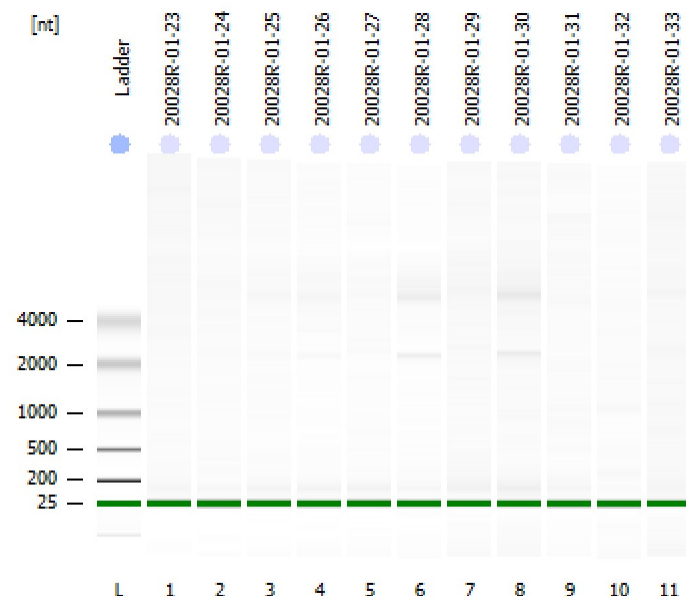


Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE20901537

Firmware: C.01.069

Serial#: DE20901537

Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)

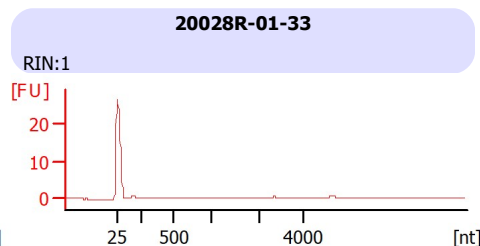
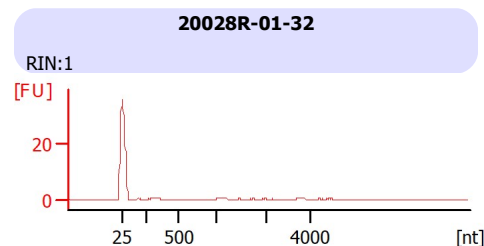
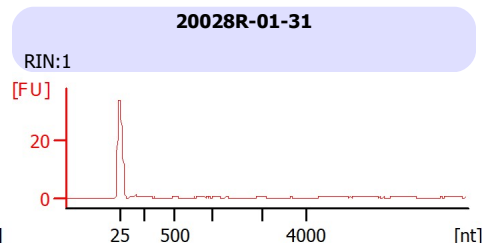
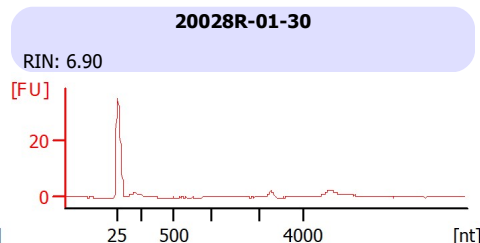
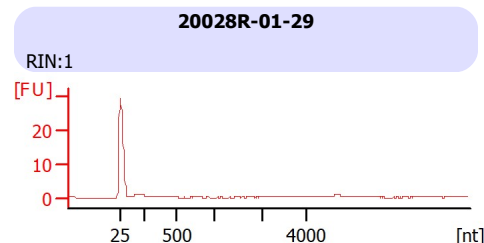
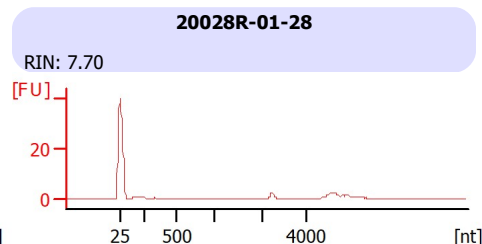
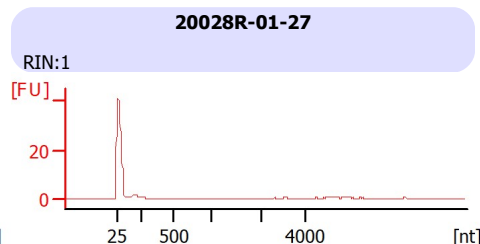
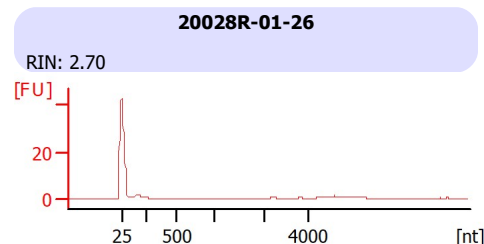
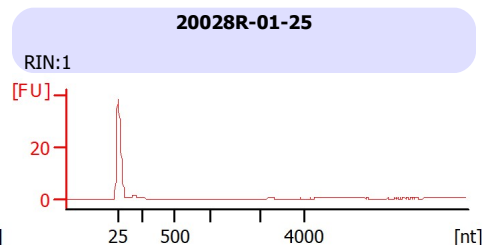
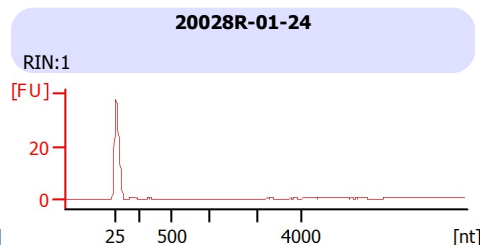
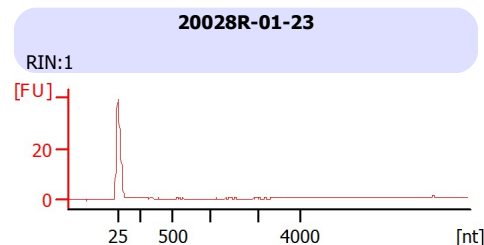
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
20028R-01-23		✓	RIN:1	
20028R-01-24		✓	RIN:1	
20028R-01-25		✓	RIN:1	
20028R-01-26		✓	RIN: 2.70	
20028R-01-27		✓	RIN:1	
20028R-01-28		✓	RIN: 7.70	
20028R-01-29		✓	RIN:1	
20028R-01-30		✓	RIN: 6.90	
20028R-01-31		✓	RIN:1	
20028R-01-32		✓	RIN:1	
20028R-01-33		✓	RIN:1	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 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

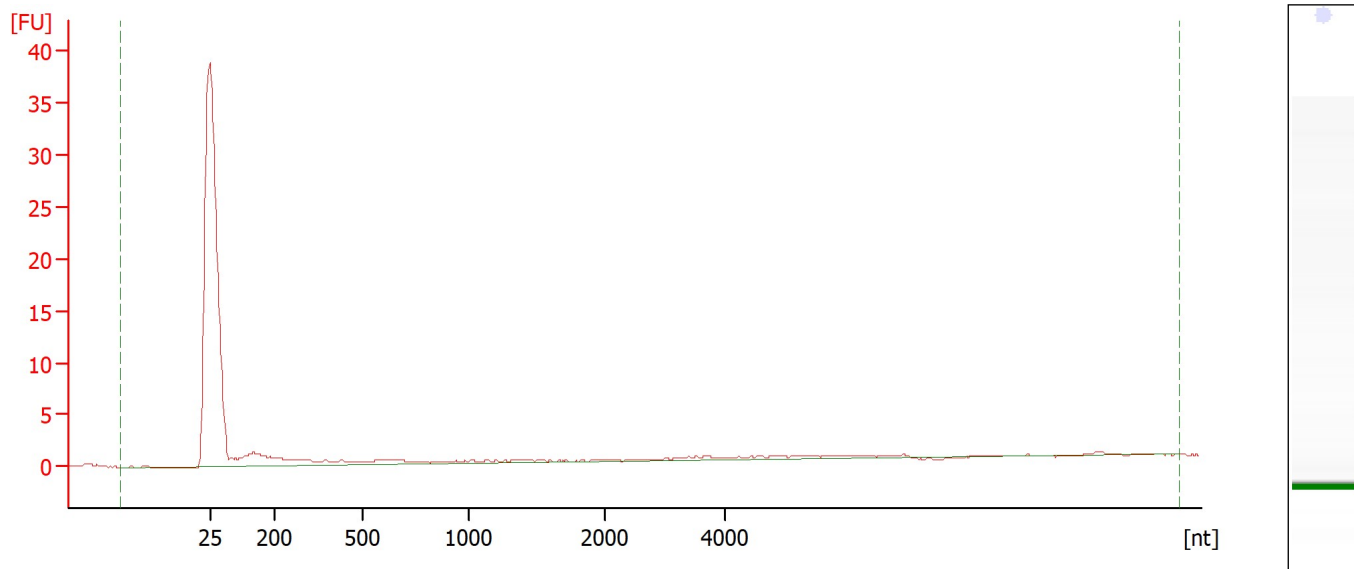
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
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Electropherogram Summary

20028R-01-23

**Overall Results for sample 1 : 20028R-01-23**

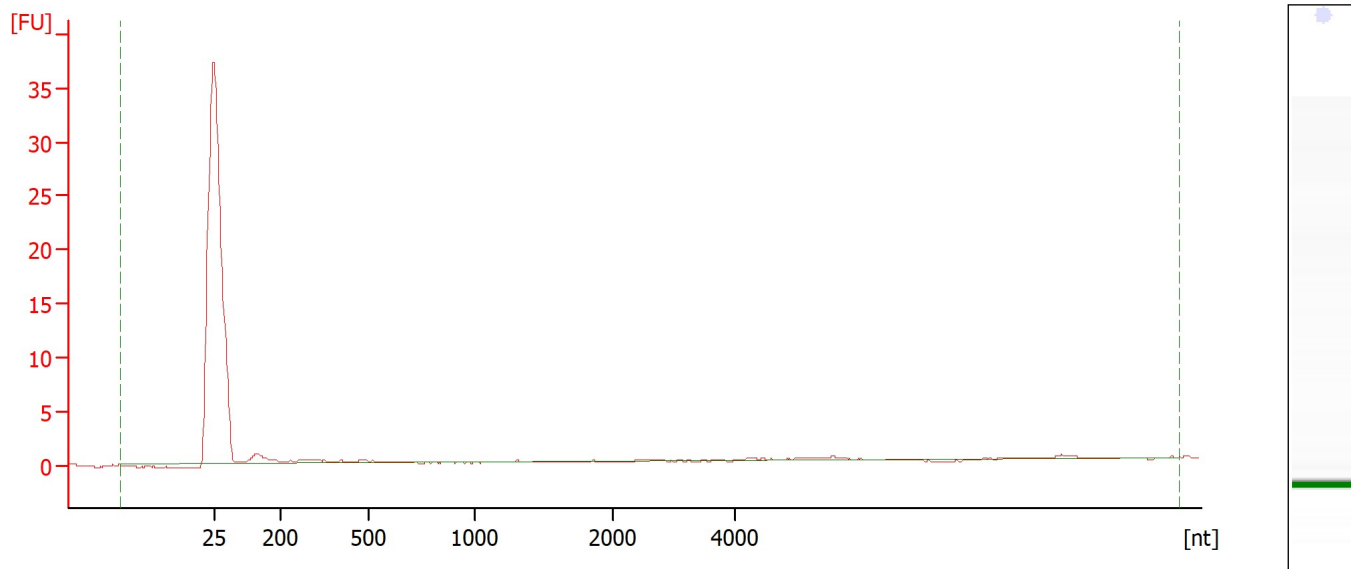
RNA Area:	30.7	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	12 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-24

**Overall Results for sample 2 : 20028R-01-24**

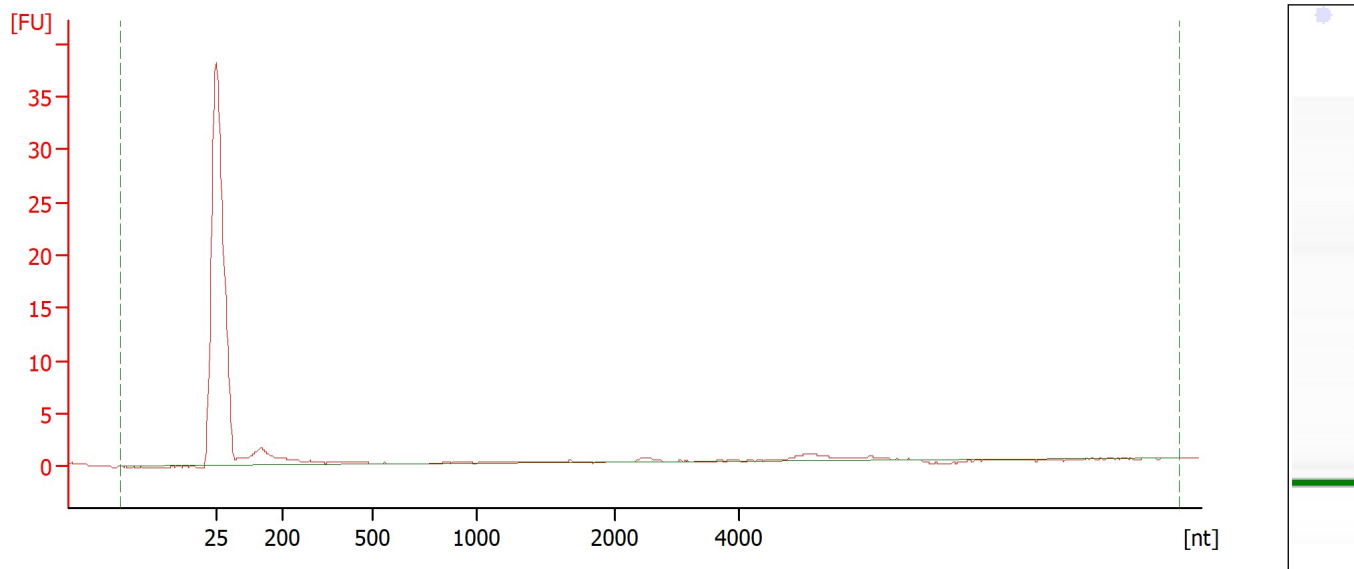
RNA Area:	10.5	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	4 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-25

**Overall Results for sample 3 : 20028R-01-25**

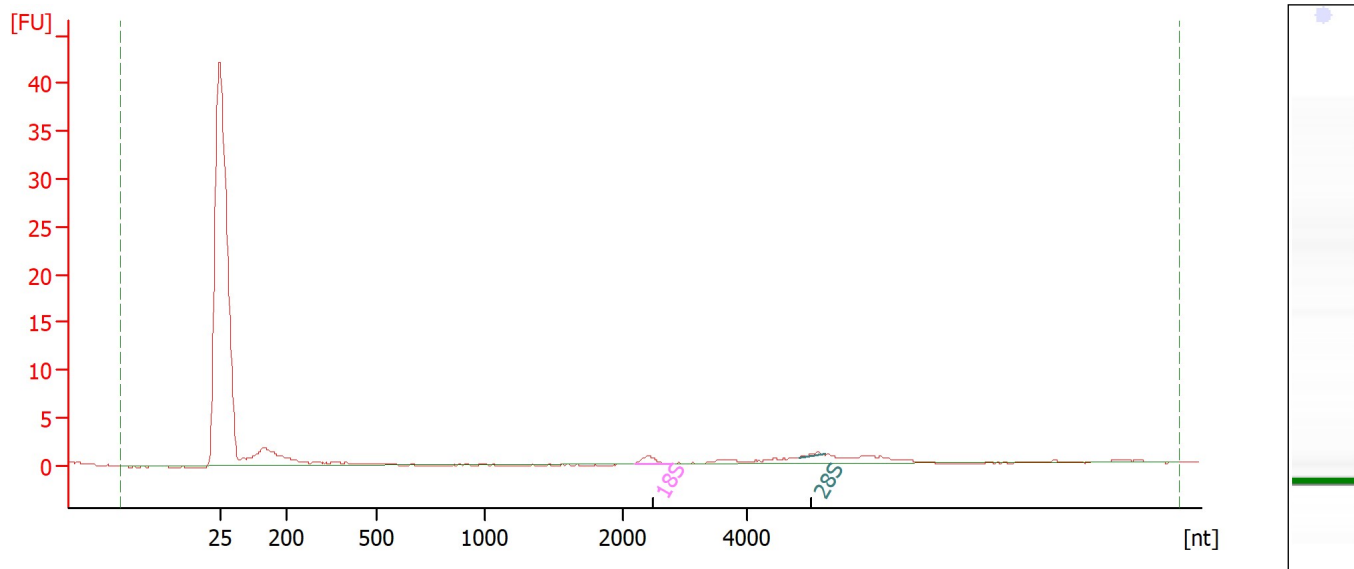
RNA Area:	22.3	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	9 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-26

**Overall Results for sample 4 : 20028R-01-26**

RNA Area:	24.3	RNA Integrity Number (RIN):	2.7 (B.02.09)
RNA Concentration:	10 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.70

Fragment table for sample 4 : 20028R-01-26

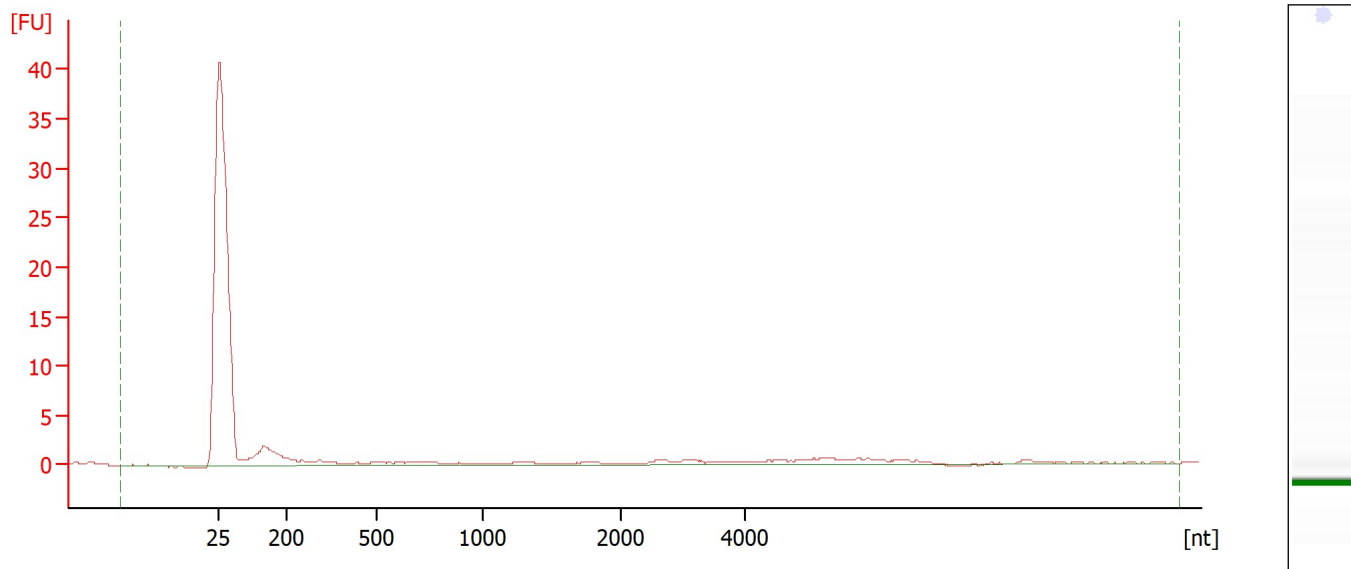
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,187	2,773	1.3	5.2
28S	4,844	5,240	0.4	1.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-27

**Overall Results for sample 5 : 20028R-01-27**

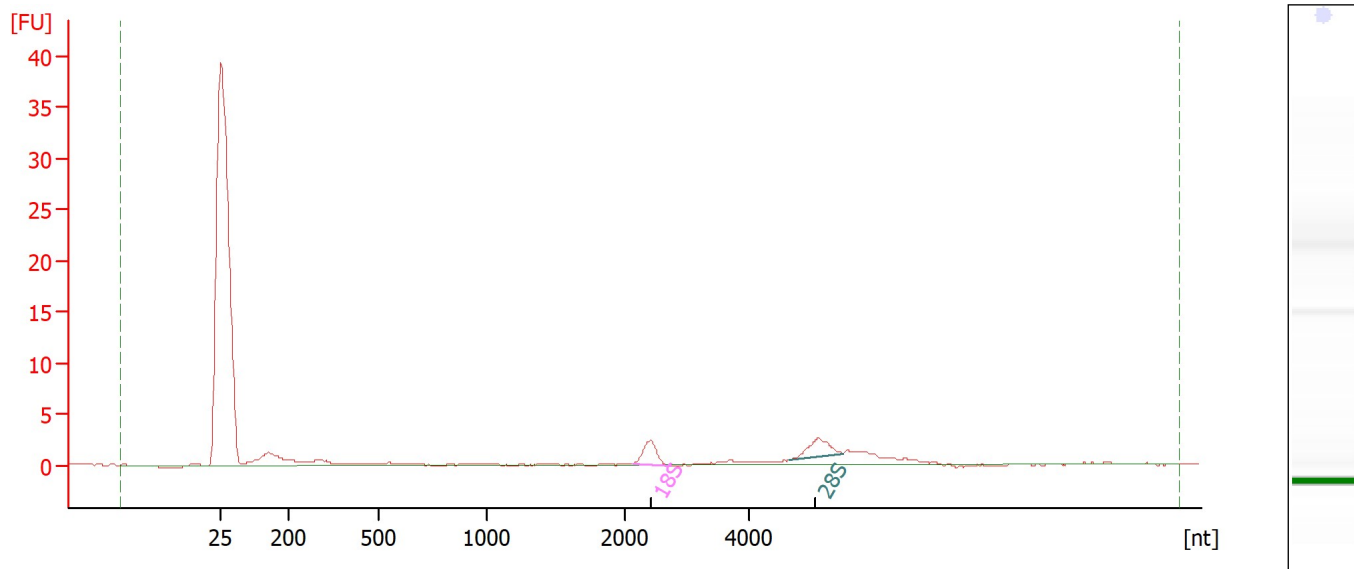
RNA Area:	28.2	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	11 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-28

**Overall Results for sample 6 : 20028R-01-28**

RNA Area:	30.5	RNA Integrity Number (RIN):	7.7 (B.02.09)
RNA Concentration:	12 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 7.70

Fragment table for sample 6 : 20028R-01-28

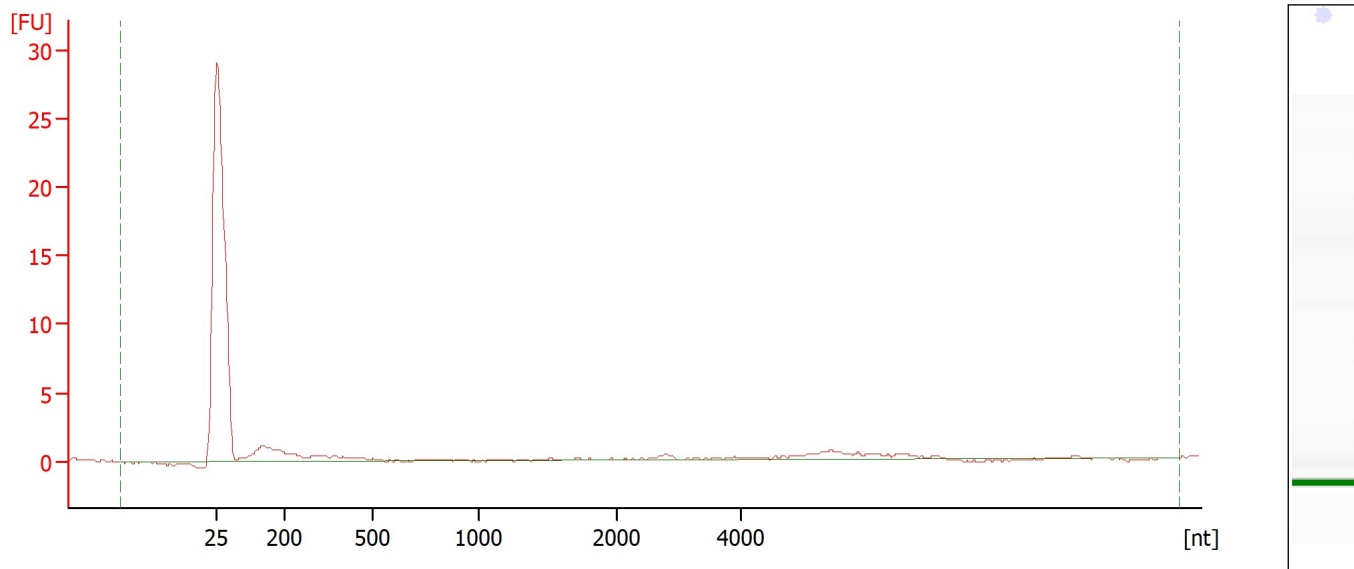
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,138	2,724	3.9	12.7
28S	4,635	5,513	3.9	12.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-29

**Overall Results for sample 7 : 20028R-01-29**

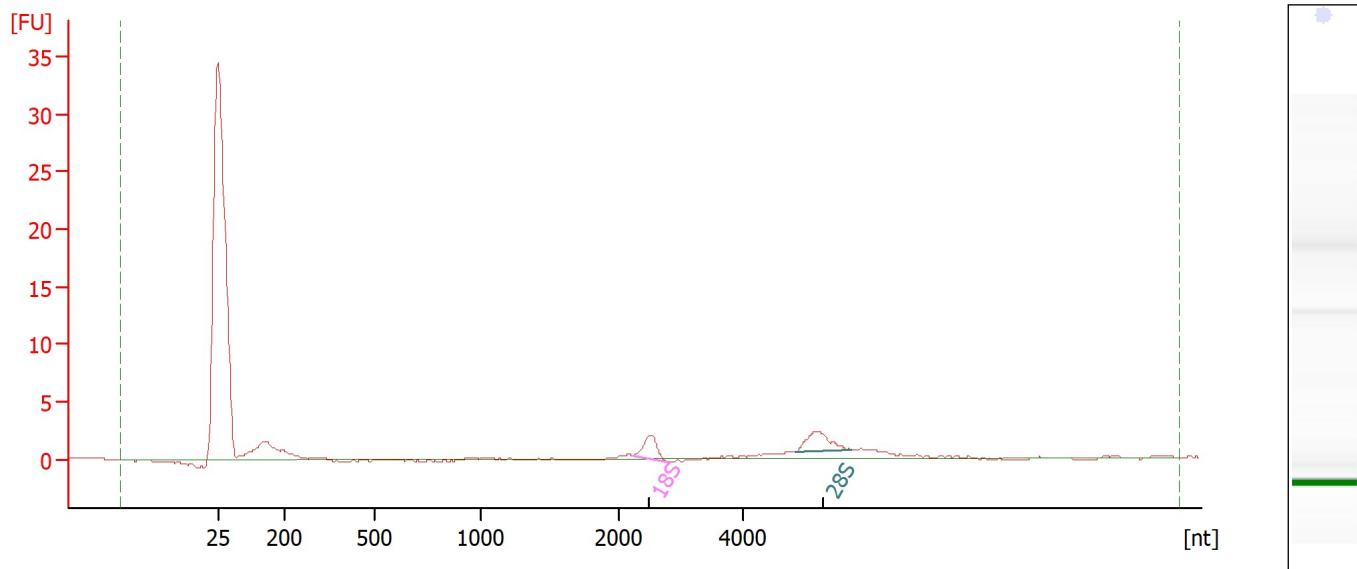
RNA Area:	16.5	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	7 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-30

**Overall Results for sample 8 : 20028R-01-30**

RNA Area:	26.9	RNA Integrity Number (RIN):	6.9 (B.02.09)
RNA Concentration:	11 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.90

Fragment table for sample 8 : 20028R-01-30

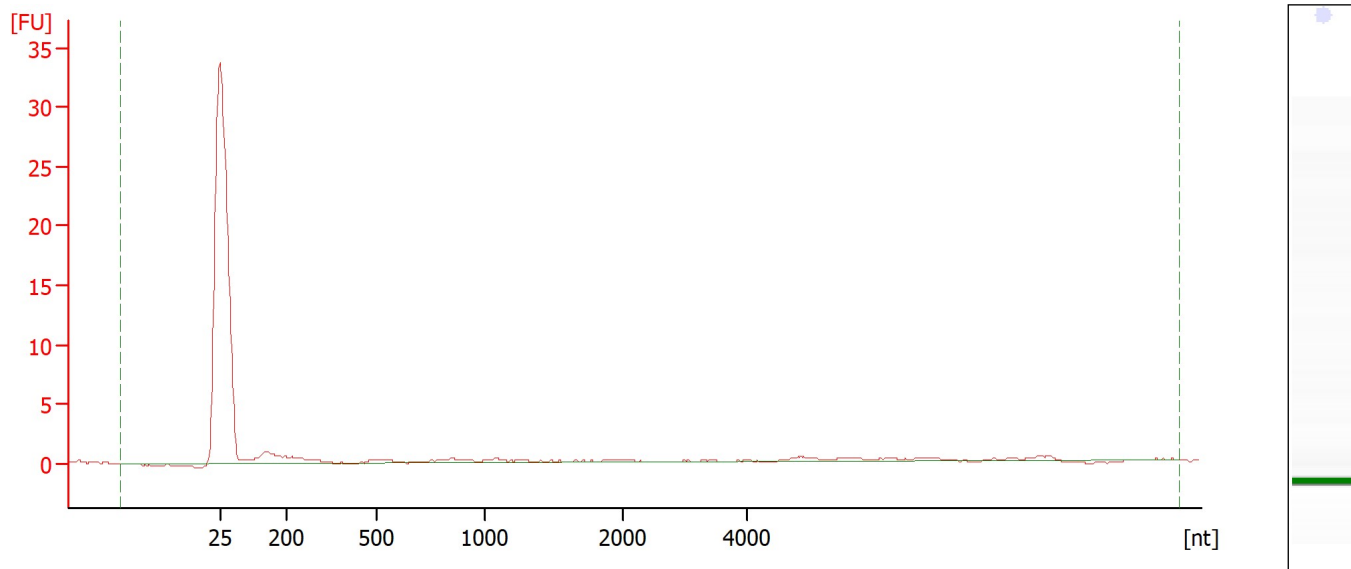
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,214	2,751	3.2	12.1
28S	4,848	5,766	4.1	15.2

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-31

**Overall Results for sample 9 : 20028R-01-31**

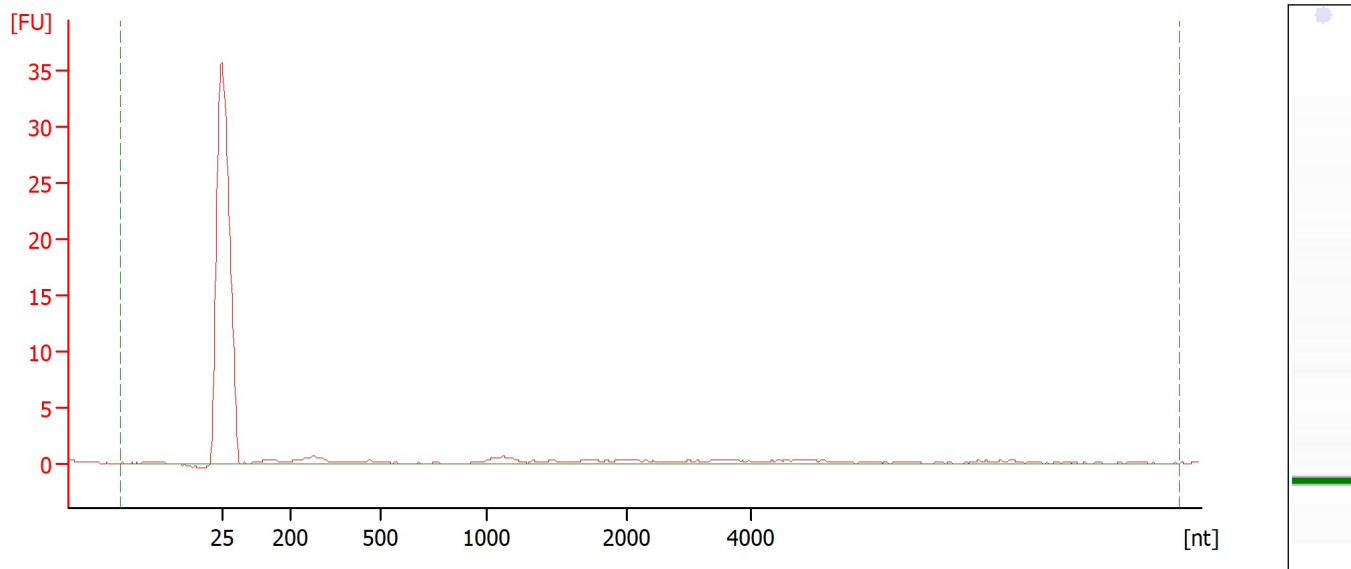
RNA Area:	16.8	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	7 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-32

**Overall Results for sample 10 : 20028R-01-32**

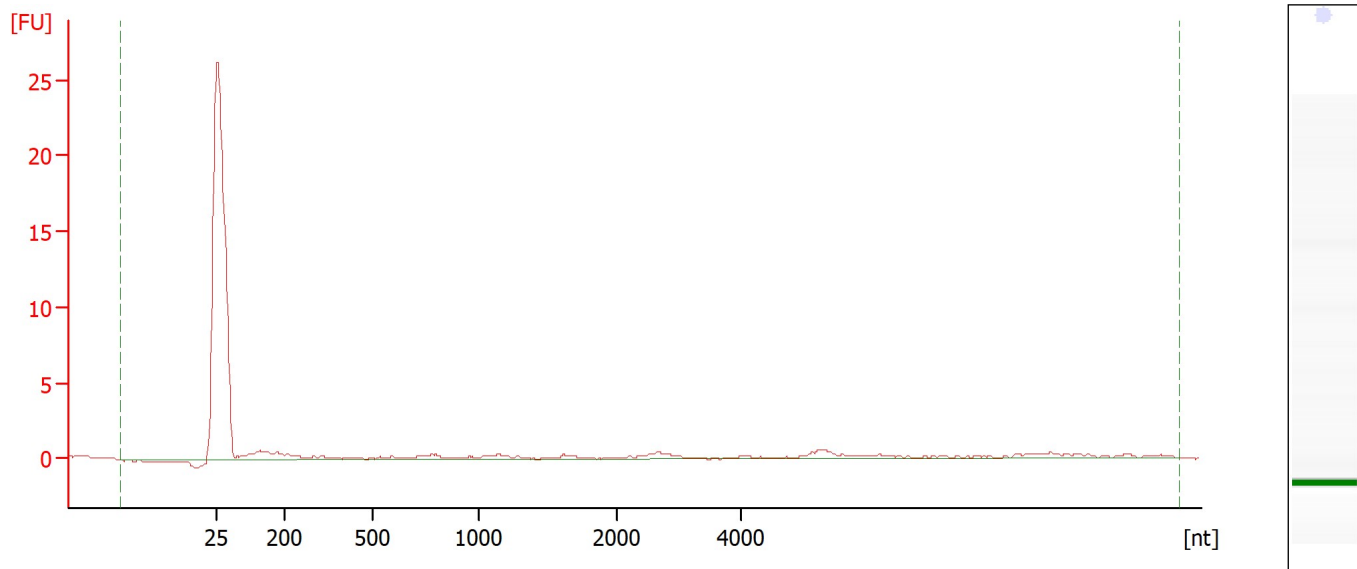
RNA Area:	16.5	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	7 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

Electropherogram Summary Continued ...

20028R-01-33

**Overall Results for sample 11 : 20028R-01-33**

RNA Area:	16.8	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	7 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-23-33-03062020.xad

Created: 3/6/2020 5:05:35 PM
Modified: 3/6/2020 5:40:33 PM

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