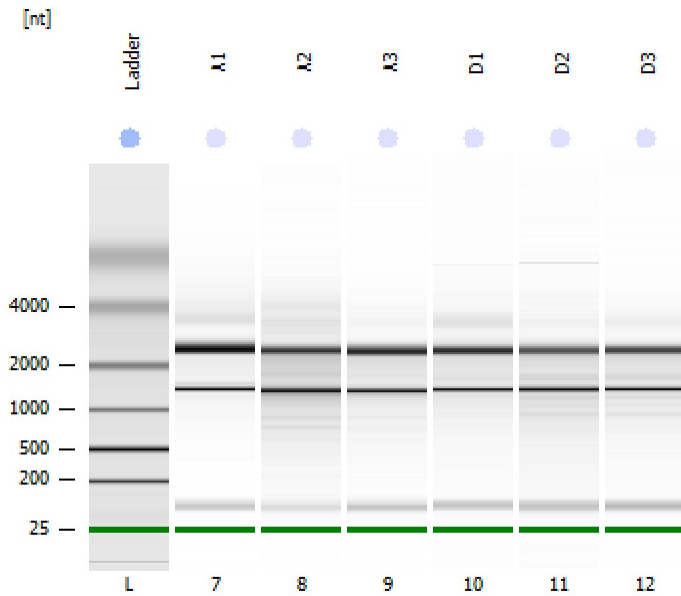


Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

Electrophoresis File Run Summary



Instrument Information:

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

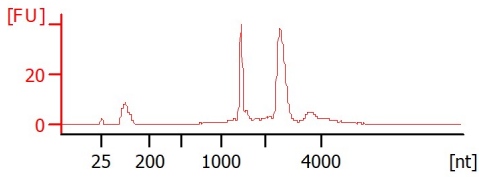
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Prokaryote Total RNA Nano Series II.xsy  
Assay Class: Prokaryote Total RNA Nano  
Version: 2.5  
Assay Comments: Total RNA Analysis ng sensitivity (Prokaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

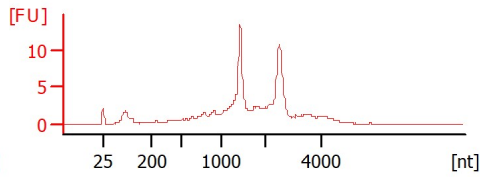
Chip Information:

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

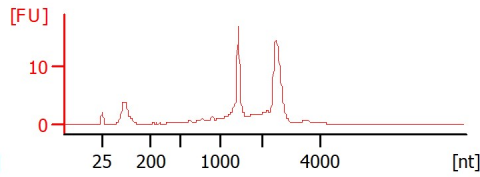
**A1**  
QC1968-1  
RIN: 9.40



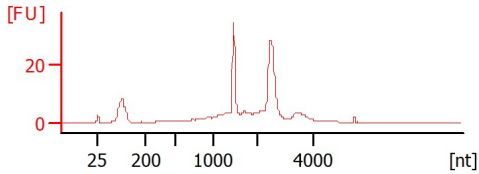
**A2**  
QC1968-2  
RIN: 7.70



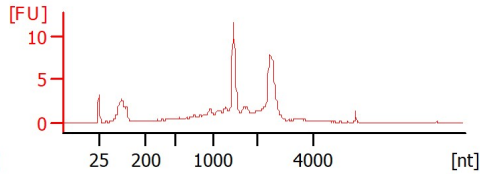
**A3**  
QC1968-3  
RIN: 8.90



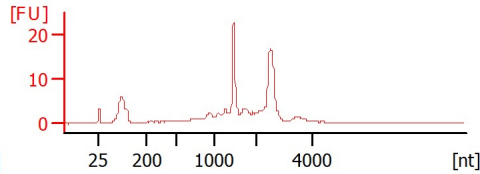
**D1**  
QC1968-4  
RIN: 9



**D2**  
QC1968-5  
RIN: 7.40



**D3**  
QC1968-6  
RIN: 7.80



Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
 Modified: 9/11/2024 3:39:13 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
A1	QC1968-1	✓	RIN: 9.40	
A2	QC1968-2	✓	RIN: 7.70	
A3	QC1968-3	✓	RIN: 8.90	
D1	QC1968-4	✓	RIN:9	
D2	QC1968-5	✓	RIN: 7.40	
D3	QC1968-6	✓	RIN: 7.80	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 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

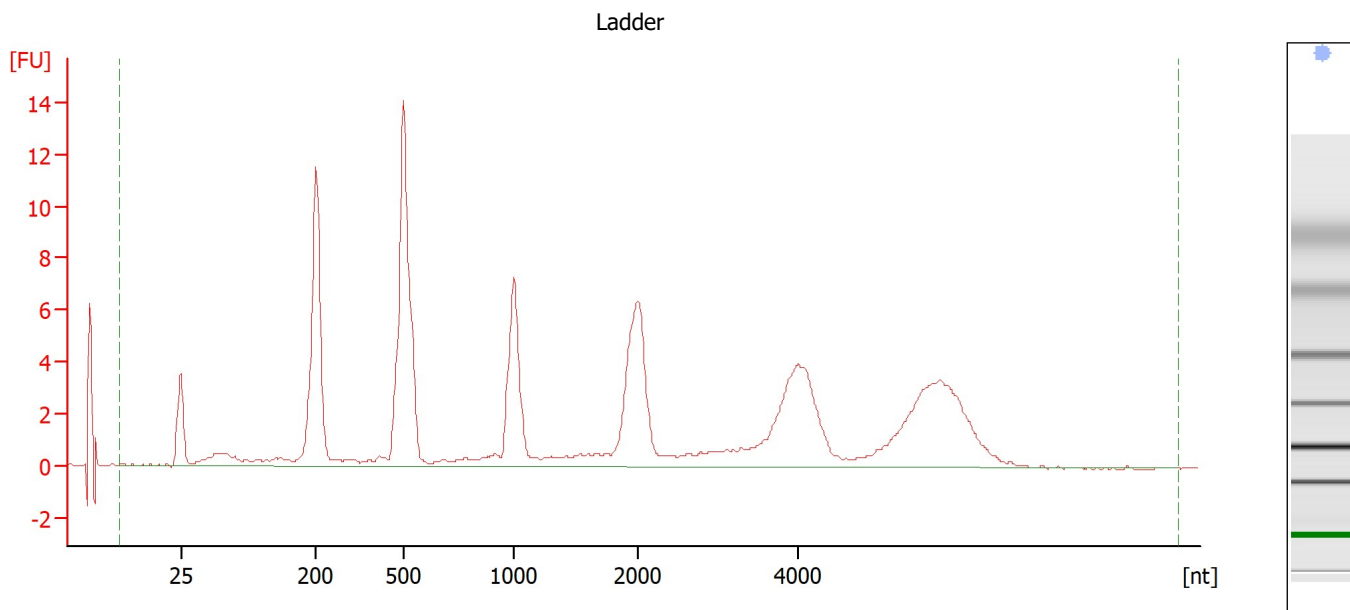
### Ladder

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

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary**



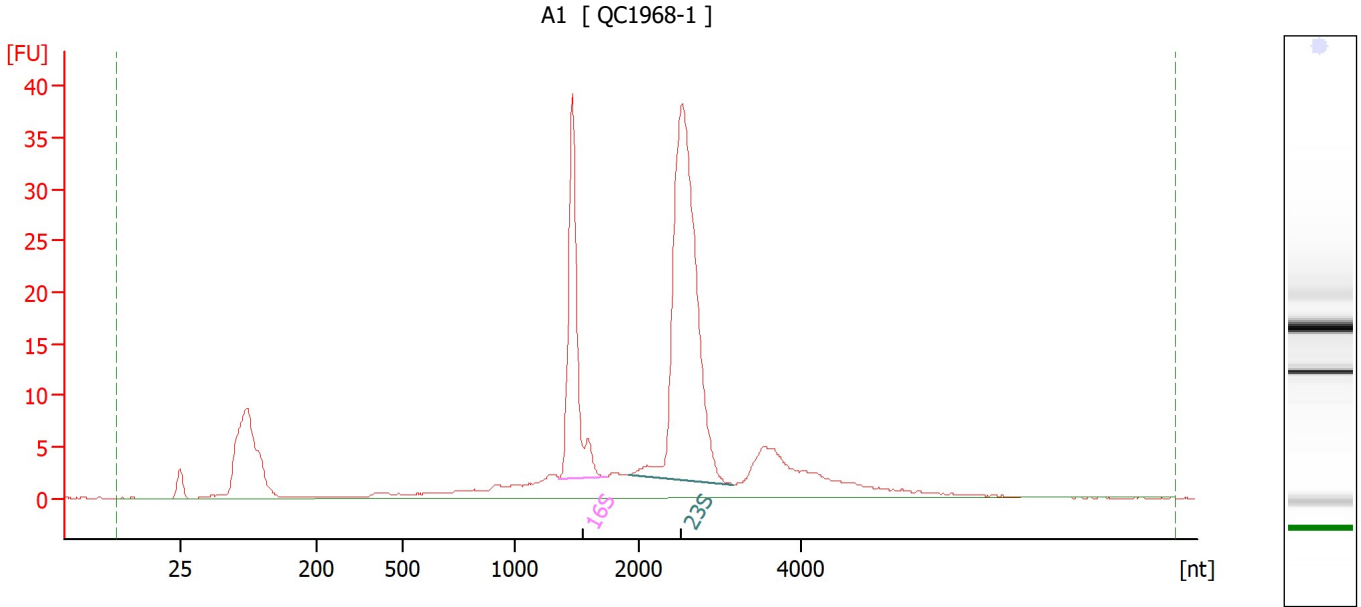
**Overall Results for Ladder**

RNA Area:	125.6	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: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : A1**

RNA Area:	281.1	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	336 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [23s / 16s]:	2.3	Result Flagging Label:	RIN: 9.40

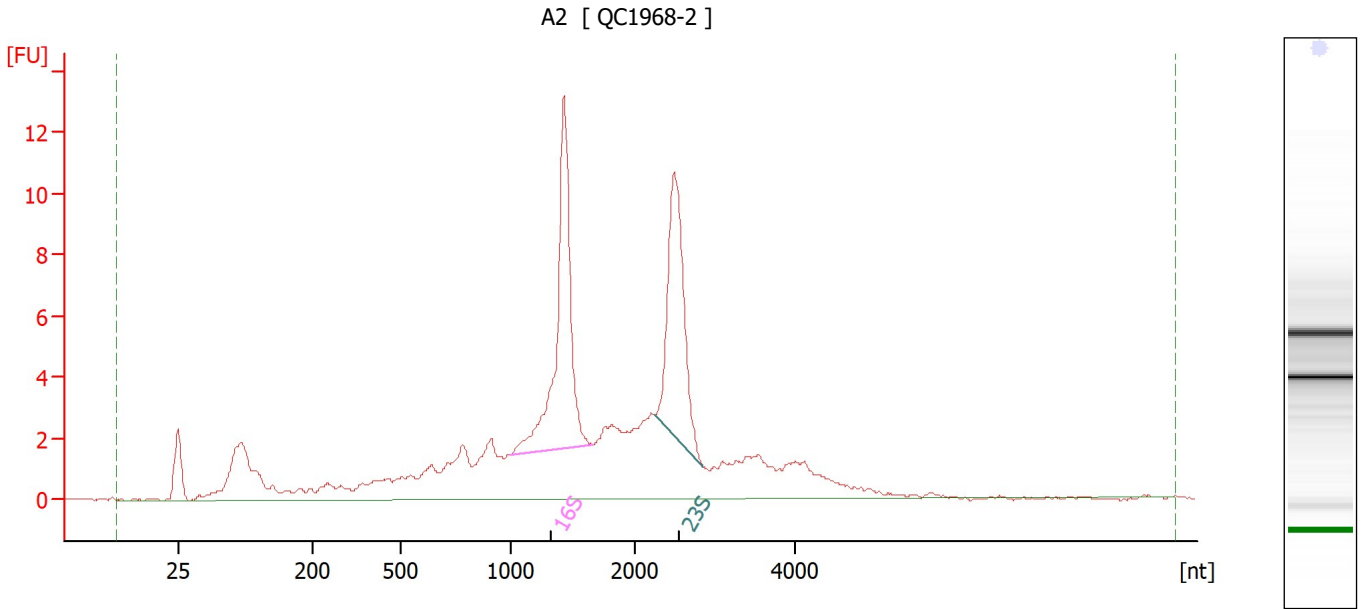
**Fragment table for sample 7 : A1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,357	1,743	43.3	15.4
23S	1,914	3,169	99.2	35.3

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : A2**

RNA Area: 127.8                      RNA Integrity Number (RIN): 7.7 (B.02.10)  
RNA Concentration: 153 ng/μl              Result Flagging Color:   
rRNA Ratio [23s / 16s]: 0.8              Result Flagging Label: RIN: 7.70

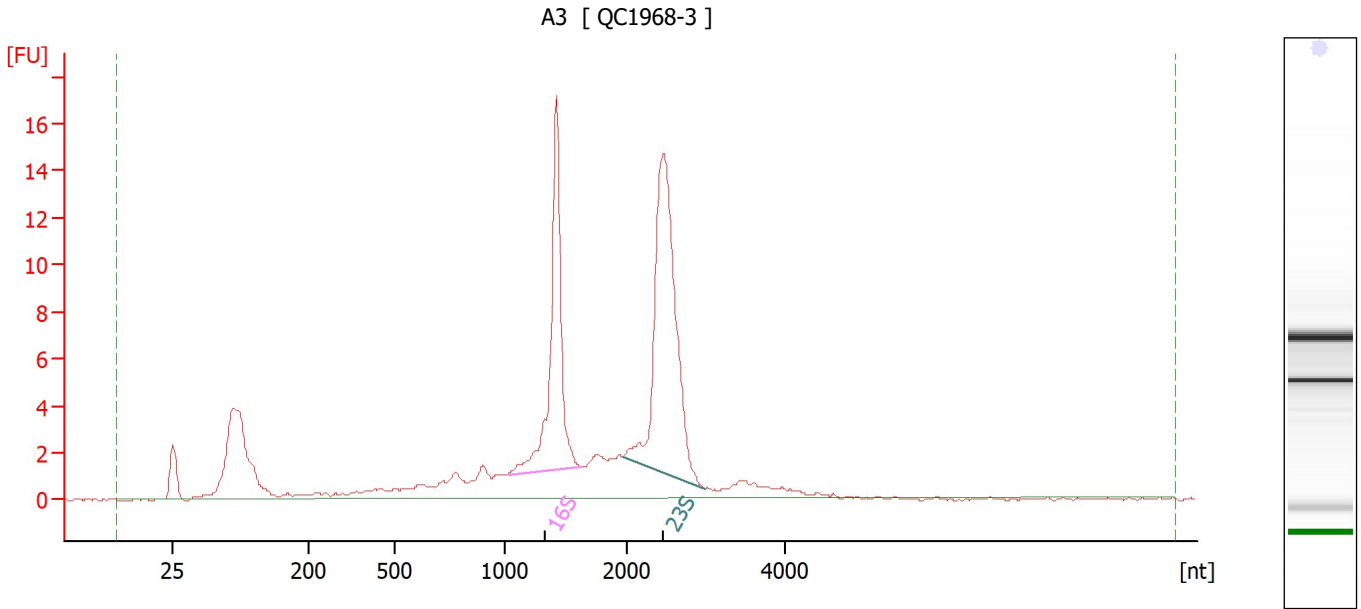
**Fragment table for sample 8 : A2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,000	1,655	20.6	16.1
23S	2,253	2,853	16.4	12.9

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : A3**

RNA Area:	124.7	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	149 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [23s / 16s]:	1.5	Result Flagging Label:	RIN: 8.90

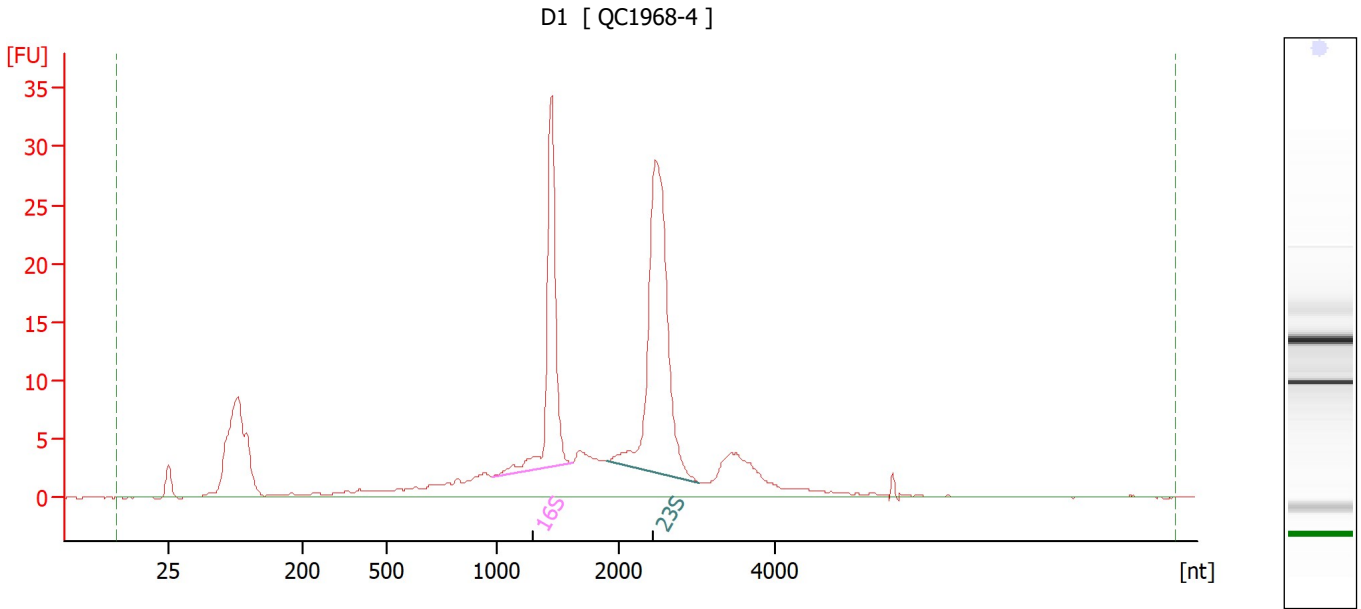
**Fragment table for sample 9 : A3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,032	1,633	22.4	17.9
23S	1,963	2,979	34.1	27.4

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
 Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : D1**

RNA Area:	242.2	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	289 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [23s / 16s]:	1.8	Result Flagging Label:	RIN:9

**Fragment table for sample 10 : D1**

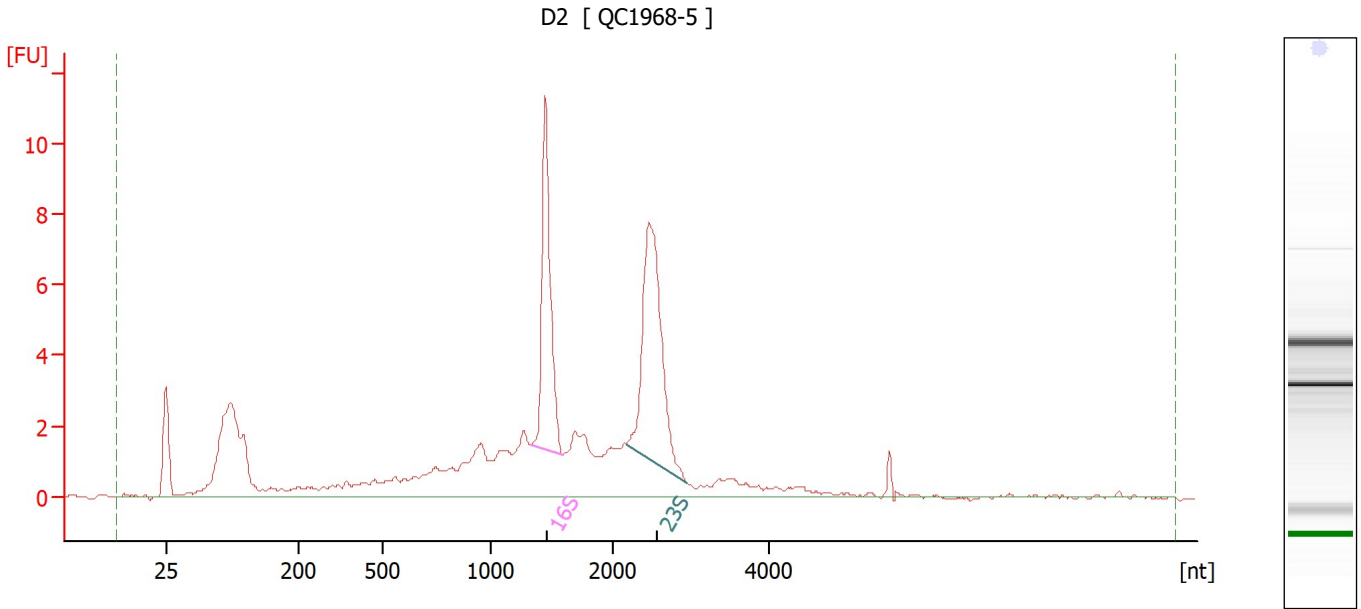
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	978	1,619	35.8	14.8
23S	1,909	3,027	62.6	25.9



Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : D2**

RNA Area:	92.3	RNA Integrity Number (RIN):	7.4 (B.02.10)
RNA Concentration:	110 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [23s / 16s]:	1.4	Result Flagging Label:	RIN: 7.40

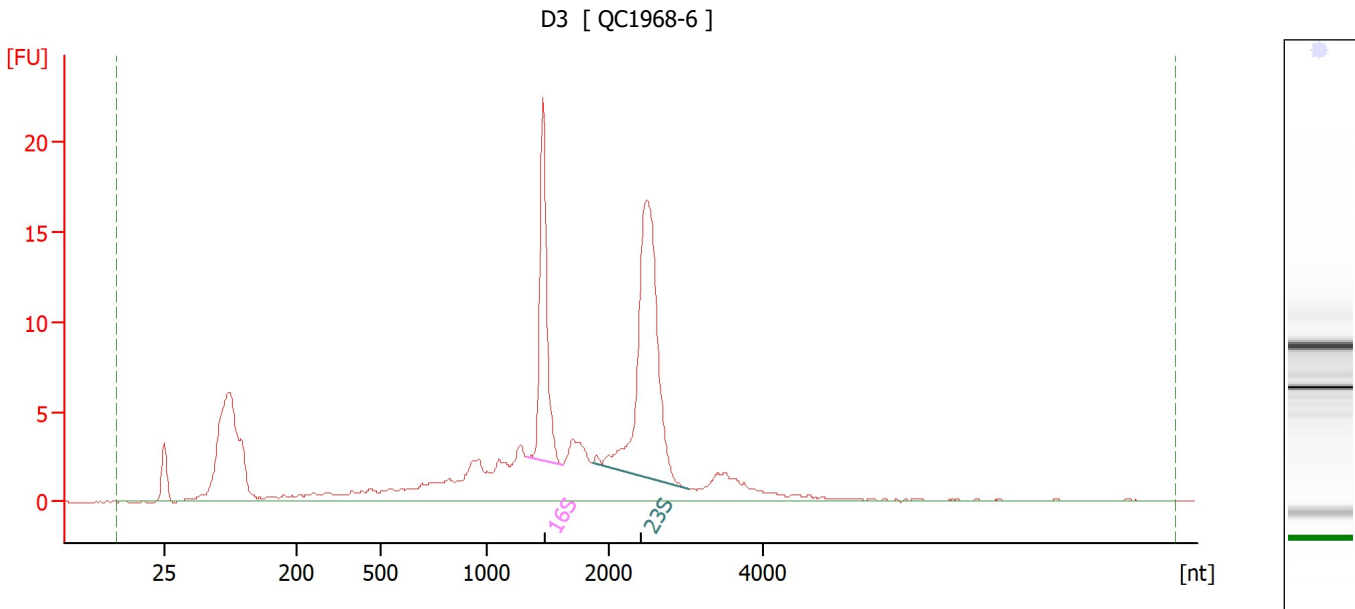
**Fragment table for sample 11 : D2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,324	1,589	11.5	12.5
23S	2,184	2,950	15.6	16.9

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : D3**

RNA Area:	163.7	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	195 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [23s / 16s]:	1.9	Result Flagging Label:	RIN: 7.80

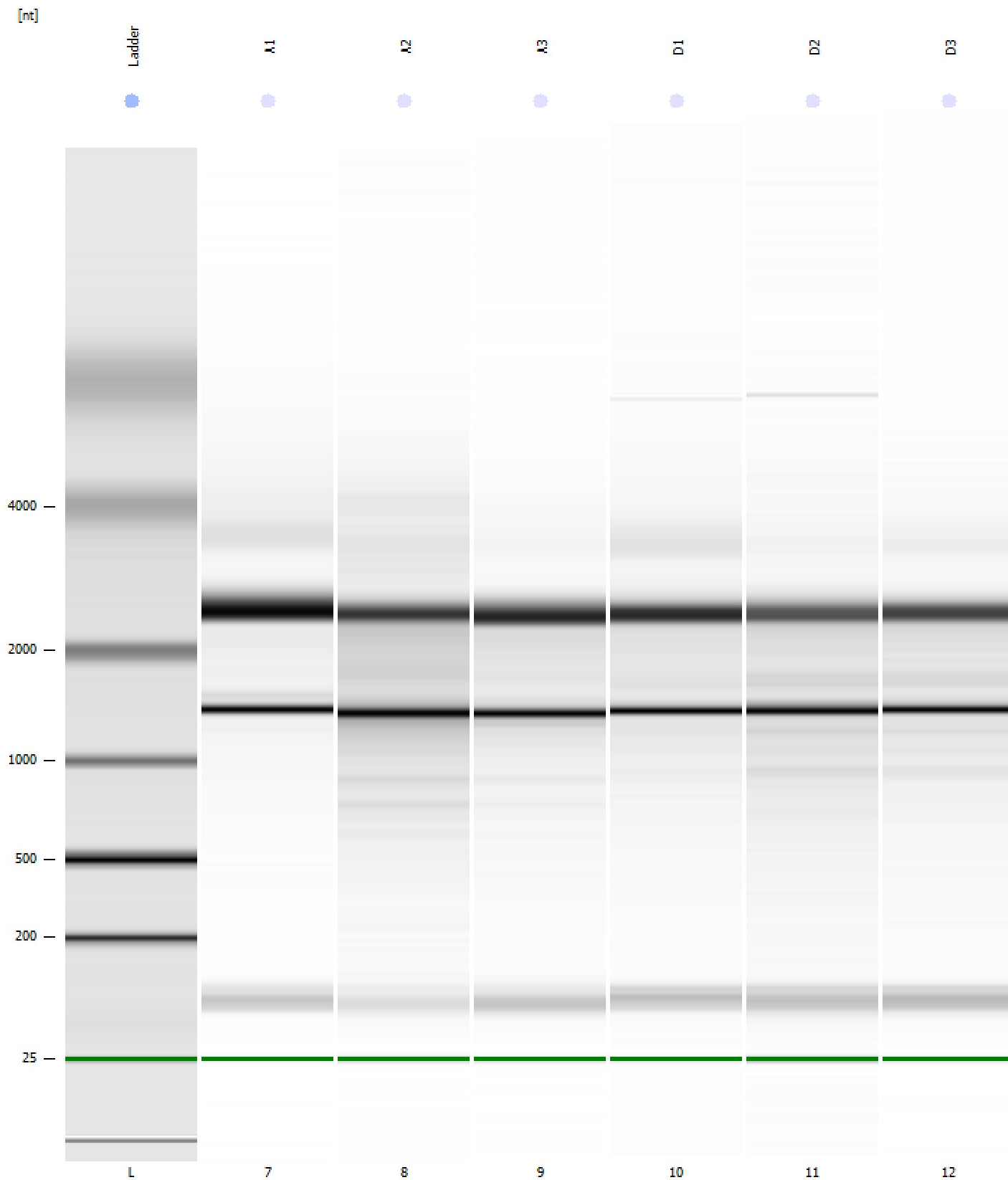
**Fragment table for sample 12 : D3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,329	1,622	20.1	12.3
23S	1,879	3,036	37.9	23.2

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
Modified: 9/11/2024 3:39:13 PM

**Gel Image**



Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...bioanalyzer\2100 expert\data\2024-09-11\QC1968\_RNA\_Nano.xad

Created: 9/11/2024 3:05:53 PM  
 Modified: 9/11/2024 3:39:13 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		9/11/2024 3:28:58 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\2024-09-11\Bioanalyzer1_Prokaryote Total RNA Nano_DE34903152_2024-09-11_002.xad)		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/11/2024 3:05:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB