

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-09\2018-11-09_001.xad

Created: 11/9/2018 2:13:45 PM
Modified: 11/9/2018 2:35:25 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 Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

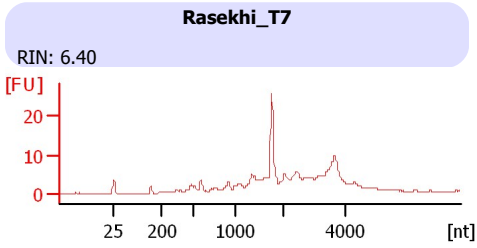
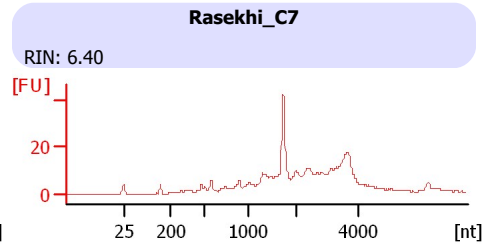
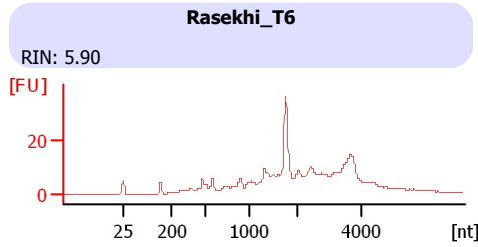
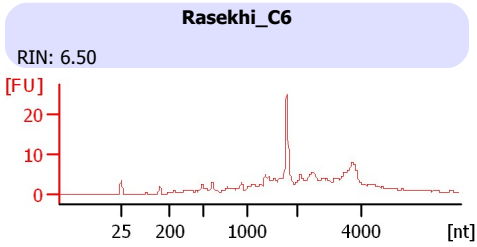
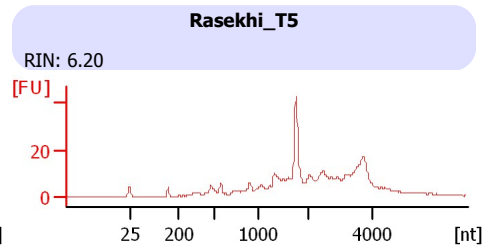
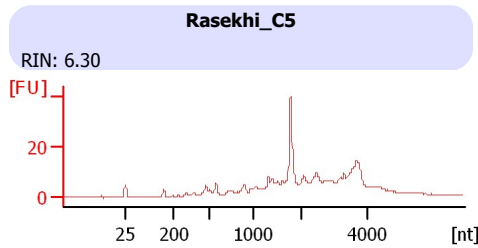
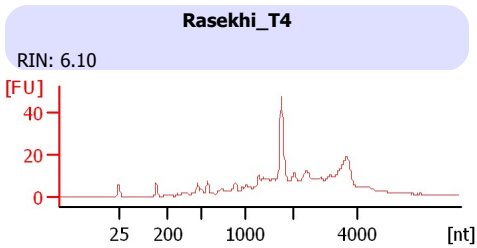
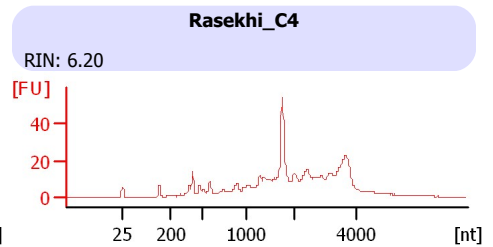
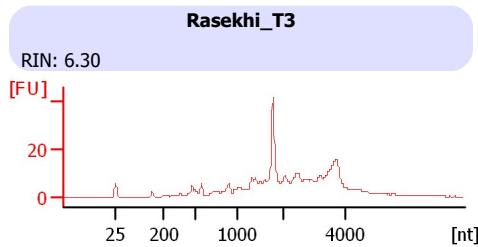
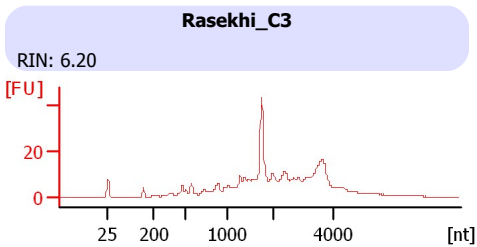
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Rasekhi_C3		✓	RIN: 6.20	
Rasekhi_T3		✓	RIN: 6.30	
Rasekhi_C4		✓	RIN: 6.20	
Rasekhi_T4		✓	RIN: 6.10	
Rasekhi_C5		✓	RIN: 6.30	
Rasekhi_T5		✓	RIN: 6.20	
Rasekhi_C6		✓	RIN: 6.50	
Rasekhi_T6		✓	RIN: 5.90	
Rasekhi_C7		✓	RIN: 6.40	
Rasekhi_T7		✓	RIN: 6.40	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

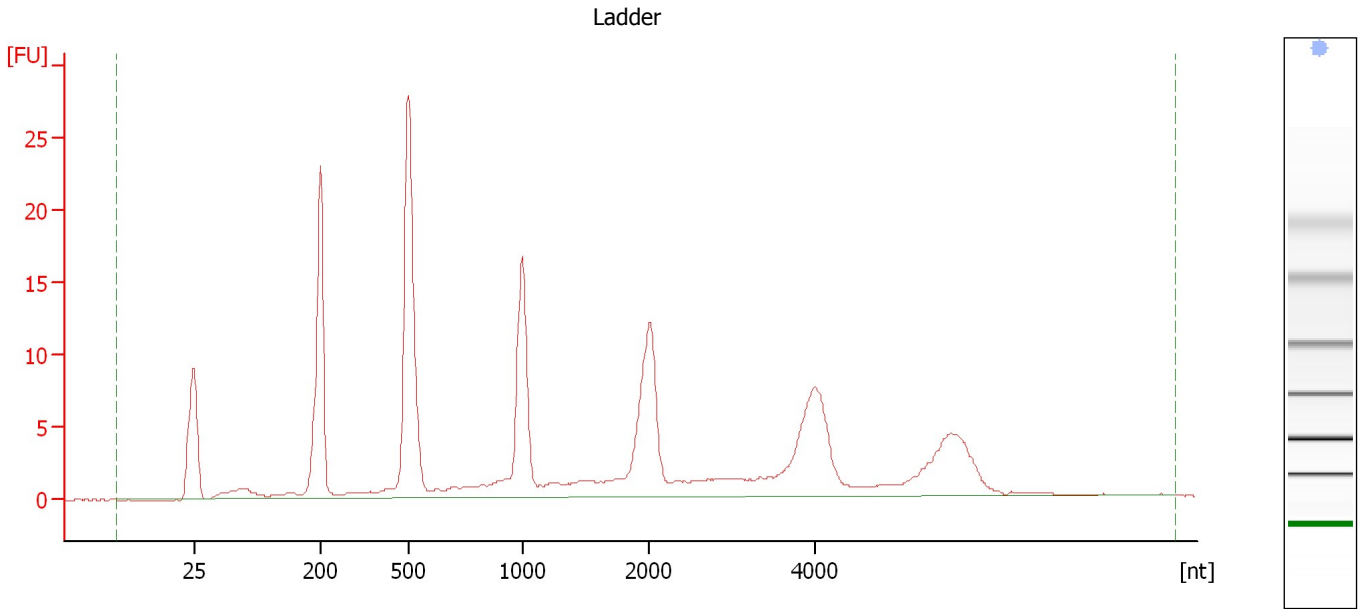
Ladder

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

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Electropherogram Summary



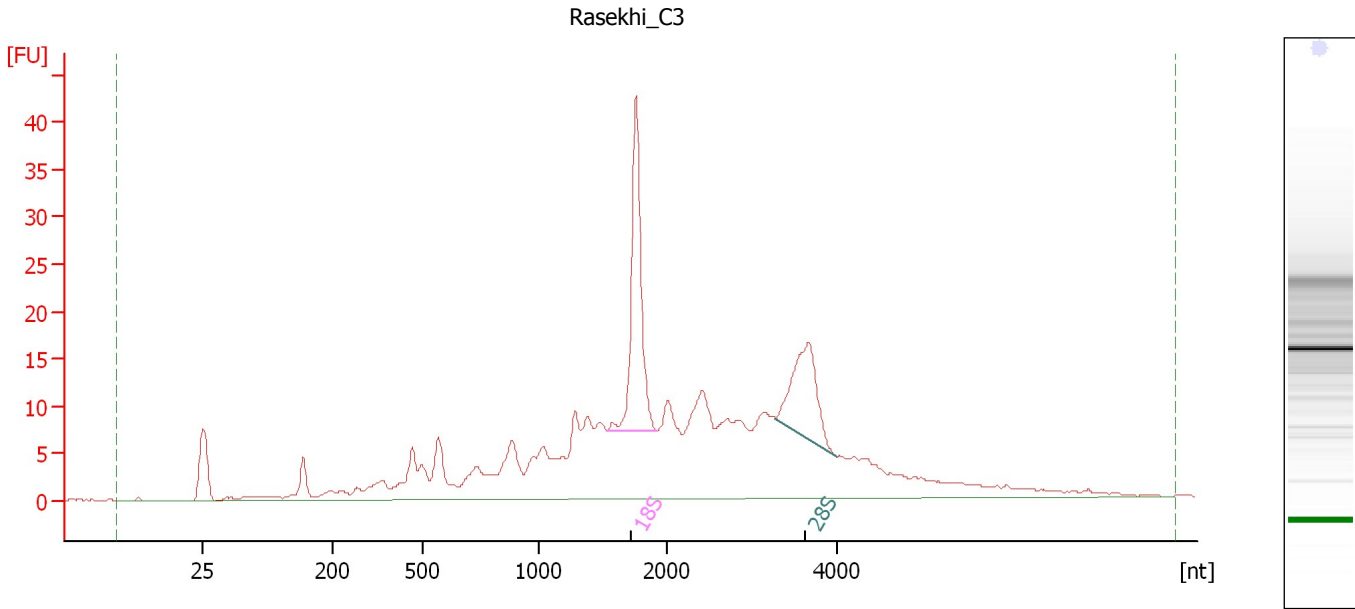
Overall Results for Ladder

RNA Area:	211.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Rasekhi_C3

RNA Area: 406.8 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 1,928 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 6.20

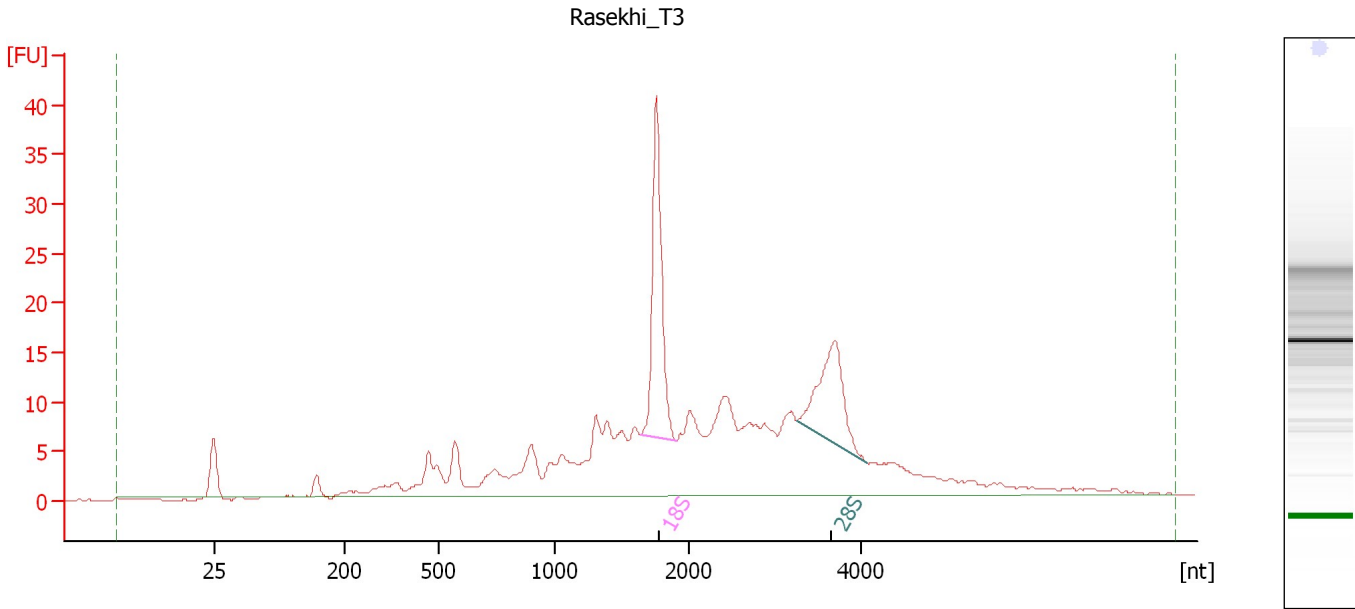
Fragment table for sample 1 : Rasekhi_C3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,915	42.7	10.5
28S	3,274	3,995	25.2	6.2

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 2 : Rasekhi_T3

RNA Area: 343.7 RNA Integrity Number (RIN): 6.3 (B.02.08)
RNA Concentration: 1,629 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 6.30

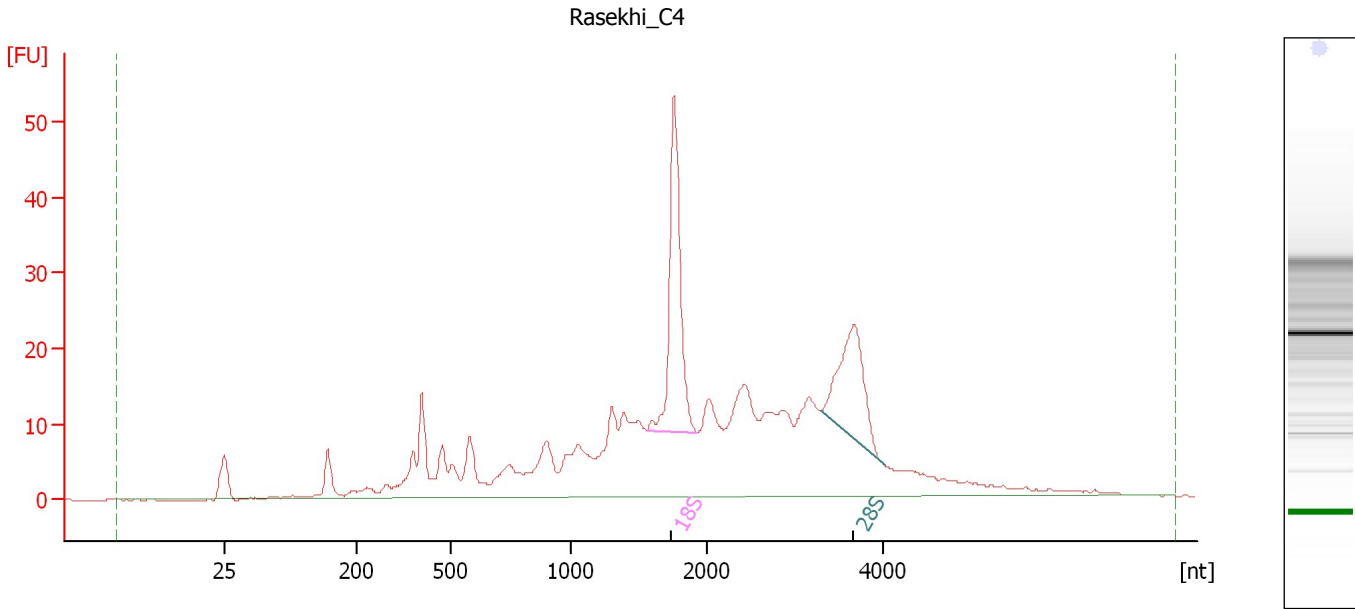
Fragment table for sample 2 : Rasekhi_T3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,915	37.7	11.0
28S	3,257	4,075	25.3	7.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-09\2018-11-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Rasekhi_C4

RNA Area: 517.6 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 2,453 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 6.20

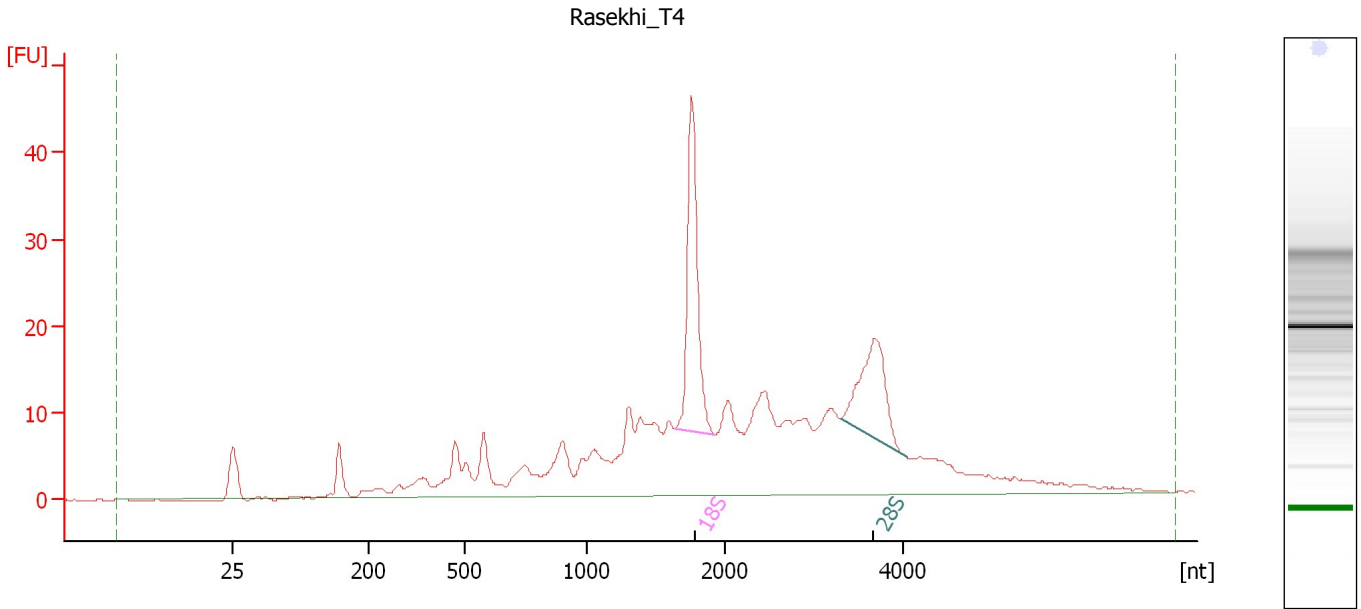
Fragment table for sample 3 : Rasekhi_C4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,549	1,930	54.8	10.6
28S	3,291	4,021	37.3	7.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-09\2018-11-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Rasekhi_T4

RNA Area: 415.4 RNA Integrity Number (RIN): 6.1 (B.02.08)
RNA Concentration: 1,969 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 6.10

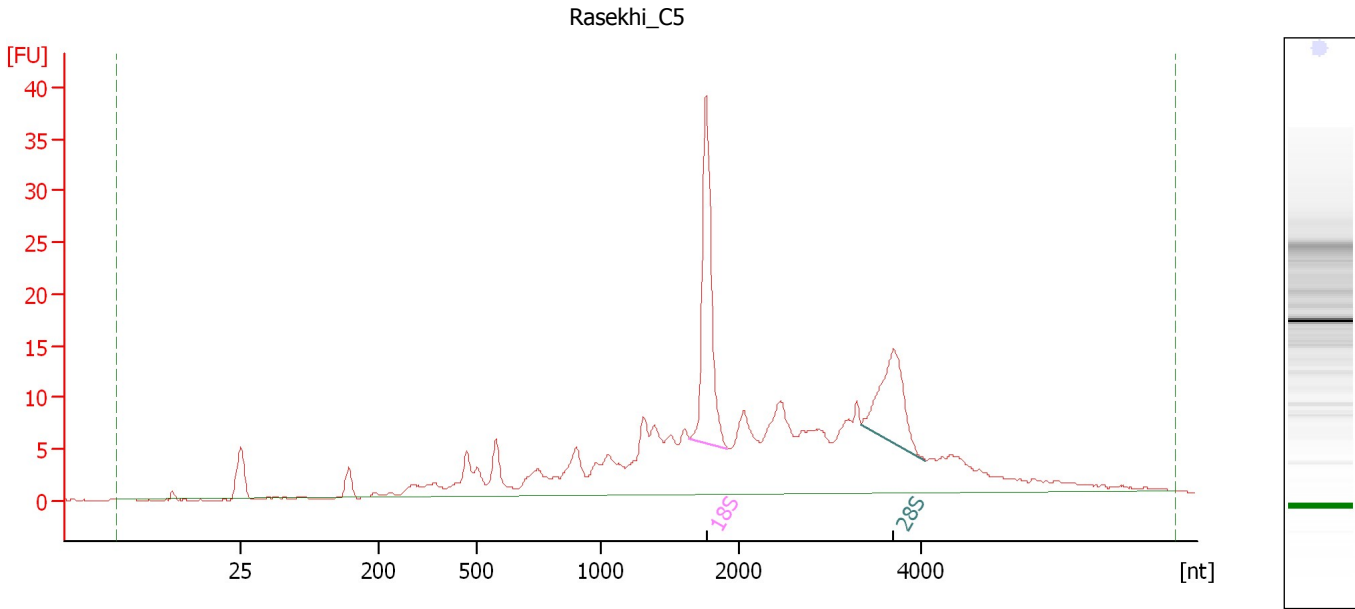
Fragment table for sample 4 : Rasekhi_T4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	1,929	43.7	10.5
28S	3,288	4,029	28.0	6.7

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Rasekhi_C5

RNA Area: 295.2 RNA Integrity Number (RIN): 6.3 (B.02.08)
RNA Concentration: 1,399 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 6.30

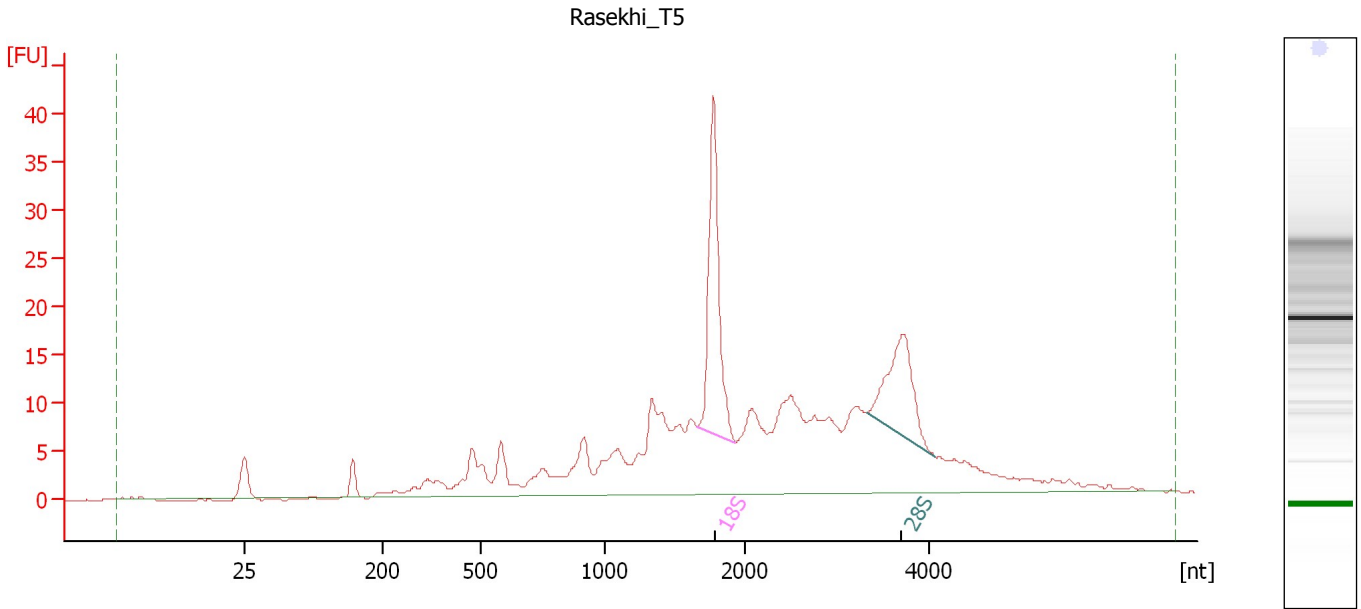
Fragment table for sample 5 : Rasekhi_C5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	1,911	34.5	11.7
28S	3,348	4,054	19.9	6.7

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 6 : Rasekhi_T5

RNA Area: 352.6 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 1,671 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 6.20

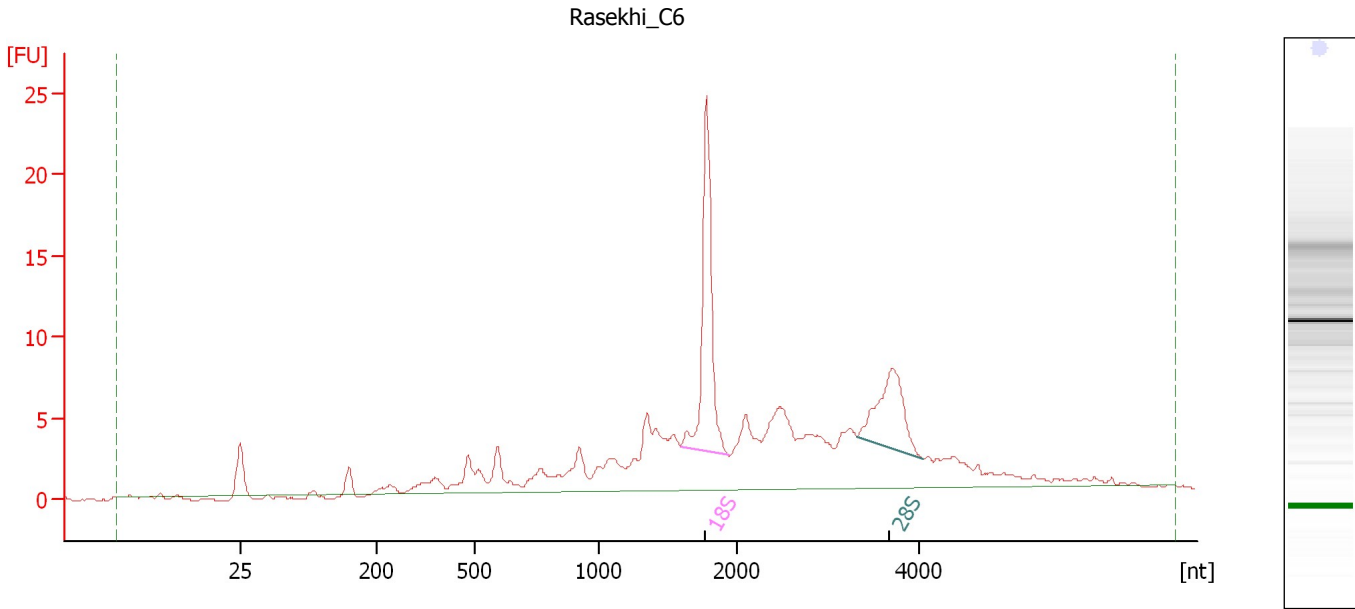
Fragment table for sample 6 : Rasekhi_T5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	1,928	39.6	11.2
28S	3,331	4,069	25.5	7.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-09\2018-11-09_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : Rasekhi_C6

RNA Area: 162.9 RNA Integrity Number (RIN): 6.5 (B.02.08)
RNA Concentration: 772 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 6.50

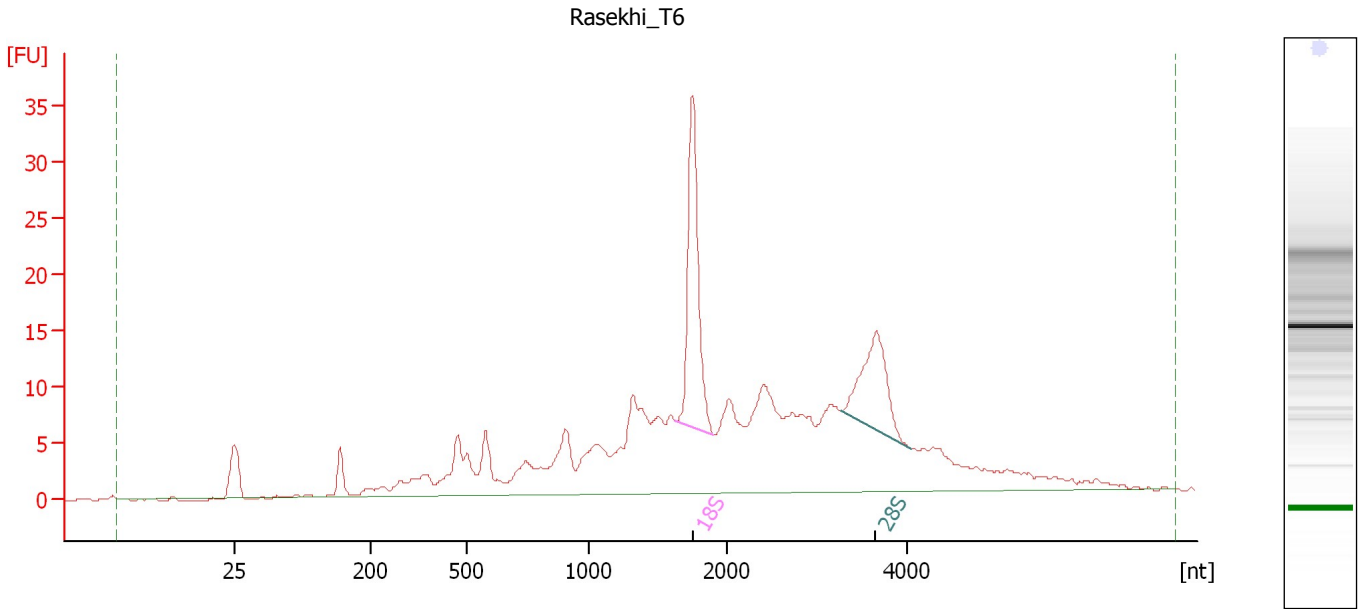
Fragment table for sample 7 : Rasekhi_C6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,587	1,933	22.0	13.5
28S	3,326	4,046	12.1	7.4

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 8 : Rasekhi_T6

RNA Area:	345.5	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	1,637 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.90

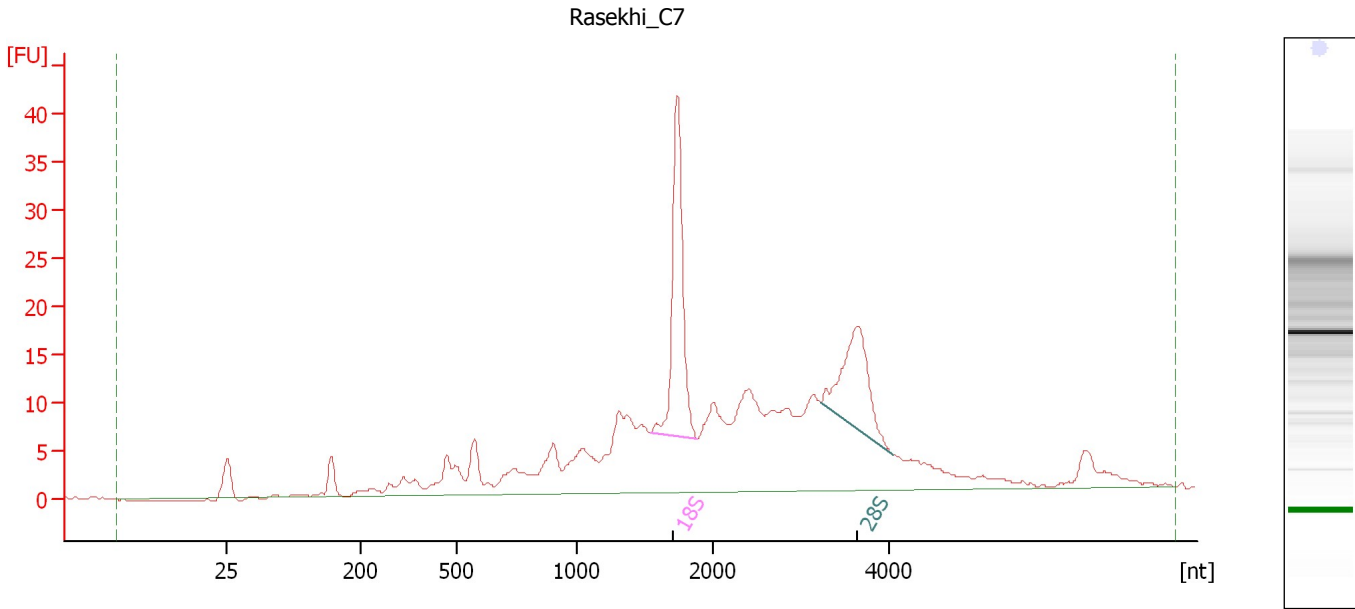
Fragment table for sample 8 : Rasekhi_T6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,626	1,898	34.5	10.0
28S	3,263	4,050	21.3	6.2

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Rasekhi_C7

RNA Area: 375.9 RNA Integrity Number (RIN): 6.4 (B.02.08)
RNA Concentration: 1,782 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 6.40

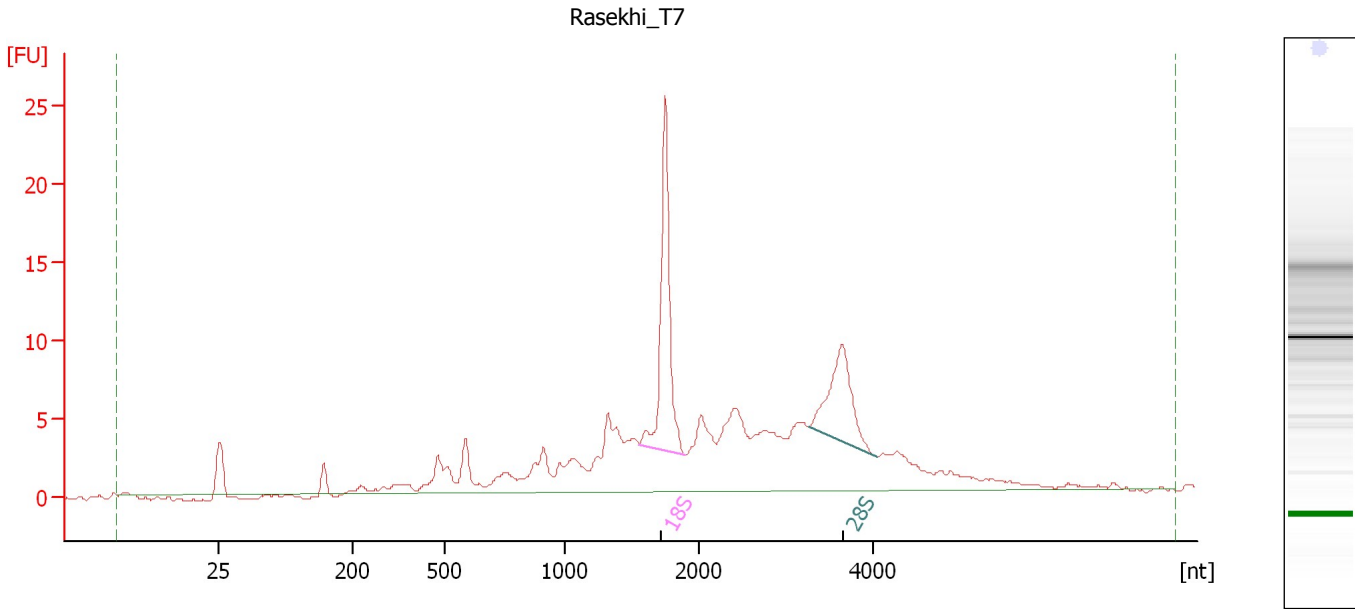
Fragment table for sample 9 : Rasekhi_C7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,538	1,885	42.0	11.2
28S	3,214	4,036	27.7	7.4

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Rasekhi T7

RNA Area:	181.1	RNA Integrity Number (RIN):	6.4 (B.02.08)
RNA Concentration:	859 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 6.40

Fragment table for sample 10 : Rasekhi T7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,895	23.2	12.8
28S	3,261	4,059	14.0	7.7

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Invalid Samples

Sample 11 has not been run, no results available.