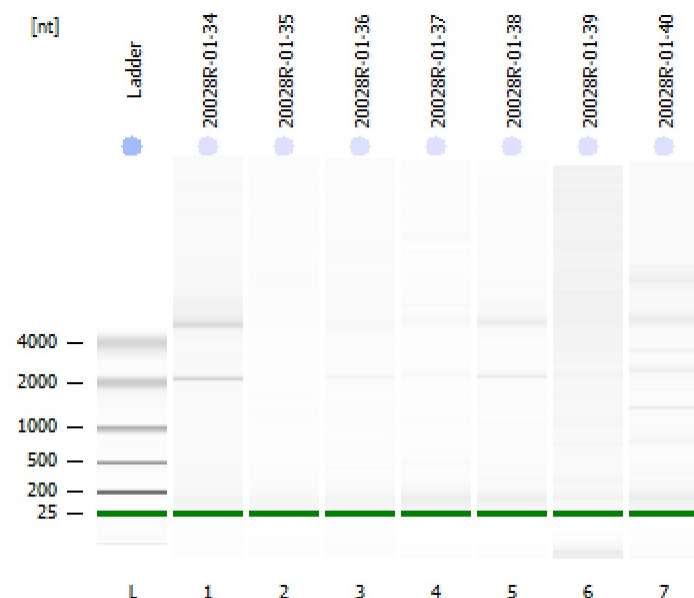


Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13805576
Serial#: DE13805576

Firmware: C.01.069
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:

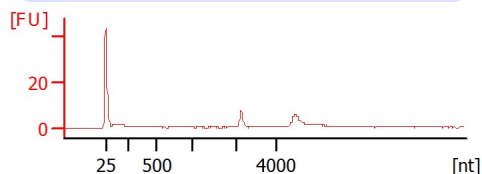
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

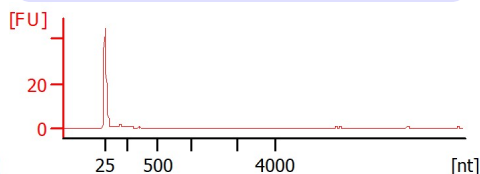
20028R-01-34

RIN: 8.70



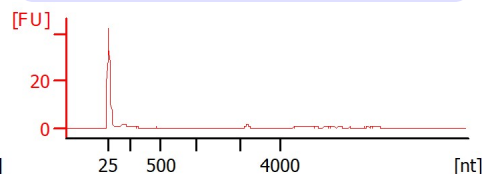
20028R-01-35

RIN: 1



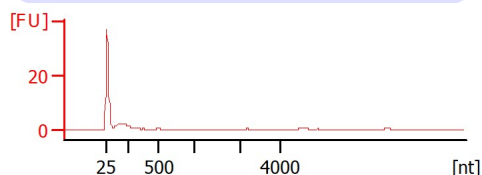
20028R-01-36

RIN: 5.10



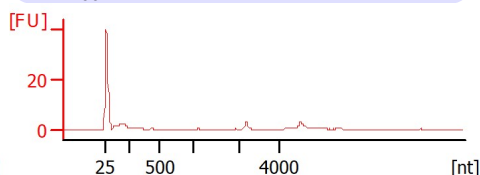
20028R-01-37

RIN: 2



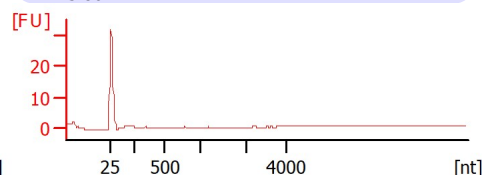
20028R-01-38

RIN: 7.60



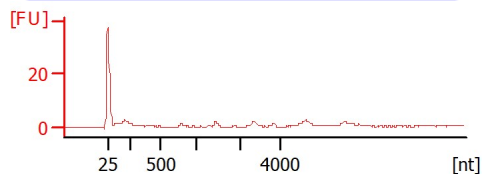
20028R-01-39

RIN: 3.80



20028R-01-40

RIN: 6.50



Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
20028R-01-34		✓	RIN: 8.70	
20028R-01-35		✓	RIN:1	
20028R-01-36		✓	RIN: 5.10	
20028R-01-37		✓	RIN:2	
20028R-01-38		✓	RIN: 7.60	
20028R-01-39		✓	RIN: 3.80	
20028R-01-40		✓	RIN: 6.50	
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-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 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

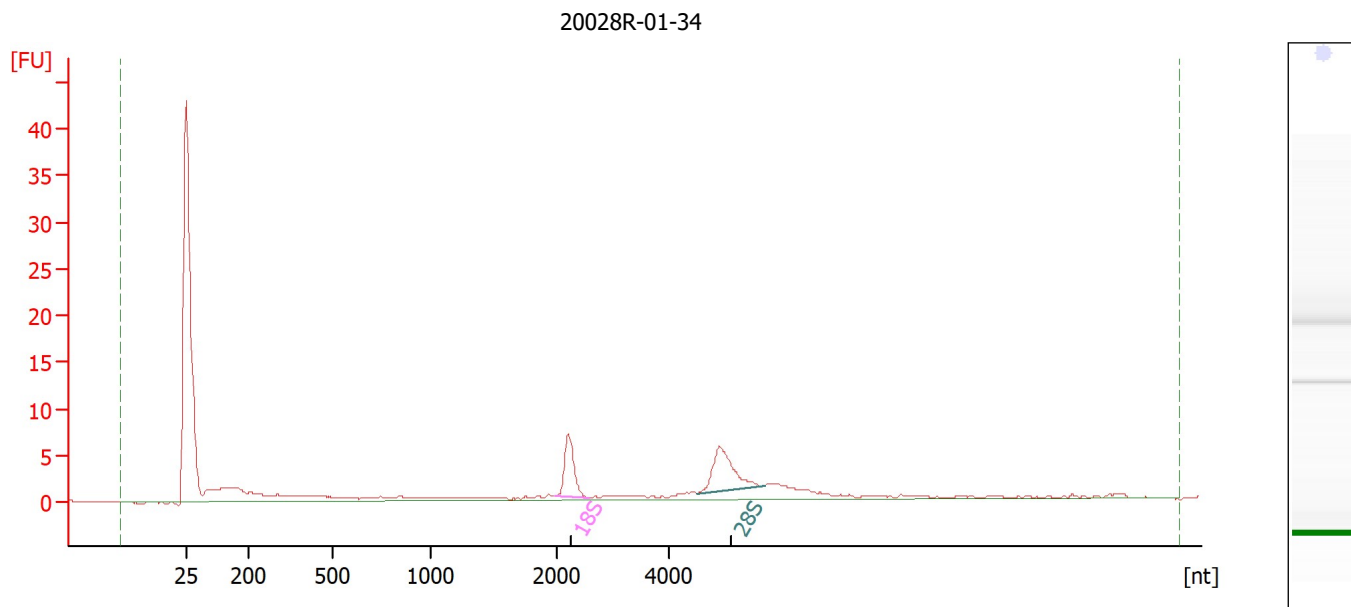
Filter Width [s] : 0.5
Polynomial Order : 4

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-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary**Overall Results for sample 1 : 20028R-01-34**

RNA Area:	82.7	RNA Integrity Number (RIN):	8.7 (B.02.09)
RNA Concentration:	39 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

Fragment table for sample 1 : 20028R-01-34

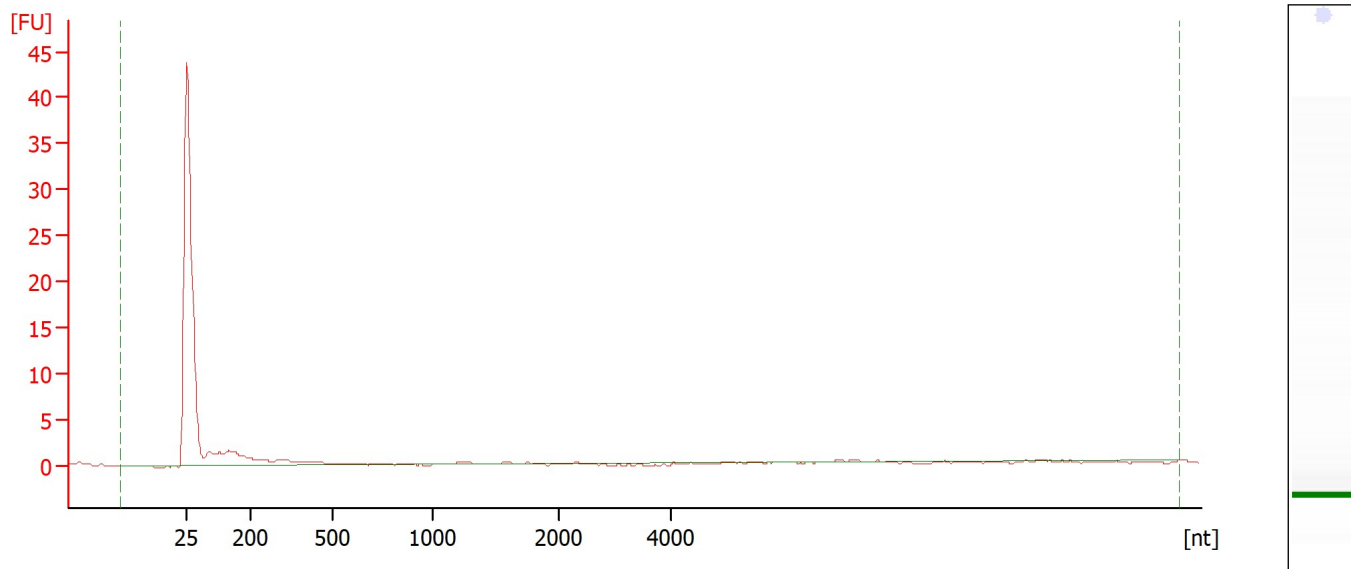
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,978	2,550	8.4	10.1
28S	4,521	5,738	10.6	12.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary Continued ...

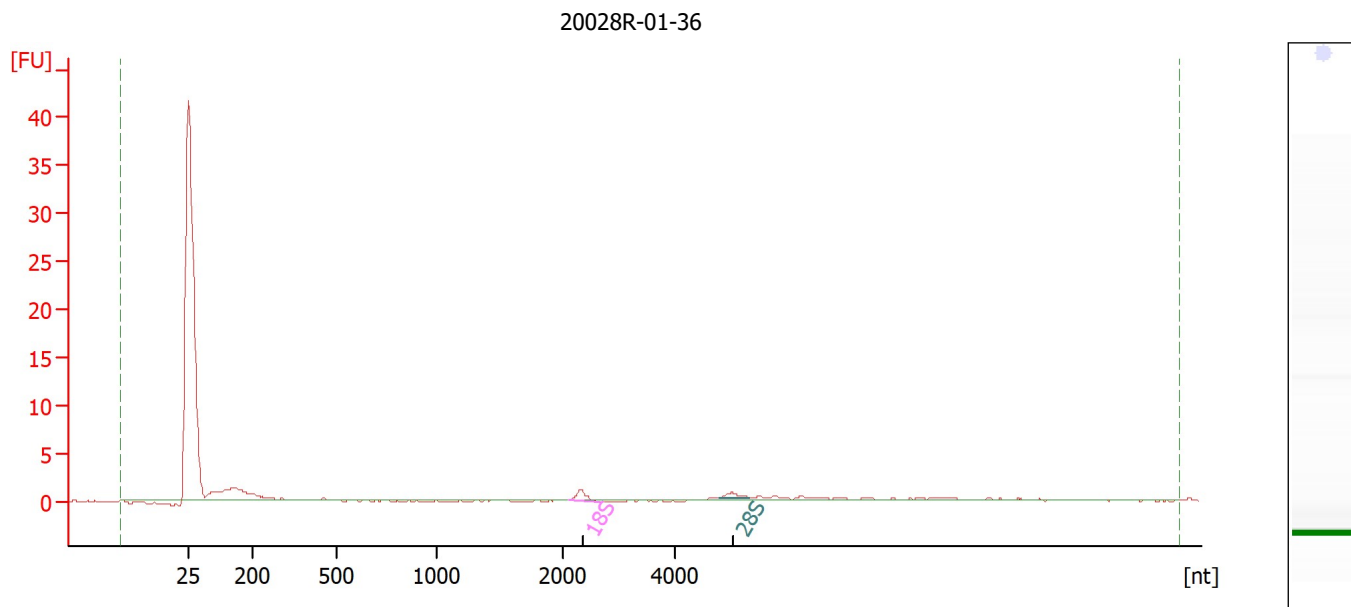
20028R-01-35

**Overall Results for sample 2 : 20028R-01-35**

RNA Area:	22.6	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-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 20028R-01-36**

RNA Area:	19.0	RNA Integrity Number (RIN):	5.1 (B.02.09)
RNA Concentration:	9 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.10

Fragment table for sample 3 : 20028R-01-36

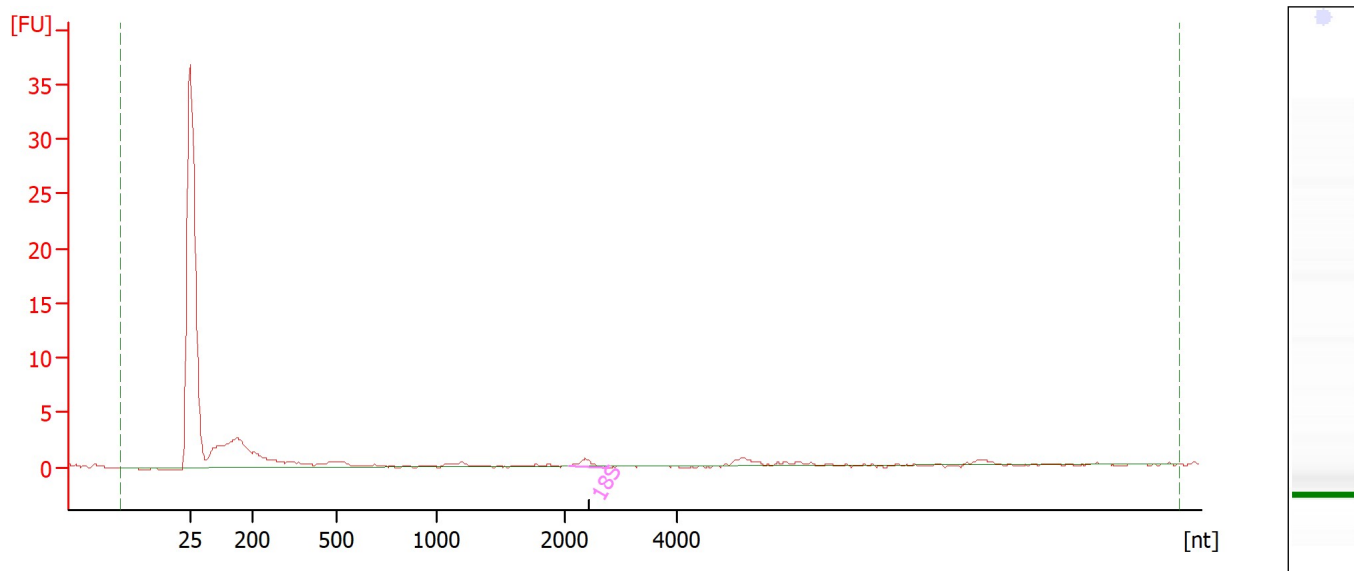
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,099	2,637	1.5	7.8
28S	4,786	5,343	0.8	4.4

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary Continued ...

20028R-01-37

**Overall Results for sample 4 : 20028R-01-37**

RNA Area:	37.7	RNA Integrity Number (RIN):	2 (B.02.09)
RNA Concentration:	18 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 4 : 20028R-01-37

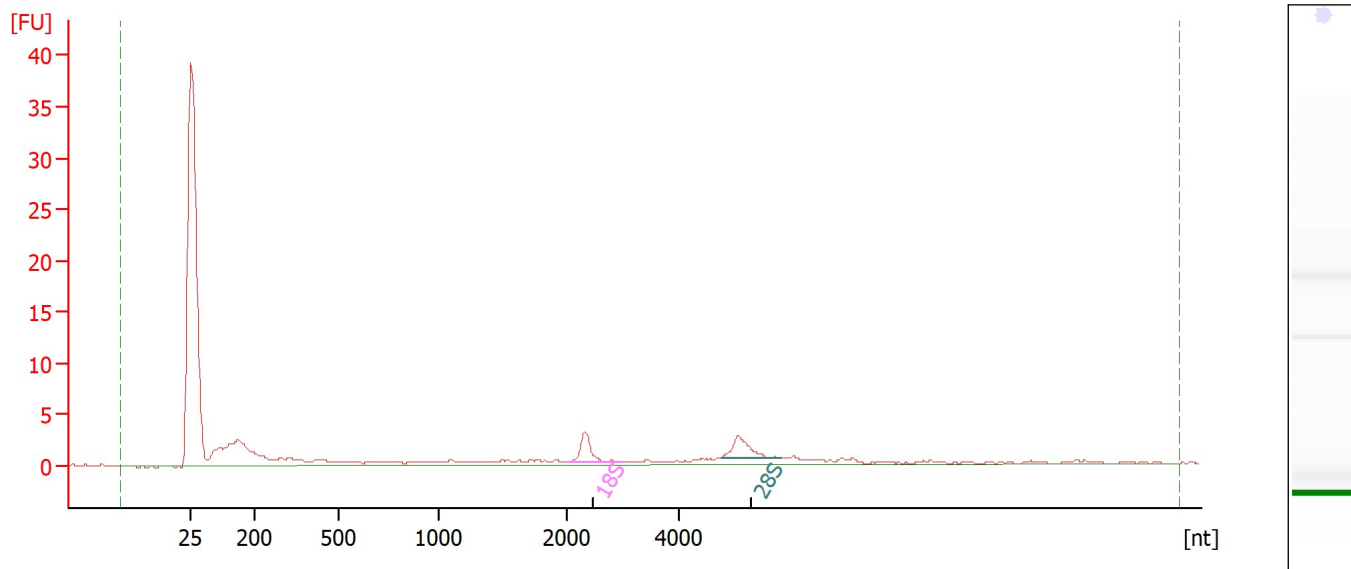
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,065	2,774	1.0	2.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary Continued ...

20028R-01-38

**Overall Results for sample 5 : 20028R-01-38**

RNA Area:	63.4	RNA Integrity Number (RIN):	7.6 (B.02.09)
RNA Concentration:	30 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 7.60

Fragment table for sample 5 : 20028R-01-38

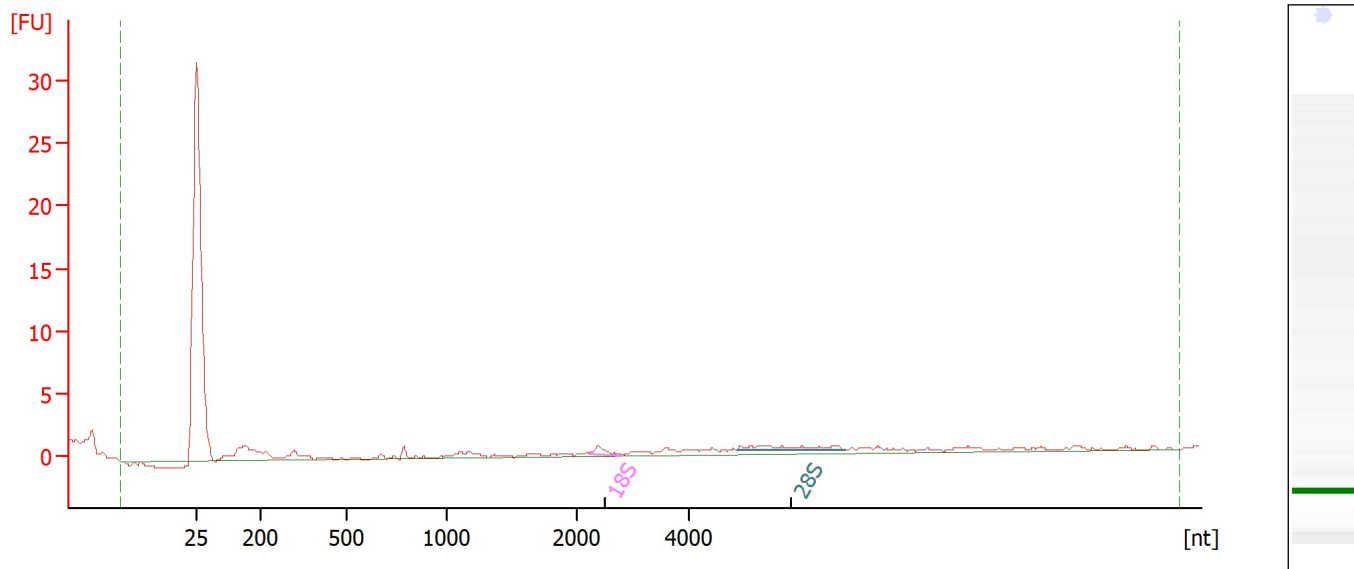
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,012	2,948	4.1	6.4
28S	4,745	5,815	4.4	6.9

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary Continued ...

20028R-01-39

**Overall Results for sample 6 : 20028R-01-39**

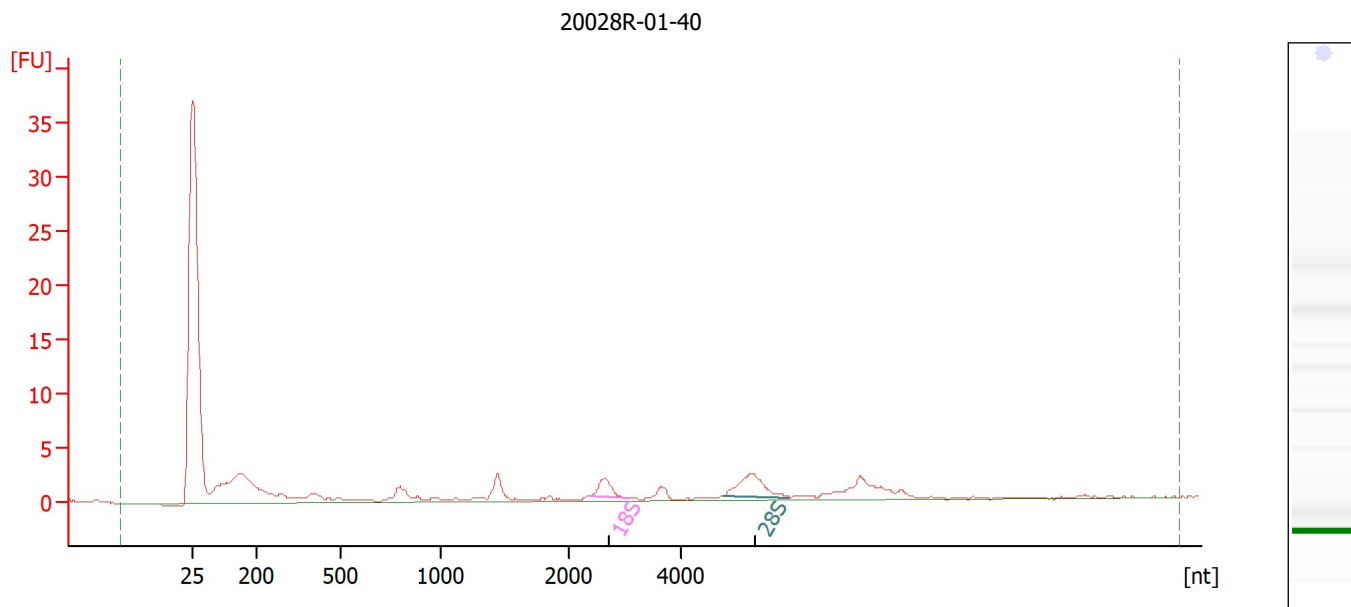
RNA Area:	29.0	RNA Integrity Number (RIN):	3.8 (B.02.09)
RNA Concentration:	14 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.3	Result Flagging Label:	RIN: 3.80

Fragment table for sample 6 : 20028R-01-39

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,204	2,790	0.7	2.5
28S	4,831	6,740	2.4	8.3

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 20028R-01-40**

RNA Area:	67.6	RNA Integrity Number (RIN):	6.5 (B.02.09)
RNA Concentration:	32 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 6.50

Fragment table for sample 7 : 20028R-01-40

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,341	3,084	3.0	4.5
28S	4,743	5,944	5.8	8.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Y:\...0028-01-Initial QC\20028-01-InitialQC-BA-34-40-03062020.xad

Created: 3/6/2020 4:22:14 PM
Modified: 3/6/2020 4:41:41 PM

Gel Image