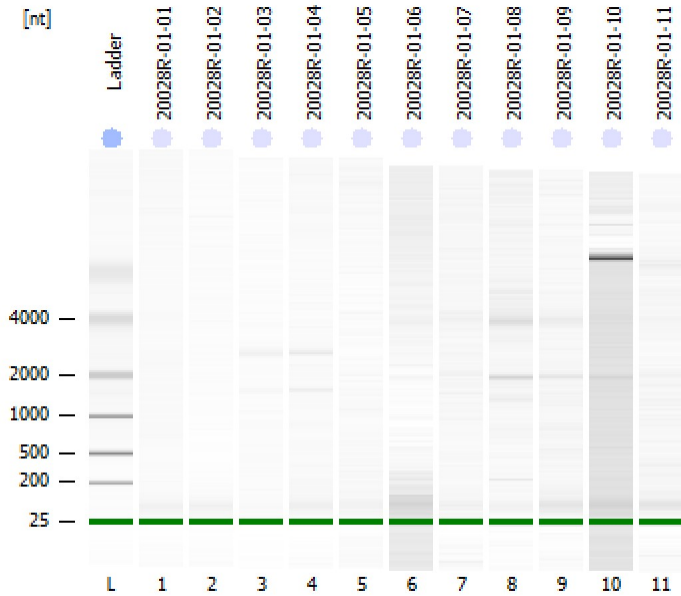


Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 PM

Electrophoresis File Run Summary



Instrument Information:

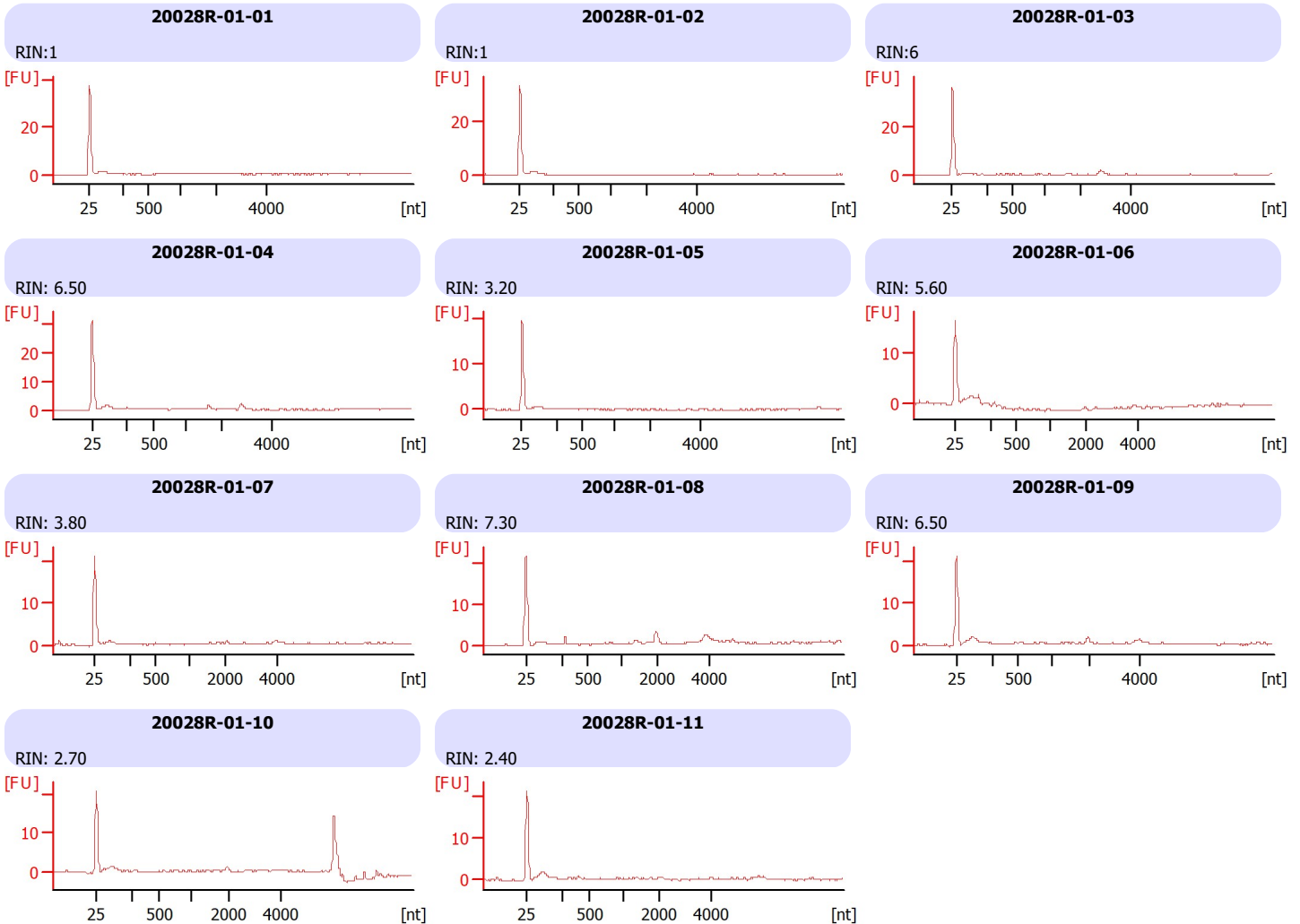
Instrument Name: DE13805576 Firmware: C.01.069
Serial#: DE13805576 Type: G2939A

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-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
20028R-01-01		✓	RIN:1	
20028R-01-02		✓	RIN:1	
20028R-01-03		✓	RIN:6	
20028R-01-04		✓	RIN: 6.50	
20028R-01-05		✓	RIN: 3.20	
20028R-01-06		✓	RIN: 5.60	
20028R-01-07		✓	RIN: 3.80	
20028R-01-08		✓	RIN: 7.30	
20028R-01-09		✓	RIN: 6.50	
20028R-01-10		✓	RIN: 2.70	
20028R-01-11		✓	RIN: 2.40	
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-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

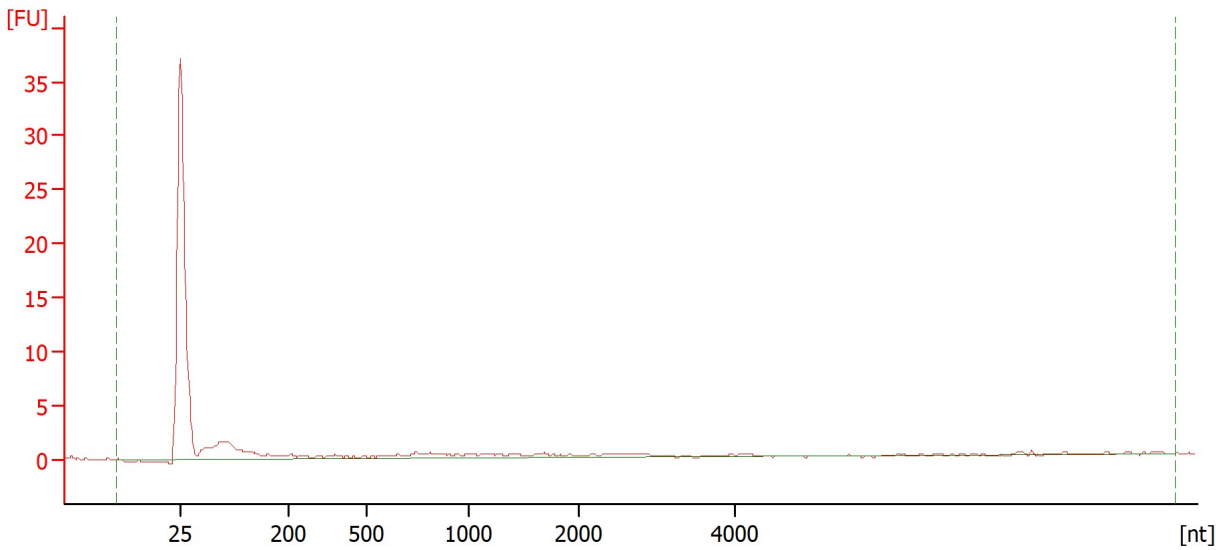
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary

20028R-01-01



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

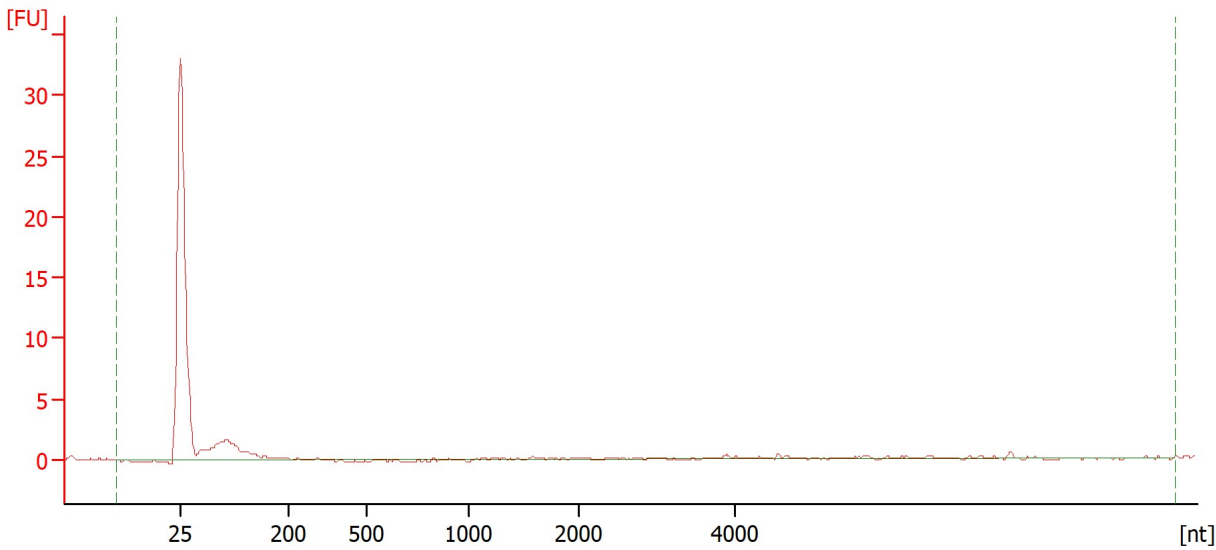
RNA Area:	24.5	RNA Integrity Number (RIN):	1 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	154 µg/µl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...

20028R-01-02



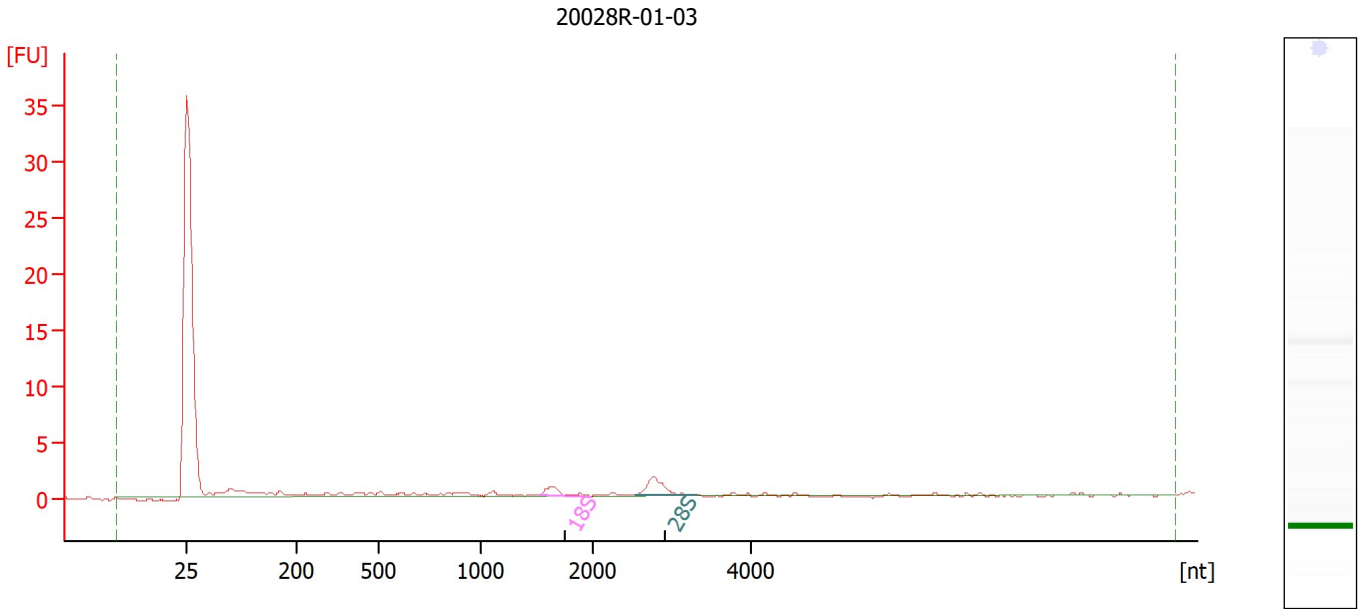
Overall Results for sample 2 : 20028R-01-02

RNA Area:	13.6	RNA Integrity Number (RIN):	1 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	85 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 20028R-01-03

RNA Area:	23.0	RNA Integrity Number (RIN):	6 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	145 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN:6

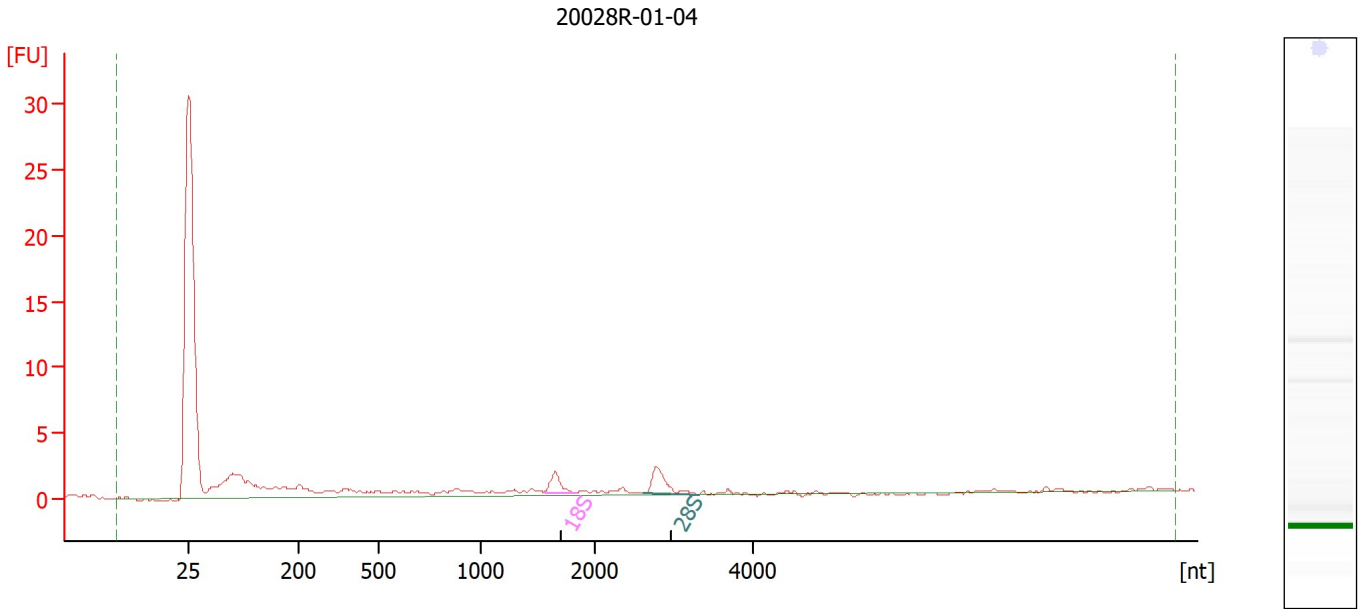
Fragment table for sample 3 : 20028R-01-03

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,521	1,974	1.9	8.1
28S	2,533	3,305	3.4	14.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 20028R-01-04

RNA Area:	41.9	RNA Integrity Number (RIN):	6.5 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	264 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 6.50

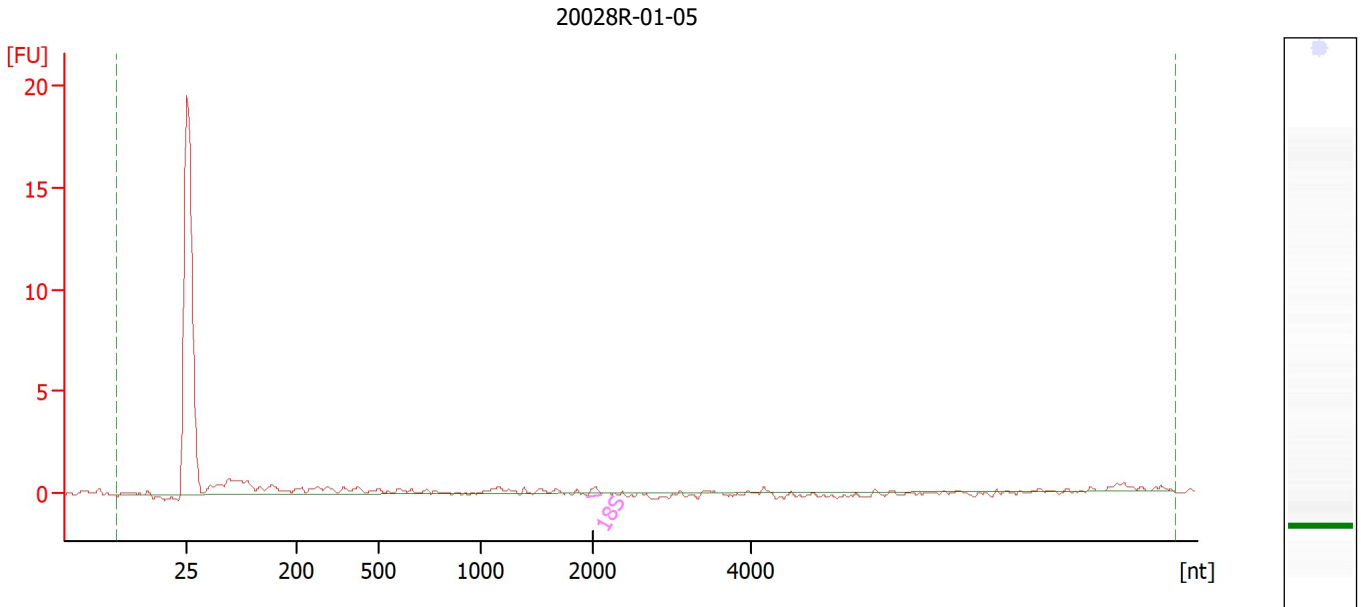
Fragment table for sample 4 : 20028R-01-04

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,835	2.1	5.0
28S	2,601	3,304	3.6	8.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 20028R-01-05

RNA Area:	17.6	RNA Integrity Number (RIN):	3.2 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	111 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 3.20

Fragment table for sample 5 : 20028R-01-05

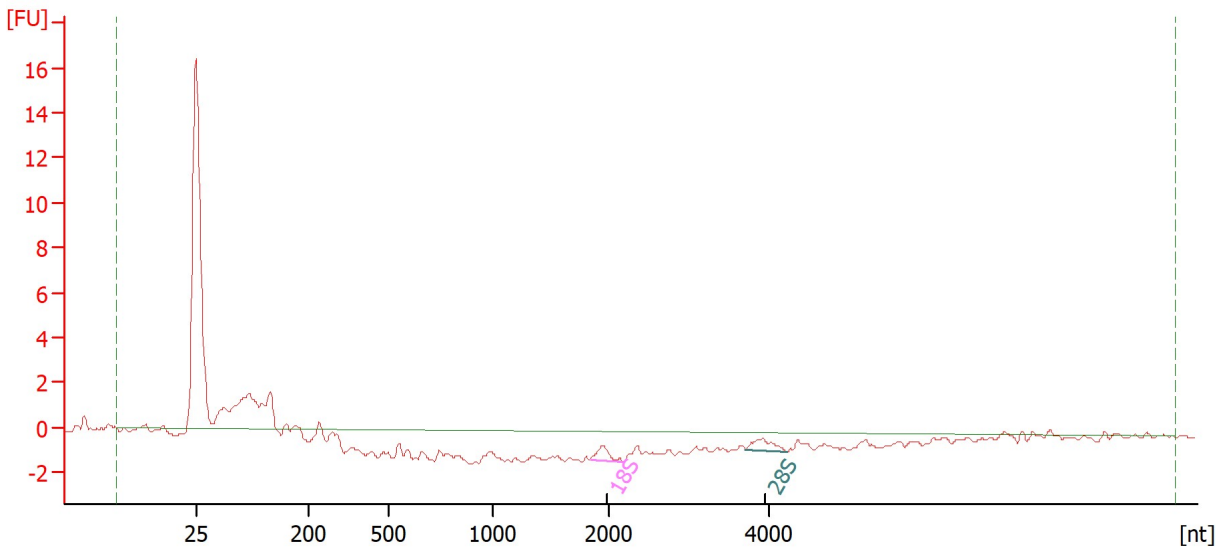
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,946	2,099	0.4	2.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...

20028R-01-06



Overall Results for sample 6 : 20028R-01-06

RNA Area:	12.5	RNA Integrity Number (RIN):	5.6 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	79 pg/μl		
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 5.60

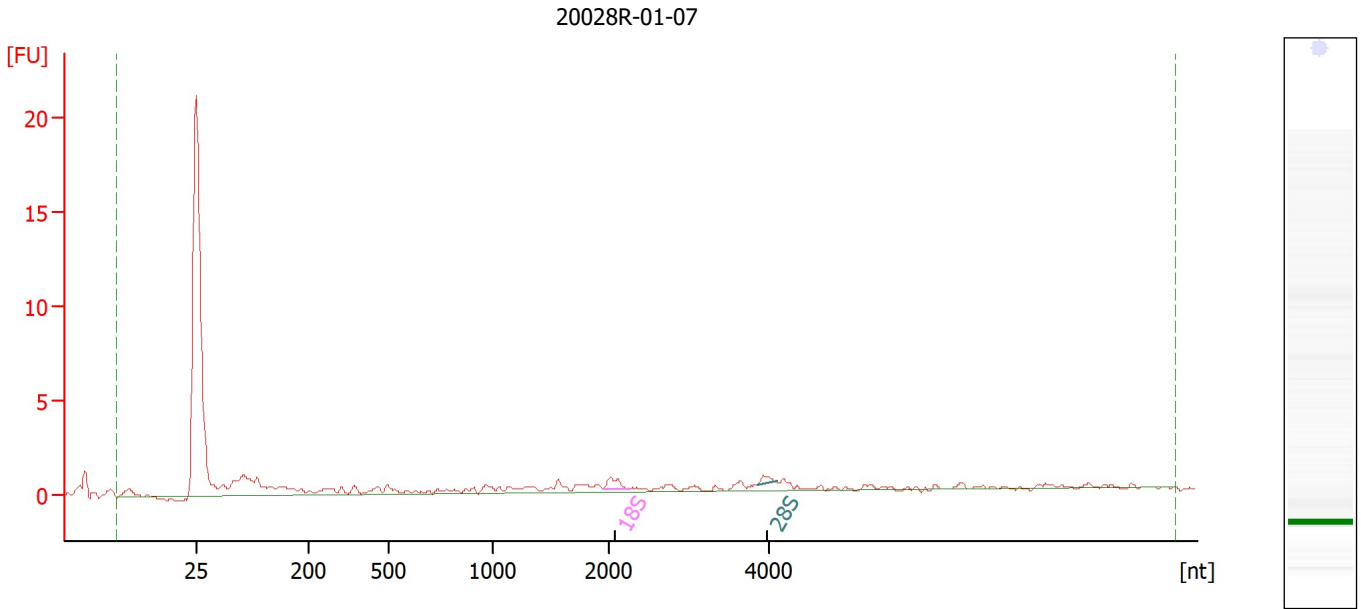
Fragment table for sample 6 : 20028R-01-06

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,839	2,182	1.1	8.8
28S	3,700	4,219	1.1	9.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

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Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 20028R-01-07

RNA Area: 27.3 RNA Integrity Number (RIN): 3.8 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration: 172 pg/μl
rRNA Ratio [28s / 18s]: 0.5
Result Flagging Color:
Result Flagging Label: RIN: 3.80

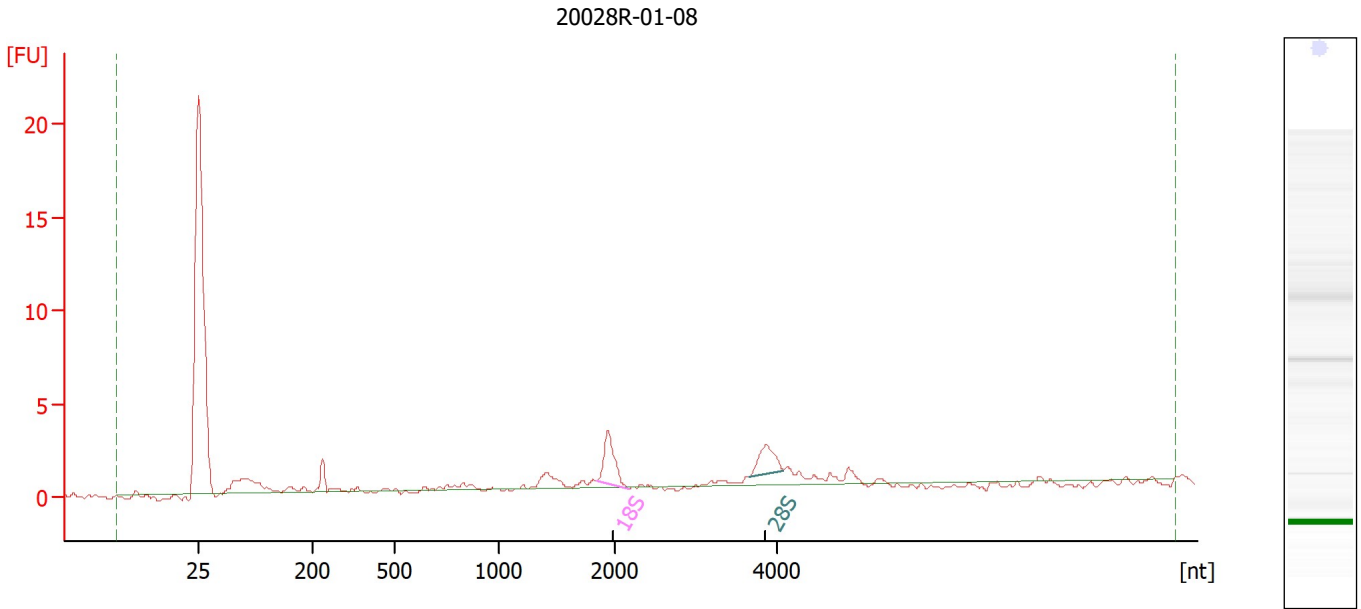
Fragment table for sample 7 : 20028R-01-07

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,950	2,248	0.9	3.2
28S	3,833	4,086	0.4	1.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 20028R-01-08

RNA Area:	26.5	RNA Integrity Number (RIN):	7.3 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	167 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.30

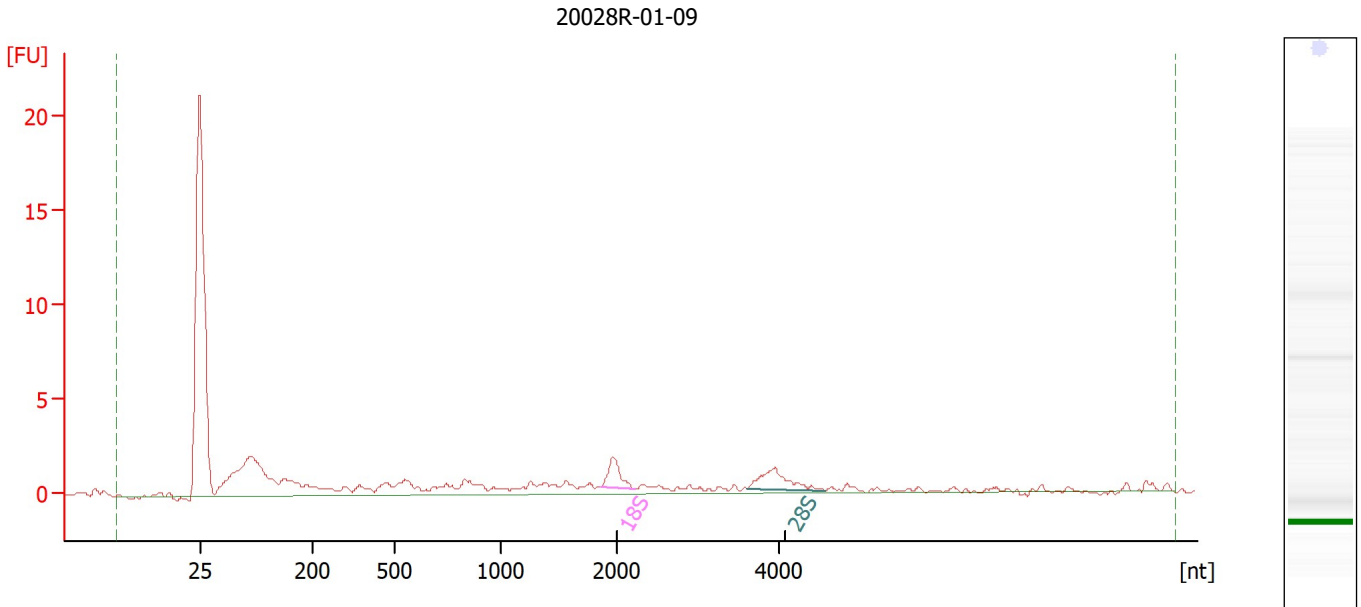
Fragment table for sample 8 : 20028R-01-08

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,844	2,174	3.8	14.3
28S	3,669	4,093	2.7	10.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 20028R-01-09

RNA Area:	50.8	RNA Integrity Number (RIN):	6.5 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	320 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.50

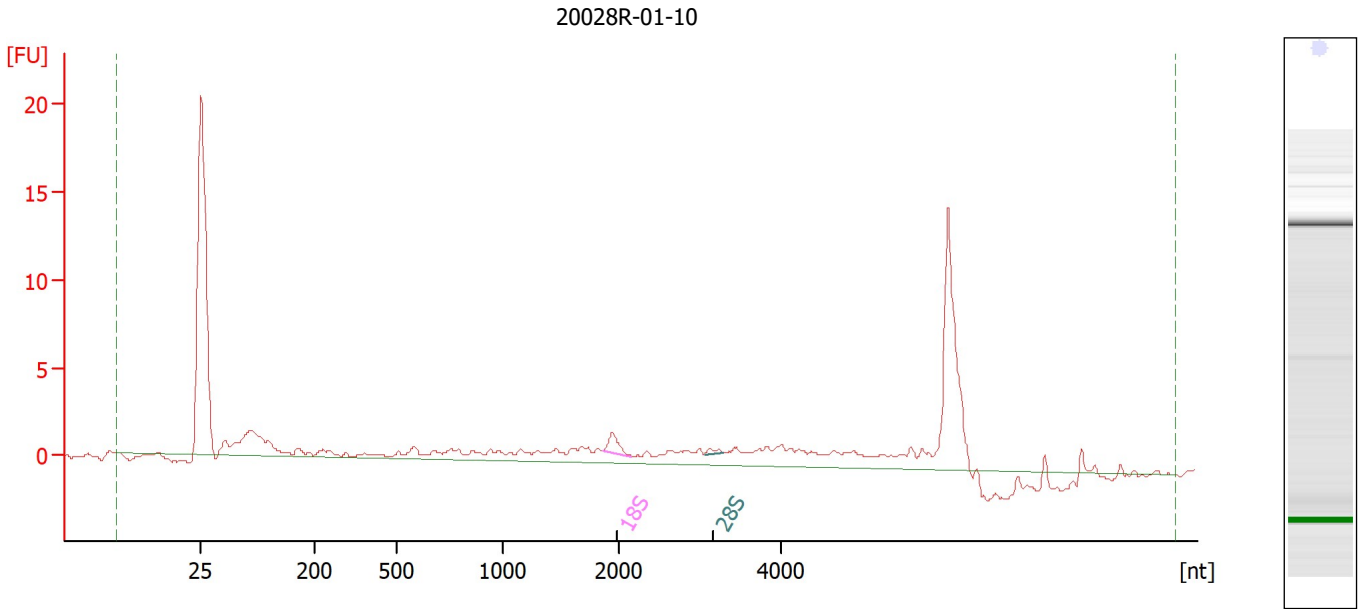
Fragment table for sample 9 : 20028R-01-09

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,855	2,229	2.4	4.7
28S	3,602	4,579	3.1	6.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



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

RNA Area:	69.4	RNA Integrity Number (RIN):	2.7 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	437 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.70

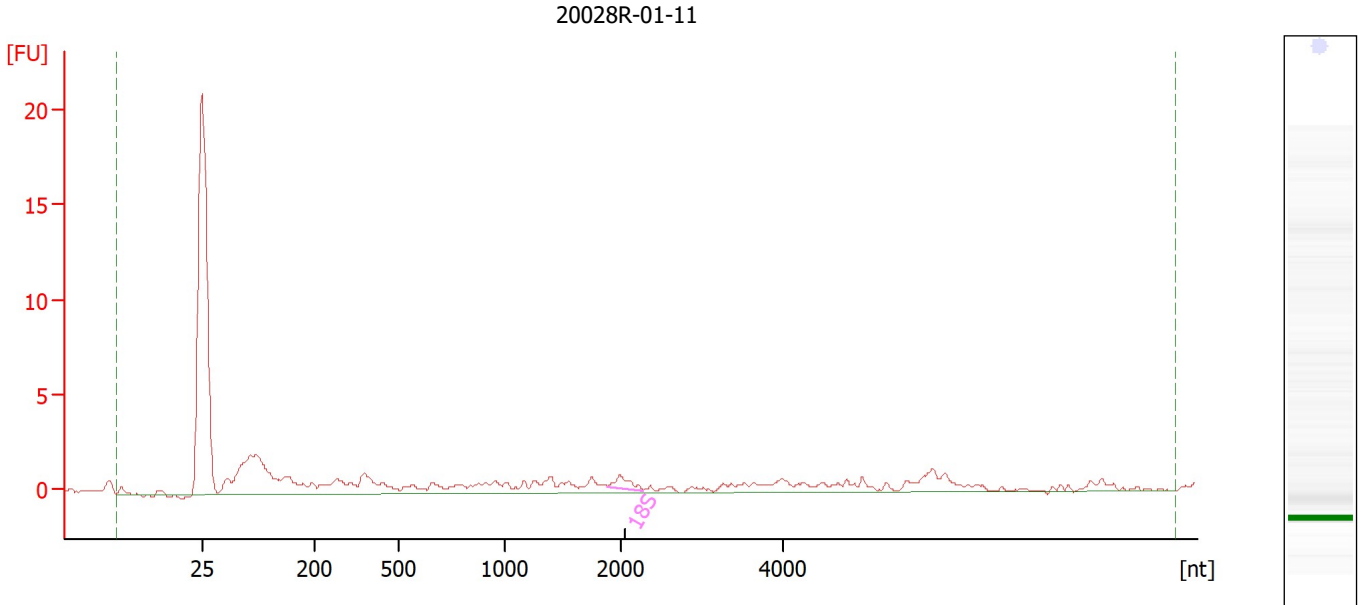
Fragment table for sample 10 : 20028R-01-10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,866	2,151	1.4	2.0
28S	3,060	3,297	0.3	0.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
 Modified: 3/6/2020 4:07:02 PM

Electropherogram Summary Continued ...



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

RNA Area:	49.6	RNA Integrity Number (RIN):	2.4 (B.02.09, Anomaly Threshold(s) manually adapted)
RNA Concentration:	312 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

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

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,887	2,285	1.2	2.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-01-11-03062020.xad

Created: 3/6/2020 3:37:56 PM
Modified: 3/6/2020 4:07:02 PM

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