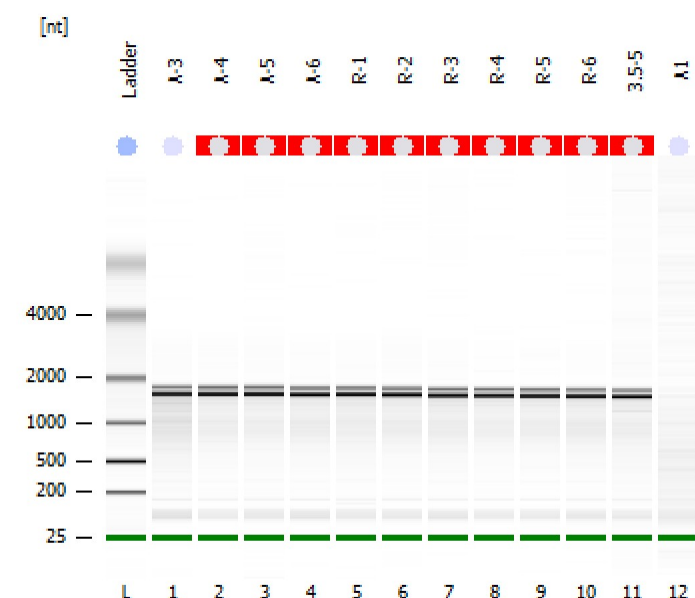


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE24802282 Firmware: C.01.069
Serial#: DE24802282 Type: G2938B

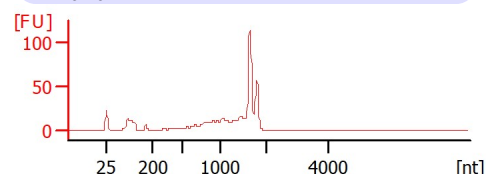
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

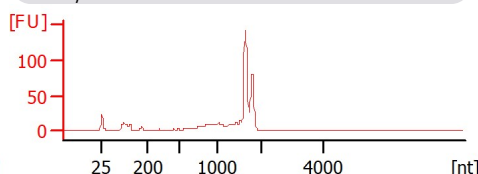
Chip Information:

Chip Lot #: BQ30BK20
Reagent Kit Lot #: setB
Chip Comments: RNA Nano | Eukaryotic Total | Felipe Barreto | Felipe Barreto | 7375852 | felipe.barreto@oregonstate.edu | copepod | whole animal |

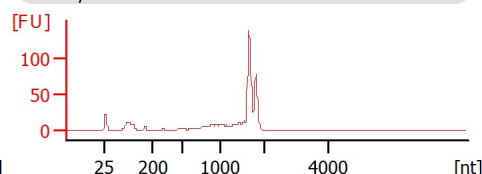
A-3
Eukaryotic Total RNA 100 2
RIN: 6.10



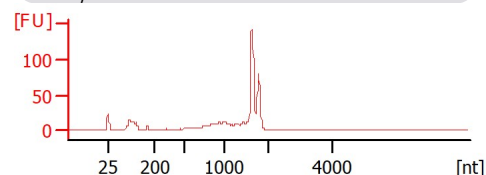
A-4
Eukaryotic Total RNA 100 2
RIN N/A



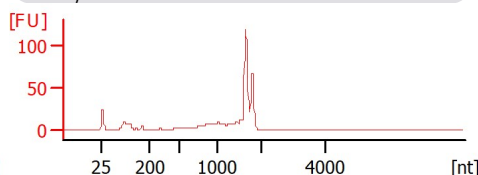
A-5
Eukaryotic Total RNA 100 2
RIN N/A



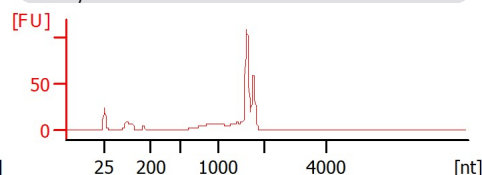
A-6
Eukaryotic Total RNA 100 2
RIN N/A



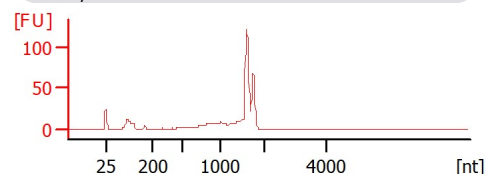
R-1
Eukaryotic Total RNA 100 2
RIN N/A



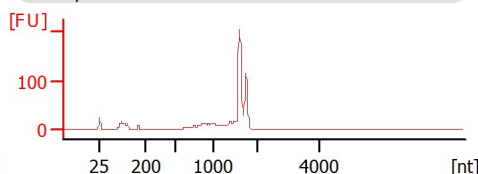
R-2
Eukaryotic Total RNA 100 2
RIN N/A



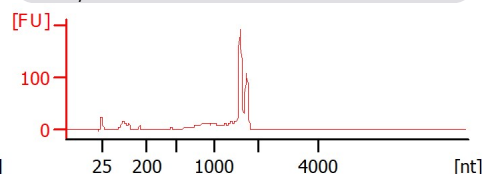
R-3
Eukaryotic Total RNA 100 2
RIN N/A



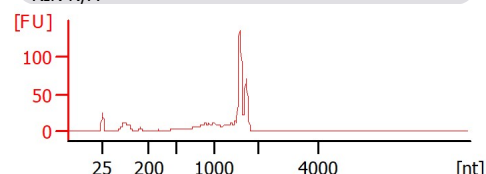
R-4
Eukaryotic Total RNA 100 2
RIN N/A



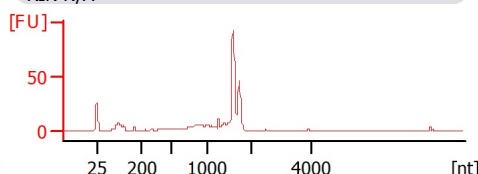
R-5
Eukaryotic Total RNA 100 2
RIN N/A



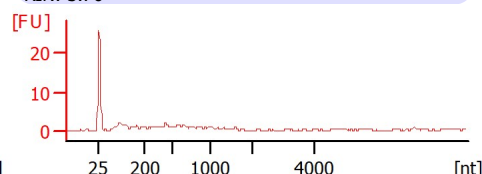
R-6
Eukaryotic Total RNA 100 2
RIN N/A



3.5-5
RIN N/A



A1
RIN: 3.70



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
 Modified: 12/20/2023 2:06:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A-3	Eukaryotic Total RNA 100 2	✓	RIN: 6.10	
A-4	Eukaryotic Total RNA 100 2	✓	RIN N/A	
A-5	Eukaryotic Total RNA 100 2	✓	RIN N/A	
A-6	Eukaryotic Total RNA 100 2	✓	RIN N/A	
R-1	Eukaryotic Total RNA 100 2	✓	RIN N/A	
R-2	Eukaryotic Total RNA 100 2	✓	RIN N/A	
R-3	Eukaryotic Total RNA 100 2	✓	RIN N/A	
R-4	Eukaryotic Total RNA 100 2	✓	RIN N/A	
R-5	Eukaryotic Total RNA 100 2	✓	RIN N/A	
R-6	Eukaryotic Total RNA 100 2	✓	RIN N/A	
3.5-5		✓	RIN N/A	
A1		✓	RIN: 3.70	
Ladder		✓	All Other Samples	

Chip Lot #

BQ30BK20

Reagent Kit Lot #

setB

Chip Comments :

RNA Nano | Eukaryotic Total | Felipe Barreto | Felipe Barreto | 7375852 | felipe.barreto@oregonstate.edu | copepod | whole animal |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/μl] : 150

Lower Marker Concentration [ng/μl] : 0

Upper Marker Concentration [ng/μl] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

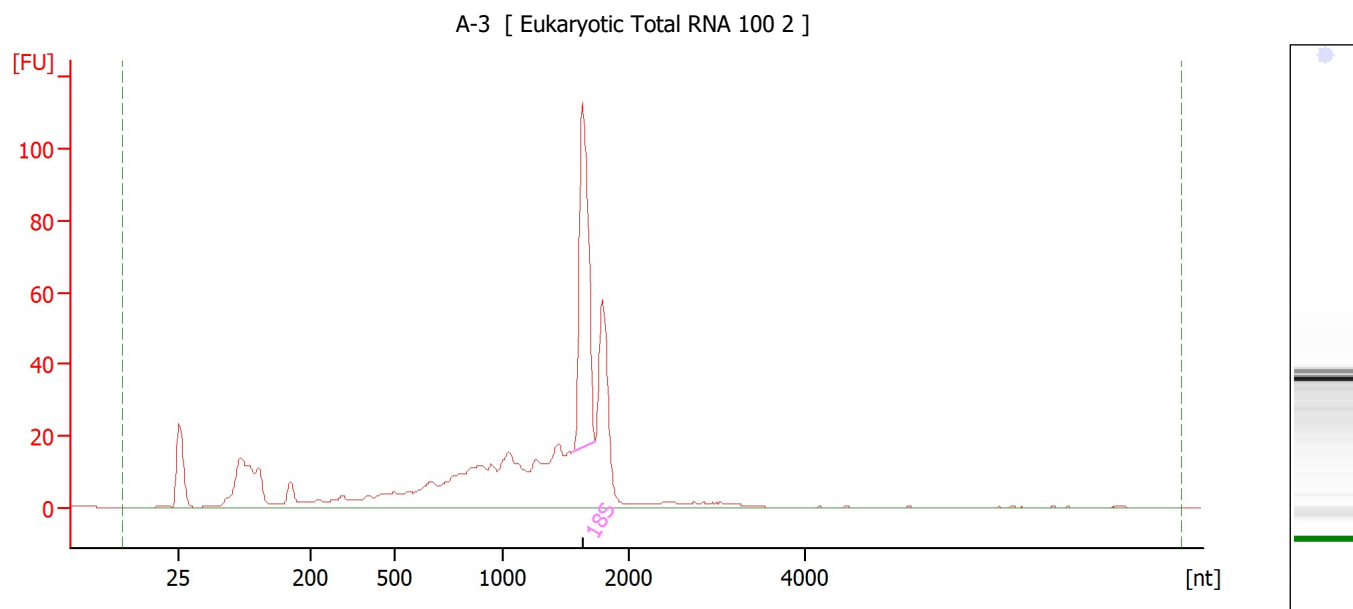
Polynomial Order : 4

Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary**Overall Results for sample 1 : A-3**

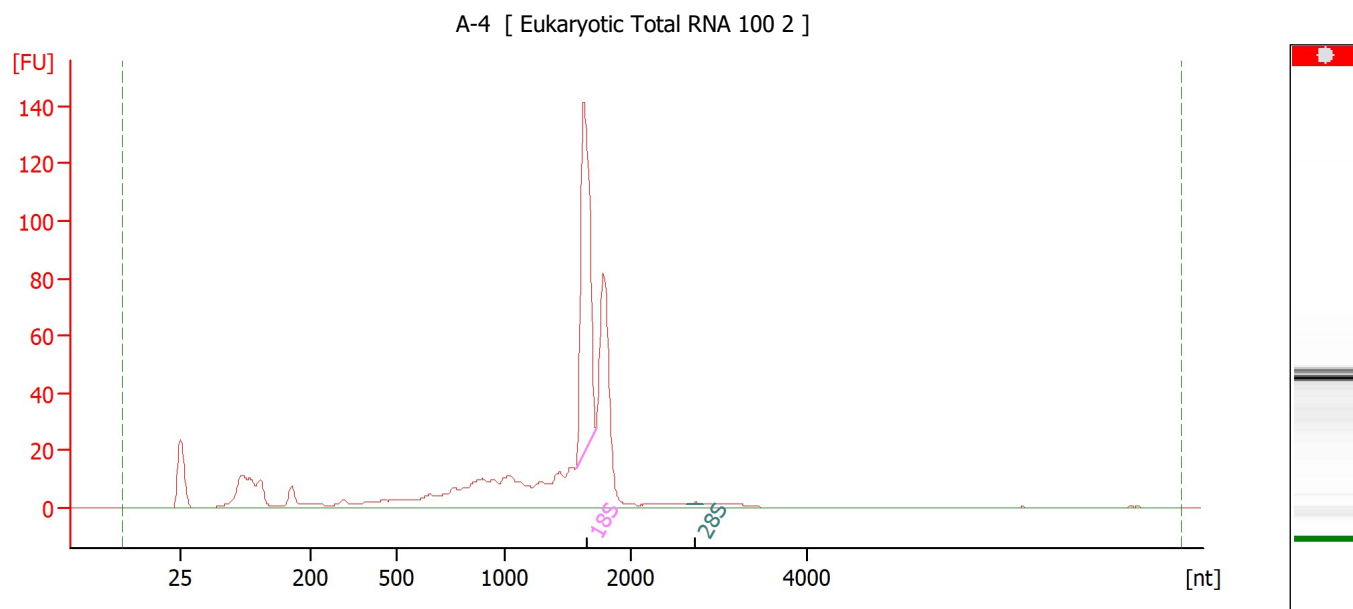
RNA Area:	585.2	RNA Integrity Number (RIN):	6.1 (B.02.11)
RNA Concentration:	255 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

Fragment table for sample 1 : A-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,557	1,736	115.0	19.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : A-4**

RNA Area:	567.9	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	247 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

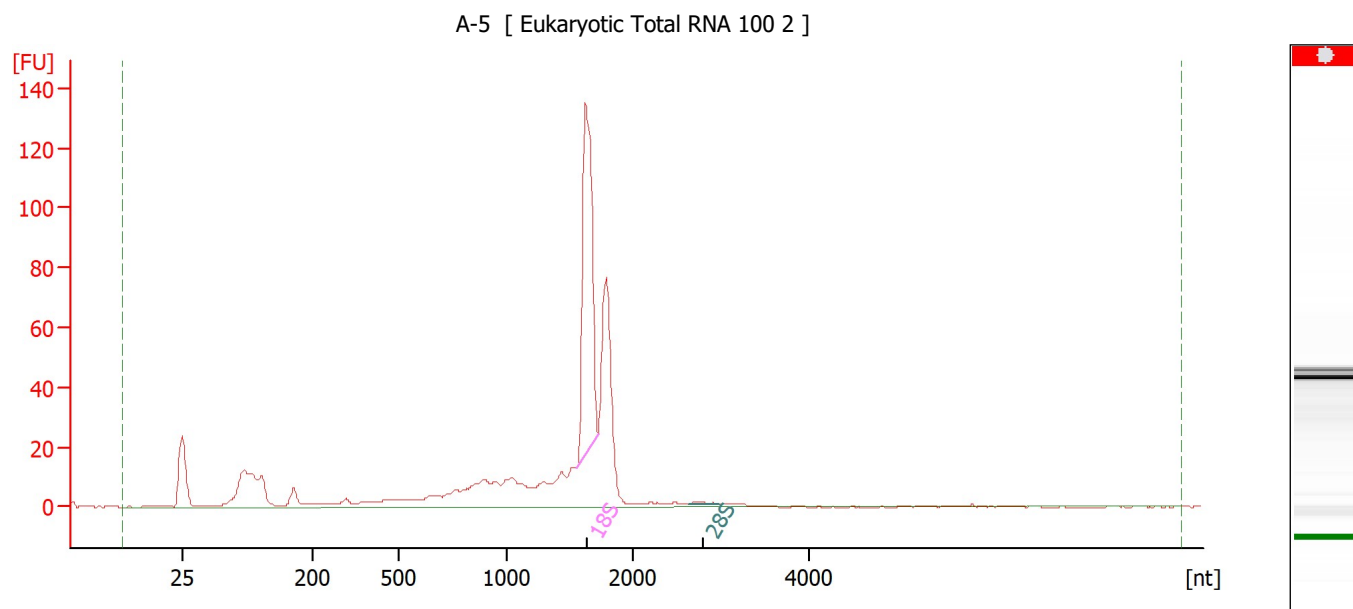
Fragment table for sample 2 : A-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,566	1,728	143.4	25.2
28S	2,644	2,826	0.3	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
 Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A-5

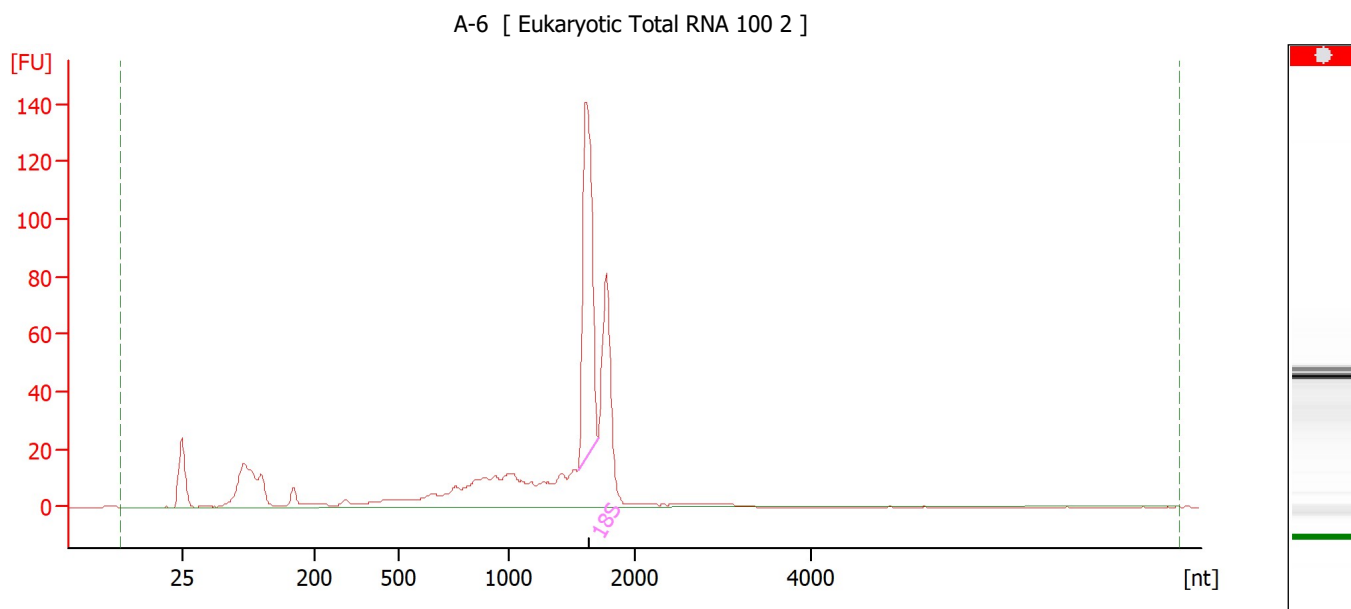
RNA Area:	545.0	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	237 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : A-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,729	141.9	26.0
28S	2,631	2,983	0.6	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

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

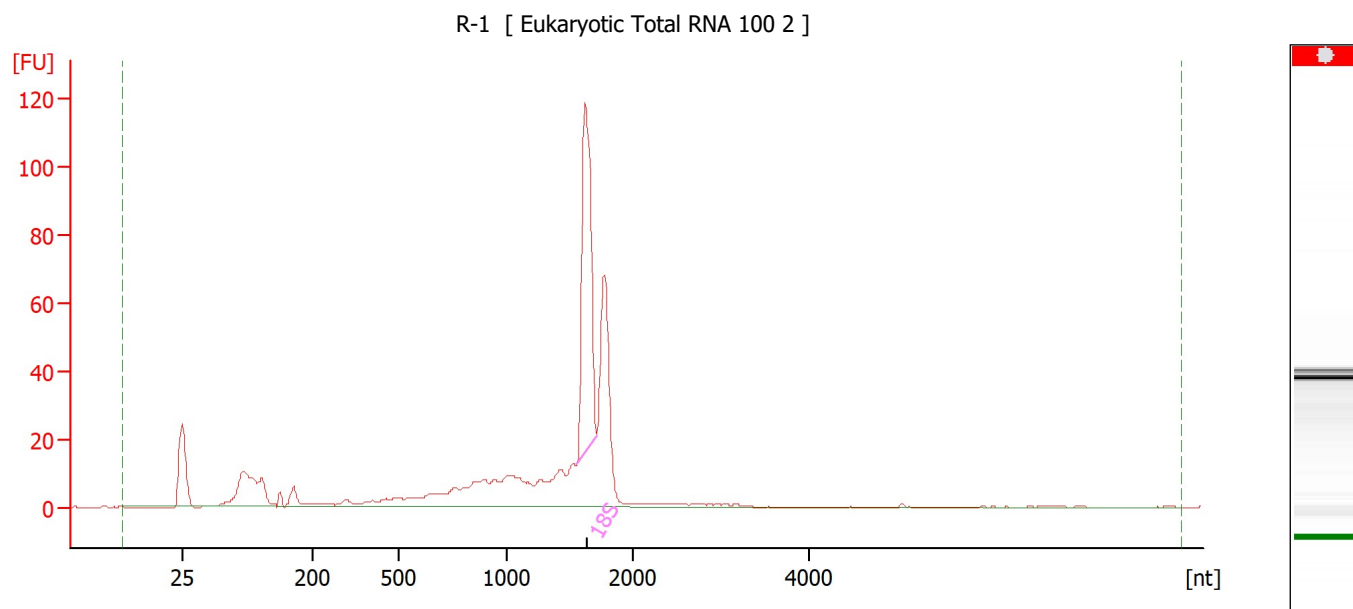
RNA Area:	568.0	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	247 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : A-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,714	143.8	25.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : R-1**

RNA Area:	477.6	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	208 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

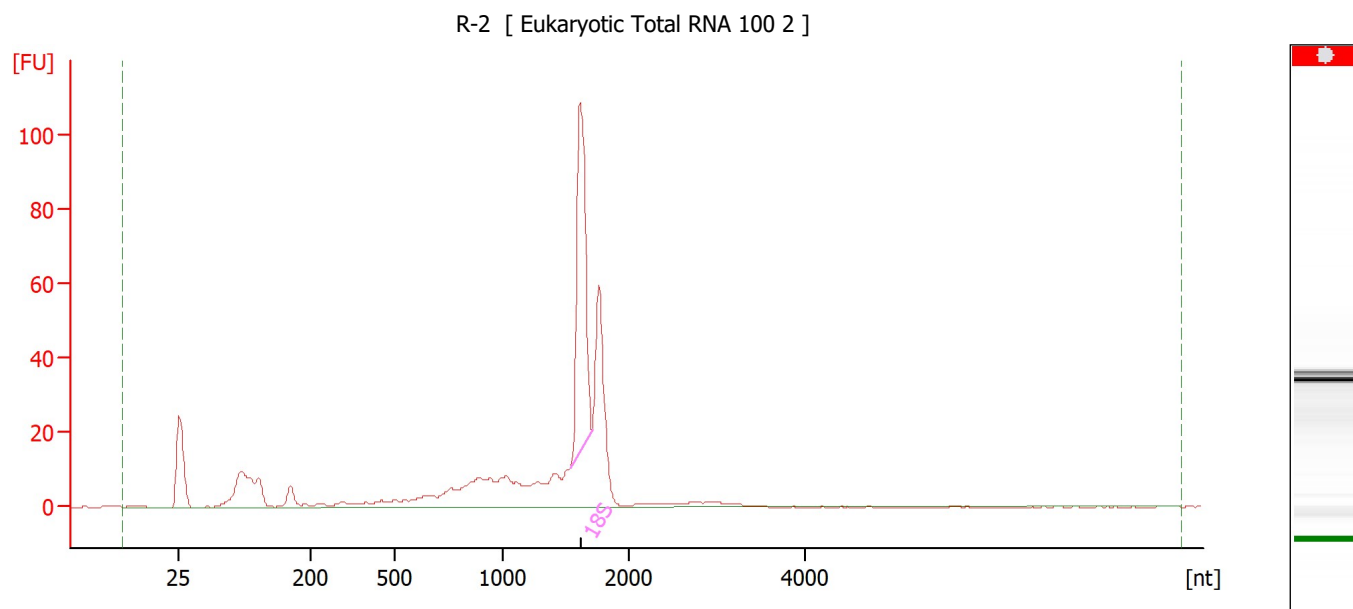
Fragment table for sample 5 : R-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,712	118.0	24.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
 Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R-2

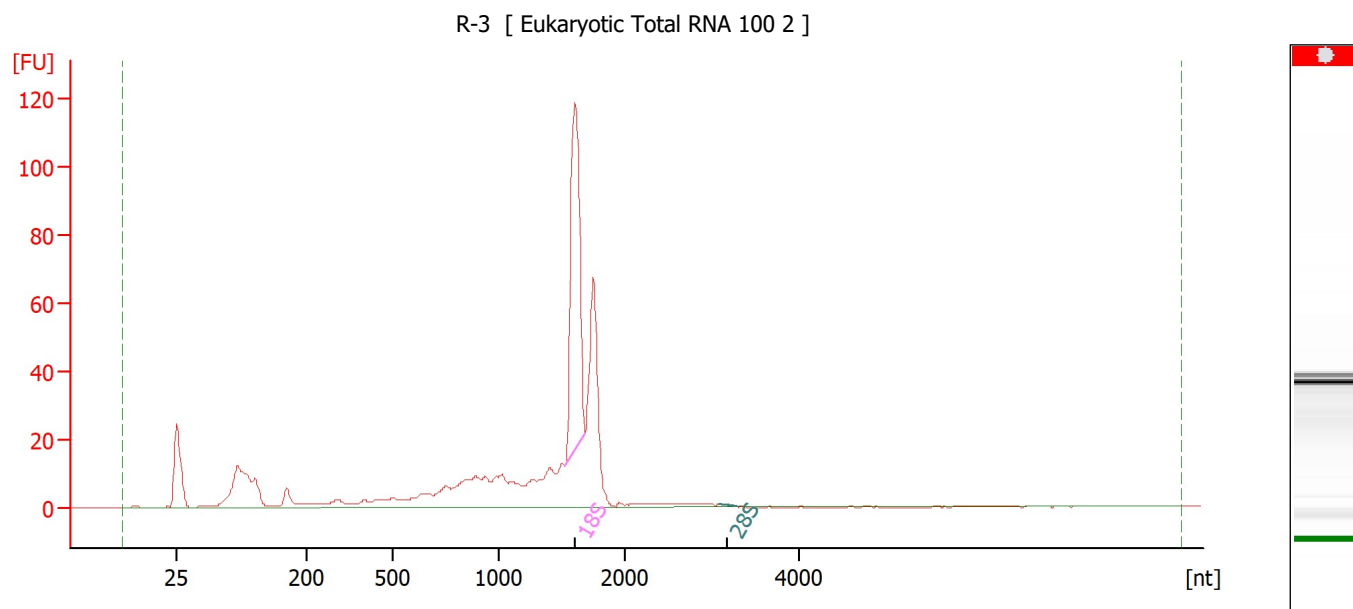
RNA Area:	424.3	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	185 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : R-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,710	112.3	26.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : R-3**

RNA Area:	487.7	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	212 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

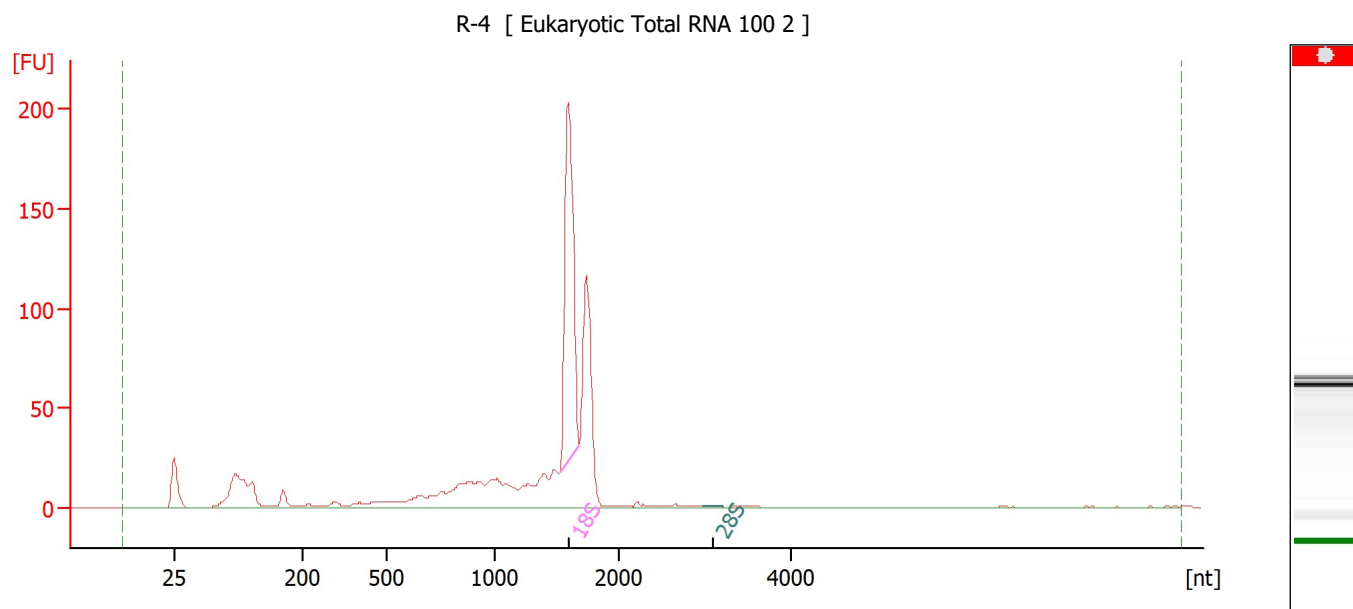
Fragment table for sample 7 : R-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,528	1,691	119.1	24.4
28S	3,087	3,294	0.5	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
 Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : R-4

RNA Area:	723.4	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	315 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

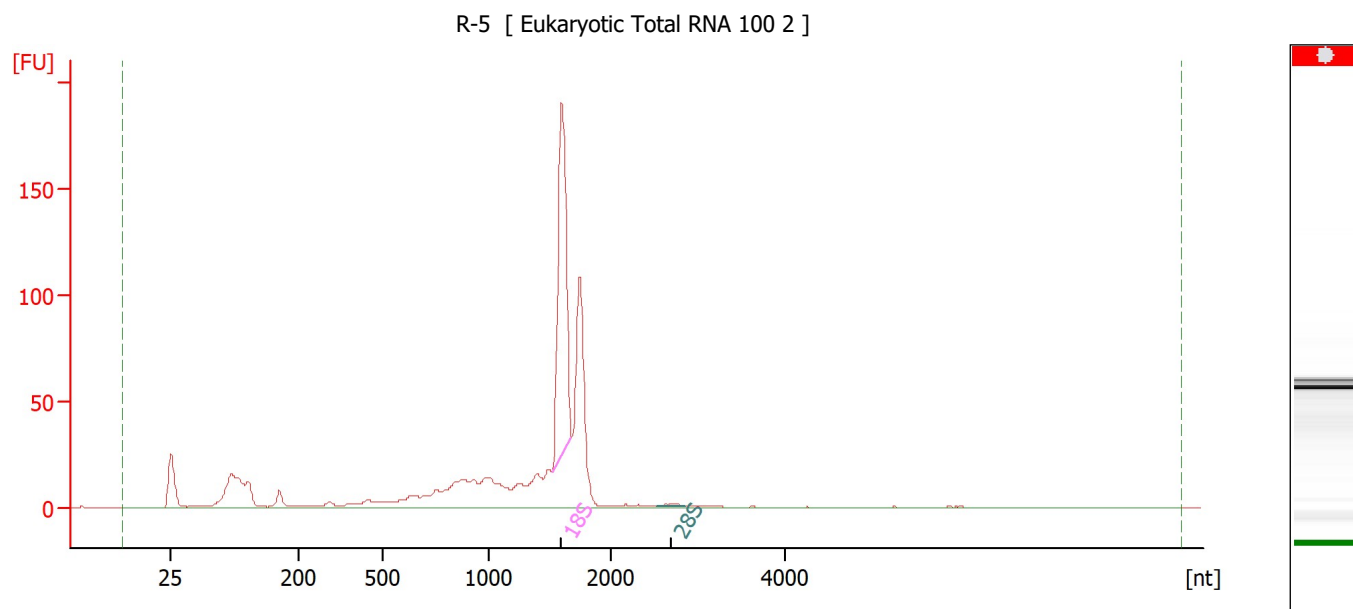
Fragment table for sample 8 : R-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,532	1,687	201.2	27.8
28S	2,981	3,203	0.5	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
 Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : R-5

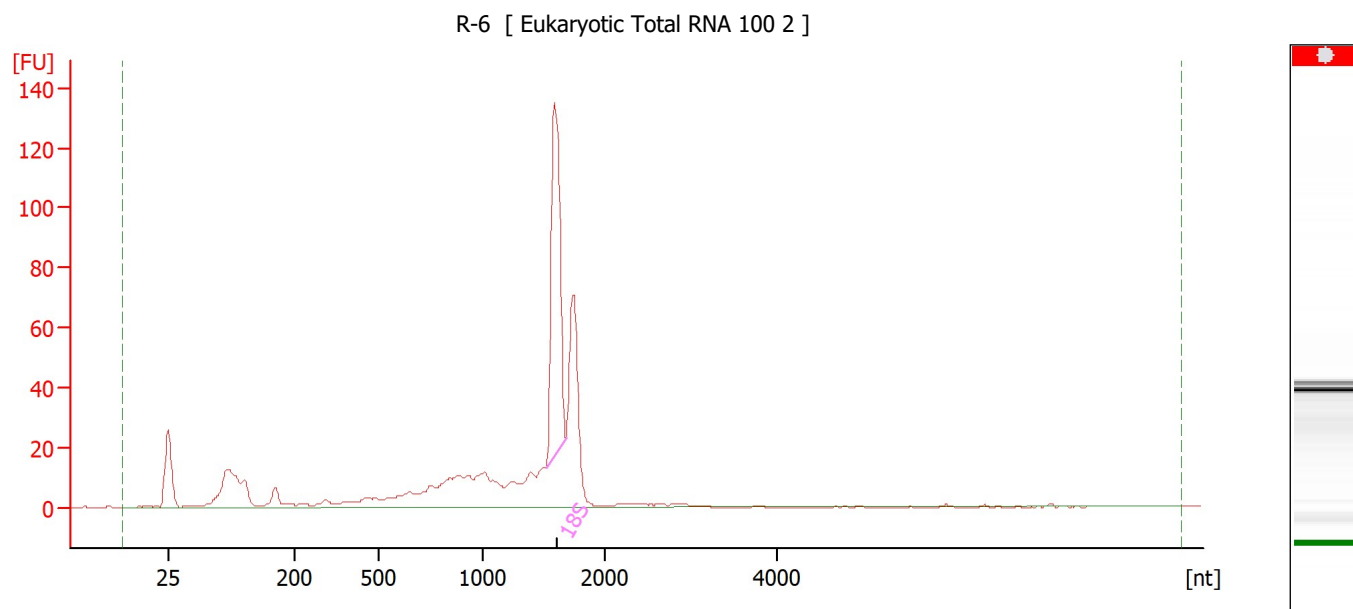
RNA Area:	735.8	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	320 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 9 : R-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,519	1,675	189.4	25.7
28S	2,515	2,838	1.3	0.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

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

RNA Area:	529.9	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	230 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

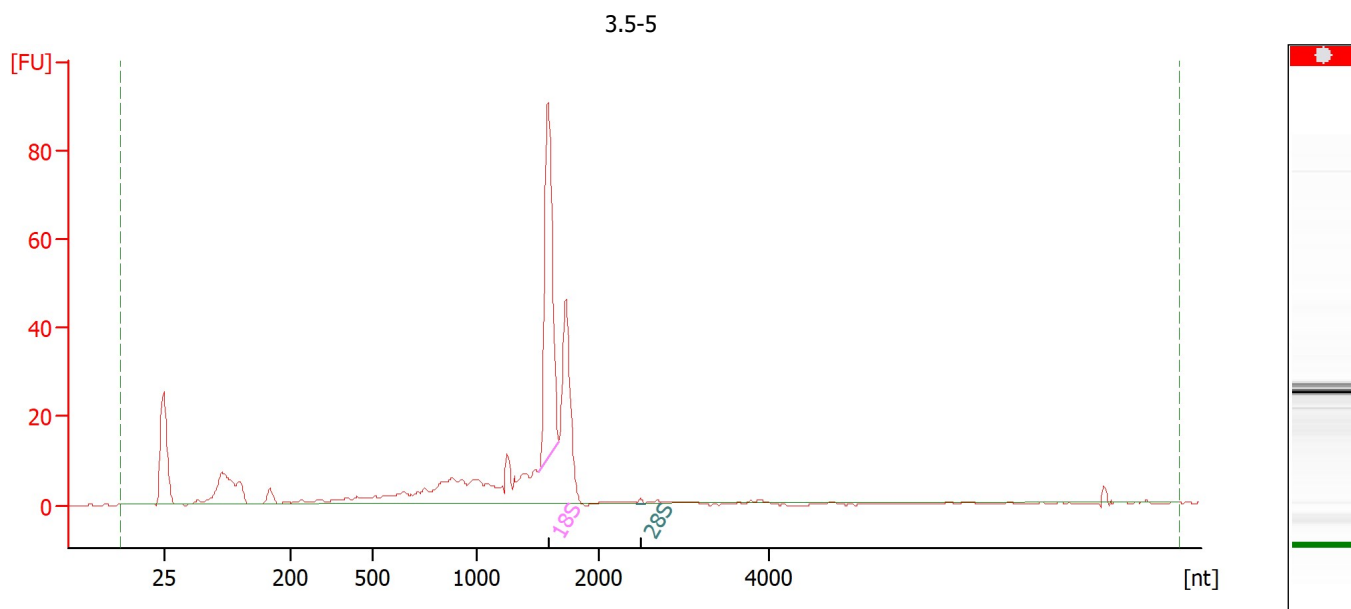
Fragment table for sample 10 : R-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,514	1,680	135.2	25.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
 Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 3.5-5

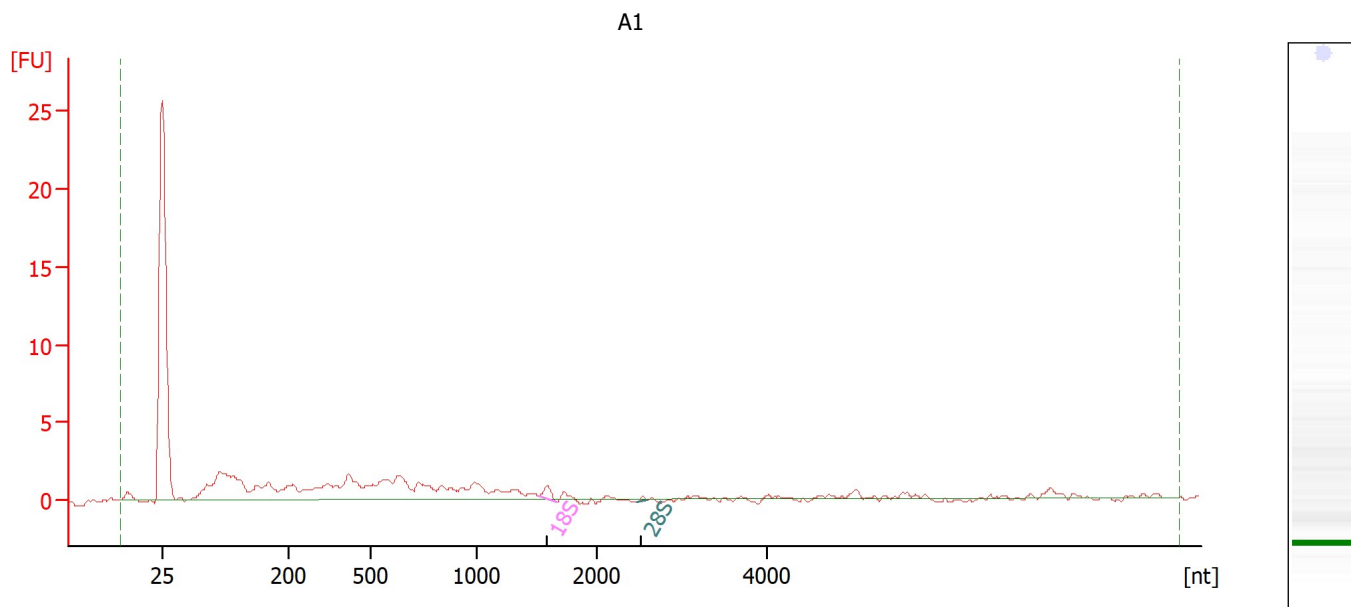
RNA Area:	317.4	RNA Integrity Number (RIN):	N/A (B.02.11)
RNA Concentration:	138 ng/μl	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : 3.5-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,669	88.8	28.0
28S	2,443	2,531	0.5	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : A1**

RNA Area:	49.2	RNA Integrity Number (RIN):	3.7 (B.02.11)
RNA Concentration:	21 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 3.70

Fragment table for sample 12 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,518	1,668	0.9	1.9
28S	2,468	2,594	0.1	0.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...12-20\6481_Eukaryote Total RNA Nano_2023-12-20_13-07-24.xad

Created: 12/20/2023 1:07:23 PM
Modified: 12/20/2023 2:06:12 PM

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