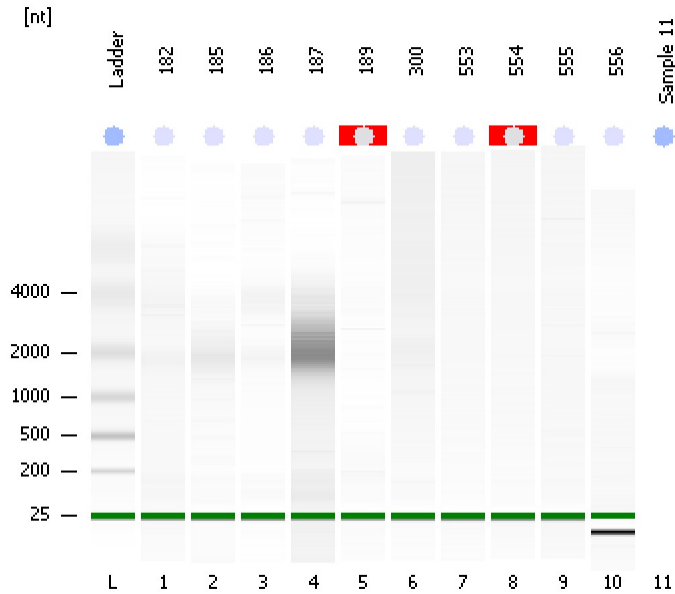


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electrophoresis File Run Summary



Instrument Information:

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

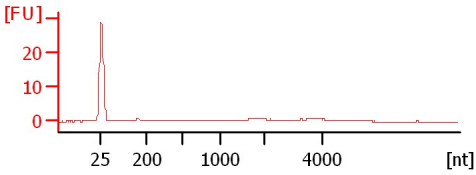
Assay Information:

Assay Origin Path: C:\Program Files\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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

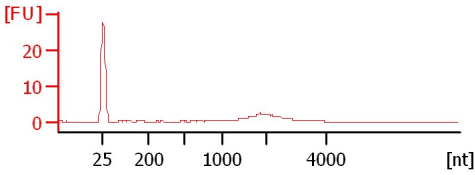
Chip Information:

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

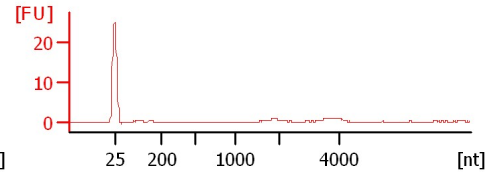
QC419 RIN:1 **182**



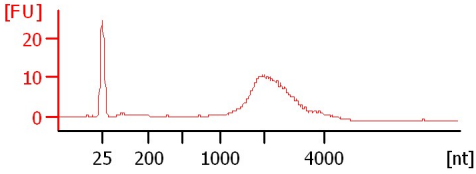
QC419 RIN: 1.80 **185**



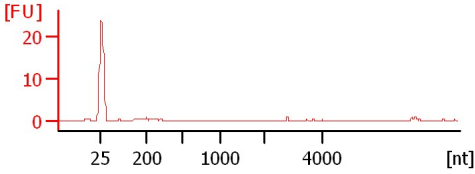
QC419 RIN: 1.10 **186**



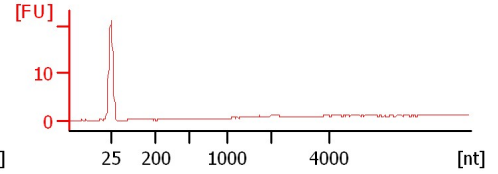
QC419 RIN: 2.90 **187**



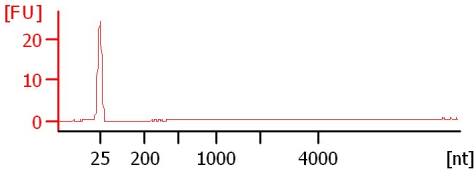
QC419 RIN N/A **189**



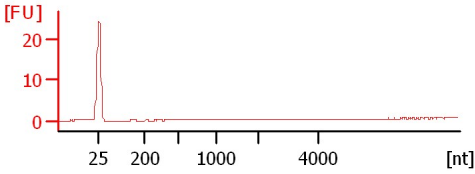
QC419 RIN: 7.20 **300**



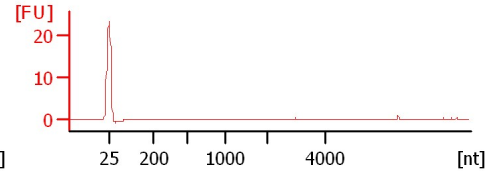
QC419 RIN:1 **553**



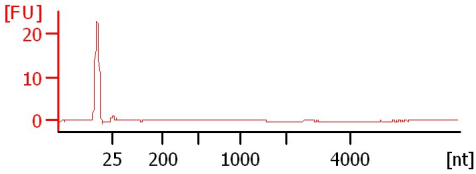
QC419 RIN N/A **554**



QC419 RIN: 1.20 **555**



QC419 RIN: 2.30 **556**



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
 Modified: 4/19/2019 1:08:44 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
182	QC419	✓	RIN:1	
185	QC419	✓	RIN: 1.80	
186	QC419	✓	RIN: 1.10	
187	QC419	✓	RIN: 2.90	
189	QC419	✓	RIN N/A	
300	QC419	✓	RIN: 7.20	
553	QC419	✓	RIN:1	
554	QC419	✓	RIN N/A	
555	QC419	✓	RIN: 1.20	
556	QC419	✓	RIN: 2.30	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ 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

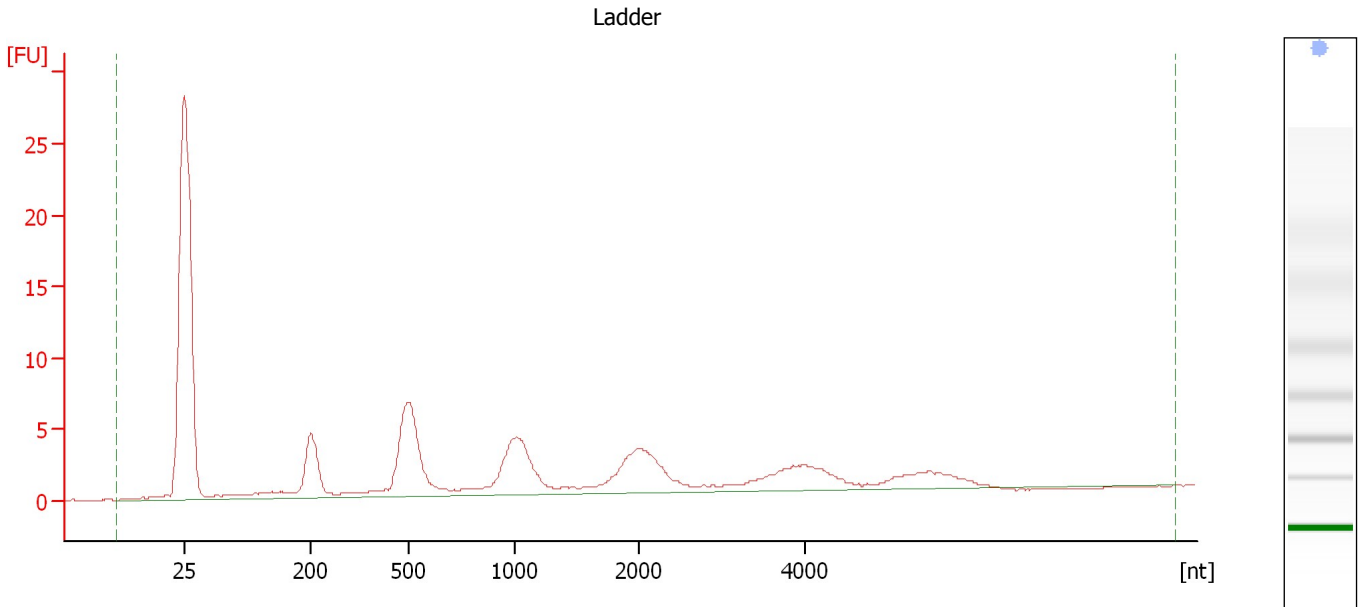
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary



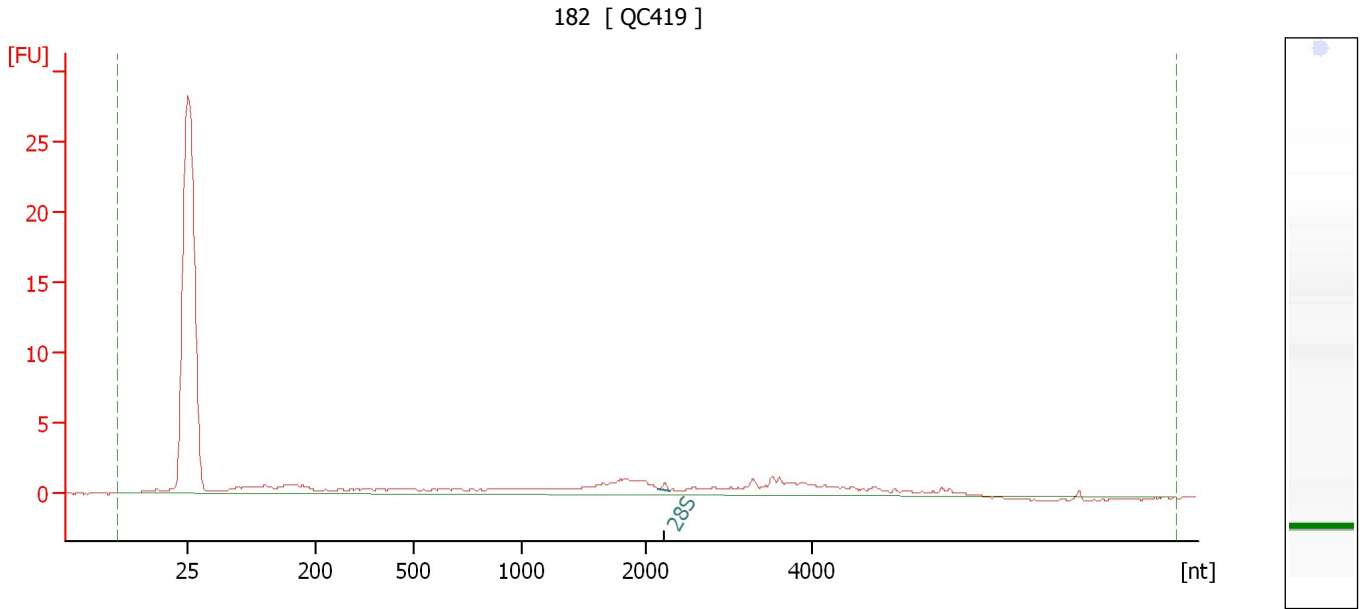
Overall Results for Ladder

RNA Area:	105.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 182

RNA Area:	44.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	417 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

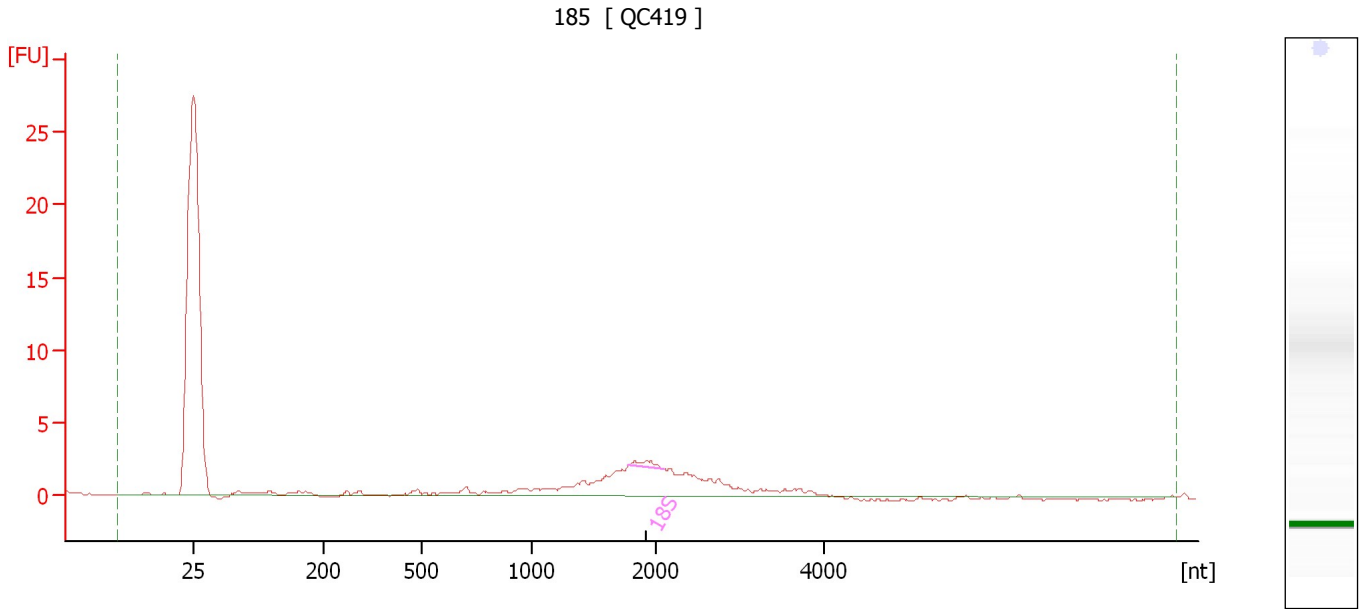
Fragment table for sample 1 : 182

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,156	2,284	0.2	0.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 185

RNA Area:	34.6	RNA Integrity Number (RIN):	1.8 (B.02.08)
RNA Concentration:	328 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

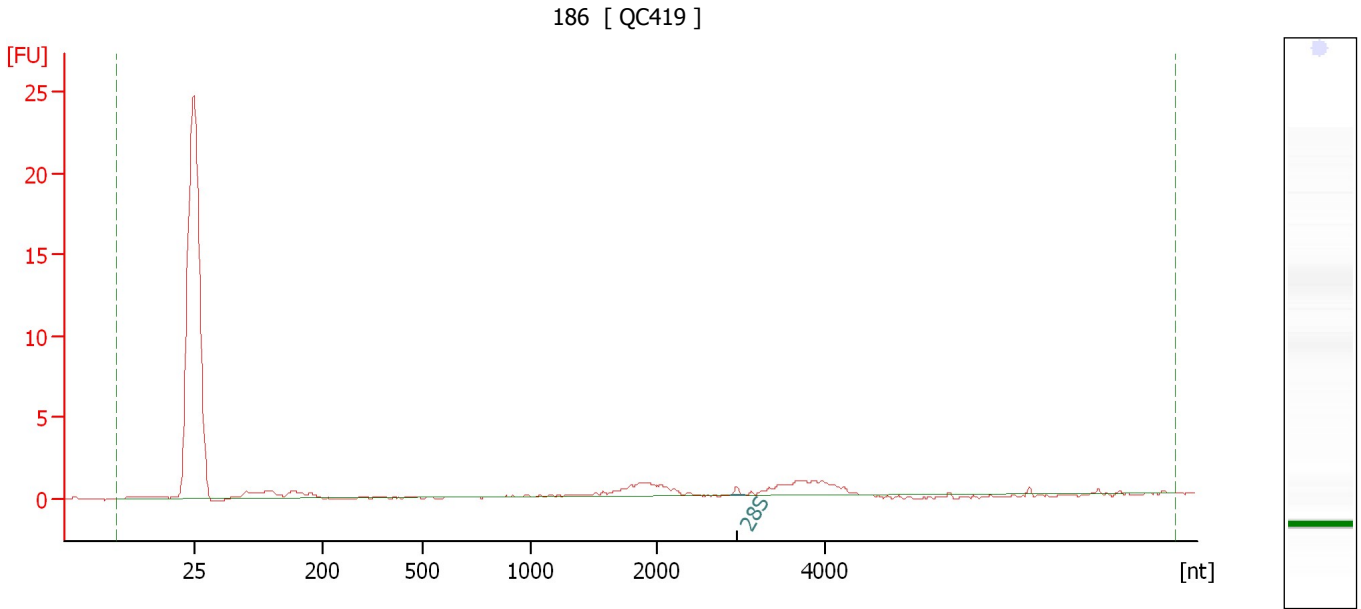
Fragment table for sample 2 : 185

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,782	2,095	0.9	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 186

RNA Area:	15.6	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	148 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

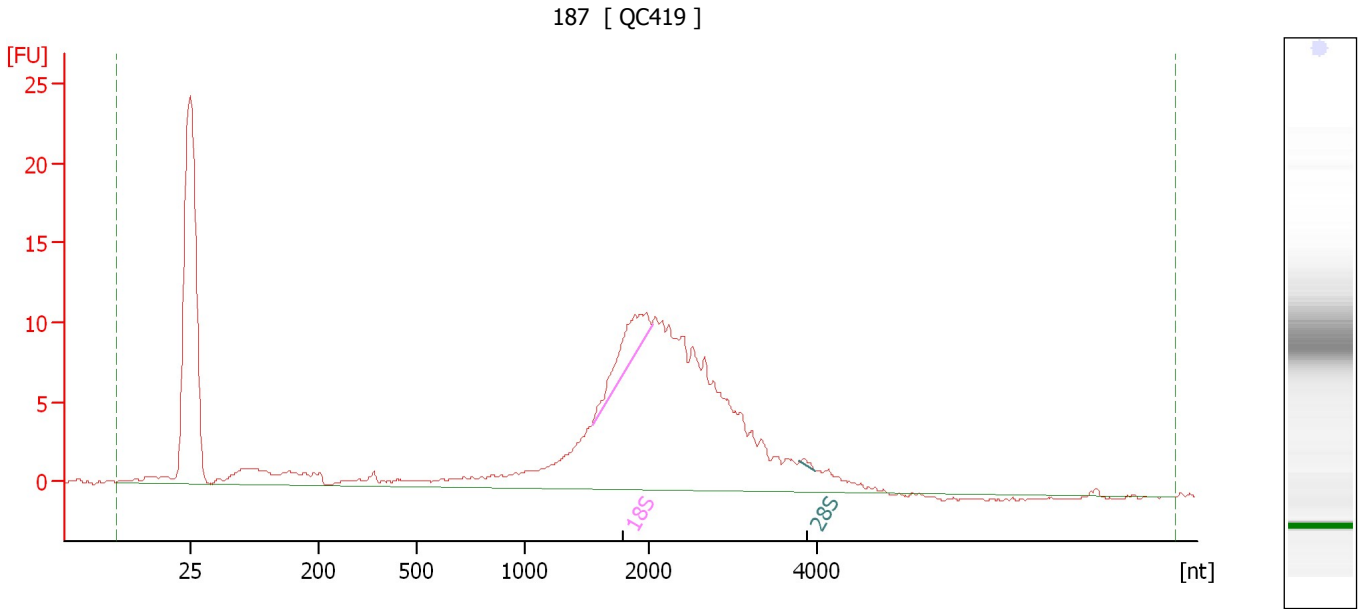
Fragment table for sample 3 : 186

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,880	3,044	0.3	1.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 187

RNA Area: 195.4 RNA Integrity Number (RIN): 2.9 (B.02.08)
RNA Concentration: 1,850 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.90

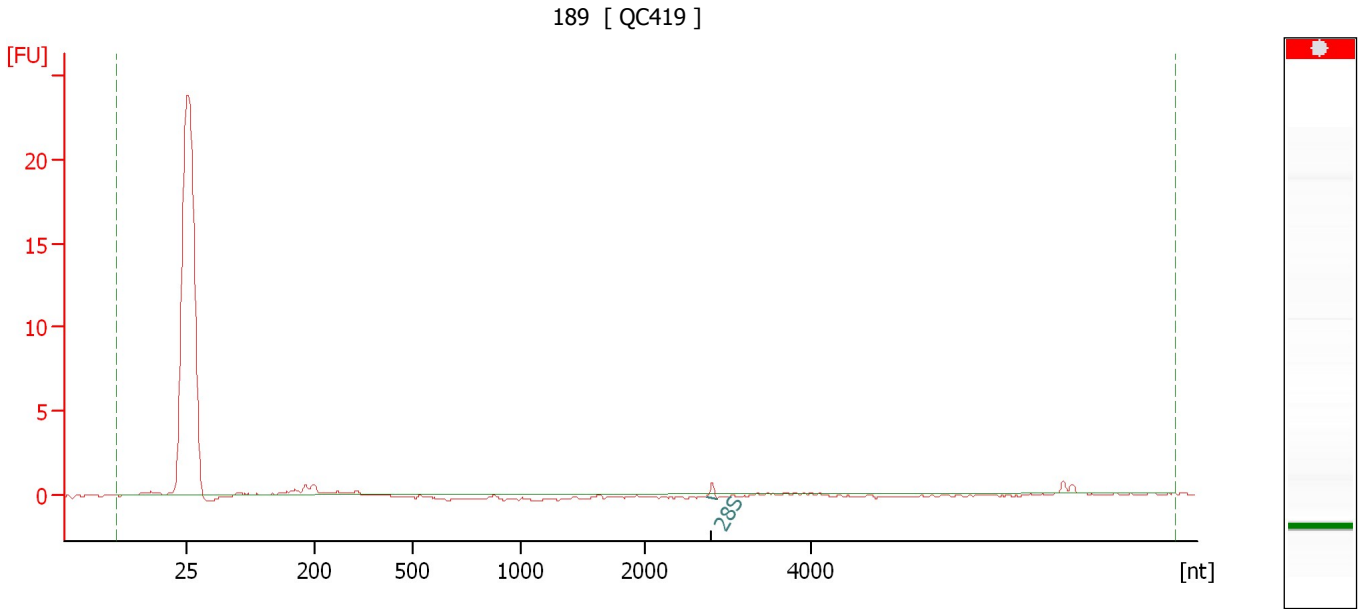
Fragment table for sample 4 : 187

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	2,042	9.1	4.6
28S	3,803	3,982	0.3	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 189

RNA Area:	5.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	54 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

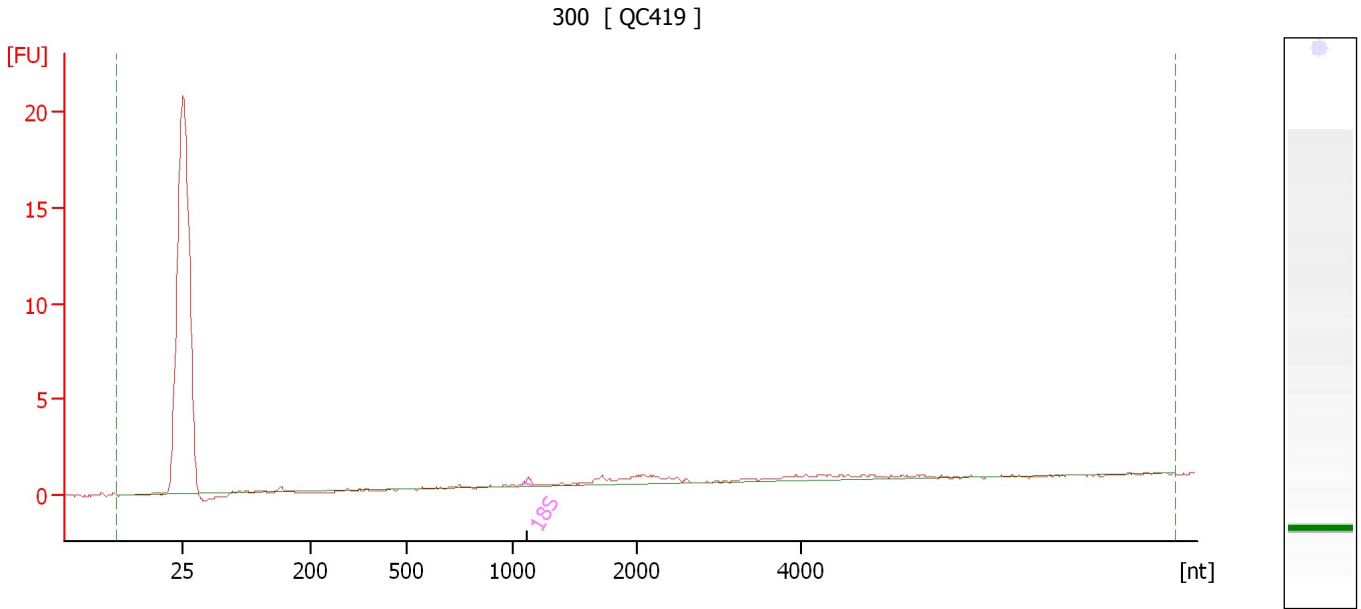
Fragment table for sample 5 : 189

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,745	2,874	0.4	7.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 300

RNA Area:	8.9	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	84 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.20

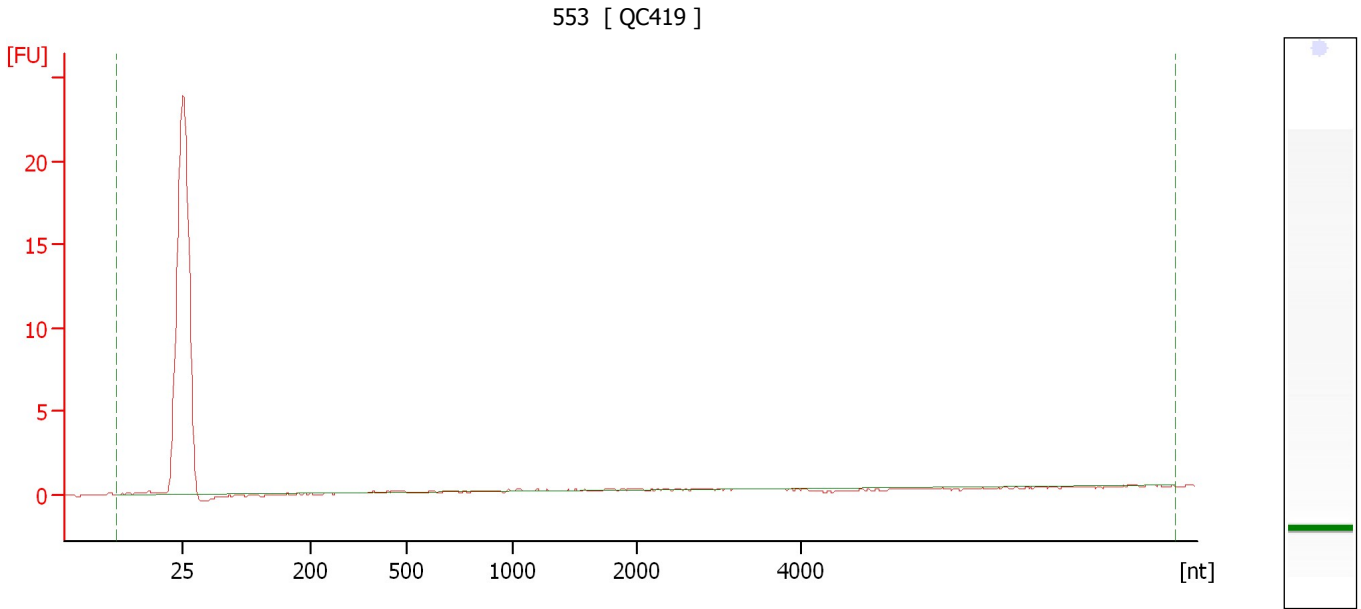
Fragment table for sample 6 : 300

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,075	1,162	0.2	2.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



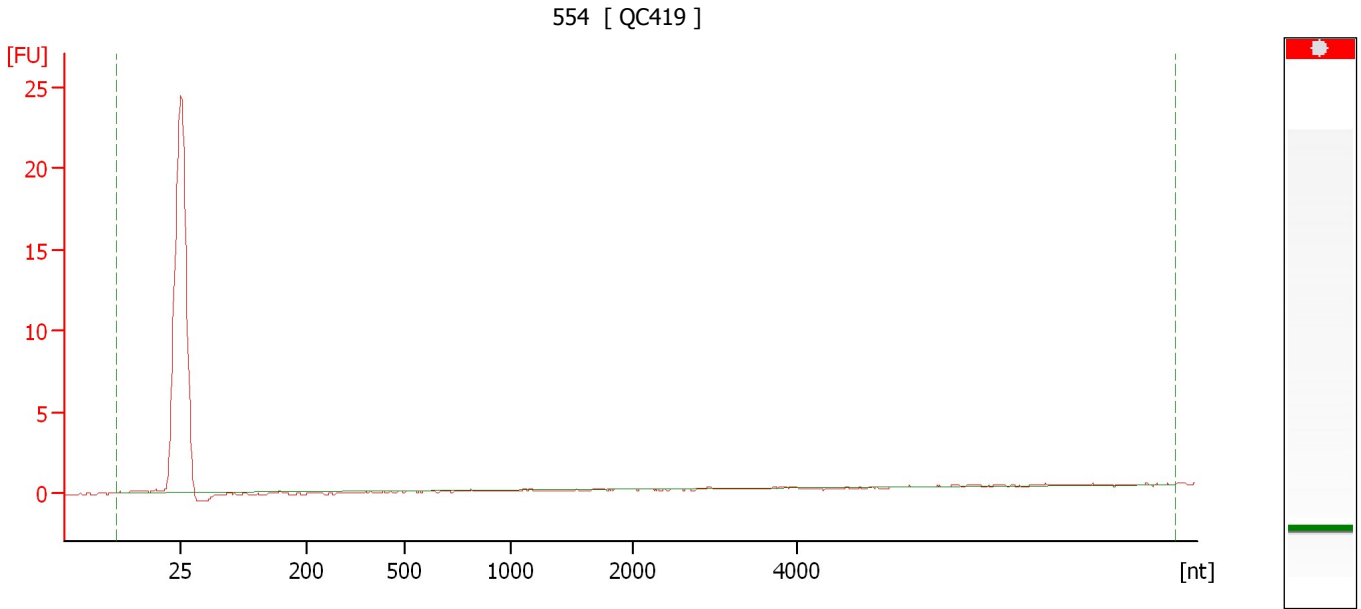
Overall Results for sample 7 : 553

RNA Area:	2.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	26 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



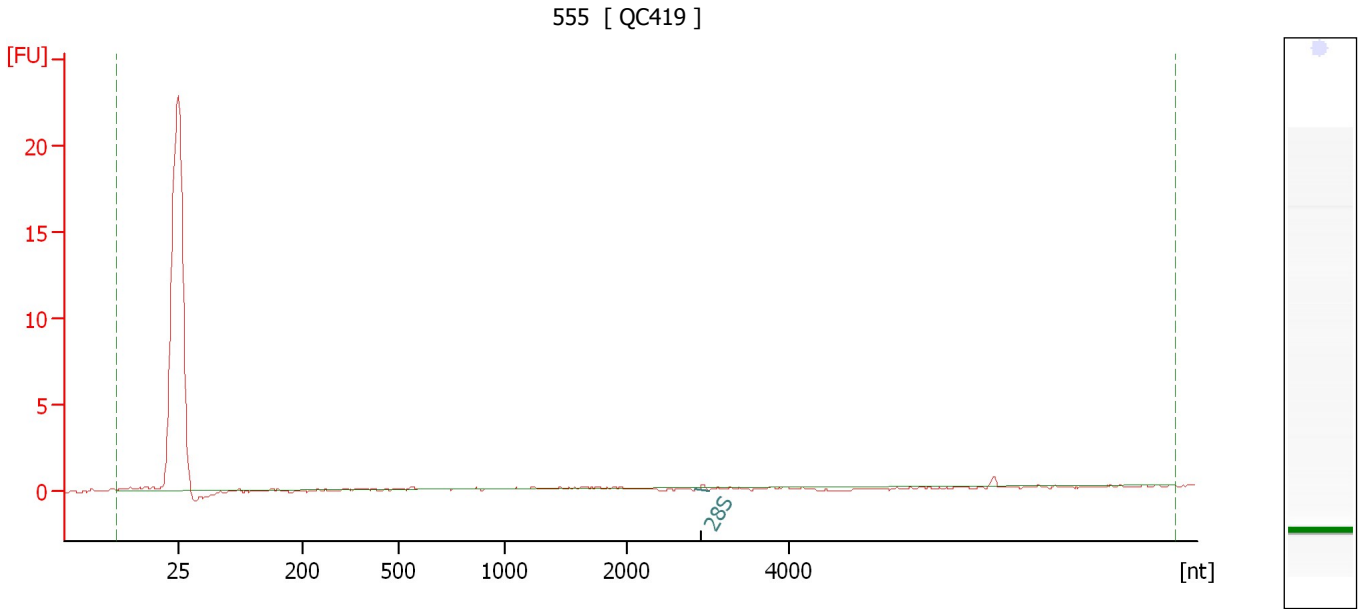
Overall Results for sample 8 : 554

RNA Area:	0.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 555

RNA Area:	1.5	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	14 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

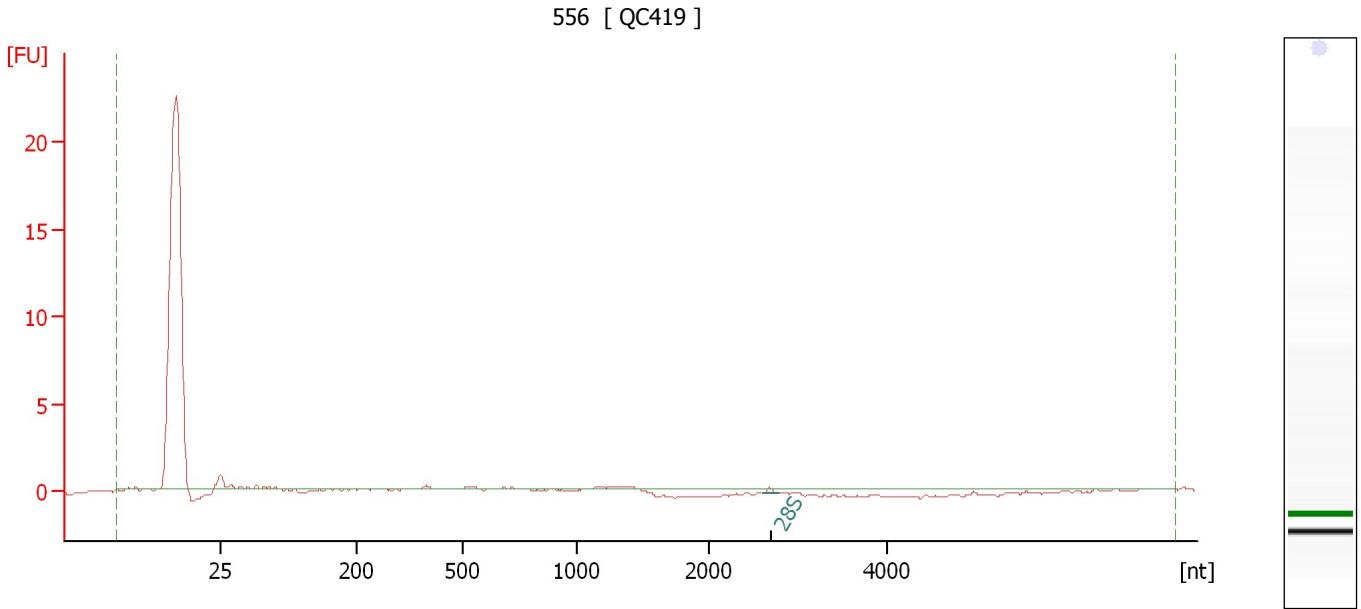
Fragment table for sample 9 : 555

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,845	3,015	0.2	12.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 556

RNA Area:	63.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	605 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

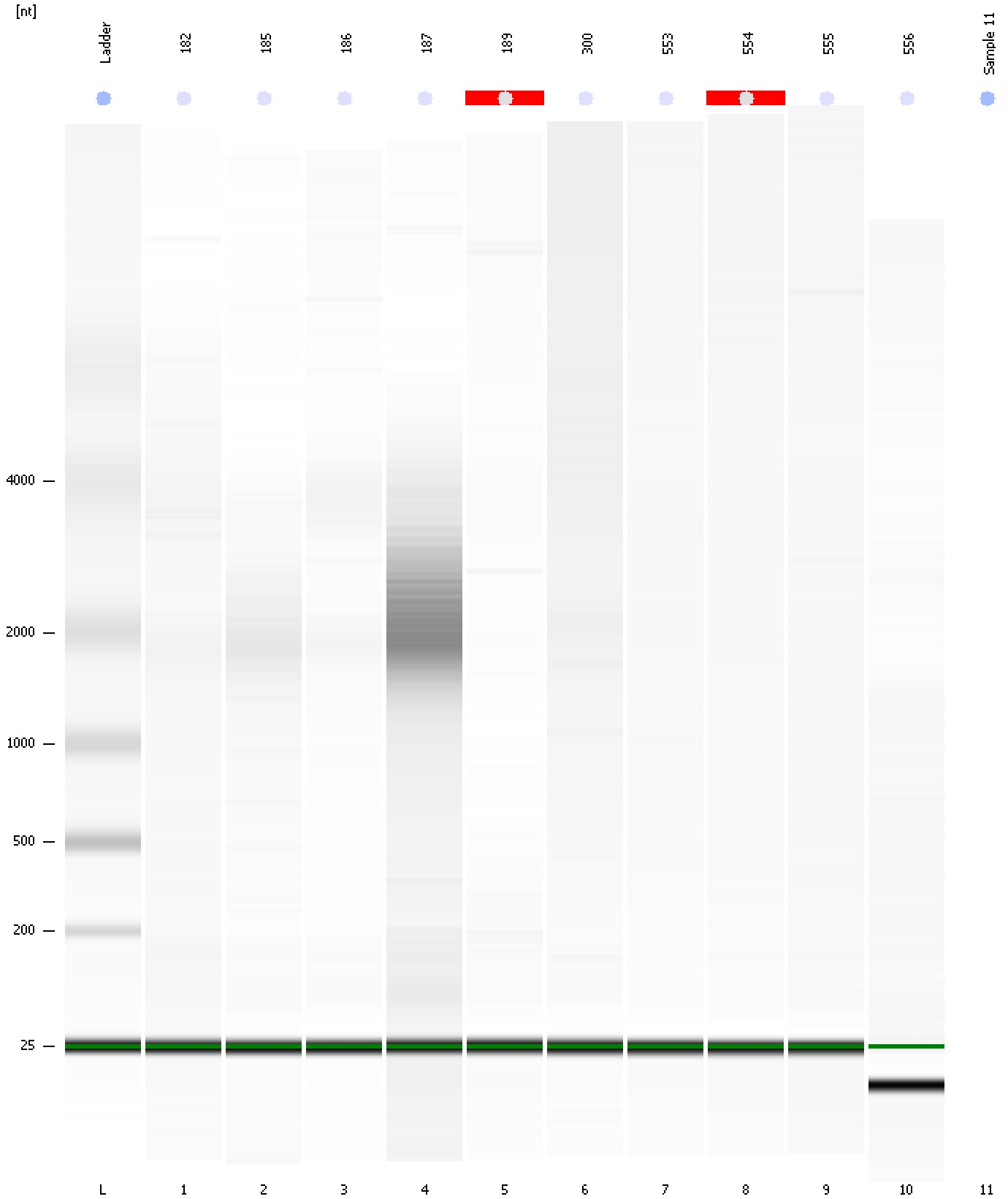
Fragment table for sample 10 : 556

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,613	2,793	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
Modified: 4/19/2019 1:08:44 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad

Created: 4/19/2019 12:47:18 PM
 Modified: 4/19/2019 1:08:44 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		4/19/2019 1:08:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-04-19\2019-04-19_004.xad)		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/19/2019 12:47:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1