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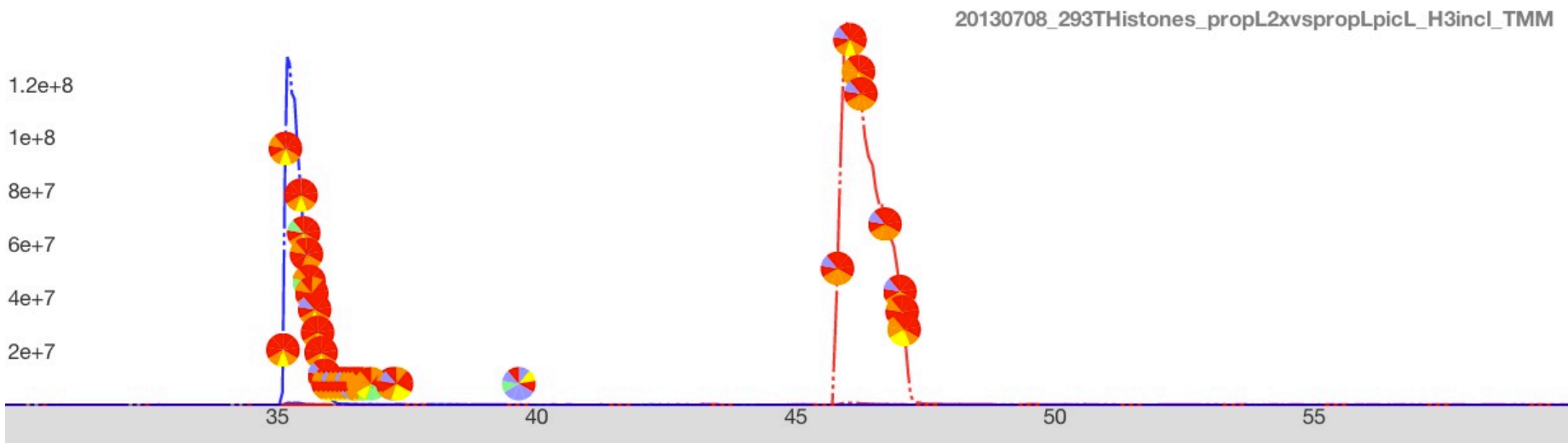
**H3\_Y41-R49**

**YRPGTVALR**

(Standard peptide)

# H3\_Y41-R49: YRPGTVALR

id list per inj.	peptide	1+	2+	3+
20130708_293THistone	YRPGTVALR	1088.621	544.814	363.545
20130708_293THistone	YRPGTVALR	1151.632	576.320	384.549



## Quanti event: 32.6-50.6min

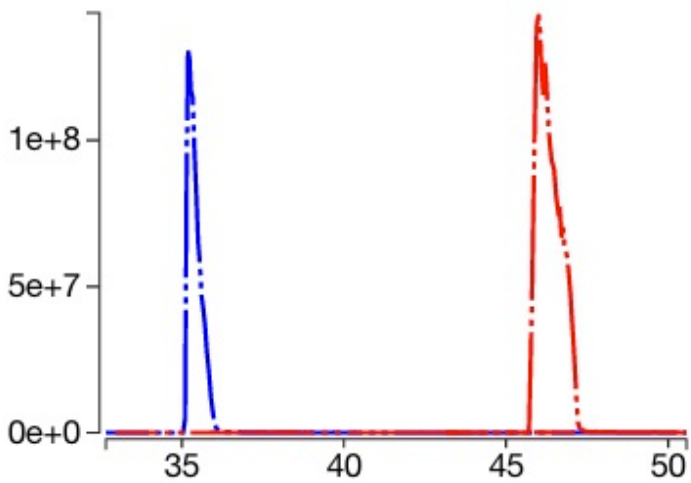
injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTVALR	2	544.8142	3.4e+9
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTVALR	2	576.3196	7.2e+9
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTVALR	3	363.5452	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTVALR	3	384.5488	3.2e+6

## AUC ratio /

injection	charge	auc ratio
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	2	0.466
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	3	0.000

## AUC ratio summary

peptide ref	RT min	RTMax	total intensity	ratio (log2)	std (relative)
YRPGTVALR	32.6	50.6	1.1e+10	-1.1	0.00



# H3\_Y41-R49: Prop-YRPGTVALR MS/MS

**Experimental spectrum**

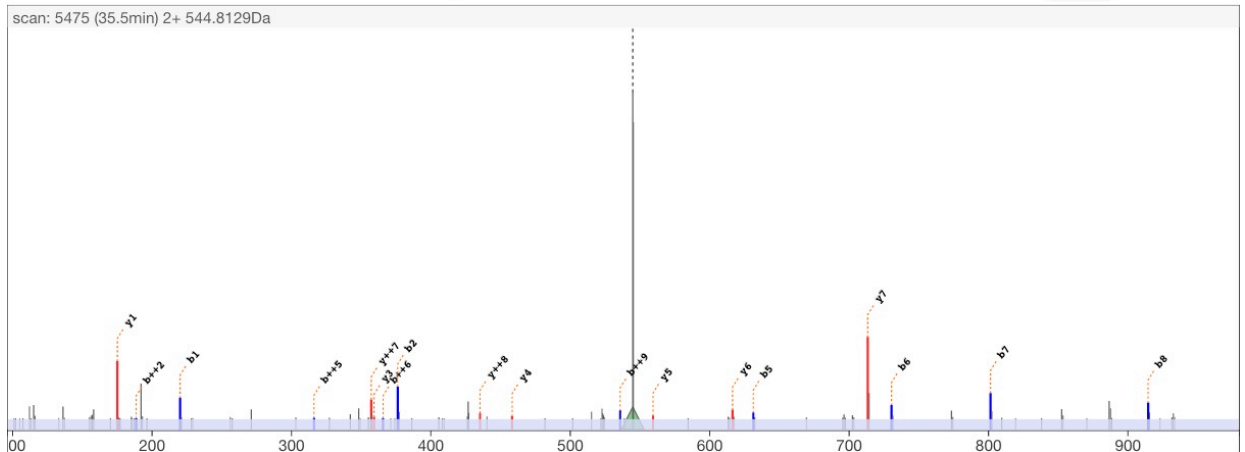
scan 5475  
 retention time 35.5min  
 precursor m/z 544.8129  
 precursor charge 2+

**Theoretical**

M H<sup>2+</sup> 544.8142  
 MH Δ<sub>mass</sub> Da -0.0025  
 MH Δ<sub>mass</sub> ppm -2.3

**edit peptide**

{Propionyl}YRPGTVALR align



	b++	b		y	y++
			Propionyl	1032.59	516.80
1	110.55	220.10	Y	869.53	435.27
2	188.60	376.20	R	713.43	357.22
3	237.13	473.25	P	616.38	308.69
4	265.64	530.27	G	559.36	280.18
5	316.16	631.32	T	458.31	229.66
6	365.70	730.39	V	359.24	180.12
7	401.22	801.43	A	288.20	144.61
8	457.76	914.51	L	175.12	88.06
9	535.81	1070.61	R		

# H3\_Y41-R49: PIC-YRPGTVALR MS/MS

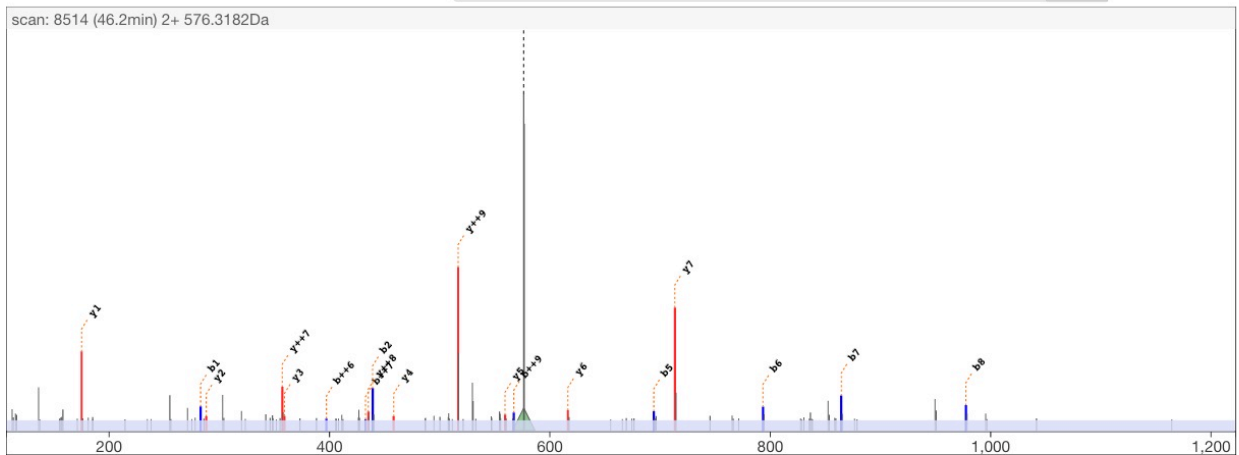
### Experimental spectrum

scan 8514  
 retention time 46.2min  
 precursor m/z 576.3182  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 576.3196  
 MH  $\Delta_{mass}$  Da -0.0028  
 MH  $\Delta_{mass}$  ppm -2.4

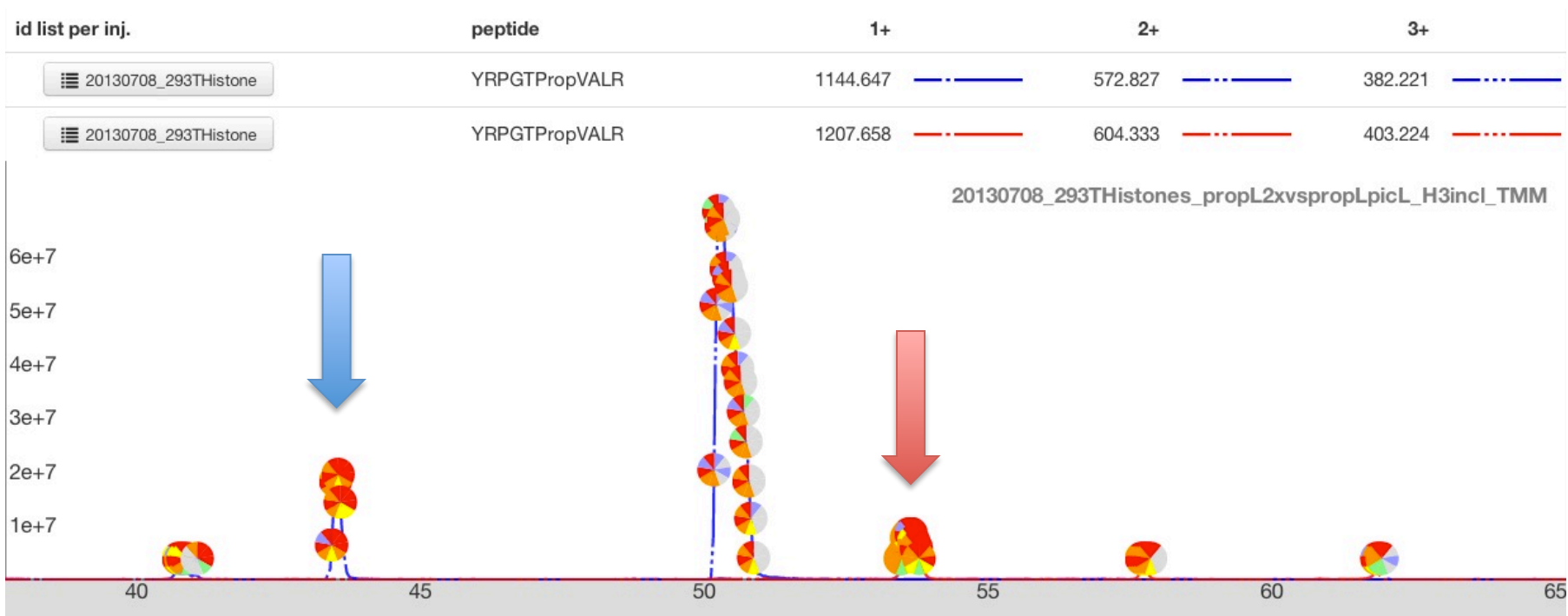
### edit peptide



	b++	b	PIC	y	y++	
	60.53	120.04	Y	1032.59	516.80	9
1	142.06	283.11	R	869.53	435.27	8
2	220.11	439.21	P	713.43	357.22	7
3	268.63	536.26	G	616.38	308.69	6
4	297.15	593.28	T	559.36	280.18	5
5	347.67	694.33	V	458.31	229.66	4
6	397.20	793.40	A	359.24	180.12	3
7	432.72	864.44	L	288.20	144.61	2
8	489.26	977.52	R	175.12	88.06	1
9	567.31	1133.62				

# H3\_Y41-R49:

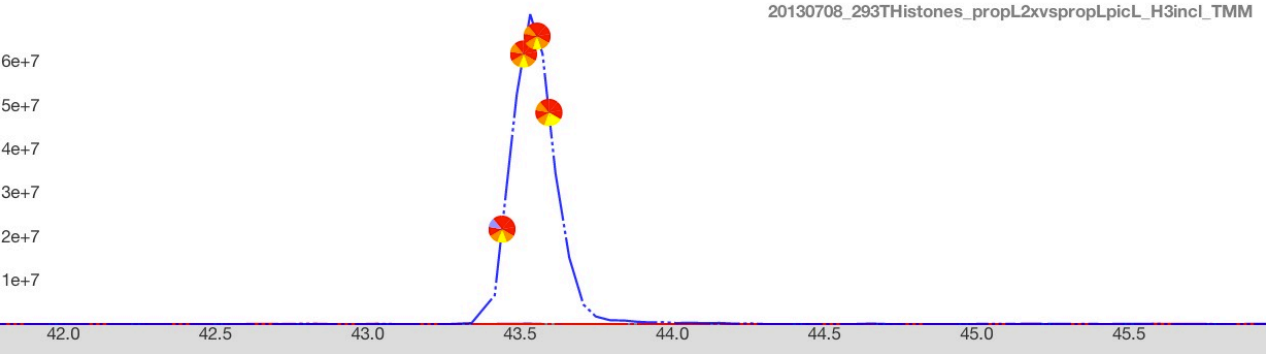
## YRPGT**Prop**VALR



# H3\_Y41-R49\_T-prop: YRPGTPropVALR

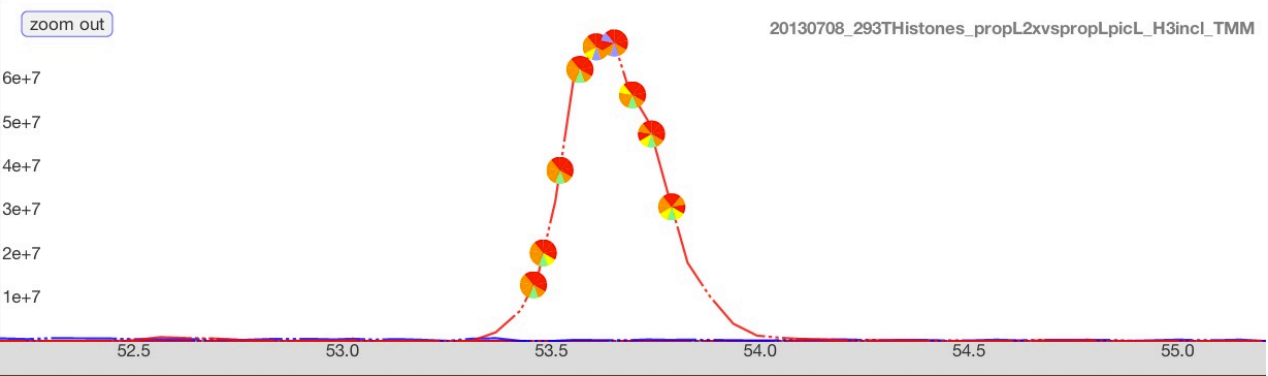
← previous peptide      next peptide →

id list per inj.	peptide	1+	2+	3+
20130708_293THistone	YRPGTPropVALR	1144.647	572.827	382.221
20130708_293THistone	YRPGTPropVALR	1207.658	604.333	403.224



id list per inj.	peptide	1+	2+	3+
20130708_293THistone	YRPGTPropVALR	1144.647	572.827	382.221
20130708_293THistone	YRPGTPropVALR	1207.658	604.333	403.224

zoom out





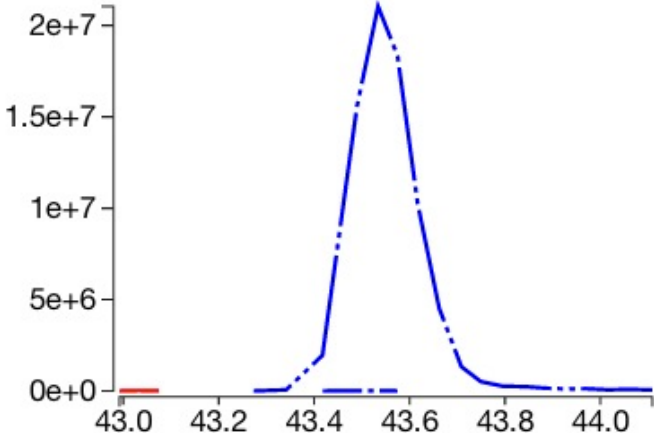
# H3\_Y41-R49\_T-prop: YRPGTPropVALR

## Quanti event: 42.9-44.1min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	1	1144.6473	1.1e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	1	1207.6582	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	2	572.8273	2.1e+8
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	2	604.3327	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	3	382.2206	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	3	403.2243	6.6e+4

### AUC ratio /

injection	charge	auc ratio
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	1	Infinity
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	2	Infinity
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	3	0.000

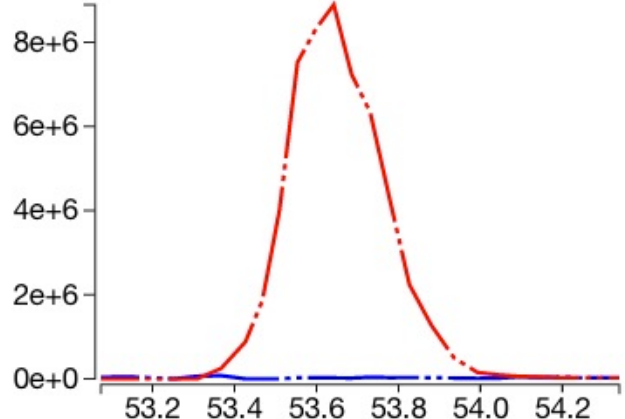


## Quanti event: 53.0-54.4min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	1	1144.6473	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	1	1207.6582	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	2	572.8273	2.1e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	2	604.3327	1.5e+8
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	3	382.2206	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YRPGTPropVALR	3	403.2243	0.0e+0

### AUC ratio /

injection	charge	auc ratio
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	1	NaN
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	2	0.015
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	3	NaN



# H3\_Y41-R49\_T-prop: Prop-YRPGTPropVALR MS/MS

### Experimental spectrum

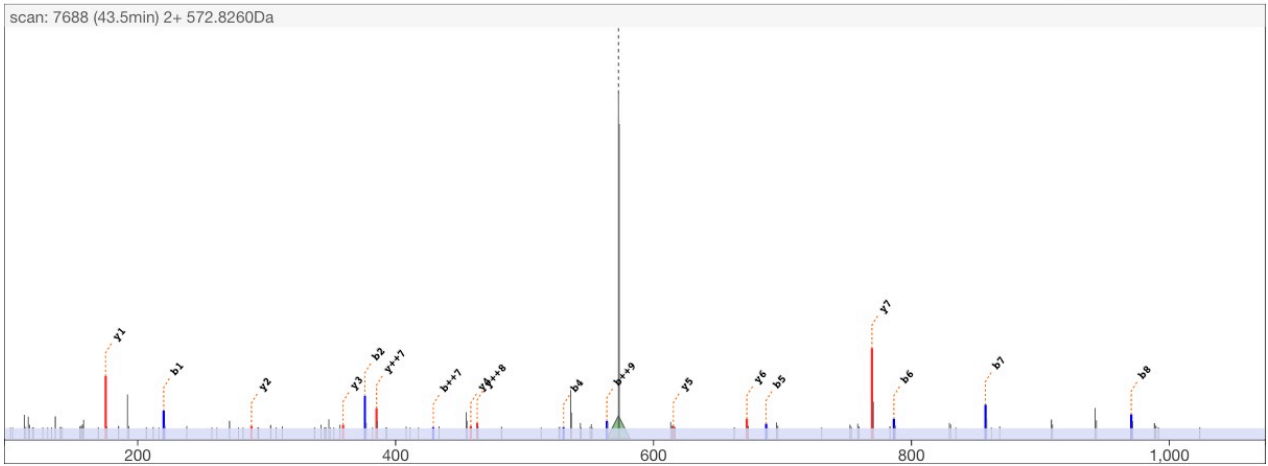
scan 7688  
 retention time 43.6min  
 precursor m/z 572.8260  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 572.8273  
 MH  $\Delta_{mass}$  Da -0.0026  
 MH  $\Delta_{mass}$  ppm -2.3

### edit peptide

{Propionyl}YRPGT{Propionyl}VALR align



	b++	b		y	y++	
			Propionyl	1088.62	544.81	9
1	110.55	220.10	Y	925.56	463.28	8
2	188.60	376.20	R	769.46	385.23	7
3	237.13	473.25	P	672.40	336.71	6
4	265.64	530.27	G	615.38	308.19	5
5	344.18	687.35	T	458.31	229.66	4
6	393.71	786.41	Propionyl	359.24	180.12	3
7	429.23	857.45	V	288.20	144.61	2
8	485.77	970.54	A	175.12	88.06	1
9	563.82	1126.64	R			

# H3\_Y41-R49\_T-prop: PIC-YRPGTPropVALR MS/MS

### Experimental spectrum

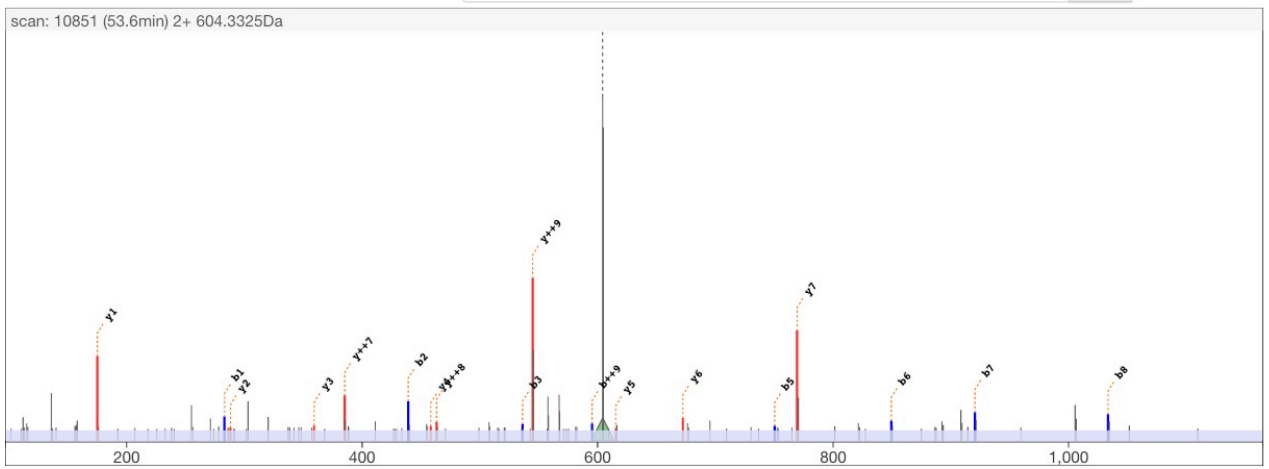
scan 10851  
 retention time 53.6min  
 precursor m/z 604.3325  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 604.3327  
 MH  $\Delta_{mass}$  Da -0.0004  
 MH  $\Delta_{mass}$  ppm -0.4

### edit peptide

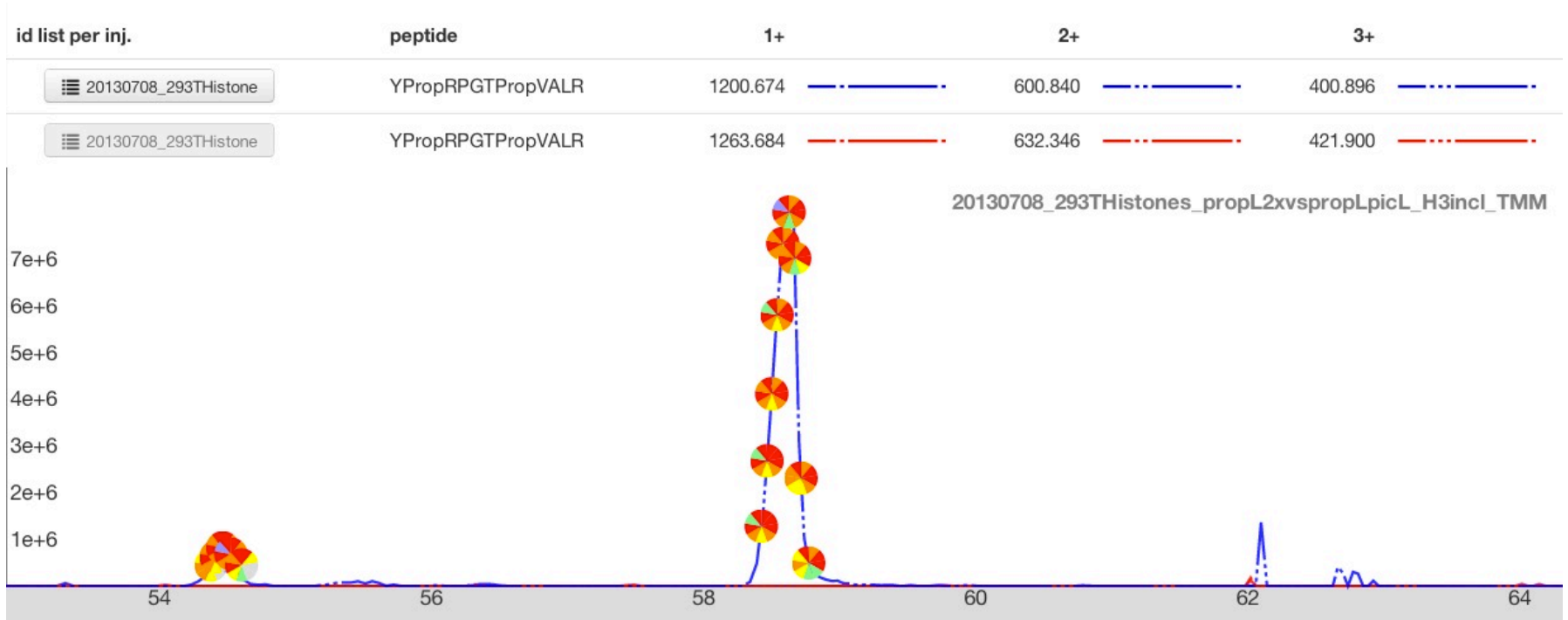
{PIC}YRPGT{Propionyl}VALR align



	b++	b		y	y++	
	60.53	120.04	PIC	1088.62	544.81	9
1	142.06	283.11	Y	925.56	463.28	8
2	220.11	439.21	R	769.46	385.23	7
3	268.63	536.26	P	672.40	336.71	6
4	297.15	593.28	G	615.38	308.19	5
5	375.68	750.36	T	458.31	229.66	4
6	425.22	849.43	Propionyl	359.24	180.12	3
7	460.73	920.46	V	288.20	144.61	2
8	517.28	1033.55	A	175.12	88.06	1
9	595.33	1189.65	L			
			R			

# H3\_Y41-R49:

# YPropRPGTPropVALR

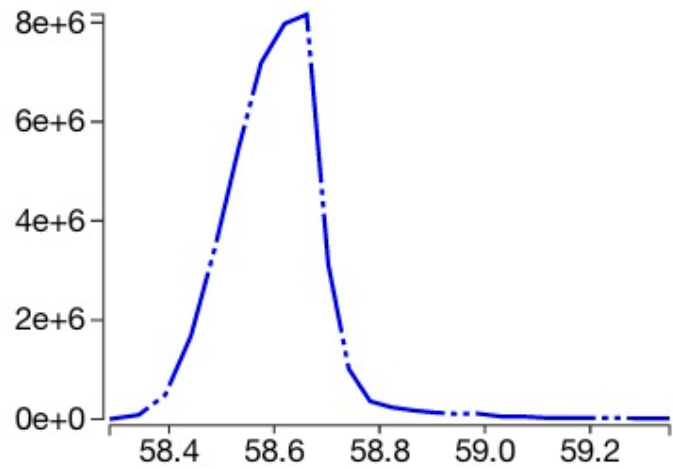


## Quanti event: 58.2-59.1min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YPropRPGTPropVALR	1	1200.6735	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YPropRPGTPropVALR	1	1263.6844	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YPropRPGTPropVALR	2	600.8404	1.0e+8
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YPropRPGTPropVALR	2	632.3459	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YPropRPGTPropVALR	3	400.8960	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	YPropRPGTPropVALR	3	421.8997	0.0e+0

## AUC ratio /

injection	charge	auc ratio
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	1	NaN
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	2	Infinity
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	3	NaN



No peaks detected for PIC-labeling.

# H3\_Y41-R49\_Y&T-prop: Y(Prop)RPGT(Prop)VALR

## Experimental spectrum

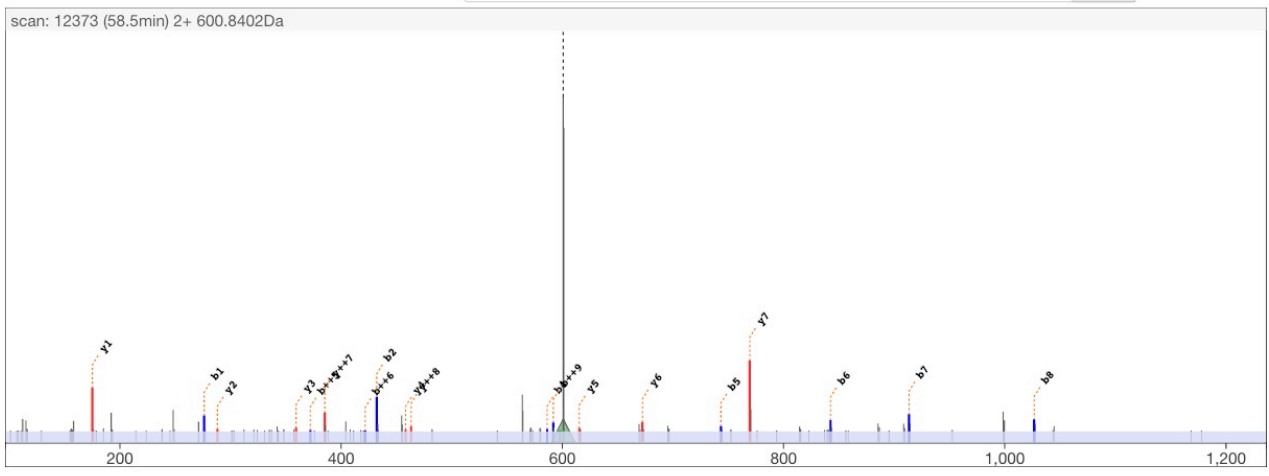
scan 12373  
 retention time 58.5min  
 precursor m/z 600.8402  
 precursor charge 2+

## Theoretical

M H<sup>2+</sup> 600.8404  
 MH Δ<sub>mass</sub> Da -0.0004  
 MH Δ<sub>mass</sub> ppm -0.3

## edit peptide

{Propionyl}Y{Propionyl}RPGT{Propionyl}VALR align

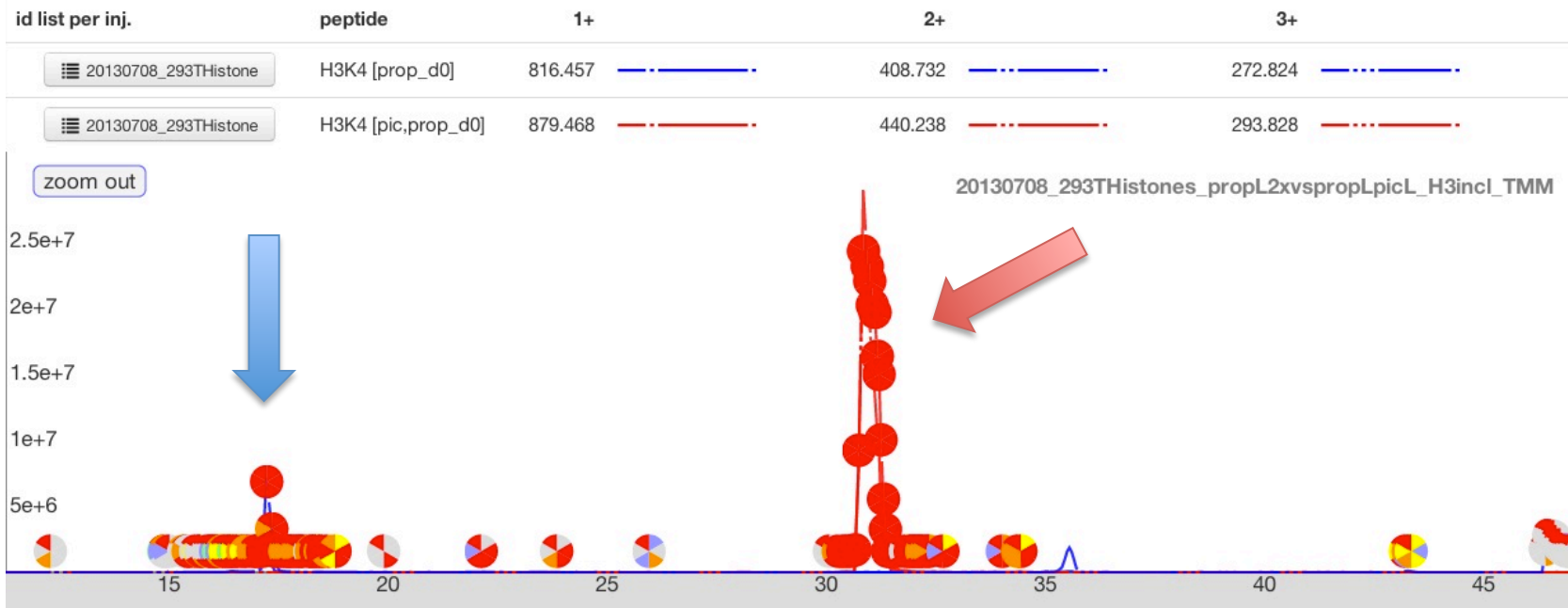


	b++	b		y	y++	
			Propionyl	1144.65	572.83	9
1	138.57	276.12	Y			
			Propionyl	925.56	463.28	8
2	216.62	432.22	R			
			P	769.46	385.23	7
3	265.14	529.28	G			
			T	672.40	336.71	6
4	293.65	586.30	V			
			Propionyl	615.38	308.19	5
5	372.19	743.37	A			
			V	458.31	229.66	4
6	421.72	842.44	L			
			A	359.24	180.12	3
7	457.24	913.48	R			
			L	288.20	144.61	2
8	513.78	1026.56	R			
			R	175.12	88.06	1
9	591.84	1182.66				

H3\_T3-R8

TKQ TAR

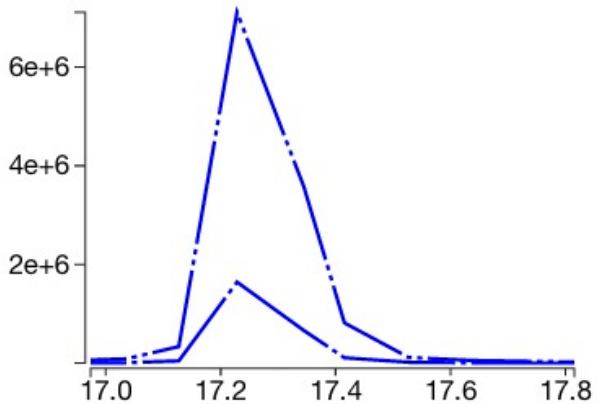
# H3\_T3-R8: TKQ TAR





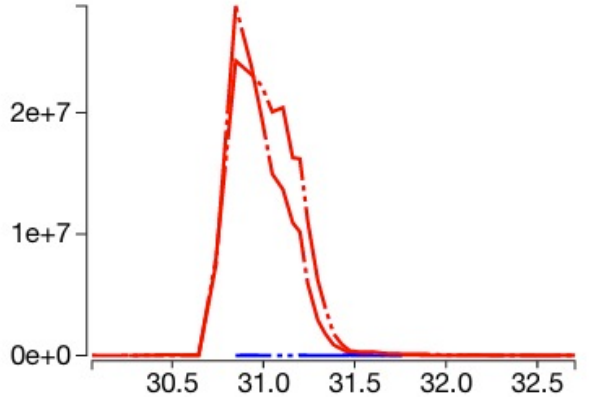
## Quanti event: 16.9-17.8min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [prop_d0]	1	816.4574	1.6e+7
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [pic,prop_d0]	1	879.4683	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [prop_d0]	2	408.7323	7.5e+7
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [pic,prop_d0]	2	440.2378	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [prop_d0]	3	272.8240	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [pic,prop_d0]	3	293.8276	0.0e+0



## Quanti event: 30.0-32.7min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [prop_d0]	1	816.4574	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [pic,prop_d0]	1	879.4683	5.7e+8
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [prop_d0]	2	408.7323	2.3e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [pic,prop_d0]	2	440.2378	6.6e+8
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [prop_d0]	3	272.8240	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4 [pic,prop_d0]	3	293.8276	0.0e+0



# H3\_T3-R8: Prop-TKQ TAR MS/MS

### Experimental spectrum

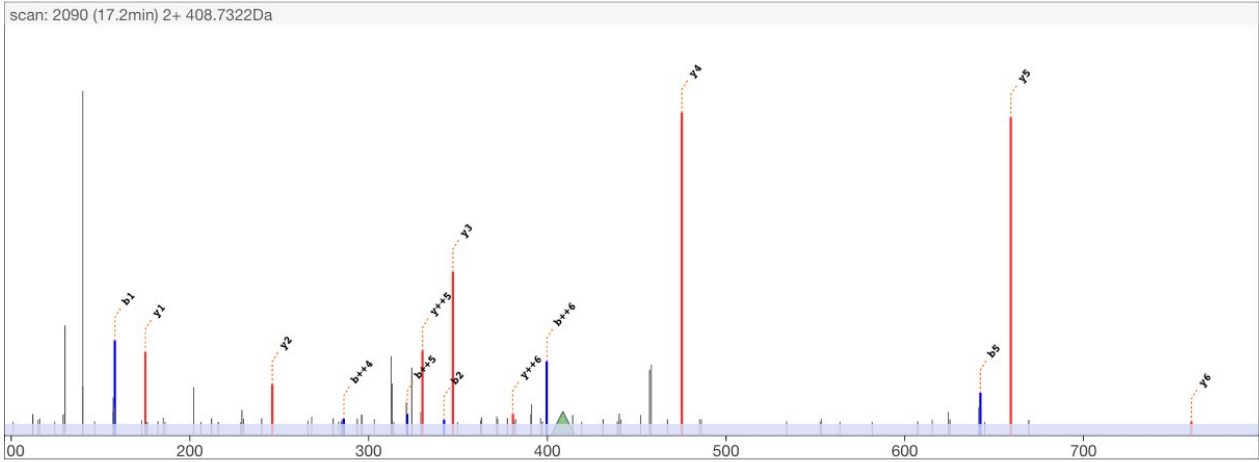
scan 2090  
 retention time 17.2min  
 precursor m/z 408.7322  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 408.7323  
 MH Δ<sub>mass</sub> Da -0.0002  
 MH Δ<sub>mass</sub> ppm -0.2

### edit peptide

{Propionyl}TK{Propionyl}QTAR align



140Da diagnostic ion

	b++	b		y	y++	
			Propionyl	760.43	380.72	6
1	79.54	158.08	T	659.38	330.20	5
2	171.60	342.20	K	475.26	238.13	4
3	235.63	470.26	Propionyl	347.20	174.11	3
4	286.16	571.31	Q	246.16	123.58	2
5	321.68	642.35	T	175.12	88.06	1
6	399.73	798.45	A			
			R			

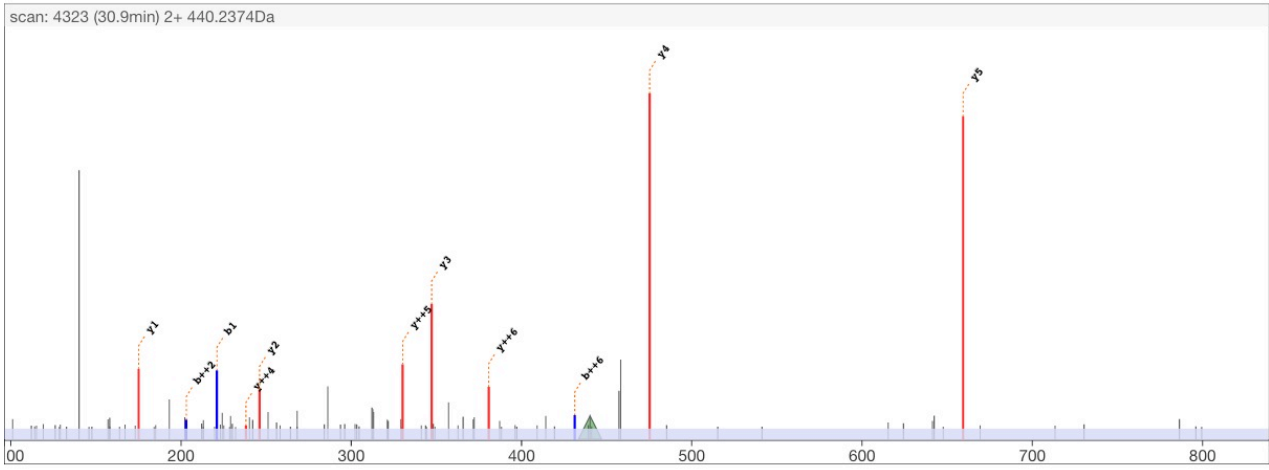
# H3\_T3-R8: PIC-TKQATAR MS/MS

**Experimental spectrum**  
 scan 4323  
 retention time 30.9min  
 precursor m/z 440.2374  
 precursor charge 2+

**Theoretical**  
 M H<sup>2+</sup> 440.2378  
 MH Δ<sub>mass</sub> Da -0.0008  
 MH Δ<sub>mass</sub> ppm -1.0

**edit peptide**

{PIC}TK{Propionyl}QATAR align

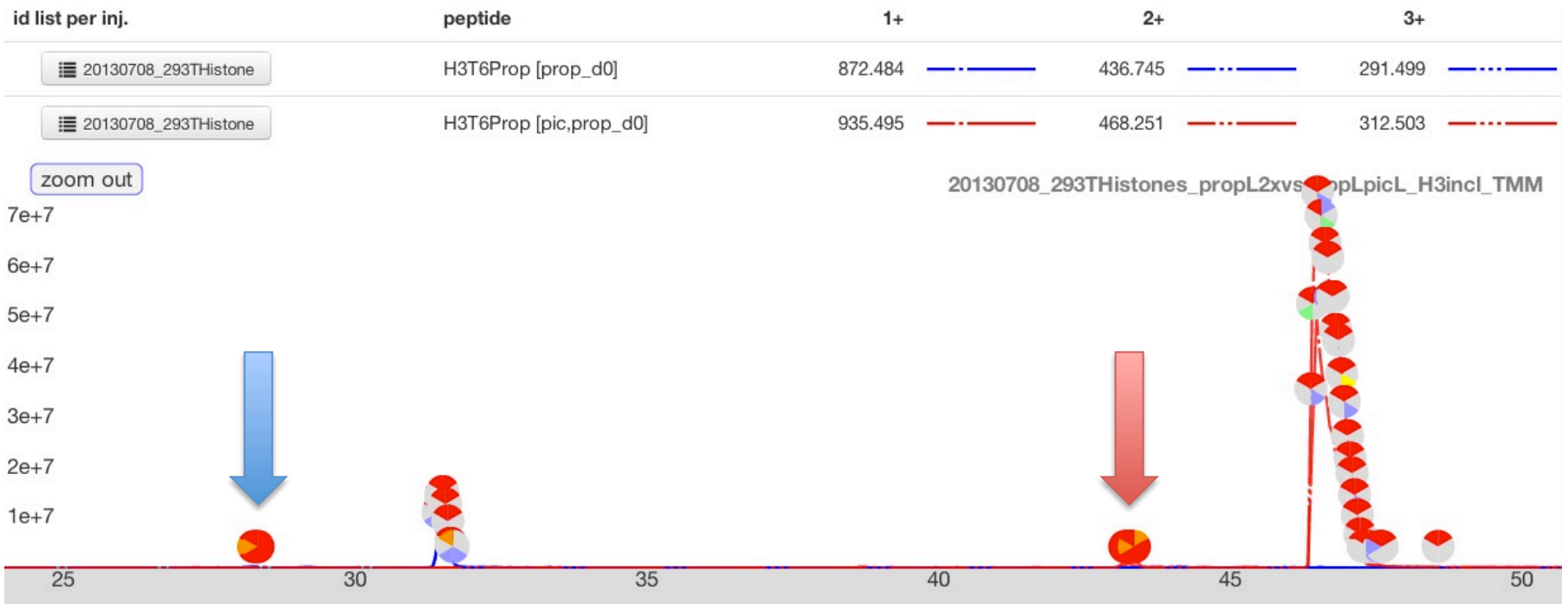


140Da diagnostic ion

	b++	b		y	y++	
	60.53	120.04	PIC	760.43	380.72	6
1	111.05	221.09	T	659.38	330.20	5
2	203.11	405.21	K	475.26	238.13	4
3	267.14	533.27	Propionyl	347.20	174.11	3
4	317.66	634.32	Q	246.16	123.58	2
5	353.18	705.36	T	175.12	88.06	1
6	431.23	861.46	A			
			R			

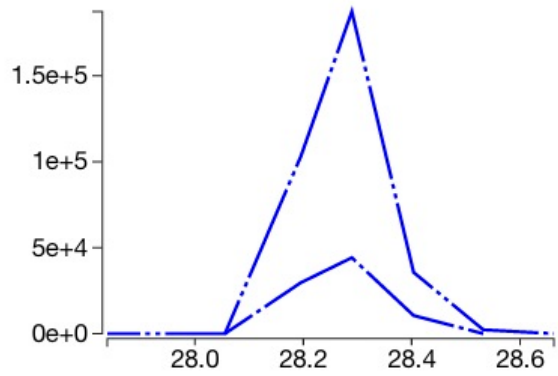
# H3\_T3-R8:

## TKQTPropAR



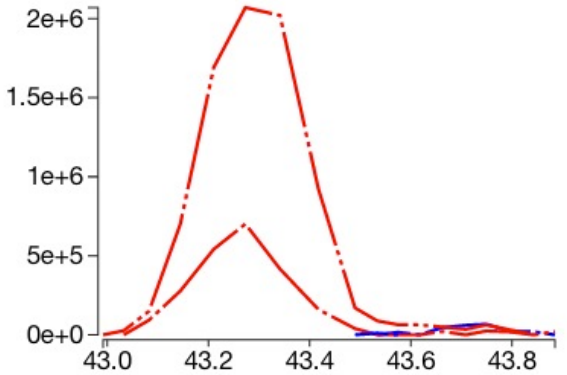
## Quanti event: 27.8-28.7min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [prop_d0]	1	872.4836	5.6e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [pic,prop_d0]	1	935.4945	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [prop_d0]	2	436.7454	2.2e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [pic,prop_d0]	2	468.2509	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [prop_d0]	3	291.4994	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [pic,prop_d0]	3	312.5030	0.0e+0



## Quanti event: 42.8-43.9min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [prop_d0]	1	872.4836	6.1e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [pic,prop_d0]	1	935.4945	9.1e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [prop_d0]	2	436.7454	2.7e+4
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [pic,prop_d0]	2	468.2509	3.2e+7
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [prop_d0]	3	291.4994	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3T6Prop [pic,prop_d0]	3	312.5030	0.0e+0



# H3\_T3-R8: Prop-TKQTPropAR MS/MS

### Experimental spectrum

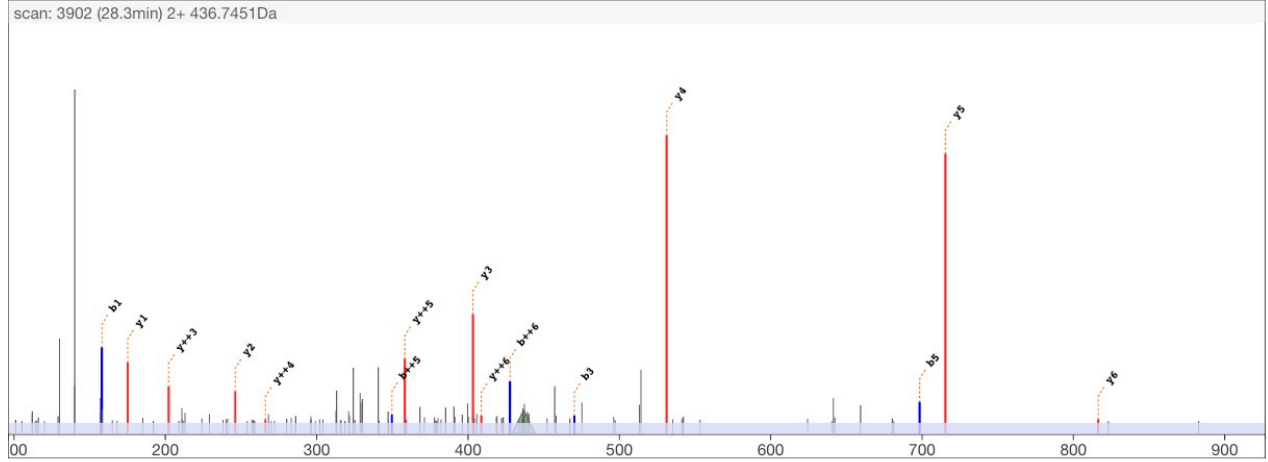
scan 3902  
 retention time 28.3min  
 precursor m/z 436.7451  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 436.7454  
 MH Δ<sub>mass</sub> Da -0.0007  
 MH Δ<sub>mass</sub> ppm -0.7

### edit peptide

{Propionyl}TK{Propionyl}QT{Propionyl}AR align



↑  
 140Da diagnostic ion

	b++	b	y	y++	
			816.46	408.73	6
1	79.54	158.08	715.41	358.21	5
2	171.60	342.20	531.29	266.15	4
3	235.63	470.26	403.23	202.12	3
4	314.17	627.33	246.16	123.58	2
5	349.69	698.37	175.12	88.06	1
6	427.74	854.47			

### Experimental spectrum

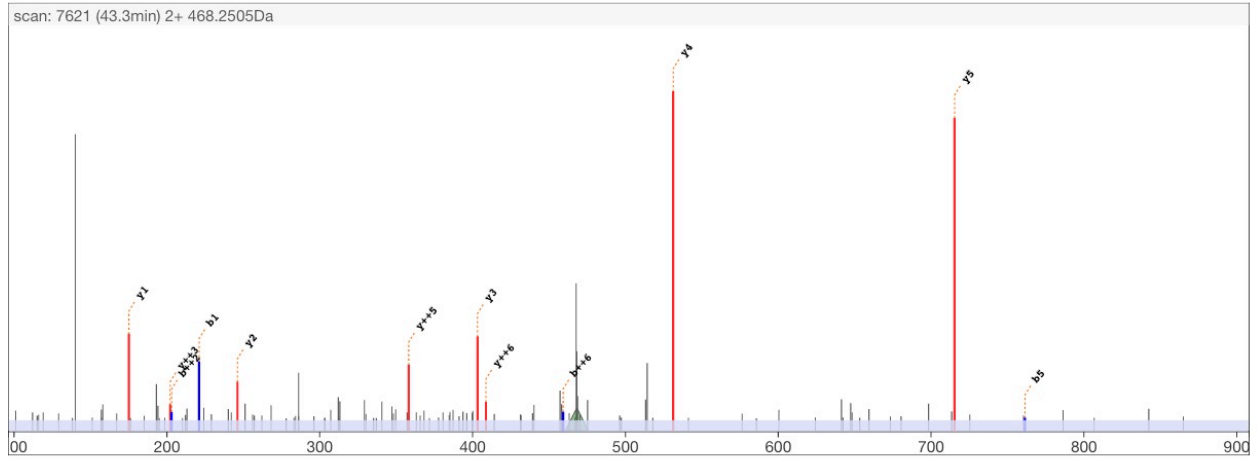
scan 7621  
 retention time 43.3min  
 precursor m/z 468.2505  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 468.2509  
 MH  $\Delta_{mass}$  Da -0.0007  
 MH  $\Delta_{mass}$  ppm -0.8

### edit peptide

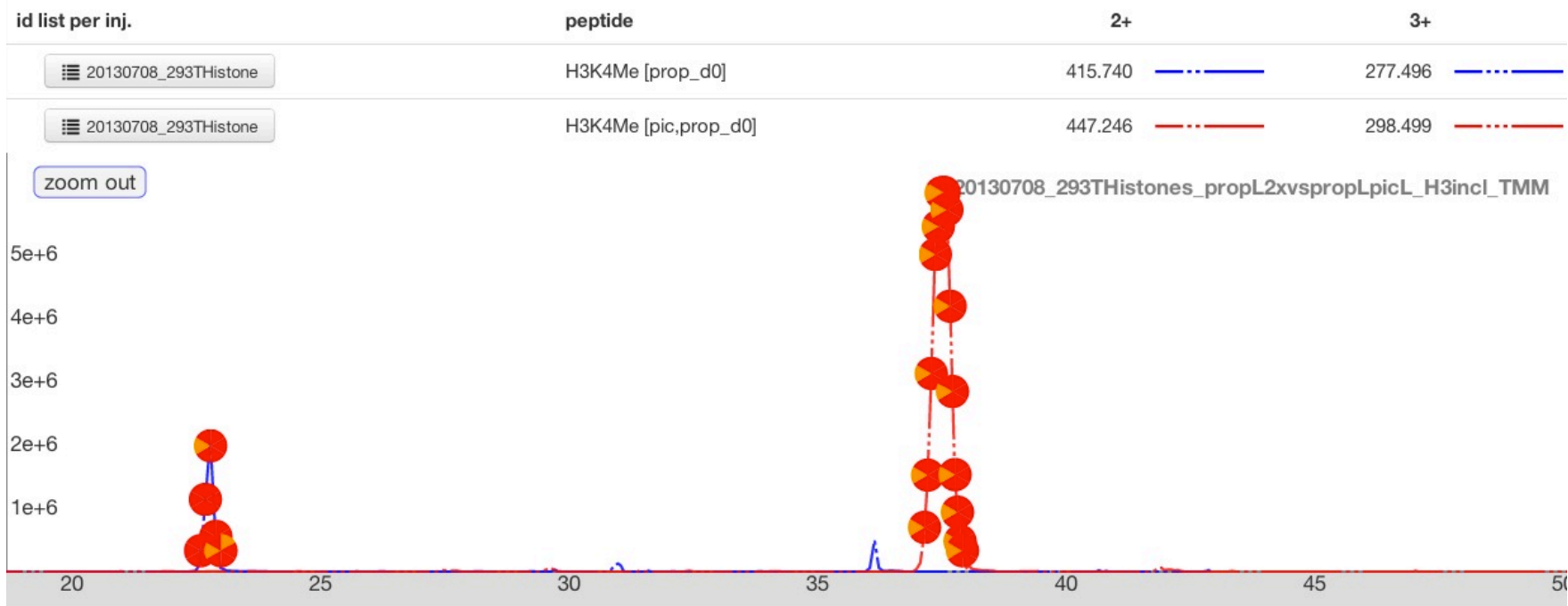
{PIC}TK{Propionyl}QT{Propionyl}AR align



↑  
 140Da diagnostic ion

	b++	b		y	y++	
	60.53	120.04	PIC	816.46	408.73	6
1	111.05	221.09	T	715.41	358.21	5
2	203.11	405.21	K	531.29	266.15	4
3	267.14	533.27	Propionyl	403.23	202.12	3
4	345.68	690.35	T	246.16	123.58	2
5	381.20	761.38	Propionyl	175.12	88.06	1
6	459.25	917.48	A			
			R			

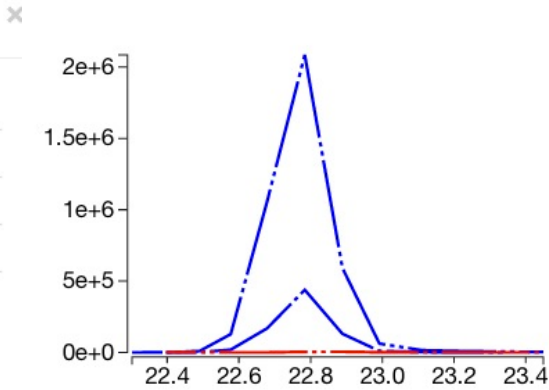
# H3\_T3-R8: TKMe1QTAR





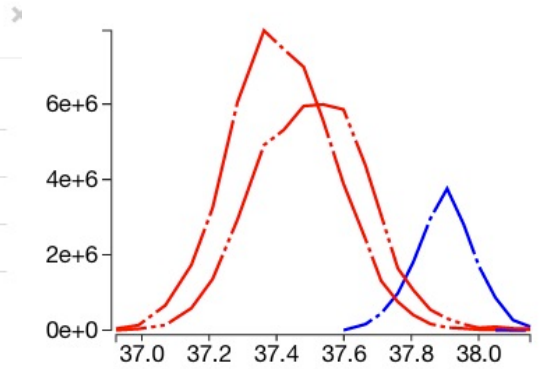
## Quanti event: 22.2-23.5min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [prop_d0]	1	830.4730	4.8e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [pic,prop_d0]	1	893.4839	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [prop_d0]	2	415.7402	2.5e+7
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [pic,prop_d0]	2	447.2456	7.9e+4



## Quanti event: 36.9-38.2min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [prop_d0]	1	830.4730	4.6e+7
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [pic,prop_d0]	1	893.4839	1.9e+8
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [prop_d0]	2	415.7402	1.1e+4
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me [pic,prop_d0]	2	447.2456	1.6e+8



# H3\_T3-R8: Prop-TKMe1QTAR MS/MS

### Experimental spectrum

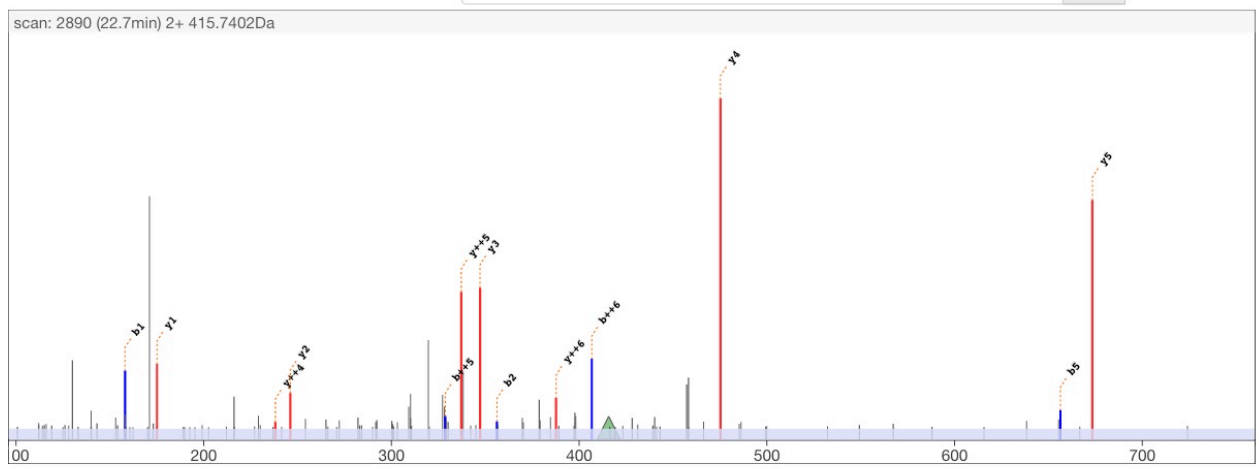
scan 2890  
 retention time 22.7min  
 precursor m/z 415.7402  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 415.7402  
 MH Δ<sub>mass</sub> Da 0.0001  
 MH Δ<sub>mass</sub> ppm 0.1

### edit peptide

{Propionyl}TK{Methyl,Propionyl}QTAR align



↑  
 171Da diagnostic ion

	b++	b		y	y++	
			Propionyl	774.45	387.73	6
1	79.54	158.08	T	673.40	337.20	5
2	178.61	356.22	K	475.26	238.13	4
3	242.64	484.28	Methyl,Propionyl	347.20	174.11	3
4	293.17	585.32	Q	246.16	123.58	2
5	328.68	656.36	T	175.12	88.06	1
6	406.73	812.46	A			
			R			

# H3\_T3-R8: PIC-TKMe1QTAR MS/MS

### Experimental spectrum

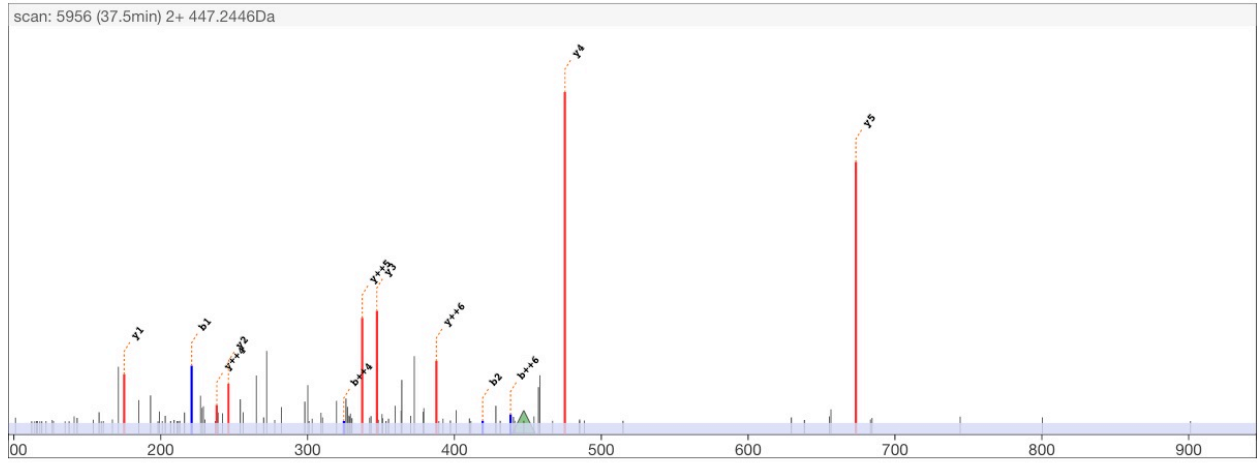
scan 5956  
 retention time 37.5min  
 precursor m/z 447.2446  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 447.2456  
 MH  $\Delta_{mass}$  Da -0.0020  
 MH  $\Delta_{mass}$  ppm -2.2

### edit peptide

{PIC}TK{Methyl,Propionyl}QTAR align

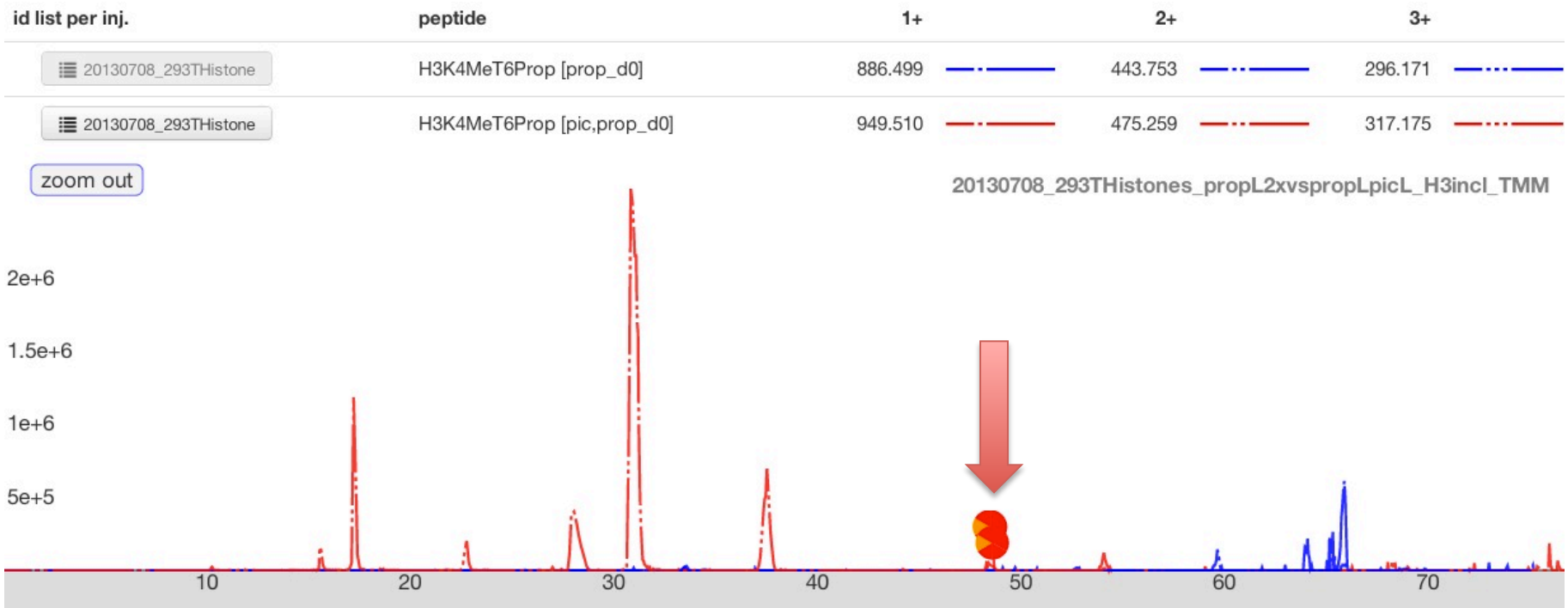


↑  
 171Da diagnostic ion

	b++	b		y	y++	
	60.53	120.04	PIC T K Methyl,Propionyl Q T A R	774.45	387.73	6
1	111.05	221.09		673.40	337.20	5
2	210.12	419.23		475.26	238.13	4
3	274.15	547.29		347.20	174.11	3
4	324.67	648.34		246.16	123.58	2
5	360.19	719.37		175.12	88.06	1
6	438.24	875.47				

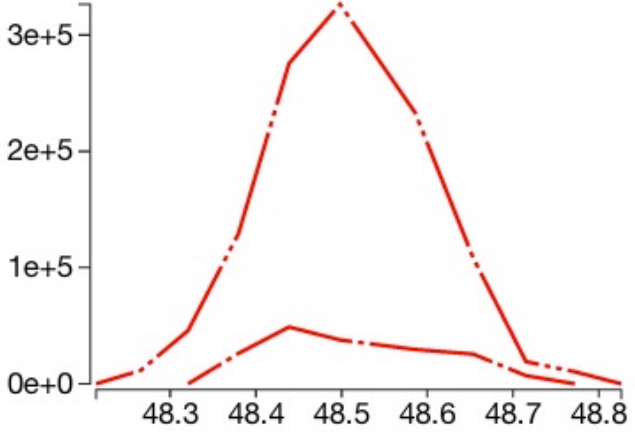
# H3\_T3-R8:

## TKMe1QTPropAR



### Quanti event: 48.0-48.9min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4MeT6Prop [prop_d0]	1	886.4993	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4MeT6Prop [pic,prop_d0]	1	949.5102	6.9e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4MeT6Prop [prop_d0]	2	443.7533	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4MeT6Prop [pic,prop_d0]	2	475.2587	4.7e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4MeT6Prop [prop_d0]	3	296.1713	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4MeT6Prop [pic,prop_d0]	3	317.1749	0.0e+0



No peaks detected for Prop-labeling.

**Experimental spectrum**

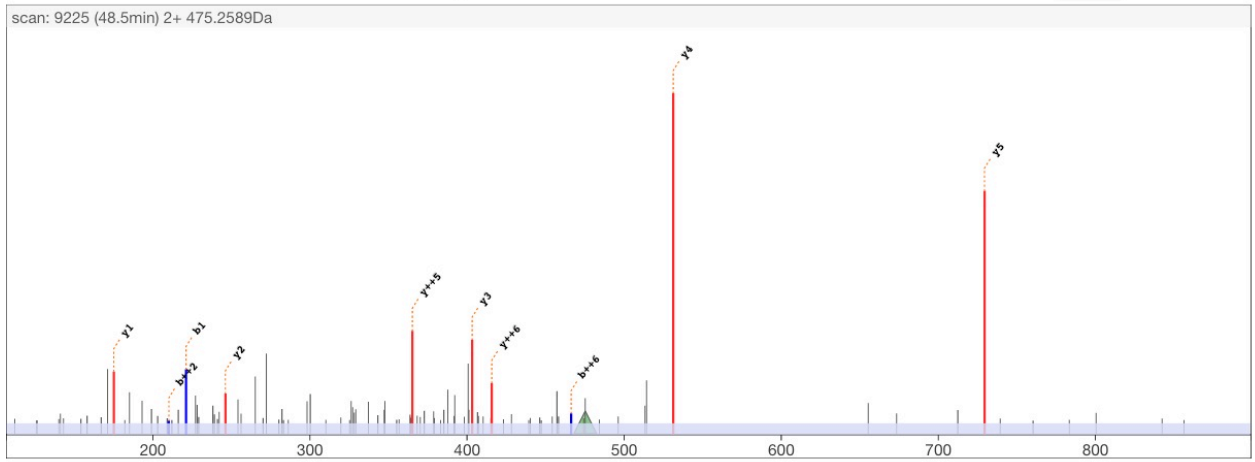
scan 9225  
 retention time 48.5min  
 precursor m/z 475.2589  
 precursor charge 2+

**Theoretical**

M H<sup>2+</sup> 475.2587  
 MH Δ<sub>mass</sub> Da 0.0003  
 MH Δ<sub>mass</sub> ppm 0.3

**edit peptide**

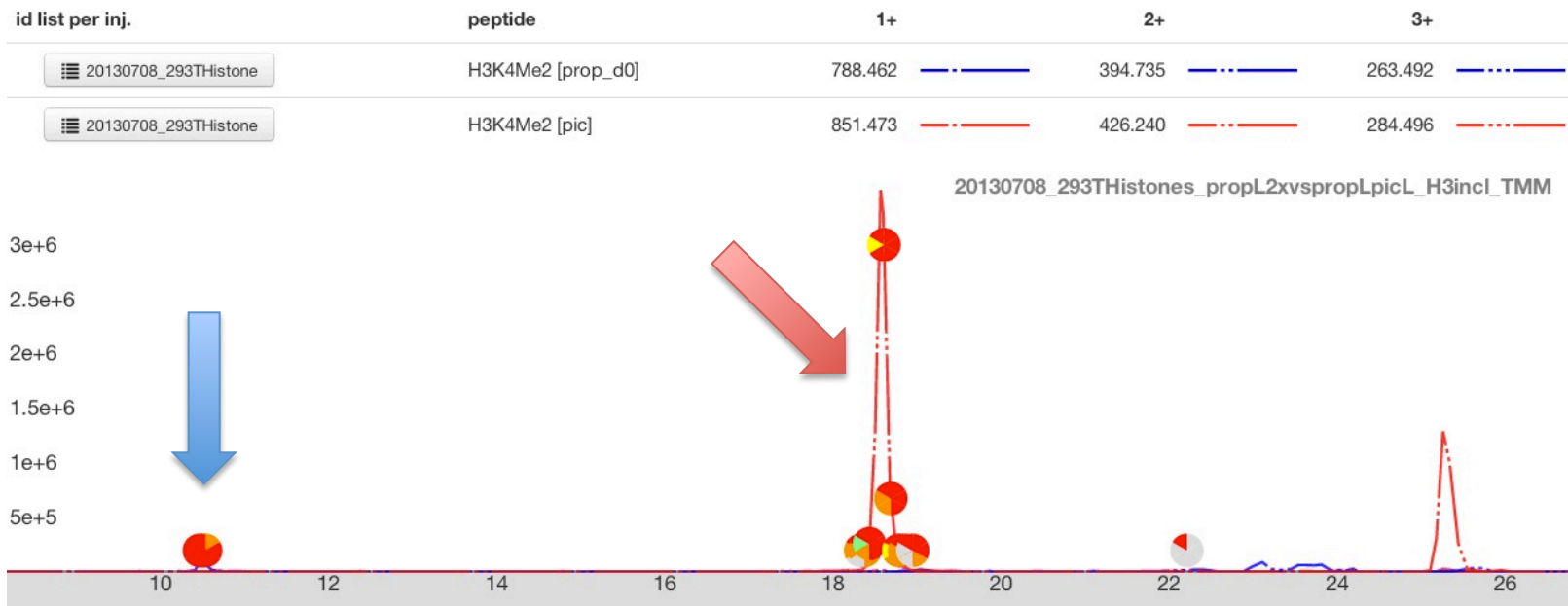
{PIC}TK[Methyl,Propionyl]QT[Propionyl]AR align



↑  
 171Da diagnostic ion

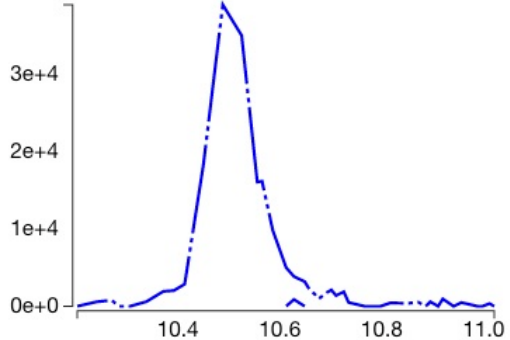
	b++	b		y	y++	
	60.53	120.04	PIC	830.47	415.74	6
1	111.05	221.09	T	729.43	365.22	5
2	210.12	419.23	K	531.29	266.15	4
3	274.15	547.29	Q	403.23	202.12	3
4	352.68	704.36	T	246.16	123.58	2
5	388.20	775.40	A	175.12	88.06	1
6	466.25	931.50	R			

# H3\_T3-R8: TKMe2QTAR



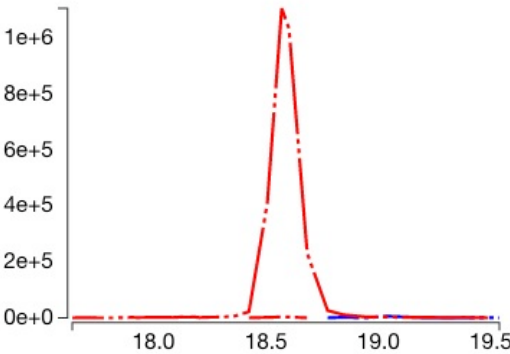
## Quanti event: 10.1-11.1min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [prop_d0]	1	788.4625	9.6e+2
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [pic]	1	851.4734	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [prop_d0]	2	394.7349	2.9e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [pic]	2	426.2403	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [prop_d0]	3	263.4923	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [pic]	3	284.4960	0.0e+0



## Quanti event: 17.5-19.7min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [prop_d0]	1	788.4625	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [pic]	1	851.4734	2.7e+4
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [prop_d0]	2	394.7349	6.2e+4
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [pic]	2	426.2403	1.0e+7
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [prop_d0]	3	263.4923	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me2 [pic]	3	284.4960	0.0e+0





### Experimental spectrum

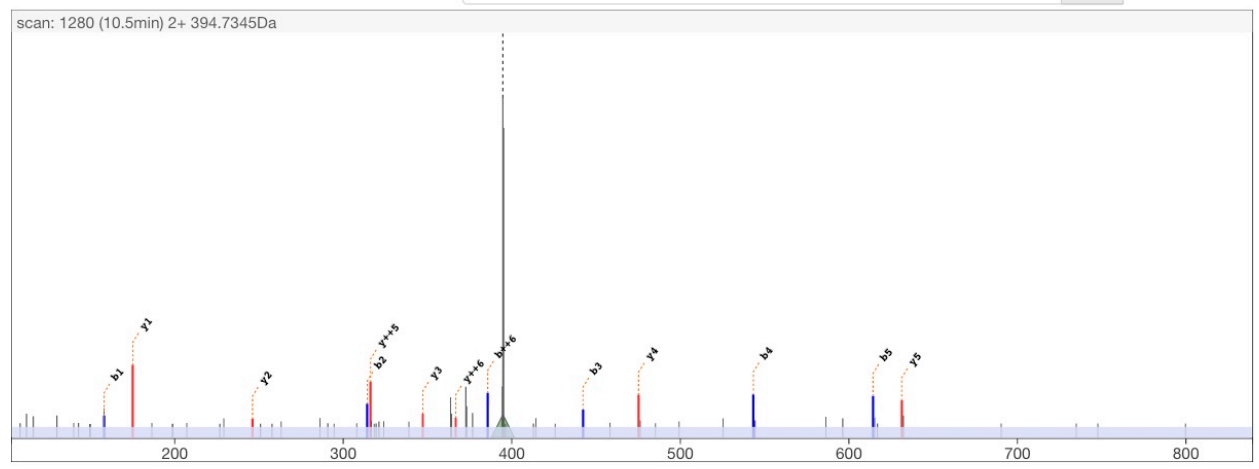
scan 1280  
 retention time 10.5min  
 precursor m/z 394.7345  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 394.7349  
 MH  $\Delta_{mass}$  Da -0.0008  
 MH  $\Delta_{mass}$  ppm -1.0

### edit peptide

{Propionyl}TK{Dimethyl}QTAR



	b++	b		y	y++	
			Propionyl	732.44	366.72	6
1	79.54	158.08	T	631.39	316.20	5
2	157.61	314.21	K	475.26	238.13	4
3	221.64	442.27	Dimethyl Q	347.20	174.11	3
4	272.16	543.31	T	246.16	123.58	2
5	307.68	614.35	A	175.12	88.06	1
6	385.73	770.45	R			

### Experimental spectrum

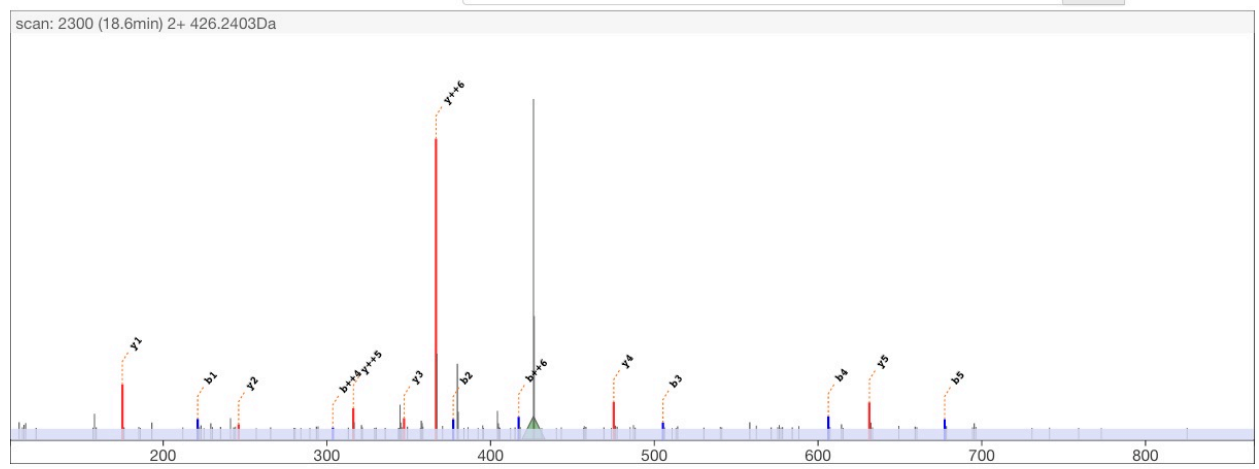
scan 2300  
 retention time 18.6min  
 precursor m/z 426.2403  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 426.2403  
 MH  $\Delta_{mass}$  Da -0.0001  
 MH  $\Delta_{mass}$  ppm -0.1

### edit peptide

{PIC}TK{Dimethyl}QTAR align



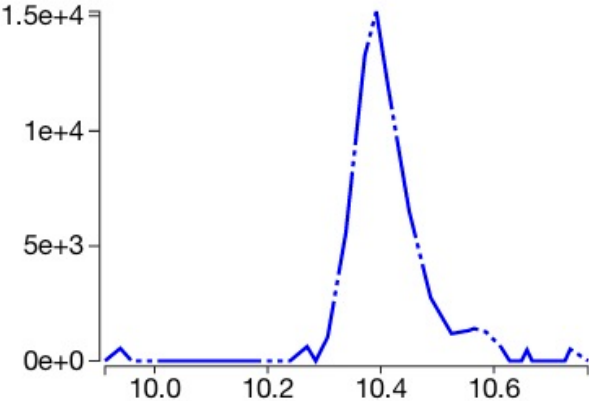
	b++	b		y	y++	
	60.53	120.04	PIC	732.44	366.72	6
1	111.05	221.09	T	631.39	316.20	5
2	189.11	377.22	K	475.26	238.13	4
3	253.14	505.28	Dimethyl	347.20	174.11	3
4	303.67	606.32	Q	246.16	123.58	2
5	339.18	677.36	T	175.12	88.06	1
6	417.24	833.46	A			
			R			

# H3\_T3-R8: TKMe3QTAR



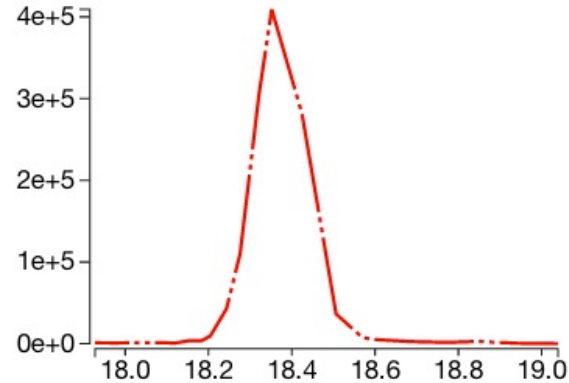
## Quanti event: 9.9-10.9min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [prop_d0]	1	802.4781	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [pic]	1	865.4890	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [prop_d0]	2	401.7427	1.0e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [pic]	2	433.2482	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [prop_d0]	3	268.1642	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [pic]	3	289.1679	0.0e+0



## Quanti event: 17.9-19.1min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [prop_d0]	1	802.4781	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [pic]	1	865.4890	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [prop_d0]	2	401.7427	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [pic]	2	433.2482	3.9e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [prop_d0]	3	268.1642	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Me3 [pic]	3	289.1679	0.0e+0



### Experimental spectrum

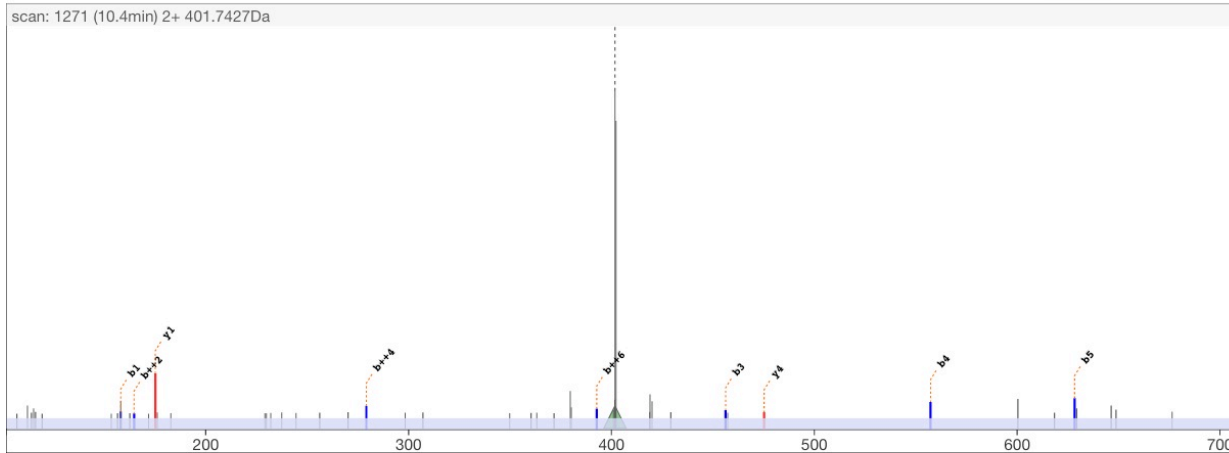
scan 1271  
 retention time 10.4min  
 precursor m/z 401.7427  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 401.7427  
 MH  $\Delta_{mass}$  Da 0.0000  
 MH  $\Delta_{mass}$  ppm 0.0

### edit peptide

{Propionyl}TK{Trimethyl}QTAR



	b++	b		y	y++	
			Propionyl	746.45	373.73	6
1	79.54	158.08	T	645.40	323.21	5
2	164.62	328.22	K	475.26	238.13	4
3	228.64	456.28	Trimethyl	347.20	174.11	3
4	279.17	557.33	Q	246.16	123.58	2
5	314.69	628.37	T	175.12	88.06	1
6	392.74	784.47	A			
			R			

### Experimental spectrum

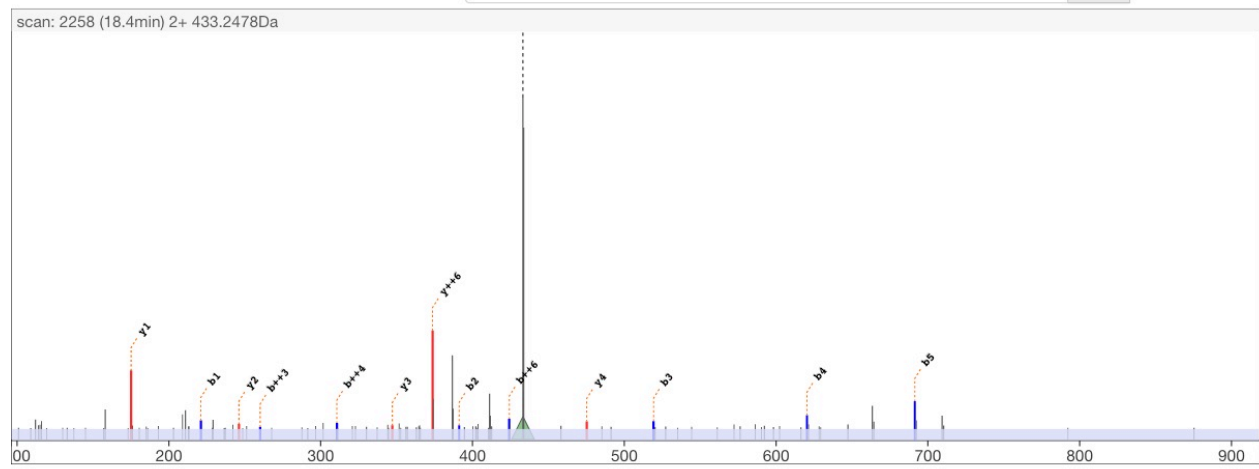
scan 2258  
 retention time 18.4min  
 precursor m/z 433.2478  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 433.2482  
 MH Δ<sub>mass</sub> Da -0.0007  
 MH Δ<sub>mass</sub> ppm -0.8

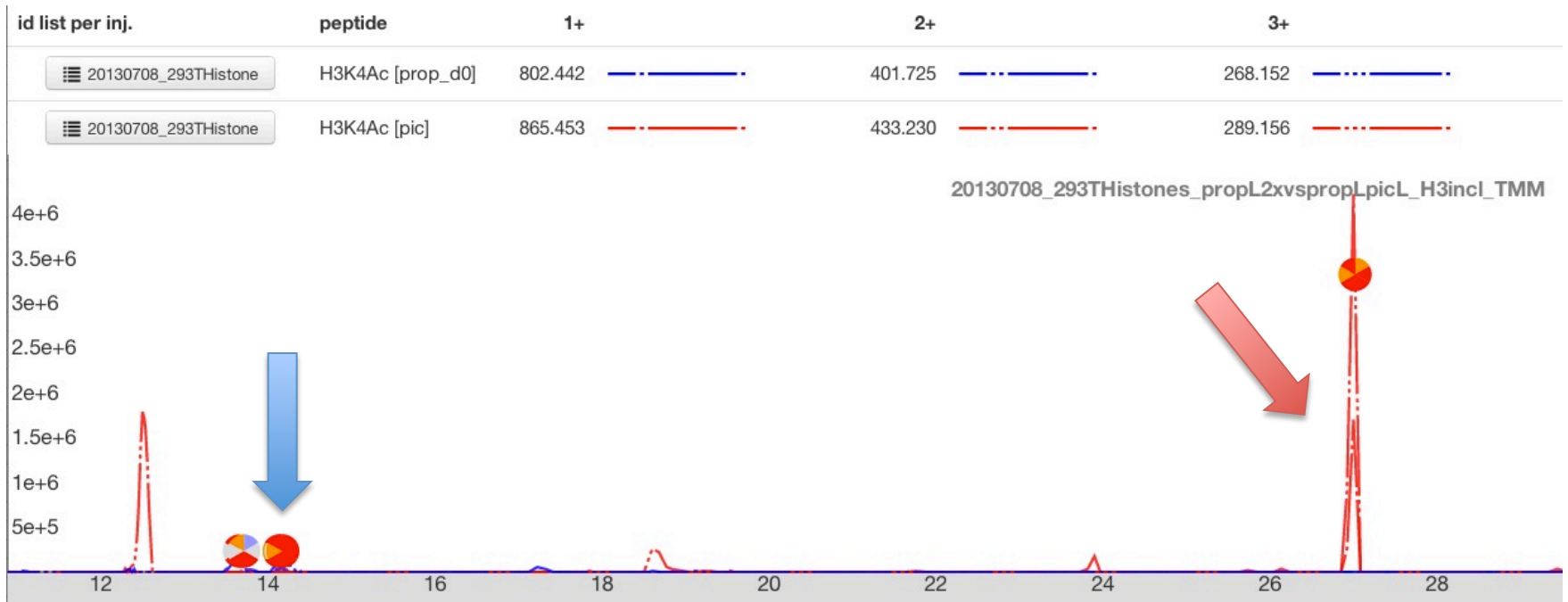
### edit peptide

{PIC}TK(Trimethyl)QTAR align



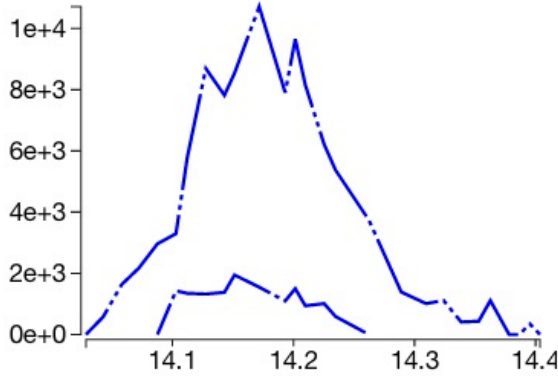
	b++	b		y	y++	
	60.53	120.04	PIC	746.45	373.73	6
1	111.05	221.09	T	645.40	323.21	5
2	196.12	391.23	K	475.26	238.13	4
3	260.15	519.29	Q	347.20	174.11	3
4	310.67	620.34	T	246.16	123.58	2
5	346.19	691.38	A	175.12	88.06	1
6	424.24	847.48	R			

# H3\_T3-R8: TKAcQTAR



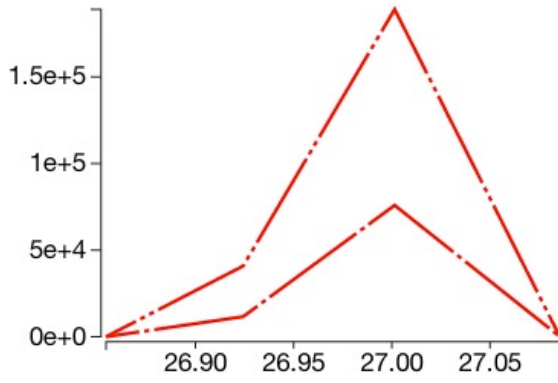
## Quanti event: 14.0-14.5min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [prop_d0]	1	802.4417	1.2e+4
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [pic]	1	865.4526	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [prop_d0]	2	401.7245	8.8e+4
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [pic]	2	433.2300	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [prop_d0]	3	268.1521	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [pic]	3	289.1557	0.0e+0



## Quanti event: 26.6-27.3min

injection	peptide	charge	m/z	auc
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [prop_d0]	1	802.4417	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [pic]	1	865.4526	4.2e+5
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [prop_d0]	2	401.7245	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [pic]	2	433.2300	1.1e+6
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [prop_d0]	3	268.1521	0.0e+0
20130708_293THistones_propL2xvspropLpicL_H3incl_TMM	H3K4Ac [pic]	3	289.1557	0.0e+0





# H3\_T3-R8: Prop-TKAcQTAR MS/MS

### Experimental spectrum

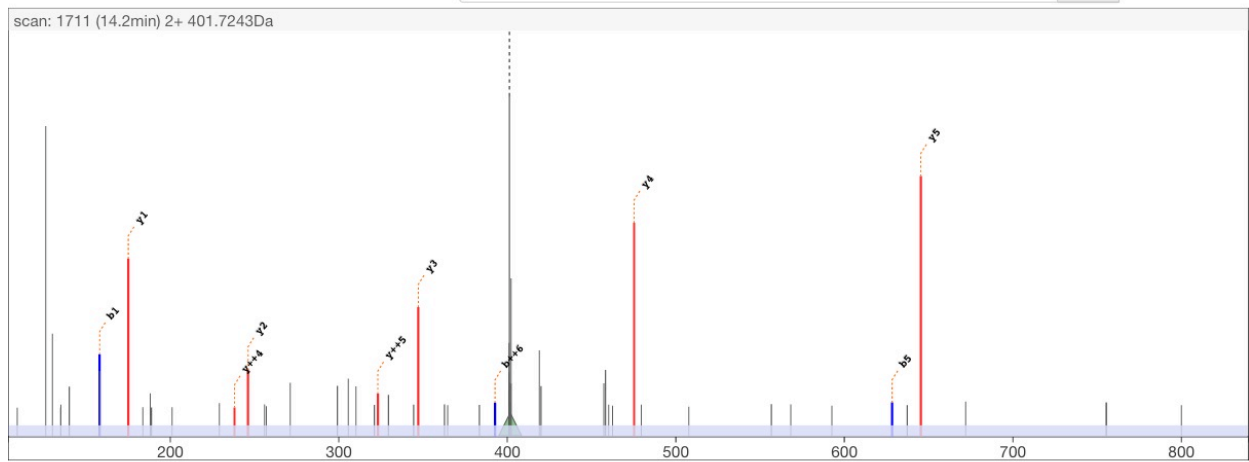
scan 1711  
 retention time 14.2min  
 precursor m/z 401.7243  
 precursor charge 2+

### Theoretical

MH<sup>2+</sup> 401.7245  
 MH Δ<sub>mass</sub> Da -0.0005  
 MH Δ<sub>mass</sub> ppm -0.6

### edit peptide

{Propionyl}TK{Acetyl}QTAR align



↑  
 126Da diagnostic ion

	b++	b		y	y++	
			Propionyl	746.42	373.71	6
1	79.54	158.08	T	645.37	323.19	5
2	164.60	328.19	K	475.26	238.13	4
3	228.63	456.25	Acetyl	347.20	174.11	3
4	279.15	557.29	T	246.16	123.58	2
5	314.67	628.33	A	175.12	88.06	1
6	392.72	784.43	R			

# H3\_T3-R8: PIC-TKAcQTAR MS/MS

### Experimental spectrum

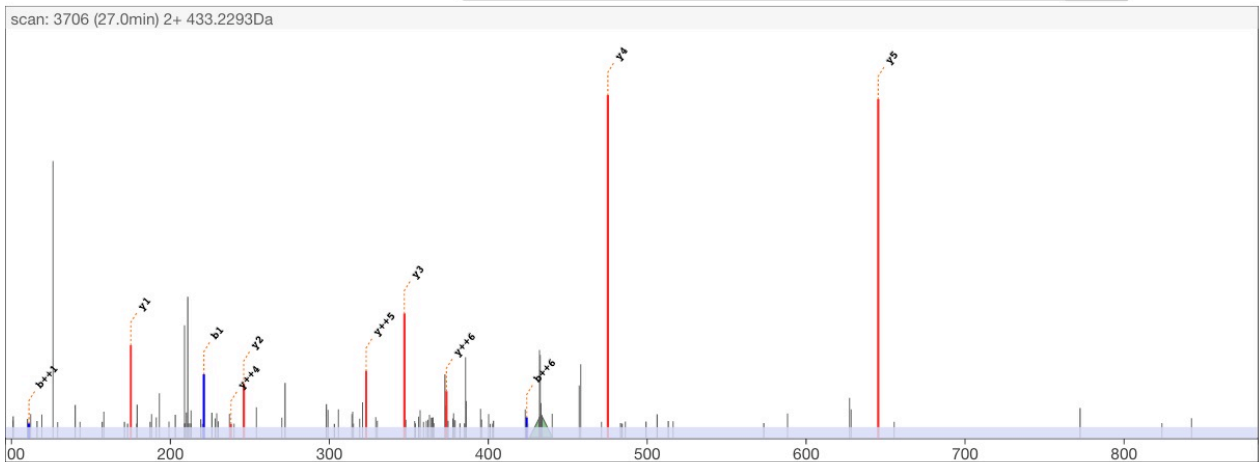
scan 3706  
 retention time 27.0min  
 precursor m/z 433.2293  
 precursor charge 2+

### Theoretical

M H<sup>2+</sup> 433.2300  
 MH Δ<sub>mass</sub> Da -0.0012  
 MH Δ<sub>mass</sub> ppm -1.4

### edit peptide

{PIC}TK{Acetyl}QTAR



126Da diagnostic ion

	b++	b		y	y++	
	60.53	120.04	PIC	746.42	373.71	6
1	111.05	221.09	T	645.37	323.19	5
2	196.10	391.20	K	475.26	238.13	4
3	260.13	519.26	Acetyl	347.20	174.11	3
4	310.66	620.30	Q	246.16	123.58	2
5	346.17	691.34	T	175.12	88.06	1
6	424.22	847.44	A			
			R			