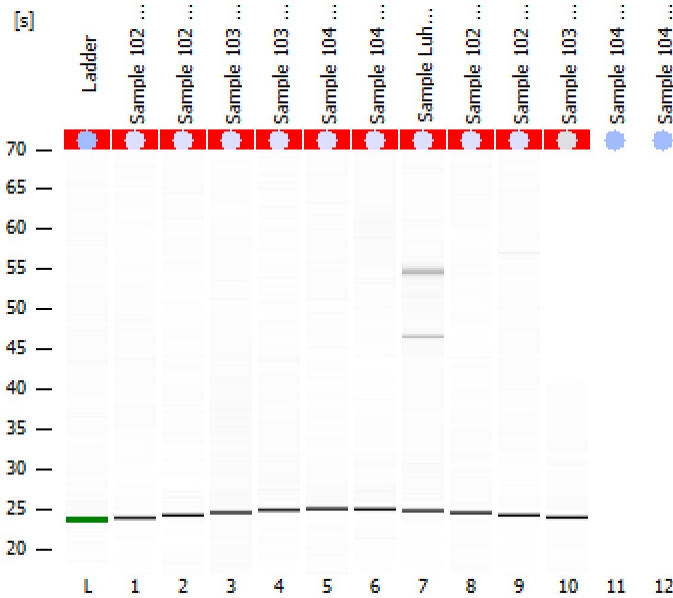


Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
Modified: 3/6/2020 10:37:12 AM

Electrophoresis File Run Summary



Instrument Information:

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

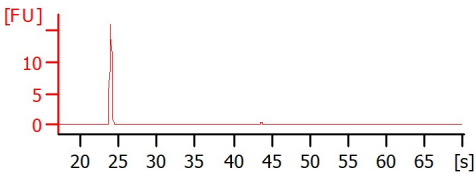
Assay Information:

Assay Origin Path: C:\Program Files (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.

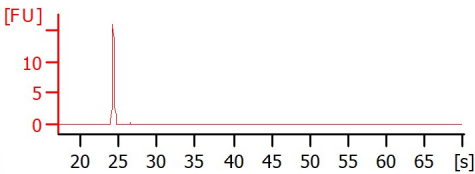
Chip Information:

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

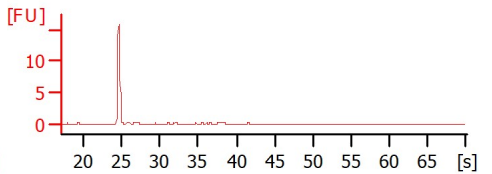
Sample 102 L brain
RIN:1



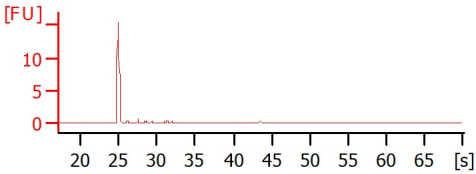
Sample 102 Liver
RIN:1



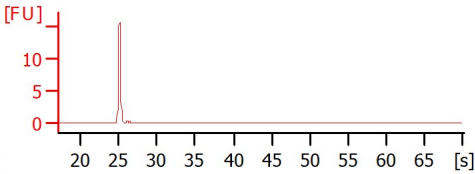
Sample 103 L brain
RIN:1



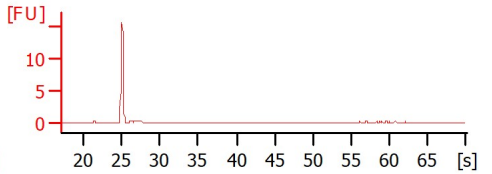
Sample 103 Liver
RIN:1



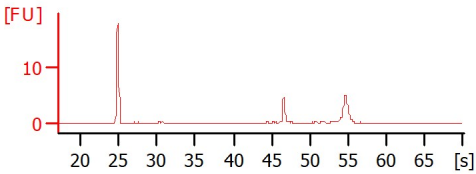
Sample 104 L brain
RIN:1



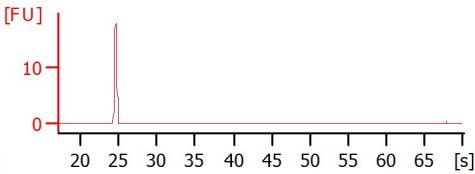
Sample 104 Liver
RIN:1



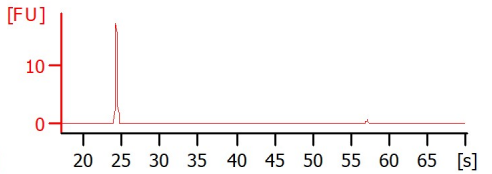
Sample Luhmes RNA
RIN: 8.90



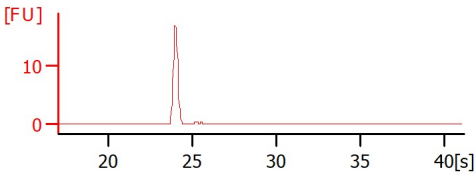
Sample 102 L Brain
RIN:1



Sample 102 Liver
RIN:1



Sample 103 Liver
RIN N/A



Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 102 L brain		✓	RIN:1	
Sample 102 Liver		✓	RIN:1	
Sample 103 L brain		✓	RIN:1	
Sample 103 Liver		✓	RIN:1	
Sample 104 L brain		✓	RIN:1	
Sample 104 Liver		✓	RIN:1	
Sample Luhmes RNA		✓	RIN: 8.90	
Sample 102 L Brain		✓	RIN:1	
Sample 102 Liver		✓	RIN:1	
Sample 103 Liver		✗	RIN N/A	
Sample 104 L Brain		✗		
Sample 104 Liver		✗		
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

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

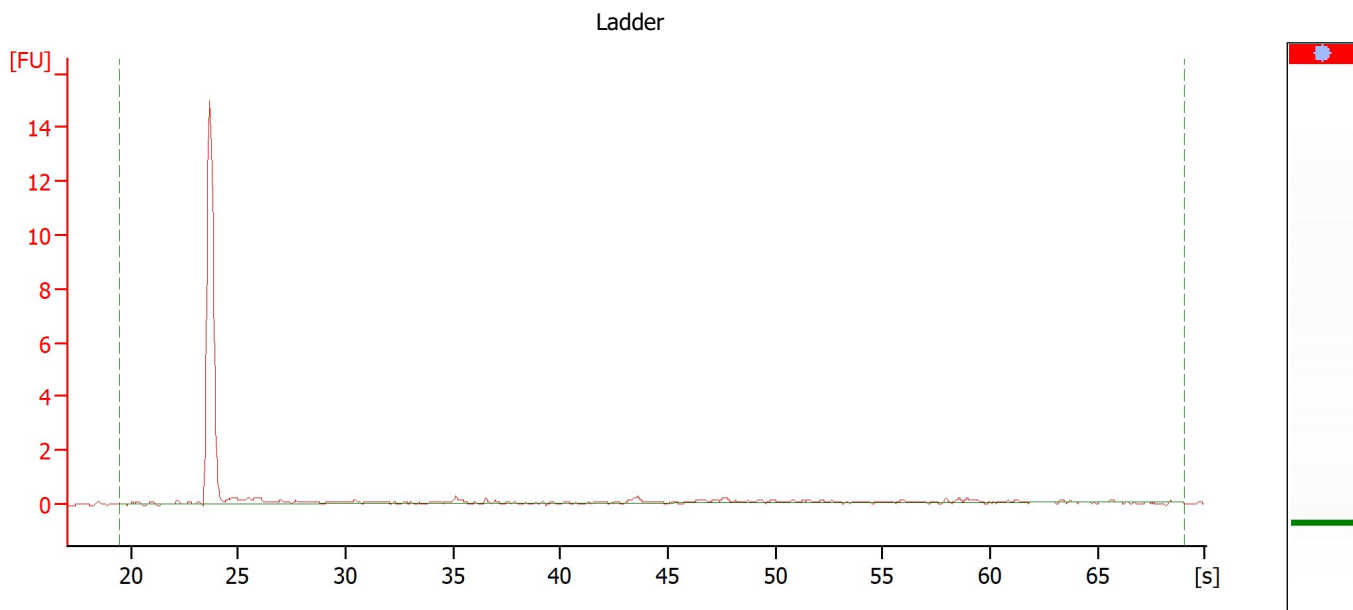
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary



Overall Results for Ladder

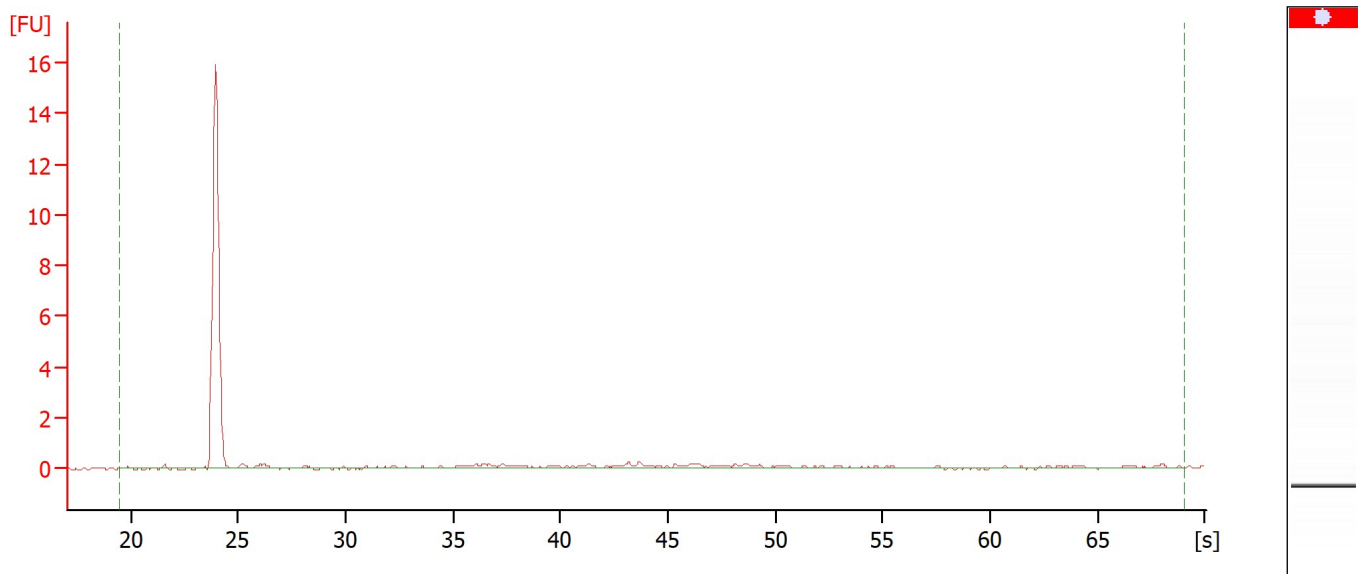
RNA Area:	5.5	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 102 L brain



Overall Results for sample 1 : Sample 102 L brain

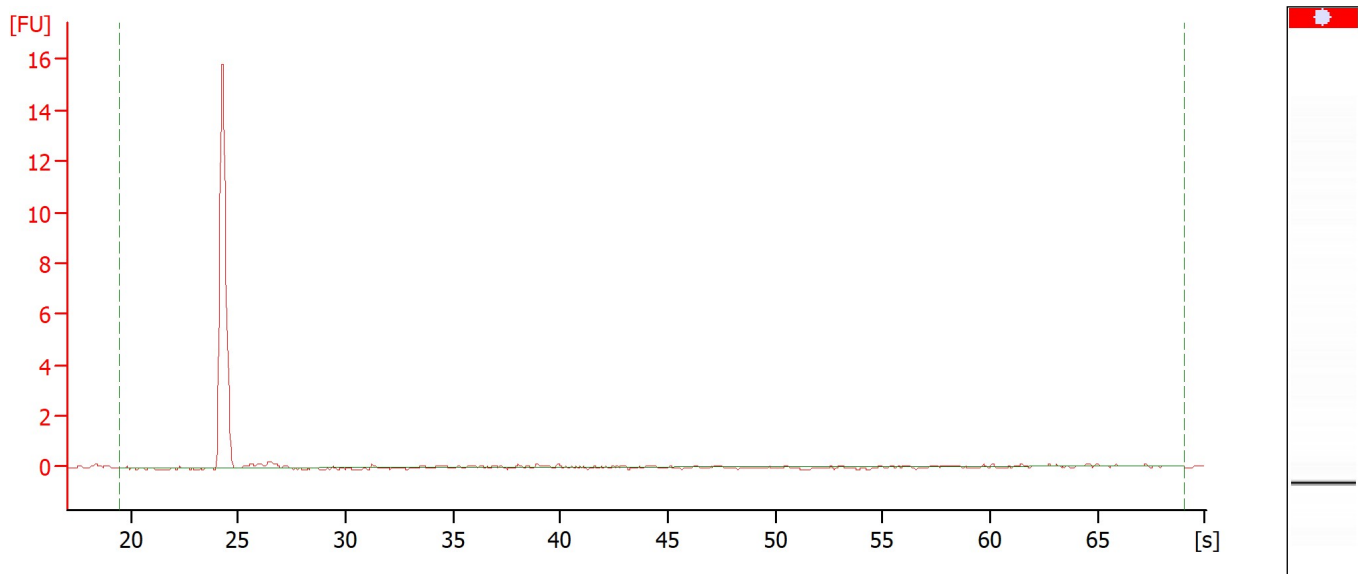
RNA Area:	26.2	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	716 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 102 Liver



Overall Results for sample 2 : Sample 102 Liver

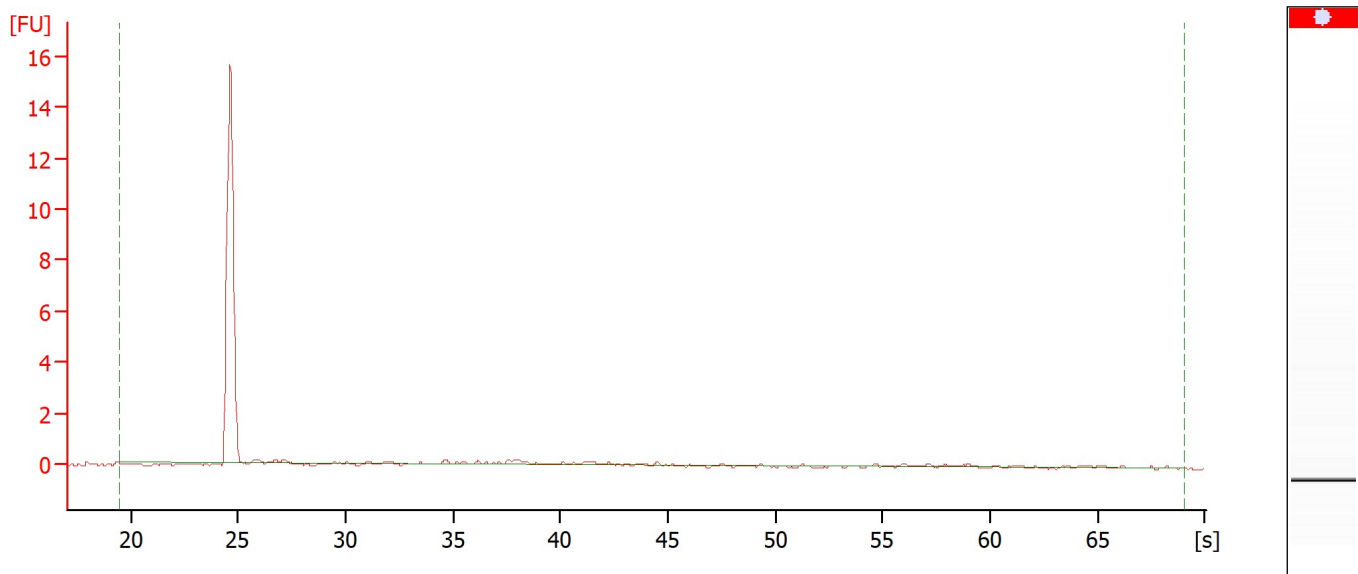
RNA Area:	23.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	653 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 103 L brain



Overall Results for sample 3 : Sample 103 L brain

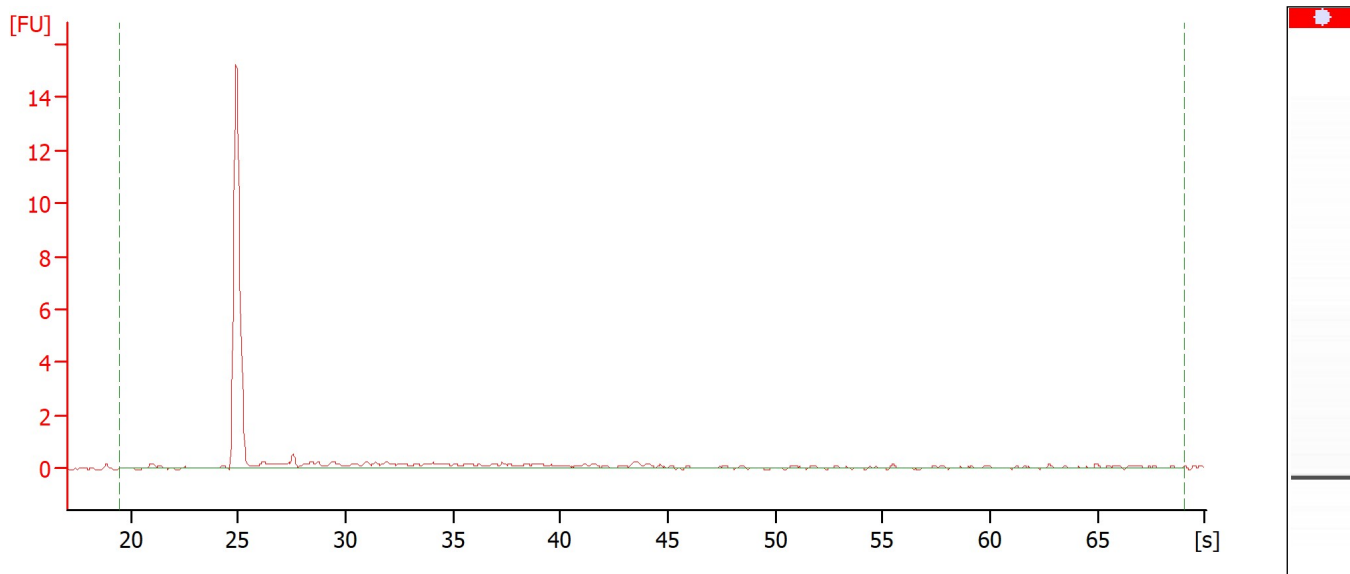
RNA Area:	24.0	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	656 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 103 Liver



Overall Results for sample 4 : Sample 103 Liver

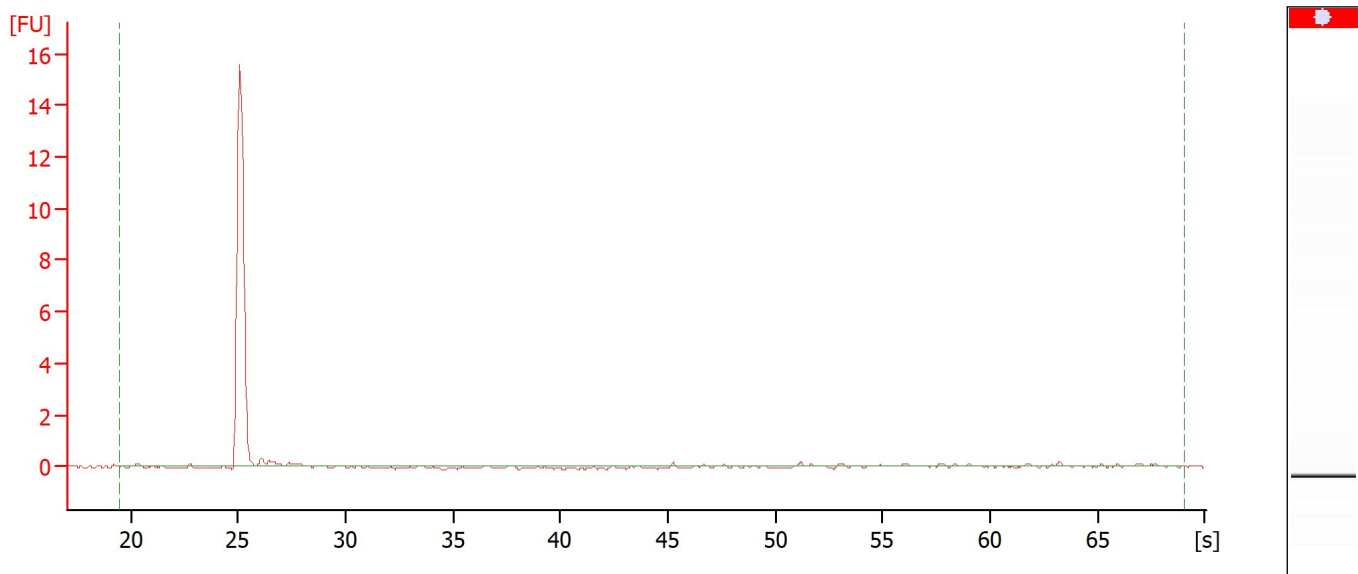
RNA Area:	29.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	800 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 104 L brain



Overall Results for sample 5 : Sample 104 L brain

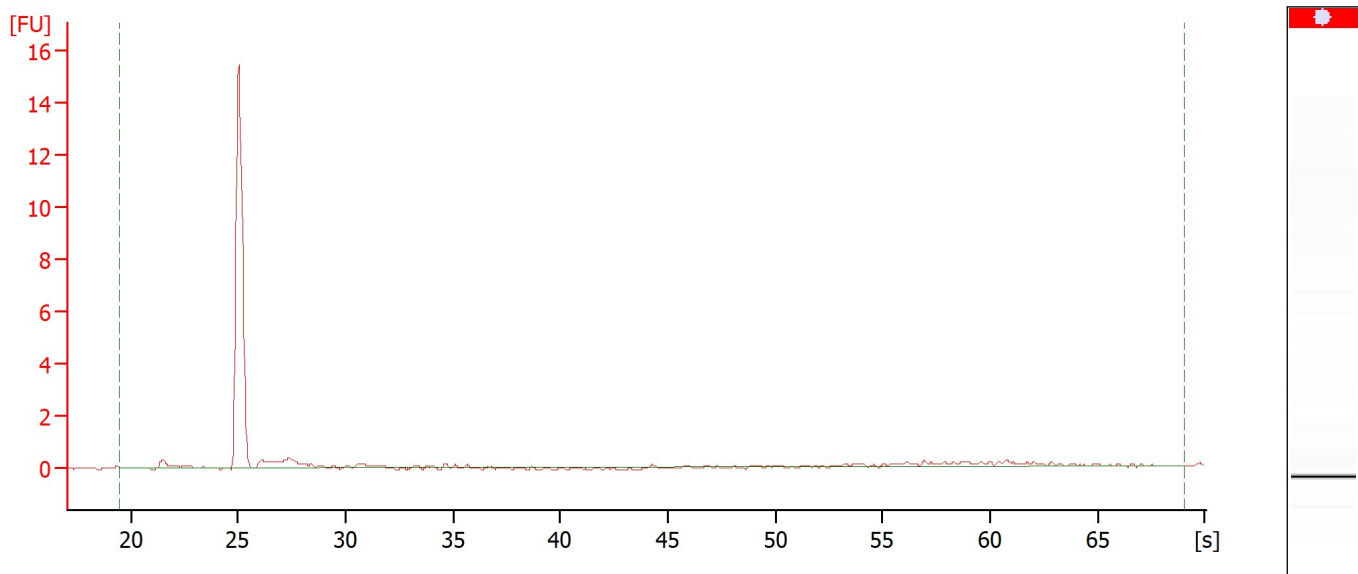
RNA Area:	23.7	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	647 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 104 Liver



Overall Results for sample 6 : Sample 104 Liver

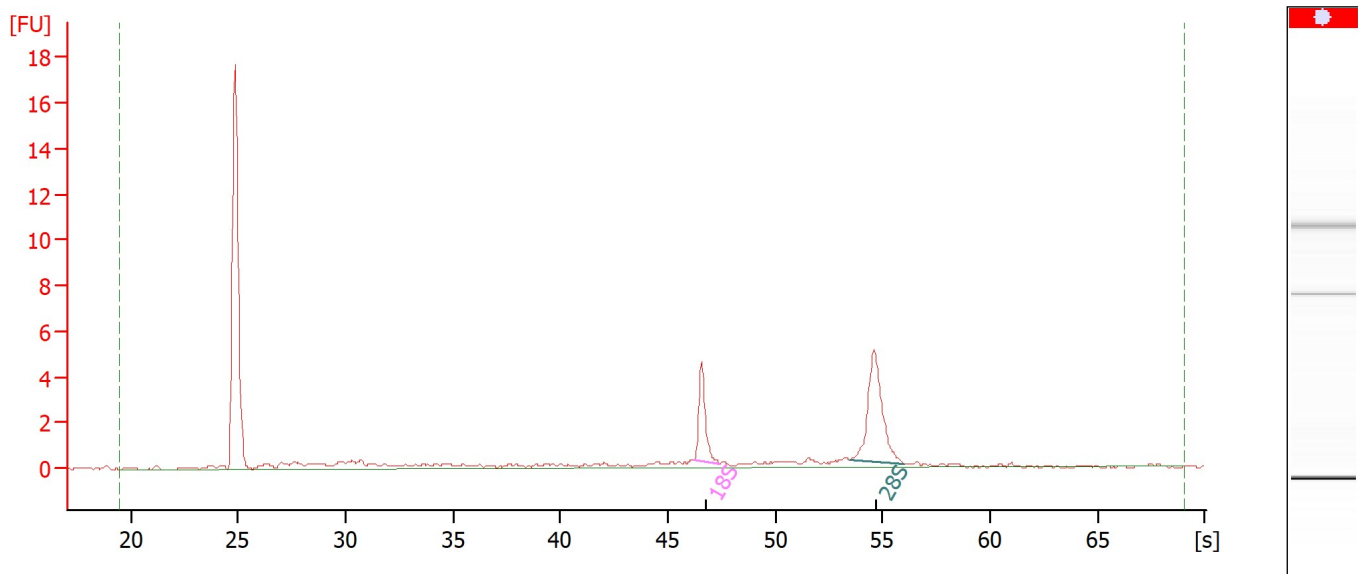
RNA Area:	25.4	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	693 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample Luhmes RNA



Overall Results for sample 7 : Sample Luhmes RNA

RNA Area:	49.9	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	1,361 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.90

Fragment table for sample 7 : Sample Luhmes RNA

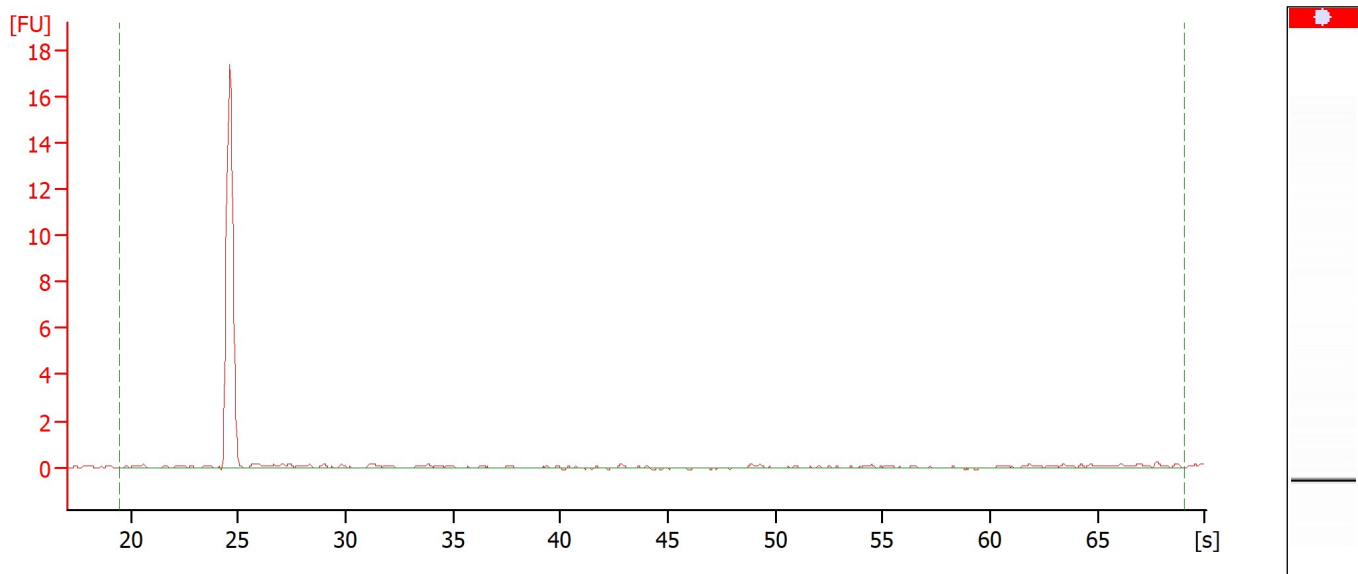
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	0	0	3.3	6.7
28S	0	0	7.0	14.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 102 L Brain



Overall Results for sample 8 : Sample 102 L Brain

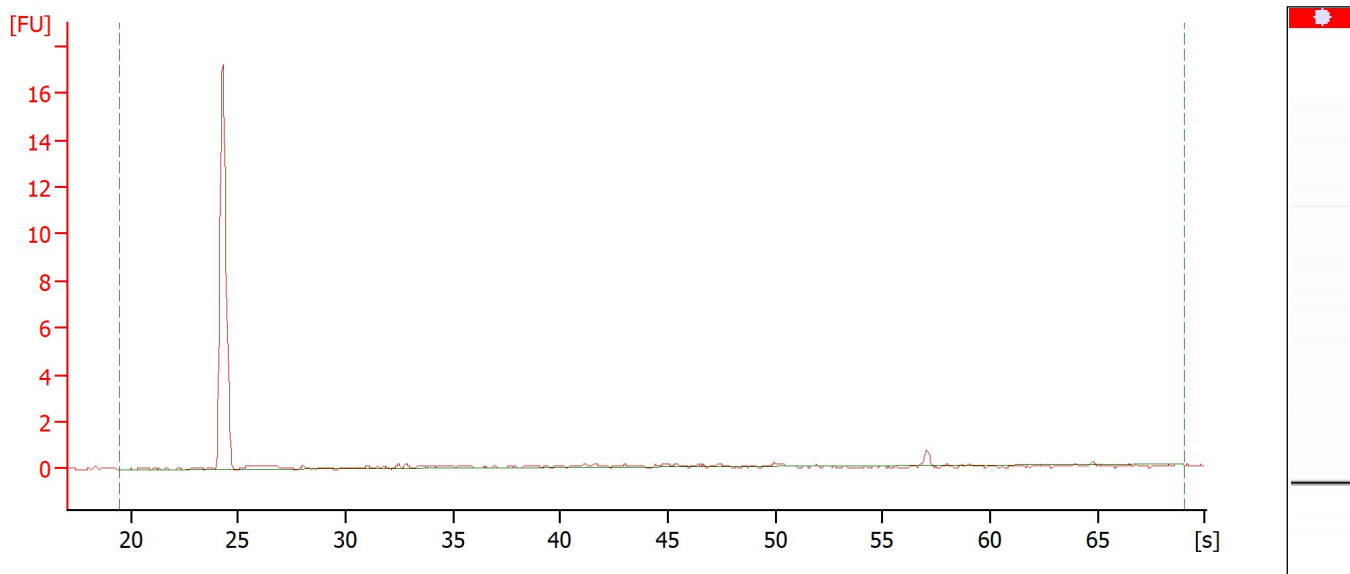
RNA Area:	27.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	761 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 102 Liver



Overall Results for sample 9 : Sample 102 Liver

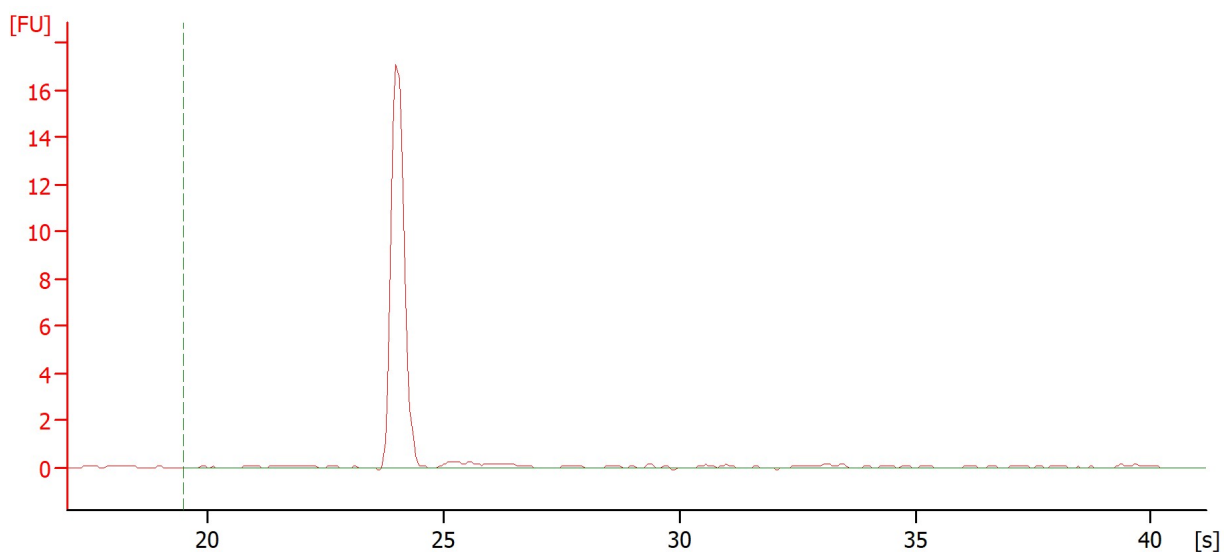
RNA Area:	29.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	801 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
 Modified: 3/6/2020 10:37:12 AM

Electropherogram Summary Continued ...

Sample 103 Liver



Setpoint Deviations for sample 10 : Sample 103 Liver

End Analysis Time Range [s] : 41.15

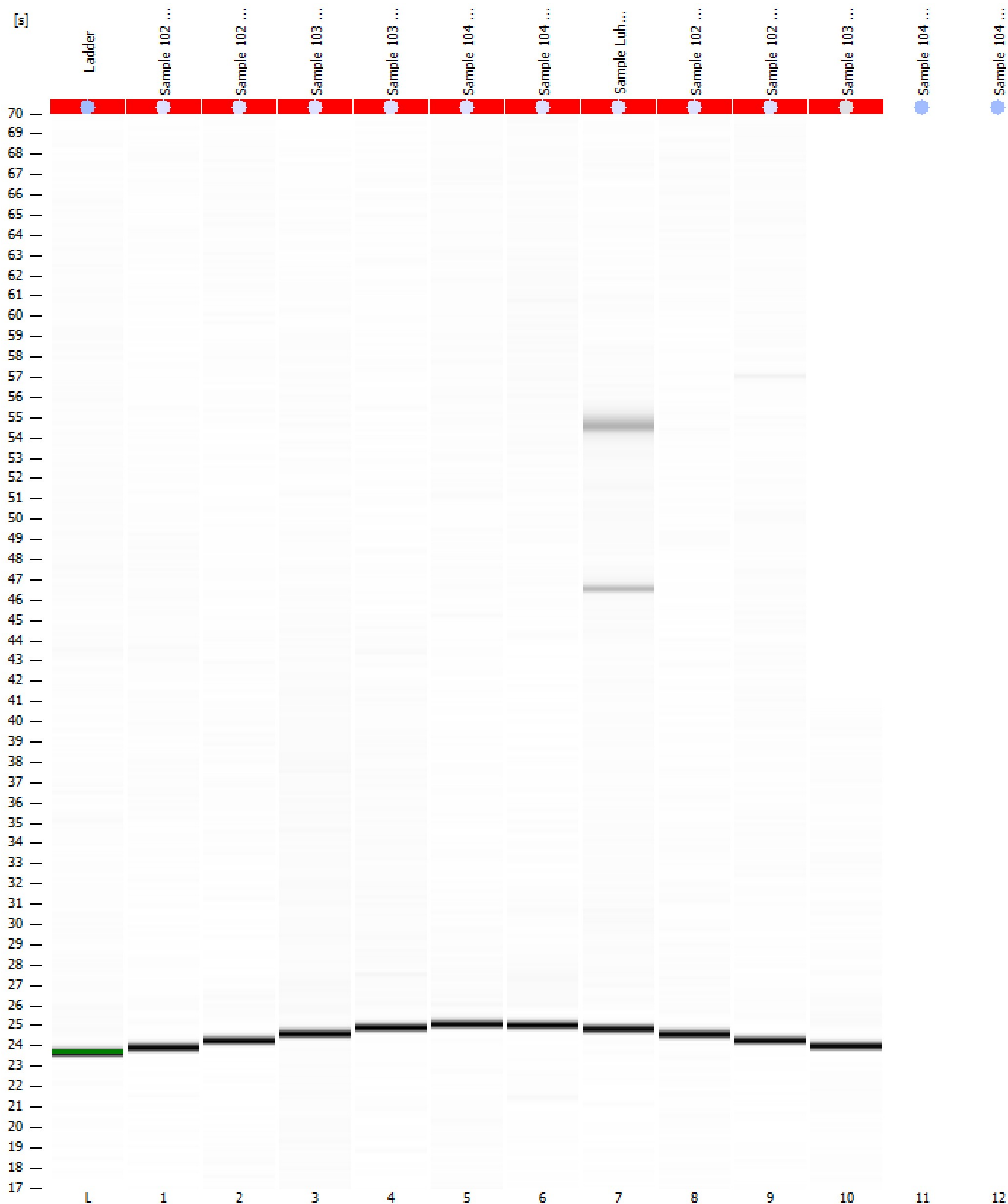
Overall Results for sample 10 : Sample 103 Liver

RNA Area:	26.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	722 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
Modified: 3/6/2020 10:37:12 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad

Created: 3/6/2020 10:16:30 AM
Modified: 3/6/2020 10:37:12 AM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano Created: 3/6/2020 10:16:30 AM
 Data Path: Z:\...06\Bioanalyzer1_Eukaryote Total RNA Nano_2020-03-06_001.xad Modified: 3/6/2020 10:37:12 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		3/6/2020 10:37:09 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-03-06\Bioanalyze r1_Eukaryote Total RNA Nano_2020-03-06_001.xad)		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/6/2020 10:16:36 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB