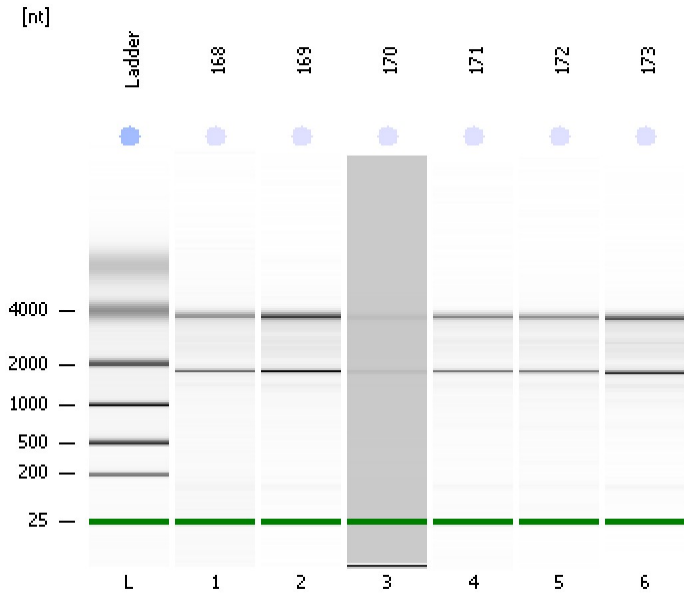


Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 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\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)

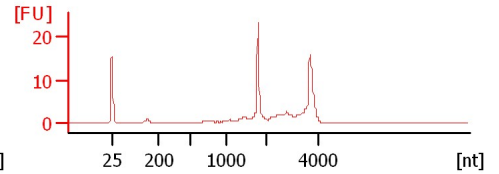
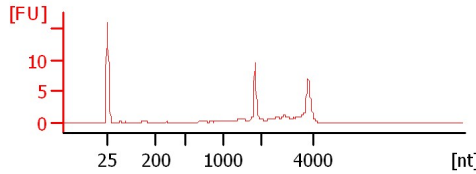
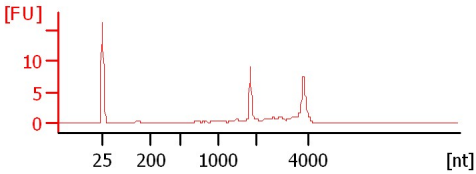
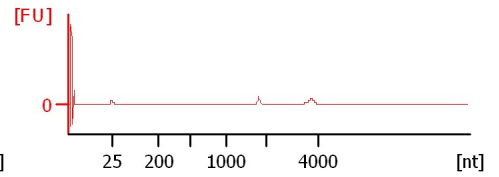
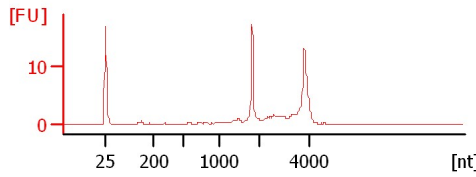
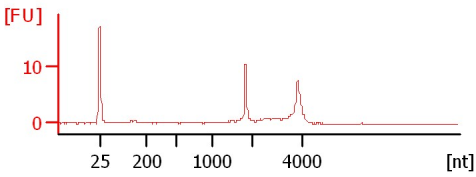
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
168		✓	RIN: 9.20	
169		✓	RIN: 9.30	
170		✓	RIN: 9.20	
171		✓	RIN: 8.80	
172		✓	RIN: 8.50	
173		✓	RIN: 8.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:41:55 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/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

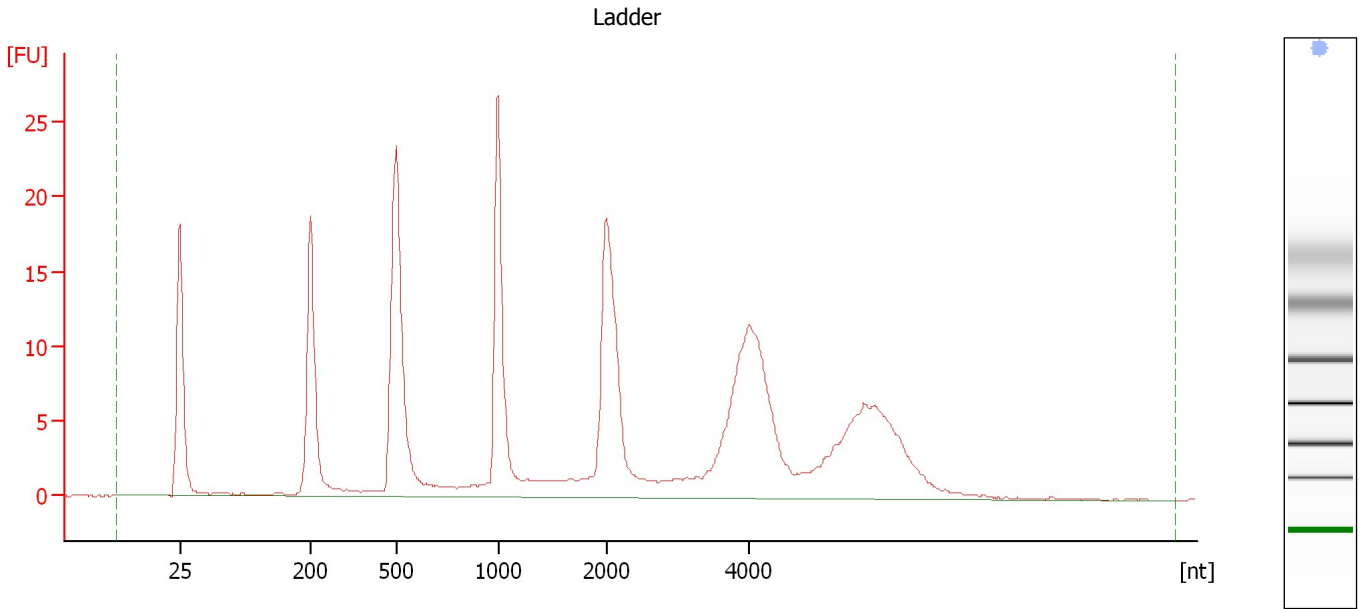
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:41:55 PM

Electropherogram Summary



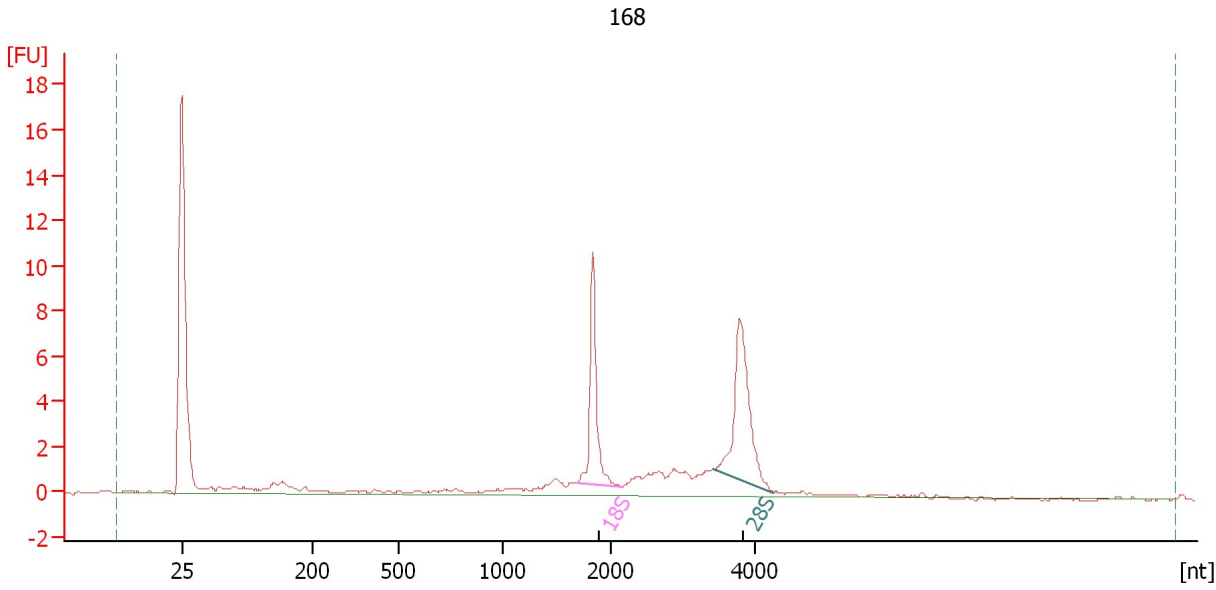
Overall Results for Ladder

RNA Area:	265.9	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 168

RNA Area:	47.2	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.20

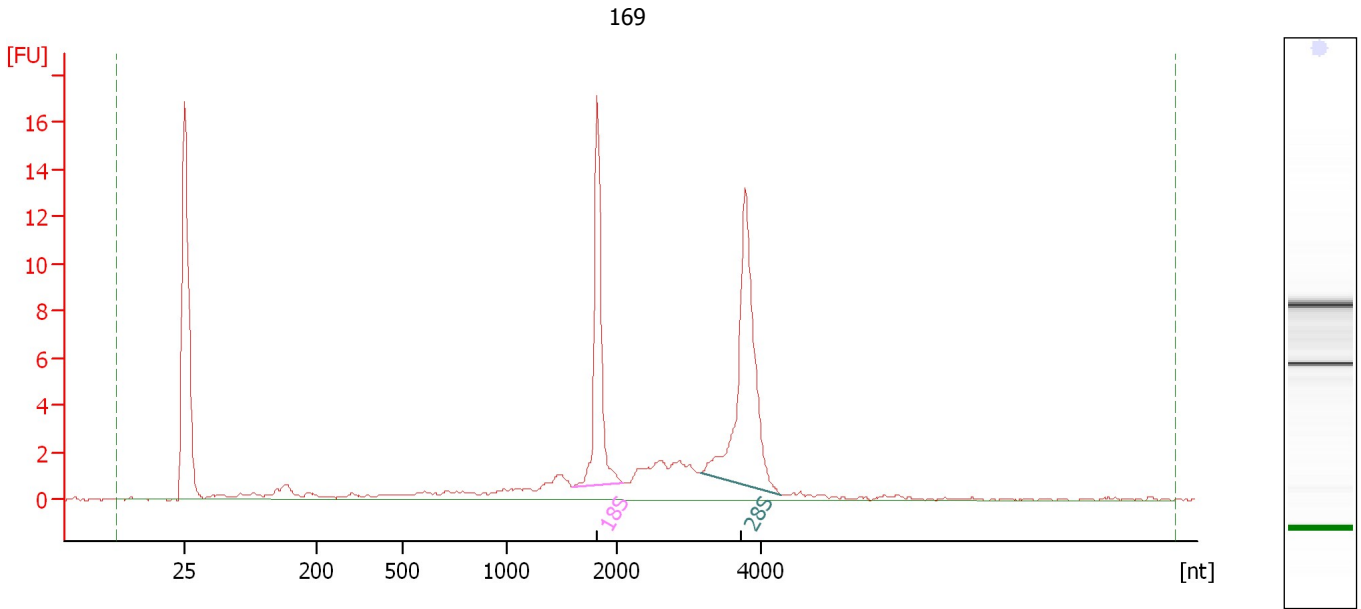
Fragment table for sample 1 : 168

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,166	8.8	18.5
28S	3,429	4,261	11.6	24.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 169

RNA Area:	69.8	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.30

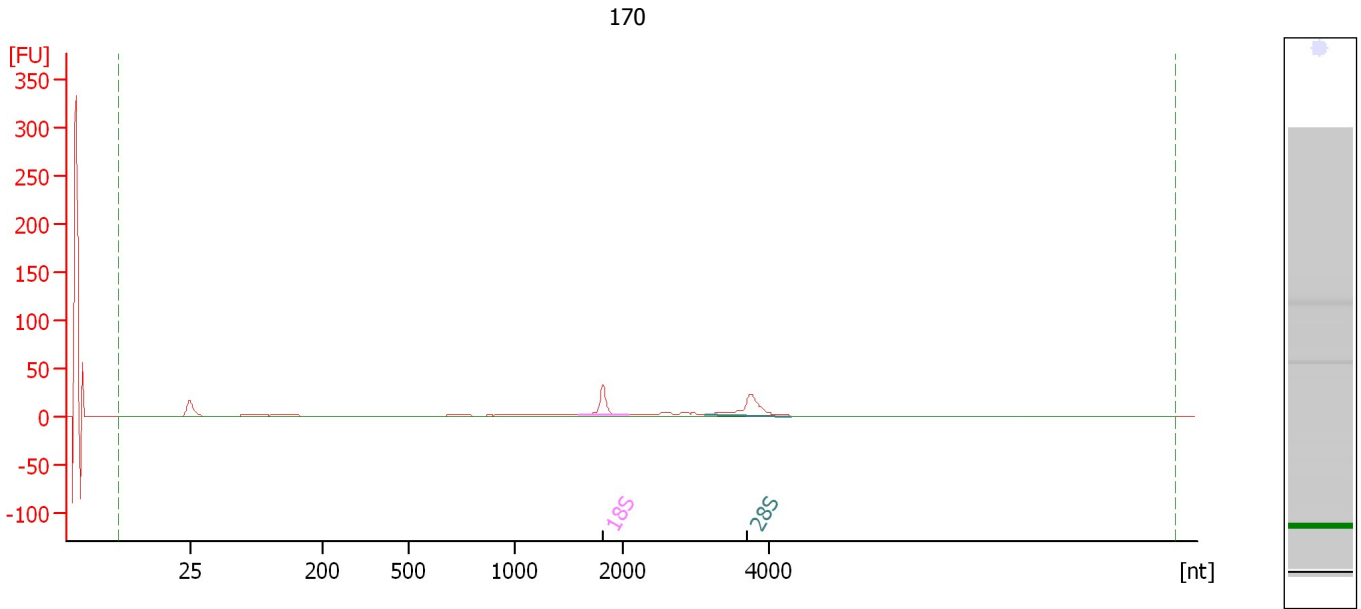
Fragment table for sample 2 : 169

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	2,096	13.9	19.9
28S	3,174	4,281	21.7	31.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 170

RNA Area:	124.4	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	70 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.20

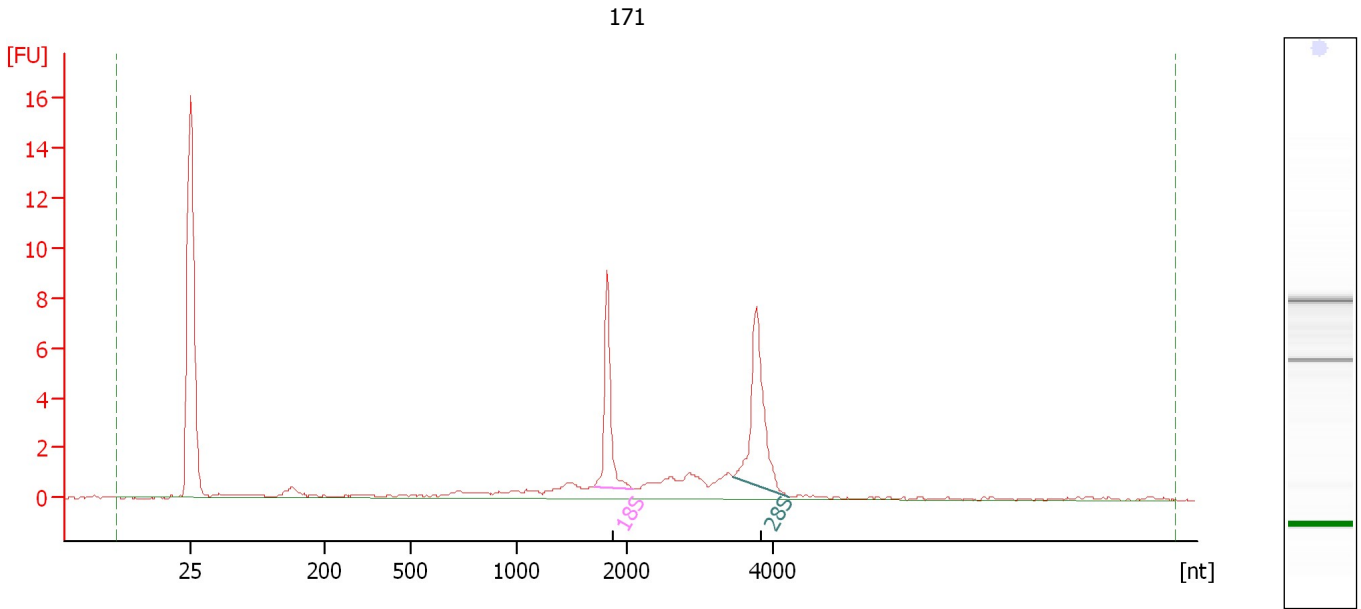
Fragment table for sample 3 : 170

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	2,086	26.7	21.4
28S	3,112	4,315	37.3	30.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 171

RNA Area:	36.9	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	21 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.80

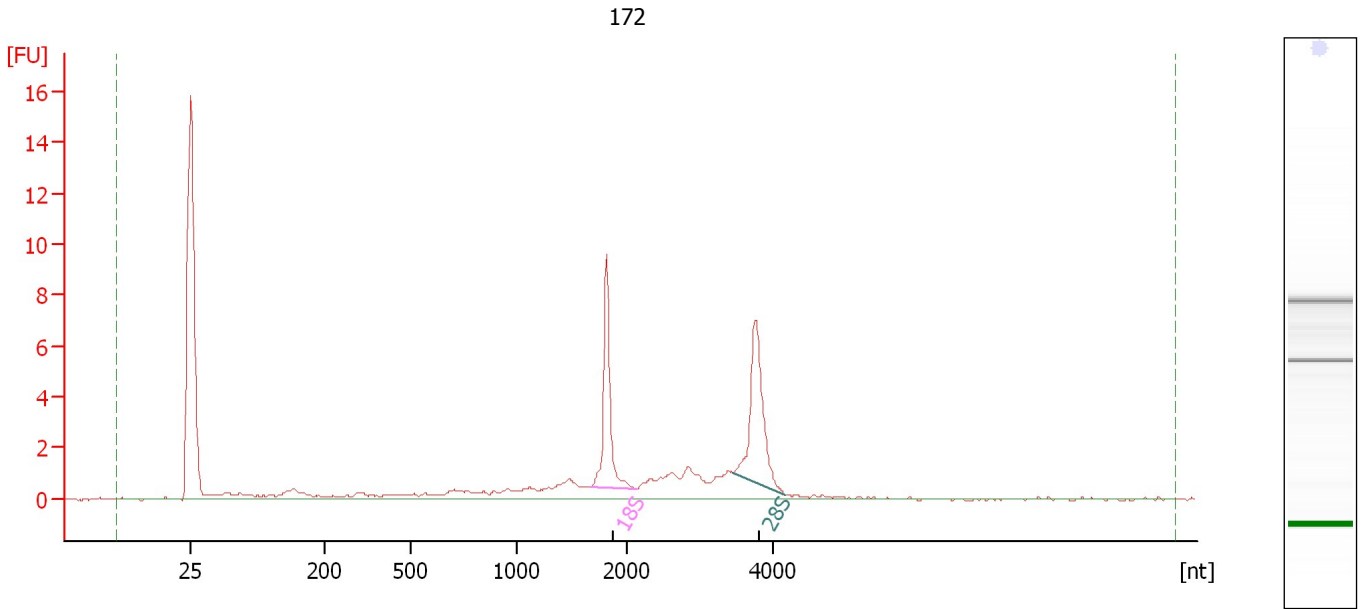
Fragment table for sample 4 : 171

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	2,089	7.0	18.9
28S	3,447	4,220	9.5	25.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
 Modified: 8/6/2019 4:41:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 172

RNA Area:	43.1	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.50

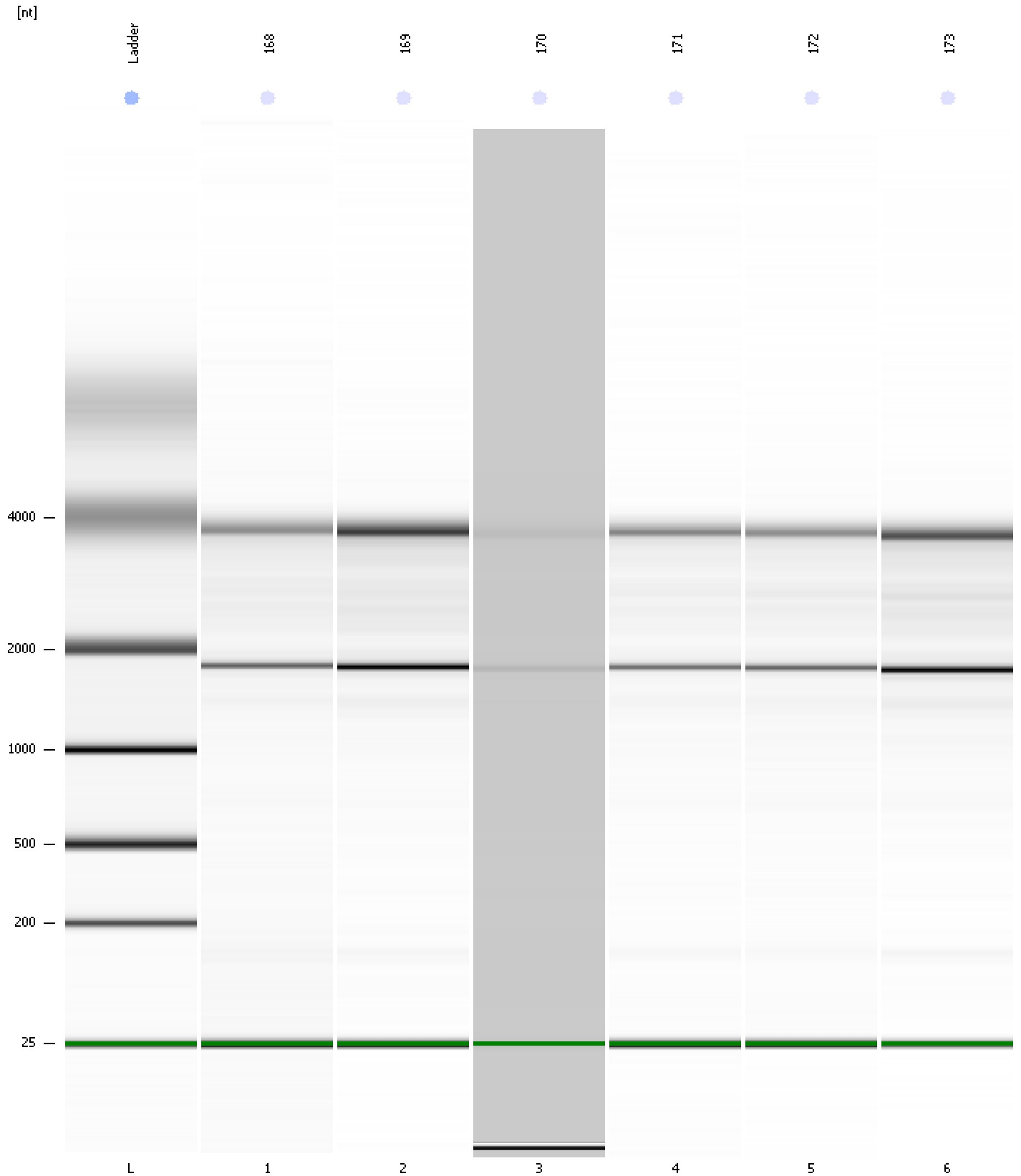
Fragment table for sample 5 : 172

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	2,147	7.9	18.3
28S	3,461	4,162	8.5	19.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad

Created: 8/6/2019 4:16:43 PM
Modified: 8/6/2019 4:41:55 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano Created: 8/6/2019 4:16:43 PM
 Data Path: C:\...\data\2019-08-06\2019-08-06_009_HiSeq1902_RNAQC_168-173.xad Modified: 8/6/2019 4:41:55 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		8/6/2019 4:36:26 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\2019-08-06\2019-08-06_009.xad)		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/6/2019 4:16:49 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1