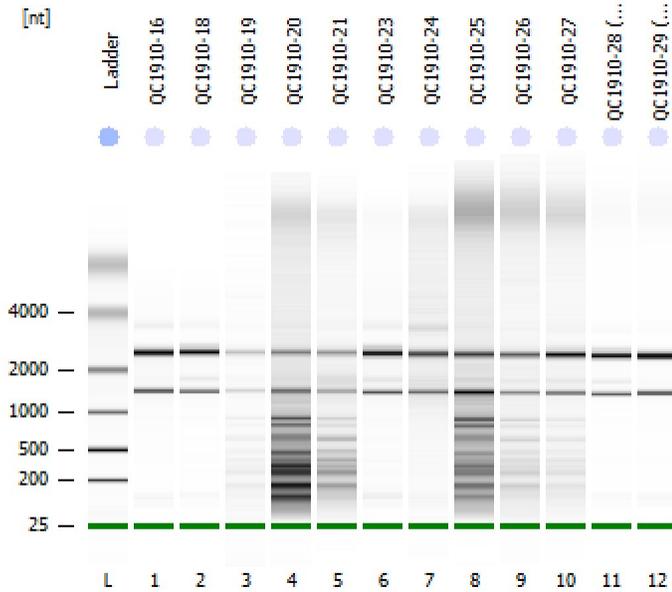


Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
Modified: 7/19/2024 4:48:47 PM

Electrophoresis File Run Summary



Instrument Information:

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

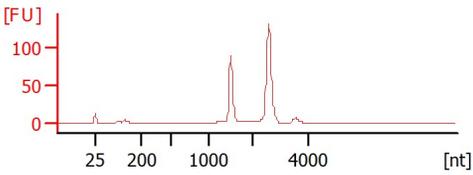
Assay Information:

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.

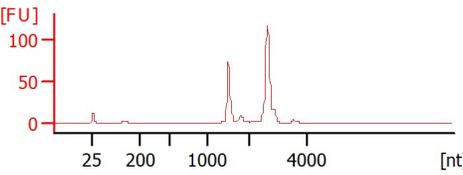
Chip Information:

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

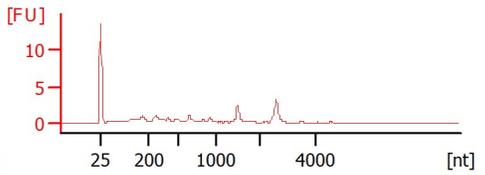
**QC1910-16**  
RIN: 9.90



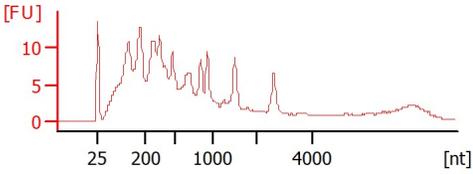
**QC1910-18**  
RIN: 10



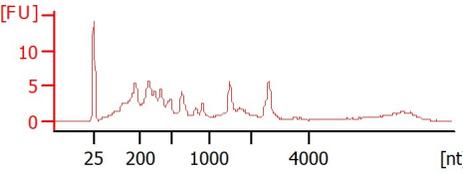
**QC1910-19**  
RIN: 7.60



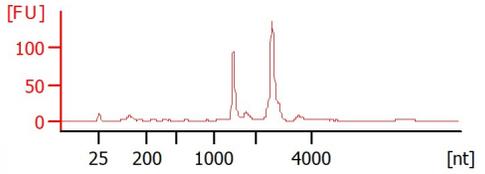
**QC1910-20**  
RIN: 3.70



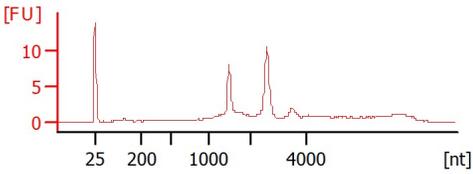
**QC1910-21**  
RIN: 6



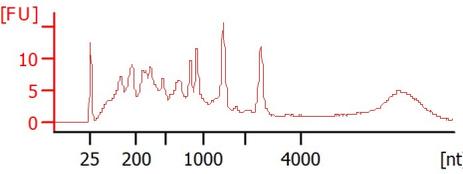
**QC1910-23**  
RIN: 9.30



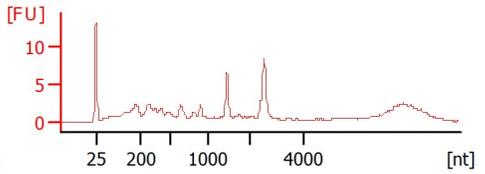
**QC1910-24**  
RIN: 8.20



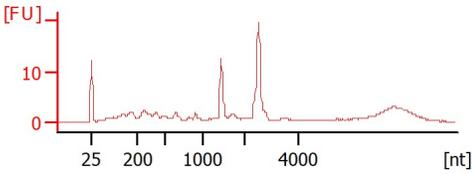
**QC1910-25**  
RIN: 5.90



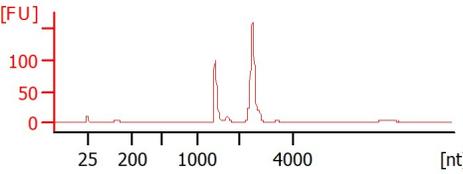
**QC1910-26**  
RIN: 7.20



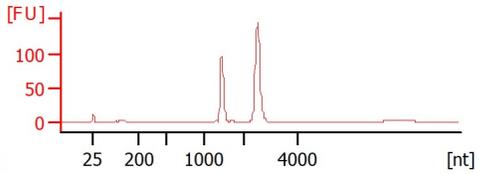
**QC1910-27**  
RIN: 8



**QC1910-28 (1:2)**  
RIN: 10



**QC1910-29 (1:4)**  
RIN: 10



Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1910-16		✓	RIN: 9.90	
QC1910-18		✓	RIN:10	
QC1910-19		✓	RIN: 7.60	
QC1910-20		✓	RIN: 3.70	
QC1910-21		✓	RIN:6	
QC1910-23		✓	RIN: 9.30	
QC1910-24		✓	RIN: 8.20	
QC1910-25		✓	RIN: 5.90	
QC1910-26		✓	RIN: 7.20	
QC1910-27		✓	RIN:8	
QC1910-28 (1:2)		✓	RIN:10	
QC1910-29 (1:4)		✓	RIN:10	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 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/μl] : 150  
 Lower Marker Concentration [ng/μl] : 0  
 Upper Marker Concentration [ng/μl] : 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

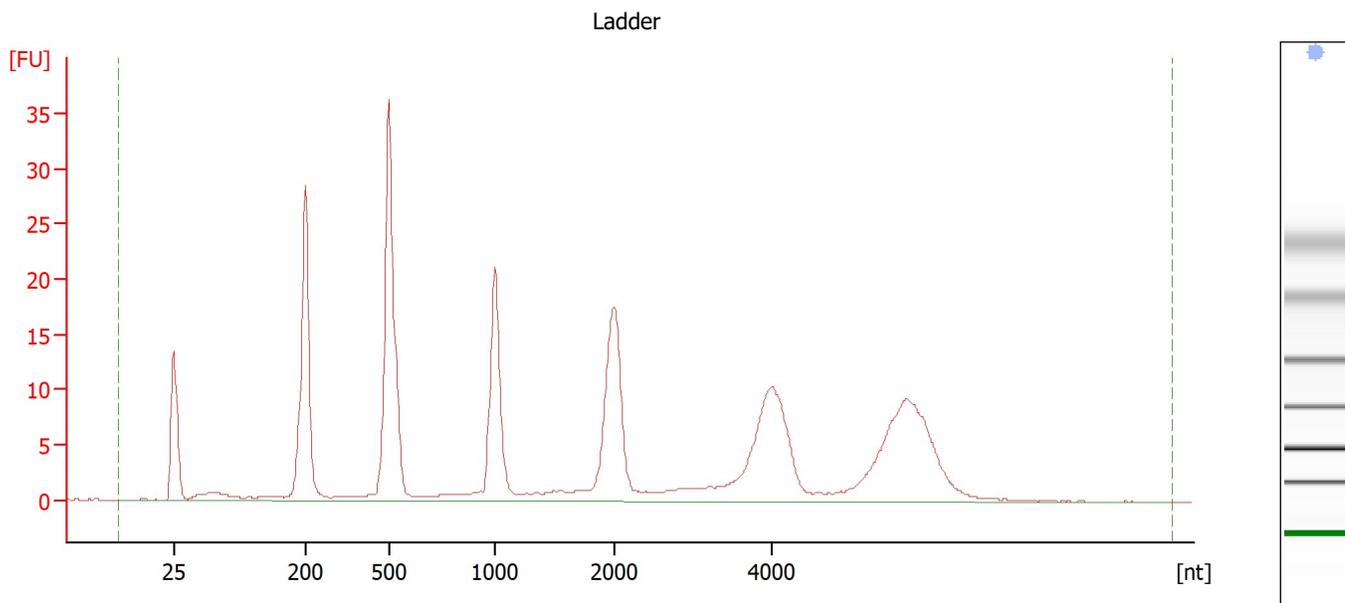
**Ladder**

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

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary**



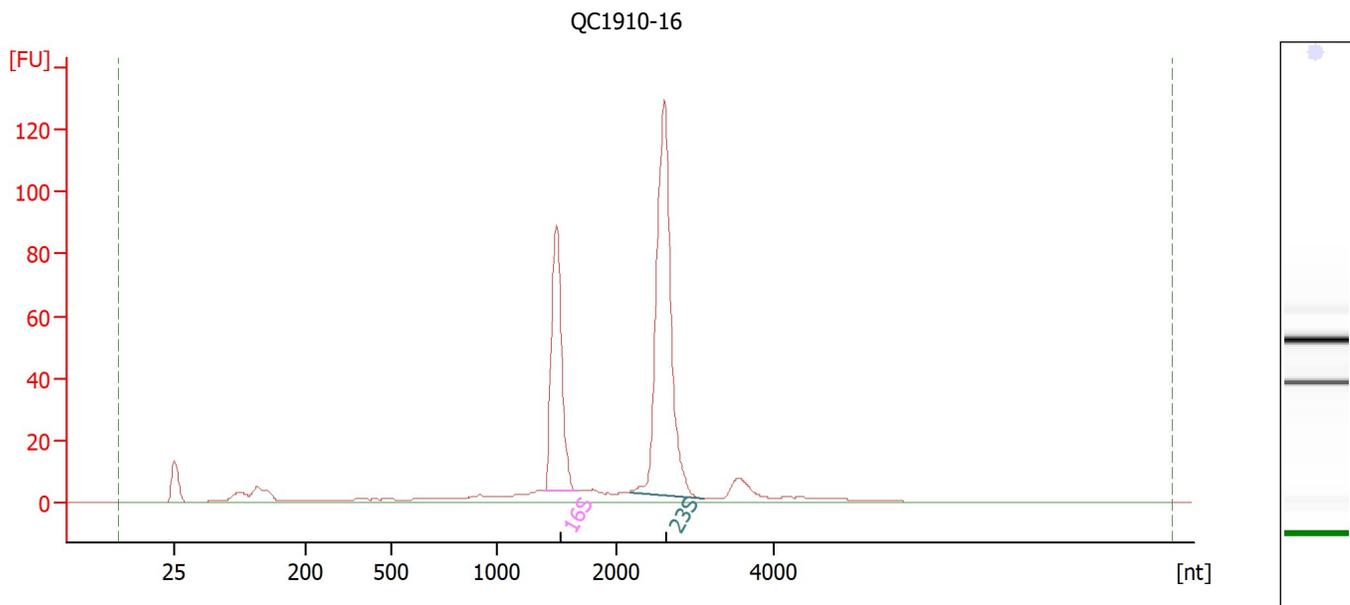
**Overall Results for Ladder**

RNA Area:	286.5	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:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : QC1910-16**

RNA Area:	520.1	RNA Integrity Number (RIN):	9.9 (B.02.10)
RNA Concentration:	272 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: 9.90

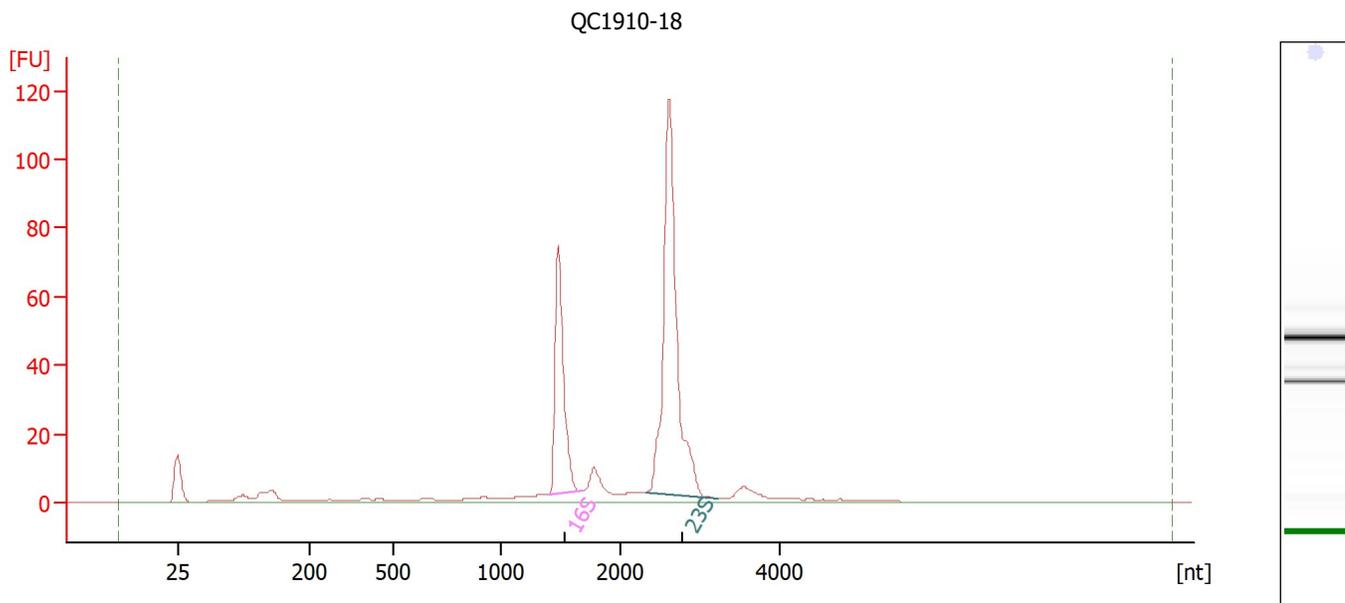
**Fragment table for sample 1 : QC1910-16**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,403	1,688	121.4	23.3
23S	2,162	3,119	219.8	42.3

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : QC1910-18**

RNA Area:	404.1	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	212 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]:	2.1	Result Flagging Label:	RIN:10

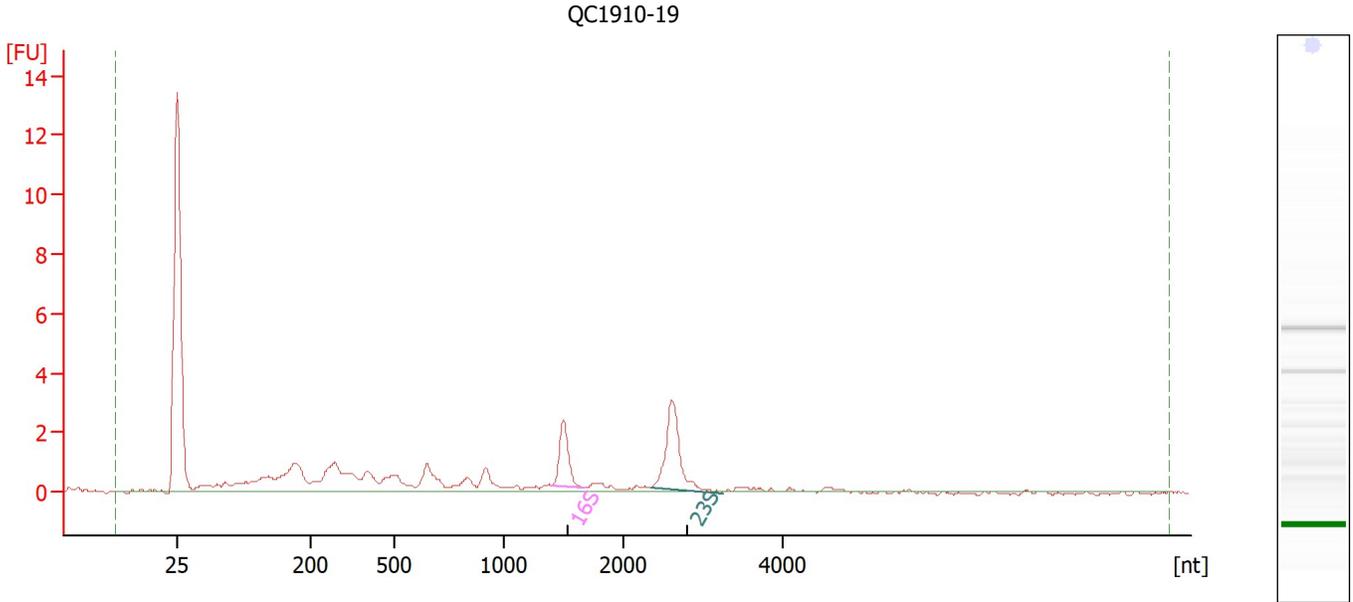
**Fragment table for sample 2 : QC1910-18**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,407	1,682	85.4	21.1
23S	2,311	3,223	182.3	45.1

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : QC1910-19**

RNA Area:	33.6	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	18 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: 7.60

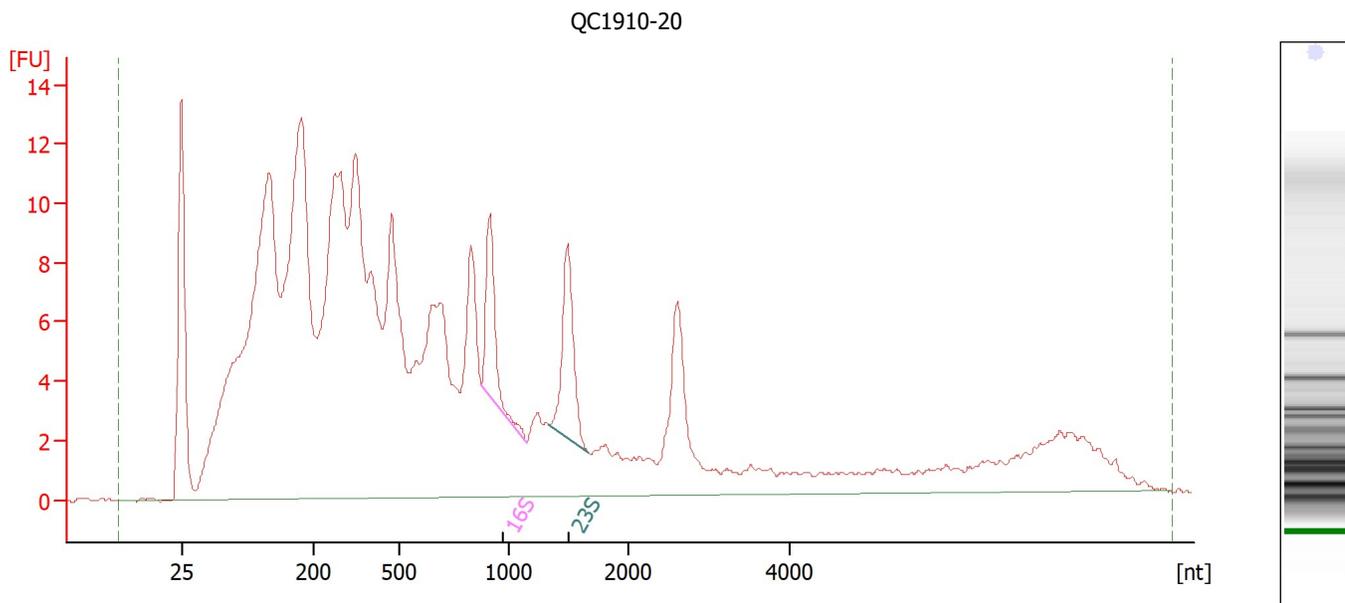
**Fragment table for sample 3 : QC1910-19**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,395	1,668	2.6	7.7
23S	2,338	3,231	5.0	14.8

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : QC1910-20**

RNA Area:	407.2	RNA Integrity Number (RIN):	3.7 (B.02.10)
RNA Concentration:	213 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]:	1.2	Result Flagging Label:	RIN: 3.70

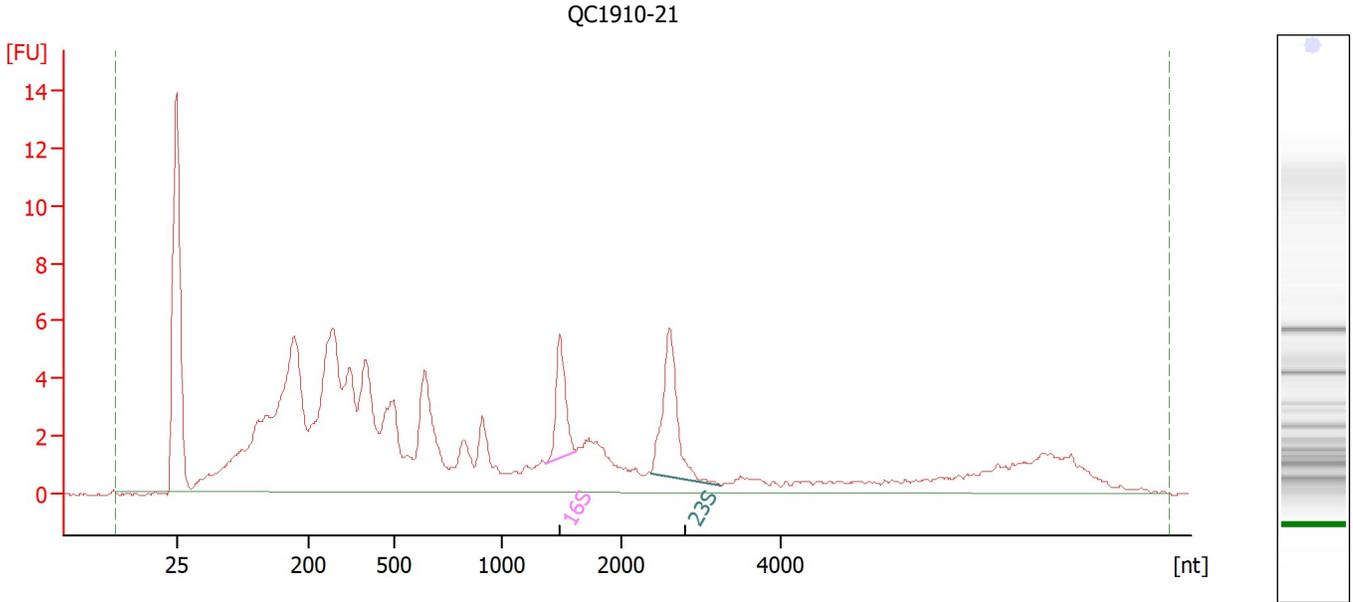
**Fragment table for sample 4 : QC1910-20**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	878	1,151	7.7	1.9
23S	1,344	1,661	9.6	2.3

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : QC1910-21**

RNA Area:	163.5	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	86 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]:	1.7	Result Flagging Label:	RIN:6

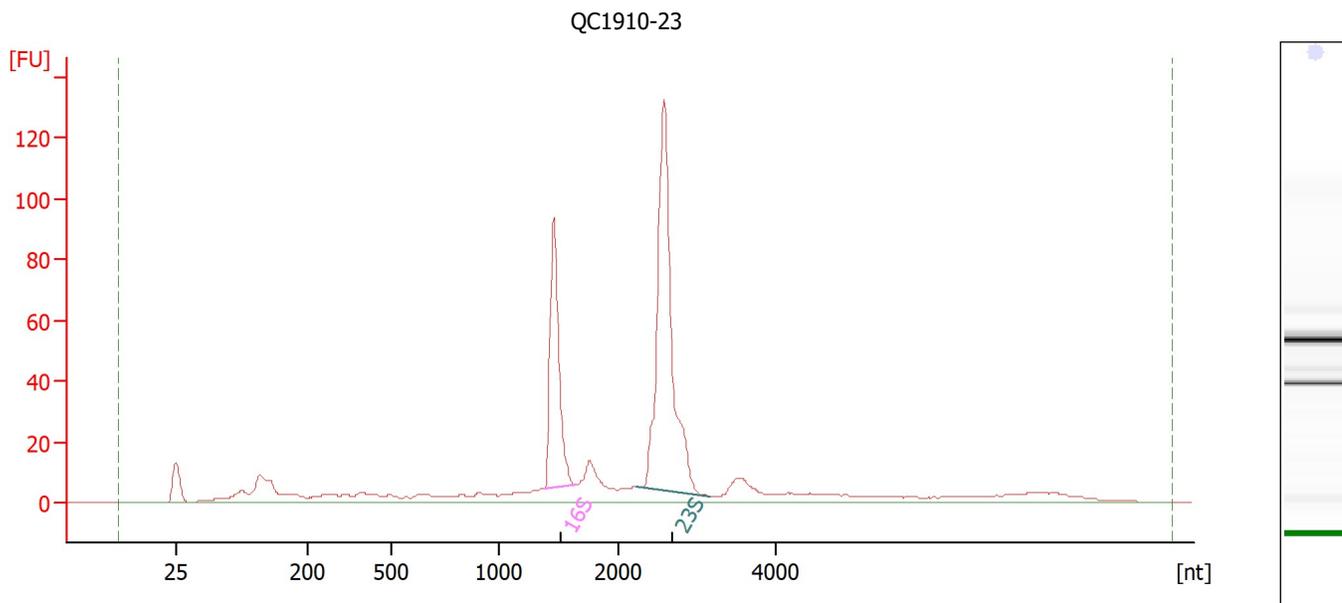
**Fragment table for sample 5 : QC1910-21**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,375	1,623	5.3	3.2
23S	2,365	3,246	8.7	5.3

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : QC1910-23**

RNA Area:	634.4	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	332 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]:	2.1	Result Flagging Label:	RIN: 9.30

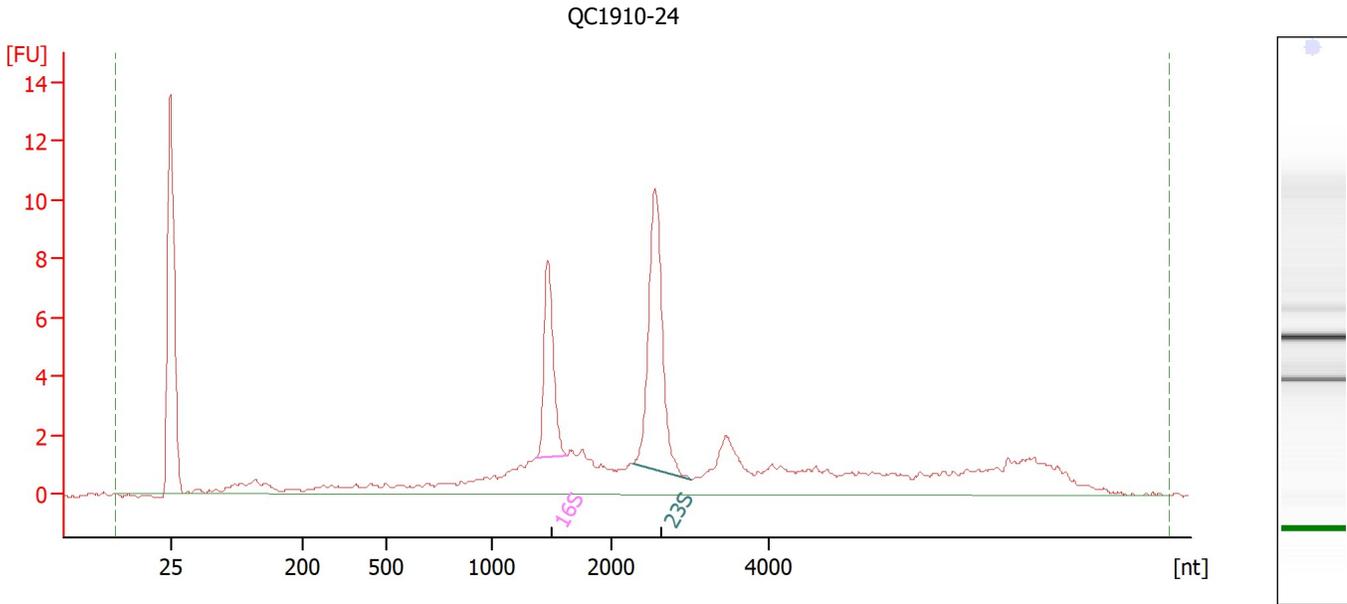
**Fragment table for sample 6 : QC1910-23**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,378	1,645	104.6	16.5
23S	2,216	3,145	219.4	34.6

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : QC1910-24**

RNA Area:	84.8	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	44 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: 8.20

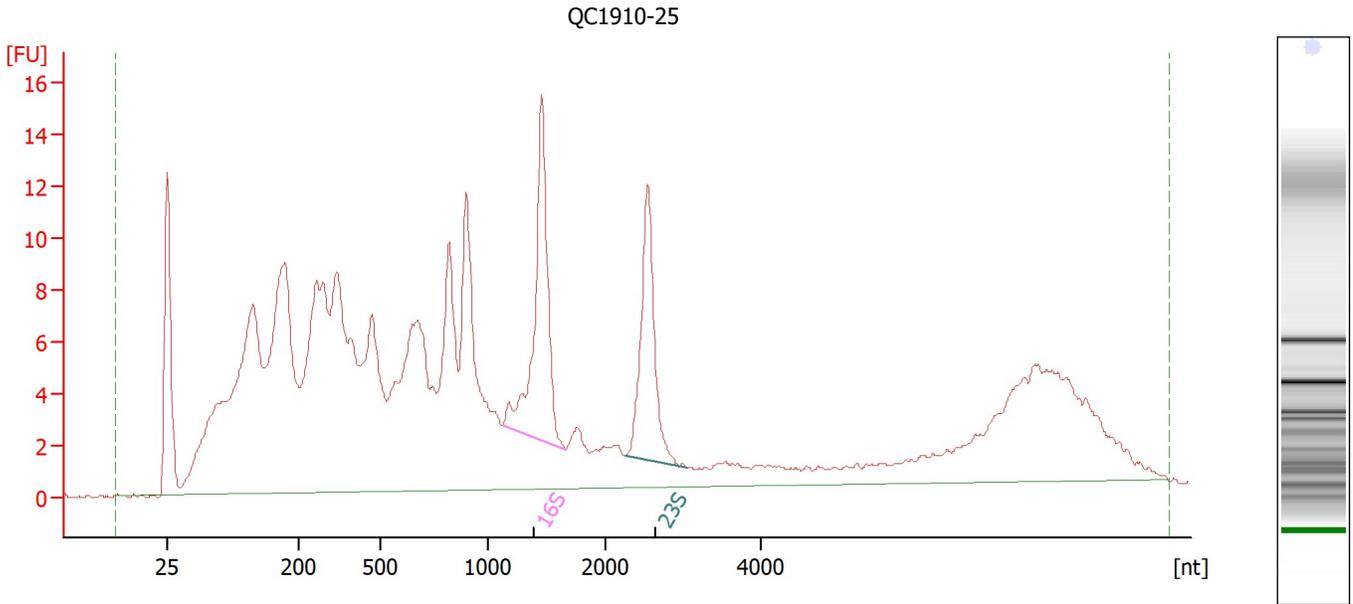
**Fragment table for sample 7 : QC1910-24**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,366	1,625	8.3	9.7
23S	2,270	3,013	16.0	18.9

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : QC1910-25**

RNA Area:	393.0	RNA Integrity Number (RIN):	5.9 (B.02.10)
RNA Concentration:	206 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]:	0.7	Result Flagging Label:	RIN: 5.90

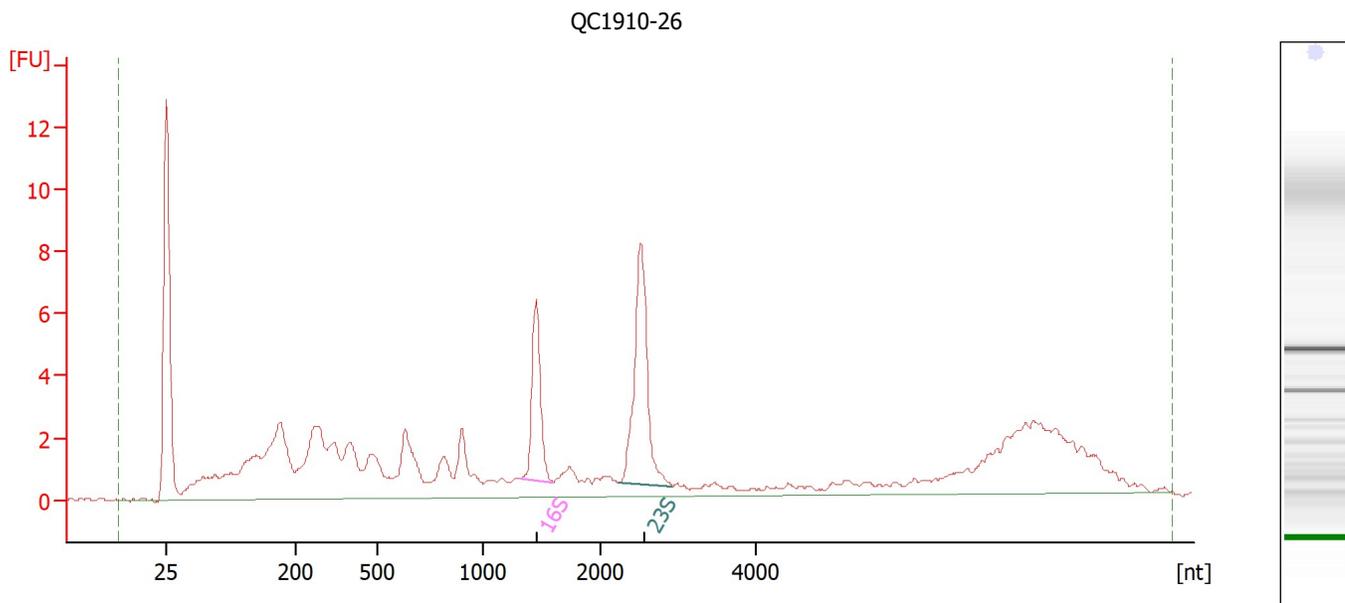
**Fragment table for sample 8 : QC1910-25**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,135	1,656	23.6	6.0
23S	2,255	3,045	17.5	4.4

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : QC1910-26**

RNA Area:	112.7	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	59 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: 7.20

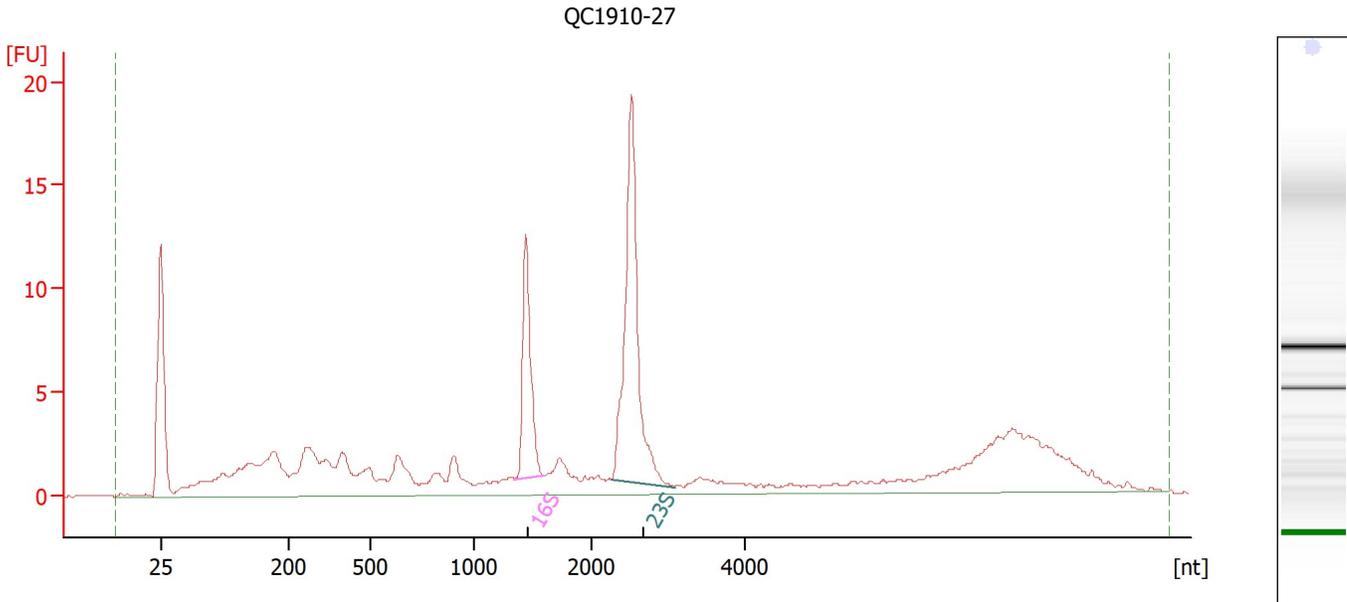
**Fragment table for sample 9 : QC1910-26**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,324	1,596	6.7	5.9
23S	2,241	2,941	12.3	10.9

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : QC1910-27**

RNA Area:	154.1	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	81 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]:	2.2	Result Flagging Label:	RIN:8

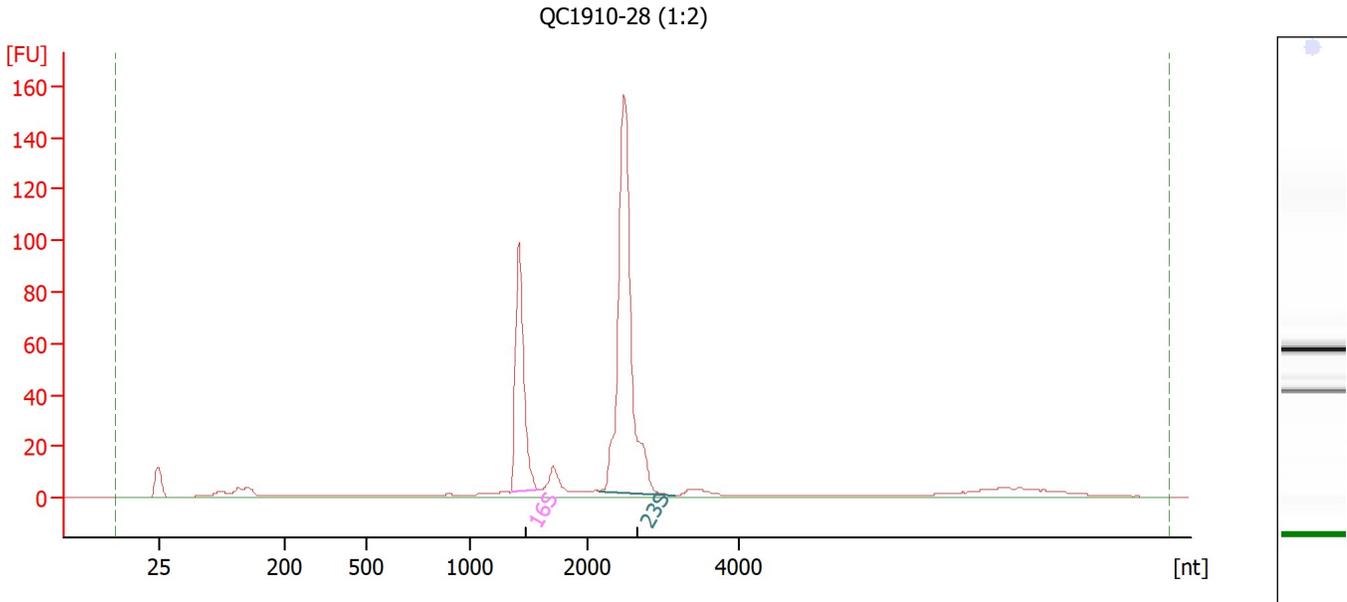
**Fragment table for sample 10 : QC1910-27**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,345	1,592	13.2	8.6
23S	2,267	3,083	29.0	18.8

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : QC1910-28 (1:2)**

RNA Area:	520.2	RNA Integrity Number (RIN):	10 (B.02.10)
RNA Concentration:	272 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]:	2.2	Result Flagging Label:	RIN:10

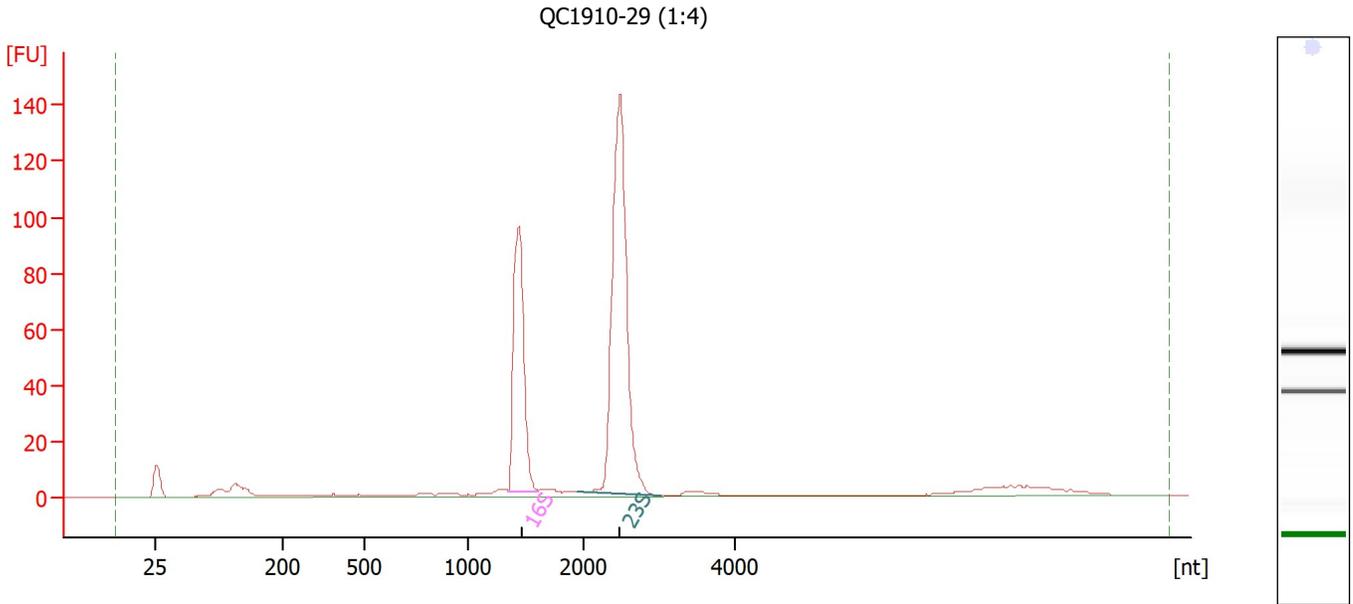
**Fragment table for sample 11 : QC1910-28 (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,350	1,589	111.9	21.5
23S	2,170	3,142	242.7	46.7

Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : QC1910-29 (1:4)**

RNA Area: 522.8                      RNA Integrity Number (RIN): 10 (B.02.10)  
 RNA Concentration: 274 ng/μl              Result Flagging Color:   
 rRNA Ratio [23s / 16s]: 1.9              Result Flagging Label: RIN:10

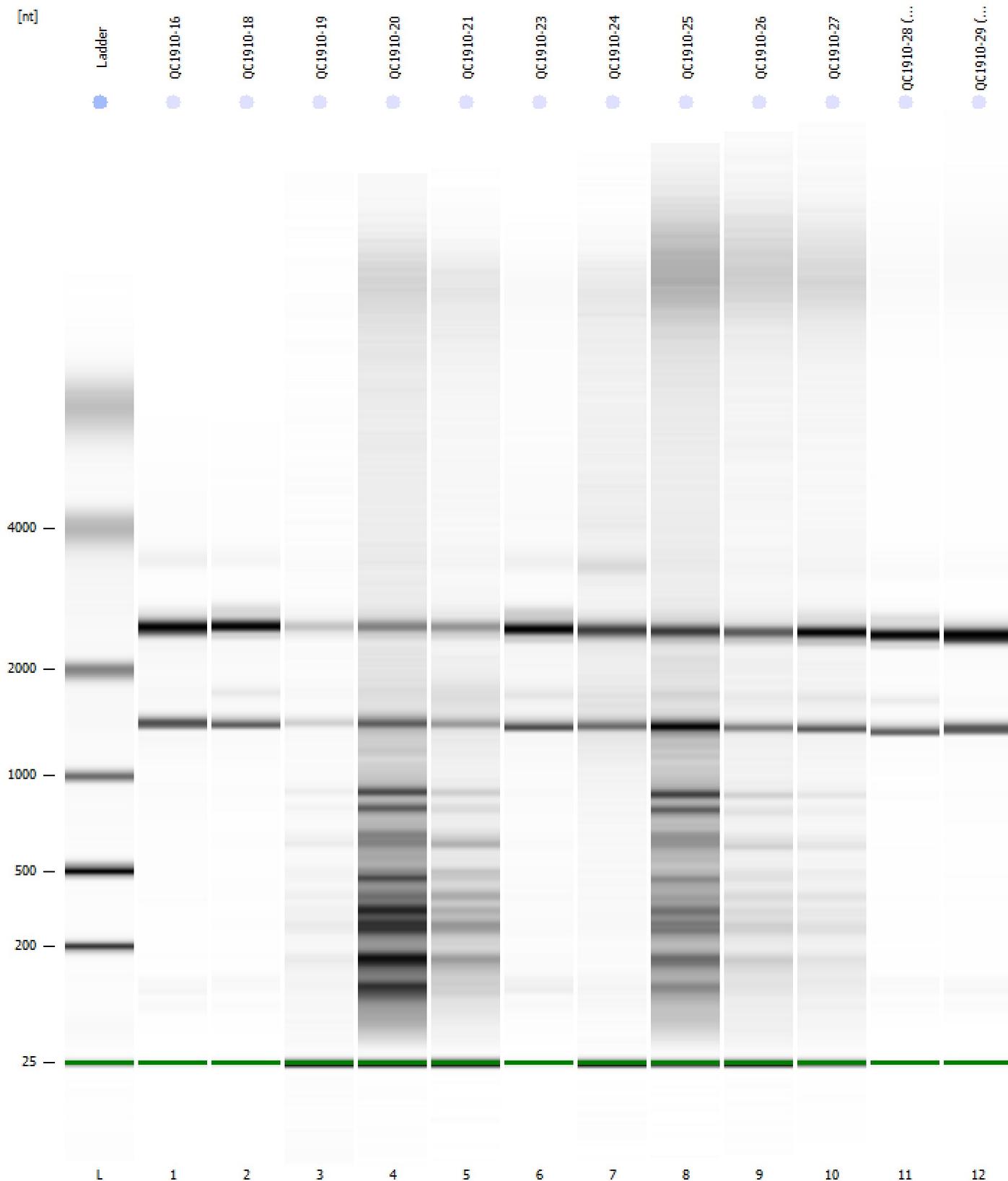
**Fragment table for sample 12 : QC1910-29 (1:4)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,355	1,613	137.1	26.2
23S	1,964	3,020	256.4	49.0

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
Modified: 7/19/2024 4:48:47 PM

Gel Image



Assay Class: Prokaryote Total RNA Nano  
 Data Path: C:\...er1\_Prokaryote Total RNA Nano\_DE34903152\_2024-07-19\_001.xad

Created: 7/19/2024 3:43:37 PM  
 Modified: 7/19/2024 4:48:47 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		7/19/2024 4:07:25 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\2024-07-19\Bioanalyzer1_Prokaryote Total RNA Nano_DE34903152_2024-07-19_001.xad)		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/19/2024 3:43:44 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB