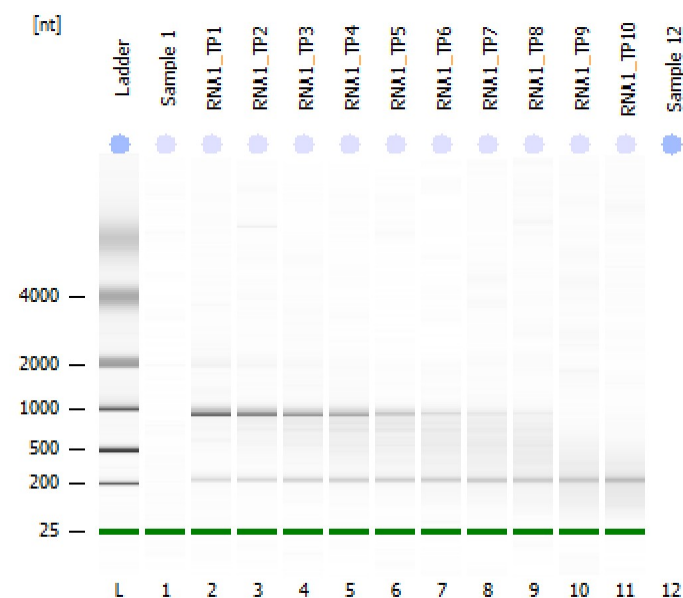


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE72901420
Serial#: DE72901420

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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

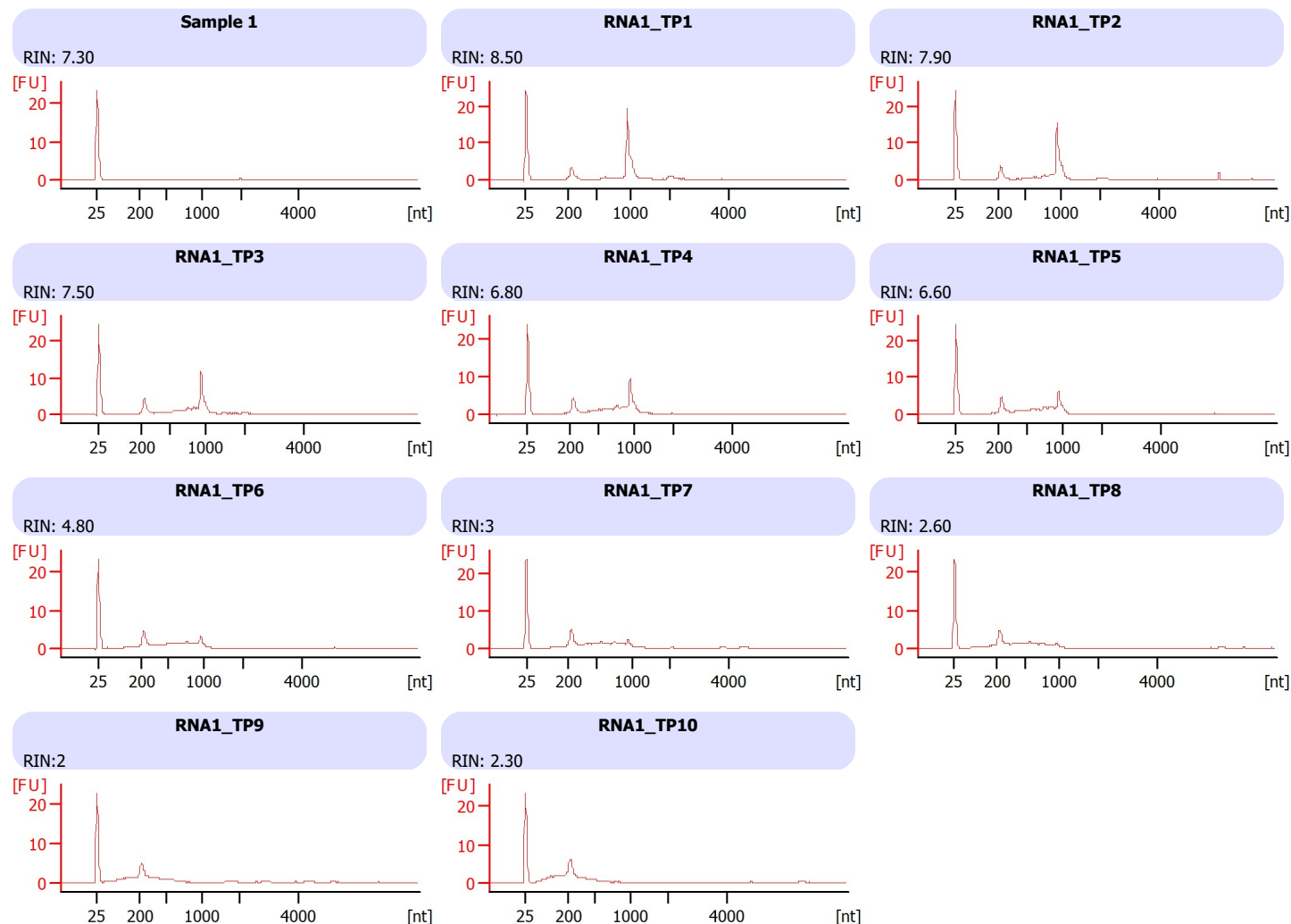
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat	Result Label	Result Color
Sample 1		✓	RIN: 7.30	
RNA1_TP1		✓	RIN: 8.50	
RNA1_TP2		✓	RIN: 7.90	
RNA1_TP3		✓	RIN: 7.50	
RNA1_TP4		✓	RIN: 6.80	
RNA1_TP5		✓	RIN: 6.60	
RNA1_TP6		✓	RIN: 4.80	
RNA1_TP7		✓	RIN:3	
RNA1_TP8		✓	RIN: 2.60	
RNA1_TP9		✓	RIN:2	
RNA1_TP10		✓	RIN: 2.30	
Sample 12			All Other Samples	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 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

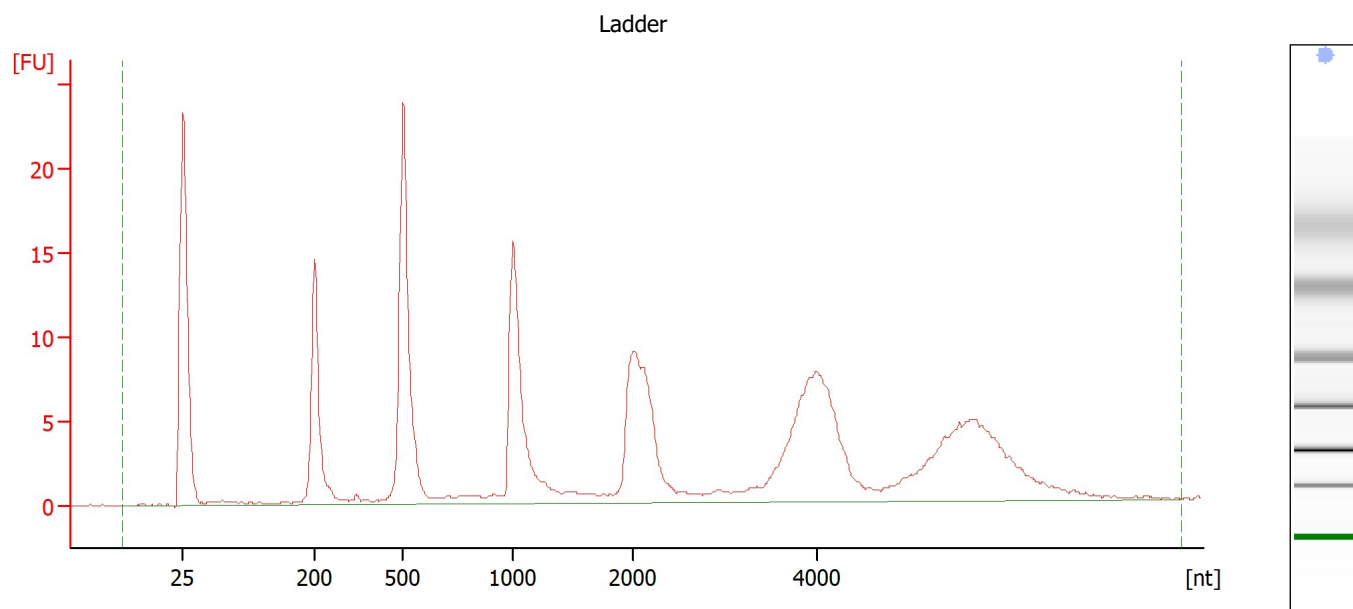
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 206.5

Result Flagging Color:



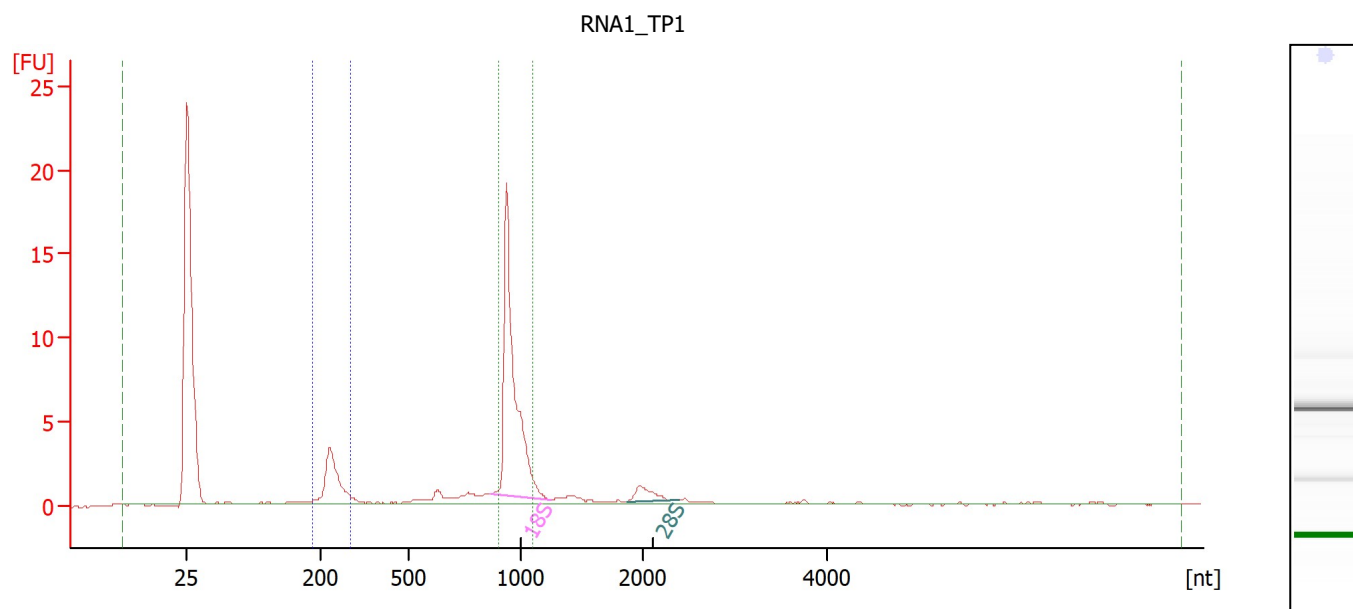
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : RNA1_TP1**

RNA Area:	53.6	Result Flagging Color:	
RNA Concentration:	39 ng/μl	Result Flagging Label:	RIN: 8.50
rRNA Ratio [28s / 18s]:	0.1	Corr. Area 1:	8.2
RNA Integrity Number (RIN):	8.5 (B.02.10, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	27.9

Fragment table for sample 2 : RNA1_TP1

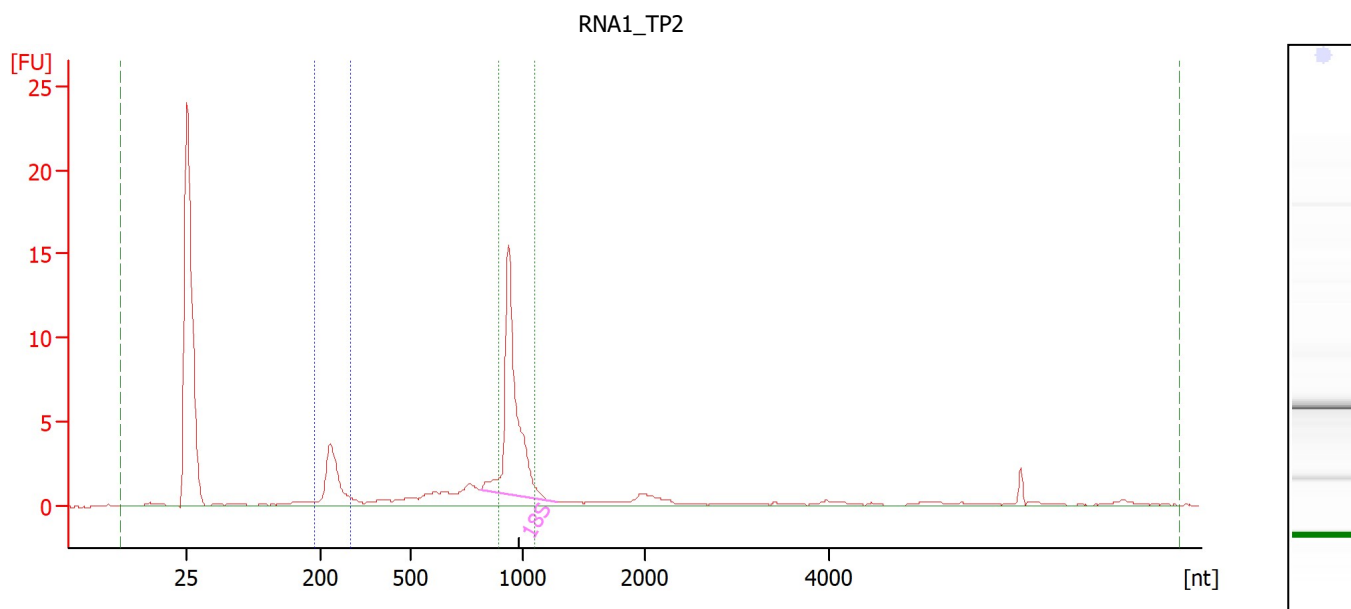
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	866	1,247	26.9	50.3
28S	1,879	2,408	2.0	3.8

Region table for sample 2 : RNA1_TP1

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	8.2	15	
Region 2	900	1,100	27.9	52	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : RNA1_TP2**

RNA Area:	56.1	Result Flagging Color:	
RNA Concentration:	41 ng/μl	Result Flagging Label:	RIN: 7.90
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	8.3
RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	24.1

Fragment table for sample 3 : RNA1_TP2

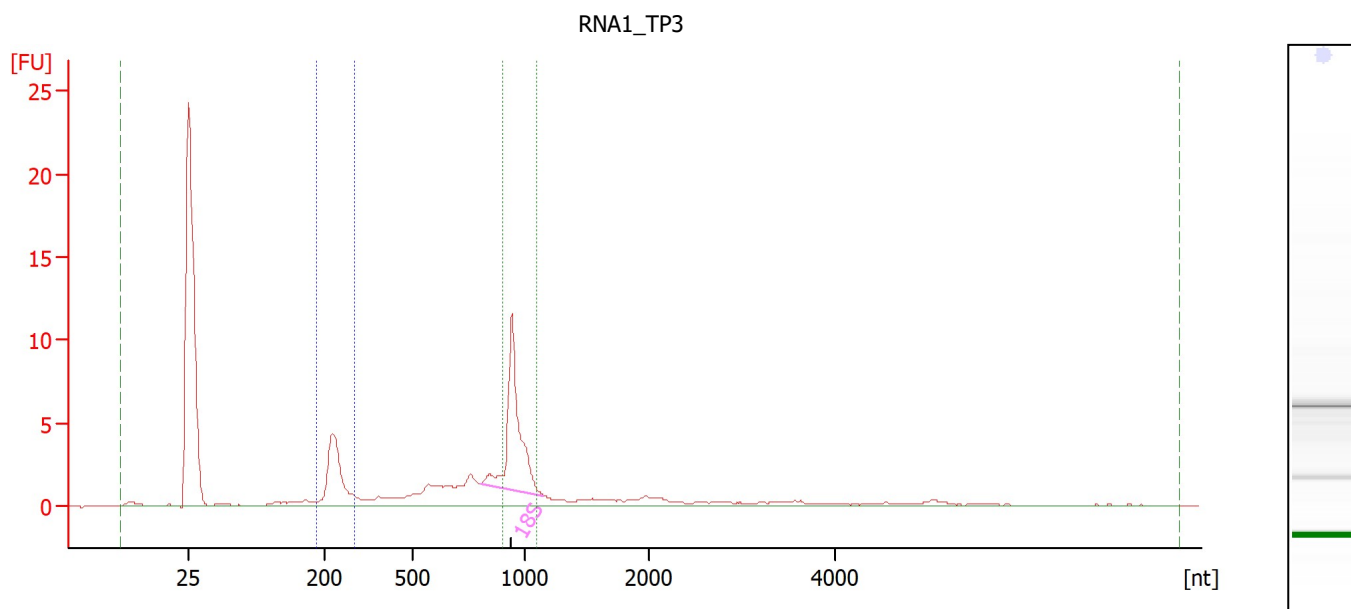
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	812	1,278	23.5	41.9

Region table for sample 3 : RNA1_TP2

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	8.3	15	
Region 2	900	1,100	24.1	43	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : RNA1_TP3**

RNA Area:	60.0	Result Flagging Color:	
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 7.50
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	10.3
RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)	Corr. Area 2:	18.8

Fragment table for sample 4 : RNA1_TP3

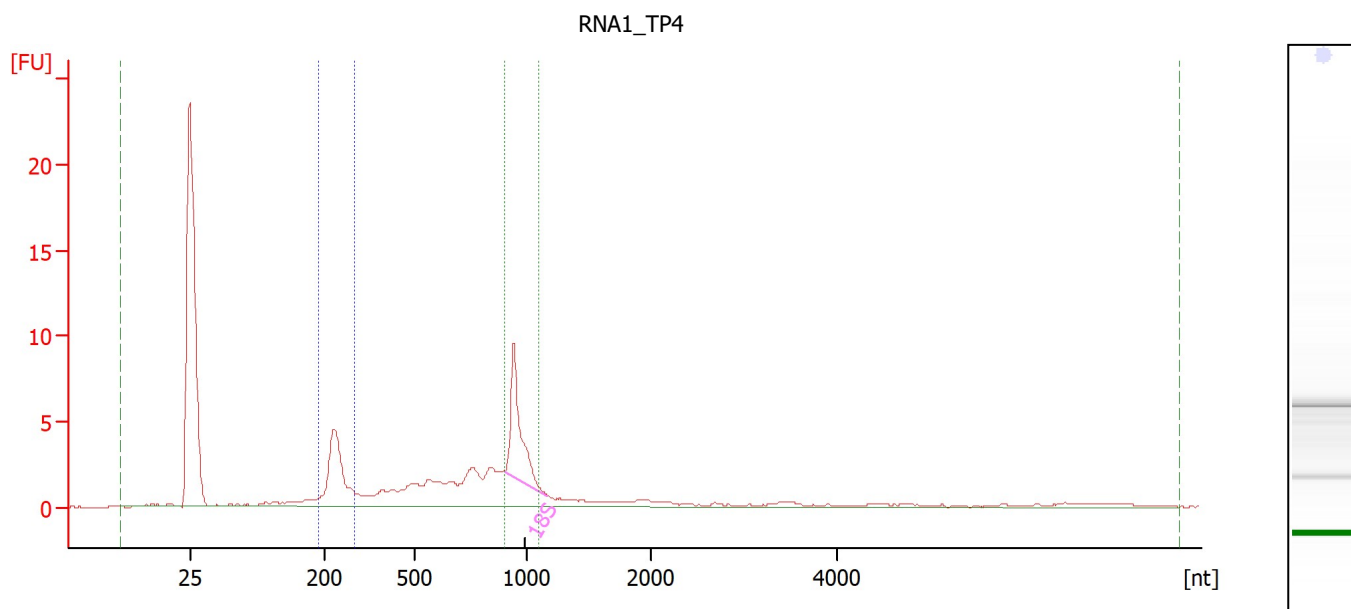
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	801	1,143	16.7	27.9

Region table for sample 4 : RNA1_TP3

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	10.3	17	
Region 2	900	1,100	18.8	31	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : RNA1_TP4**

RNA Area:	72.5	Result Flagging Color:	
RNA Concentration:	53 ng/μl	Result Flagging Label:	RIN: 6.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	11.7
RNA Integrity Number (RIN):	6.8 (B.02.10)	Corr. Area 2:	17.3

Fragment table for sample 5 : RNA1_TP4

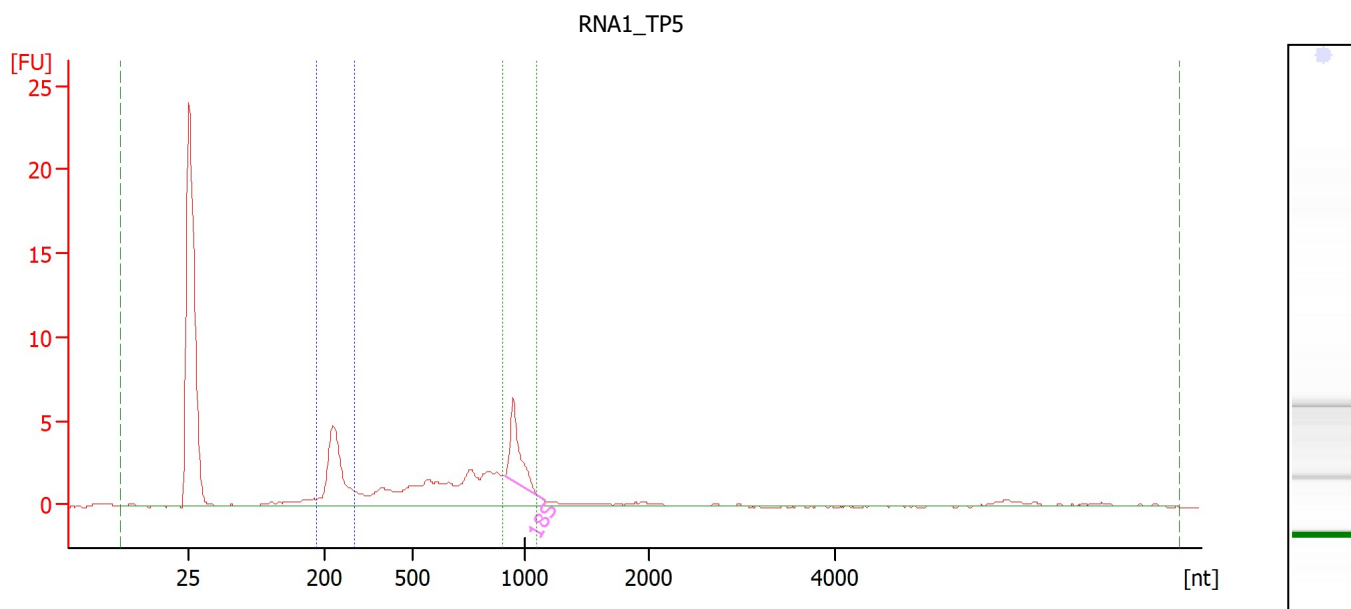
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	903	1,162	10.6	14.6

Region table for sample 5 : RNA1_TP4

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	11.7	16	
Region 2	900	1,100	17.3	24	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : RNA1_TP5**

RNA Area:	58.4	Result Flagging Color:	
RNA Concentration:	42 ng/μl	Result Flagging Label:	RIN: 6.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.1
RNA Integrity Number (RIN):	6.6 (B.02.10)	Corr. Area 2:	12.0

Fragment table for sample 6 : RNA1_TP5

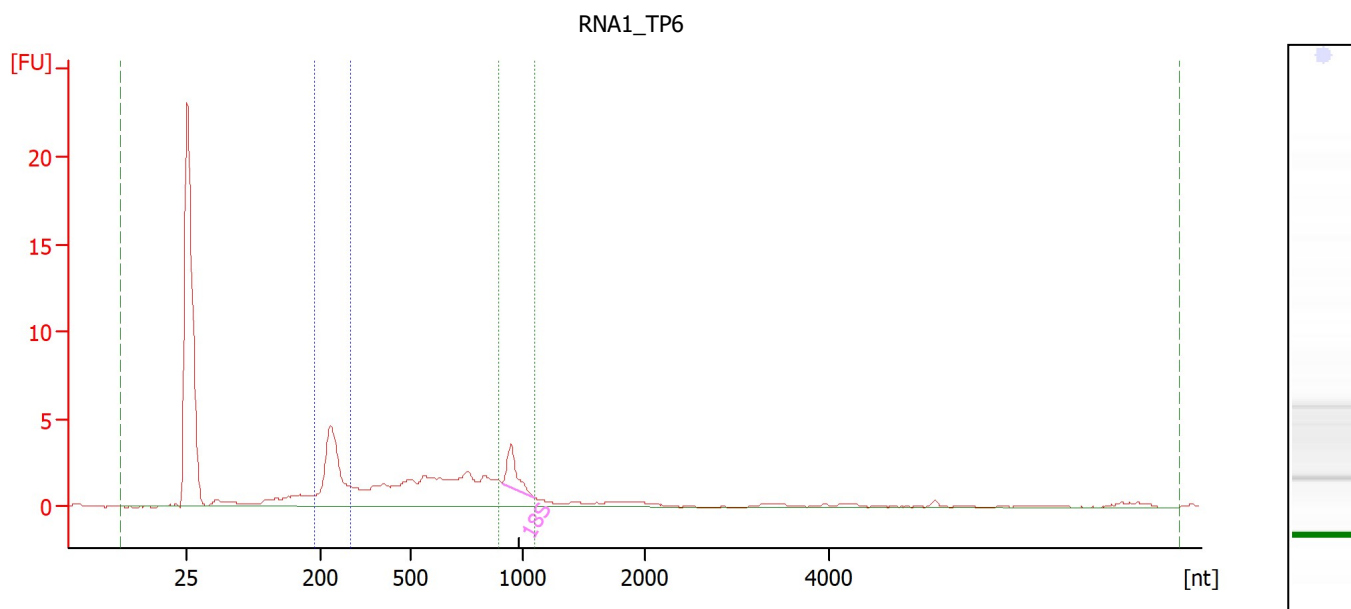
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	906	1,151	6.9	11.8

Region table for sample 6 : RNA1_TP5

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	12.1	21	
Region 2	900	1,100	12.0	21	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : RNA1_TP6**

RNA Area:	61.7	Result Flagging Color:	<div style="background-color: #d1c4e9; width: 30px; height: 15px; display: inline-block;"></div>
RNA Concentration:	45 ng/μl	Result Flagging Label:	RIN: 4.80
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	12.7
RNA Integrity Number (RIN):	4.8 (B.02.10)	Corr. Area 2:	7.5

Fragment table for sample 7 : RNA1_TP6

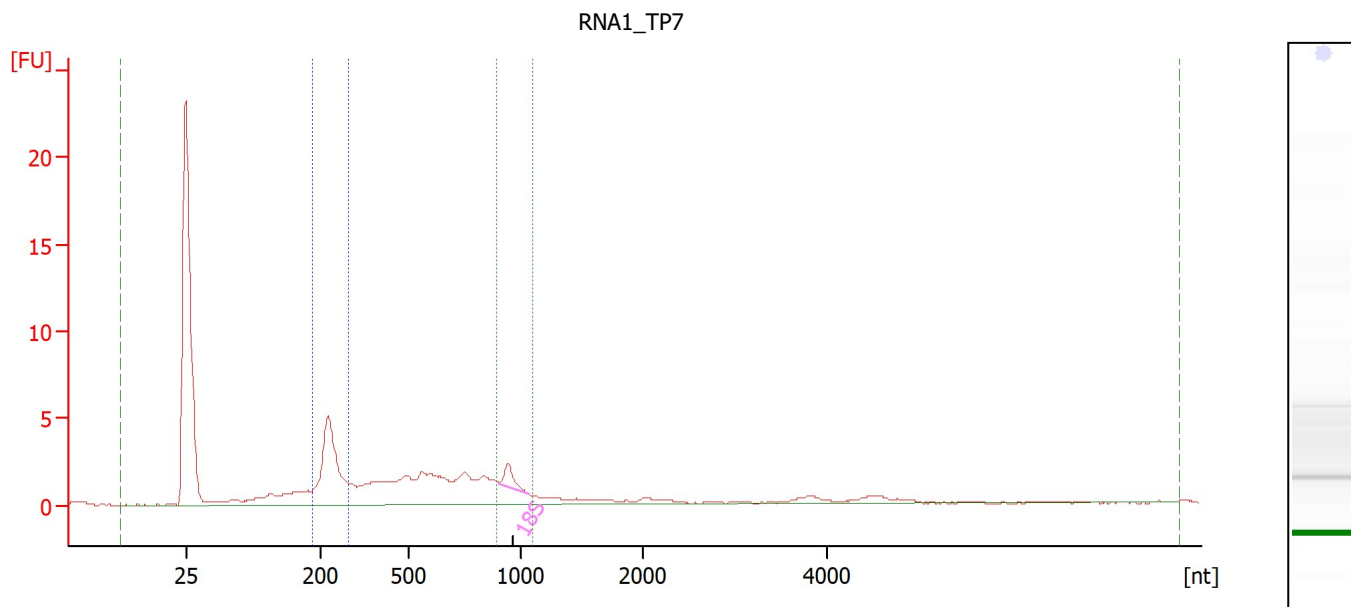
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	913	1,112	3.1	5.0

Region table for sample 7 : RNA1_TP6

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	12.7	21	<div style="background-color: #0000ff; width: 20px; height: 15px; display: inline-block;"></div>
Region 2	900	1,100	7.5	12	<div style="background-color: #008000; width: 20px; height: 15px; display: inline-block;"></div>

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : RNA1_TP7**

RNA Area:	65.6	Result Flagging Color:	
RNA Concentration:	48 ng/μl	Result Flagging Label:	RIN:3
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	14.7
RNA Integrity Number (RIN):	3 (B.02.10)	Corr. Area 2:	5.4

Fragment table for sample 8 : RNA1_TP7

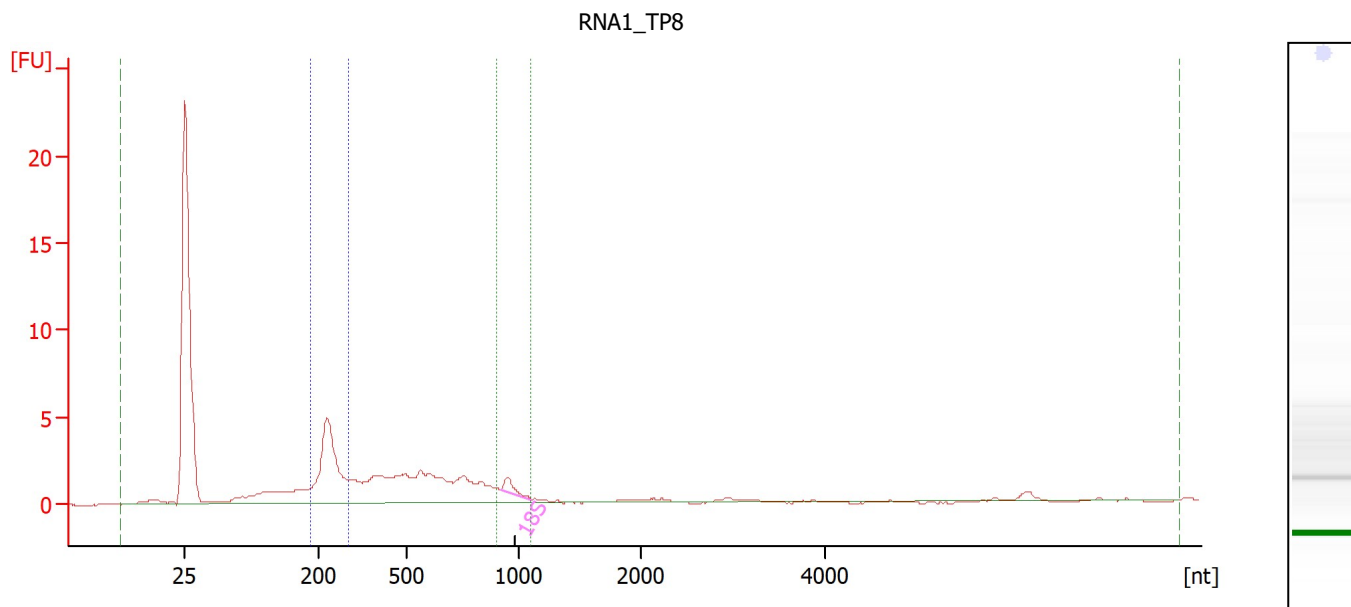
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	906	1,065	1.7	2.6

Region table for sample 8 : RNA1_TP7

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	14.7	22	
Region 2	900	1,100	5.4	8	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
 Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : RNA1_TP8**

RNA Area:	61.2	Result Flagging Color:	
RNA Concentration:	44 ng/μl	Result Flagging Label:	RIN: 2.60
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	15.0
RNA Integrity Number (RIN):	2.6 (B.02.10)	Corr. Area 2:	3.5

Fragment table for sample 9 : RNA1_TP8

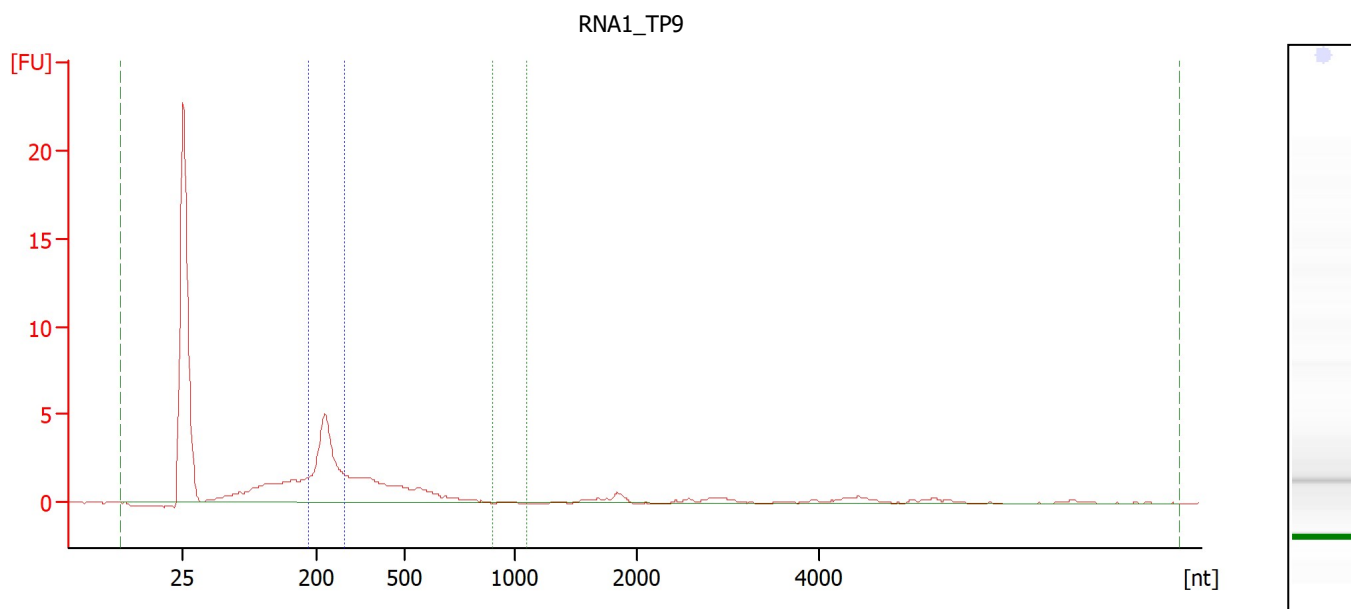
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	919	1,107	1.1	1.8


Region table for sample 9 : RNA1_TP8

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	15.0	25	
Region 2	900	1,100	3.5	6	



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : RNA1_TP9**

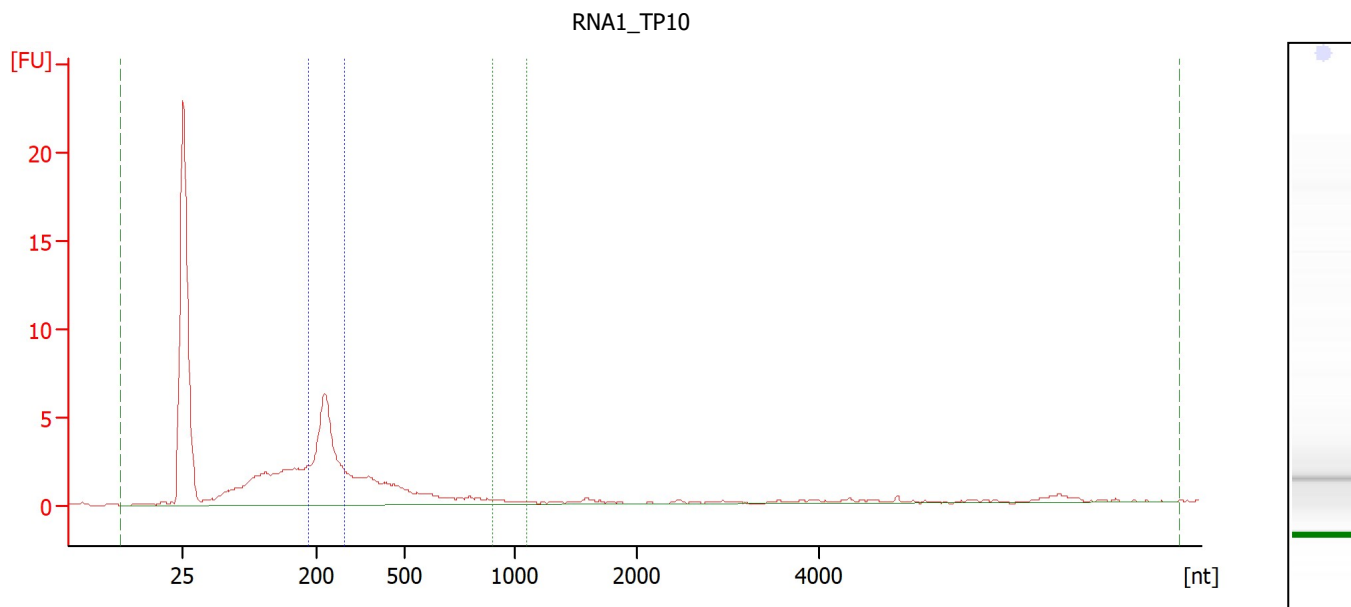
RNA Area:	52.3	Result Flagging Color:	
RNA Concentration:	38 ng/μl	Result Flagging Label:	RIN:2
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	16.7
RNA Integrity Number (RIN):	2 (B.02.10)	Corr. Area 2:	0.1

Region table for sample 10 : RNA1_TP9

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	16.7	32	
Region 2	900	1,100	0.1	0	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : RNA1_TP10**

RNA Area:	67.8	Result Flagging Color:	
RNA Concentration:	49 ng/μl	Result Flagging Label:	RIN: 2.30
rRNA Ratio [28s / 18s]:	0.0	Corr. Area 1:	21.6
RNA Integrity Number (RIN):	2.3 (B.02.10)	Corr. Area 2:	0.6

Region table for sample 11 : RNA1_TP10

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
Region 1	190	300	21.6	32	
Region 2	900	1,100	0.6	1	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2020-10-07\Eukaryote Total RNA Nano_2020-10-07_13-56-03.xad

Created: 10/7/2020 1:56:02 PM
Modified: 10/7/2020 2:30:29 PM

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