		log(peak intensity)	=	Expected reference abundance	+	Deviation from the reference due to: feature	+	condition or time	+	between-condition interference	+	biol. replicate	+	between-subject interference	+	run	+	between-run interference	+	Random meas. error
General case	**Group comparison:**	y_{ijkl}	=	μ_{1001}	+	F_i	+	C_j	+	$(F \times C)_{ij}$	+	$S(C)_k$	+			R_l	+	$(F \times R)_{il}$	+	ε_{ijkl}
	Time course:	y_{ijkl}	=	μ_{1001}	+	F_i	+	T_j	+	$(F \times T)_{ij}$	+	S_k	+	$(T \times S)_{jk}$	+	R_l	+	$(F \times R)_{il}$	+	ε_{ijkl}
	Paired design:	y_{ijkl}	=	μ_{1001}	+	F_i	+	C_j	+	$(F \times C)_{ij}$	+	S_k	+	$(C \times S)_{jk}$	+	R_l	+	$(F \times R)_{il}$	+	ε_{ijkl}
Single feature with technical replicates	**Group comparison:**	y_{1jkl}	=	μ_{1001}	+		+	C_j	+		+	$S(C)_k$	+			R_l	+		+	ε_{1jkl}
	Time course:	y_{1jkl}	=	μ_{1001}	+		+	T_j	+		+	S_k	+	$(T \times S)_{jk}$	+	R_l	+		+	ε_{1jkl}
	Paired design:	y_{1jkl}	=	μ_{1001}	+		+	C_j	+		+	S_k	+	$(C \times S)_{jk}$	+	R_l	+		+	ε_{1jkl}
Single feature, no technical replicates	**Group comparison:**	y_{1jkl}	=	μ_{1001}	+		+	C_j	+		+		+			R_l	+		+	ε_{1jkl}
	Time course:	y_{1jkl}	=	μ_{1001}	+		+	T_j	+		+	S_k	+			R_l	+		+	ε_{1jkl}
	Paired design:	y_{1jkl}	=	μ_{1001}	+		+	C_j	+		+	S_k	+			R_l	+		+	ε_{1jkl}
Single subject with technical replicates	**Group comparison:**	y_{ij1l}	=	μ_{1001}	+	F_i	+	C_j	+	$(F \times C)_{ij}$	+					R_l	+	$(F \times R)_{il}$	+	ε_{ij1l}
	Time course:	y_{ij1l}	=	μ_{1001}	+	F_i	+	T_j	+	$(F \times T)_{ij}$	+					R_l	+	$(F \times R)_{il}$	+	ε_{ij1l}
	Paired design:	y_{ij1l}	=	μ_{1001}	+	F_i	+	C_j	+	$(F \times C)_{ij}$	+					R_l	+	$(F \times R)_{il}$	+	ε_{ij1l}
Single subject, no technical replicates	**Group comparison:**	y_{ij1l}	=	μ_{1001}	+	F_i	+	C_j	+							R_l	+		+	ε_{ij1l}
	Time course:	y_{ij1l}	=	μ_{1001}	+	F_i	+	T_j	+							R_l	+		+	ε_{ij1l}
	Paired design:	y_{ij1l}	=	μ_{1001}	+	F_i	+	C_j	+							R_l	+		+	ε_{ij1l}