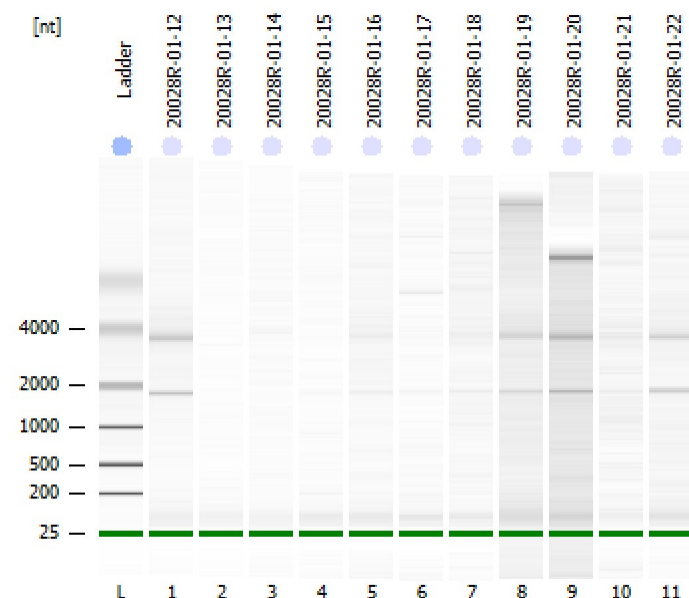


Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 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)

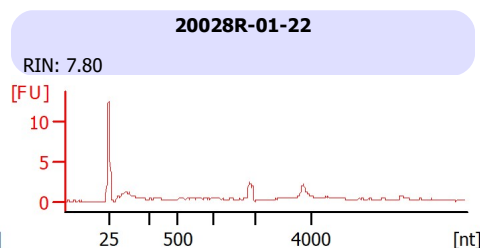
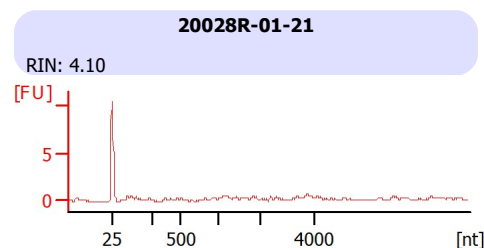
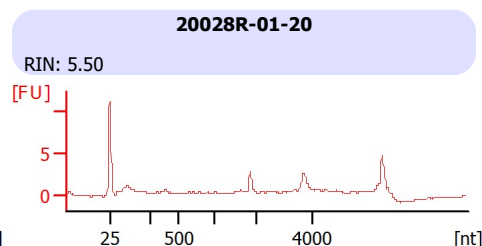
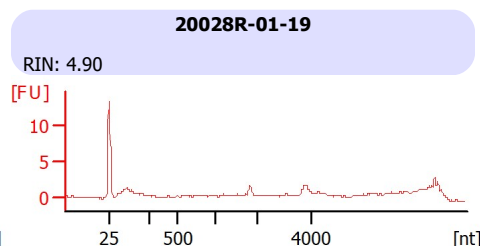
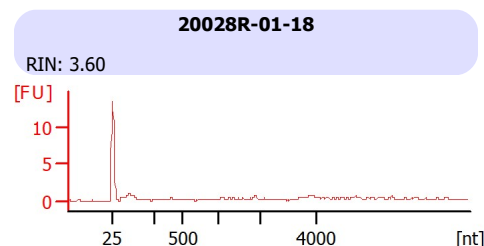
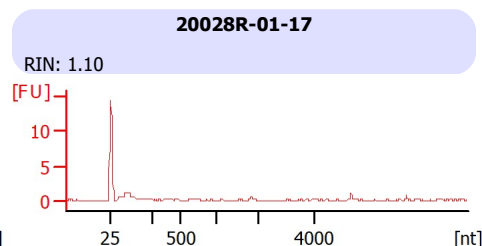
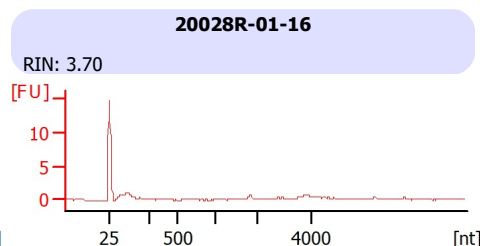
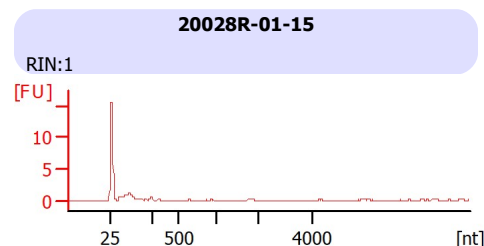
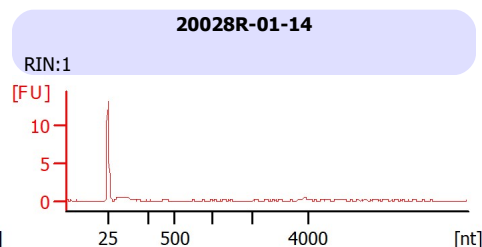
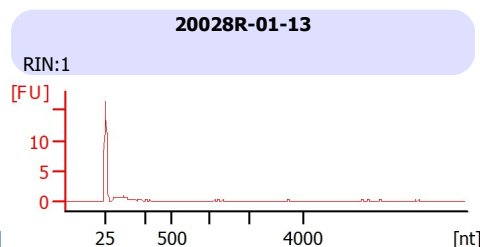
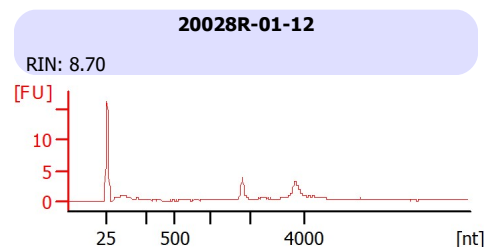
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
20028R-01-12		✓	RIN: 8.70	
20028R-01-13		✓	RIN:1	
20028R-01-14		✓	RIN:1	
20028R-01-15		✓	RIN:1	
20028R-01-16		✓	RIN: 3.70	
20028R-01-17		✓	RIN: 1.10	
20028R-01-18		✓	RIN: 3.60	
20028R-01-19		✓	RIN: 4.90	
20028R-01-20		✓	RIN: 5.50	
20028R-01-21		✓	RIN: 4.10	
20028R-01-22		✓	RIN: 7.80	
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-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 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

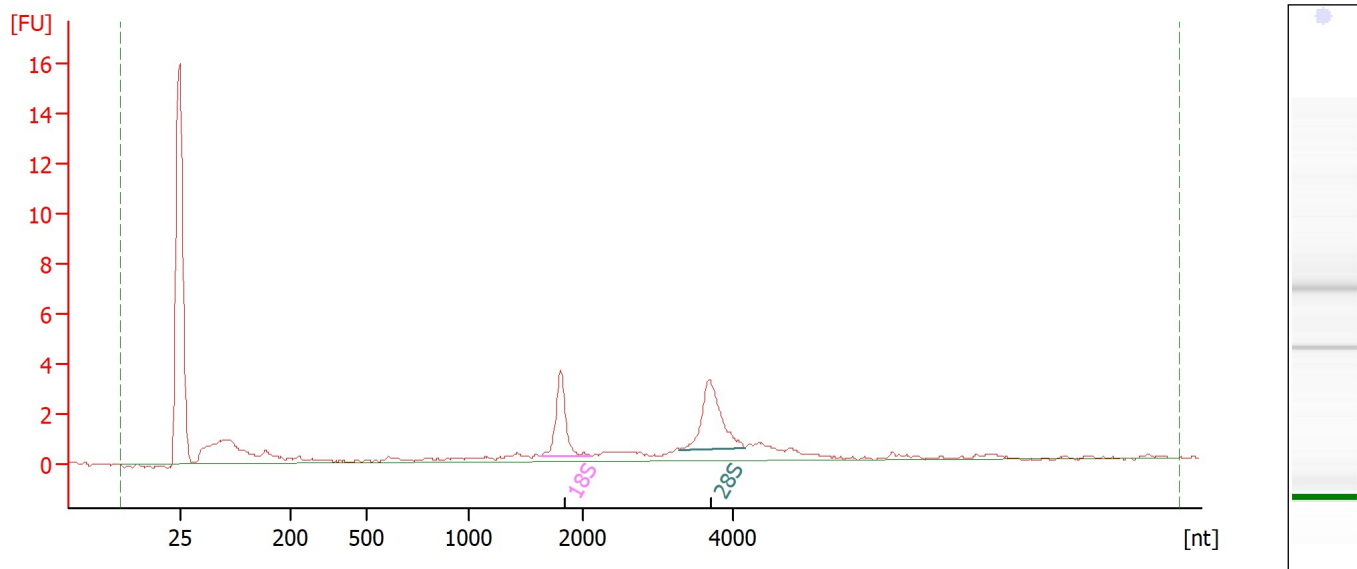
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
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Electropherogram Summary

20028R-01-12

**Overall Results for sample 1 : 20028R-01-12**

RNA Area:	37.6	RNA Integrity Number (RIN):	8.7 (B.02.09)
RNA Concentration:	330 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

Fragment table for sample 1 : 20028R-01-12

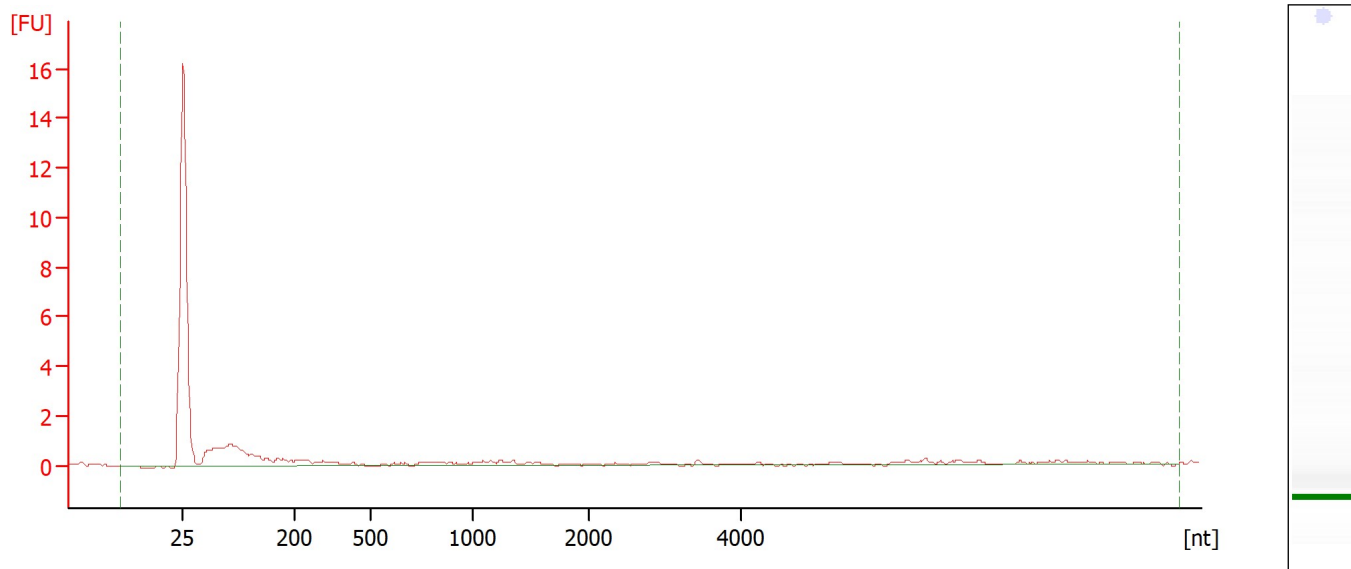
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,630	2,103	4.6	12.3
28S	3,284	4,151	6.0	16.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-13

**Overall Results for sample 2 : 20028R-01-13**

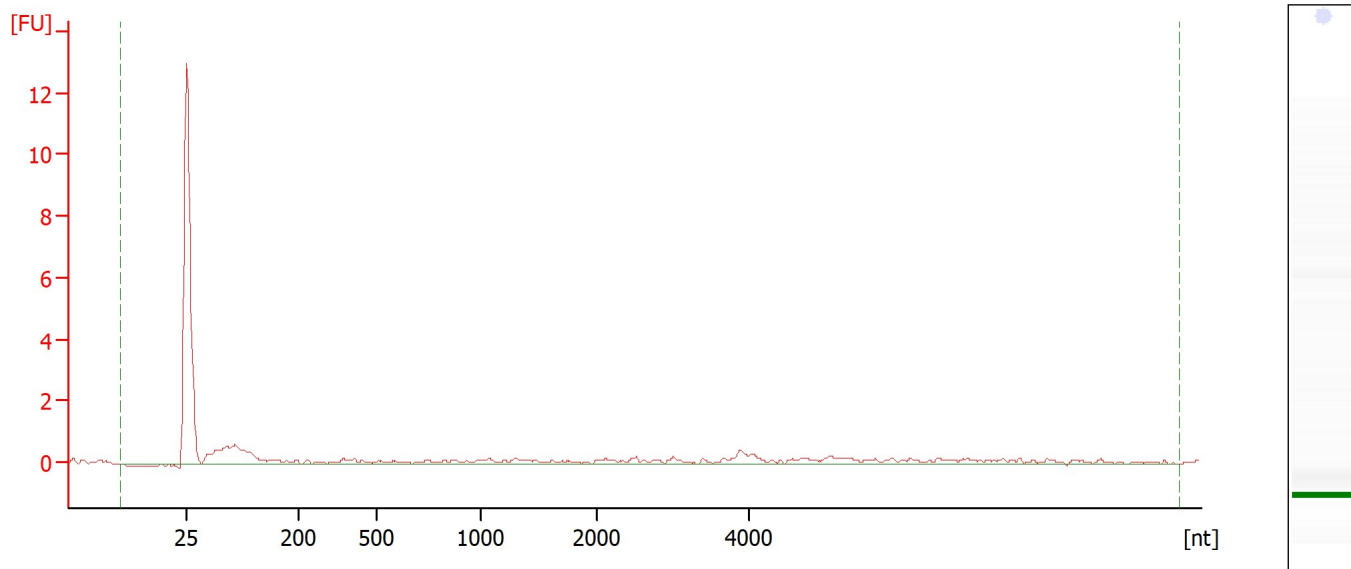
RNA Area:	18.2	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	160 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-14

**Overall Results for sample 3 : 20028R-01-14**

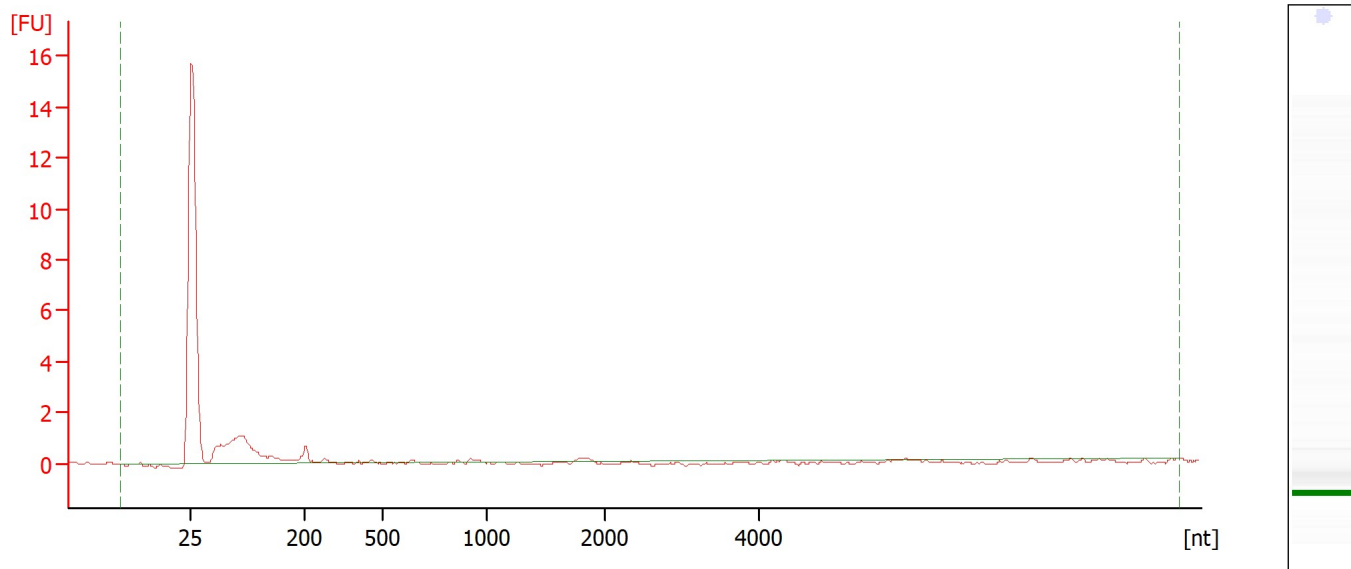
RNA Area:	17.0	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	149 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-15

**Overall Results for sample 4 : 20028R-01-15**

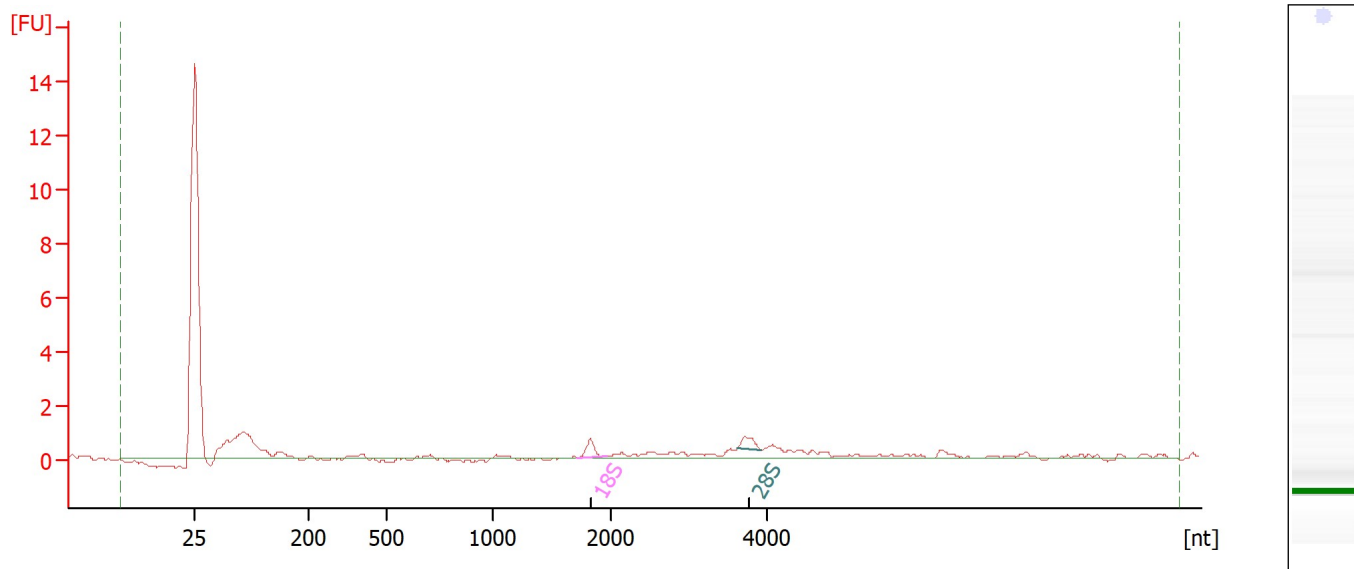
RNA Area:	10.7	RNA Integrity Number (RIN):	1 (B.02.09)
RNA Concentration:	94 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-16

**Overall Results for sample 5 : 20028R-01-16**

RNA Area:	17.6	RNA Integrity Number (RIN):	3.7 (B.02.09)
RNA Concentration:	154 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 3.70

Fragment table for sample 5 : 20028R-01-16

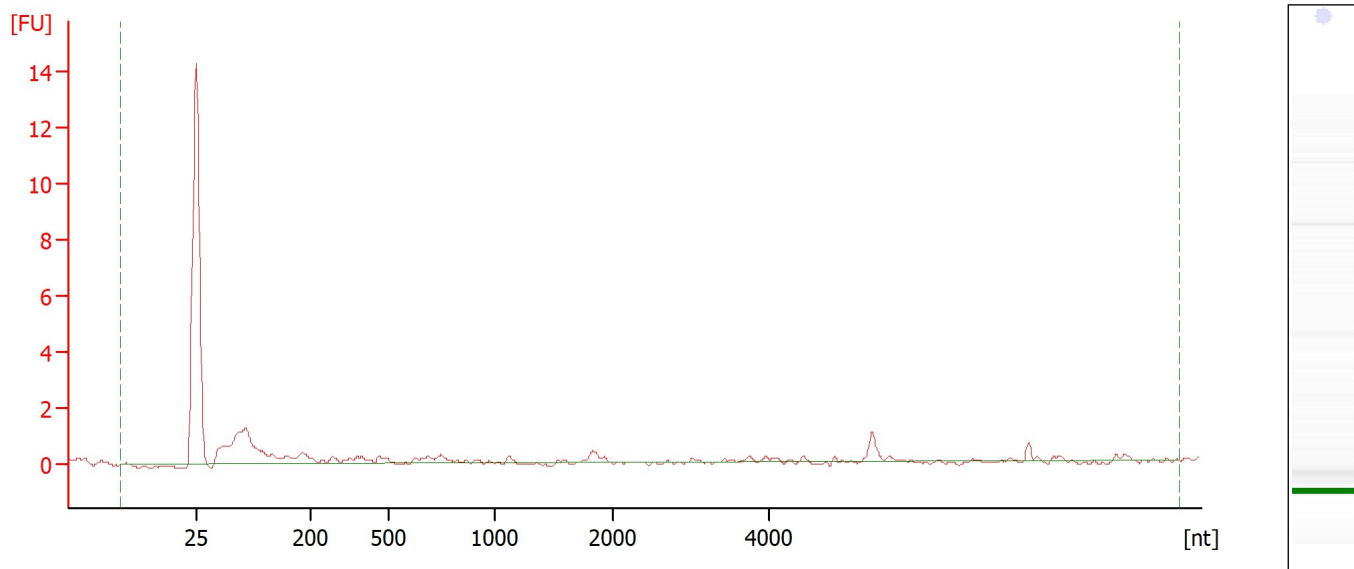
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	1,967	0.8	4.3
28S	3,632	3,922	0.6	3.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-17

**Overall Results for sample 6 : 20028R-01-17**

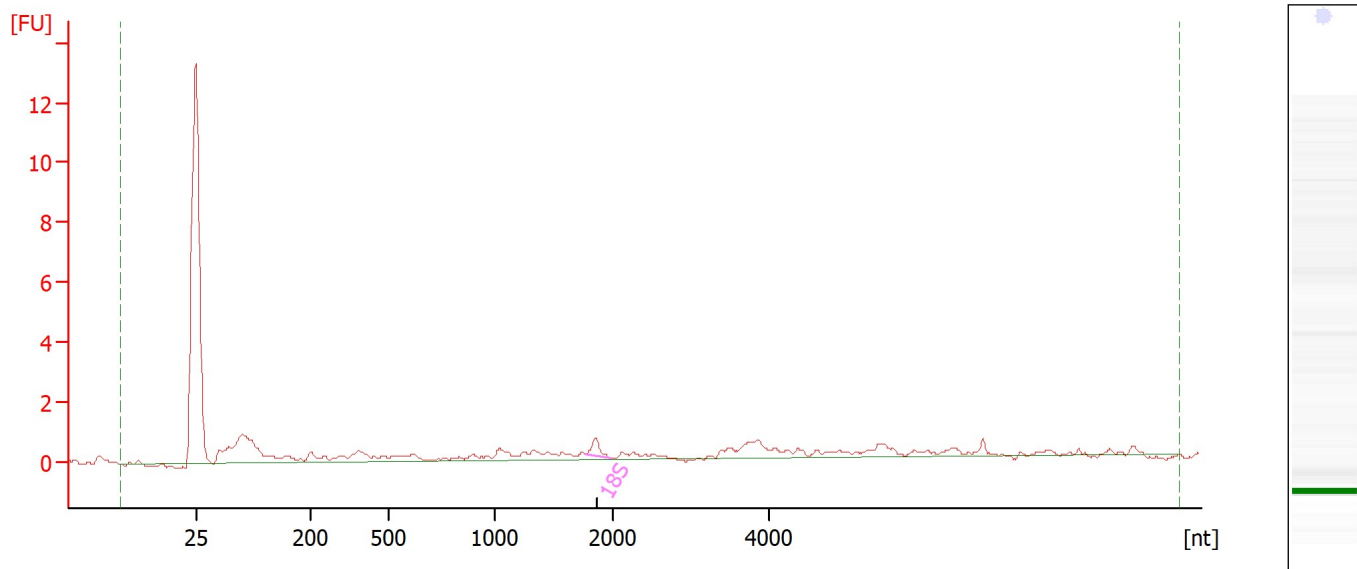
RNA Area:	15.4	RNA Integrity Number (RIN):	1.1 (B.02.09)
RNA Concentration:	135 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-18

**Overall Results for sample 7 : 20028R-01-18**

RNA Area:	24.3	RNA Integrity Number (RIN):	3.6 (B.02.09)
RNA Concentration:	213 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.60

Fragment table for sample 7 : 20028R-01-18

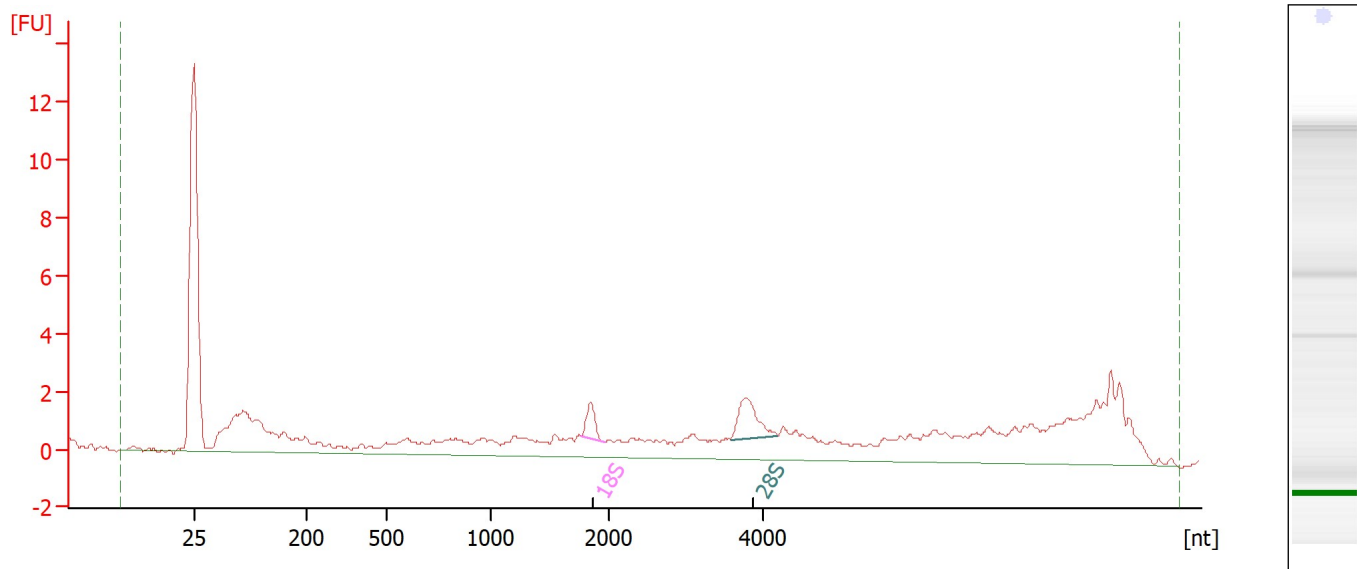
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,771	1,978	0.6	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
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Electropherogram Summary Continued ...

20028R-01-19

**Overall Results for sample 8 : 20028R-01-19**

RNA Area:	79.5	RNA Integrity Number (RIN):	4.9 (B.02.09)
RNA Concentration:	697 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 4.90

Fragment table for sample 8 : 20028R-01-19

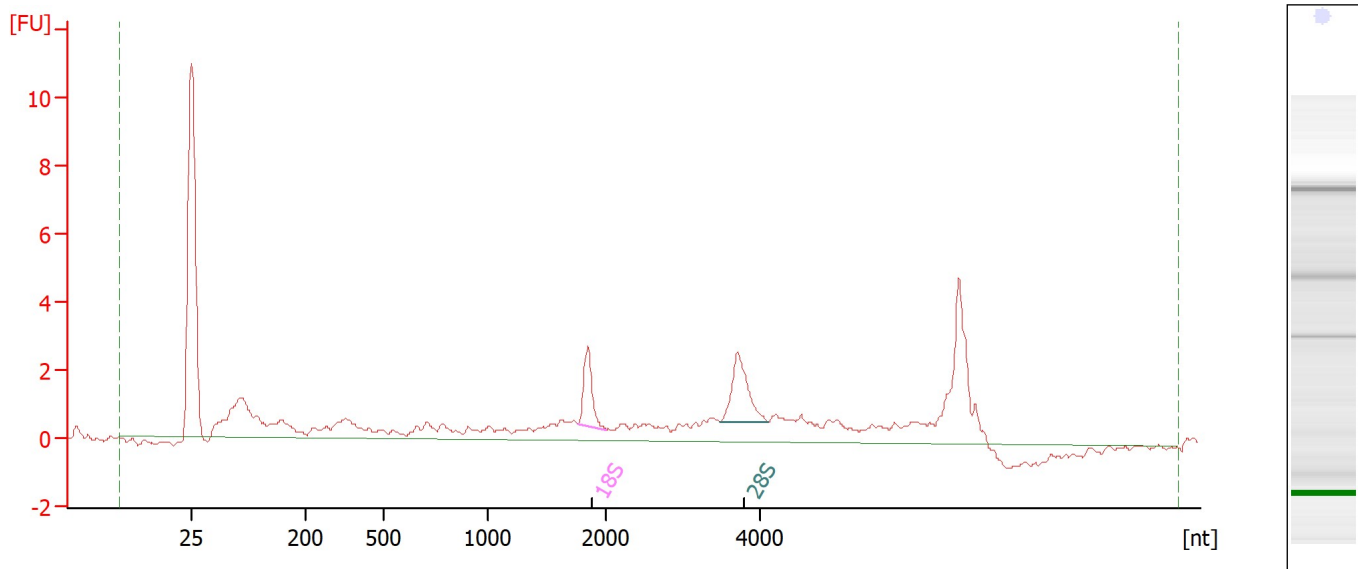
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,767	1,957	1.4	1.8
28S	3,565	4,173	2.9	3.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-20

**Overall Results for sample 9 : 20028R-01-20**

RNA Area:	53.1	RNA Integrity Number (RIN):	5.5 (B.02.09)
RNA Concentration:	465 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 5.50

Fragment table for sample 9 : 20028R-01-20

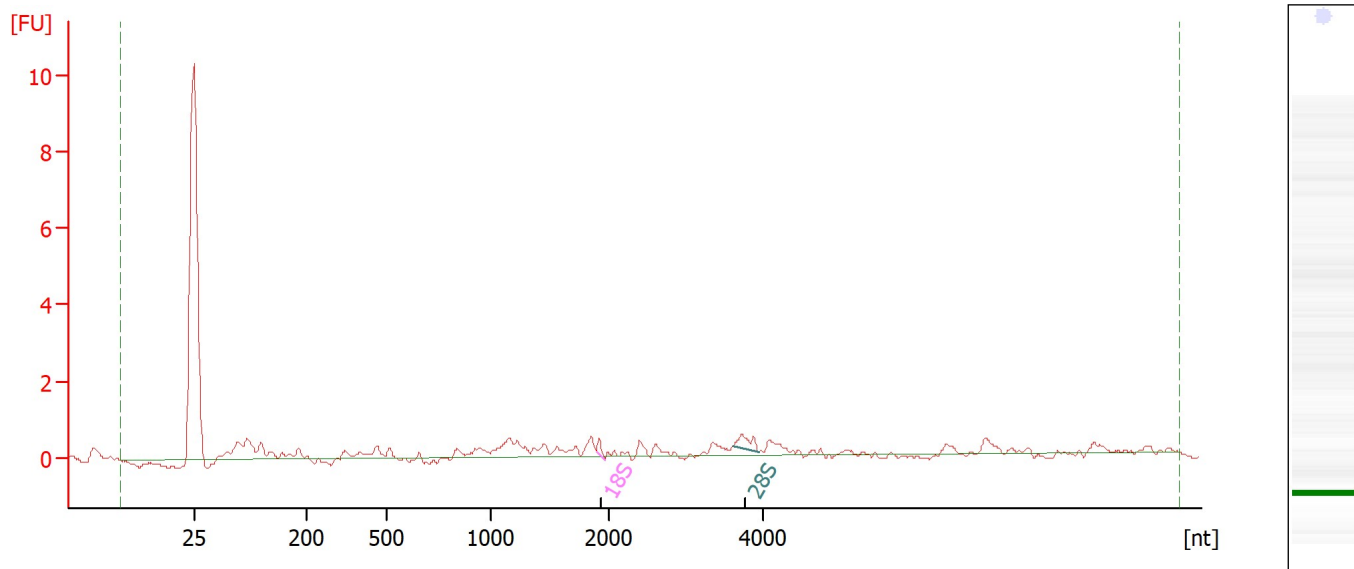
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,765	2,001	2.4	4.6
28S	3,483	4,092	3.6	6.8

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-21

**Overall Results for sample 10 : 20028R-01-21**

RNA Area:	12.8	RNA Integrity Number (RIN):	4.1 (B.02.09)
RNA Concentration:	112 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Label:	RIN: 4.10

Fragment table for sample 10 : 20028R-01-21

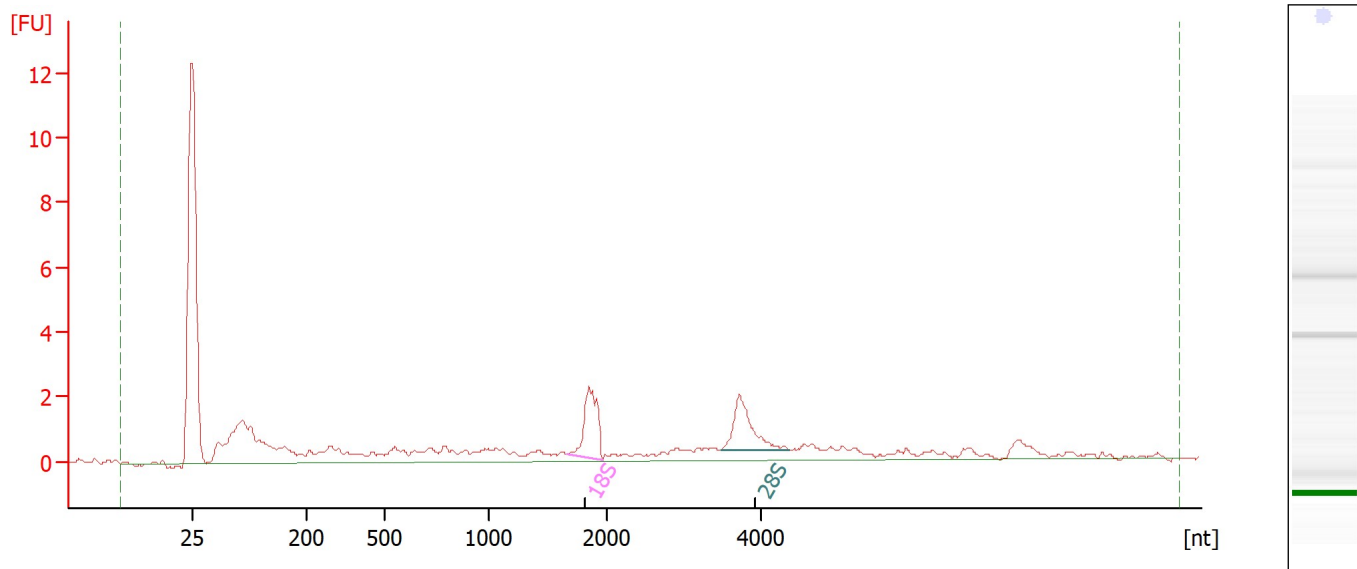
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,893	1,966	0.2	1.5
28S	3,592	3,938	0.6	4.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

Electropherogram Summary Continued ...

20028R-01-22

**Overall Results for sample 11 : 20028R-01-22**

RNA Area:	41.5	RNA Integrity Number (RIN):	7.8 (B.02.09)
RNA Concentration:	363 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.80

Fragment table for sample 11 : 20028R-01-22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,665	1,964	3.8	9.3
28S	3,469	4,369	3.5	8.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-12-22-03062020.xad

Created: 3/6/2020 3:50:33 PM
Modified: 3/6/2020 4:23:10 PM

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