Data File C:\Chem32\1\Data\New 2023-11-09 18-39-57\010-P2-B10-8.1.D
Sample Name: 8.1

==
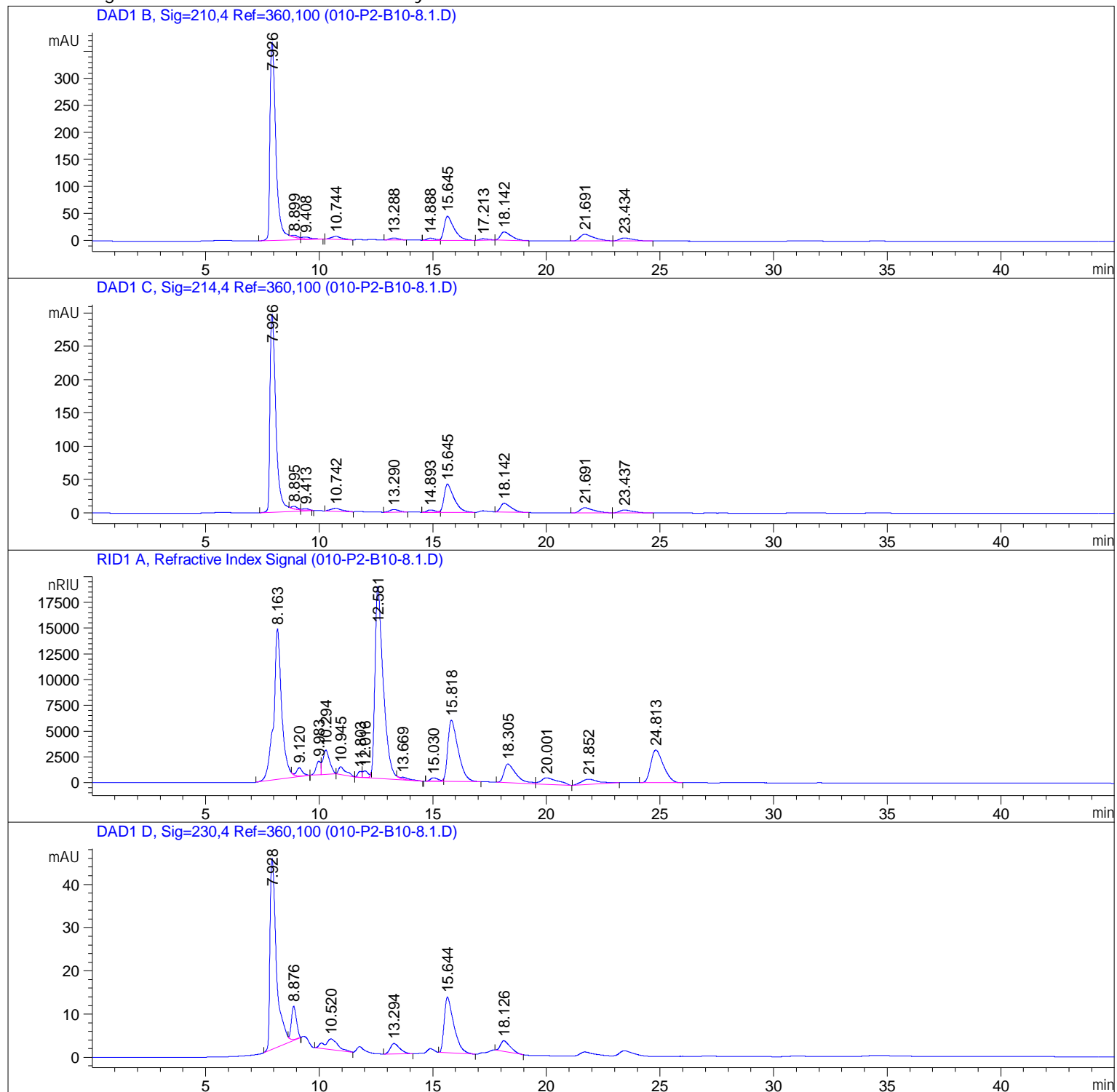
Acq. Operator   : SYSTEM   Seq. Line :   10
Acq. Instrument : HPLC-OXTLAB   Location :   P2-B-10
Injection Date : 11/10/2023 01:36:09   Inj :   1
                                          Inj Volume : 20.000 µl
Sequence File   : C:\Chem32\1\Data\New 2023-11-09 18-39-57\New.S
Method   : C:\Chem32\1\Data\New 2023-11-09 18-39-57\LACTIC_TEMP.M (Sequence Method)
Last changed   : 8/28/2023 13:32:52 by SYSTEM

```
========================================================================
                     External Standard Report
========================================================================


Sorted By          :       Signal
Calib. Data Modified :      7/1/2021 14:39:58
Multiplier         :       1.0000
Dilution           :       1.0000
Do not use Multiplier & Dilution Factor with ISTDs


Signal 1: DAD1 B, Sig=210,4 Ref=360,100

RetTime  Type     Area       Amt/Area     Amount   Grp   Name
 [min]            [mAU*s]                 [g/L]
-------|------|----------|----------|----------|--|------------------
 15.645 VB R  1346.45837 6.56723e-4 8.84250e-1       Lactic acid
 18.142 BB     491.52423 9.16958e-4 4.50707e-1       Acetic acid
 21.691 BB     511.40076  0.00000    0.00000         Propionic

Totals :                              1.33496




Signal 2: DAD1 C, Sig=214,4 Ref=360,100




Signal 3: RID1 A, Refractive Index Signal

RetTime  Type     Area       Amt/Area     Amount   Grp   Name
 [min]            [nRIU*s]                [g/L]
-------|------|----------|----------|----------|--|------------------
  9.983 BV    1.86295e4    0.00000    0.00000         Succrose
 11.408          -           -          -             Glucose
 12.016 VV E  1.07346e4    0.00000    0.00000         Fructose
 24.813 BB    1.22484e5  8.19492e-6   1.00375         Ethanol

Totals :                              1.00375




Signal 4: DAD1 D, Sig=230,4 Ref=360,100

5 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Negative results set to zero (cal. curve intercept), (Succrose)
Warning : Negative results set to zero (cal. curve intercept), (Fructose)
Warning : Negative results set to zero (cal. curve intercept), (Propionic)


========================================================================
```
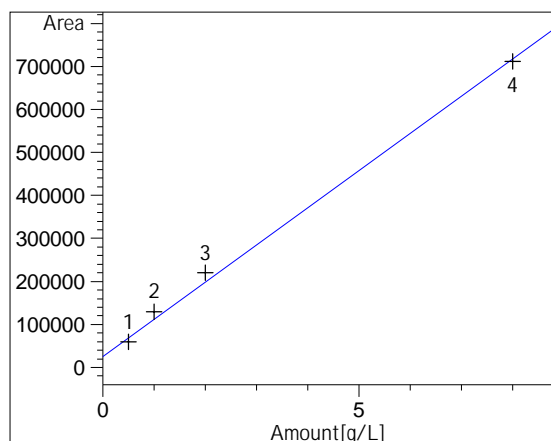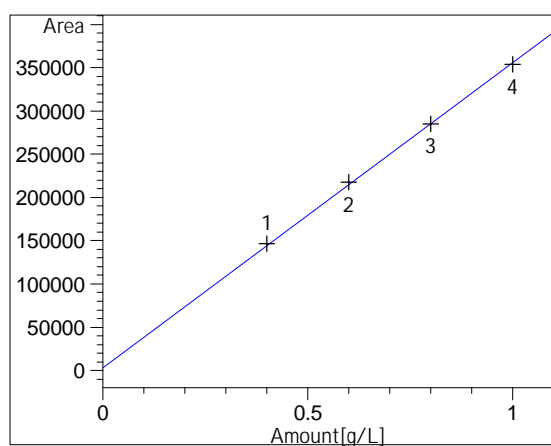
===
Calibration Curves
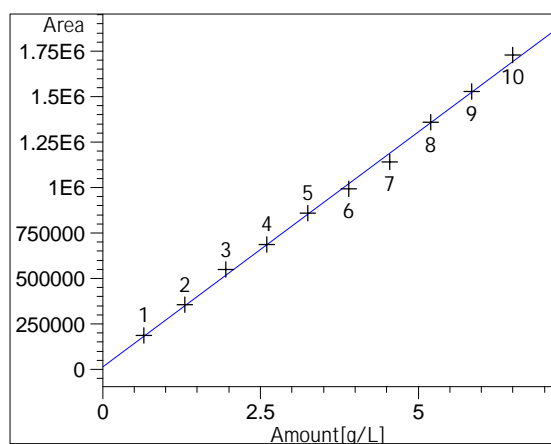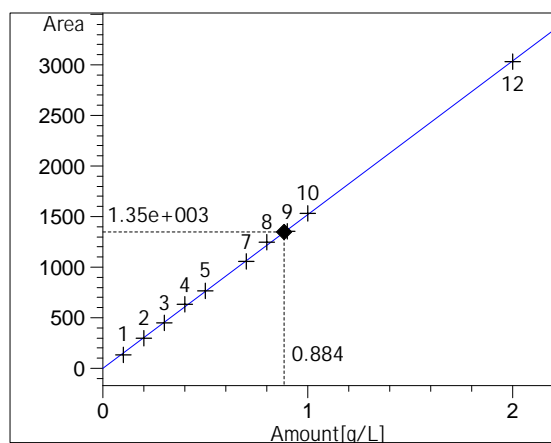===

Succrose at exp. RT: 9.863
RID1 A, Refractive Index Signal
Correlation: 0.99759
Residual Std. Dev.: 22755.41185
Formula: y = mx + b
    m: 86671.29673
    b: 24839.01752
    x: Amount[g/L]
    y: Area

Glucose at exp. RT: 11.408
RID1 A, Refractive Index Signal
Correlation: 0.99981
Residual Std. Dev.: 3023.36360
Formula: y = mx + b
    m: 353737.16216
    b: 2639.18919
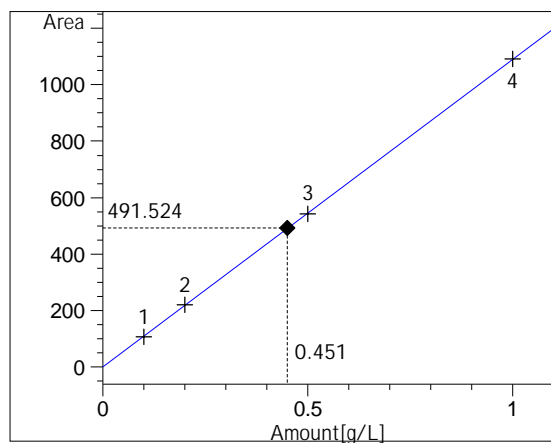   x: Amount[g/L]
    y: Area

Fructose at exp. RT: 12.100
RID1 A, Refractive Index Signal
Correlation: 0.99909
Residual Std. Dev.: 25081.95145
Formula: y = mx + b
    m: 258721.41259
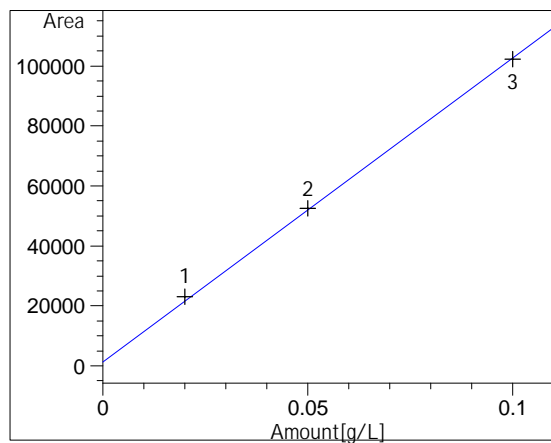   b: 12786.68182
    x: Amount[g/L]
    y: Area

Lactic acid at exp. RT: 15.467
DAD1 B, Sig=210,4 Ref=360,100
Correlation: 0.99983
Residual Std. Dev.:   16.65547
Formula: y = mx + b
    m: 1521.64235
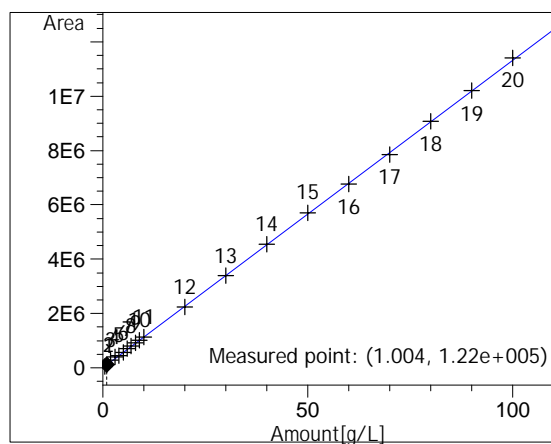   b: 9.45650e-1
    x: Amount[g/L]
    y: Area

Acetic acid at exp. RT: 18.226
DAD1 B, Sig=210,4 Ref=360,100
Correlation: 0.99999
Residual Std. Dev.:   2.57101
Formula: $y = mx + b$
        m: 1092.07931
        b: -6.83711e-1
        x: Amount[g/L]
        y: Area

Propionic at exp. RT: 21.787
DAD1 B, Sig=210,4 Ref=360,100
Correlation: 0.99961
Residual Std. Dev.: 1507.31144
Formula: $y = mx + b$
        m: 1.01431e6
        b: 1395.13216
        x: Amount[g/L]
        y: Area

Ethanol at exp. RT: 24.978
RID1 A, Refractive Index Signal
Correlation: 0.99996
Residual Std. Dev.: 35437.06772
Formula: $y = mx + b$
        m: 113284.07454
        b: 8775.42396
        x: Amount[g/L]
        y: Area

Measured point: (1.004, 1.22e+005)

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*** End of Report ***