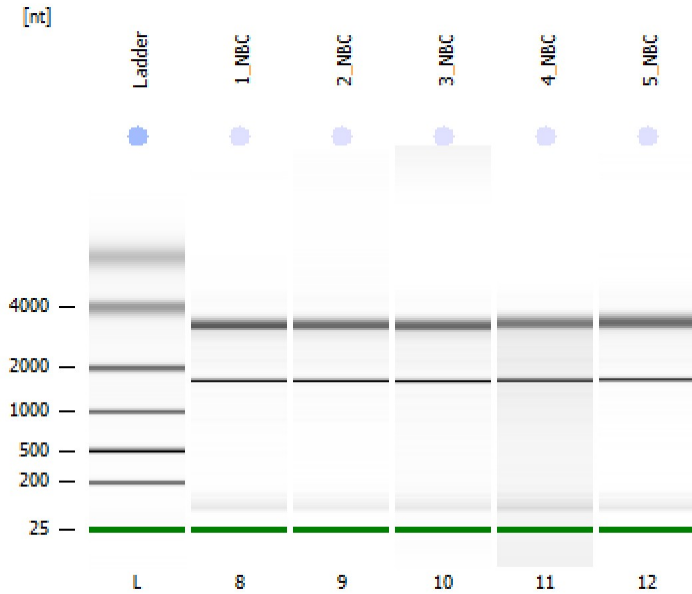


Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

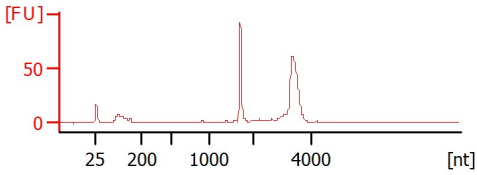
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

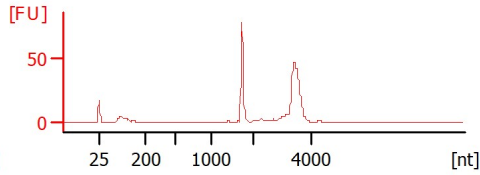
Chip Information:

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

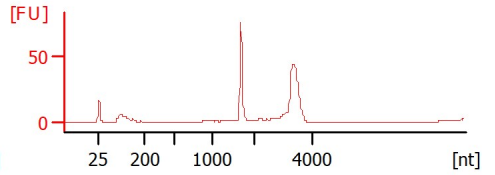
**1\_NBC**  
QC0619  
RIN: 9.70



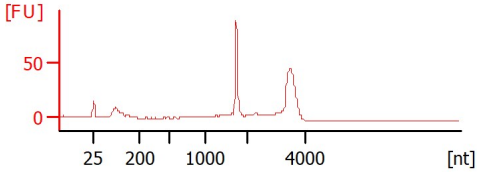
**2\_NBC**  
QC0619  
RIN: 9.80



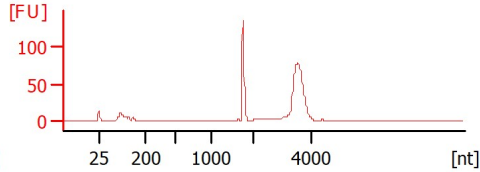
**3\_NBC**  
QC0619  
RIN: 9.40



**4\_NBC**  
QC0619  
RIN: 9.20



**5\_NBC**  
QC0619  
RIN: 9.90



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
 Modified: 8/5/2020 12:48:55 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
1_NBC	QC0619	✓	RIN: 9.70	
2_NBC	QC0619	✓	RIN: 9.80	
3_NBC	QC0619	✓	RIN: 9.40	
4_NBC	QC0619	✓	RIN: 9.20	
5_NBC	QC0619	✓	RIN: 9.90	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

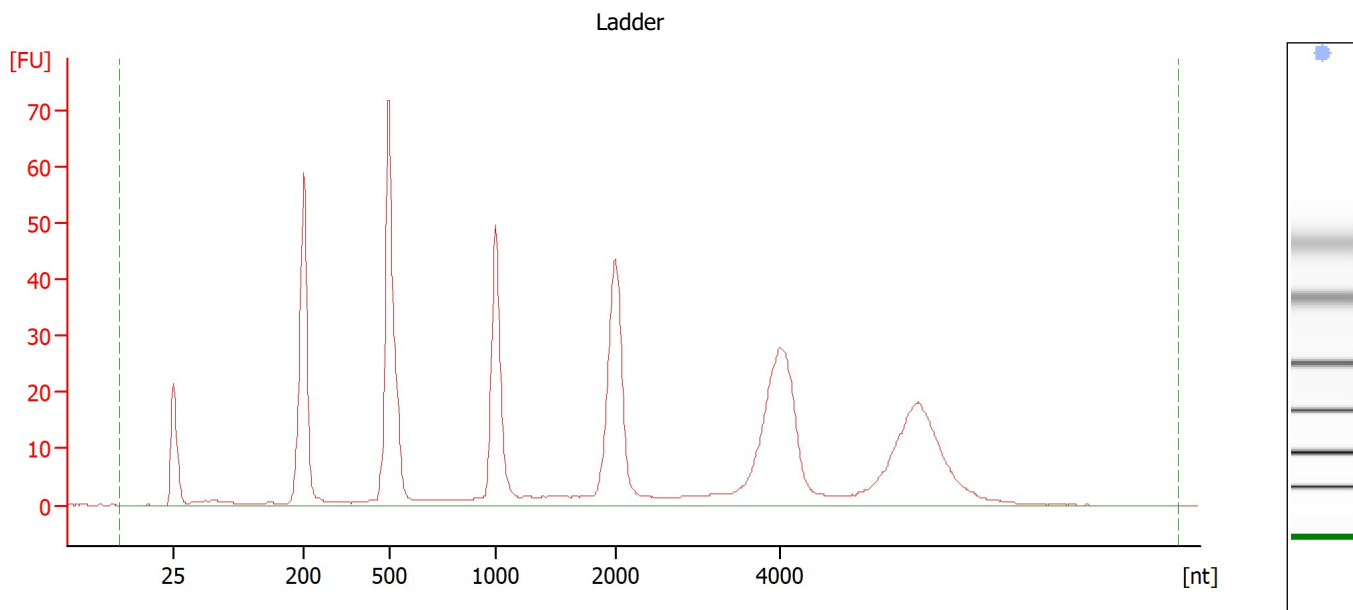
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Electropherogram Summary**



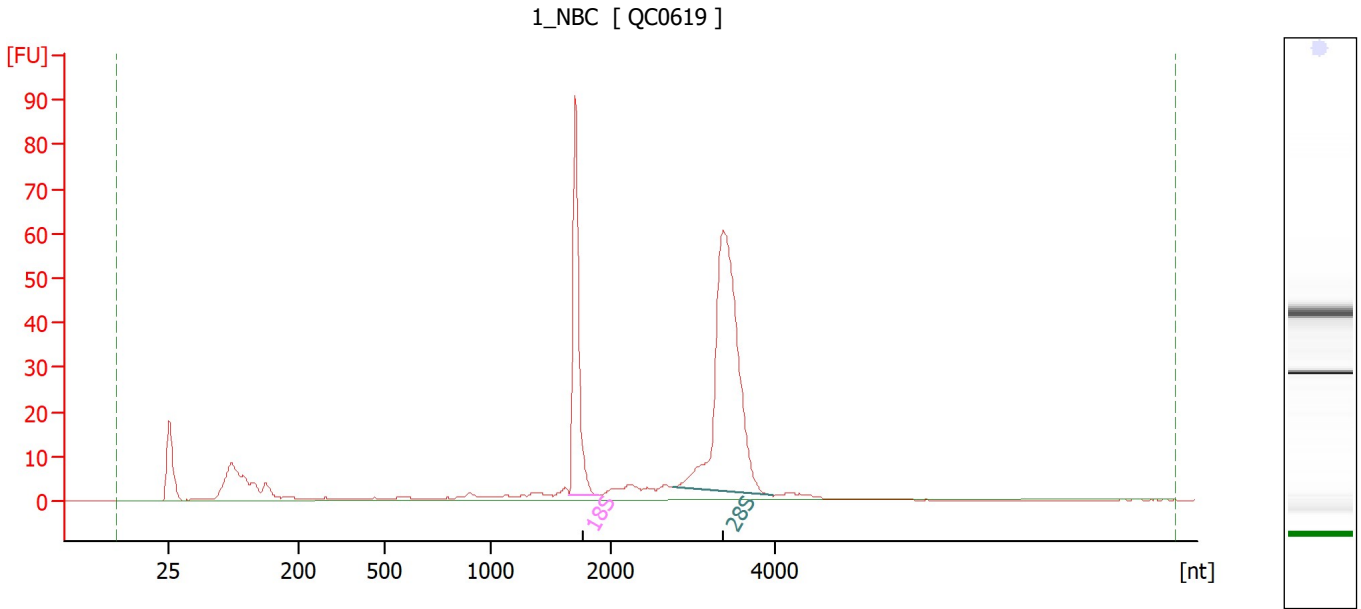
**Overall Results for Ladder**

RNA Area:	584.1	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 1\_NBC**

RNA Area: 356.0                      RNA Integrity Number (RIN): 9.7 (B.02.10)  
RNA Concentration: 91 ng/μl            Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1            Result Flagging Label: RIN: 9.70

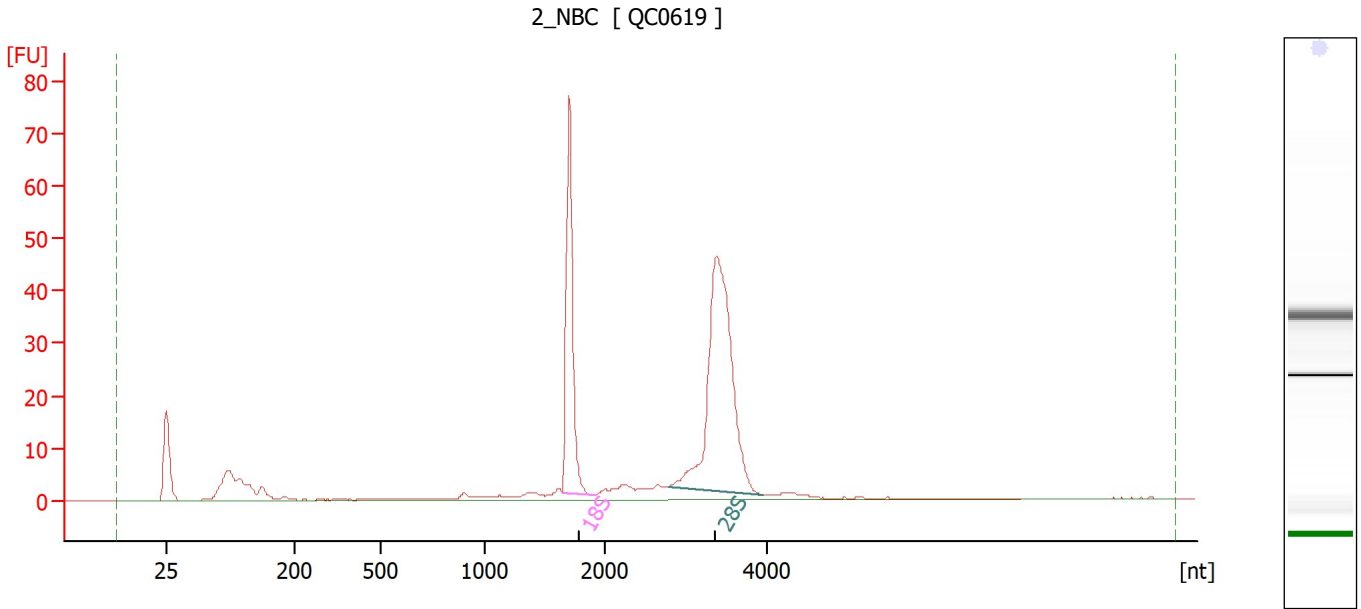
**Fragment table for sample 8 : 1\_NBC**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,653	1,901	72.2	20.3
28S	2,767	3,964	153.6	43.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 2\_NBC**

RNA Area: 272.2                      RNA Integrity Number (RIN): 9.8 (B.02.10)  
RNA Concentration: 70 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.0              Result Flagging Label: RIN: 9.80

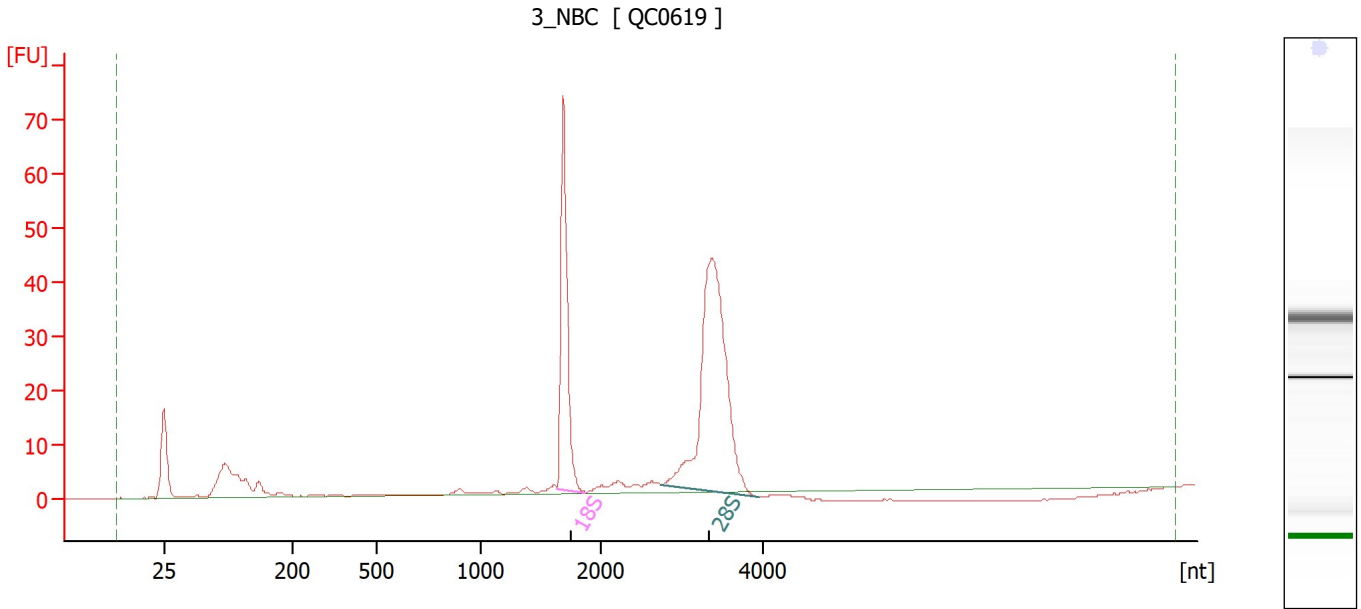
**Fragment table for sample 9 : 2\_NBC**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	1,917	61.9	22.7
28S	2,783	3,936	121.0	44.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 3\_NBC**

RNA Area: 245.3                      RNA Integrity Number (RIN): 9.4 (B.02.10)  
RNA Concentration: 63 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1              Result Flagging Label: RIN: 9.40

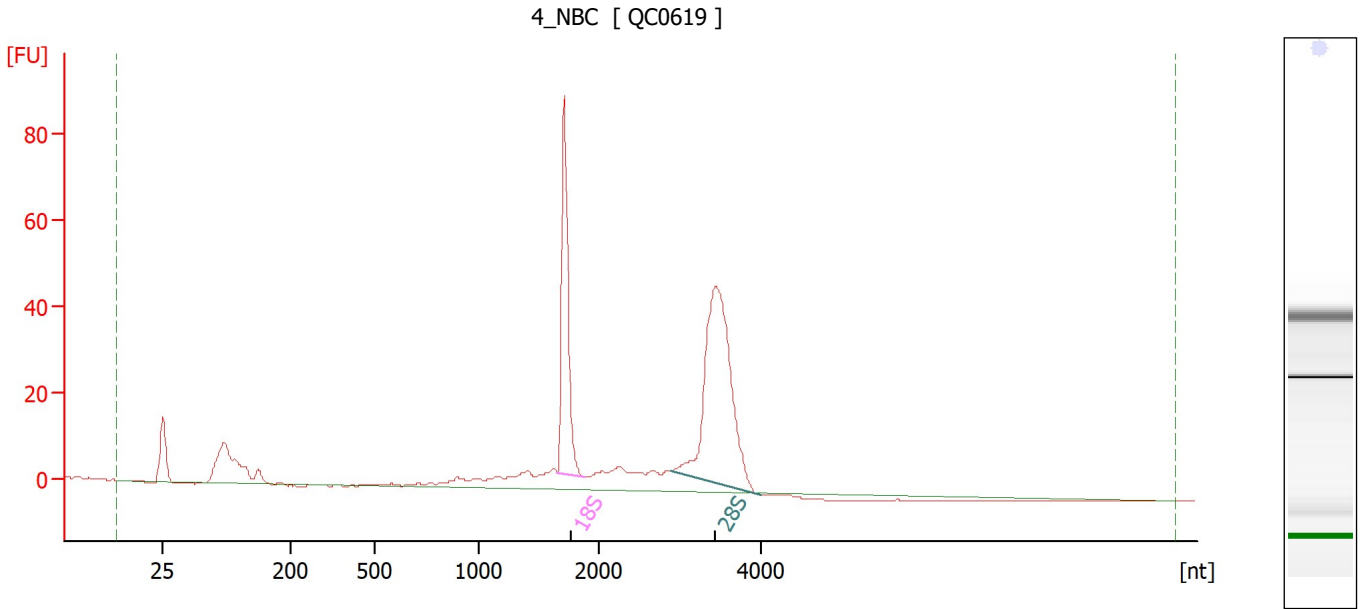
**Fragment table for sample 10 : 3\_NBC**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	1,871	60.0	24.5
28S	2,745	3,943	124.0	50.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 4\_NBC**

RNA Area: 358.0                      RNA Integrity Number (RIN): 9.2 (B.02.10)  
RNA Concentration: 92 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.9              Result Flagging Label: RIN: 9.20

**Fragment table for sample 11 : 4\_NBC**

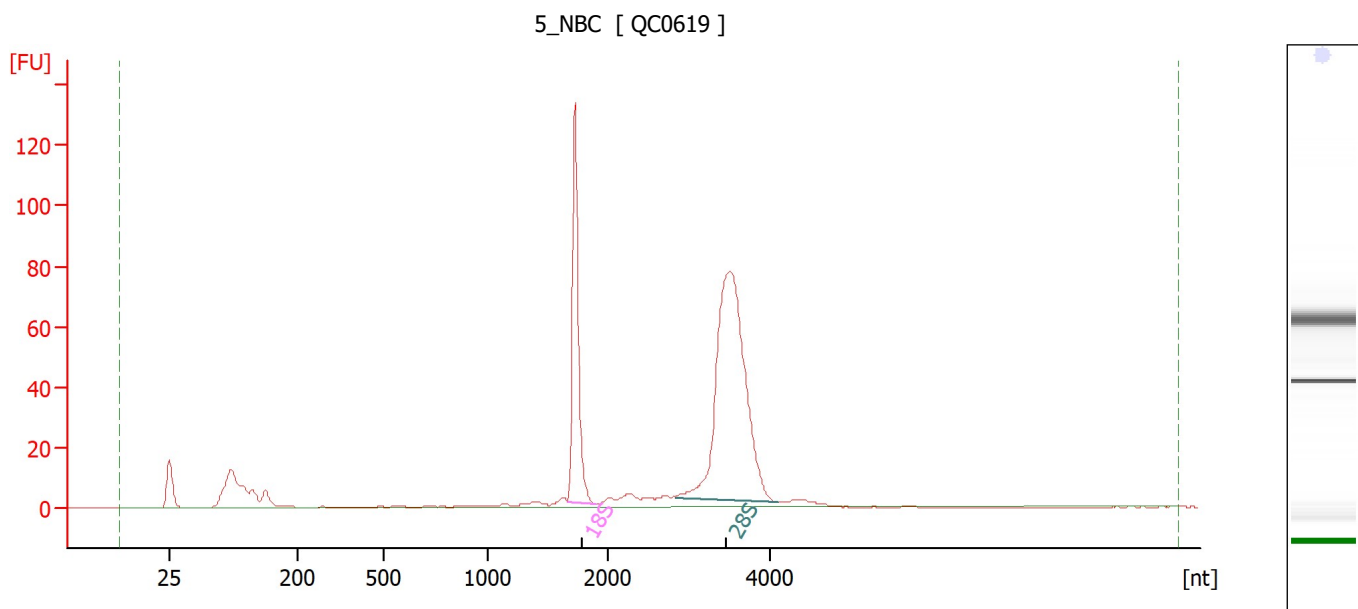
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,879	71.7	20.0
28S	2,905	4,013	136.5	38.1



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
 Modified: 8/5/2020 12:48:55 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 5\_NBC**

RNA Area:	508.3	RNA Integrity Number (RIN):	9.9 (B.02.10)
RNA Concentration:	131 ng/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]:	2.3	Result Flagging Label:	RIN: 9.90

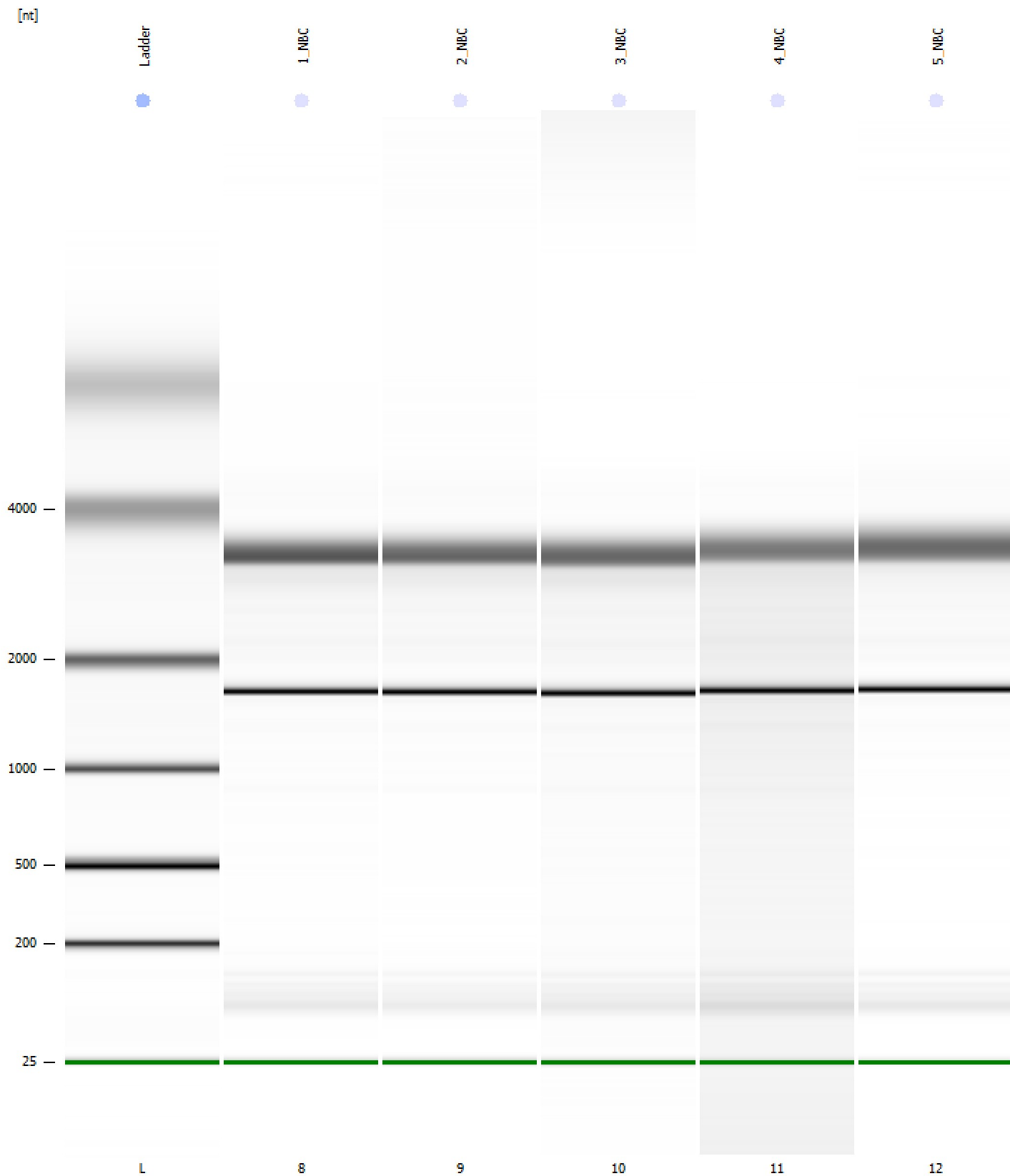
**Fragment table for sample 12 : 5\_NBC**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	1,908	107.2	21.1
28S	2,835	4,080	244.7	48.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
Modified: 8/5/2020 12:48:55 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: Z:\XADs\2020-08-05\QC0619\_1.xad

Created: 8/5/2020 12:19:51 PM  
 Modified: 8/5/2020 12:48:55 PM

### Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		8/5/2020 12:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-05\Bioanalyze_r1_Eukaryote Total RNA Nano_2020-08-05_001.xad)		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/5/2020 12:19:57 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB