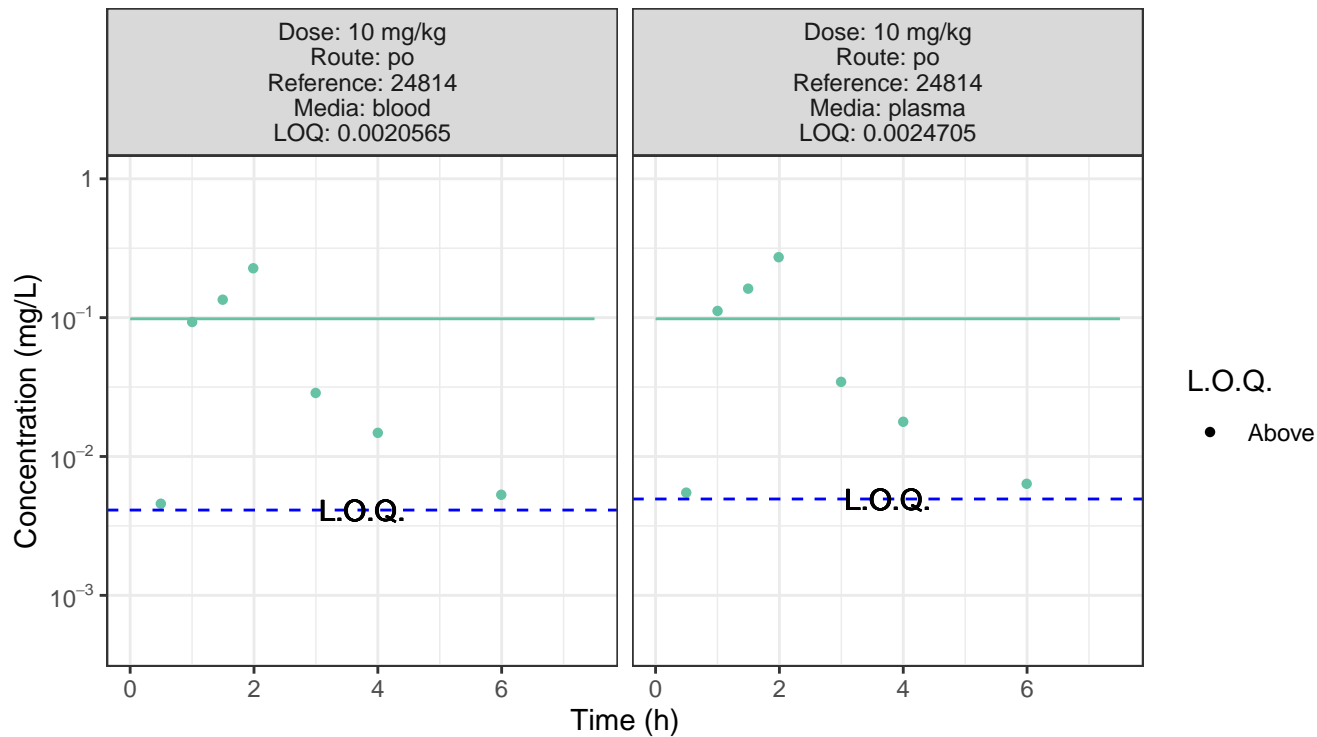




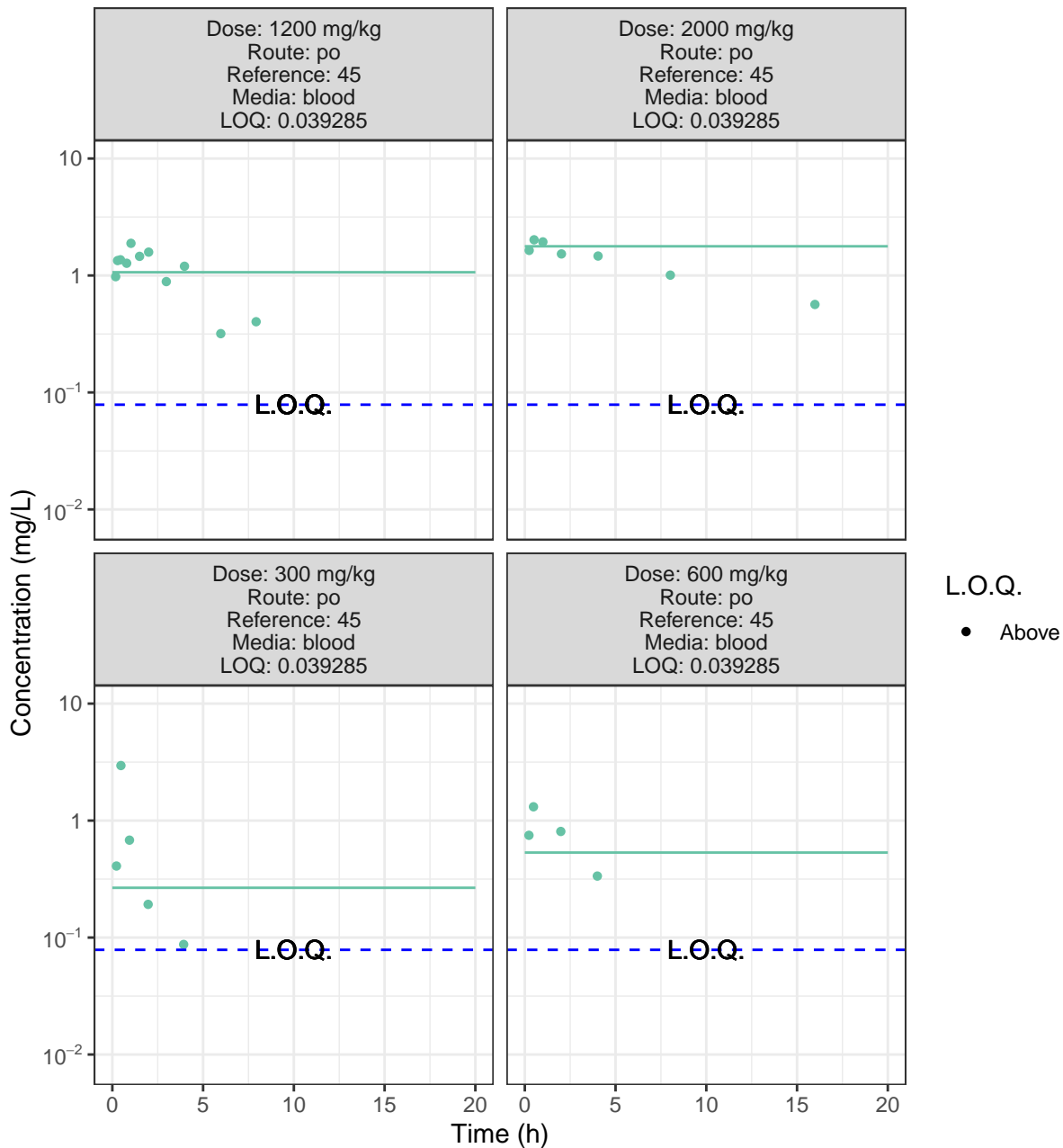
## cefixime (flat)



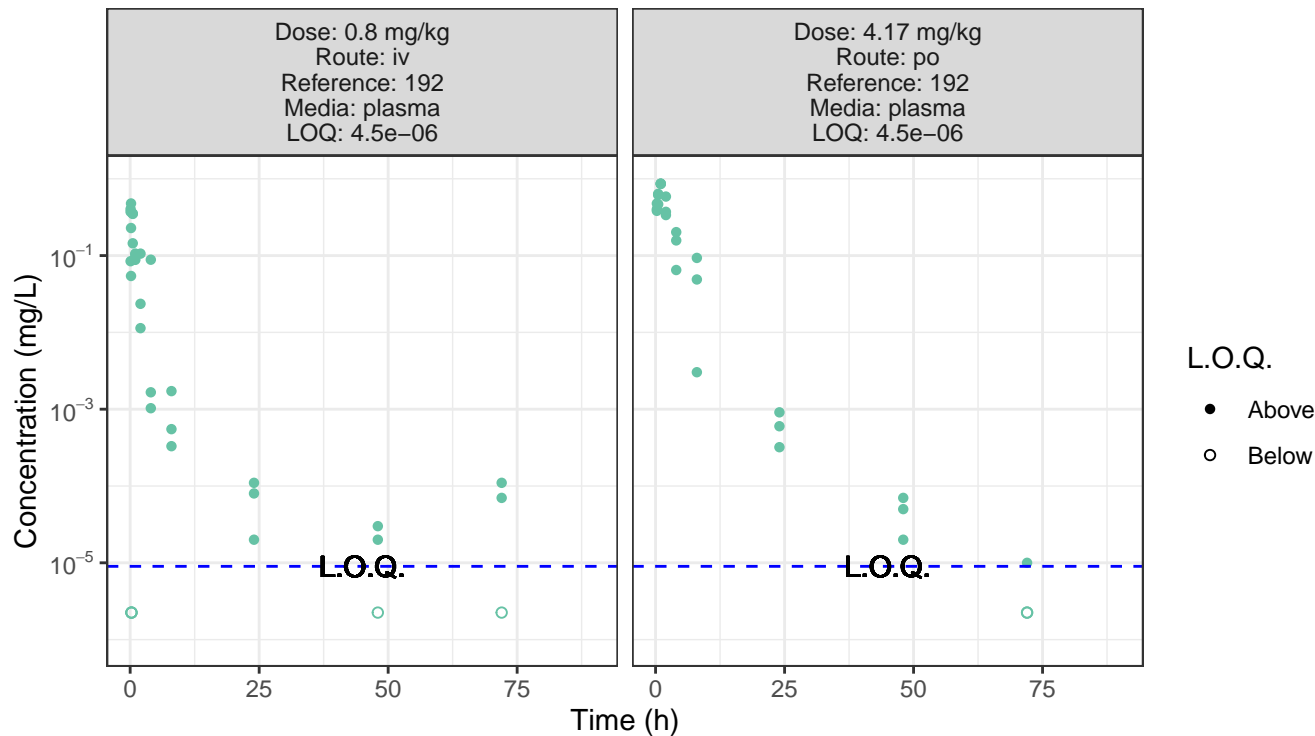
## celiprolol (flat)



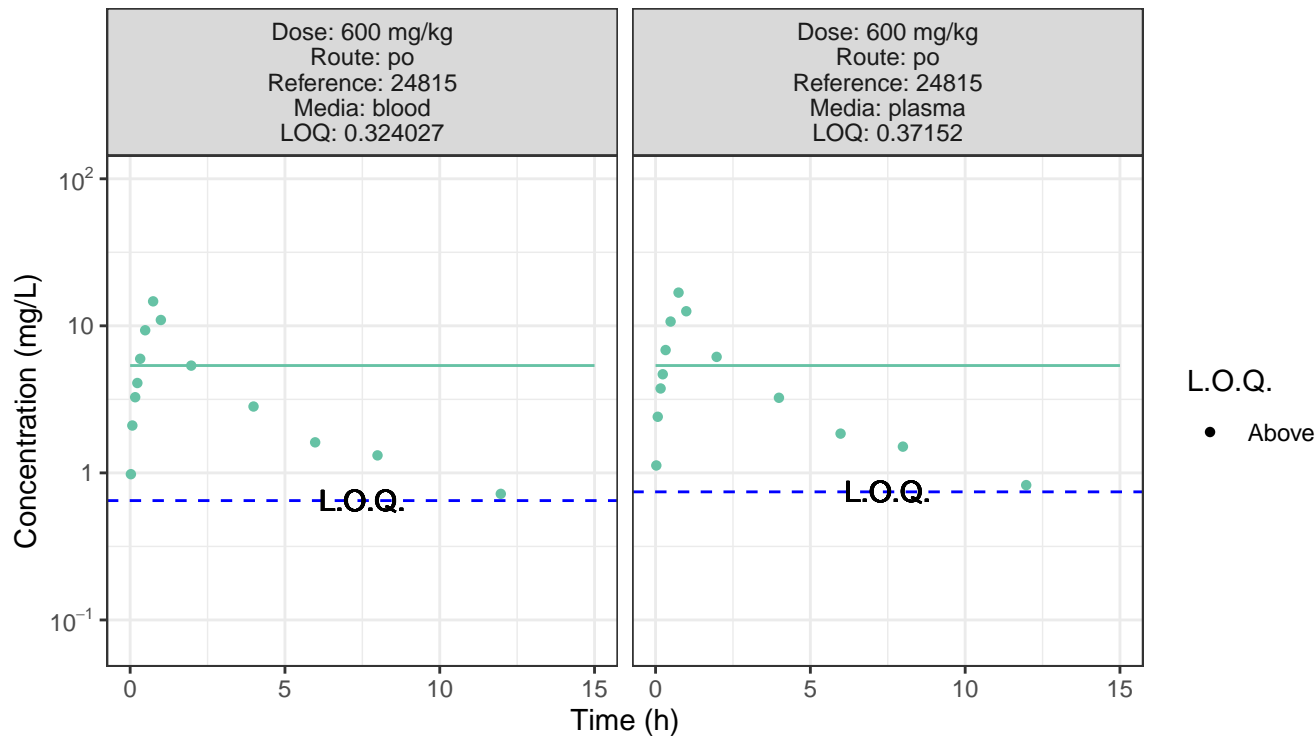
# chloral hydrate (flat)



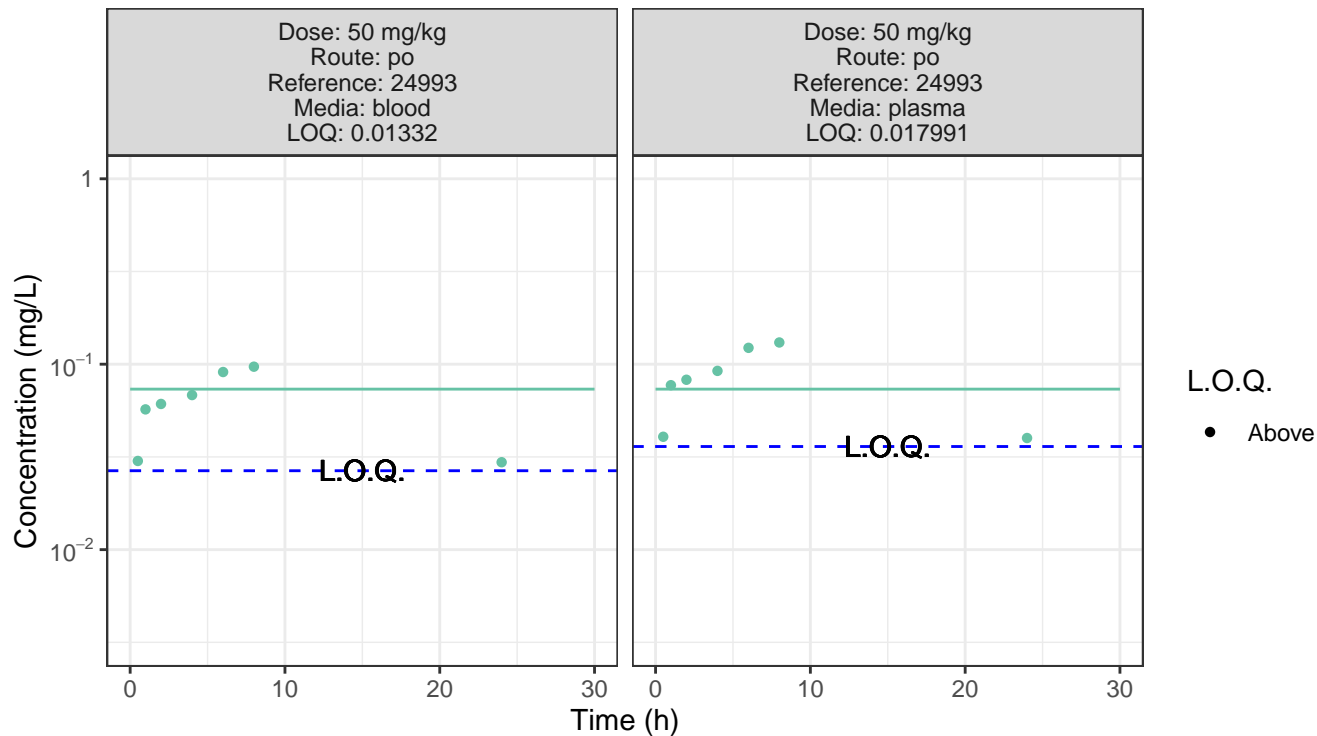
# chloridazon (flat): Optimizer Failed, No Curve Fit



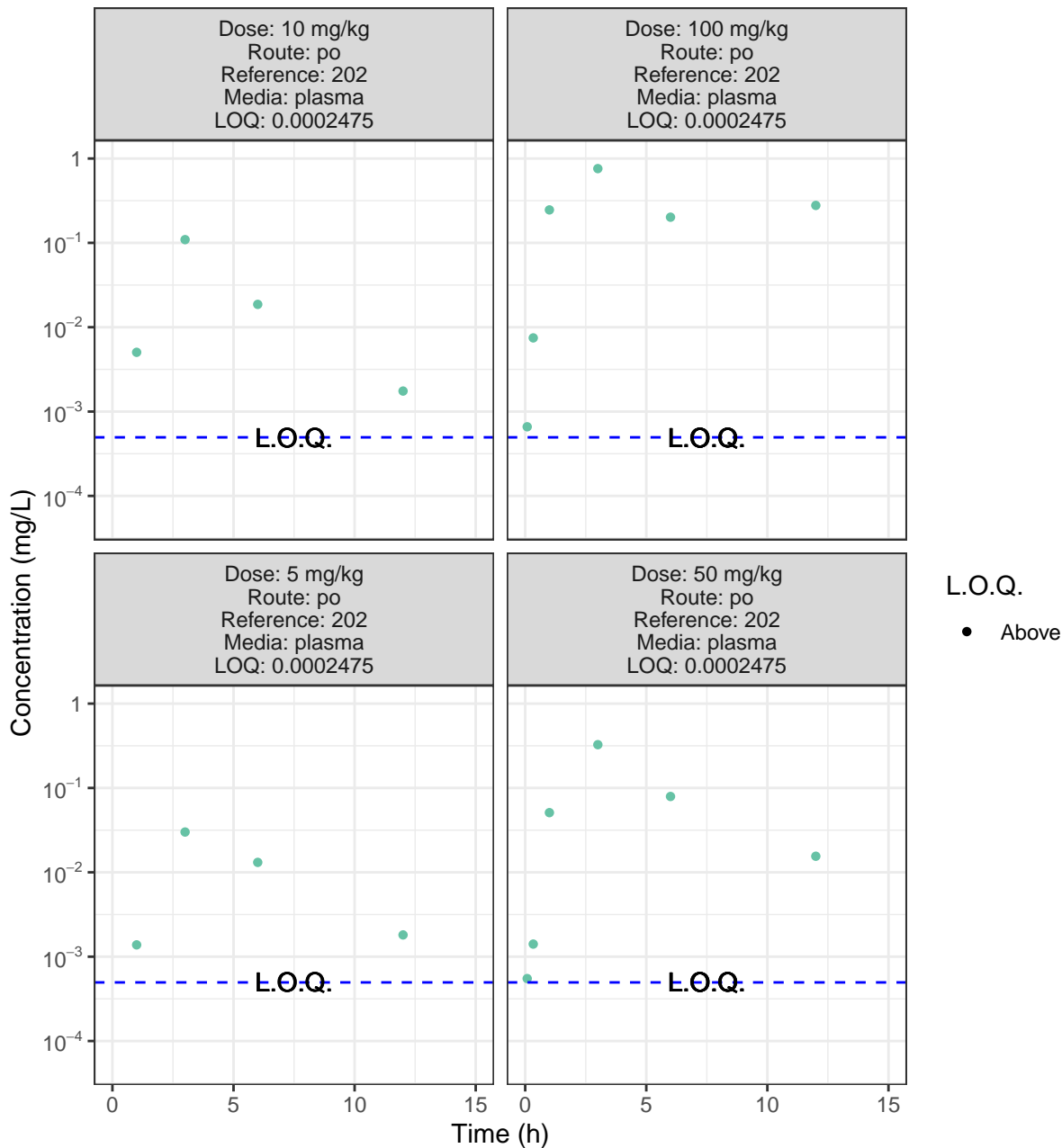
## chlorogenic acid (flat)



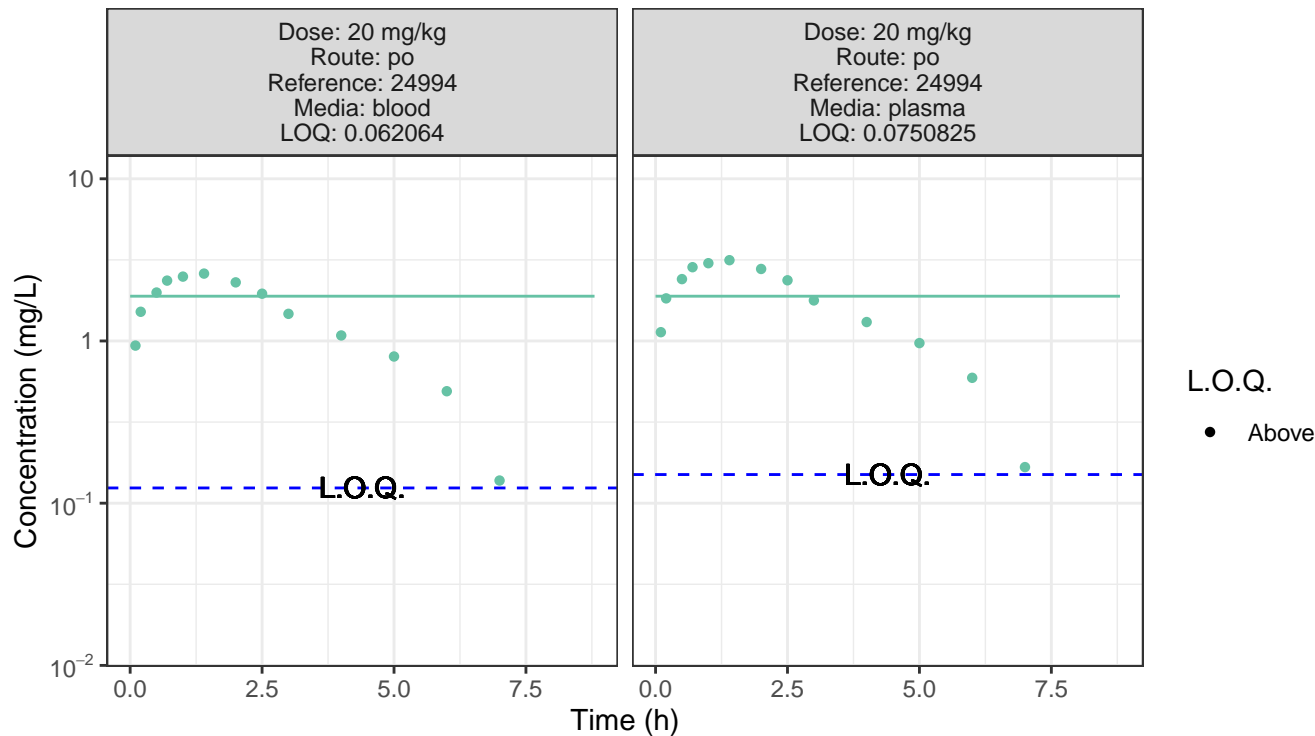
## chlorpromazine (flat)



# chlorpyrifos (flat): Optimizer Failed, No Curve Fit

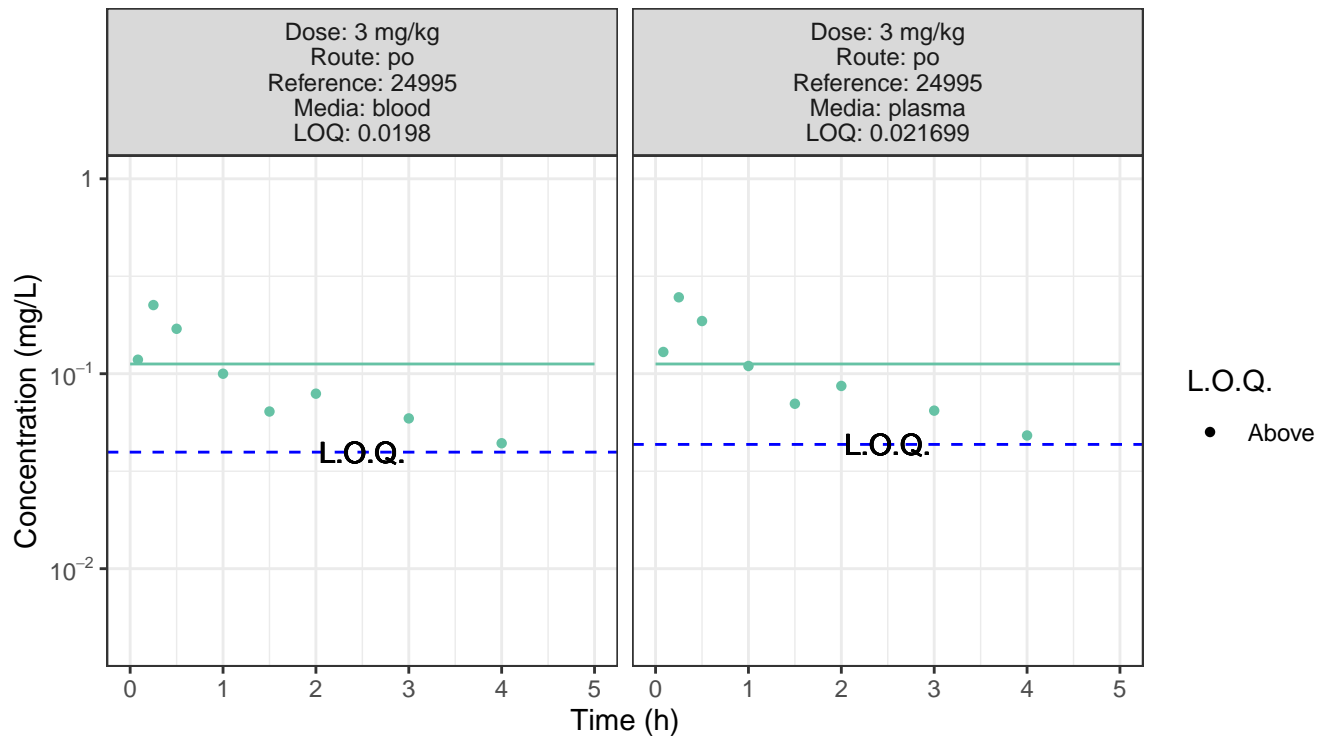


## ciprofloxacin (flat)

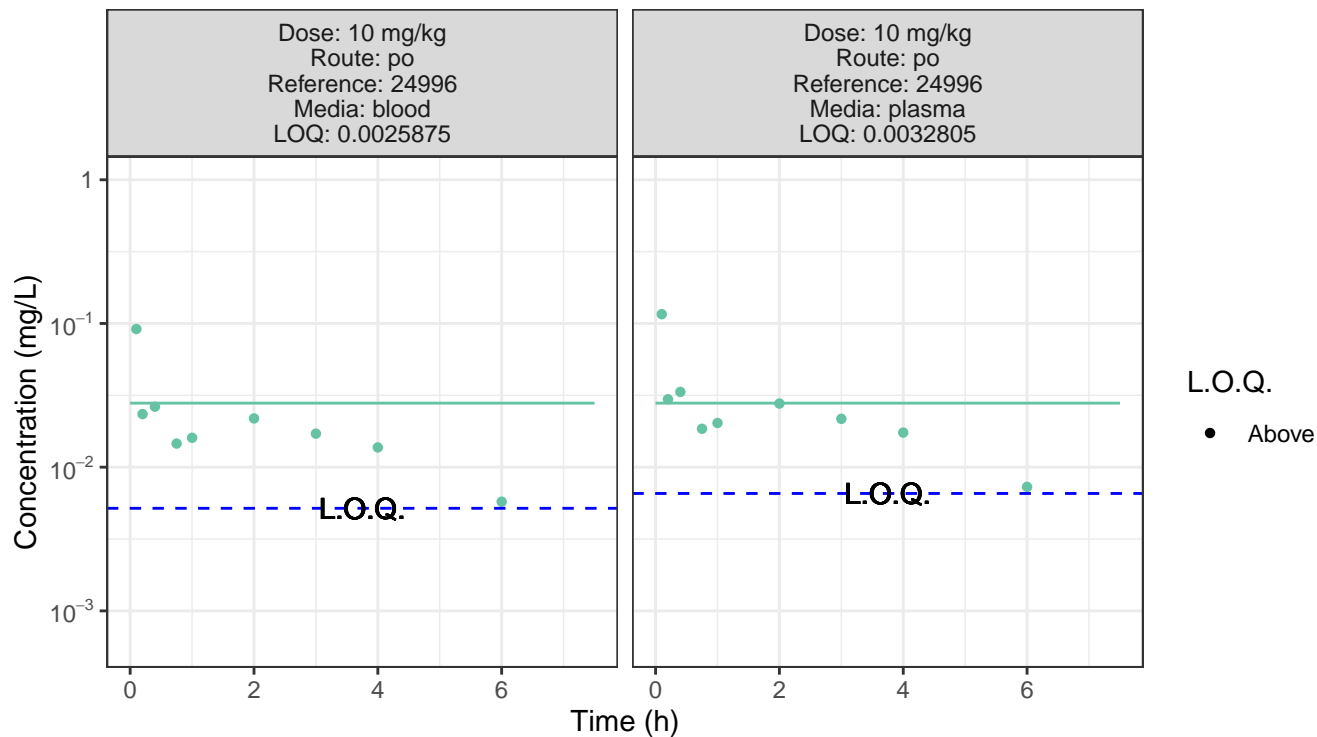




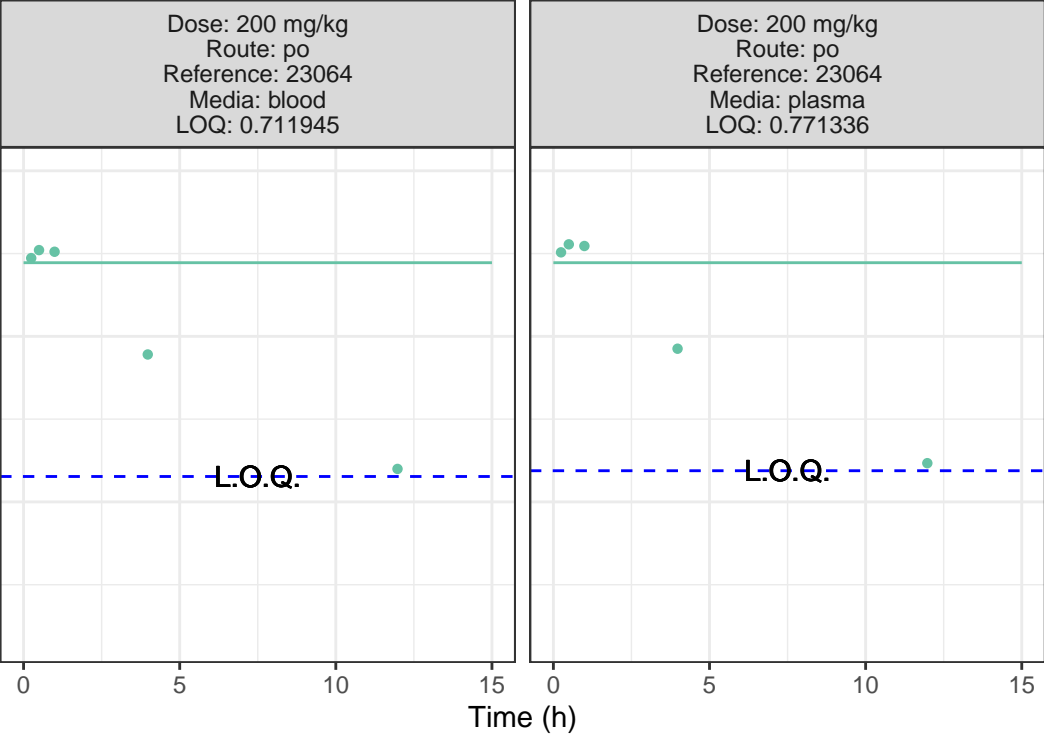
## clonazepam (flat)



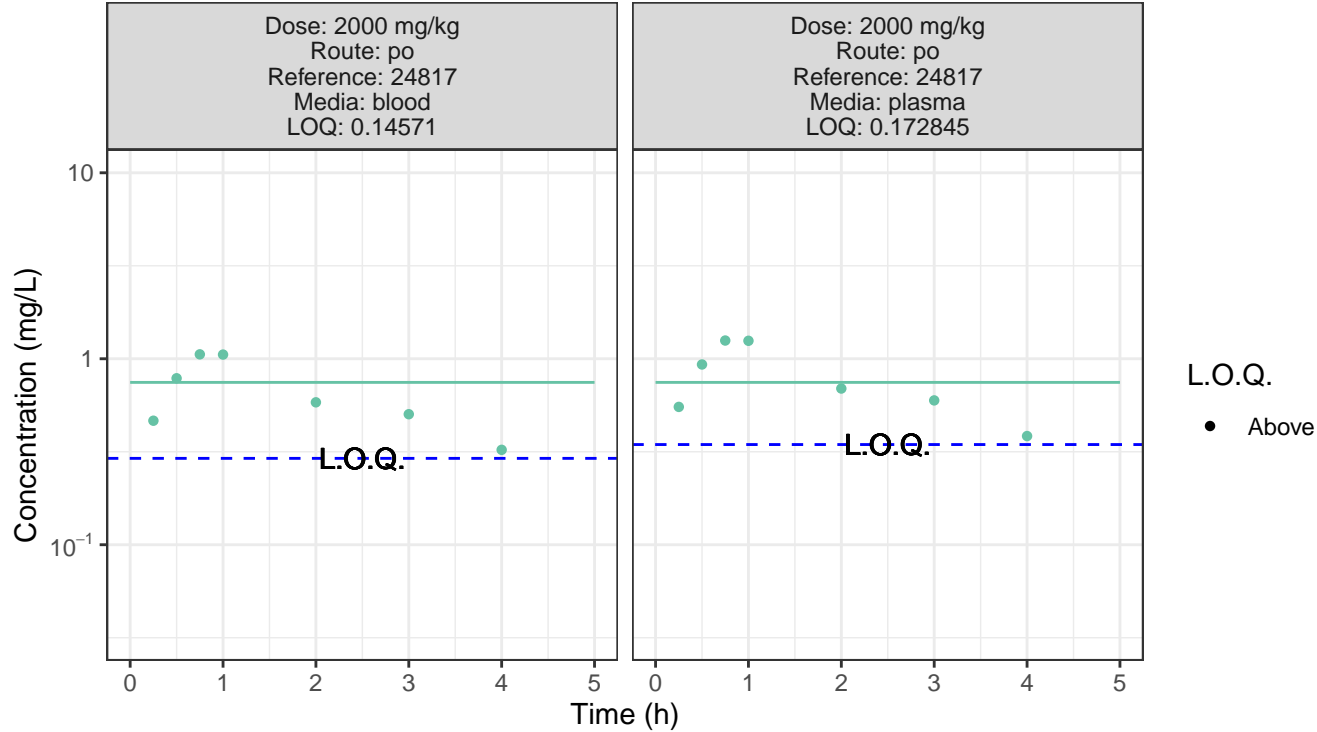
## codeine (flat)



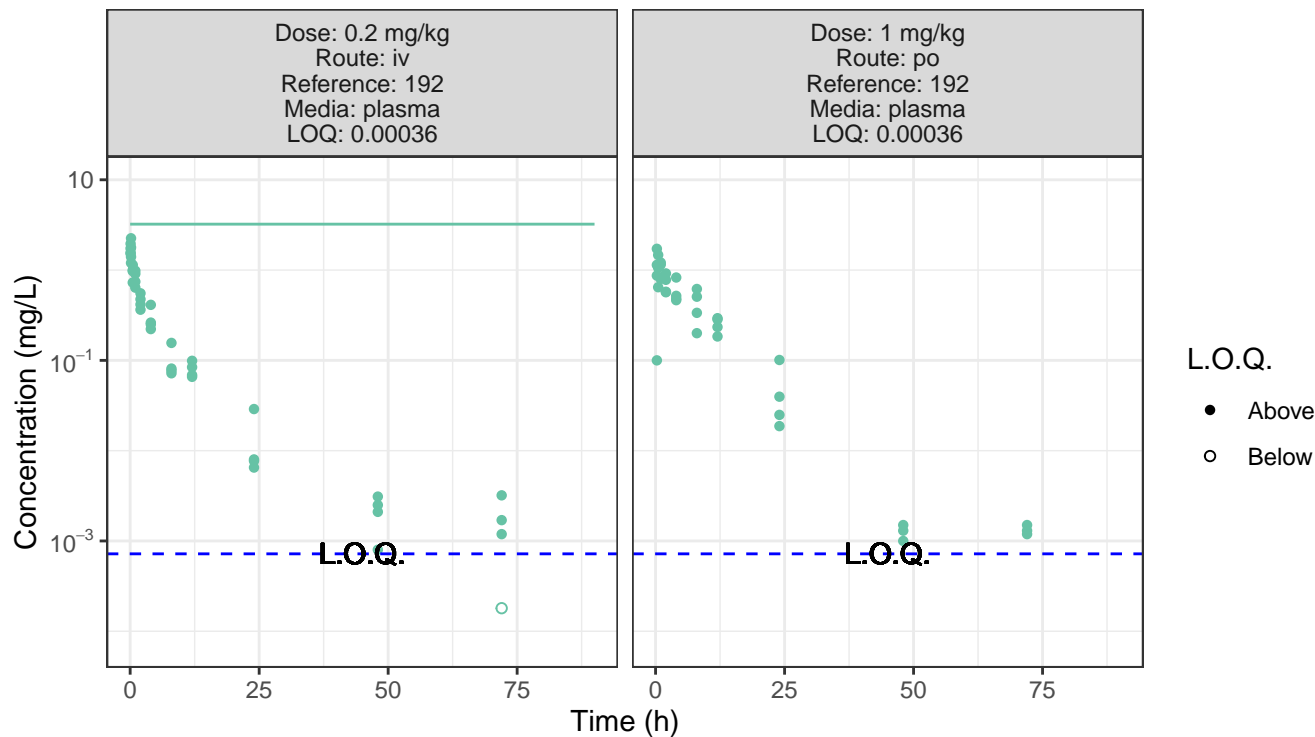
coumarin (flat)



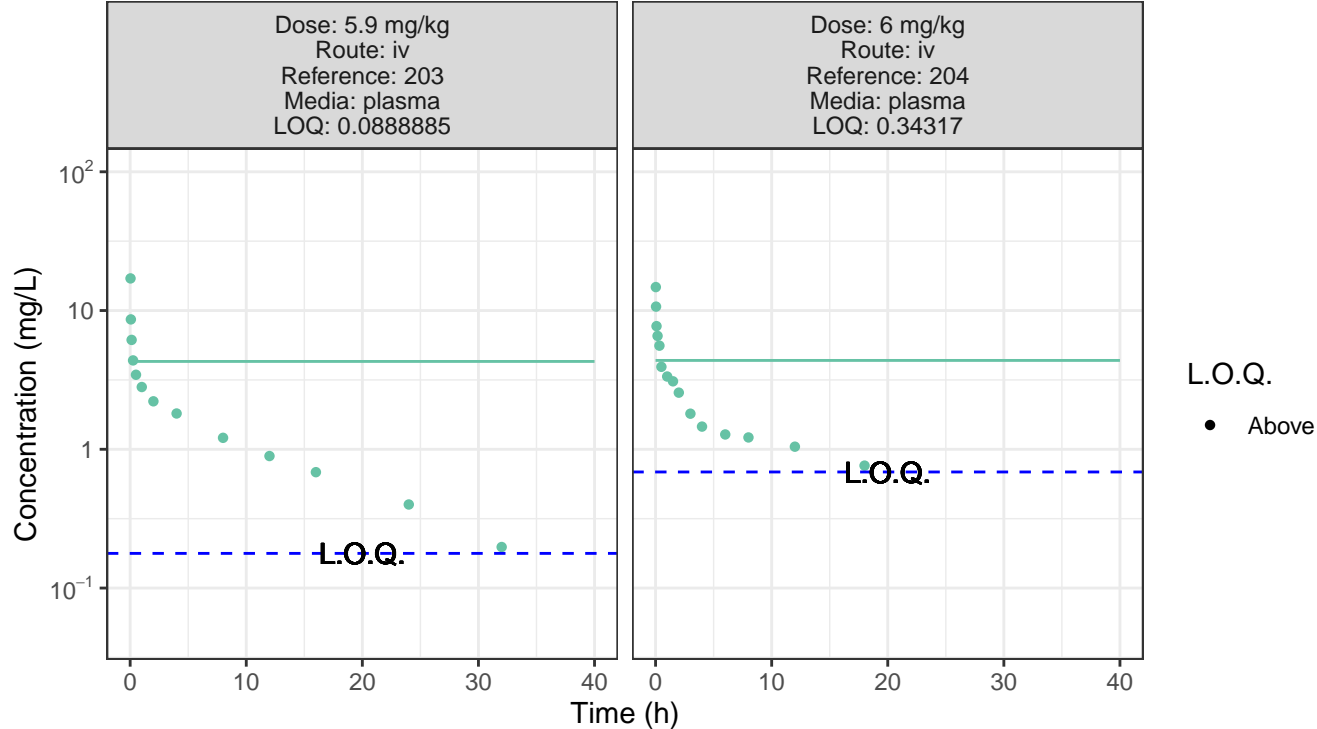
curcumin (flat)



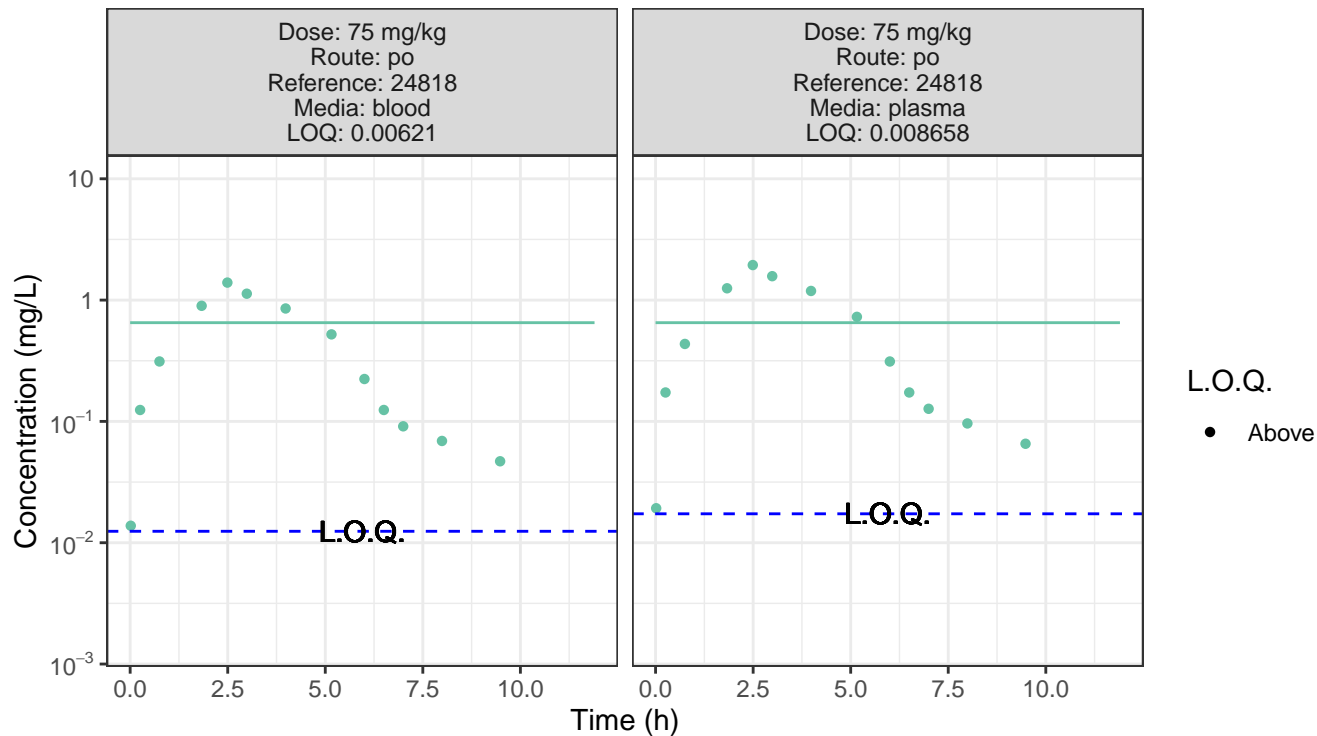
## cyclanilide (flat)



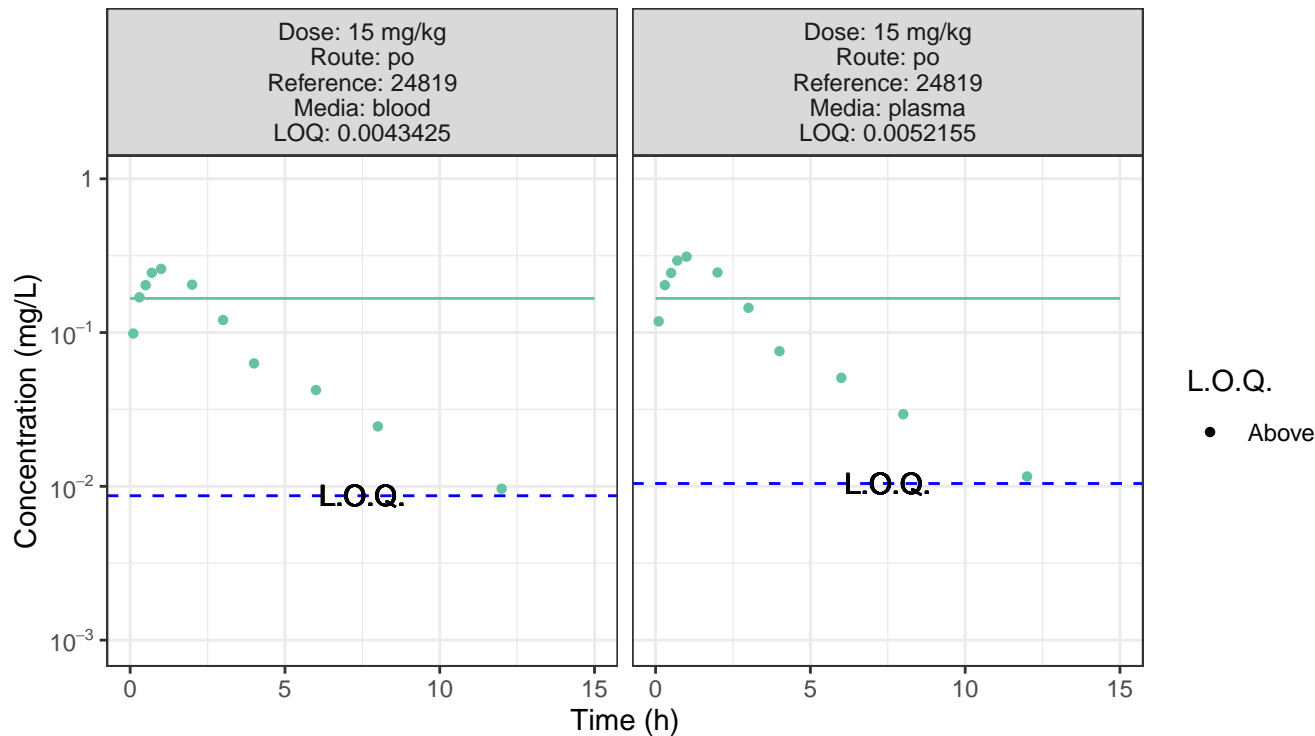
cyclosporin a (flat)



## d-carnosine (flat)

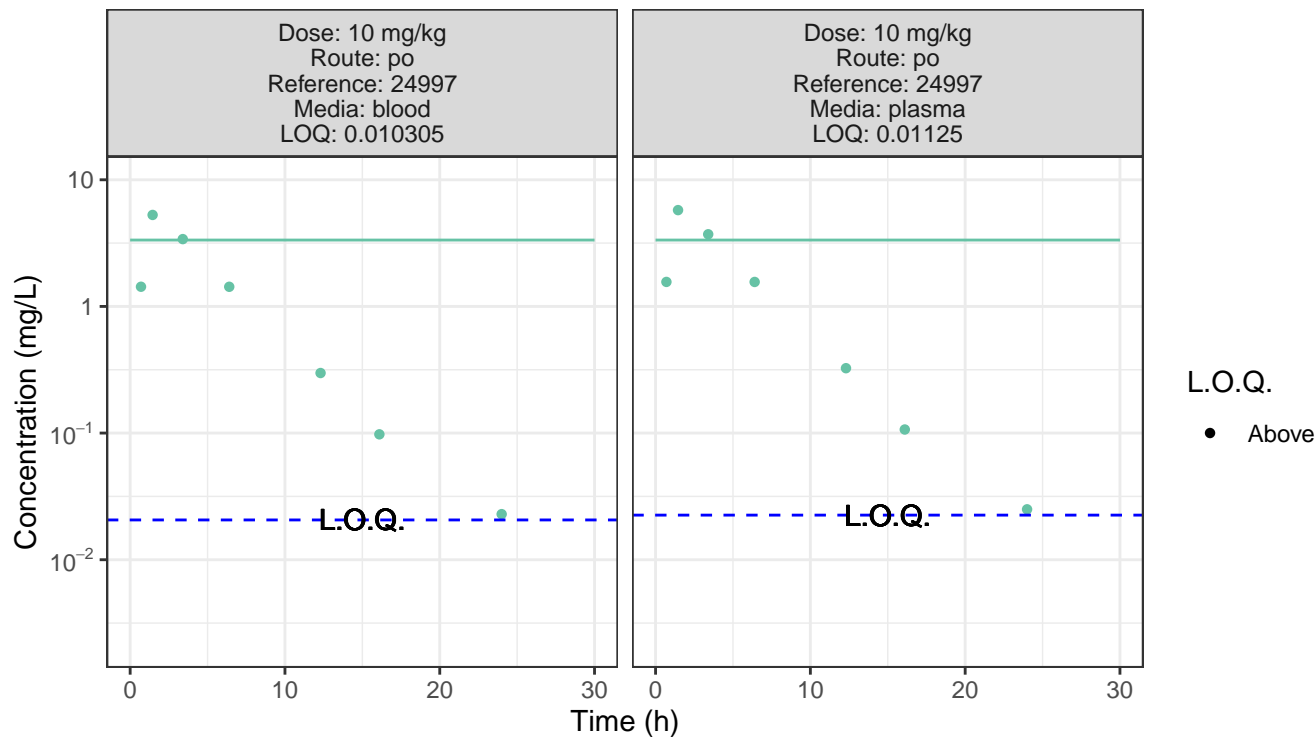


## dabigatran (flat)

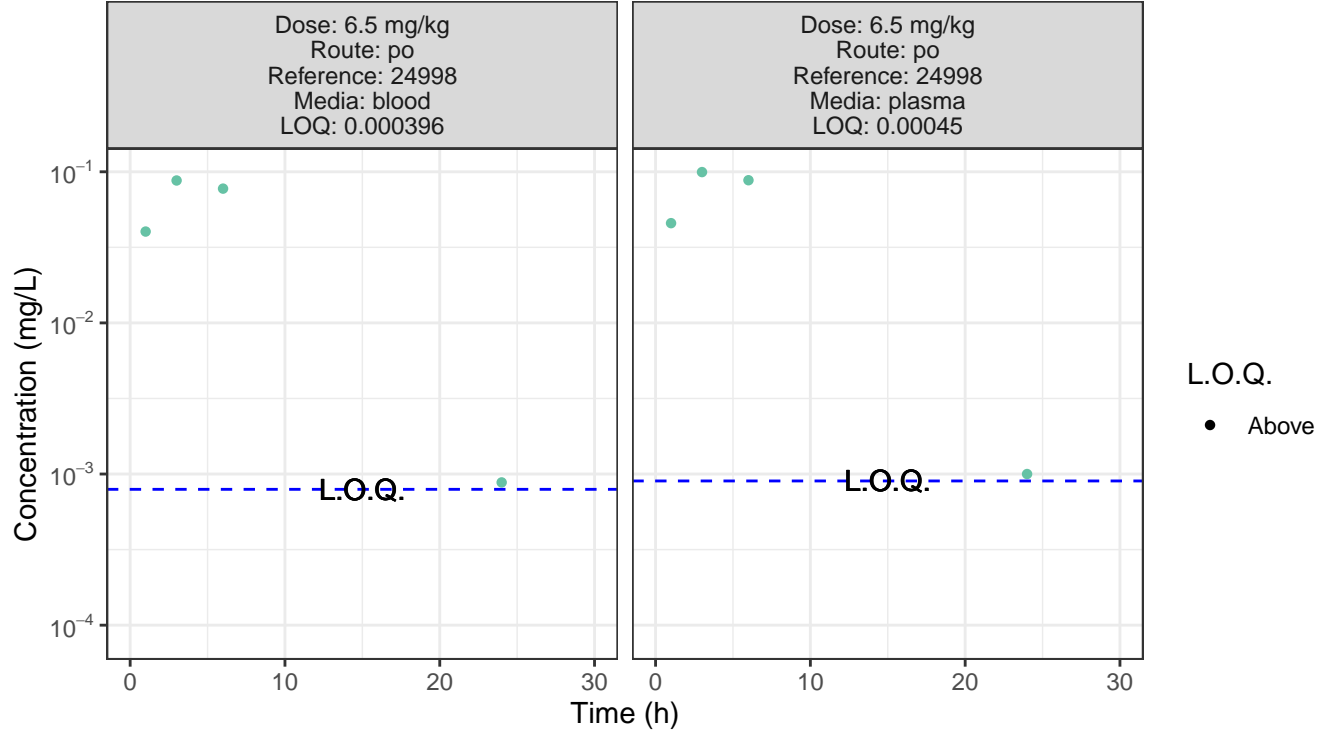




## darolutamide (flat)

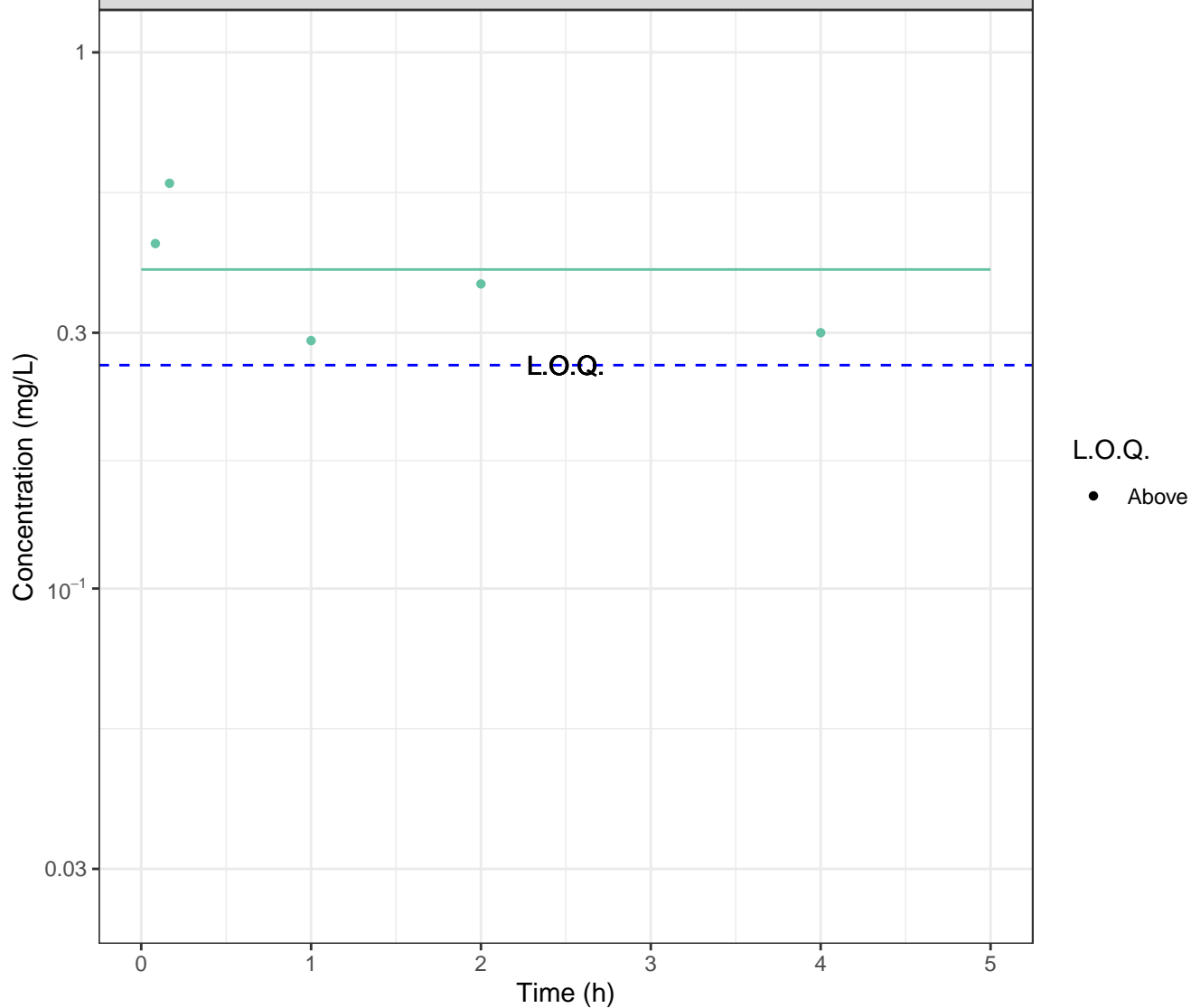


desloratadine (flat)

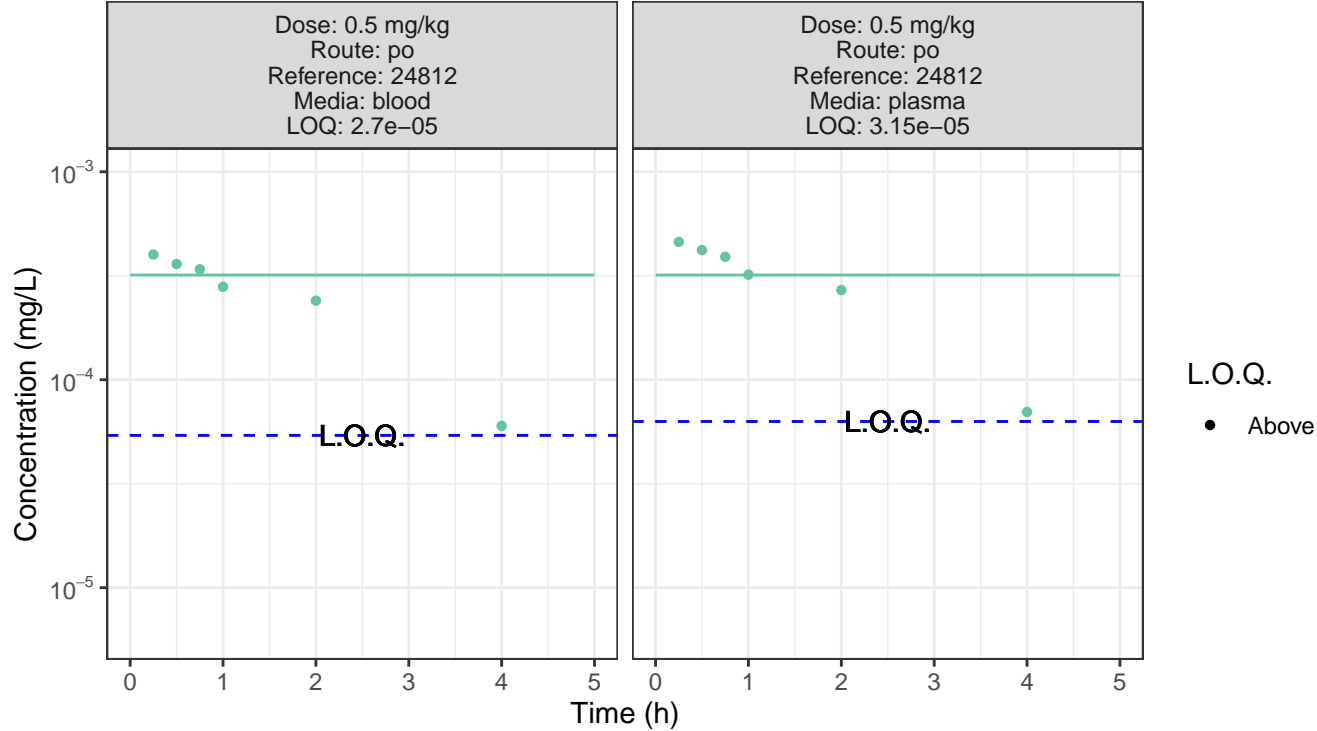


# desmethyylimipramine (flat)

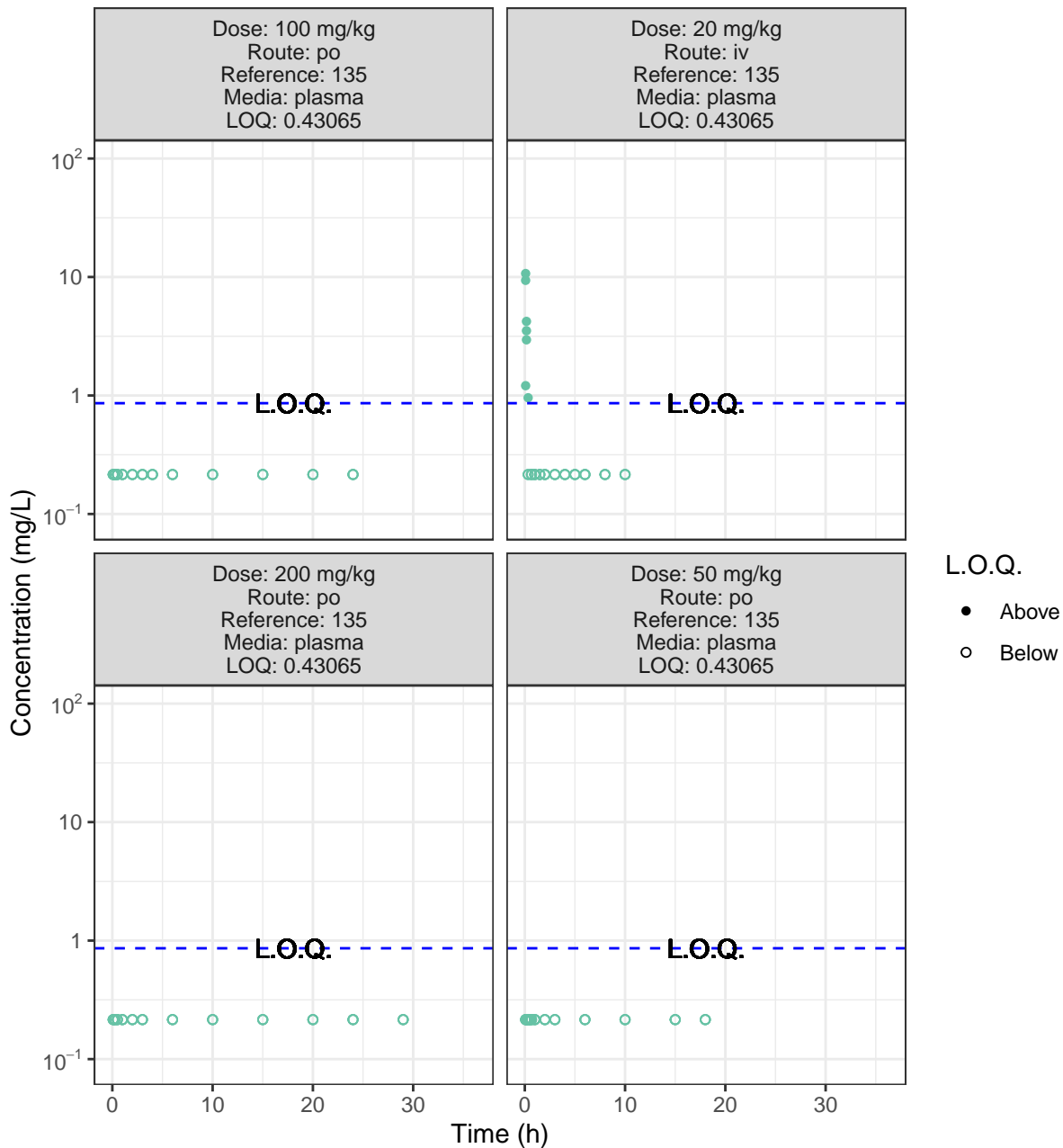
Dose: 10 mg/kg  
Route: iv  
Reference: 212  
Media: plasma  
LOQ: 0.1304955



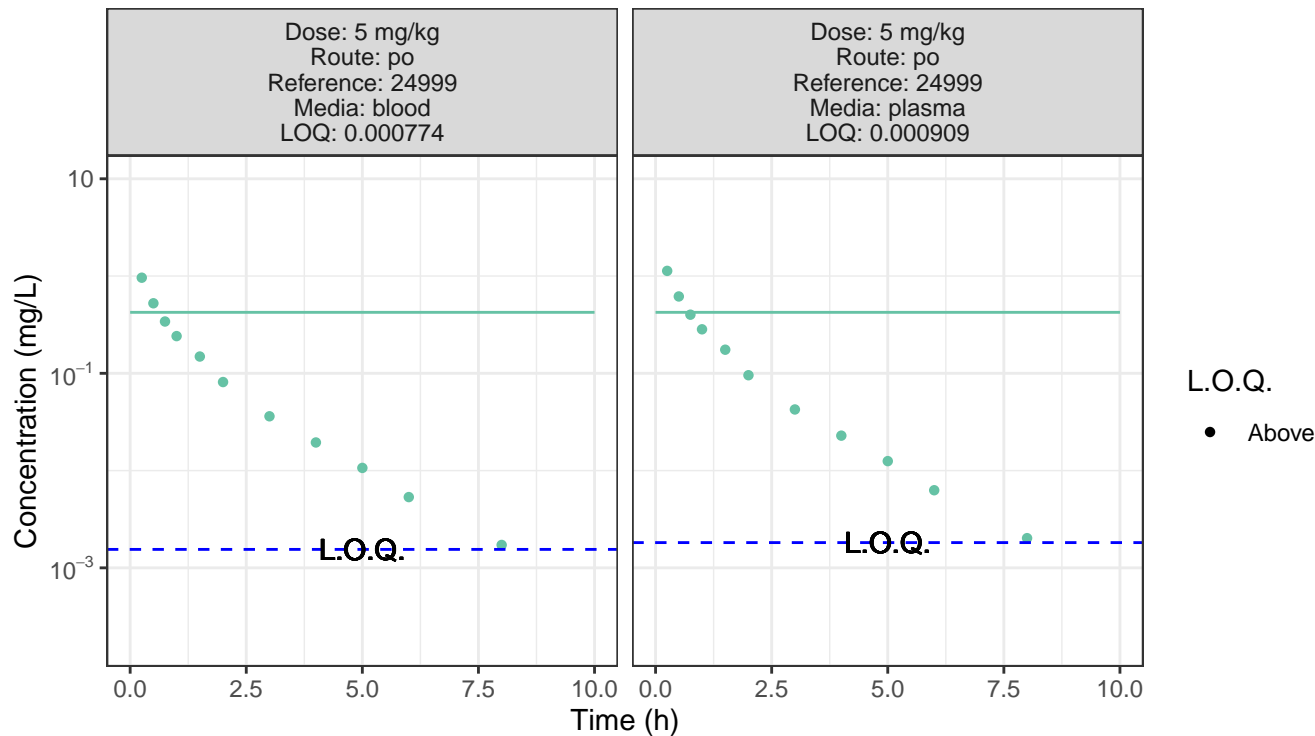
dextromethorphan (flat)



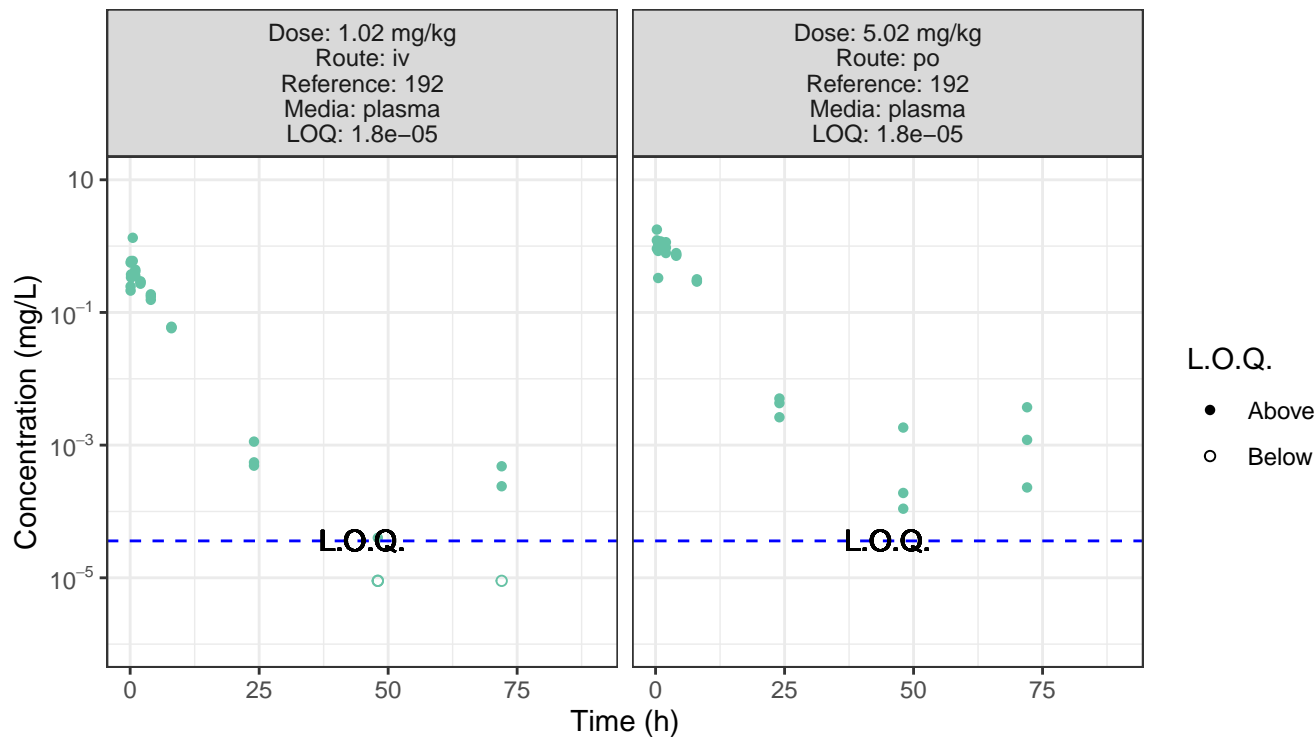
# di-n-butyl phthalate (flat)



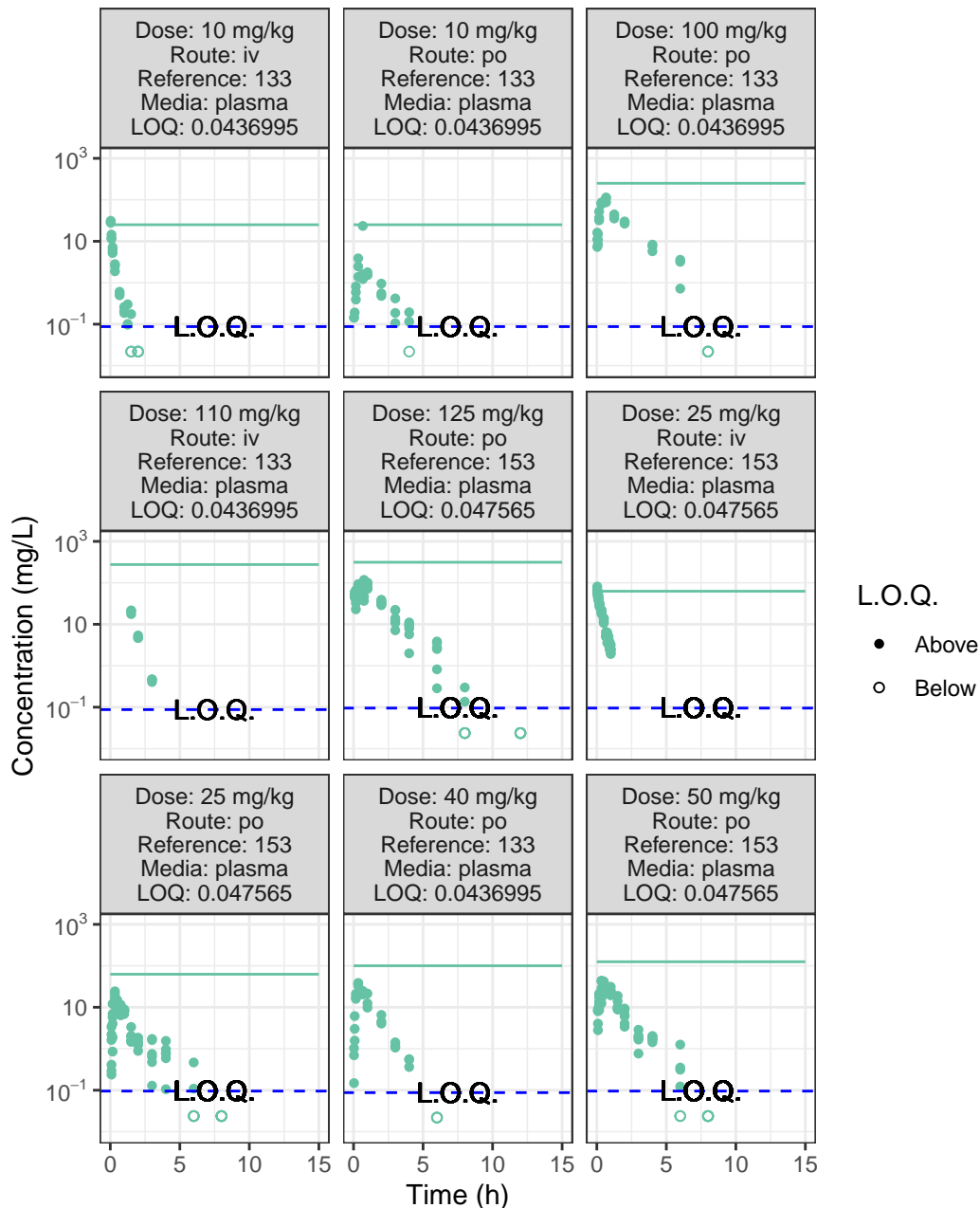
## diazepam (flat)



# diazinon-o-analog (flat)

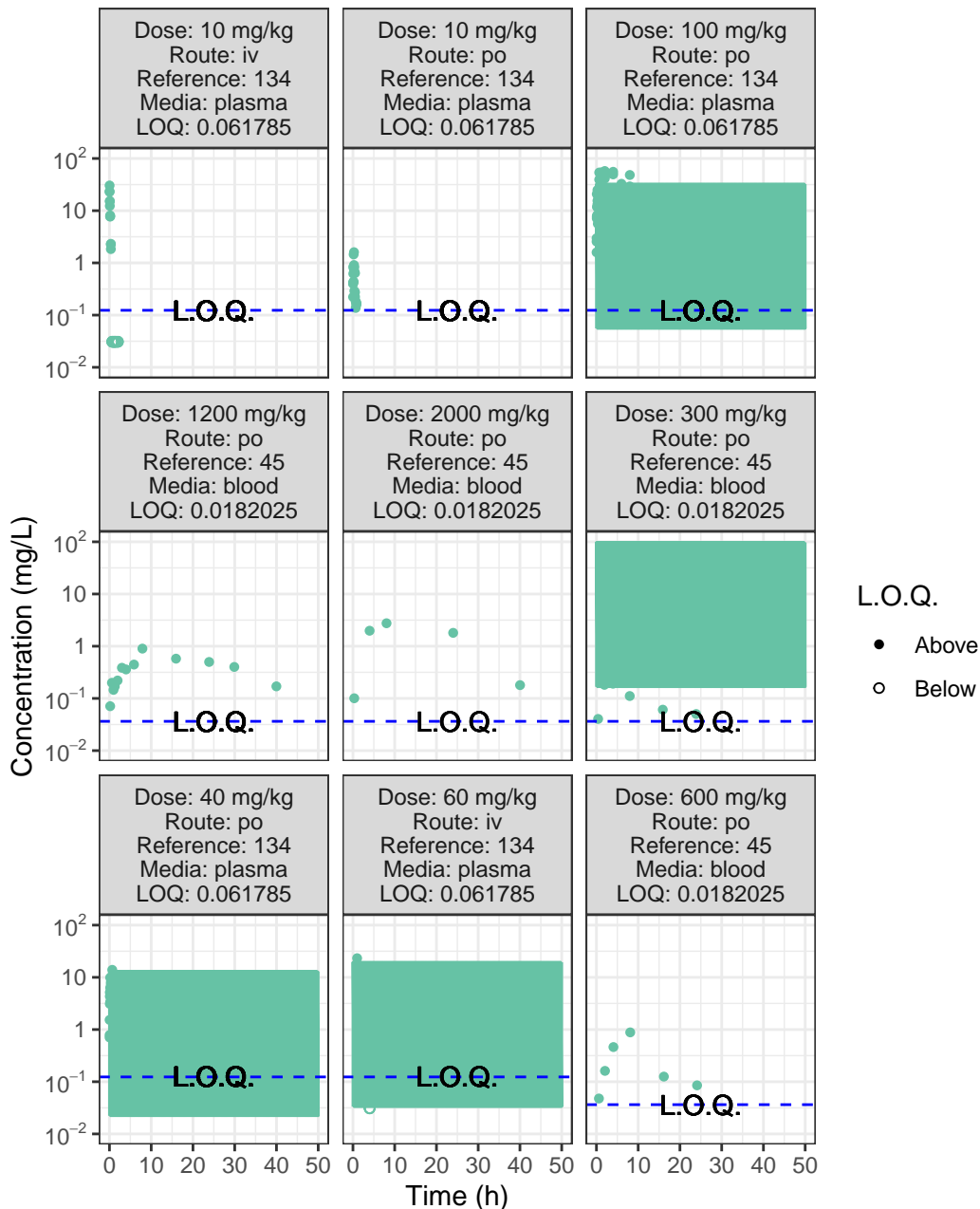


# dibromoacetic acid (flat)

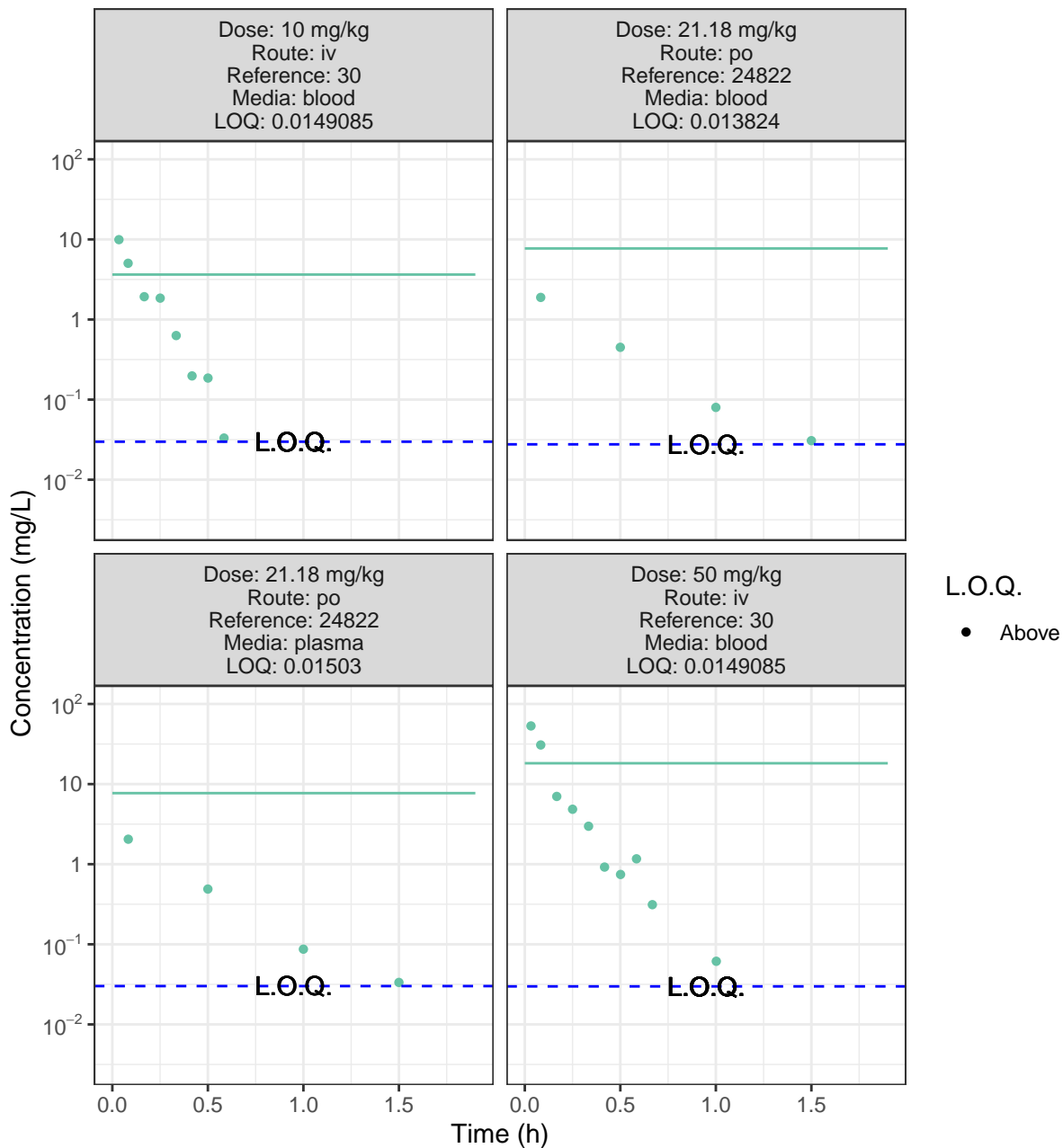




# dichloroacetic acid (flat)



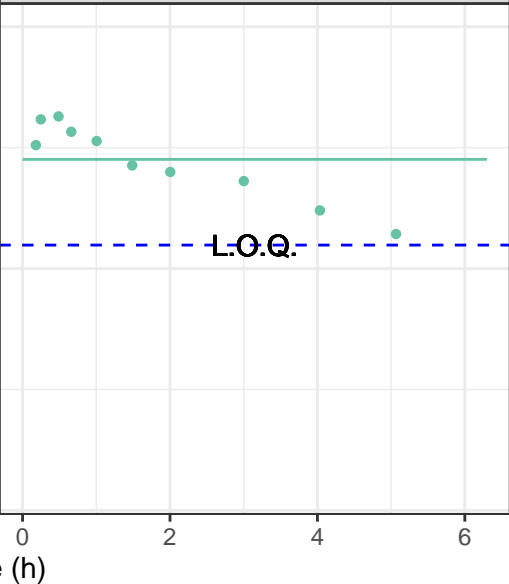
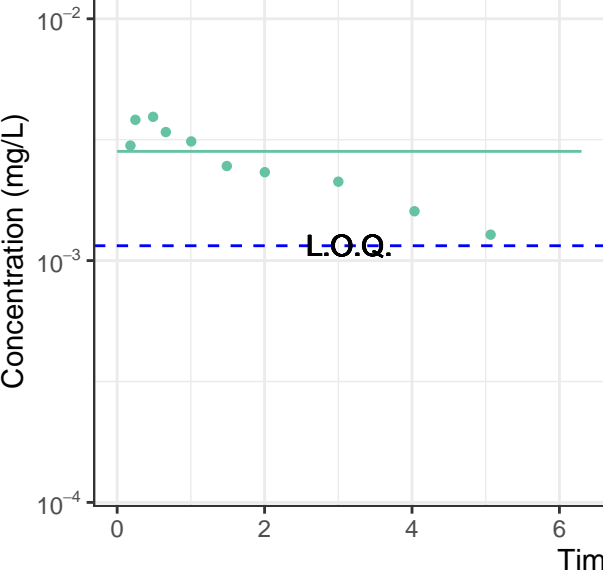
# dichloromethane (flat)



digoxin (flat)

Dose: 0.048 mg/kg  
Route: po  
Reference: 24823  
Media: blood  
LOQ: 0.000576

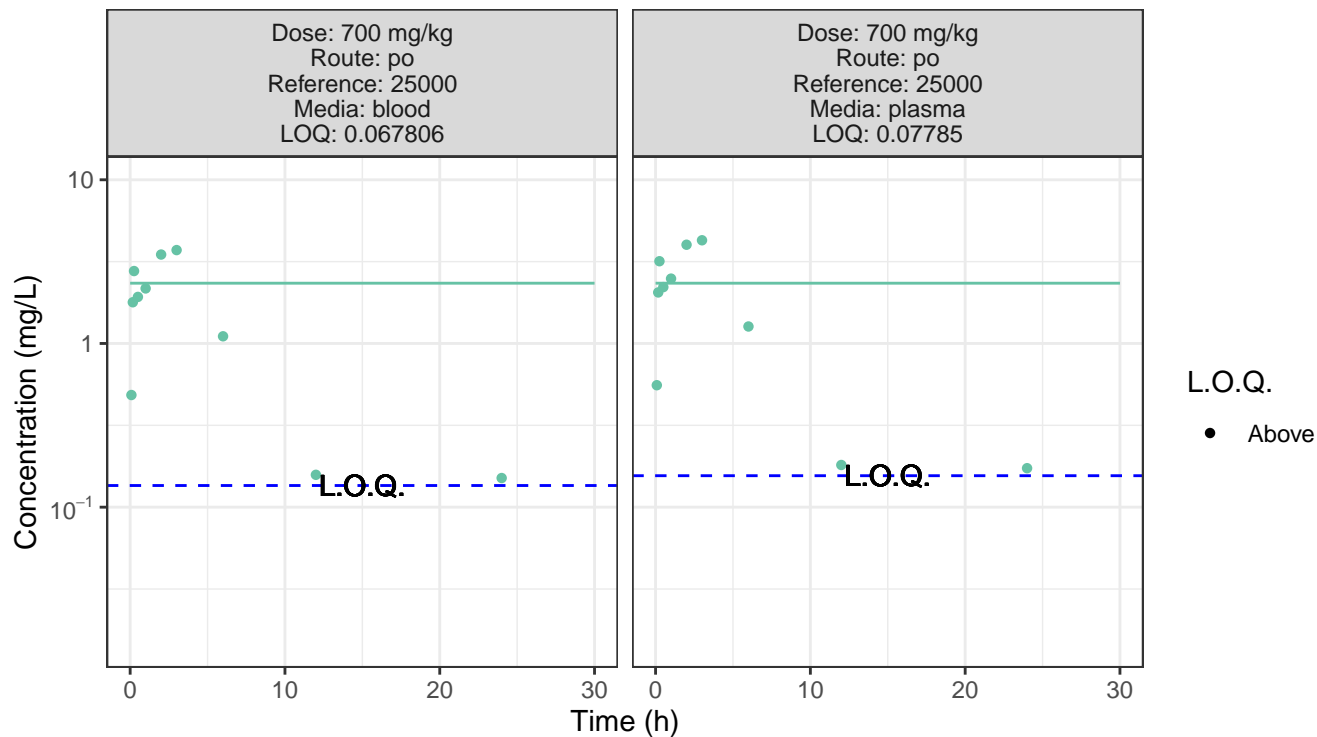
Dose: 0.048 mg/kg  
Route: po  
Reference: 24823  
Media: plasma  
LOQ: 0.0006255



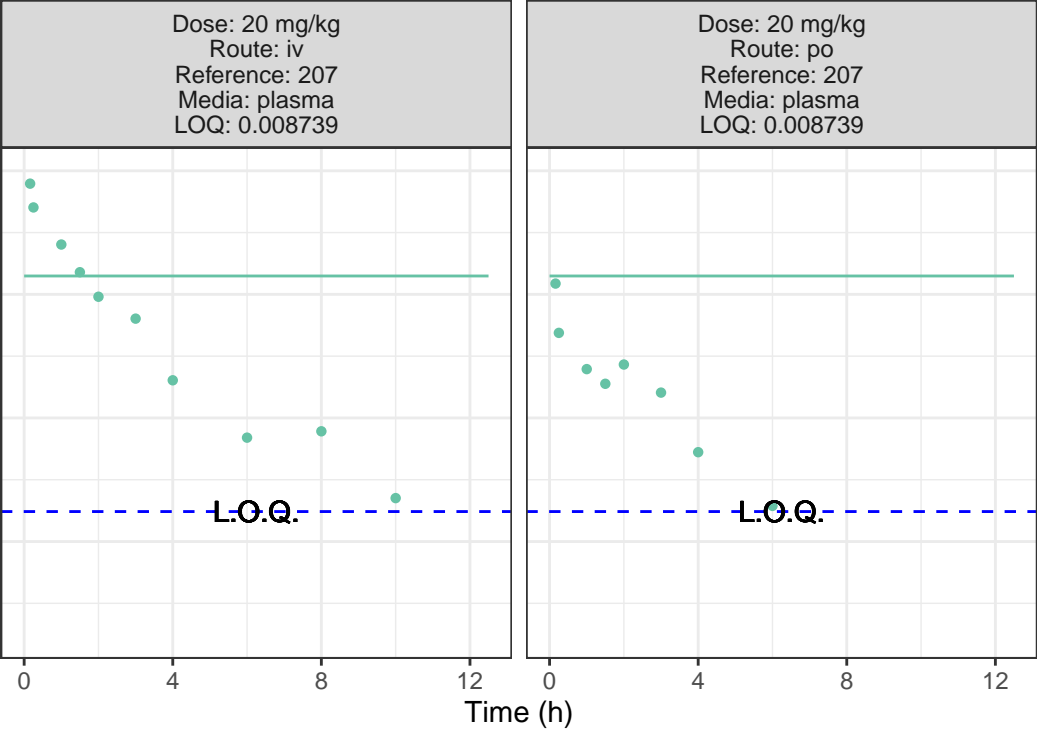
L.O.Q.

• Above

## diisobutyl ketone (flat)

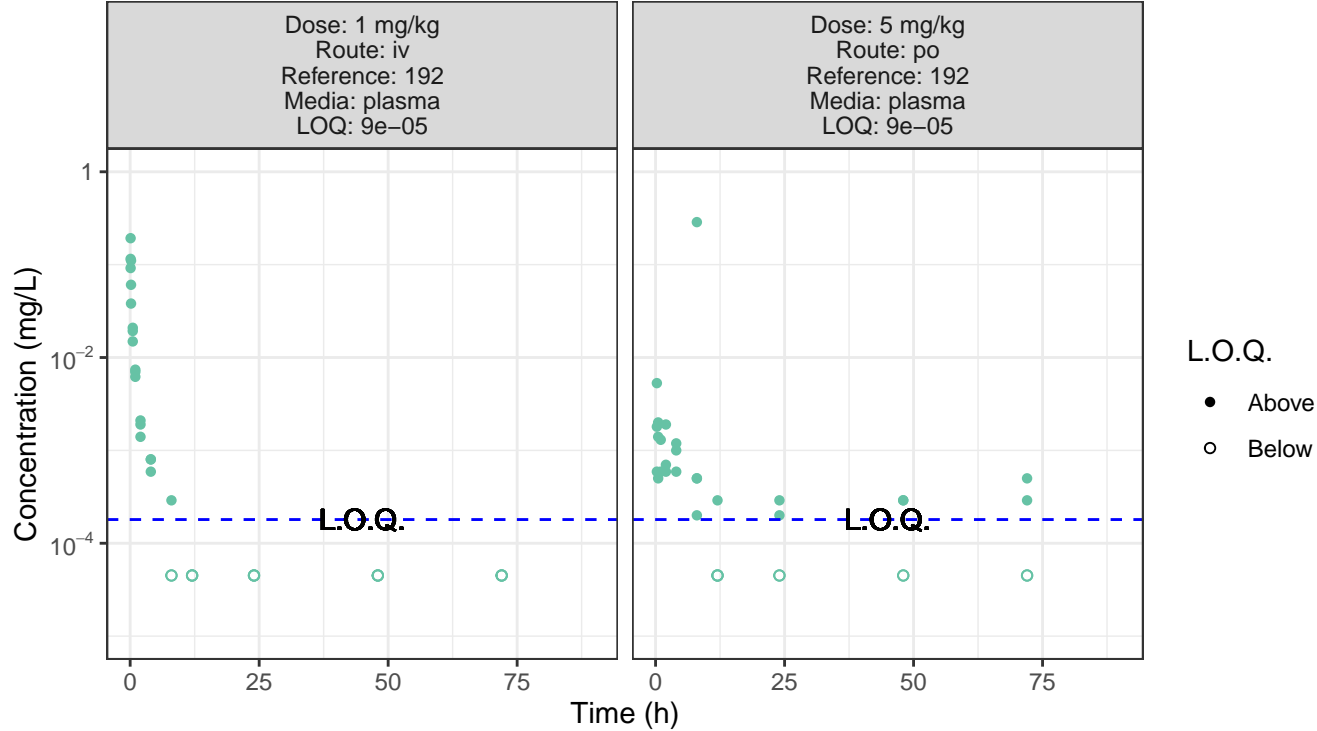


diltiazem (flat)

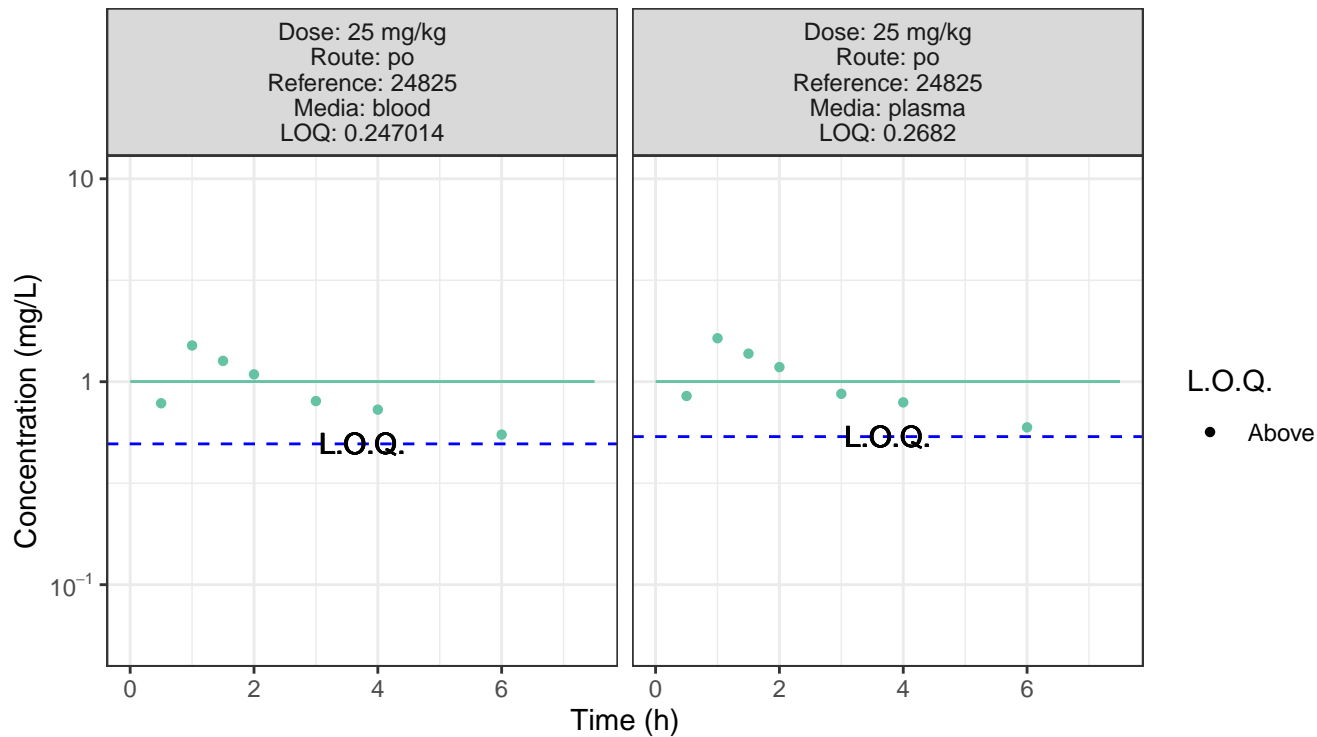


L.O.Q.  
• Above

dimethenamid (flat): Optimizer Failed, No Curve Fit

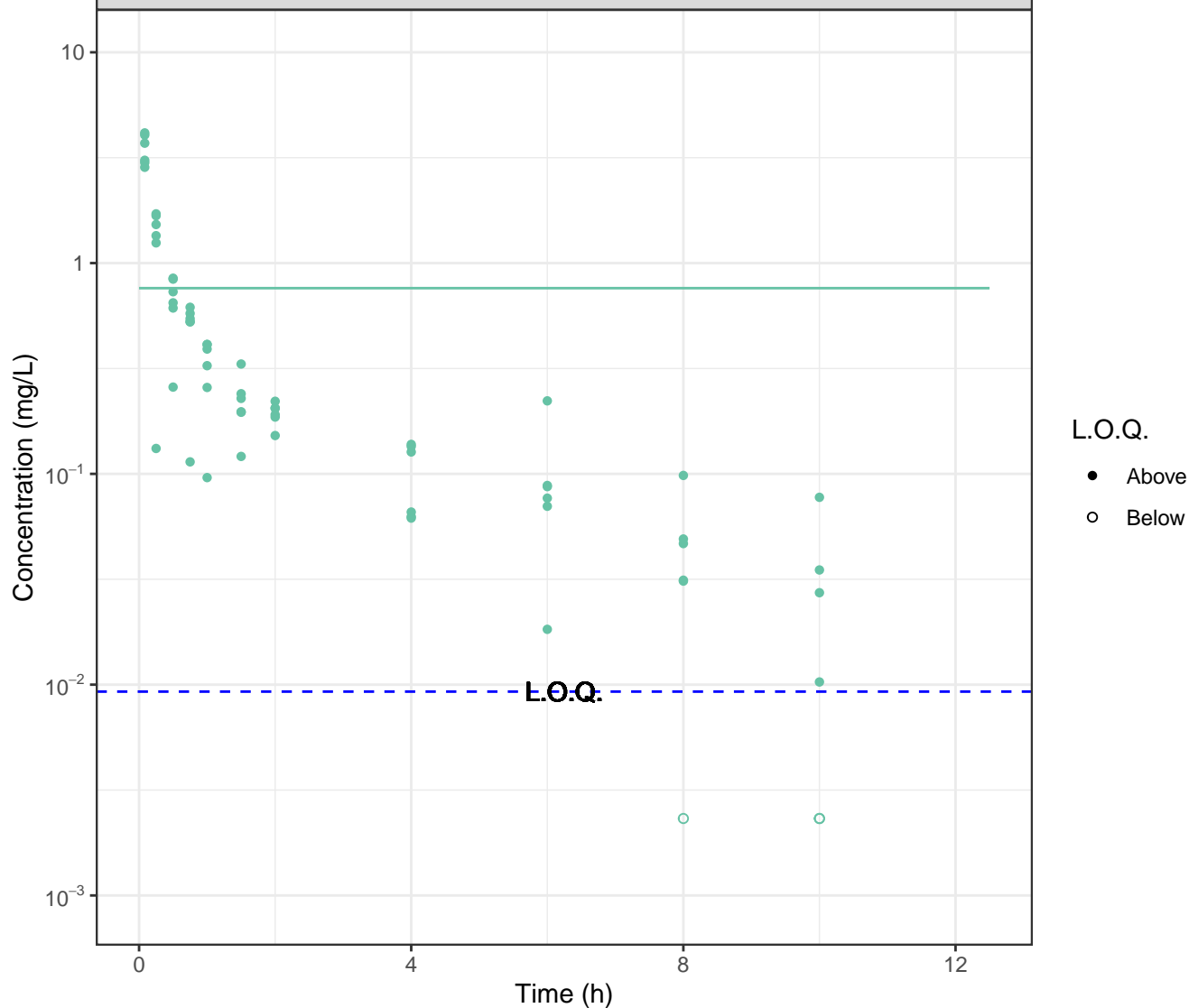


## disopyramide (flat)



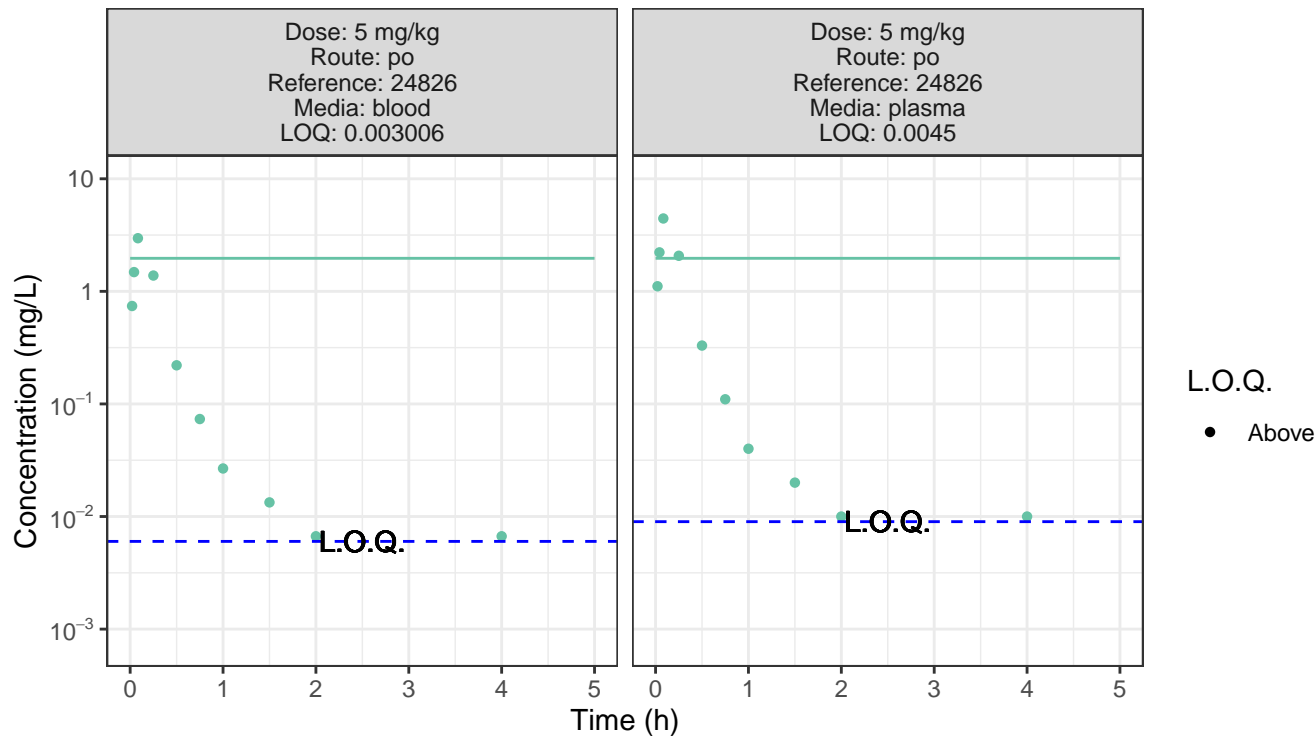
## dl-camphor (flat)

Dose: 6 mg/kg  
Route: iv  
Reference: 165  
Media: plasma  
LOQ: 0.004635

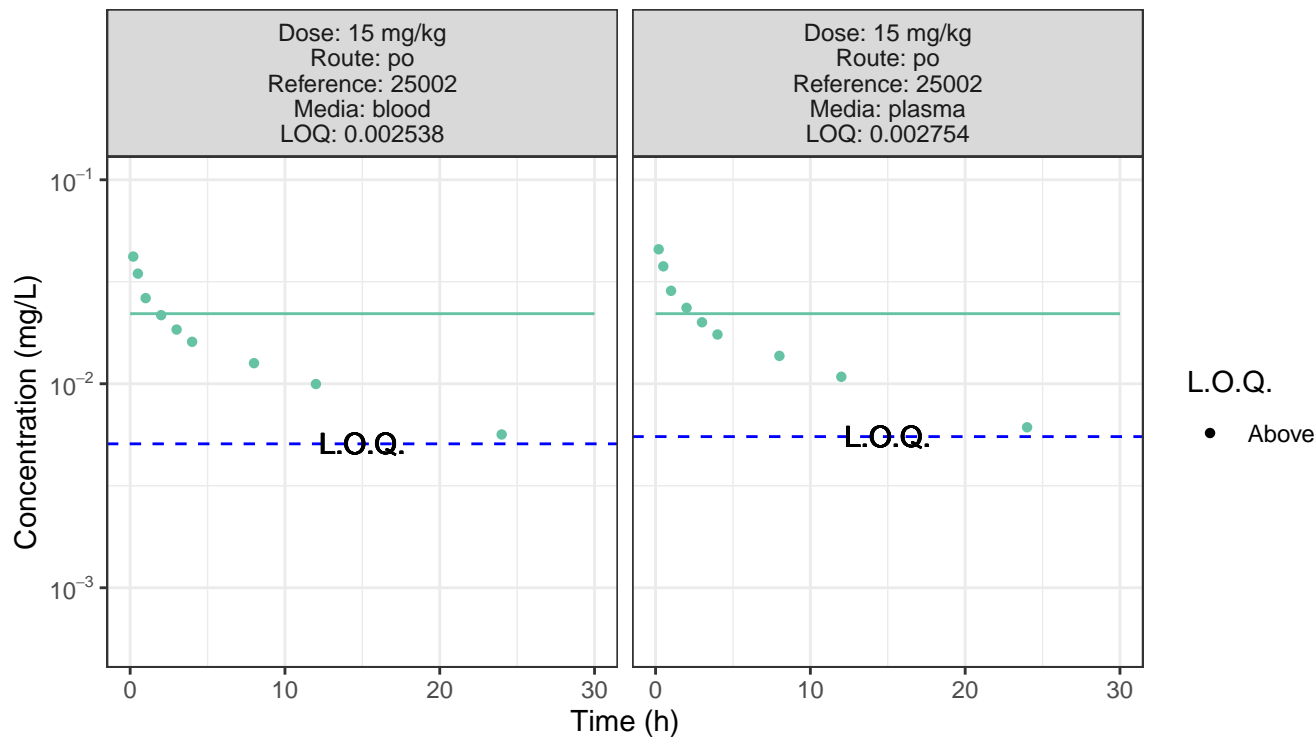




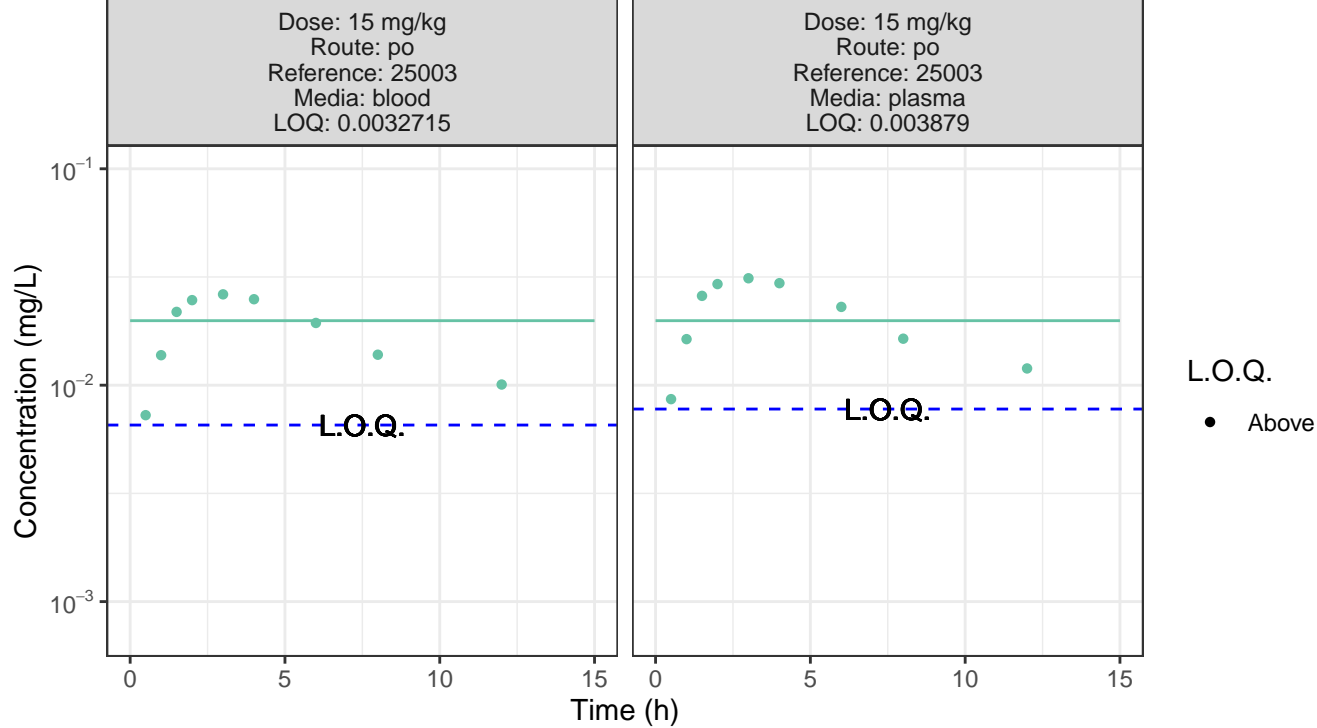
## domitroban (flat)



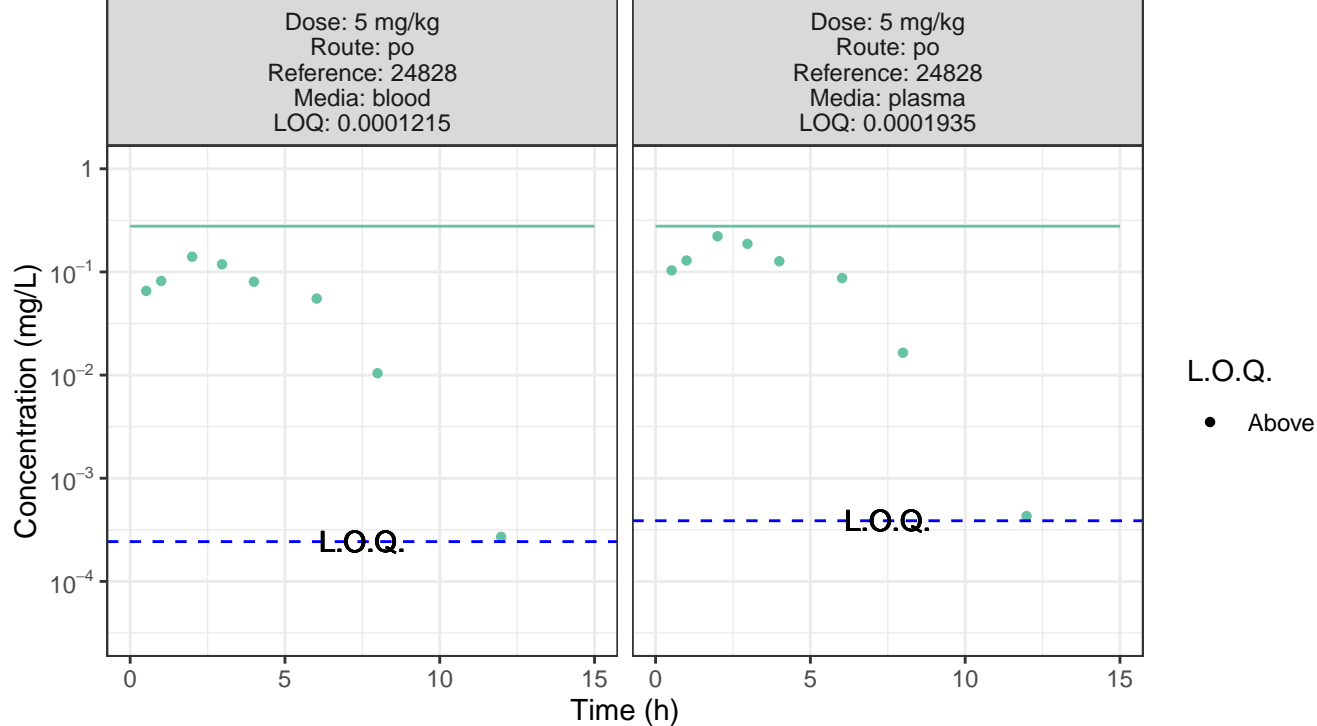
## doxorubicin (flat)



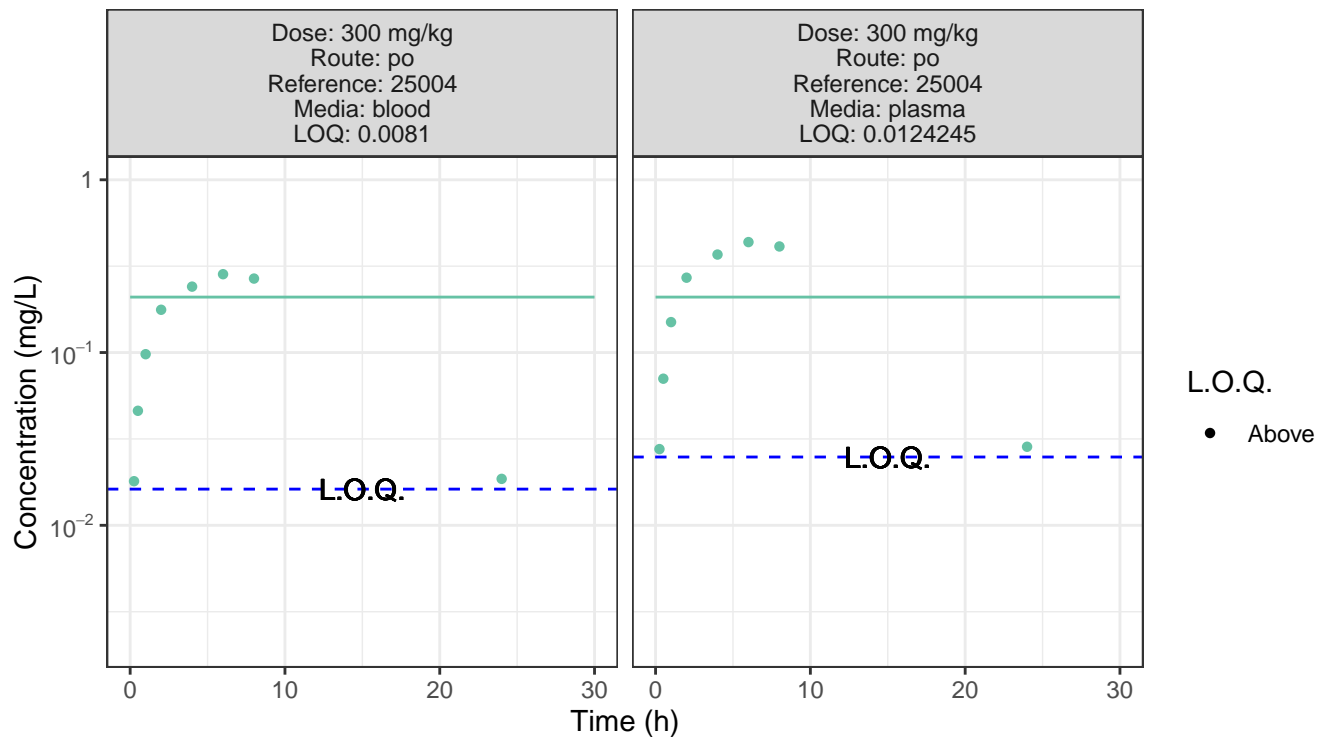
duloxetine (flat)



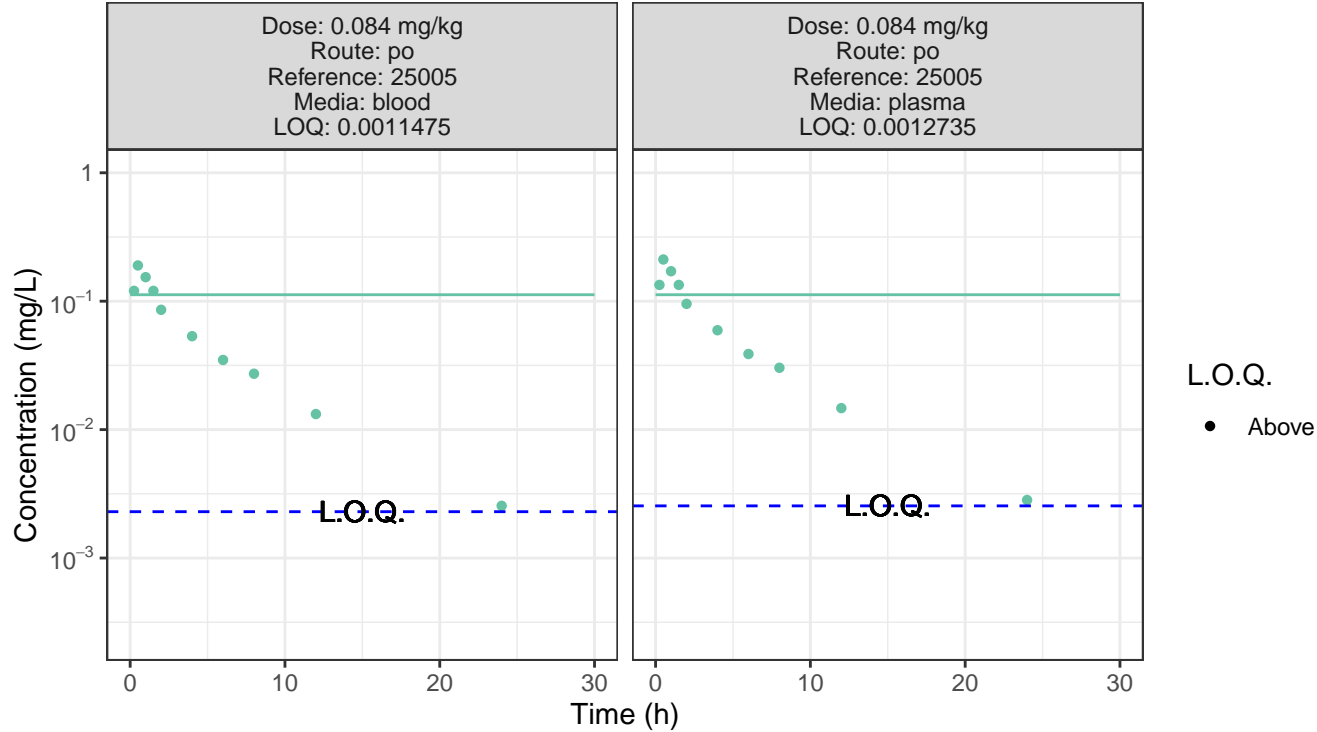
efonidipine (flat)



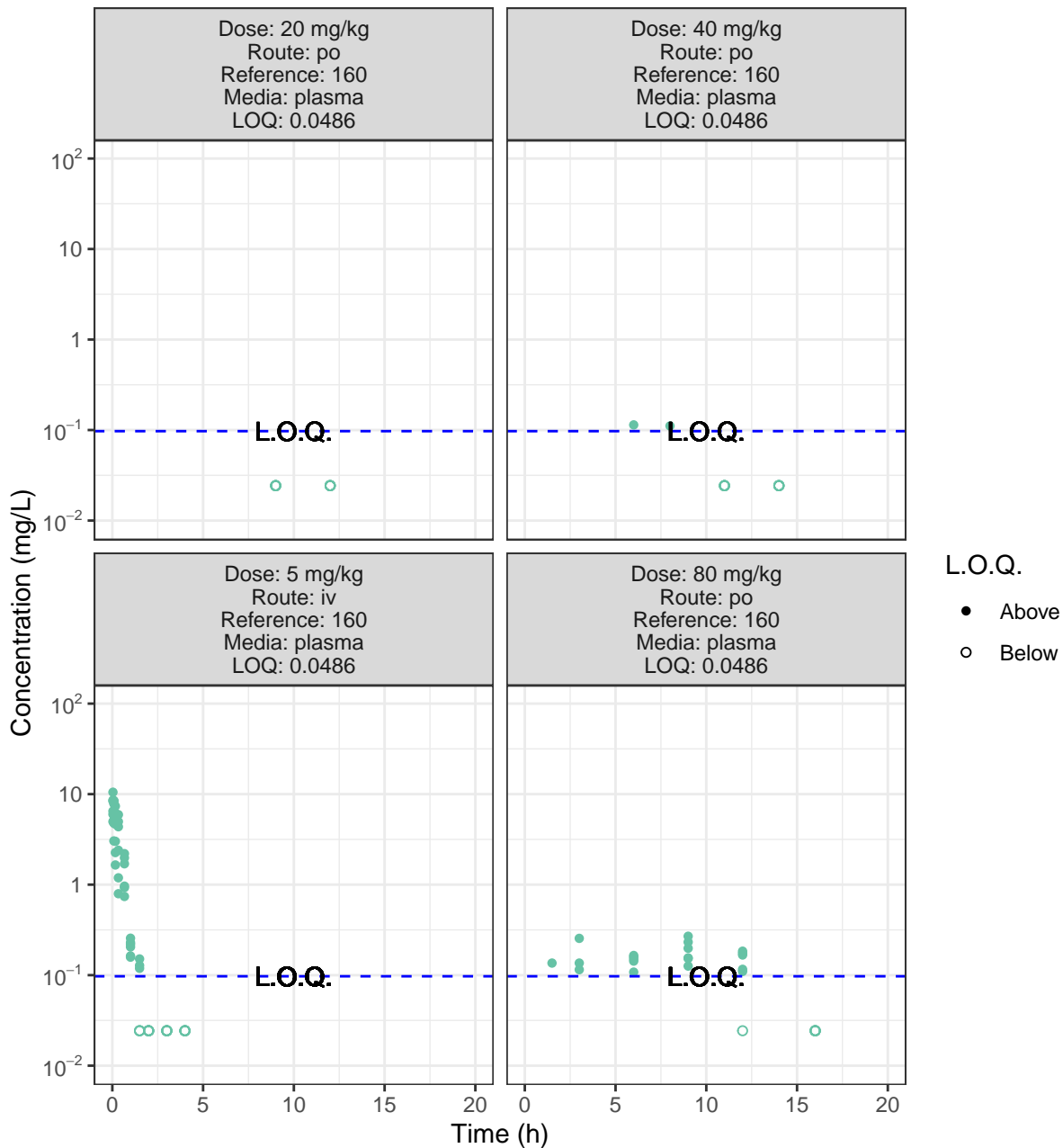
## elbasvir (flat)



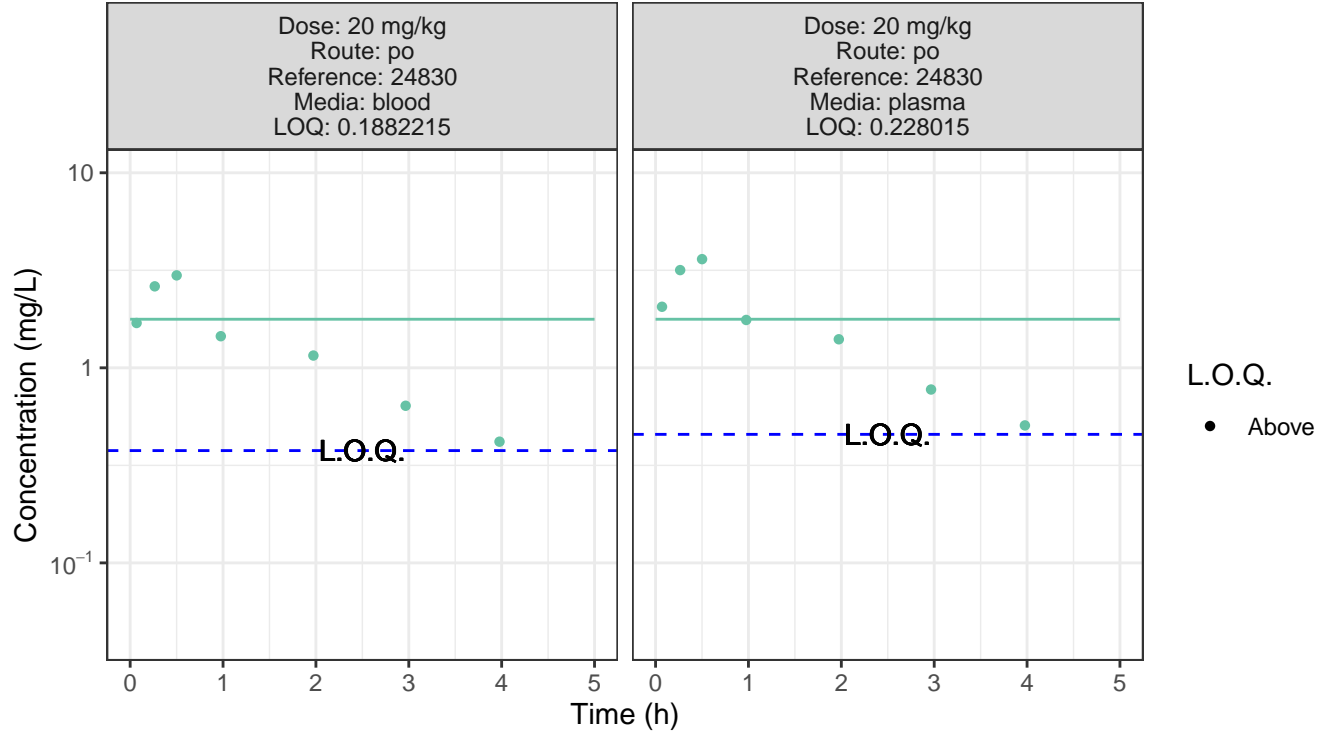
ellagic acid (flat)



# emodin (flat)

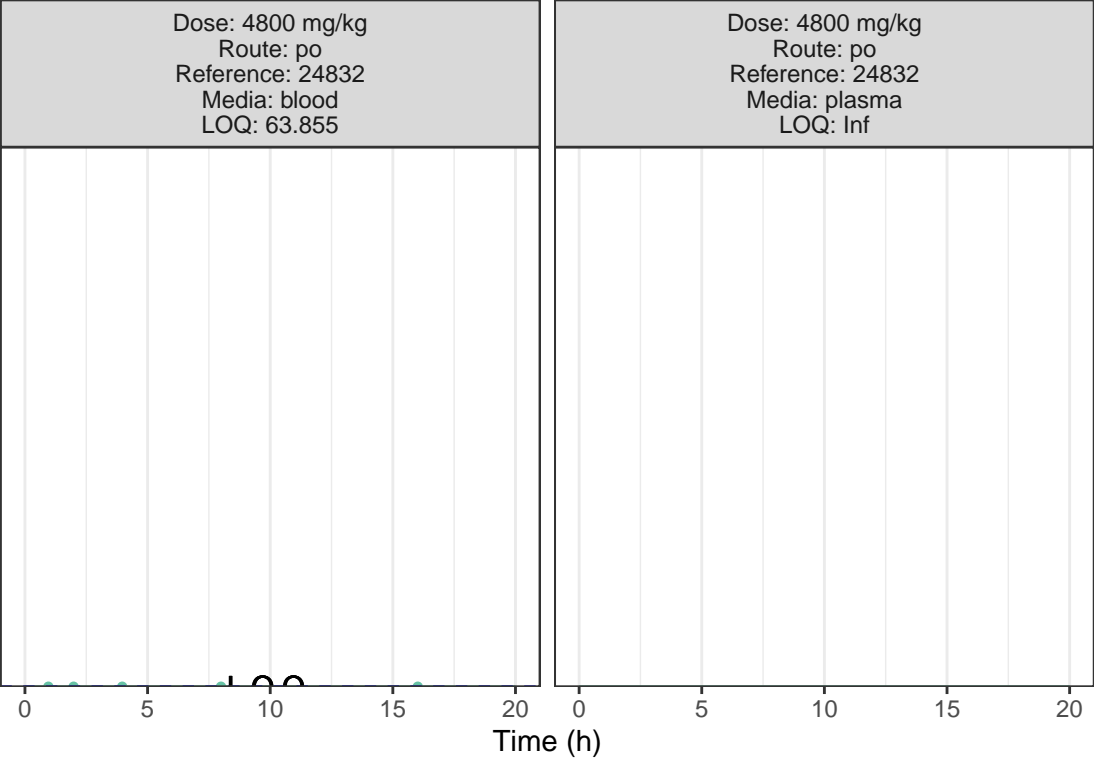


enoxacin (flat)

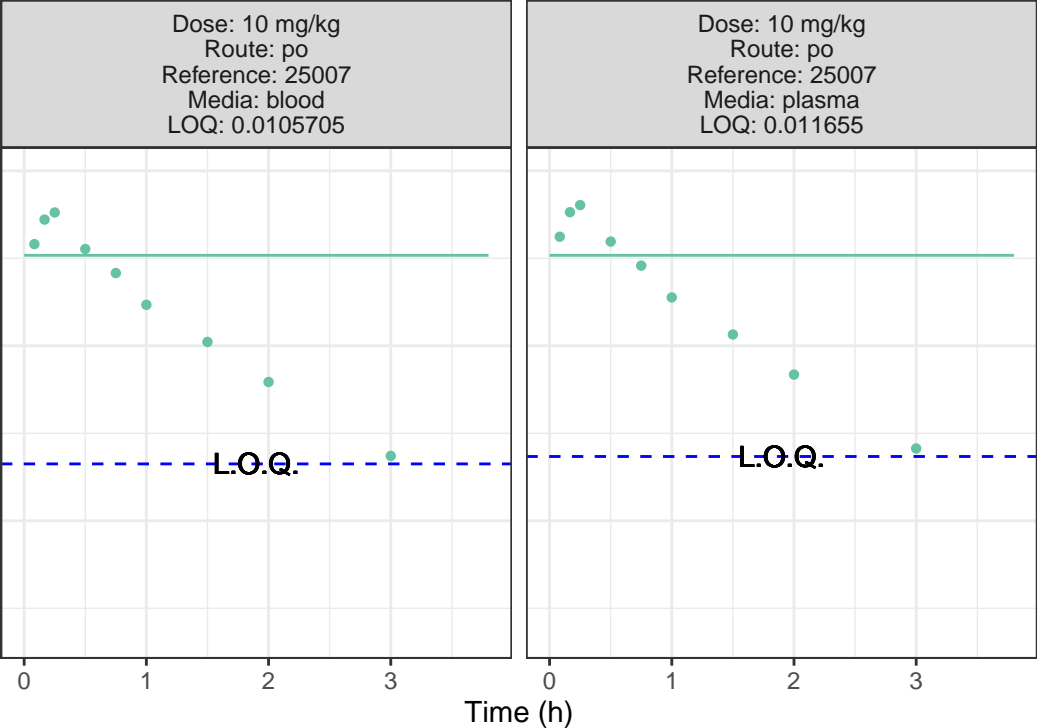




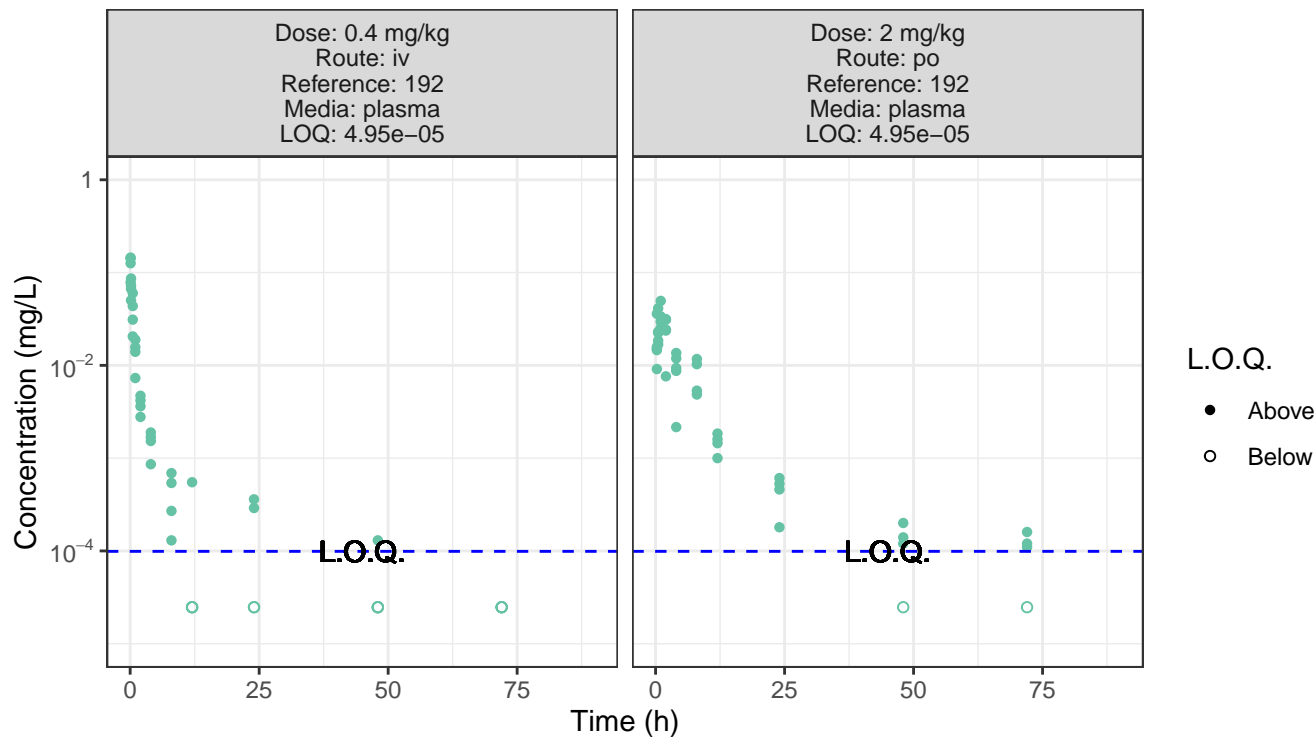
ethanol (flat)



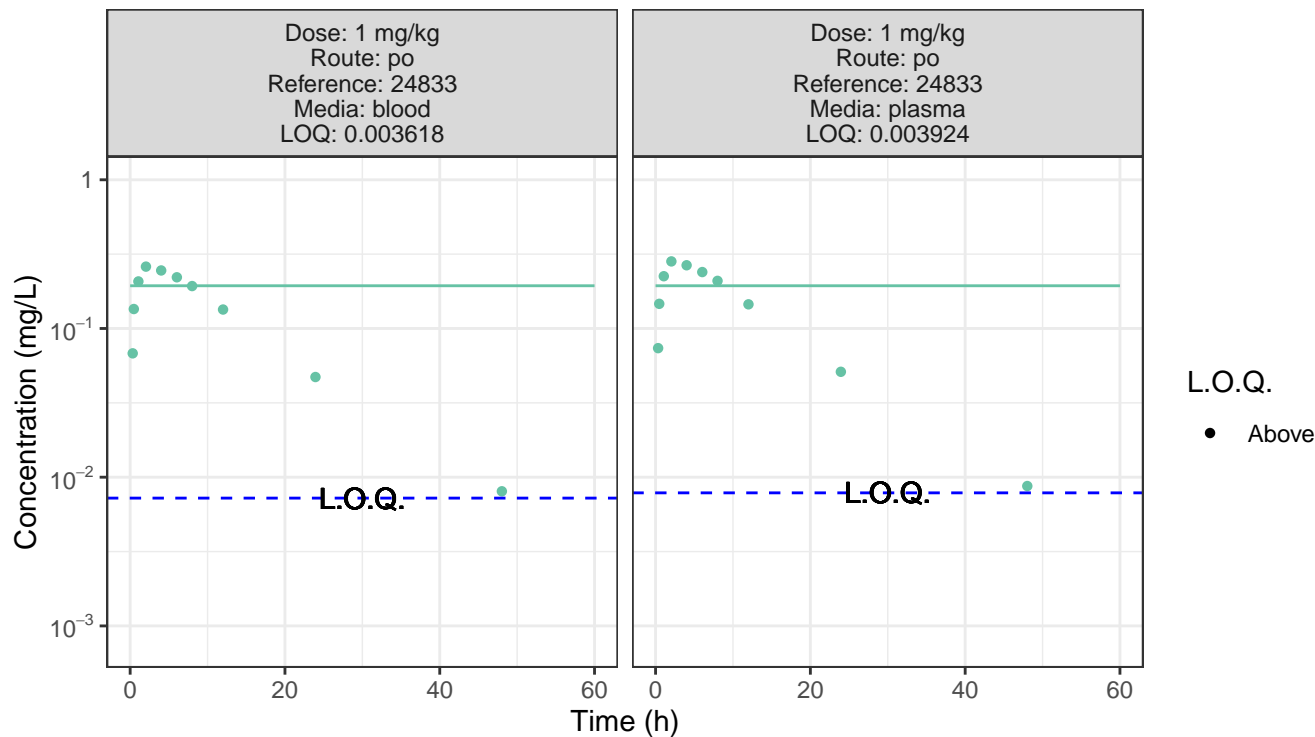
etizolam (flat)



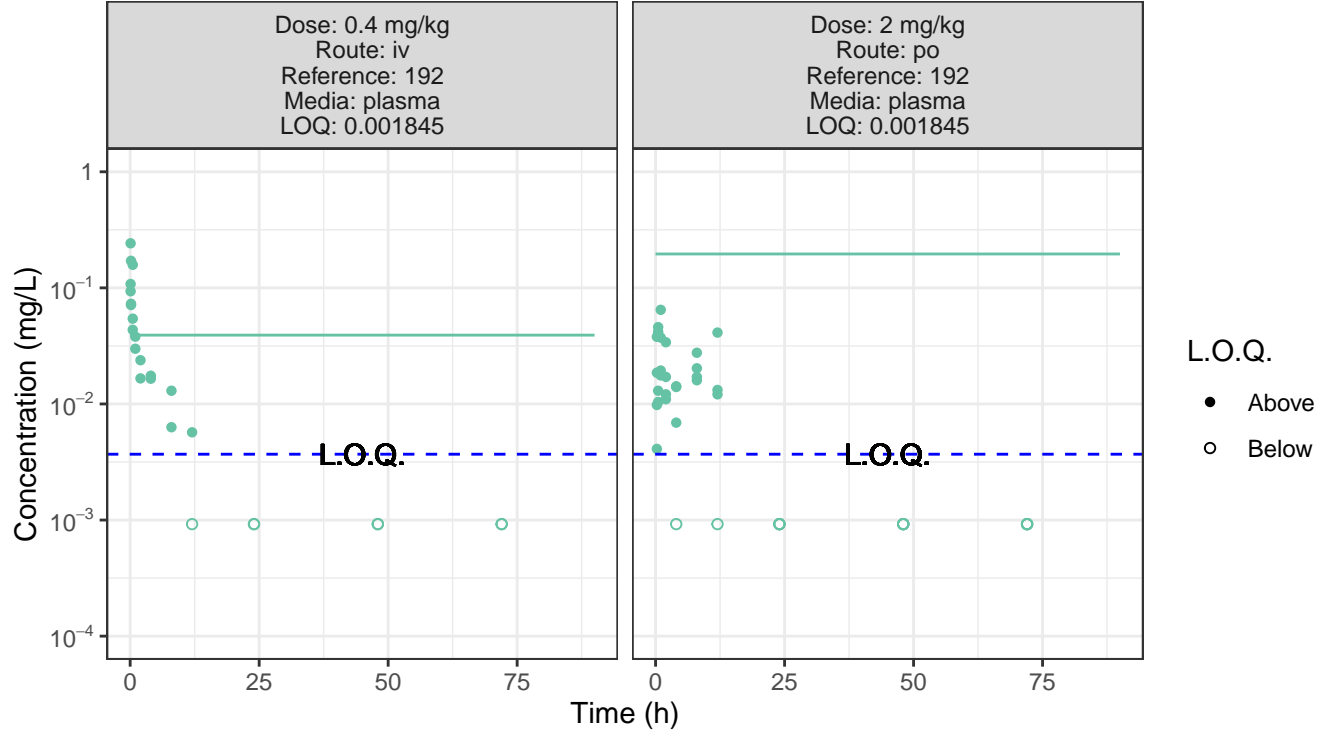
# etoxazole (flat): Optimizer Failed, No Curve Fit



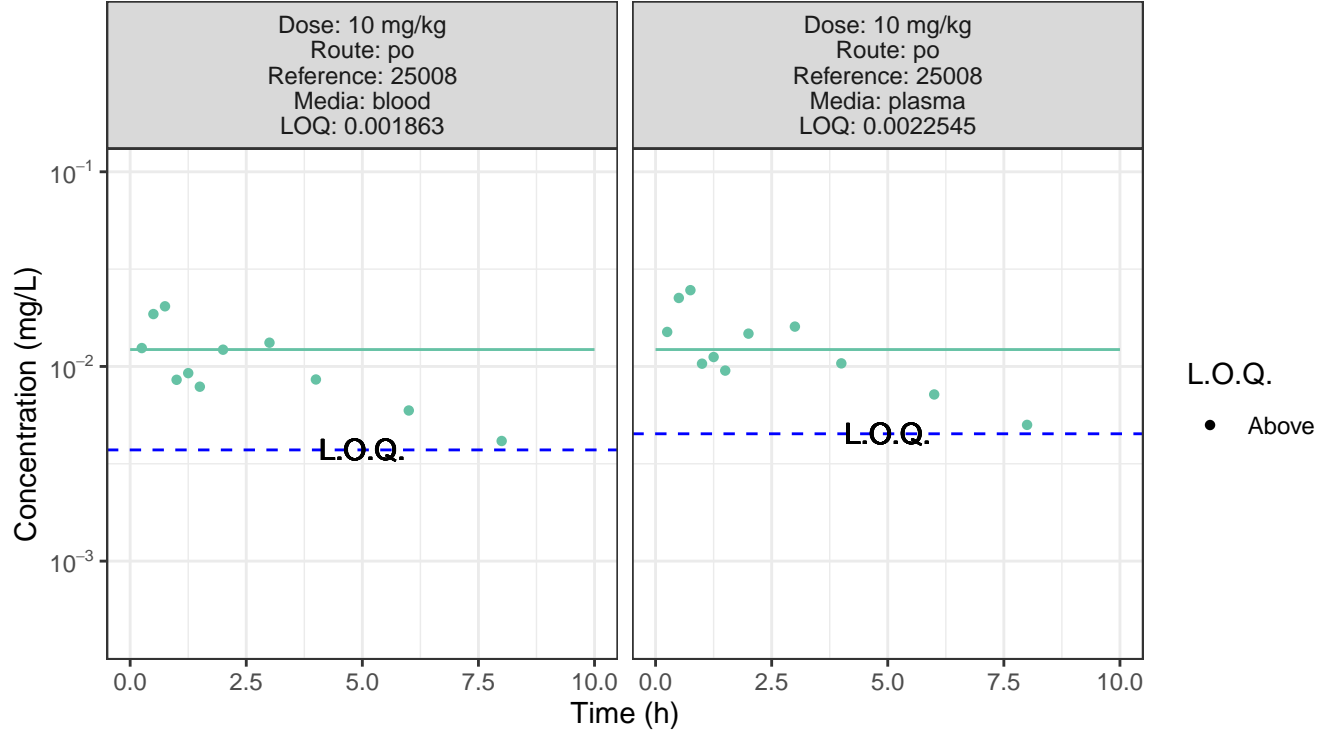
## fadrozole (flat)



fenarimol (flat)



fexofenadine (flat)



**Left Plot (1 mg/kg iv):**

- Dose: 1 mg/kg
- Route: iv
- Reference: 192
- Media: plasma
- LOQ: 4.5e-06

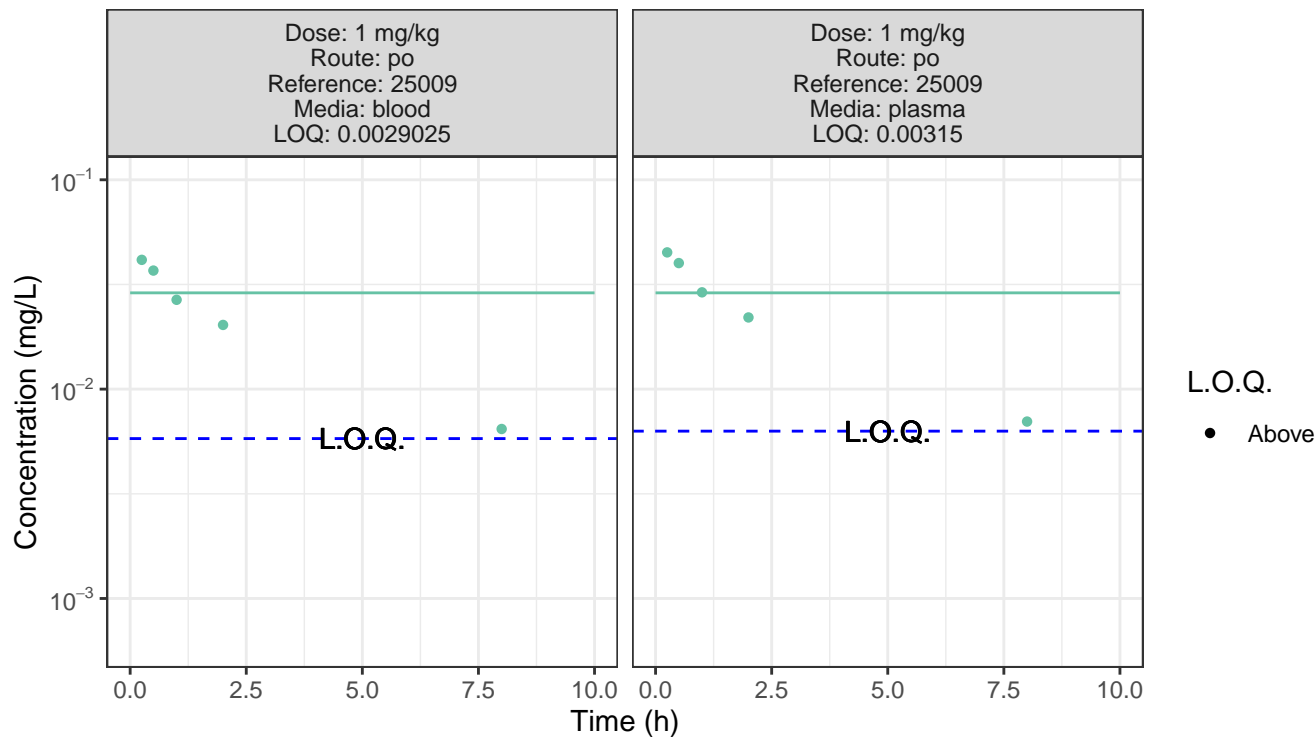
**Right Plot (5.2 mg/kg po):**

- Dose: 5.2 mg/kg
- Route: po
- Reference: 192
- Media: plasma
- LOQ: 4.5e-06

Both plots show a rapid decline in concentration over time, with a dashed line indicating the Limit of Quantification (LOQ) at 4.5e-06 ng/mL. The data points are green circles, and the LOQ line is a dashed blue line.

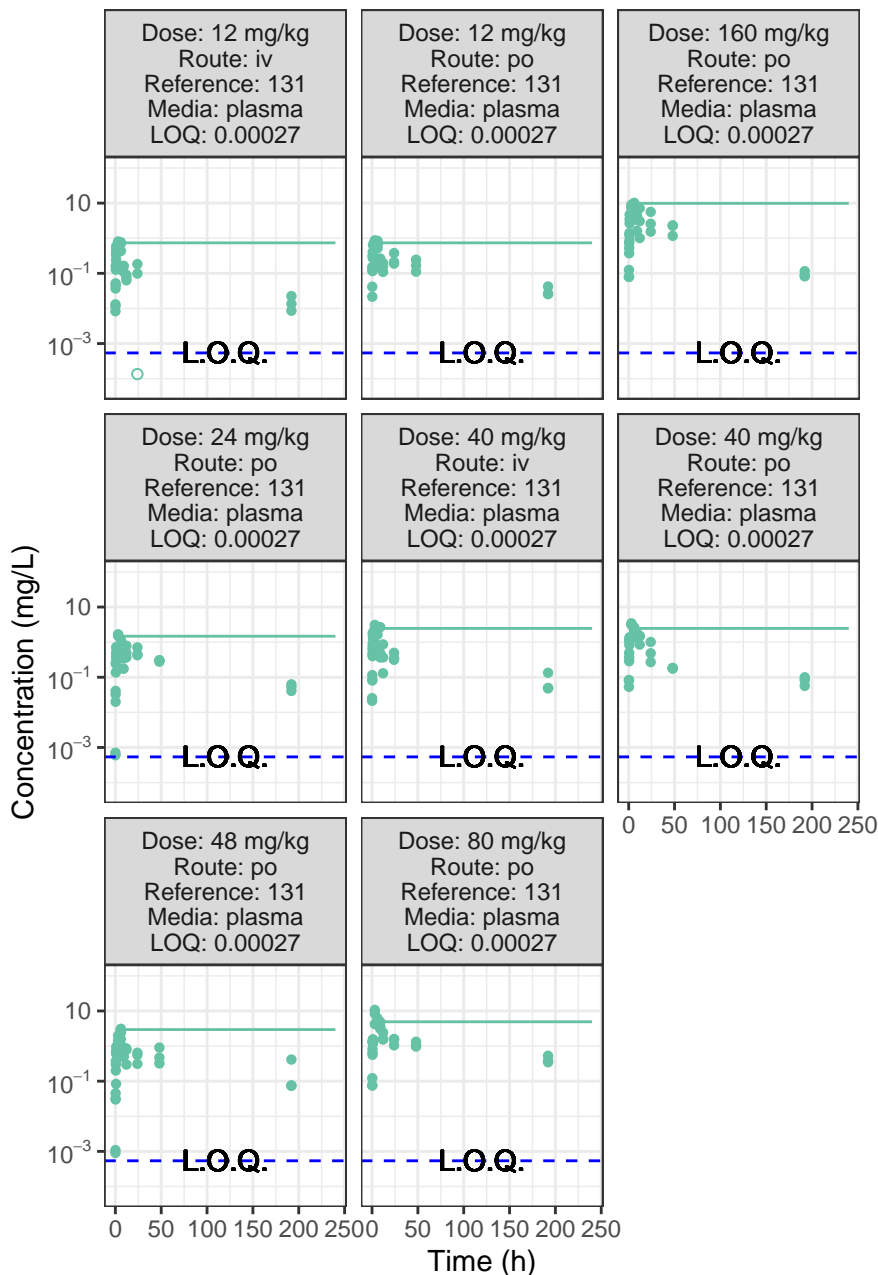
- Above
- Below

# flunitrazepam (flat)

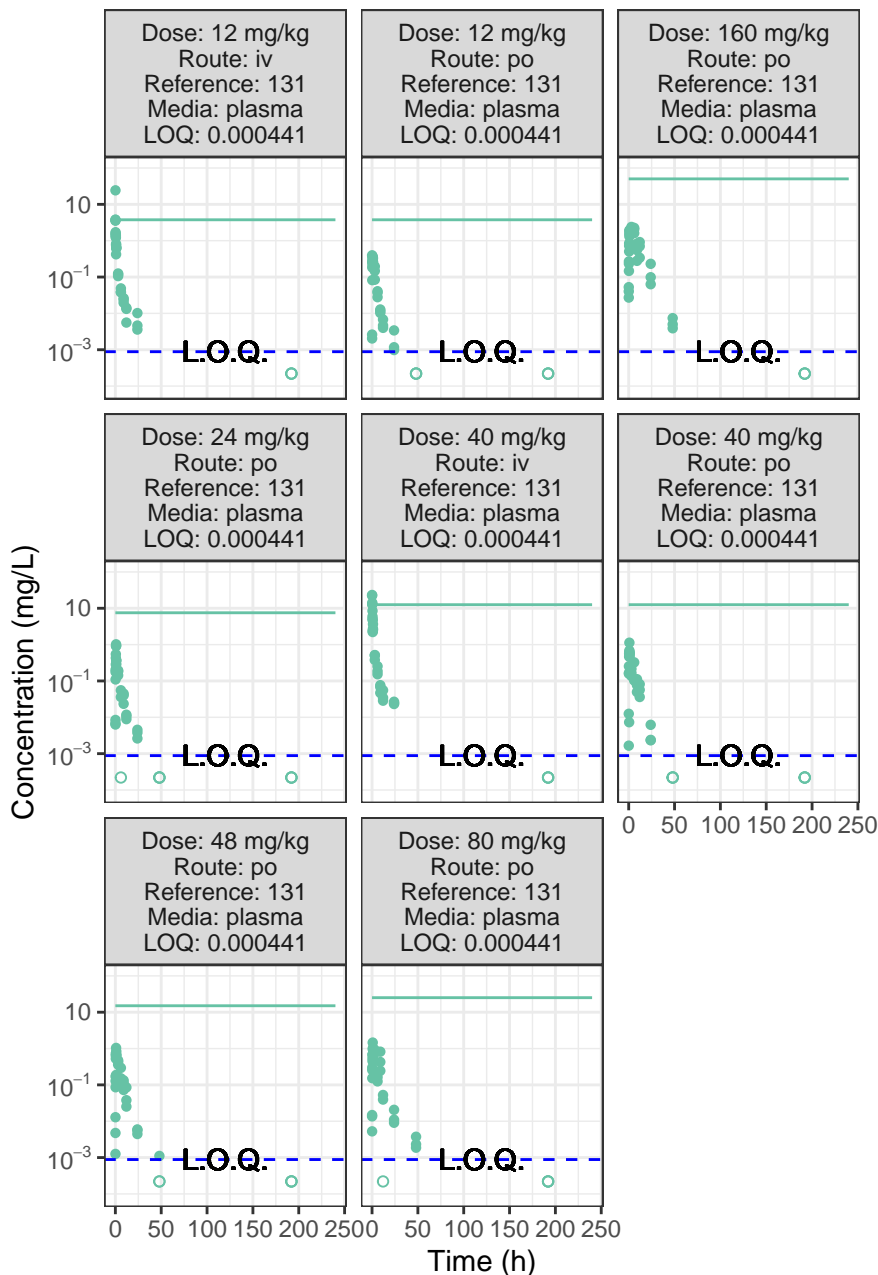




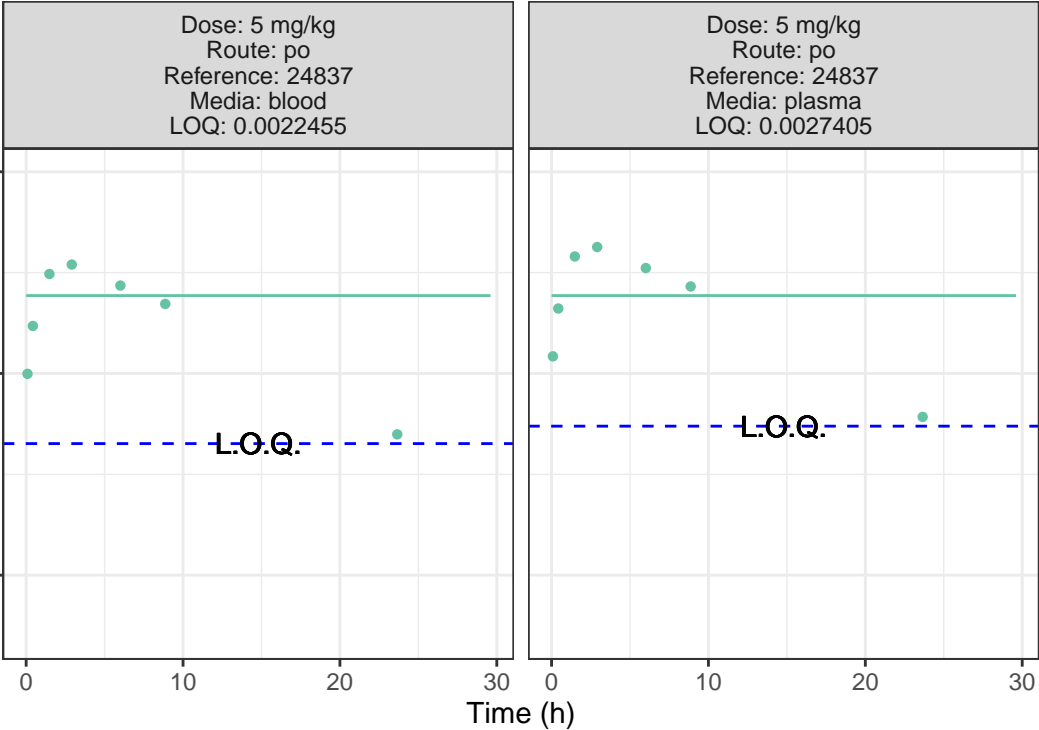
# fluorotelomer acid 7+3 (flat)



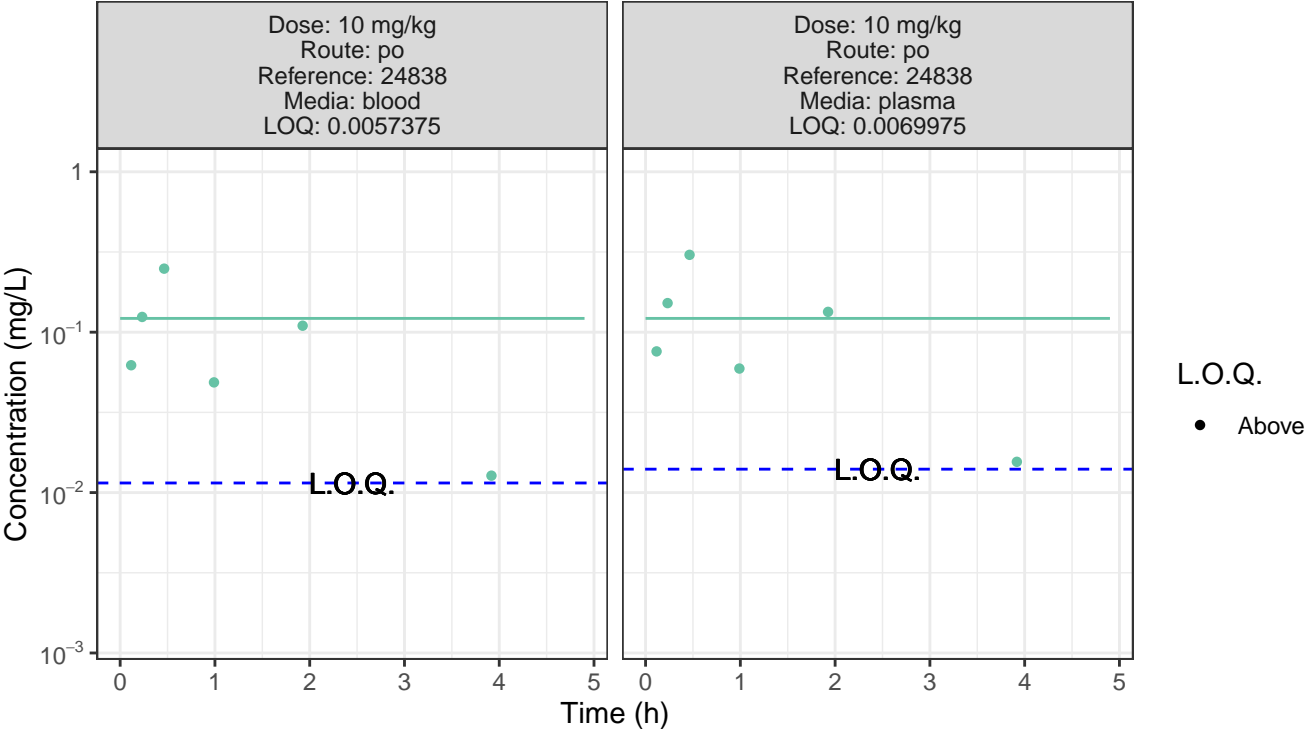
# fluorotelomer alcohol 8+2 (flat)



fluoxetine (flat)

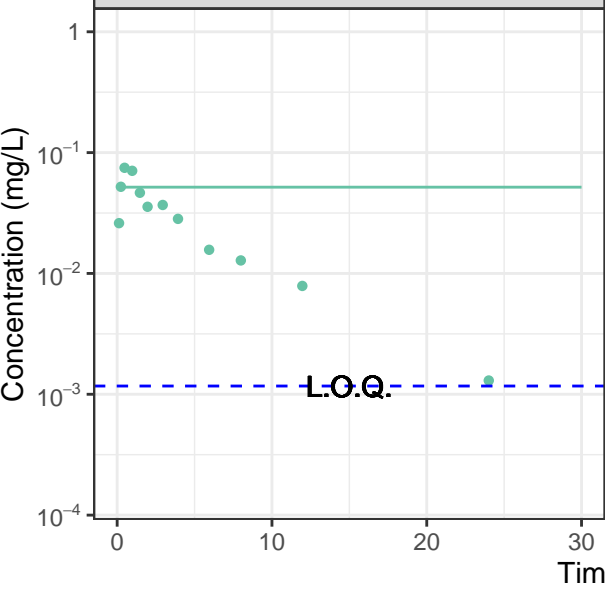


flutamide (flat)

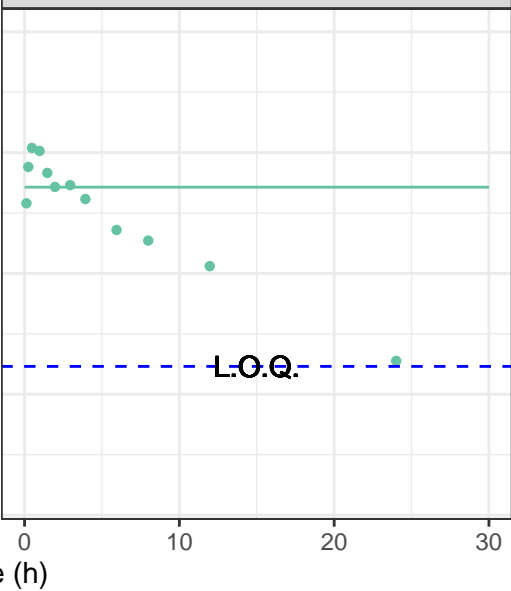


fluvastatin (flat)

Dose: 1 mg/kg  
Route: po  
Reference: 24839  
Media: blood  
LOQ: 0.000585

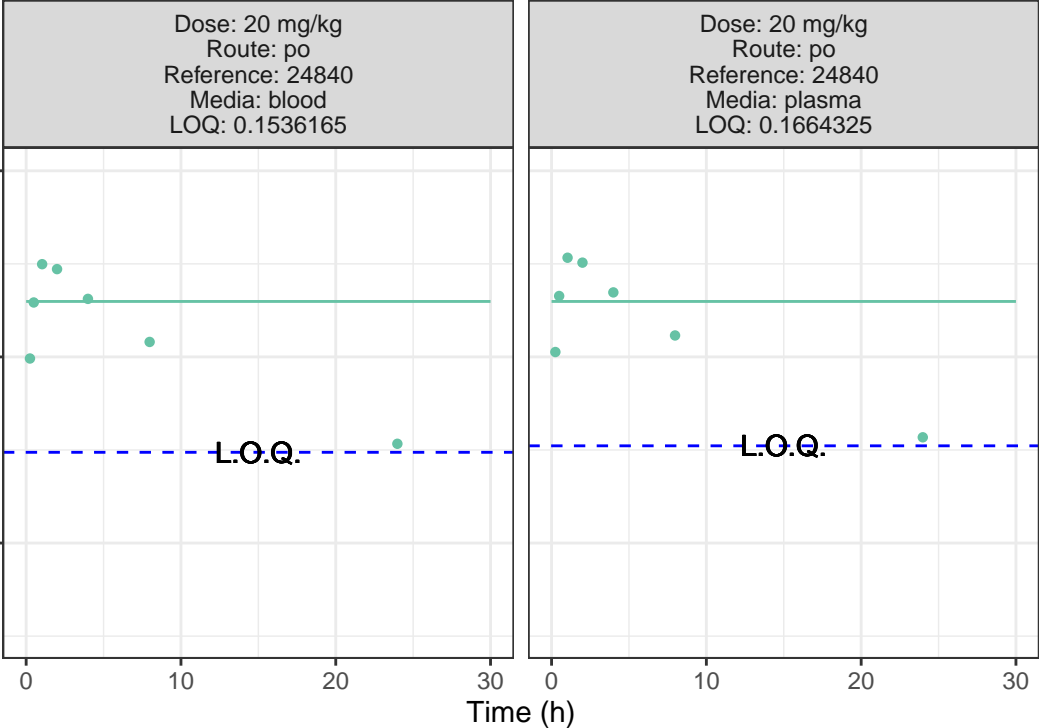


Dose: 1 mg/kg  
Route: po  
Reference: 24839  
Media: plasma  
LOQ: 0.0008505

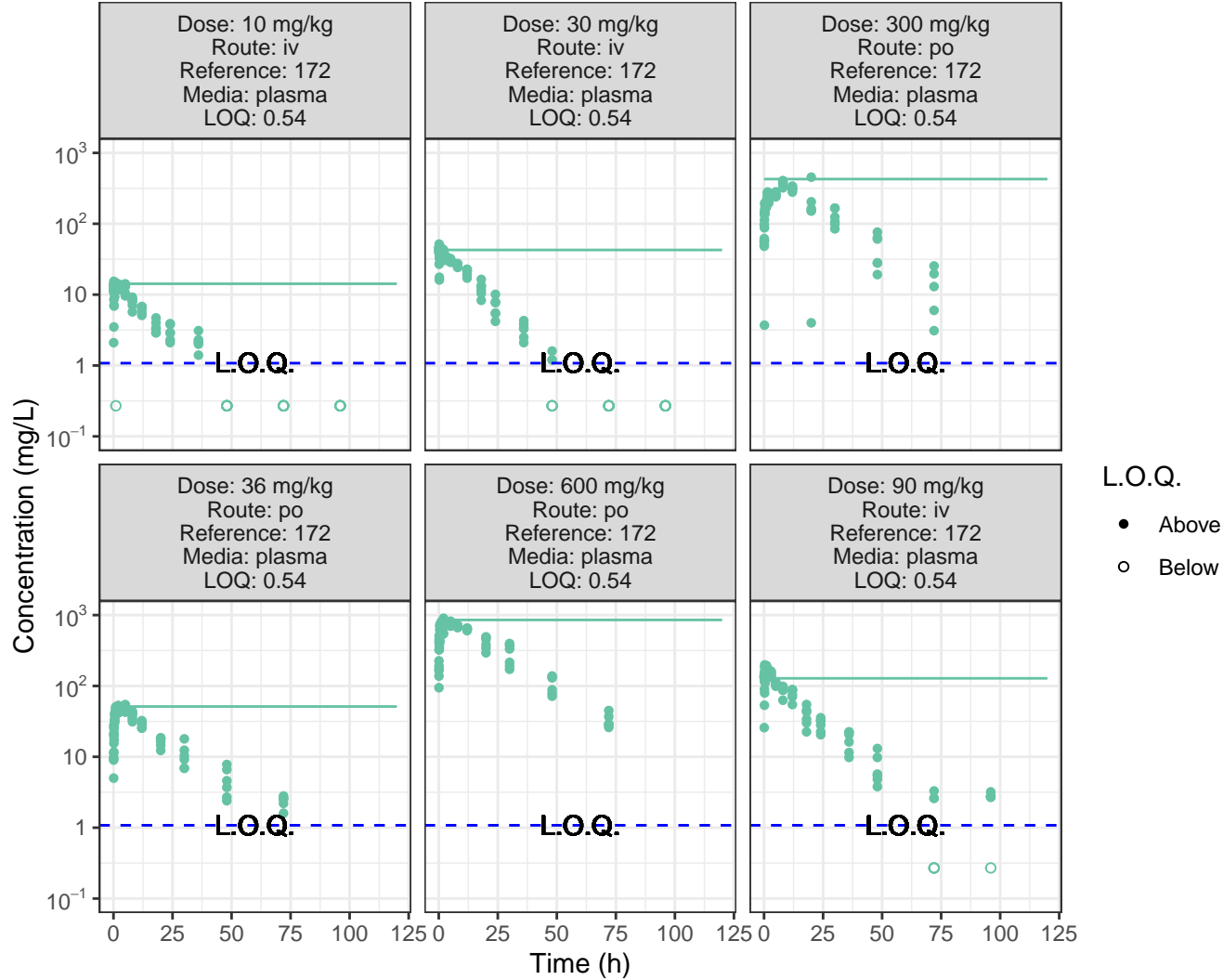


L.O.Q.  
• Above

fluvoxamine (flat)

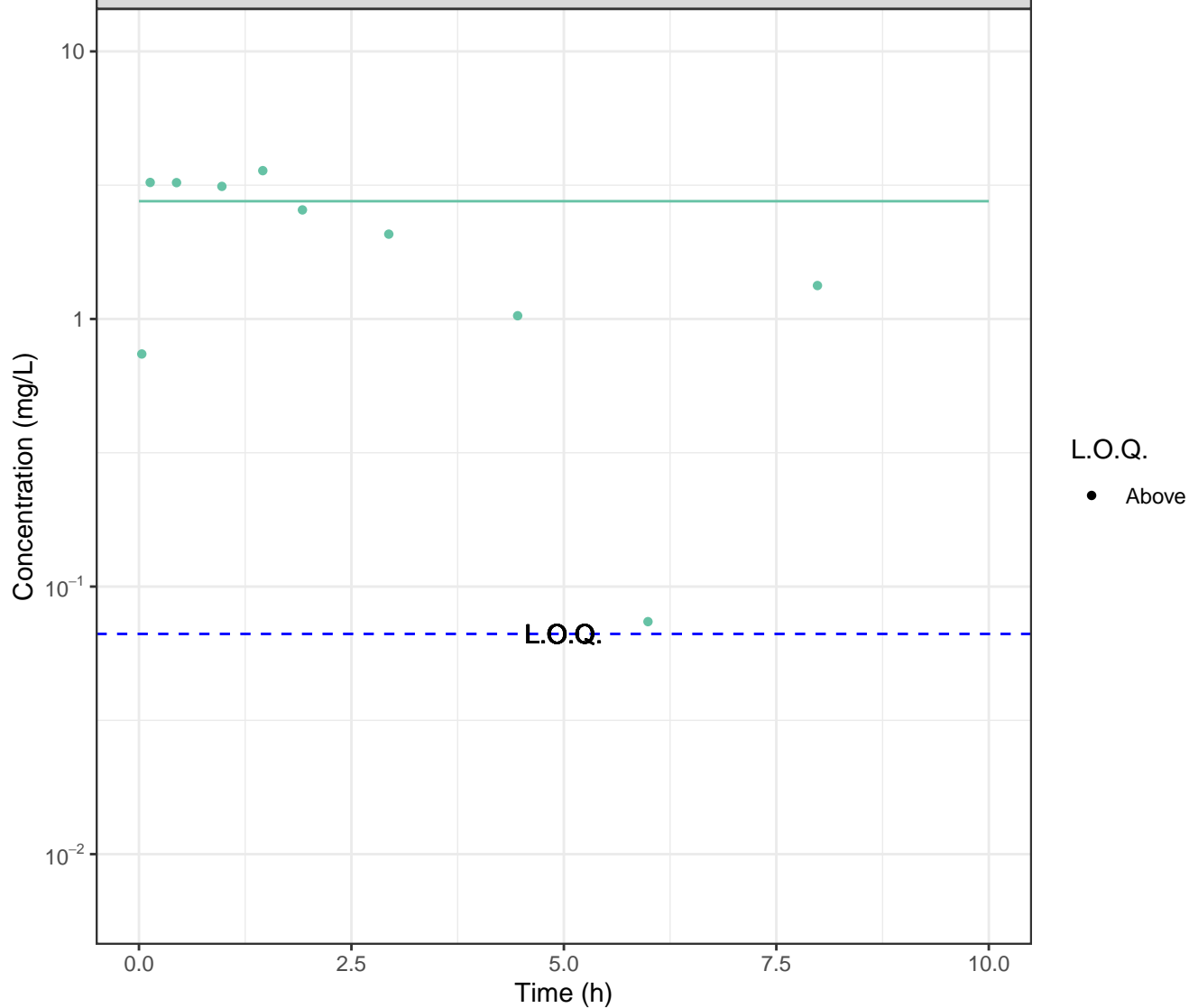


formamide (flat)



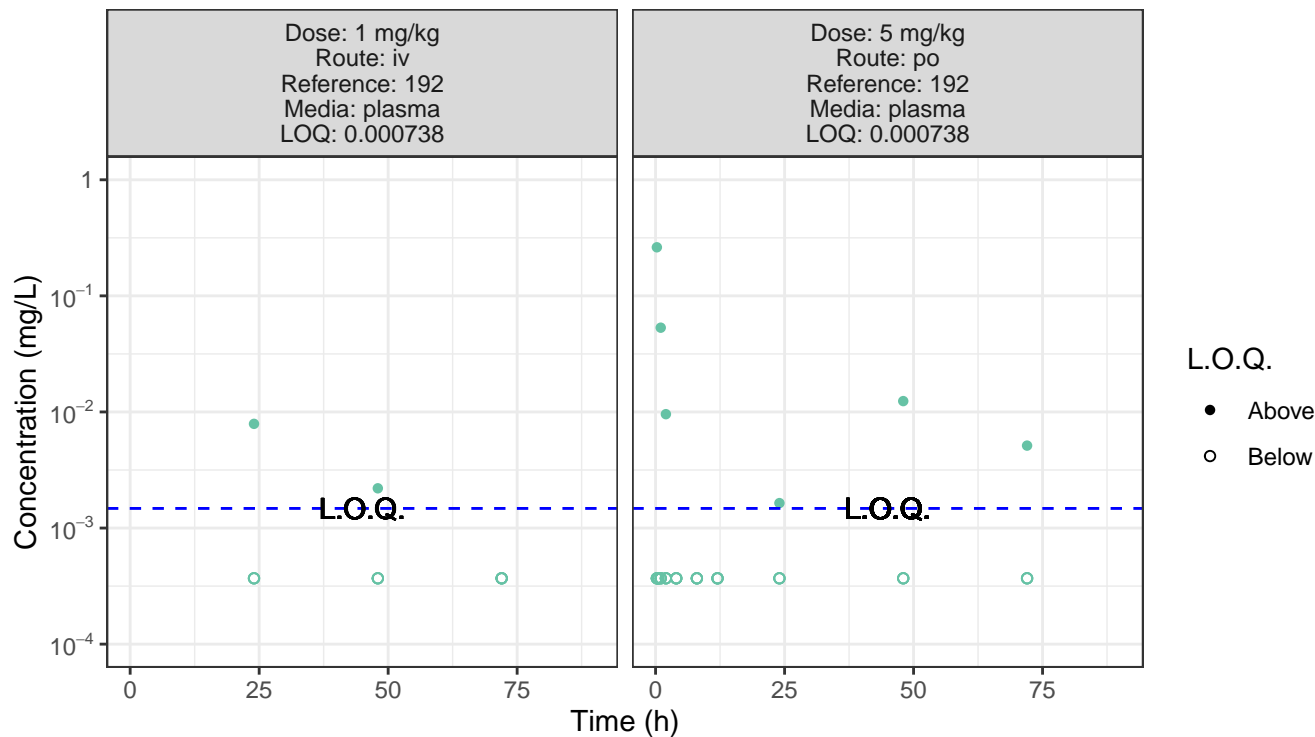
formate (flat)

Dose: 100 mg/kg  
Route: iv  
Reference: 17  
Media: blood  
LOQ: 0.033273

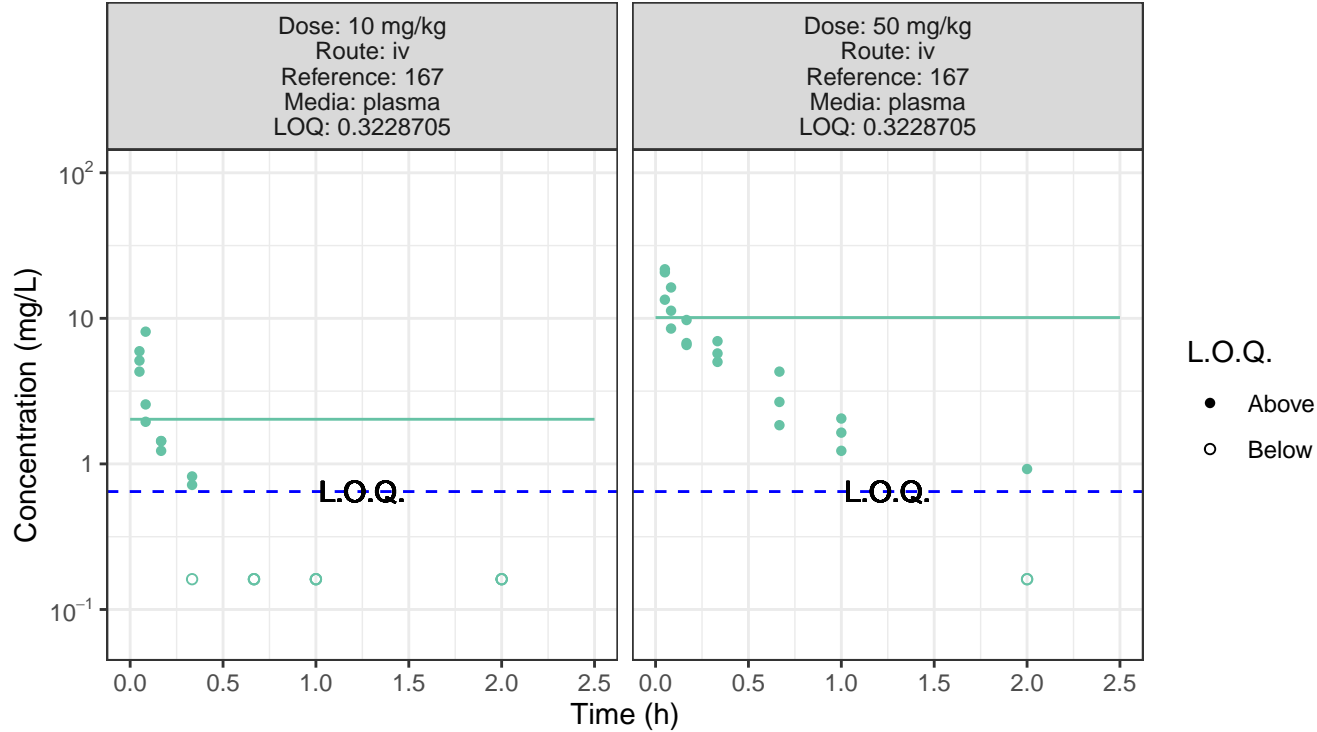




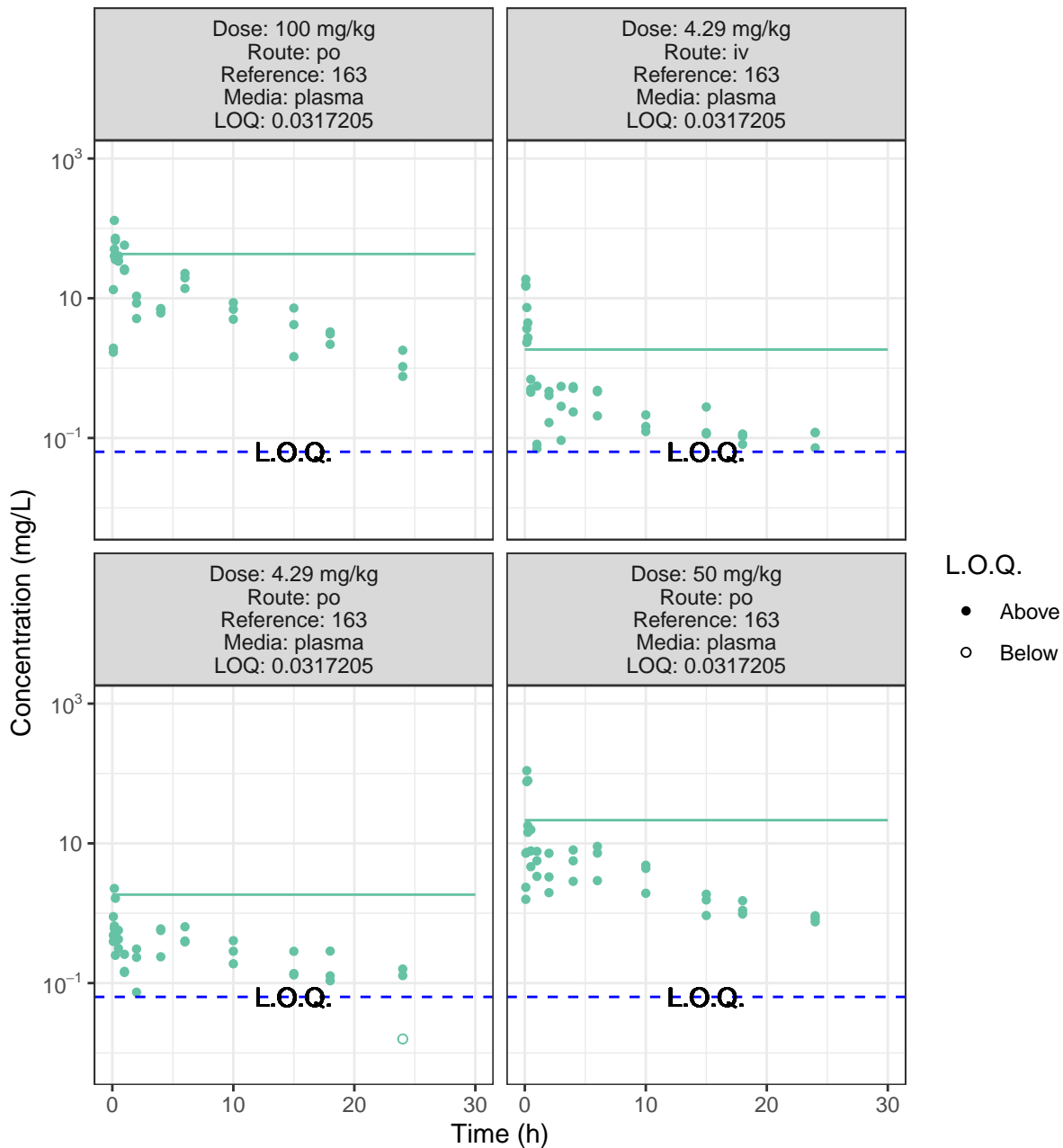
# formetanate hydrochloride (flat): Optimizer Failed, No Curve Fit



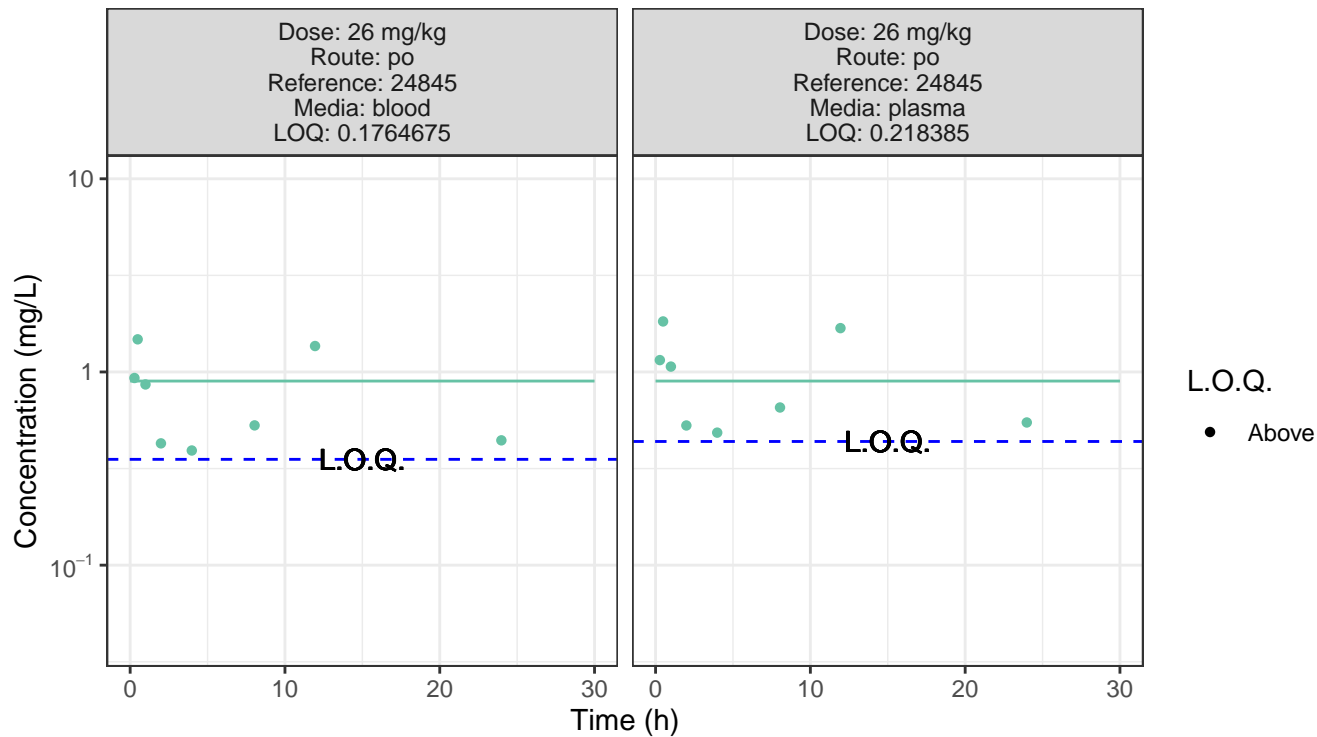
free carbon disulfide (flat)



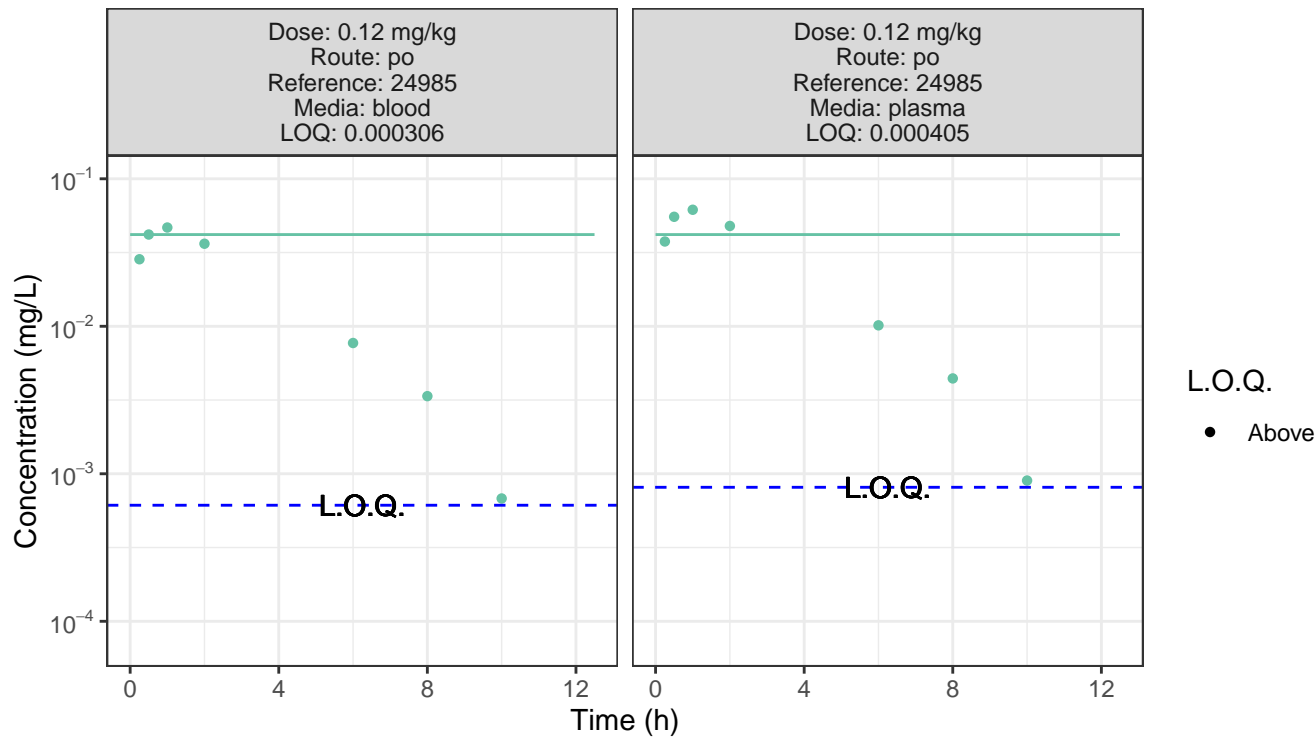
# gemfibrozil (flat)



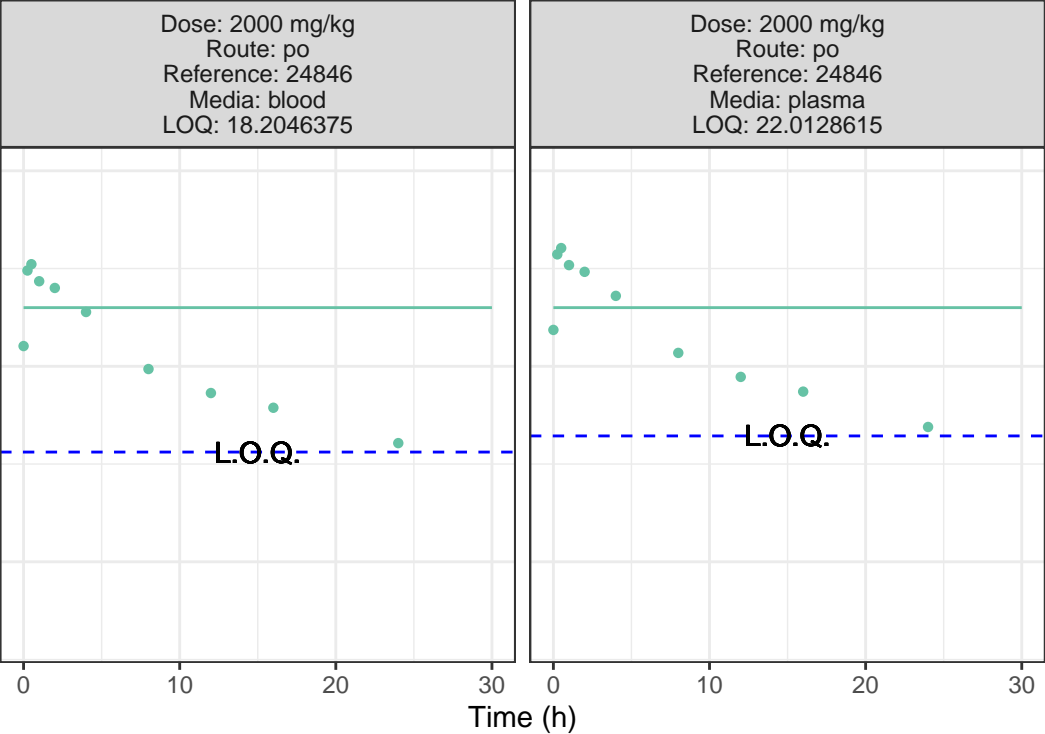
## glutaraldehyde (flat)



## glycidamide (flat)

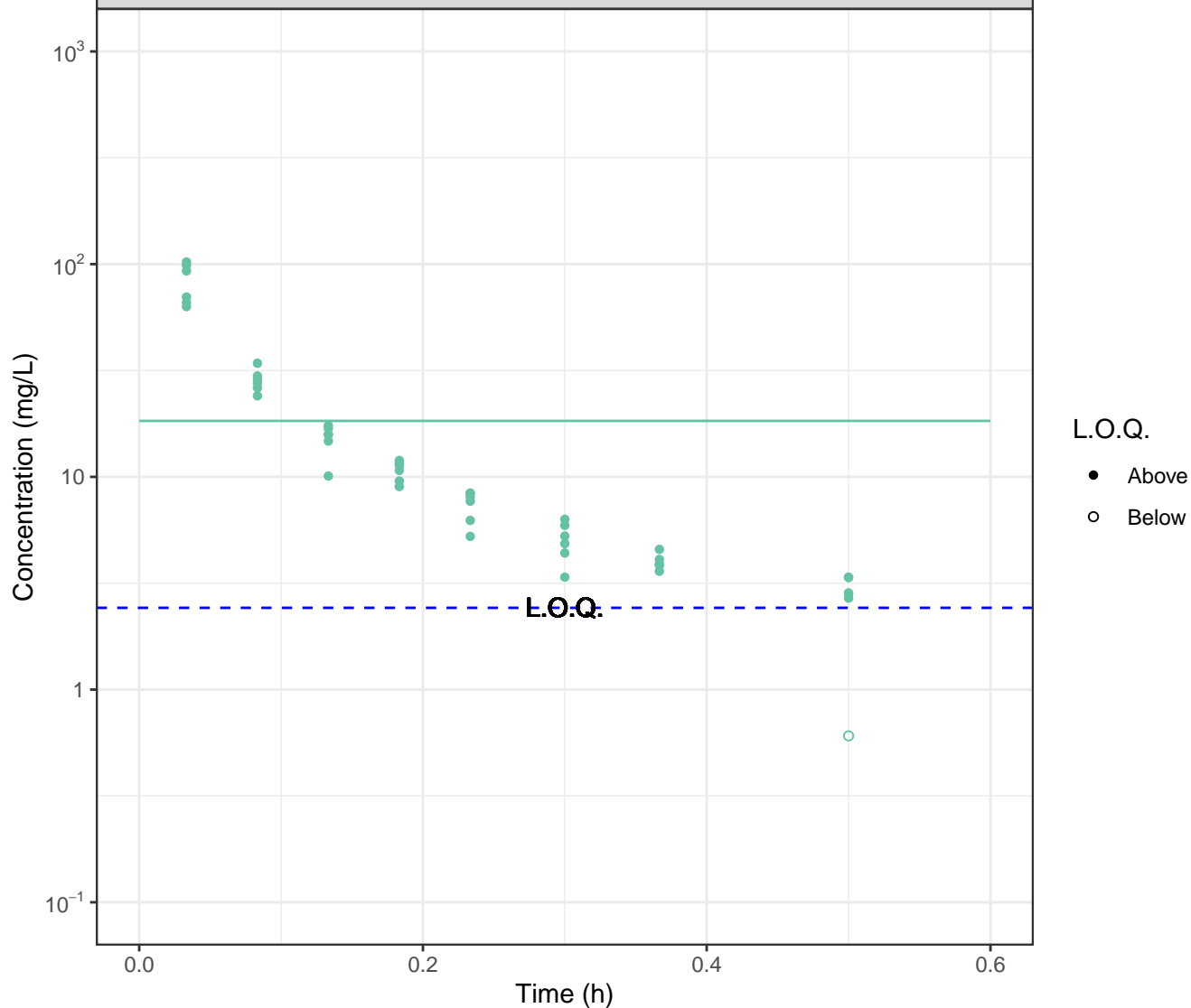


glycine (flat)

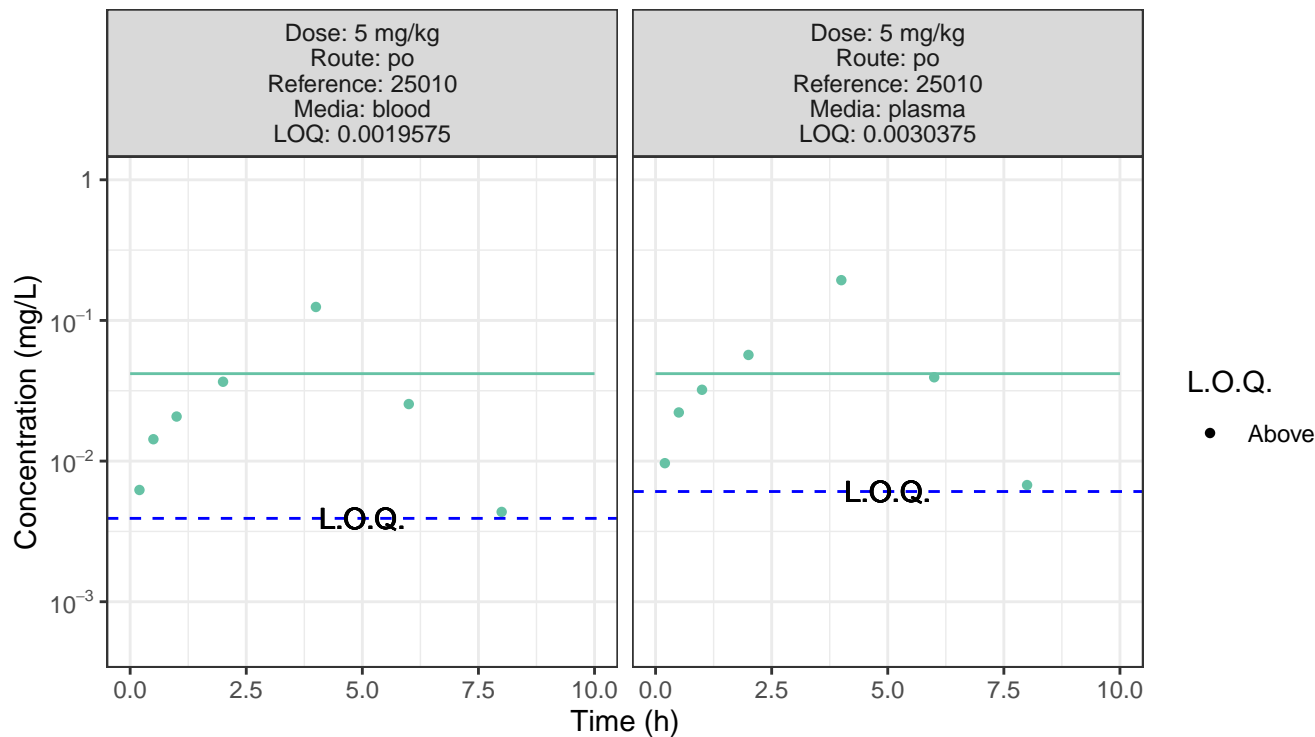


# glyoxylic acid monohydrate (flat)

Dose: 50 mg/kg  
Route: iv  
Reference: 156  
Media: plasma  
LOQ: 1.2114

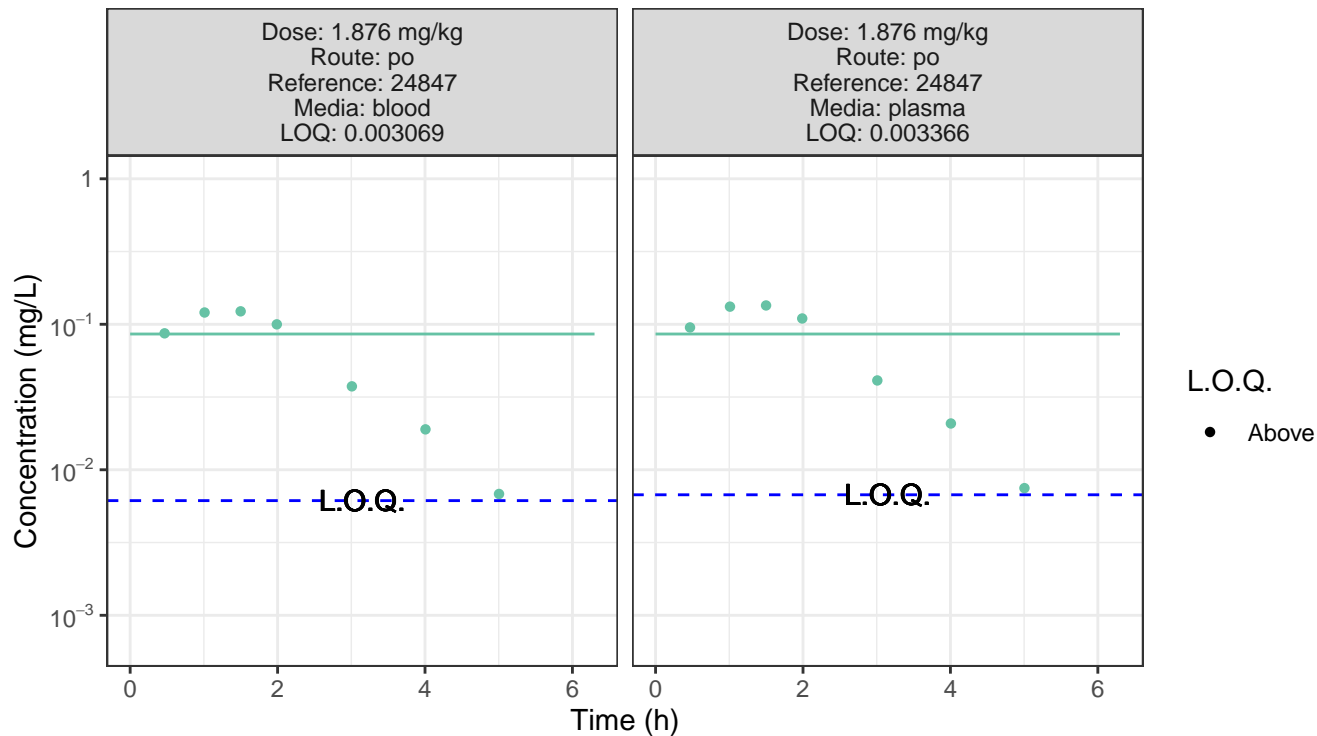


## grazoprevir (flat)

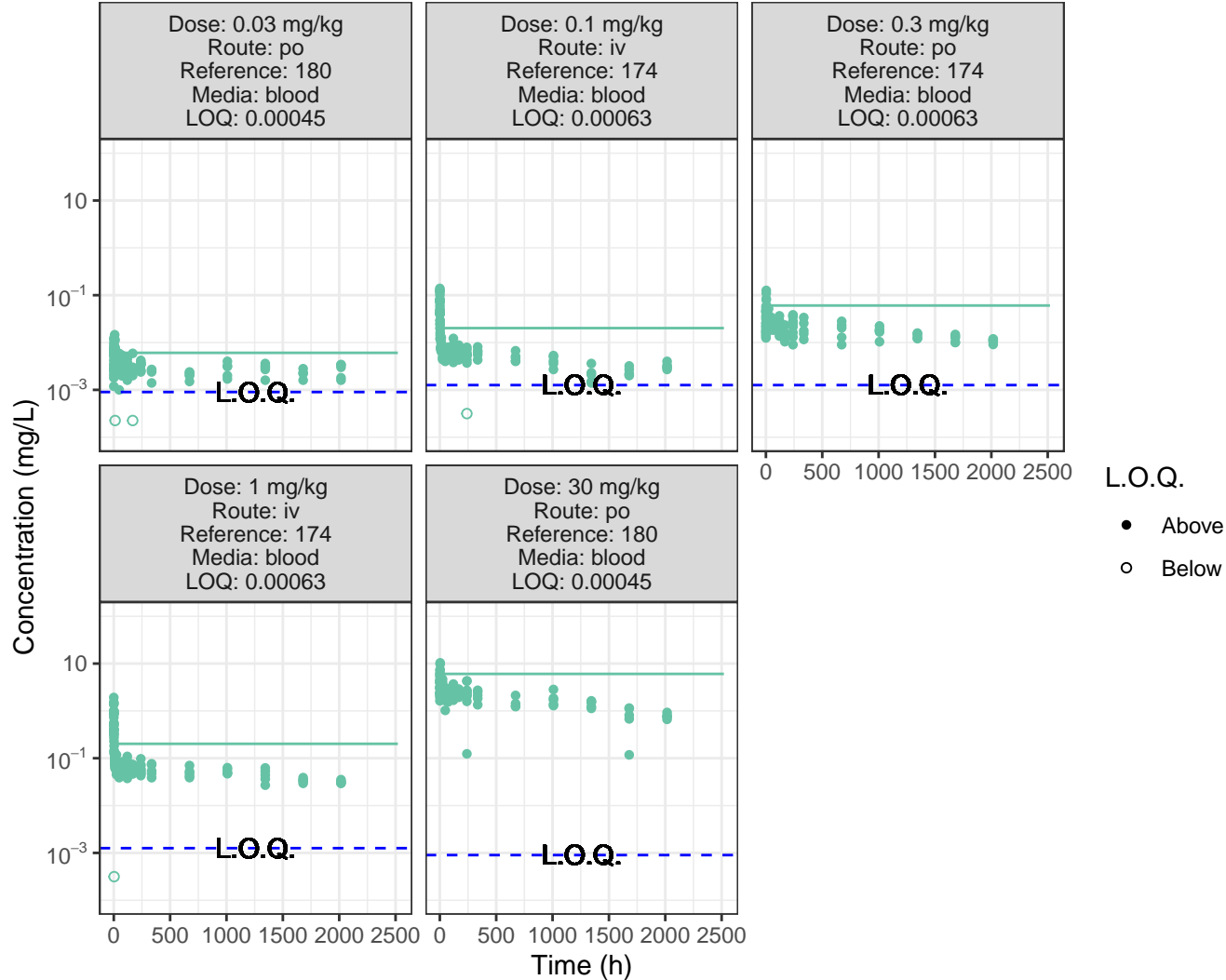




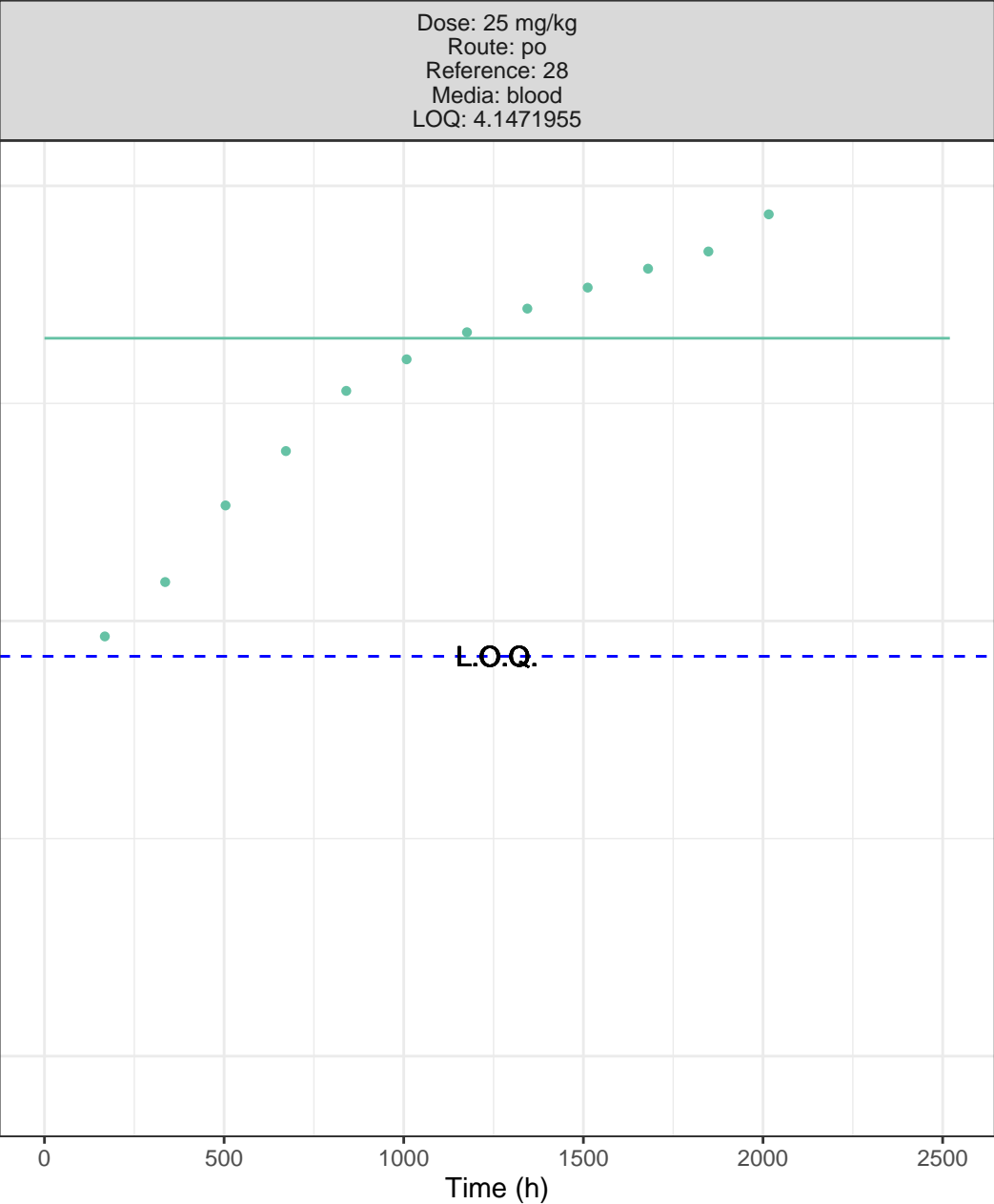
## griseofulvin (flat)



hexachlorobenzene (flat)



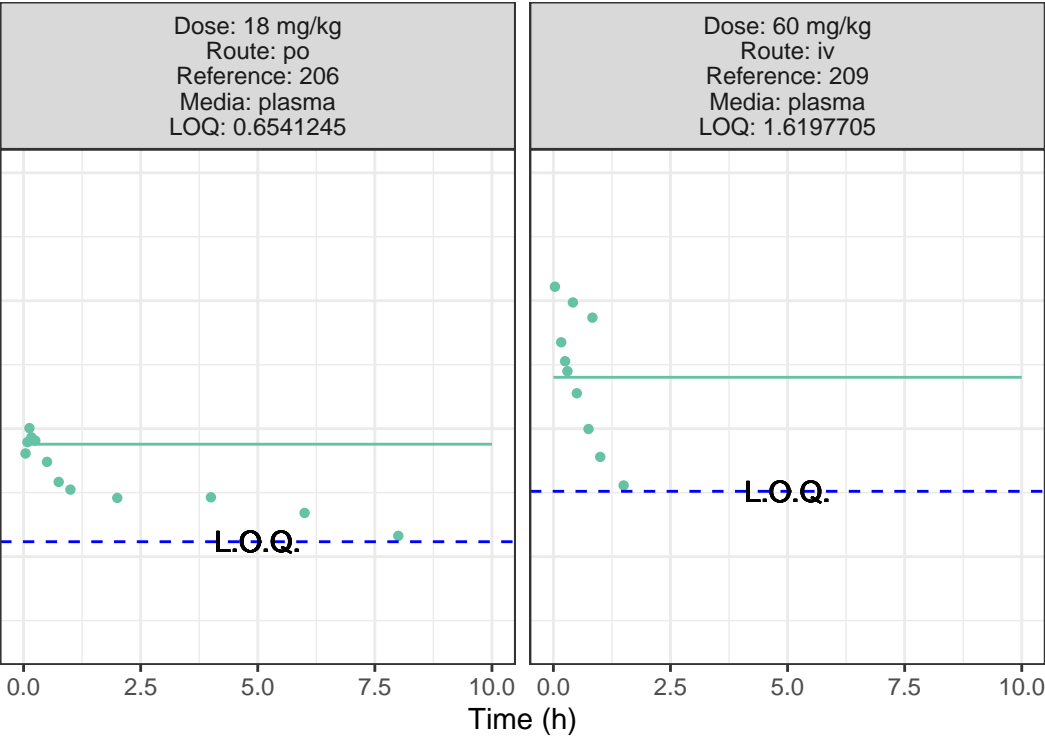
hexachlorocyclohexane (flat)



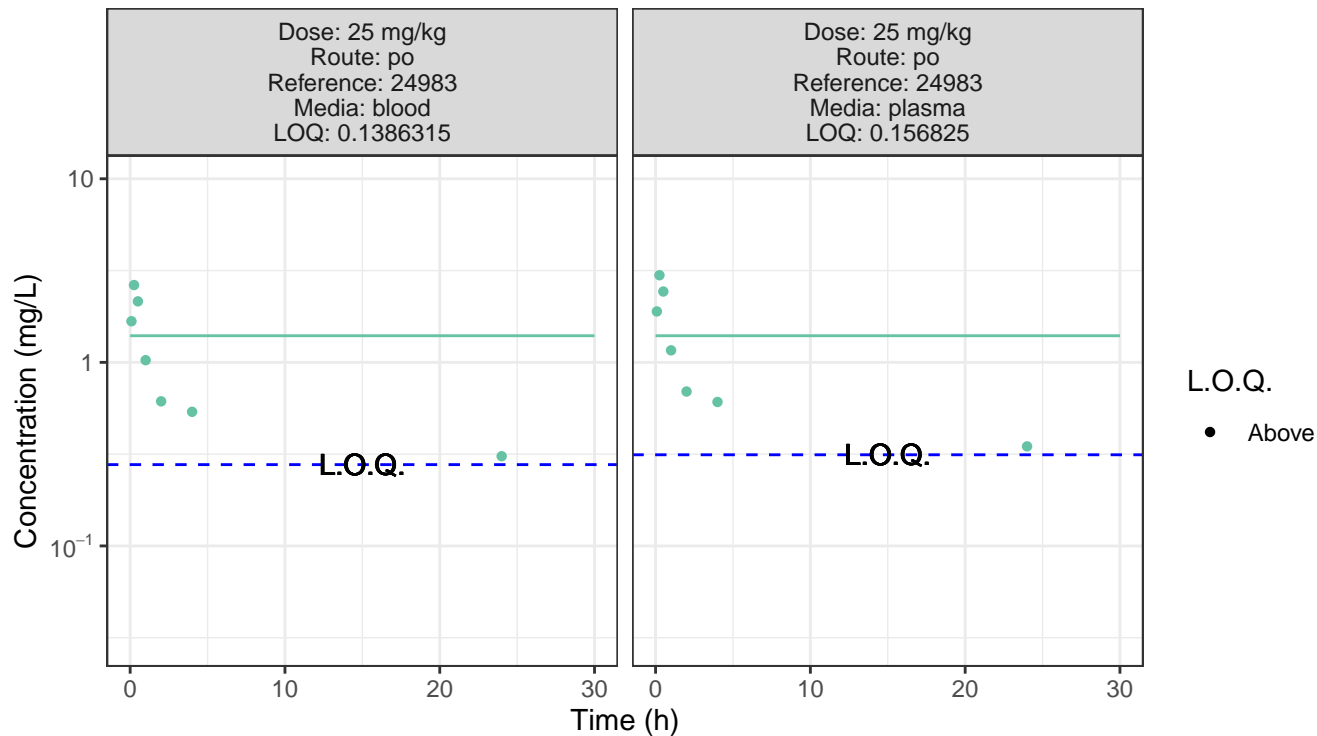
L.O.Q.

• Above

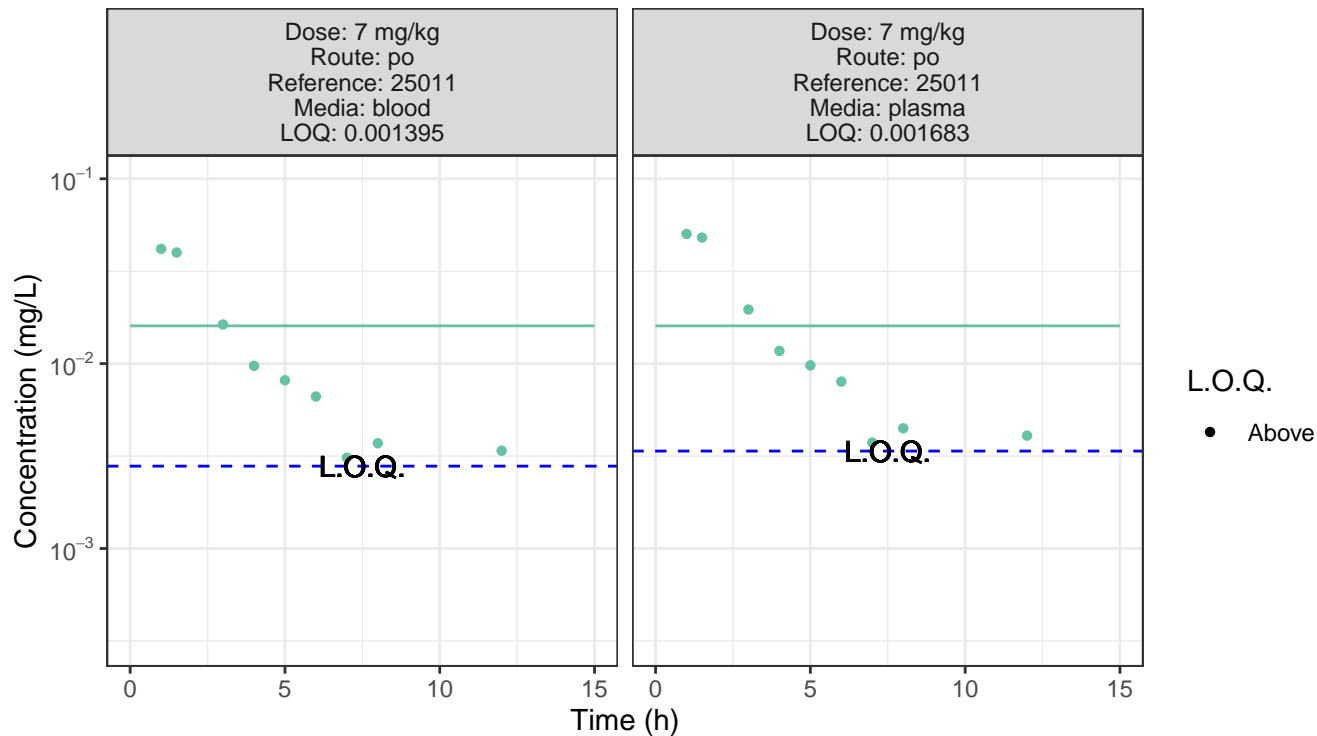
hexobarbital (flat)



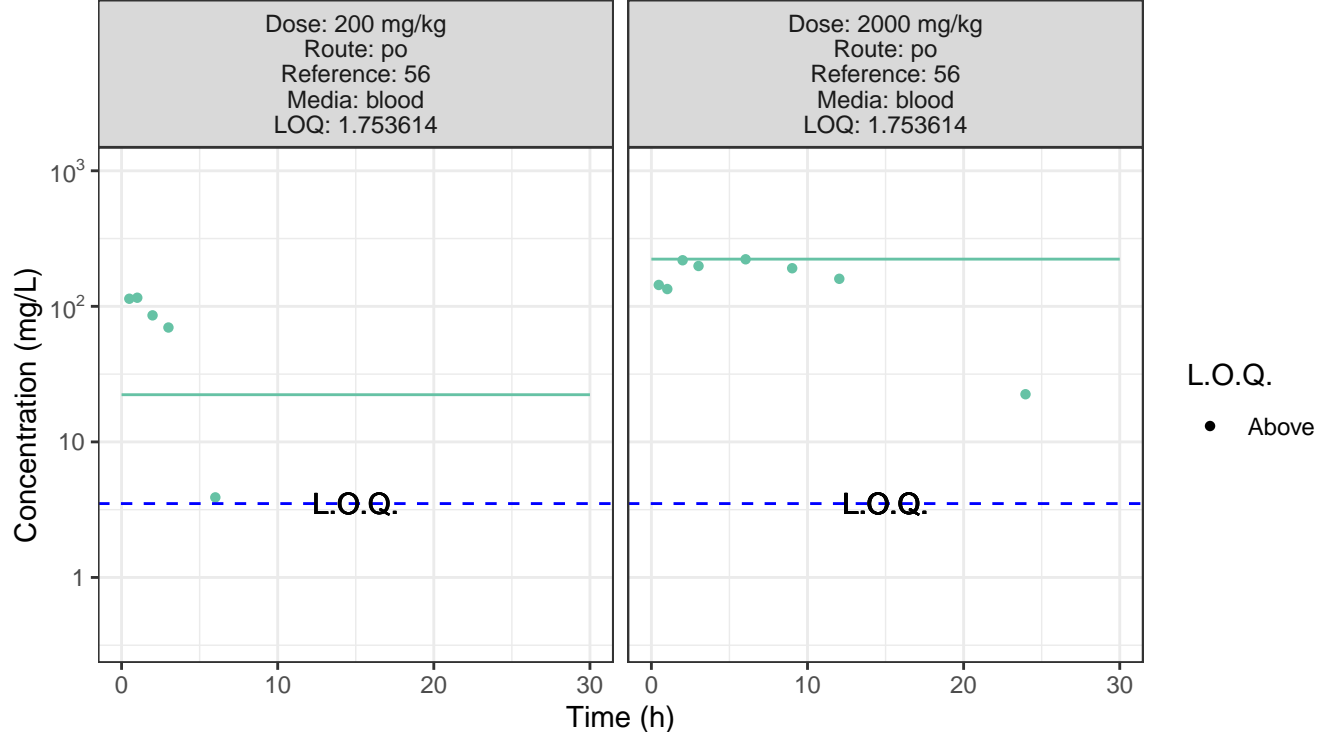
## hippuric acid (flat)



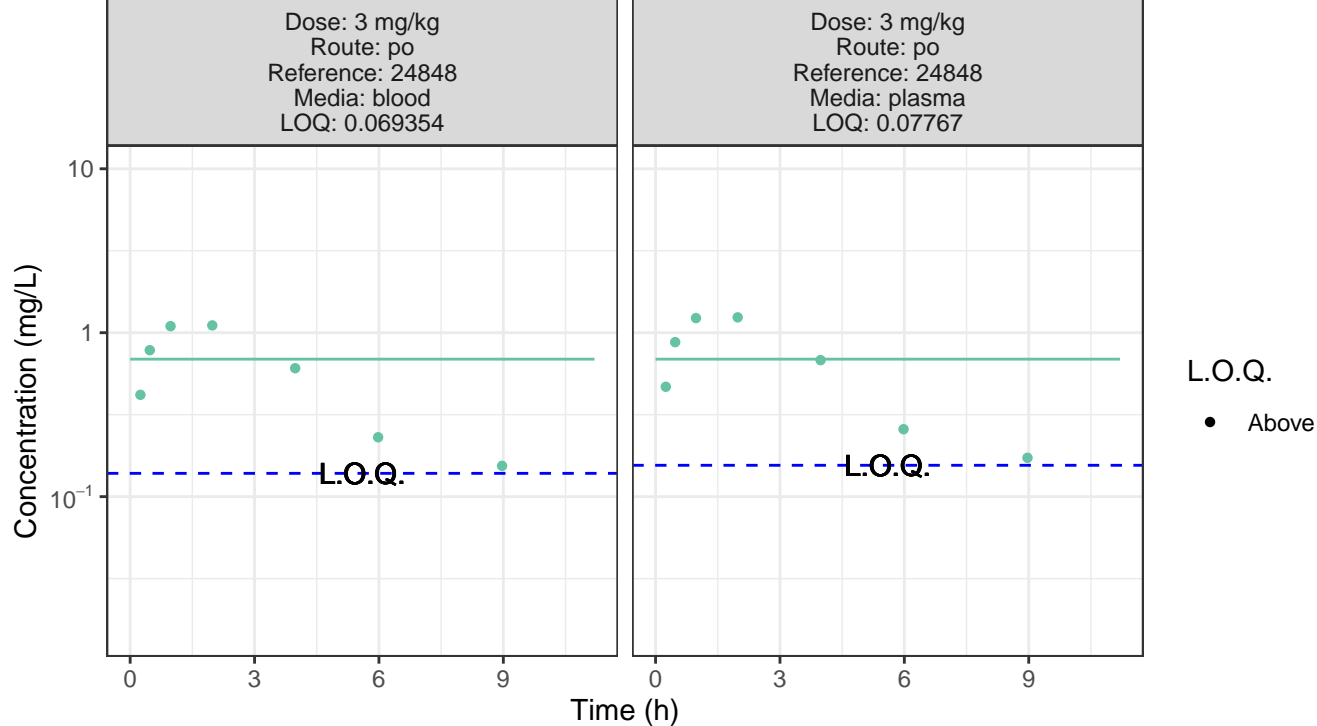
## hydromorphone (flat)



hydroxyethoxyacetic acid (flat)

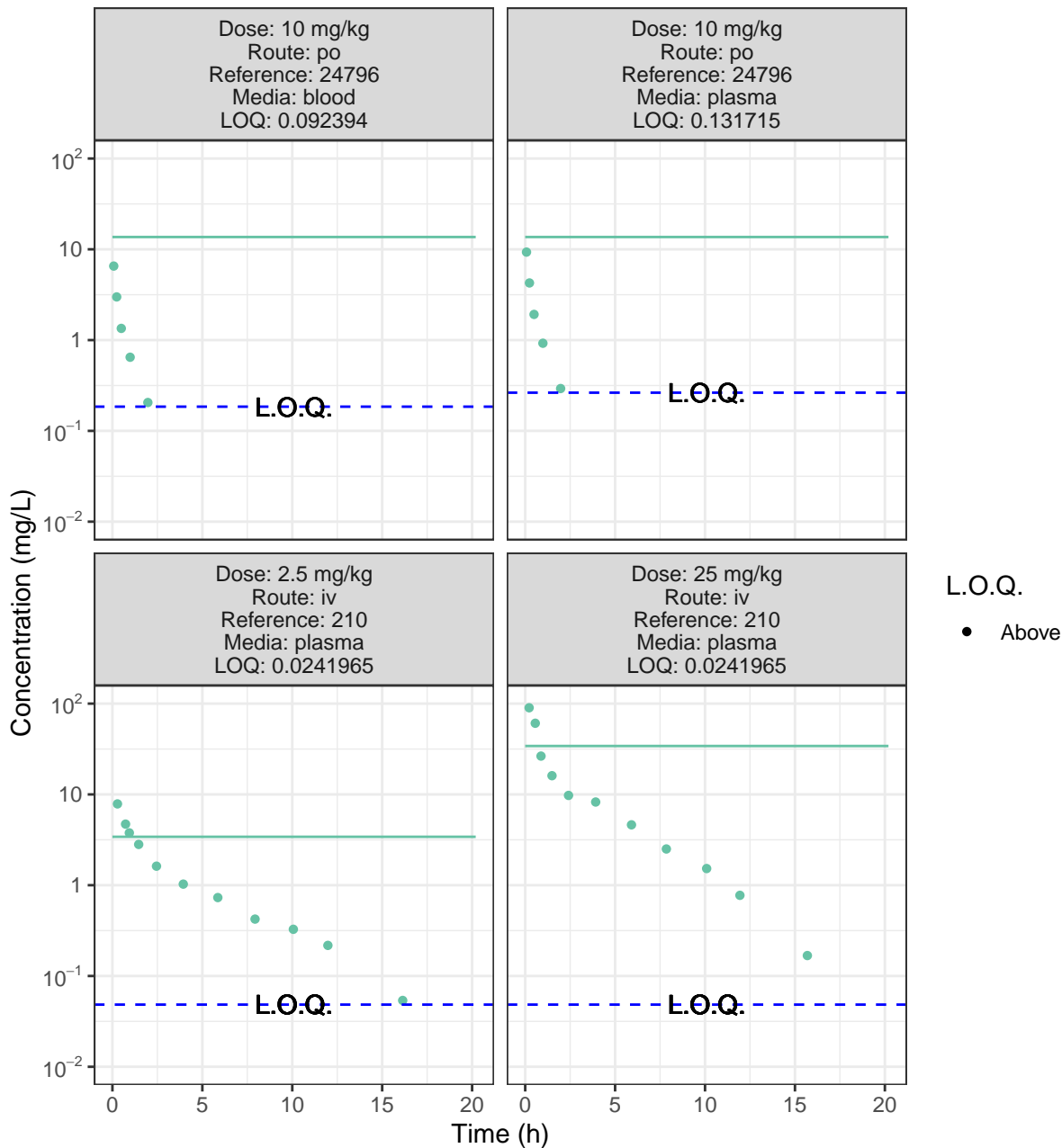


ibrolipim (flat)

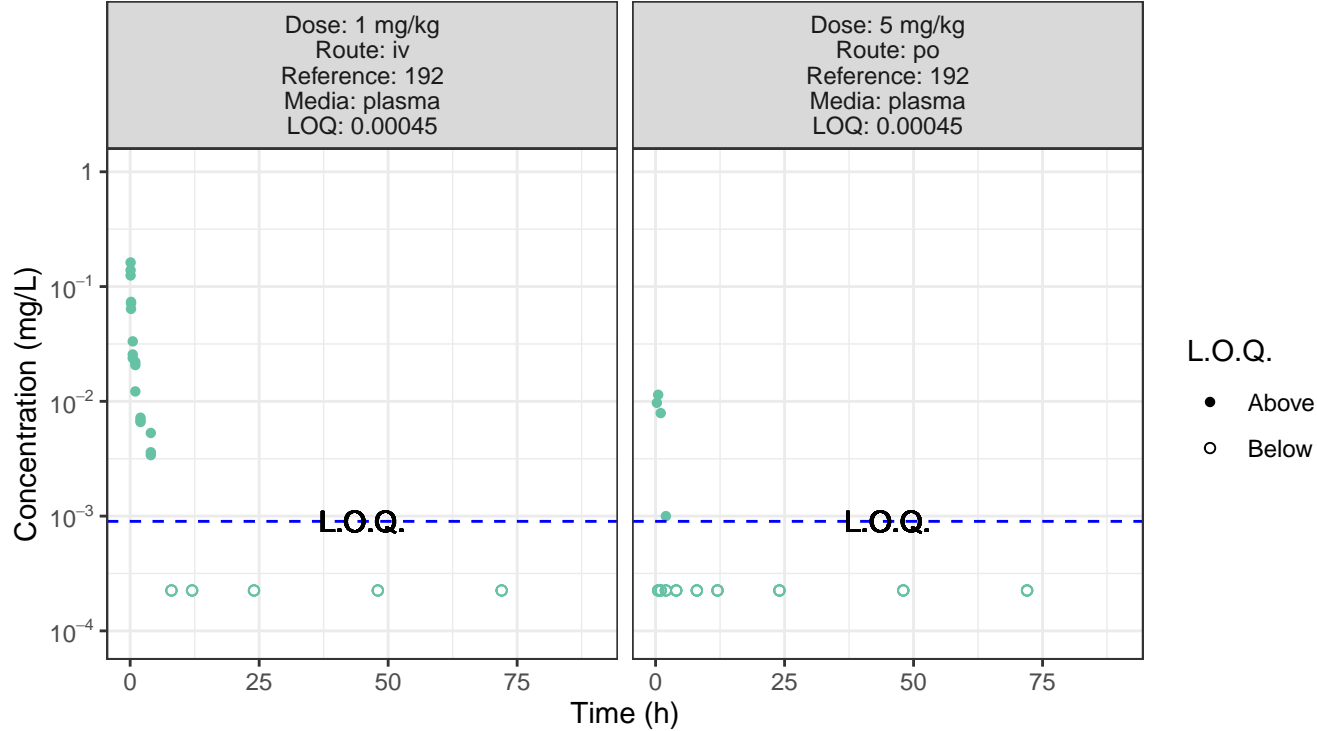




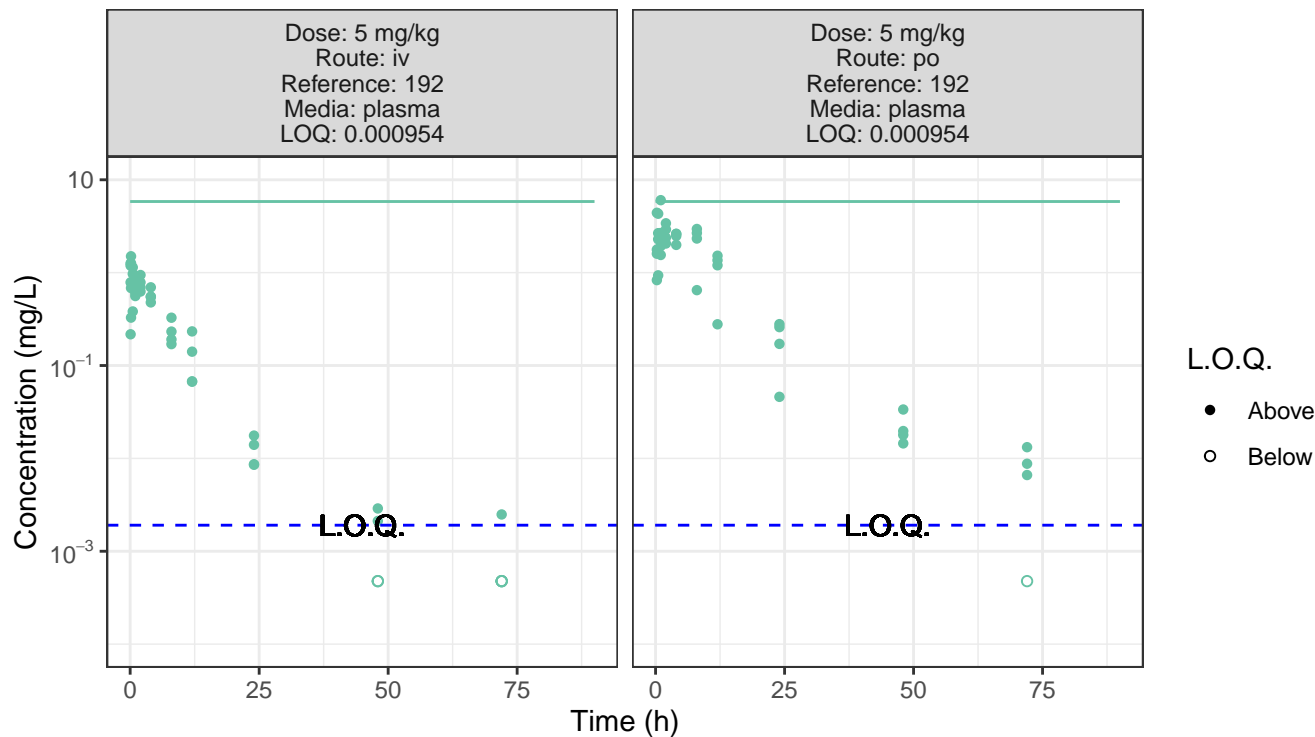
# ibuprofen (flat)



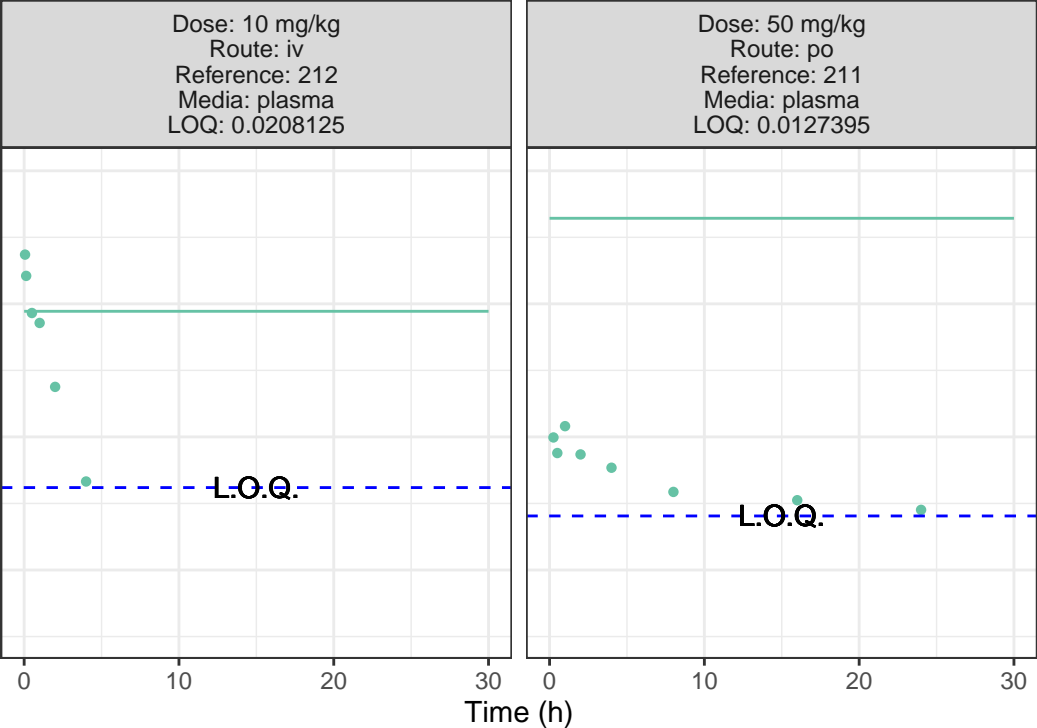
imazalil (flat): Optimizer Failed, No Curve Fit



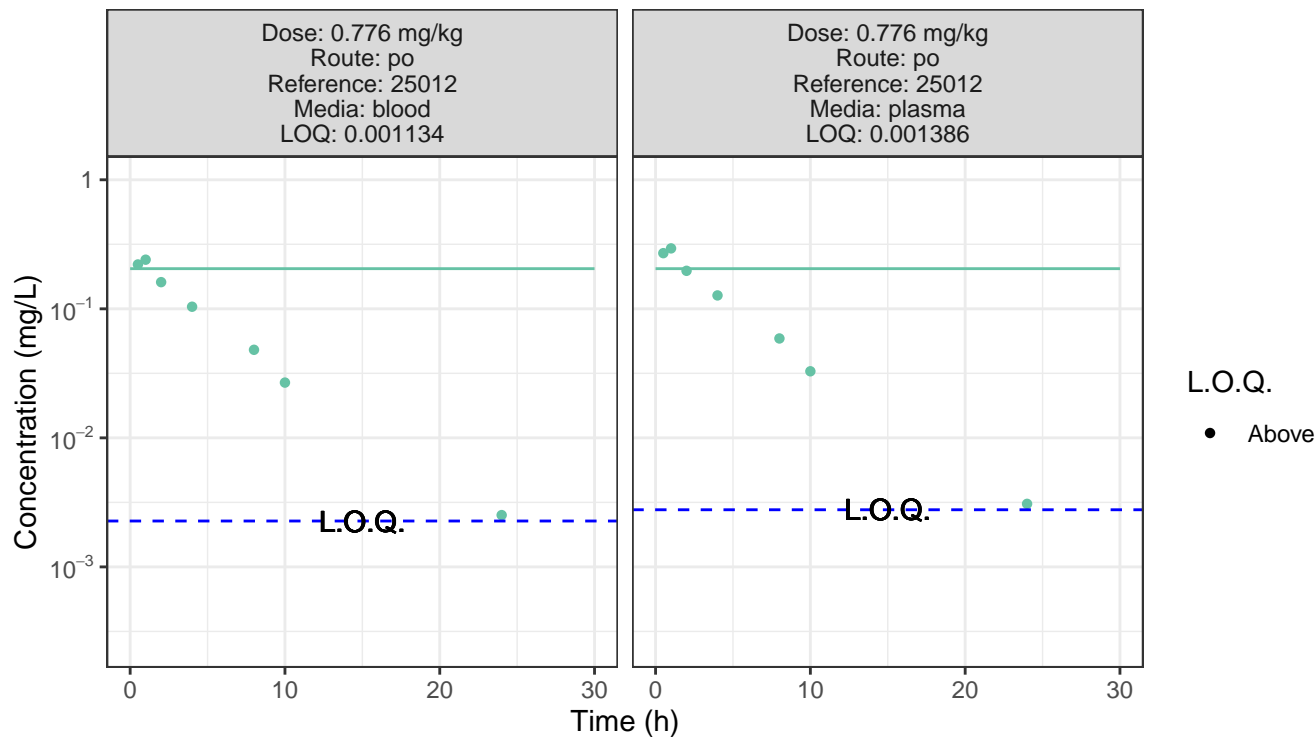
# imidacloprid (flat)



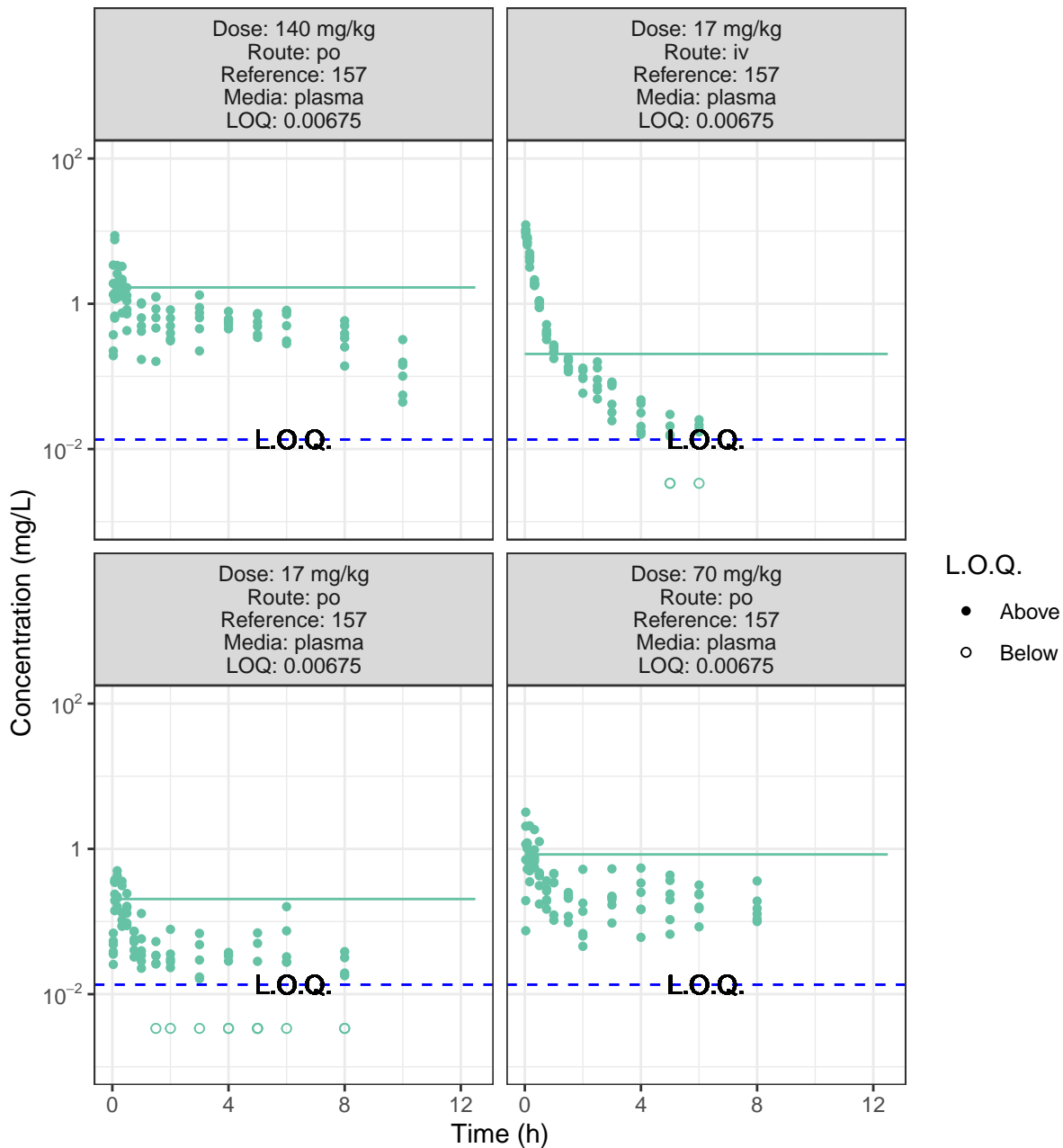
imipramine (flat)



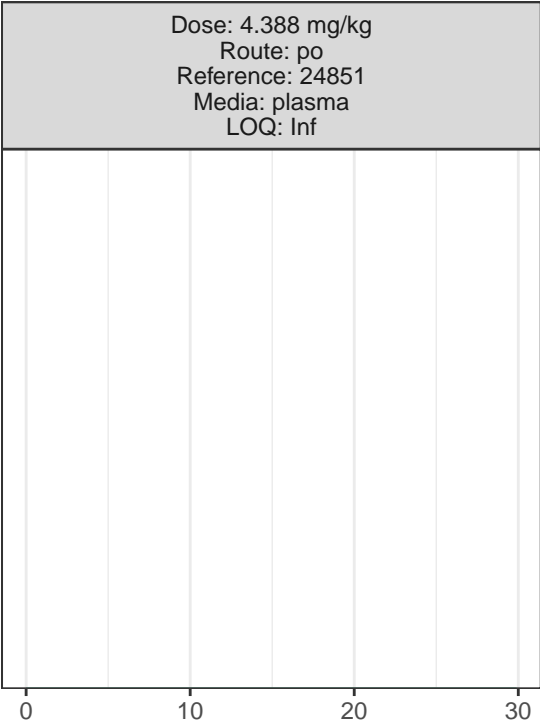
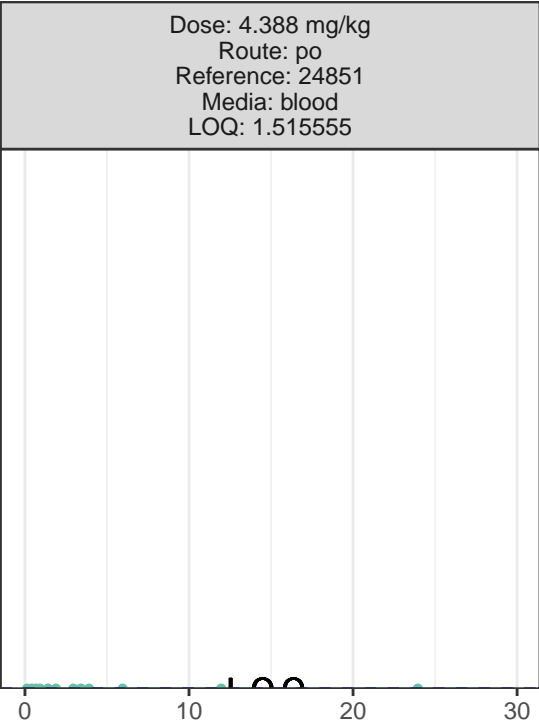
## ipragliflozin (flat)



# isoeugenol (flat)



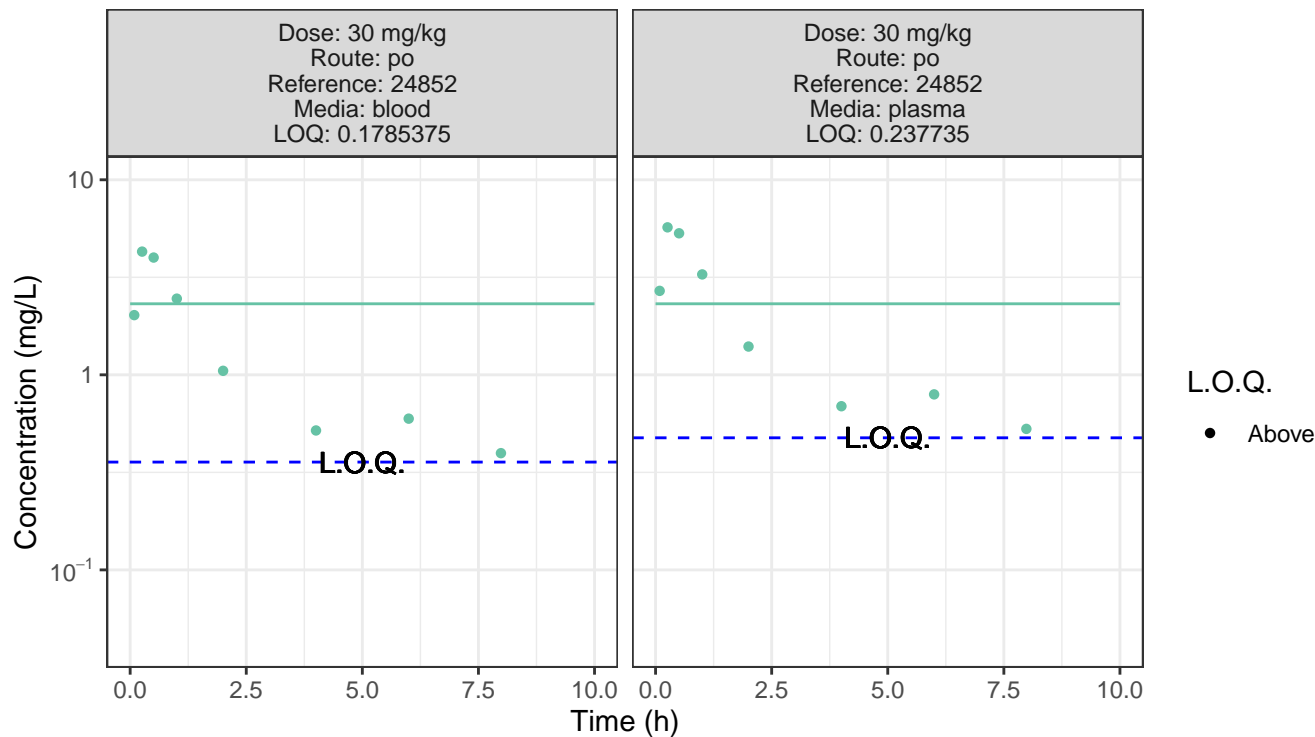
isopsoralen (flat)



L.O.Q.

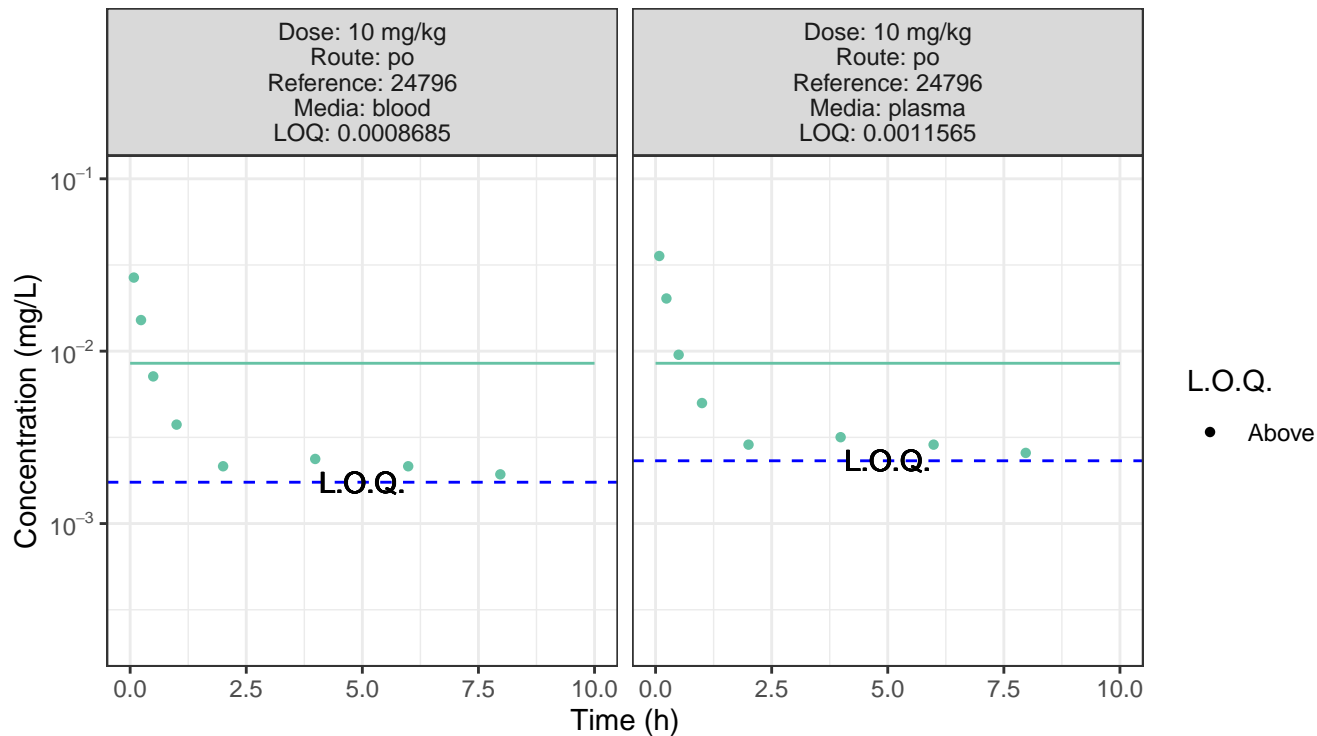
- Above
- Below

## itopride (flat)

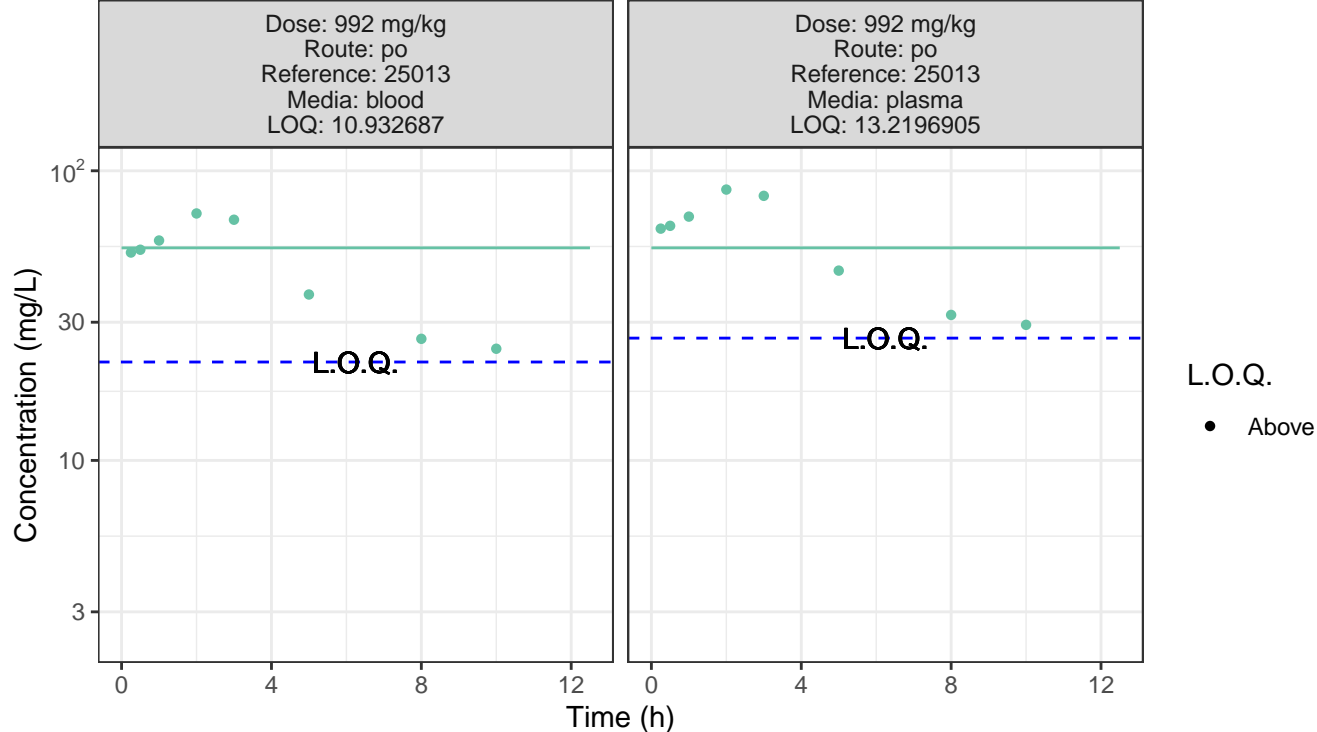




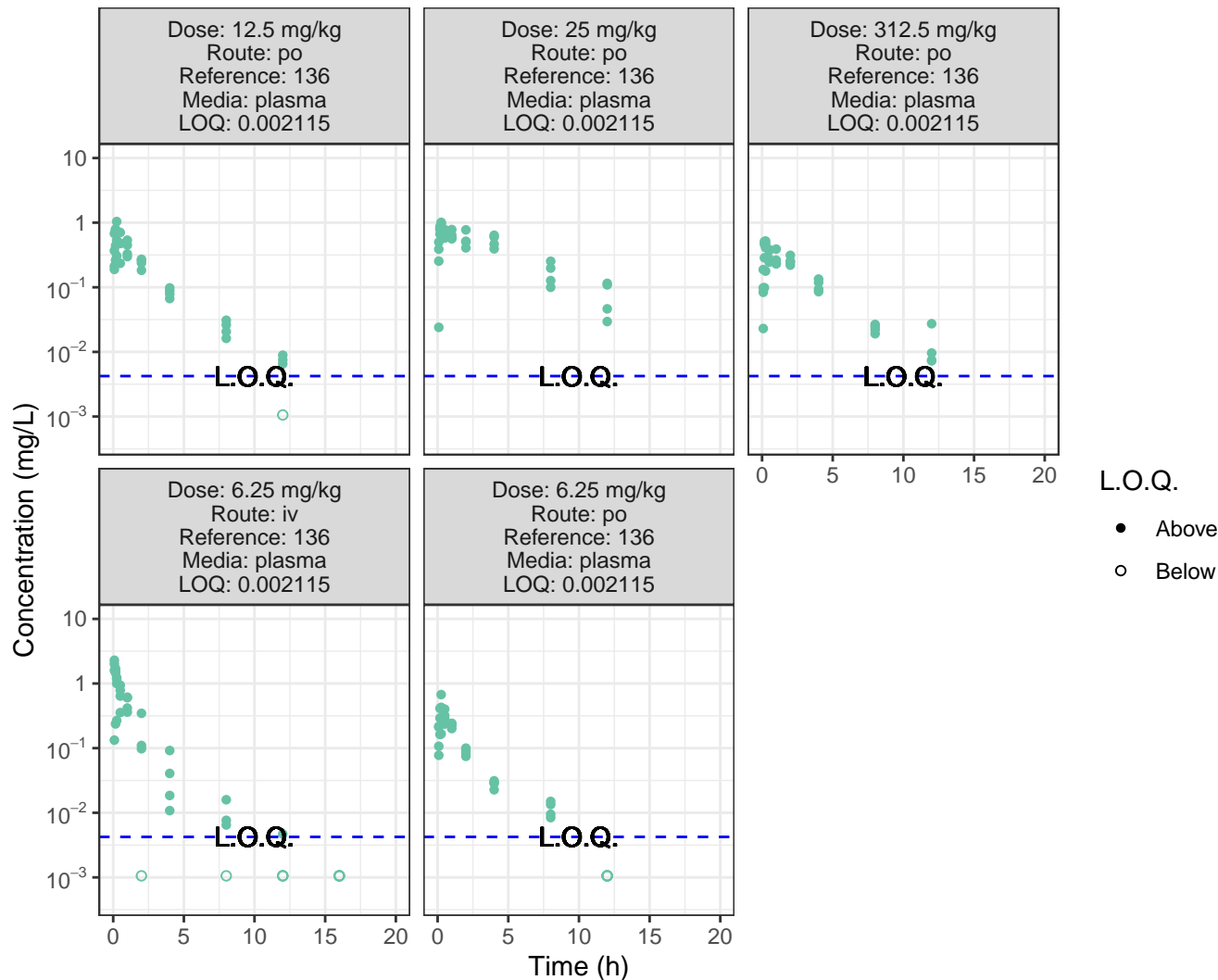
## ketoprofen (flat)



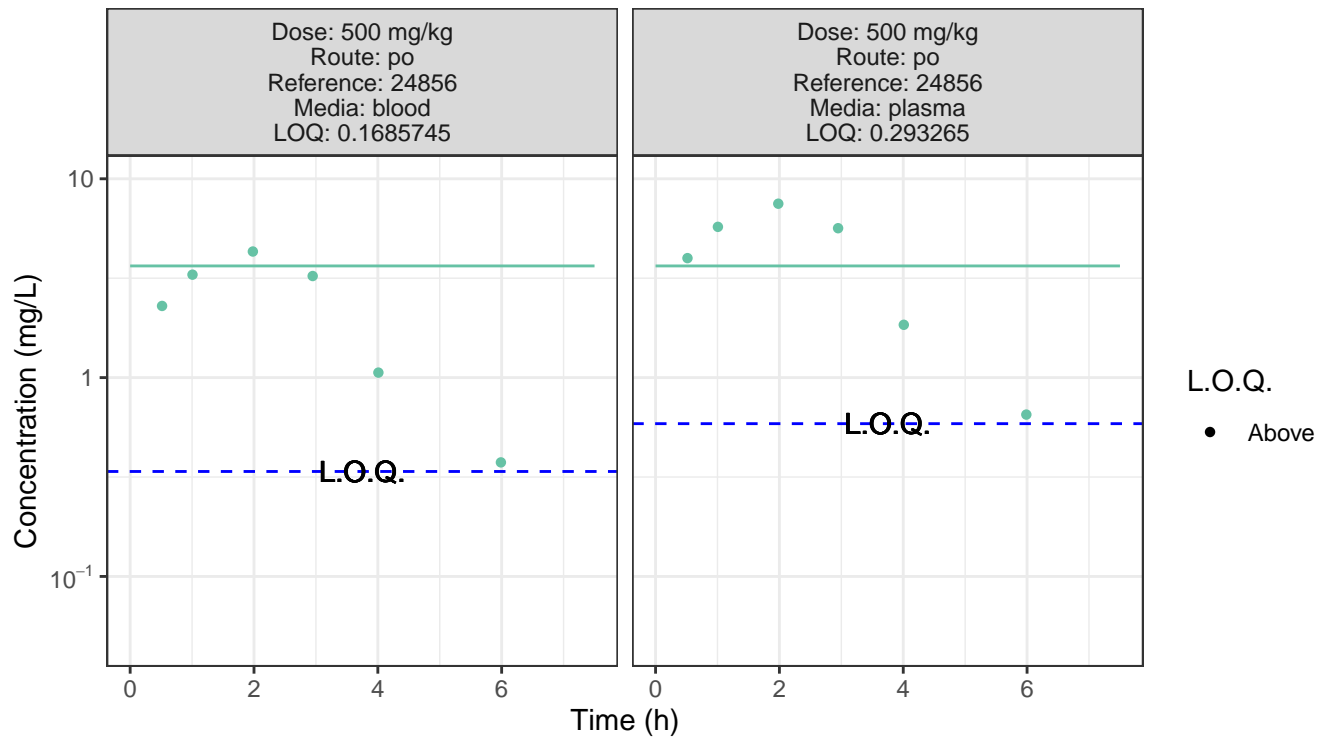
I-arginine (flat)



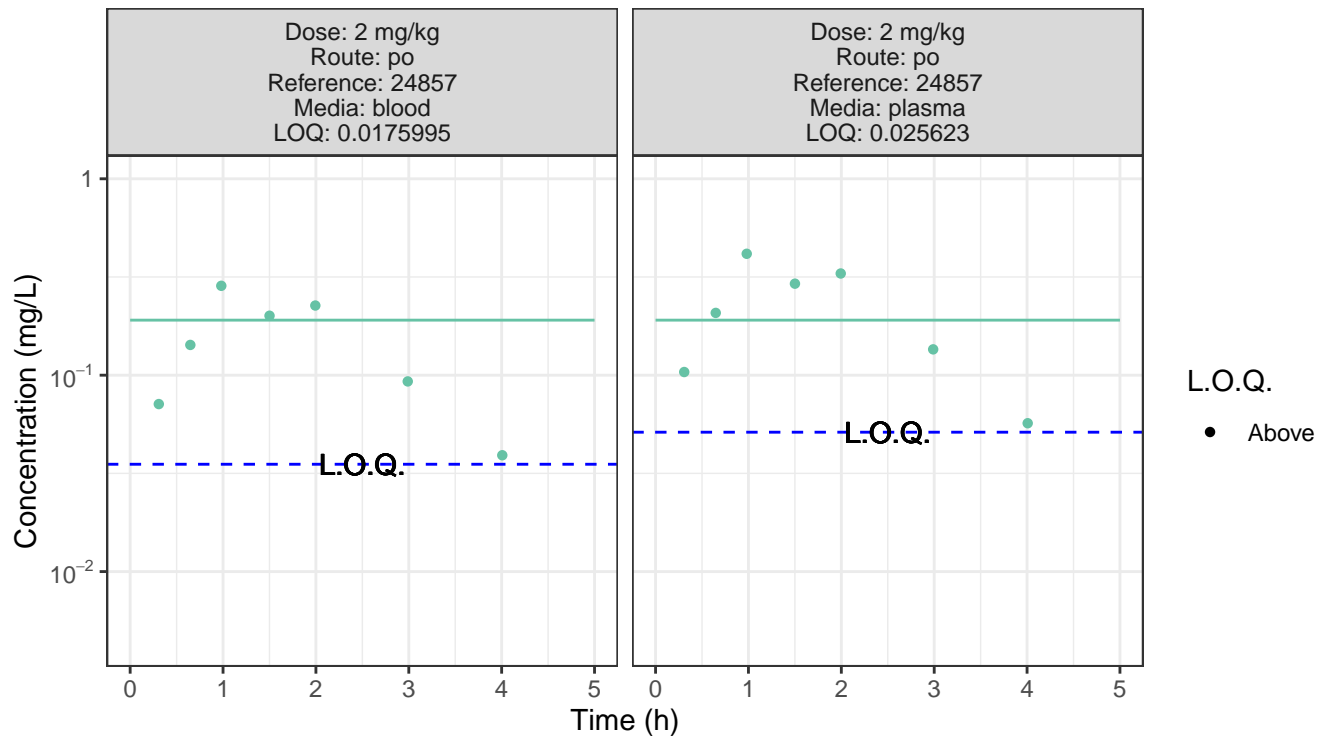
## l-ephedrine (flat)



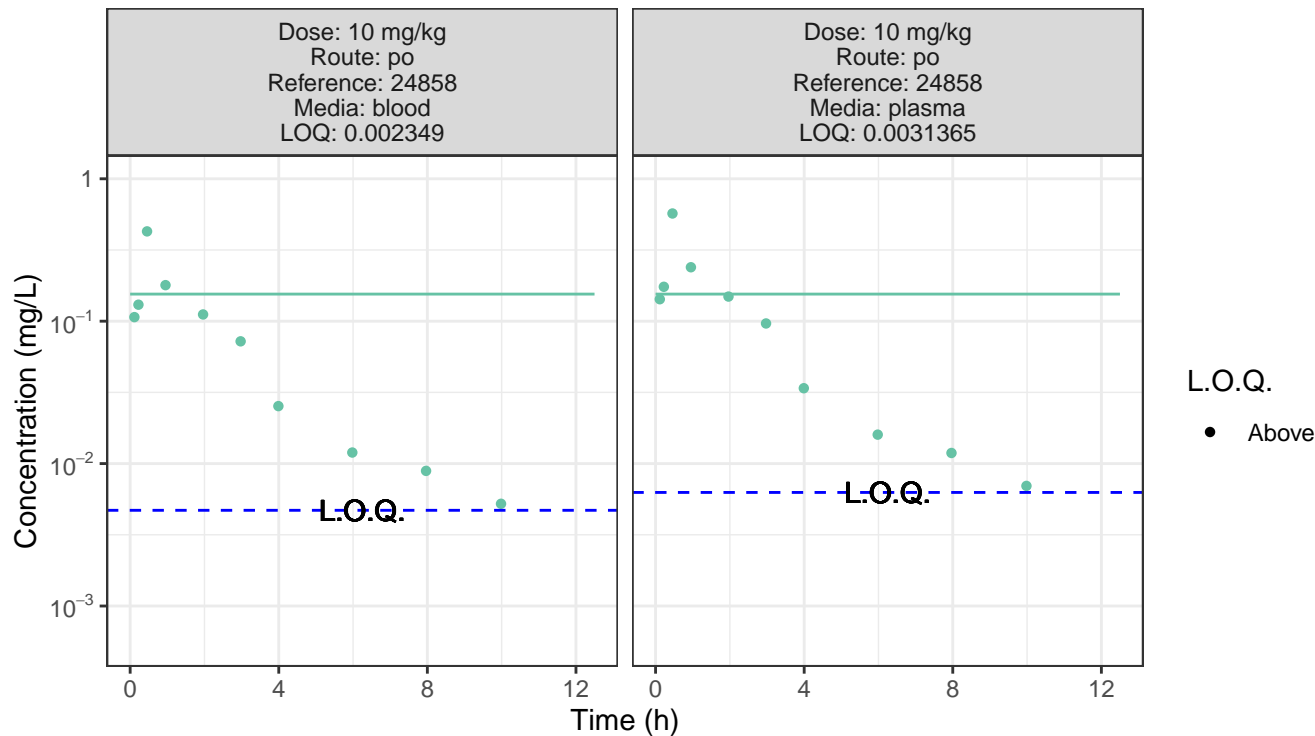
## lactitol (flat)



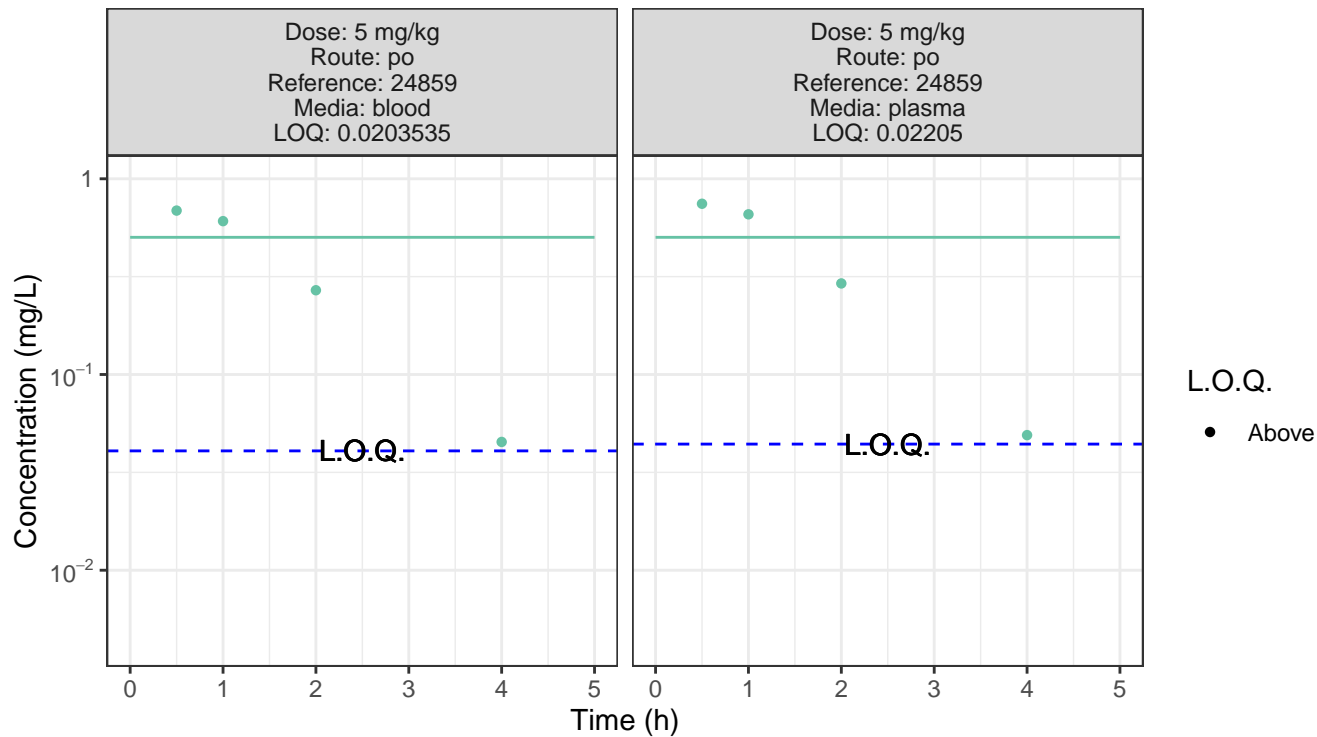
## lamivudine (flat)



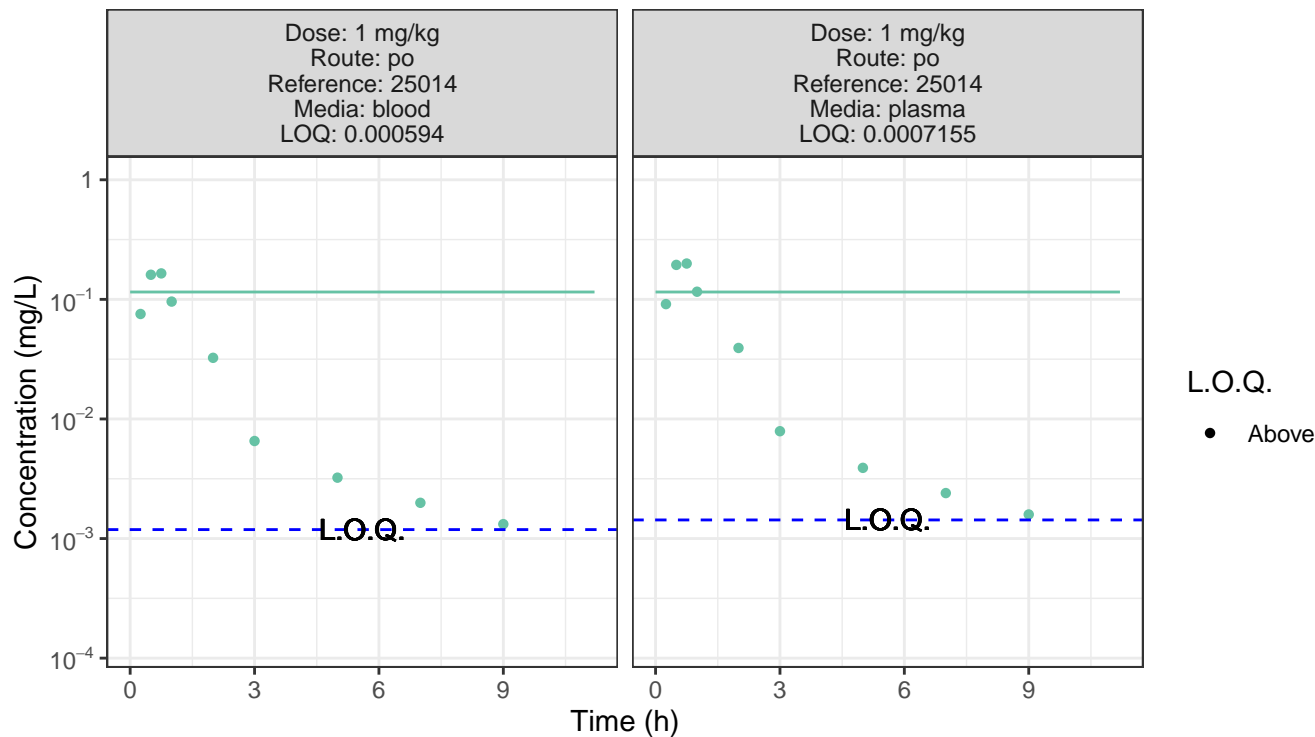
## lemildipine (flat)



## lenalidomide (flat)

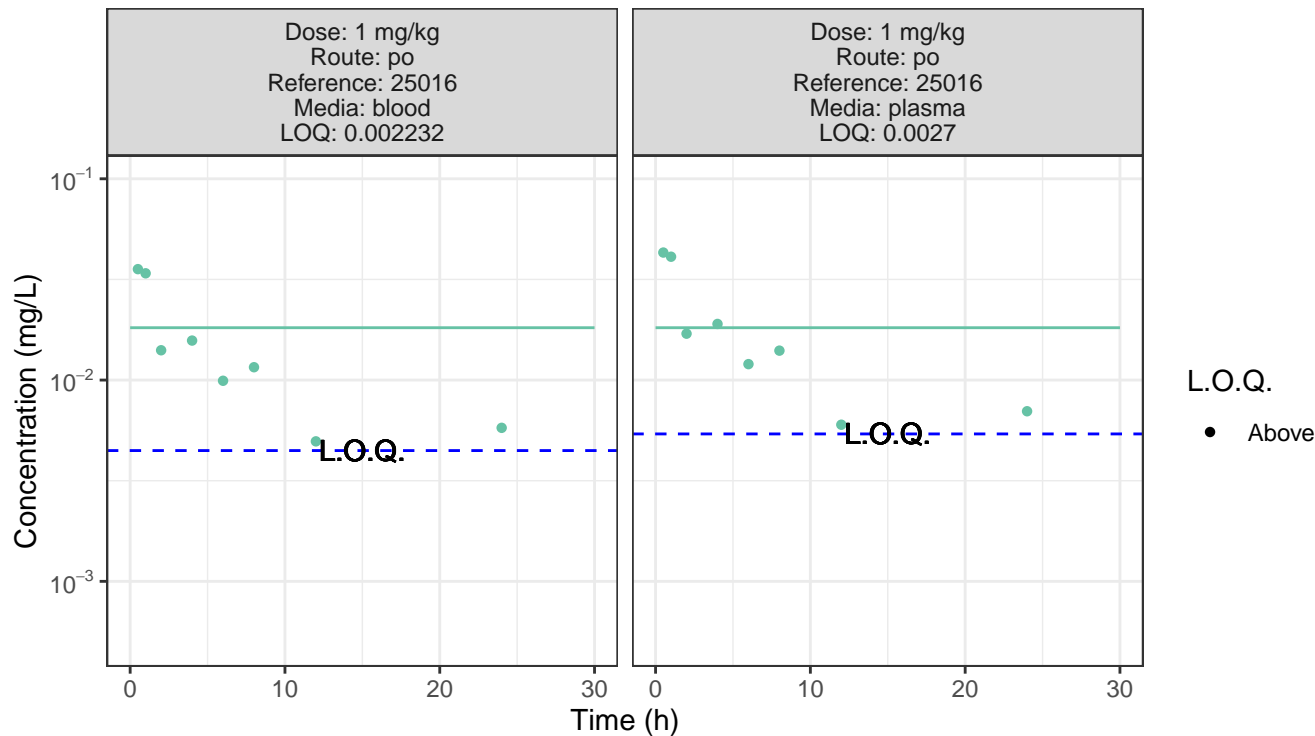


## Ietermovir (flat)

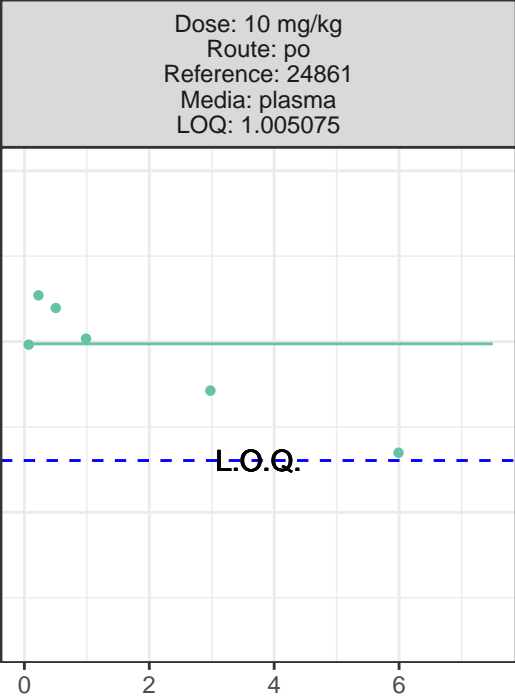
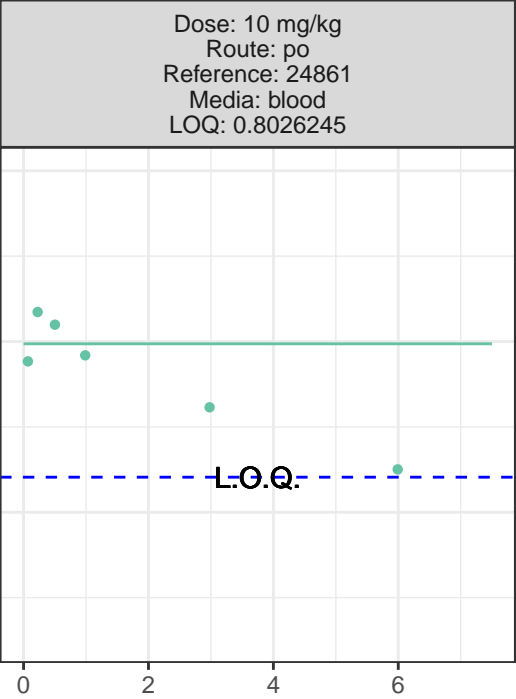




## lorazepam (flat)

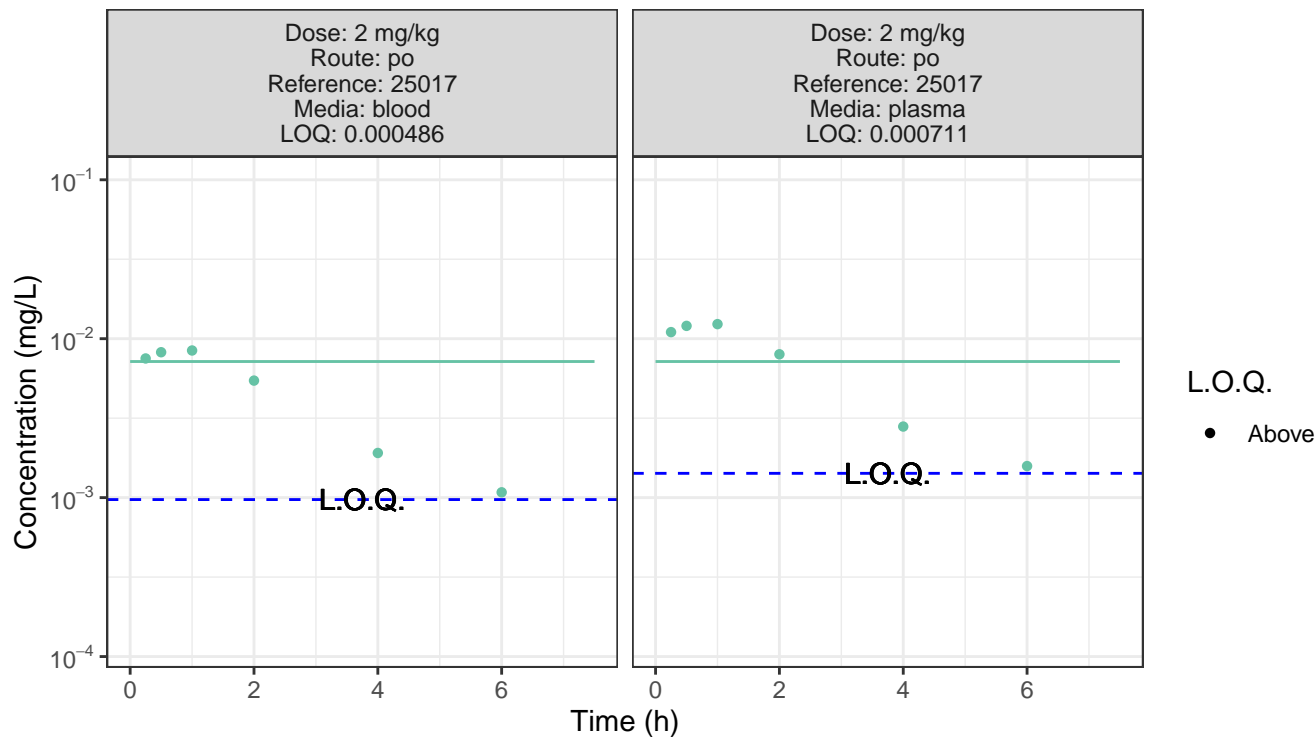


loxoprofen (flat)



L.O.Q.  
• Above

## Iurasidone (flat)



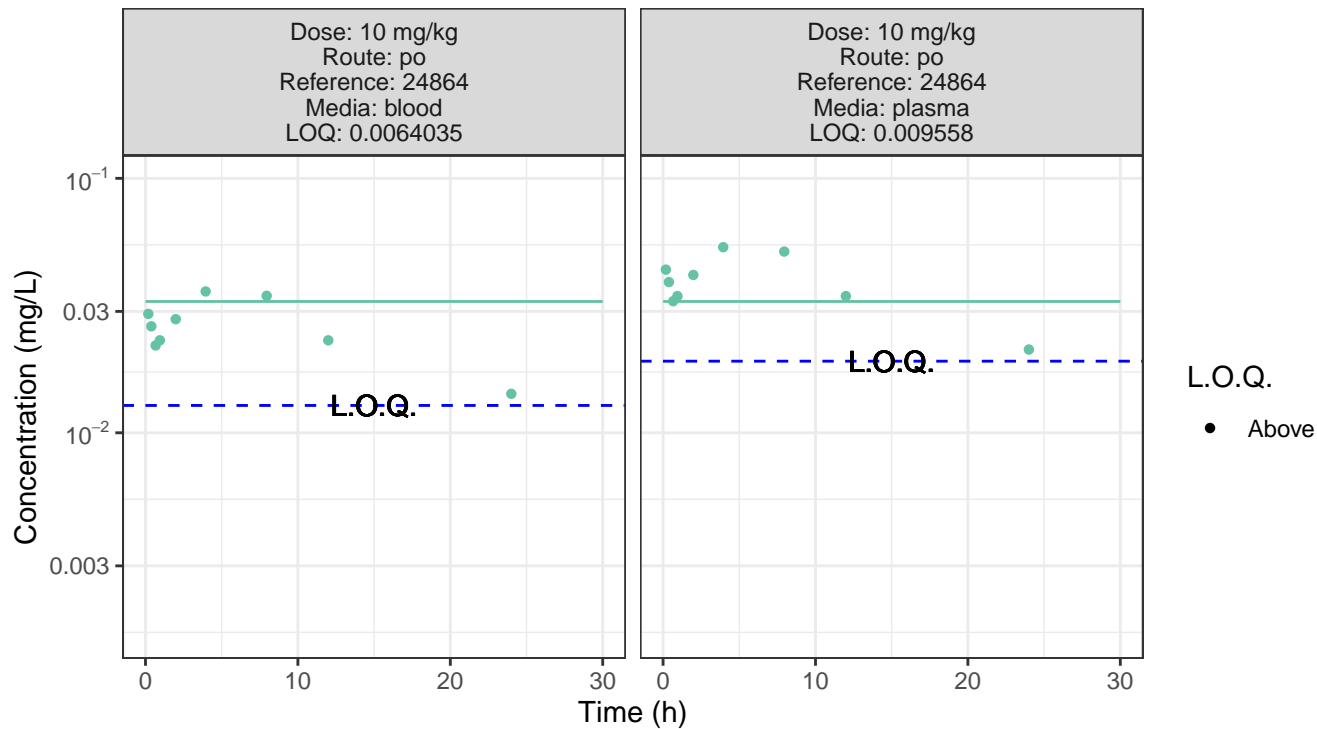
m-cresol (flat)



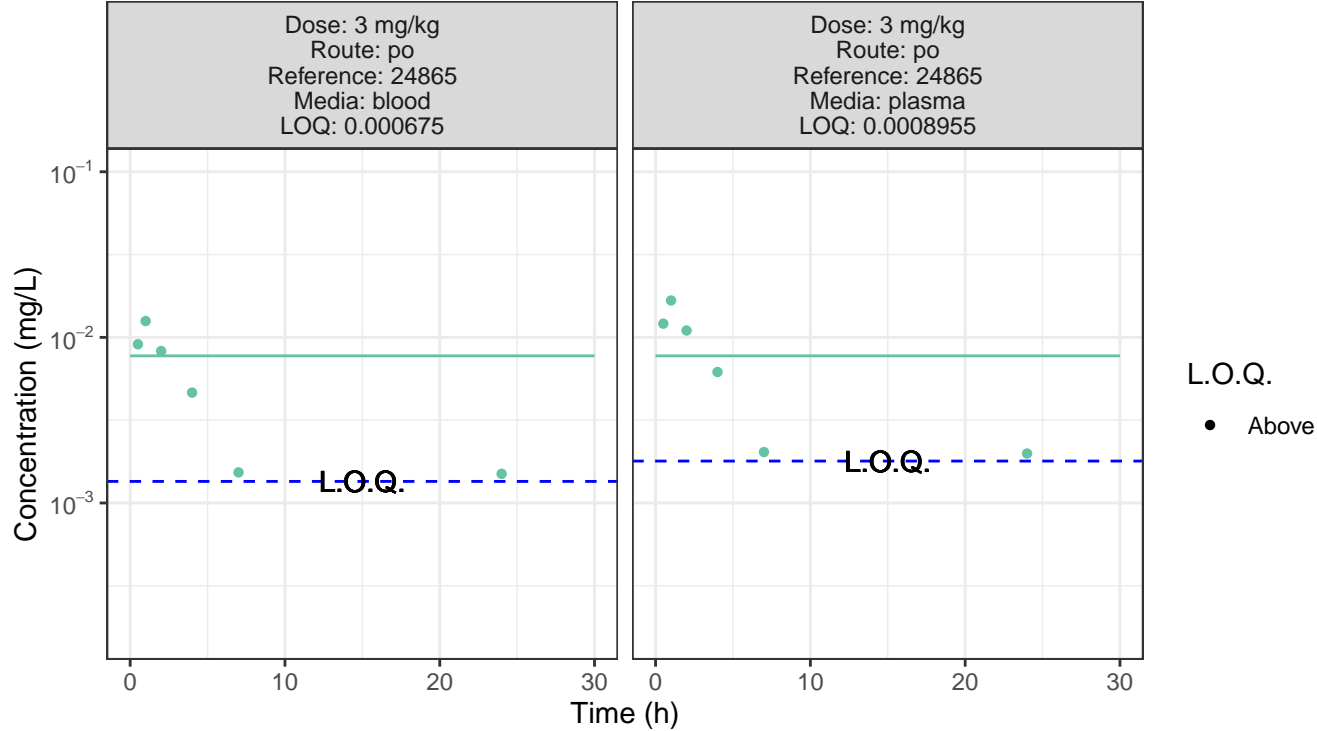
L.O.Q.

• Above

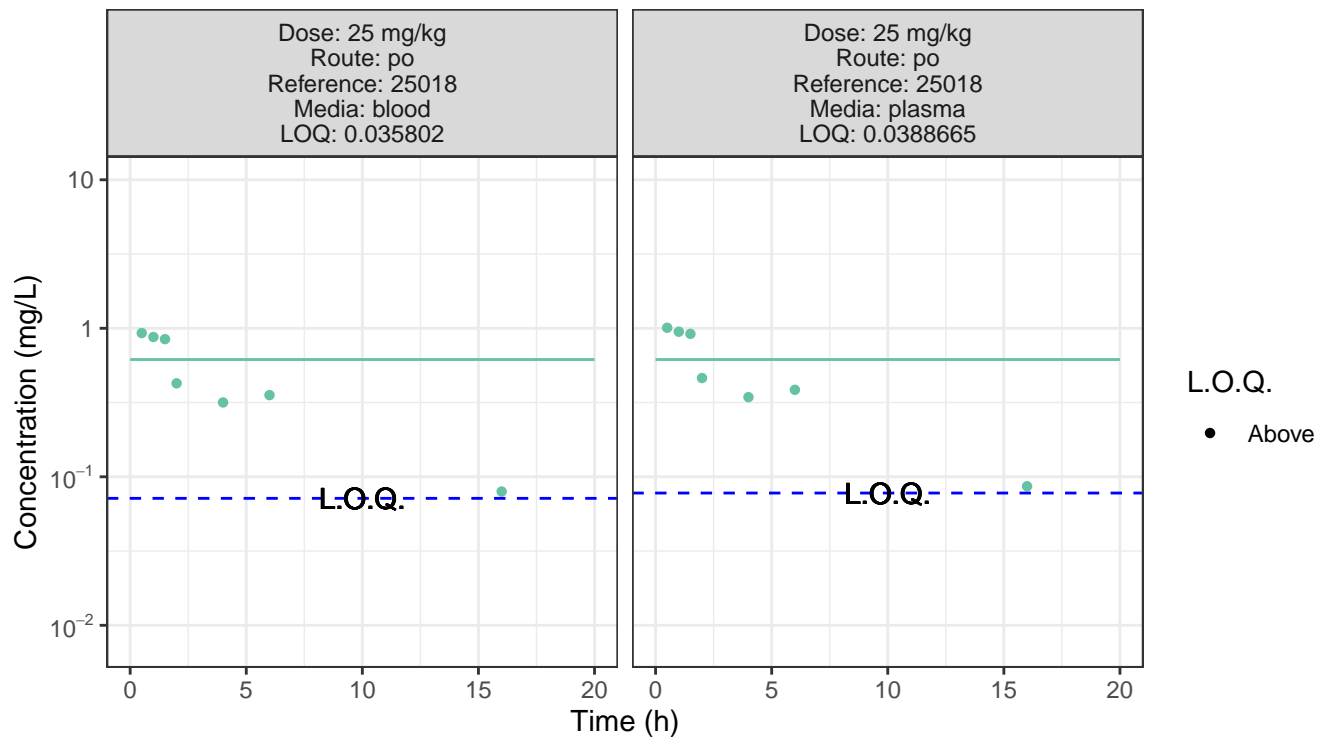
## macelignan (flat)



melengestrol acetate (flat)

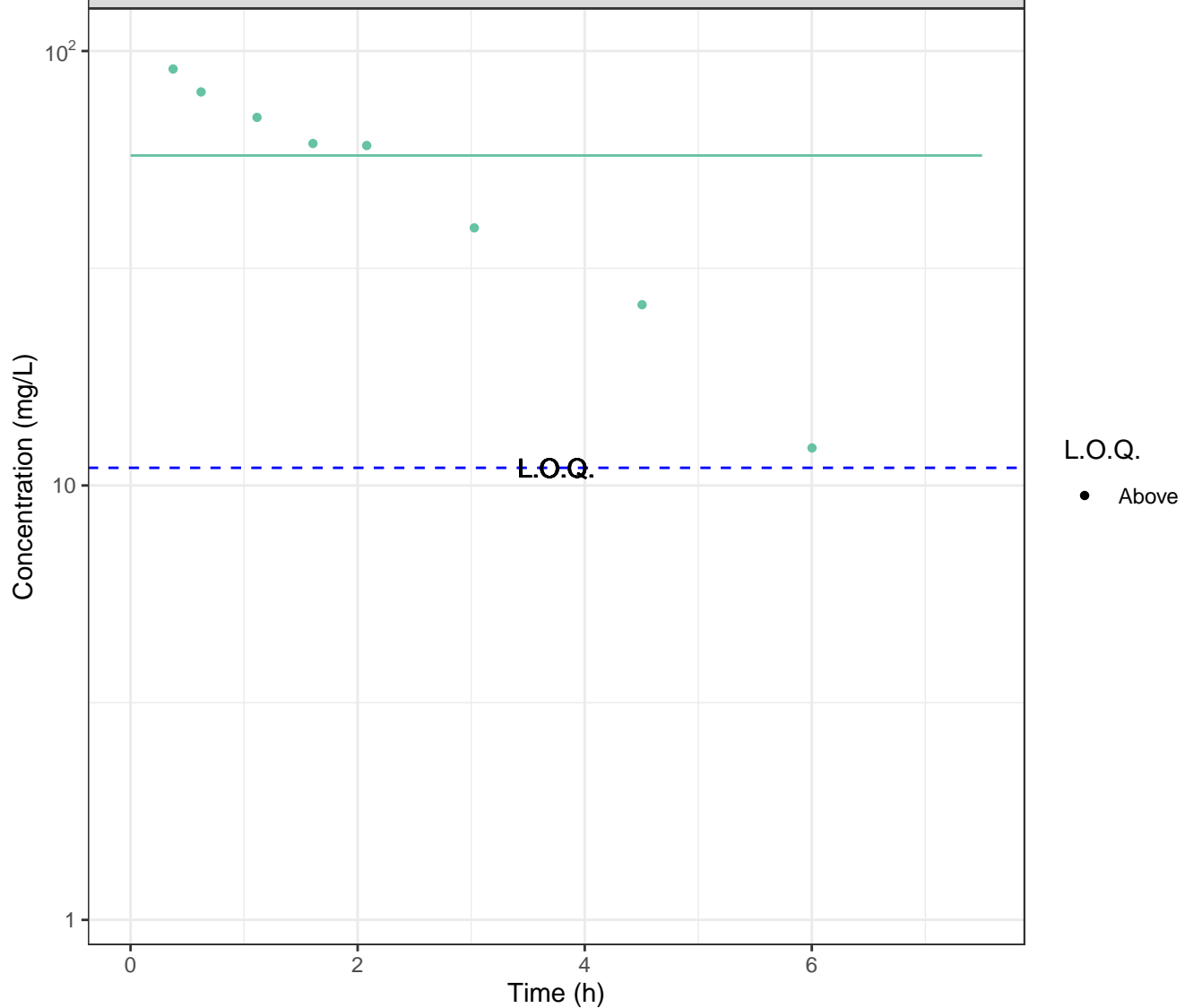


## memantine (flat)



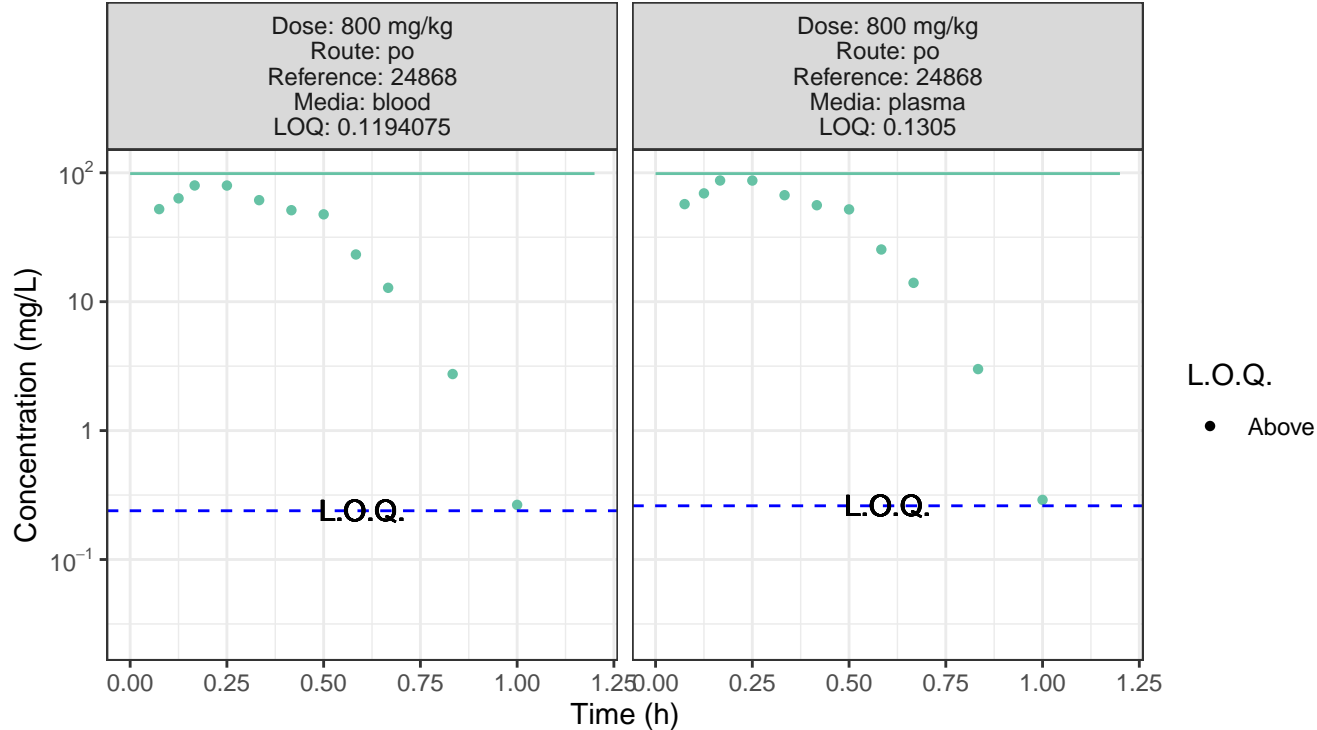
methanol (flat)

Dose: 100 mg/kg  
Route: iv  
Reference: 17  
Media: blood  
LOQ: 5.49036

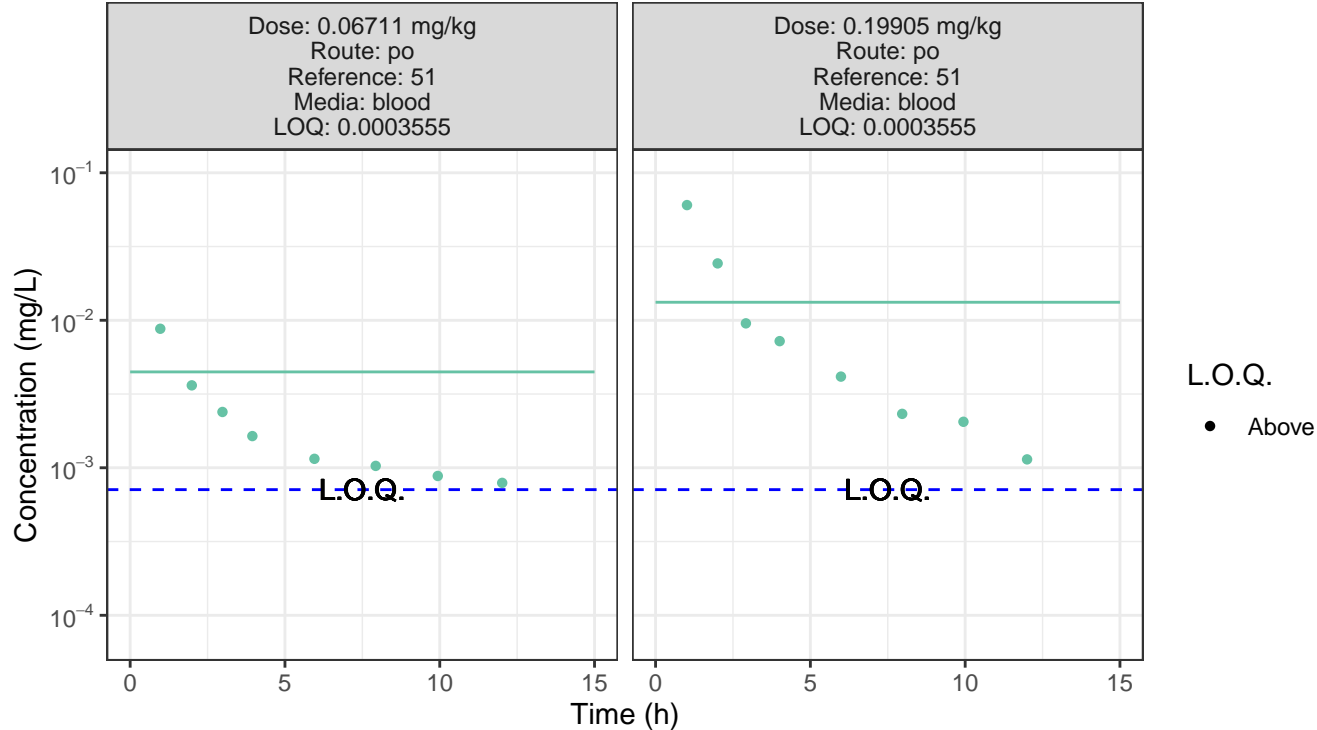




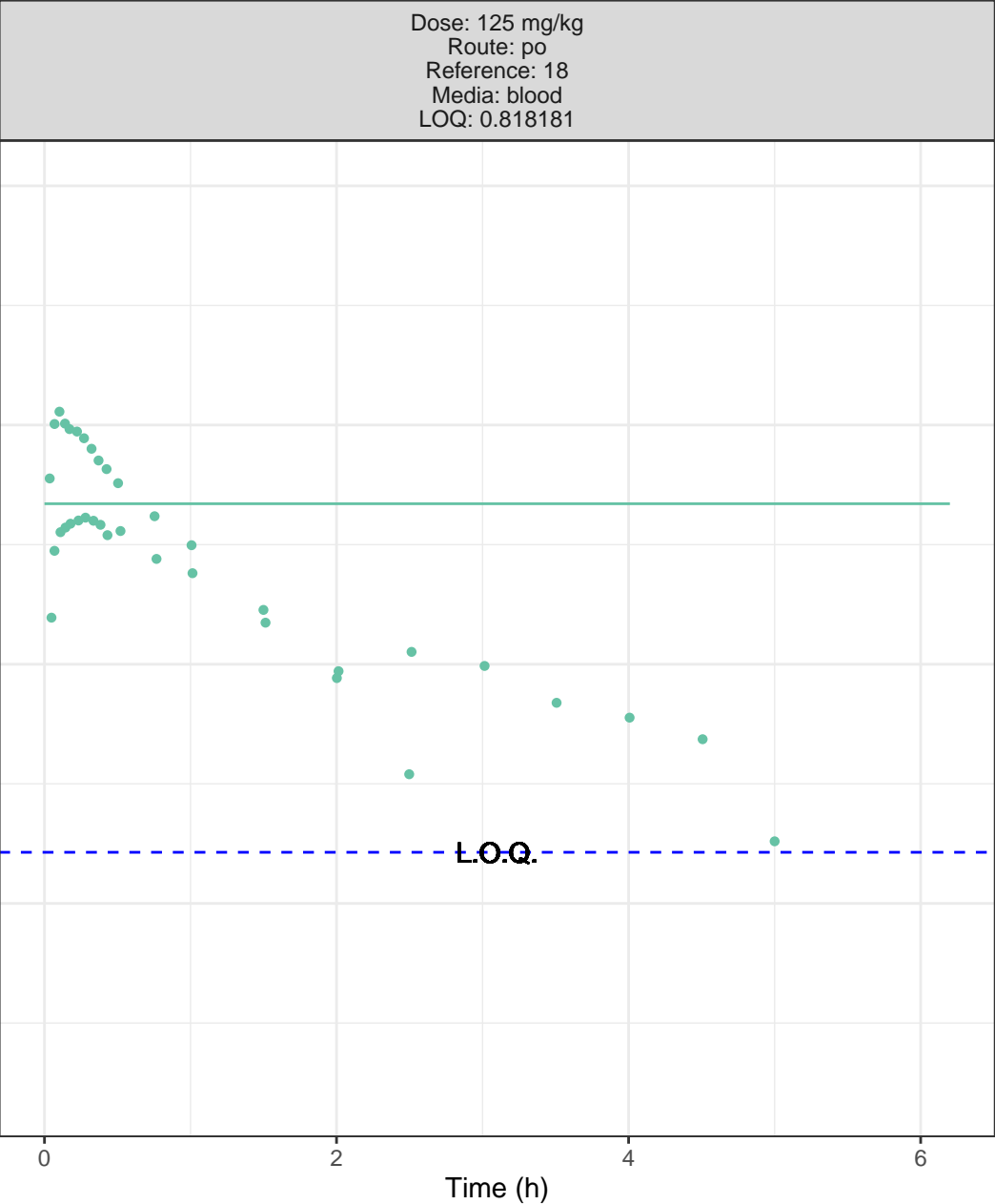
methyl methacrylate (flat)



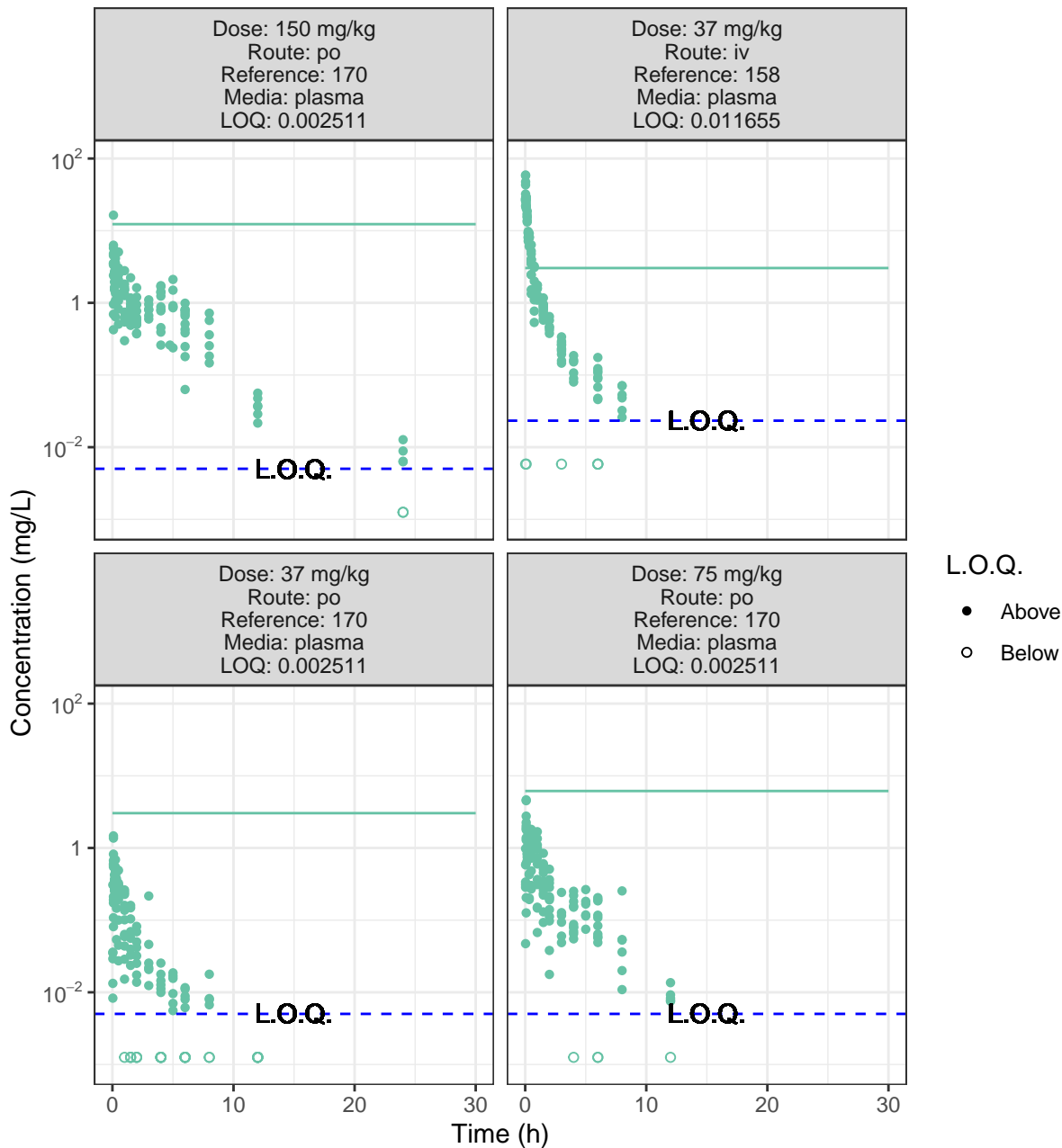
methyl tert-butyl ether (flat)



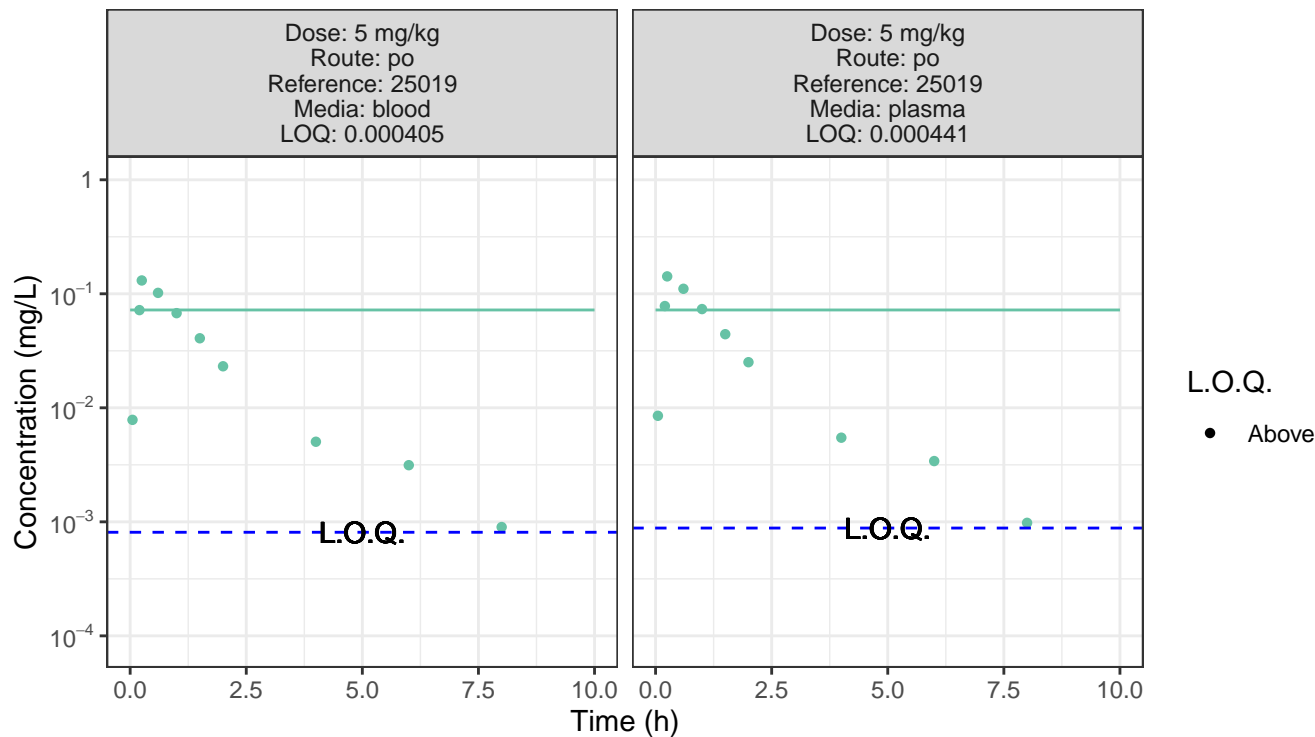
methylene chloride (flat)



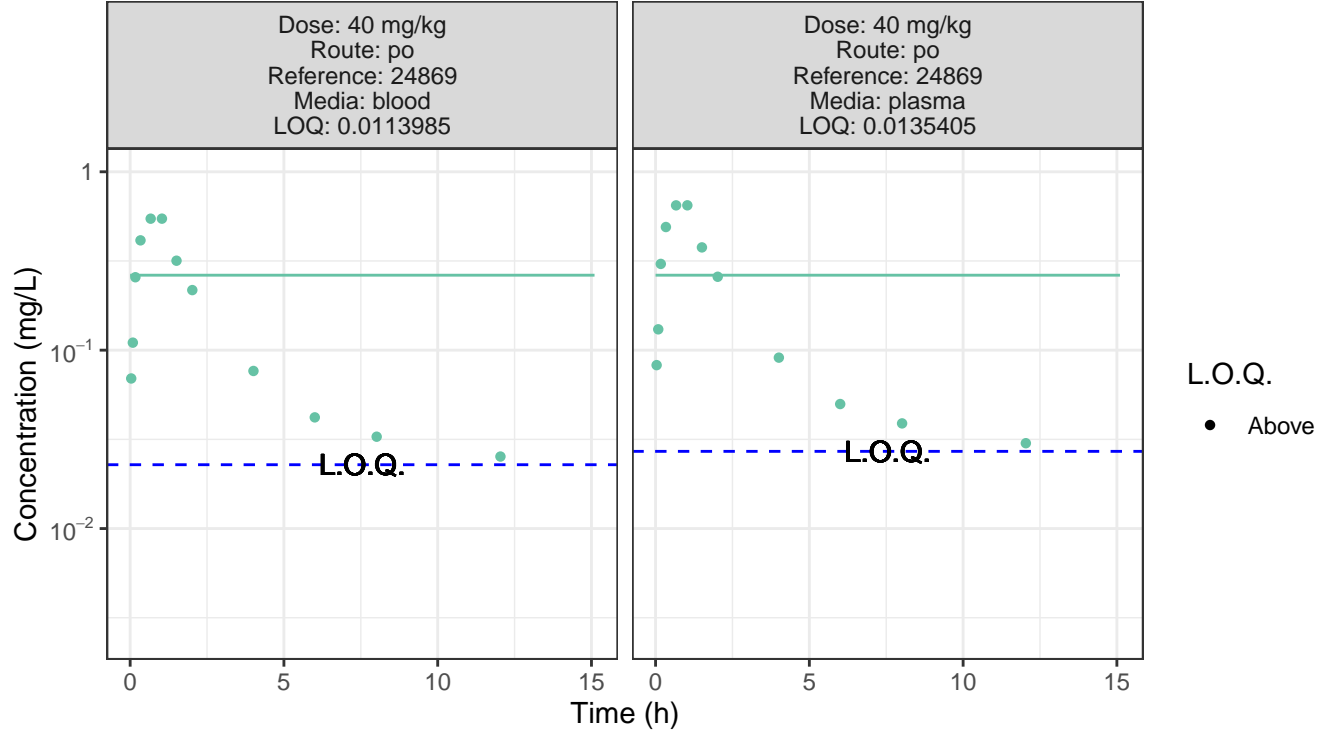
# methyleugenol (flat)



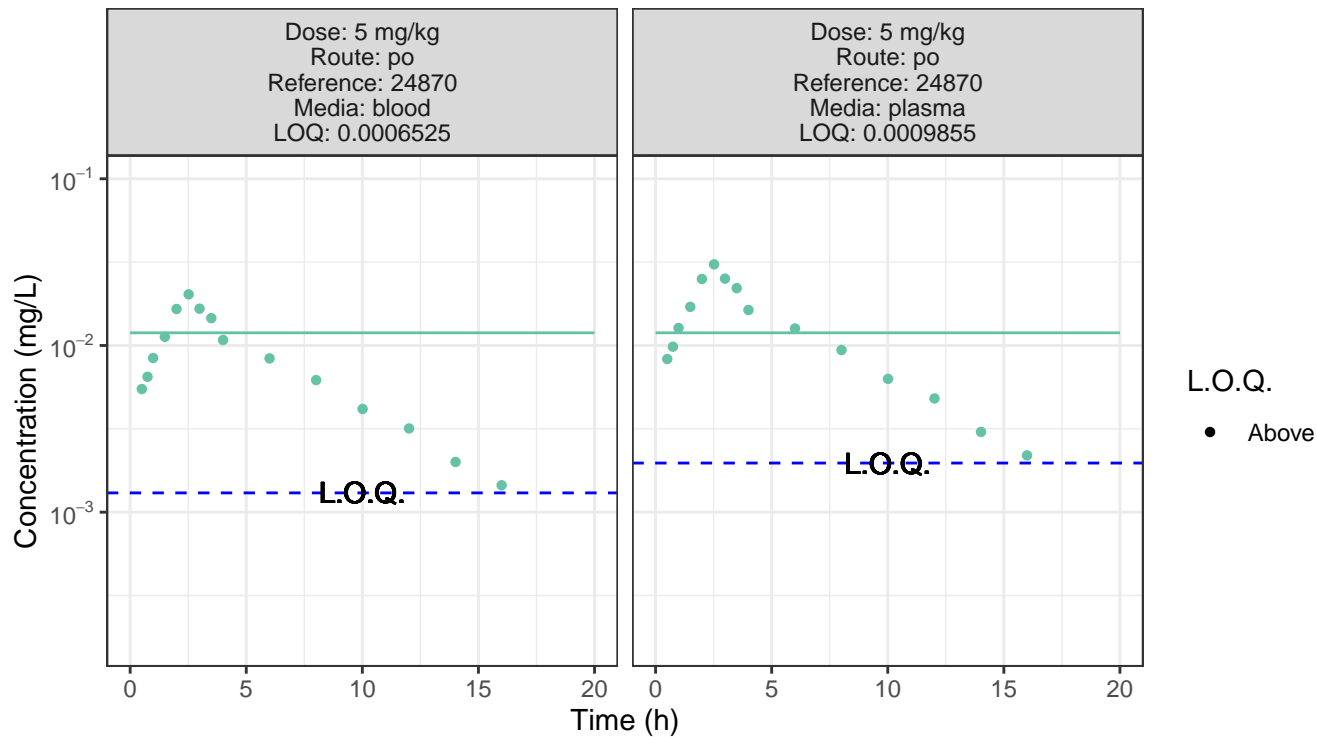
## methylphenidate (flat)



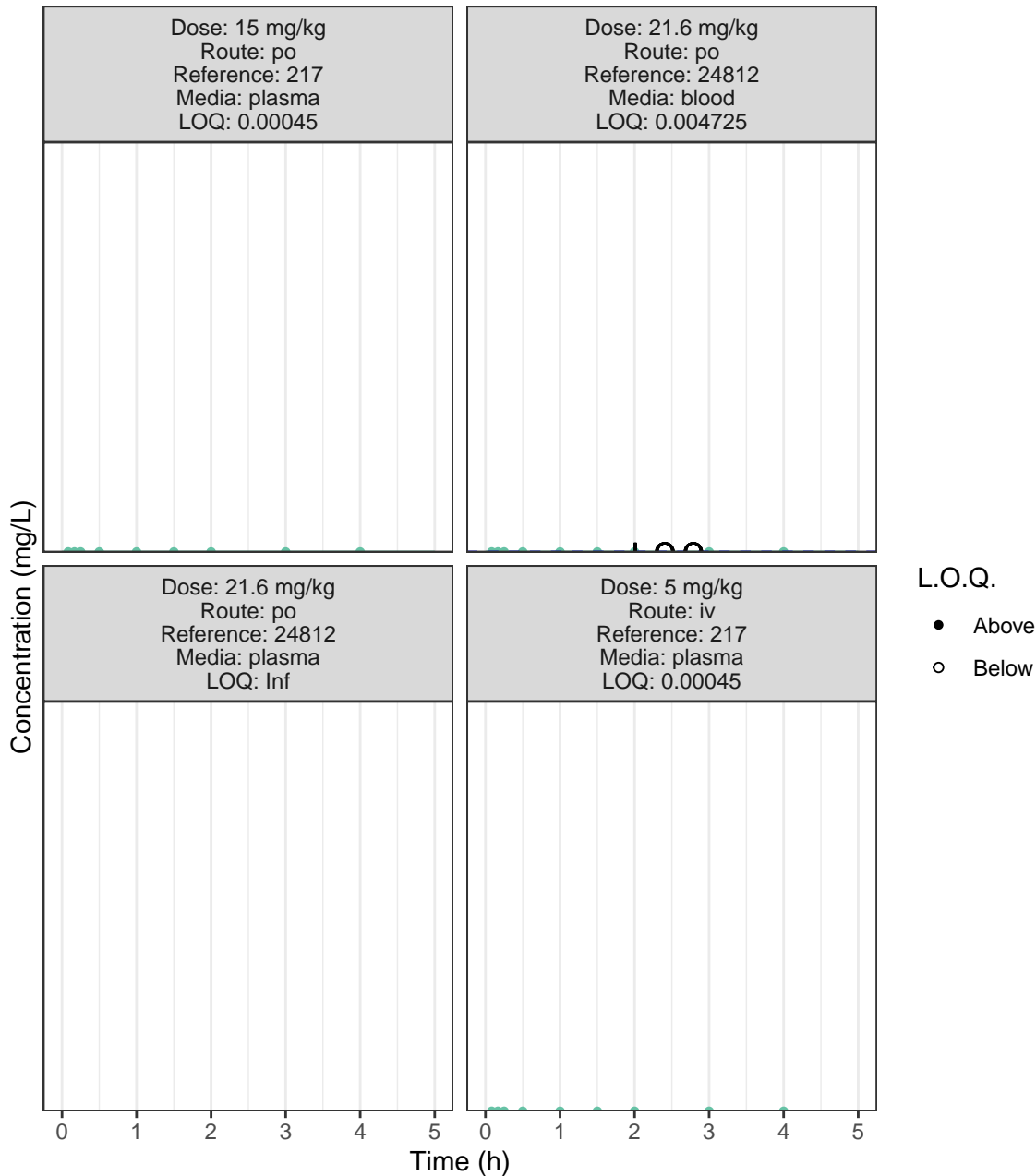
metoprolol (flat)



## miconazole (flat)

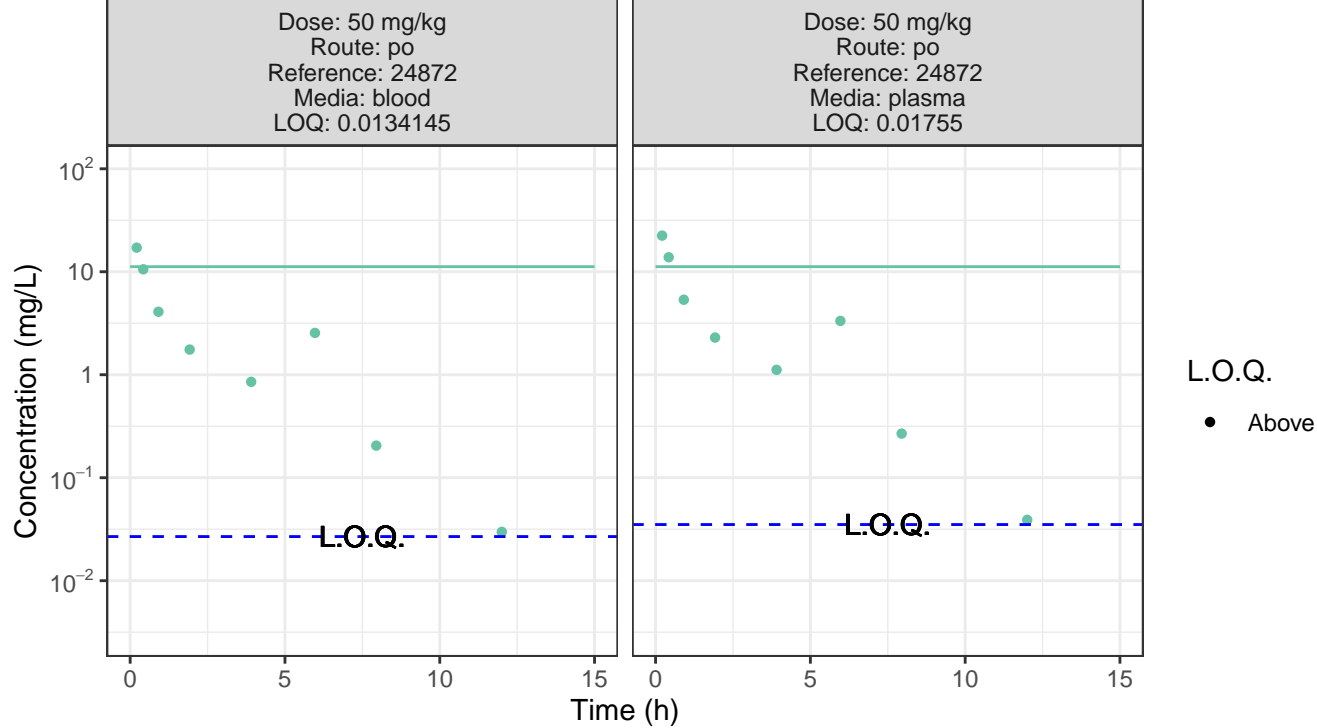


# midazolam (flat)

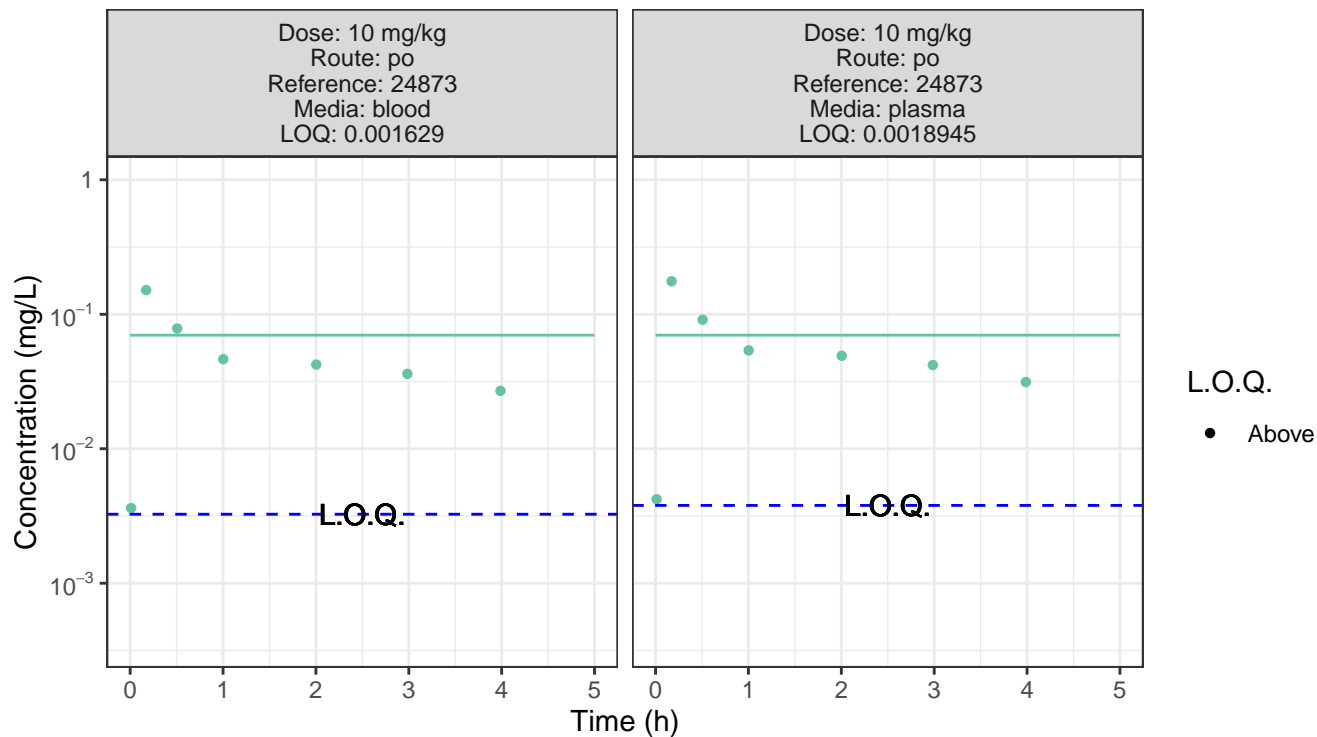




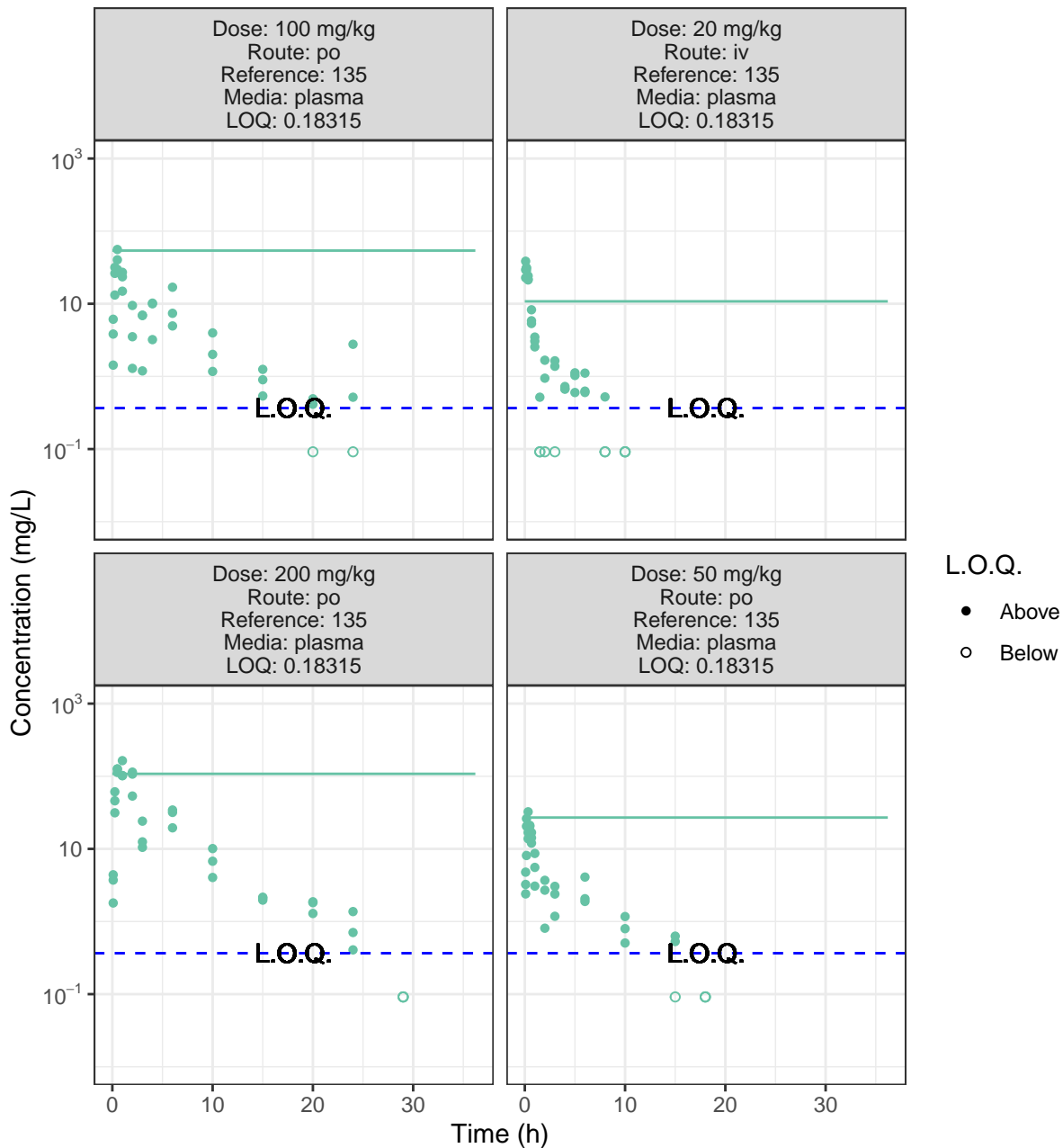
mofezolac (flat)



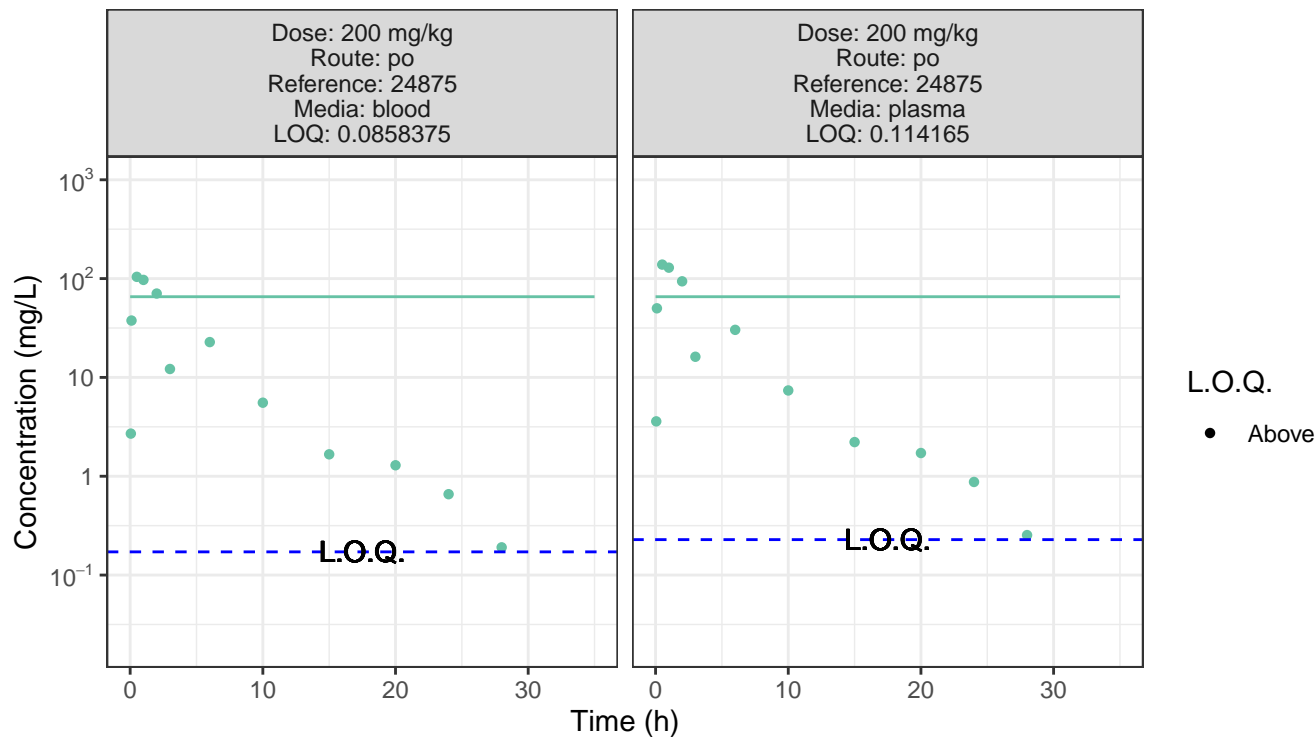
## molinate (flat)



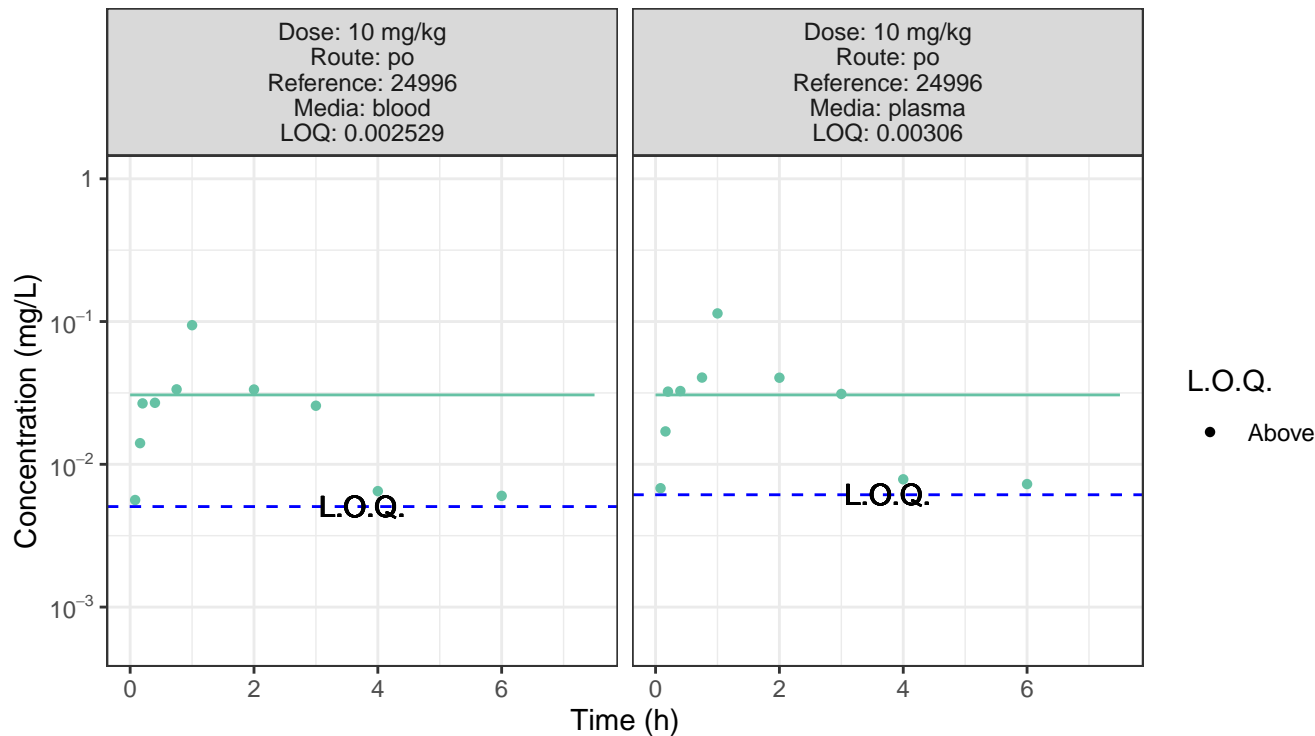
# mono-n-butyl phthalate (flat)



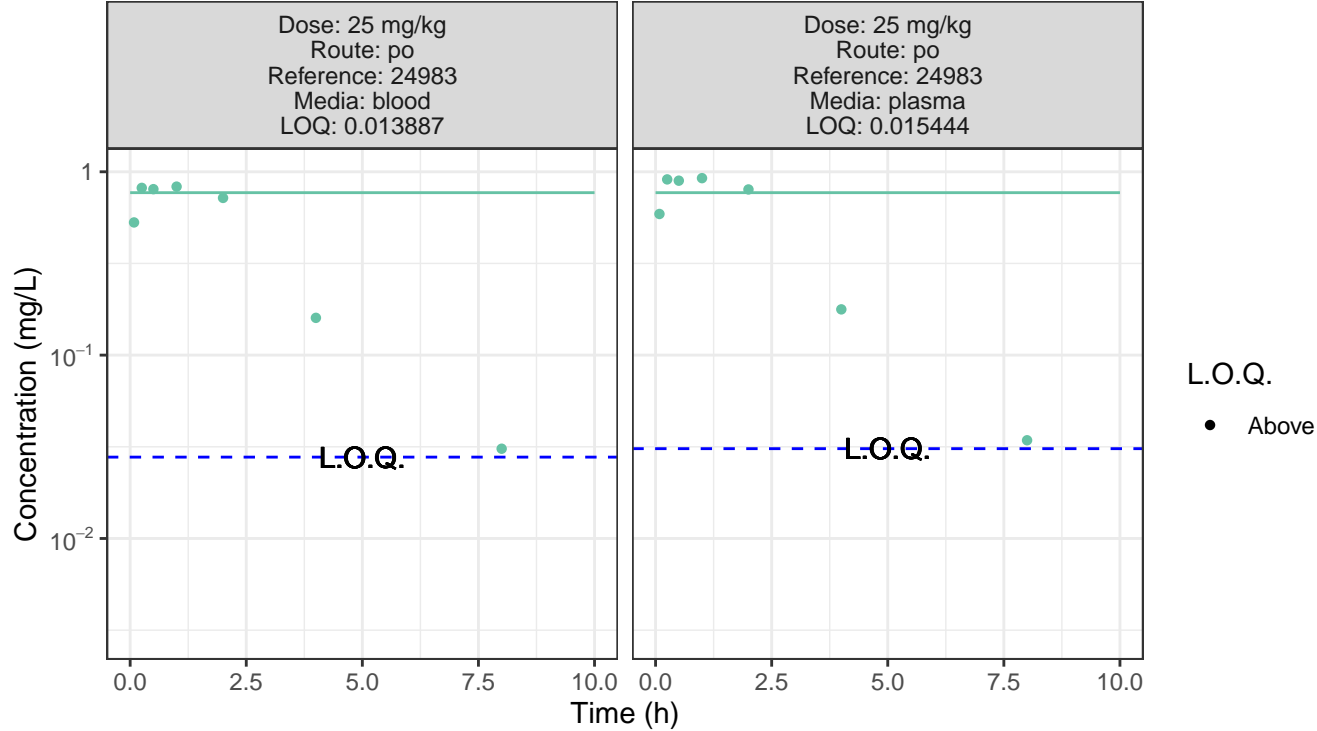
## monobutyl phthalate (flat)



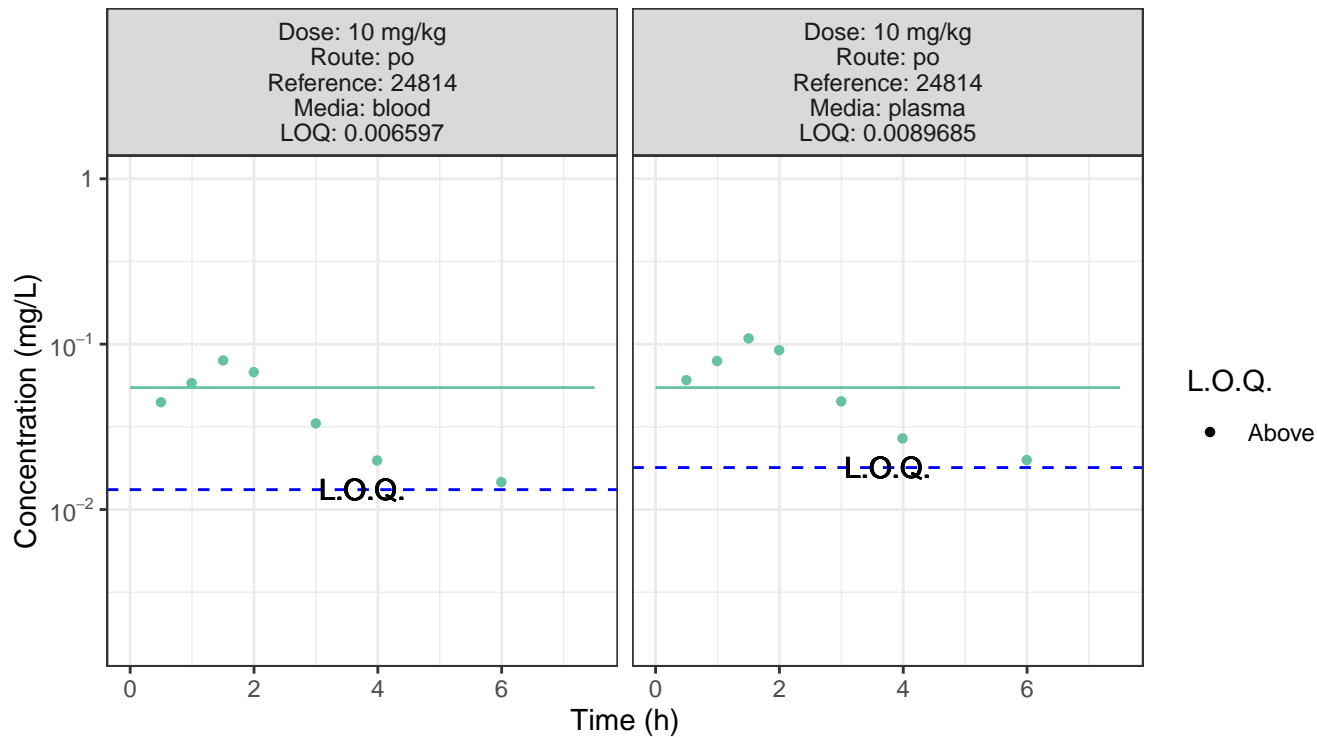
## morphine (flat)



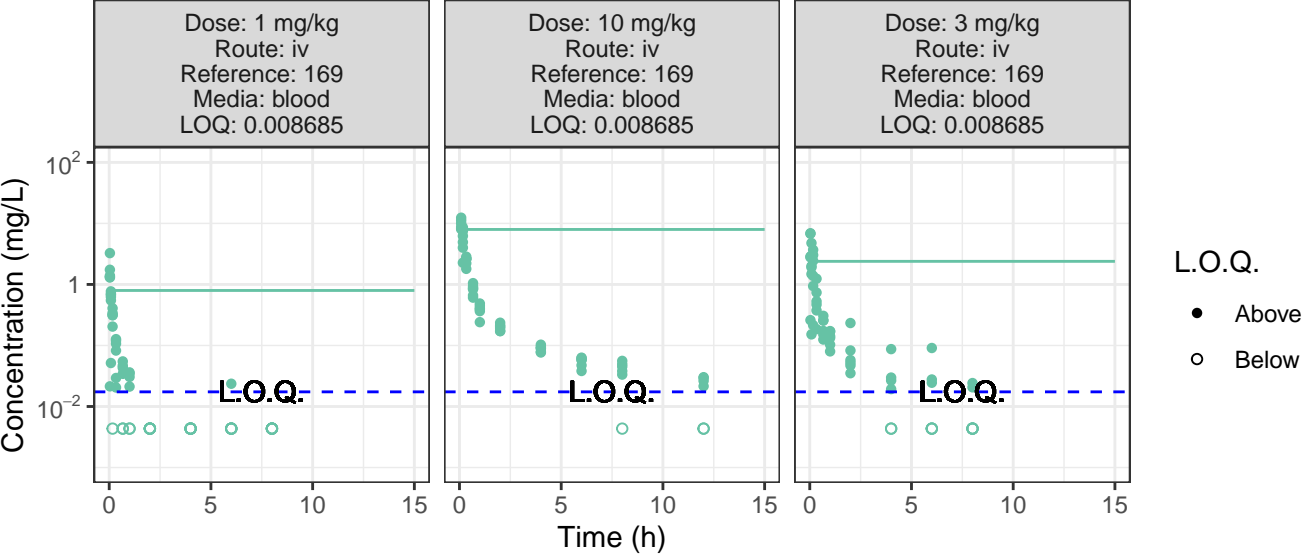
n,n-dimethylaniline (flat)



# nadolol (flat)

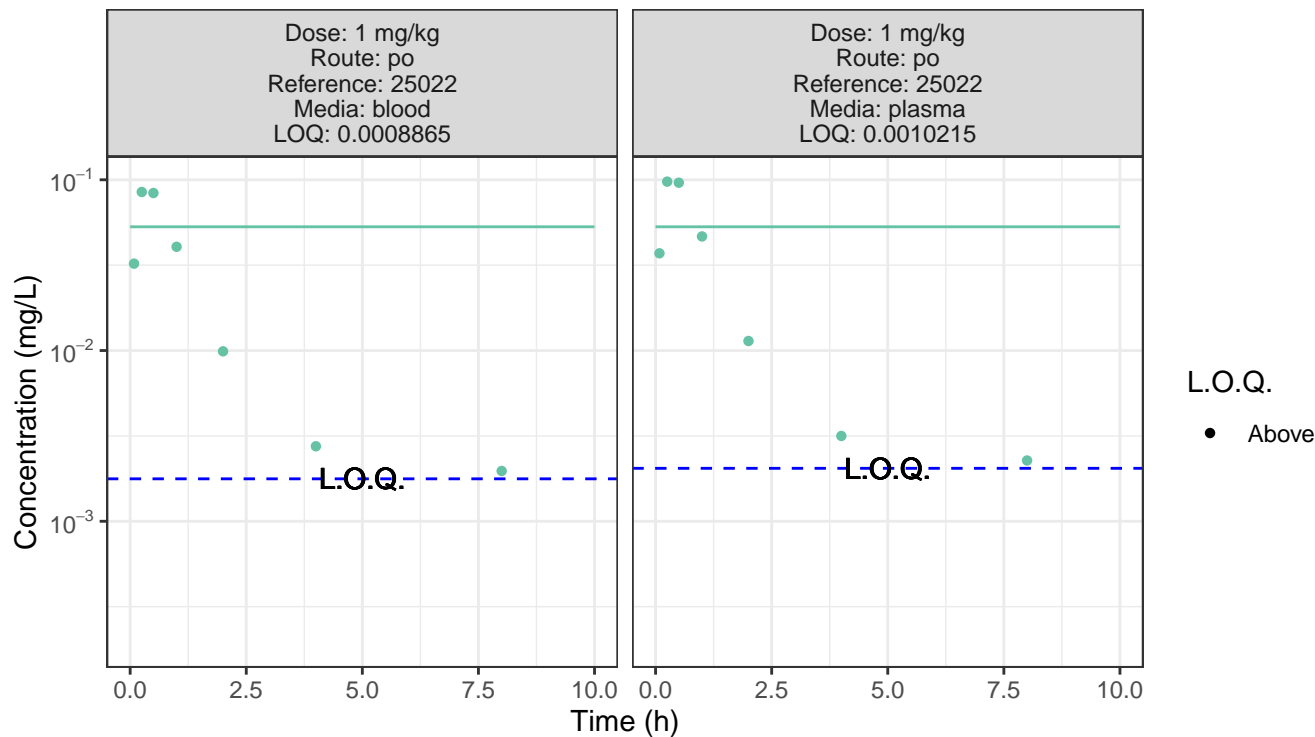


naphthalene (flat)

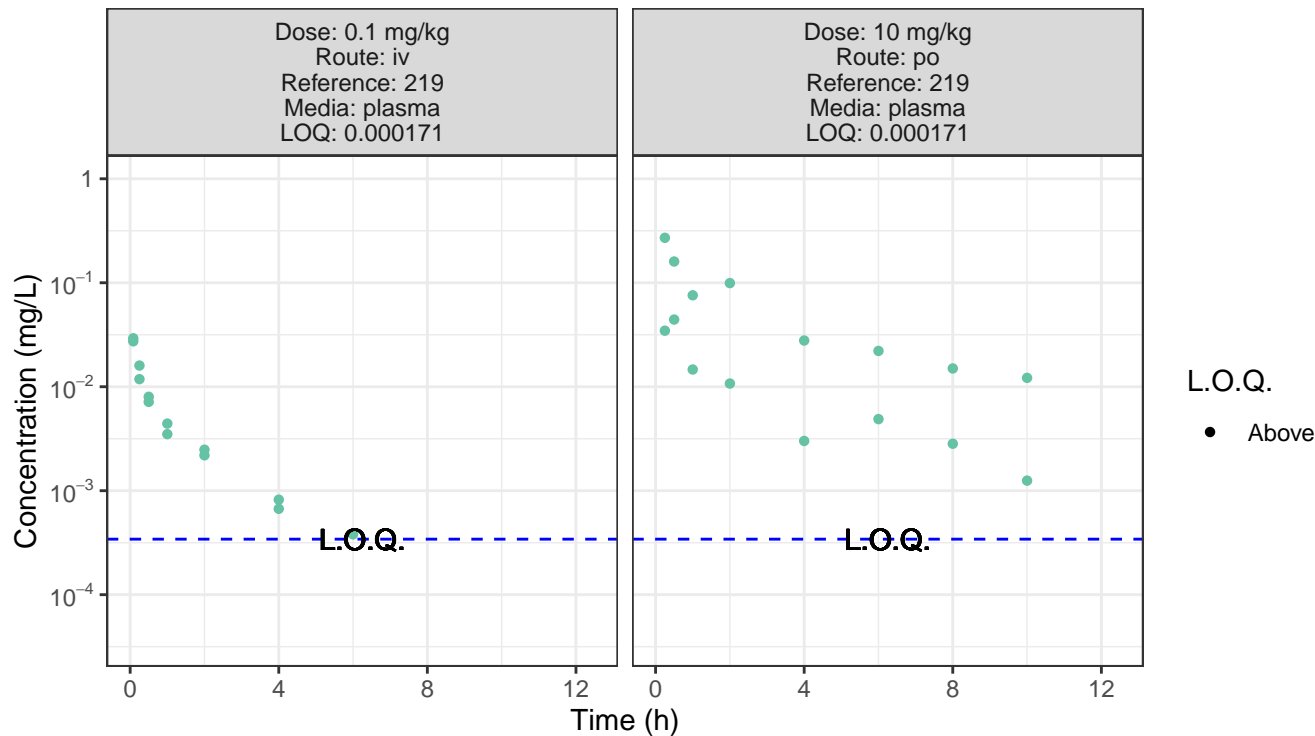




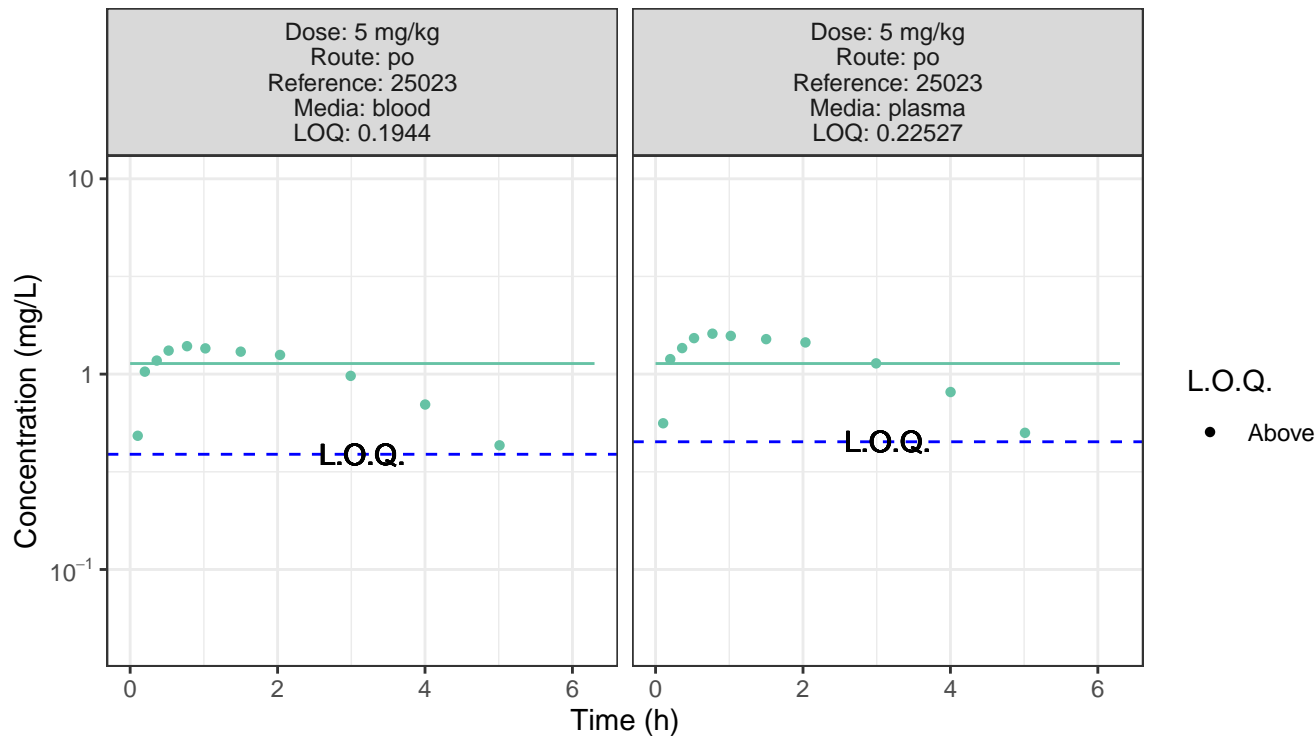
# neopetasitenine (flat)



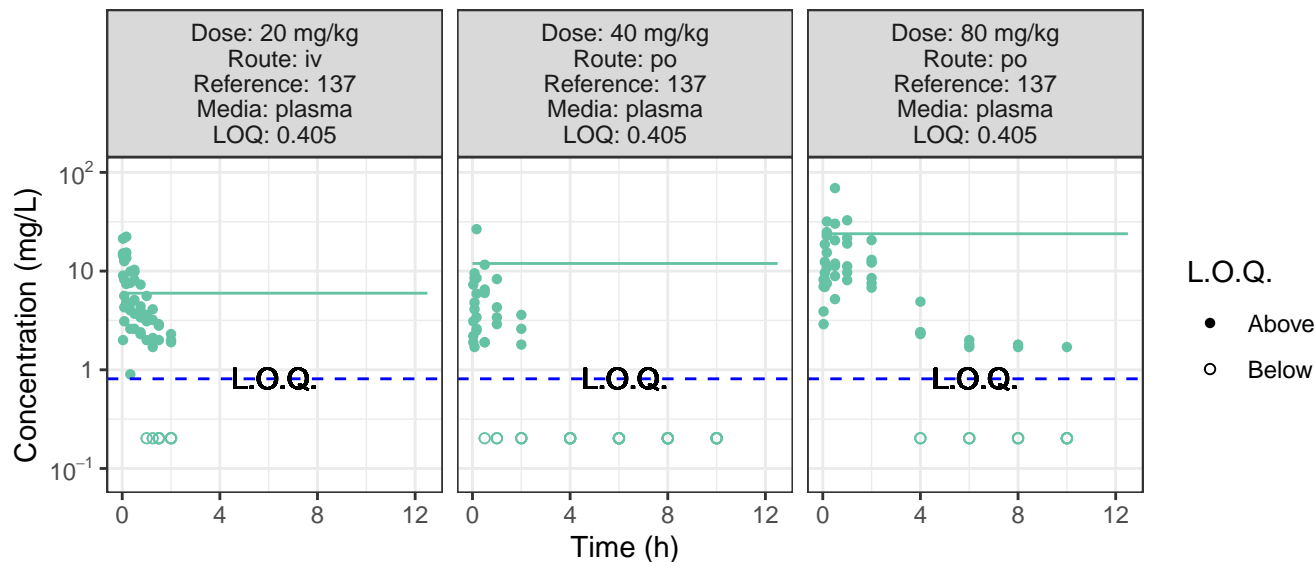
# nilvadipine (flat): Optimizer Failed, No Curve Fit



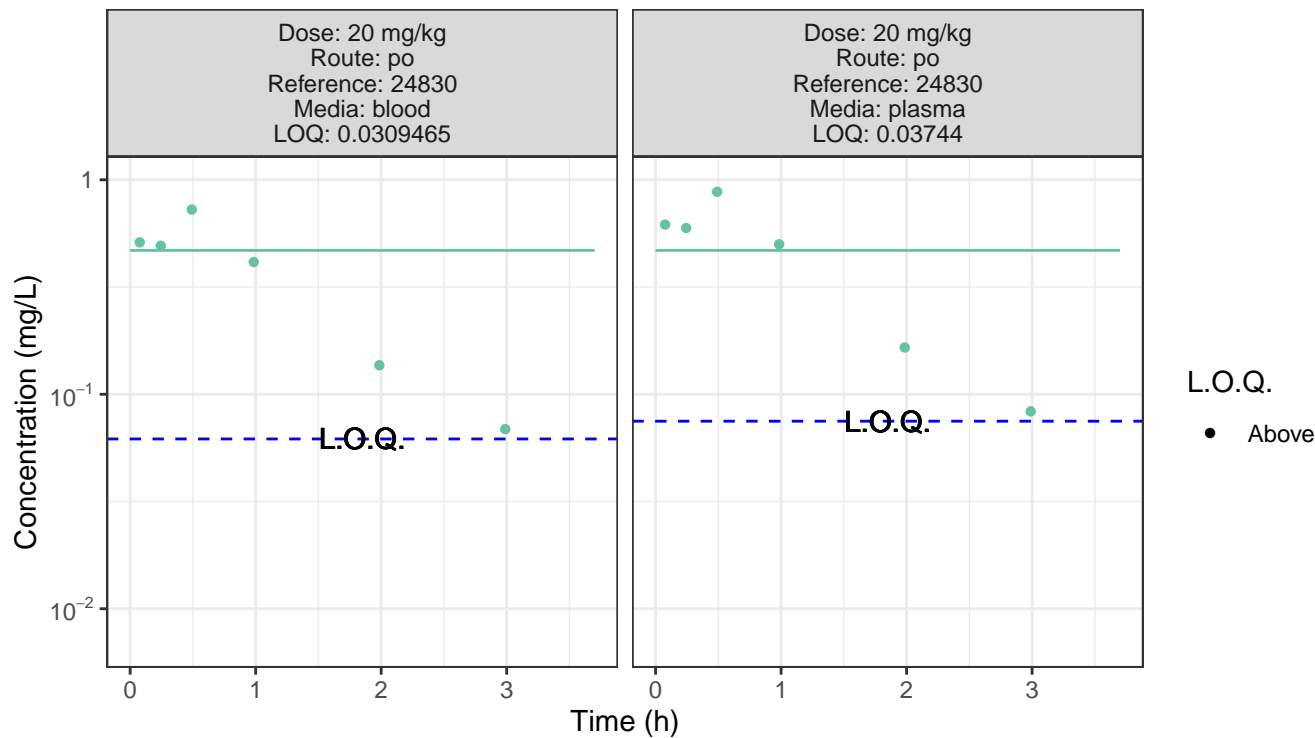
# nitrazepam (flat)



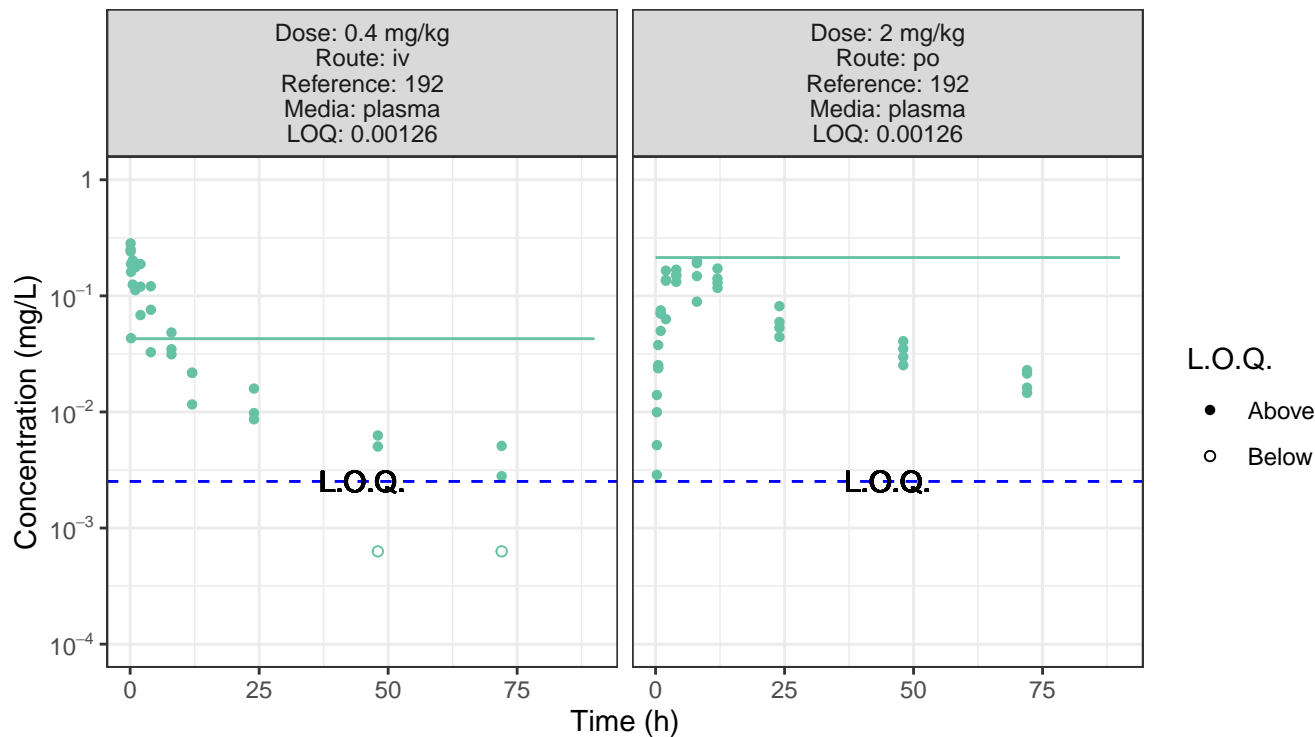
## nitrite (flat)



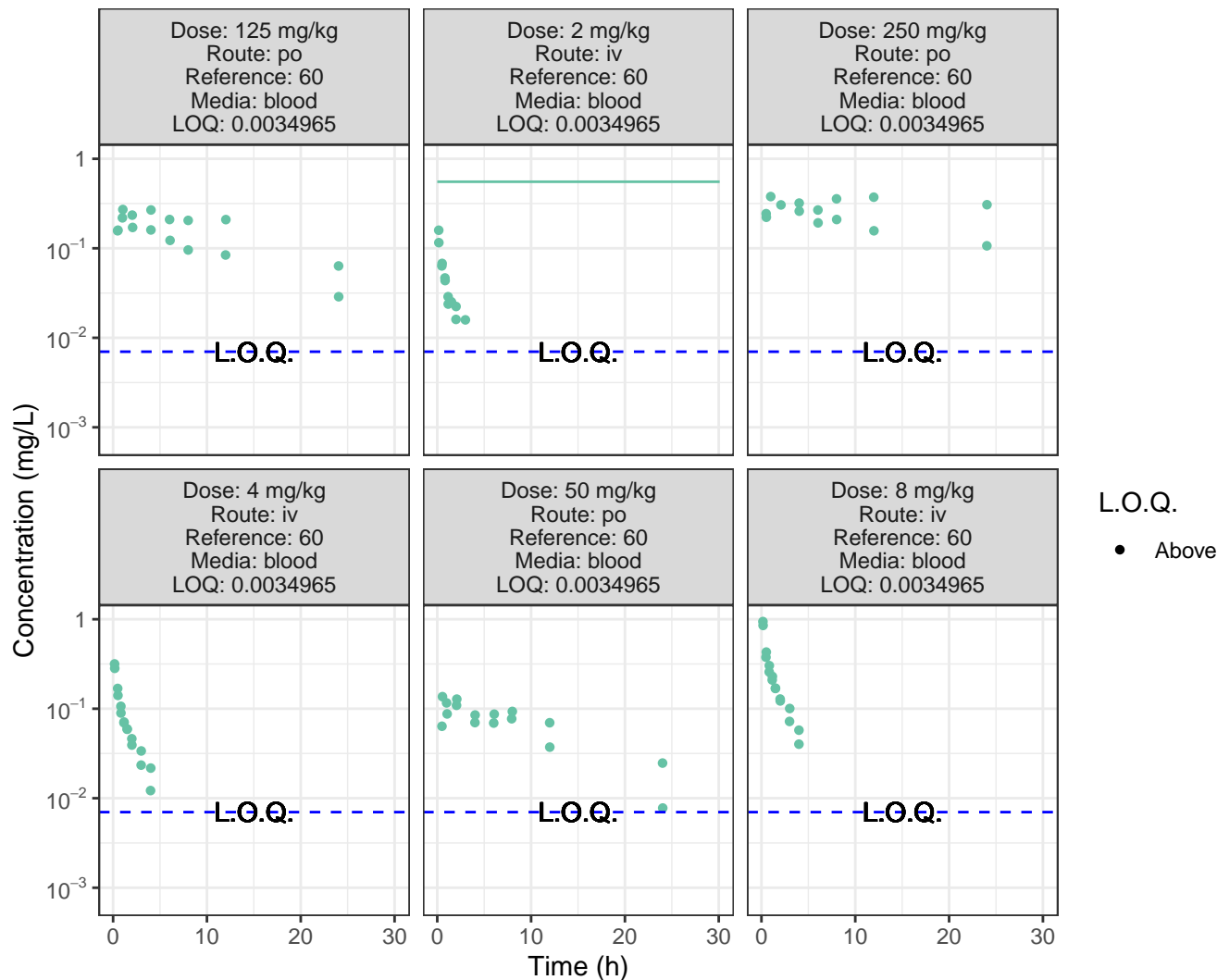
## norfloxacin (flat)



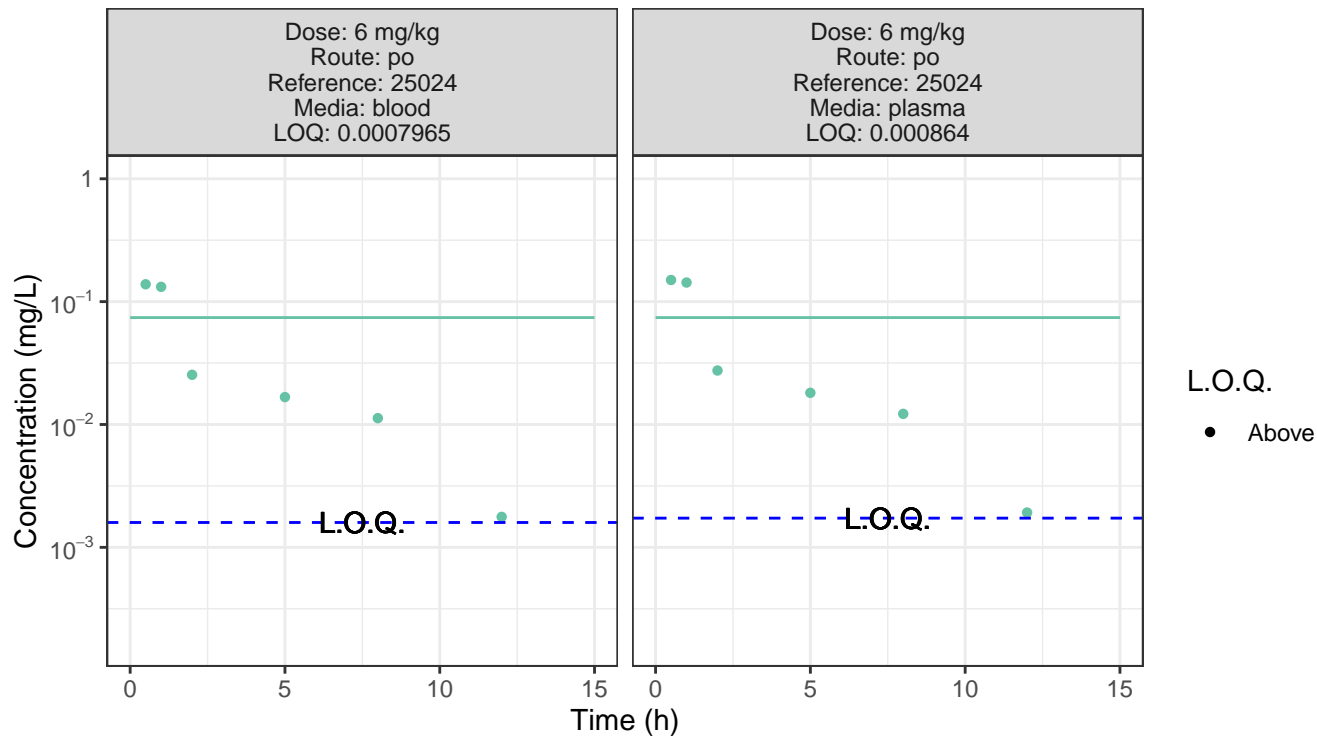
## novaluron (flat)



# octylphenol (flat)

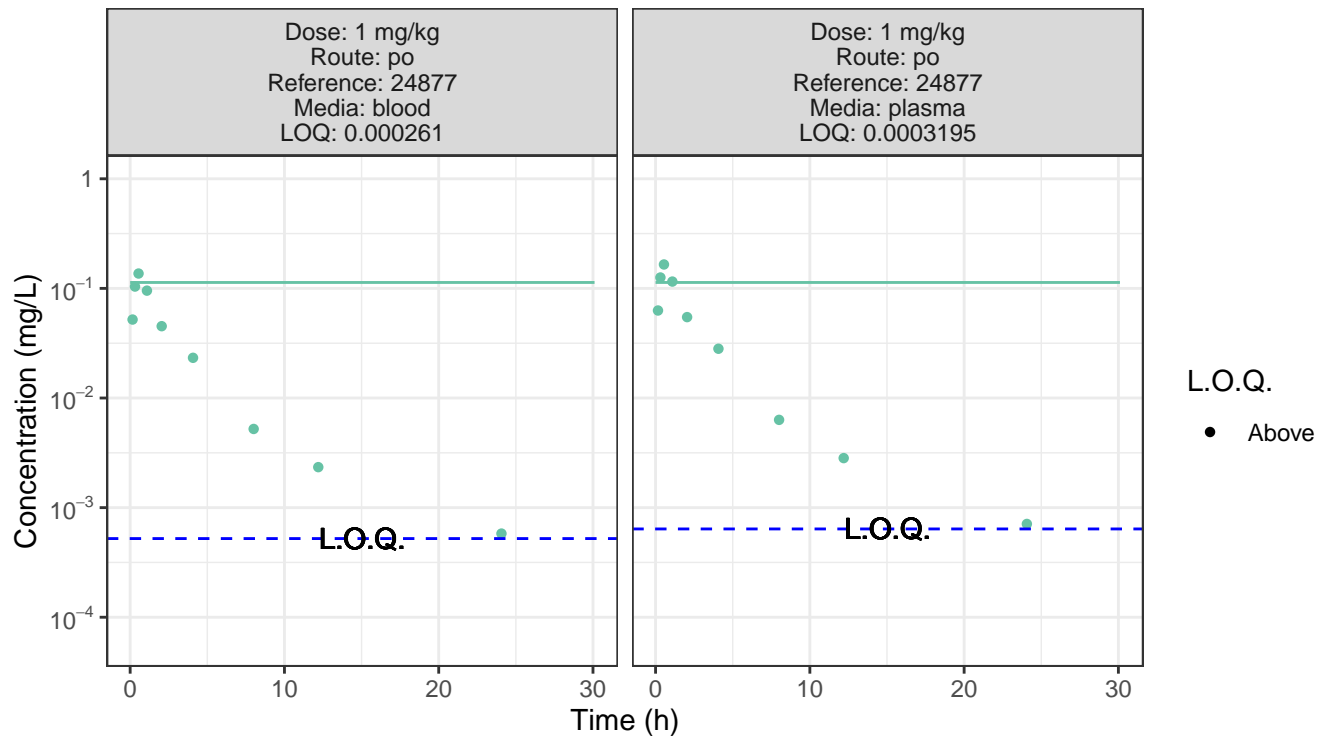


## olanzapine (flat)

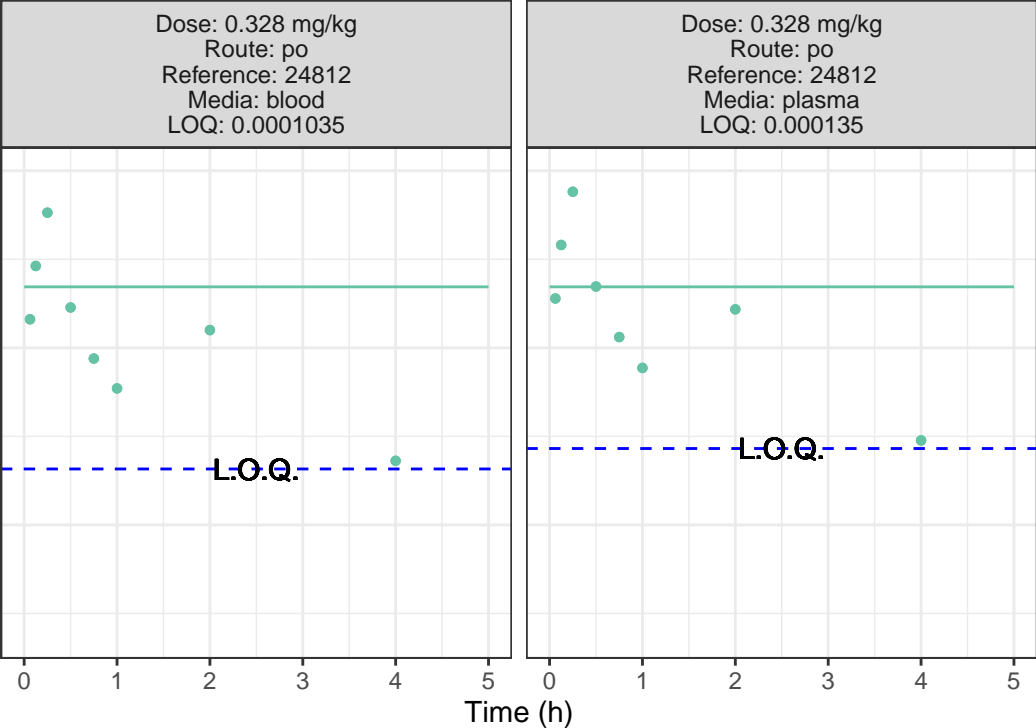




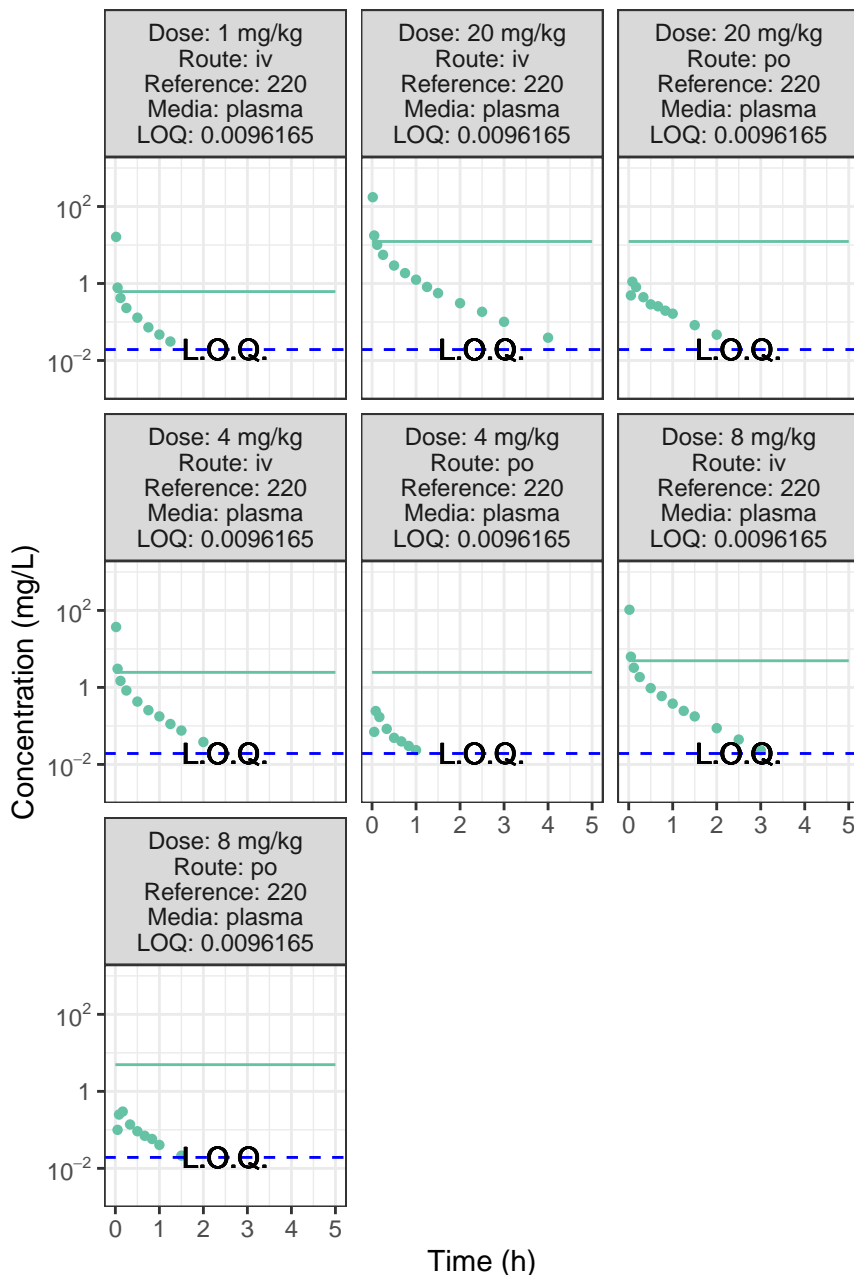
## olopatadine (flat)



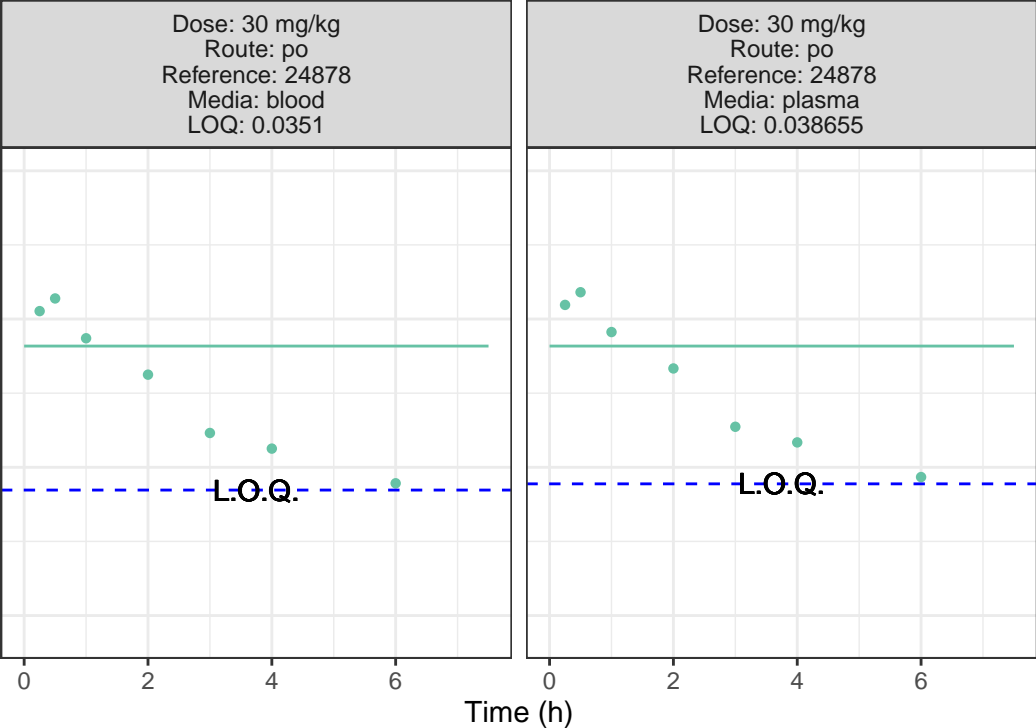
omeprazole (flat)



# ondansetron (flat)



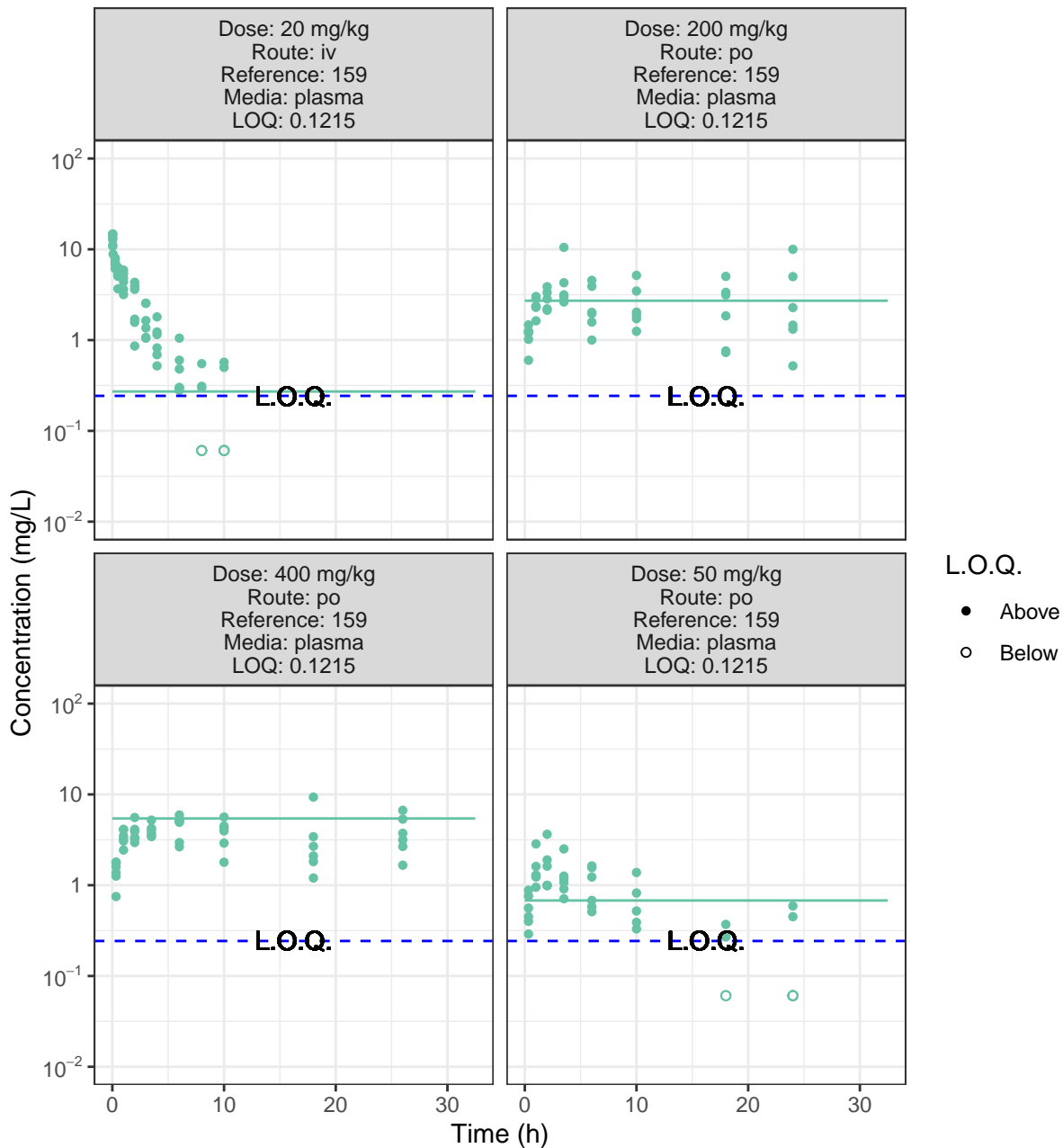
oseltamivir (flat)



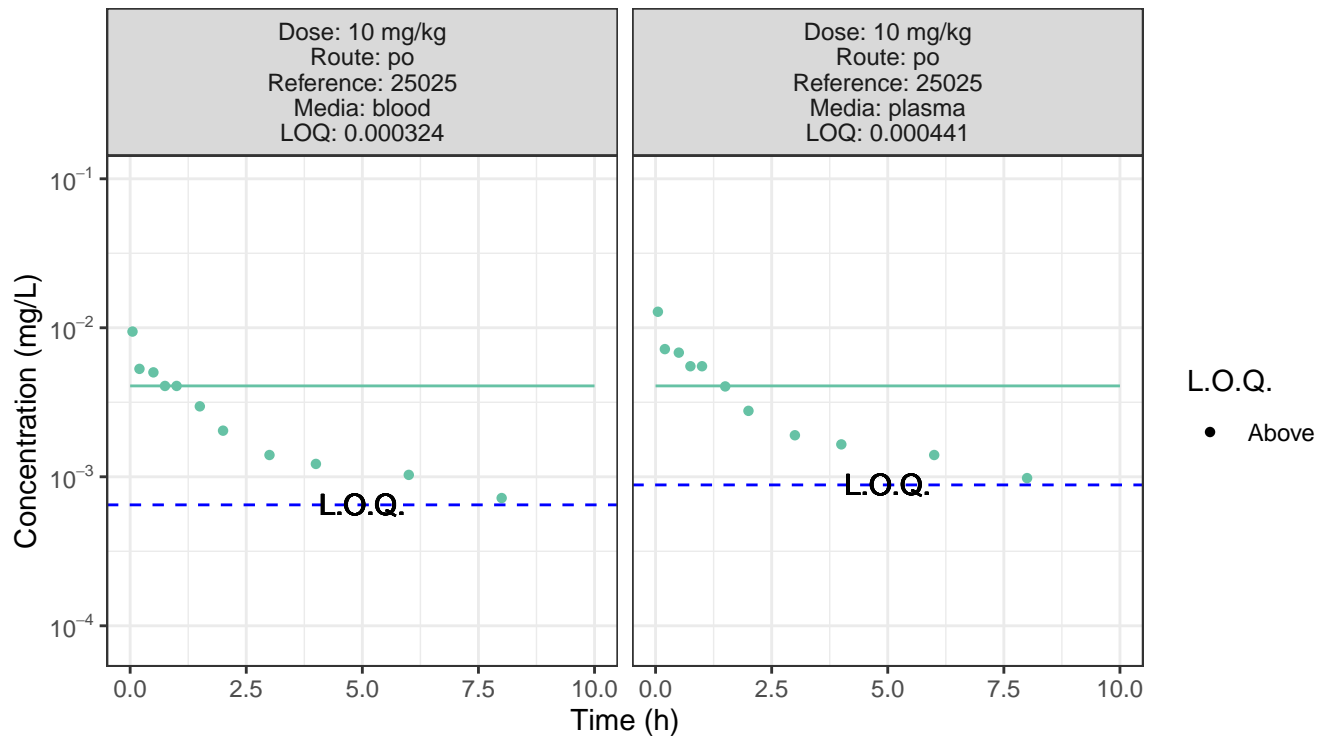
L.O.Q.

• Above

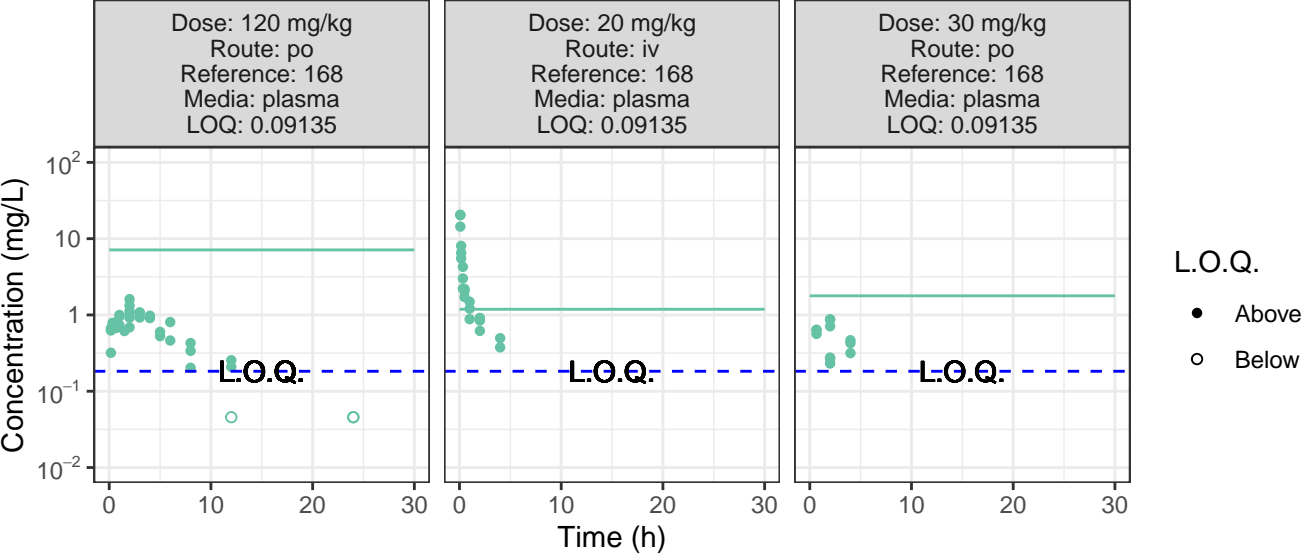
# oxazepam (flat)



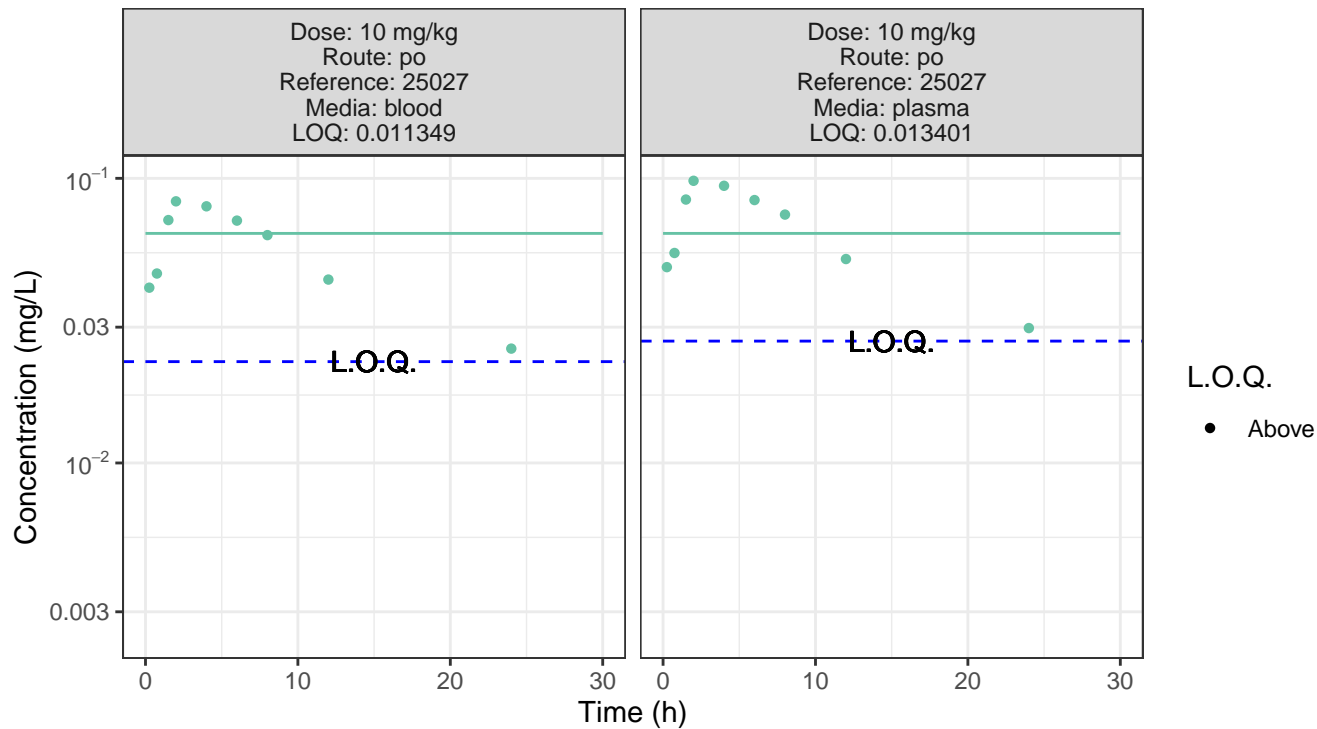
## oxycodone (flat)



oxymetholone (flat)

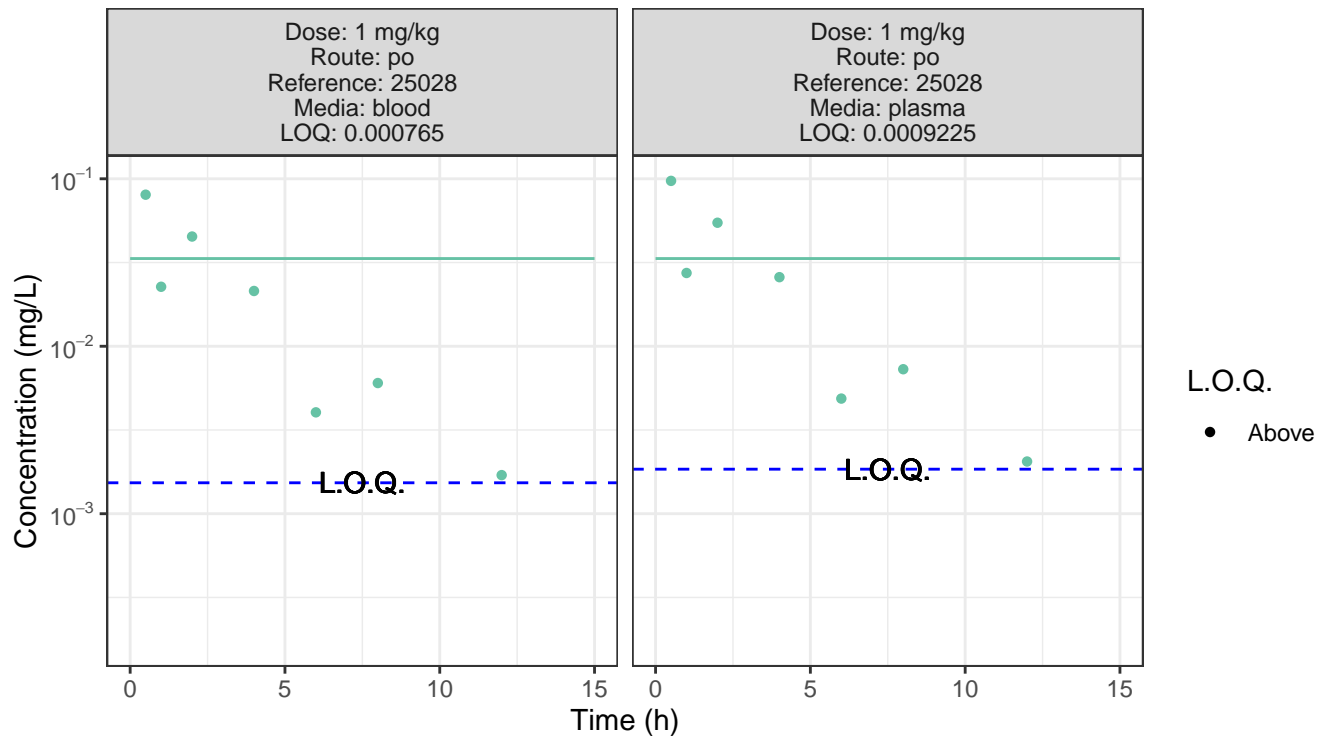


## paroxetine (flat)

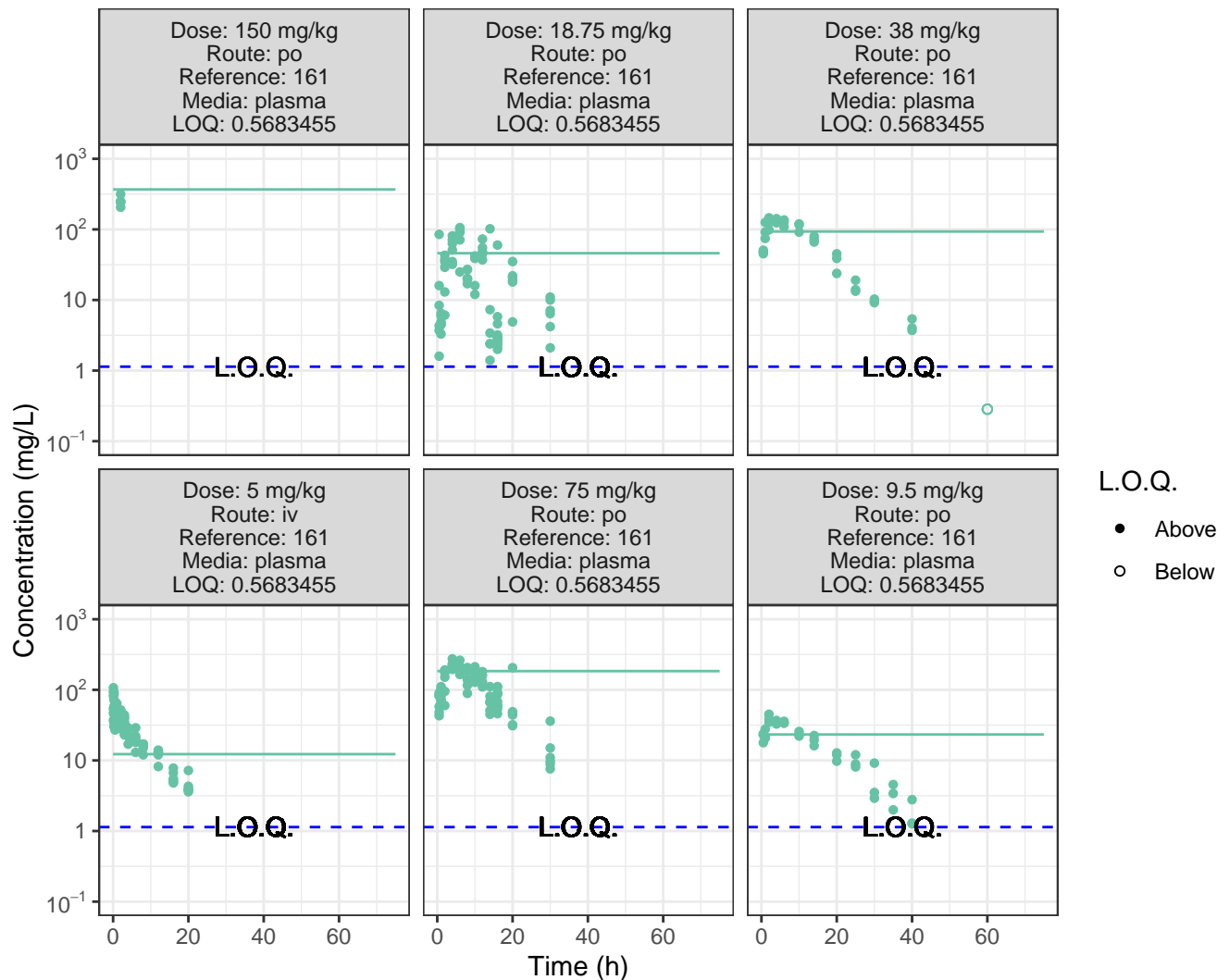




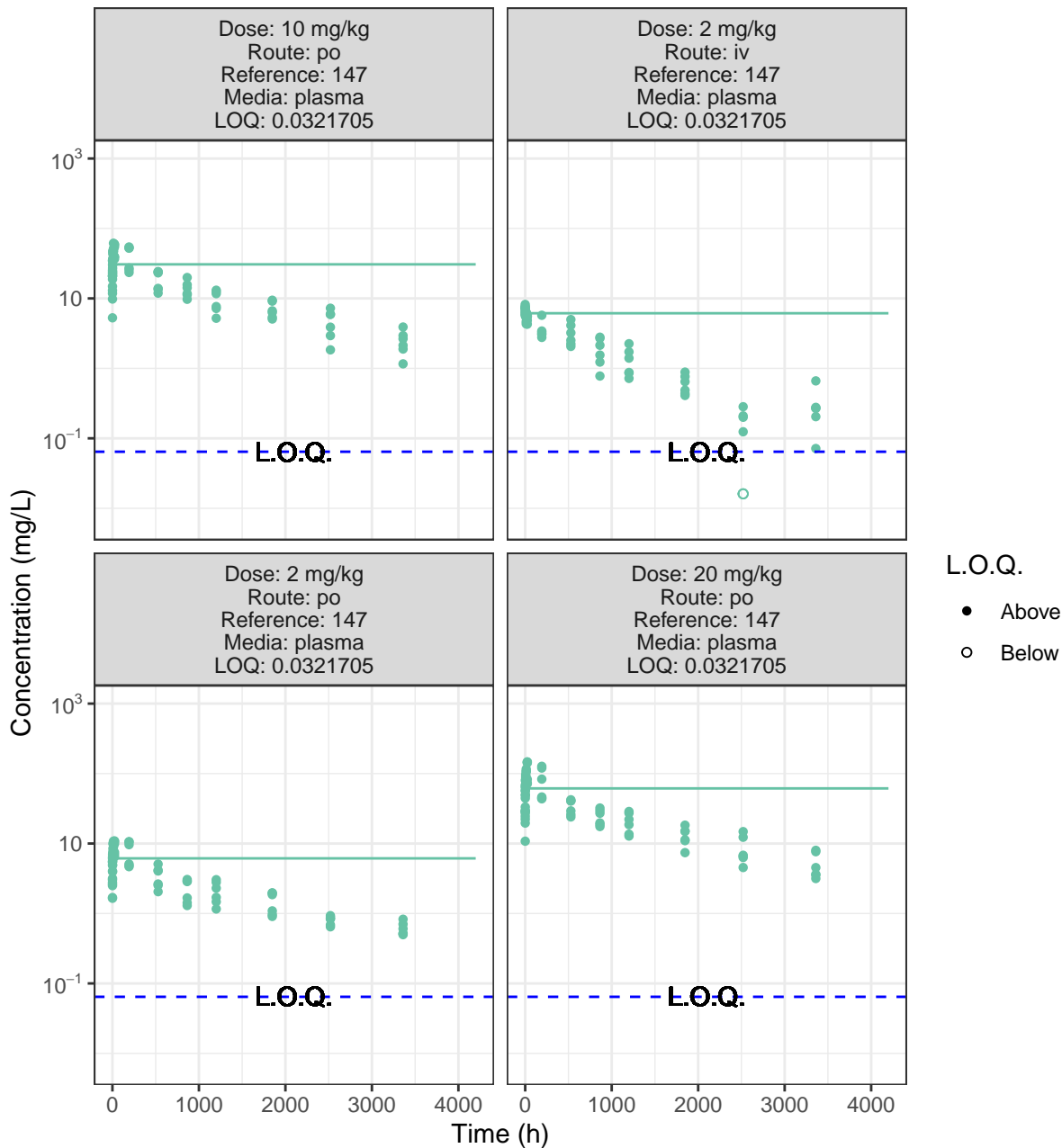
## peficitinib (flat)



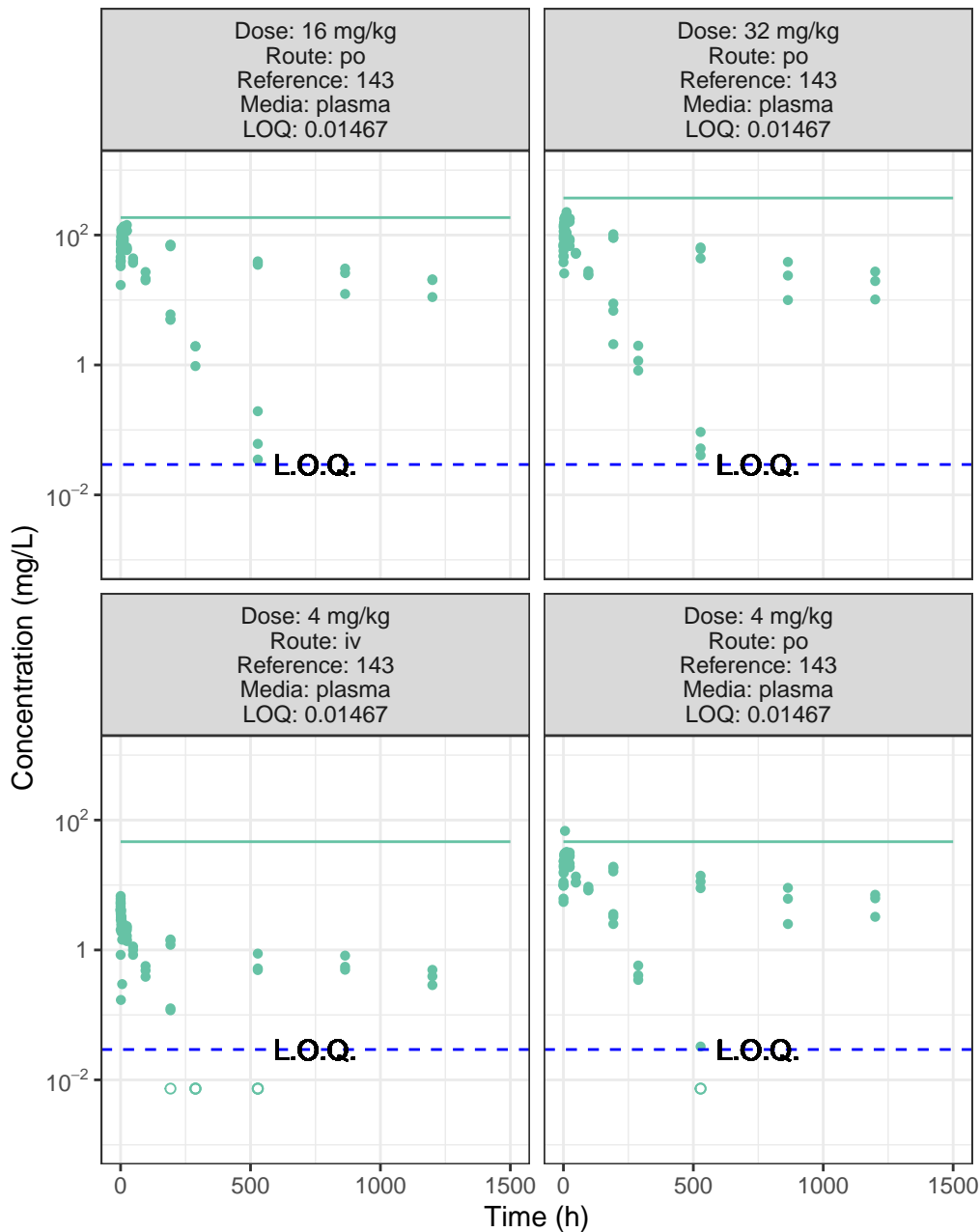
# pentachlorophenol, purified (flat)



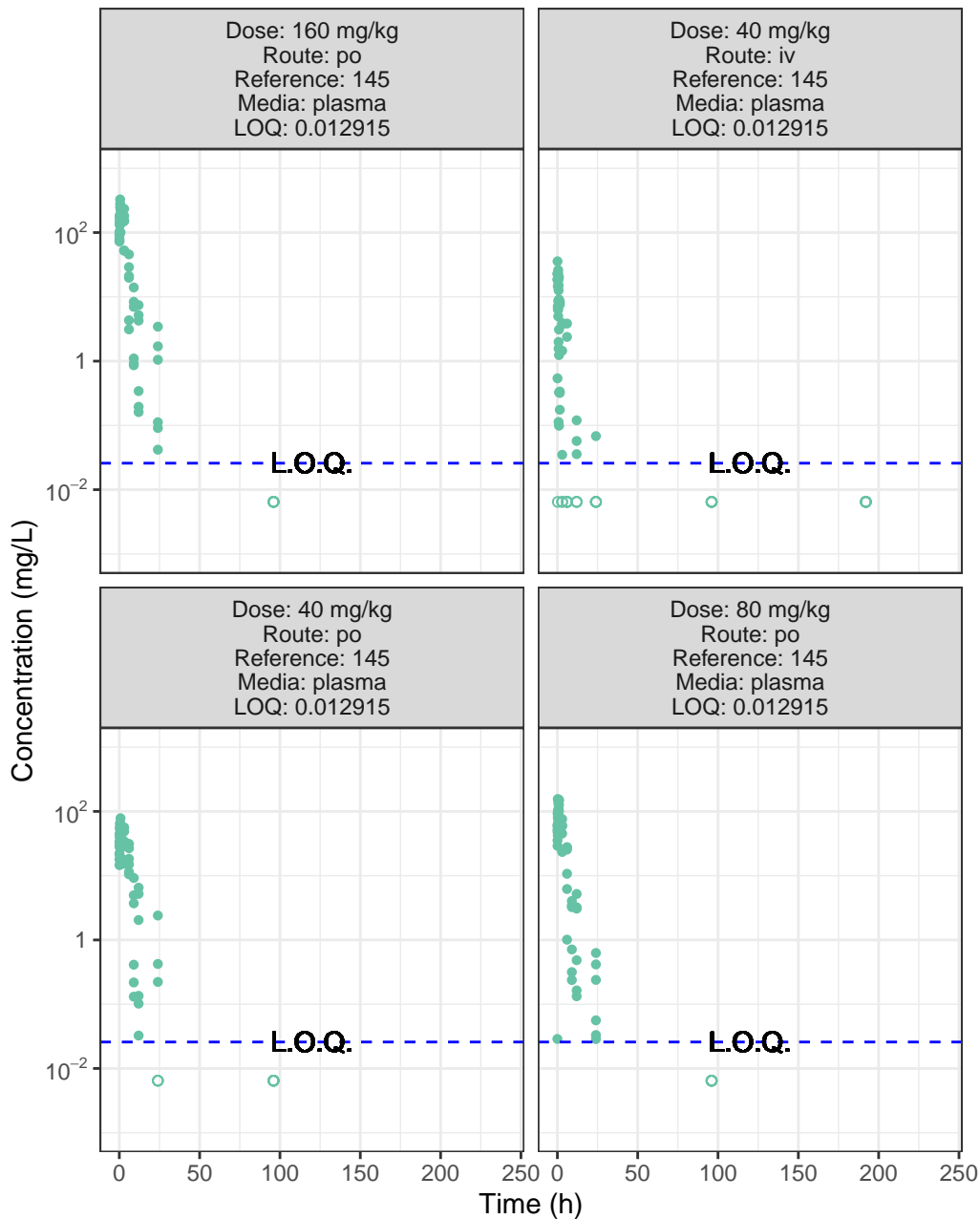
# perfluorodecanoic acid (flat)



# perfluorohexane-1-sulphonic acid " potassium salt (flat)



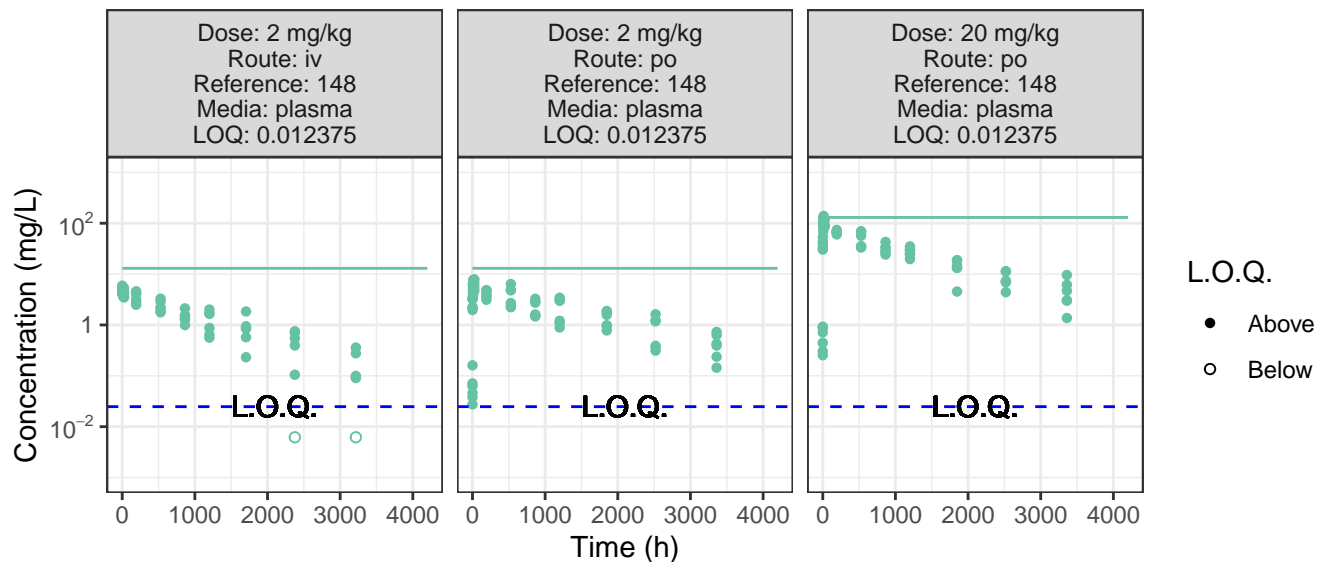
# perfluorohexanoic acid (flat)



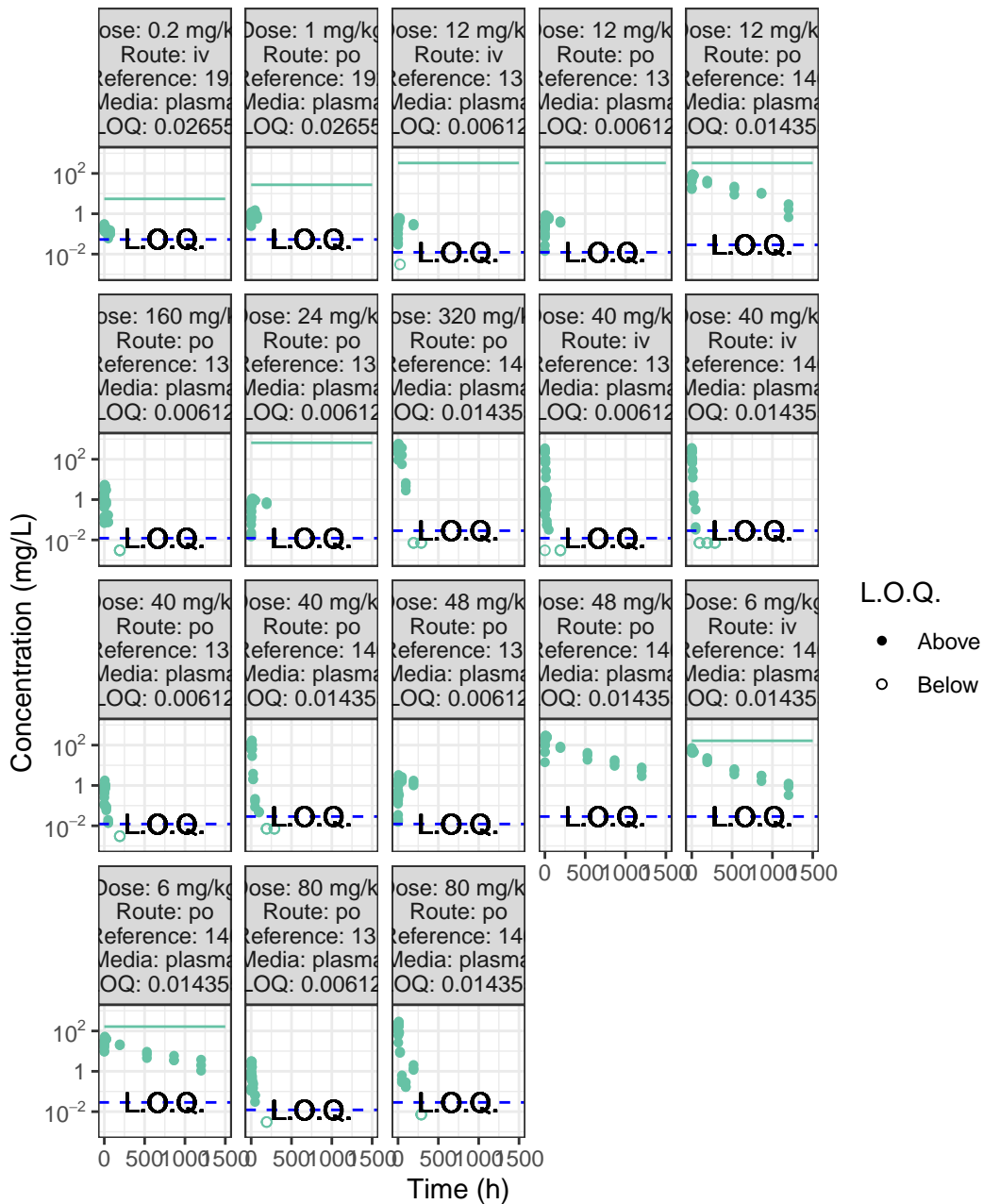
L.O.Q.

- Above
- Below

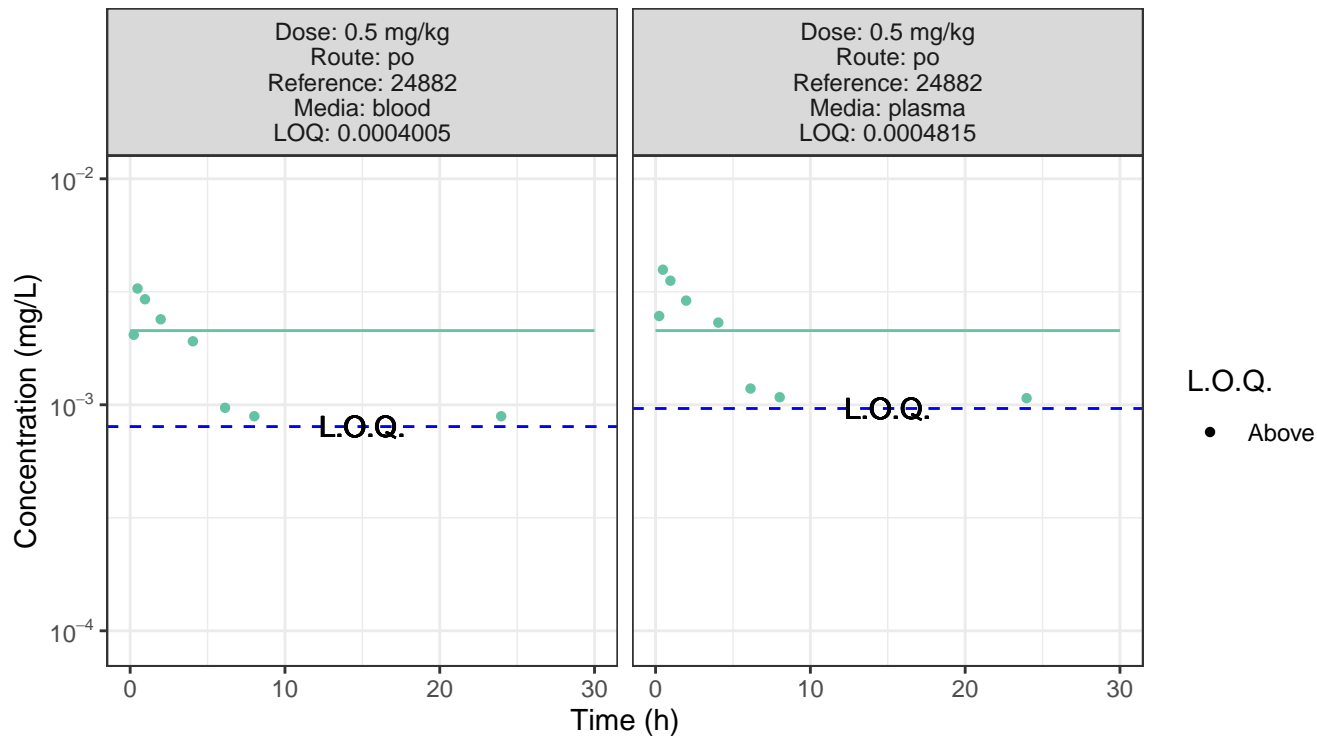
perfluorooctane sulfonate (flat)



perfluorooctanoic acid (flat)

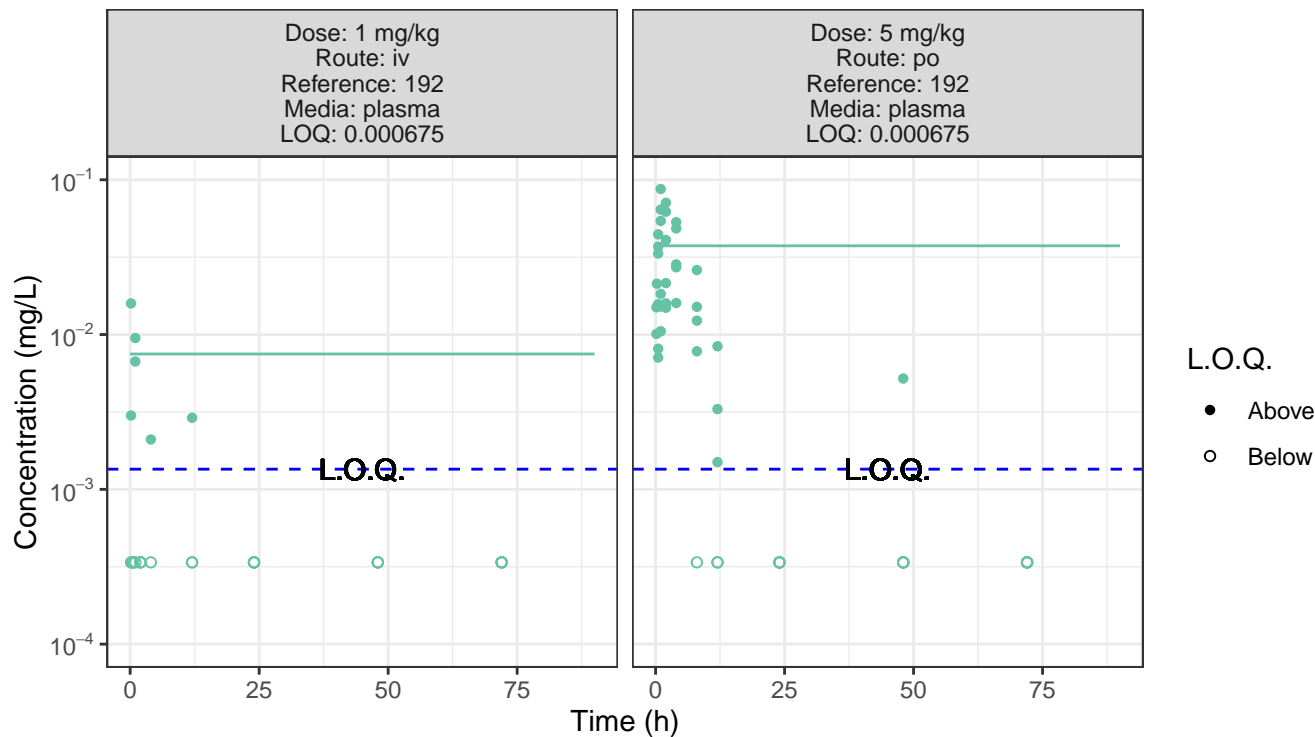


## perindopril (flat)

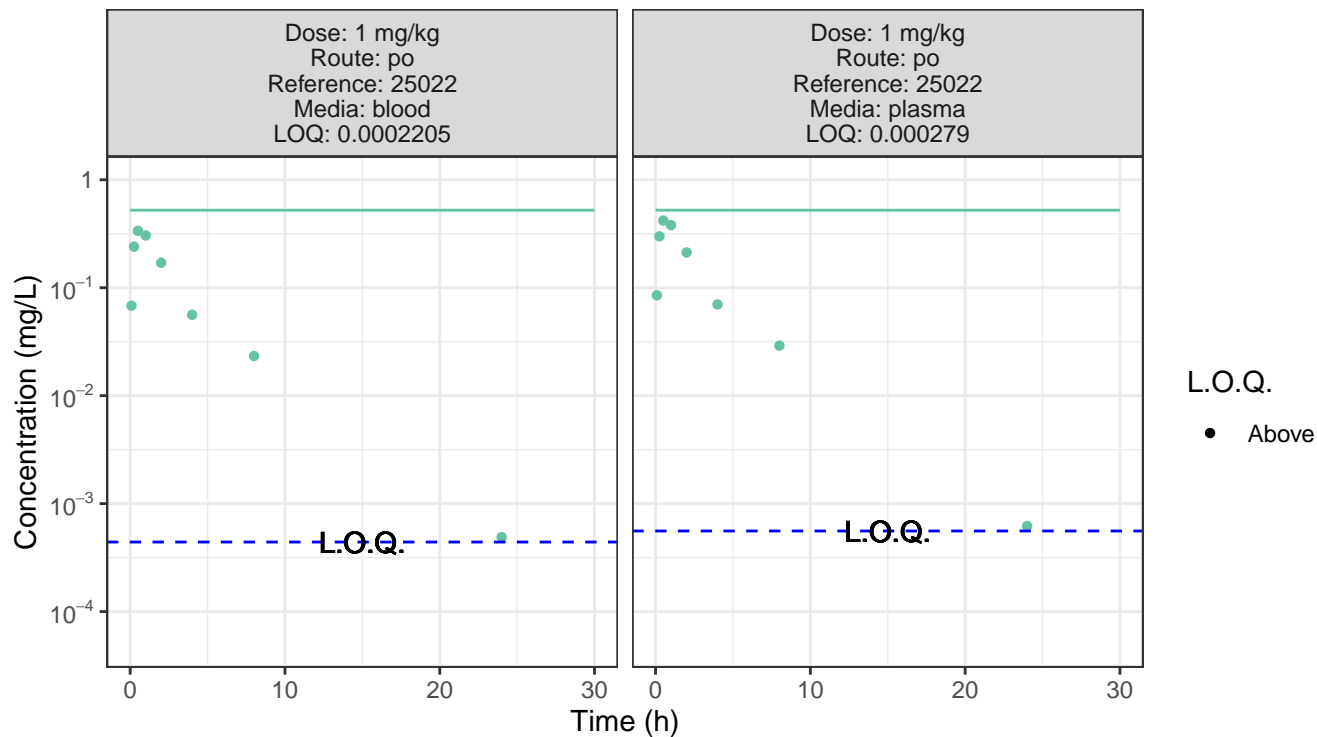




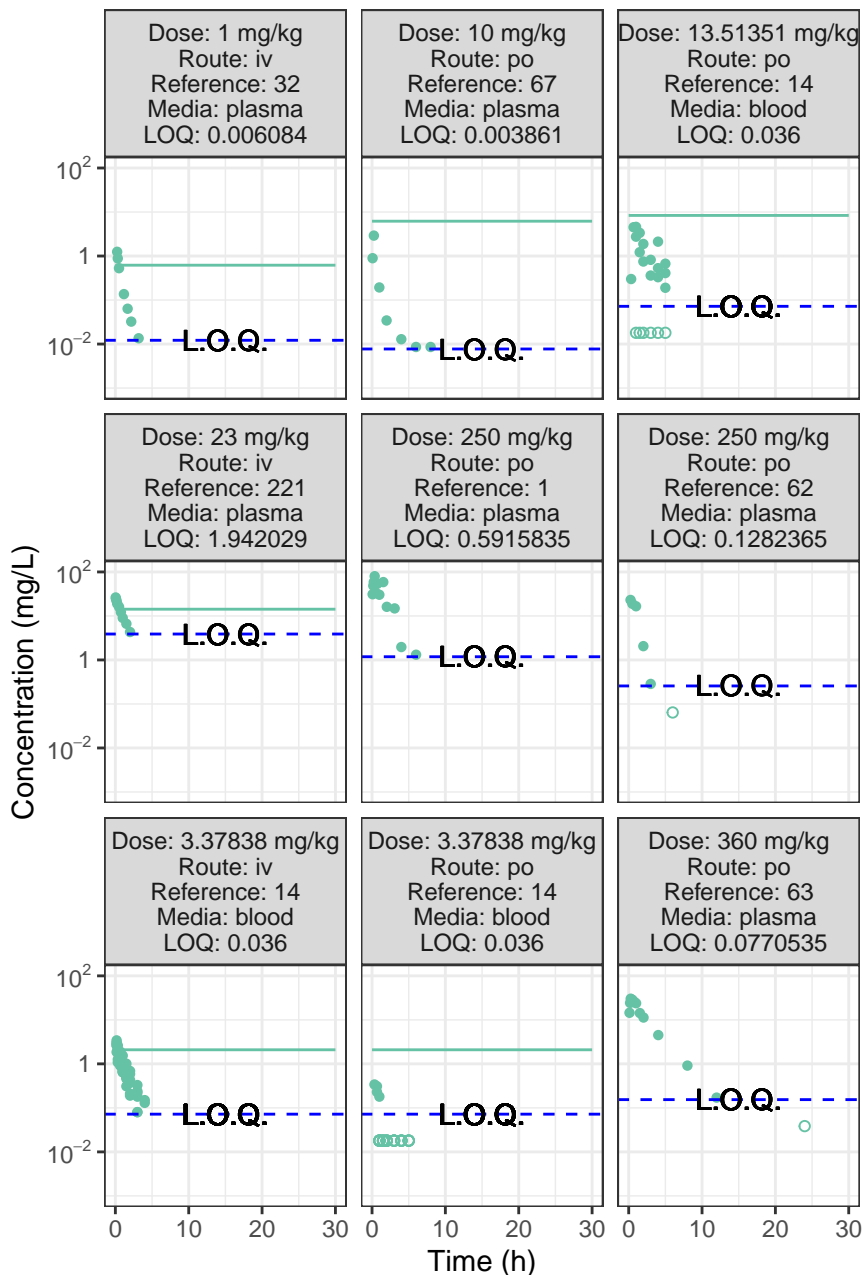
## permethrin (flat)



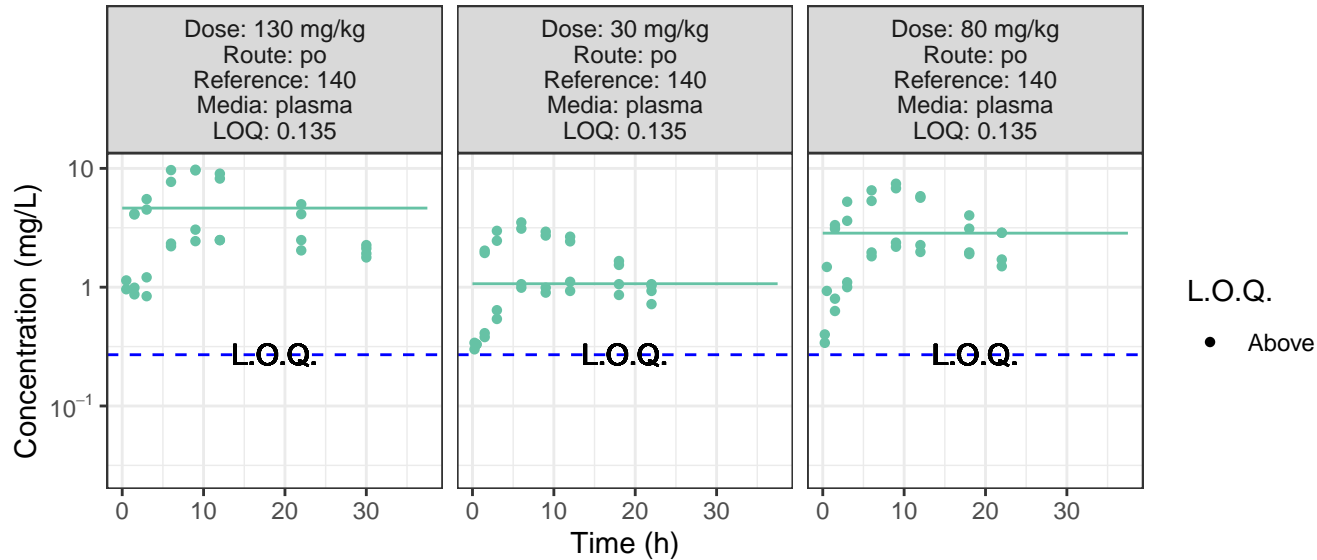
# petasitenine (flat)



# phenacetin (flat)

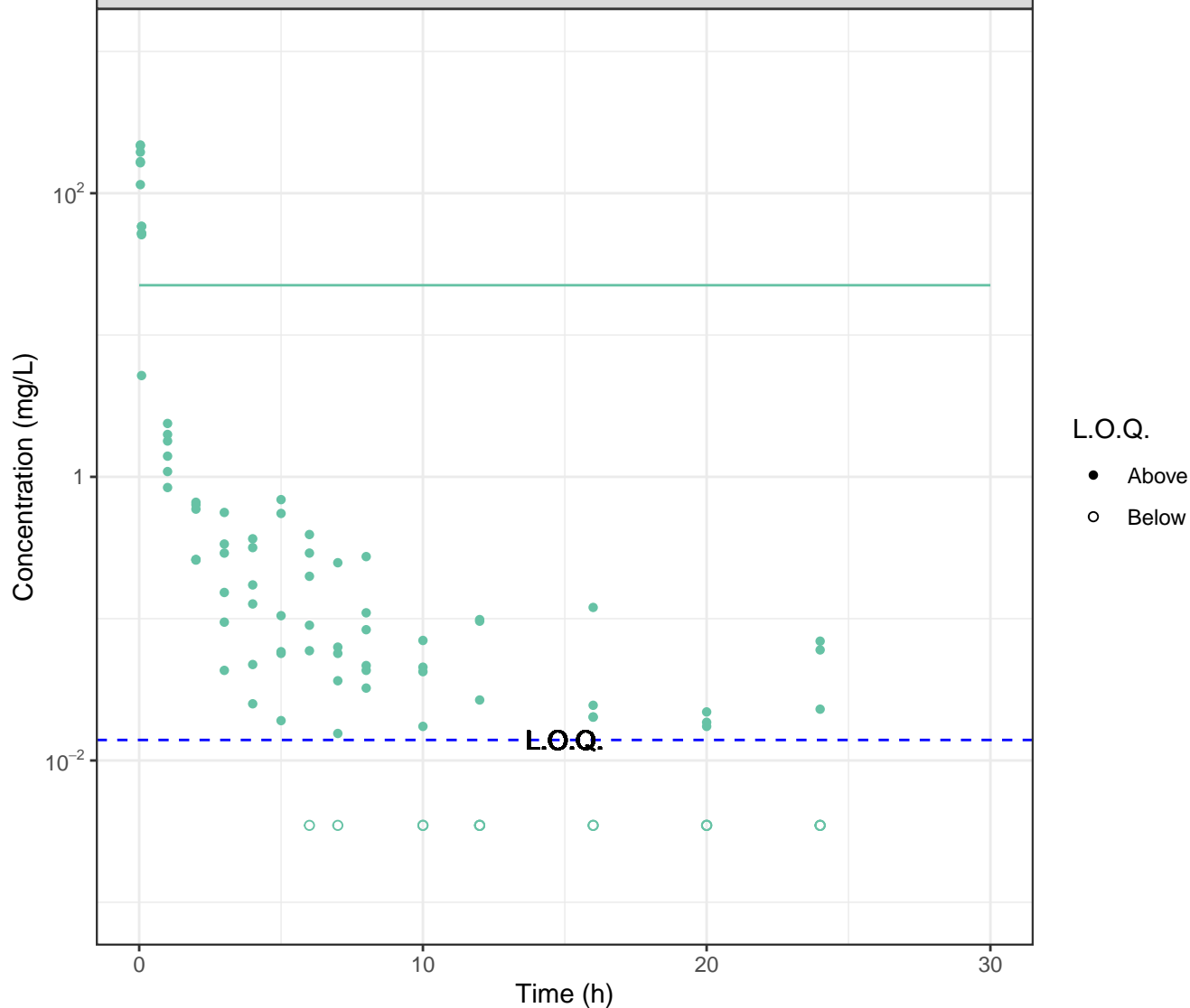


phenobarbital (flat)



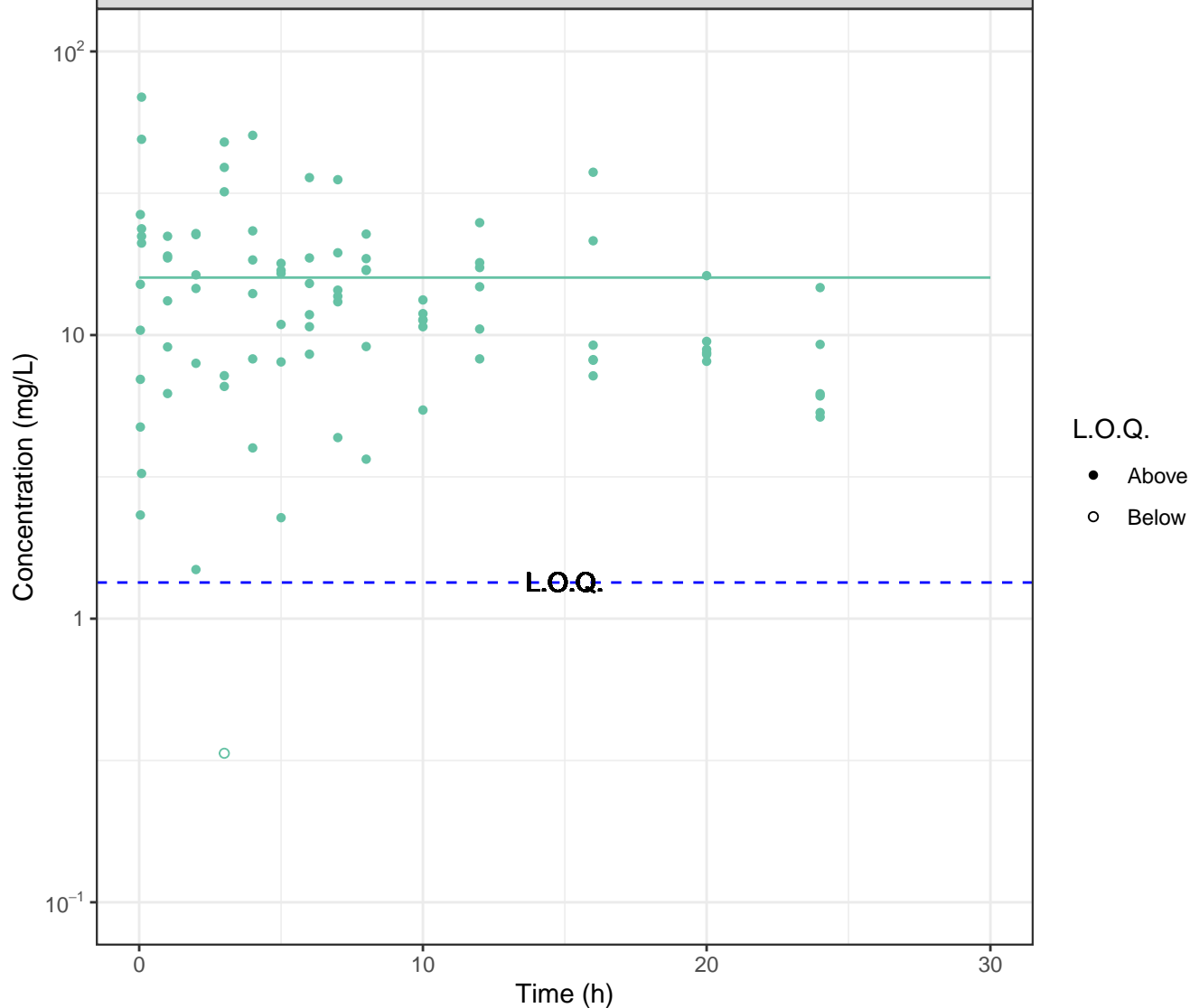
# phenolphthalein (flat)

Dose: 25 mg/kg  
Route: iv  
Reference: 139  
Media: plasma  
LOQ: 0.006975

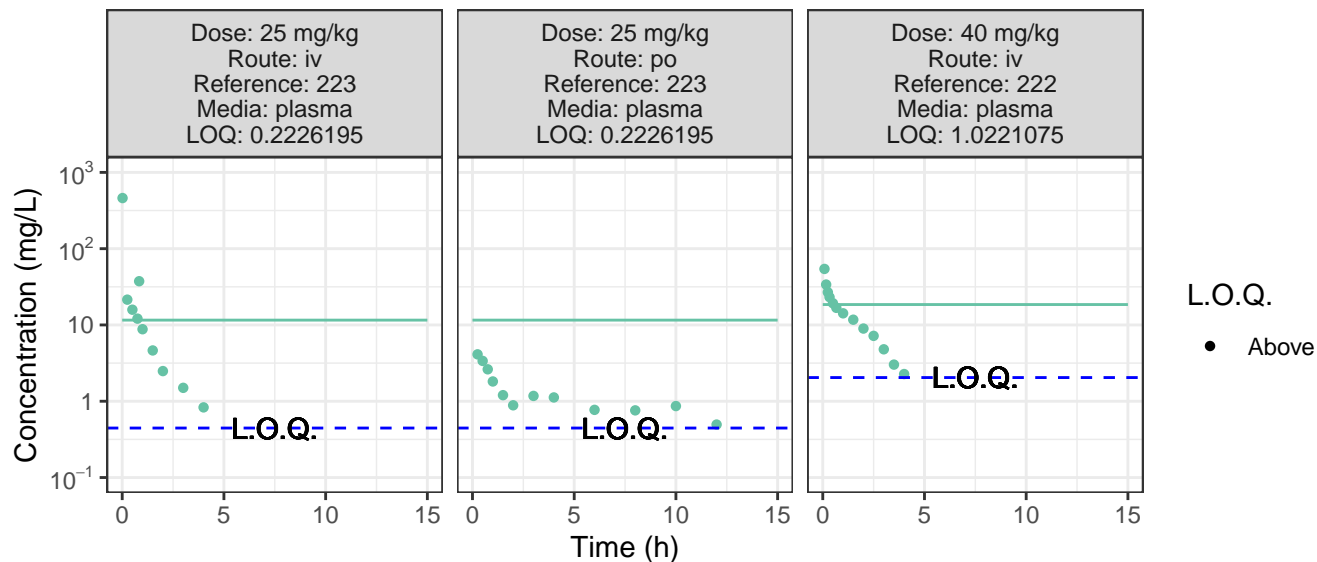


# phenolphthalein glucuronide (flat)

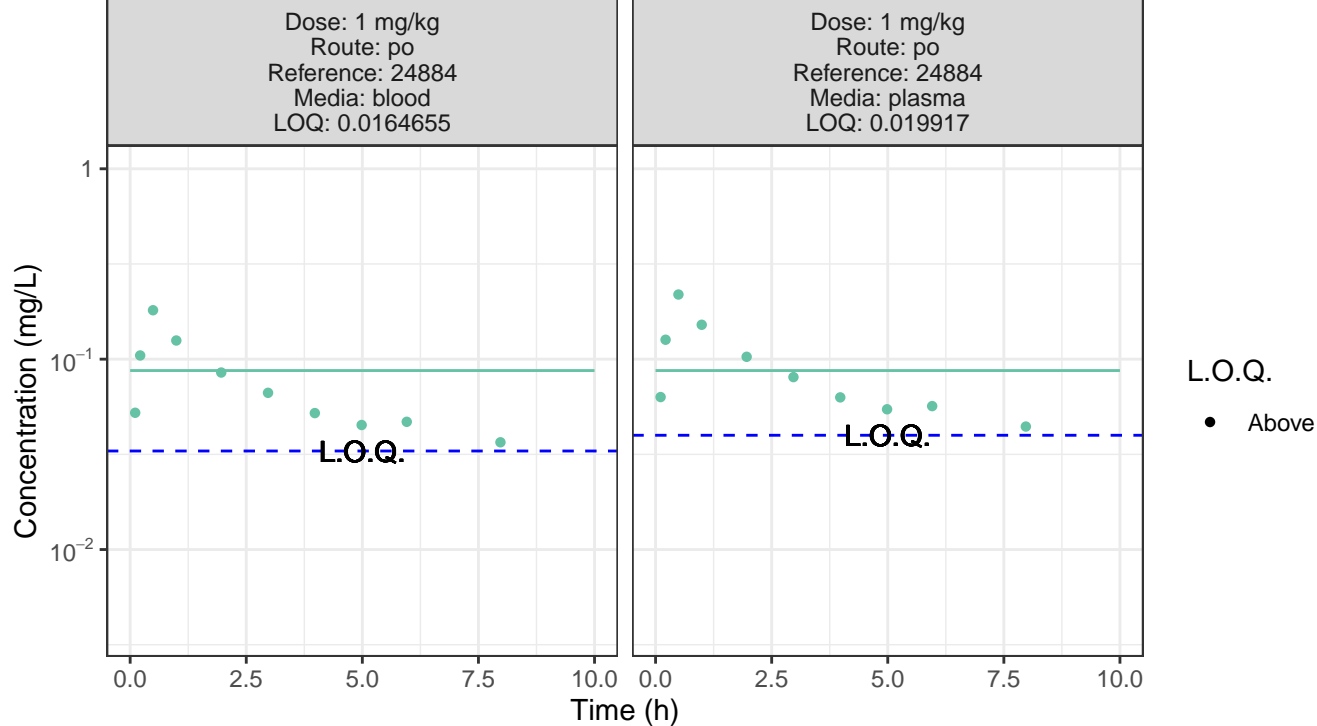
Dose: 25 mg/kg  
Route: iv  
Reference: 139  
Media: plasma  
LOQ: 0.6705



## phenytoin (flat)

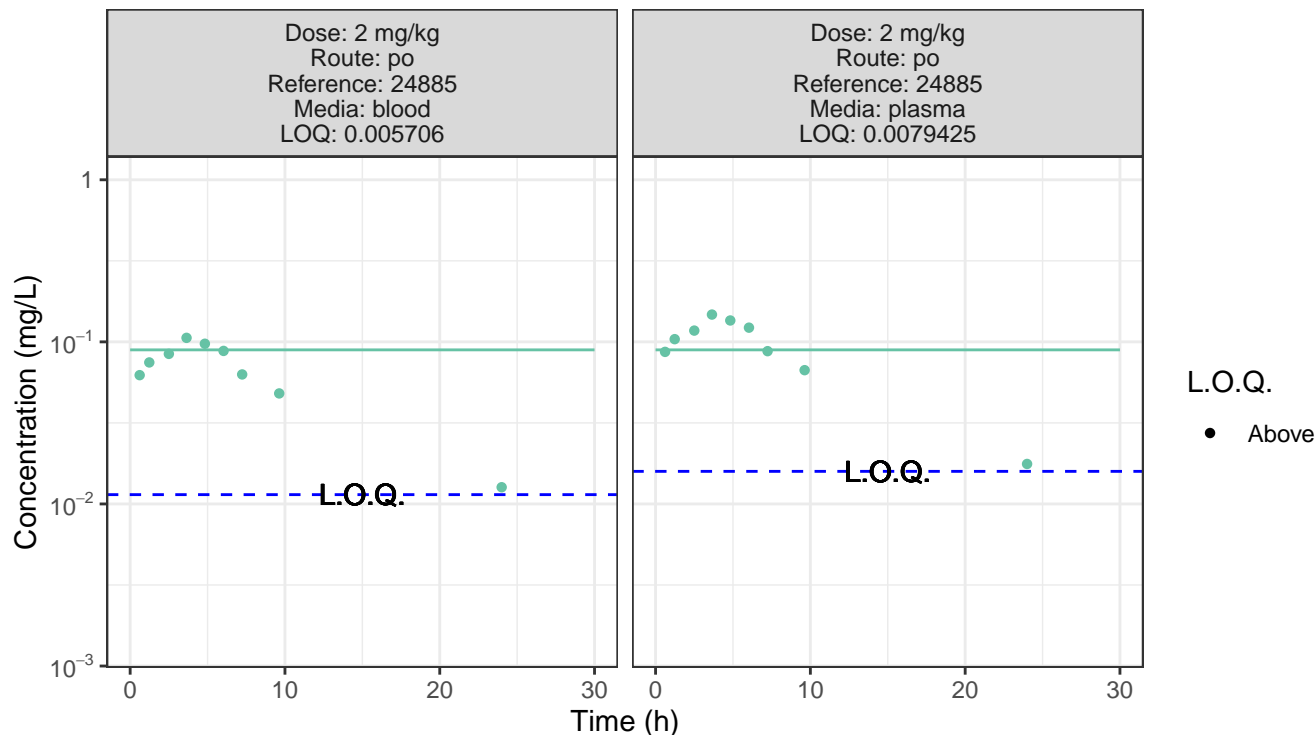


pitavastatin (flat)

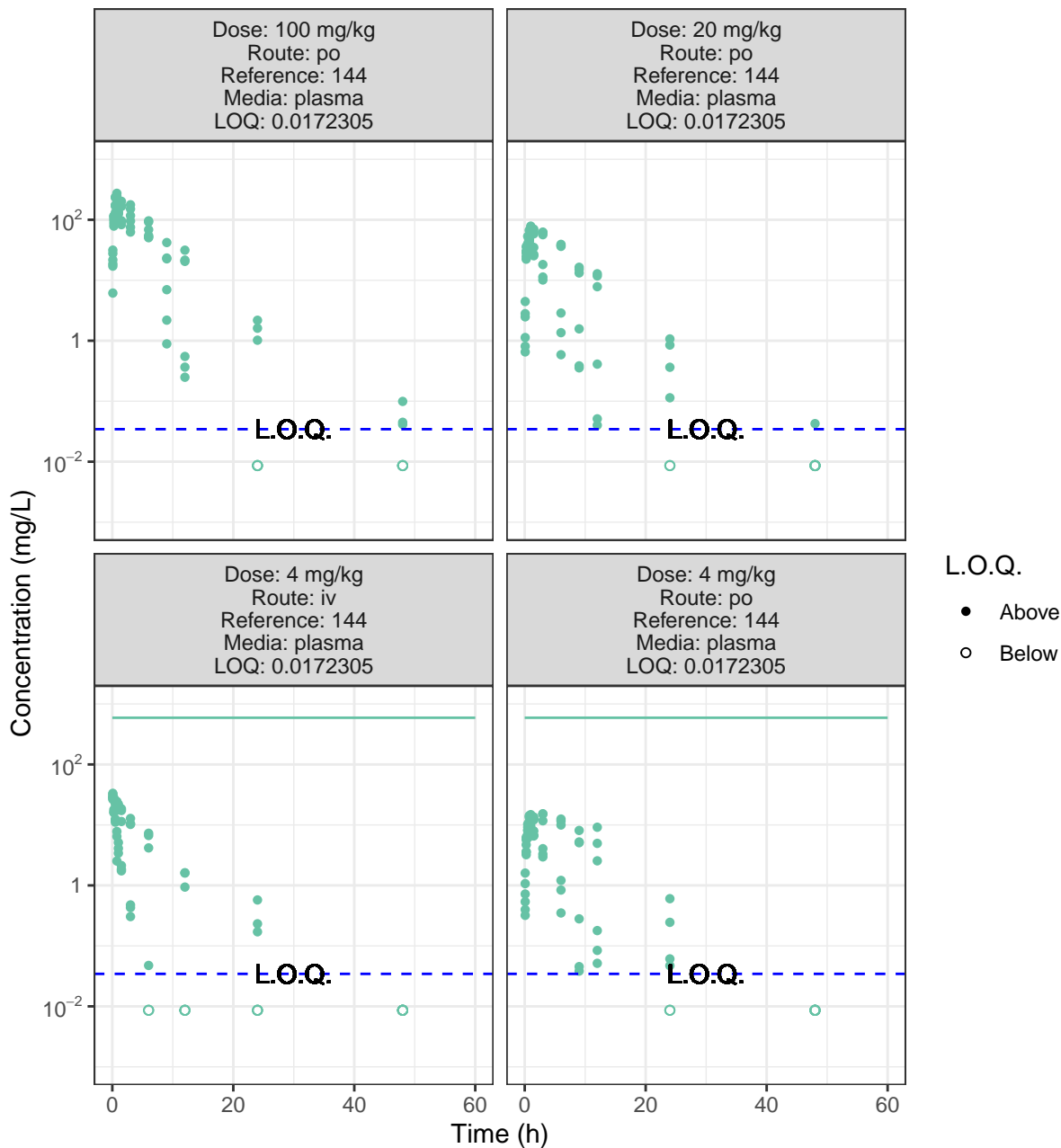




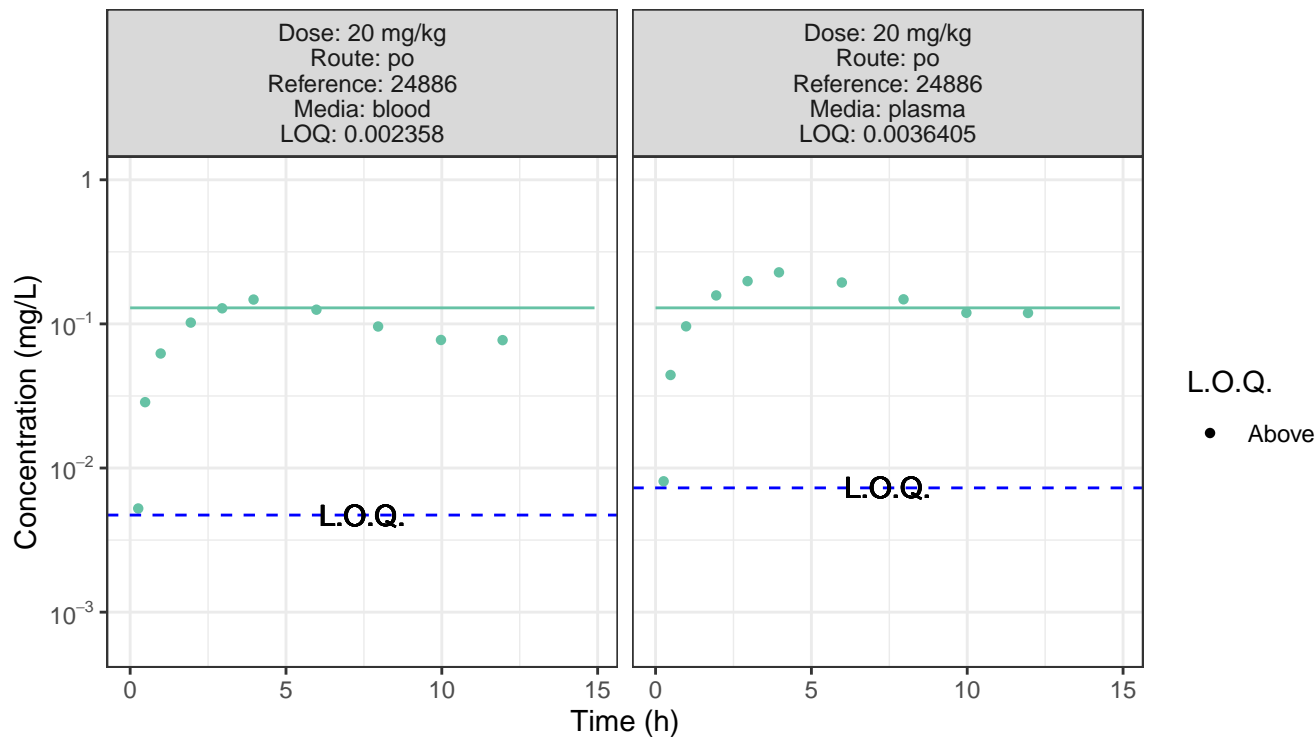
## pomalidomide (flat)



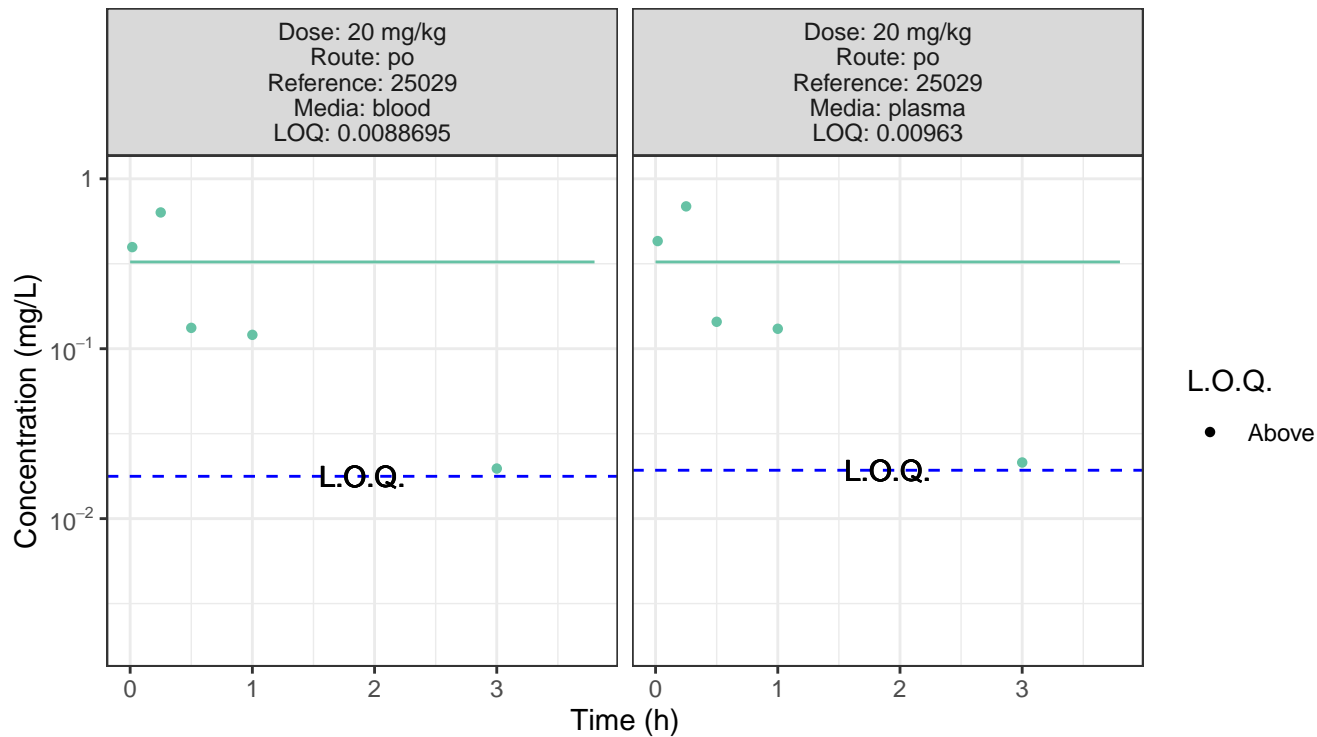
# potassium perfluorobutane sulfonate (flat)



## pranlukast (flat)



## primaquine (flat)



## primidone (flat)

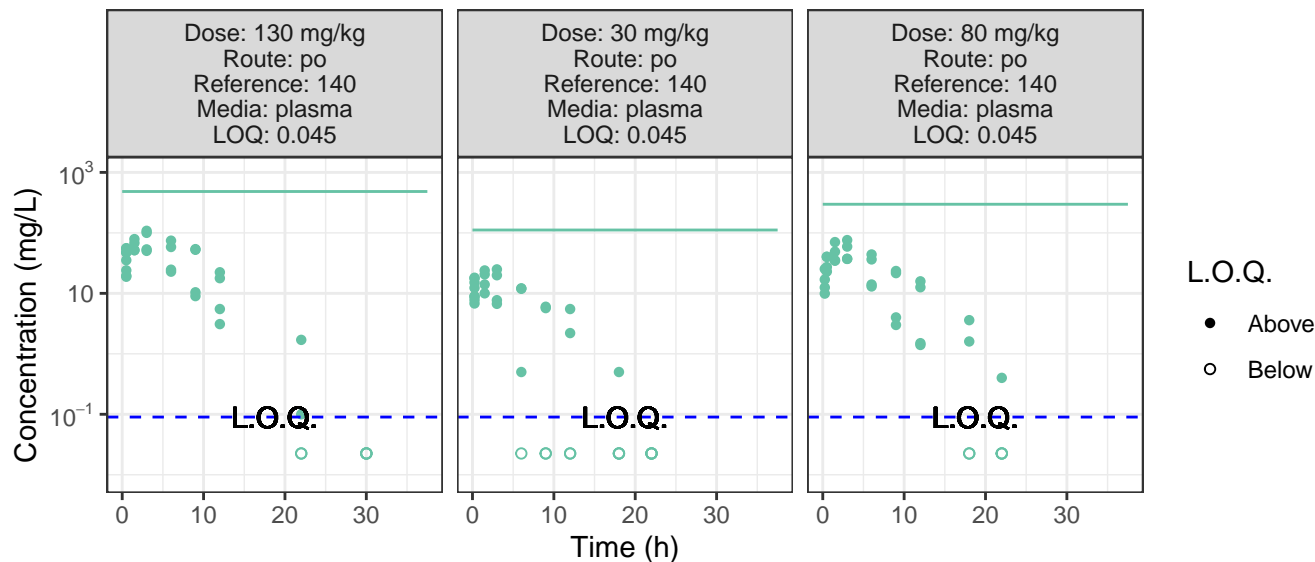
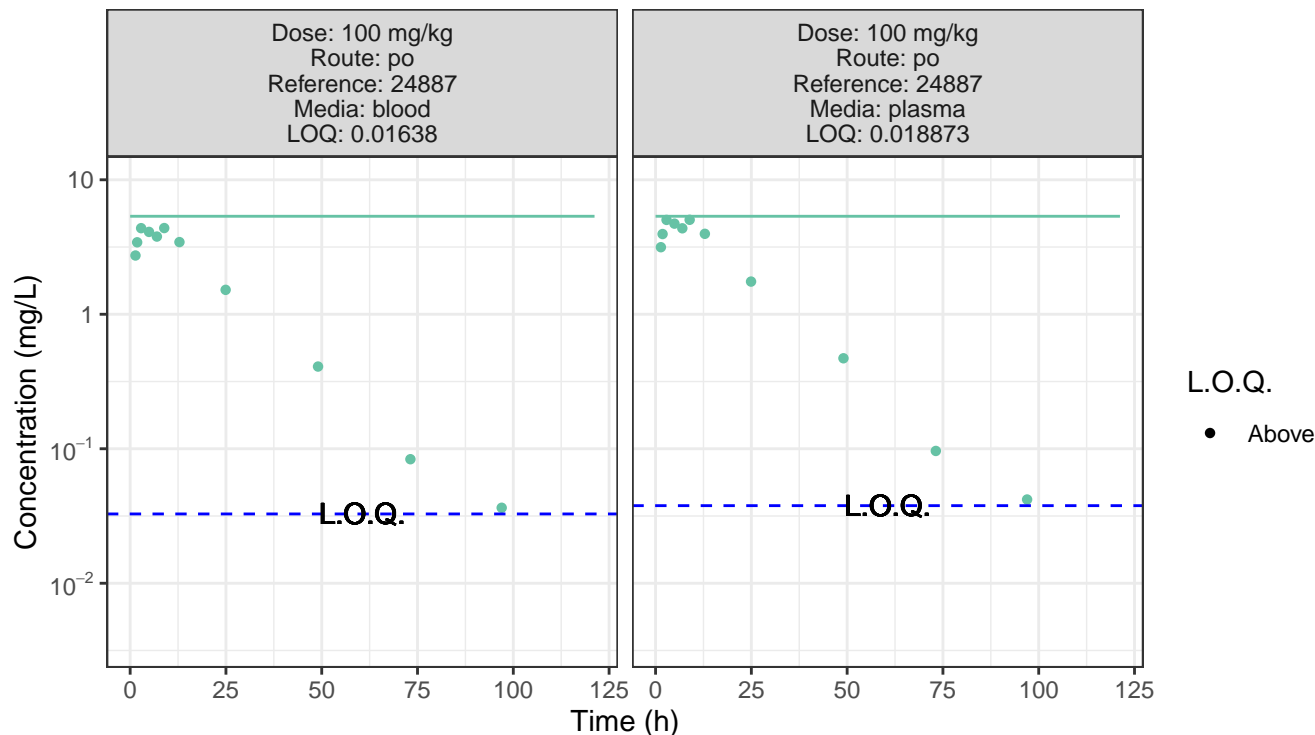


Figure 1 displays two side-by-side scatter plots showing the plasma concentration (ng/mL) versus Time (h) for two different doses of a drug. The left plot is for a 1 mg/kg dose (iv route) and the right plot is for a 5 mg/kg dose (po route). Both plots show a rapid increase in concentration followed by a decline, with data points at 0, 2, 4, 8, 16, 32, 48, and 72 hours. A horizontal dashed line at 4.5e-05 ng/mL indicates the Limit of Quantification (LOQ). The 5 mg/kg dose shows higher concentrations than the 1 mg/kg dose.

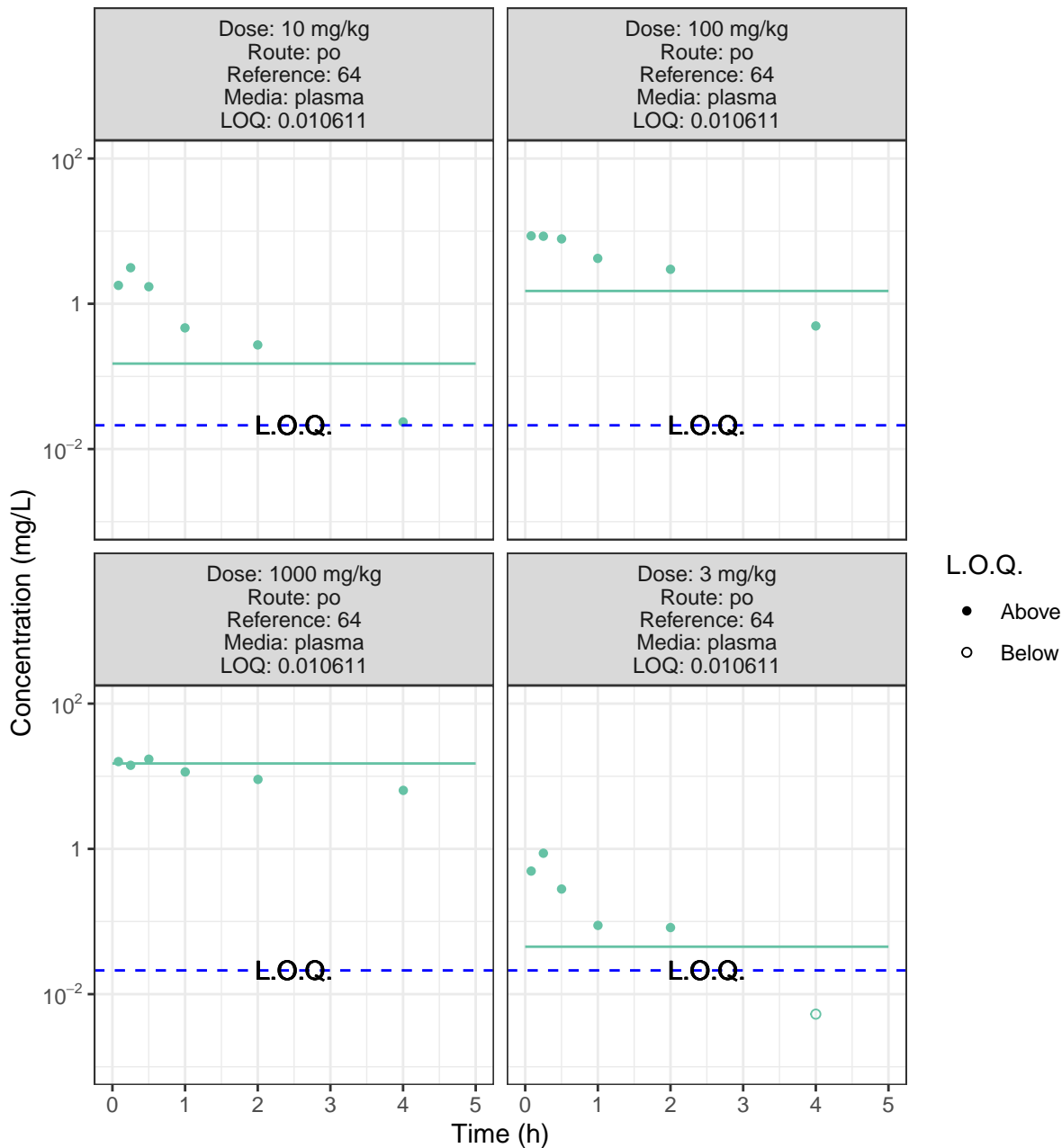
Time (h)	1 mg/kg Dose (ng/mL)	5 mg/kg Dose (ng/mL)
0	~0.0001	~0.0002
2	~0.0001	~0.0002
4	~0.0001	~0.0002
8	~0.0001	~0.0002
16	~0.0001	~0.0002
32	~0.0001	~0.0002
48	~0.0001	~0.0002
72	~0.0001	~0.0002

- Above
- Below

## propiverine (flat)

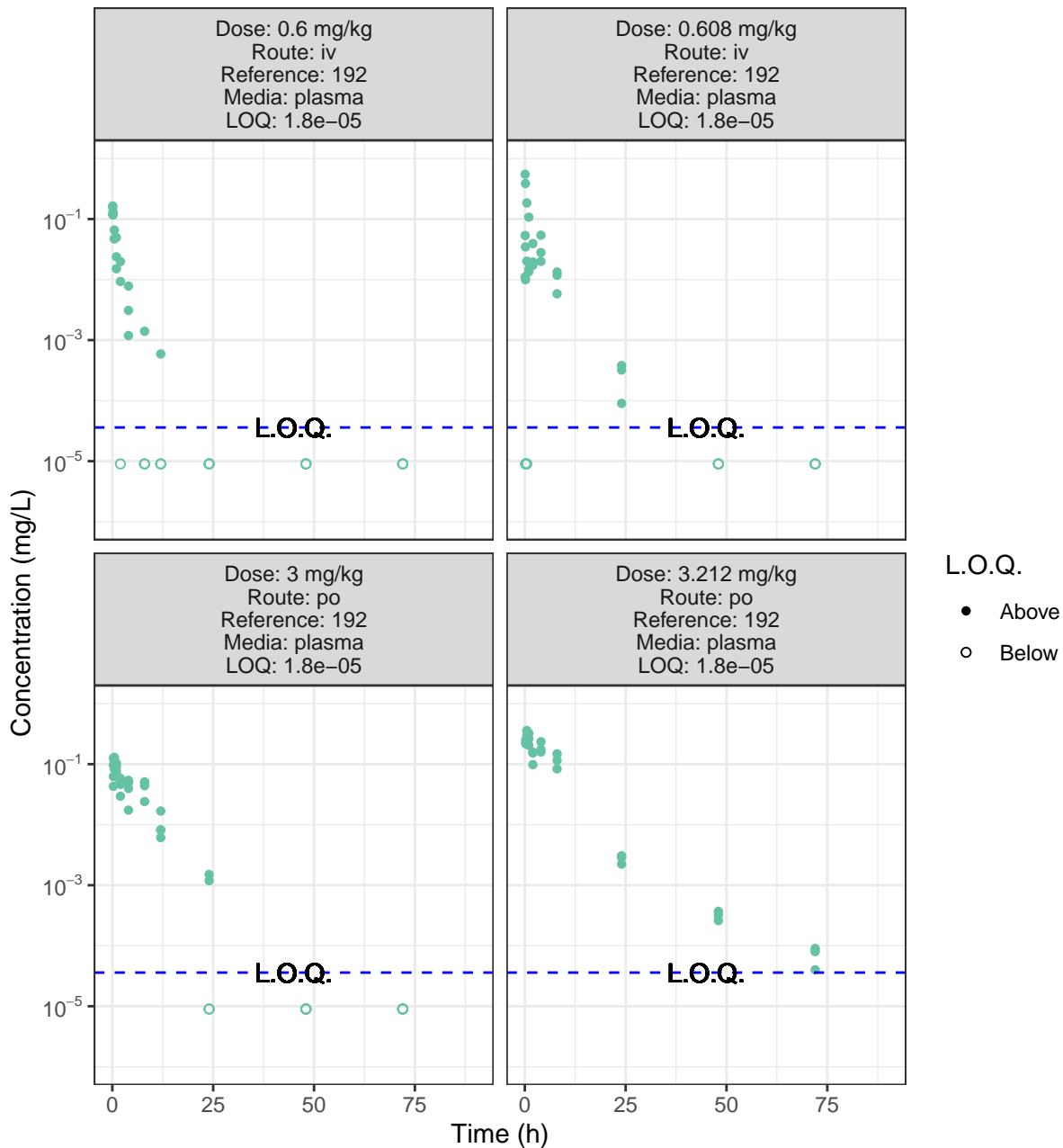


# propylparaben (flat)

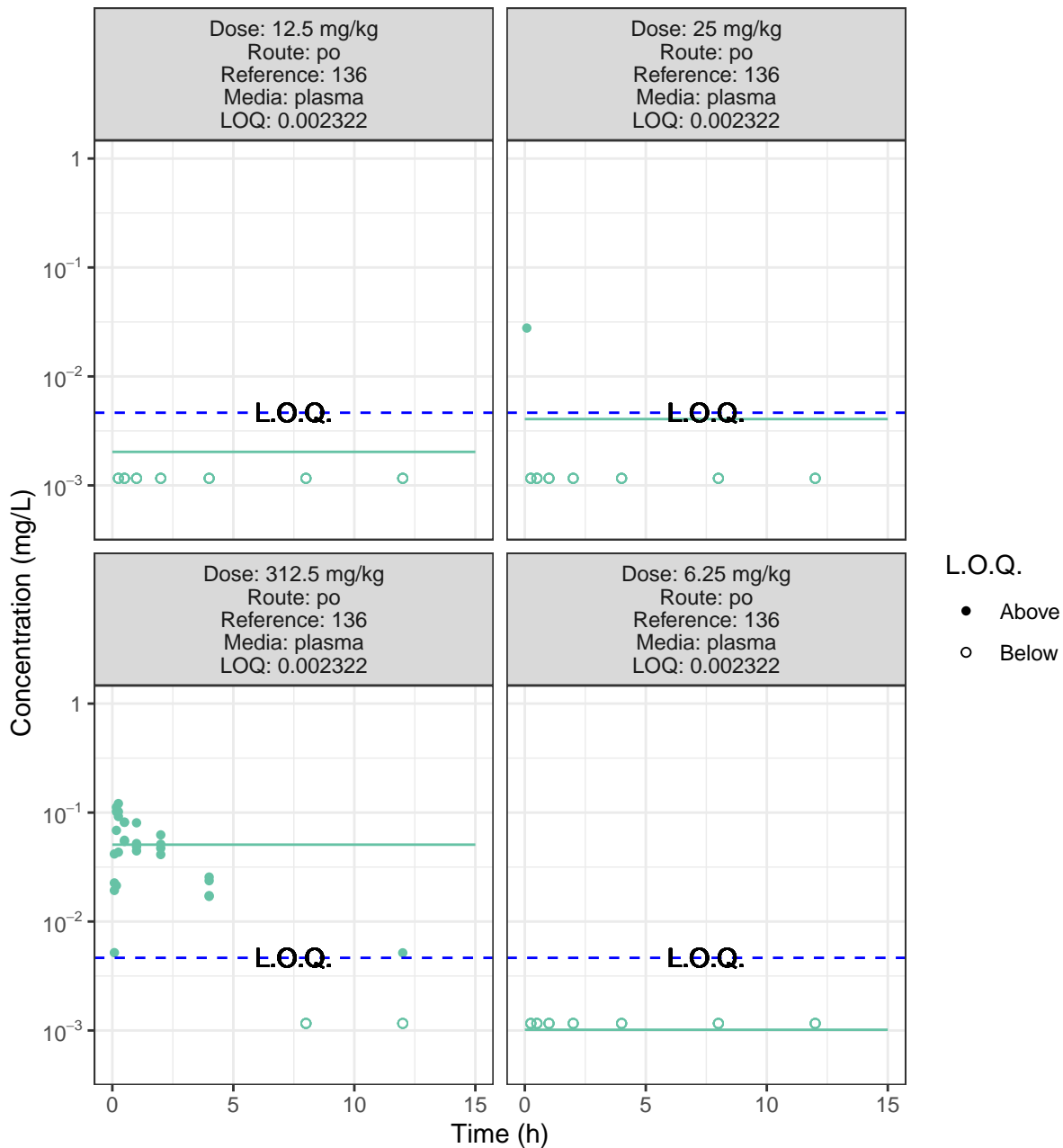




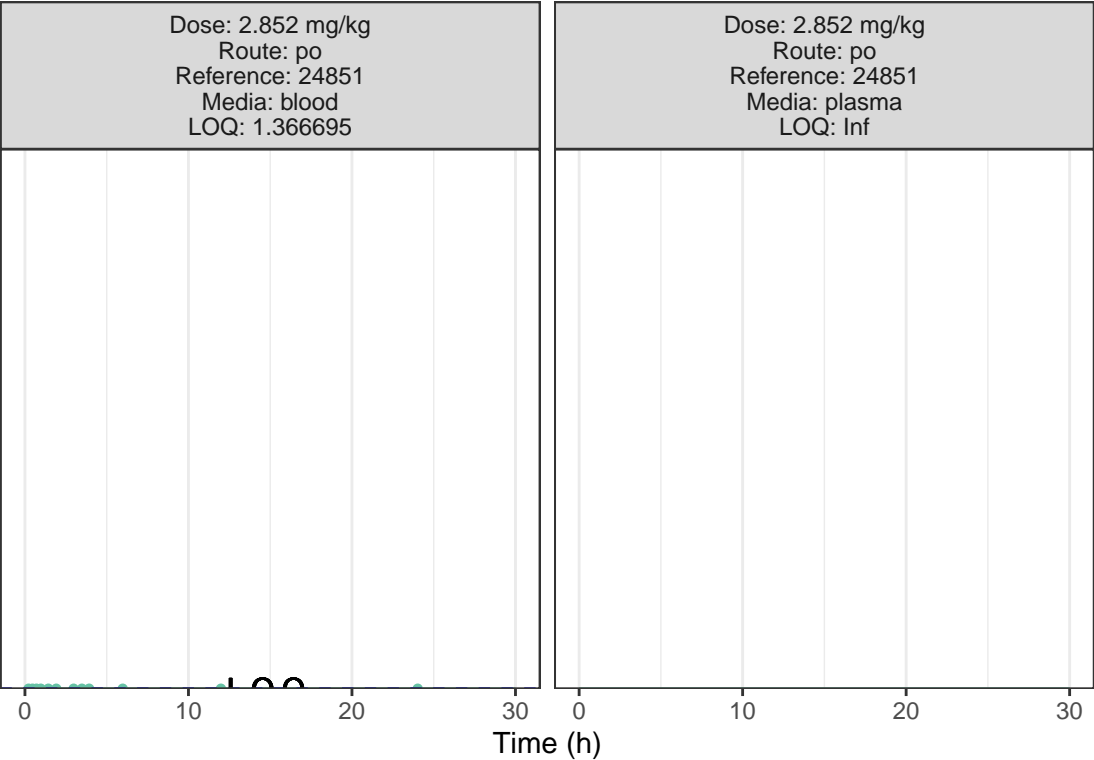
# propyzamide (flat): Optimizer Failed, No Curve Fit



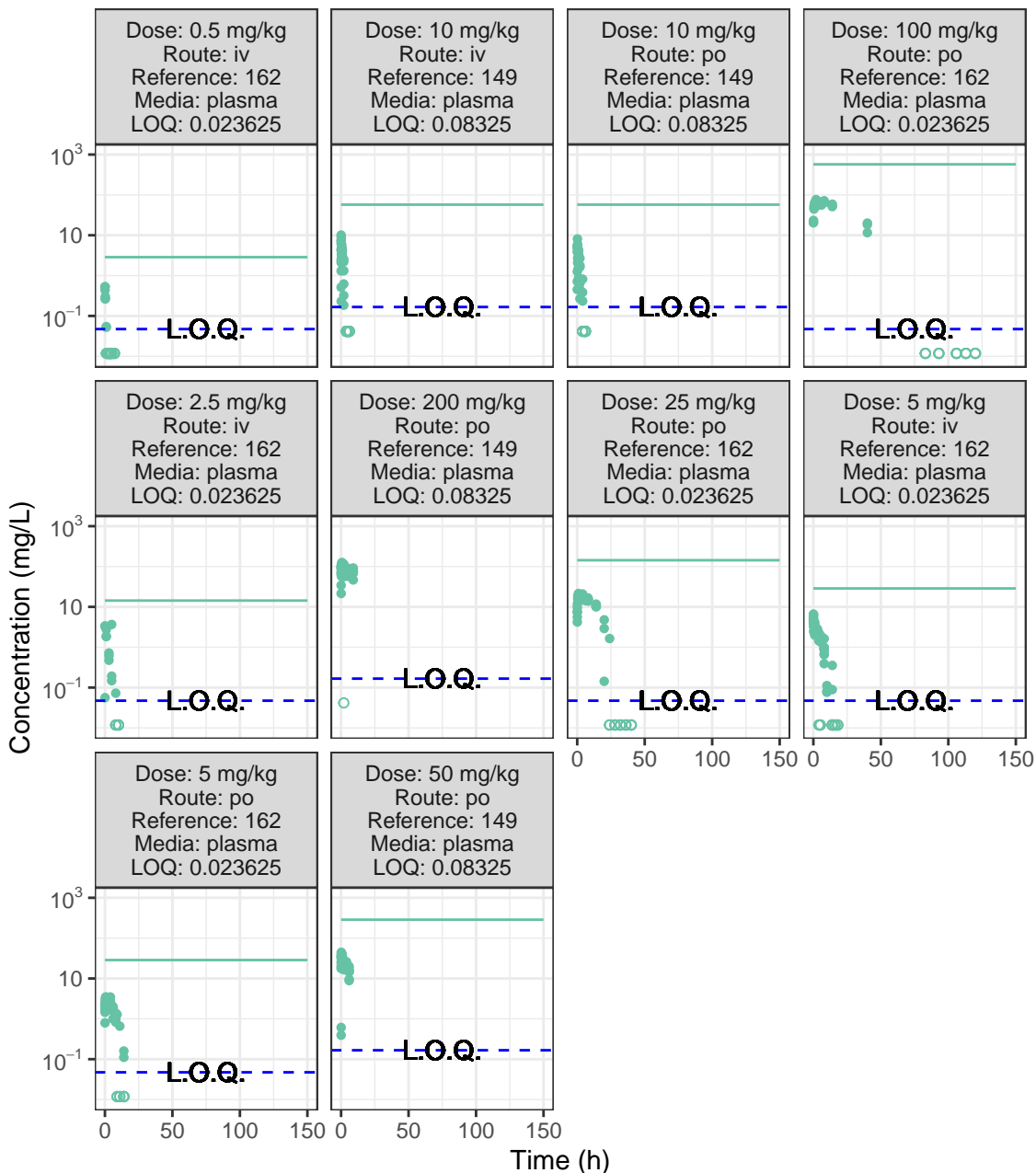
# pseudoephedrine (flat)



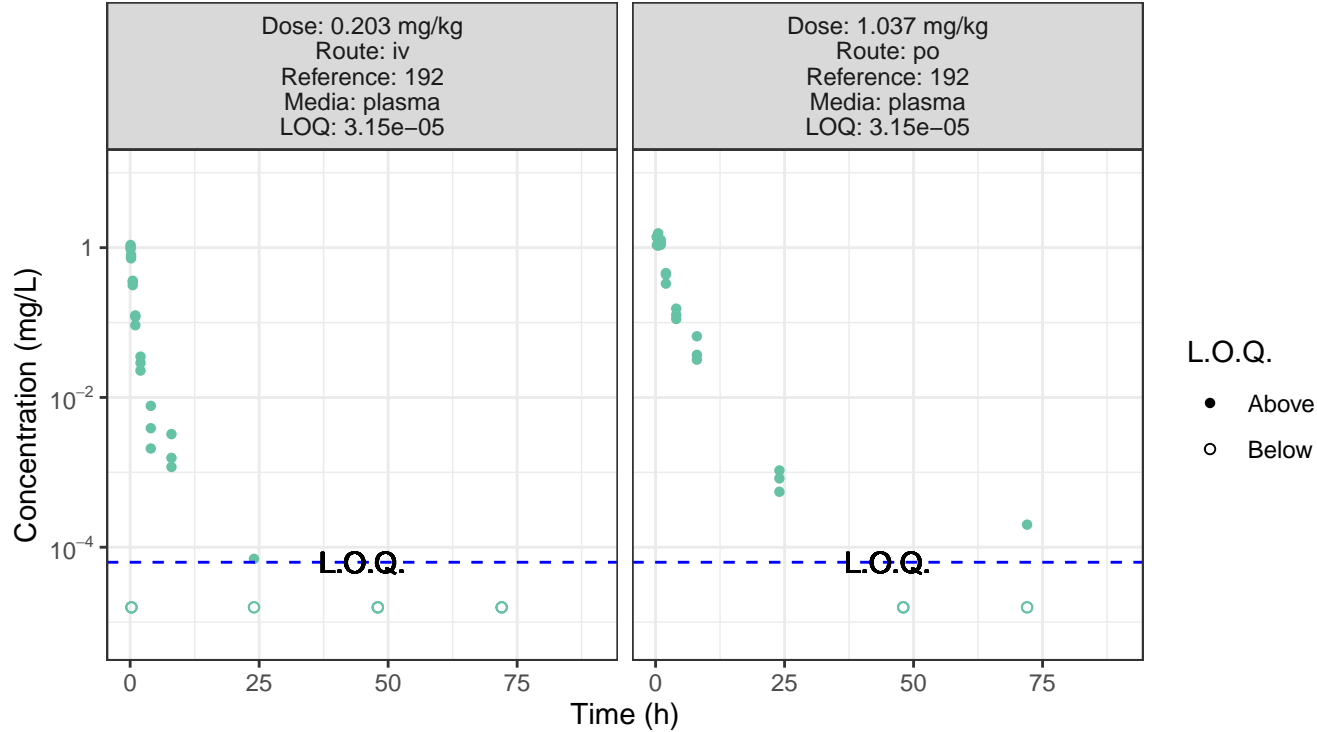
psoralen (flat)



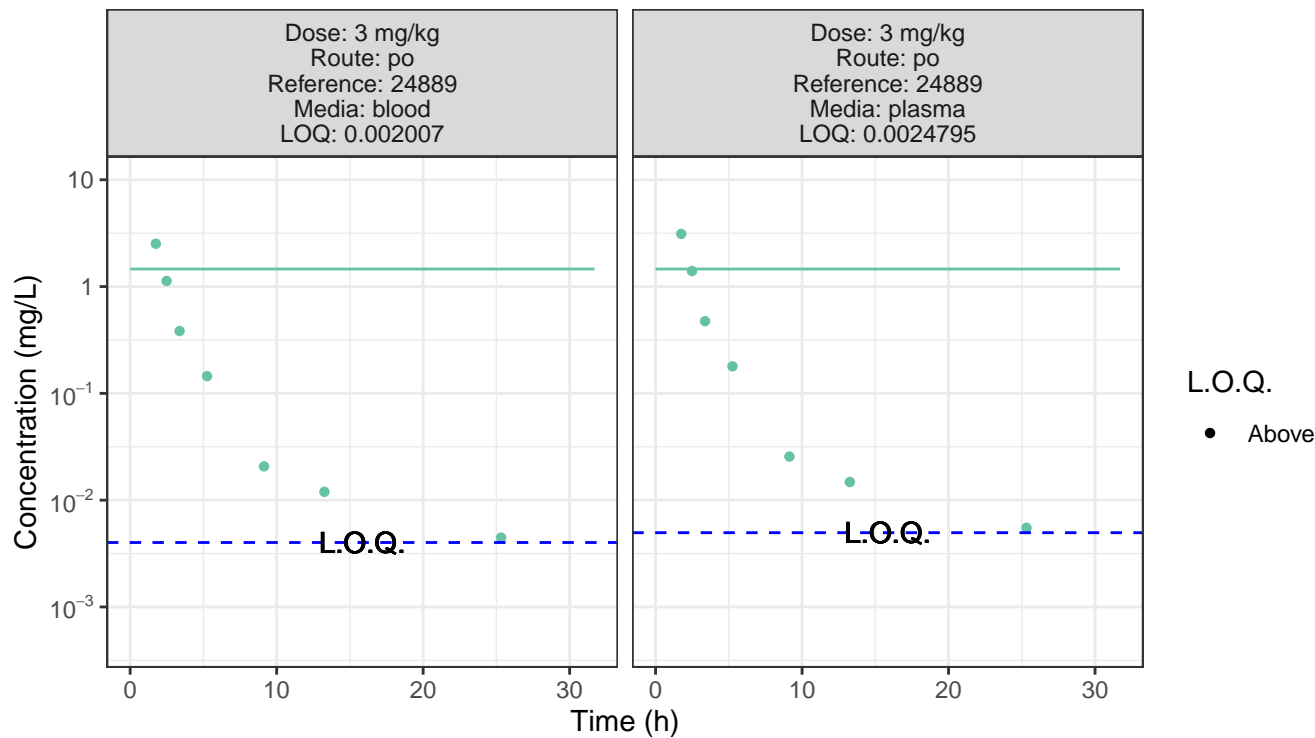
# pyridine (flat)



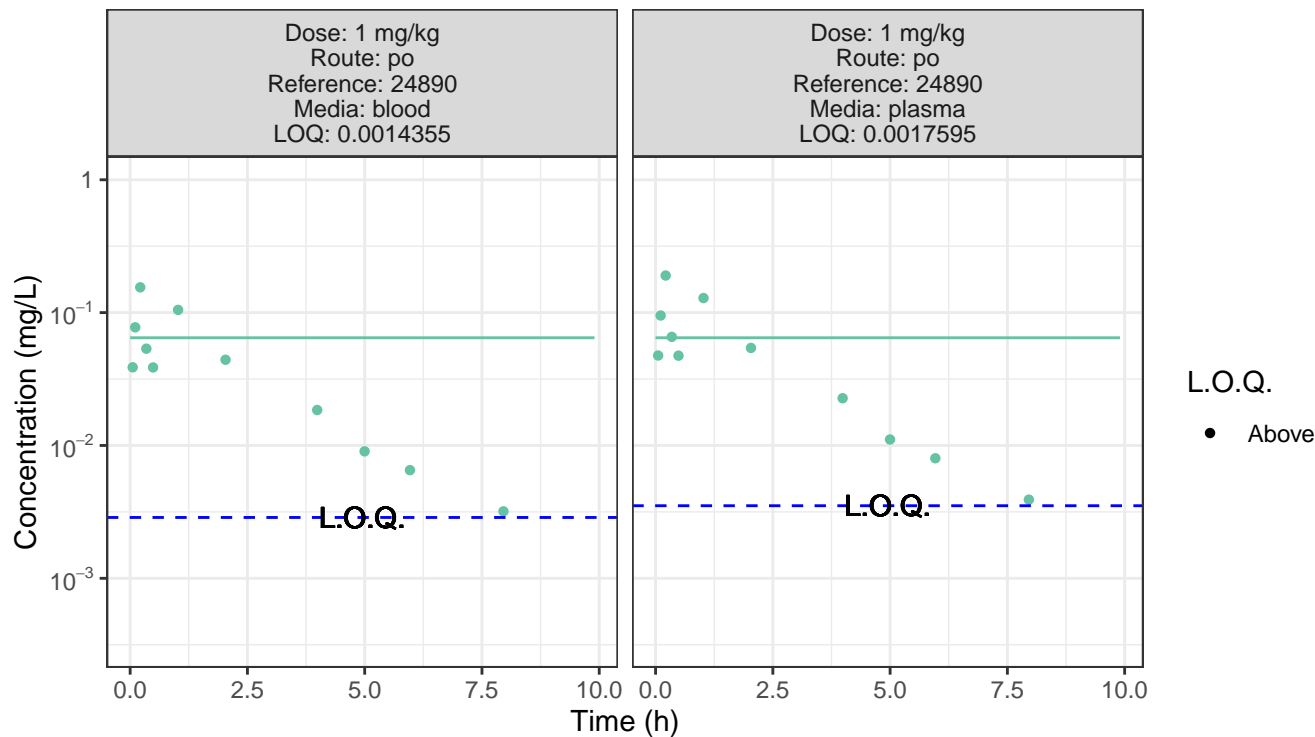
pyrithiobac sodium (flat): Optimizer Failed, No Curve Fit



## quinaprilat (flat)

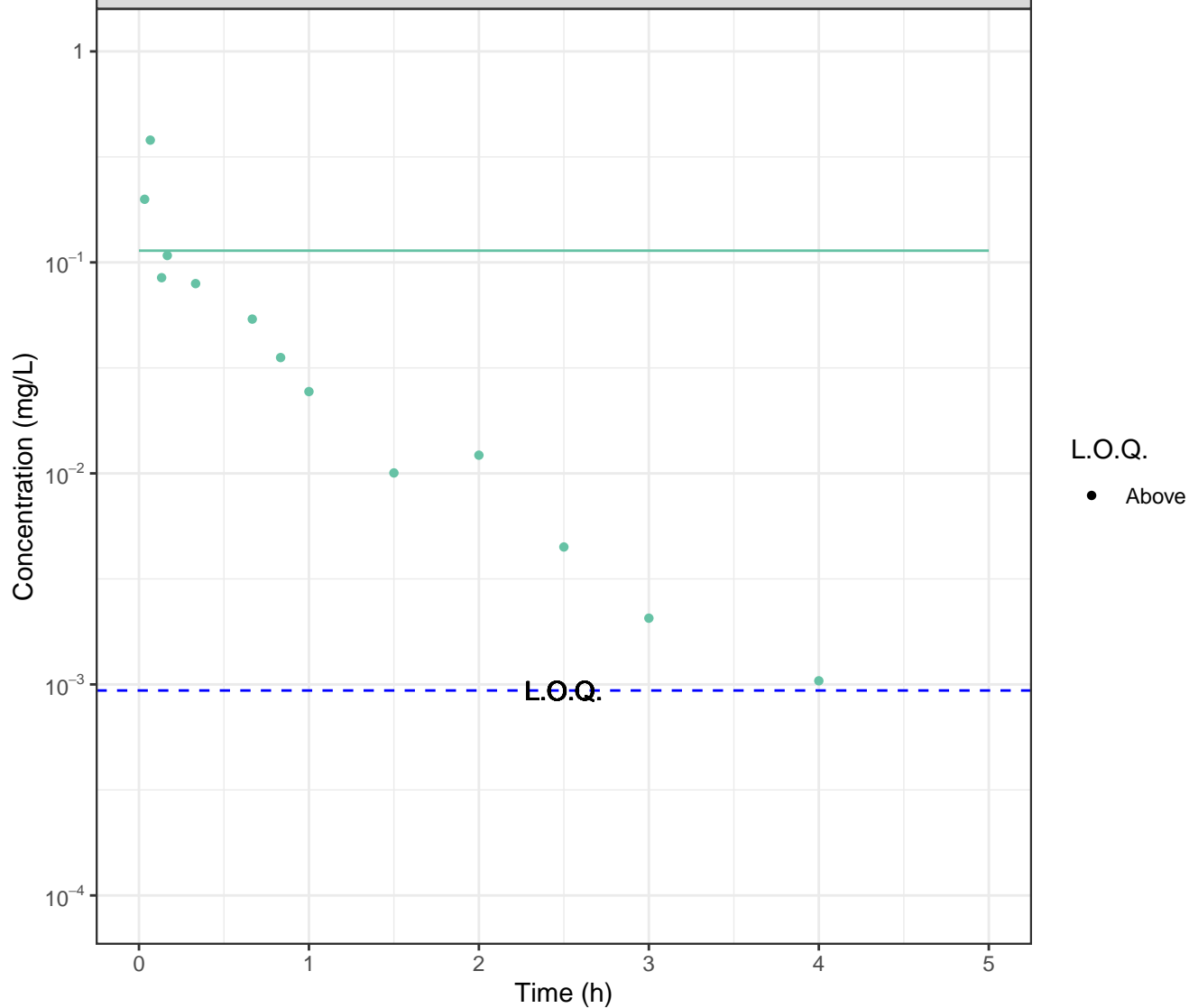


## quinotolast (flat)



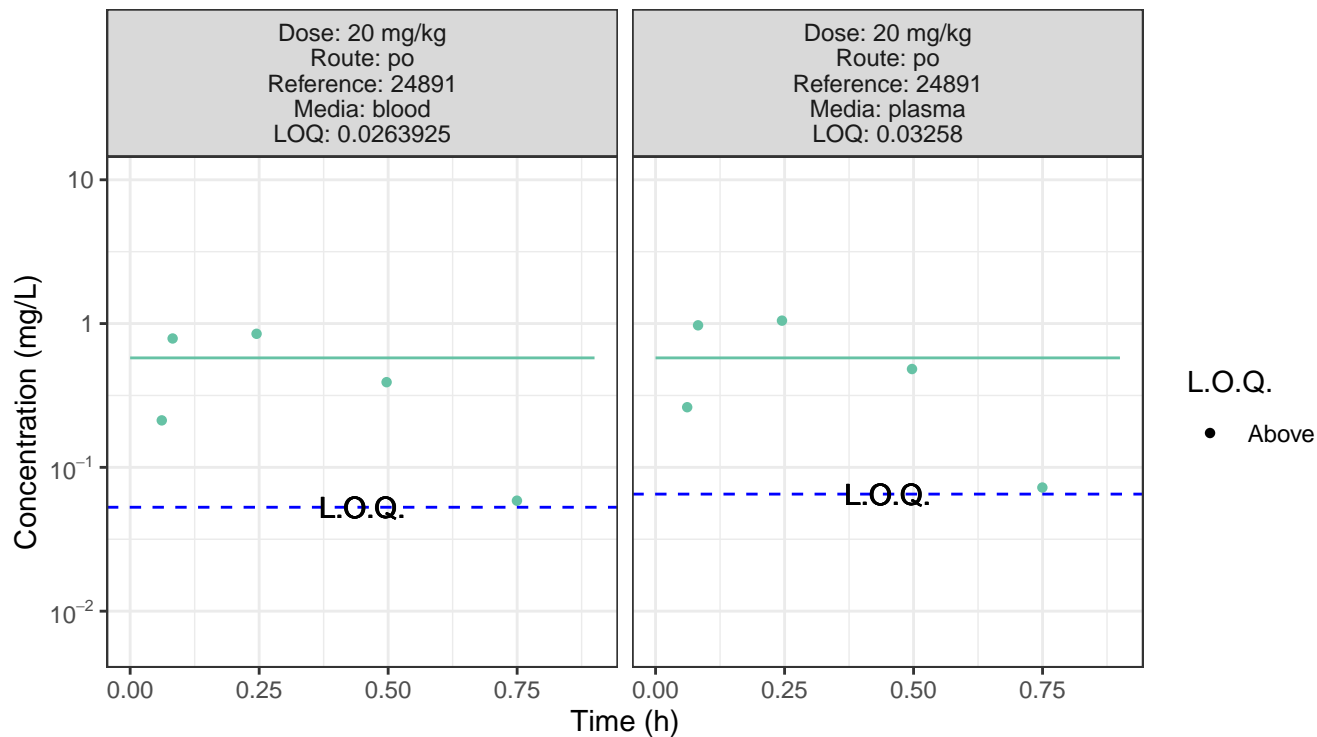
# r-metoprolol (flat)

Dose: 15 mg/kg  
Route: po  
Reference: 216  
Media: plasma  
LOQ: 0.000468

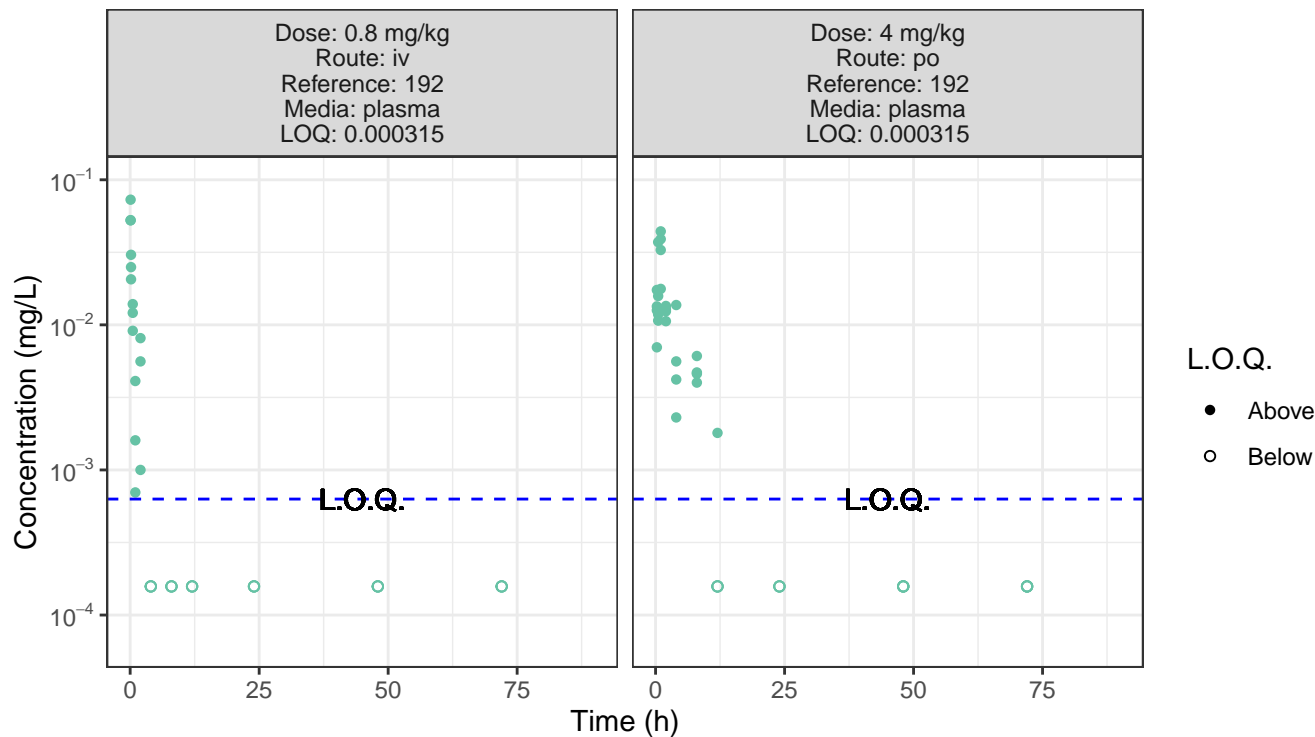




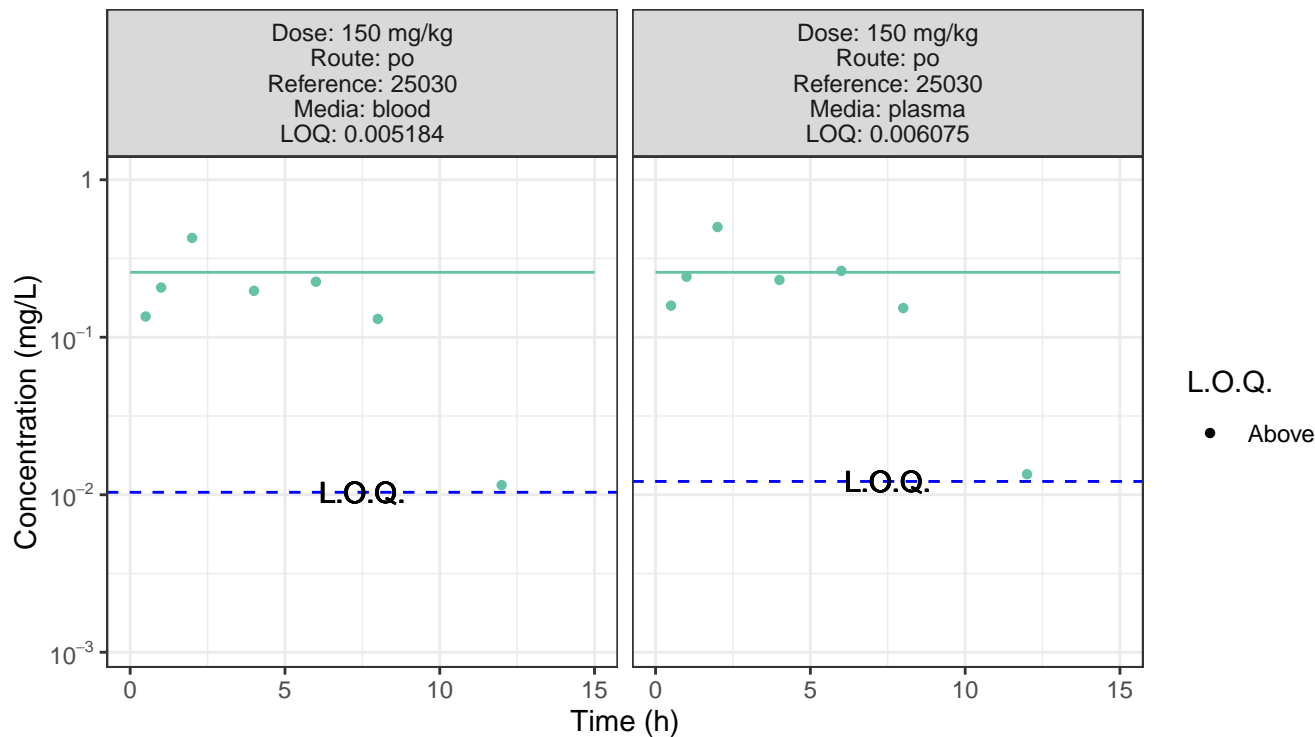
## rabeprazole (flat)



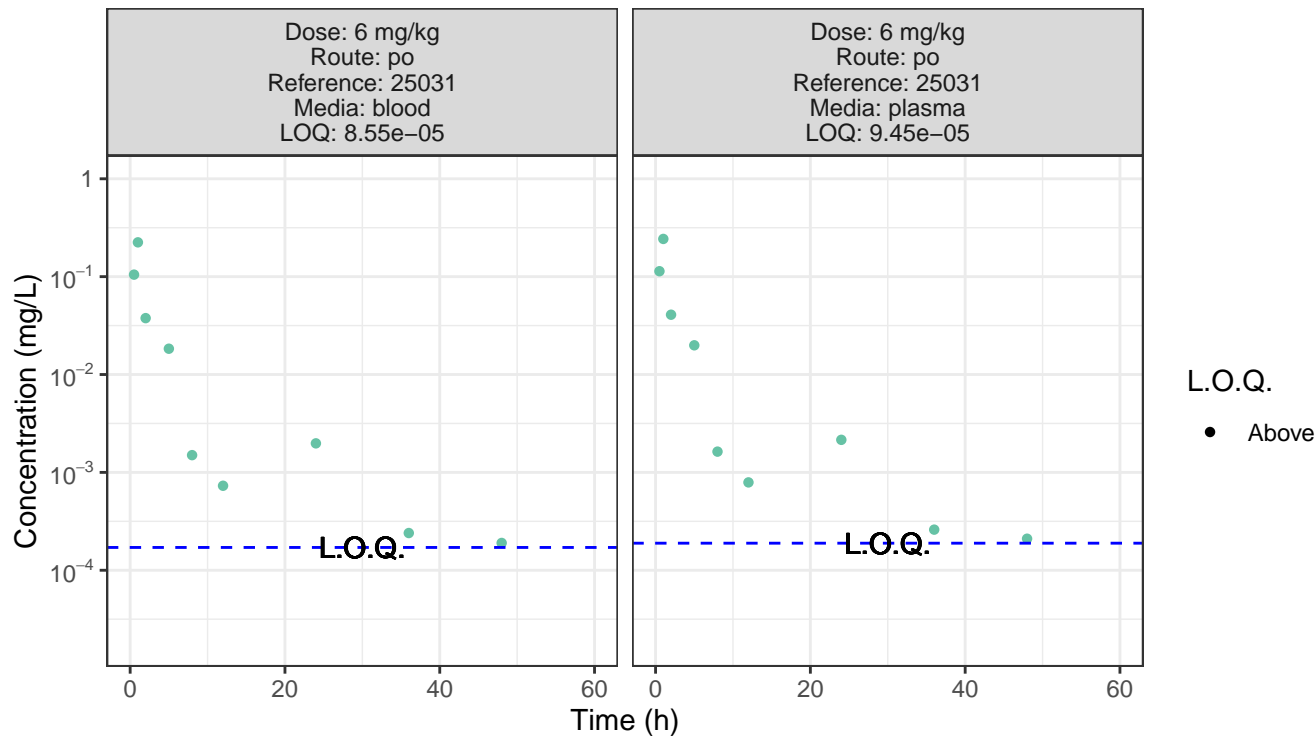
# resmethrin (flat): Optimizer Failed, No Curve Fit



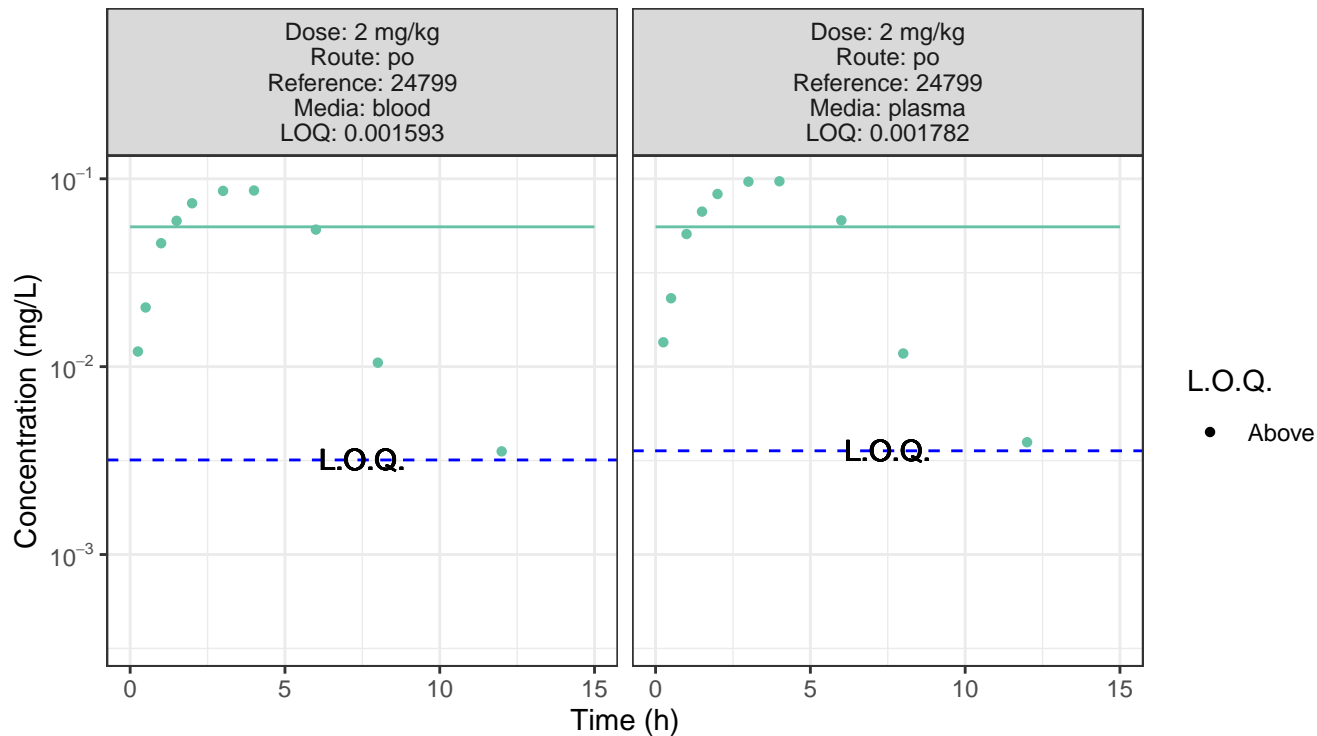
## resveratrol (flat)



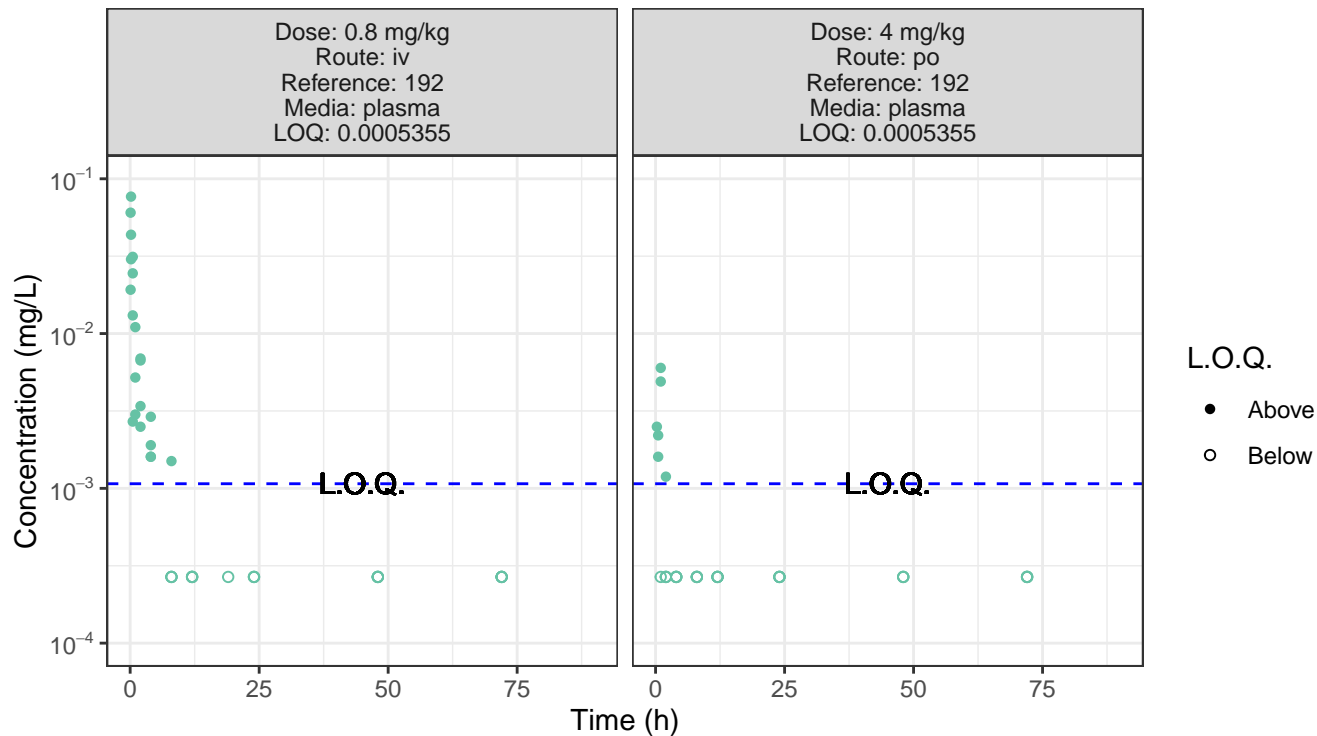
# risperidone (flat): Optimizer Failed, No Curve Fit



## rivaroxaban (flat)

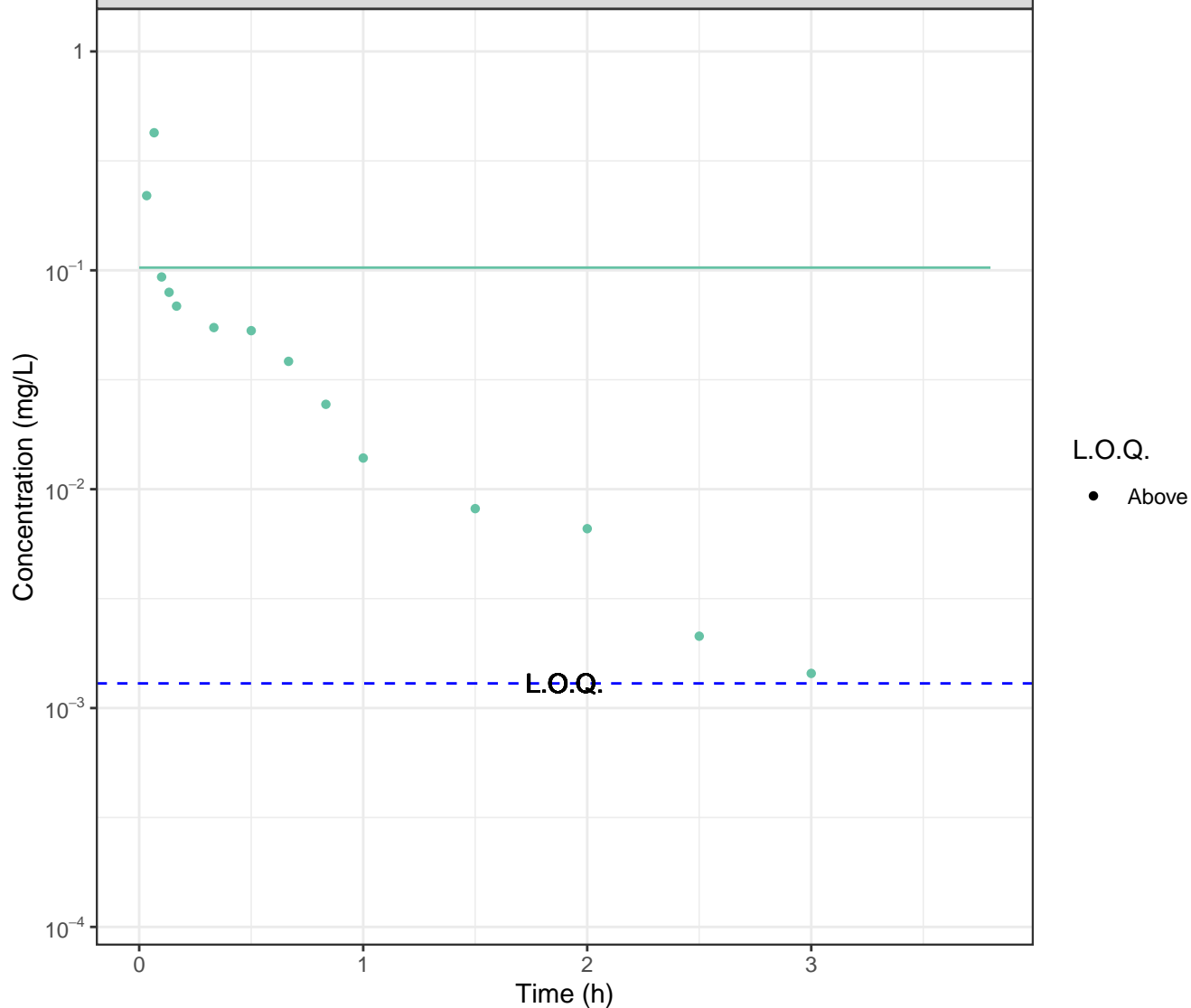


s-bioallethrin (flat): Optimizer Failed, No Curve Fit

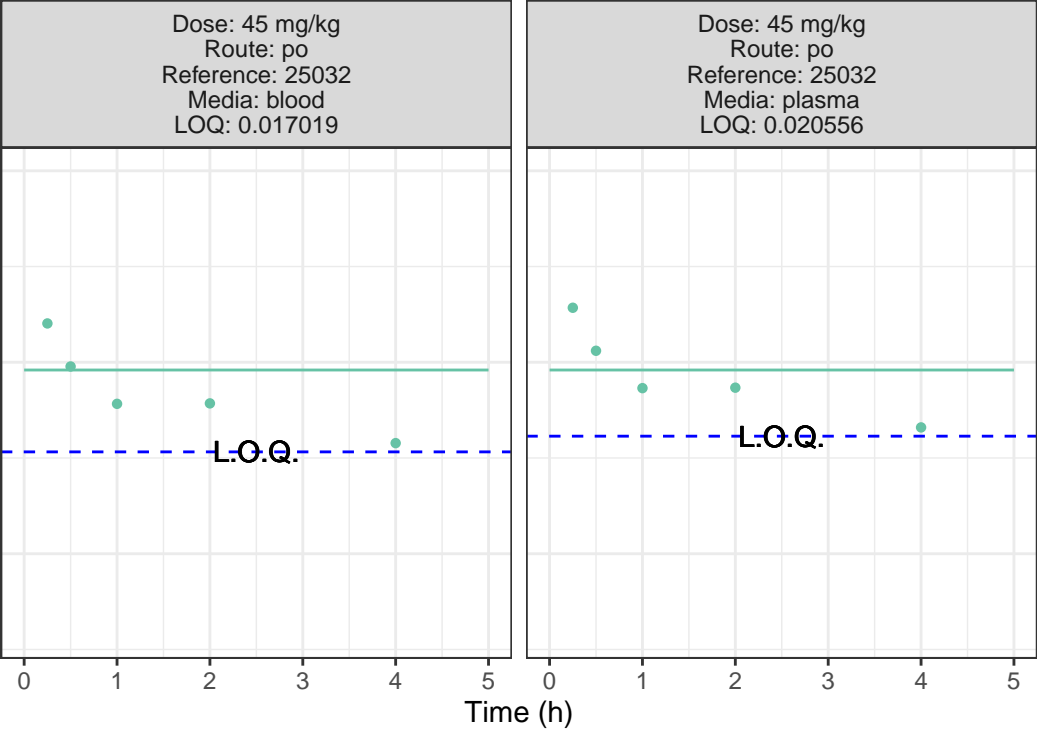


# s-metoprolol (flat)

Dose: 15 mg/kg  
Route: po  
Reference: 216  
Media: plasma  
LOQ: 0.000648

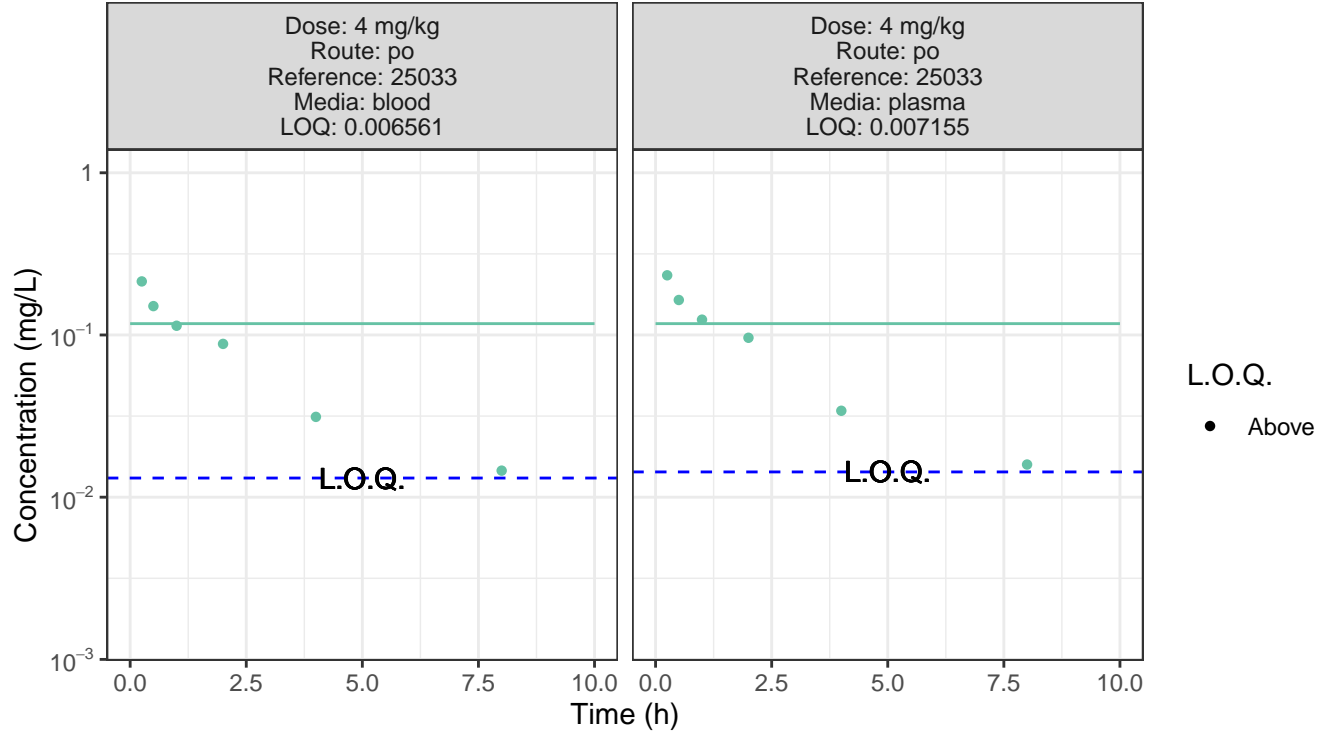


sacubitril (flat)

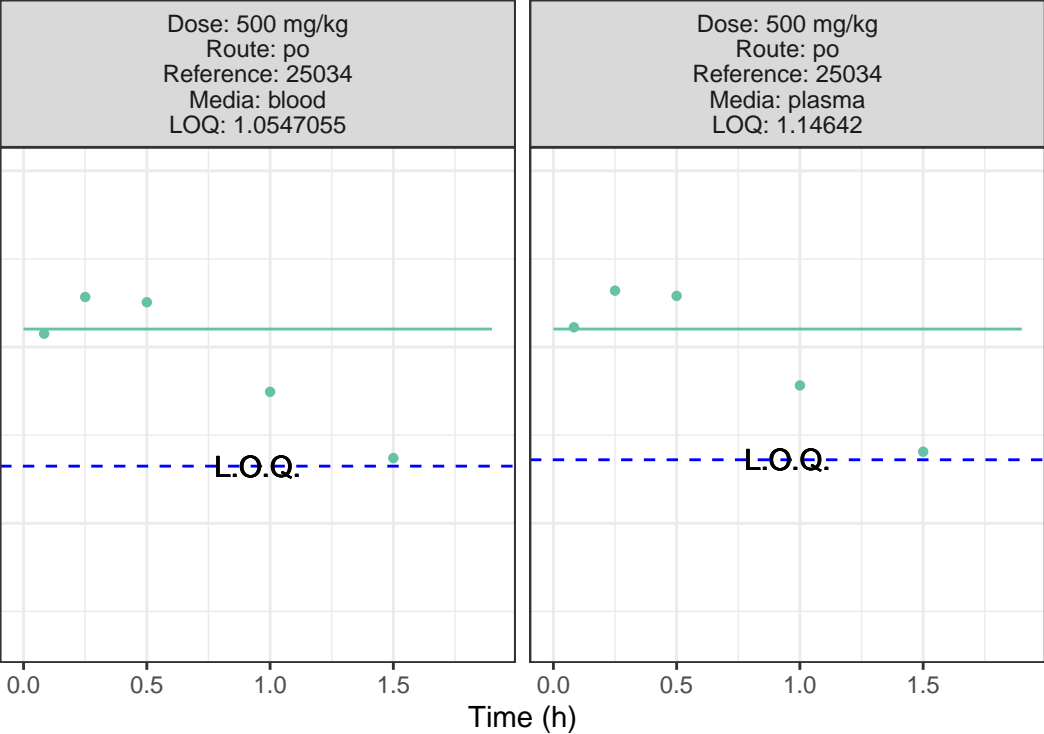




saquinamide (flat)



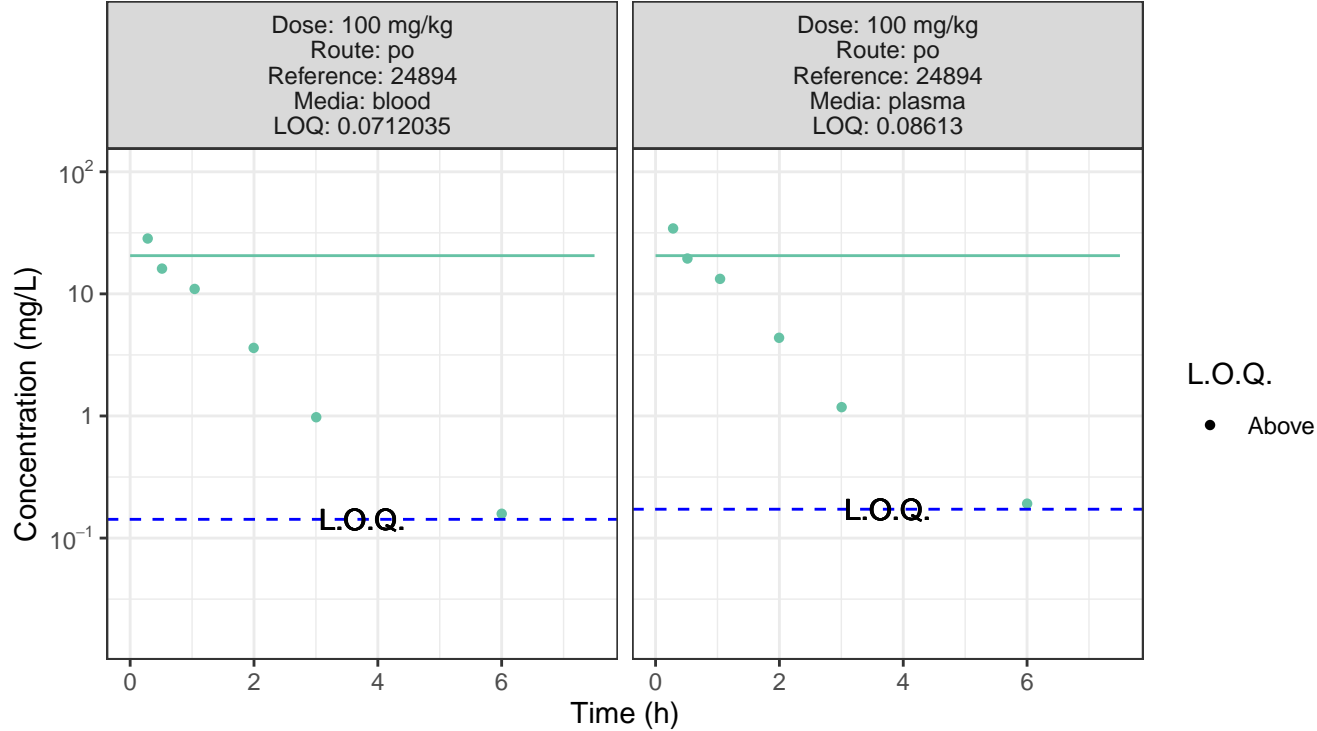
salicylamide (flat)



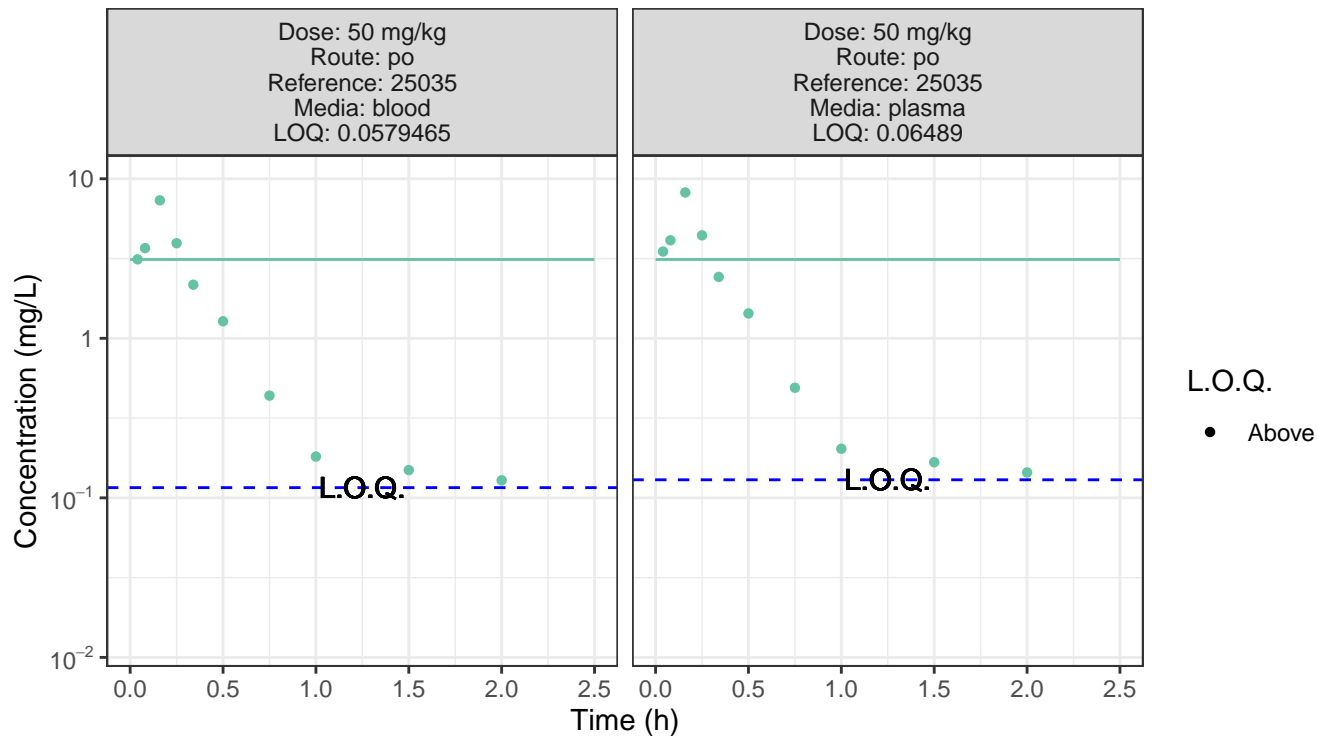
L.O.Q.

• Above

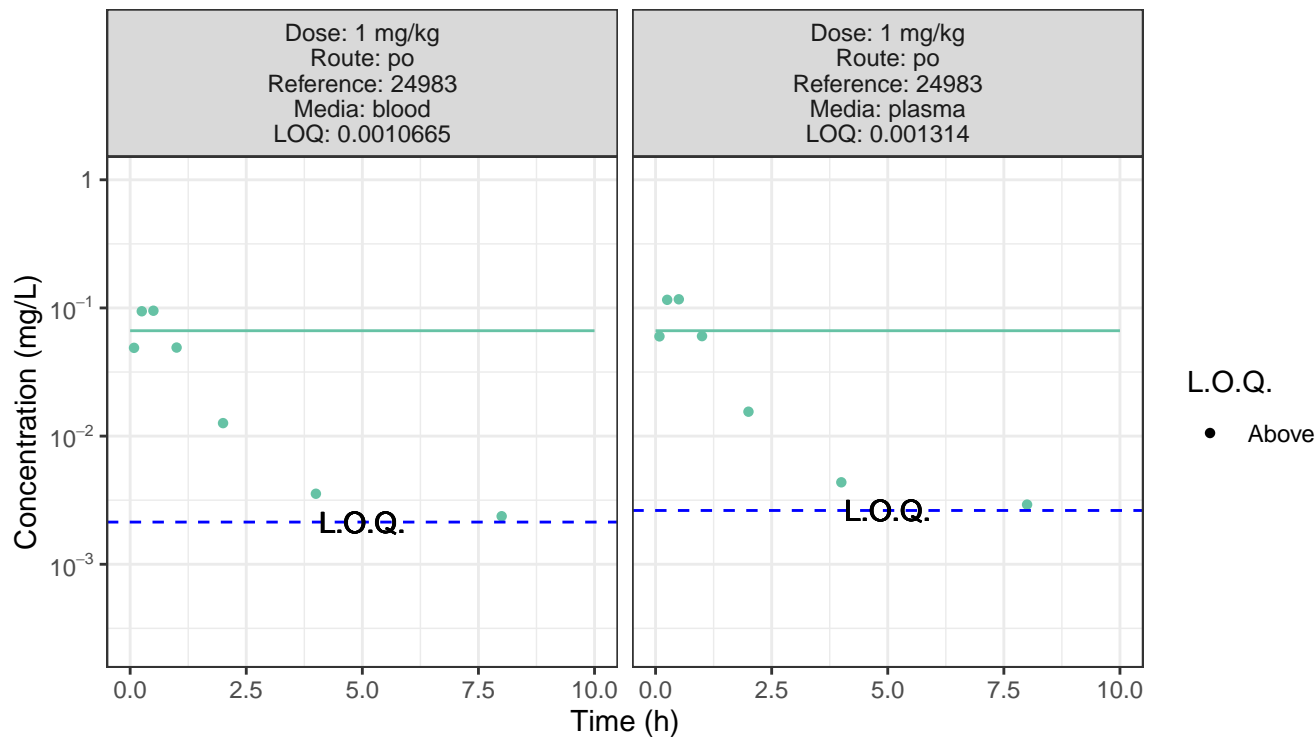
sarpogrelate (flat)



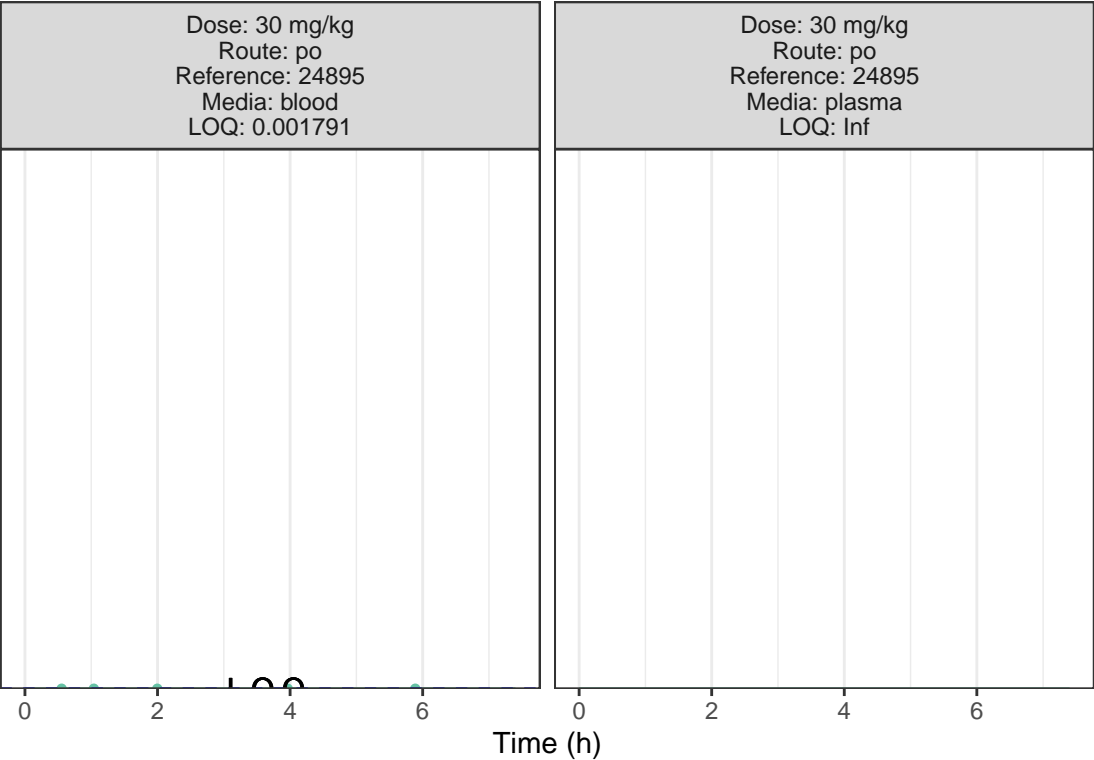
## scopoletin (flat)



## senkirkine (flat)



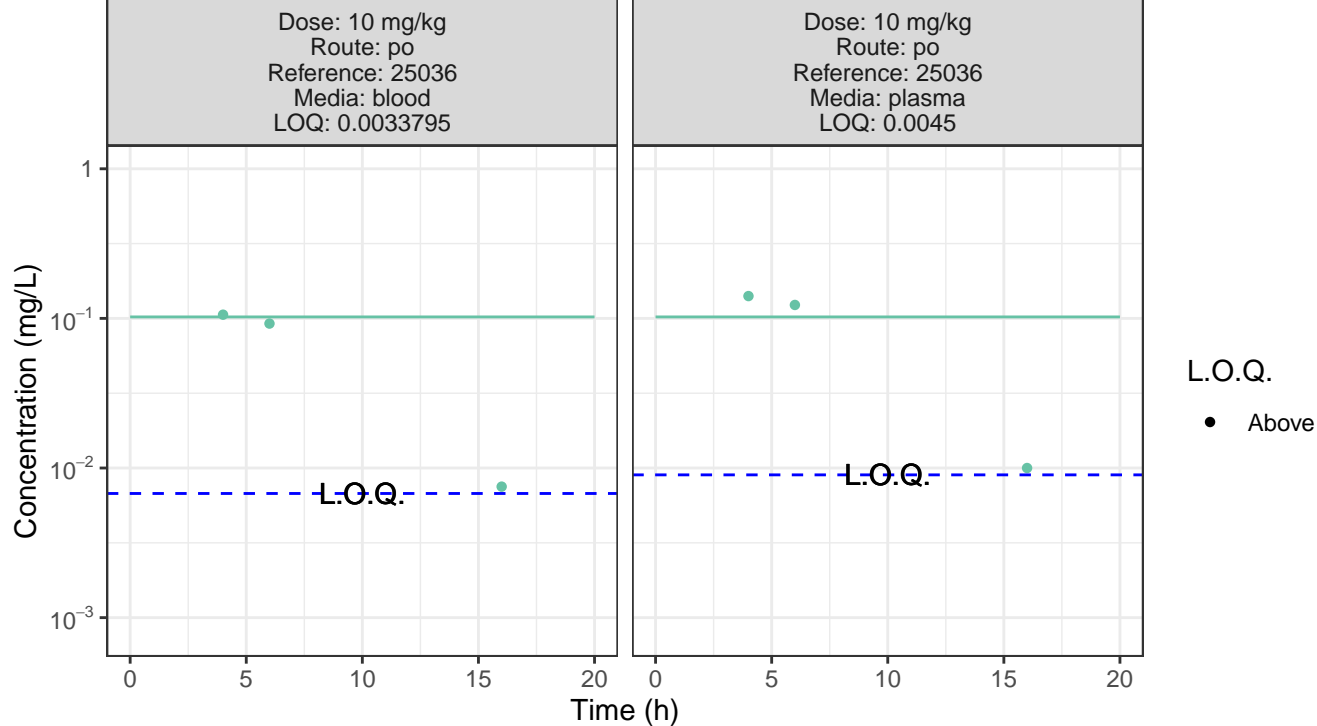
sepimostat (flat)



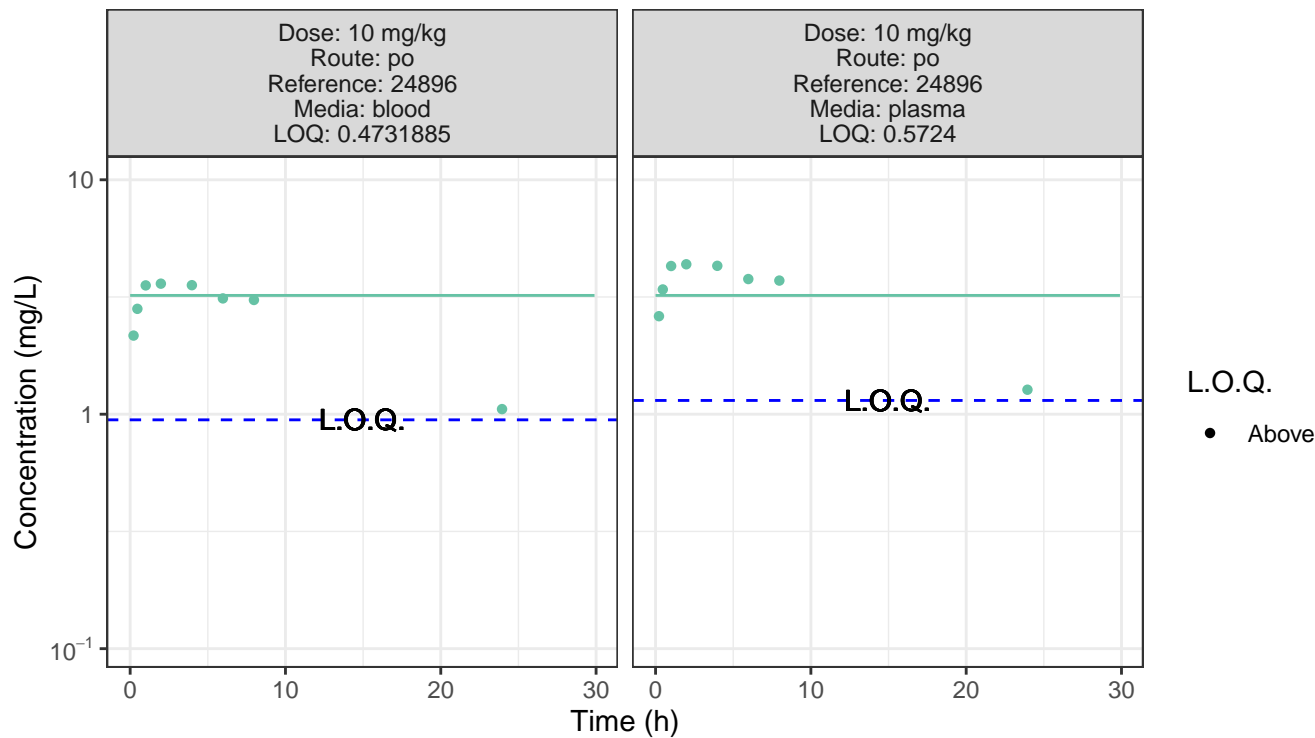
L.O.Q.

- Above
- Below

sertraline (flat)

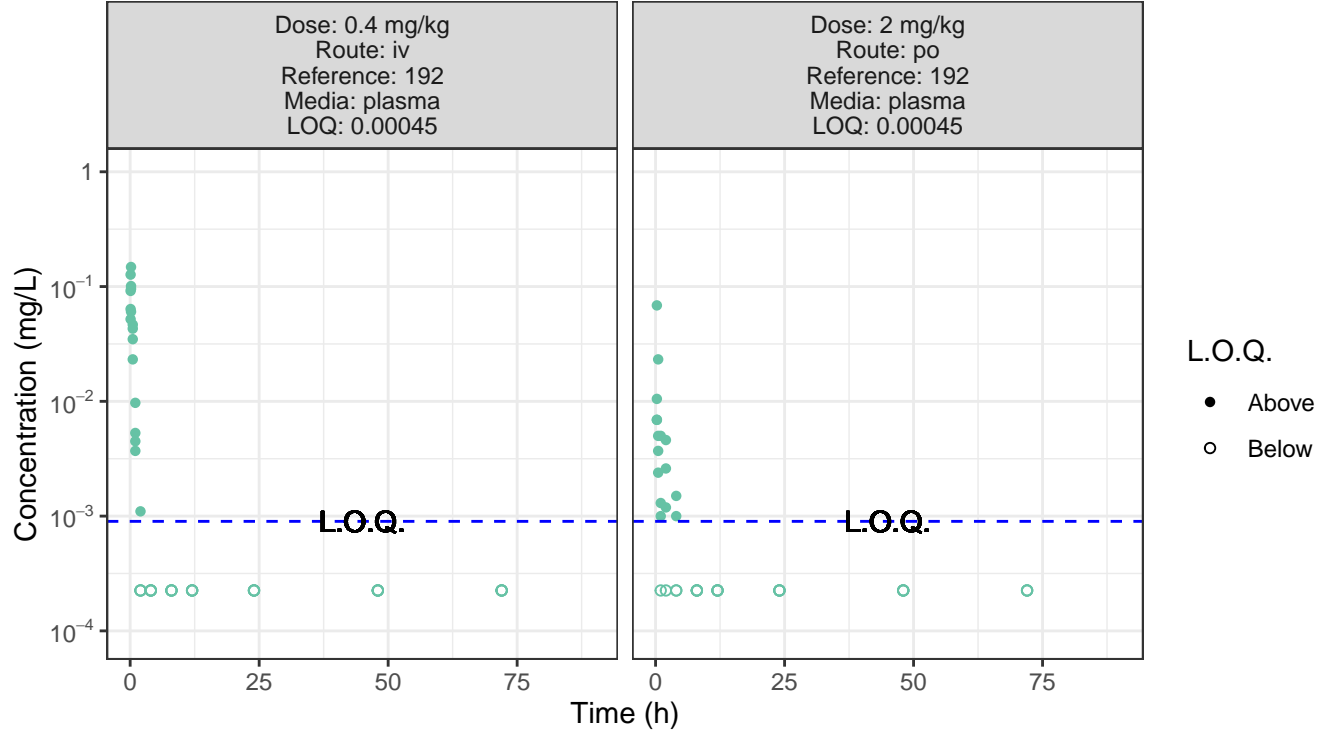


## silmitasertib (flat)

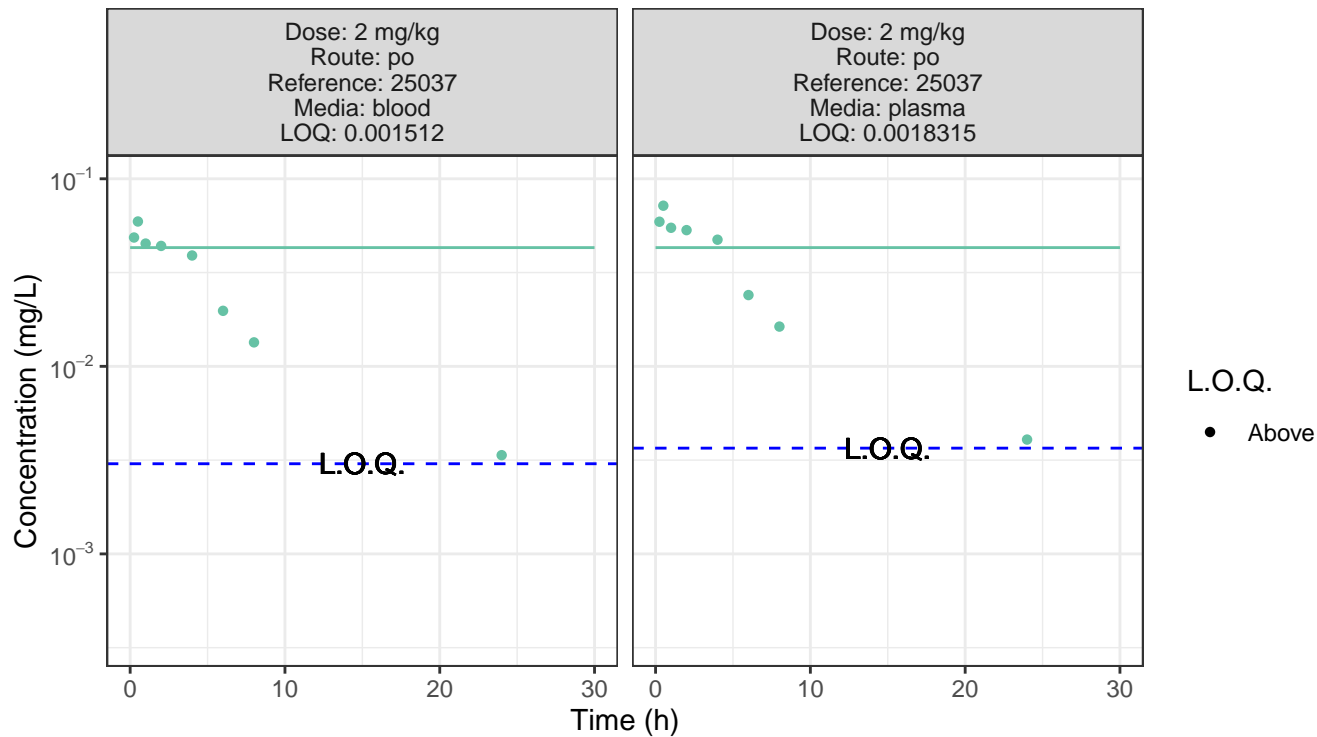




simazine (flat): Optimizer Failed, No Curve Fit

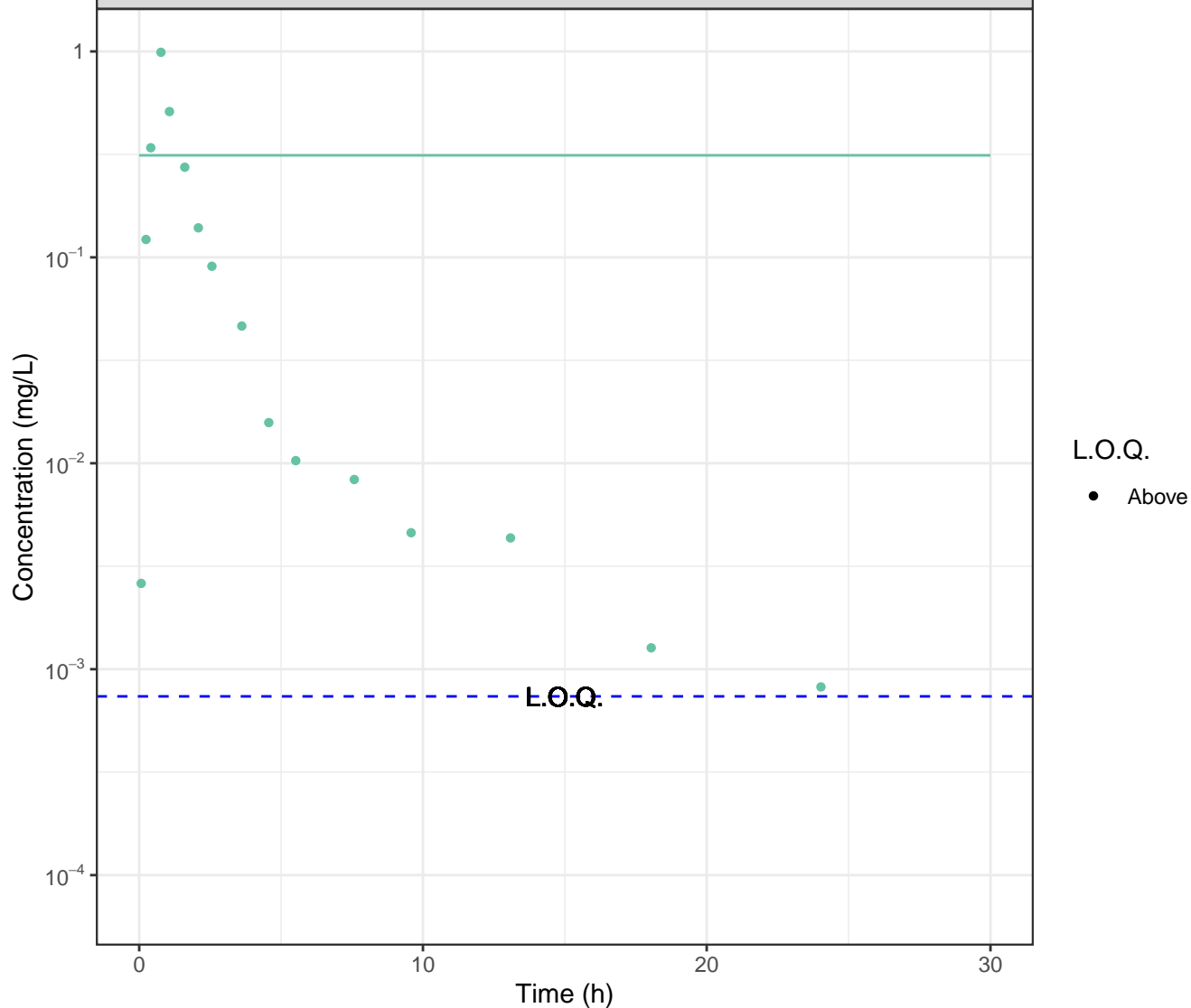


## sitagliptin (flat)

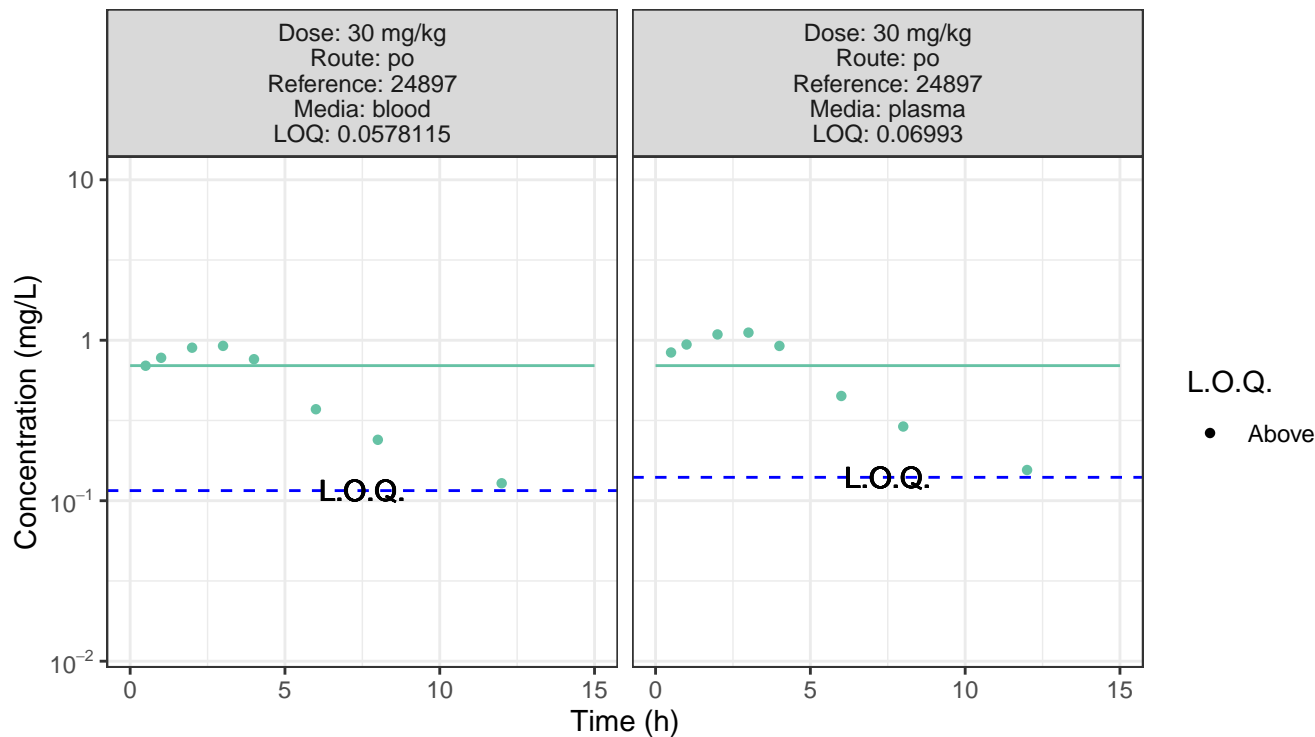


# solvent red1 (flat)

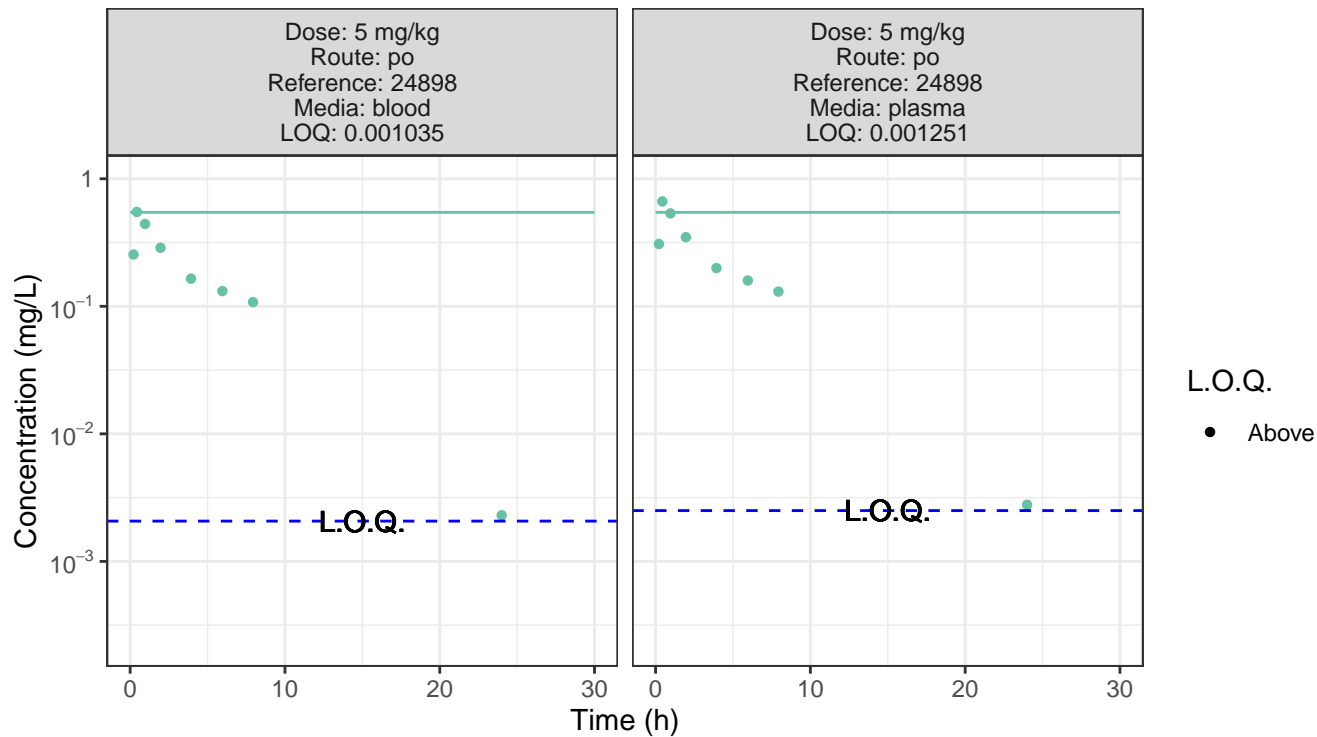
Dose: 20 mg/kg  
Route: po  
Reference: 66  
Media: blood  
LOQ: 0.000369



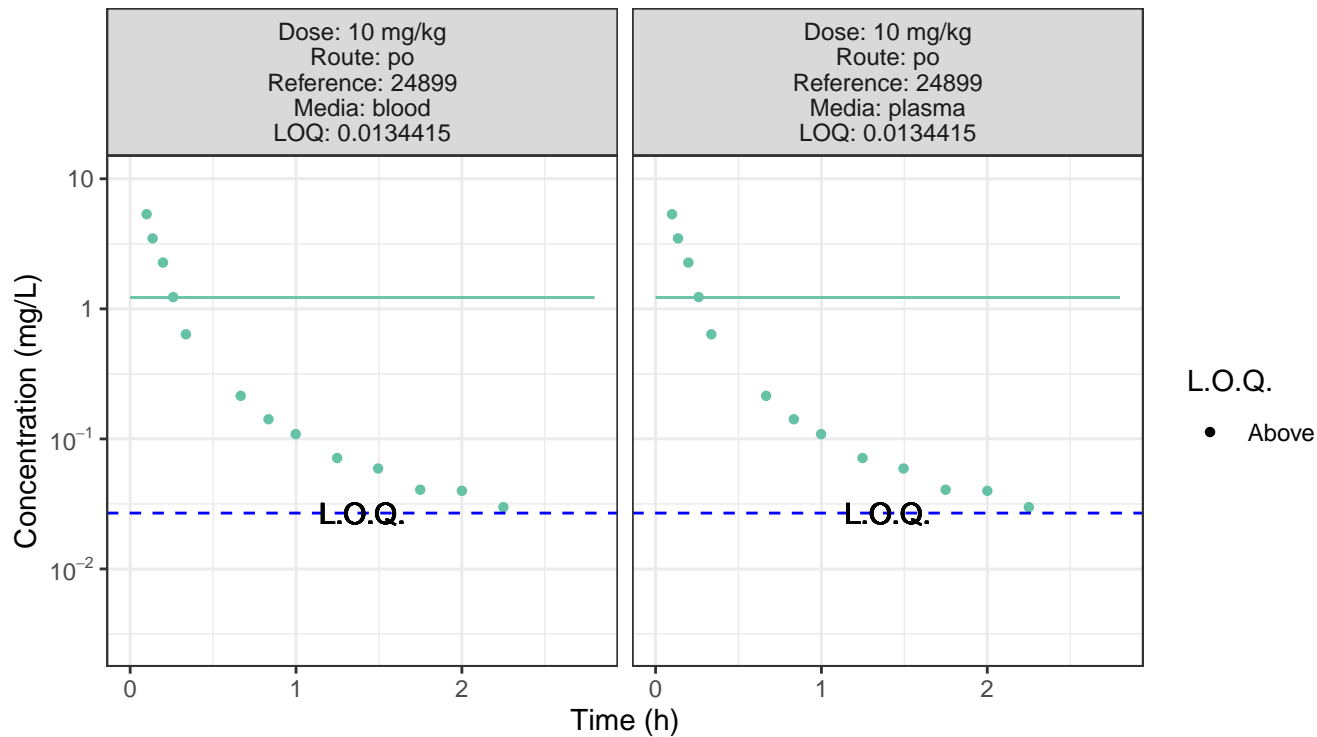
## sotalol (flat)



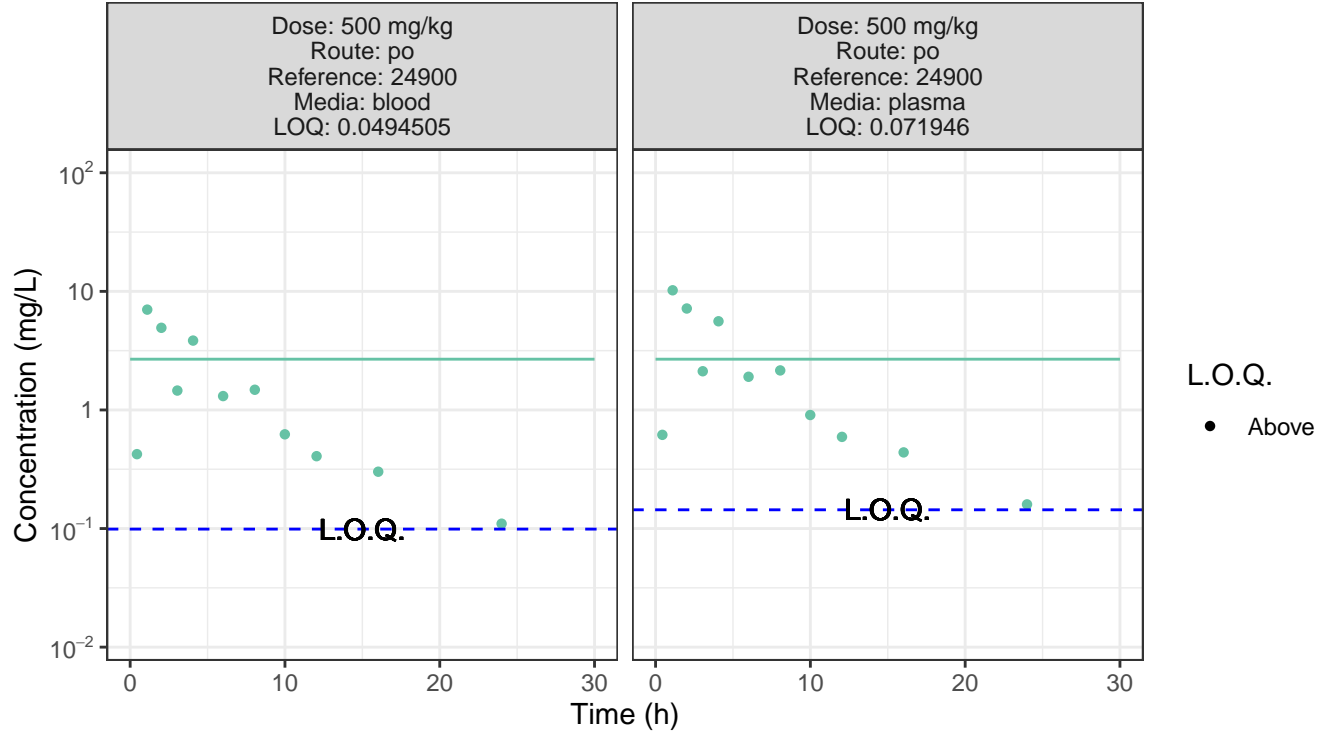
## sparfloxacin (flat)



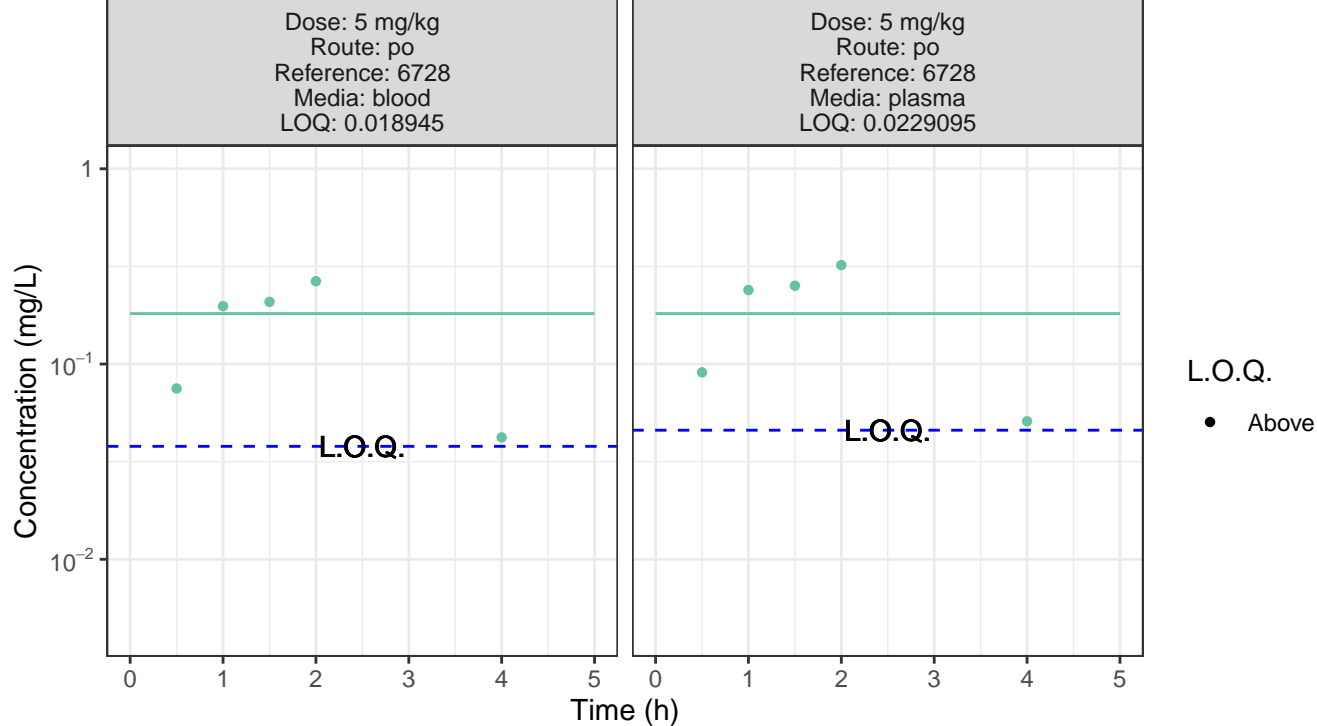
## styrene (flat)



sulfasalazine (flat)

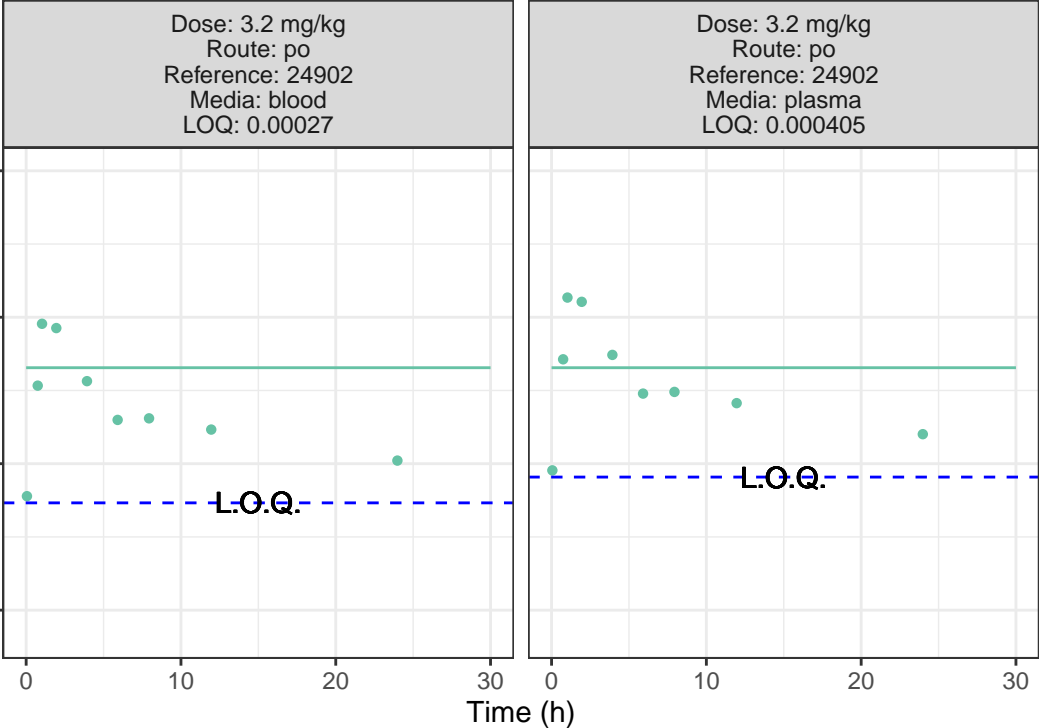


sumatriptan (flat)

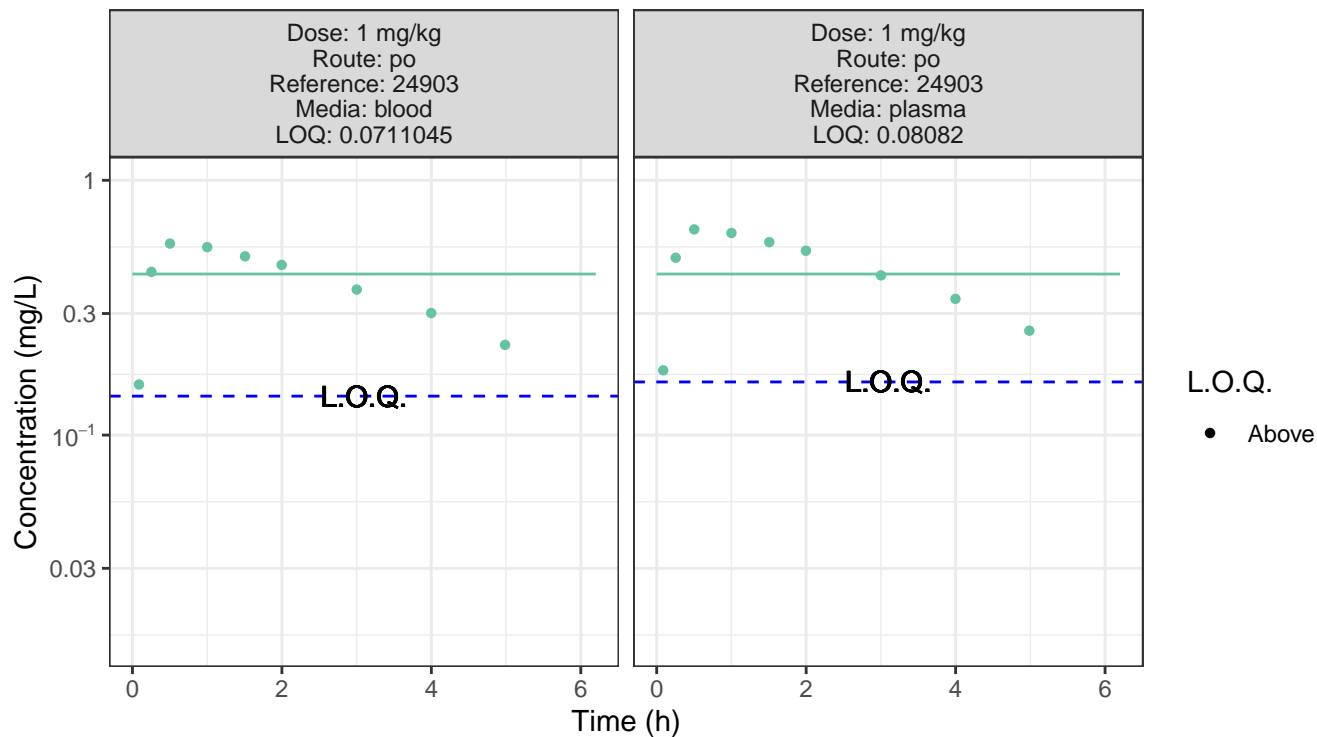




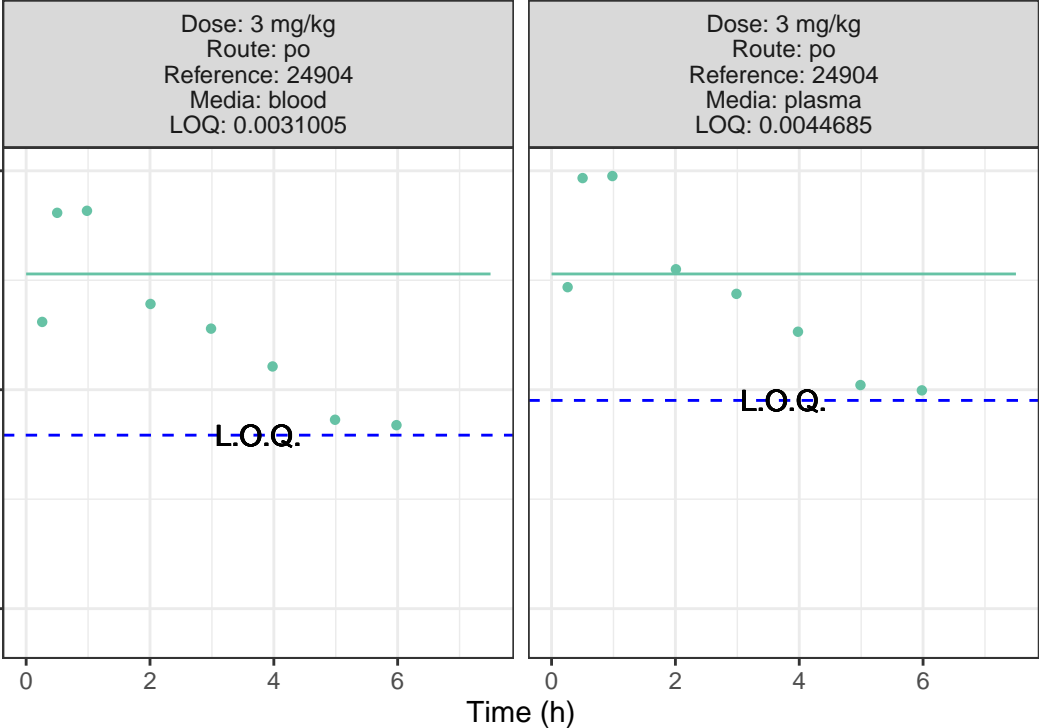
tacrolimus (flat)



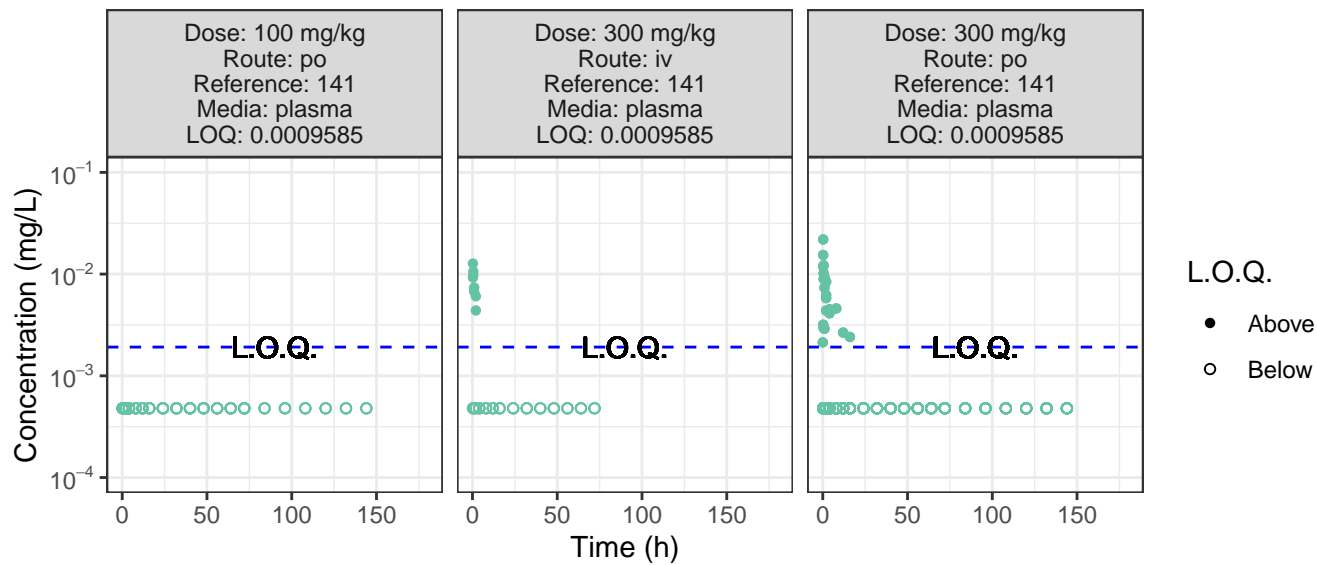
## tadalafil (flat)



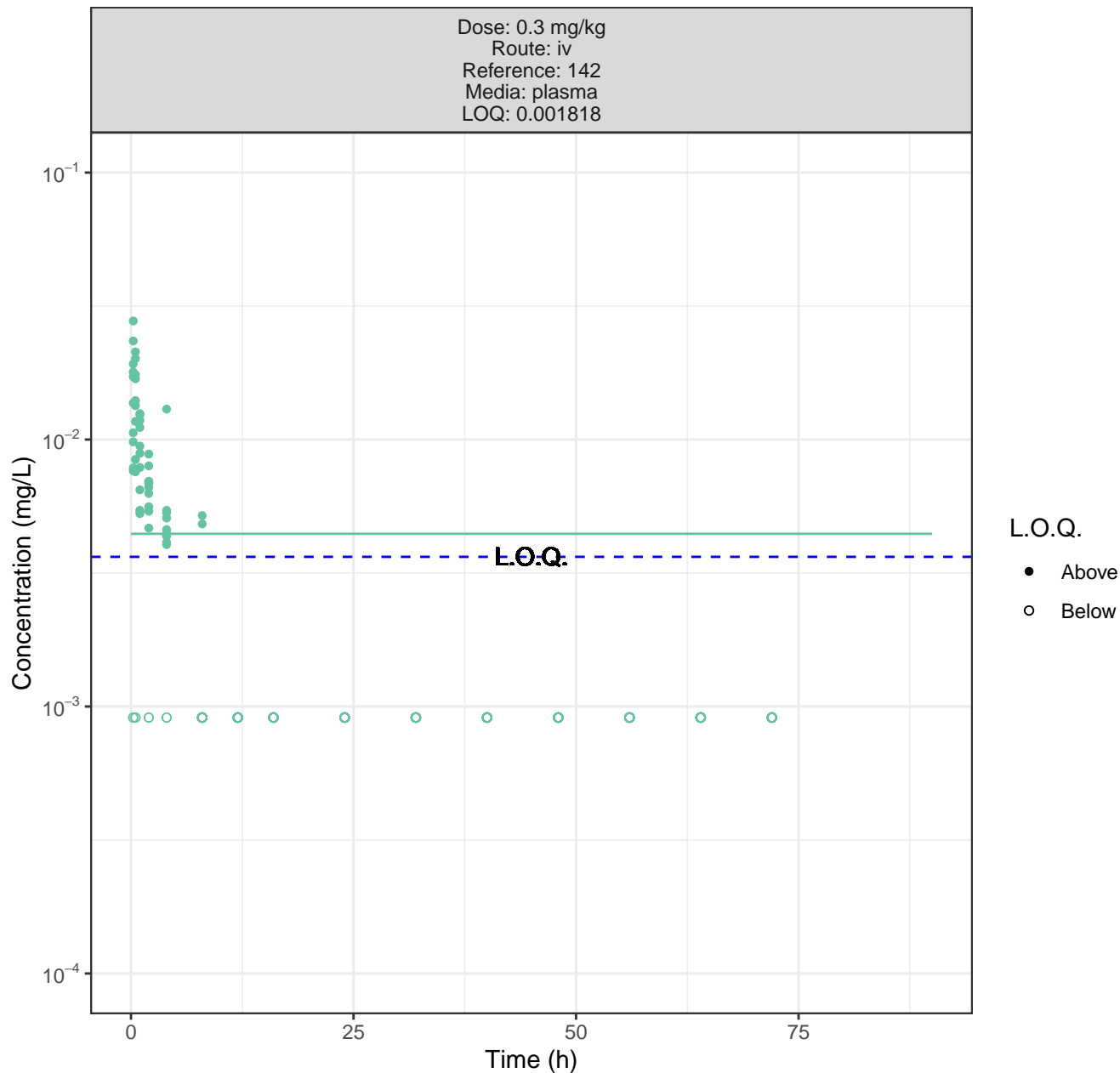
taltirelin (flat)



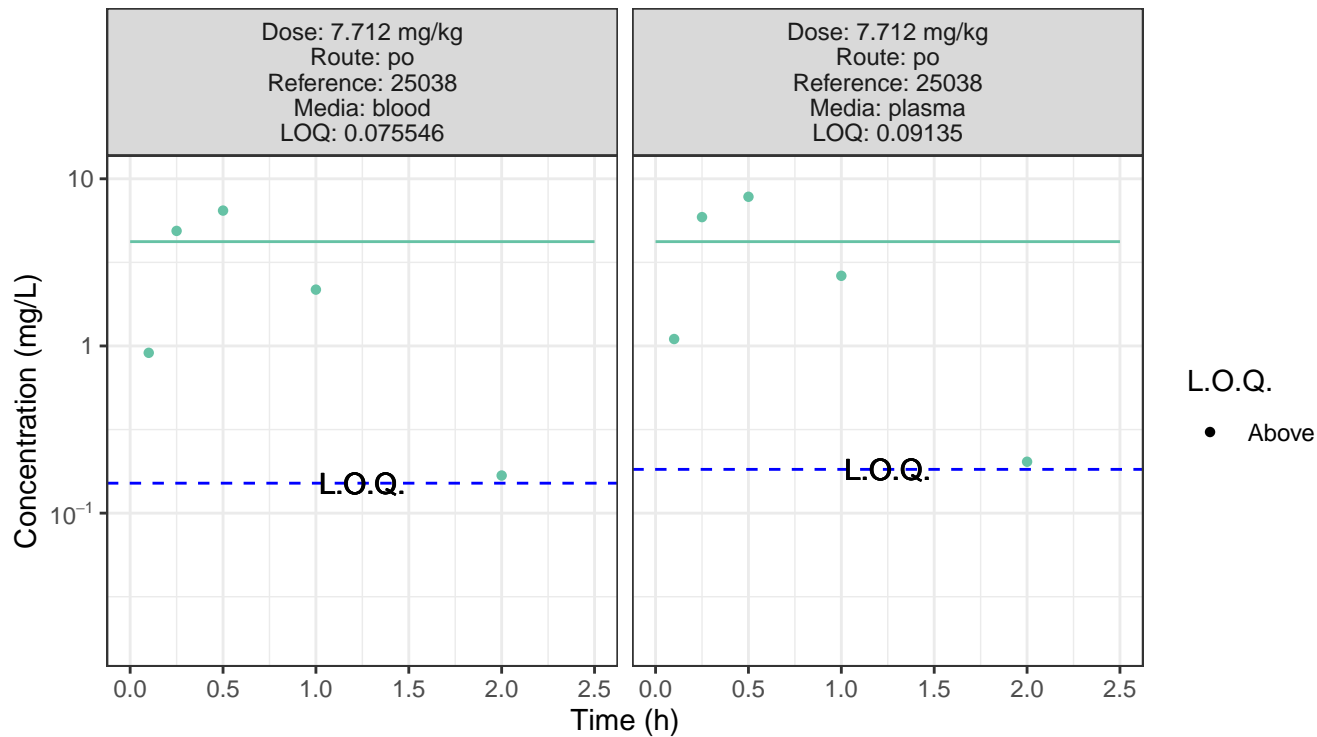
tamoxifen (flat): Optimizer Failed, No Curve Fit



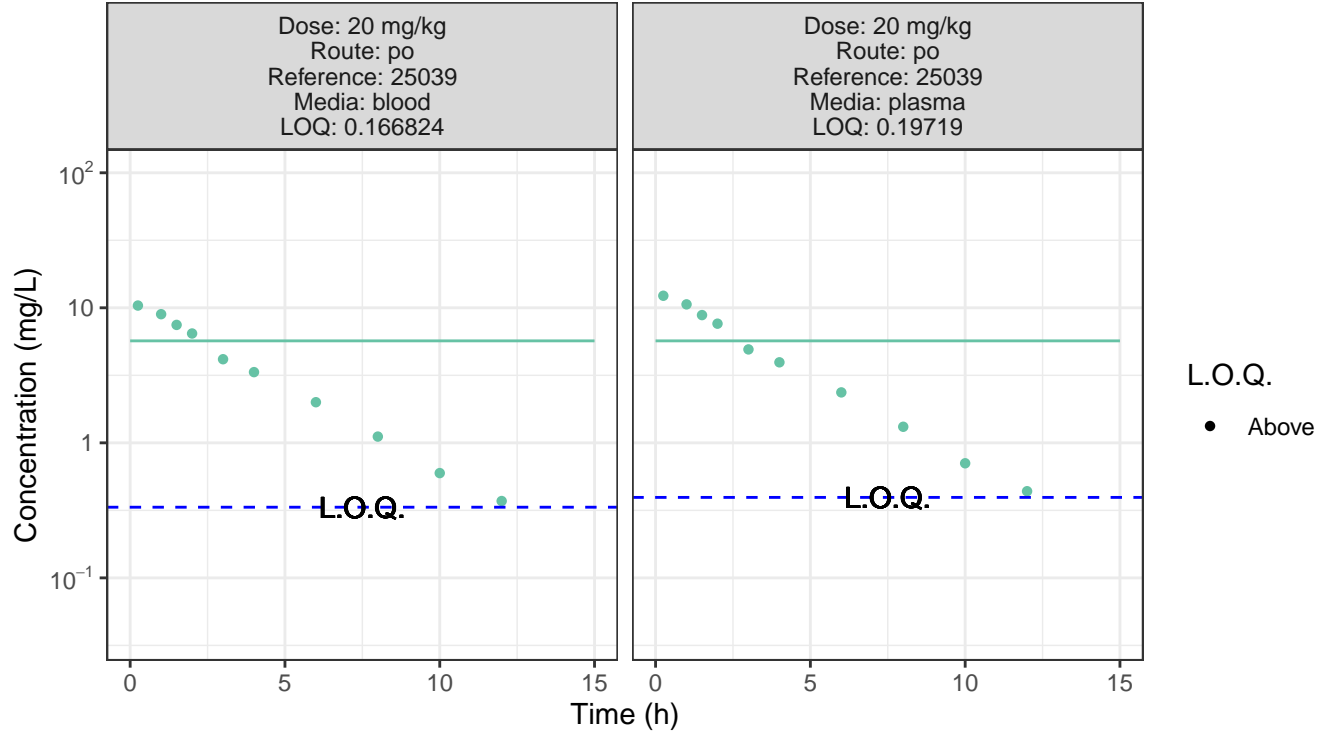
## tamoxifen, free base (flat)



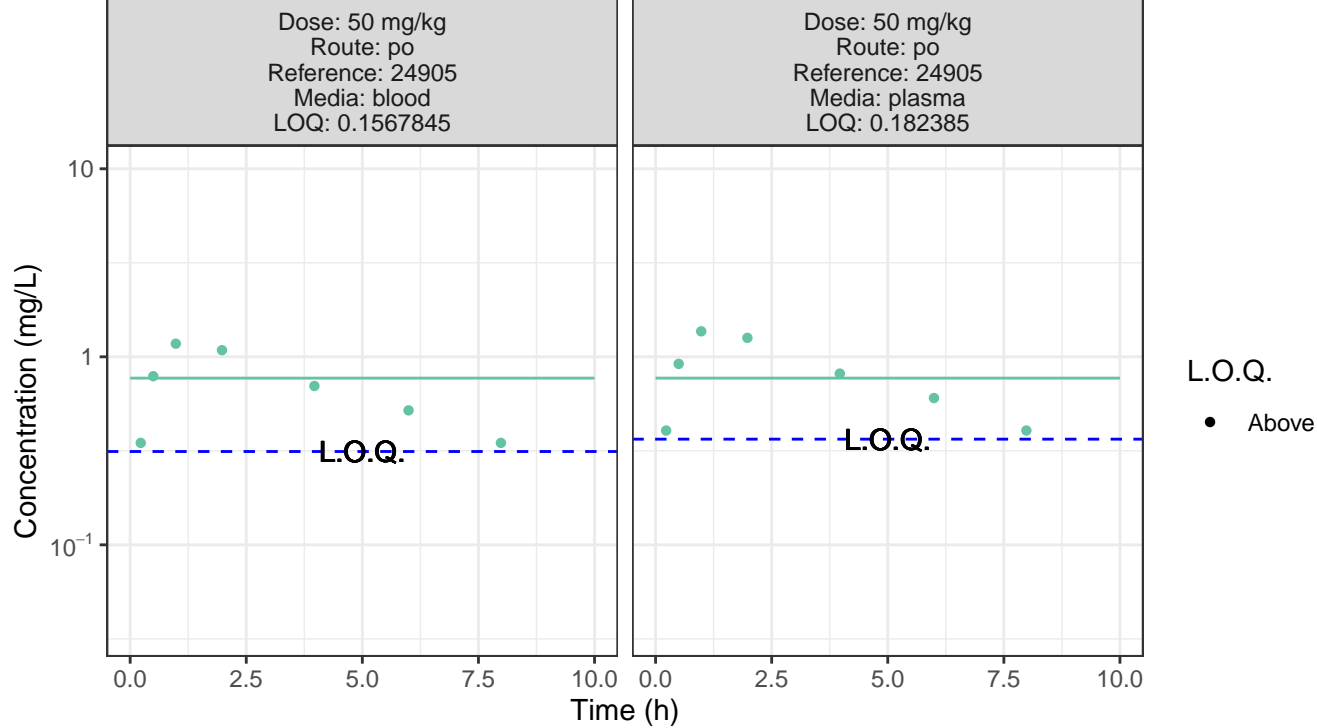
## tebipenem (flat)



tedizolid (flat)

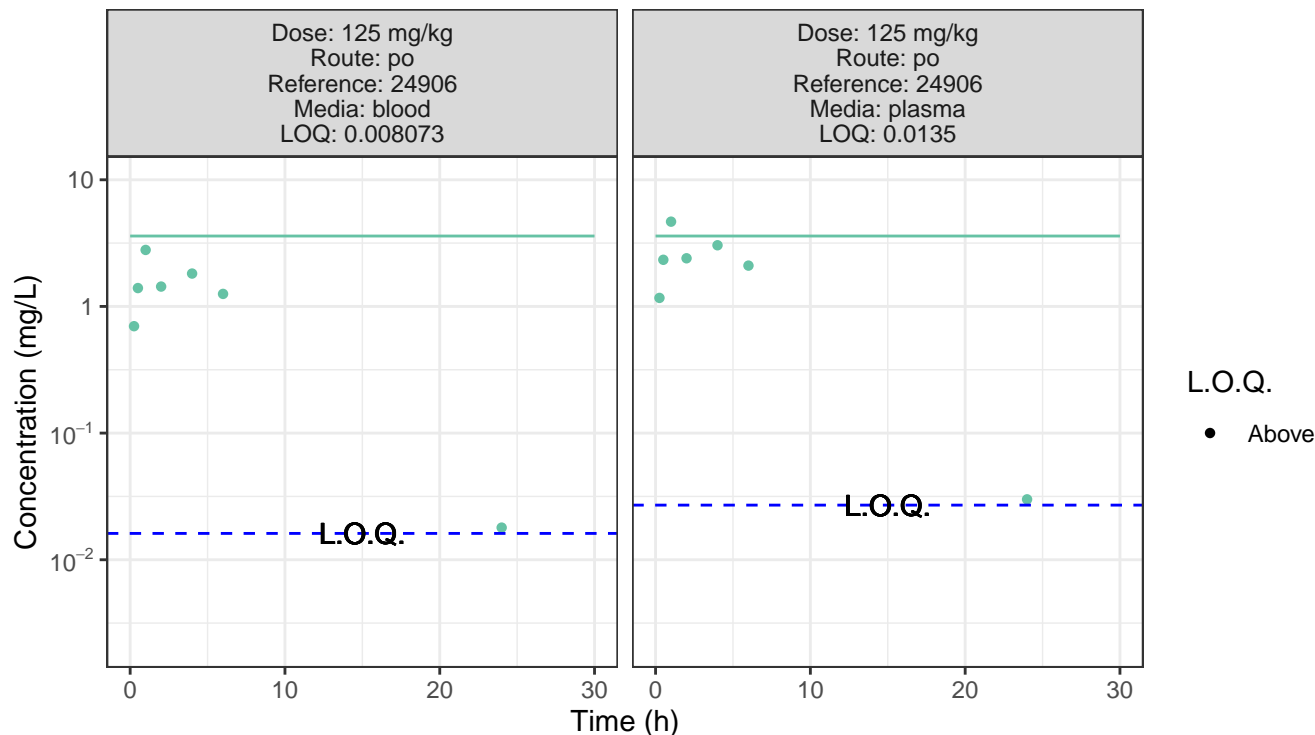


telithromycin (flat)

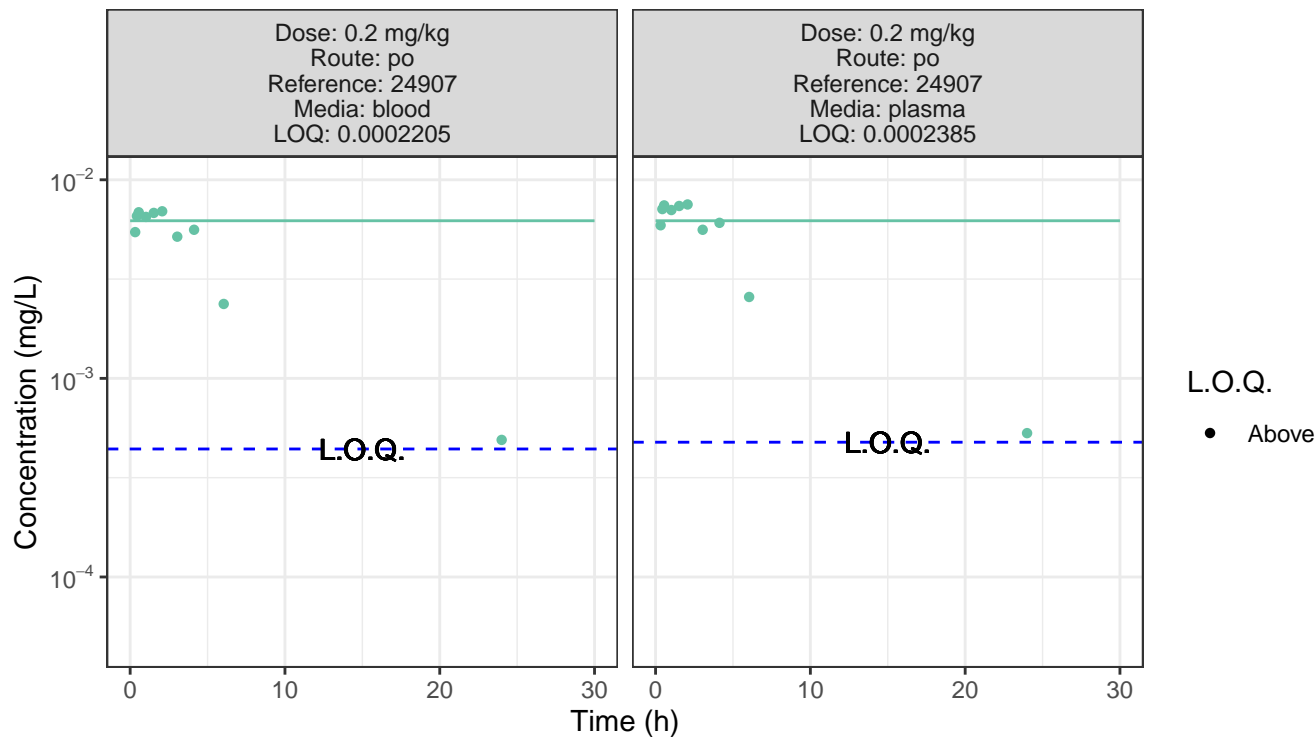




# teprenone (flat)



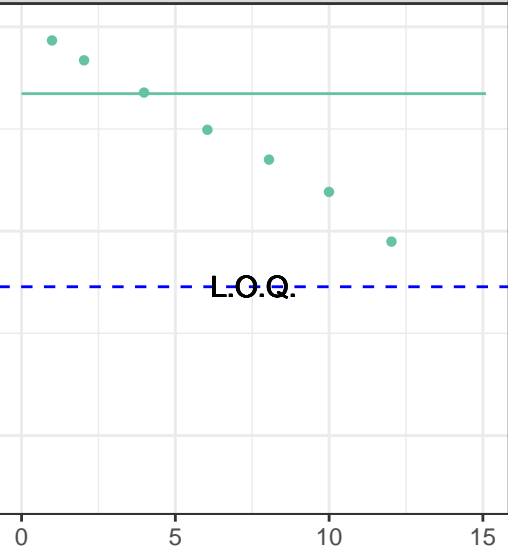
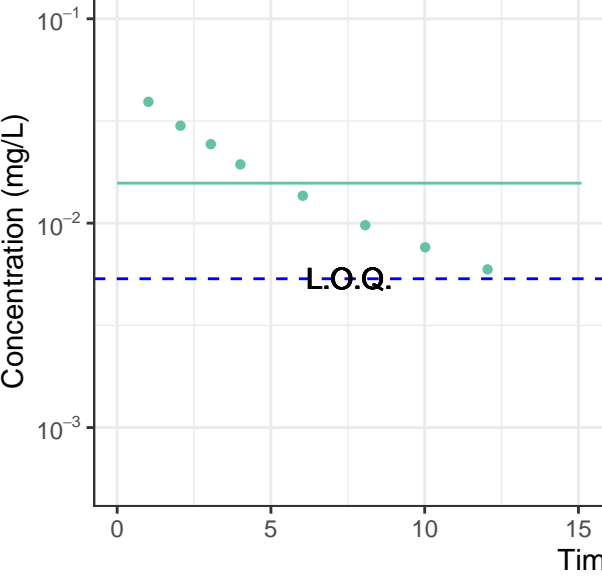
## terguride (flat)



tert-amyl alcohol (flat)

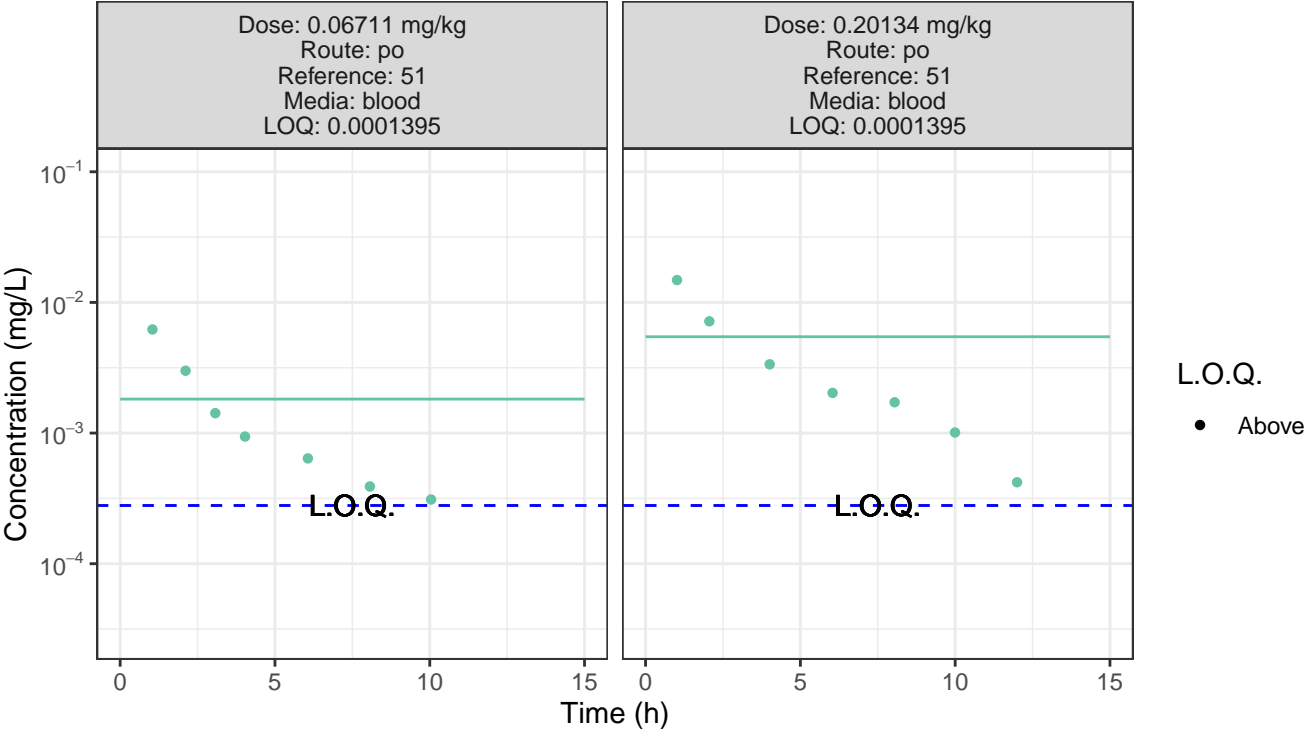
Dose: 0.06711 mg/kg  
Route: po  
Reference: 51  
Media: blood  
LOQ: 0.002673

Dose: 0.20134 mg/kg  
Route: po  
Reference: 51  
Media: blood  
LOQ: 0.002673



L.O.Q.  
• Above

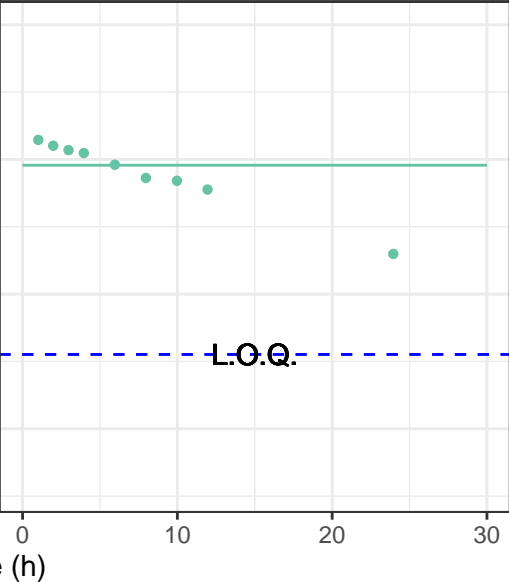
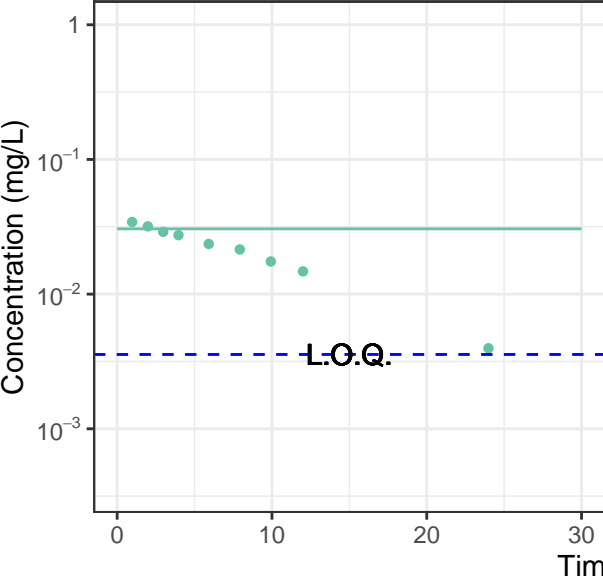
tert-amyl methyl ether (flat)



tert-butyl alcohol (flat)

Dose: 0.06711 mg/kg  
Route: po  
Reference: 51  
Media: blood  
LOQ: 0.001782

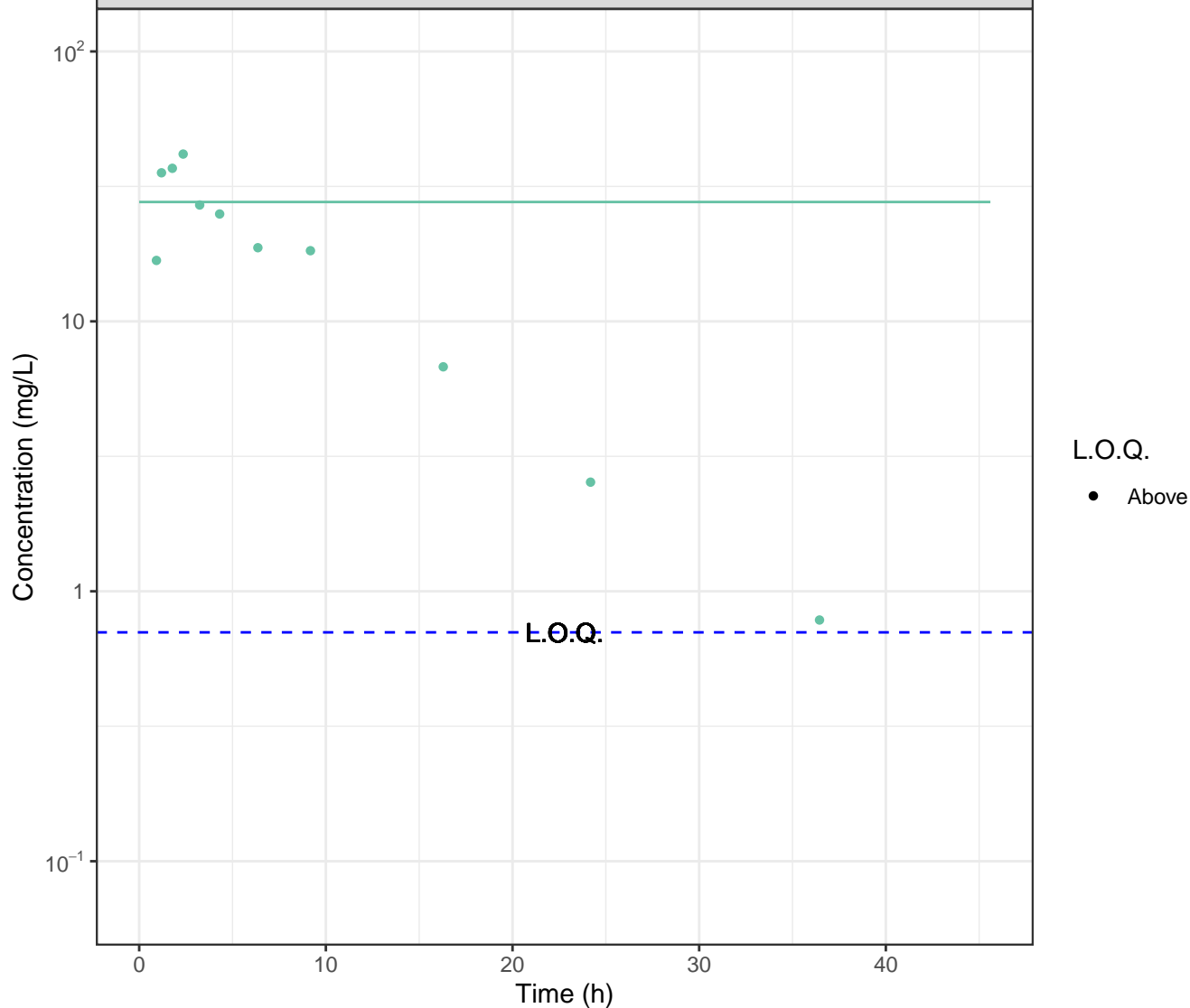
Dose: 0.19905 mg/kg  
Route: po  
Reference: 51  
Media: blood  
LOQ: 0.001782



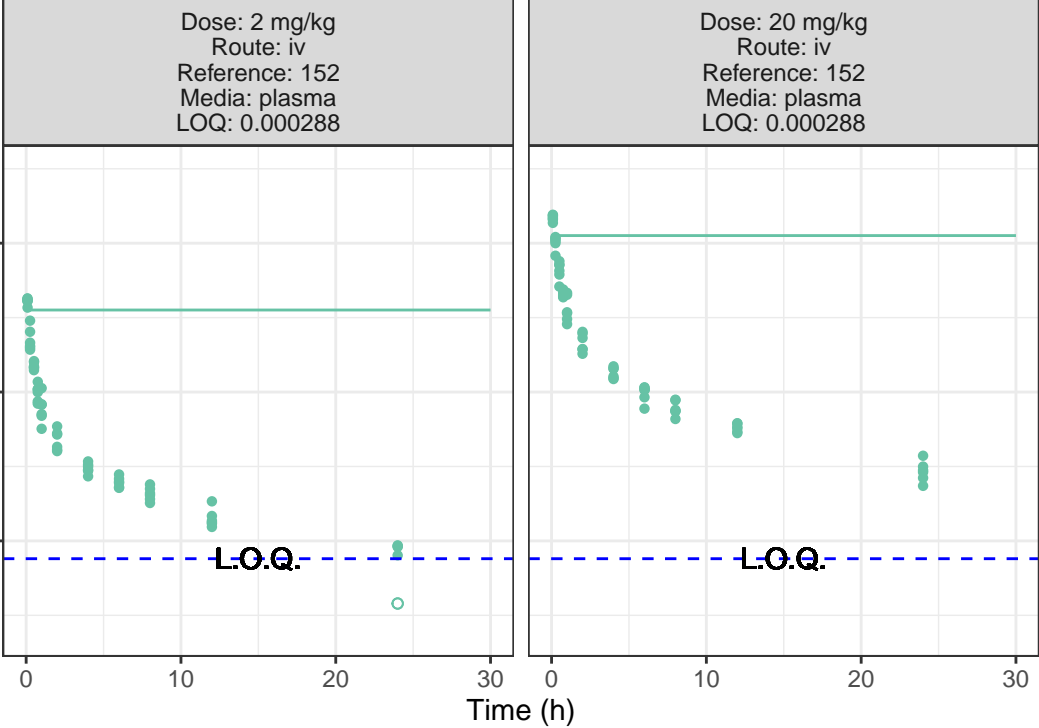
L.O.Q.  
• Above

# tetrachloroethylene (flat)

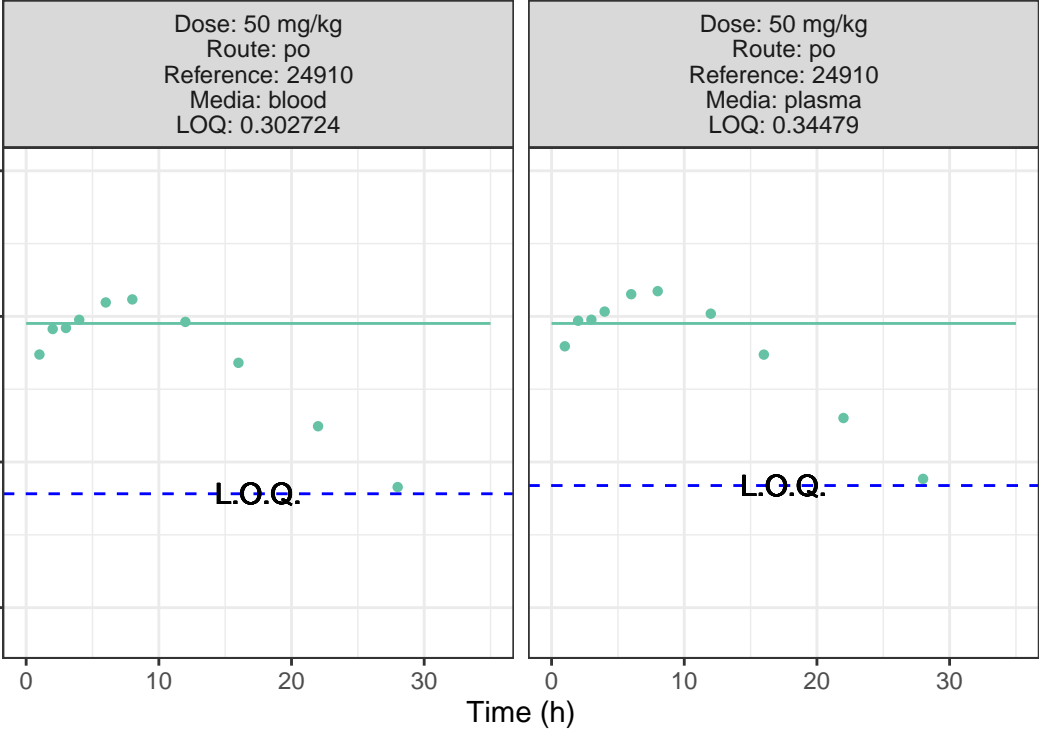
Dose: 500 mg/kg  
Route: po  
Reference: 4  
Media: blood  
LOQ: 0.3522285



tetralin (flat)

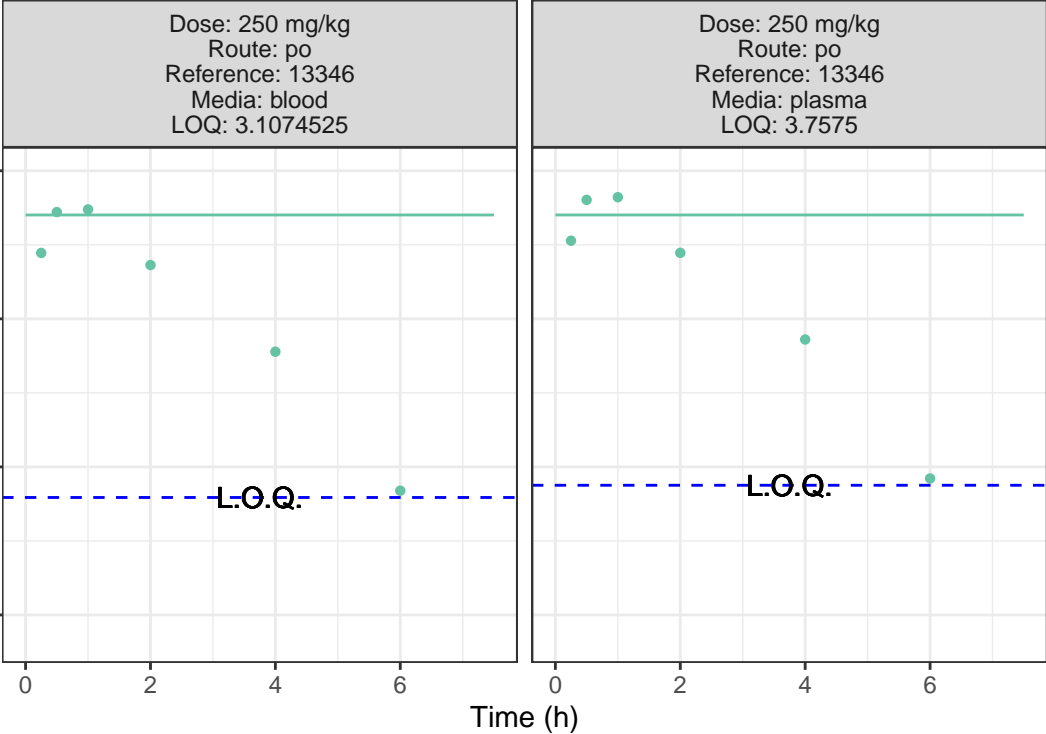


thalidomide (flat)

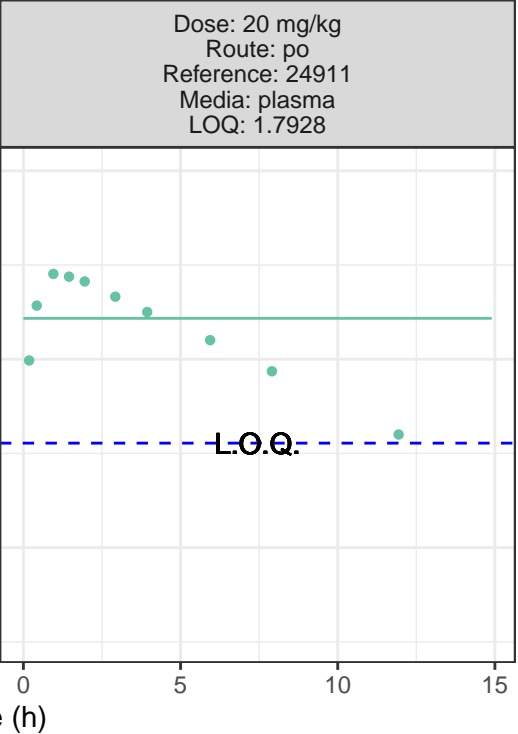
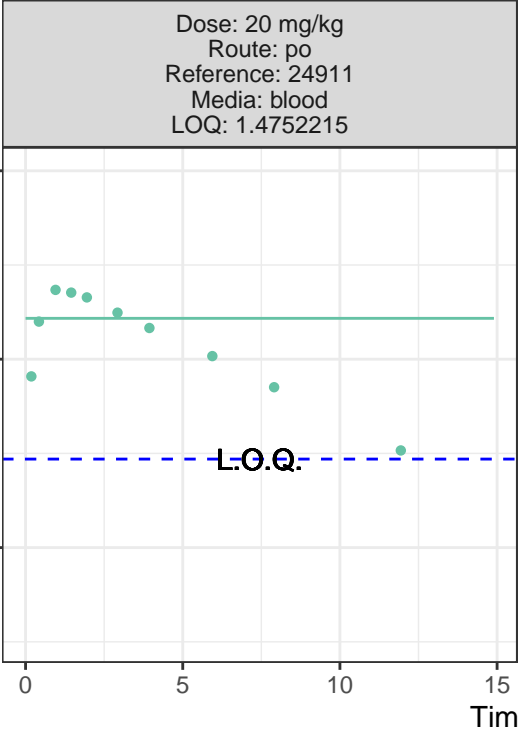




theanine (flat)

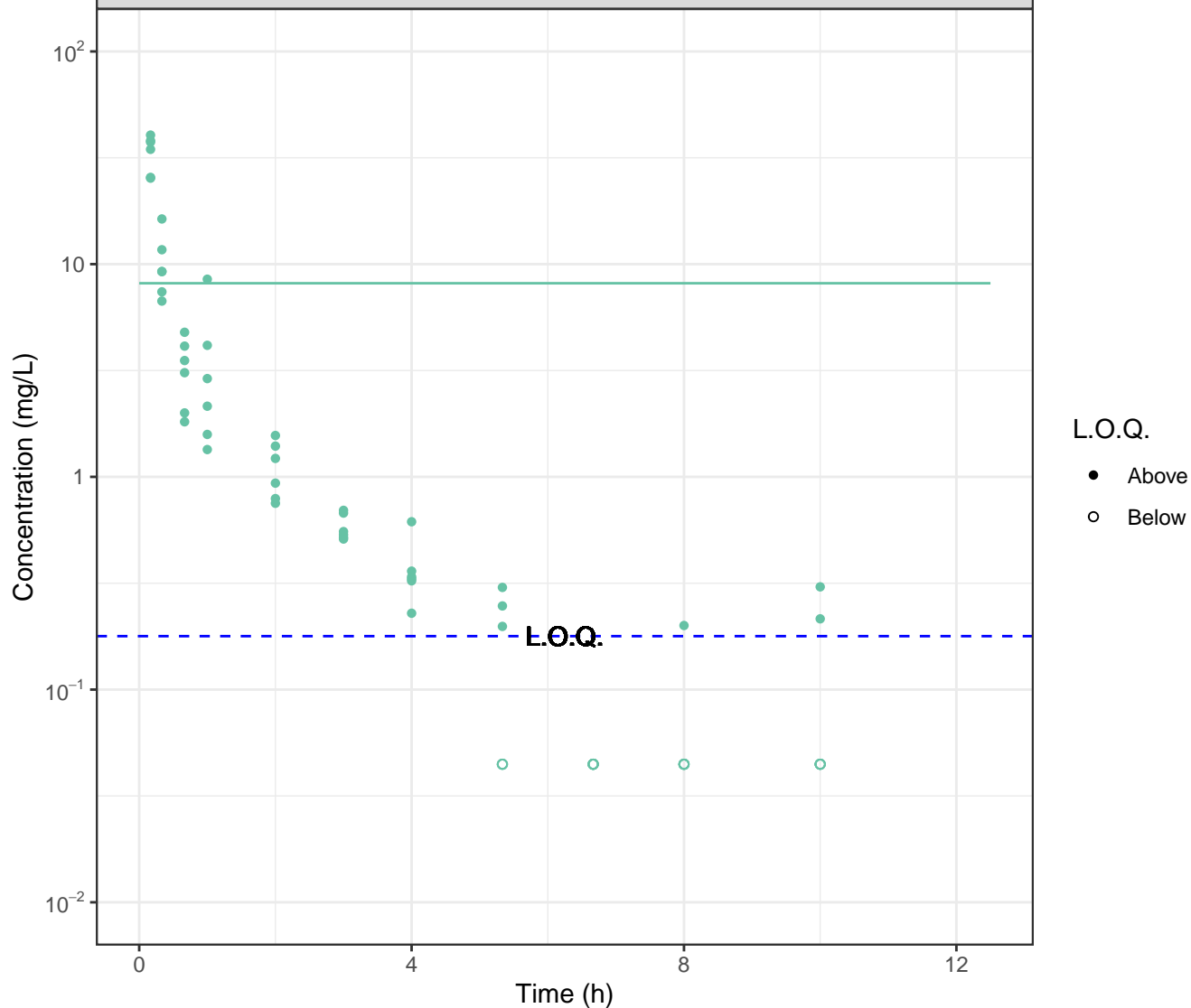


theophylline (flat)

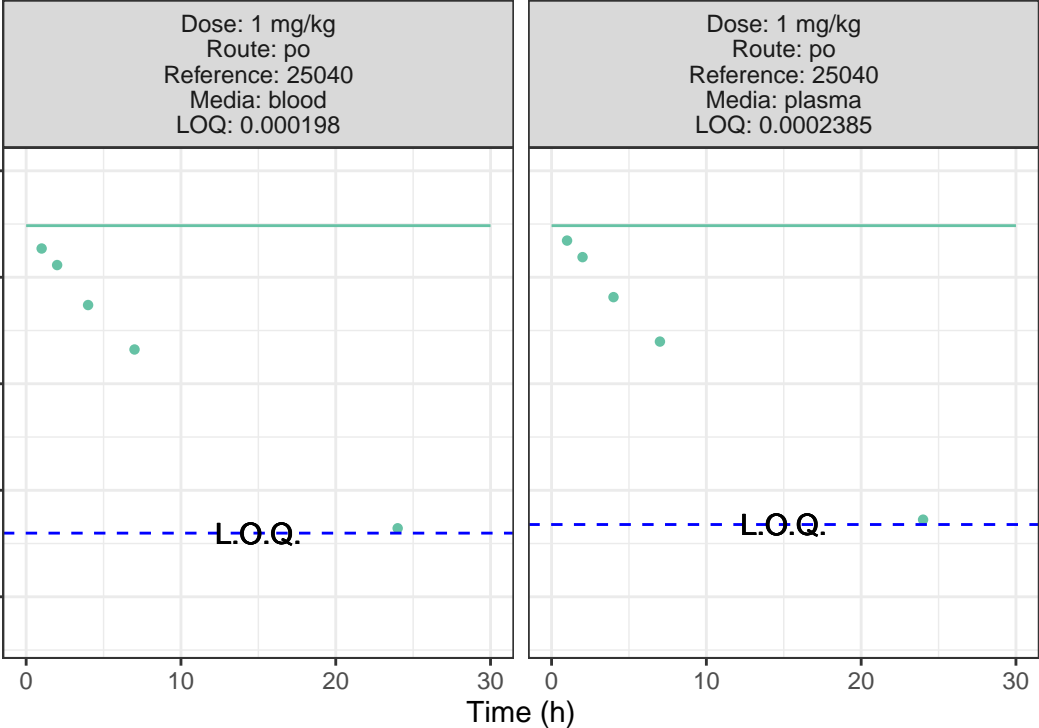


# thiodiglycolic acid (flat)

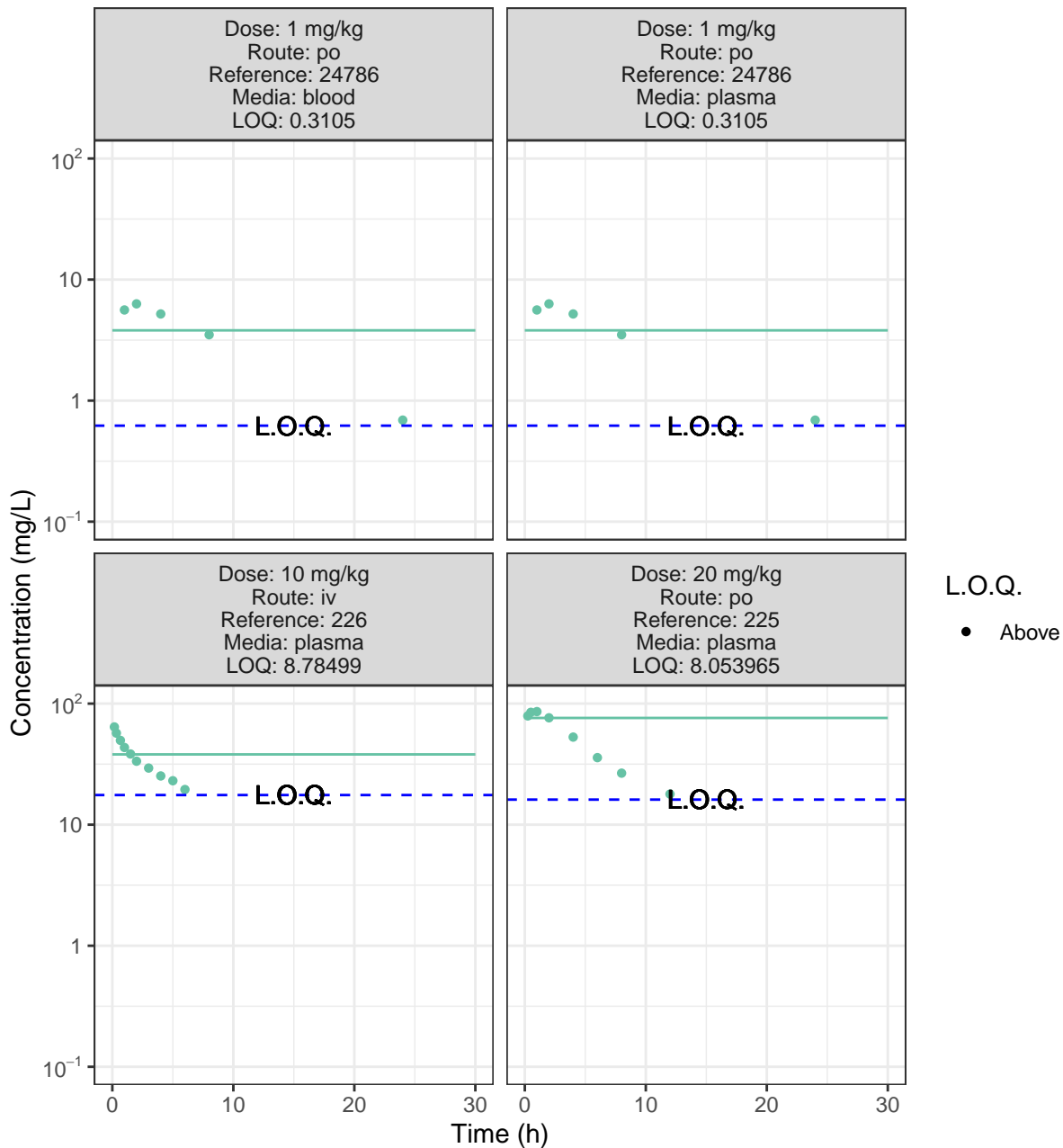
Dose: 20 mg/kg  
Route: iv  
Reference: 155  
Media: plasma  
LOQ: 0.089145



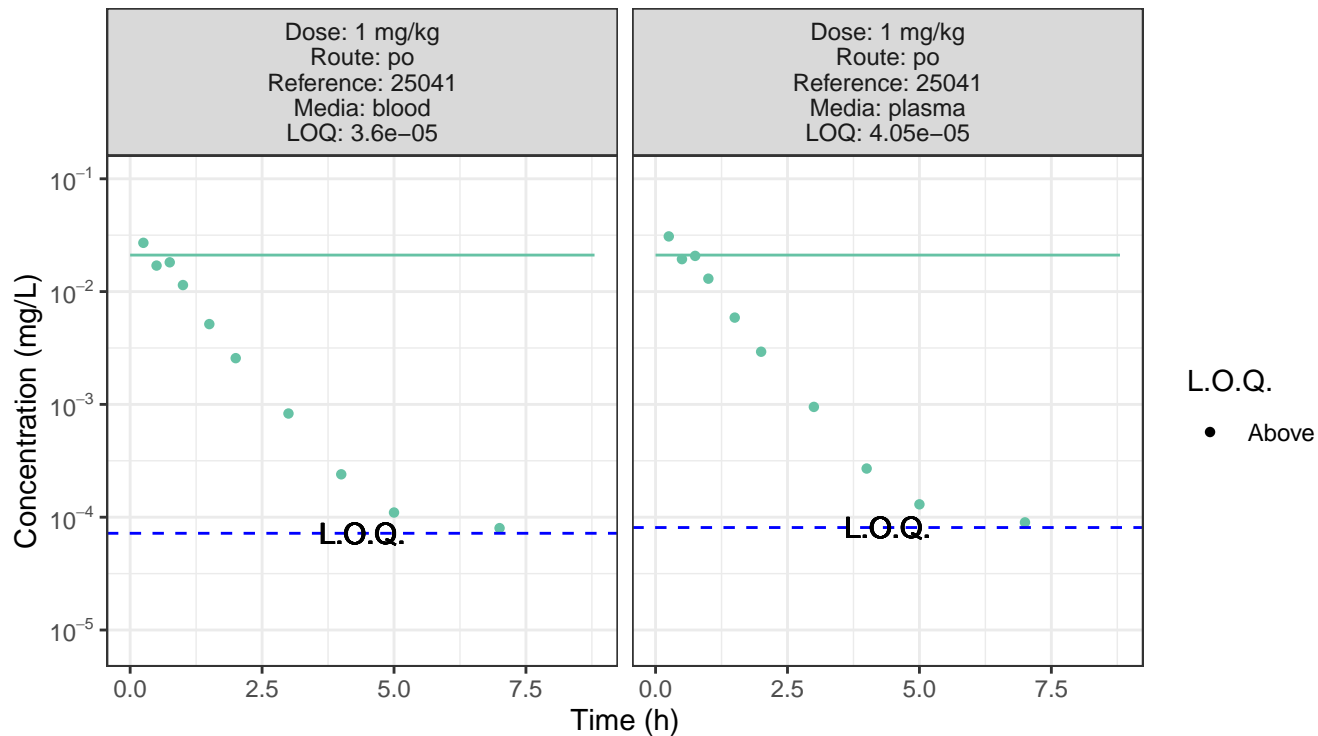
tofogliflozin (flat)



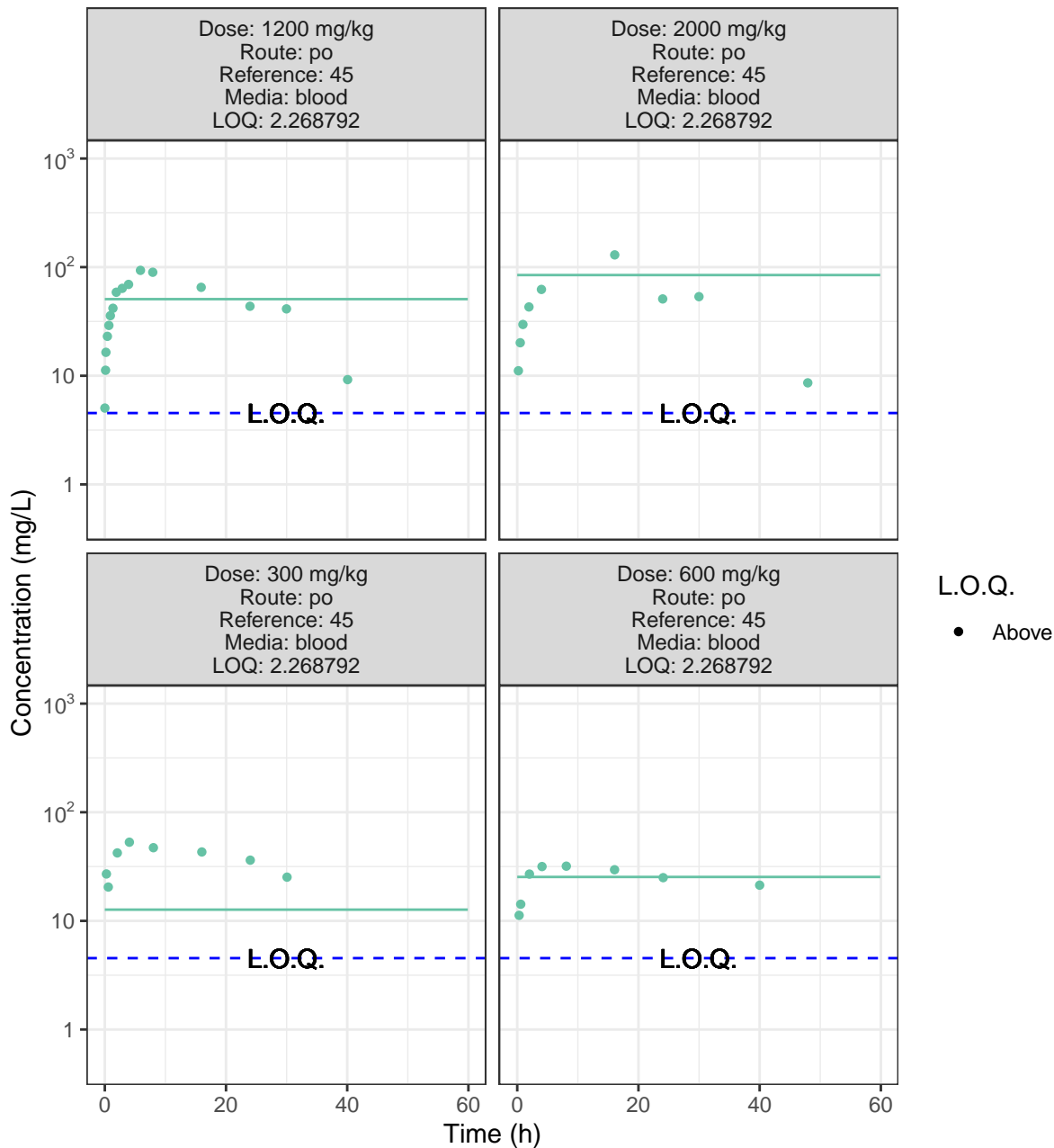
# tolbutamide (flat)



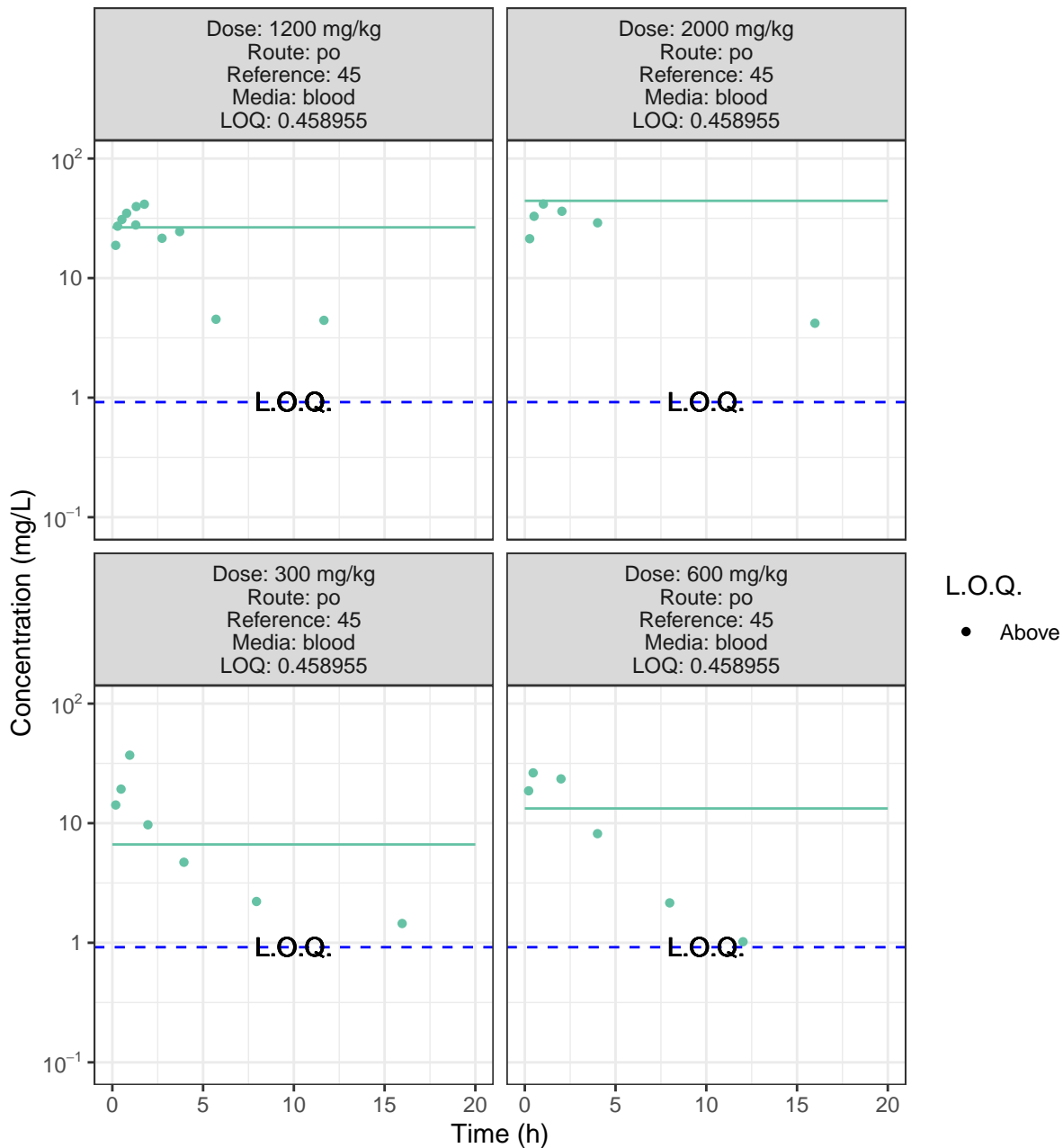
# triazolam (flat)



# trichloroacetic acid (flat)

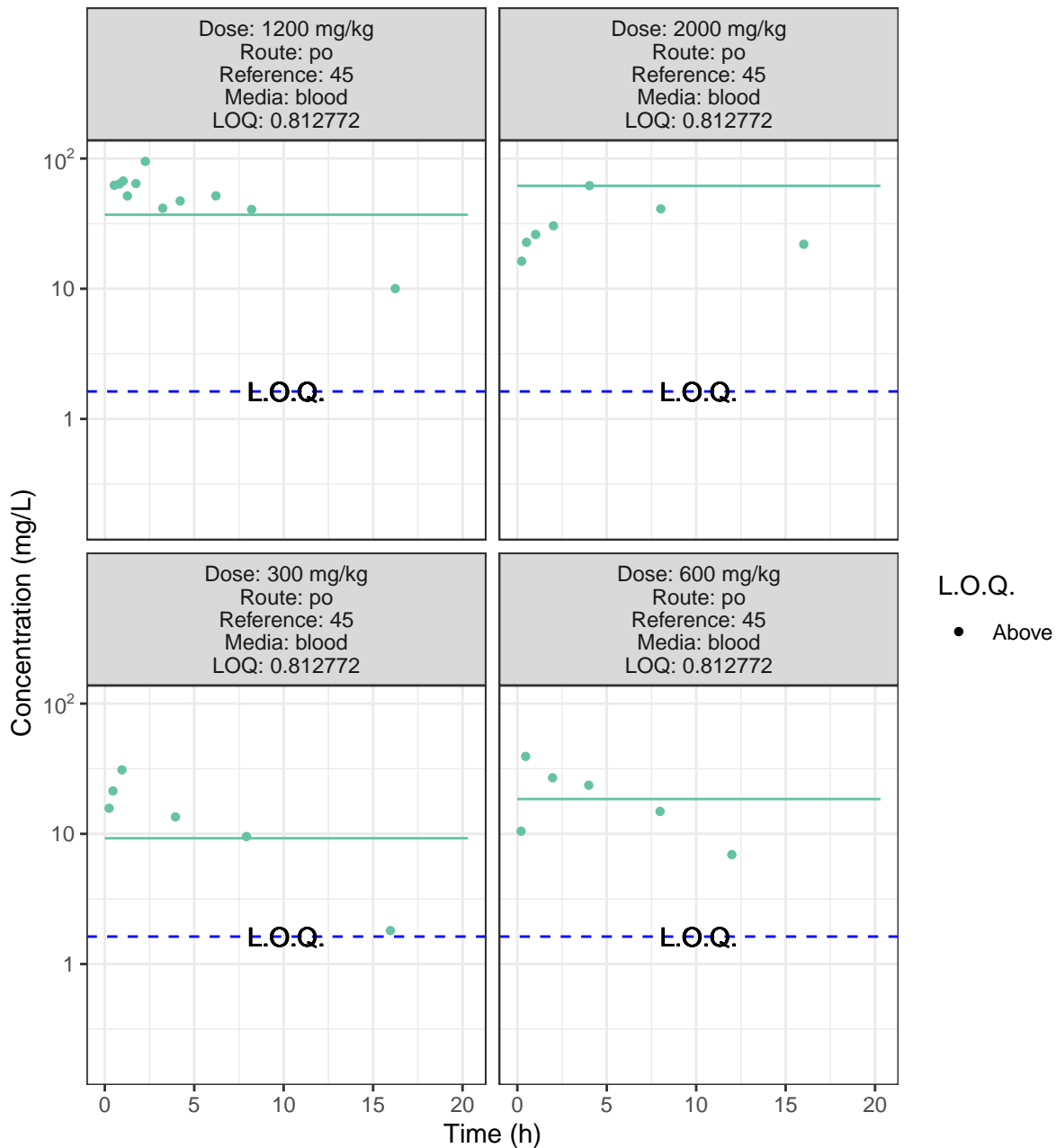


# trichloroethanol (flat)

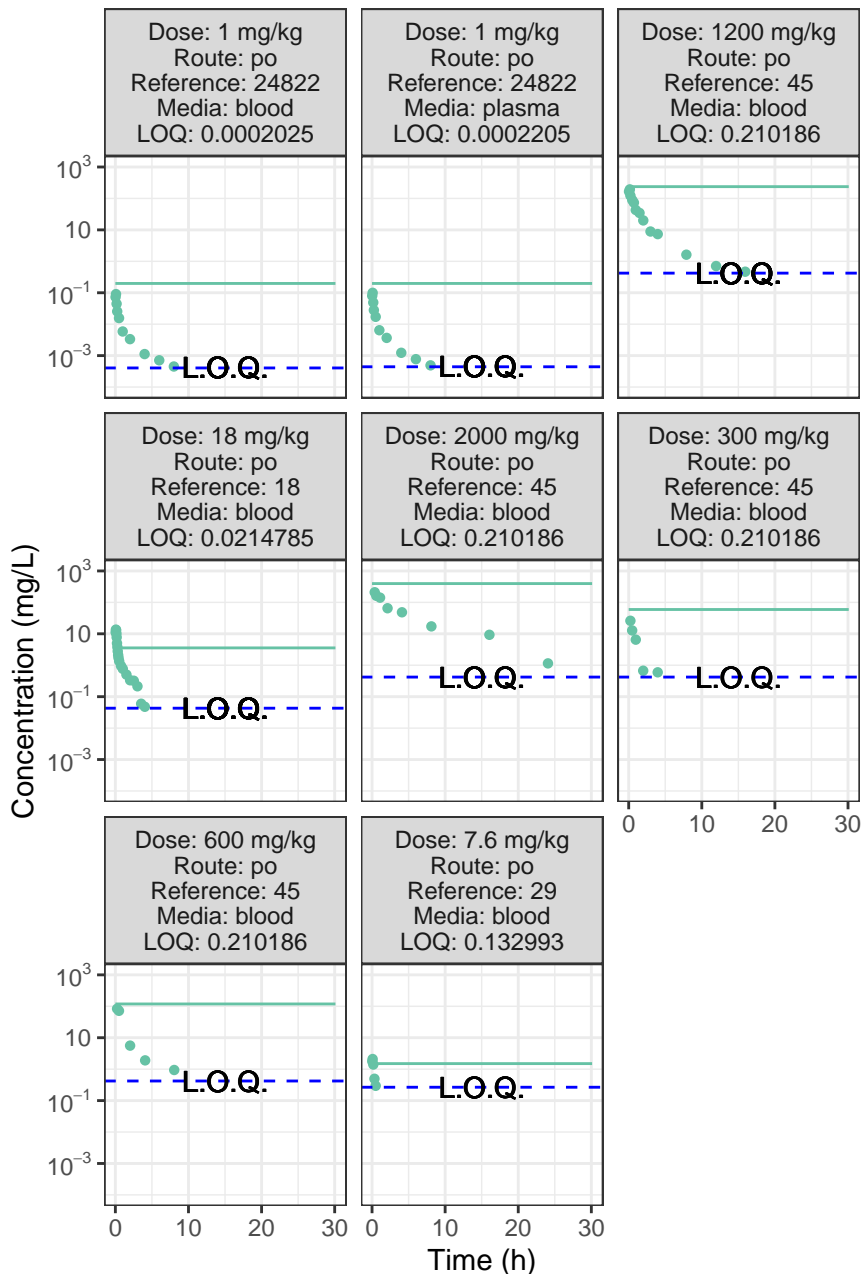




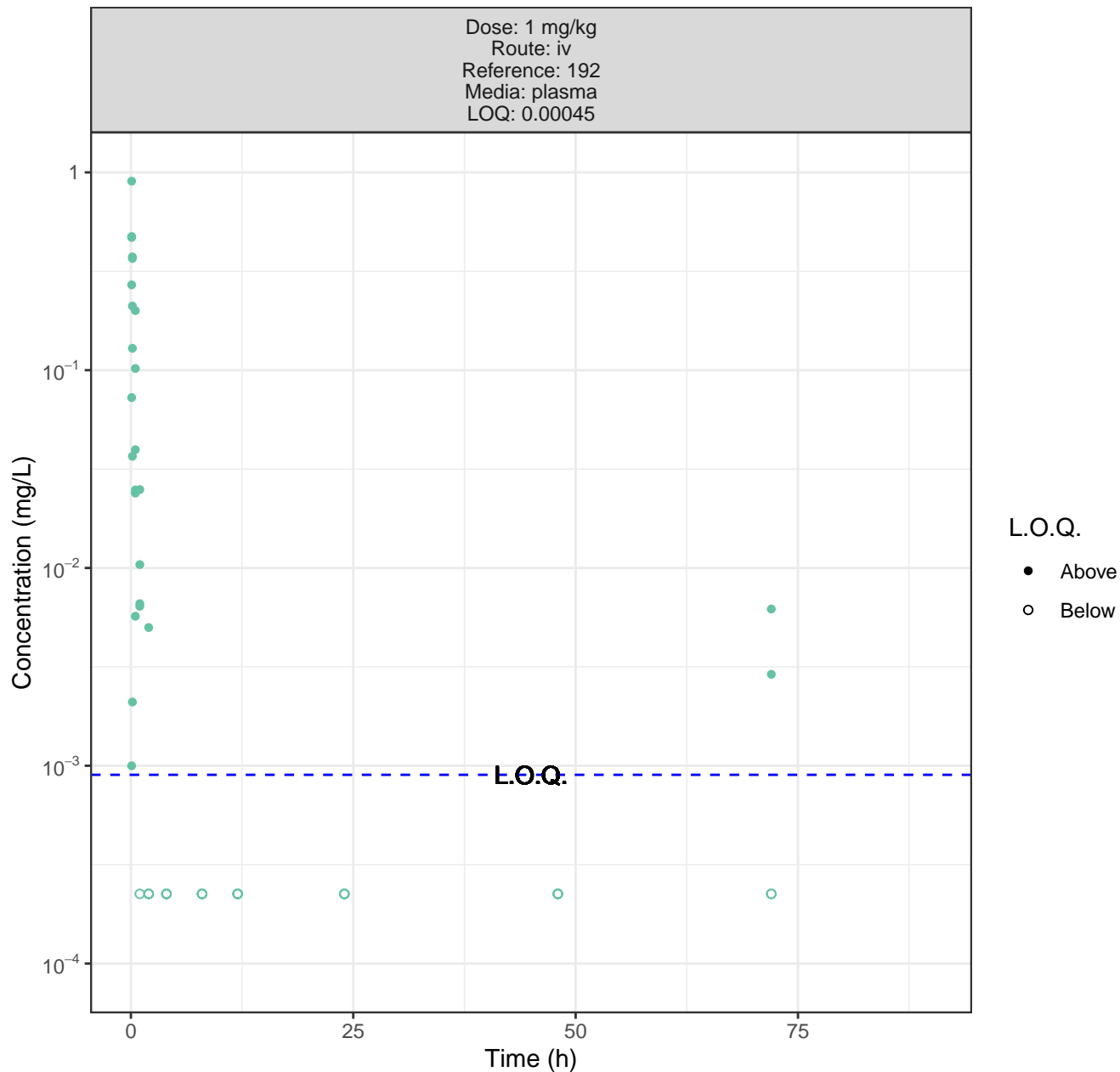
# trichloroethanol glucuronide (flat)



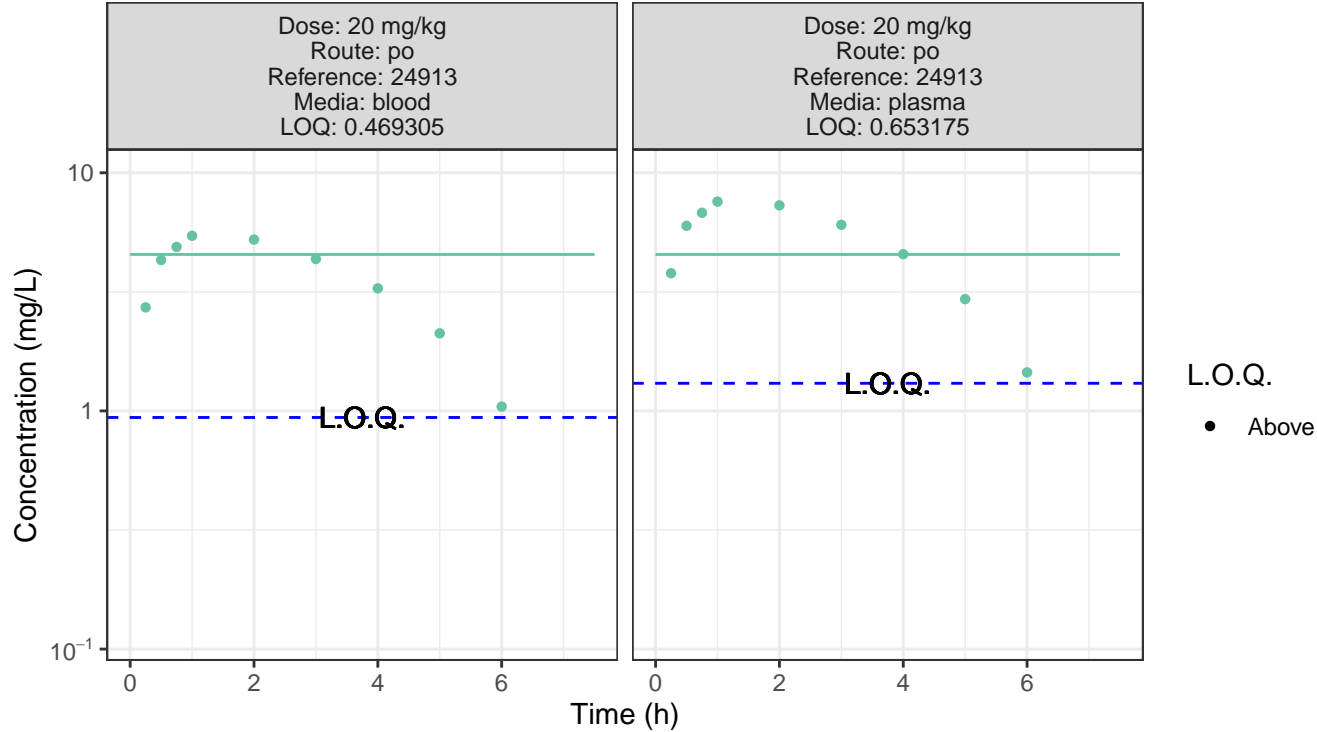
# trichloroethylene (flat)



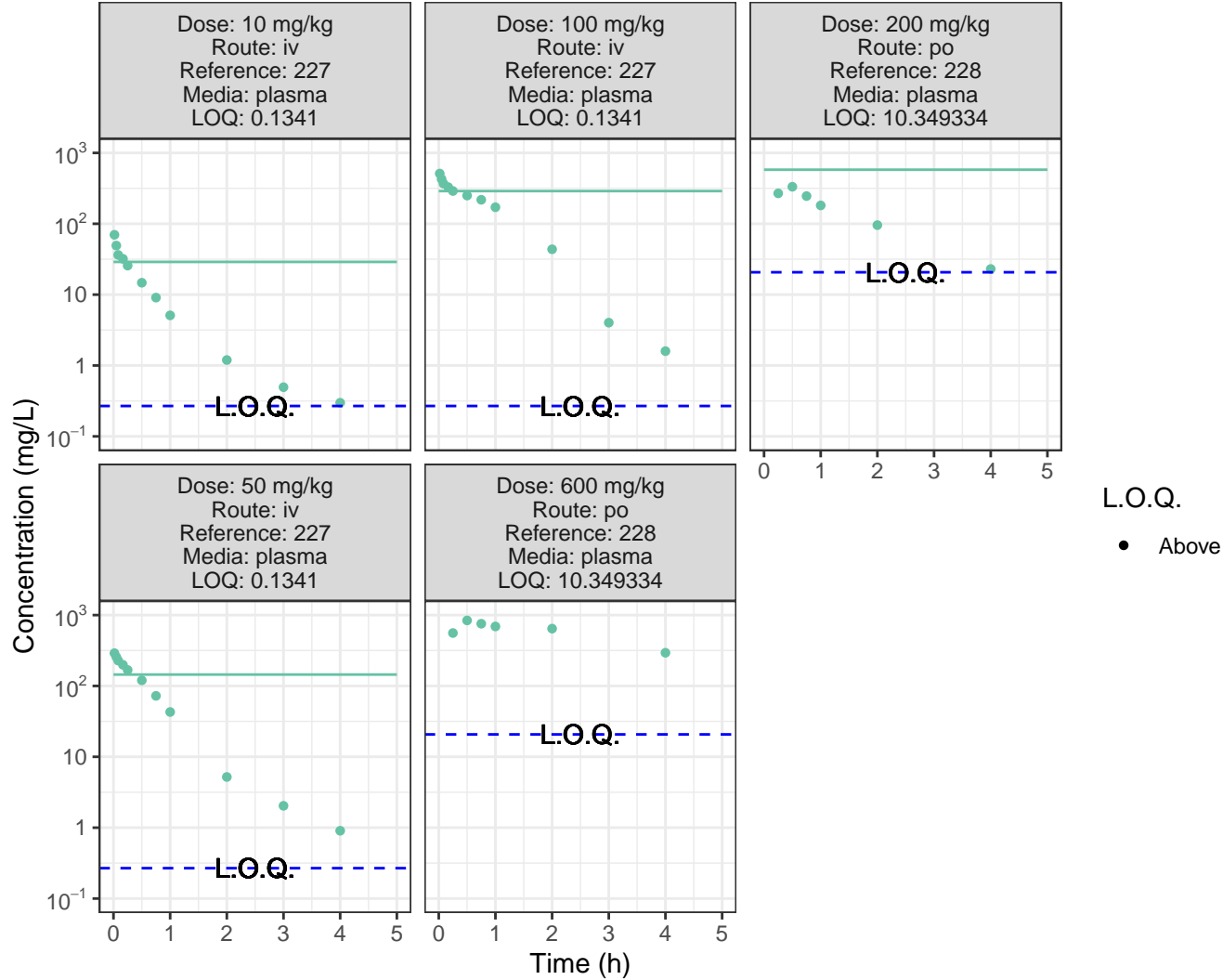
# triclosan (flat): Optimizer Failed, No Curve Fit



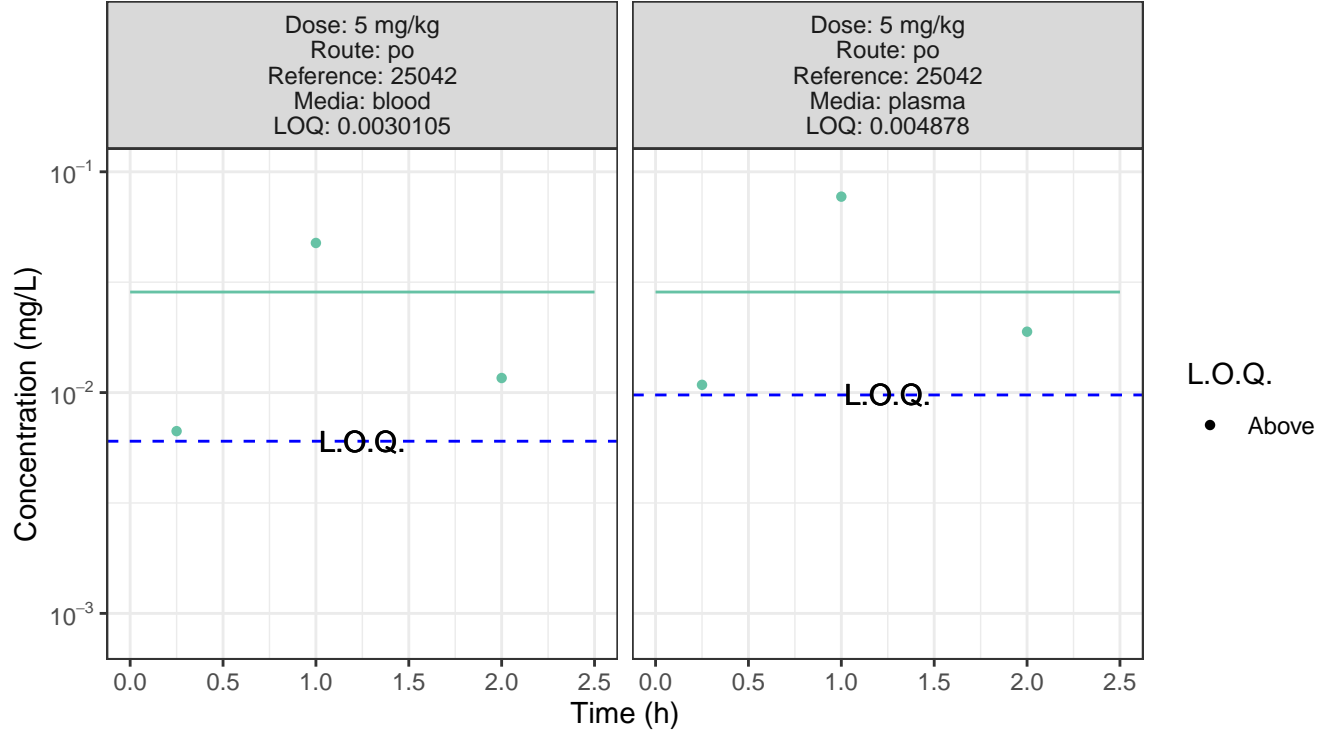
trimethylamine (flat)



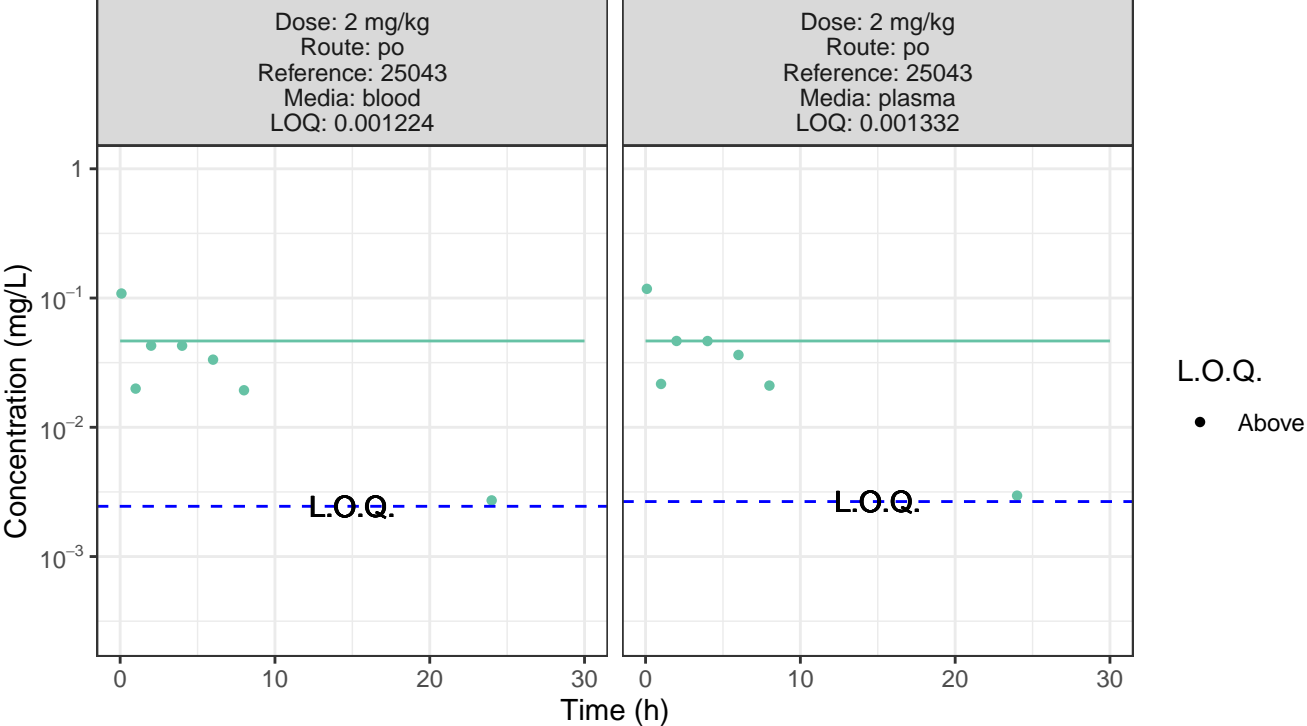
valproic acid (flat)



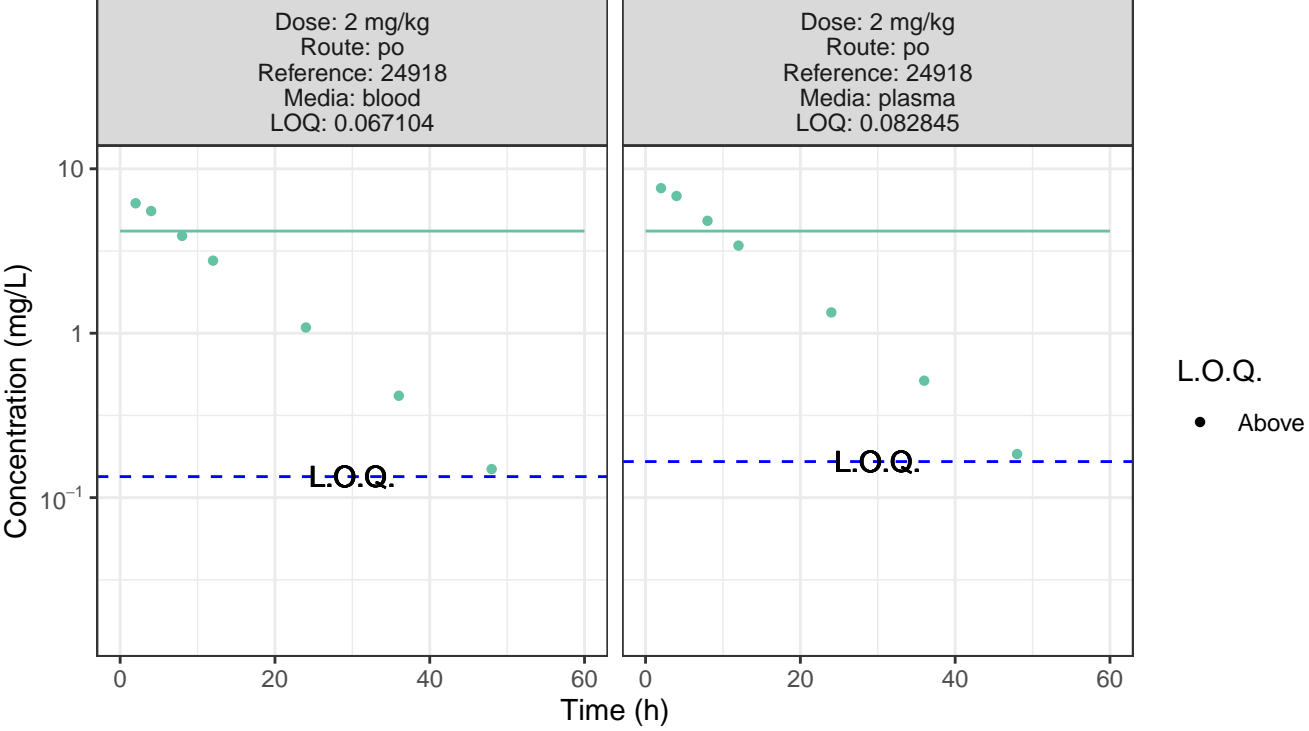
vaniprevir (flat)



vibegron (flat)

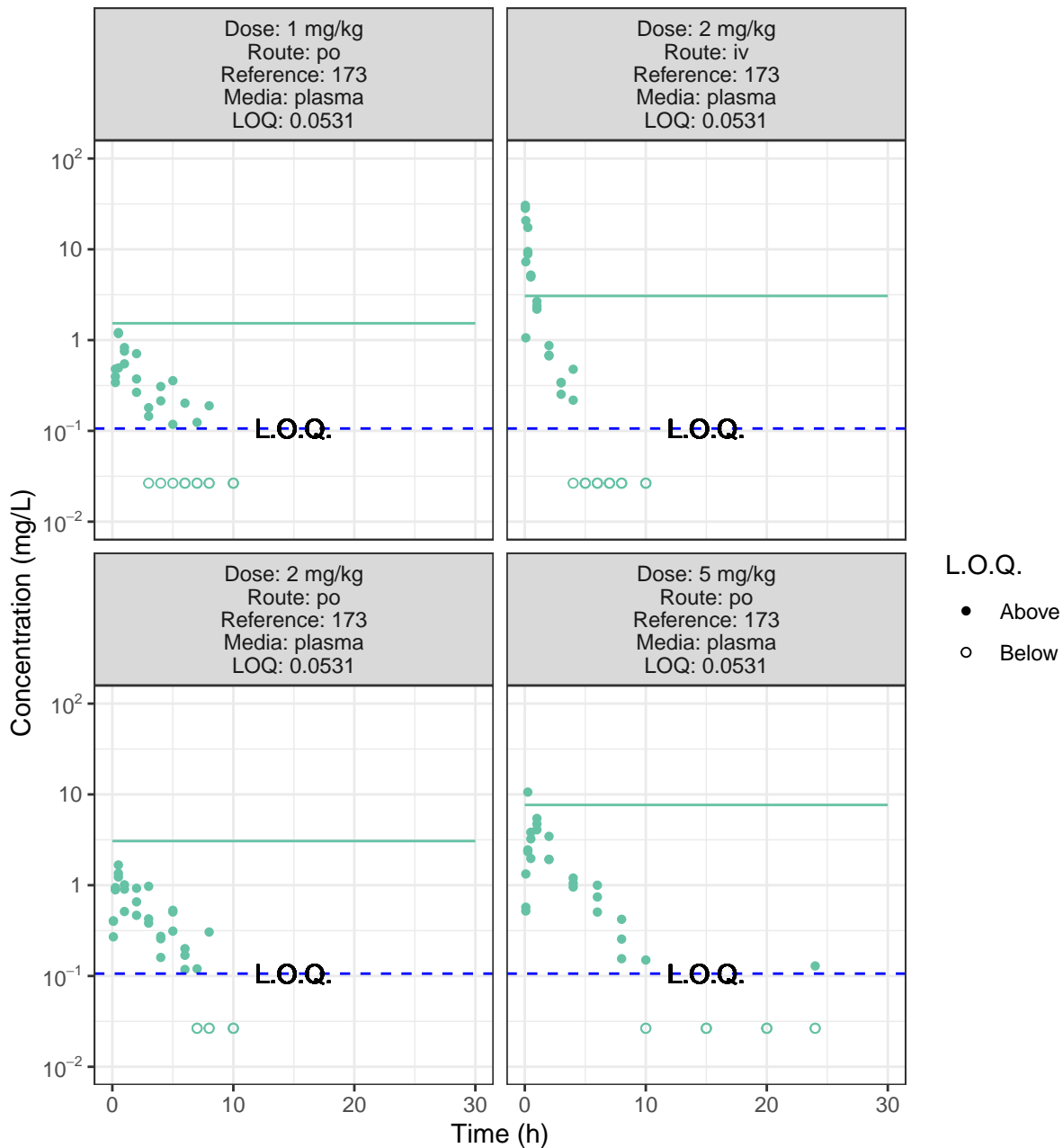


warfarin (flat)

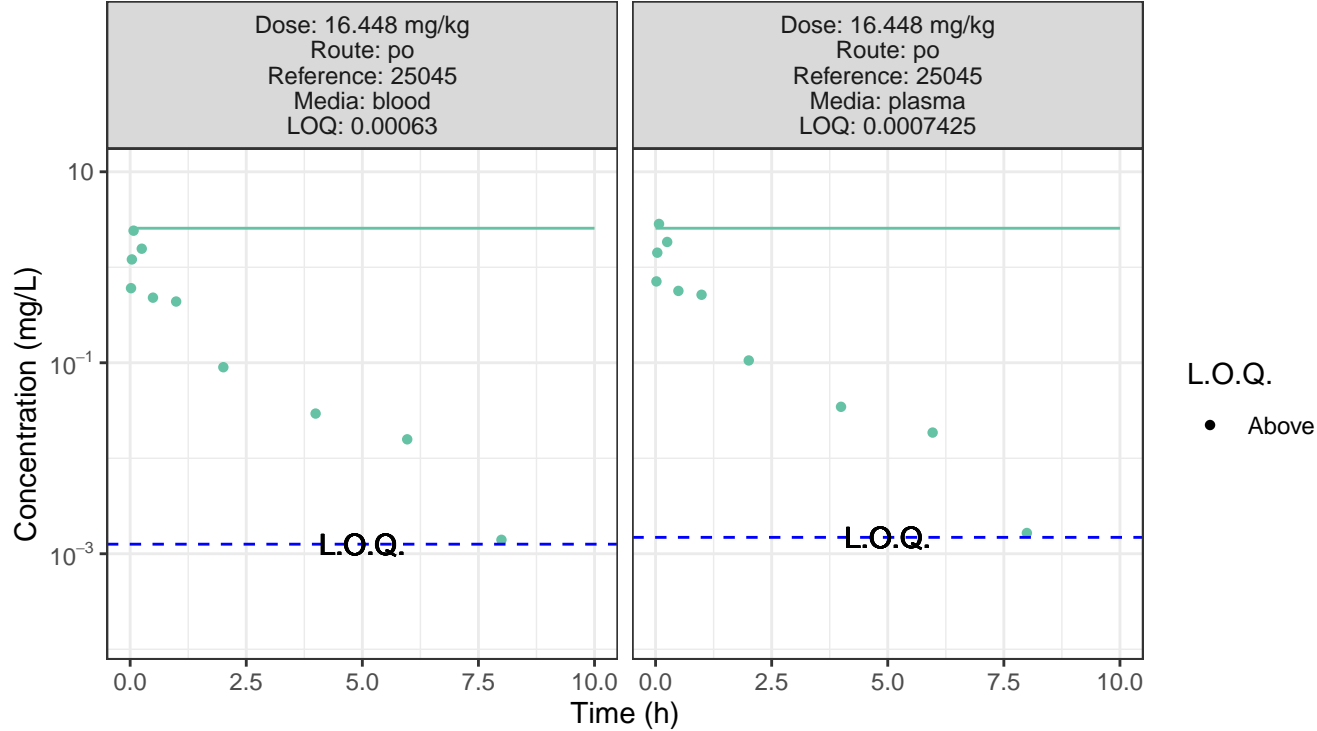




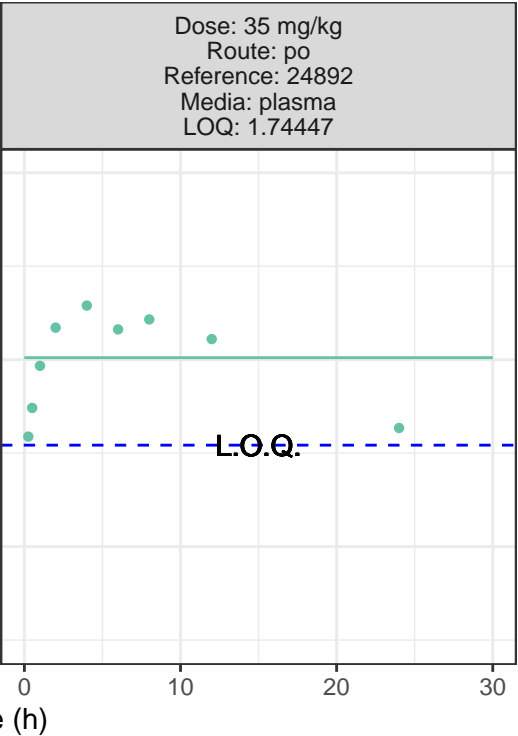
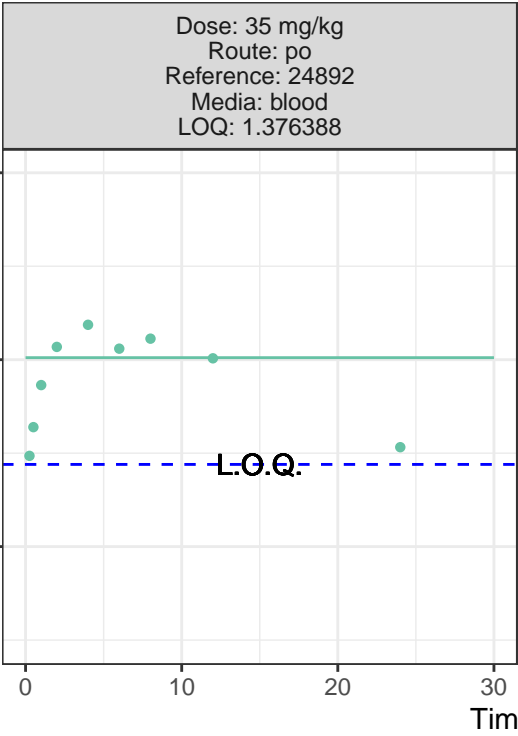
# wyeth-14643 (flat)



zolpidem (flat)



zonisamide (flat)



L.O.Q.

• Above