# PeakMaster 6

Capillary zone electrophoresis and affinity capillary electrophoresis simulator

#### **Step-by-step User Guide**



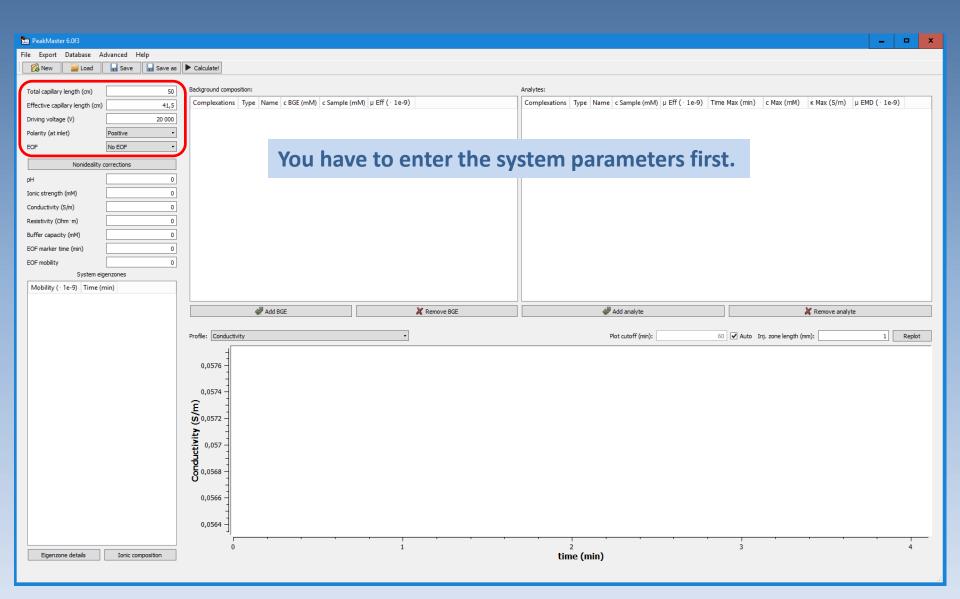
FACULTY OF SCIENCE Charles University

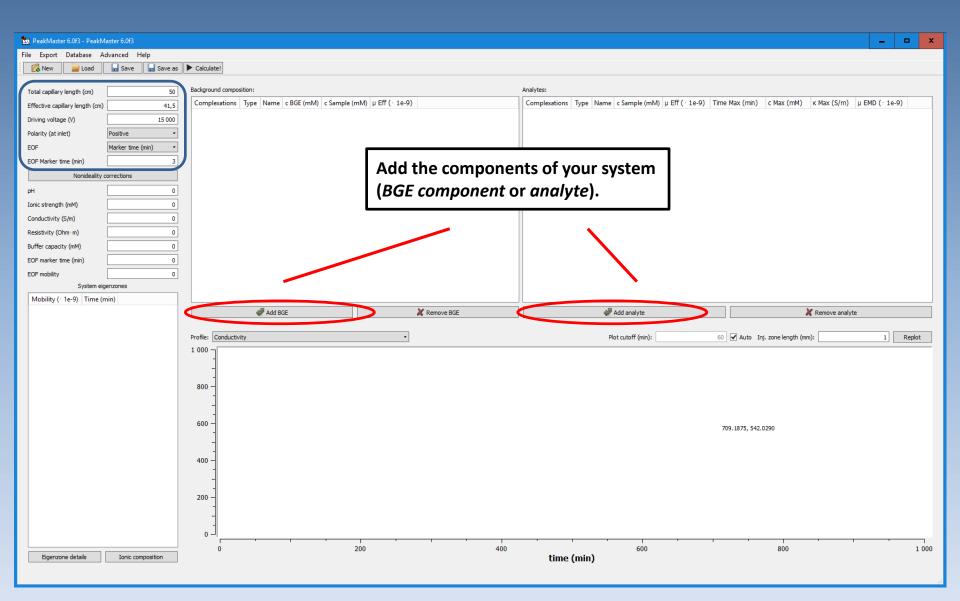


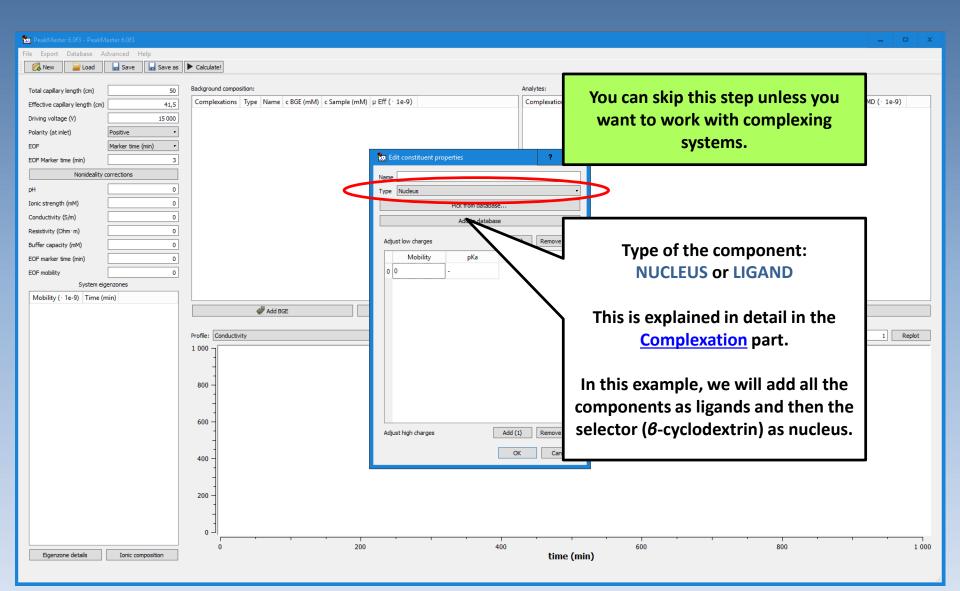
# PeakMaster 6 - User Guide

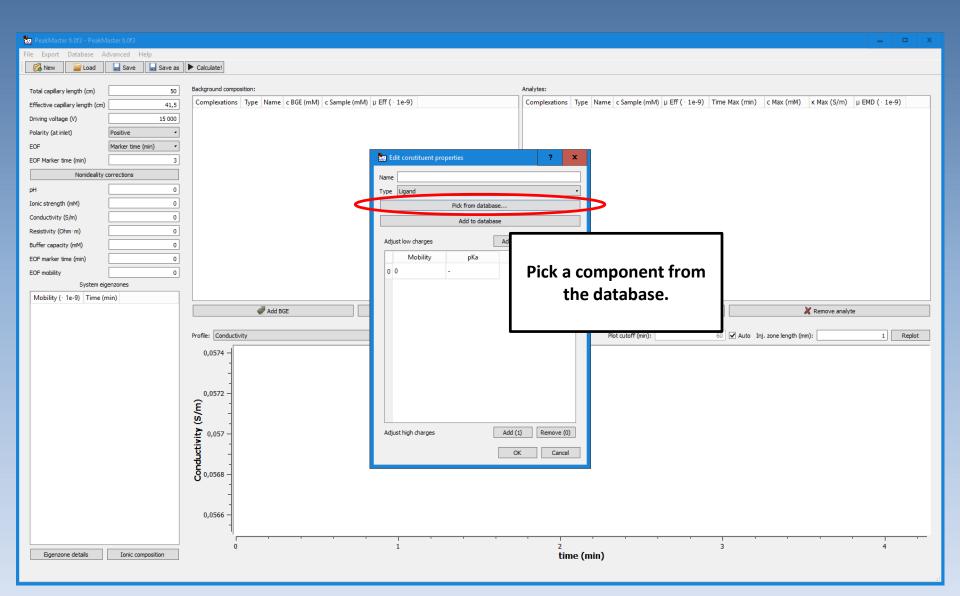
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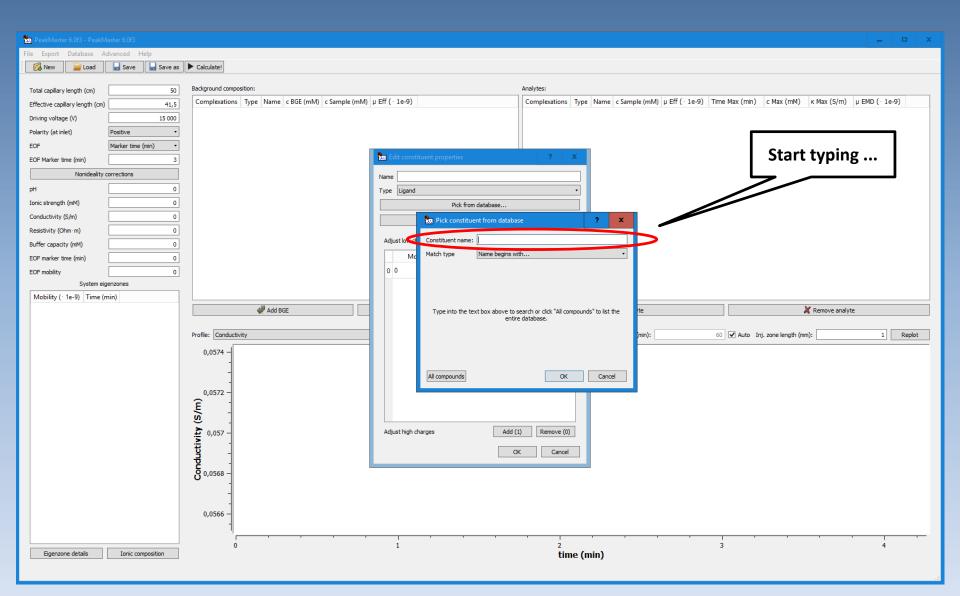
**Results** 

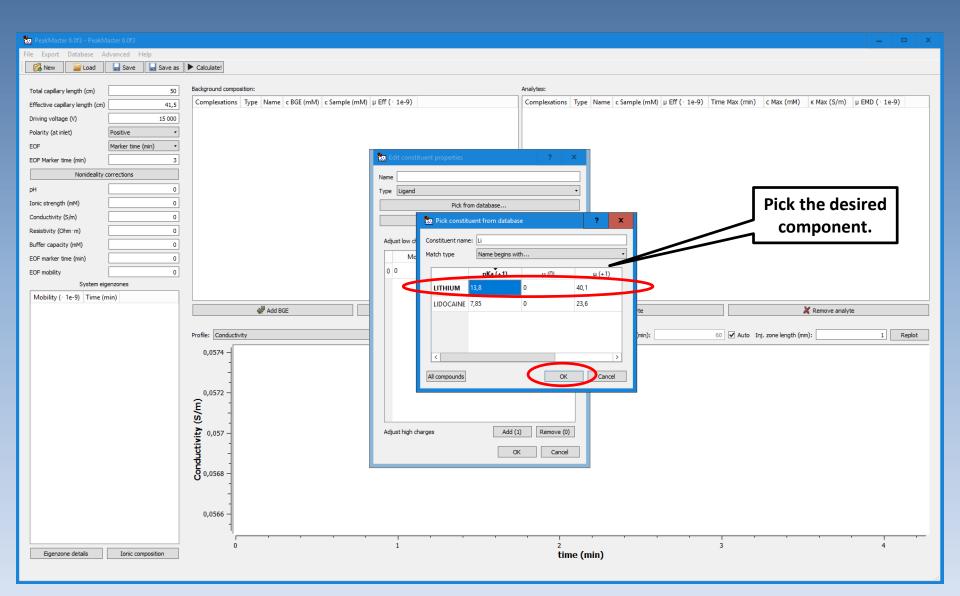


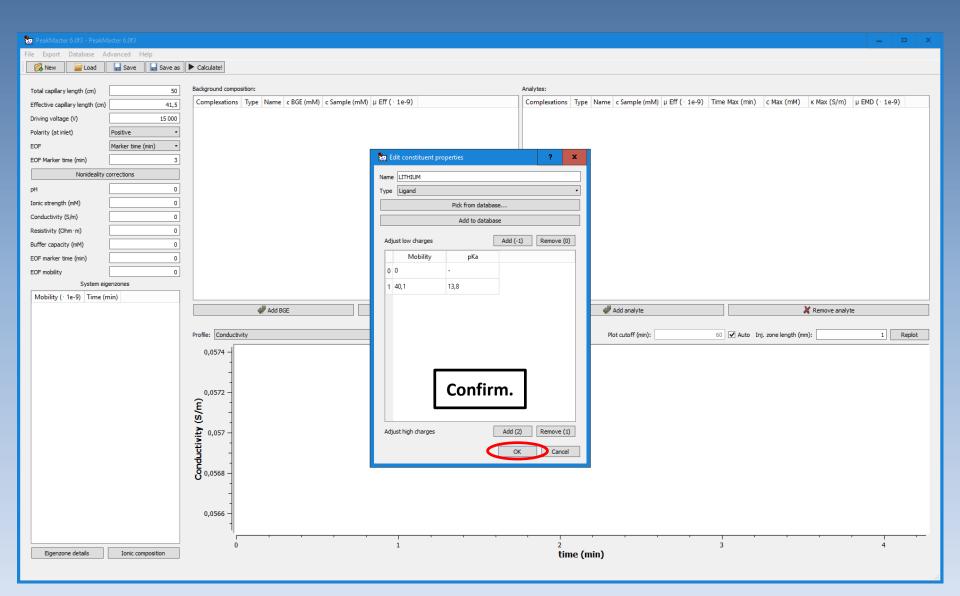


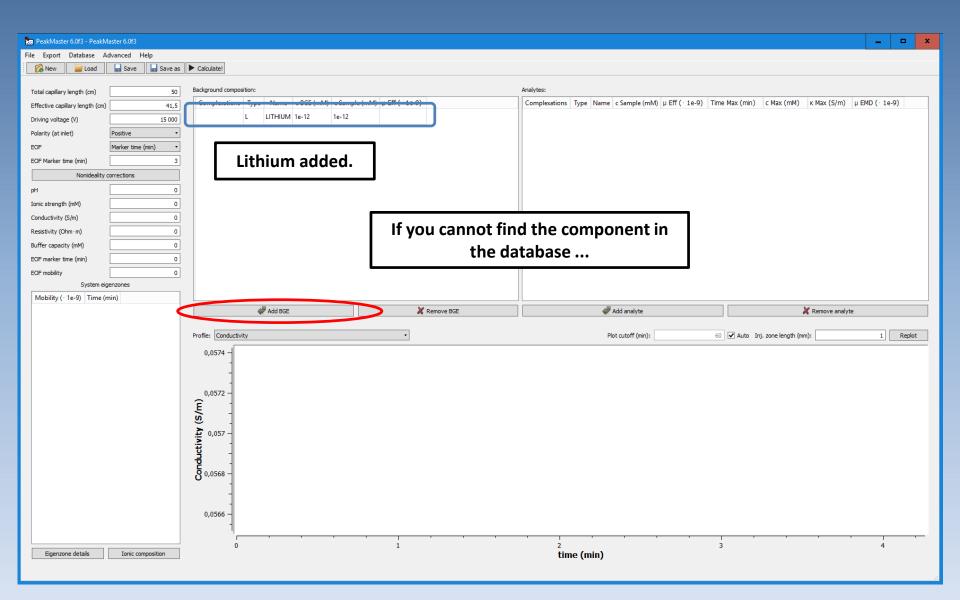


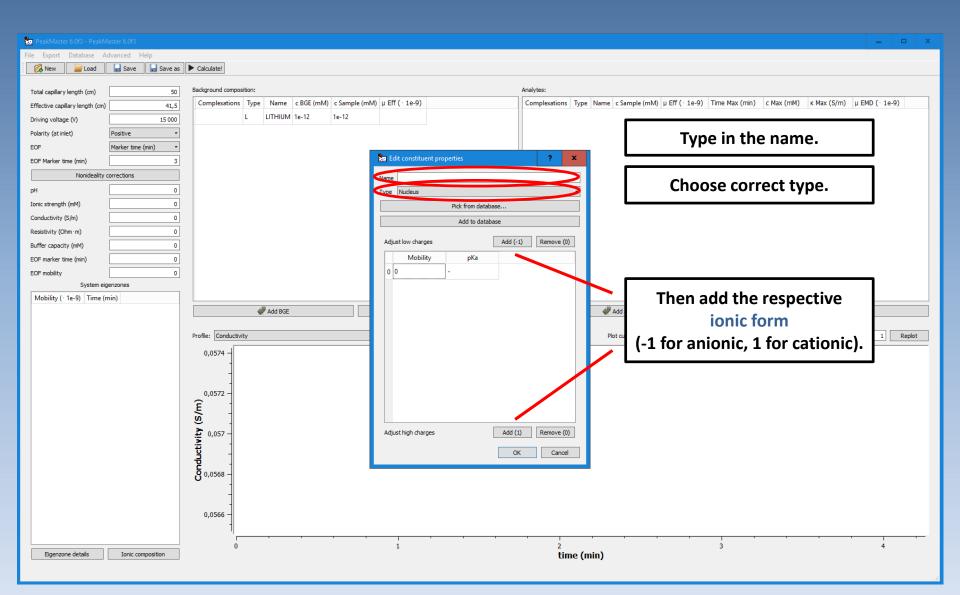


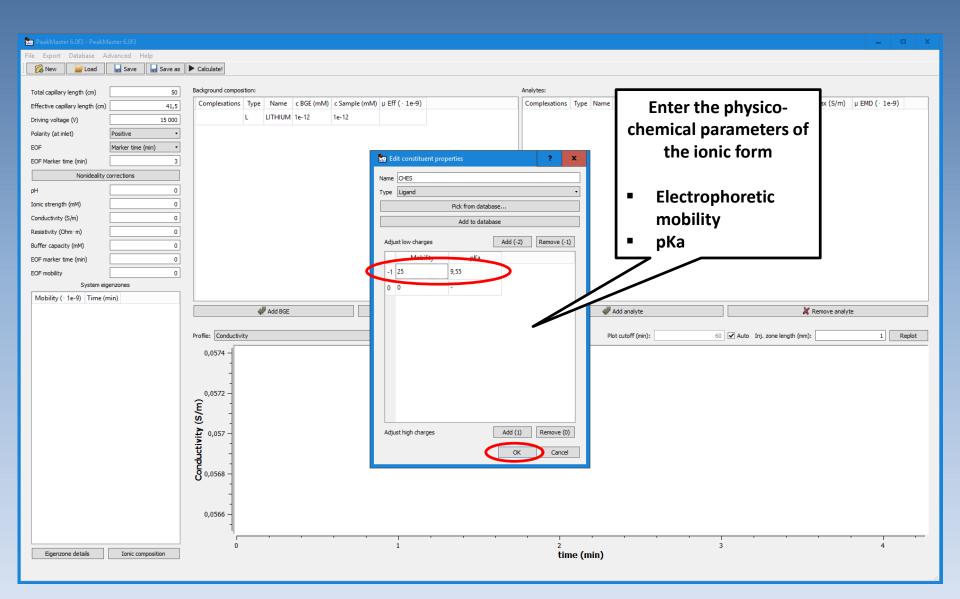




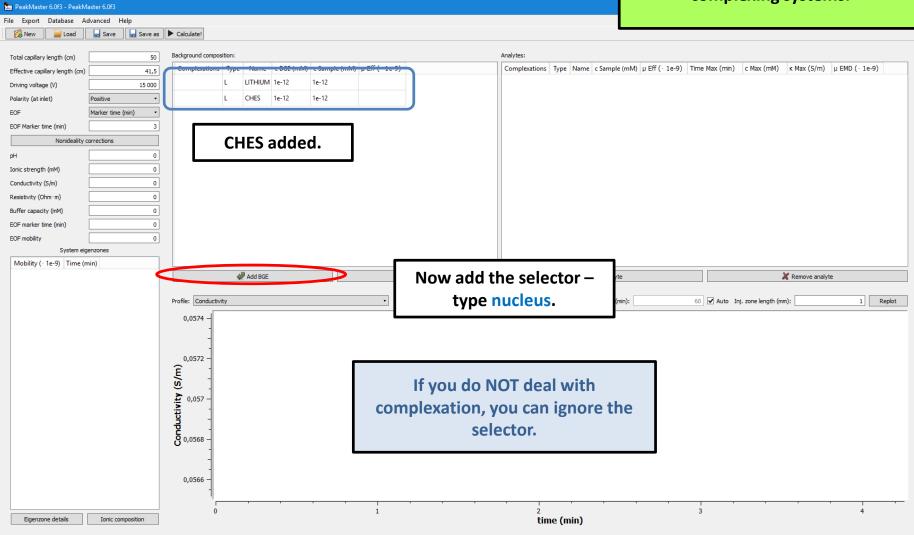








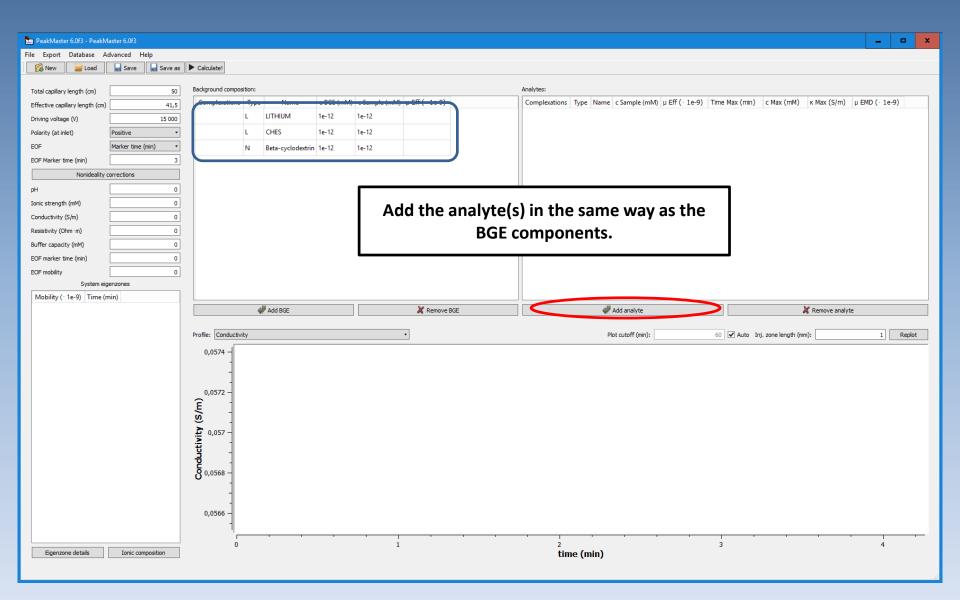
#### This part is relevant only for complexing systems.

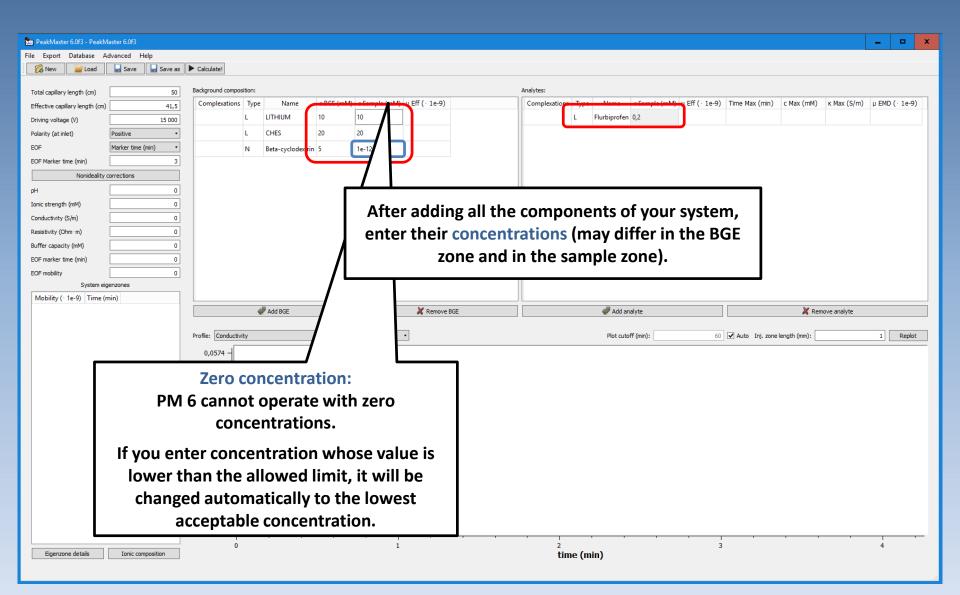


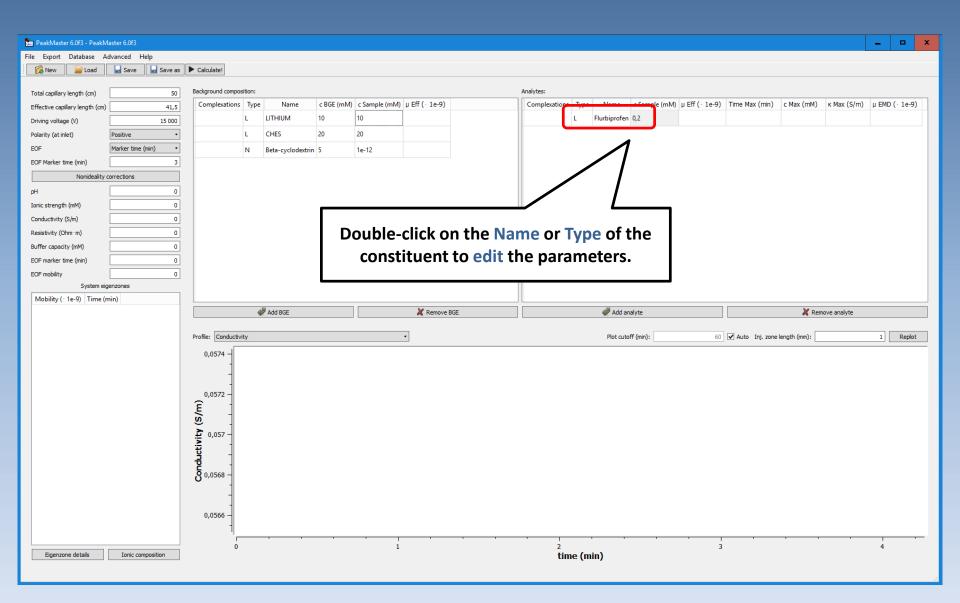
#### This part is relevant only for complexing systems.

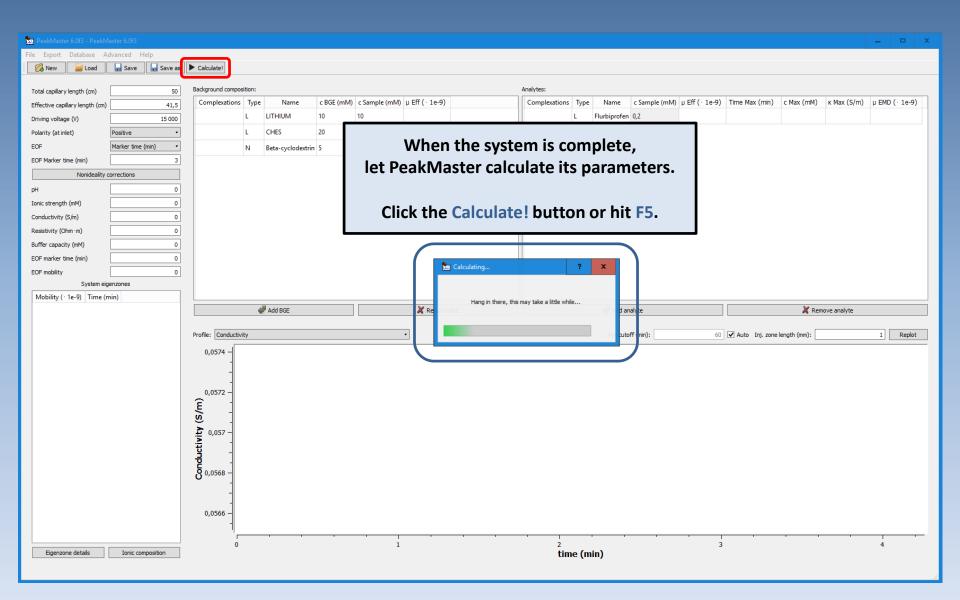
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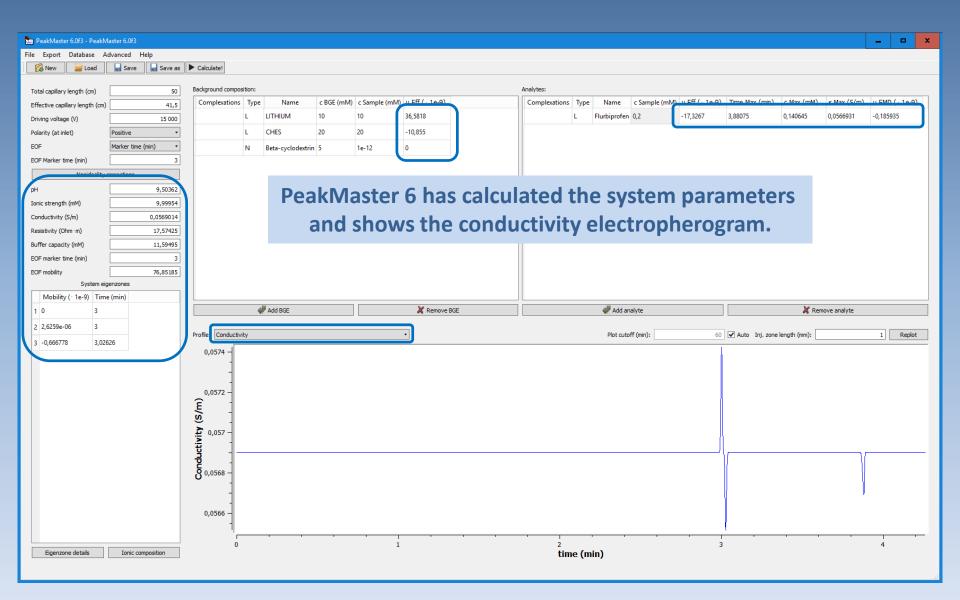
🔗 New 📔 Load 🛛 🔒 Save 🔒 Save as 🕨 Calculate! Background composition: Analytes: Total capillary length (cm) 50 Complexations Type Name c BGE (mM) c Sample (mM) µ Eff ( · 1e-9) Complexations Type Name c Sample (mM) µ Eff ( 1e-9) Time Max (min) c Max (mM) κ Max (S/m) µ EMD ( 1e-9) Effective capillary length (cm) 41,5 L LITHIUM 1e-12 1e-12 Driving voltage (V) 15 000 ٠ CHES 1e-12 1e-12 Polarity (at inlet) Positive L Marker time (min) EOF . 🐜 Edit constitue EOF Marker time (min) 3 Name and type. Nonideality corrections lame Beta-cyclodextrin 0 pН vpe Nucleus Ionic strength (mM) 0 0 Conductivity (S/m) Add to database 0 Resistivity (Ohm · m) Add (-1) Remove (0) Adjust low charges Buffer capacity (mM) 0 EOF marker time (min) 0 EOF mobility 0 System eigenzones Mobility ( · 1e-9) Time (min) Add BGE If the compound is 1 Replot Profile: Conductivity Plot cutoff neutral, you do not need 0,0574 to enter any ionic form. 0,0572 0,0572 (m) (S/m) 0,0572 (m) (S/m) Adjust high charges Add (1) Remove (0) ОК D Cancel 0,0566 3 1 2 4 0 Eigenzone details Ionic composition time (min)









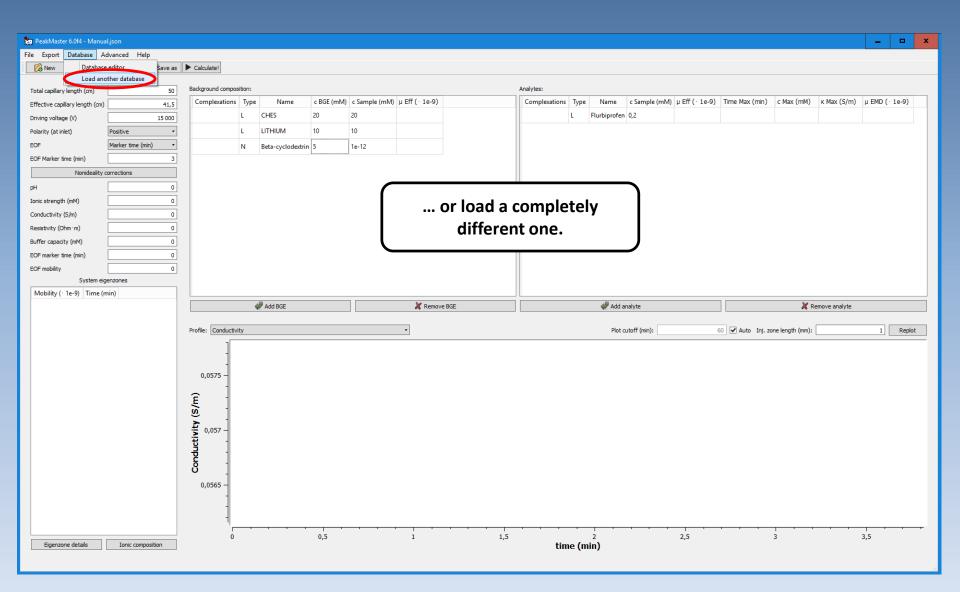


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Total capillary length (cm)		50	Background compos	sition:					Analytes:									
			Complexations		Name	c BGE (mM)	c Sample (mM)	u Fff ( · 1e-9)	Complexations	Type 1	Name	c Sample (mM)	u Fff ( · 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	µ EMD (• 1e	e-9)
Effective capillary length (cm)		41,5	complexations		LITHIUM	10	10	36,5818			rbiprofen		-17,3267	3,88075	0,140645	0,0566931	-0,185935	
Driving voltage (V)		15 000			CHES	20	20			- 110	iniproteit	0,2	11,5201	5,00015	0,140045	0,0000001	0,105555	
	Positive	•						-10,855										
	Marker time			N	Beta-cyclodextrin	5	1e-12	0										
EOF Marker time (min)		3	1															
Nonideality co	corrections																	
рH		9,50362																
Ionic strength (mM)		9,99954			- Nia		1:4											
Conductivity (S/m)		0,0569014				nidea	iity co	rrections										
Resistivity (Ohm · m)		17,57425			l (io	nic ef	fects.v	viscosity)										
Buffer capacity (mM)		11,59495						iscosicy,										
EOF marker time (min)		3																
EOF mobility System eige		76,85185																
Mobility (· 1e-9) Time																		
Mobility (* 18-3) Time																		
1.0.3				4	Add BGE			Remove BGE		4	🖉 Add ana	lyte			X Rem	ove analyte		
1 0 3				4	Add BGE			X Remove BGE		•	🥔 Add ana	lyte			🗶 Rem	ove analyte		
2 2,6259e-06 3			Profile: Conductivi		Add BGE			X Remove BGE			Add ana Add ana	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
					Add BGE			X Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			Profile: Conductivi		Add BGE			K Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3					Add BGE			X Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1] Reg	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			Conductivity (S/m) - 2220'0 - 220'0 - 220'0 - 220'0 - 200'0 -		Add BGE			Remove BGE			-	·	60	Auto Inj. zone		ove analyte	1 Rep	plot
2 2,6259e-06 3			Conductivity (S/m) - 2220'0 - 220'0 - 220'0 - 220'0 - 200'0 -		Add BGE			Remove BGE			Plot cutof	·	60			ove analyte	1 Rep	plot
2 2,6259e-06 3	526	mposition	- +750,0 		Add BGE			Remove BGE			Plot cutof	·				ove analyte		plot

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Total capillary length (cm)	50	Background compos	sition:					Analytes:
Effective capillary length (cm)	41,5	Complexations	Туре	Name	c BGE (mM)	c Sample (mM)	μ Eff (· 1e-9)	Complexations Type Name c Sample (mM) µ Eff ( · 1e-9) Time Max (min) c Max (mM) K Max (S/m) µ EMD ( · 1e-9)
Driving voltage (V)	15 000		L	LITHIUM	10	10	36,5818	L Flurbiprofen 0,2 -17,3267 3,88075 0,140645 0,0566931 -0,185935
Polarity (at inlet)	Positive •		L	CHES	20	20	-10,855	Correction for ionic effects
EOF	Marker time (min)		N	Beta-cyclodextrin	5	1e-12	0	correction for fonic effects
EOF Marker time (min)	3							(Debye-Hückel and Onsager-
Nonideality of	corrections							
рН	9,50362							Fuoss) enabled by deafult
Ionic strength (mM)	9,99954							
Conductivity (S/m)	0,0569014							
Resistivity (Ohm · m)	17,57425							Correction for viscosity
Buffer capacity (mM)	11,59495							
EOF marker time (min)	3					🗽 Set n	onideality corrections	is considered experimental
EOF mobility	76,85185					🗹 Deby	e-Hückel (stability constants)	disabled by default
System eig						🗹 Onsa	ger-Fuoss (ionic mobilities)	
Mobility (· 1e-9) Time	e (min)						sity (ionic mobilities)	
1 0 3			4	Add BGE				Add analyte X Remove analyte
2 2,6259e-06 3		Profile: Conductiv	itu			_		Plot cutoff (min): 60 🗸 Auto Inj. zone length (mm): 1 Replot
3 -0,666778 3,026	526		ity			_		
		0,0574 -						OK Cancel
		-						
		-						
		e <sup>0,0572</sup>						
		5						
		× 0.057						
		is 0,037						
		- - <mark>2</mark>						
		Conductivity (S/m) 						
		0 0,0000						
		-						
		0,0566						
		-						
		- - -			,			
Eigenzone details	Ionic composition	U				1		time (min)

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			Background compos	eition:						Analytes:								
Total capillary length (cm)		50	Complexations		Name	c BGE (mM)	c Sample (mM)	u Eff ( - 1e-9)		Complexations Type	Name	c Sample (mM)	u Eff ( 10-0)	Time Max (min)	c Max (mM)	к Max (S/m)	μ EMD ( 1	0-0)
Effective capillary length (cm)		41,5	Complexations			10	10	36,5818		L	Flurbiprofen		-17,3267	3,88075	0,140645	0,0566931	-0,185935	
Driving voltage (V)		15 000								-	nurbiproren	0,2	-11,5201	3,00073	0,140045	0,000000	-0,103333	
Polarity (at inlet)	Positive	•					20	-10,855										
EOF	Marker time (mi			N	Beta-cyclodextrin	5	1e-12	0										
EOF Marker time (min)		3																
Nonideality of	corrections																	
рН		9,50362								1								
Ionic strength (mM)		9,99954					E	diting	g the da	atabase								
Conductivity (S/m)		0,0569014						3										
Resistivity (Ohm · m)		17,57425																
Buffer capacity (mM)		11,59495																
EOF marker time (min)		3																
EOF mobility		76,85185																
System eig	-																	
Mobility (· 1e-9) Time	e (min)																	
						]		M							M			
1 0 3				Ų	Add BGE			🗶 Remove E	BGE		🖑 Add an	alyte			X Rem	ove analyte		
1 0 3 2 2,6259e-06 3			Profile: Conductivi		Add BGE			X Remove f	BGE			·	60	Auto Ini zone		ove analyte	1	enlot
			Profile: Conductivi		Add BGE			X Remove f	BGE		Add an Plot cuto	·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3			Profile: Conductivi 0,0574 –		Add BGE			X Remove f	BGE			·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3					Add BGE			X Remove f	BGE			·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			Remove f	BGE			·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BGE			·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BGE			·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BGE			·	60	Auto Inj. zone		ove analyte	1 R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BGE			·	60	Auto Inj. zone		ove analyte	<u>1</u> ] <u>R</u>	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BCE			·	60	Auto Inj. zone		ove analyte	1) R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BCE			·	60	Auto Inj. zone		ove analyte	1] <u>R</u>	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BCE			·	60	Auto Inj. zone		ove analyte	1] R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BCE			·	60	Auto Inj. zone		ove analyte	1) R	eplot
2 2,6259e-06 3			Conductivity (S/m)		Add BGE			X Remove f	BCE			·	60	Auto Inj. zone		ove analyte	1) R	eplot
2 2,6259e-06 3			0,0574 -		Add BGE			X Remove f	BCE			·	60	Auto Inj. zone		ove analyte	1) R	eplot
2 2,6259e-06 3			Conductivity (S,m) 		Add BGE			•	BGE			·				ove analyte		eplot
2 2,6259e-06 3 3 -0,666778 3,026	526		Conductivity (S/m)		Add BGE			•	BGE		Plot cuto	·	60			ove analyte	1] R 4	eplot
2 2,6259e-06 3			Conductivity (S,m) 		Add BGE			•	BGE	2 time (n	Plot cuto	·				ove analyte		eplot

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Total capillary length (cm)		50	Background compos						، ار	Analytes:								
Effective capillary length (cm)		41,5	Complexations				c Sample (mM)	μ Eff (· 1e-9)		Complexations T		c Sample (mM)	」Eff (·1e-9)	Time Max (min)	c Max (mM)	κ Max (S/m)	µ EMD (·	1e-9)
Driving voltage (V)	15	5 000		L C	CHES	20	20			L	Flurbiprofen	0,2						
Polarity (at inlet)	Positive	•		L L	ITHIUM	10	10											
EOF	Marker time (min)	•		N B	leta-cyclodextrin	5	1e-12											
EOF Marker time (min)		3																
Nonideality c	corrections																	
pH		0																
Ionic strength (mM)		0						Vou co	n edit t	ho ovici	ina							
Conductivity (S/m)		0									g							
Resistivity (Ohm · m)		0							databa	se								
Buffer capacity (mM)		0					l					)						
EOF marker time (min)		0										/						
EOF mobility		0																
System eig	enzones																	
Mobility ( · 1e-9) Time (m																		
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	nin)	_		4	Add BGE			🗶 Remove BGE			add a	nalyte			🗶 Re	move analyte		
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	nin)		Profile: Conductiv		Add BGE			X Remove BGE				unalyte sutoff (min):	6	0 ✔ Auto Inj. zo		move analyte	1	Replot
	nin)		Profile: Conductiv		Add BGE			Remove BGE					6	0 ✔ Auto Inj. zo		move analyte	1	Replot
	nin)		Profile: Conductiv		Add BGE			X Remove BGE					6	0 🗹 Auto Inj. zo		move analyte	1	Replot
	nin)		Profile: Conductiv		Add BGE			X Remove BGE					6	0 🗹 Auto Inj. zo		move analyte	1	Replot
	nin)		0,0575 -		Add BGE			★ Remove BGE					6	0 🗹 Auto Inj. zo		move analyte	1	Replot
	nin)		0,0575 -		Add BGE			¥ Remove BGE ▪					6	Auto Inj. zo		move analyte	1	Replot
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	hin)		Conductivity (S/m)		Add BGE			★ Remove BGE					6	0 🗹 Auto Inj. zo		move analyte	1	Replot
	hin)		Conductivity (S/m)		Add BGE			★ Remove BGE					6	0 🗹 Auto Inj. zo		move analyte	1	Replot
	hin)		Conductivity (S/m)		Add BGE								6	0 Z Auto Inj. zo		move analyte	1	Replot
			Conductivity (S/m)		Add BGE				· · · · ·		Plot of the second seco	utoff (min):					1	Replot
Eigenzone details	Ionic composition		Conductivity (S/m) - 22000 - 22000 - 20000 - 2000 - 2		Add BGE	0,5		•	· · · ·		Plot o	utoff (min):			ne length (mm): [		E	Replot

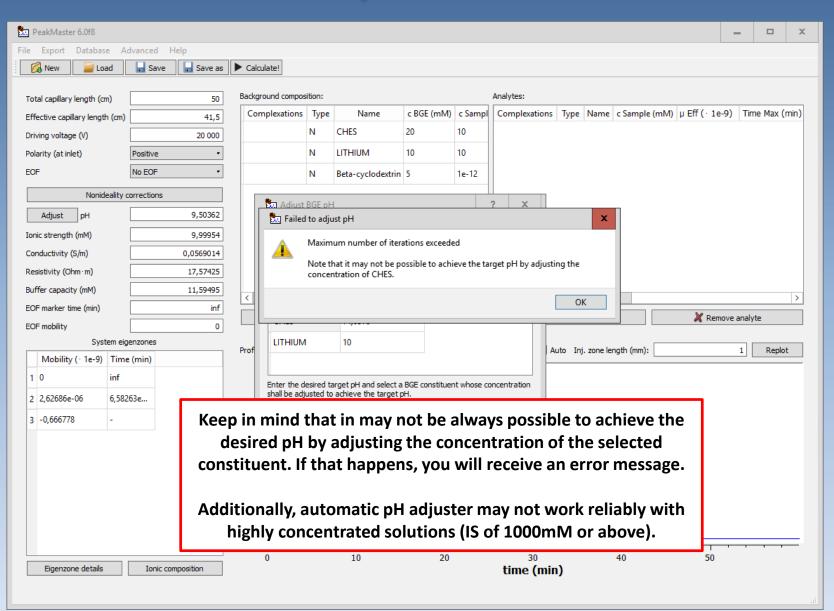


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Total capillary length (cm)	50	Background compo	_				Analytes:				
Effective capillary length (cm)	41,5	Complexations		Name	c BGE (mM)	· ·	Complexations	Type Name c Sa	mple (mM) µ Eff ( · 1	Le-9) Time	Max (min)
Driving voltage (V)	20 000		N	CHES	20	10					
Polarity (at inlet)	tive •		N	LITHIUM	10	10					
EOF No E	OF •		N	Beta-cyclodextrin	5	1e-12					
Nonideality correct	tions										
Adjust pH	9,50362		<b>\</b> +	omotio		diuc	tracet				
Ionic strength (mM)	9,99954		Aut	omatic	-						
Conductivity (S/m)	0,0569014			(since	<b>PM6</b>	.0f8	3)				
Resistivity (Ohm · m)	17,57425			•							
Buffer capacity (mM)	11,59495	<				>	<				>
EOF marker time (min)	inf	Ada	I DOE		Remove BGE			dd analyte		emove analyte	
EOF mobility	0	Aut	IDGE		Remove boe		A	uu anaiyte		smove analyte	
System eigenzon		Profile: Conductiv	ity 🔹	Plot cut	toff (min):		60 🗹 Aut	to Inj. zone length (	(mm):	1	Replot
Mobility ( · 1e-9) Time (min	)								-		
1 0 inf	_										
2 2,62686e-06 6,58263e		Ê									
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		Conductivity (S/m)									
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		- C									
		I									
		0		10	20		30	40	50	) ' '	
Eigenzone details I	Conic composition						time (min)				

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		Backgrou	und compos	ition				Analytes:		
Total capillary length (cm)	50			_		0.05 / 1.0				
Effective capillary length (cm)	41,5	Comp	lexations		Name	c BGE (mM)	c Sampl	Complexations	Type Name c Samp	ple (mM) µ Eff (· 1e-9) Time Max (min)
Driving voltage (V)	20 000			N	CHES	20				
Polarity (at inlet)	Positive •			N	LITHIUM	10	1.	Dick a co	onstituent	
EOF	No EOF •			Ν	Beta-cyclodextrin	5				
Nonideality	corrections		-						ncentraion	
Adjust pH	9,50362		🗽 Adj	just BGI	EpH		-		to adjust to	
Ionic strength (mM)	9,99954		Target	рн			ac	hieve th	e target pH	
Conductivity (S/m)	0,0569014		Current	t pH						
Resistivity (Ohm · m)	17,57425		BGE Co	nstituen	its		5			_
Buffer capacity (mM)	11,59495	<		onstitue		on (mM)				>
EOF marker time (min)	inf		Beta-	cyclod	extrin 5					
EOF mobility	0		CHES	5	20				dd analyte	💥 Remove analyte
System eig	genzones	Profile:	LITH	UМ	10				to Inj. zone length (mm	n): 1 Replot
Mobility (· 1e-9) Time	e (min)	ī								
1 0 inf			Enter ti	he desire	ed target pH and sele	ct a BGE constit	uent whose	e concentration		
2 2,62686e-06 6,582	263e	<u> </u>	shall be	adjuste	ed to achieve the targ					
3 -0,666778 -		Conductivity (S/m)	Ad	just				Close		
		t (								
		tivi								
		qre								
		Ğ								
		, C		'	10	20		30	40	50
Eigenzone details	Ionic composition				10	20		time (mir		50

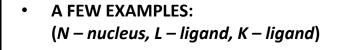
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Total capillary length (cm)	50	Backgrou	ind compos	ition:				Analytes:
Effective capillary length (cm)	41,5	Comp	lexations	Туре	Name	c BGE (mM)	c Sampl	Complexations Type Name c Sample (mM) µ Eff ( · 1e-9) Time Max (min)
Driving voltage (V)	20 000			N	CHES	20	10	
Polarity (at inlet)	Positive •			N	LITHIUM	10	10	
EOF	No EOF •			N	Beta-cyclodextrin	5	1e-12	1. Enter the
Nonideality cor	rrections							desired pH value
Adjust pH	9,50362		Ad 🛄	just BGI	EpH			? X
Ionic strength (mM)	9,99954		Target	pН				8,7
Conductivity (S/m)	0,0569014		Curren					9,5036
Resistivity (Ohm · m)	17,57425			instituen		( ) )		
Buffer capacity (mM)	11,59495	<		onstitue		on (mM)		
EOF marker time (min)	inf				extrin 5			dd analyte
EOF mobility	0		CHES	S	20			
System eiger Mobility (· 1e-9) Time (i		Profile:	LITH	IUM	10			o Inj. zone length (mm): 1 Replot
1 0 inf		ſ						
2 2,62686e-06 6,58263	3e		Enter ti shall be	he desire adjuste	ed target pH and sele ed to achieve the targ	ect a BGE consti get pH.	tuent whos	ose concentration
3 -0,666778 -		Conductivity (S/m)	Ad	ljust				Close
		× (S			N			
		ti			$\mathcal{N}$			
		qr			$\sim$			
		5				Adius		
					2. Click	Adjus	۱.	
		I.						
Eigenrene detaile	Tonic composition	0		·	10	20		30 40 50
Eigenzone details	Ionic composition							time (min)

PeakMaster 6.0f8		X
File Export Database Advanced Help		
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Total capillary length (cm) 50	Background composition: Analytes:	
Effective capillary length (cm) 41,5		mM) μ Eff (· 1e-9) Time Max (min)
Driving voltage (V) 20 000	N CHES 20 10	
Polarity (at inlet) Positive •	N LITHIUM 10 10	
EOF No EOF •	N Beta-cyclodextrin 5 1e-12	
Nonideality corrections		1
Adjust pH 9,50362	Adjust BGE pH Check the adjusted	
Ionic strength (mM) 9,99954	Target pH concentration of the	
Conductivity (S/m) 0,0569014	Current pH	
Resistivity (Ohm · m) 17,57425	BGE Constituents constituent	
Buffer capacity (mM) 11,59495	Constituent Concentration (mM)	
EOF marker time (min) inf	Beta-cyclodextrin 5	
EOF mobility 0	CHES 74,0378	💥 Remove analyte
System eigenzones	Profile: LITHIUM 10 uto Inj. zone length (mm):	1 Replot
Mobility (· 1e-9) Time (min)		
1 0 inf	Enter the desired target pH and select a BGE constituent whose concentration	
2 2,62686e-06 6,58263e	c shall be adjusted to achieve the target pH.	
3 -0,666778 -	Close	
	Adjust Close	
	E S	
	0 10 20 30 40	50
Eigenzone details Ionic composition	time (min)	





- NUCLEUS any ionic form of a nucleus can interact with an arbitrary number of ionic forms of ligands
  - each complex MUST contain ONE AND ONLY ONE nucleus
- LIGAND any ionic form of a ligand can interact with any ionic form of nuclei
- Ligands can NOT interact with other ligands and the same goes for nuclei.

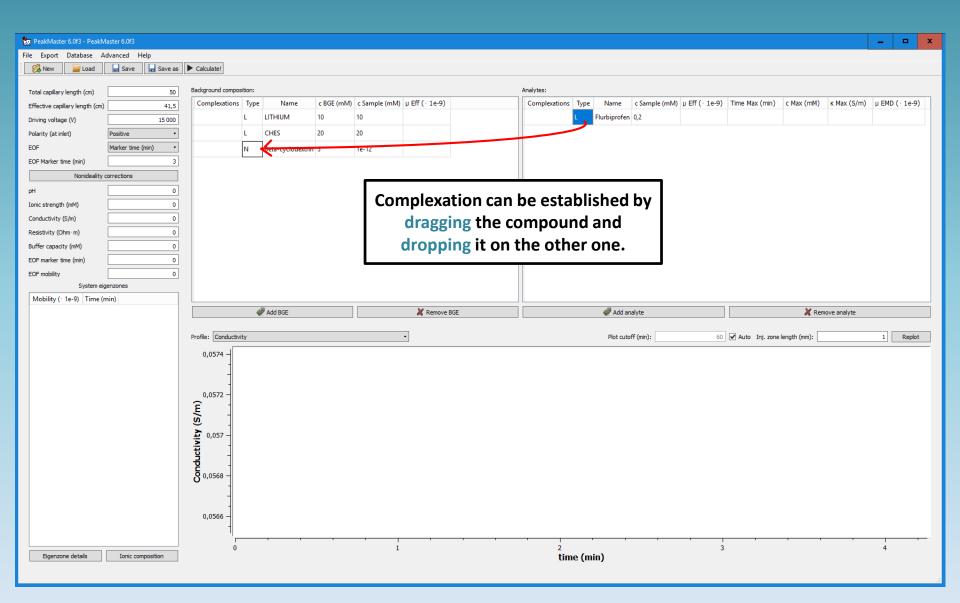


Allowed

- NL<sub>2</sub>
- NL<sub>3</sub>K
- NLK<sub>4</sub>

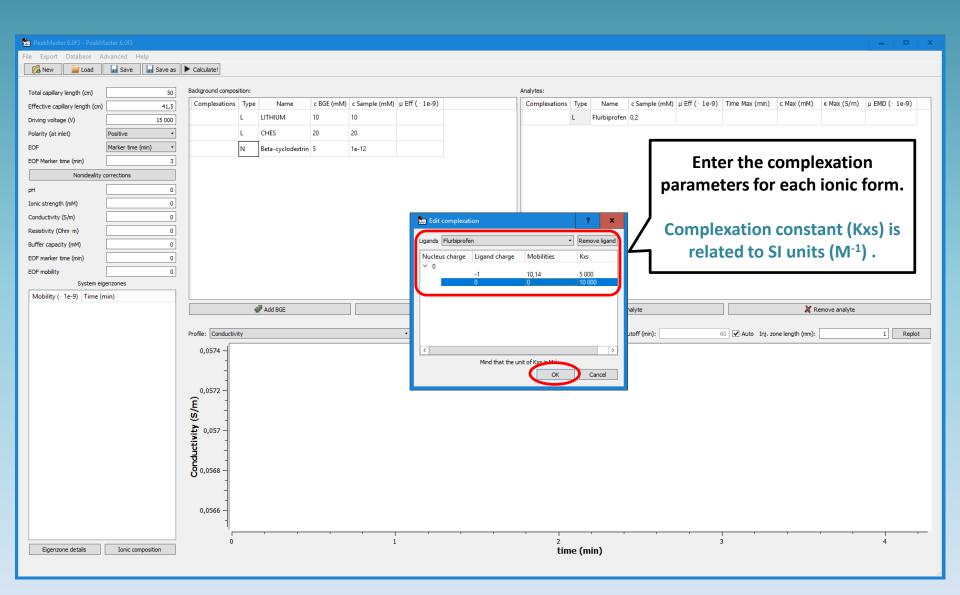
#### Not allowed

- N<sub>2</sub>L
- N<sub>4</sub>K
- LK

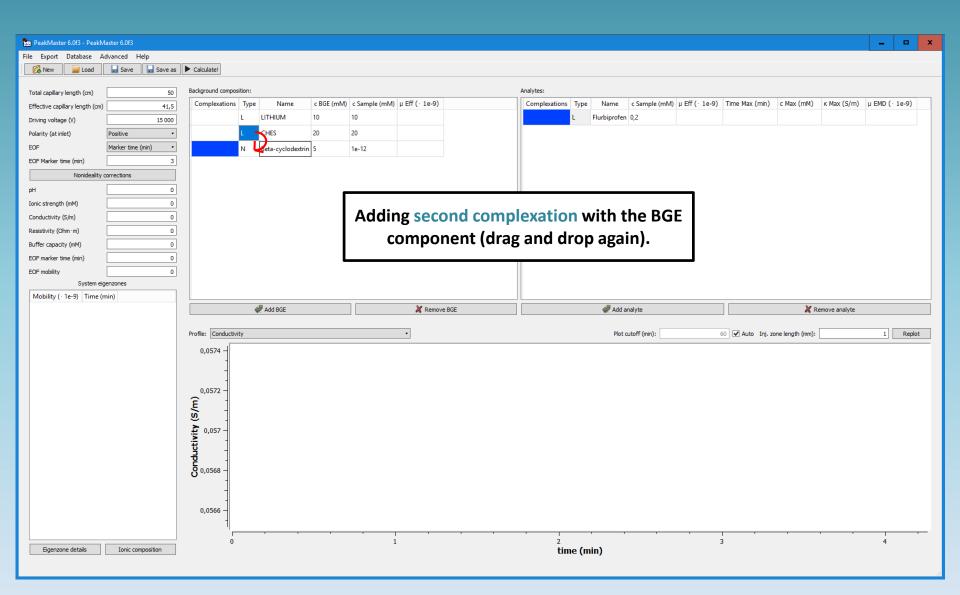


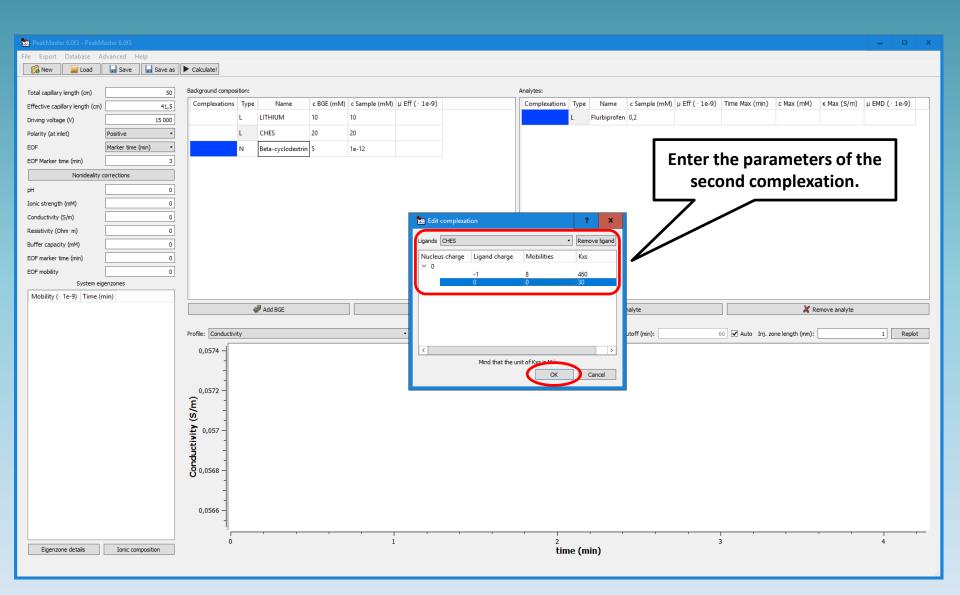
🗽 PeakMaster 6.0f3 - Manual.json					- 🗆 X
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Total capillary length (cm)     50       Effective capillary length (cm)     41,5       Driving voltage (V)     15 000       Polarity (at inlet)     Positive       EOF     Marker time (min)       EOF     Marker time (min)       Nonideality corrections       pH     0	Background composition:	1) c Sample (mM) µ Eff (· 1e-9) 1e-12 20 10	Analytes: Complexations Type Name c Sample (mM) µ L Prbiprofen 0,2	Eff (· 1e-9) Time Max (min) c Max (mM) κ Max (S/m) μ	J EMD ( · 1e-9)
Ionic strength (mM)         0           Conductivity (S/m)         0           Resistivity (Ohm·m)         0           Buffer capacity (mM)         0           EOF marker time (min)         0           EOF mobility         0           System eigenzones         Mobility (· 1e-9)		Assisted ligand – no In case you forget to			
	Add BGE	Remove BGE	Add analyte	🗶 Remove analyte	
	Add BGE  Profile: Conductivity  0,022784  0,022784  0,022784  0,022778  0,022778  0,022778  0,022774  0,022774  0,022774  0,022772		Add analyte Plot cutoff (min):	€ <ul> <li></li></ul>	1 Replot

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Total capillary length (cm)	50	Background composition:						Analytes:								
Effective capillary length (cm)	41,5	Complexations Type	Name			μ Eff (· 1e-9)		Complexations Typ			μ Eff ( 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	μ EMD (· 1	Le-9)
Driving voltage (V)	15 000	L	Beta-cyclodextrin		e-12				Flurbiprofen	0,2						
Polarity (at inlet)	Positive •	L	HES	20 2	0											
EOF	Marker time (min) •	L	ITHIUM	10 1	0											
EOF Marker time (min)	3															
Nonideality of																
pH	0															
Ionic strength (mM)	0															
Conductivity (S/m)	0															
Resistivity (Ohm·m) Buffer capacity (mM)	0															
EOF marker time (min)	0															
EOF mobility	0					Constitutes to the										
System eig	genzones				<b>1</b>	Constituent type				x						
Mobility ( · 1e-9) Time (n	min)				(	Constitue do you w		types to form a complex	ation relationship	p. What						
			Add BGE			· ·							💥 Rem	ove analyte		
						Convert "Flurbipro	ofen" to nucleus Conv	ert "Beta-cyclodextrin" t	o nucleus C	Cancel		<b></b>				
		Profile: Conductivity							Hot cotor	n (nm).	60	✓ Auto Inj. zone le	ength (mm):		1 Re	eplot
		0,022786														
		-														
		0,022784														
		Ê			Δ	ssisted	ligand –	nucleus	conve	rsion:						
		(L) 0,022782					_									
		0,02278			Pea	akMasi	ter will a	sk you w	hich o	t them						
						d	o vou wi	sh to con	vertl							
		D 0,022778 -				u.	o you m									
		<b>Ö</b> 0,022776														
		0,022774 -														
		0,022772 -														
		3,022772			1	,	, , , , , , , , , , , , , , , , , , ,				1			1		
Eigenzone details	Ionic composition				2			4 time	(min)		6			8		
								cine	()							

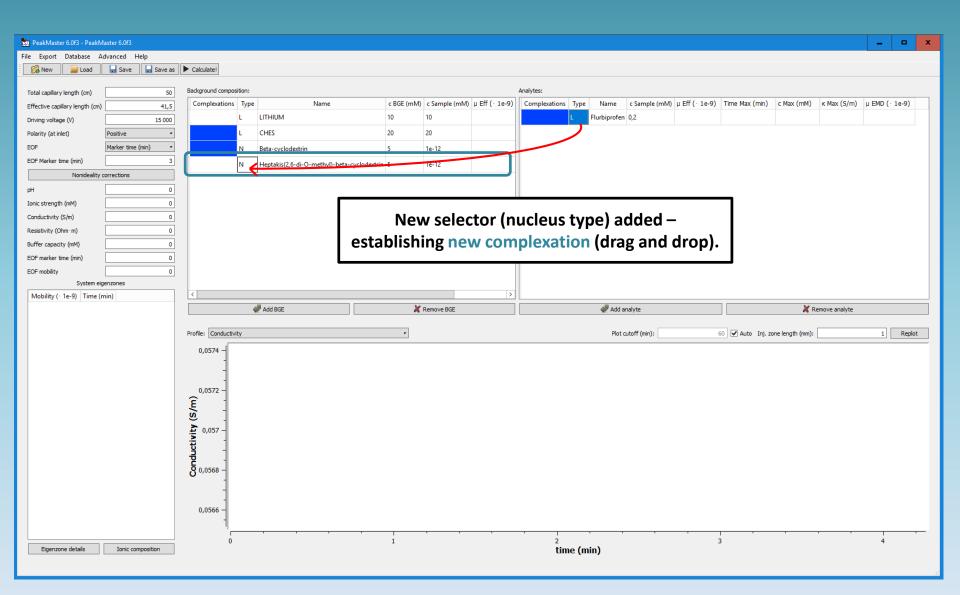


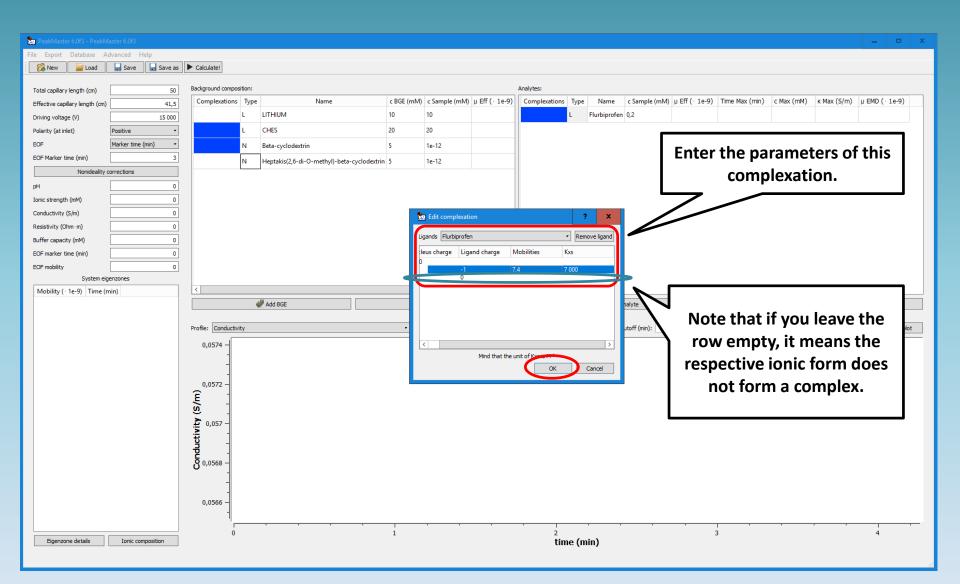
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		Calculate:							
Total capillary length (cm)	50	Background composition:				Analytes:			
Effective capillary length (cm)	41,5	Complexations Typ	e Name c	BGE (mM) c Sample (mM) µ Eff	· 1e-9)	Complexations Type Name et	Sumple (mid) p Eff ( 100)	Time Hux (min) e Hux (min) ki	tex (S/m) p EHD ( 10 9)
Driving voltage (V)	15 000	L	LITHIUM 10	10		L Flurbiprofen 0,2	2		
Polarity (at inlet)	Positive •		CHES 20	20					
EOF	Marker time (min) •	N	Beta-cyclodextrin 5	1e-12					
EOF Marker time (min)	3		-						
Nonideality con	rections								
pН	0								
Ionic strength (mM)	0								
Conductivity (S/m)	0		Com	nlexation	hetween	the two com	nounds	established	
Resistivity (Ohm · m)	0		con	pickation	Settreen		pounds	cotuononeu	•
Buffer capacity (mM)	0								
EOF marker time (min)	0								
EOF mobility	0								
System eigen	izones								
Mobility ( · 1e-9) Time (mir	n)								
			Add BGE		K Remove BGE	Add analy	te	🗶 Remov	e analyte
			Add BGE		K Remove BGE				
		Profile: Conductivity	🦑 Add BGE	•	K Remove BGE	Add analy Plot cuto		60 🗹 Auto Inj. zone length (mm):	e analyte       1     Replot
			Add BGE	•	K Remove BGE				
		Profile: Conductivity	Hadd BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	🧬 Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Profile: Conductivity 0,0574 -	Add BGE	•	Remove BGE				
		Conductivity - + 7620,0 - +	Add BGE	· · ·	Remove BGE				
		Conductivity - +700,0 -	Add BGE	· · · ·	Remove BGE	Plot cuto	ff (min):	60 🗹 Auto Inj. zone length (mm):	1 Replot
Egenzone details	Ionic composition	Conductivity - + 7620,0 - +	Add BGE	· · · · · · · · · · · · · · · · · · ·	Remove BGE		ff (min):		

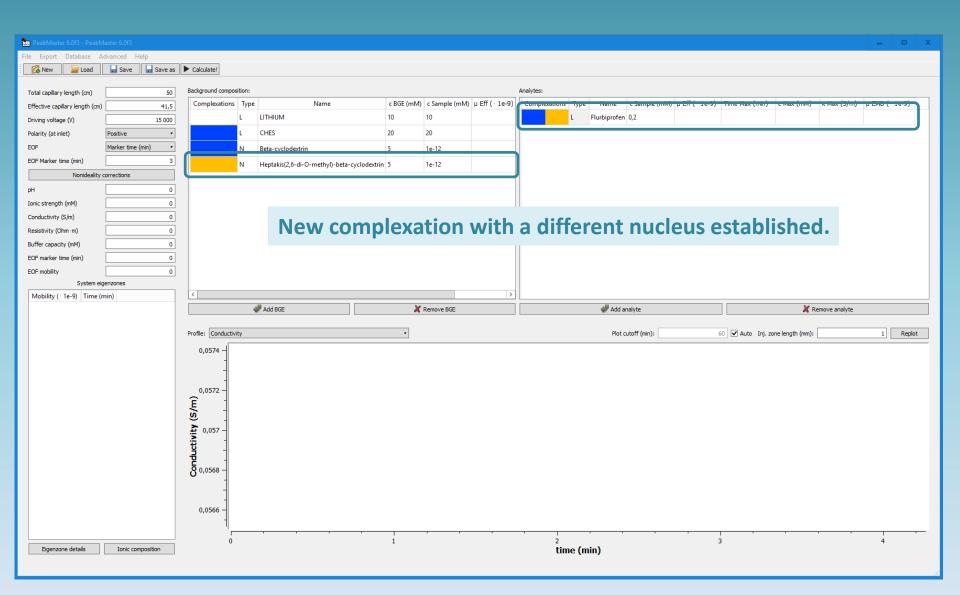


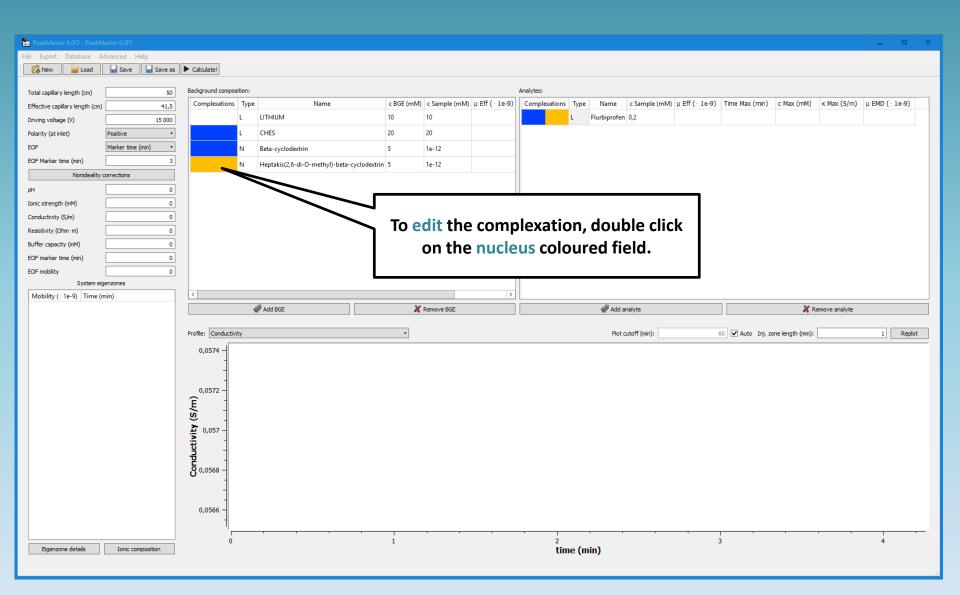


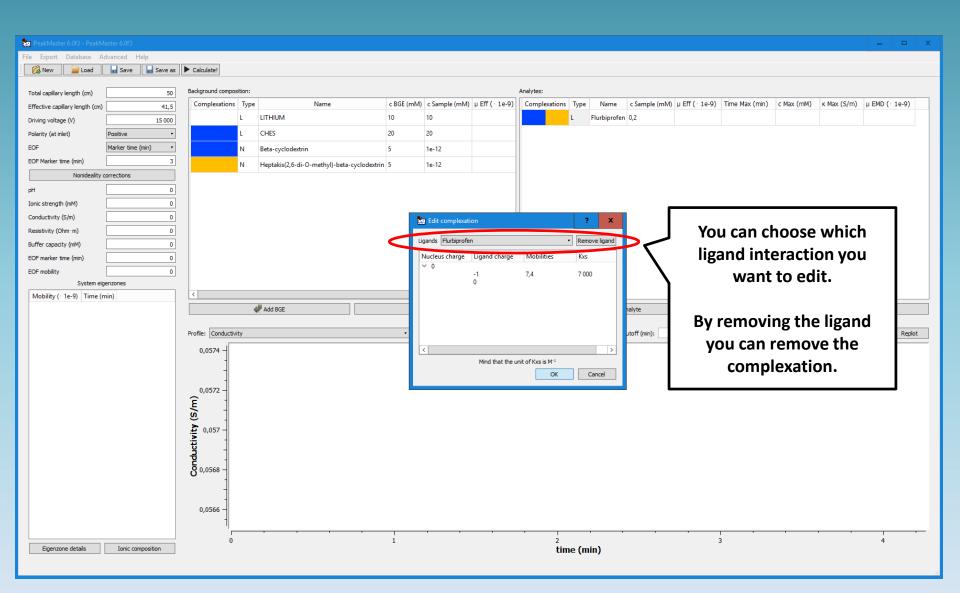
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Total capillary length (cm)	50	Background composi						Analytes:									
Effective capillary length (cm)	41,5	Complexations				μ Eff (· 1e-9)		Complexations Type			μ Eff (· 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	µ EMD (	· 1e-9)	_
Driving voltage (V)	15 000				10			L	Flurbiprofen	0,2							
Polarity (at inlet)	Positive •		L CHES	20	20												
EOF	Marker time (min) •		N Beta-cyclode	trin 5	1e-12												
EOF Marker time (min)	3																
Nonideality	corrections																
рH	0																
Ionic strength (mM)	0																
Conductivity (S/m)	0				Nou				hlia								
Resistivity (Ohm · m)	0				iven	/ com	piexati	on esta	DISI	iea.							
Buffer capacity (mM)	0							11									
EOF marker time (min)	0																
EOF mobility	0																
Mobility (· 1e-9) Time (	igenzones																
woonity ( re-5) rinie (			Add BGE			💥 Remove B	RGE		add a	nalvte		]	X R	emove analyte			
			¥ //00 002			a renove a											
		Profile: Conductivit	ty			•			Plot c	cutoff (min):	(	50 🗹 Auto Inj. zo	one length (mm):		1	Replot	ot
		0,0574 -															_
		-															
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		0,0572 -															
		Ê 1															
		i (s)															
		<b>1</b> 0,057 -															
		<u>t</u>															
		Conductivity (S/m)															
		<b>8</b> 0,0568 -															
		- 1															
		-															
		0,0566 -															
		l						_									
Eigenzone details	Ionic composition	0			1	L		2 time (r	min)		3	3			4		
Eigenzone detalls	zonic composition							une (r									







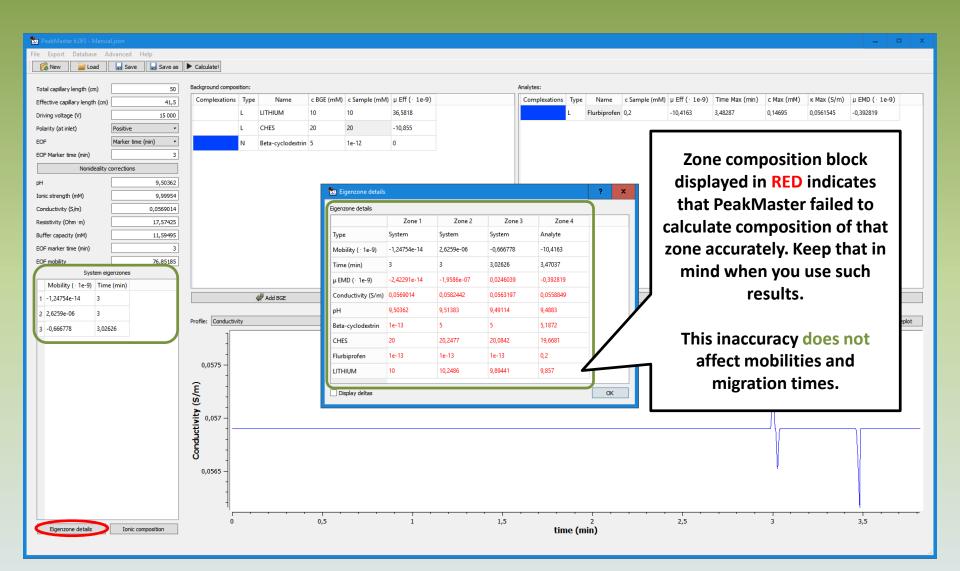




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Total capillary length (cm)	50	Background compositi	in:					Analytes:									
Effective capillary length (cm)	41,5	Complexations	ype Name	c BGE (mM)	c Sample (mM)	µ Eff (• 1e-9)		Complexations	Туре	Name	c Sample (mM)	μ Eff ( · 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	μ EMD ( · 16	e-9)
Driving voltage (V)	15 000	L	LITHIUM	10	10	36,5818			L I	Flurbiprofen	0,2	-10,4163	3,48287	0,14695	0,0561545	-0,392819	
Polarity (at inlet)	Positive •	L	CHES	20	20	-10,855											
EOF	Marker time (min) •	N	Beta-cyclodextri	n 5	1e-12	0											
EOF Marker time (min)	3		,														
Nonideality	corrections																
pH	9,50362																
Ionic strength (mM)	9,99954																
Conductivity (S/m)	0,0569014		Syster	n nra	anori	tion											
Resistivity (Ohm · m)	17,57425		Syster	n hid	phen	ues.											
Buffer capacity (mM)	11,59495																
EOF marker time (min)	3																
EOF mobility	76,85185																
System eig	genzones																
Mobility (· 1e-9) Time	ie (min)																
1 -1,24754e-14 3			🖑 Add BGE			X Remov	e BGE			🖑 Add a	nalyte			🗶 R	emove analyte		
1 -1,24754e-14 3 2 2,6259e-06 3	_		🖑 Add BGE			💥 Remov	e BGE								emove analyte		Derlet
	626	Profile: Conductivity	🦑 Add BGE			X Remov	e BGE				nalyte cutoff (min):		60 ✔ Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	Profile: Conductivity	Add BGE			X Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	1	Add BGE			X Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	Profile: Conductivity	Add BGE			X Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			X Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			X Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			¥ Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			₹ Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			₹ Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			₹ Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	Conductivity (S/m)	Add BGE			Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3	626	0,0575 -	Add BGE			Remov	e BGE						60 🗹 Auto Inj. z		emove analyte	<u> </u>	Replot
2 2,6259e-06 3	626	Conductivity (S/m)	Add BGE			Remov	e BGE						60 🗹 Auto Inj. z		emove analyte		Replot
2 2,6259e-06 3	626	Conductivity (S/m)	Add BGE			Remov	e BGE						60 🗹 Auto Inj. z		emove analyte		Replot
2 2,6259e-06 3	626	Conductivity (S/m)	Add BGE	0.5		Remov		.5					60 🗹 Auto Inj. z				Replot
2 2,6259e-06 3	626 Ionic composition	Conductivity (s/m)	Add BGE	0,5		•	e BGE	.5 tim	e (mi	Plot <i>c</i>		2,5	60 🗹 Auto Inj. z	one length (mm):		<u>1</u>	Replot

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Total capillary length (cm)	50	Background compos	ition:					Analytes:									
Effective capillary length (cm)	41,5	Complexations	Type Nam	e c BGE (mN	/) c Sample (mM)	μ Eff (· 1e-9)		Complexations	Туре	Name c Sample	e (mM) µ Eff ( ·	1e-9) Time M	fax (min)	c Max (mM)	к Max (S/m)	μ EMD (• 1e	e-9)
Driving voltage (V)	15 000		L LITHIUM	10	10	36,5818			L Flu	urbiprofen 0,2	-10,4163	3,48287	,	0,14695	0,0561545	-0,392819	
Polarity (at inlet)	Positive •		L CHES	20	20	-10,855											
EOF	Marker time (min) •		N Beta-cyclo	lextrin 5	1e-12	0											
EOF Marker time (min)	3		,														
Nonideality co	corrections																
pH	9,50362																
Ionic strength (mM)	9,99954																
Conductivity (S/m)	0,0569014																
Resistivity (Ohm · m)	17,57425																
Buffer capacity (mM)	11,59495		Figer	zone	prop	erties											
EOF marker time (min)	3		90.		<b>P. O</b> P	010100											
EOF mobility	76,85185																
System eige	lenzones																
Mobility (· 1e-9) Time																	
	e (min)																
1 -1,24754e-14 3	e (min)		🖑 Add BGE			💥 Remove BG	E	]		add analyte				🗶 Re	emove analyte		
1 -1,24754e-14 3 2 2,6259e-06 3	e (min)		-			X Remove BG	E								emove analyte		Dealet
		Profile: Conductivi	-			X Remove BG	E			Add analyte	:	60 <b>V</b> A	Auto Inj. zor	X Re ne length (mm):	emove analyte	1	Replot
2 2,6259e-06 3		Profile: Conductiv	-			X Remove BC	E				:	60 V A	Auto Inj, zor		emove analyte	1	Replot
2 2,6259e-06 3			-			X Remove BC	E	]			:	60 V A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		Profile: Conductiv	-			X Remove BC	E	]			:	60 V A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			X Remove BC	E	] []			:	60 🗹	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			X Remove BO	E	]			:	60 V A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			X Remove BO	E				:	60 <b>₹</b>	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			X Remove BG	E					60 🗹	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			X Remove BO	Ε					60 🗹 A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			Remove BO	E				\$	60 🗹 A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	-			Remove BO	E					60 🗹 A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	-			Remove BO	E					60 🗹 A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	-			Remove BO	E					60 🗹 A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	-			Remove BG	E					60 🗹 A	Auto Inj. zor		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	-	0.5		X Remove BG				Plot cutoff (min):		60 2			enove analyte		Replot
2 2,6259e-06 3		Conductivity (S/m)	-			•	E			Plot cutoff (min):	:	60 🗹 /		ne length (mm):	enove analyte	1	Replot

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Total capillary length (cm)	50	Background comp	osition:				Analytes:				
Effective capillary length (cm)		Complexation	1	c BGE (mM)	c Sample (mM)	μ Eff (· 1e-9)		ations Type Name c Sample (mM	<ol> <li>µ Eff ( · 1e-9) Time Max (min)</li> </ol>	) c Max (mM) κ Max (S/m) μ	EMD (· 1e-9)
Driving voltage (V)	15 000		L LITHIUM		10	36,5818		L Flurbiprofen 0,2	-10,4163 3,48287		0,392819
	Positive •		L CHES		20	-10,855					
	Marker time (min)										
EOF Marker time (min)	3		N Beta-cyclodextr	in 5	1e-12	0					
Nonideality of								Daramoto	rs markad as	Max present	
· · · · · · · · · · · · · · · · · · ·	9,50362									-	
pH Tania shareath (mM)	,							the	values in pea	ik apex	
Ionic strength (mM) Conductivity (S/m)	9,99954								-	-	
Resistivity (Ohm·m)	17,57425							(not the	e same as the	e values in	
Buffer capacity (mM)	11,59495							- Гі	genzone det	aile)	
EOF marker time (min)	3								genzone ueta	ans <i>j</i> .	
EOF marker une (min)	76,85185										
System eige											
Mobility (· 1e-9) Time	e (min)										
1 -1,24754e-14 3			🖑 Add BGE			💥 Remove BGE		analyte 🦑		💥 Remove analyte	
			🖑 Add BGE			🗶 Remove BGE		nalyte 🥔		💥 Remove analyte	
2 2,6259e-06 3	676	Profile: Conduct	*			X Remove BGE		Add analyte	60 🗹 Auto Inj.		1 Replot
	626	Profile: Conduct	*			Kemove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	Profile: Conduct	*			X Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626		*			X Remove BGE			60 V Auto Inj.		1 Replot
2 2,6259e-06 3	626	Profile: Conduct	*			Kemove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 -	*			X Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 -	*			Kemove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 -	*			Kemove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 -	*			¥ Remove BGE ▼			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 -	*			₩ Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 - (E/S) k	*			₩ Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	Conductivity (S/m)	*			₩ Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	0,0575 -	*			₩ Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	Conductivity (S/m)	*			₩ Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3	626	Conductivity (S/m)	*			Remove BGE			60 🗹 Auto Inj.		1 Replot
2 2,6259e-06 3 3 -0,666778 3,026		Conductivity (S/m)	ivity	· · · · · · · · · · · · · · · · · · ·		★ Remove BGE		Plot cutoff (min):	60 🗹 Auto Inj.		
2 2,6259e-06 3	626 Ionic composition	Conductivity (S/m)	ivity	·		•		Plot cutoff (min):		zone length (mm):	

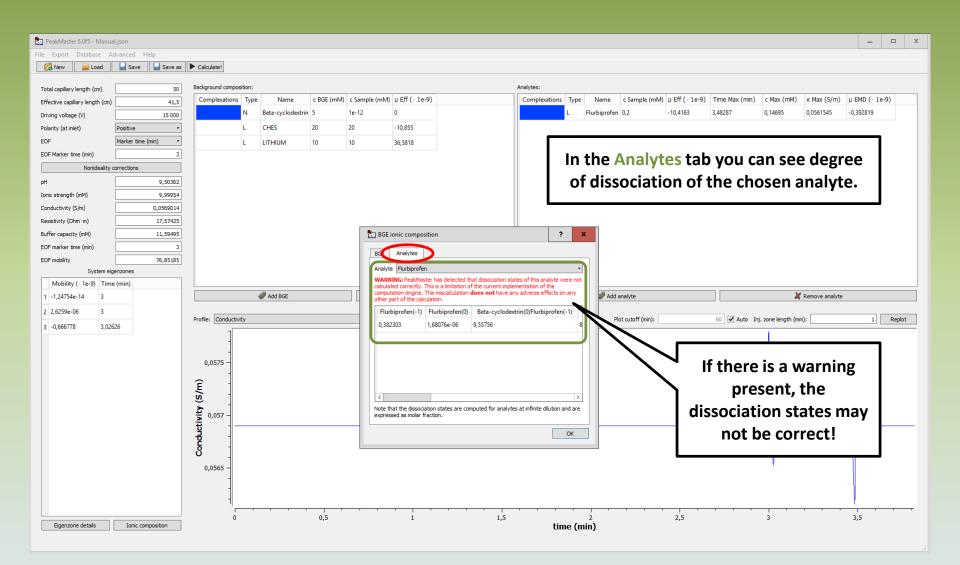


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Total capillary length (cm)	50	Background compositio	on:					An	nalytes:								
Effective capillary length (cm)	41,5	Complexations T	lype Name	c BGE (mM) c Sar	mple (mM) µ	Eff ( · 1e-9)			Complexations Type	Name	c Sample (mM	) µ Eff ( · 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	μ EMD (· 1e-9)	
Driving voltage (V)	15 000	L	LITHIUM	10 10	36	5,5818			L	Flurbiprofer	0,2	-10,4163	3,48287	0,14695	0,0561545	-0,392819	
Polarity (at inlet)	Positive -	L	CHES	20 20	-1	0,855											
EOF	Marker time (min) •	N	Beta-cyclodextrin	5 1e-12	2 0												
EOF Marker time (min)	3																
Nonideality of	orrections																
рH	9,50362			8	1.1.2						~						
Ionic strength (mM)	9,99954			🗽 Eigenzo						?	×						
Conductivity (S/m)	0,0569014			Éigenzone de	letails		7.0				_						
Resistivity (Ohm·m)	17,57425				Syst	Zone 1	Zone 2 System	Zone 3 System	Zone 4 Analyte								
Buffer capacity (mM) EOF marker time (min)	11,59495			Туре						_							
EOF mobility	76,85185			Mobility (		24754e-14	2,6259e-06	-0,666778	-10,4163	_							
System eige				Time (min			3	3,02626	3,47037	_							
Mobility ( 1e-9) Time	(min)			μ EMD (+ 1		12291e-14	-1,9586e-07	0,0246039	-0,392819	_							
1 -1,24754e-14 3			🖑 Add BGE	Conductiv	vity (S/m) 0,05	569014	0,0582442	0,0563197	0,0558849	_				2	🕻 Remove analyte		
2 2,6259e-06 3				рН	9,50	0362	9,51383	9,49114	9,4883								
3 -0,666778 3,026	26	Profile: Conductivity		Beta-cyclo	odextrin 1e-	13	5	5	5,1872	_	ff (min):		60 🗹 Auto I	nj. zone length (m	nm):	1 F	Replot
		-		CHES	20		20,2477	20,0842	19,6681								
		-		Flurbiprof	fen 1e-	13	1e-13	1e-13	0,2								
		0,0575 -		LITHIUM	10		10,2486	9,89441	9,857	J							
		Ê									╡║┍━						1
		Conductivity (S/m)		Display d	deltas					OK		Chock	if you	want	to dis	nlav	
		£ 0.057 ]															
		gr										the r	esults	as a d	iffere	nce	
		- g										hotu	een th	0 700	o ond	tha	
		8 ]															
		0,0565 -										pu	re BGE	parar	meters	s.	
		-															I
		') [0		0,5		1		1,5		2		2,5		3		3,5	
Eigenzone details	Ionic composition	U		0,0		1		1,5	time (I	nin)		2,3		3		5,5	

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Total capillary length (cm)	50	Background composition						lytes:						( 0)
Effective capillary length (cn		Complexations Ty		c BGE (mM) c Sample (ml	(V) μ Eff (· 1e-9) 36,5818			omplexations Type	Name Flurbiprofen		Eff ( · 1e-9) Time 0,4163 3,4828		nM) κ Max (S/m) μ EMD ( · 0,0561545 -0,392819	
Driving voltage (V)	15 000							L	Flurbiproten	0,2 -10	J,4103 3,4828	0,14095	0,0301345 -0,392819	
Polarity (at inlet)	Positive •	L		20 20	-10,855									
EOF EOF Marker time (min)	Marker time (min)	N	Beta-cyclodextrin	5 1e-12	0						Mah	ilitios o	f system	
	y corrections													
H	9,50362										and	analyte	e peaks.	
Ionic strength (mM)	9,99954			🧱 Eigenzone detail					?	×			•	
Conductivity (S/m)	0,0569014			Eigenzone details						ר	//			
Resistivity (Ohm · m)	17,57425				Zone 1	Zone 2	Zone 3	Zone 4						
Buffer capacity (mM)	11,59495			Туре	System	System	System	Analyte						
OF marker time (min)	3			Mobility ( · 1e-9)	-1,24754e-14	2,6259e-06	-0,666778	-10,4163		1				
OF mobility	76,85185			Time (min)	3	3	3,02626	3,47037		1				-
	eigenzones			μ EMD (· 1e-9)	-2,42291e-14	-1,9586e-07	0,0246039	-0,392819			1 Con	ductivity	y change in	
Mobility ( 1e-9) Tir 1 -1,24754e-14 3	me (min)		Add BGE	Conductivity (S/m)	7,46304e-11	0,00134278	-0,000581709	-0,00101657	-					
			Add bol	pH	6,1679e-10	0,010214	-0,0124826	-0,0153177			_ the	respect	ive zones.	
		Profile: Conductivity		Beta-cyclodextrin	-5	4,17529e-10	-8,88178e-16	0,187205		ff (min):				Replot
3 -0,666778 3,0	12626	1		CHES	1,37431e-08	0,247682	0,0842443	-0,331927				1		
		-		Flurbiprofen	1e-13	1e-13	1e-13	0,2	- <b>、</b>					
		0,0575 -		LITHIUM	1,37935e-08	0,248589	-0,105592	-0,142997						
		<u> </u>		LITHIOM	1,579536-06	0,240309	-0,103392	-0,142997		$\mathbf{N}$				
		Ę		Display deltas					ОК		V	Chan	a of	
		<b>x</b> (S								<b>_</b> \			-	
		<b>1</b> 0,057 –									े cor	ncentrat	ion of the	
		Conductivity (S/m)									- cho	son con	nponent in	
		Ĕ,											=	
		- 1									the	respect	ive zones.	
		0,0565 -										•		
		-												
		0		0,5	1		1,5		2		2,5	3	3,5	
Eigenzone details	Ionic composition							time (n	nin)					

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Total capillary length (cm)	50	Background composi	tion:					Analytes:								
Effective capillary length (cm	n) 41,5	Complexations	Type Name	c BGE (mM	l) c Sample (mM)	) µ Eff (· 1e-9)	)	Complexations Type	Name	c Sample (mM)	μ Eff (· 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	μEMD (·	1e-9)
Driving voltage (V)	15 000		L LITHIUM	10	10	36,5818		L	Flurbiprofen	0,2	-10,4163	3,48287	0,14695	0,0561545	-0,392819	
Polarity (at inlet)	Positive •		L CHES	20	20	-10,855										
EOF	Marker time (min) •		N Beta-cyclod	extrin 5	1e-12	0										
EOF Marker time (min)	3															
Nonideality	y corrections															
pH	9,50362															
Ionic strength (mM)	9,99954															
Conductivity (S/m)	0,0569014															
Resistivity (Ohm · m)	17,57425															
Buffer capacity (mM)	11,59495		onic c	omno	acitio	n										
EOF marker time (min)	3			ompu	JSILIO											
EOF mobility	76,85185															
	eigenzones															
Mobility (· 1e-9) Tin	me (min)															
			4			¥ -			4	1.1			Ne -			
1 -1,24754e-14 3			add BGE 🦑			💥 Remo	ove BGE		🖑 Add a	nalyte			<b>X</b> F	lemove analyte		
2 2,6259e-06 3		Profile: Conductivit				X Remo	ove BGE					60 🗸 Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	Profile: Conductivit					ove BGE			nalyte		60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	Profile: Conductivit					ove BGE					60 ✔ Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	-					ove BGE					60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	Profile: Conductivit					ove BGE					60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	0,0575 -					ove BGE					60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3	2626	0,0575 -					ove BGE					60 🗹 Auto Inj. z			1]	Replot
2 2,6259e-06 3	2626	0,0575 -					ove BGE					60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3	2626	0,0575 -					ove BGE					60 V Auto Inj. z			1	Replot
2 2,6259e-06 3	2626	0,0575 -					ove BGE					60 V Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	0,0575 - (EU/S) A:					ove BGE					60 V Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	Conductivity (S/m)					ove BGE					60 V Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	0,0575 -					ove BGE					60 🗸 Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	Conductivity (S/m)					ove BGE					60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3	12626	Conductivity (S/m)					ove BGE					60 V Auto Inj. z			1	Replot
2 2,6259e-06 3 3 -0,666778 3,02		Conductivity (S/m)		.   .			ove BGE		Plot o		2,5	60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3 3 -0,666778 3,02	12626	Conductivity (S/m)		0,5		•		 time (m	Plot o			60 V Auto Inj. z	cone length (mm):			Replot

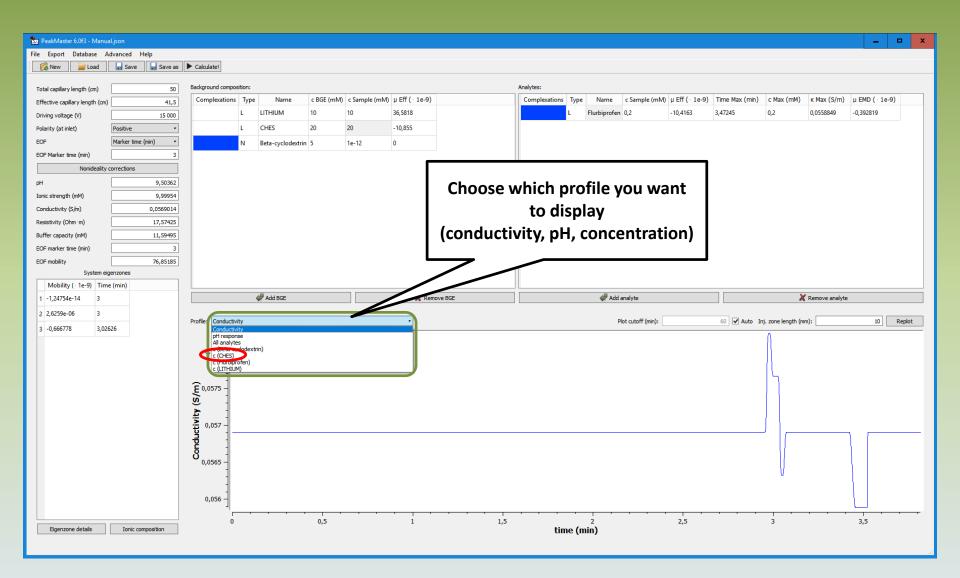
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le Export Database Advanced Help	
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Total capillary length (cm) 50	
Effective capillary length (cm) 41,5	Complexations         Type         Name         c BGE (mM)         μ Eff (· 1e-9)         Time Max (min)         c Max (s/m)         μ EMD (· 1e-9)
Driving voltage (V) 15 000	L LITHIUM 10 10 36,5818
Polarity (at inlet)	L CHES 20 20 -10,855
EOF Marker time (min) •	N Beta-cyclodestrin 5 1e-12 0
EOF Marker time (min) 3	
Nonideality corrections	
pH 9,50362	
Ionic strength (mM) 9,99954	BGE tab shows ionic
Conductivity (S/m) 0,0569014	composition of the BGE
Resistivity (Ohm · m) 17,57425	The PGE ionic composition
Buffer capacity (mM) 11,59495	at the given pH.
EOF marker time (min) 3	BGE halytes
EOF mobility 76,85185	
System eigenzones	Beta-cyclodextrin 5
Mobility ( · 1e-9) Time (min)	CHES 9,96431 10,0357
1 -1,24754e-14 3	Image: Weight of the second
2 2,6259e-06 3	Profile: Conductivity Plot cutoff (min): 60 🗹 Auto Inj. zone length (mm): 11 Replot
3 -0,666778 3,02626	
	ок
	0,0575 -
	Conductivity (S/m)
	0,0565 -
Eigenzone details Ionic composition	time (min)



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Total capillary length (cm)	50	Background compos	sition:					Analytes:									
Effective capillary length (cm)	41,5	Complexations			<ol> <li>c Sample (mM)</li> </ol>			Complexations					Time Max (min)		к Max (S/m)		.e-9)
Driving voltage (V)	15 000		L LITHIUM	10	10	36,5818		l	L	Flurbiprofer	0,2	-10,4163	3,48287	0,14695	0,0561545	-0,392819	
Polarity (at inlet)	Positive •		L CHES	20	20	-10,855											
EOF	Marker time (min) •		N Beta-cyclo	extrin 5	1e-12	0											
EOF Marker time (min)	3																
Nonideality c	corrections																
рН	9,50362																
Ionic strength (mM)	9,99954																
Conductivity (S/m)	0,0569014																
Resistivity (Ohm · m)	17,57425																
Buffer capacity (mM)	11,59495																
EOF marker time (min)	3																
EOF mobility	76,85185																
System eig																	
Mobility ( · 1e-9) Time																	
1 101751 11 0	c (mm)		Allocs			¥ 0								¥			
1 -1,24754e-14 3			🖑 Add BGE			💥 Remo	ve BGE			add a 🧼	analyte			🗶 Ri	emove analyte		
2 2,6259e-06 3		Profile: Conductivi				X Remo	ve BGE				analyte		60 🗸 Auto Inj. z		emove analyte	1	Replot
		Profile: Conductivi				X Remo	ve BGE						60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		Profile: Conductivi				Remo	ve BGE						60 ✔ Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3			ity										60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		Profile: Conductive	ity	Dradi	cted			gram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	ity	Predi	cted		rophero	ogram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	ity	Predi	cted			ogram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	ity	Predi	cted			ogram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	ity	Predi	cted			ogram					60 🗹 Auto Inj. zv		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	ity	Predi	cted			ogram					60 🗹 Auto Inj. zv		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 - (E/S) A	ity	Predi	cted			ogram					60 🗹 Auto Inj. zv		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	ity	Predi	cted			ogram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		0,0575 -	ity	Predi	cted (			ogram					60 🗹 Auto Inj. zi		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	ity	Predi	cted			ogram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3		Conductivity (S/m)	ity	Predi	cted (			ogram					60 🗹 Auto Inj. z		emove analyte	1	Replot
2 2,6259e-06 3 3 -0,666778 3,026	526	Conductivity (S/m)	ity	Predi	cted (				-	Plot		2,5	60 🗹 Auto Inj. z			1	Replot
2 2,6259e-06 3		Conductivity (S/m)	ity		cted (	elect	ropherc			Plot			60 🗹 Auto Inj. zi	one length (mm):			Replot

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Total capillary length (cm)	50	Background compo	sition:						Analytes:										
Effective capillary length (cm)	41,5	Complexations	Туре	Name	c BGE (mM)	) c Sample (mM	) µ Eff ( · 1e-	-9)	Complexations	Туре	Name	c Sample (mM)	μ Eff ( · 1e-9)	Time Max (min)	c Max (mM)	к Max (S/m)	μ EMD (	1e-9)	
Driving voltage (V)	15 000		L	LITHIUM	10	10	36,5818			L	Flurbiprofen	0,2	-10,4163	3,48287	0,14695	0,0561545	-0,392819		
Polarity (at inlet)	Positive •		L	CHES	20	20	-10,855												
EOF	Marker time (min) •		N	Beta-cyclodextrin	5	1e-12	0												
EOF Marker time (min)	3			,															
Nonideality cor	orrections																		
рH	9,50362																		
Ionic strength (mM)	9,99954																		
Conductivity (S/m)	0,0569014																		
Resistivity (Ohm · m)	17,57425																		
Buffer capacity (mM)	11,59495																		
EOF marker time (min)	3																		
EOF mobility	76,85185																		
System eiger	enzones																		
Mobility (· 1e-9) Time (	(min)			Yo	ou ca	n char	nge ti	ne initial											
1 -1,24754e-14 3			4					ength.			an 🖉 🦑	nalyte			🗶 F	Remove analyte			
2 2,6259e-06 3		Profile: Conductiv			injec		onei	engui.						🛐 🔽 Auto Inj. z	ana langth (mm)		1	Replot	-
3 -0,666778 3,0262	26	Profile: Conductiv	vity								Hotel			Auto Inj. 2	one length (mm):		1	Replot	1
		-							_										
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		<u>.</u>						Replot	to see th	he	chan	σe							
		Conductivity (S/m)						nepio			ciiuii	50.			Л				
		j j					L								- M		11		
		Ĕ.													1		Υ I		
		- 1																	
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		1			0,5		1		.5		2		2,5		3		3,5		
Eigenzone details	Ionic composition				0,5	1 1	1		,5 time	e (mi			2,5		3		3,5		

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Total capillary length (cm)	50			Name	- DCE (14)	c Sample (mM)		A	Analytes:	Tree	Name	- Commits (mAD		Time Max (min)	e May (mM)	v May (Clas)	μ EMD (· 1e-9)	
Effective capillary length (cm)						c sample (mivi)		/	Complexations									
Driving voltage (V)	15 000						36,5818			Ľ	Flurbiprofer	1 0,2	-10,4163	3,47245	0,2	0,0558849	-0,392819	
Polarity (at inlet)	Positive •		L Cł	HES	20	20	-10,855											
EOF	Marker time (min) •		N Be	eta-cyclodextrin	5	1e-12	0											
EOF Marker time (min)	3																	
Nonideality	corrections																	
pH	9,50362																	
Ionic strength (mM)	9,99954																	
Conductivity (S/m)	0,0569014																	
Resistivity (Ohm · m)	17,57425																	
Buffer capacity (mM)	11,59495																	
EOF marker time (min)	3																	
EOF mobility	76,85185																	
System eig	-																	
Mobility ( 1e-9) Time	ie (min)																	
			<u></u>	Add BCE			¥ nor	maua PCE			المارير 🛃	analuta			×	Romaua analuta		
1 -1,24754e-14 3			4	Add BGE			💥 Rer	move BGE			dd 🦃	analyte			X	Remove analyte		
2 2,6259e-06 3		Profile: Conductivit		Add BGE			X Rer	move BGE				analyte Plot cutoff (min):		60 🗸 Auto In	inj. zone length (mr		10	Replot
	626	Profile: Conductivit		Add BGE			X Rer	move BGE						60 🗹 Auto			10	Replot
2 2,6259e-06 3	626	1		Add BGE			X Rer	move BGE						60 🗹 Auto			10	Replot
2 2,6259e-06 3	626	Profile: Conductivit					•				F			60 V Auto I			10	Replot
2 2,6259e-06 3	626	0,058			Cha	nger	•			na	F			60 🗹 Auto			10	Replot
2 2,6259e-06 3	626	0,058			Cha	ngeo	•	ection zo	one le	ng	F			60 V Auto II			10	Replot
2 2,6259e-06 3	626	0,058			Cha	ngec	•		one le	ng	F			60 V Auto II			10	Replot
2 2,6259e-06 3	626	0,058			Cha	ngeo	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	0,058			Cha	ngec	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	0,058			Cha	ngec	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	0,058 - 0,0575 - 0,0575 - 0,0577 -			Cha	ngec	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	1			Cha	ngec	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	0,058 - 0,0575 - 0,0575 - 0,0577 -			Cha	ngec	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	Conductivity (S/m)			Cha	ngec	•		one le	ng	F			60 V Auto 1			10	Replot
2 2,6259e-06 3	626	0,058 - 0,0575 - 0,0575 - 0,0577 -			Cha	ngec	•		one le	ng	F			60 V Auto 1				Replot
2 2,6259e-06 3 3 -0,666778 3,026		Conductivity (S/m)			Cha <sub>0,5</sub>	ngec	•				<b>th.</b>		 	60 V Auto 1			10	Replot
2 2,6259e-06 3	626 Ionic composition	Conductivity (S/m) Conductivity (S/m) Conduc				ngec	l inje	ection zo		ng ne (rr	<b>th.</b>			60 V Auto	nj. zone length (m			Replot



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		Background composi	rition						Analytes:									
Total capillary length (cm)	50	Complexations		Name	c PCE (mM)	c Sample (mM)			Complexations	Tune	Name	c Samula (mM)	u Eff ( , 10 0)	Time Max (min)	c Max (mM)	к Max (S/m)	μ EMD ( · 1e-9)	
Effective capillary length (cm)	41,5				10	10	36,5818		Complexations		Flurbiprofen		-10,4163	3,47245	0,2	0,0558849	-0,392819	,,
Driving voltage (V)	15 000							_			riurbiproren	0,2	-10,4105	3,47243	0,2	0,0330049	-0,592019	
	Positive •					20	-10,855	_										
	Marker time (min) •		N	Beta-cyclodextrin	5	1e-12	0											
EOF Marker time (min)	3																	
Nonideality co																		
рН	9,50362																	
Ionic strength (mM)	9,99954																	
Conductivity (S/m)	0,0569014																	
Resistivity (Ohm·m)	17,57425																	
Buffer capacity (mM)	11,59495																	
EOF marker time (min)	3																	
EOF mobility	76,85185																	
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			4	Add BGE			💥 Rer	move BGE			🖑 Add a	analyte			×	Remove analyte		
2 2,6259e-06 3		Profile: c (CHES)	4	Add BGE			X Rer	move BGE						60 🗸 Auto II				Replot
	26	Profile: c (CHES)	4	Add BGE			X Rer	move BGE				analyte lot cutoff (min):		60 🗹 Auto I	nj. zone length (m			Replot
2 2,6259e-06 3	26	Profile: c (CHES)	4	Add BGE			X Rer	move BGE						60 🗹 Auto I				Replot
2 2,6259e-06 3	26		4	Add BGE			X Ref	move BGE						60 ✔ Auto In				Replot
2 2,6259e-06 3	26		4				•		file di		P	lot cutoff (min):		60 V Auto I				Replot
2 2,6259e-06 3	26	20,3 -			IES (	conce	•		file di	is	P	lot cutoff (min):		60 🗹 Auto I				Replot
2 2,6259e-06 3	26	20,3 -	4		ES o	conce	•	nove BGE	file di	is	P	lot cutoff (min):		60 V Auto I				Replot
2 2,6259e-06 3	26	20,3 -			ES o	conce	•		file di	is	P	lot cutoff (min):		60 V Auto I				Replot
2 2,6259e-06 3	26	20,3 -	4		IES (	conce	•		file di	is	P	lot cutoff (min):		60 🗹 Auto I				Replot
2 2,6259e-06 3	26	20,3 - 20,2 - 20,2 - SE SU,1 - SE SU,1 - SE SU,1 - SE SU,2 - SE SU			IES (	conco	•		file di	is	P	lot cutoff (min):		60 🗹 Auto I				Replot
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2 2,6259e-06 3	26	20,3 - 20,2 - 20,2 - SE 20,1 - SE 20,1 - SE 20, - - - - - - - - - - - - - - - - - - -			IES (	conco	•		<mark>file d</mark> i	isı	P	lot cutoff (min):		60 🗹 Auto 1				Replot
2 2,6259e-06 3	26	20,3 - 20,2 - 20,2 - SE 20,1 - SE 20,1 - SE 20, - SE 20, - - - - - - - - - - - - - - - - - - -	4		IES (	conco	•		<mark>file d</mark> i	isı	P	lot cutoff (min):		60 Auto 1				Replot
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2 2,6259e-06 3	26 Ionic composition	20,3 - 20,2 - 20,2 - SE 20,1 - SE 20,1 - SE 20, - - - - - - - - - - - - - - - - - - -		СН	IES (	conco	•		file di		play	lot cutoff (min):	2,5	60 🗹 Auto I				Replot
2 2,6259e-06 3 3 -0,666778 3,0262		20,3 20,2 20,2 20,1 20,1 20,1 19,9 19,8 19,7		СН		conce	entra	ation pro			play	lot cutoff (min):	2,5	60 🗹 Auto I	nj. zone length (m			Replot

