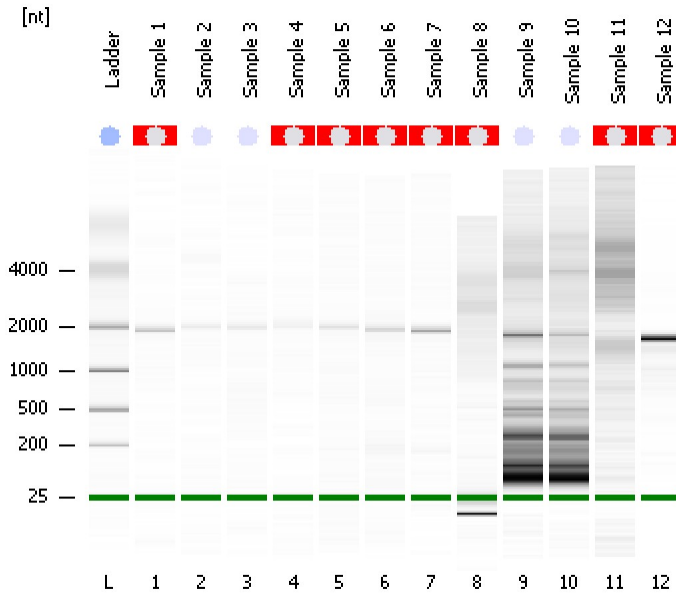


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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)

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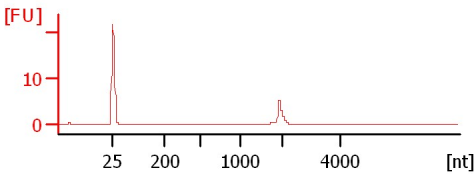
Chip Information:

Chip Lot #:

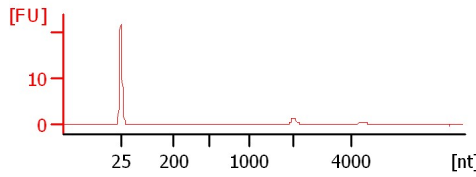
Reagent Kit Lot #:

Chip Comments:

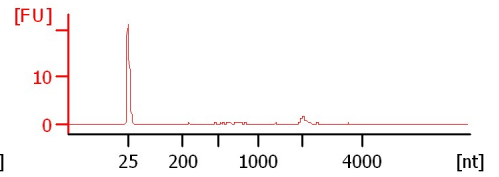
Sample 1
Row 2
RIN: N/A



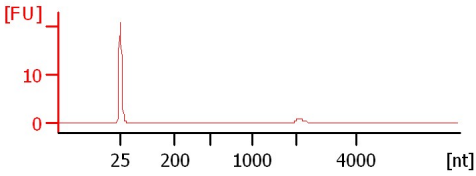
Sample 2
row 2
RIN: 7.60



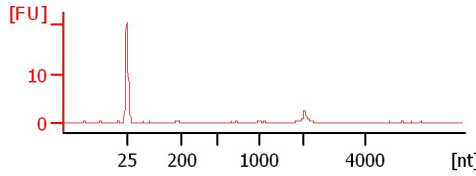
Sample 3
RIN: 7.30



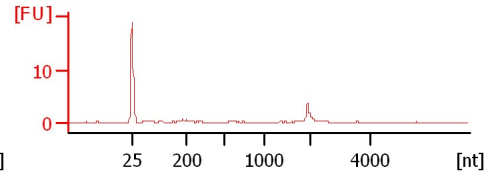
Sample 4
RIN: N/A



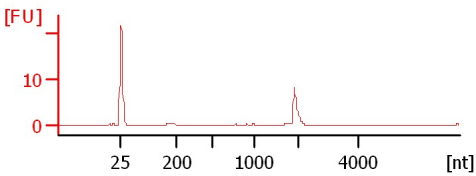
Sample 5
RIN: N/A



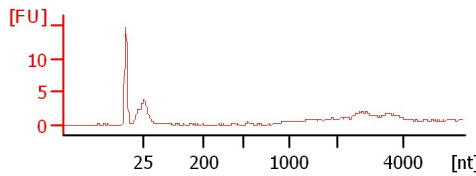
Sample 6
RIN: N/A



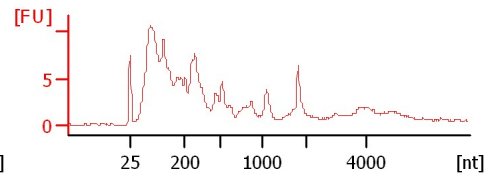
Sample 7
RIN: N/A



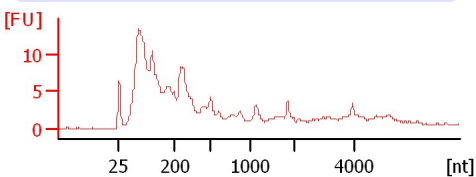
Sample 8
RIN: N/A



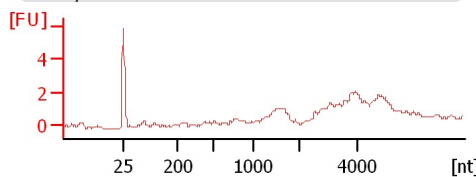
Sample 9
RIN: 3.30



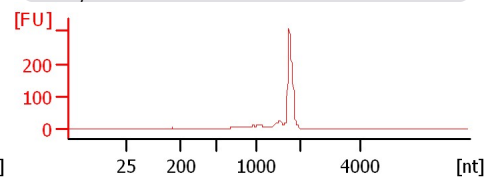
Sample 10
RIN: 2.60



Sample 11
RIN: N/A



Sample 12
RIN: N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1	Row 2	✓	RIN N/A	
Sample 2	row 2	✓	RIN: 7.60	
Sample 3		✓	RIN: 7.30	
Sample 4		✓	RIN N/A	
Sample 5		✓	RIN N/A	
Sample 6		✓	RIN N/A	
Sample 7		✓	RIN N/A	
Sample 8		✓	RIN N/A	
Sample 9		✓	RIN: 3.30	
Sample 10		✓	RIN: 2.60	
Sample 11		✓	RIN N/A	
Sample 12		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 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

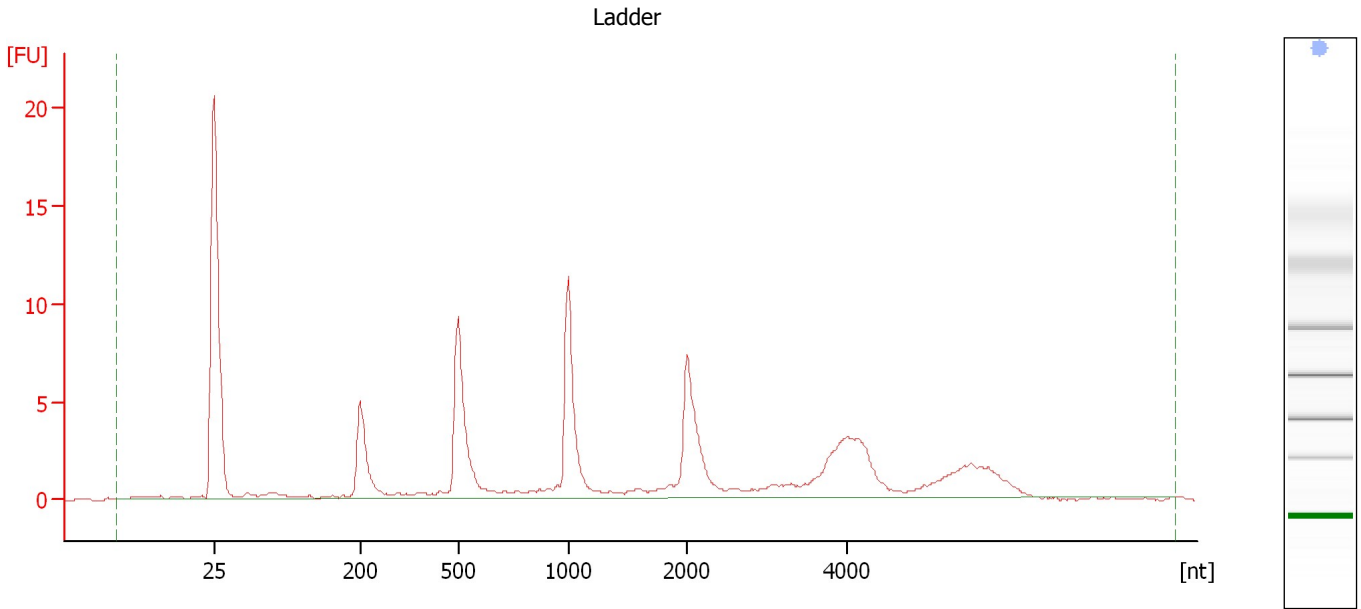
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary



Overall Results for Ladder

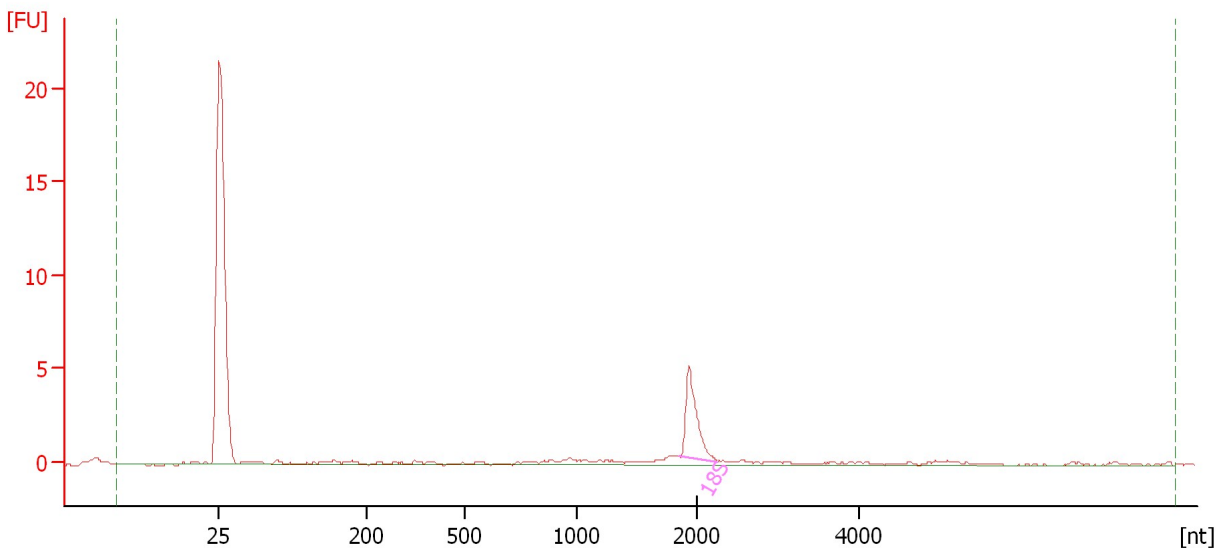
RNA Area:	86.5	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 1 [Row 2]



Overall Results for sample 1 : Sample 1

RNA Area:	16.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	28 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 1 : Sample 1

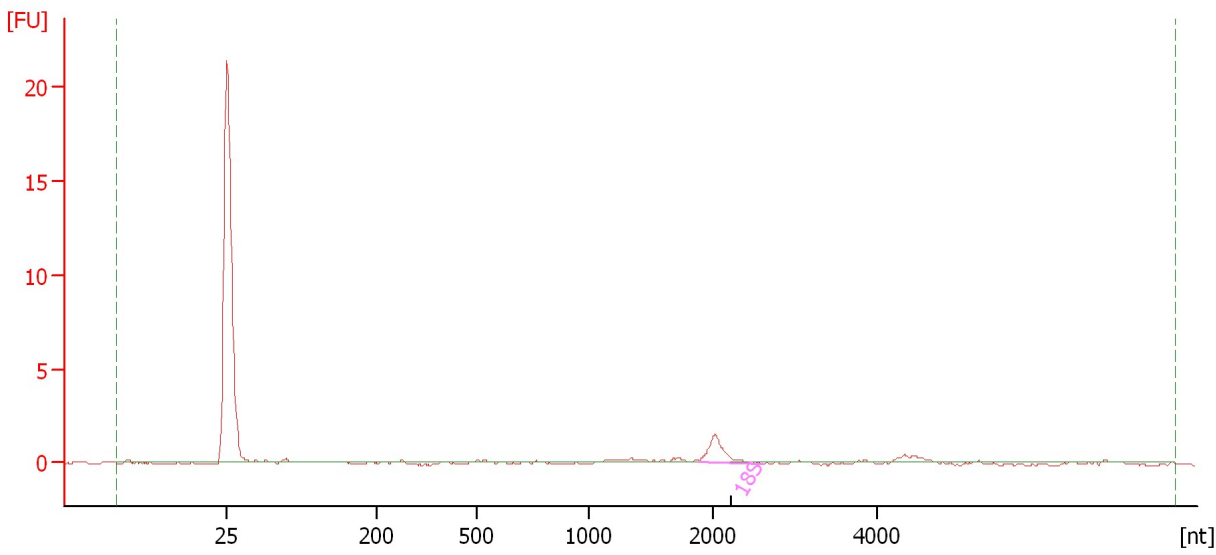
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,844	2,242	6.1	37.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 2 [row 2]



Overall Results for sample 2 : Sample 2

RNA Area:	7.4	RNA Integrity Number (RIN):	7.6 (B.02.08)
RNA Concentration:	13 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.60

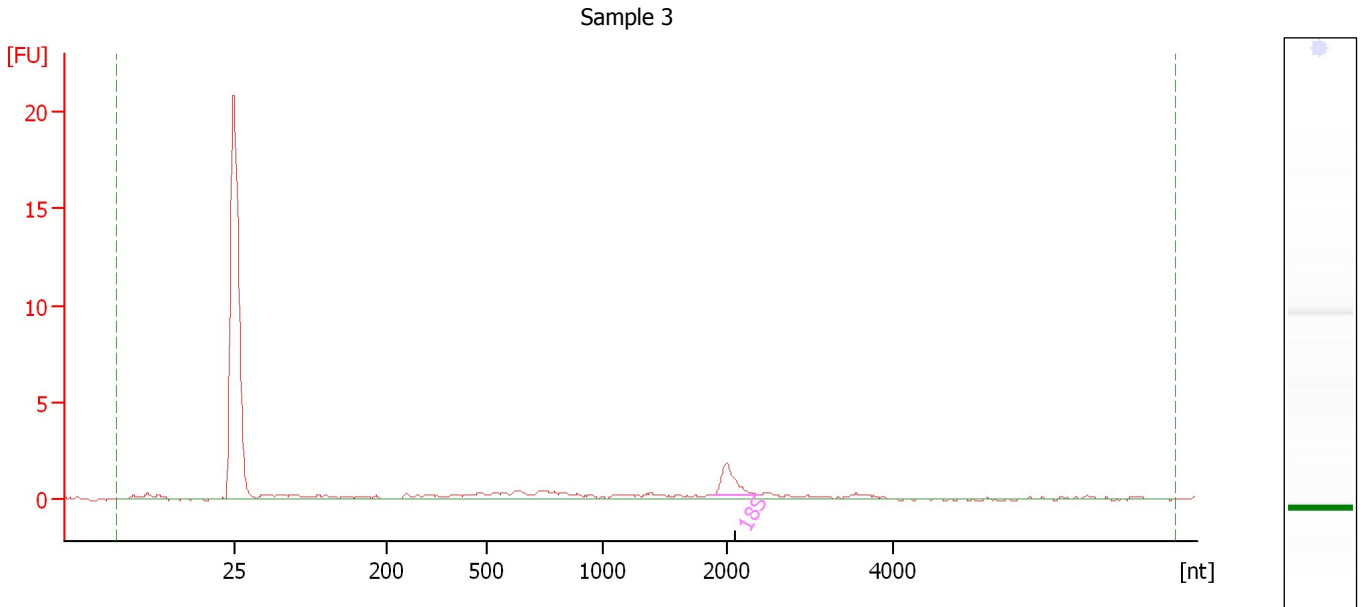
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,895	2,610	2.4	31.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	18.6	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.30

Fragment table for sample 3 : Sample 3

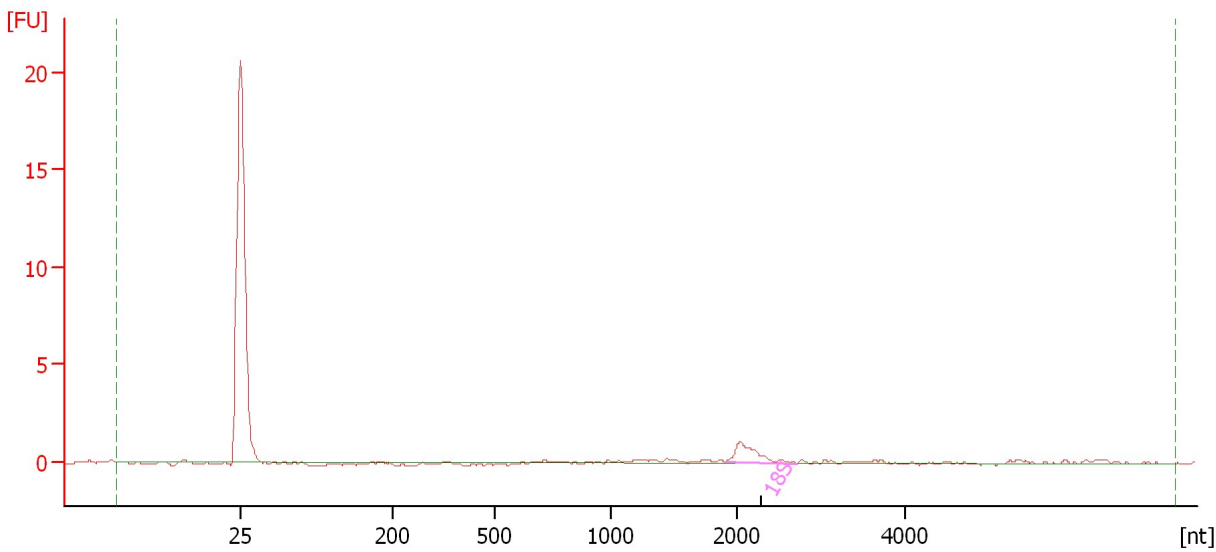
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,892	2,378	2.5	13.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 4



Overall Results for sample 4 : Sample 4

RNA Area:	5.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : Sample 4

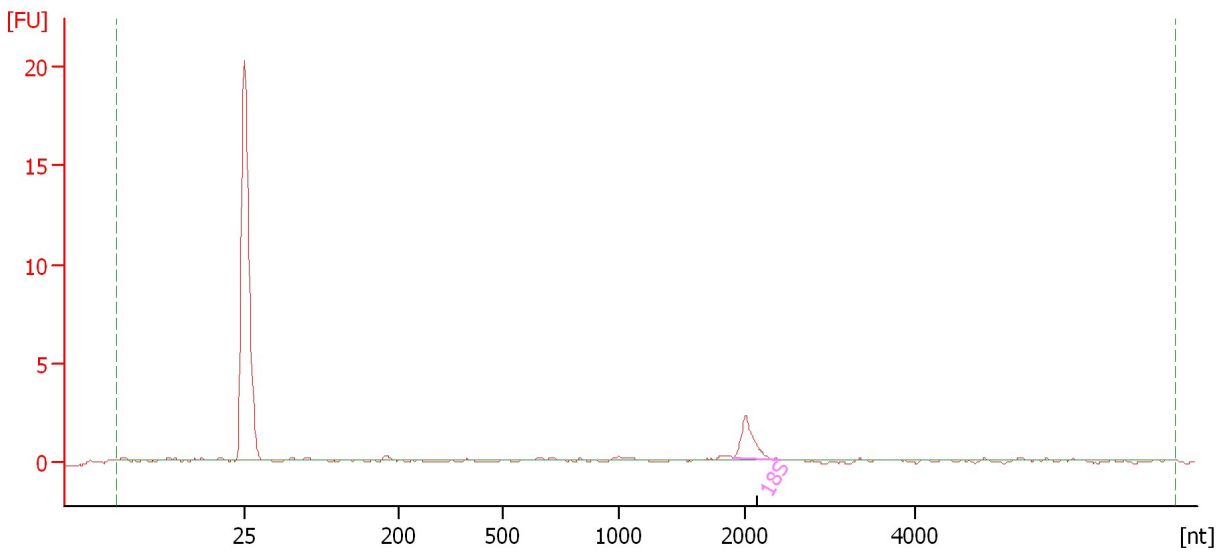
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,905	2,709	2.3	44.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 5



Overall Results for sample 5 : Sample 5

RNA Area:	7.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	12 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Sample 5

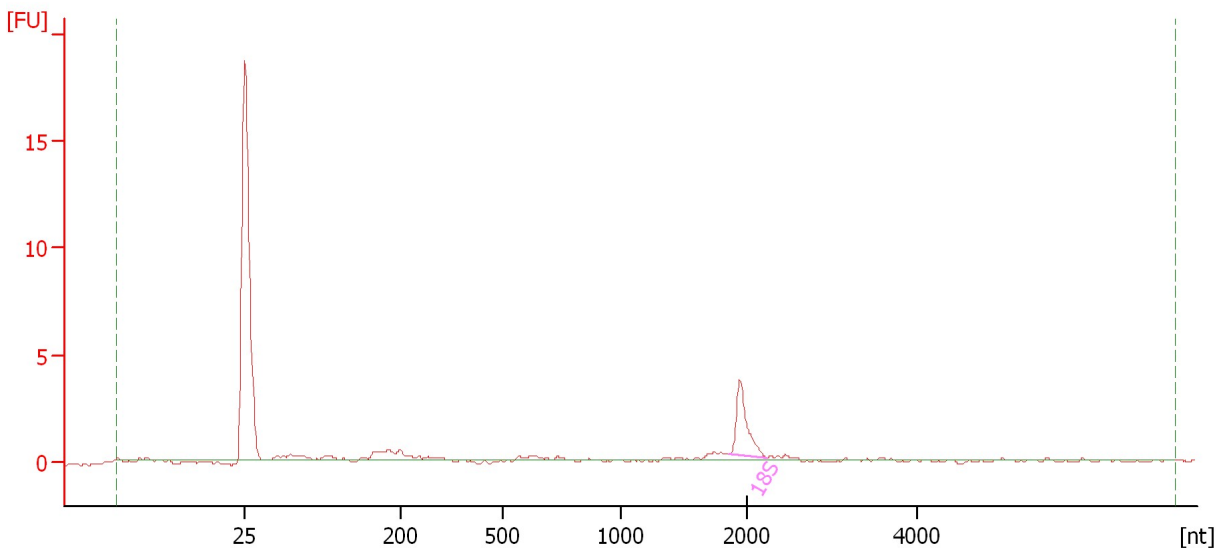
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,900	2,418	2.9	40.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 6



Overall Results for sample 6 : Sample 6

RNA Area:	9.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	17 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 6 : Sample 6

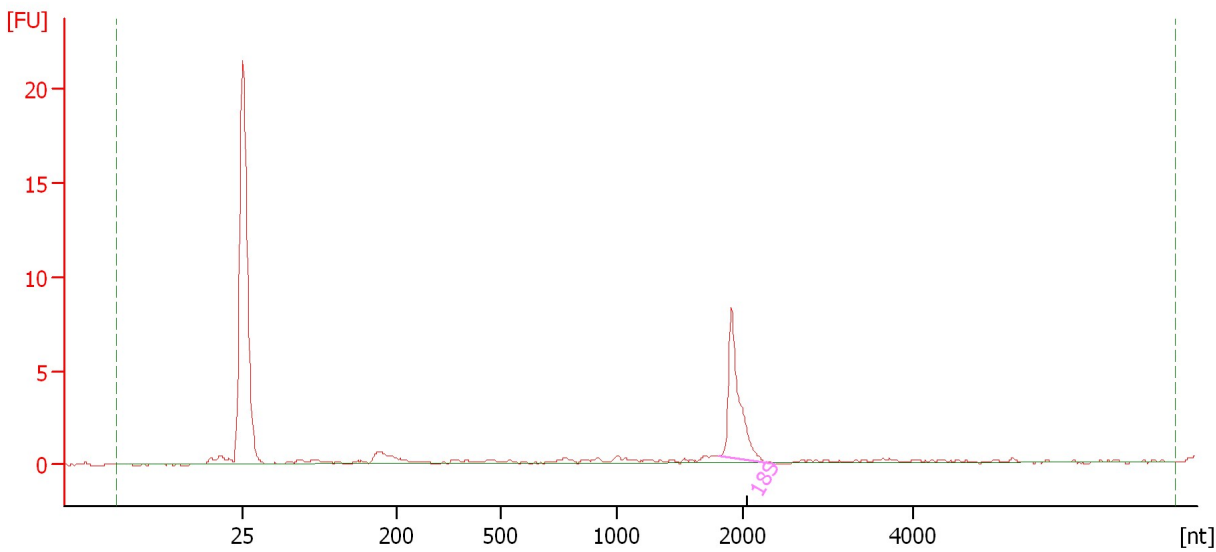
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,850	2,230	4.0	40.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 7



Overall Results for sample 7 : Sample 7

RNA Area:	20.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	35 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : Sample 7

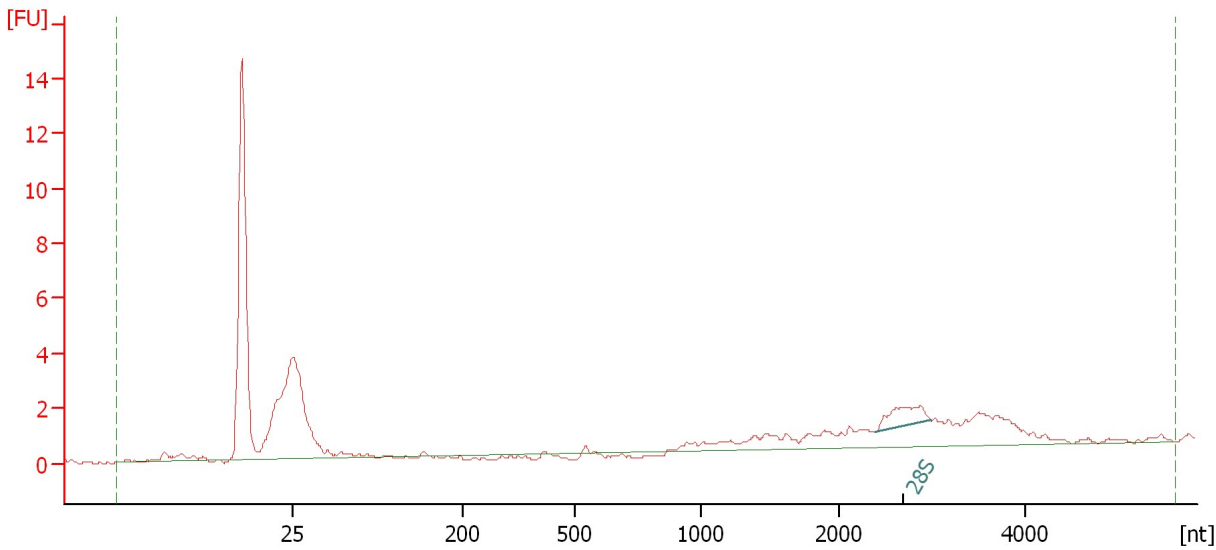
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,815	2,380	9.6	47.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
 Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

RNA Area:	48.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	85 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

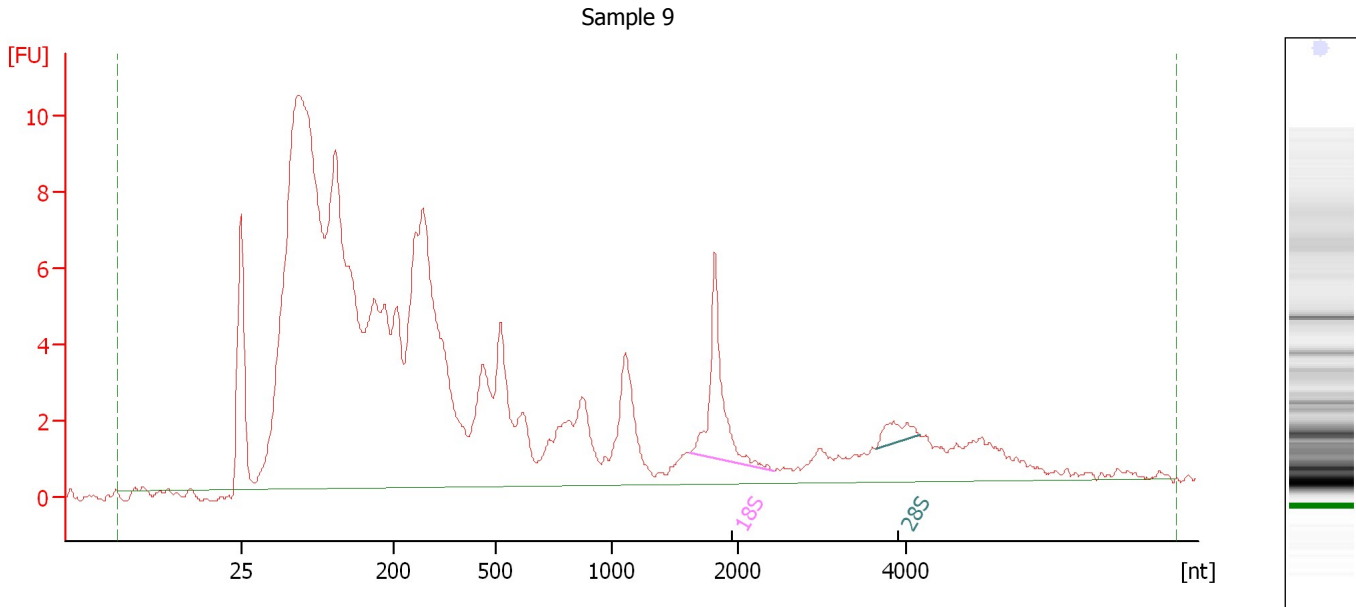
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,391	2,980	2.3	4.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
 Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	242.0	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	419 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 3.30

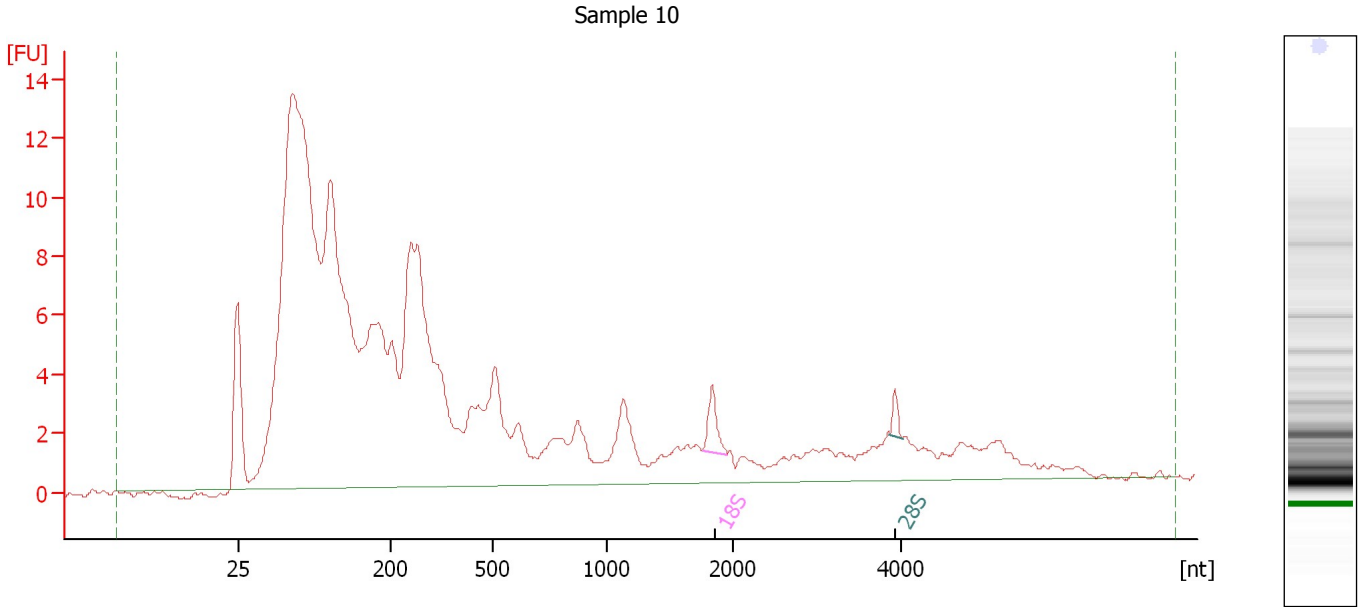
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,624	2,430	7.2	3.0
28S	3,649	4,157	1.3	0.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
 Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	274.5	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	476 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.60

Fragment table for sample 10 : Sample 10

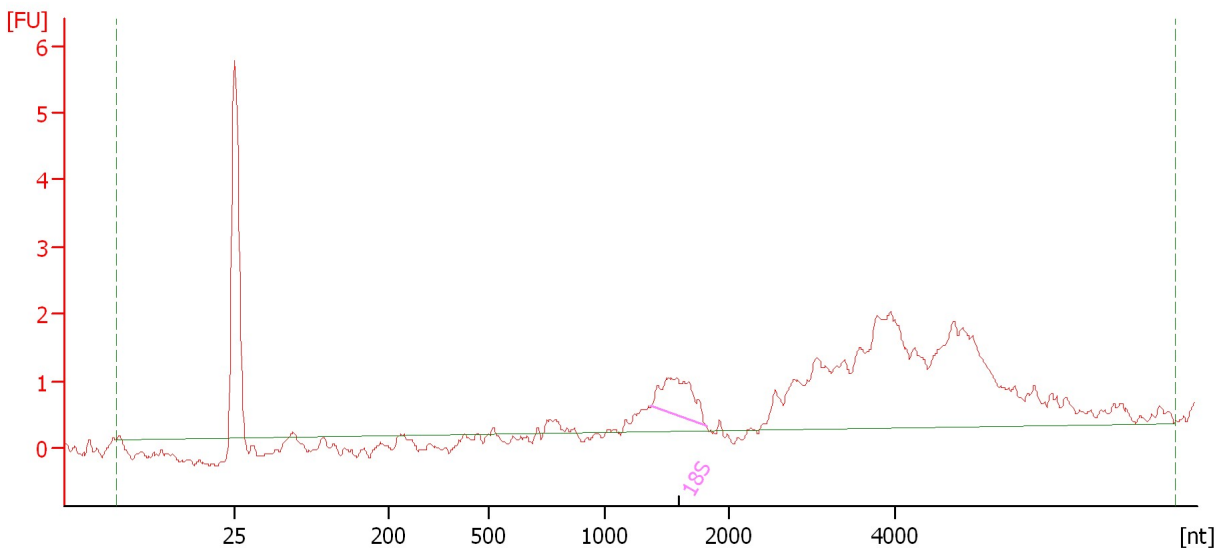
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	1,955	2.2	0.8
28S	3,870	4,023	0.7	0.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad


Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...

Sample 11



Overall Results for sample 11 : Sample 11

RNA Area:	28.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	50 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

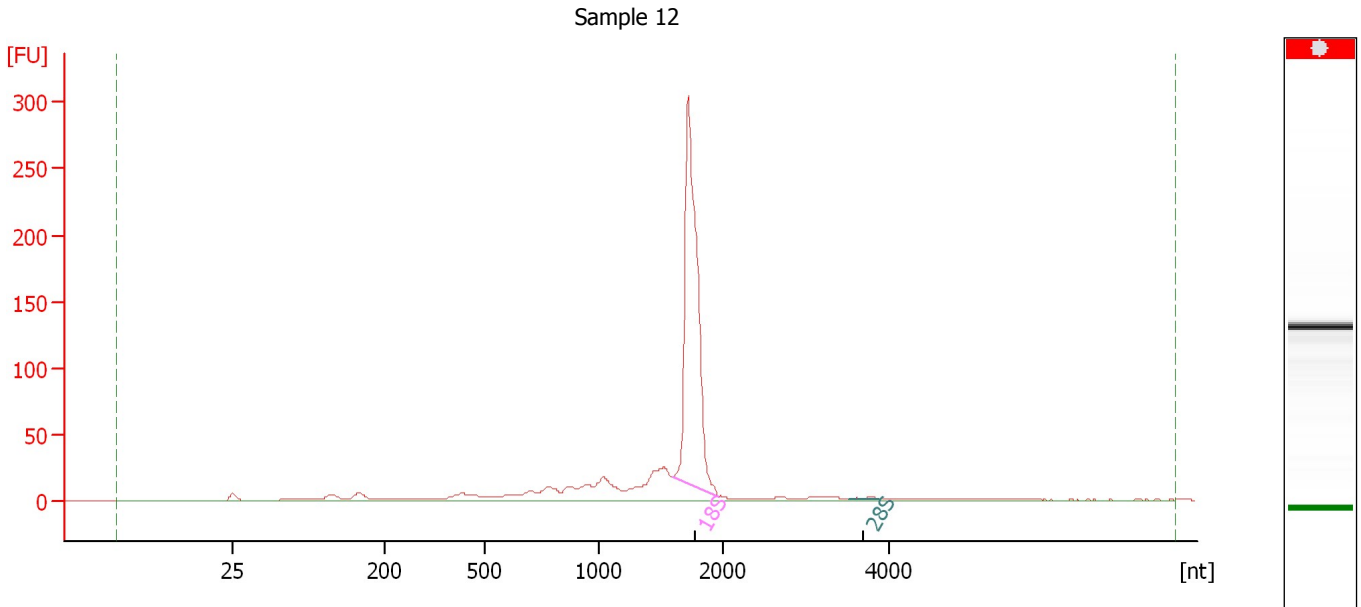
Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,379	1,824	2.1	7.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
 Modified: 12/11/2018 4:03:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Sample 12

RNA Area:	786.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1,363 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 12 : Sample 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,606	1,968	413.6	52.6
28S	3,524	3,884	0.6	0.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-11\2018-12-11_003.xad

Created: 12/11/2018 3:39:43 PM
Modified: 12/11/2018 4:03:30 PM

Gel Image

