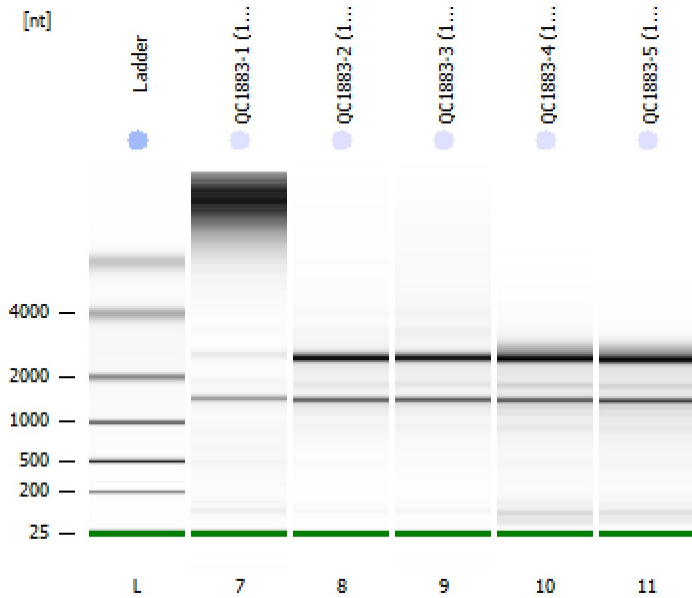


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 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:

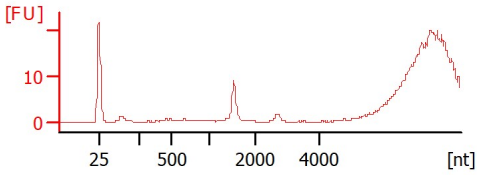
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

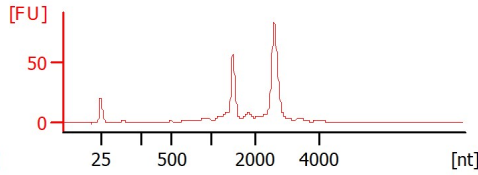
QC1883-1 (1:23)

RIN: 8.10



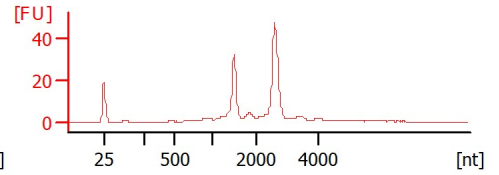
QC1883-2 (1:23)

RIN: 9.70



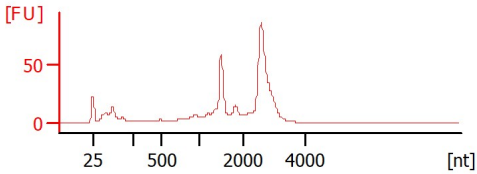
QC1883-3 (1:23)

RIN: 9.70



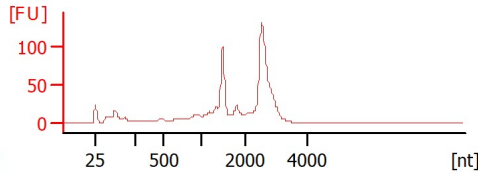
QC1883-4 (1:23)

RIN: 8.90



QC1883-5 (1:23)

RIN: 8.70



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
 Modified: 6/14/2024 5:36:30 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1883-1 (1:23)		✓	RIN: 8.10	
QC1883-2 (1:23)		✓	RIN: 9.70	
QC1883-3 (1:23)		✓	RIN: 9.70	
QC1883-4 (1:23)		✓	RIN: 8.90	
QC1883-5 (1:23)		✓	RIN: 8.70	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 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

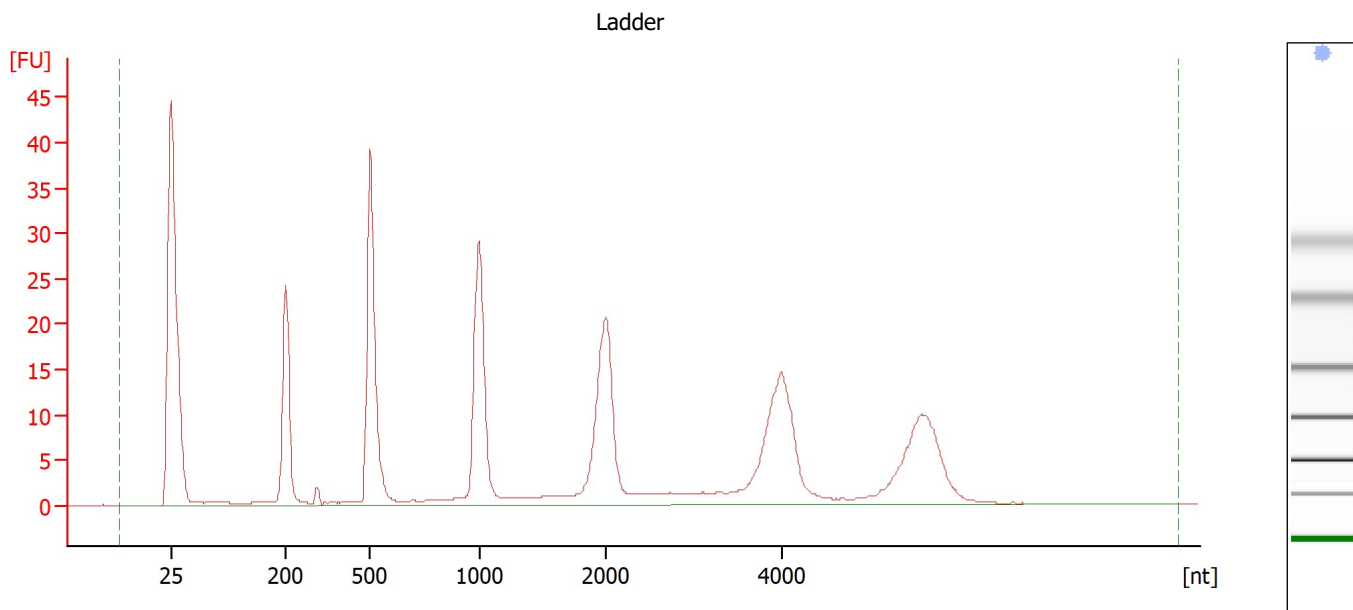
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Electropherogram Summary**



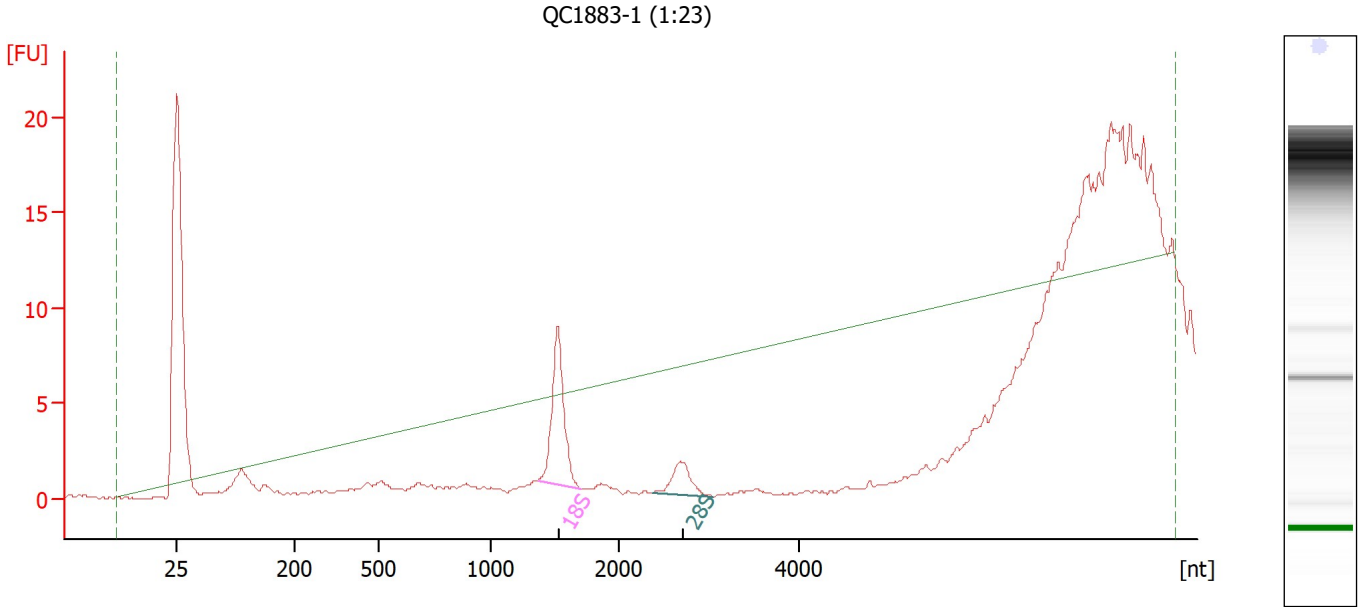
**Overall Results for Ladder**

RNA Area:	295.6	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:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1883-1 (1:23)**

RNA Area:	36.9	RNA Integrity Number (RIN):	8.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	125 µg/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]:	0.3	Result Flagging Label:	RIN: 8.10

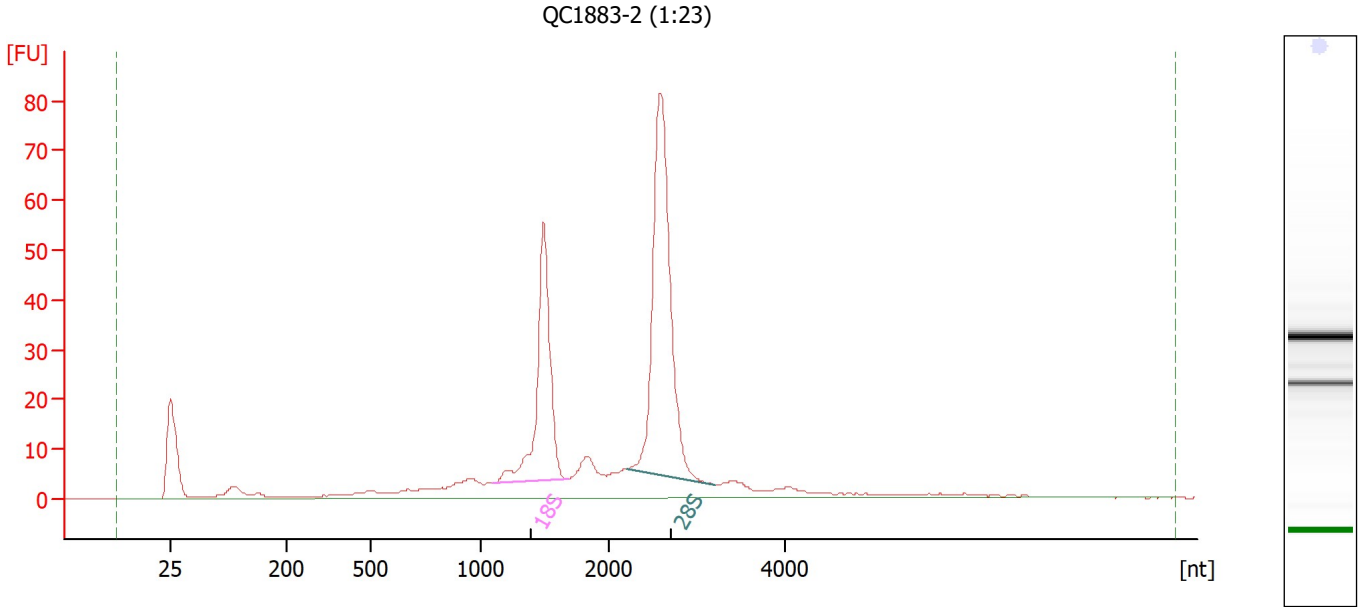
**Fragment table for sample 7 : QC1883-1 (1:23)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,372	1,705	13.2	35.8
28S	2,387	3,054	3.8	10.4

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1883-2 (1:23)**

RNA Area: 455.8 RNA Integrity Number (RIN): 9.7 (B.02.10)  
RNA Concentration: 1,542 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.70

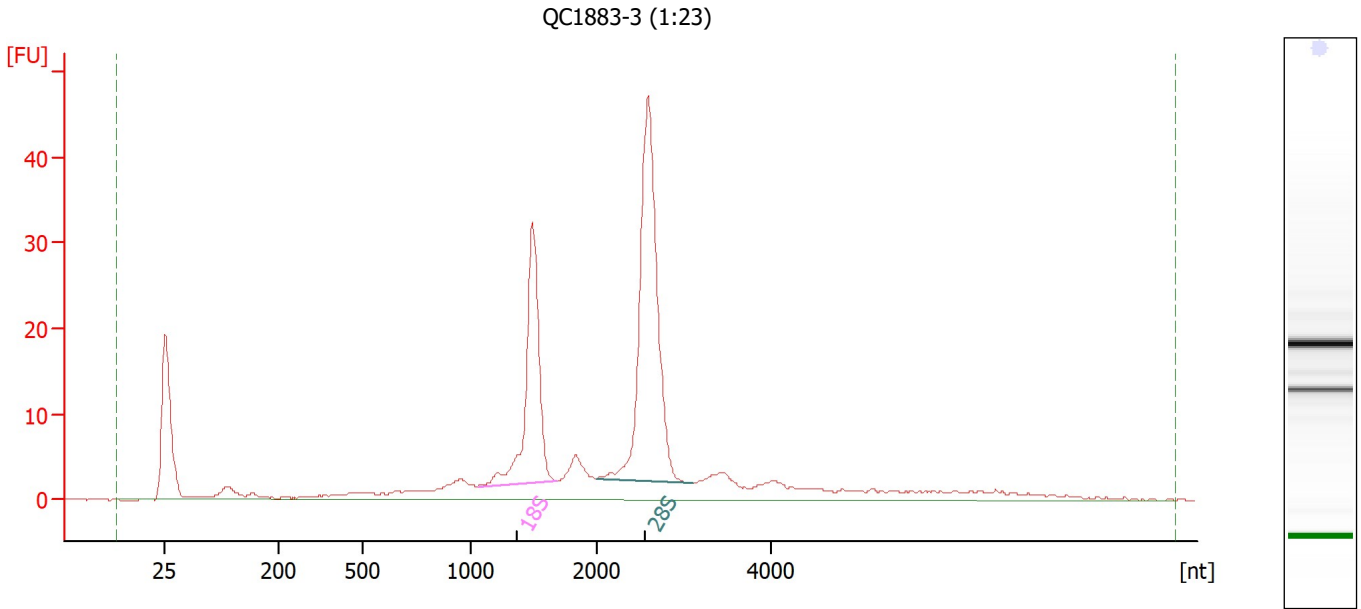
**Fragment table for sample 8 : QC1883-2 (1:23)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,084	1,682	93.2	20.4
28S	2,207	3,194	160.9	35.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1883-3 (1:23)**

RNA Area: 284.3 RNA Integrity Number (RIN): 9.7 (B.02.10)  
RNA Concentration: 962 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.70

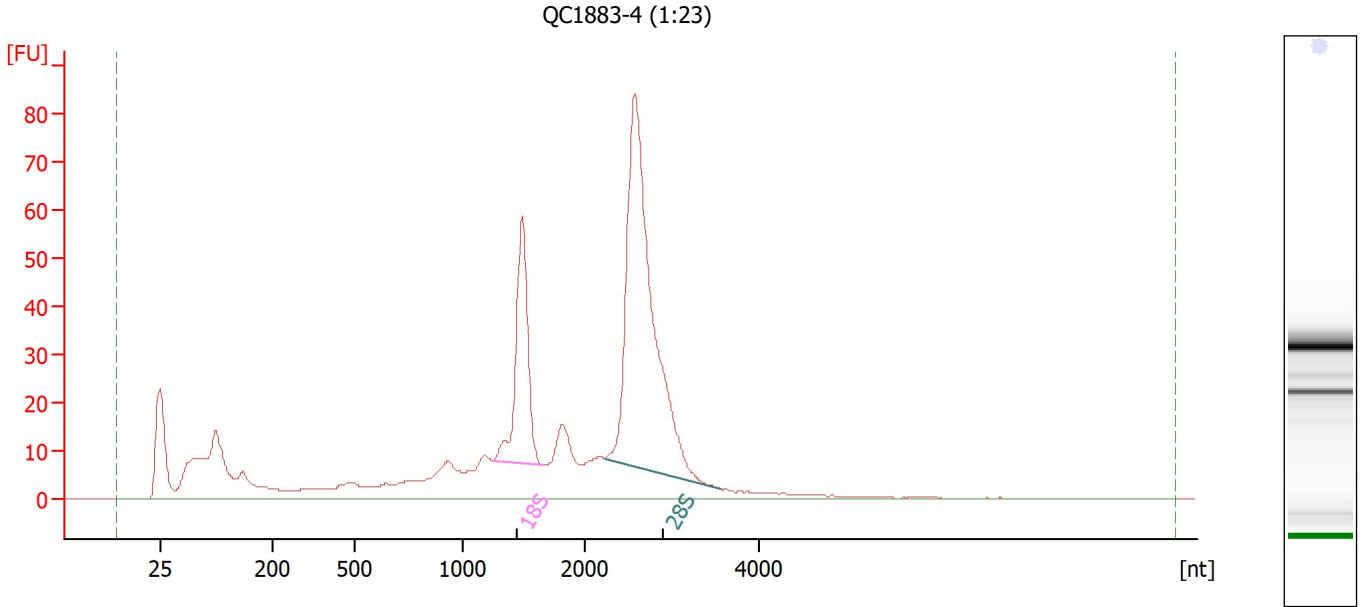
**Fragment table for sample 9 : QC1883-3 (1:23)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,059	1,690	54.6	19.2
28S	2,009	3,107	94.0	33.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : QC1883-4 (1:23)**

RNA Area: 751.1 RNA Integrity Number (RIN): 8.9 (B.02.10)  
RNA Concentration: 2,541 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.8 Result Flagging Label: RIN: 8.90

**Fragment table for sample 10 : QC1883-4 (1:23)**

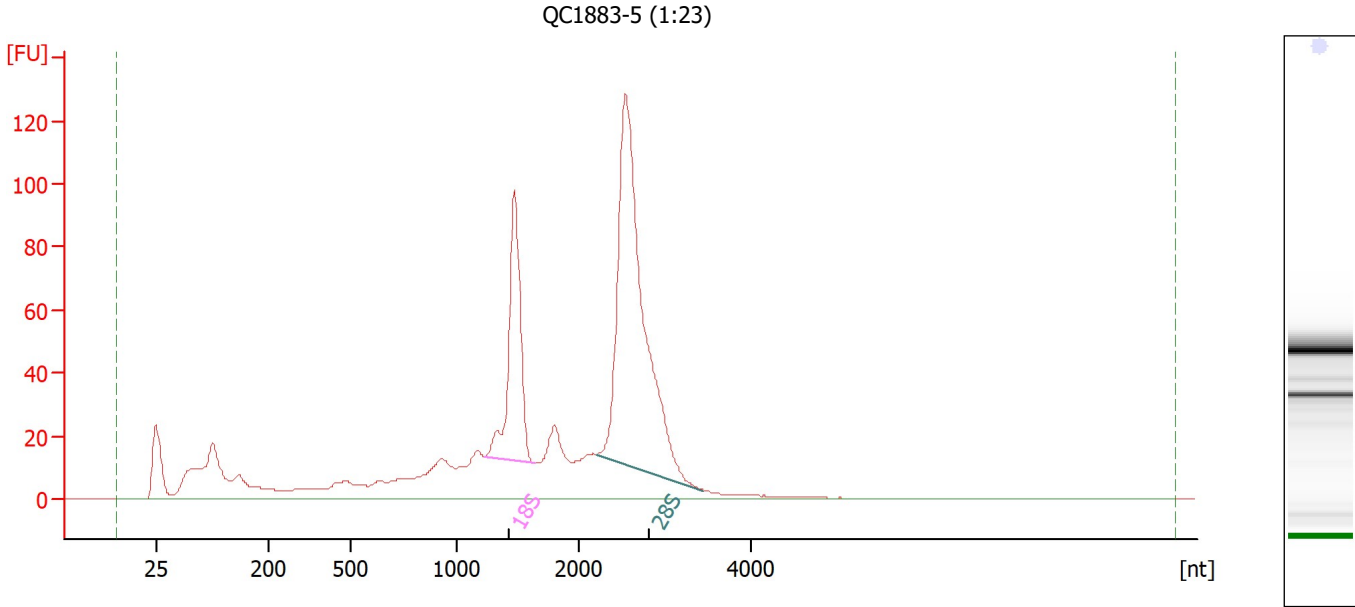
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,252	1,658	85.6	11.4
28S	2,215	3,573	240.8	32.1



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : QC1883-5 (1:23)**

RNA Area: 1,132.5                      RNA Integrity Number (RIN): 8.7 (B.02.10)  
RNA Concentration: 3,831 pg/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.5                      Result Flagging Label: RIN: 8.70

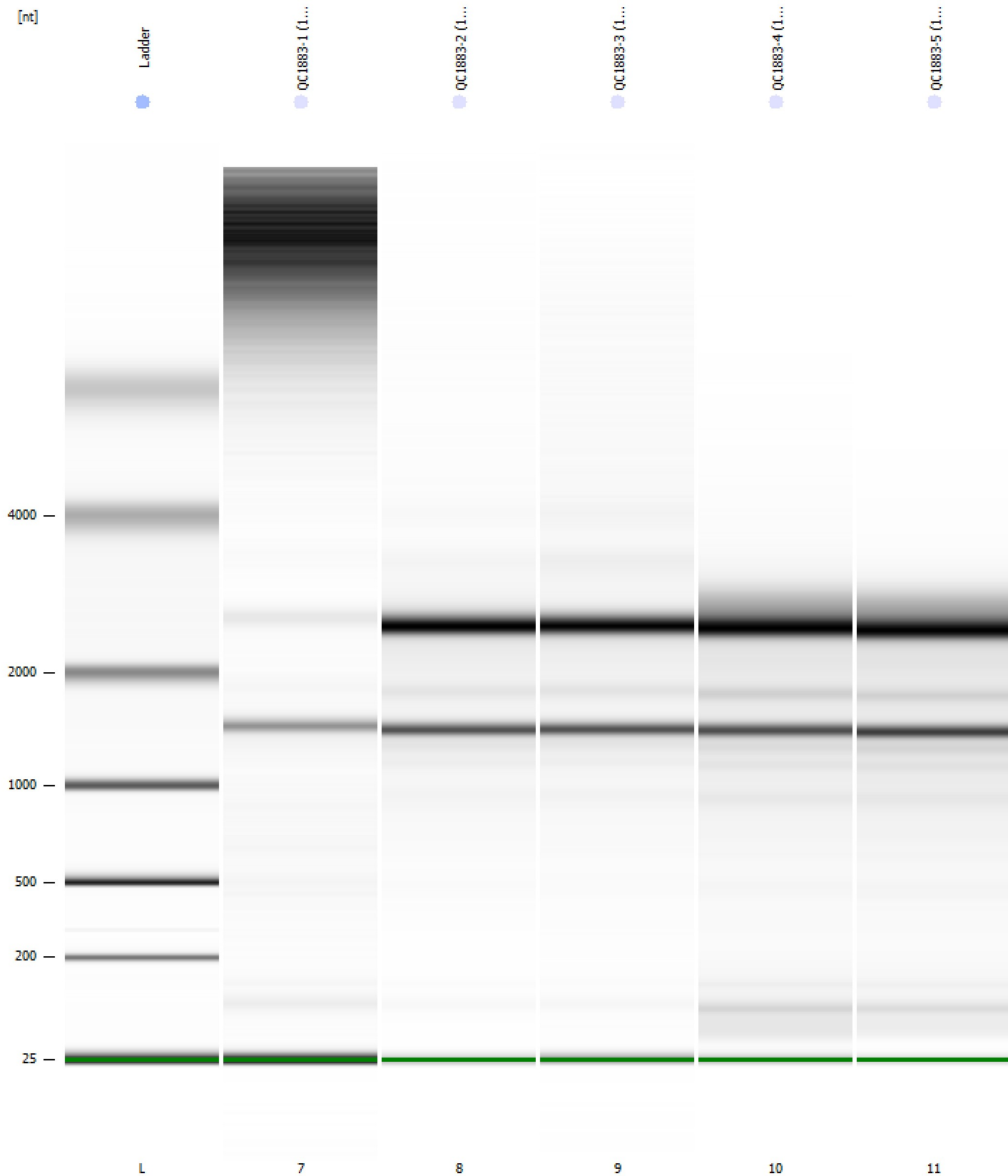
**Fragment table for sample 11 : QC1883-5 (1:23)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,228	1,636	143.0	12.6
28S	2,213	3,444	361.7	31.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
Modified: 6/14/2024 5:36:30 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2024-06-14\QC1883\_1-5.xad

Created: 6/14/2024 4:40:12 PM  
 Modified: 6/14/2024 5:36:30 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		6/14/2024 5:03:07 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\2024-06-14\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2024-06-14_001.xad)		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/14/2024 4:40:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB