The background features a dark blue field with various molecular models, including a large blue sphere with internal structure, a yellowish-orange textured sphere, and a blue ribbon structure. The Biotechne logo is in the top left.

biotechne®

COMPASS 软件介绍

数据分析

Xianting Wang

Mar, 2022



Jess/Abby/Wes
全自动 Western



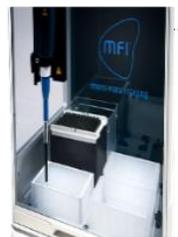
FluorChem
多功能成像



Ella
微流控全自动 ELISA



Milo
单细胞 Western



MFI
微流成像颗粒计数分类仪



Maurice
CE-SDS + icIEF 双功能 CE



GEL-RUNNING AUTO
TRANSFER-FREE
BLOT-FREE
HANDS-FREE

超微量样品+自动化+定量

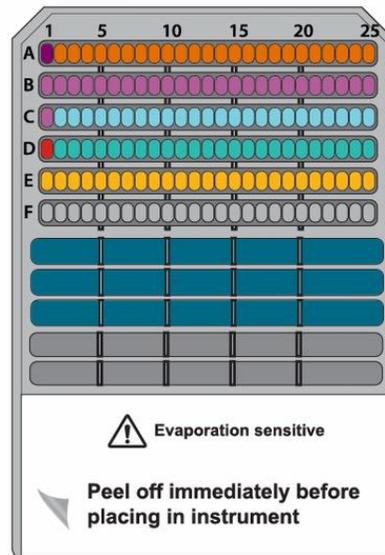
- 1 Simple Western 工作原理
- 2 Simple Western 优势及应用
- 3 Simple Western 实验操作简介



1. 配制样品和试剂

- 加样
- 混匀
- 加热

*样品不能加 Loading Buffer



2. 加样

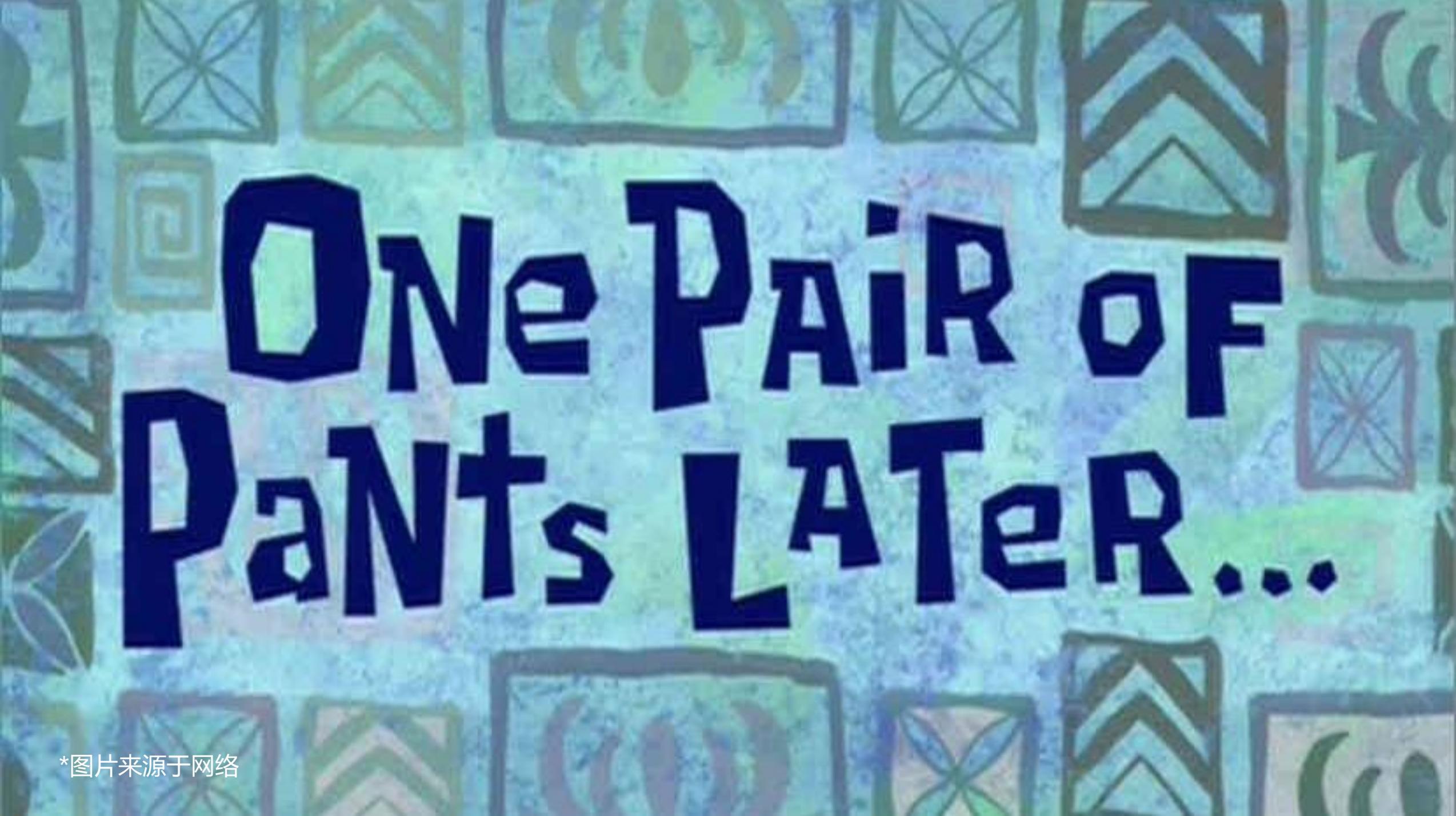
- 加marker 
- 加样品 
- 加封闭液 
- 加一抗 
- 加二抗 
- 加发光液 
- 加洗液 



3. 运行

- 放毛细管卡盒
- 放加样板
- 运行程序

 Compass for SW



**ONE PAIR OF
PANTS LATER...**

运行结束后

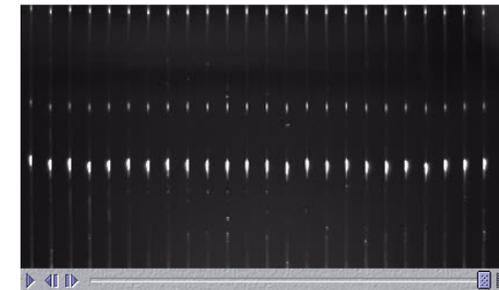
File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status	History
run	Wes Installation run
path	C:\
assay	Wes-25 Size
kit info	Regular: 12-230 kDa
instrument	Wes : Wes WS2002 - WS2002
plate S/N	7751502228
started	星期日 4:10 下午 一月 10, 2016 CST
completed	星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect	Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下	6:45 下

Separation IV Plot



01

Compass 介绍

02

数据分析前检查

03

数据分析

01

Compass 介绍

02

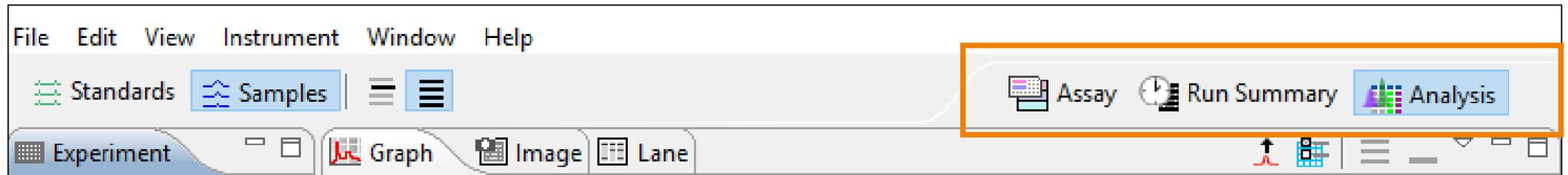
数据分析前检查

03

数据分析

COMPASS 有三个主要界面

- Assay – 实验前的设置
- Run summary – 运行过程中的实时情况
- Analysis – 分析界面

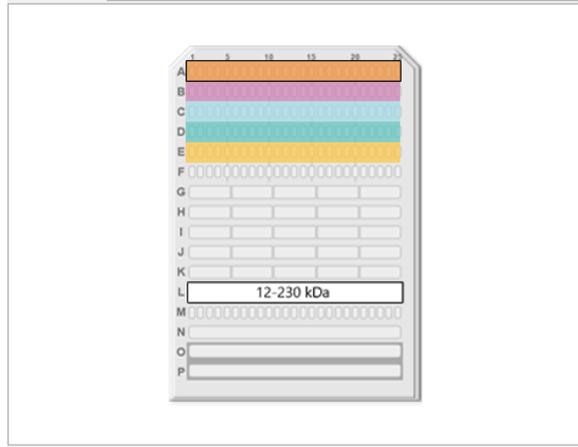


ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout



Protocol History Notes

	Value
> Separation Matrix	
> Stacking Matrix	
> Sample	
Separation Time (m)	25.0
> Separation Voltage	375
> Antibody Diluent Ti	5.0
> Primary Antibody Ti	30.0
> Secondary Antibody Ti	30.0
▼ Detection	
Well Row	E1
Detection Profile	HDR

Assay Run Summary Analysis

Add Remove

Template

Edit

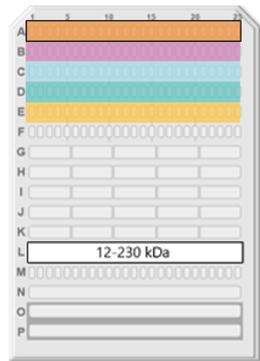
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...												Sample												
B												Antibody Diluent													
C	Ant...											Primary Antibody													
D	Str...											Secondary HRP Conjugate													
E												Luminol/Peroxide													

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout



Protocol History Notes

	Value
> Separation Matrix	
> Stacking Matrix	
> Sample	
Separation Time (m)	25.0
> Separation Voltage	375
> Antibody Diluent Ti	5.0
> Primary Antibody Ti	30.0
> Secondary Antibody Ti	30.0
▼ Detection	
Well Row	E1
Detection Profile	HDR

Assay Run Summary Analysis

Add Remove

Template

Edit

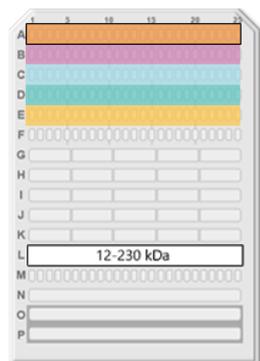
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
A	Bio...												Sample													
B													Antibody Diluent													
C	Ant...												Primary Antibody													
D	Str...												Secondary HRP Conjugate													
E													Luminol/Peroxide													

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout



Protocol History Notes

	Value
> Separation Matrix	
> Stacking Matrix	
> Sample	
Separation Time (m)	25.0
> Separation Voltage	375
> Antibody Diluent Ti	5.0
> Primary Antibody Ti	30.0
> Secondary Antibody Ti	30.0
▼ Detection	
Well Row	E1
Detection Profile	HDR

Assay Run Summary Analysis

Add Remove

Well Content [X]

Name:

Attribute:

Template

Edit

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
A	Bio...															Sample										
B																Antibody Diluent										
C	Ant...															Primary Antibody										
D	Str...															Secondary HRP Conjugate										
E																Luminol/Peroxide										

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Protocol History Notes

Assay Run Summary Analysis

Add Remove

- New Assay 新建 Assay
- Open Assay 打开 Assay
- Save 保存
- Save As... 另存为
- Import Protocol 导入 Protocol
- Import Template 导入 Template
- Export Protocol 导出 Protocol
- Export Template 导出 Template
- Print 打印 (Protocol/Template)
- Exit 退出软件

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...													Sample											
B													Antibody Diluent												
C	Ant...												Primary Antibody												
D	Str...												Secondary HRP Conjugate												
E													Luminol/Peroxide												

ASSAY 界面

The screenshot displays the 'Edit' menu with the following options and their Chinese translations:

- Cut 剪切
- Copy Ctrl+C 拷贝
- Paste Ctrl+V 粘贴
- Default Analysis... 默认分析设置
- Default Analysis View... 默认分析预览
- Preferences 参数设置

The assay grid below shows the following layout:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...												Sample												
B												Antibody Diluent													
C	Ant...											Primary Antibody													
D	Str...											Secondary HRP Conjugate													
E												Luminol/Peroxide													

ASSAY 界面

The screenshot displays the Assay software interface. The top menu bar includes File, Edit, Instrument, Window, and Help. The 'Edit' menu is open, showing options: Cut (剪切), Copy (Ctrl+C, 拷贝), Paste (Ctrl+V, 粘贴), Default Analysis... (默认分析设置), Default Analysis View... (默认分析预览), and Preferences (参数设置). A dialog box titled 'Default Analysis: Wes-25 Size.assay' is open, showing a 'Standards' section with a table of 'Fluorescent Peaks':

MW (kDa)	Position	Fit
1	170	<input type="checkbox"/>
29	350	<input checked="" type="checkbox"/>
230	650	<input checked="" type="checkbox"/>

Below the dialog box, a well plate layout is shown with columns 1-25 and rows A-E. The plate contains the following samples:

Row	Sample
A	Bio...
B	Antibody Diluent
C	Ant...
D	Str...
E	Luminol/Peroxide

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Protocol History Notes

Layout

Cut	剪切
Copy Ctrl+C	拷贝
Paste Ctrl+V	粘贴
Default Analysis...	默认分析设置
Default Analysis View...	默认分析预览
Preferences	参数设置

Detection	
Well Row	E1
Detection Profile	HDR

Default Analysis View Wes-25 Size.assay

Graph View Options
Lane View Options

Graph View Options

- Matching Peak Names
- Peak Names
- Peak Values
- Fitted Peaks
- Baseline Fit
- Noise Region
- All Exposures
- Grid Lines

Plot Label

- Sample Attribute
- Primary Attribute
- Secondary Attribute
- Capillary Exposure

OK Cancel Apply

Assay Run Summary Analysis

Add Remove

Template

	1	2	3	4	5	6	7	8	9	10	11	12		1	22	23	24	25
A	Bio...												Sample					
B													Antibody Diluent					
C	Ant...												Primary Antibody					
D	Str...												Secondary HRP Conjugate					
E													Luminol/Peroxide					

ASSAY 界面

The screenshot displays the ASSAY software interface. At the top, the menu bar includes File, Edit, Instrument, Window, and Help. The 'Edit' menu is open, showing options: Cut (剪切), Copy (Ctrl+C, 拷贝), Paste (Ctrl+V, 粘贴), Default Analysis... (默认分析设置), Default Analysis View... (默认分析预览), and Preferences (参数设置). The Preferences dialog is open, showing the 'Access Control' tab with fields for 'Server' (127.0.0.1) and 'Auto Lock Inactivity (min)' (20). The main workspace shows a well plate layout with columns 1-25 and rows A-E. The layout is color-coded by row: A (orange), B (purple), C (light blue), D (teal), and E (yellow). The assay name is 'Wes Size' and the detection profile is 'HDR'.

Well Row	Detection Profile
E1	HDR

Row	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16	Column 17	Column 18	Column 19	Column 20	Column 21	Column 22	Column 23	Column 24	Column 25
A	Bio...																								
B																									
C	Ant...																								
D	Str...																								
E																									

ASSAY 界面

File Edit Instrument **Window** Help

Assay: Wes Size

Layout [x] [S] [B] [T]

- Blot
- Assay
- Run Summary
- Analysis
- Default Layout

Notes

Value

> Antibody Diluent Ti 5.0

> Primary Antibody T 30.0

> Secondary Antibody 30.0

▼ Detection

Well Row E1

Detection Profile HDR

	25.0
	375

Template [x] [S] [B] [T]

Edit

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...												Sample												
B												Antibody Diluent													
C	Ant...											Primary Antibody													
D	Str...											Secondary HRP Conjugate													
E												Luminol/Peroxide													

ASSAY 界面

The screenshot displays the Compass for SW software interface. The top menu bar includes File, Edit, Instrument, Window, and Help. The Help menu is open, showing options in both English and Chinese. The main workspace shows an assay layout with a 5x25 grid. The grid is color-coded by row: Row A (orange), Row B (purple), Row C (light blue), Row D (teal), and Row E (yellow). A red box highlights cell A6. The grid content is as follows:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...												Sample												
B												Antibody Diluent													
C	Ant...											Primary Antibody													
D	Str...											Secondary HRP Conjugate													
E												Luminol/Peroxide													

RUN SUMMARY 界面

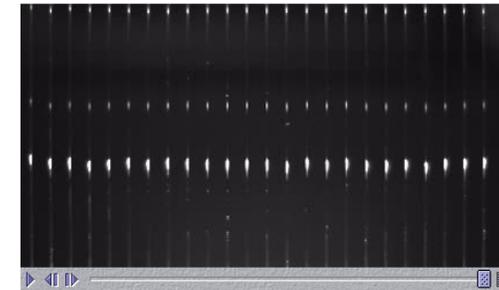
File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status	History
run	Wes Installation run
path	C:\
assay	Wes-25 Size
kit info	Regular: 12-230 kDa
instrument	Wes : Wes WS2002 - WS2002
plate S/N	7751502228
started	星期日 4:10 下午 一月 10, 2016 CST
completed	星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect	Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下	6:45 下

Separation IV Plot



RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Assay Run Summary Analysis

Separation IV Plot

Status History

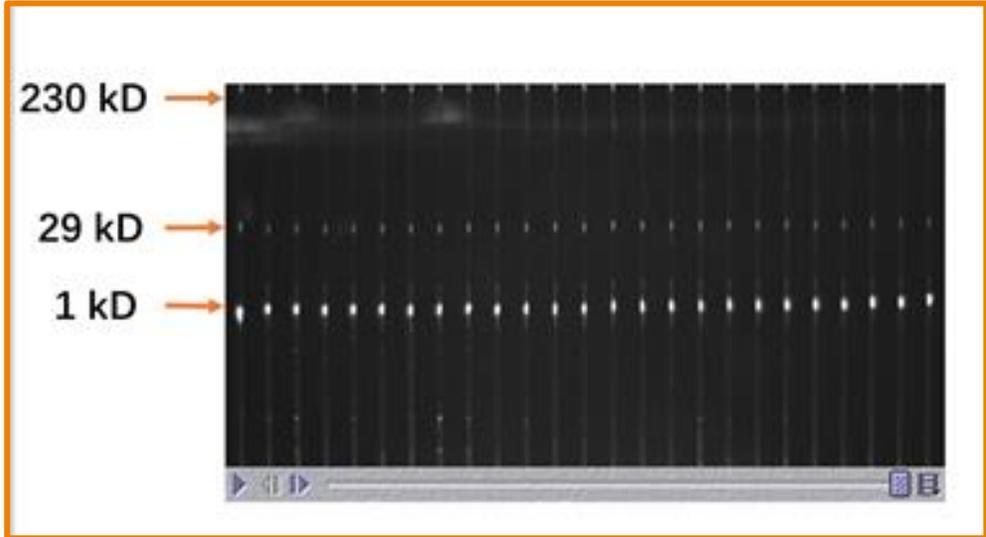
run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes: Wes WS2002 - WS2002
plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect	Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下	6:45 下

- ▶ 12-230 kit: 1 kDa, 29 kDa, 230 kDa
- ▶ 66-440 kit: 57 kDa, 280 kDa
- ▶ 2-40 kit: 1 kDa, 26 kDa



The IV Plot window displays a gel image with three molecular weight markers indicated by orange arrows on the left: 230 kDa, 29 kDa, and 1 kDa. The gel shows multiple lanes with corresponding bands at these weights. The 230 kDa band is the most prominent, followed by the 29 kDa band, and the 1 kDa band is also clearly visible. The plot is enclosed in an orange border.

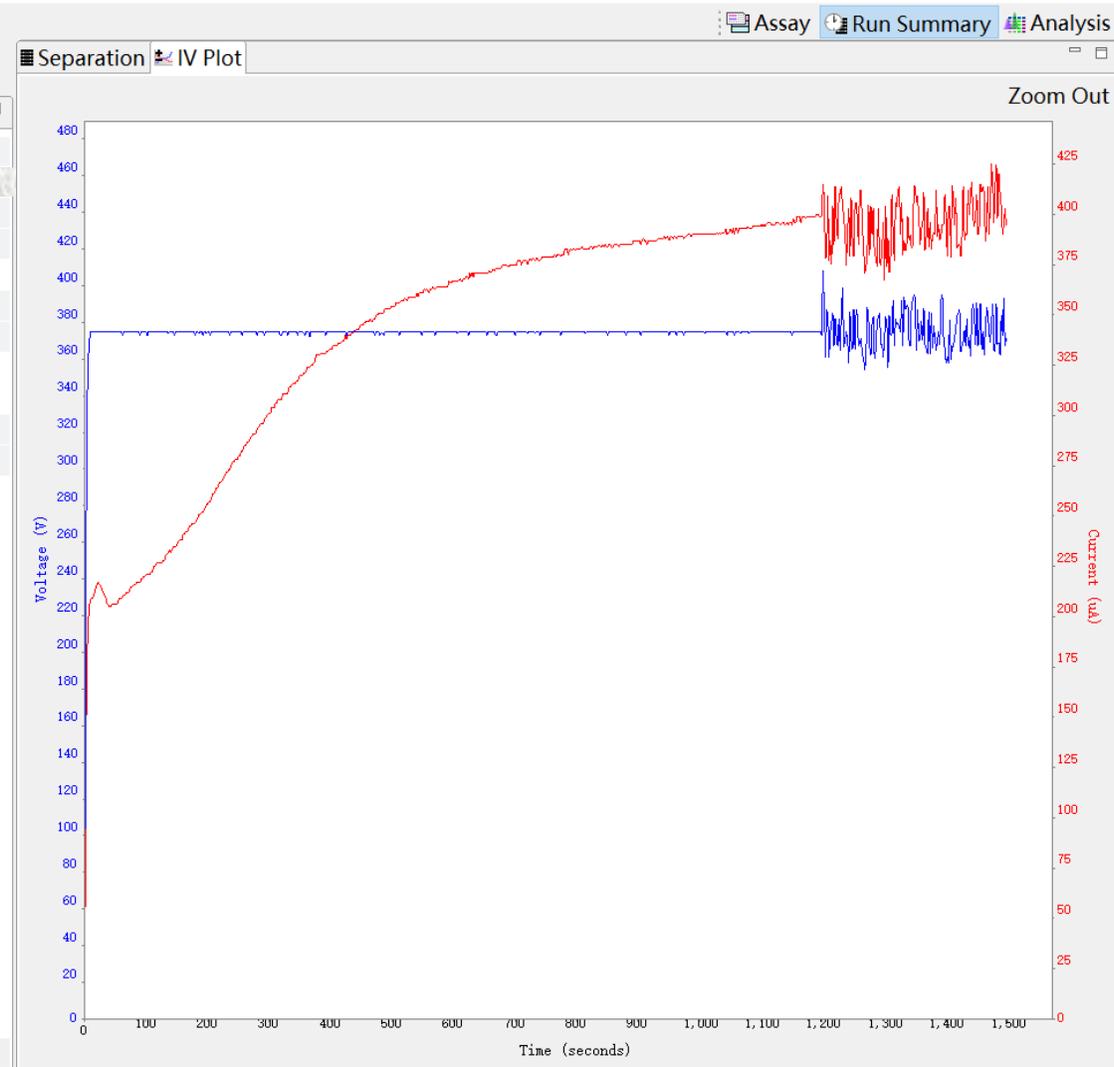
RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status	History
run	Wes Installation run
path	C:\
assay	Wes-25 Size
kit info	Regular: 12-230 kDa
instrument	Wes: Wes WS2002 - WS2002
plate S/N	7751502228
started	星期日 4:10 下午 一月 10, 2016 CST
completed	星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下 6:45 下



RUN SUMMARY 界面

The screenshot displays the 'Run Summary' window of the software. The title bar includes 'Assay', 'Run Summary', and 'Analysis'. The main window title is 'Separation IV Plot'. The left sidebar shows a 'File' menu with the following options and their Chinese translations:

English	Chinese
Open Run	打开 run
Add Run	增添 run
Close	关闭
Close All	关闭所有 run
Save	保存
Save As...	另存为
Run Report...	导出报告
Exit	退出软件

The main plot area shows an 'IV Plot' with 'Voltage (V)' on the left y-axis (0 to 480) and 'Current (µA)' on the right y-axis (0 to 425). The x-axis is 'Time (seconds)' from 0 to 1,500. A red line represents the current, which starts at 0, rises to a plateau of approximately 350 µA by 1,200 seconds, and then exhibits high-frequency noise. A blue line represents the voltage, which starts at 0, rises to a plateau of approximately 370 V by 1,200 seconds, and then exhibits high-frequency noise. A 'Zoom Out' button is visible in the top right corner of the plot area.

Below the plot, there is a 'Sample' section with a list of samples and their corresponding times:

Sample	Time
4:10 下	4:10 下
4:14 下	4:14 下
5:04 下	5:04 下
5:10 下	5:10 下
5:48 下	5:48 下
6:28 下	6:28 下
6:45 下	6:45 下

RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

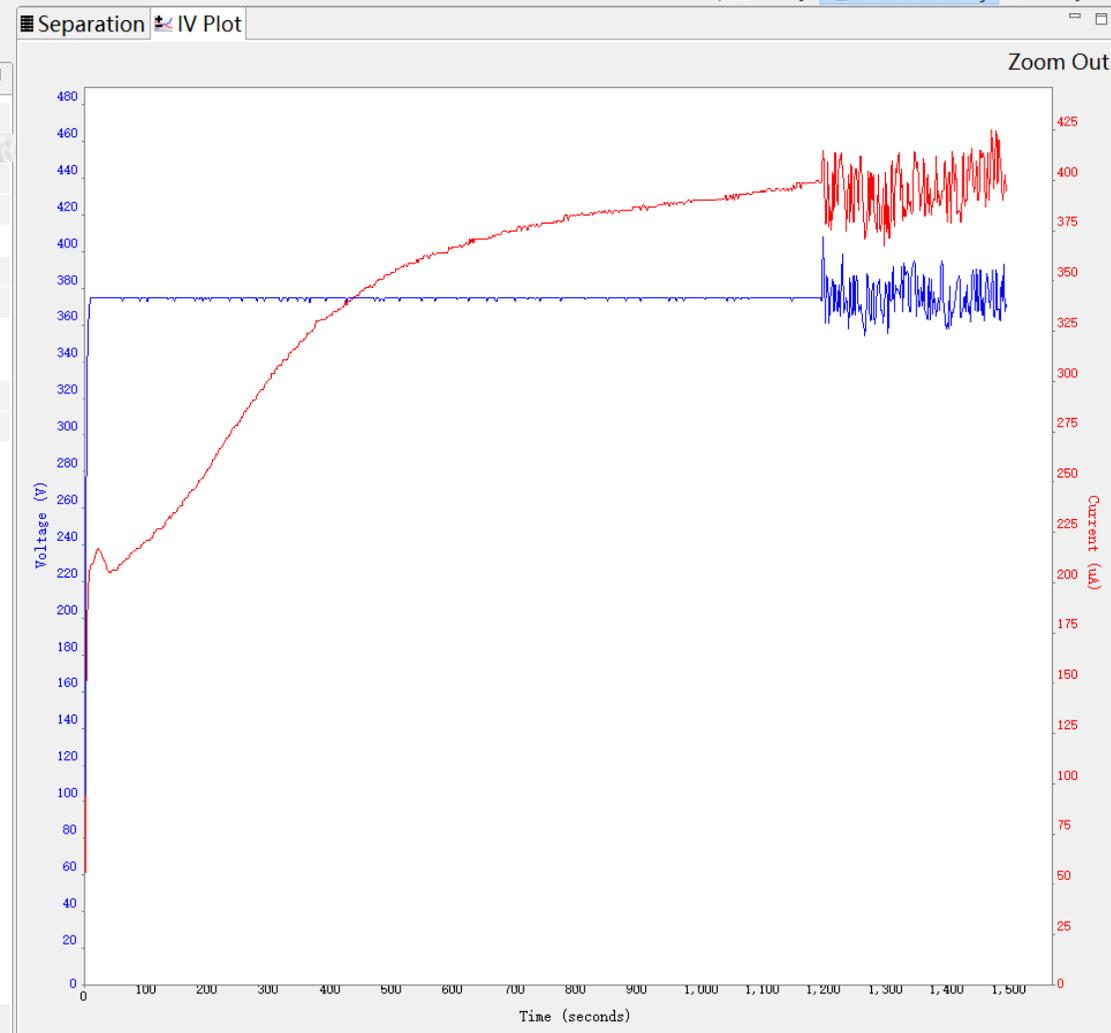
Status History

run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes: Wes WS2002 - WS2002
plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下 6:45 下



RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes
path C:\
assay Wes
kit info Reg
instrument Wes
plate S/N 775130220

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

Sample Sep B 1° 2° Detect Results

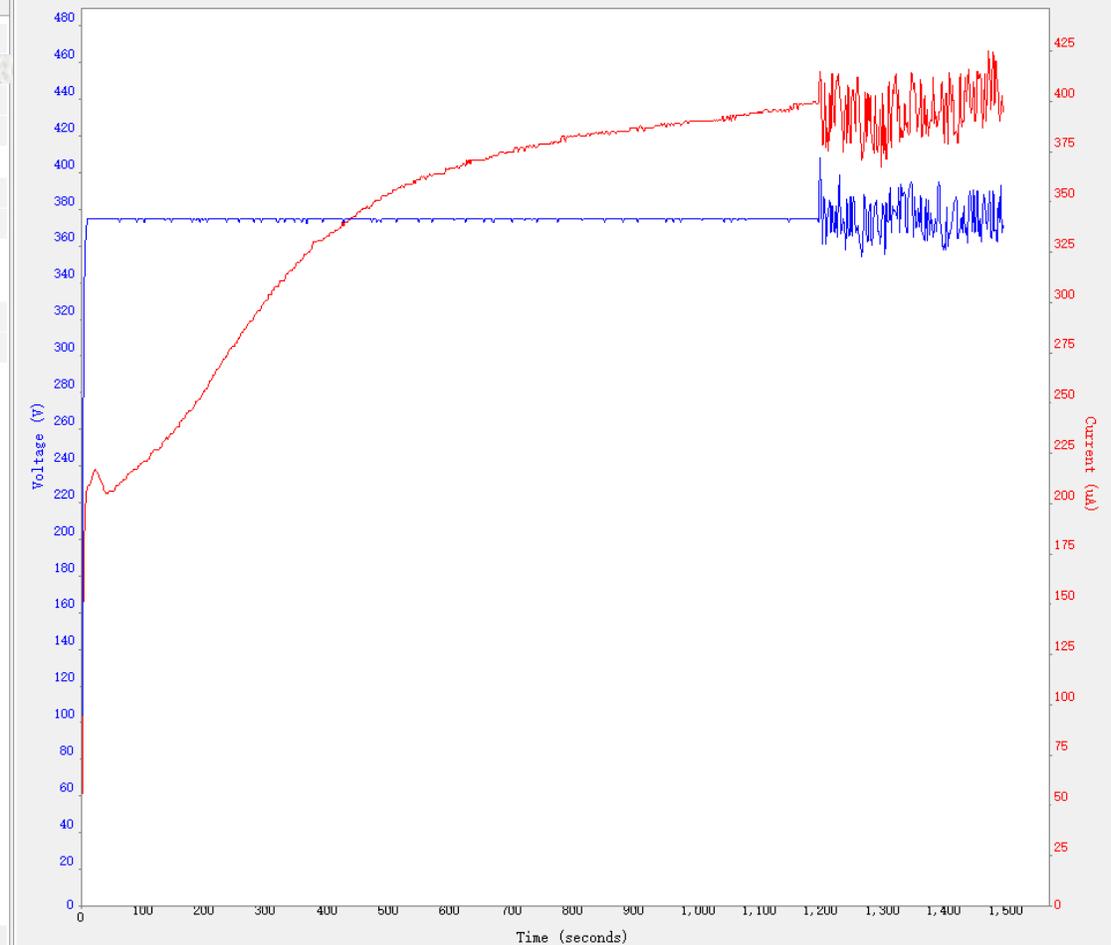
4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

- Cut
- Copy Ctrl+C
- Paste Ctrl+V
- Preferences

Assay Run Summary Analysis

Separation IV Plot

Zoom Out



ANALYSIS 界面

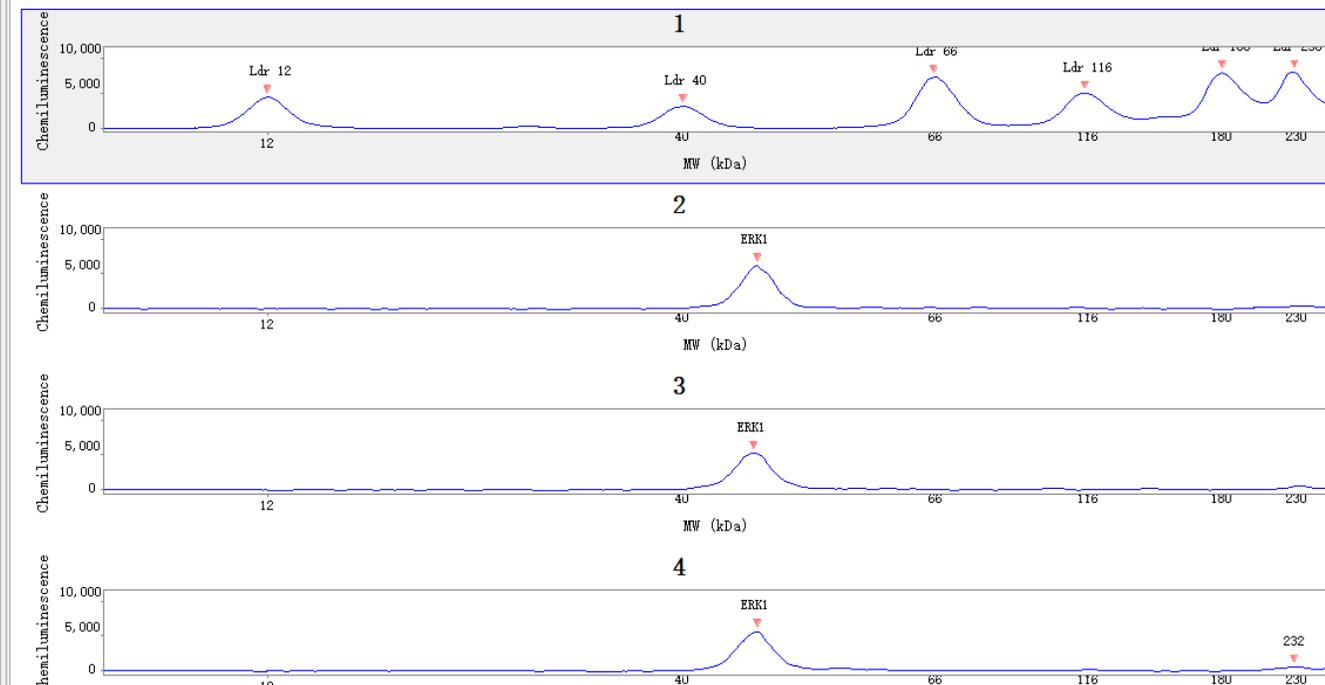
File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

The screenshot displays the biotechne analysis software interface. A menu is open over the 'File' menu, listing various actions in both English and Chinese. The main window shows four chromatograms (labeled 1, 2, 3, 4) with peaks identified as Ldr 40, Ldr 66, Ldr 116, Ldr 180, Ldr 230, and ERK1. A table at the bottom provides detailed data for each peak.

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot displays the Proteome Discoverer software interface. The top menu bar includes File, Edit, View, Instrument, Window, and Help. The 'Edit' menu is open, showing options: Cut, Copy (Ctrl+C), Paste (Ctrl+V), Analysis..., and Preferences. The main window is divided into several sections:

- Experiment Table:** Lists samples with columns for Sample, Primary, and Capillary. The first row is highlighted: Biot. La... Bloki... 1.
- Chromatogram:** Shows four traces (1, 2, 3, 4) of Chemiluminescence vs. MW (kDa). Trace 1 shows multiple peaks labeled Ldr 12, 40, 66, 116, 180, 230. Traces 2, 3, and 4 show a single peak labeled ERK1 at approximately 48 kDa.
- Peaks Table:** A table with columns: Sample, Pri..., Cap, Pe..., Na..., Posit..., MW ..., Heig..., Area, % Ar..., Width, S/N, Baseli... The last row is highlighted in green:

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

The right-hand panel contains 'Analysis Options' and 'Annotations' tabs. The 'Analysis Options' tab is active, showing 'Exposures' set to 'Multi-Image Analysis' and a 'Peak Names' section with input fields for Name, MW, Color, and Caps, and a 'Modify' button.

ANALYSIS 界面

The screenshot displays the Proteome Discoverer software interface. The main window shows a list of samples and their corresponding analysis results. A context menu is open over the 'Biot. La...' sample, showing options: Cut, Copy (Ctrl+C), Paste (Ctrl+V), Analysis..., and Preferences. The 'Analysis' window is also open, showing the 'Standards' tab with a table of fluorescent peaks. The 'Analysis Options' panel on the right shows 'Multi-Image Analysis' selected for Exposures. The 'Peaks' table at the bottom is partially visible.

Sample	Pri...	Cap	Pe...	Na...
Biot. La...	Blo...	1	1	Ldr ...
Biot. La...	Blo...	1	2	Ldr ...
Biot. La...	Blo...	1	3	Ldr ...
Biot. La...	Blo...	1	4	Ldr ...
Biot. La...	Blo...	1	5	Ldr ...
Biot. La...	Blo...	1	6	Ldr ...
HeLa L...	ERK...	2	1	ERK1

MW (kDa)	Position	Fit
1	170	<input type="checkbox"/>
29	350	<input checked="" type="checkbox"/>
230	650	<input checked="" type="checkbox"/>

ANALYSIS 界面

The screenshot displays the biotechne analysis software interface. The 'View' menu is open, showing options: Selected, All, Standards, Samples, Grouping, Filter..., View Region..., and Show Hidden. The 'Samples' option is selected. The main window shows four chromatograms (1-4) with peaks labeled Ldr 40, Ldr 66, Ldr 116, Ldr 180, Ldr 230, and ERK1. The x-axis is MW (kDa) and the y-axis is Phosphorescence. The right panel shows 'Analysis Options' and 'Annotations' tabs, with 'Images' and 'Peak Names' sections. The 'Peak Names' section has fields for Name, MW, Color, and Caps, and a 'Modify' button. The bottom panel shows a table of peaks and capillaries.

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot displays the software's analysis interface. The 'View' menu is open, showing options like 'All', 'Standards', 'Samples', 'Grouping', 'Filter...', 'View Region...', and 'Show Hidden'. The 'Filter' dialog is also open, with 'Capillaries' checked and a list of capillary numbers (1-11) where capillary 7 is selected. The 'Analysis Options' panel on the right shows 'Exposures' set to 'Multi-Image Analysis' and 'Peak Names' fields for Name, MW, Color, and Caps, with a 'Modify' button.

View Menu:

- Selected
- All
- Standards
- Samples
- Grouping
- Filter...
- View Region...
- Show Hidden

Filter Dialog:

- Capillaries
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- Show named peaks only

Analysis Options Panel:

- Assay | Run Summary | Analysis
- Analysis Options | Annotations
- Images
- Exposures: Multi-Image Analysis
- Peak Names
- Name: [Dropdown]
- MW: [Input]
- Color: [Input]
- Caps: [Input]
- Modify

Peaks Table:

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...
HeLa L...	ERK...	2	1	ERK1	486	48	5901...

ANALYSIS 界面

The screenshot displays the biotechne analysis software interface. The 'View' menu is open, showing options: Selected, All, Standards, Samples, Grouping, Filter..., View Region..., and Show Hidden. The 'View Region' dialog box is open, showing 'Range' options: Analysis (selected), Full, and Custom. The 'Lower' value is 1.0 and the 'Upper' value is 250.0. The 'OK' button is highlighted. The background shows a chromatogram with peaks labeled Ldr 40, Ldr 66, Ldr 116, Ldr 180, and Ldr 230. A table at the bottom shows the following data:

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

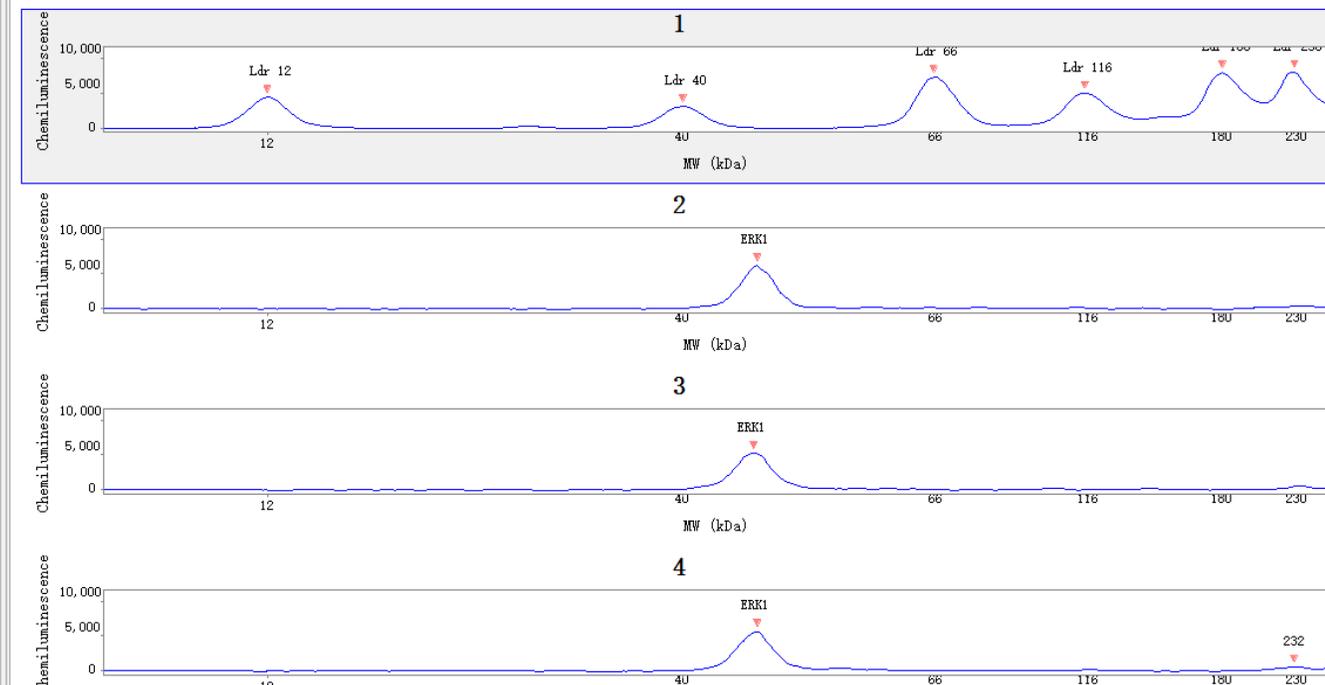
File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Image Analysis

Modify

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Image Analysis

Modify

Standards Samples

荧光内参

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Image Analysis

Modify

Standards Samples

荧光内参 样品

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot shows the 'Analysis' window of the biotechne software. The 'Standards' and 'Samples' tabs are highlighted with orange boxes. Below these tabs, three Chinese labels are placed: '荧光内参' (Fluorescence internal control) under 'Standards', '样品' (Sample) under 'Samples', and '展示选择的毛细管' (Display selected capillary) under the capillary selection icons. An orange arrow points from the 'Standards' label to the 'Biot. La...' row in the 'Experiment' table. The 'Experiment' table lists 25 rows of data, and a larger data table is visible at the bottom of the window.

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot shows the 'Analysis' window of the biotechne software. The 'Standards' and 'Samples' tabs are highlighted with orange boxes. The 'Standards' tab is labeled '荧光内参' (Fluorescence Internal Reference) and the 'Samples' tab is labeled '样品' (Sample). To the right of these tabs, two menu icons (three horizontal lines) are highlighted with orange boxes, labeled '展示所有毛细管' (Show all capillaries) and '展示选择的毛细管' (Show selected capillaries). The main window displays a list of samples and a data table at the bottom.

Sample	Primary	C...									
Biot. La...	Blocki...	1									
HeLa L...	ERK1 ...	2									
HeLa L...	ERK1 ...	3									
HeLa L...	ERK1 ...	4									
HeLa L...	ERK1 ...	5									
HeLa L...	ERK1 ...	6									
HeLa L...	ERK1 ...	7									
HeLa L...	ERK1 ...	8									
HeLa L...	ERK1 ...	9									
HeLa L...	ERK1 ...	10									
HeLa L...	ERK1 ...	11									
HeLa L...	ERK1 ...	12									
HeLa L...	ERK1 ...	13									
HeLa L...	ERK1 ...	14									
HeLa L...	ERK1 ...	15									
HeLa L...	ERK1 ...	16									
HeLa L...	ERK1 ...	17									
HeLa L...	ERK1 ...	18									
HeLa L...	ERK1 ...	19									
HeLa L...	ERK1 ...	20									
HeLa L...	ERK1 ...	21									
HeLa L...	ERK1 ...	22									
HeLa L...	ERK1 ...	23									
HeLa L...	ERK1 ...	24									
HeLa L...	ERK1 ...	25									

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot shows the software interface with a menu bar (File, Edit, View, Instrument, Window, Help) and a toolbar. A table on the left lists samples, and a data table is at the bottom. A callout box highlights the 'Standards' and 'Samples' menu items and their corresponding icons.

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

ANALYSIS 界面

The screenshot shows the software interface with a menu bar (File, Edit, View, Instrument, Window, Help) and a toolbar. The 'Standards' and 'Samples' buttons are highlighted with orange boxes. A large orange rounded rectangle encloses the 'Standards' and 'Samples' buttons and the 'Wes' and 'Abby' labels. An arrow points from the 'Abby' label to row 14 in the 'Experiment' table.

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby

Sample	Primary	C...									
Biot. La...	Blocki...	1									
HeLa L...	ERK1 ...	2									
HeLa L...	ERK1 ...	3									
HeLa L...	ERK1 ...	4									
HeLa L...	ERK1 ...	5									
HeLa L...	ERK1 ...	6									
HeLa L...	ERK1 ...	7									
HeLa L...	ERK1 ...	8									
HeLa L...	ERK1 ...	9									
HeLa L...	ERK1 ...	10									
HeLa L...	ERK1 ...	11									
HeLa L...	ERK1 ...	12									
HeLa L...	ERK1 ...	13									
HeLa L...	ERK1 ...	14									
HeLa L...	ERK1 ...	15									
HeLa L...	ERK1 ...	16									
HeLa L...	ERK1 ...	17									
HeLa L...	ERK1 ...	18									
HeLa L...	ERK1 ...	19									
HeLa L...	ERK1 ...	20									
HeLa L...	ERK1 ...	21									
HeLa L...	ERK1 ...	22									
HeLa L...	ERK1 ...	23									
HeLa L...	ERK1 ...	24									
HeLa L...	ERK1 ...	25									

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot shows the software interface with a menu bar (File, Edit, View, Instrument, Window, Help) and a toolbar. A table on the left lists samples, and a data table is at the bottom. Two callout boxes highlight analysis mode controls:

Wes Standards Samples [Icons] 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples [Icons] [Buttons]

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 1

Biot. La...	Blo...	1	5	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 1

Biot. La...	Blo...	1	5	Ldr ...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Image Analysis

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 2 Probe 1

Biot. La...	Blo...	1	6	Ldr...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples 展示选择的毛细管

Probe 2

Probe 1

Jess

Biot. La...	Blo...	1	6	Ldr...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 2 Probe 1

Jess Standards Samples

Biot. La...	Blo...	1	6	Ldr...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot shows the ANALYSIS interface with a menu bar (File, Edit, View, Instrument, Window, Help) and a toolbar. A list of samples is visible on the left, including 'Biot. La...', 'HeLa L...', and 'Jess'. Three control panels are shown, each with 'Standards' and 'Samples' buttons, and a set of icons for assay selection.

Wes
Standards Samples [Icons] 展示所有毛细管
荧光内参 样品 展示选择的毛细管

Abby
Standards Samples [Icons] Probe 2
Probe 1

Jess
Standards Samples [Icons] 化学发光

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Biot. La...	Blo...	1	6	Ldr...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

The screenshot shows the ANALYSIS interface with a sample list on the left and analysis options for three wells: Wes, Abby, and Jess. The sample list includes columns for Sample, Primary, and C... (Channel). The analysis options for each well include buttons for Standards and Samples, and a set of icons for selecting analysis methods.

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管
荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 2 Probe 1

Jess Standards Samples NIR 化学发光

ANALYSIS 界面

The screenshot shows the ANALYSIS interface with a menu bar (File, Edit, View, Instrument, Window, Help) and a toolbar. A table on the left lists samples, with 'Biot. La...' selected. The main area contains three assay control panels: Wes, Abby, and Jess. Each panel has 'Standards' and 'Samples' buttons, and a set of icons for selecting capillaries or probes. The Jess panel also includes 'NIR', '化学发光' (chemiluminescence), and 'IR' options.

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管
荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 2 Probe 1

Jess Standards Samples NIR 化学发光 IR

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Image Analysis

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 1 Probe 2 总蛋白归一化

NIR 化学发光 IR

Jess Standards Samples

Biot. La...	Blo...	1	6	Ldr...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Image Analysis

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Abby Standards Samples Probe 1 Probe 2

总蛋白 归一化

NIR

Jess Standards Samples 化学发光 IR Replex

Biot. La...	Blo...	1	6	Ldr...	654	230	6873...	1361...	18.6	44...	132.7	
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

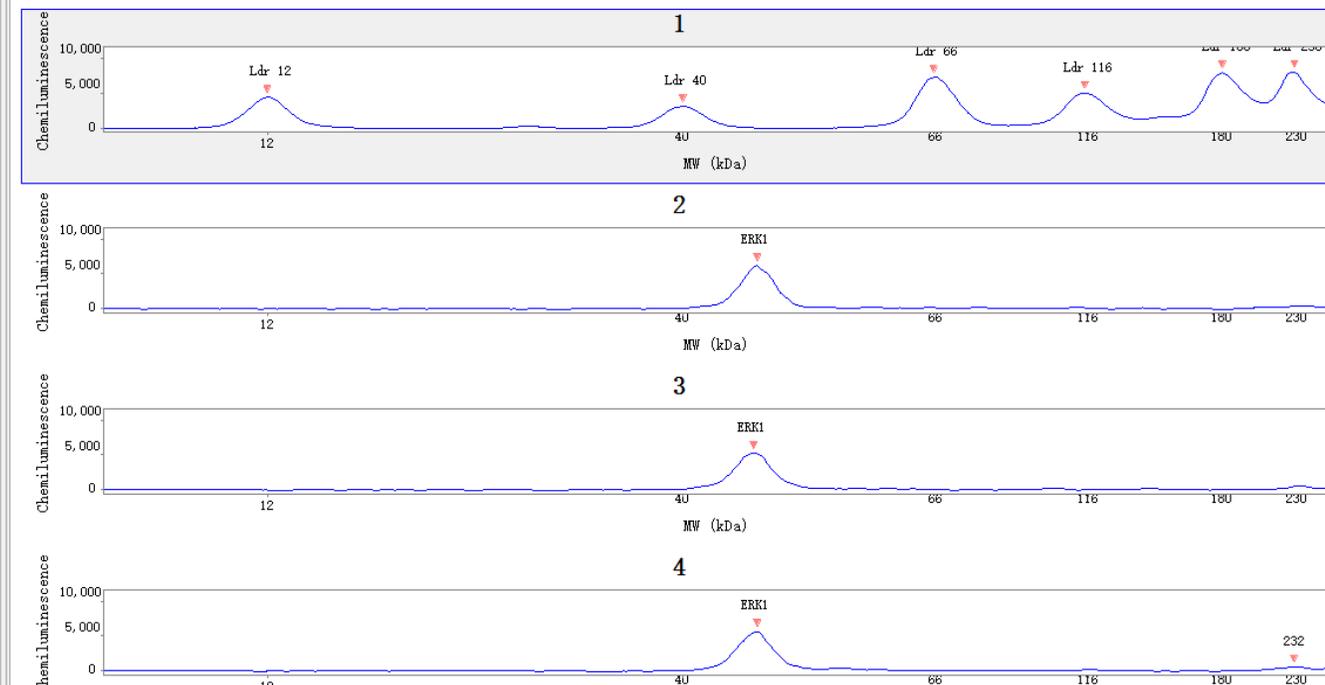
File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

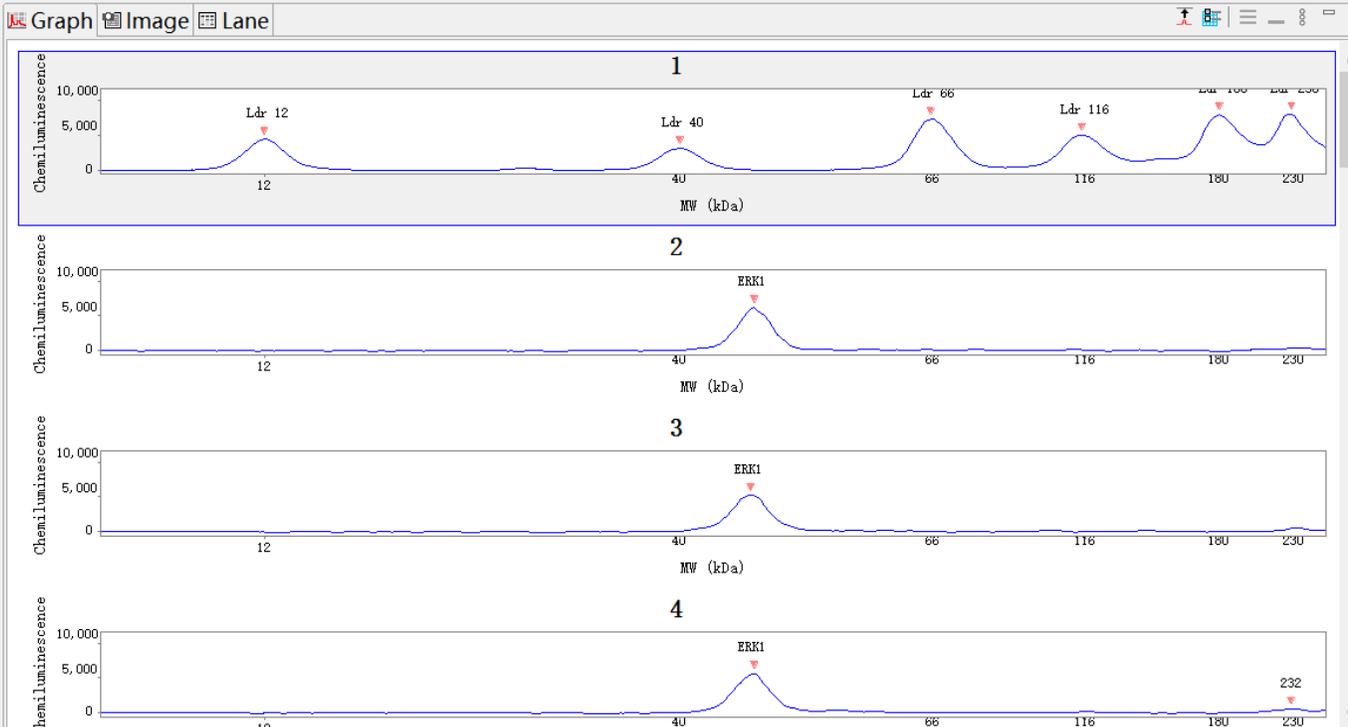
ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

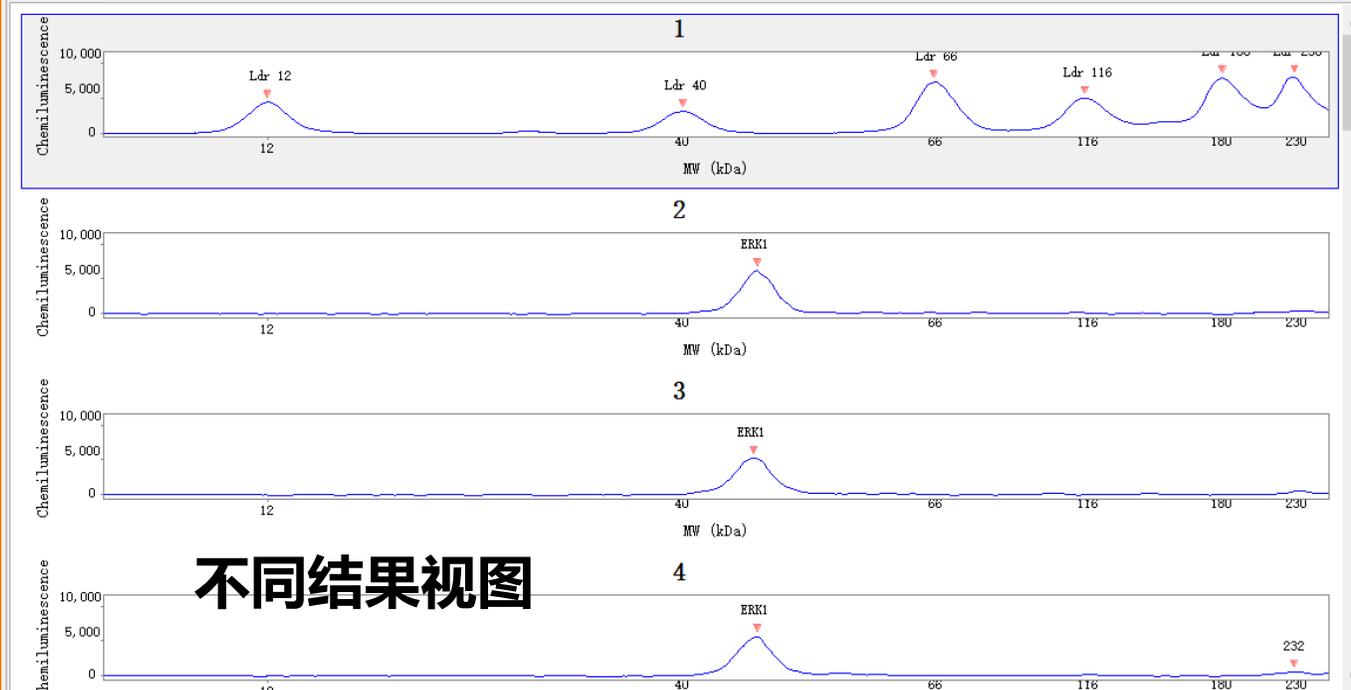
File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



不同结果视图

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

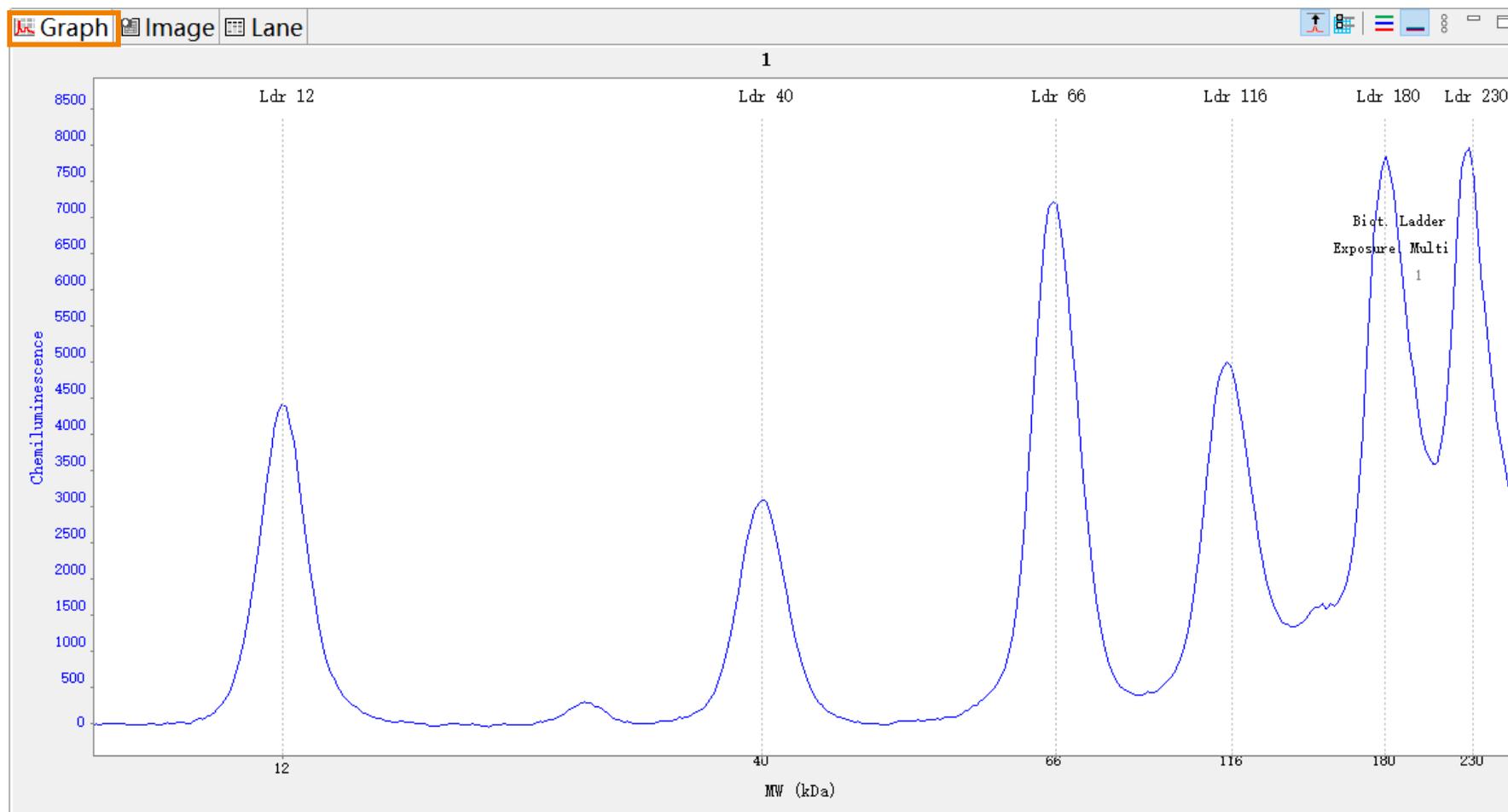
Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

实验窗格

峰型图

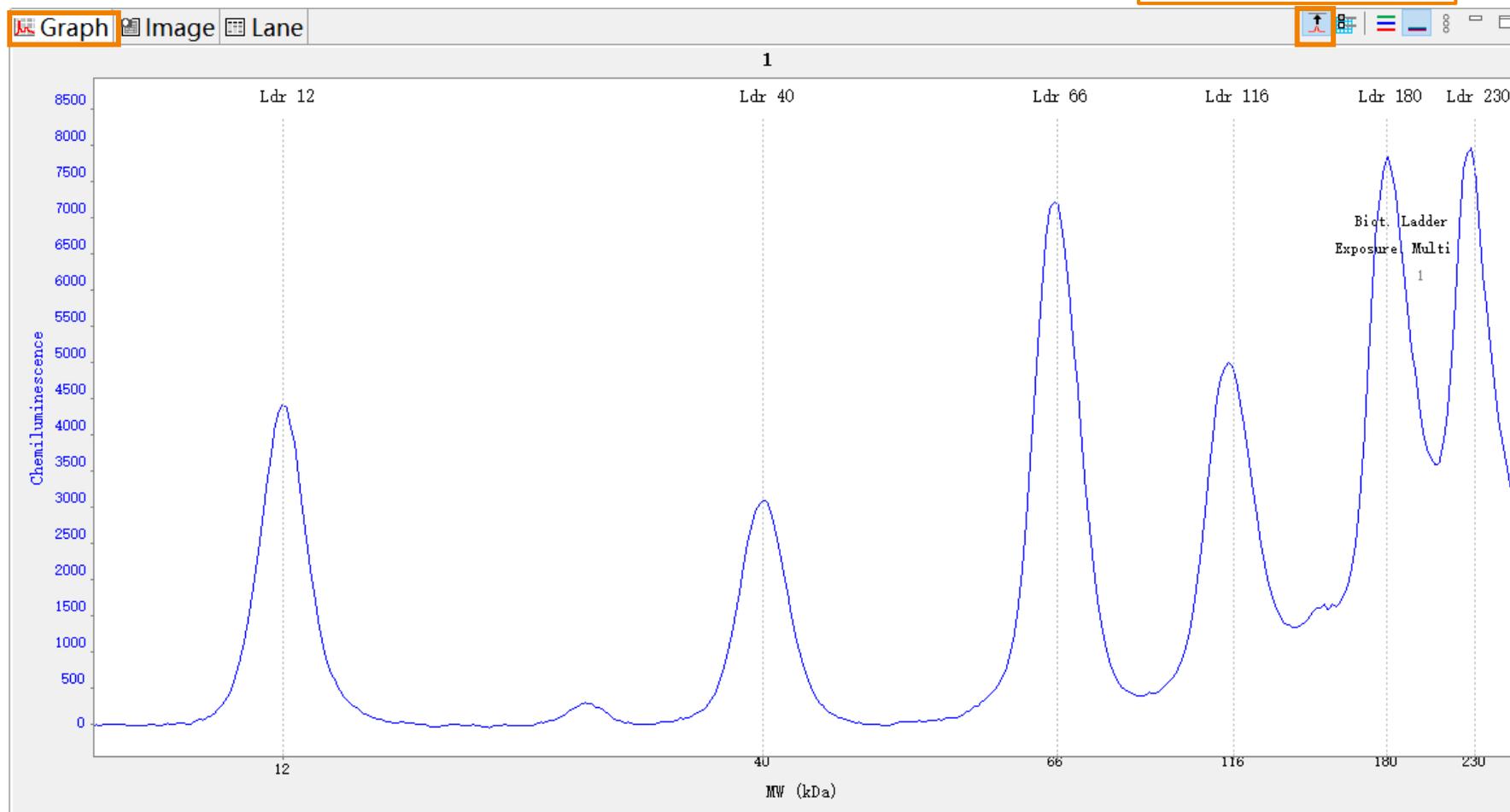
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



自动校正

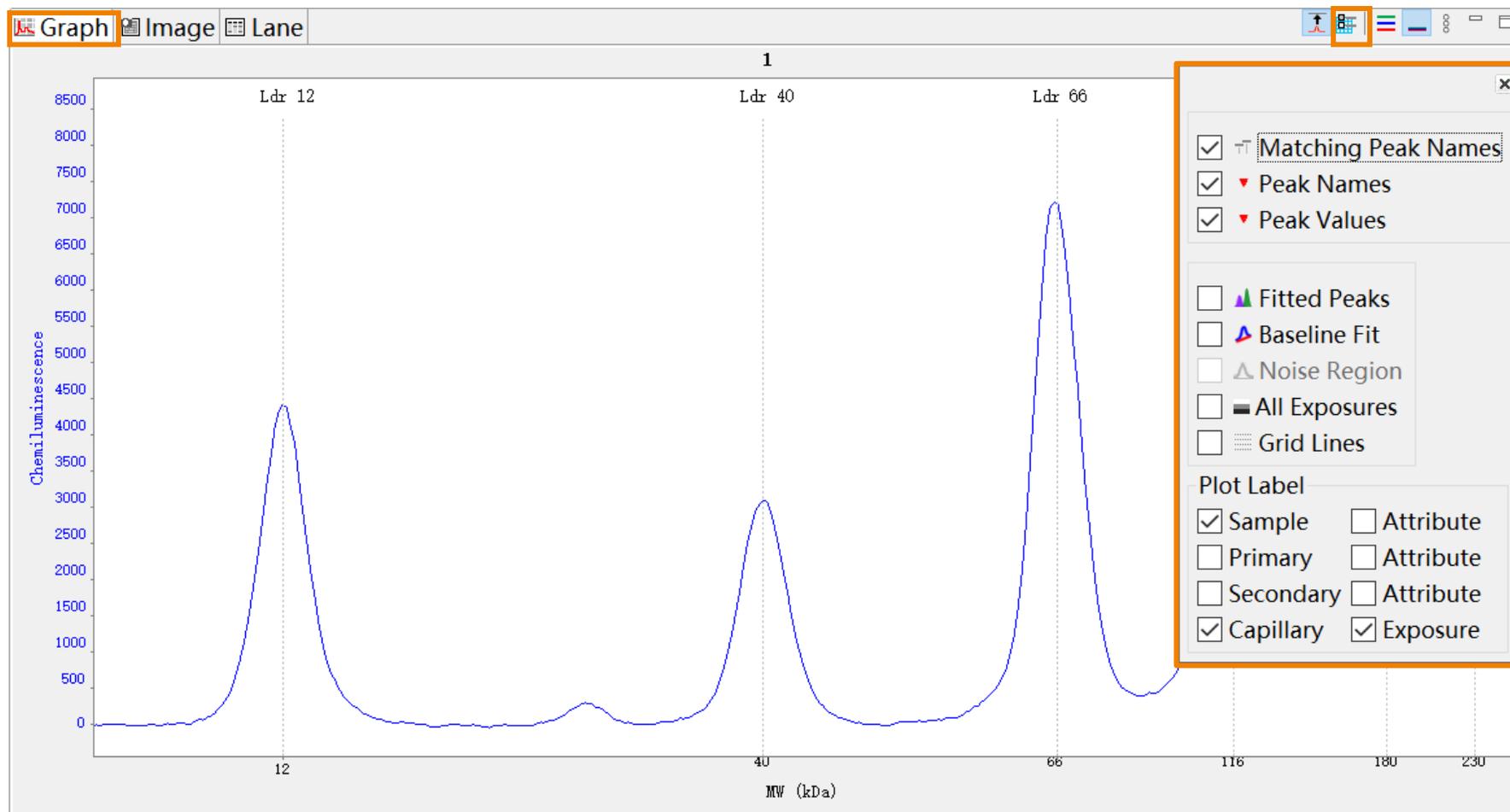
峰型图

- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



峰型图

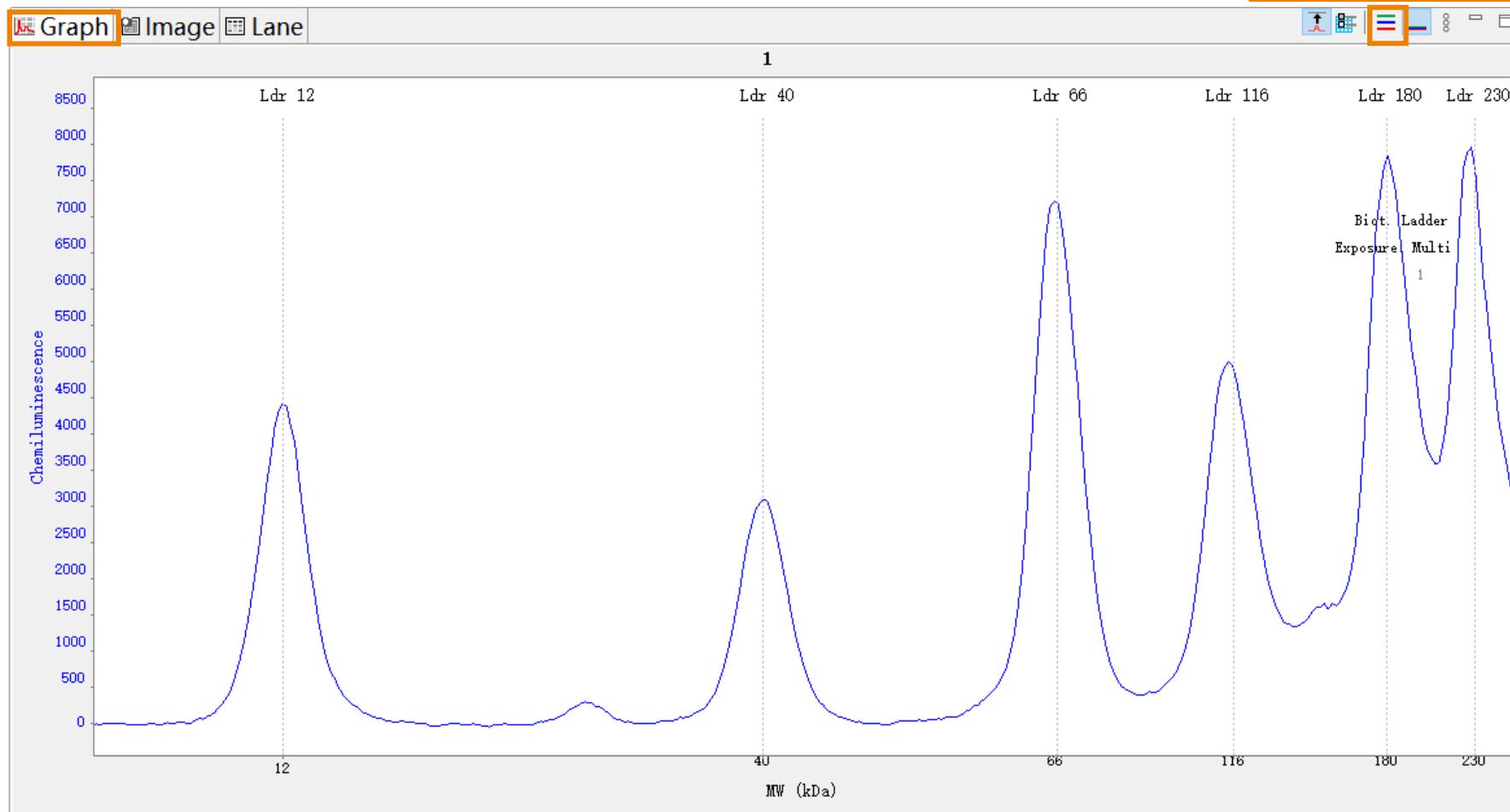
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



结果堆叠展示

峰型图

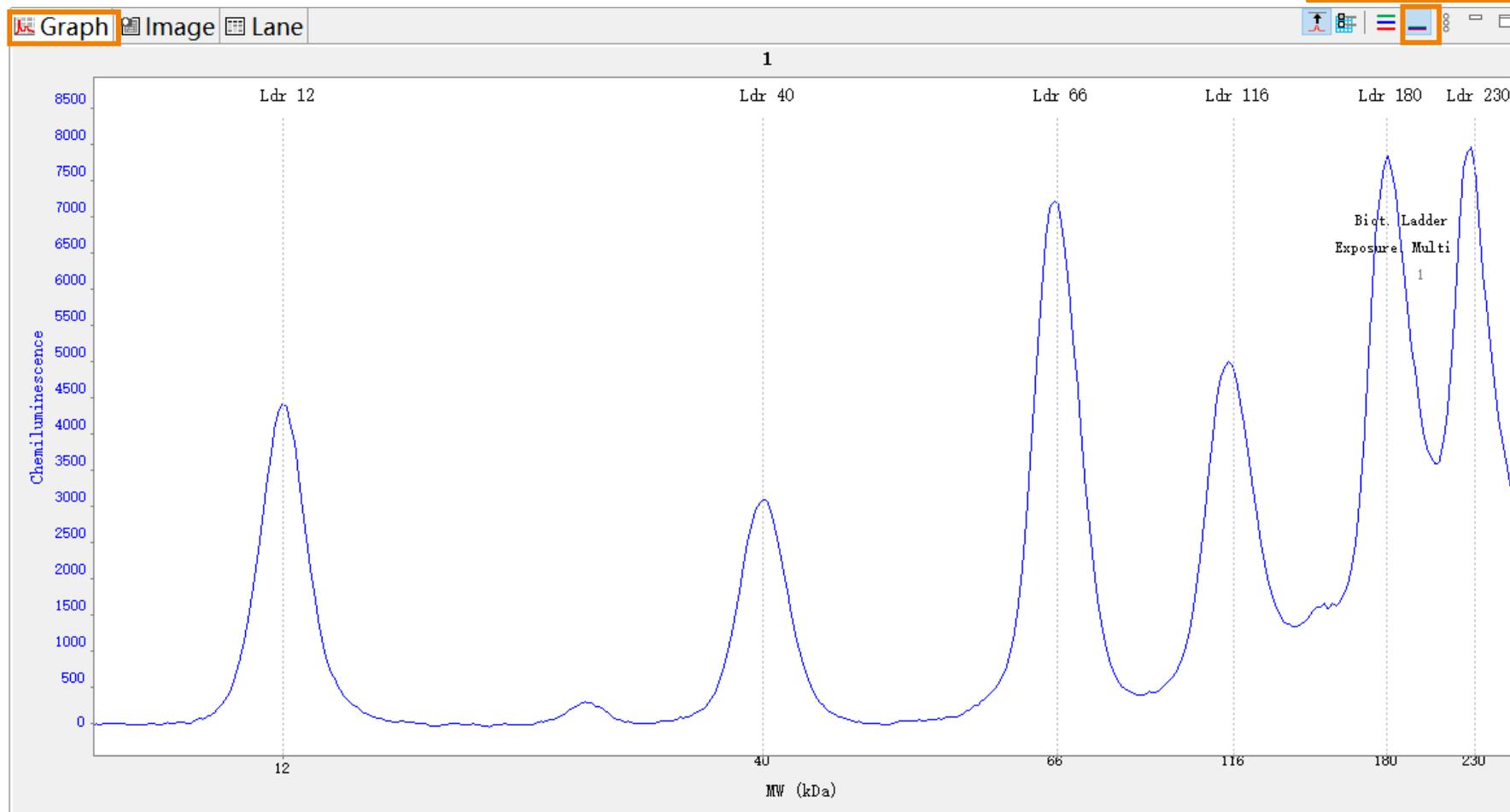
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



结果合并展示

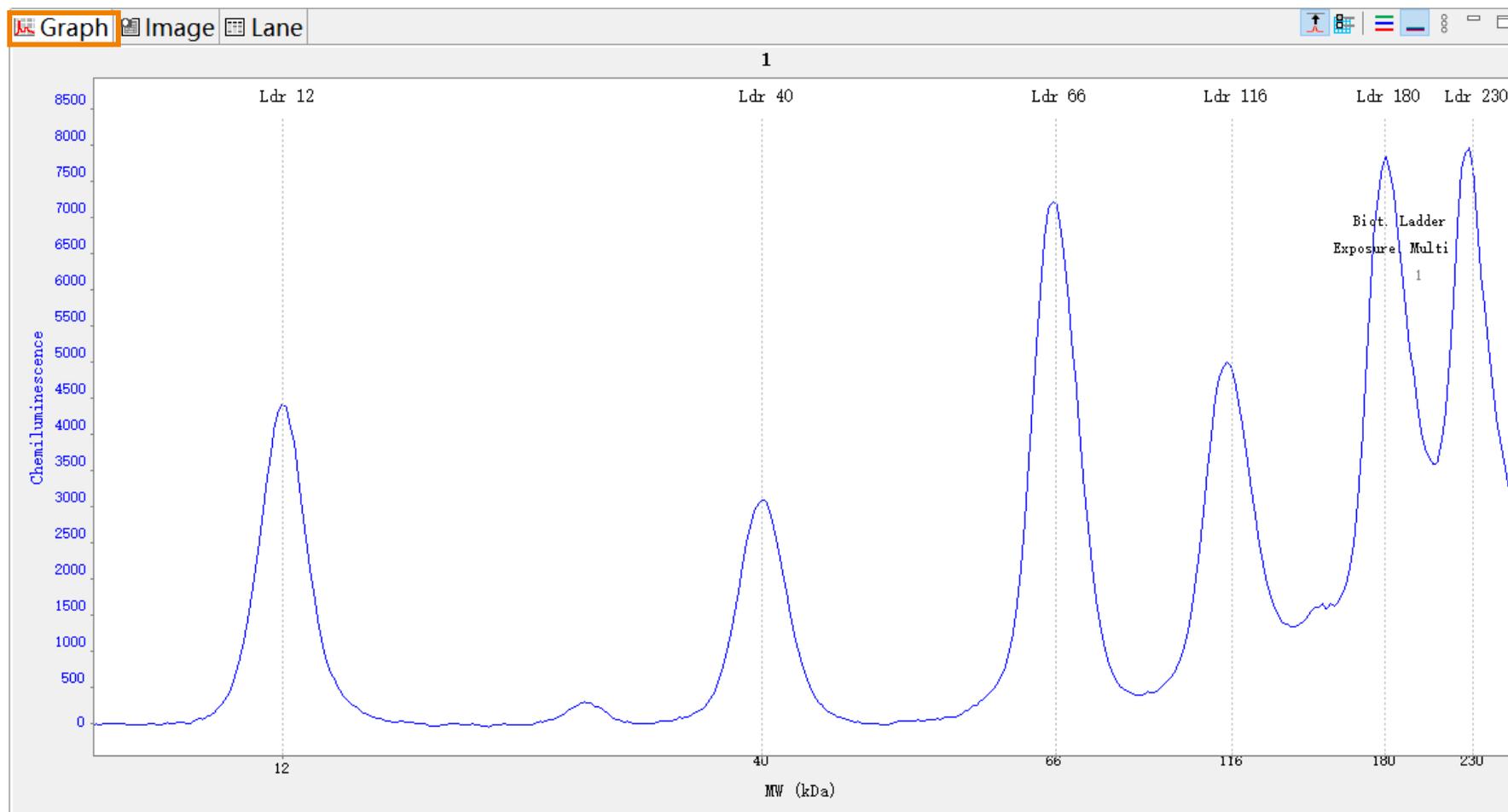
峰型图

- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



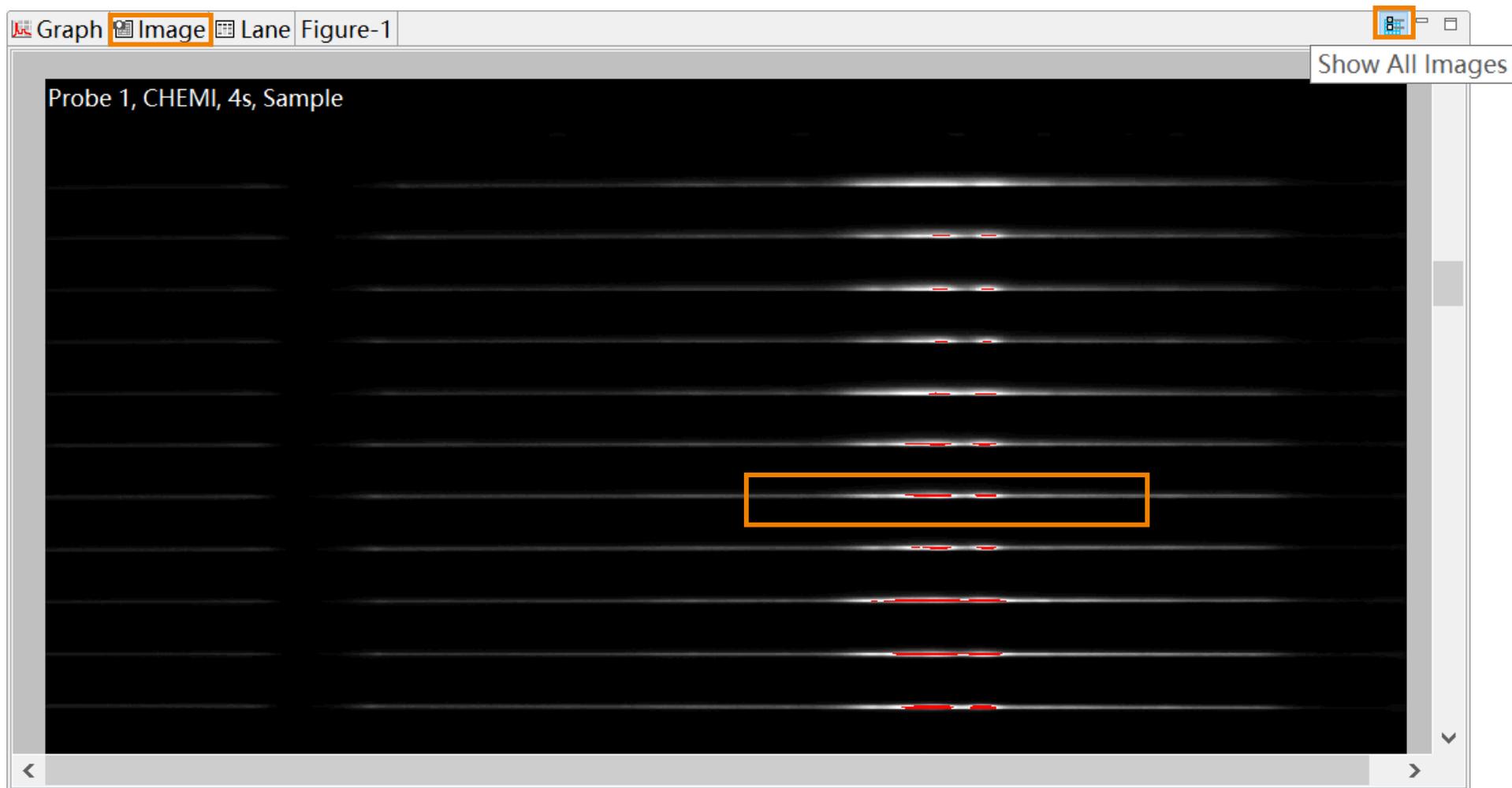
峰型图

- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不只一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



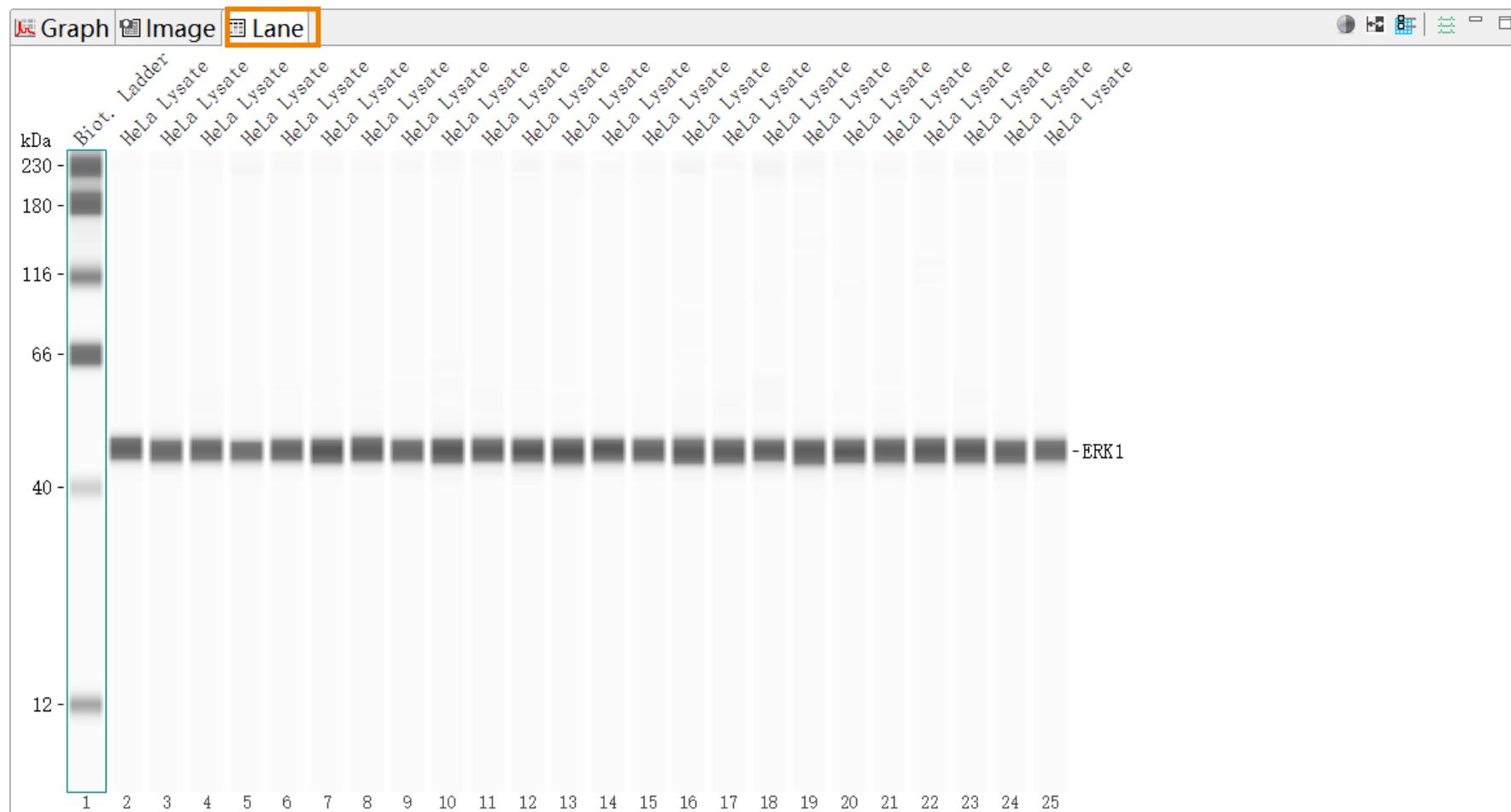
成像图

- 毛细管实际曝光结果
- 选择“Show All Images”后若信号过曝，毛细管曝光图中将出现红色像素点 (Compass v6.1.0)



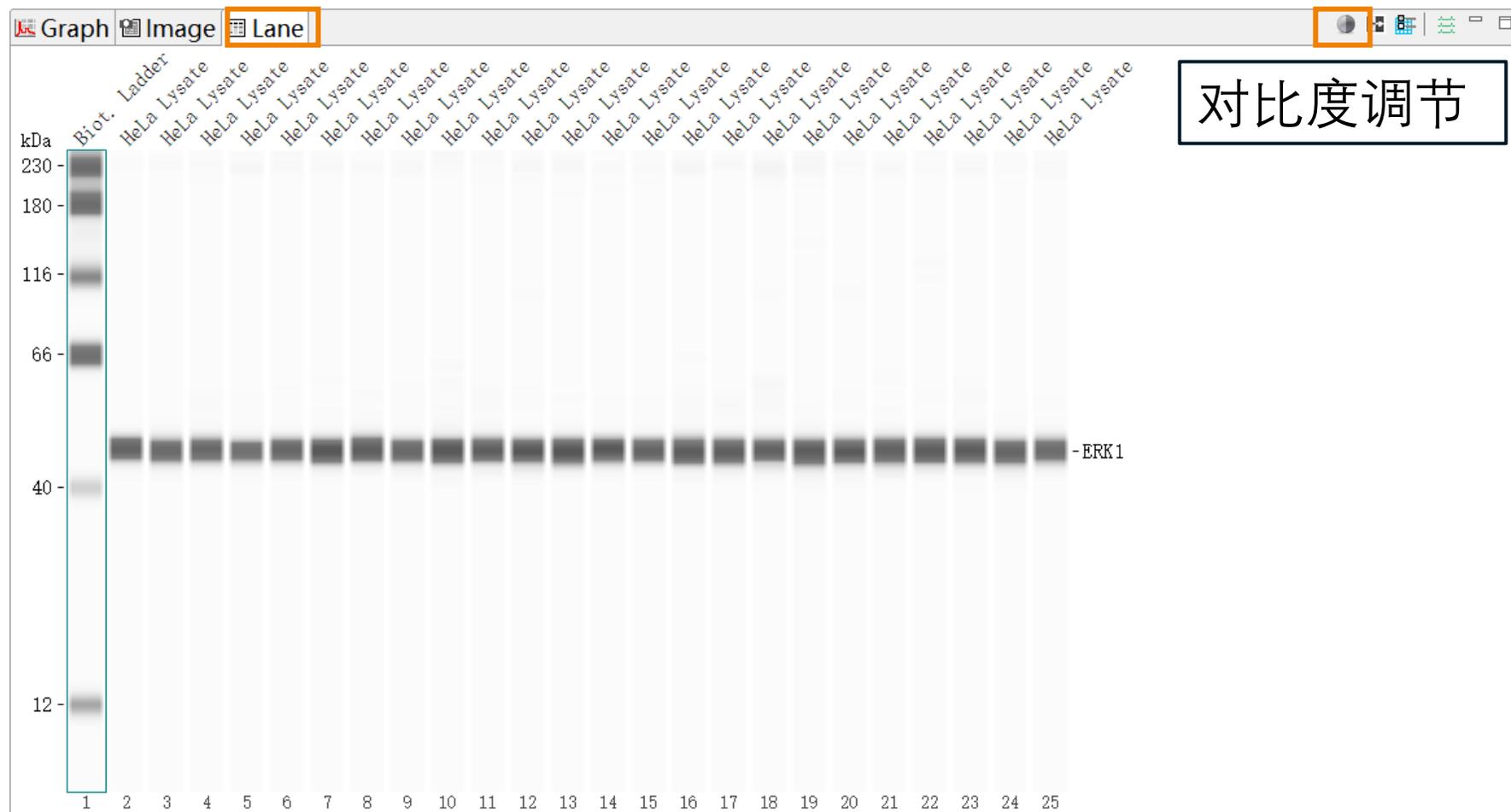
泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



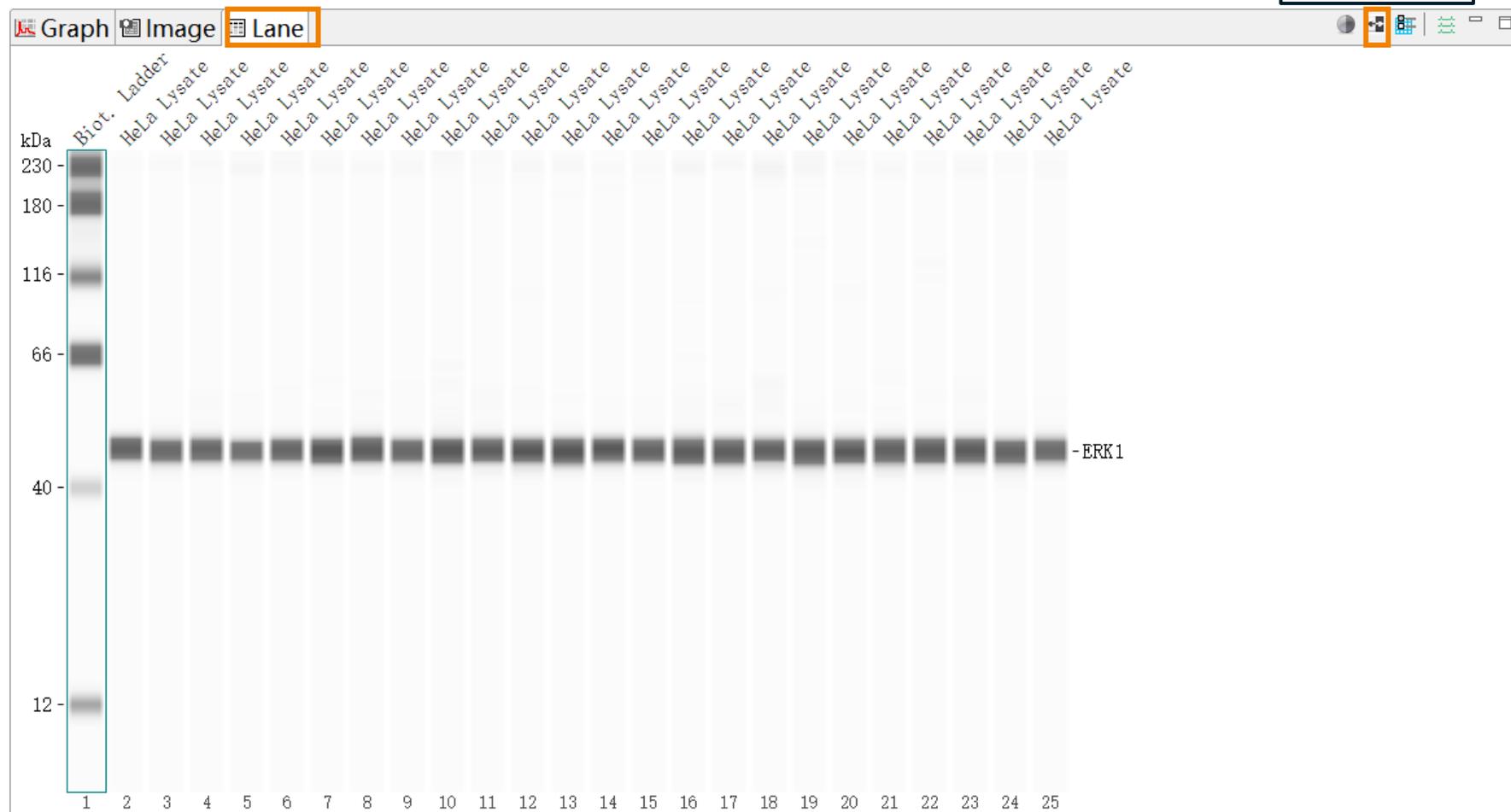
泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



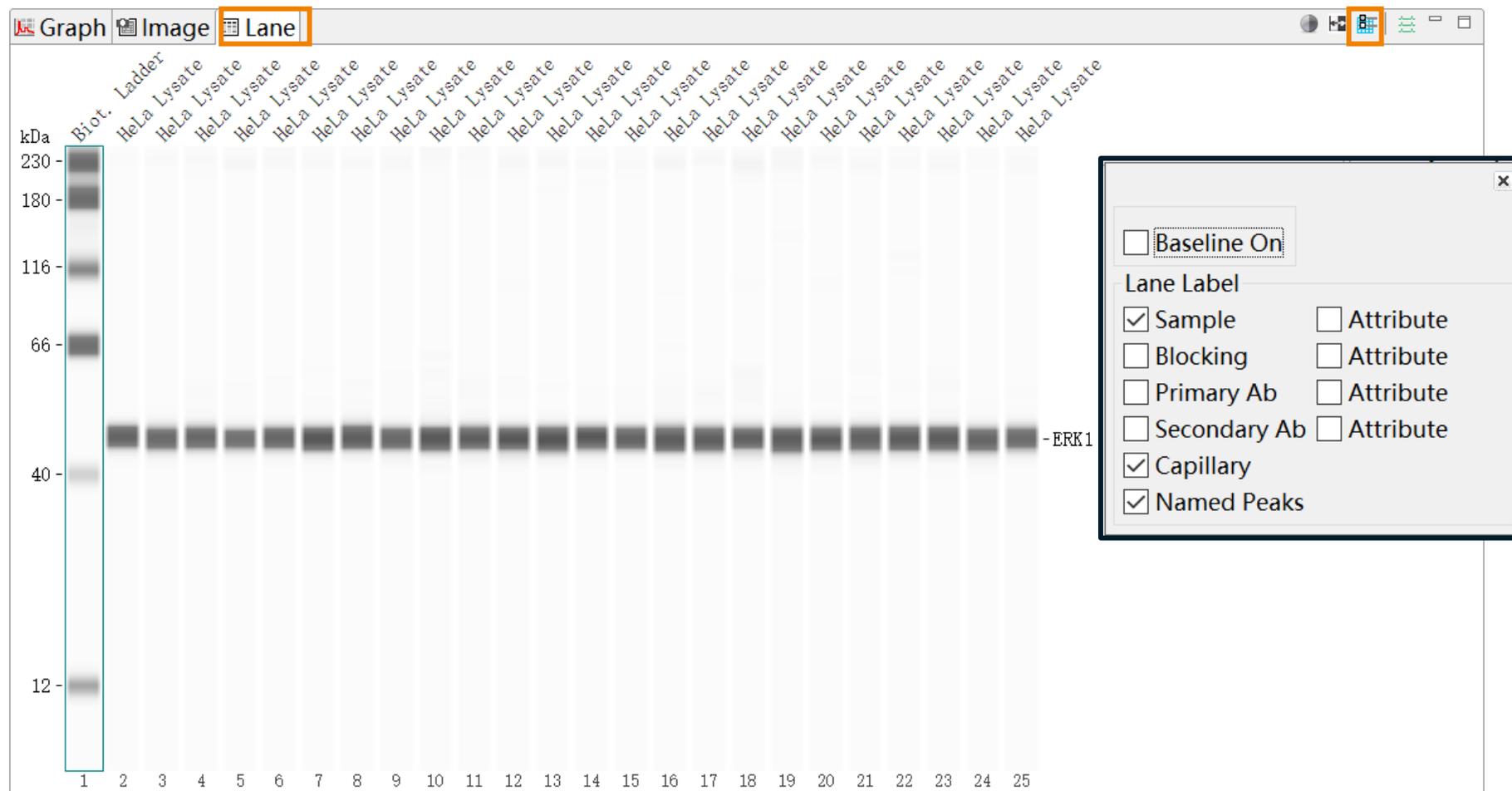
泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



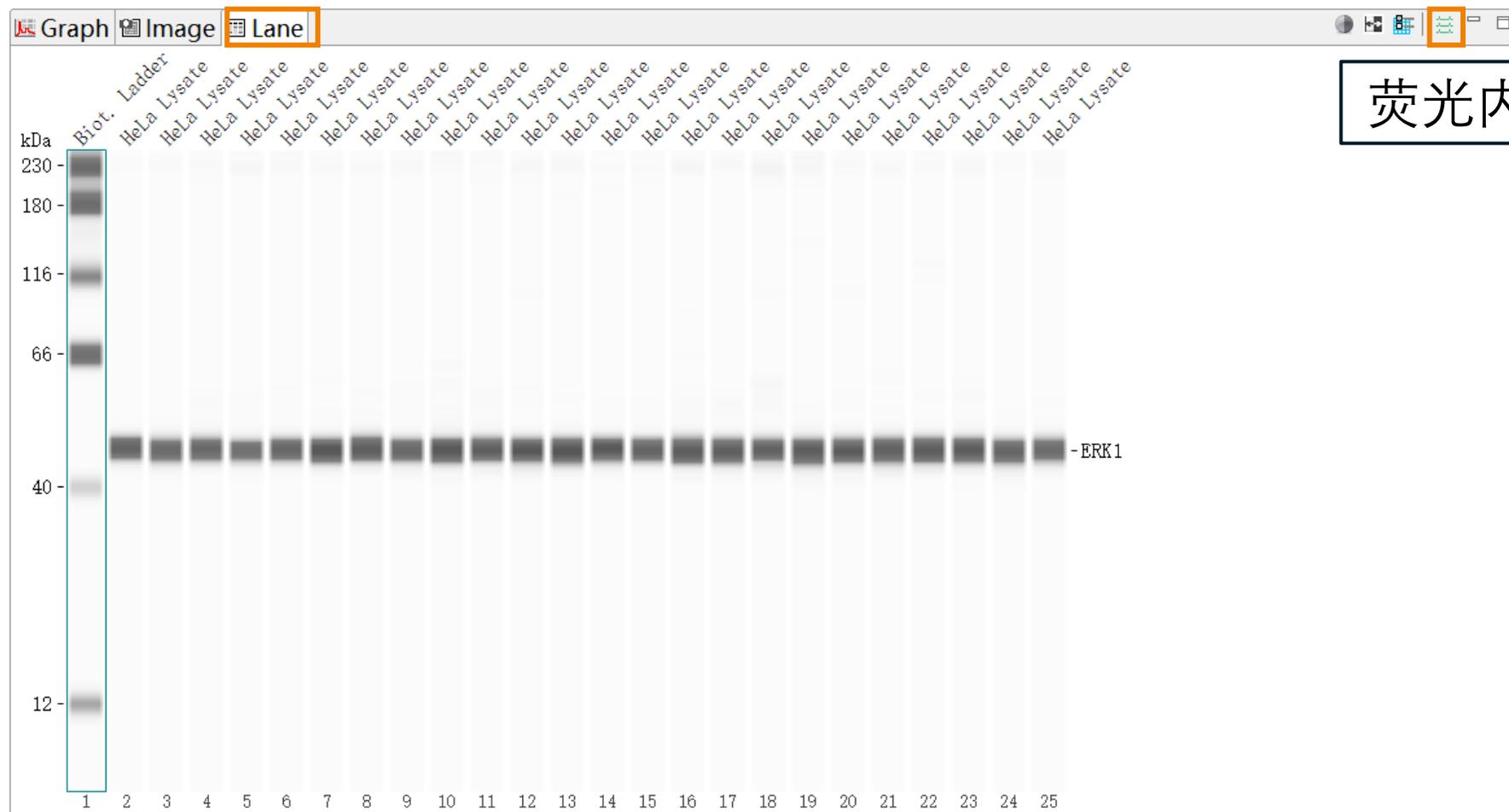
泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



泳道图

- 大部分报告的结果形式
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荧光内参

ANALYSIS 界面

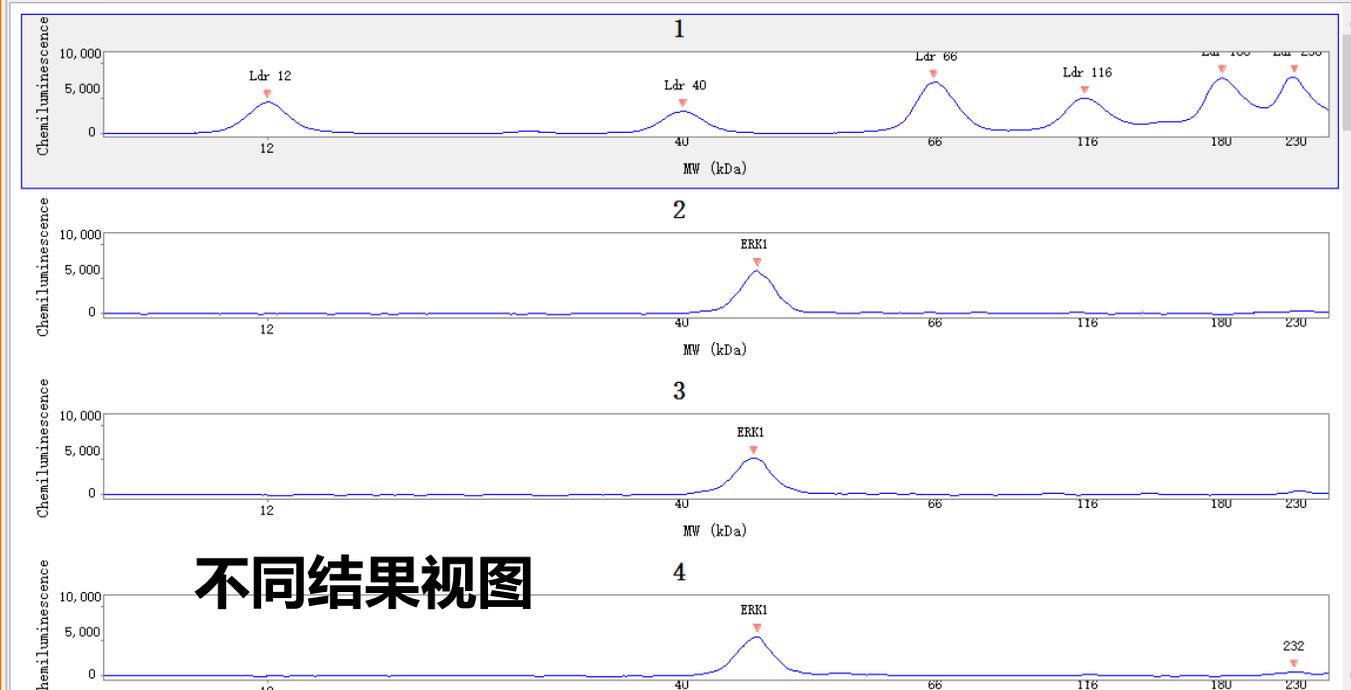
File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary C...	
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

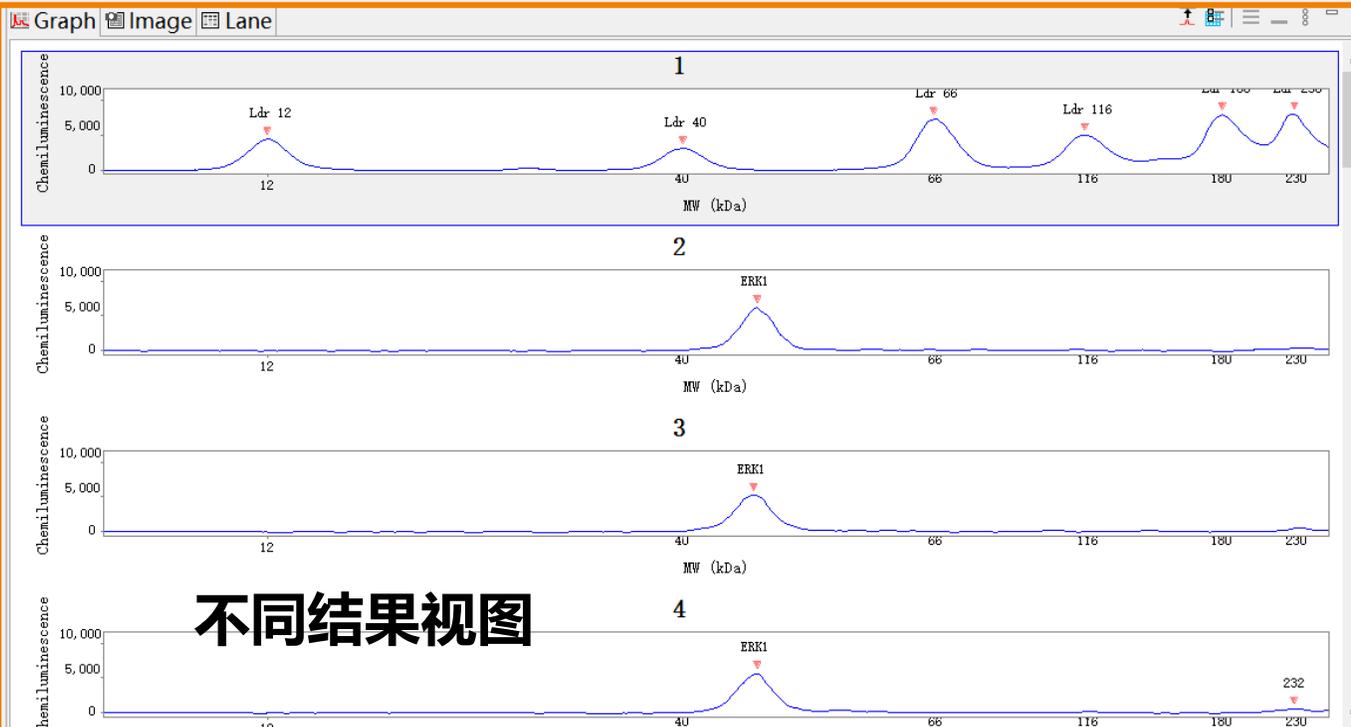
实验窗格

File Edit View Instrument Window Help

Standards Samples

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格



不同结果视图

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
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Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
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HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

峰统计数据表

File Edit View Instrument Window Help

Standards Samples

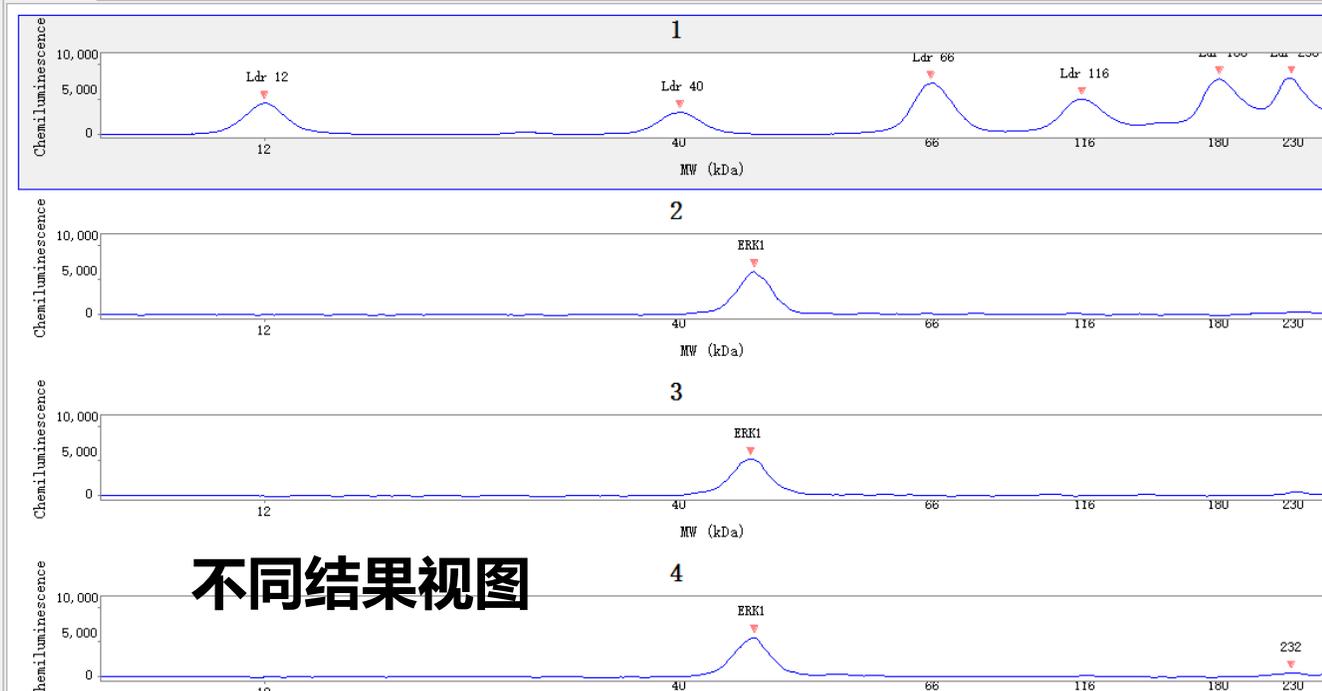
Assay Run Summary Analysis

Experiment

Graph Image Lane

Analysis Options Annotations

Sample	Primary C...	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25



不同结果视图

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

分析选项窗格

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

峰统计数据表

实验窗格

01

Compass 介绍

02

数据分析前检查

03

数据分析

- 请确保在查看数据前，先通过几个部分的检查确认实验没有问题，包括荧光内参确认、Ladder确认、数据质量确认
 - 荧光内参整齐并识别良好
 - Ladder 识别良好
 - 化学发光信号无过曝
 - 荧光通道相机无饱和 (Jess)
 - 背景无过高
 - 峰面积正常

1. 荧光内参整齐

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

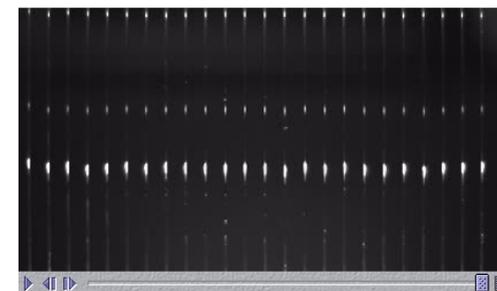
run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002
plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect	Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下	6:45 下

Separation IV Plot



1. 荧光内参整齐

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

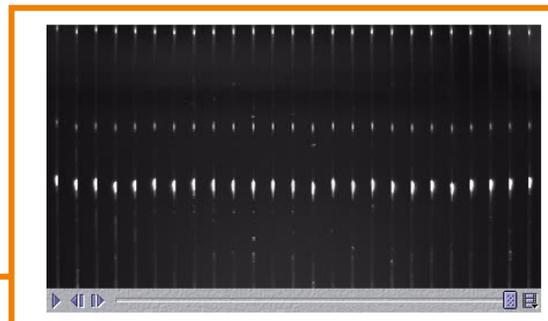
run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002
plate S/N 7751502228

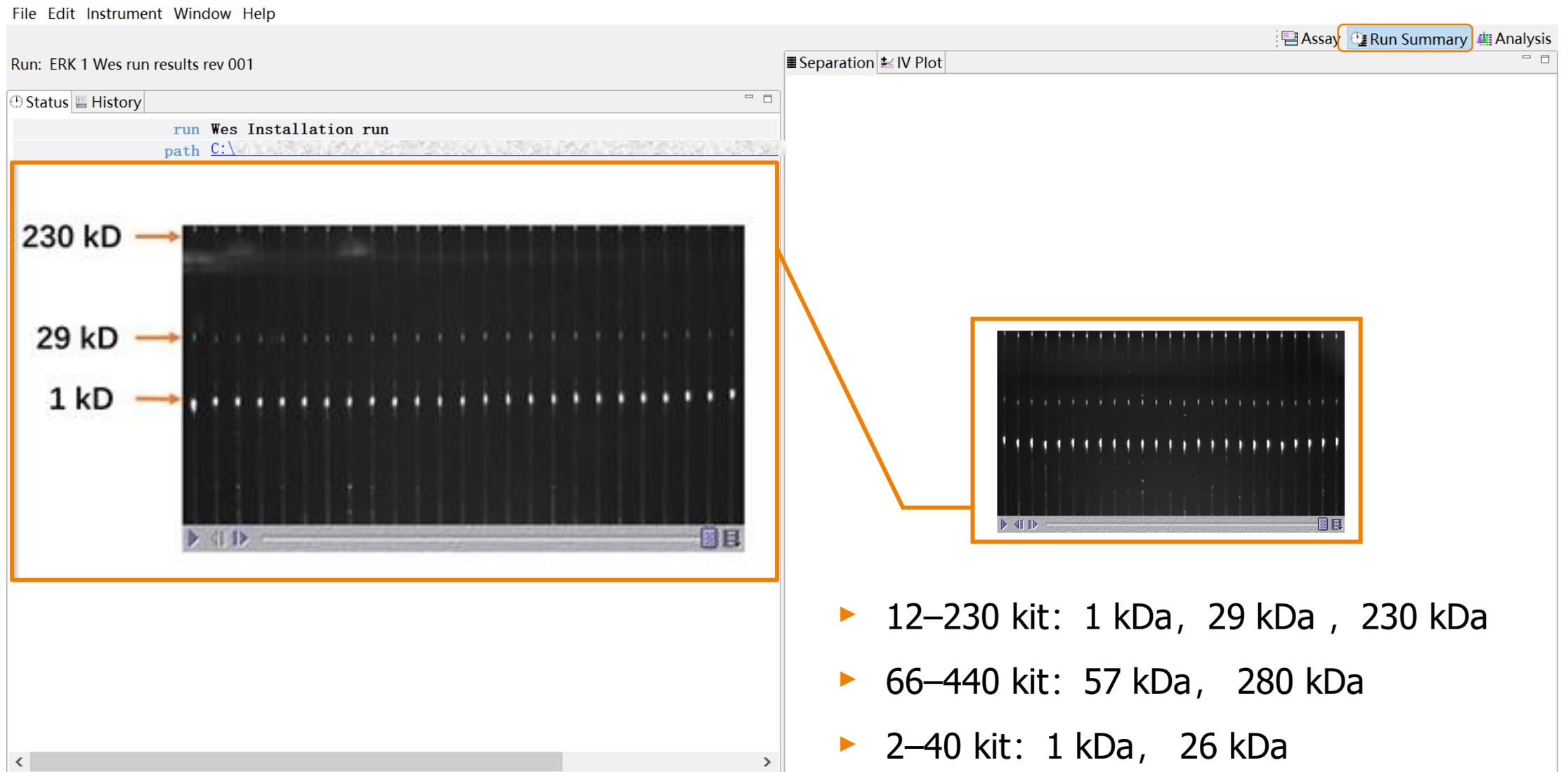
started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

Sample	Sep	B	1°	2°	Detect	Results
4:10 下	4:14 下	5:04 下	5:10 下	5:48 下	6:28 下	6:45 下

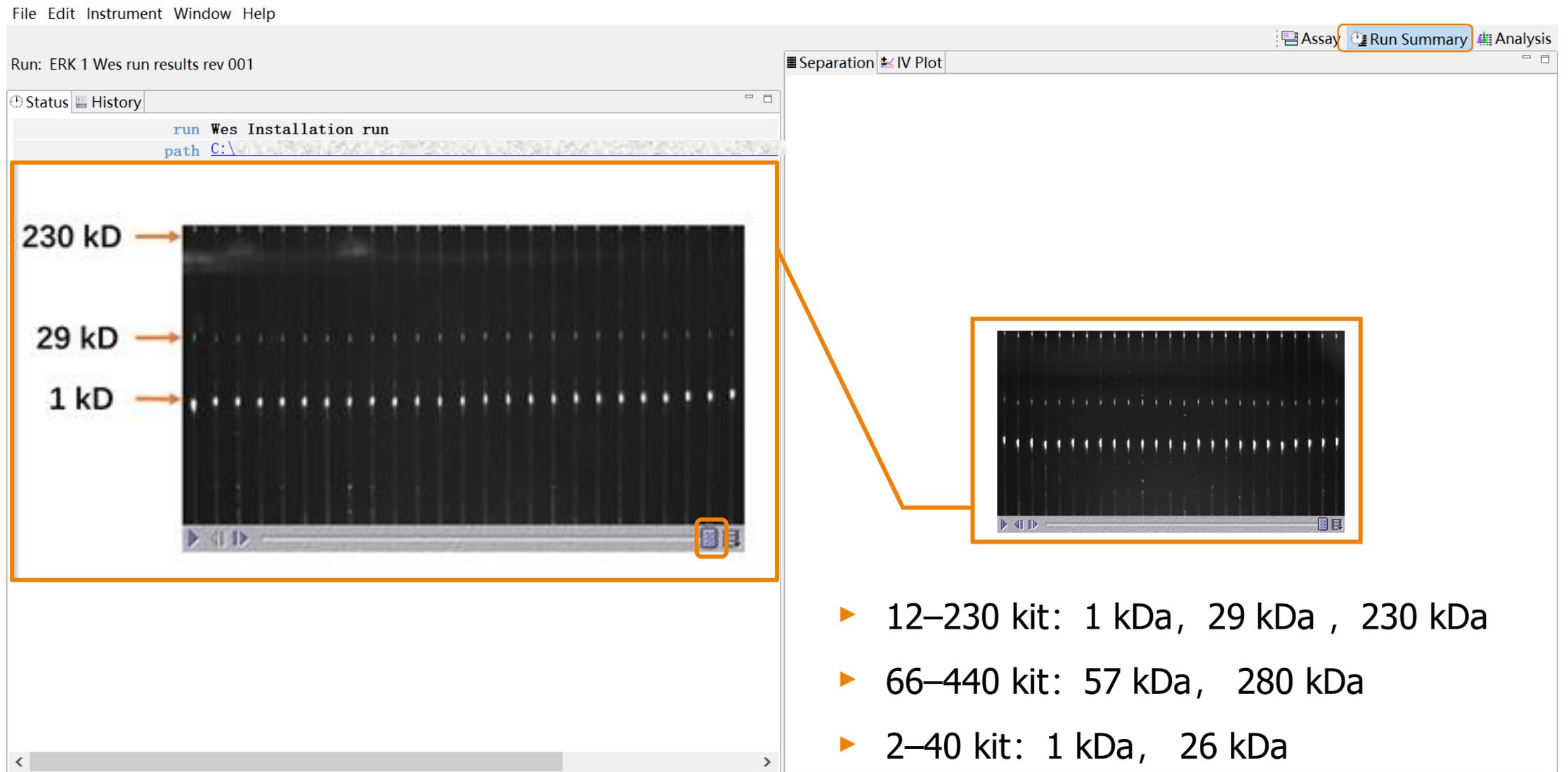
Separation IV Plot



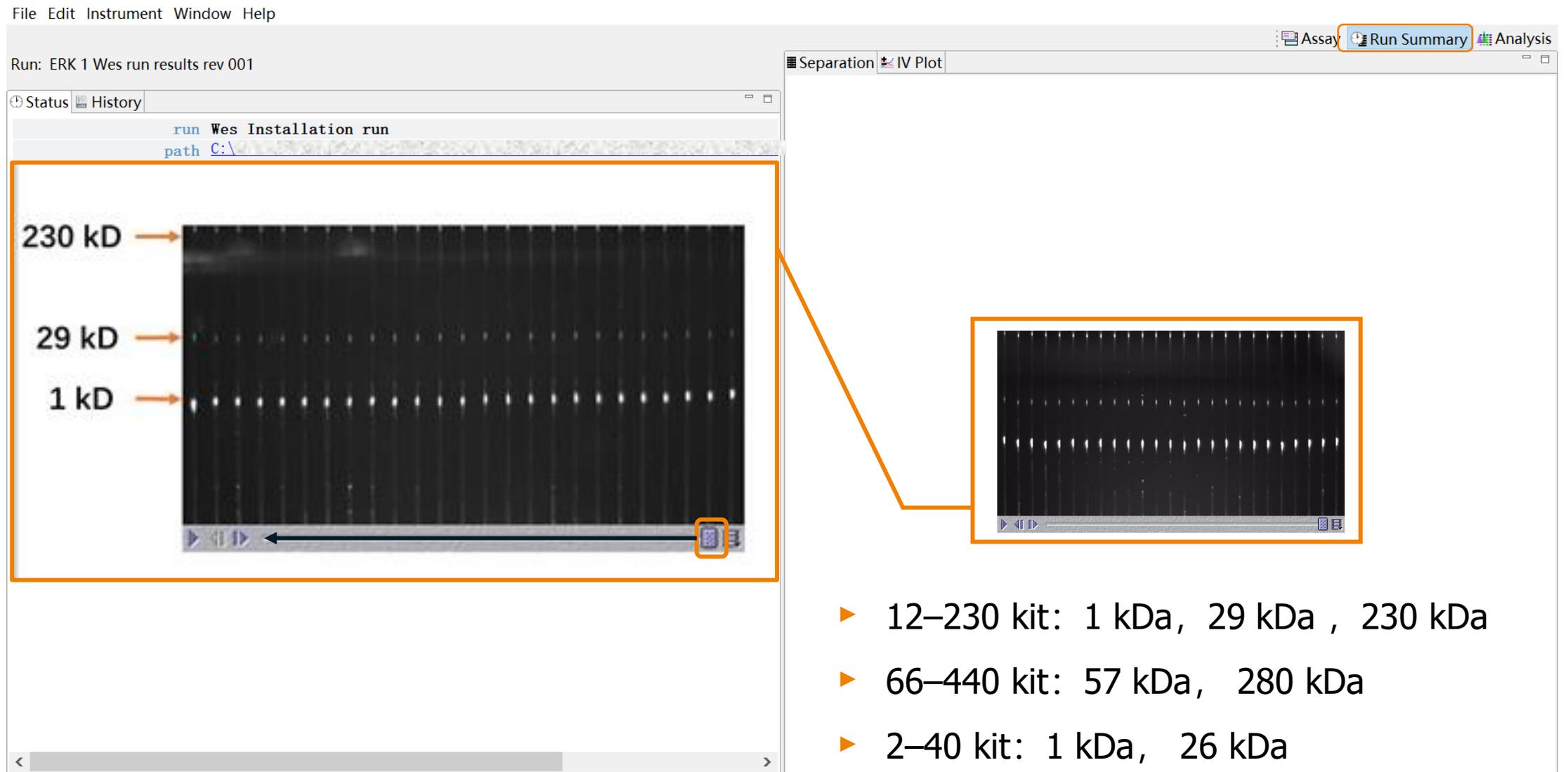
1. 荧光内参整齐



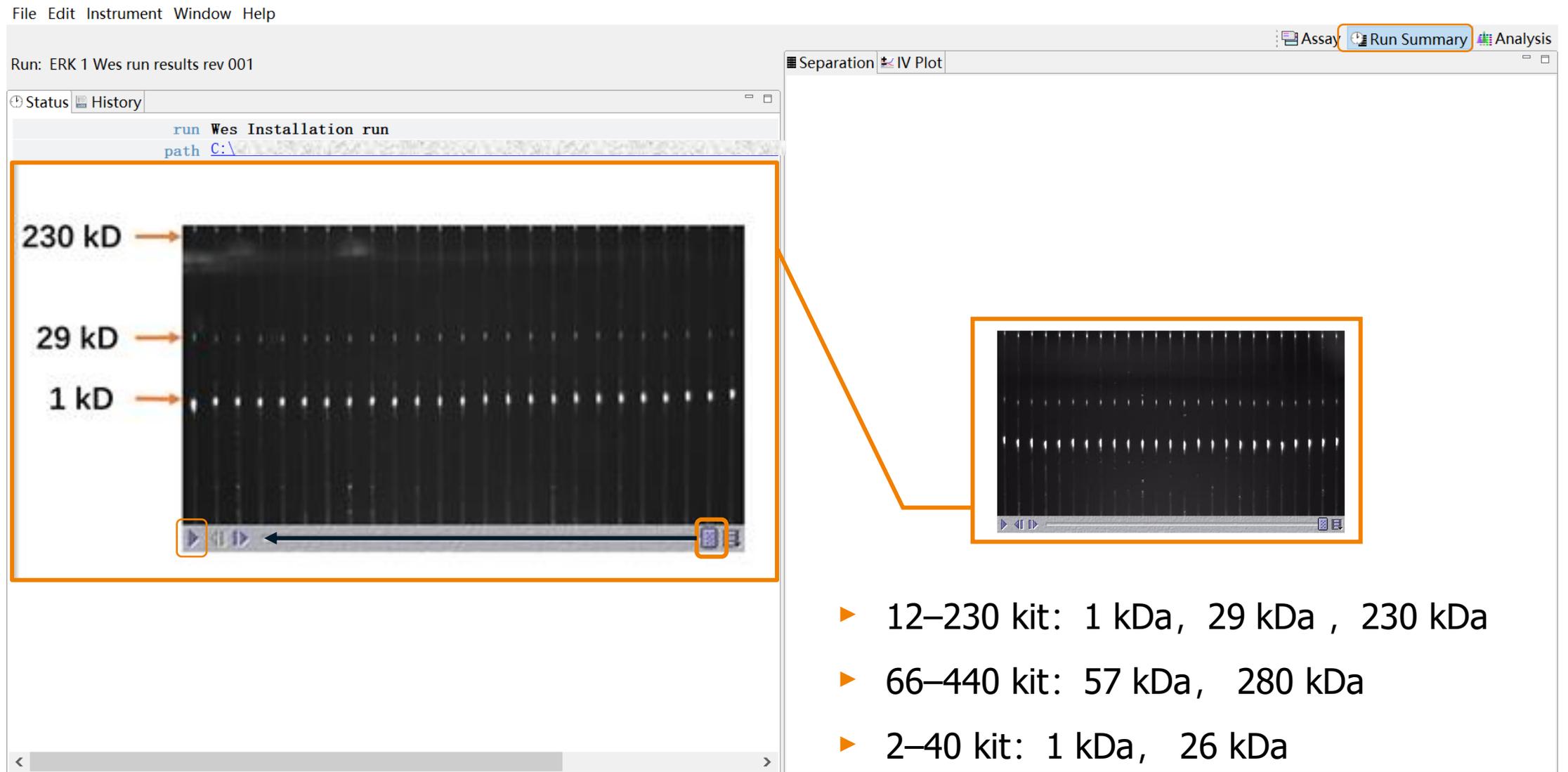
1. 荧光内参整齐



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1. 荧光内参整齐



1. 荧光内参整齐

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

HeLa Lysate
Exposure: 4s
2

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Posit...	Heig...
sHeLa L...	ERK...	2	1	262.6	122.6
sHeLa L...	ERK...	2	2	403.9	12.4
sHeLa L...	ERK...	2	3	646.0	24.0

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

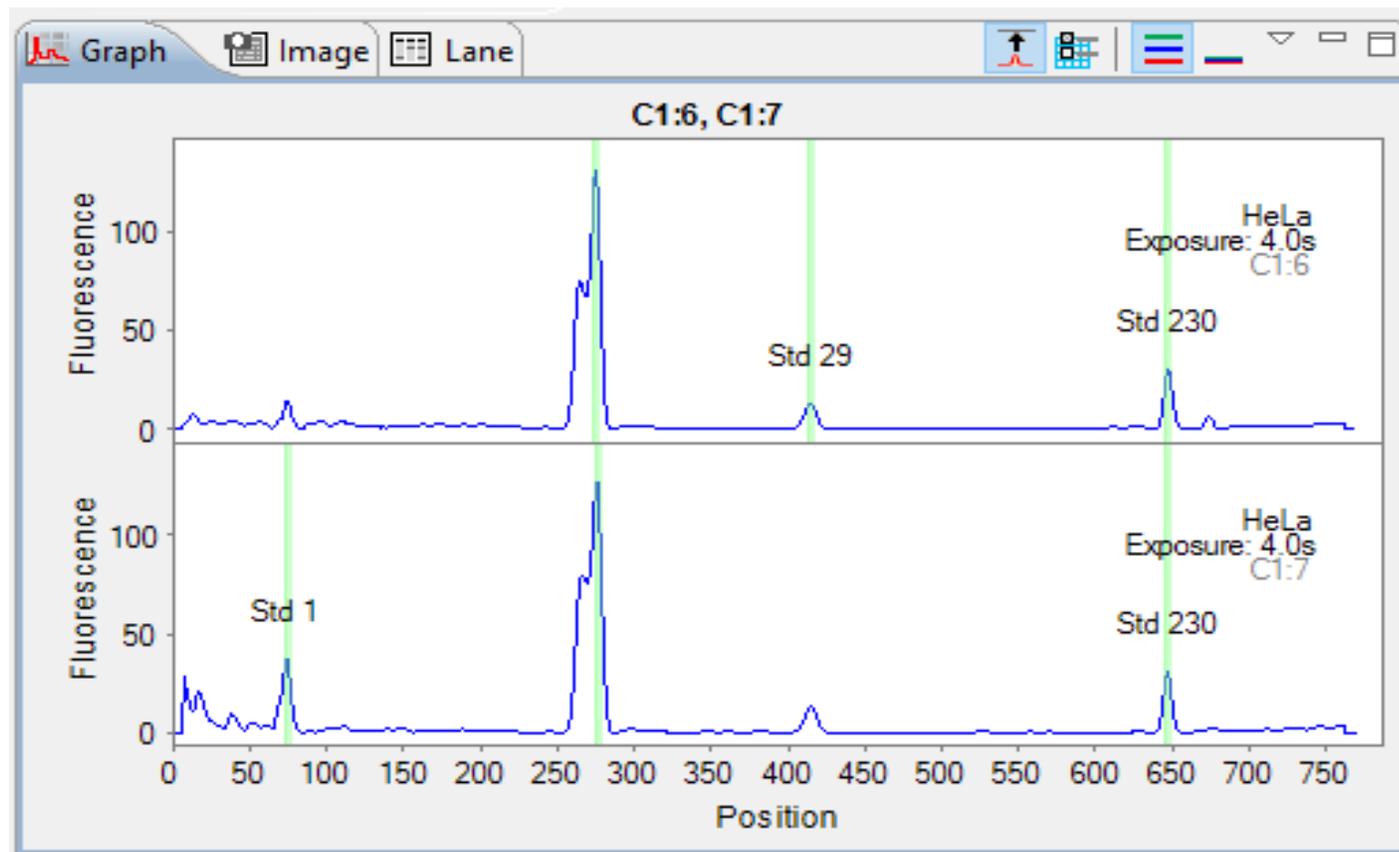
Caps

Modify

1. 荧光内参整齐

Compass 软件一般能自动识别校正荧光内参，但是偶尔也会识别不正确

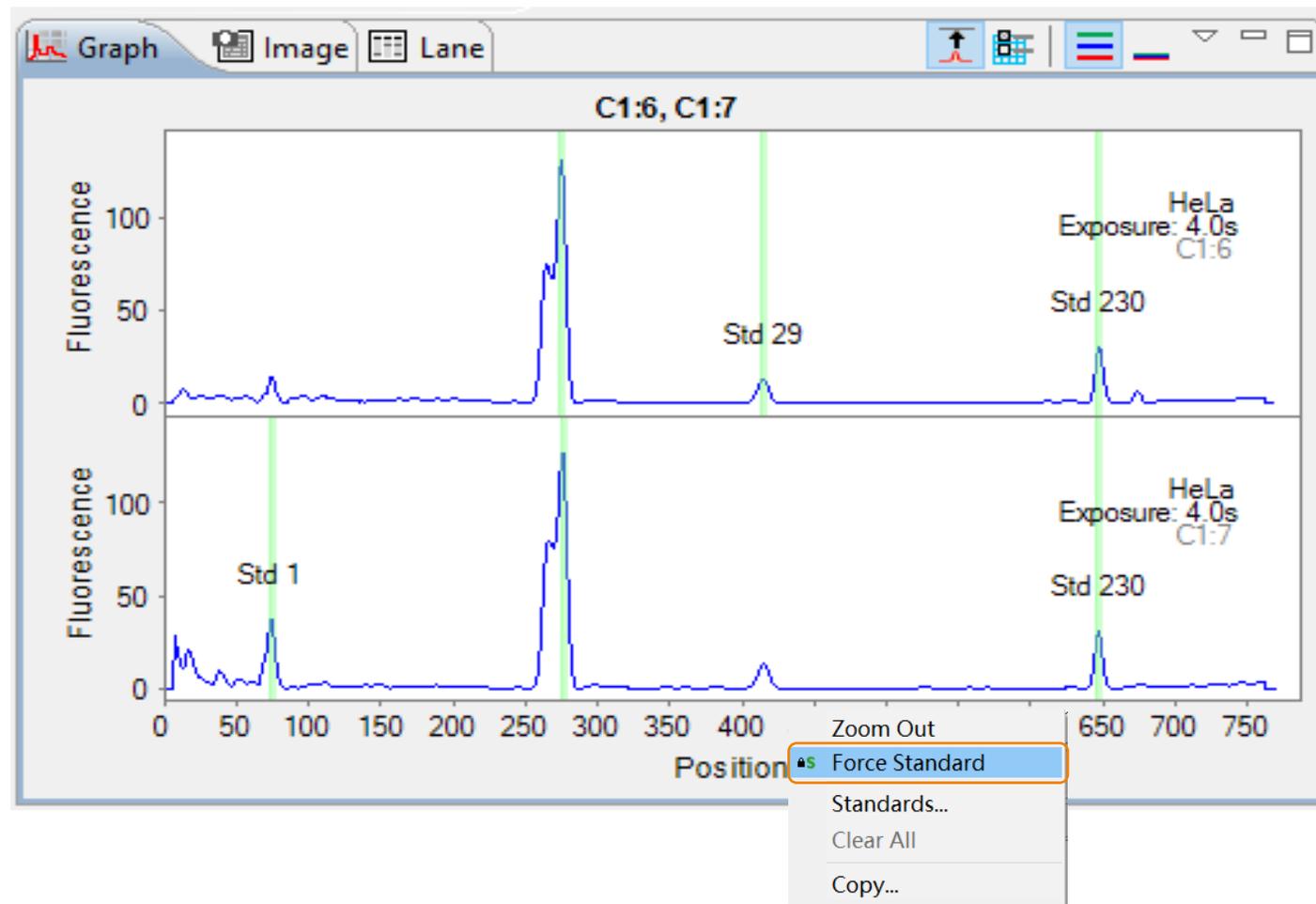
荧光内参识别不正确，将导致**分子量**
计算错误



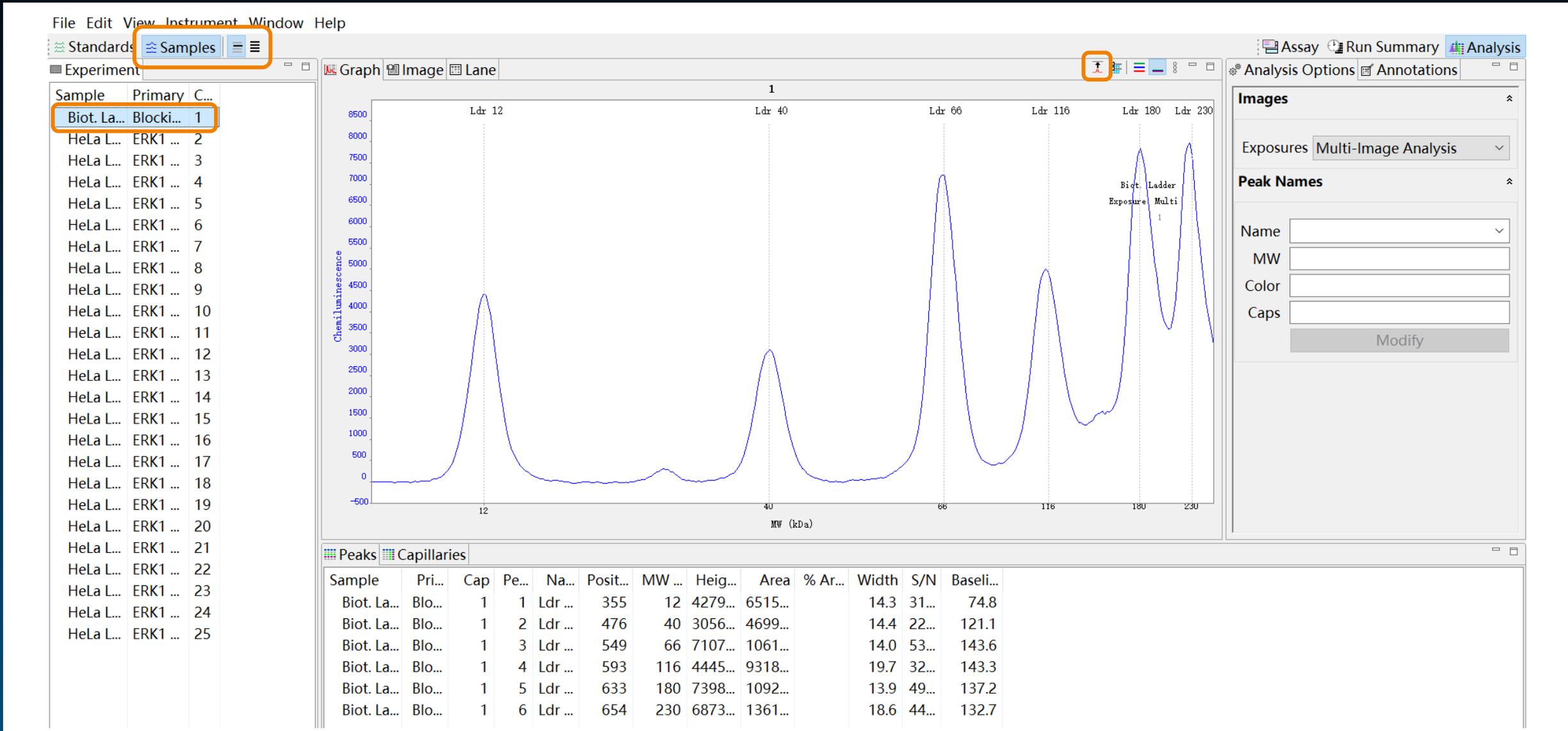
1. 荧光内参整齐

Compass 软件一般能自动识别校正荧光内参，但是偶尔也会识别不正确

荧光内参识别不正确，将导致**分子量**
计算错误



2. LADDER 识别良好



2. LADDER 识别良好

1. 如果 ladder 峰识别错误, 点击右键进行校正

- 注意您的 ladder 通道要选择正确

2. 如果有一个 ladder 峰不可见, 可能调整下视野

- 点击 View → View Region , 选择 *Full Range*,
可查看整个毛细管的视野数据

3. 如果不能通过识别来校正某个 *ladder* 峰

点击 Edit → analysis → ladders.

- 如有必要, 移除某个Ladder; 或选择 “none” 关闭 ladder 选项

Standards
Ladders
Images
Normalization
Peak Names
Peak Fit
Lane Contrast
Signal to Noise
Advanced

Ladders

Ladder

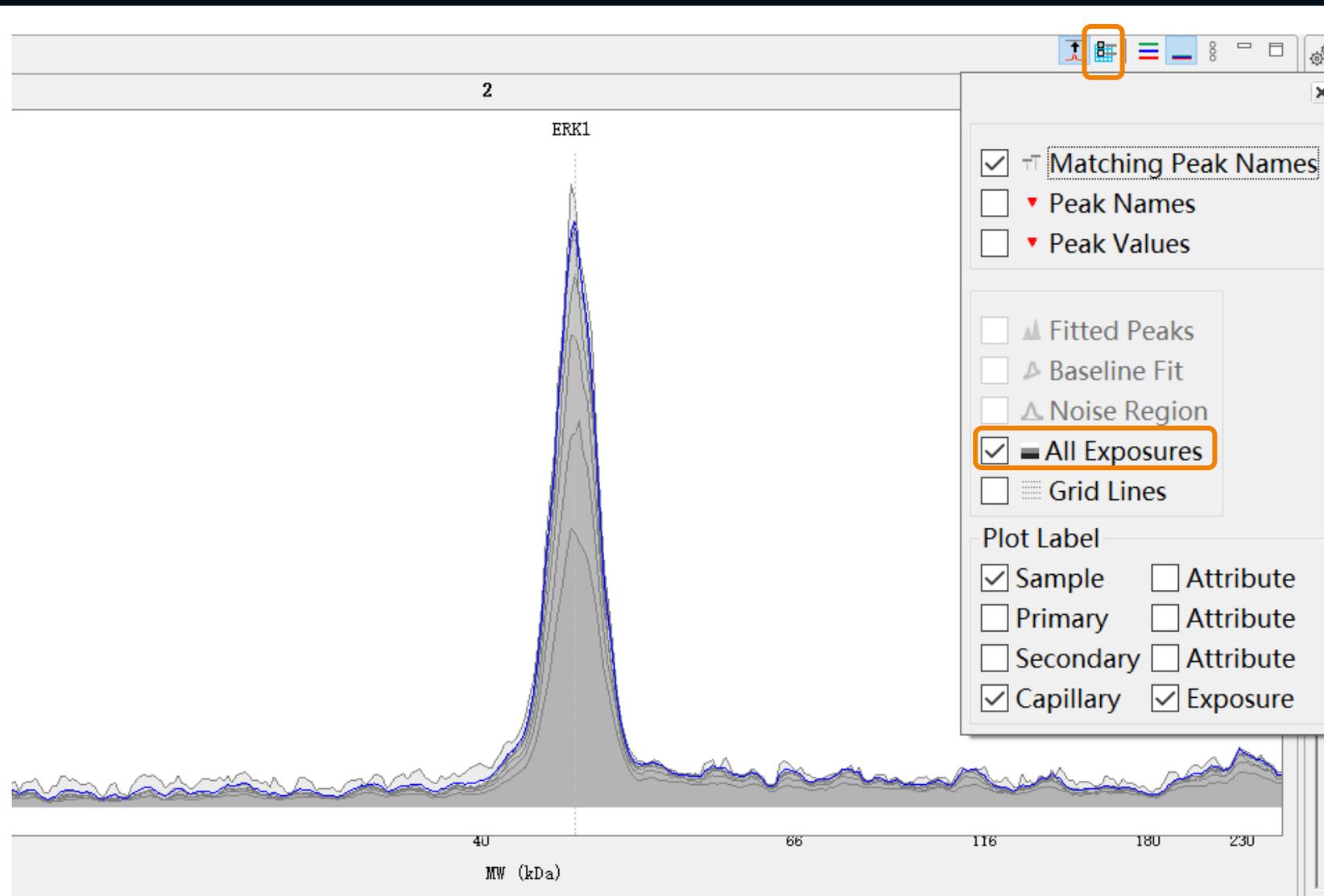
Channel: CHEMI

Capillary: None

MW (kDa)
12
40
66
116
180
230

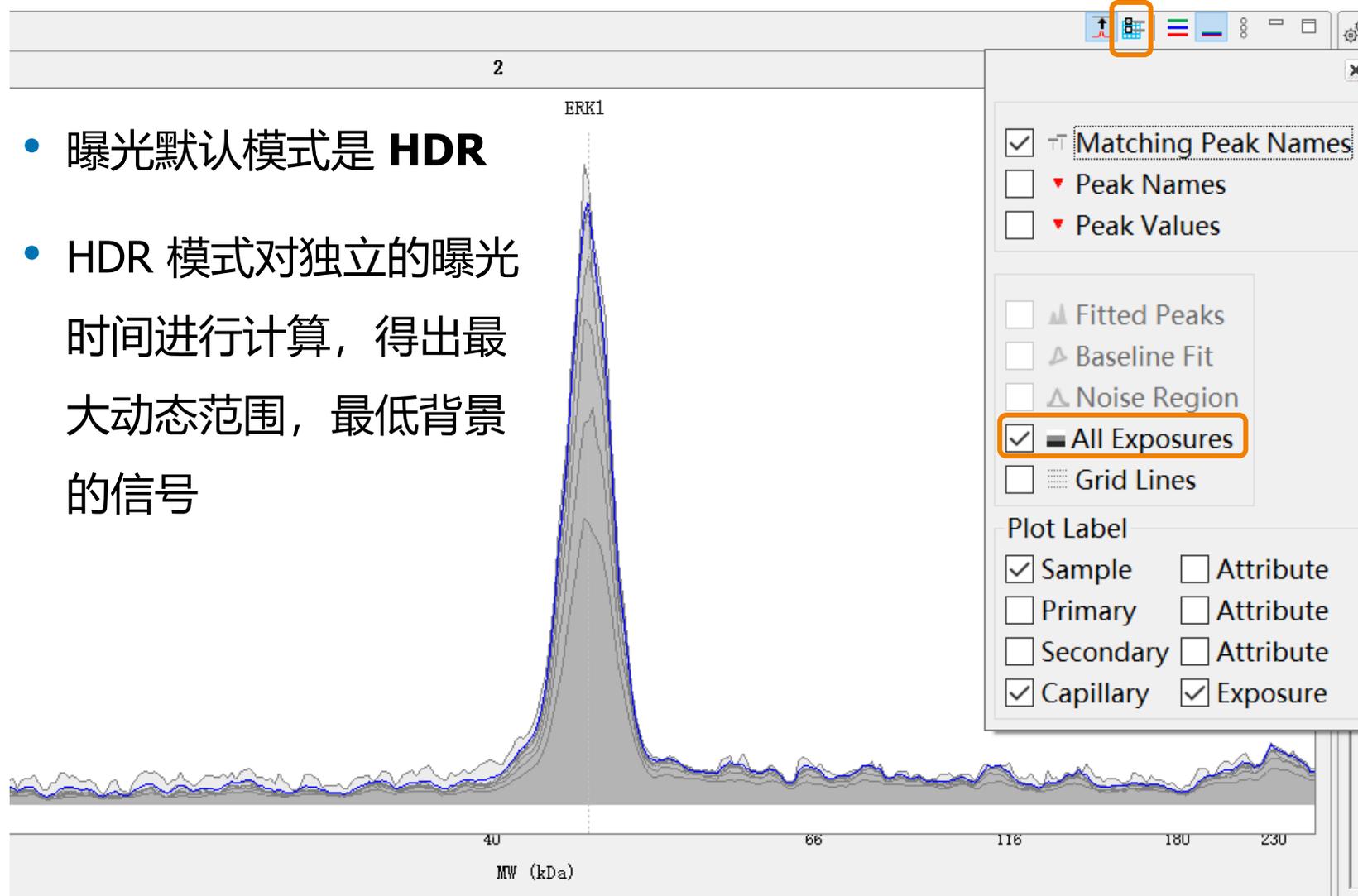
* 在没有 ladder 识别的情况下, Compass 软件依赖于每个毛细管内的**荧光内参**进行分子量计算

3. 化学发光信号无过曝



3. 化学发光信号无过曝

- 曝光默认模式是 **HDR**
- HDR 模式对独立的曝光时间进行计算，得出最大动态范围，最低背景的信号



Analysis Options

Images

Exposures High Dynamic Range

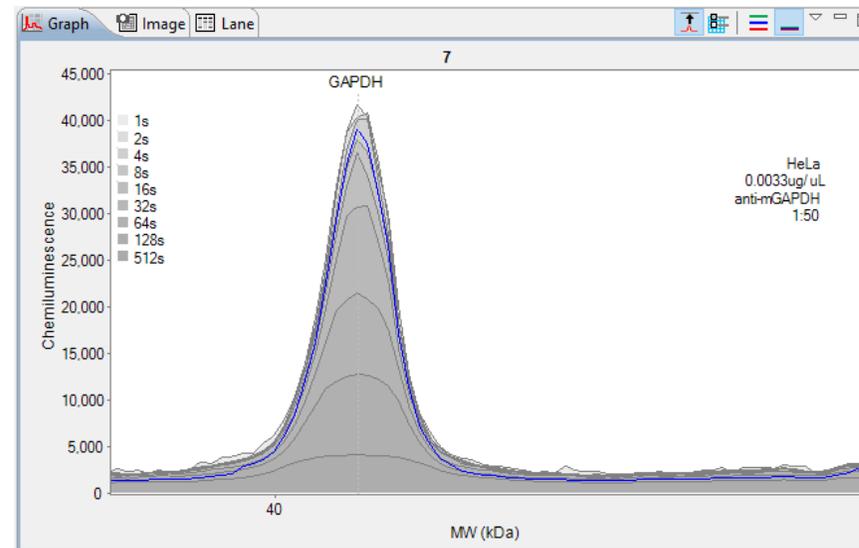
Peak Name High Dynamic Range

Name Exposure 1 1 sec
Exposure 2 2 secs
Exposure 3 4 secs
Exposure 4 8 secs
Exposure 5 16 secs
Exposure 6 32 secs
Exposure 7 64 secs
Exposure 8 128 secs
Exposure 9 512 secs

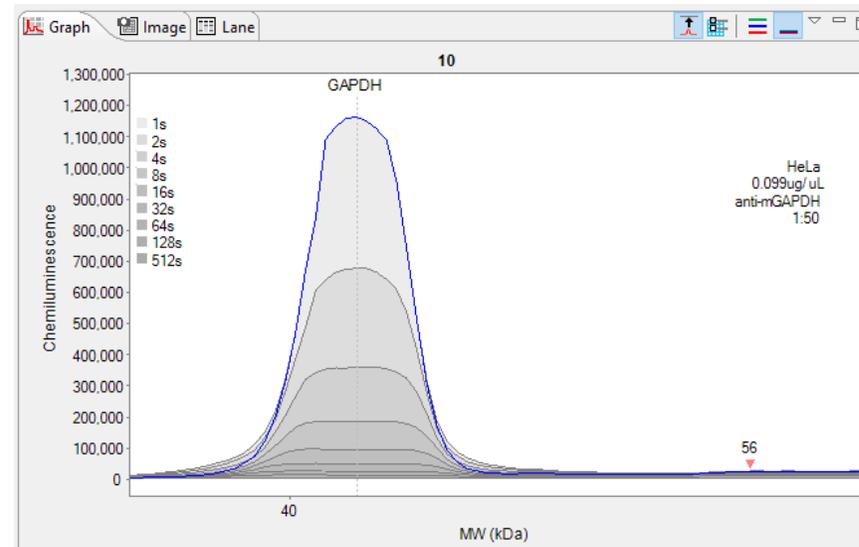
Modify

3. 化学发光信号无过曝

- 化学发光信号实际上是信号/时间的比值。
 - 在长曝光时间中，信号衰减，所以峰高下降
- 如果您看到在前几个曝光时间中，某个峰的信号明显下降，说明：
 - 化学发光底物消耗完
 - 该信号超出了动态范围
- 保持化学发光的峰高小于**300,000**



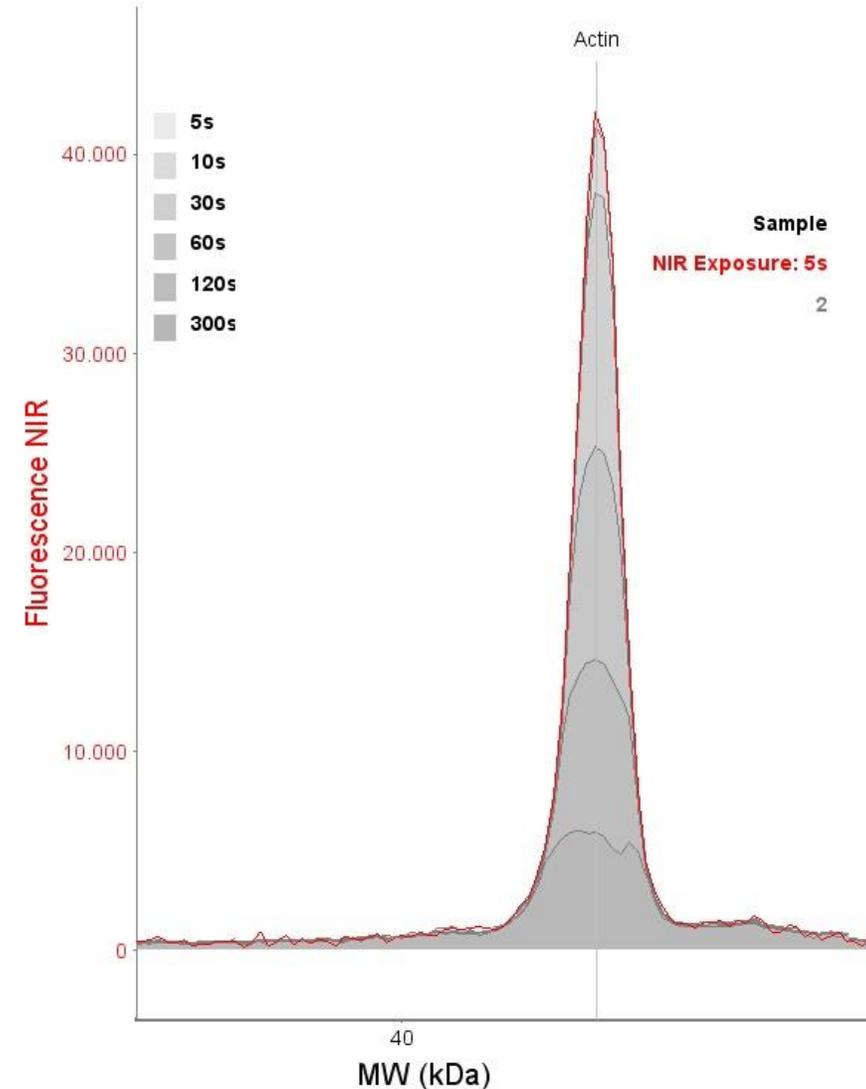
正常信号



过曝信号

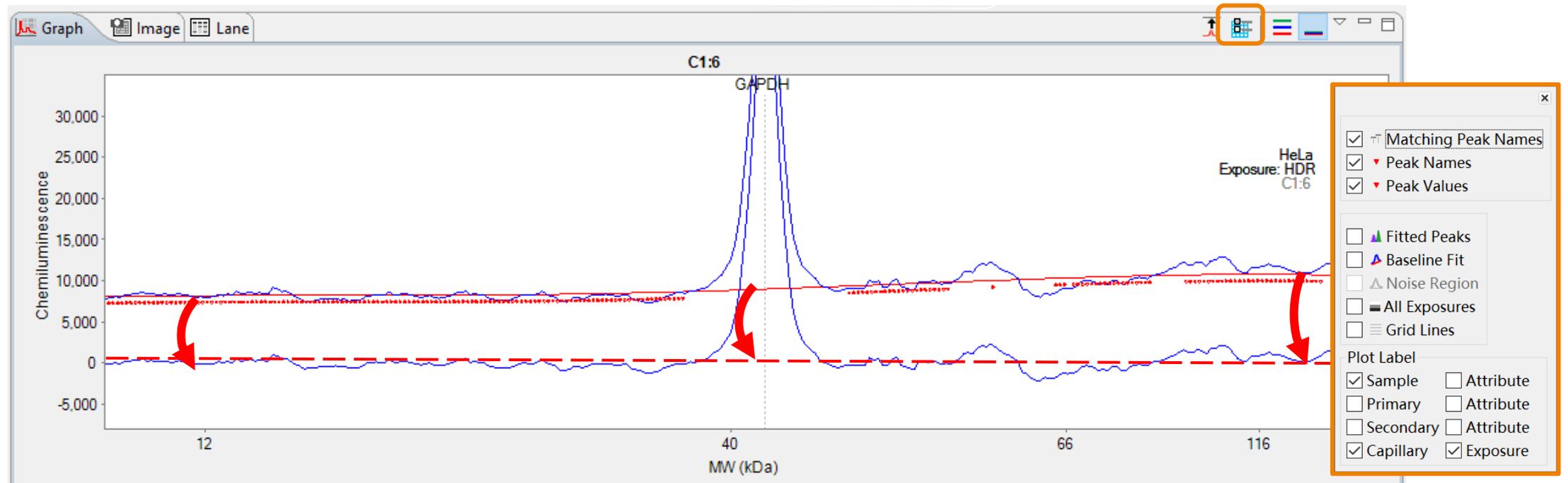
4. 荧光通道相机无饱和 (JESS)

- 在 NIR 通道中，信号太强有可能导致相机像素饱和
- 一旦观察到信号开始下降，说明相机饱和，最小的两个曝光时间峰应该重叠，否则说明相机较快饱和
- 分析数据时，建议选择HDR模式
- 保证荧光检测的峰高低于 60,000



5. 背景无过高———基线拟合

- 软件默认显示扣除背景后的信号曲线 (背景设为0)
- 要观察基线, 需要勾选 "Baseline fit"; 基线参数设置在 Edit→Analysis...中
- 软件根据基线下面的点拟合出基线, 可添加或删除基线点

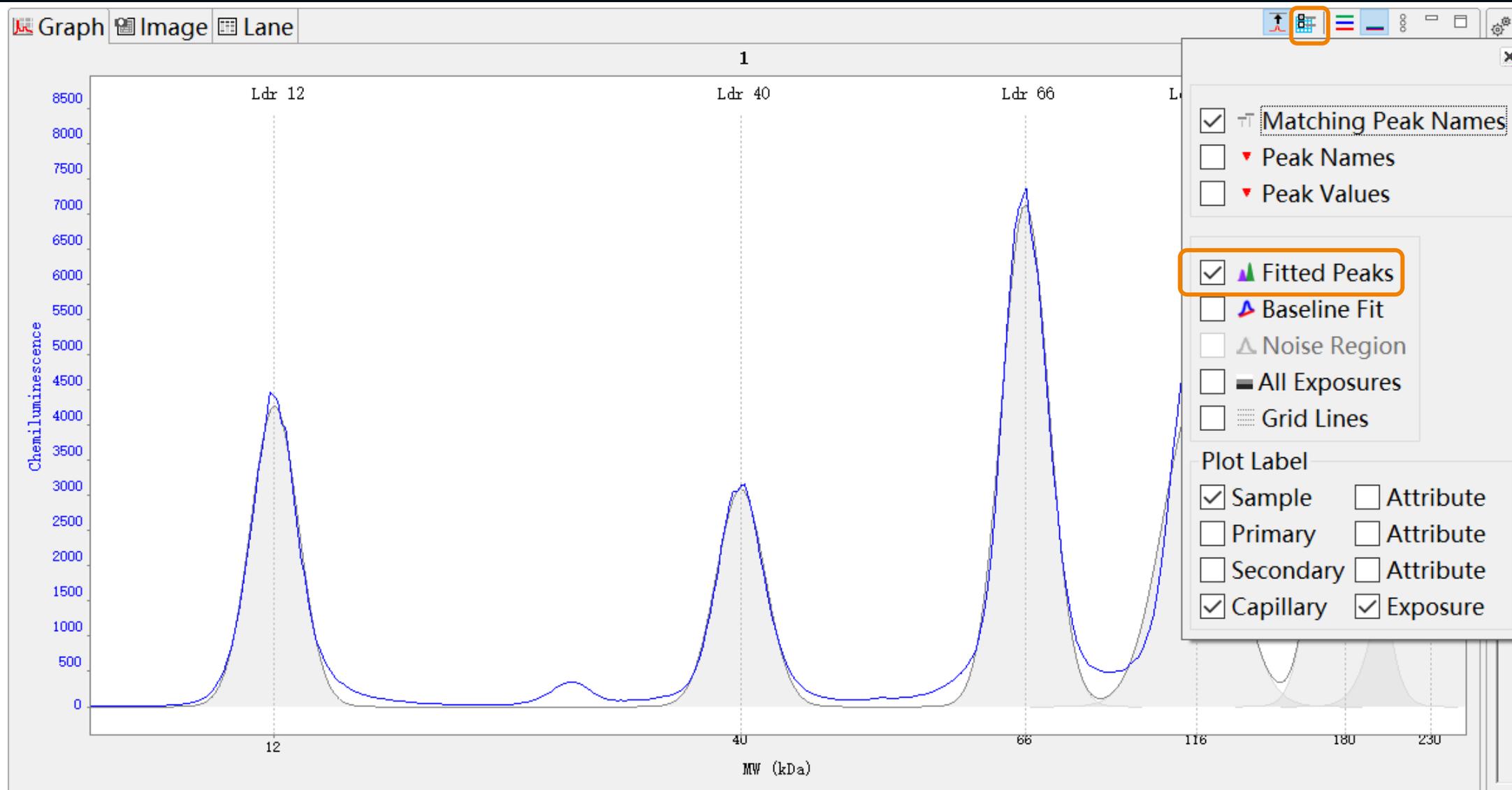


5. 背景无过高——基线拟合

- 为什么高背景是个问题?
 - 信号饱和风险
 - 显著减弱动态范围
 - 降低检测灵敏度

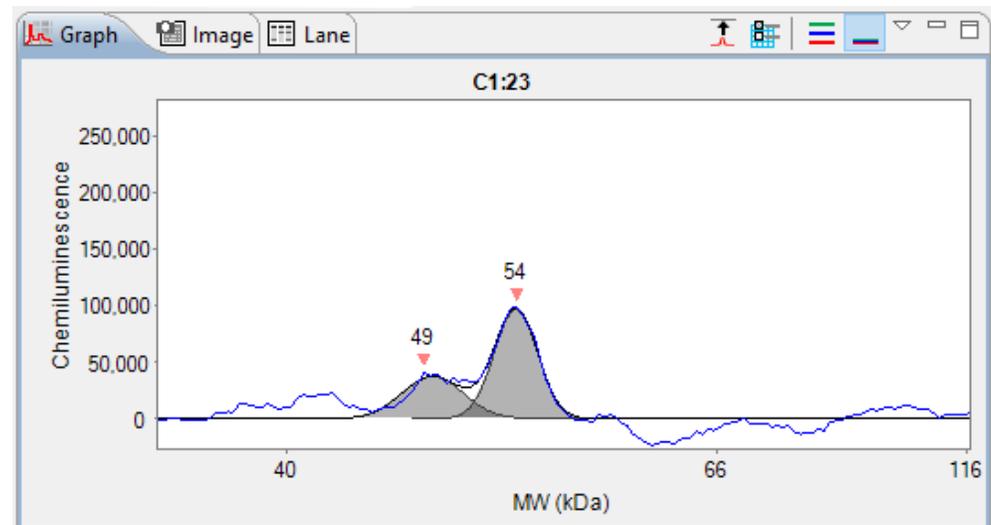
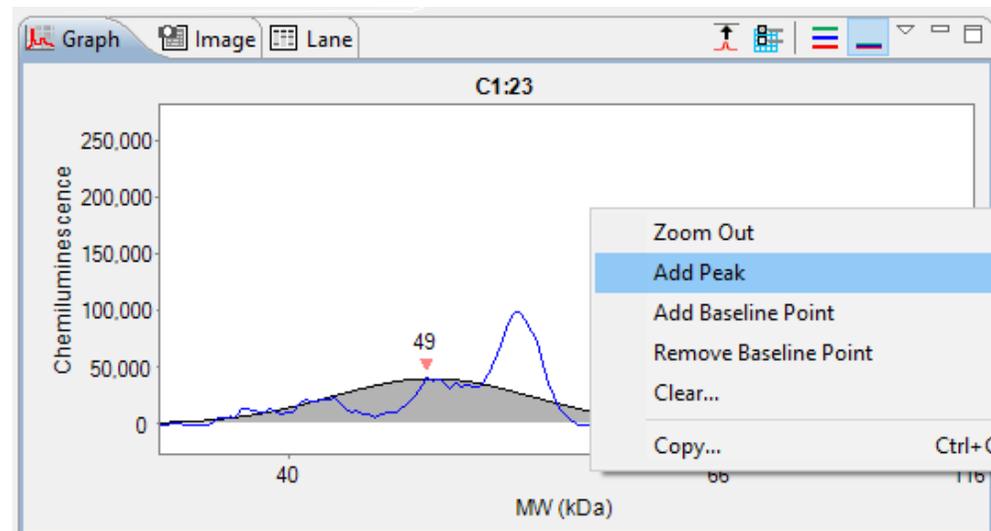
样品	一抗	毛细管号		峰名	迁移位置	分子量	峰高	相对峰面积		峰宽	信噪比	基线拟合
		峰序号	峰序号					峰面积	% Area			
Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
Biot. Ladder	Blocking	1	2	Ldr 40	476	40	3095.9	49008.2		14.9	1180.9	35.6
Biot. Ladder	Blocking	1	3	Ldr 66	549	66	7139.7	109106.0		14.4	2831.7	40.0
Biot. Ladder	Blocking	1	4	Ldr 116	593	116	4454.0	97617.1		20.6	1743.1	41.4
Biot. Ladder	Blocking	1	5	Ldr 180	633	180	7471.2	111393.5		14.0	2652.4	41.8
Biot. Ladder	Blocking	1	6	Ldr 230	654	230	6921.9	137776.2		18.7	2454.0	41.8
HeLa Lysate	ERK1 RTU	2	1	ERK1	486	48	5940.1	80205.3	100.0	12.7	412.8	183.9

5. 峰面积正常



5. 峰面积正常

- 灰色部分的面积即峰面积.
- 需确认拟合峰跟实际峰形拟合良好
- 右键单击可通过“add peak”或“remove peak”增加或去除峰
- 在 analysis 菜单中, 可选择拟合方式, 包括 gaussian fit (高斯拟合) vs dropped lines (垂直拟合, 推荐总蛋白定量时使用)



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- 灰色部分的面积即峰面积.
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The screenshot displays the 'Peak Fit' software interface. On the left is a navigation tree with 'Peak Fit' highlighted. The main window is divided into several sections:

- Analysis Groups:** A list containing 'fit' with 'Add' and 'Remove' buttons below it.
- Apply Default:** A dropdown menu set to 'fit'.
- Apply Override:** A table with columns 'Apply To' and 'Group', and 'Add'/'Remove' buttons below it.
- Analysis Groups: fit:** A configuration panel for the 'fit' group with the following settings:
 - Range: Minimum 1.0, Maximum 250.0
 - View: Analysis, Full
 - Baseline: Threshold 1.0, Window 15.0, Stiffness 1.0
 - Peak Find: Threshold 10.0, Width 9.0, Area Calculation: Gaussian Fit

At the bottom of the window are buttons for 'Import...', 'Export...', 'OK', 'Cancel', and 'Apply'.

- 确认完成了以下检查
 - ✓ 荧光内参整齐并识别良好
 - ✓ Ladder 识别良好
 - ✓ 化学发光信号无过曝
 - ✓ 荧光通道相机无饱和 (Jess)
 - ✓ 背景无过高
 - ✓ 峰面积正常

- 确认完成了以下检查
 - ✓ 荧光内参整齐并识别良好
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 - ✓ 荧光通道相机无饱和 (Jess)
 - ✓ 背景无过高
 - ✓ 峰面积正常



可以开始分析数据了

01

Compass 介绍

02

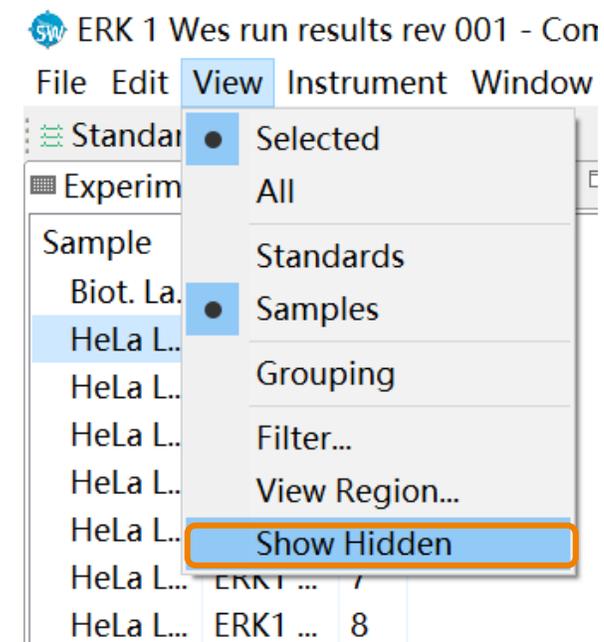
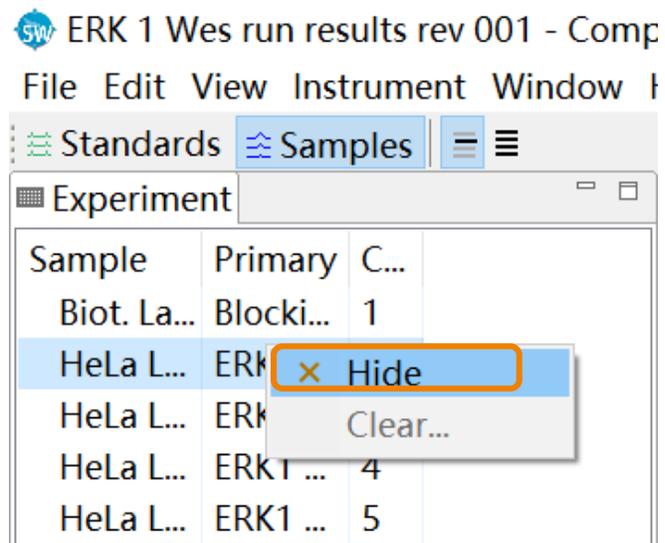
数据分析前检查

03

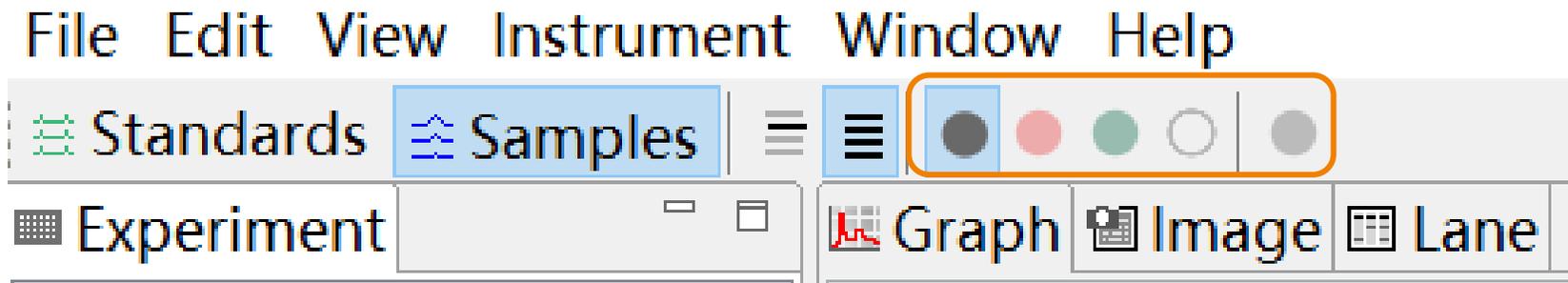
数据分析

- 样品及抗体信息等可在 Assay 界面输入
 - Assay template 里输入的信息可以随时更改（运行前/后）

- 右键点击可隐藏泳道
- 如果要显示隐藏的泳道，点击：
 - *View* → *Show Hidden*
 - 右键点击 unhide 恢复

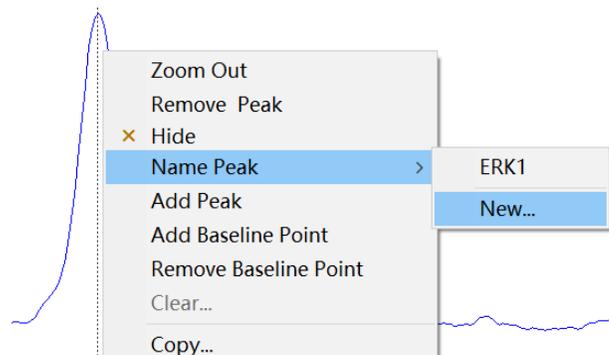


- 毛细管/泳道可选择性浏览或者全局浏览
- 检测通道可进行开/关
- 选择不同的通道，将有不只一个Y轴



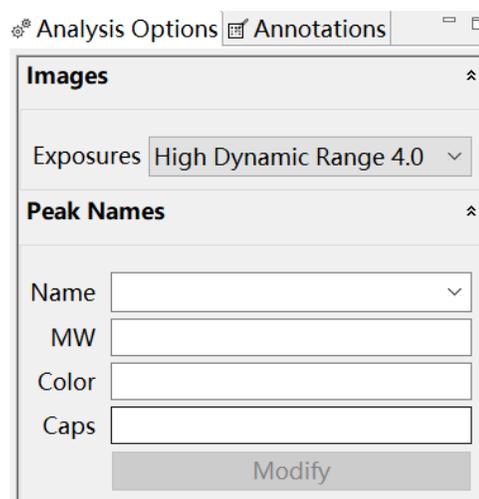
当您查看数据时，标记您的峰值很有帮助

- 选项 1: 右键点击峰形图中的峰，选择 Name Peak → New...进行命名



- 选项 2: Analysis Options 窗格里

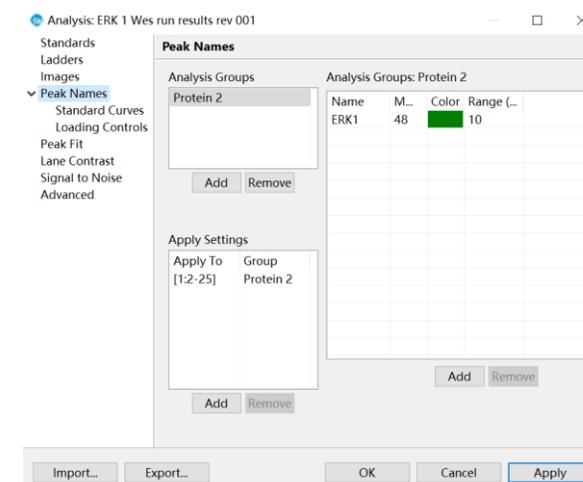
- 在 Name 中: 下拉选中 [New]
- 输入峰名称等
- 单击 Create

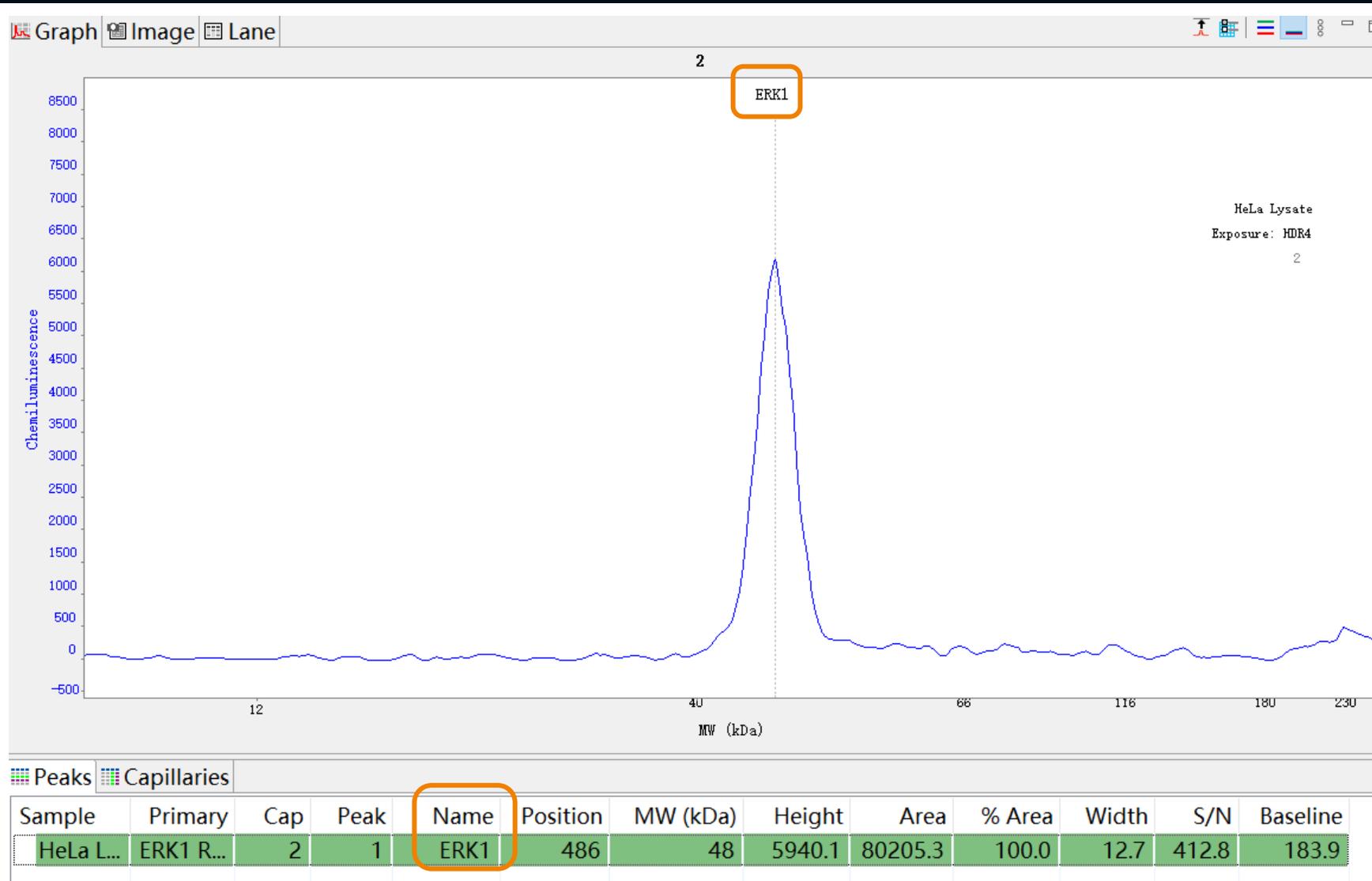


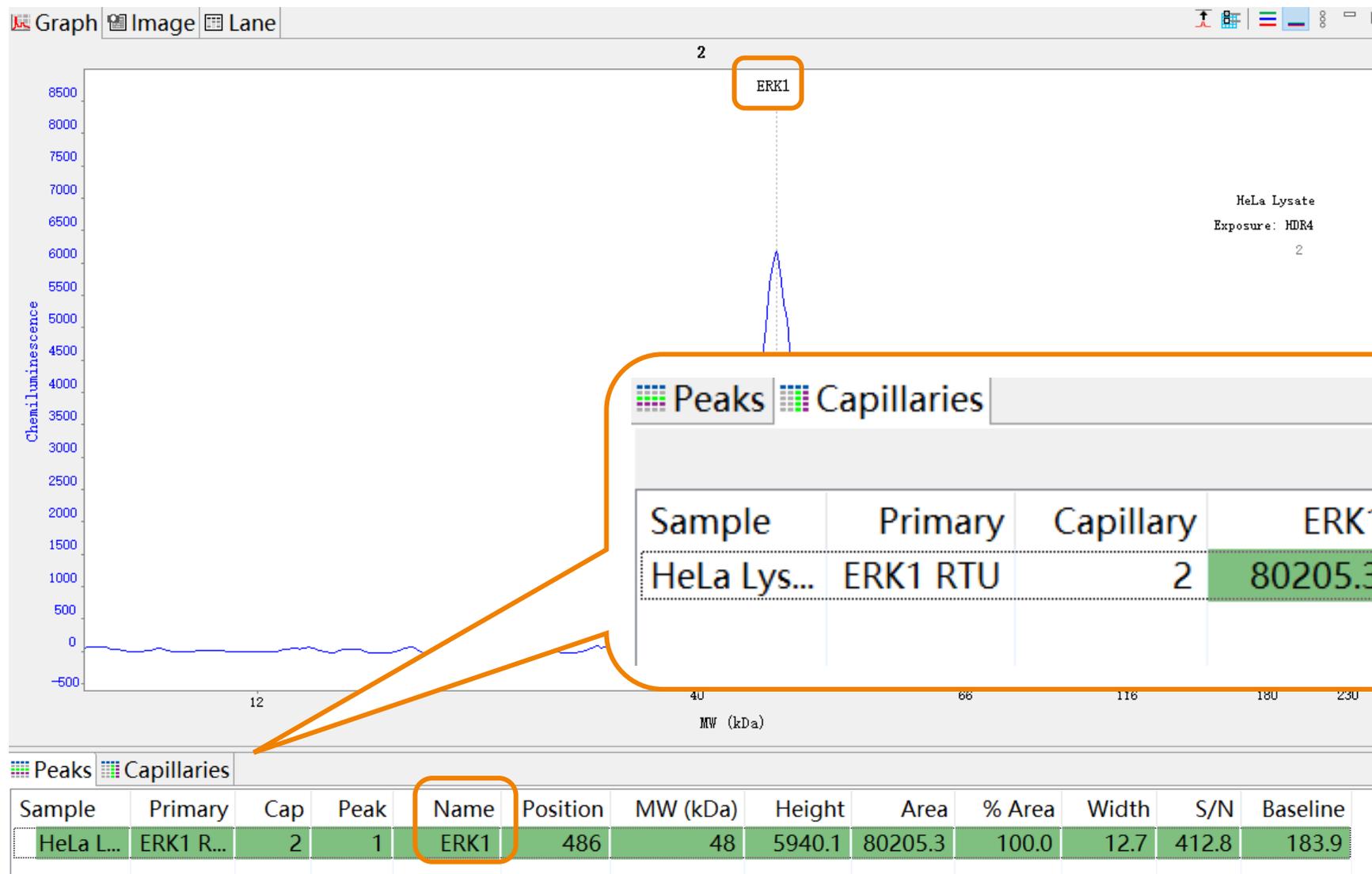
- 选项 3: 右键点击峰统计表中的峰，选择 Name Peak → New...进行命名

MW ...	Heig...	Area	% Ar...	Width	S/N
47	5298...	7962...	100.0	14.1	35...
222	1820	9214		18.1	34...

- 选项 4: 在 Edit > Analysis 菜单栏中
 - 在 Peak Names 栏中进行峰命名

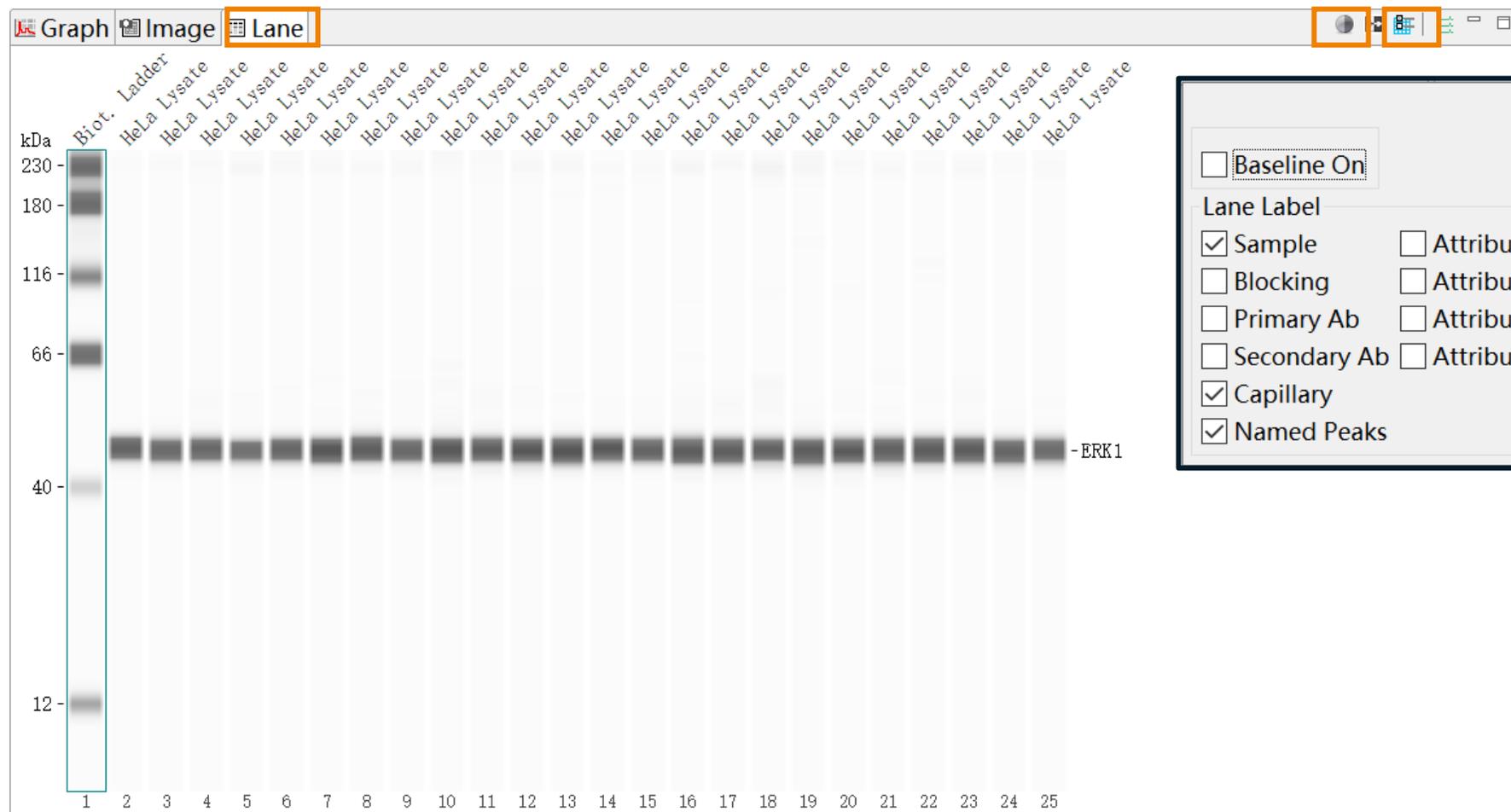






泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



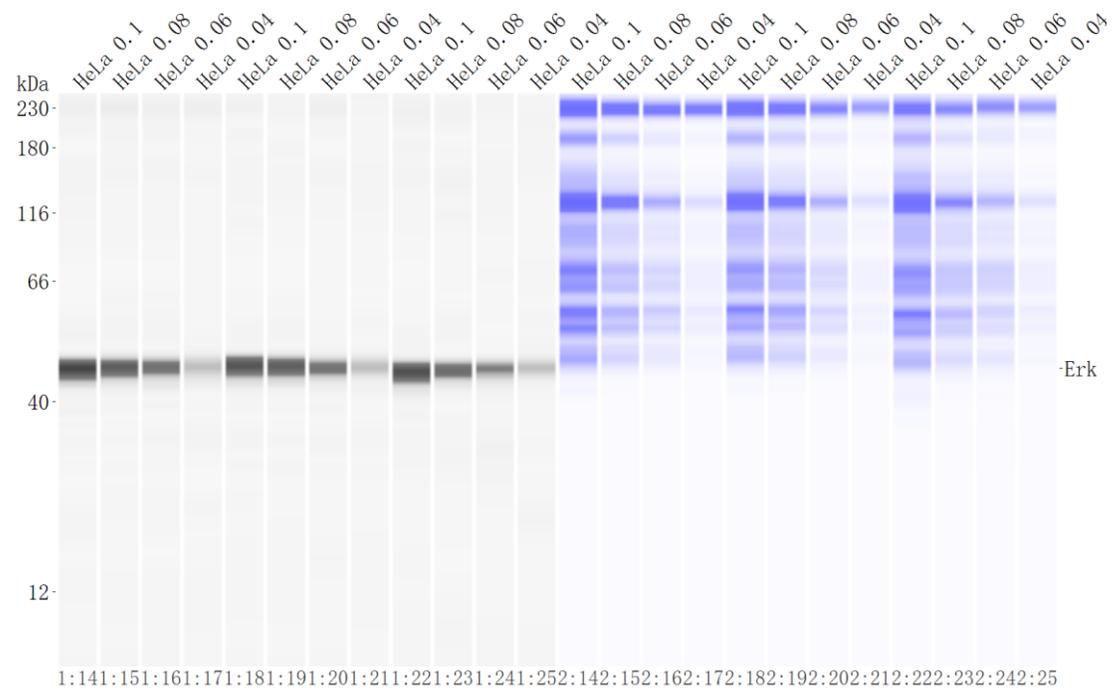
对比度调节

Baseline On

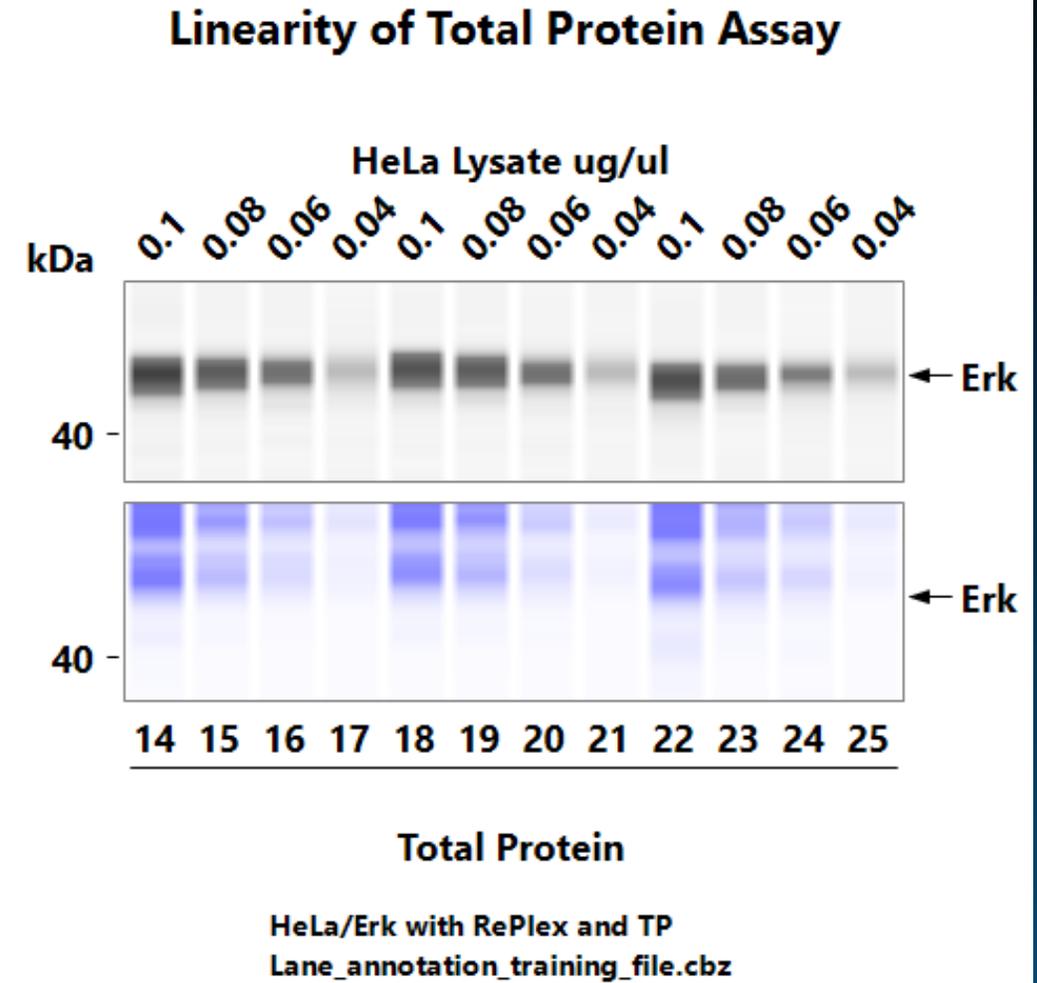
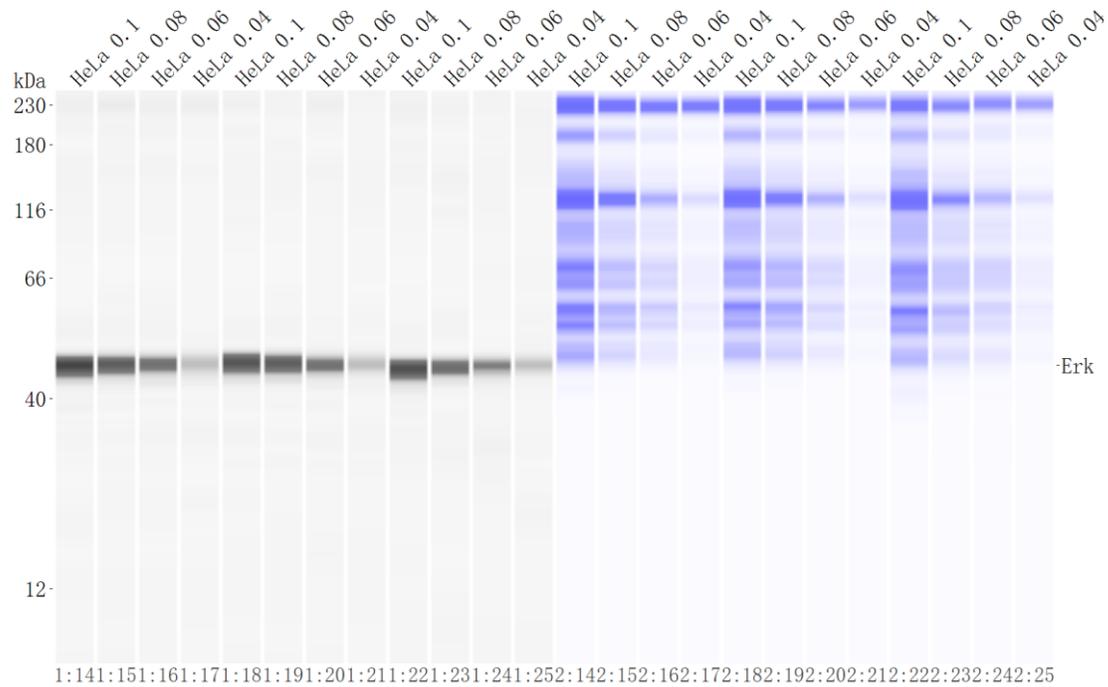
Lane Label

<input checked="" type="checkbox"/> Sample	<input type="checkbox"/> Attribute
<input type="checkbox"/> Blocking	<input type="checkbox"/> Attribute
<input type="checkbox"/> Primary Ab	<input type="checkbox"/> Attribute
<input type="checkbox"/> Secondary Ab	<input type="checkbox"/> Attribute
<input checked="" type="checkbox"/> Capillary	
<input checked="" type="checkbox"/> Named Peaks	

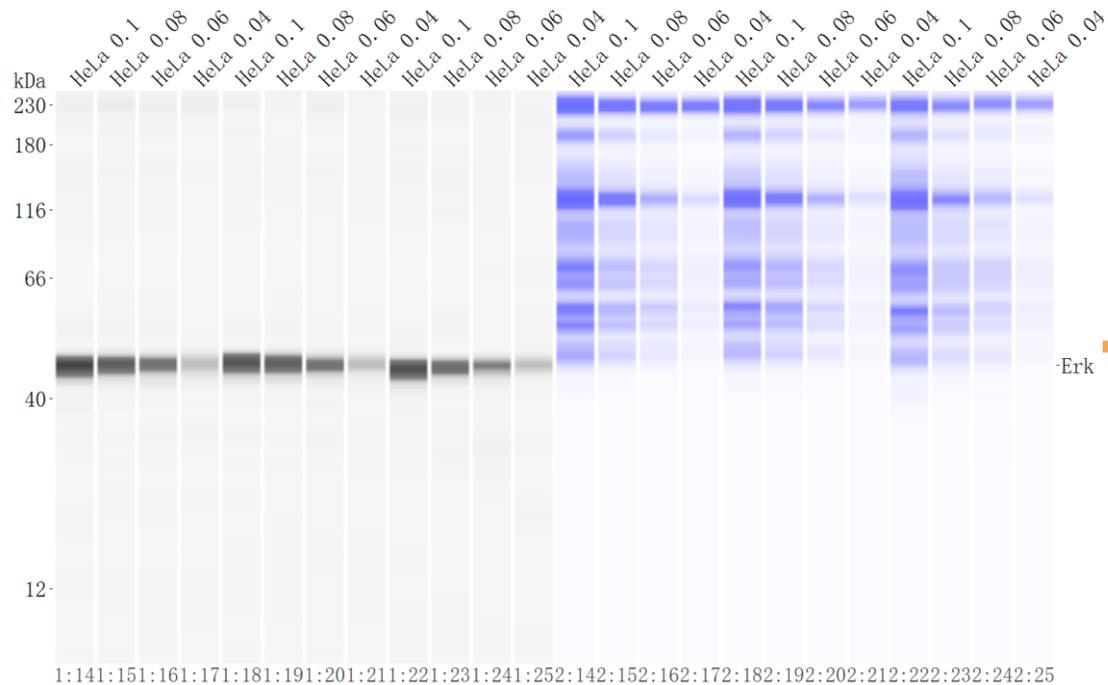
能否直接注释结果？



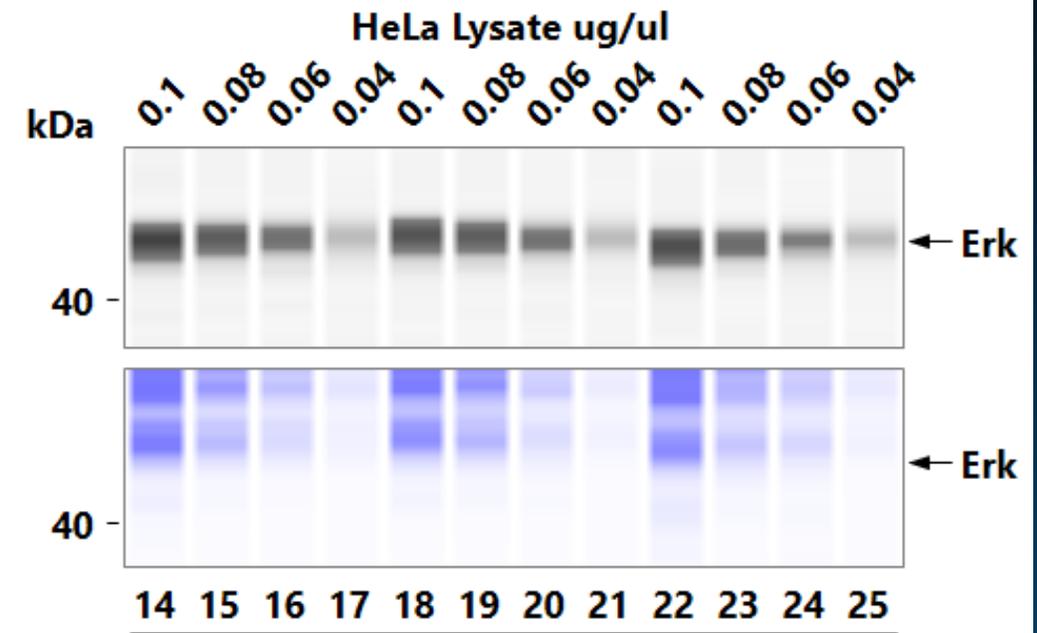
能否直接注释结果？



能否直接注释结果？



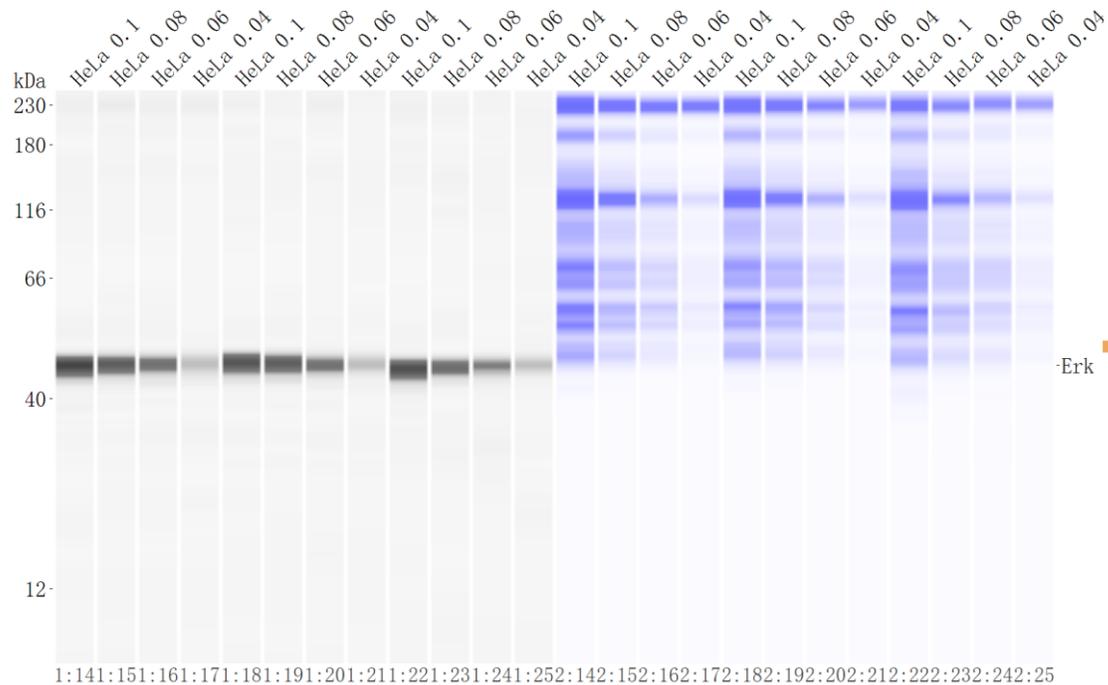
Linearity of Total Protein Assay



Total Protein

HeLa/Erk with RePlex and TP
Lane_annotation_training_file.cbz

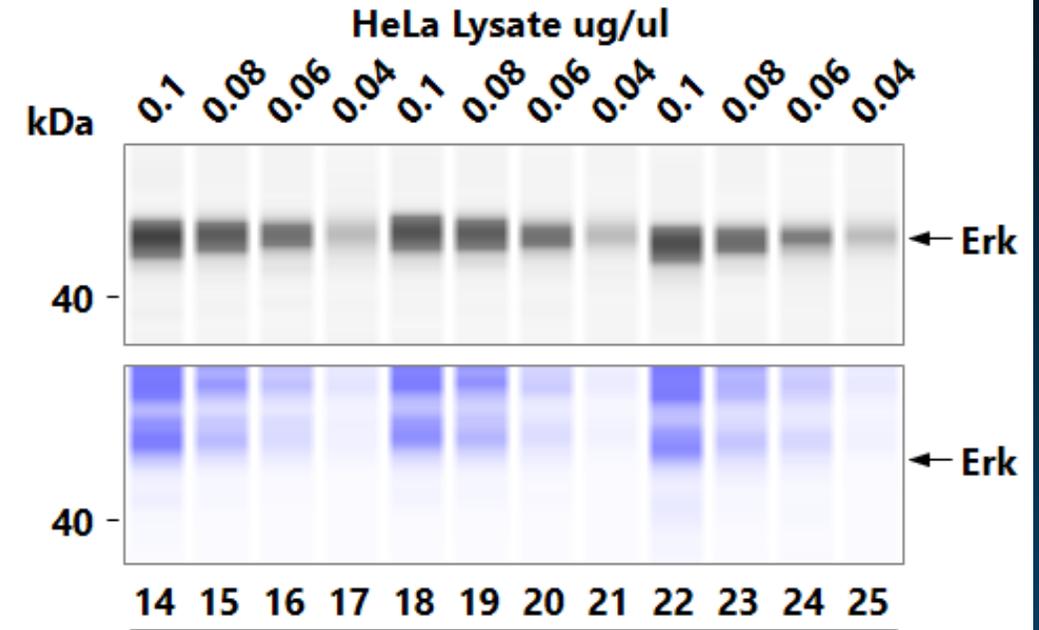
能否直接注释结果？



?



Linearity of Total Protein Assay



Total Protein

HeLa/Erk with RePlex and TP

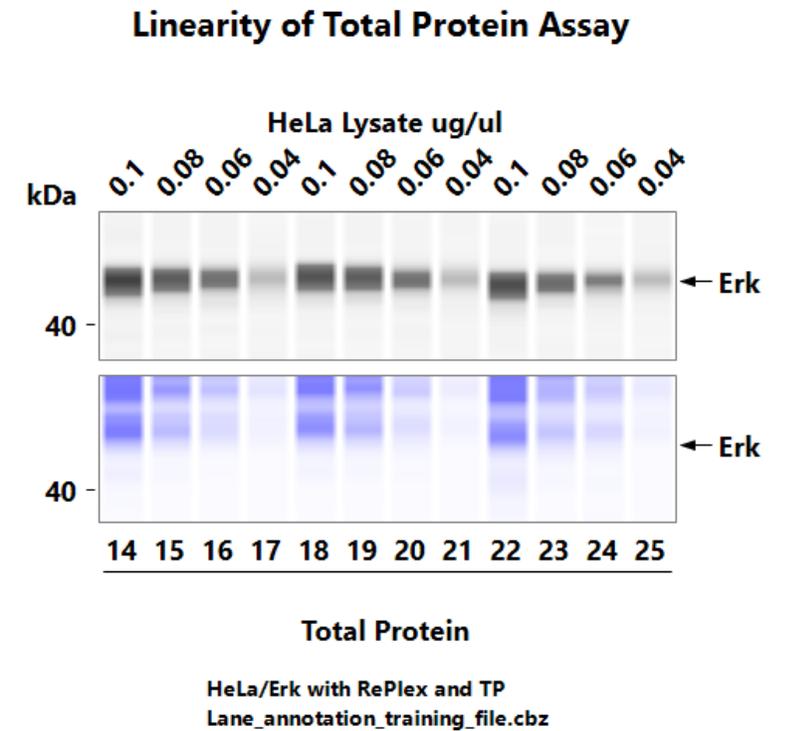
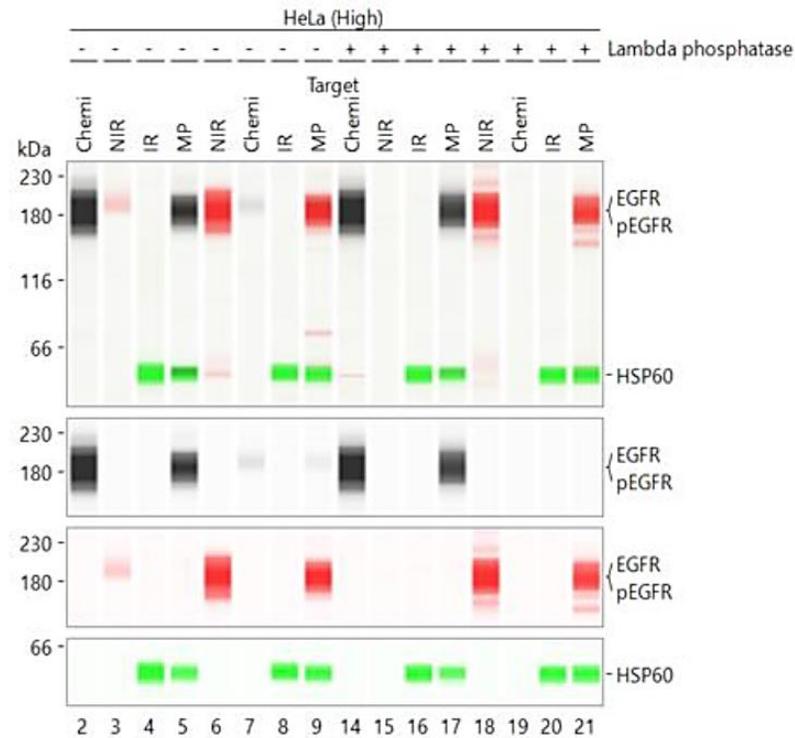
Lane_annotation_training_file.cbz

COMPASS 6.0.0 版本

适用于 WES/JESS/ABBY



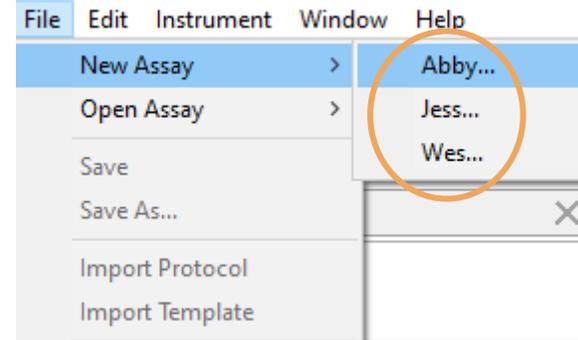
• 添加了Lane 结果注释



- 添加了Lane 结果注释

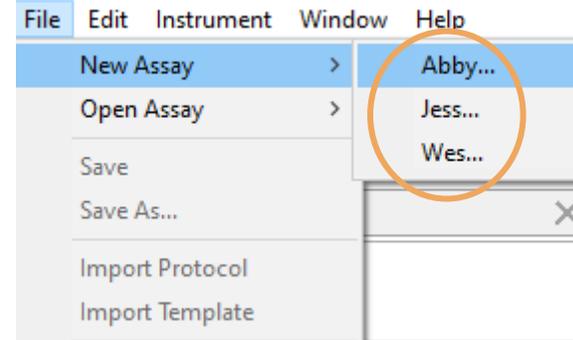
- **添加了Lane 结果注释**

- “New Assay” 仅适用于 (Abby/Jess/Wes)

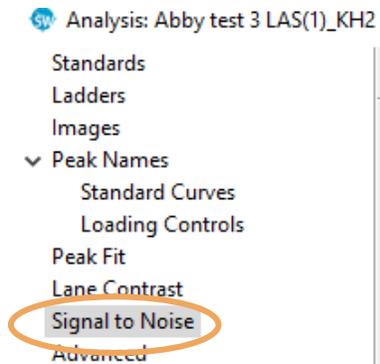


• 添加了Lane 结果注释

- “New Assay” 仅适用于 (Abby/Jess/Wes)



- 采用了新的信噪比 (S/N) 分析方法



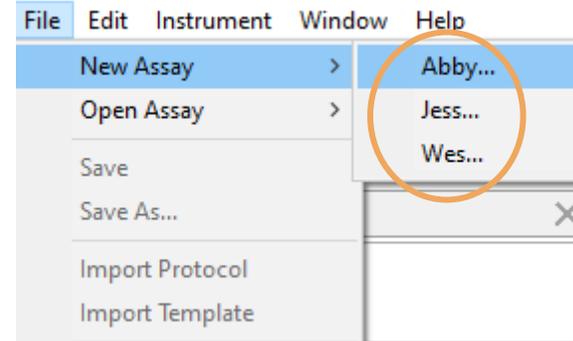
Peaks Capillaries

Sample	Primary	Cap	Peak	Name	Width	S/N	Baseline
O1	IL6r	P1:11	7	IL6r	37.0	175.0	3696.4
O1	Beta A...	P2:11	1	Beta a...	38.0	3616.7	555.8

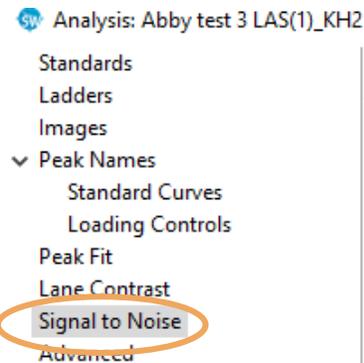
Signal to Noise
S/N
Method: Signal-to-Noise Ratio
Noise Re: Peak Score (v1 - v5)
 Full Custom
Start: -50.0
End: 470.0

• 添加了Lane 结果注释

- “New Assay” 仅适用于 (Abby/Jess/Wes)



- 采用了新的信噪比 (S/N) 分析方法



- 在 Graph 界面进行的编辑已可以保存，不用每次打开再重新编辑

The screenshot shows the 'Signal to Noise' dialog box with a dropdown menu set to 'Signal-to-Noise Ratio'. Below it is a table with columns: Sample, Primary, Cap, Peak, Name, Width, S/N, and Baseline. The 'S/N' column value for the second row is circled in orange.

Sample	Primary	Cap	Peak	Name	Width	S/N	Baseline
O1	IL6r	P1:11	7	IL6r	37.0	175.0	3696.4
O1	Beta A...	P2:11	1	Beta a...	38.0	3616.7	555.8

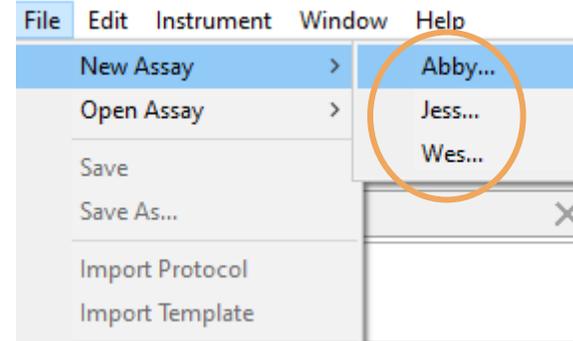
• 添加了Lane 结果注释

• “New Assay” 仅适用于 (Abby/Jess/Wes)

• 采用了新的信噪比 (S/N) 分析方法

• 在 Graph 界面进行的编辑已可以保存，不用每次打开再重新编辑

• 基线校正的选项移动到 Lane 界面的 Graph Options内



Analysis: Abby test 3 LAS(1)_KH2

- Standards
- Ladders
- Images
- Peak Names
 - Standard Curves
 - Loading Controls
- Peak Fit
- Lane Contrast
- Signal to Noise
- Advanced

Signal to Noise

S/N

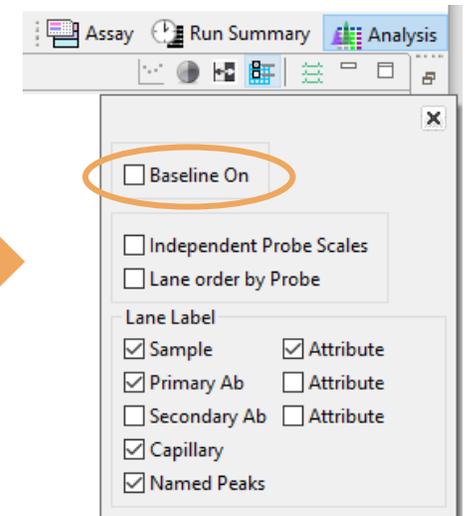
Method: Signal-to-Noise Ratio
Signal-to-Noise Ratio
Peak Score (v1 - v5)

Noise Re: Full Custom

Start: -50.0

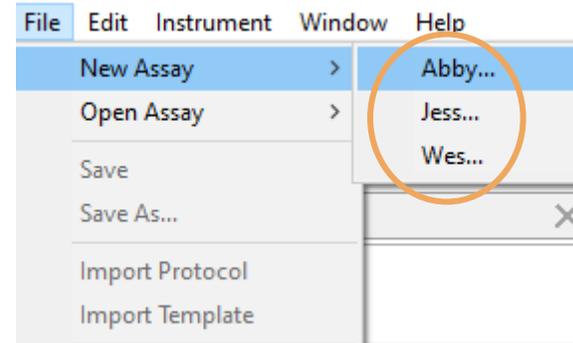
End: 470.0

Sample	Primary	Cap	Peak	Name	Width	S/N	Baseline
O1	IL6r	P1:11	7	IL6r	37.0	175.0	3696.4
O1	Beta A...	P2:11	1	Beta a...	38.0	3616.7	555.8

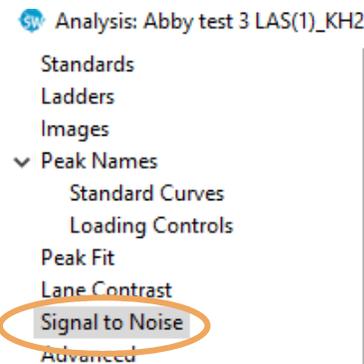


• 添加了Lane 结果注释

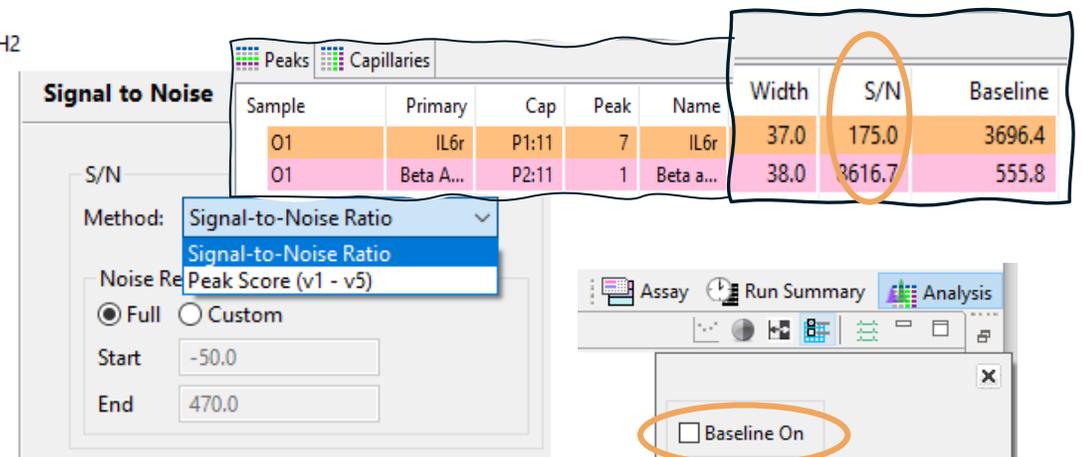
- “New Assay” 仅适用于 (Abby/Jess/Wes)



- 采用了新的信噪比 (S/N) 分析方法



- 在 Graph 界面进行的编辑已可以保存，不用每次打开再重新编辑

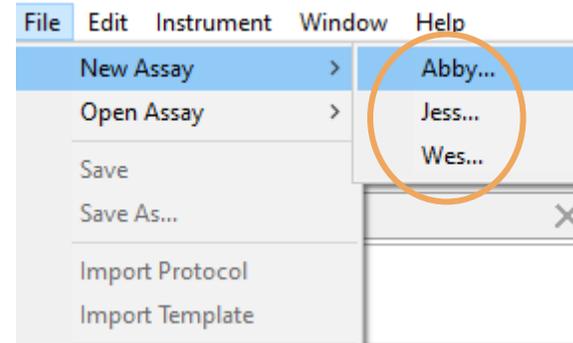


- 基线校正的选项移动到 Lane 界面的 Graph Options内

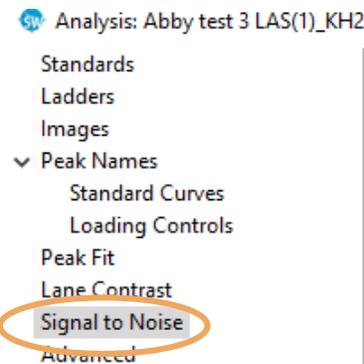
- 支持多种格式保存结果 (TIF/JPG/PNG)

• 添加了Lane 结果注释

- “New Assay” 仅适用于 (Abby/Jess/Wes)



- 采用了新的信噪比 (S/N) 分析方法



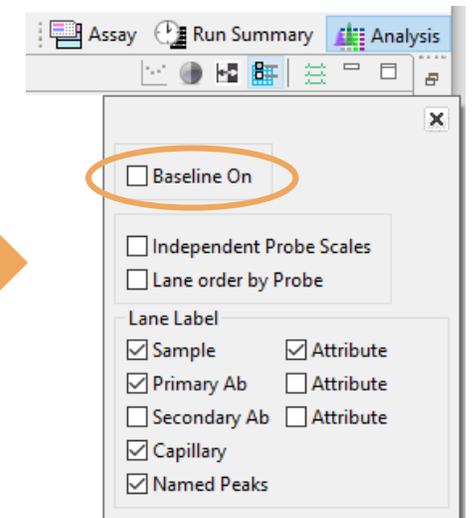
- 在 Graph 界面进行的编辑已可以保存，不用每次打开再重新编辑

The screenshot shows a table with the following data:

Sample	Primary	Cap	Peak	Name	Width	S/N	Baseline
O1	IL6r	P1:11	7	IL6r	37.0	175.0	3696.4
O1	Beta A...	P2:11	1	Beta a...	38.0	3616.7	555.8

An orange circle highlights the 'S/N' column.

- 基线校正的选项移动到 Lane 界面的 Graph Options内

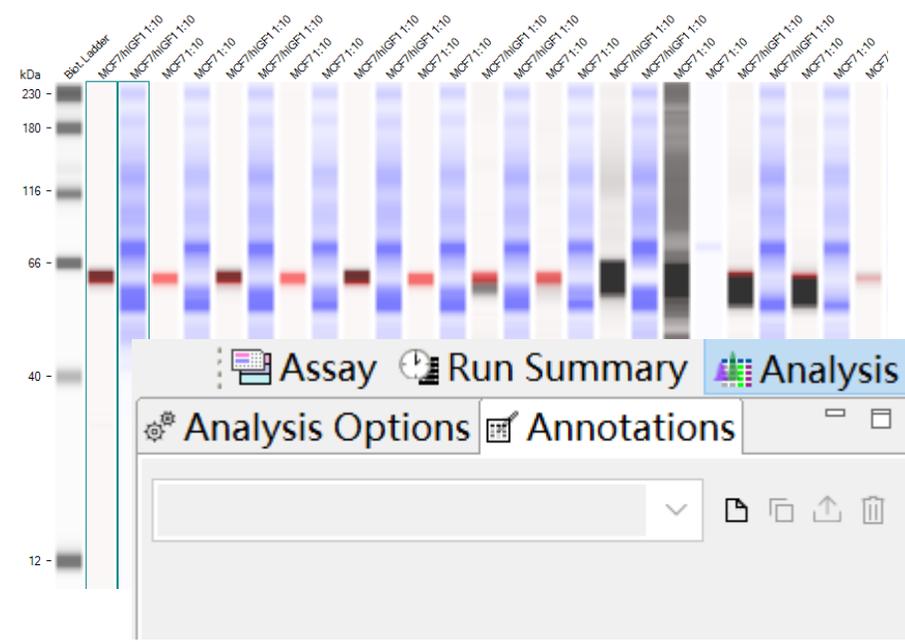


- 支持多种格式保存结果 (TIF/JPG/PNG)

*兼容模式- Compass 6.0 版本能打开以前Jess/Wes的文件

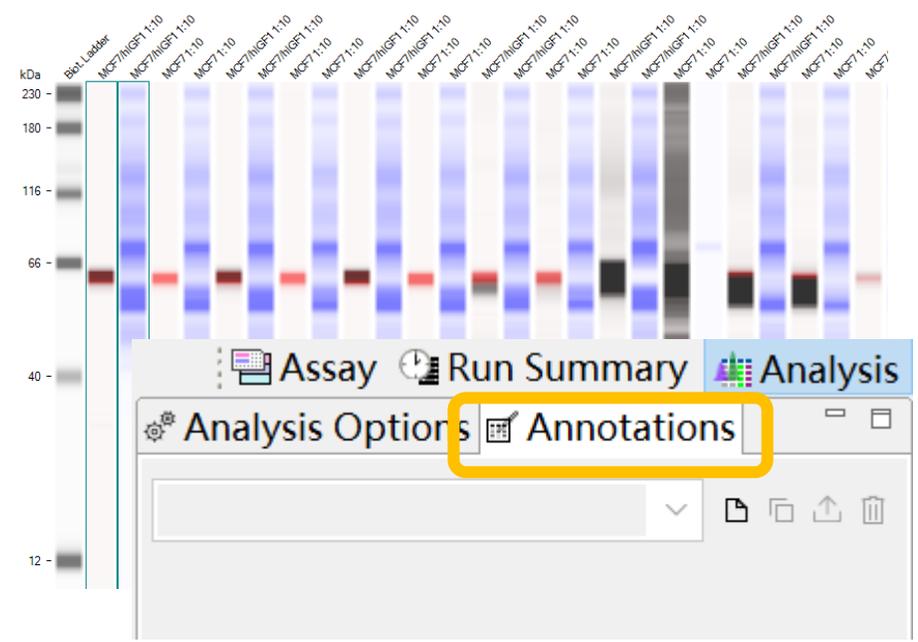
LANE 注释

只需在 COMPASS 内即可进行注释



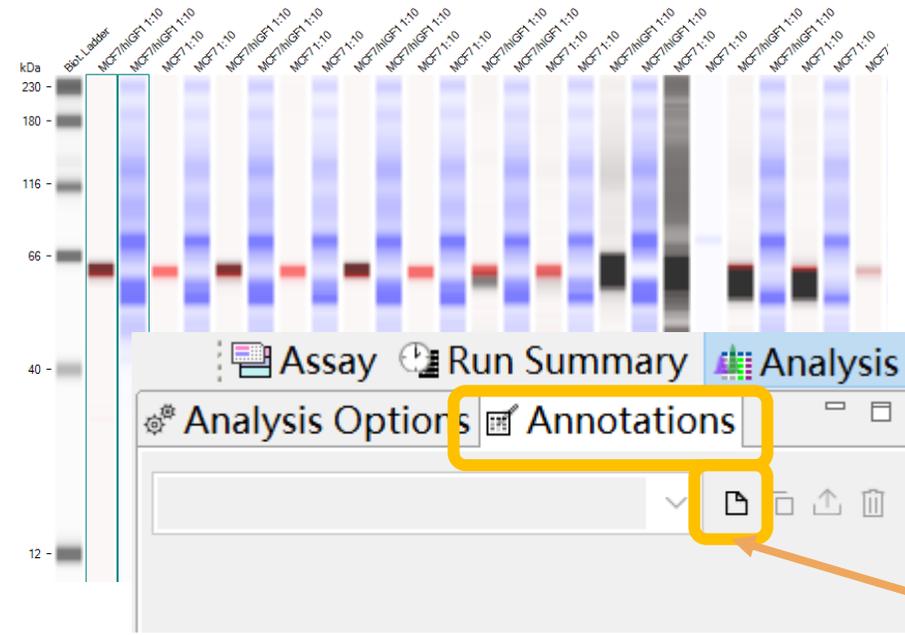
LANE 注释

只需在 COMPASS 内即可进行注释



LANE 注释

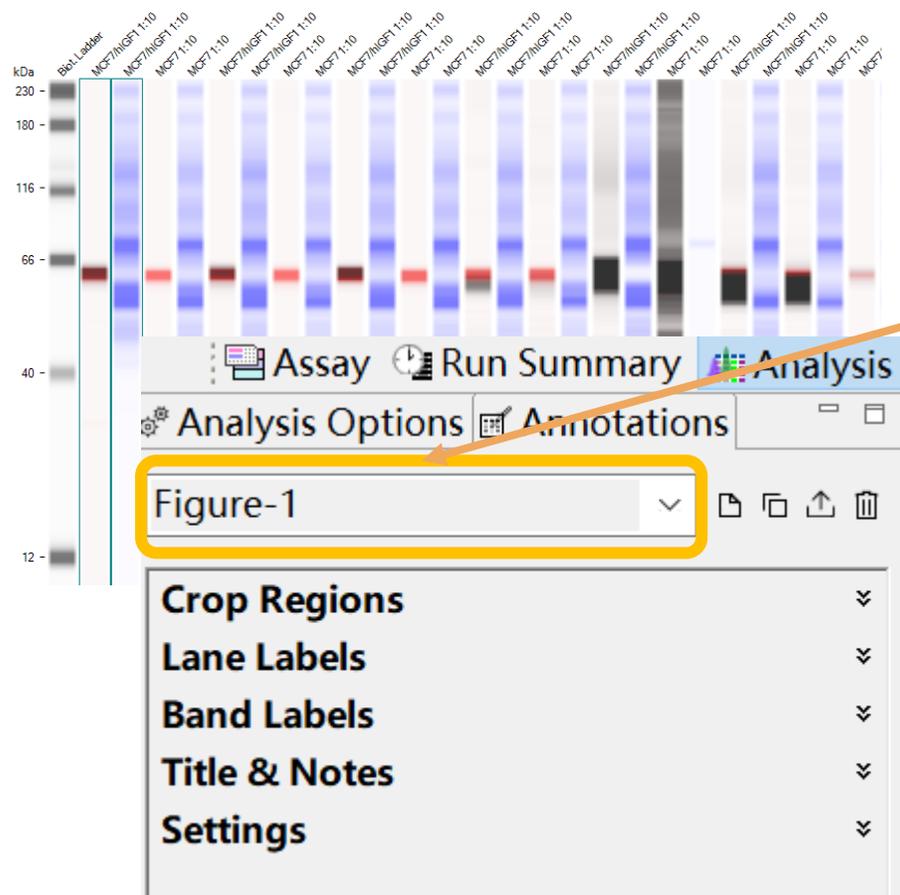
只需在 COMPASS 内即可进行注释



新建注释

LANE 注释

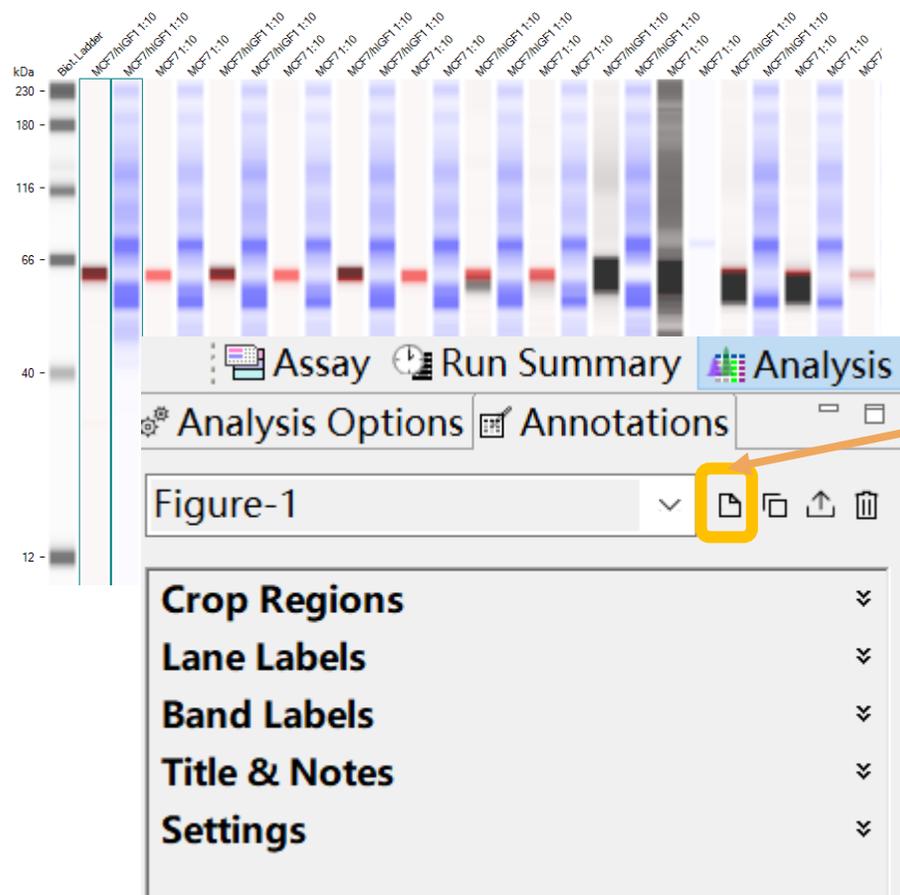
只需在 COMPASS 内即可进行注释



注释结果名，单击可更改

LANE 注释

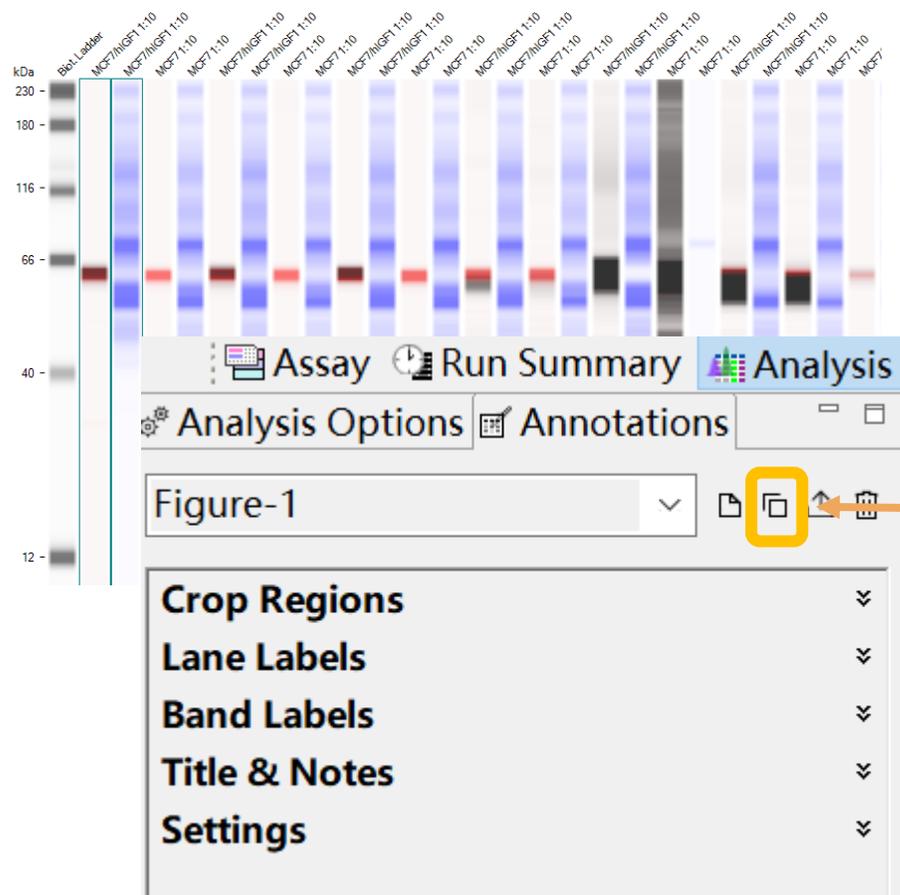
只需在 COMPASS 内即可进行注释



新建注释

LANE 注释

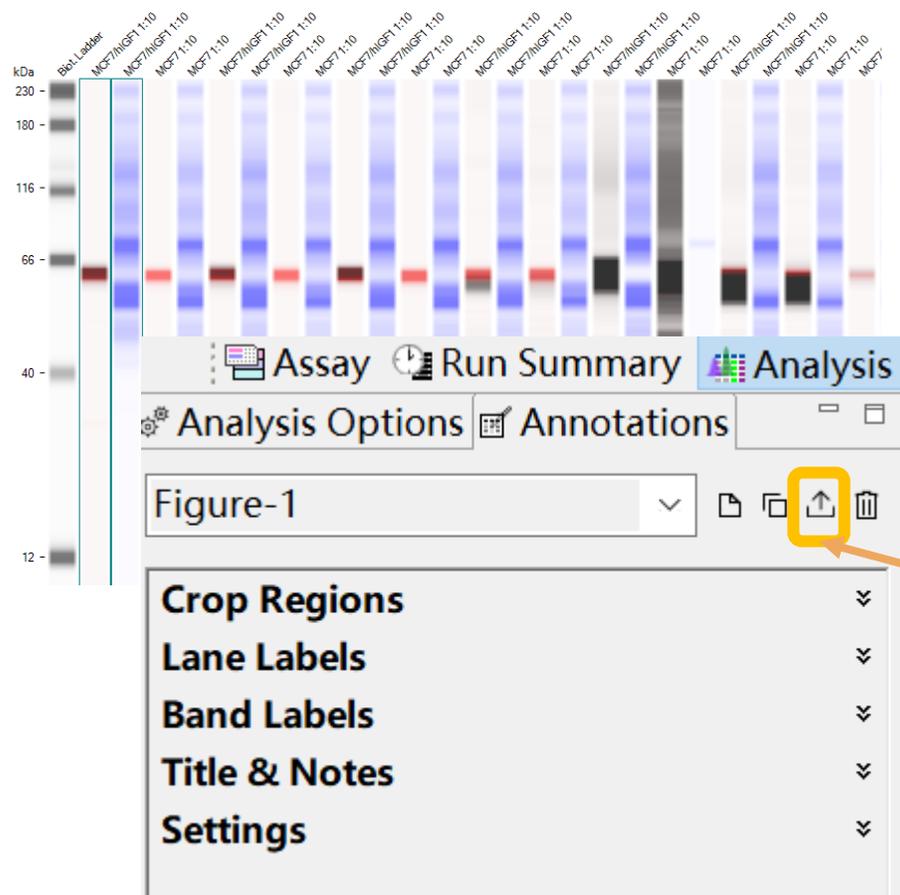
只需在 COMPASS 内即可进行注释



复制注释

LANE 注释

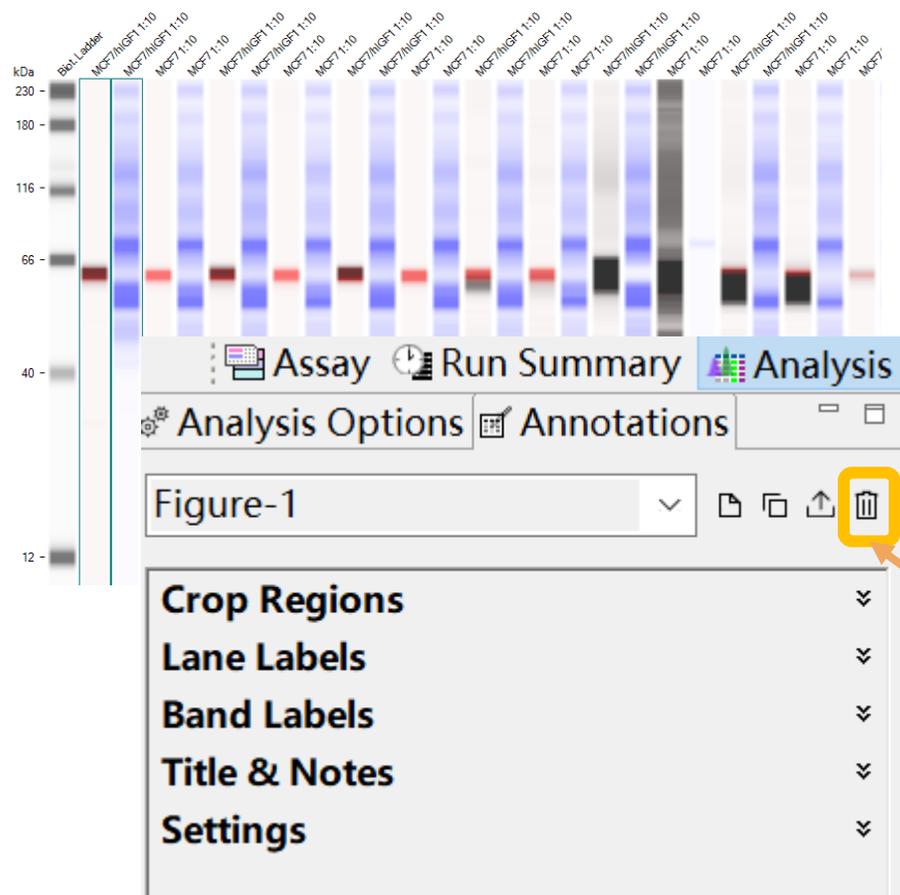
只需在 COMPASS 内即可进行注释



导出注释结果 (TIF/PNG/JPG)

LANE 注释

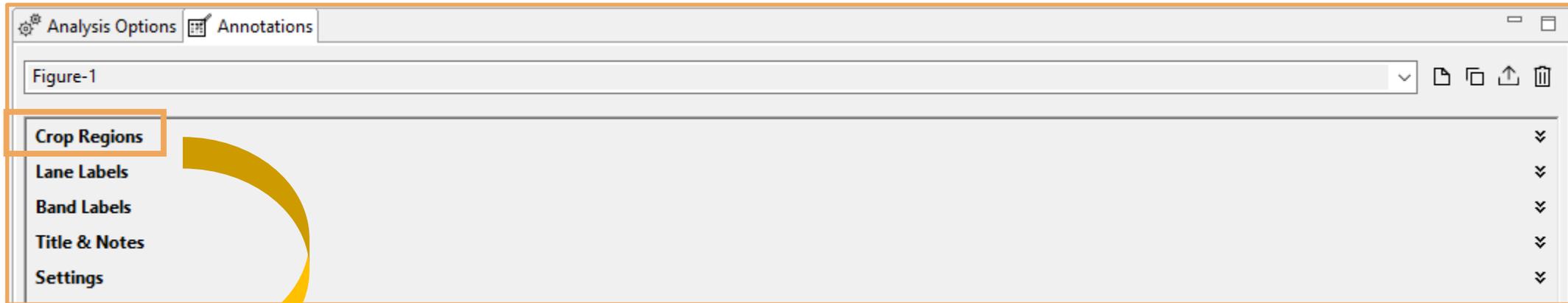
只需在 COMPASS 内即可进行注释



删除该注释结果

LANE 注释 — CROP

只需在 COMPASS 内即可进行注释



LANE 注释 — CROP

只需在 COMPASS 内即可进行注释

Figure-1

Crop Regions

Lane Labels

Band Labels

Title & Notes

Settings

Crop Regions

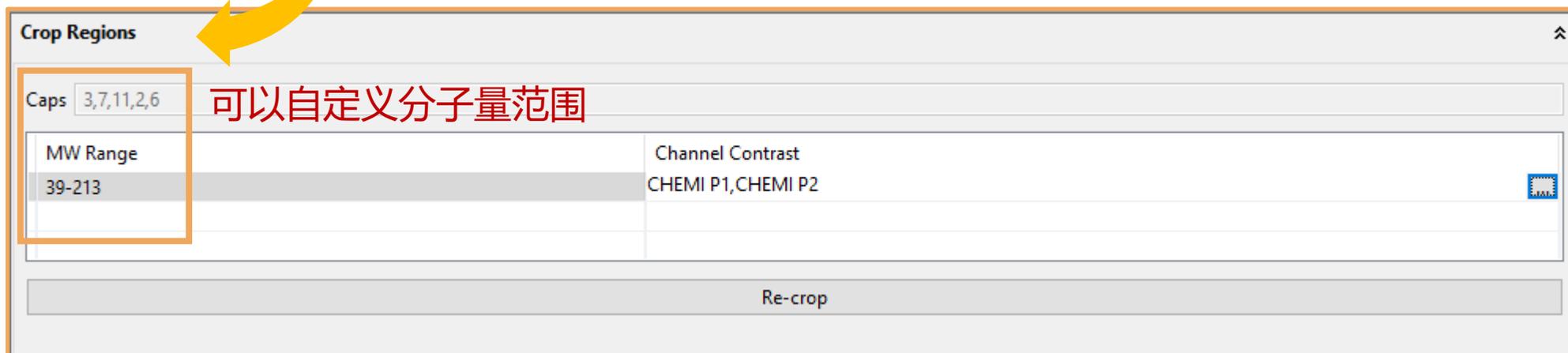
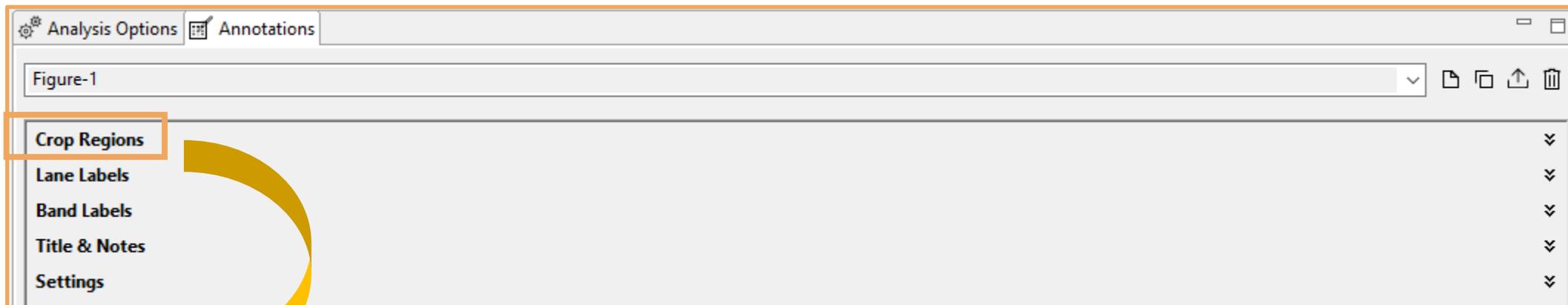
Caps 3,7,11,2,6

MW Range	Channel Contrast
39-213	CHEMI P1,CHEMI P2

Re-crop

LANE 注释 — CROP

只需在 COMPASS 内即可进行注释



LANE 注释 — CROP

只需在 COMPASS 内即可进行注释

Analysis Options Annotations

Figure-1

Crop Regions

Lane Labels

Band Labels

Title & Notes

Settings

kDa

HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.125

230

180

116

66

40

GLS

vATPase

Crop Regions

Caps 3,7,11,2,6

MW Range 39-213

Channel Contrast CHEMI P1,CHEMI P2

Re-crop

可以自定义分子量范围

LANE 注释 — CROP

只需在 COMPASS 内即可进行注释

Analysis Options Annotations

Figure-1

Crop Regions

Lane Labels

Band Labels

Title & Notes

Settings

kDa

HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125

230

180

116

66

40

GLS

vATPase

Crop Regions

Caps 3,7,11,2,6

MW Range 39-213

Channel Contrast CHEMI P1, CHEMI P2

Re-crop

可以自定义分子量范围

LANE 注释 — CROP

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Analysis Options Annotations

Figure-1

Crop Regions

Lane Labels

Band Labels

Title & Notes

Settings

kDa

HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125

230

180

116

66

40

GLS

vATPase

Crop Regions

Caps 3,7,11,2,6

MW Range 39-213

Channel Contrast CHEMI P1, CHEMI P2

自定义通道

可以自定义分子量范围

Re-crop

LANE 注释 — CROP

只需在 COMPASS 内即可进行注释

Analysis Options Annotations

Figure-1

Crop Regions

Lane Labels

Band Labels

Title & Notes

Settings

kDa

230

180

116

66

40

HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.125 HBE: 0.5 HBE: 0.5 HBE: 0.5 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.25 HBE: 0.125 HBE: 0.125 HBE: 0.125

GLS

vATP

Custom Contrast

Custom Contrast

CHEMI P1 < [slider] >

CHEMI P2 < [slider] >

Crop Regions

Caps 3,7,11,2,6

MW Range 39-213

可以自定义分子量范围

Channel Contrast CHEMI P1, CHEMI P2

自定义通道

自定义对比度

Re-crop

LANE 注释 — LANE LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Group	SampleGroup
Link to	Sample
Style	Sample
	Sample Attribute
	Primary
	Primary Attribute
1	Secondary
2	Secondary Attribute
3	Probe:Capillary
4	None
5	HeLa
	HeLa

LANE 注释 — LANE LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Group	SampleGroup
Link to	Sample
Style	Sample
	Sample Attribute
	Primary
	Primary Attribute
	Secondary
1	Secondary Attribute
2	Probe:Capillary
3	None
4	HeLa
5	HeLa

Lane 标签可使用 Assay 界面实验设计, 也可以自己重新编辑

LANE 注释 — LANE LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Group	SampleGroup
Link to	Sample
Style	Sample
	Sample Attribute
	Primary
	Primary Attribute
	Secondary
	Secondary Attribute
1	Probe:Capillary
2	
3	None
4	HeLa
5	HeLa

Lane 标签可使用 Assay 界面实验设计, 也可以自己重新编辑

Crop Regions

Lane Labels

Group: SampleGroup

Link to: Sample

Style: [Icons]

Lane Label
1 HeLa
2 HeLa
3 HeLa
4 HeLa
5 HeLa
6 HeLa
7 HeLa
8 HeLa
9 HeLa
10 HeLa

自定义标签位置, 分组, 旋转角度等

LANE 注释 — LANE LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Group	SampleGroup
Link to	Sample
Style	Sample
	Sample Attribute
	Primary
	Primary Attribute
1	Secondary
2	Secondary Attribute
3	Probe:Capillary
4	HeLa
5	HeLa

Lane 标签可使用 Assay 界面实验设计, 也可以自己重新编辑

Style

合并标签

标签位置

下划线/上划线

标签换行

分组标签位置

旋转标签

Crop Regions

Lane Labels

Group SampleGroup

Link to Sample

Style

Lane Label

1	HeLa
2	HeLa
3	HeLa
4	HeLa
5	HeLa
6	HeLa
7	HeLa
8	HeLa
9	HeLa
10	HeLa

自定义标签位置, 分组, 旋转角度等

LANE 注释 — LANE LABELS

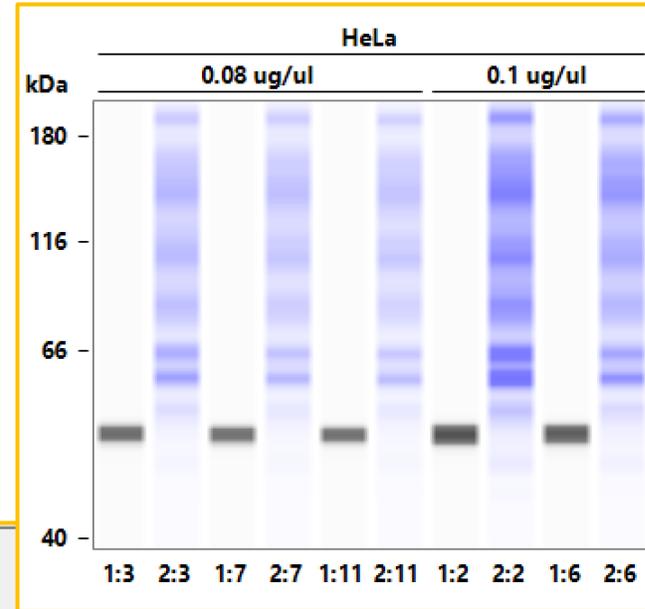
只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Group	SampleGroup
Link to	Sample
Style	Sample
	Sample Attribute
	Primary
	Primary Attribute
	Secondary
	Secondary Attribute
1	Probe:Capillary
2	None
3	None
4	HeLa
5	HeLa

Lane 标签可使用 Assay 界面实验设计, 也可以自己重新编辑



Crop Regions

Lane Labels

Group	SampleGroup
Link to	Sample
Style	---
	≡
	↑
	⋮
	A
	↻

Lane Label
1 HeLa
2 HeLa
3 HeLa
4 HeLa
5 HeLa
6 HeLa
7 HeLa
8 HeLa
9 HeLa
10 HeLa

自定义标签位置, 分组, 旋转角度等

合并标签

标签位置

下划线/上划线

Style

标签换行

分组标签位置

旋转标签

LANE 注释 — BAND LABELS

只需在 COMPASS 内即可进行注释

LANE 注释 — BAND LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Band Labels

Group

Link to

Style

Band MW (kD)

Ladder
Band - IL17ra
Band - IL6r
Band - IL4ra
Band - Beta Actin

条带标签可使用已命名的目的峰也可以重新编辑

LANE 注释 — BAND LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Band Labels

Group

Link to

Style

Band

MW (kD)

条带标签可使用已命名的目的峰也可以重新编辑

Crop Regions

Lane Labels

Band Labels

Group

Link to

Style

Band Label	MW (kDa)
McFly Topo-isomerase	61

Title & Notes

Settings

LANE 注释 — BAND LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Band Labels

Group

Link to

Style

Band Label

MW (kD)

条带标签可使用已命名的目的峰也可以重新编辑

Crop Regions

Lane Labels

Band Labels

Group

Link to

Style

Band Label

MW (kDa)

自定义条带位置和展示形式

McFly

None

McFly Topo-isomerase

61

LANE 注释 — BAND LABELS

只需在 COMPASS 内即可进行注释

Crop Regions

Lane Labels

Band Labels

Group

Link to

Style

Band

条带标签可使用已命名的目的峰也可以重新编辑

1 0.5 0.25 [Lysate] ug/ul

Control Drug 3784 Control Drug 3784 Control Drug 3784 Sample

kDa

116

66

40

IL17ra

IL4ra

IL6r

McFly Topo-isomerase

p-1.21 Gigawatt receptor

1.21 Gigawatt receptor

Beta actin

Crop Regions

Lane Labels

Band Labels

Group McFly

Link to None

Style

Band Label

McFly Topo-isomerase

MW (kDa)

61

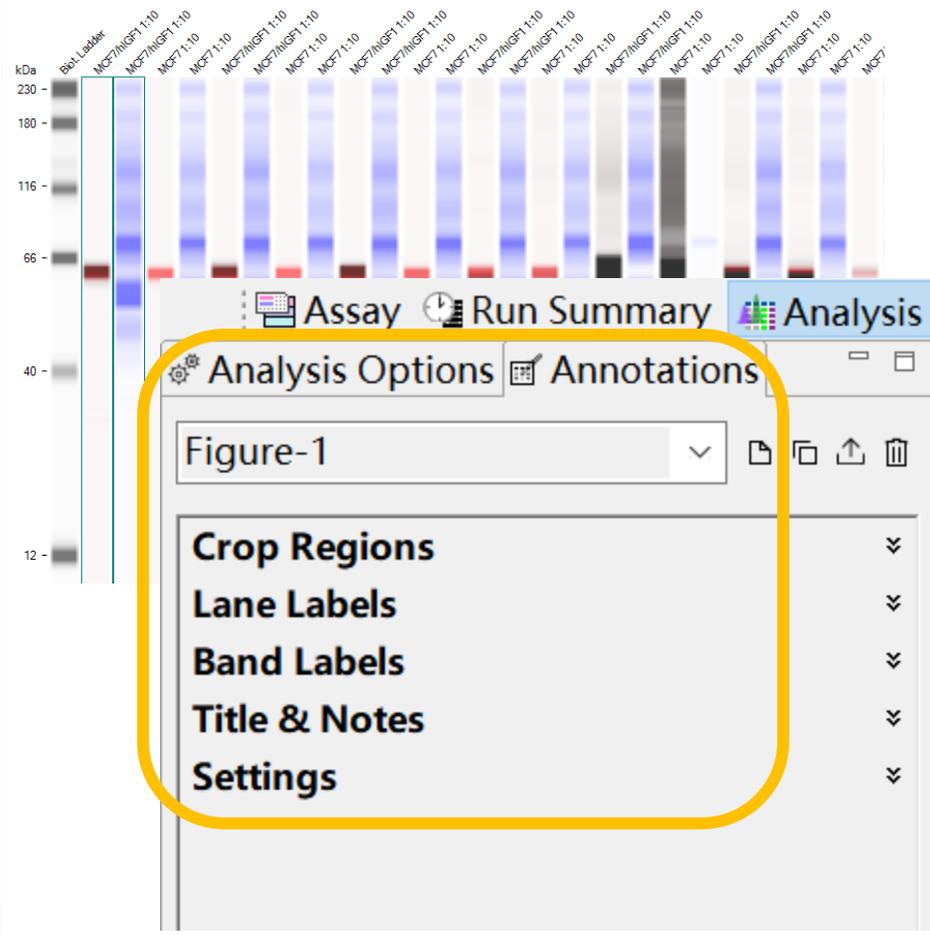
Title & Notes

Settings

自定义条带位置和展示形式

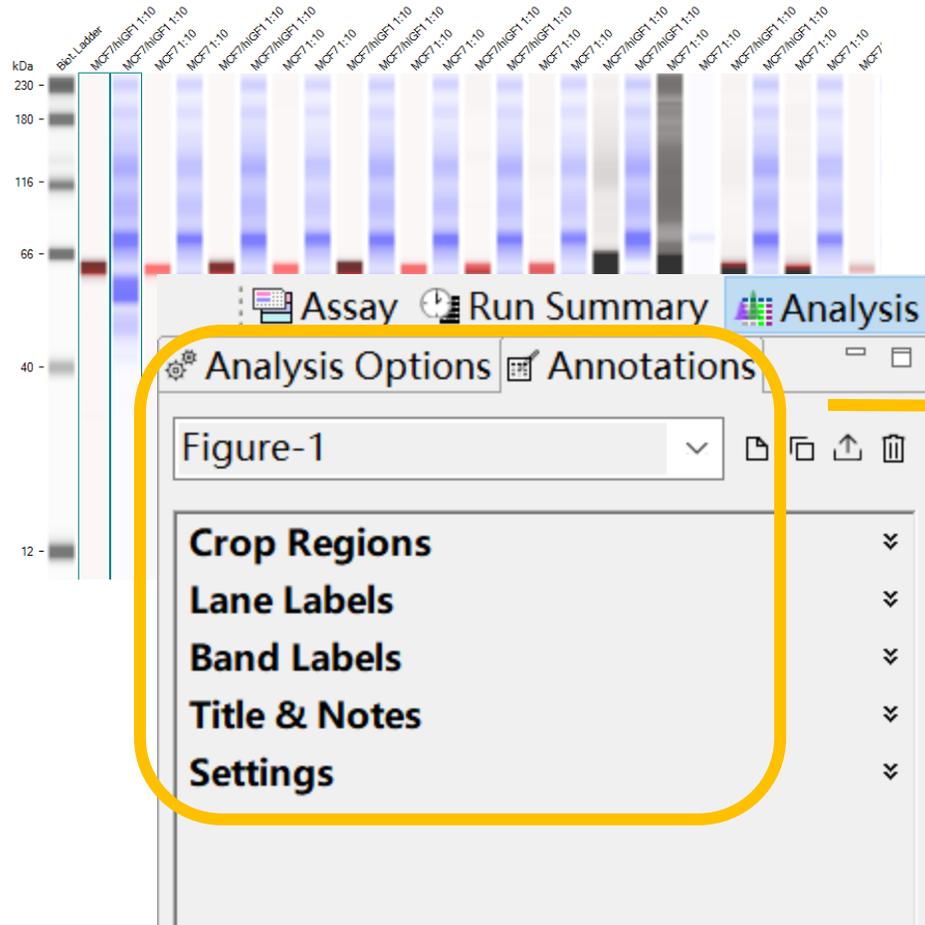
LANE 注释

只需在 COMPASS 内即可进行注释



LANE 注释

只需在 COMPASS 内即可进行注释



LANE 注释

只需在 COMPASS 内即可进行注释

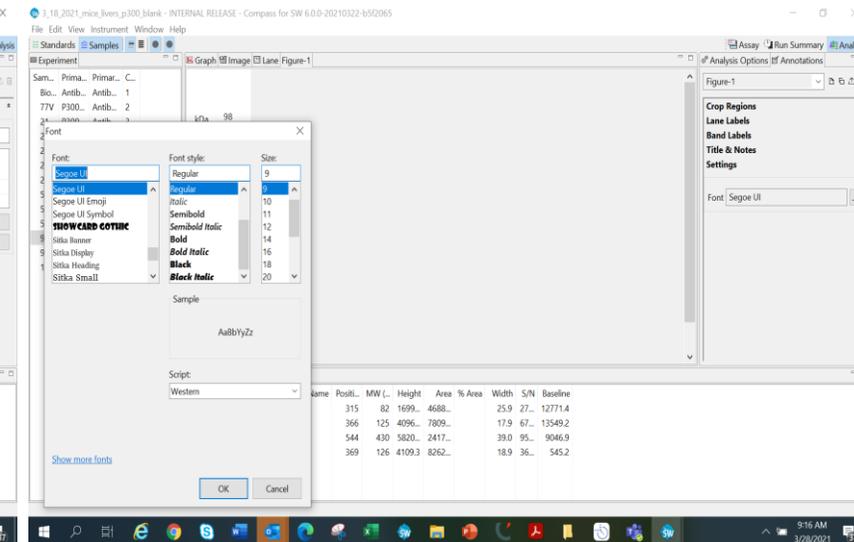
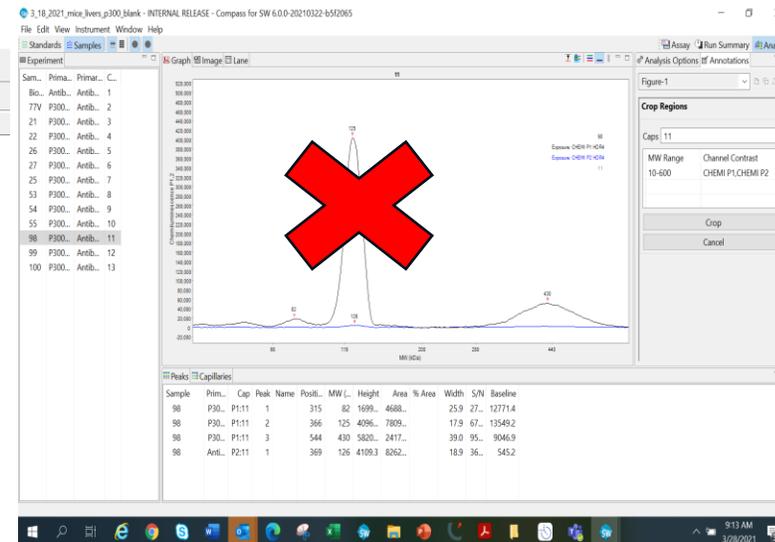
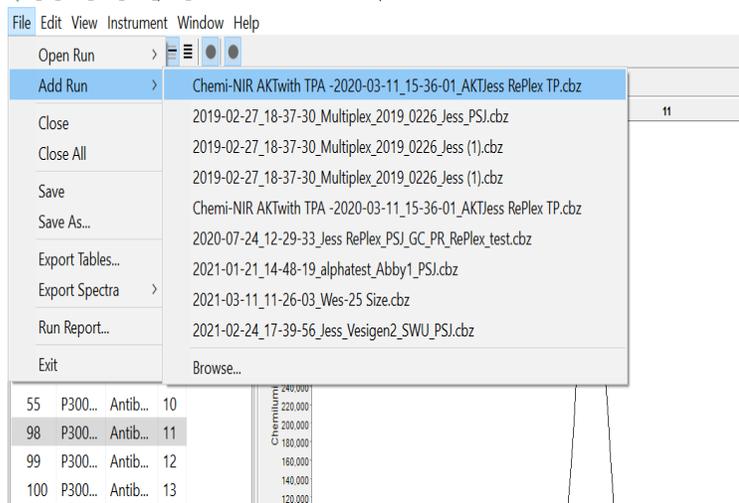


LANE 注释功能目前的局限

只需在 COMPASS 内即可进行注释

- **Add Run** – 同时打开多个运行文件结果不能使用 Lane 注释功能
- **Access Control** – 受管控的运行文件不能使用 Lane 注释功能
- **Graph view** – 不能注释电泳图，只能注释泳道图
- **Fonts** – Lane 工具暂不支持所有类型的字体

3_18_2021_mice_livers_p300_blank - INTERNAL RELEASE - Compass for SW 6.0.0-20210322-b5f2065



- **图像拷贝**

- 在峰形图或者泳道图中，右键点击Copy 复制或保存图像

- **数据拷贝**

- 选中峰统计表中的行（一行或多行），右键点击 Copy 复制数据

- **点击 File→export tables**

- 软件将建立一个文件夹导出各类统计数据

- **点击 File→run report**

- 软件将建立一个 PDF 文档，详细报告图和表

公众号咨询/报修流程



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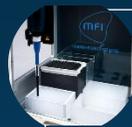
Jess/Wes/Abby
• Simple Western



Ella
• Simple ELISA



Milo
• Simple Sc-Western



MFI
• Simple Particle Analysis



Maurice
• Simple icIEF + CE-SDS

QUESTIONS