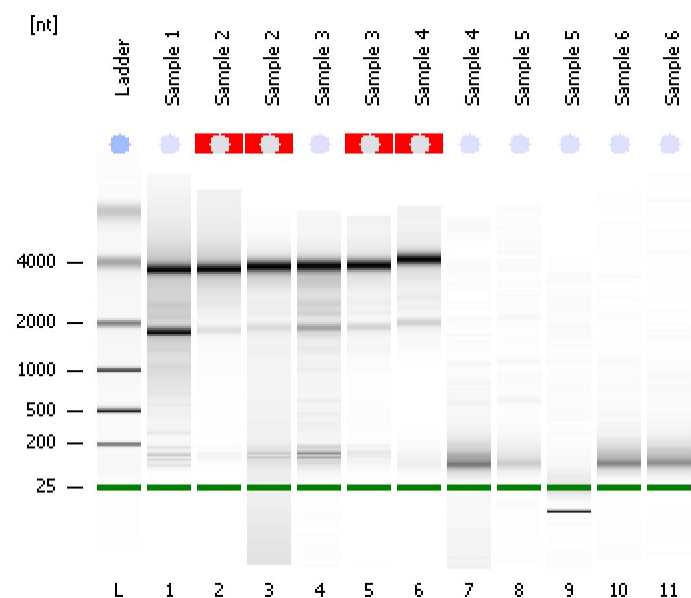


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: Jarvis lab Firmware: C.01.069
Serial#: DE72902042 Type: G2939A

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)

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Chip Information:

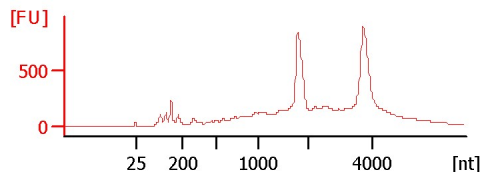
Chip Lot #:

Reagent Kit Lot #:

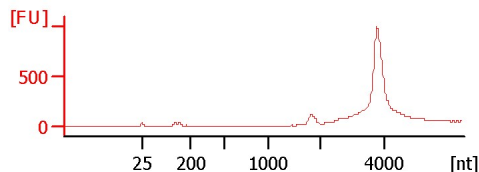
Chip Comments:

Sample 1

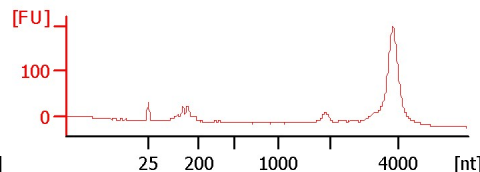
RIN: 7.70

**Sample 2**

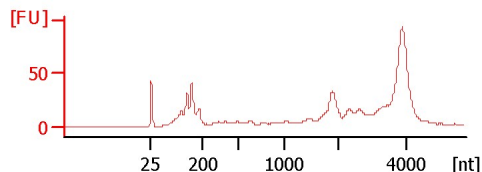
RIN N/A

**Sample 2**

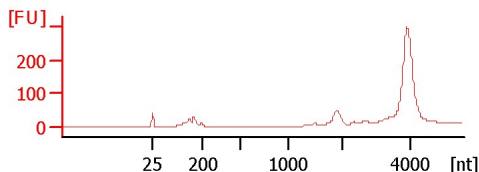
RIN N/A

**Sample 3**

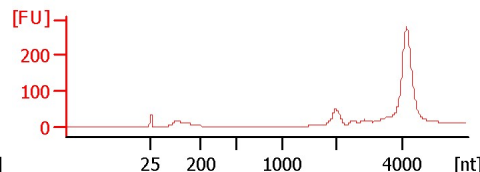
RIN: 8.60

**Sample 3**

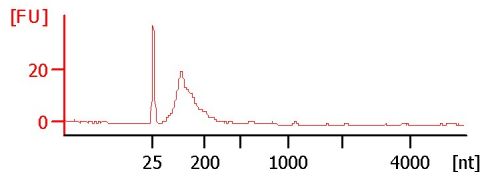
RIN N/A

**Sample 4**

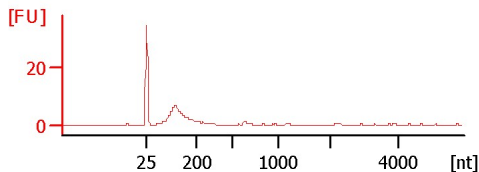
RIN N/A

**Sample 4**

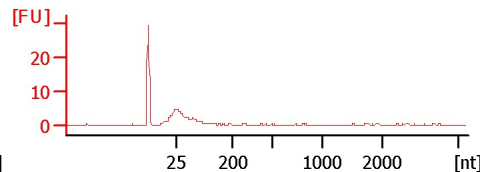
RIN: 2.70

**Sample 5**

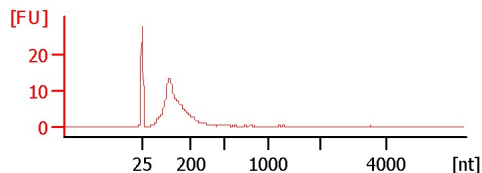
RIN: 2.10

**Sample 5**

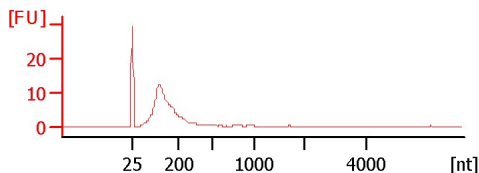
RIN: 2.90

**Sample 6**

RIN: 2.60

**Sample 6**

RIN: 2.60



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 7.70	
Sample 2		✓	RIN N/A	
Sample 2		✓	RIN N/A	
Sample 3		✓	RIN: 8.60	
Sample 3		✓	RIN N/A	
Sample 4		✓	RIN N/A	
Sample 4		✓	RIN: 2.70	
Sample 5		✓	RIN: 2.10	
Sample 5		✓	RIN: 2.90	
Sample 6		✓	RIN: 2.60	
Sample 6		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 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

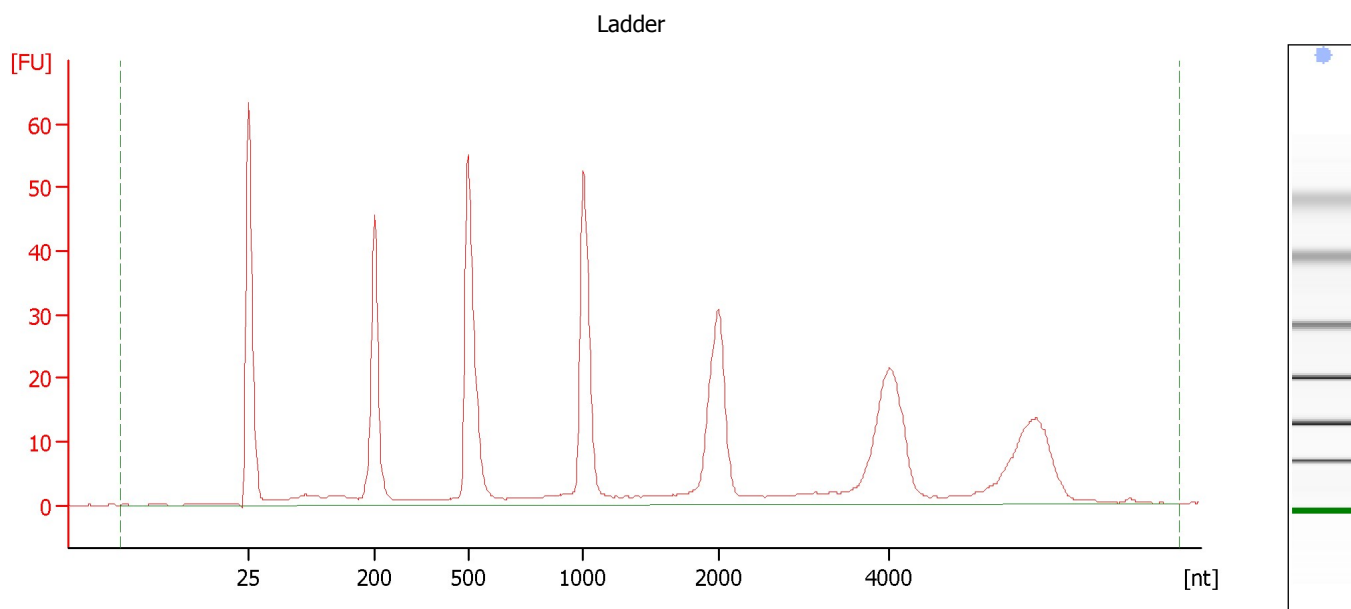
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 447.9

Result Flagging Color:



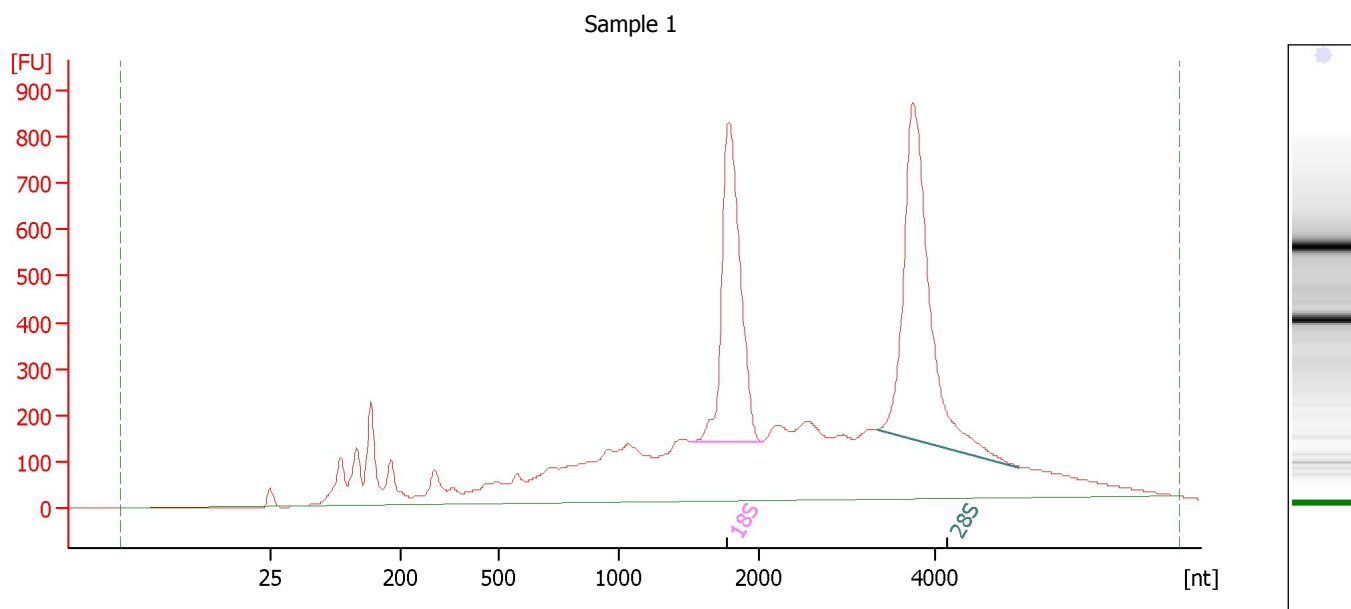
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : Sample 1**

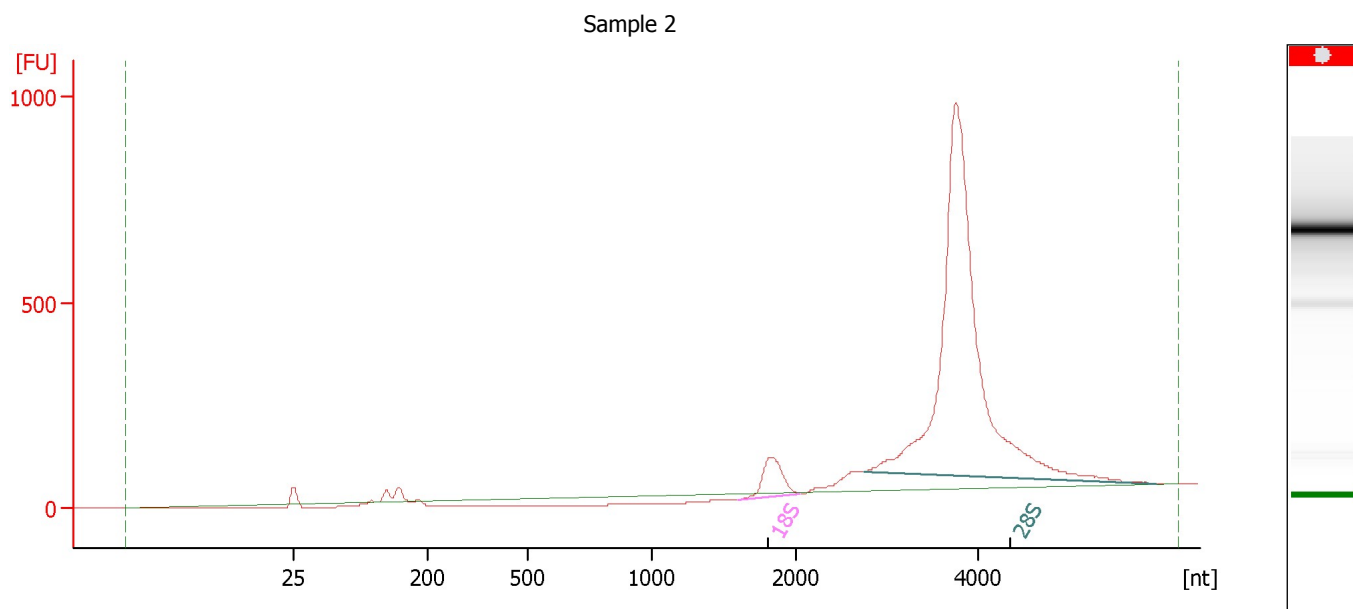
RNA Area:	10,394.6	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	23,208 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.70

Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	2,045	1,414.2	13.6
28S	3,344	4,944	1,765.8	17.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : Sample 2**

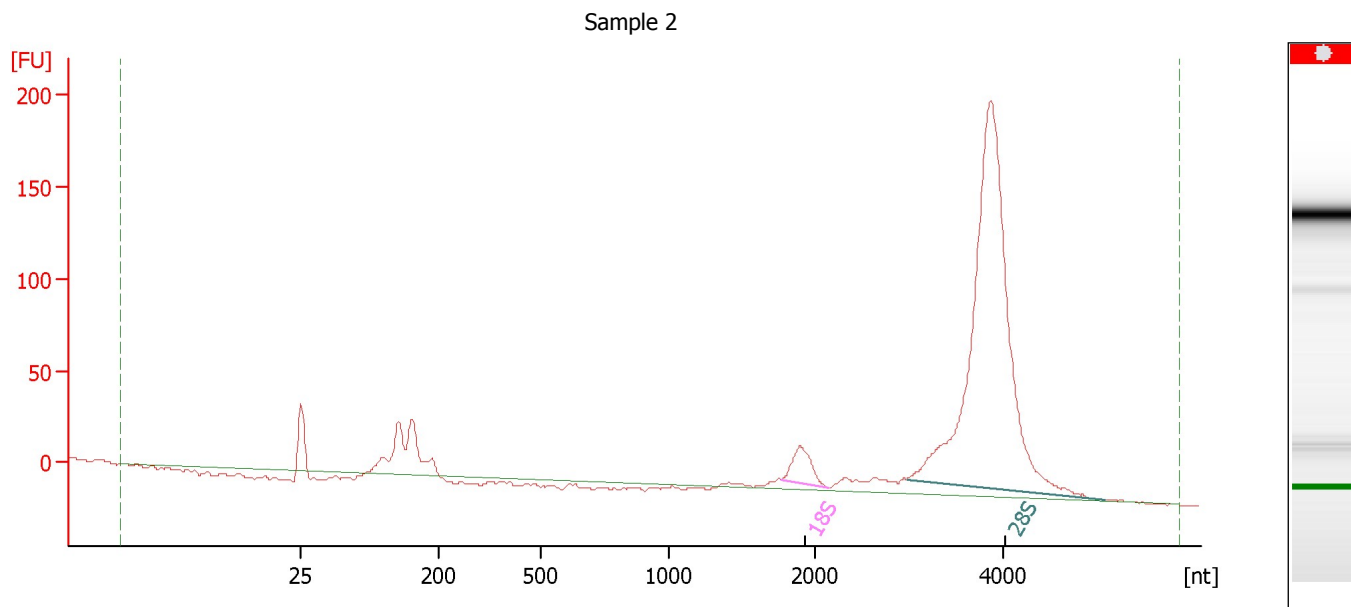
RNA Area:	3,867.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8,634 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	13.8	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,603	2,049	208.5	5.4
28S	2,759	5,947	2,882.0	74.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : Sample 2**

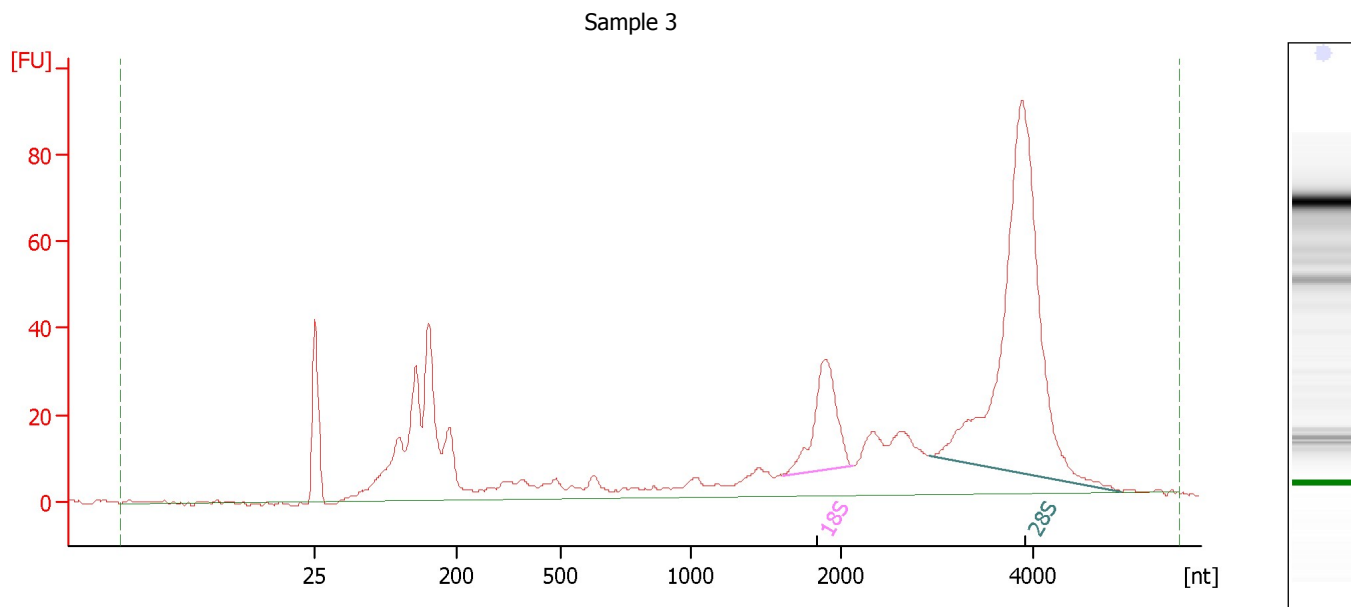
RNA Area:	978.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,185 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	16.7	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,767	2,134	40.1	4.1
28S	2,967	5,088	668.1	68.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Sample 3**

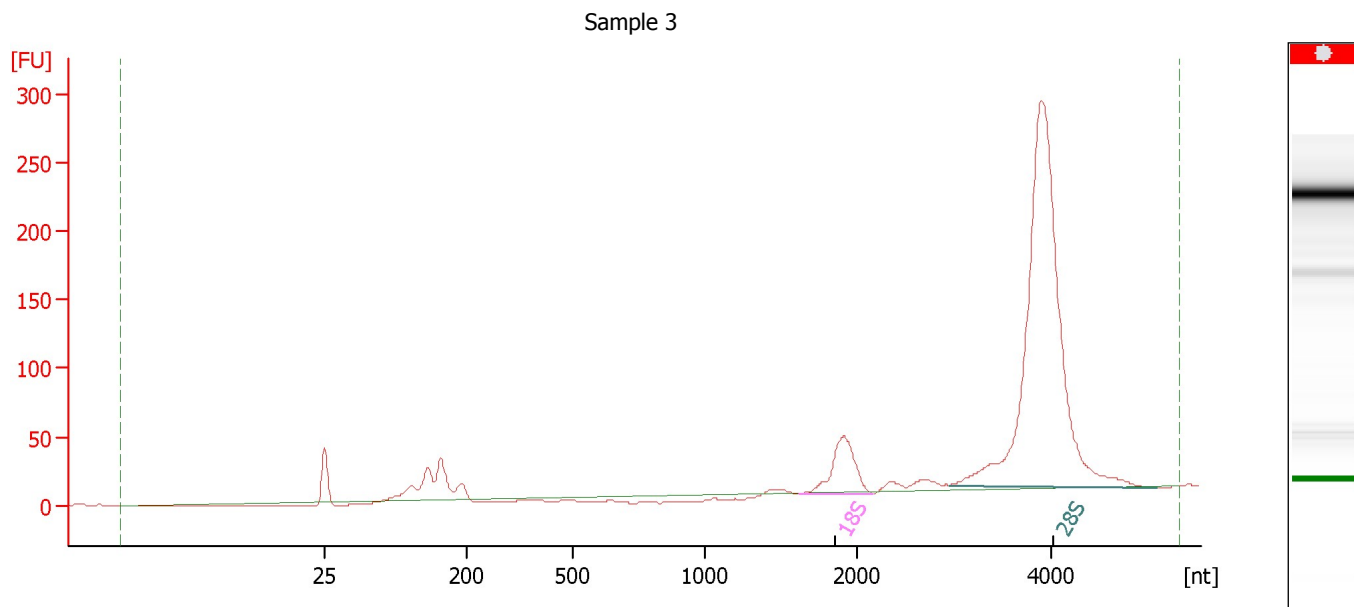
RNA Area:	822.6	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	1,837 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.5	Result Flagging Label:	RIN: 8.60

Fragment table for sample 4 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	2,118	59.5	7.2
28S	2,920	4,915	269.1	32.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : Sample 3**

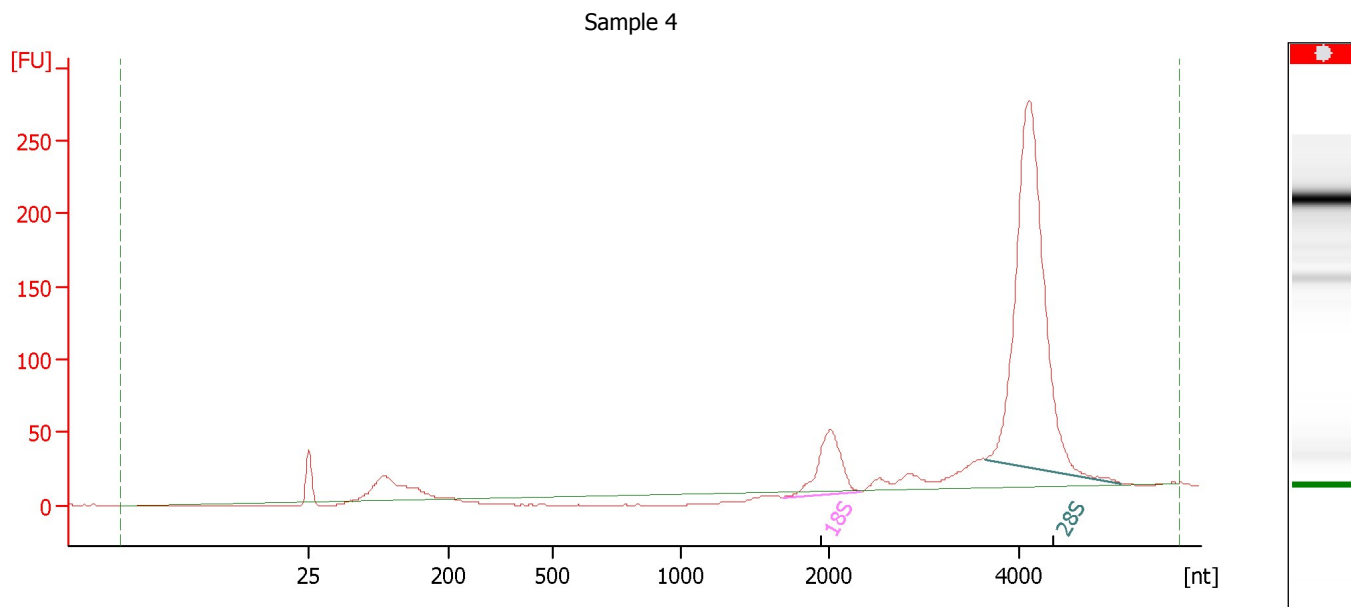
RNA Area:	1,043.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,330 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	8.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	2,162	97.0	9.3
28S	2,942	5,074	779.1	74.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Sample 4**

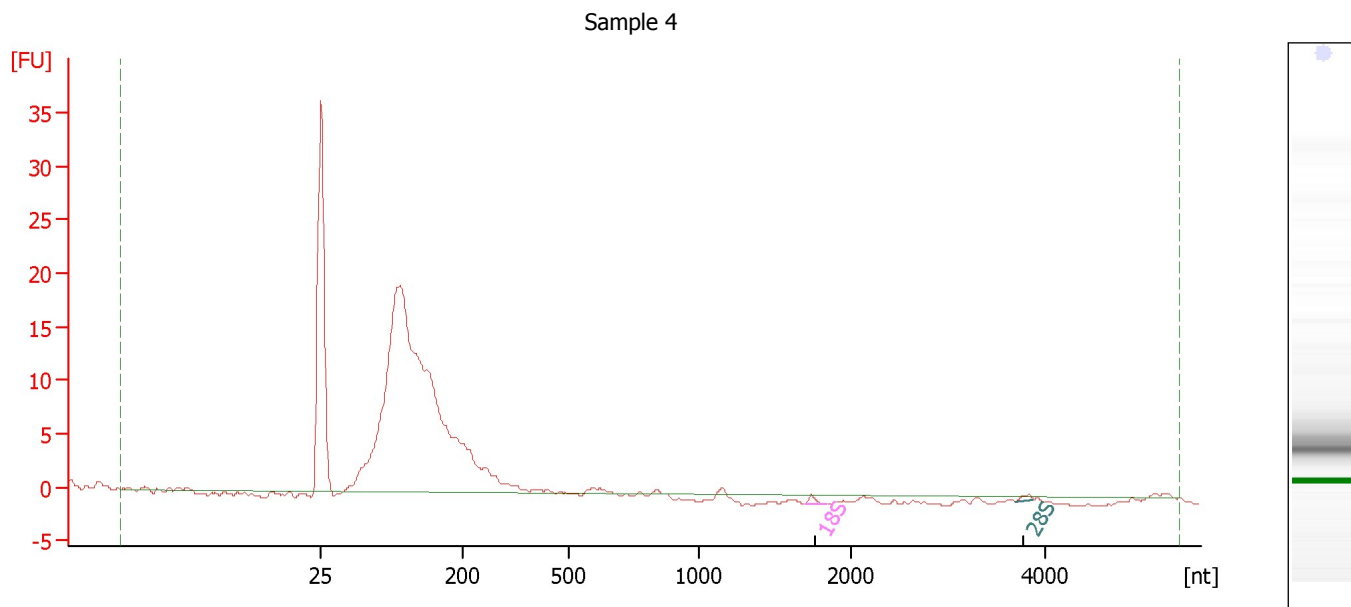
RNA Area:	985.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,200 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	5.9	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,324	104.3	10.6
28S	3,630	5,072	610.3	61.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Sample 4**

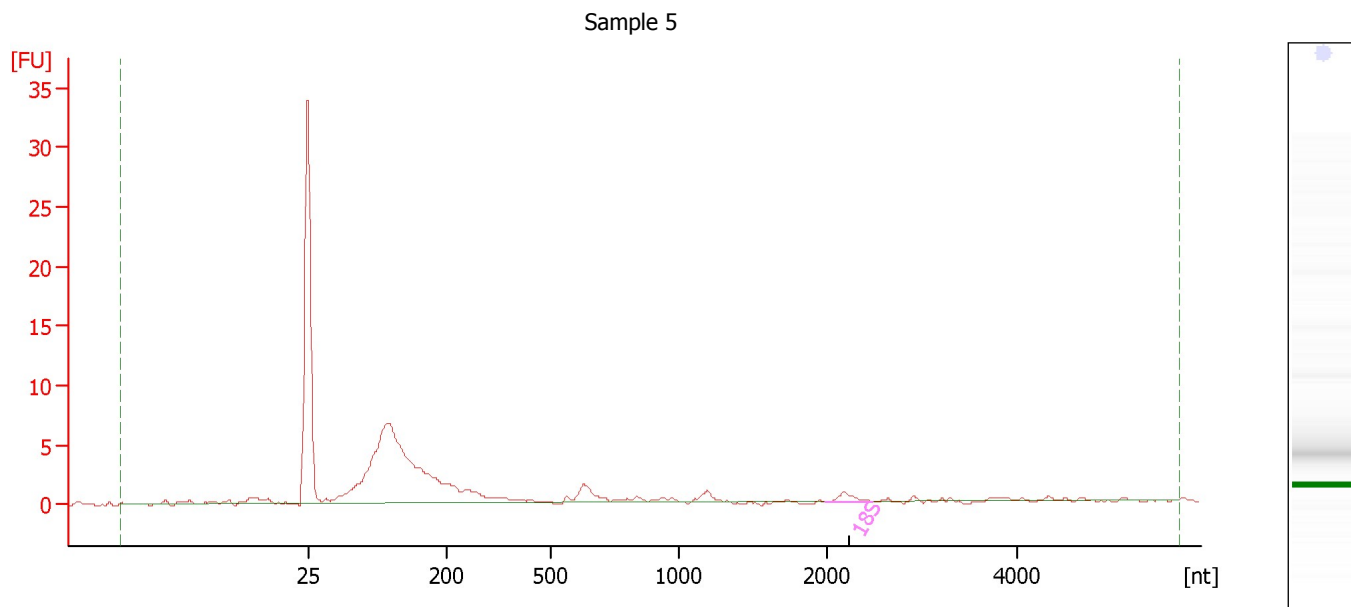
RNA Area:	157.6	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	352 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 2.70

Fragment table for sample 7 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,693	1,833	0.7	0.4
28S	3,694	3,881	0.4	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Sample 5**

RNA Area:	65.9	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	147 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 8 : Sample 5

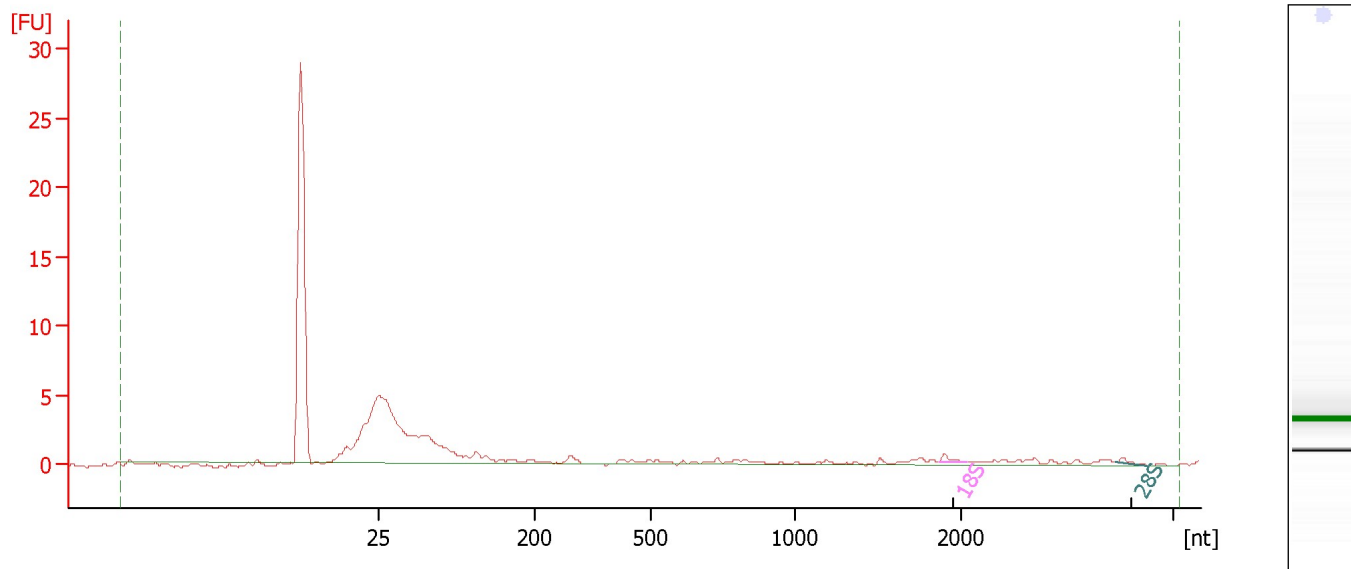
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,976	2,470	1.5	2.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...

Sample 5

**Overall Results for sample 9 : Sample 5**

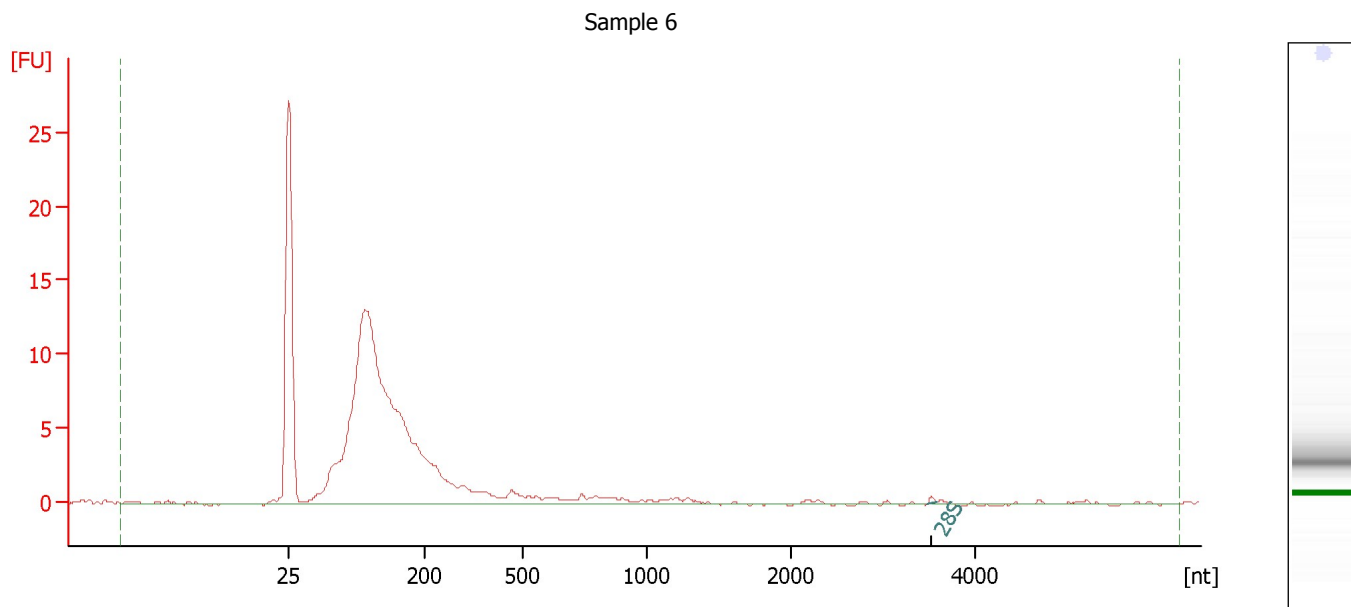
RNA Area:	58.2	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	130 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 2.90

Fragment table for sample 9 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,865	2,060	0.4	0.7
28S	3,462	3,754	0.2	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Sample 6**

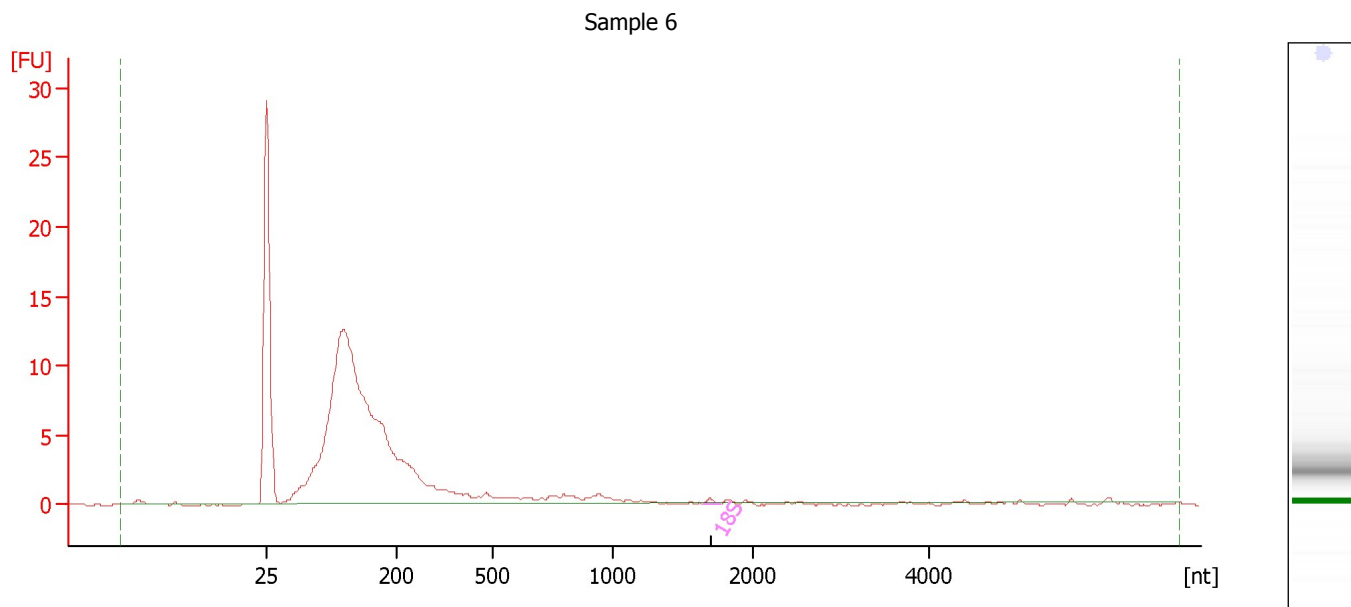
RNA Area:	119.2	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	266 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 10 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,470	3,586	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : Sample 6**

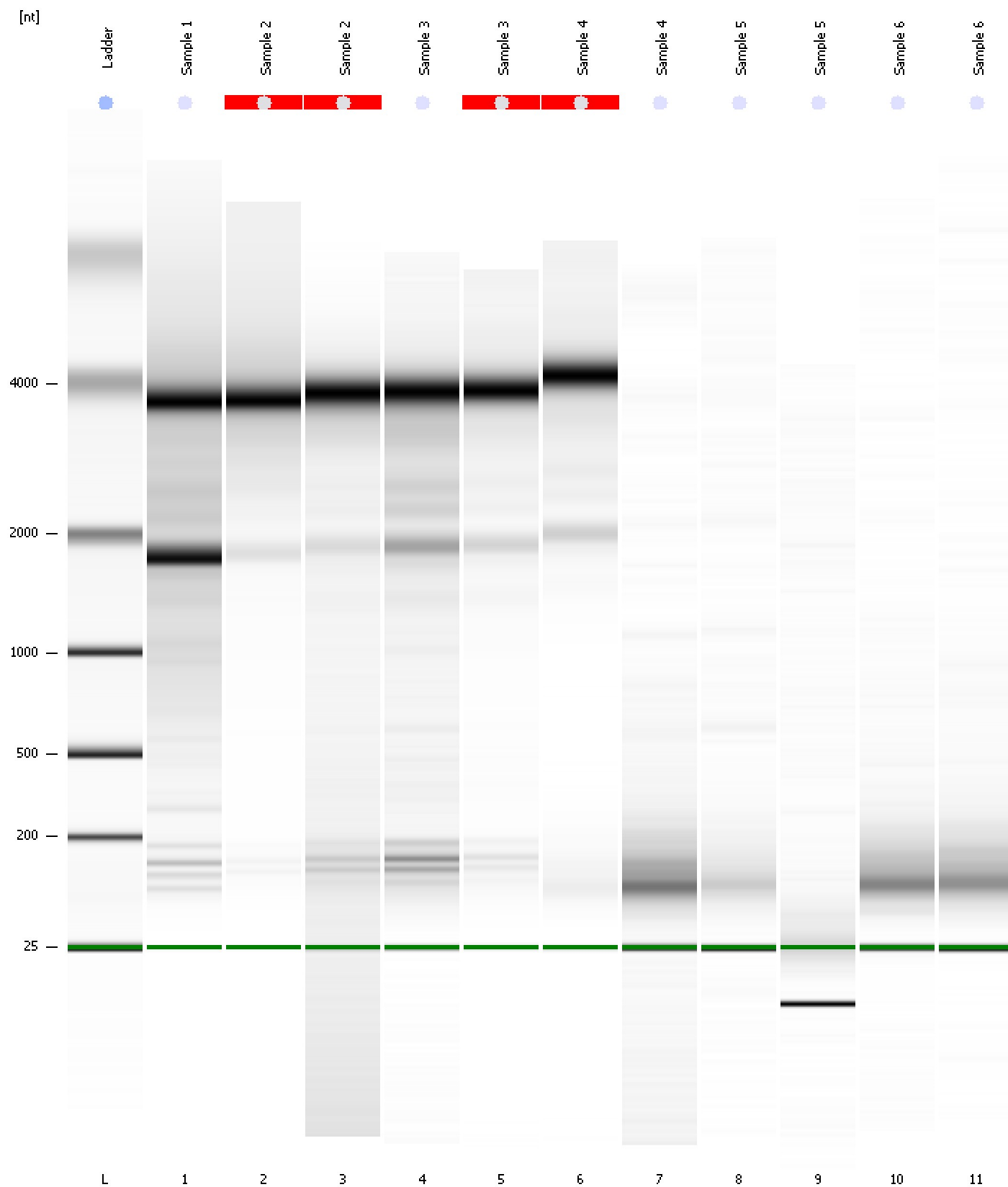
RNA Area:	120.4	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	269 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 11 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	1,772	0.3	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

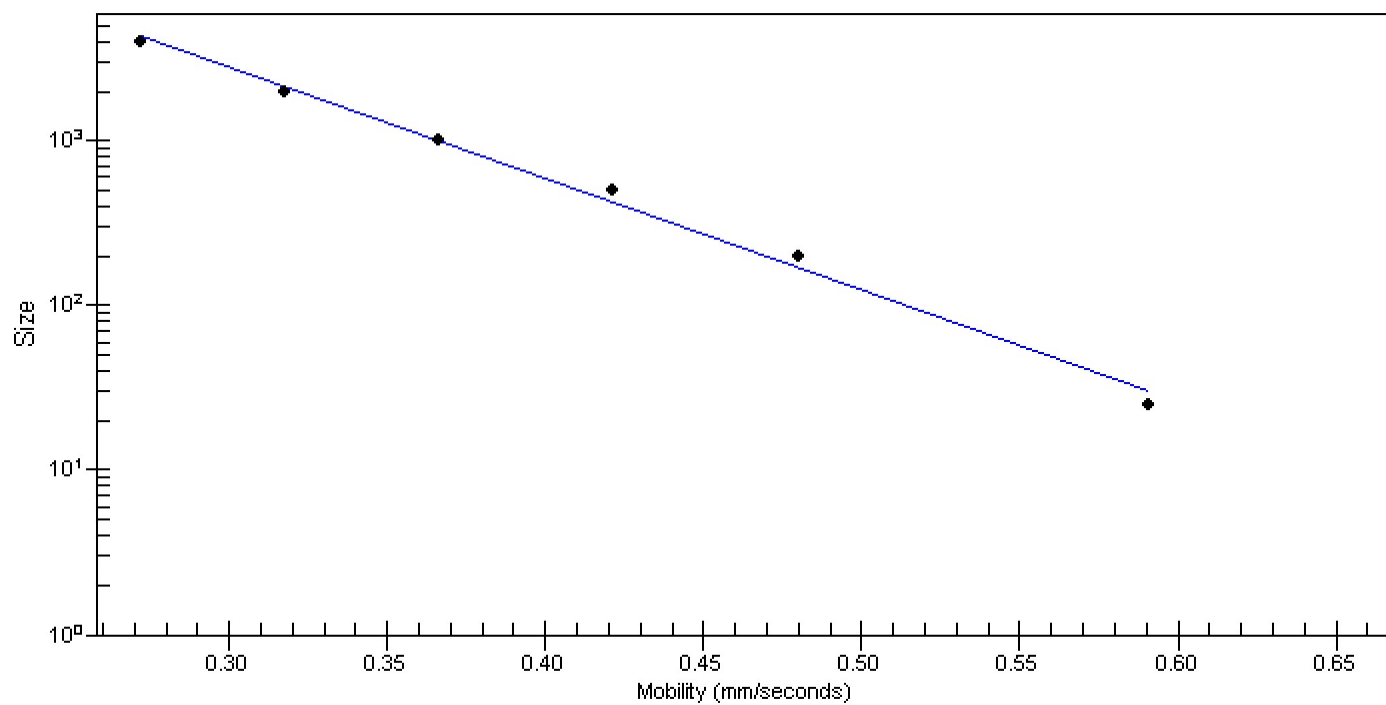
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
Modified: 1/16/2020 5:09:57 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad

Created: 1/16/2020 4:46:59 PM
 Modified: 1/16/2020 5:09:57 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		1/16/2020 5:09:55 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2020-01-16\2100 expert_Eukaryote Total RNA Pico_DE72902042_2020-01-16_16-47-00.xad)		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Product Number : G2939A		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Name : Jarvis lab		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Vendor : Agilent Technologies		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Serial# : DE72902042		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Firmware : C.01.069		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Cartridge : Electrode		Instrument	Run		1/16/2020 4:47:05 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE