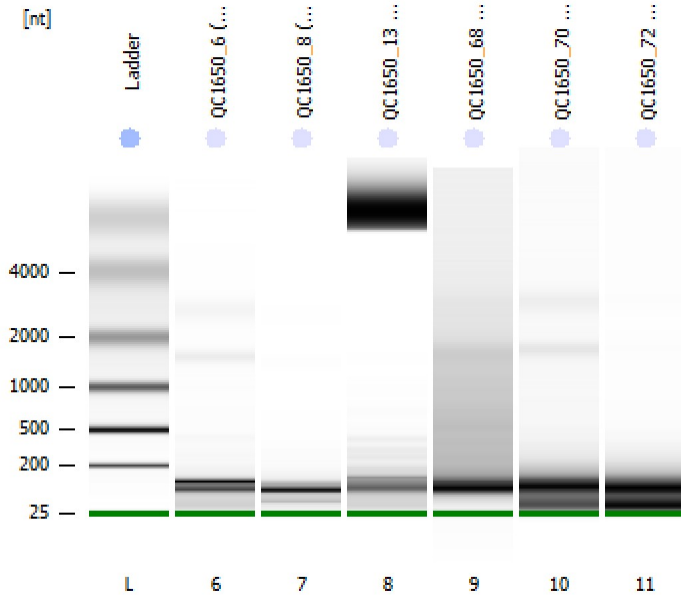


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

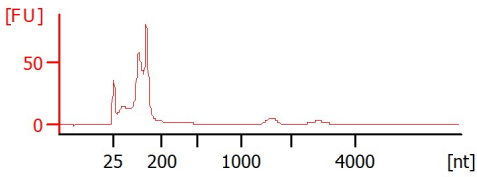
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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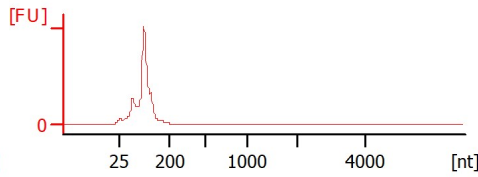
Chip Information:

Chip Lot #:   
Reagent Kit Lot #:   
Chip Comments:

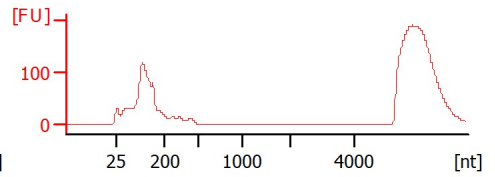
QC1650\_6 (1:4)  
RIN: 3



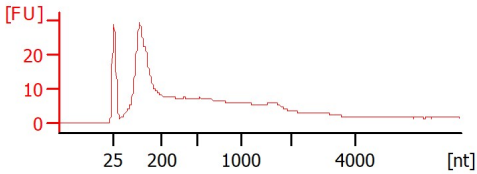
QC1650\_8 (1:4)  
RIN: 2.60



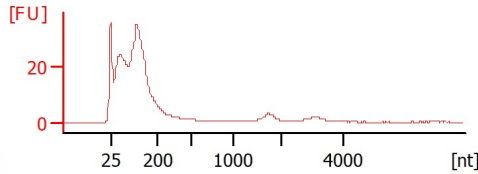
QC1650\_13 (1:6)  
RIN: 2.50



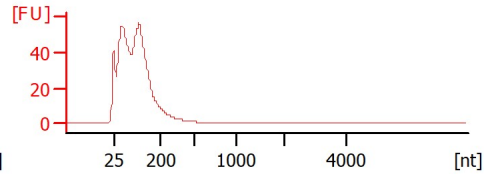
QC1650\_68 (1:50)  
RIN: 2.30



QC1650\_70 (1:50)  
RIN: 2.90



QC1650\_72 (1:50)  
RIN: 2.60



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:22:53 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1650_6 (1:4)		✓	RIN:3	
QC1650_8 (1:4)		✓	RIN: 2.60	
QC1650_13 (1:6)		✓	RIN: 2.50	
QC1650_68 (1:50)		✓	RIN: 2.30	
QC1650_70 (1:50)		✓	RIN: 2.90	
QC1650_72 (1:50)		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ $\mu$ l] : 1000

Lower Marker Concentration [pg/ $\mu$ l] : 0

Upper Marker Concentration [pg/ $\mu$ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

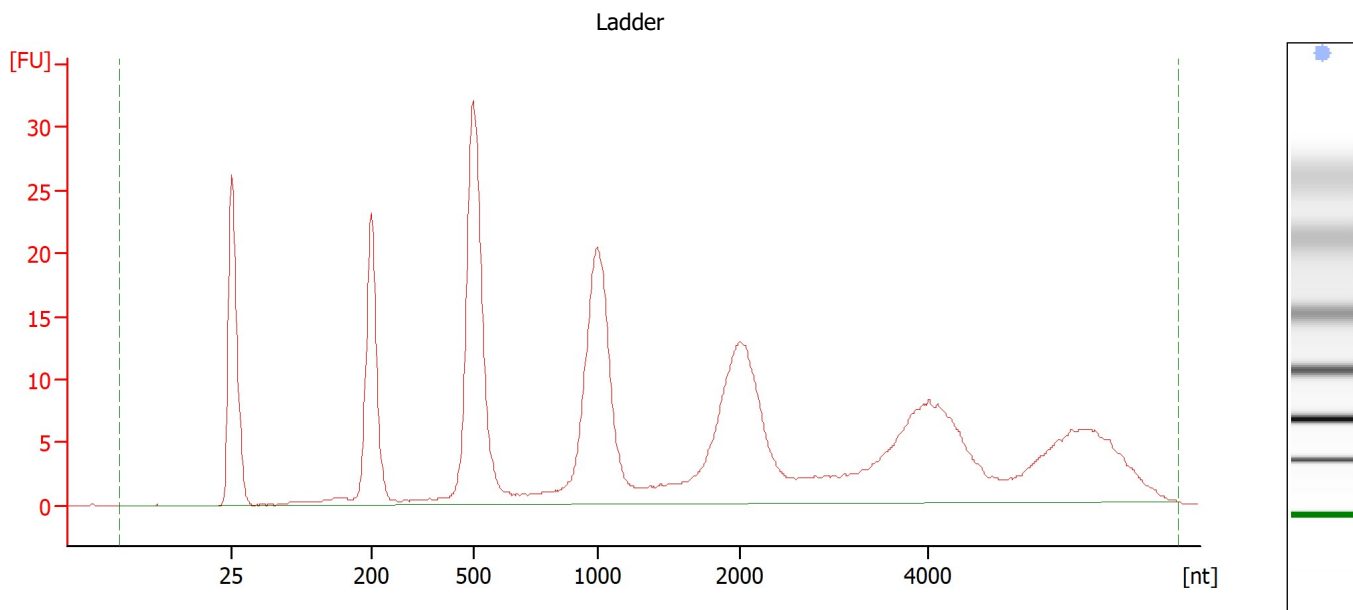
### Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary**



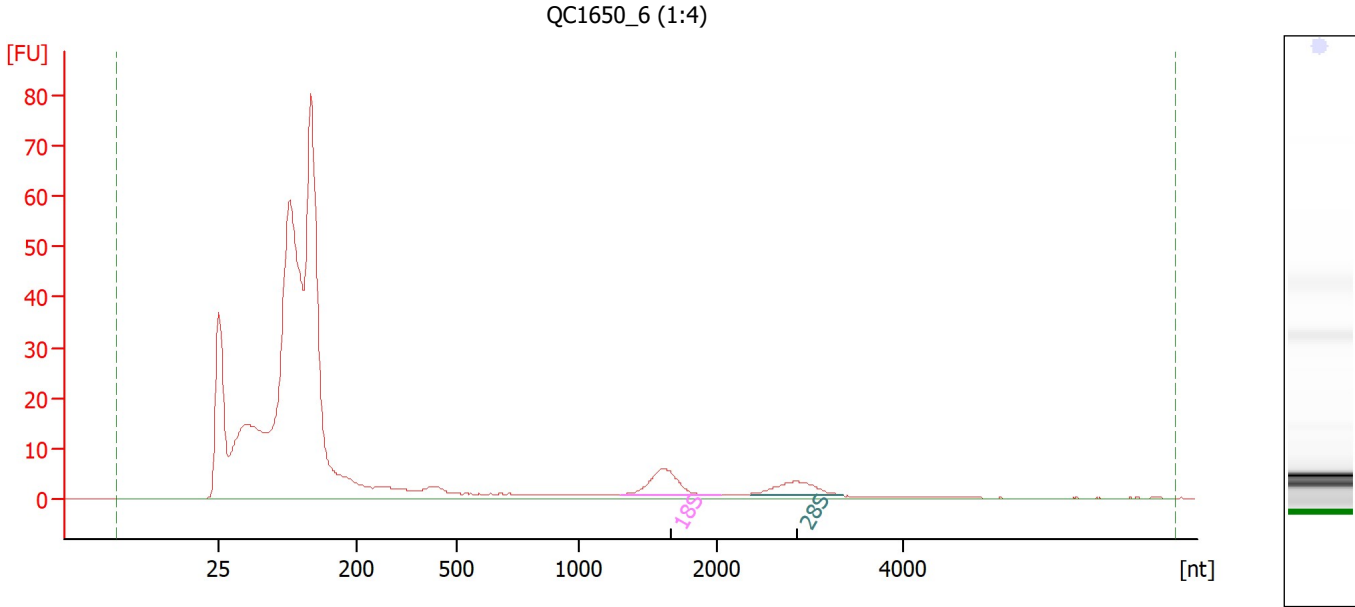
**Overall Results for Ladder**

RNA Area:	377.9	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : QC1650\_6 (1:4)**

RNA Area: 591.4                      RNA Integrity Number (RIN): 3 (B.02.10, Anomaly Threshold(s) manually adapted)

RNA Concentration: 1,565 pg/μl

rRNA Ratio [28s / 18s]: 0.6

Result Flagging Color:

Result Flagging Label: RIN:3

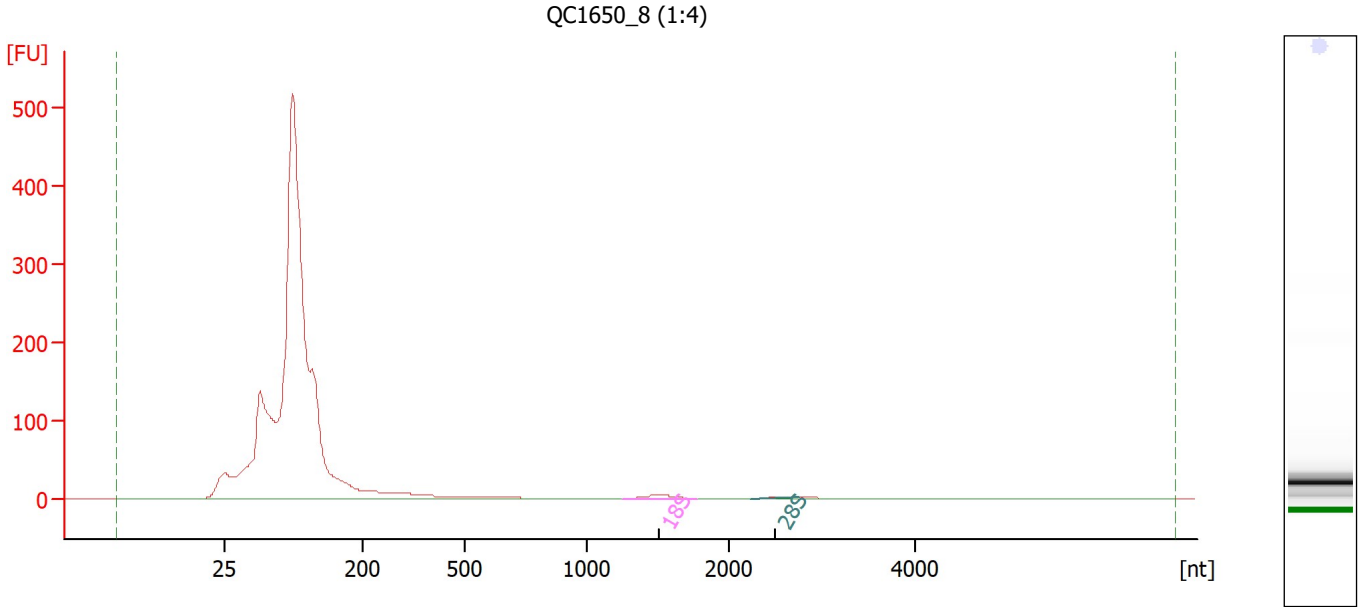
**Fragment table for sample 6 : QC1650\_6 (1:4)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,307	2,042	17.4	2.9
28S	2,354	3,349	11.1	1.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1650 8 (1:4)**

RNA Area:	2,705.8	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	7,161 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.60

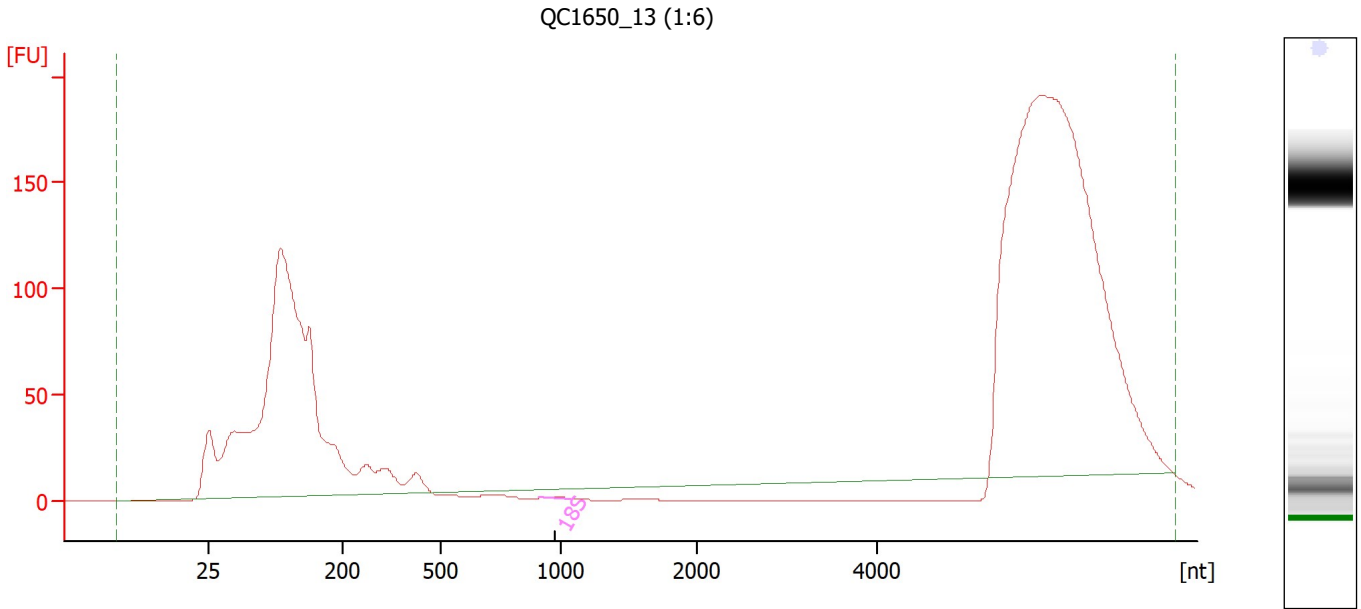
**Fragment table for sample 7 : QC1650 8 (1:4)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,248	1,778	16.5	0.6
28S	2,250	2,754	1.1	0.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1650\_13 (1:6)**

RNA Area:	2,598.3	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	6,876 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

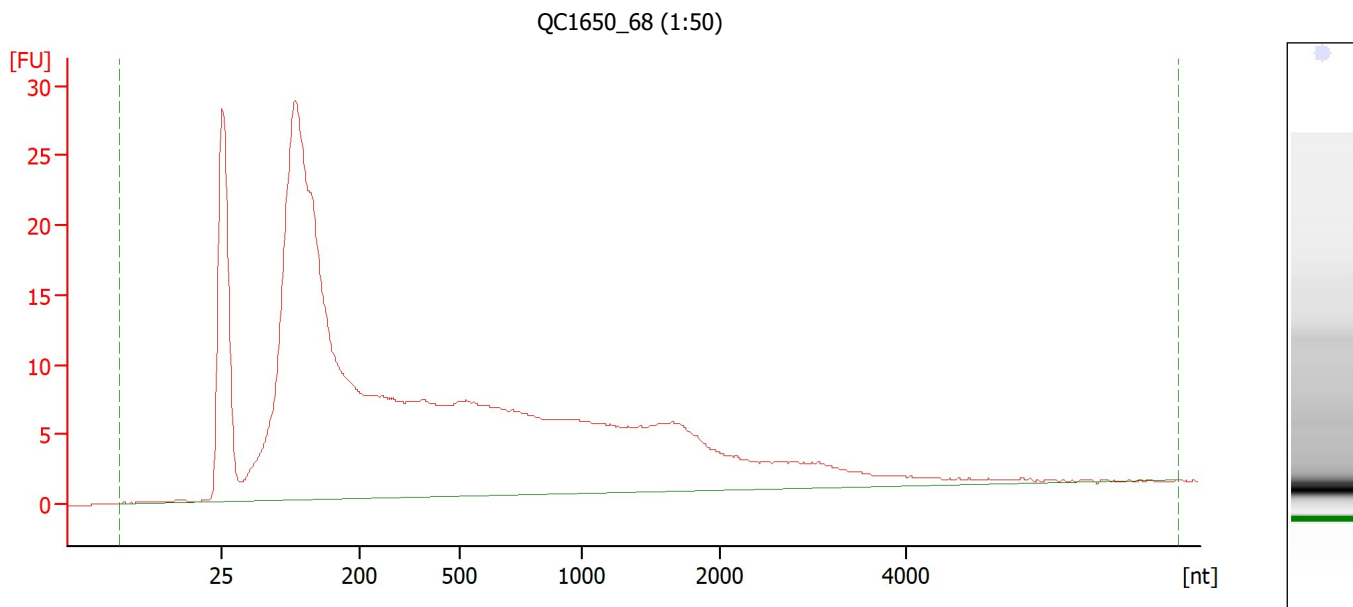
**Fragment table for sample 8 : QC1650\_13 (1:6)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	910	1,071	1.6	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1650\_68 (1:50)**

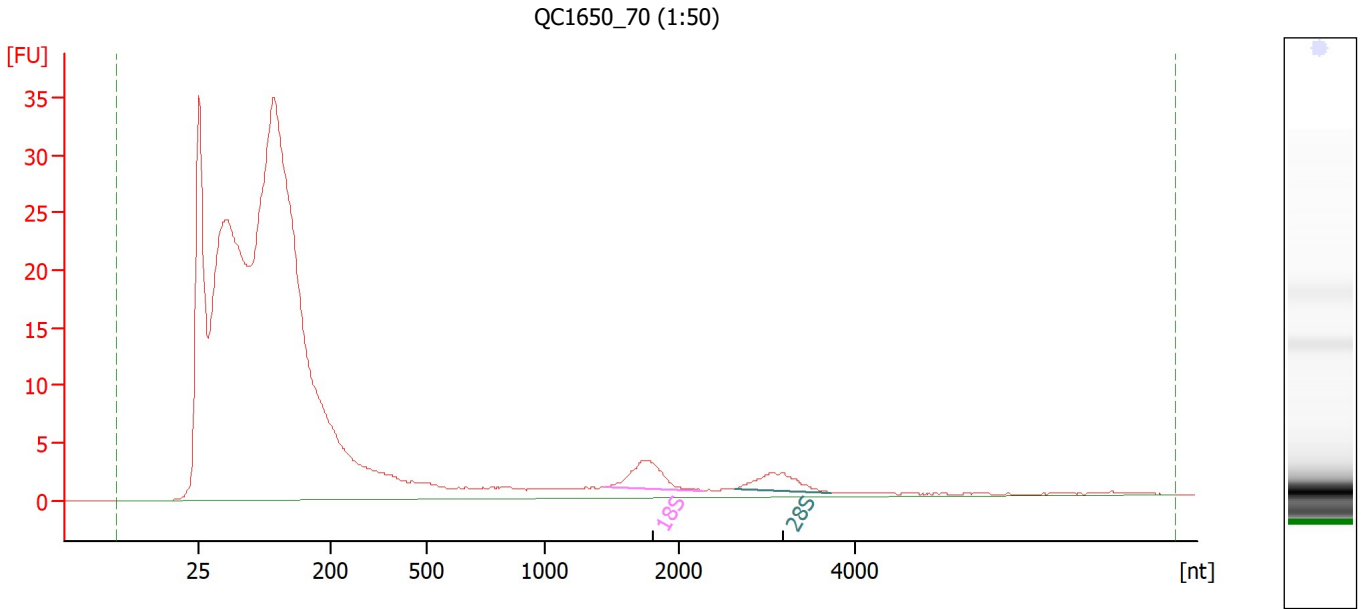
RNA Area:	536.5	RNA Integrity Number (RIN):	2.3 (B.02.10)
RNA Concentration:	1,420 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : QC1650\_70 (1:50)**

RNA Area: 543.0 RNA Integrity Number (RIN): 2.9 (B.02.10)  
RNA Concentration: 1,437 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 2.90

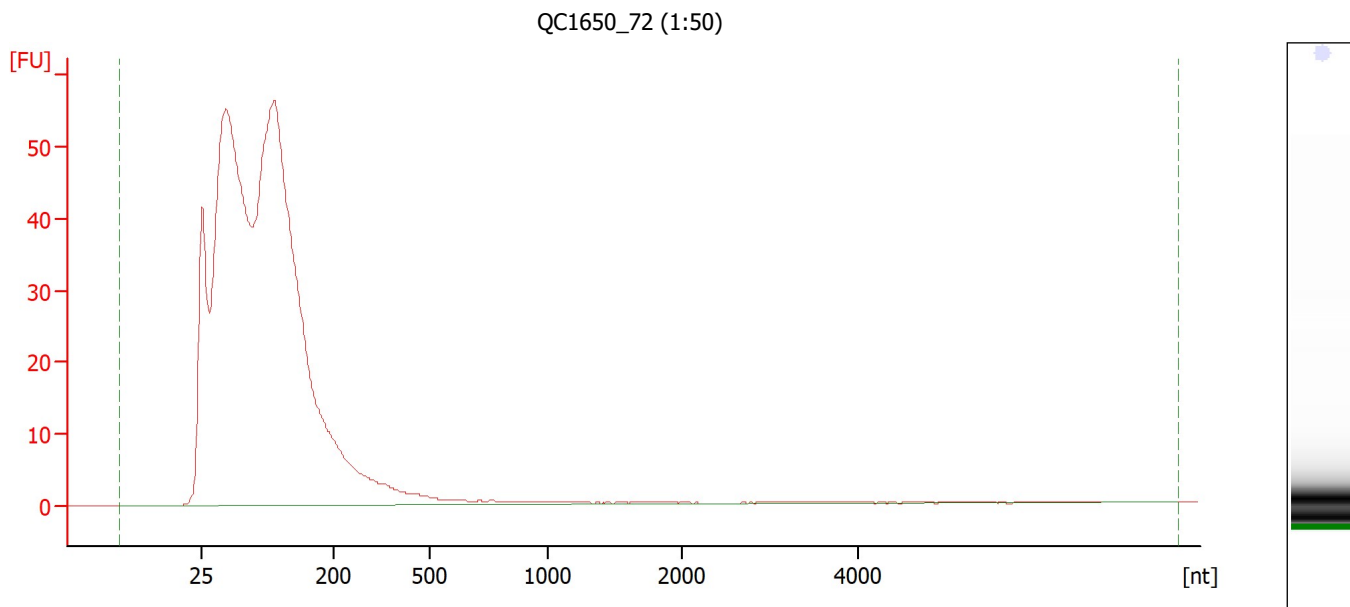
**Fragment table for sample 10 : QC1650\_70 (1:50)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,457	2,287	9.7	1.8
28S	2,648	3,732	6.6	1.2

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:22:53 PM

**Electropherogram Summary Continued ...**



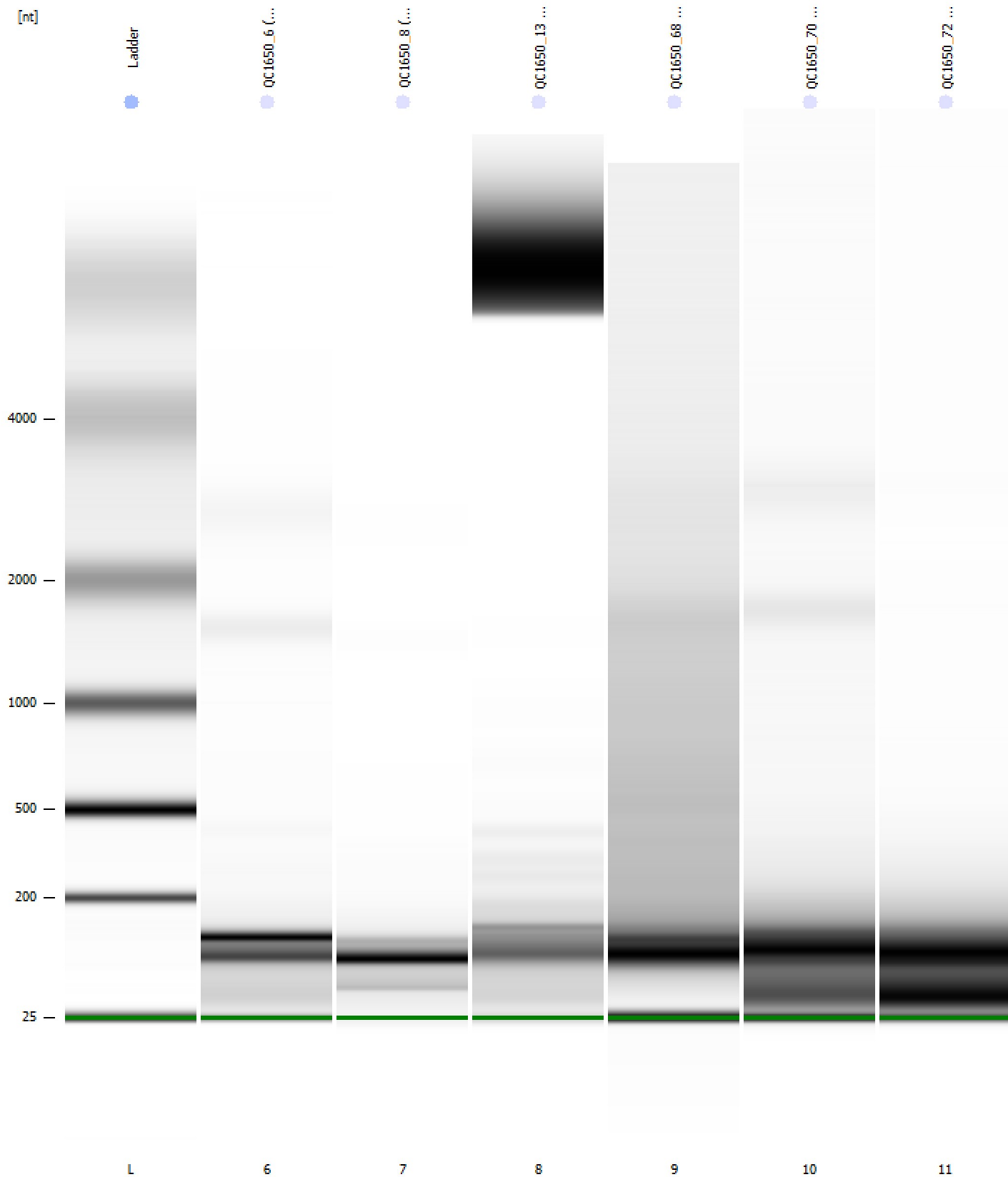
**Overall Results for sample 11 : QC1650\_72 (1:50)**

RNA Area:	892.4	RNA Integrity Number (RIN):	2.6 (B.02.10)
RNA Concentration:	2,362 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

Gel Image

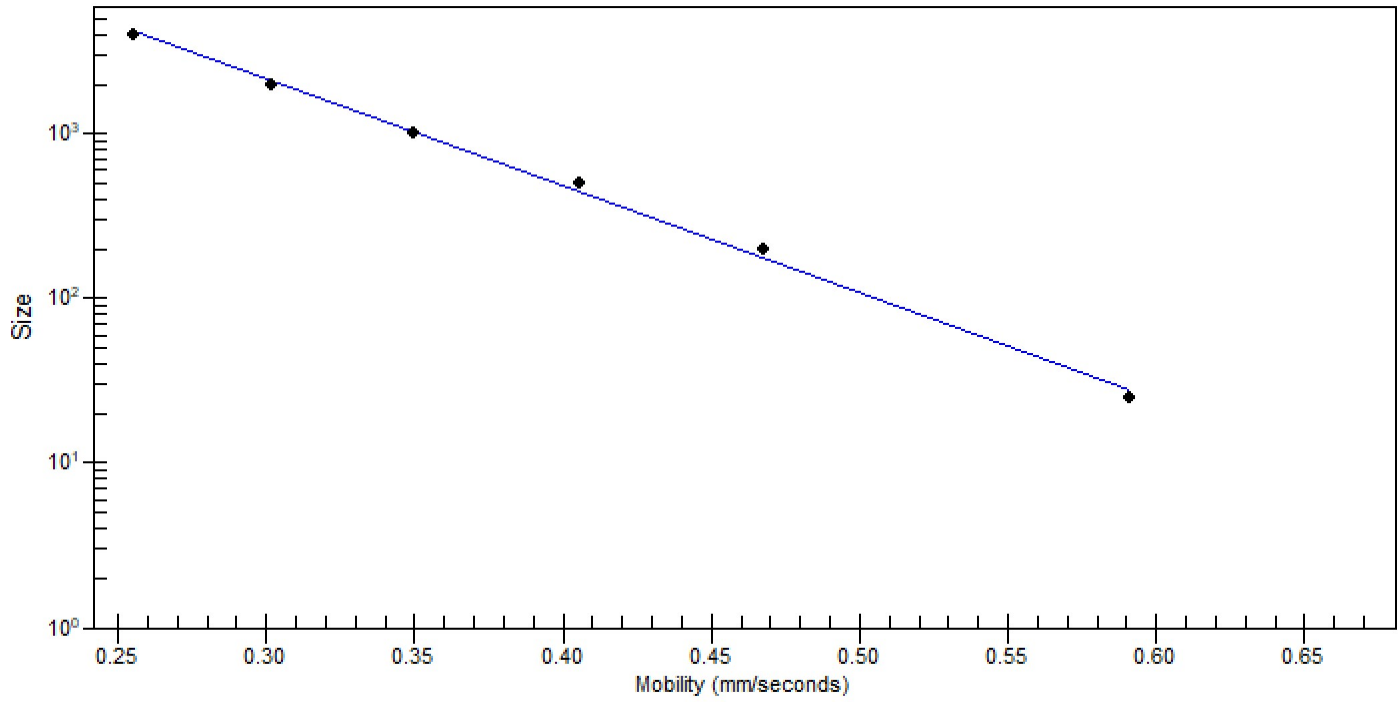


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
Modified: 10/31/2023 4:22:53 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...yzer\2100 expert\data\2023-10-31\QC1650\_6\_8\_13\_68\_70\_72.xad

Created: 10/31/2023 3:16:08 PM  
 Modified: 10/31/2023 4:22:53 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/31/2023 3:39:02 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-31\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-31_001.xad)		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/31/2023 3:16:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB