Supplemental Figure 2. Immuno-MRM response curves plotted in linear and log space. The heavy-to-light peak area ratios for the peptide's transitions are plotted *vs*. the heavy peptide's theoretical concentration. The abbreviations (e.g. 2.y6.1) refer to the precursor ion's charge state (+2), followed by the transition ion and the transition ion's charge state (+1); 2.SUM. refers to the response curve for which the peak areas of all transitions were summed before taking the peak area ratios; the error bars indicate the minimum and maximum (i.e., range) of the peak area ratios of the three capture and LC-MRM-MS replicates.

Table of contents (giving the target peptide ID, the gene symbol, and the target peptide sequence):

SAIC-01B. CD44, TFIPVTSAK……..…….....3

SAIC-02A, ERBB2, GLQSLPTHDPSPLQR…….…….. 4

SAIC-07B, XPNPEP1, GSLTFEPLTLVPIQTK…….…..... 5

SAIC-07E, XPNPEP1, TLSLDEVYLIDSGAQYK……..…..... 6

SAIC-13B, ANXA1, AAYLQETGKPLDETLK……..... 7

SAIC-13C, ANXA1, GVDEATIIDILTK……..……8

SAIC-14C, ANXA4, DEGNYLDDALVR…….…..... 9

SAIC-16D, CALR, GLQTSQDAR…….. 10

SAIC-19D, GRB2, FGNDVQHFK…….. 11

SAIC-21C, FEN1, SIEEIVR……..….....12

SAIC-22D, GSTP1, YISLIYTNYEAGK……..13

SAIC-23B, HSPB1, DGVVEITGK…….…… 14

SAIC-23C, HSPB1, VSLDVNHFAPDELTVK…….....15

SAIC-23E, HSPB1, LFDQAFGLPR…….…….....16

SAIC-24B, IL18, ISTLSCENK…….....17

SAIC-25B, LGALS1, SFVLNLGK…….....18

SAIC-26C, NFKB2, IEVDLVTHSDPPR…….....19

SAIC-27C, PCNA, LVQGSILK…….....20

SAIC-28A, RAD23B, ILNDDTALK…….....21

SAIC-28B, RAD23B, IDIDPEETVK…….....22

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SAIC-30E, RRM2, DIQHWESLKPEER…….…….....24

SAIC-31A, SNCG, TVEEAENIAVTSGVVR……..…….....25

SAIC-32C, FSCN1, YLAPSGPSGTLK……..…….....26

SAIC-33B, TAGLN, AAEDYGVIK…….…….....27

SAIC-34B, PRDX2, LSEDYGVLK……...…….....28

SAIC-34D, PRDX2, GLFIIDGK……..…….....29

SAIC-36A, UBE2I, DHPFGFVAVPTK…….....30

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SAIC-40C, PRDX4, LVQAFQYTDK…….....33

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SAIC-41C, UBE2C, LSLEFPSGYPYNAPTVK…….....35

SAIC-42B, SERPINA6, AQLLQGLGFNLTER…….…….....36

SAIC-43B, CLU, ASSIIDELFQDR…….…….....37

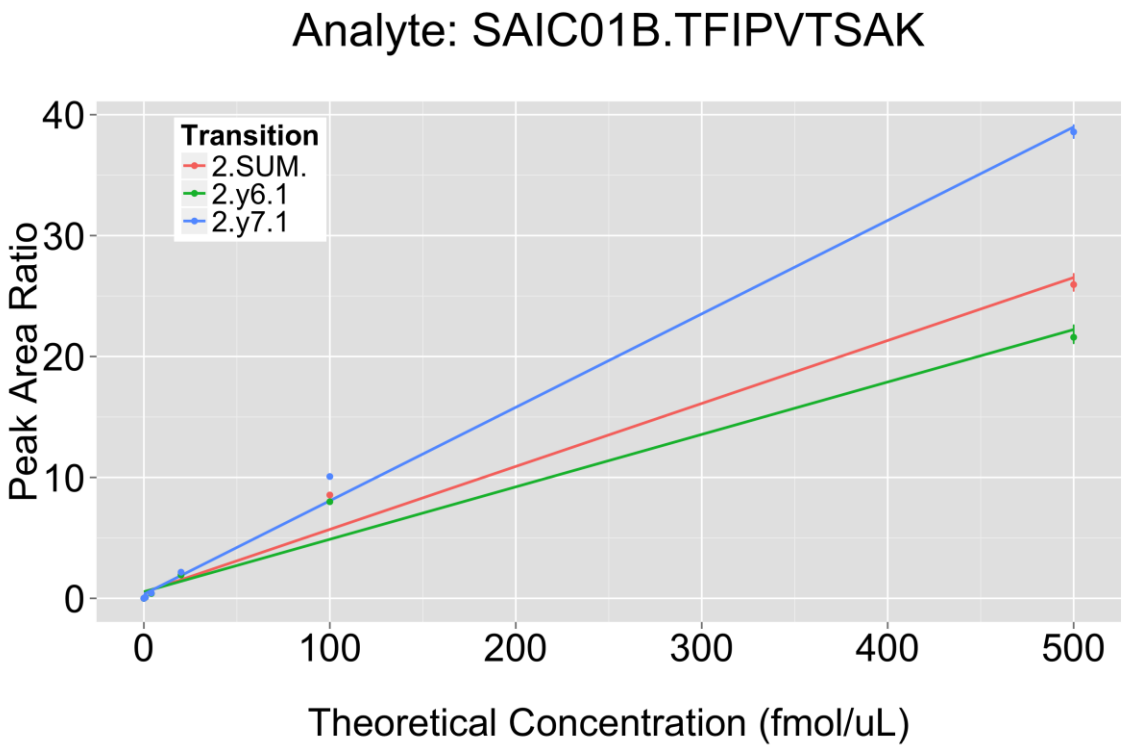
SAIC-101A, TSHB, YALSQDVCTYR……...……38

SAIC-101D, TSHB, SYLVGFSV……..……... 39

SAIC-102A, CGB, VLQGVLPALPQVVCNYR……..……40

SAIC-103A, MUC1, EGTINVHDVETQFNQYK……..……41

SAIC-103B, MUC1, NYGQLDIFPAR……..……... 42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2.y6.1
2.y7.1
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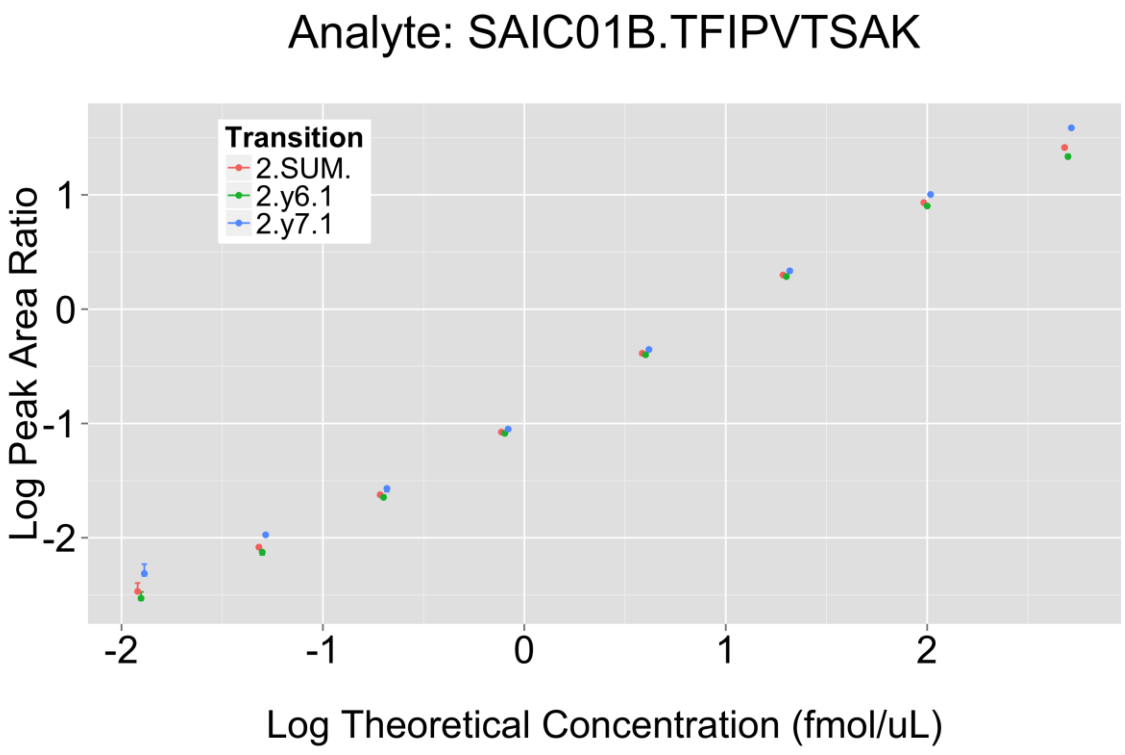
Theoretical Concentration (fmol/uL)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2.y7.1
Log Peak Area Ratio
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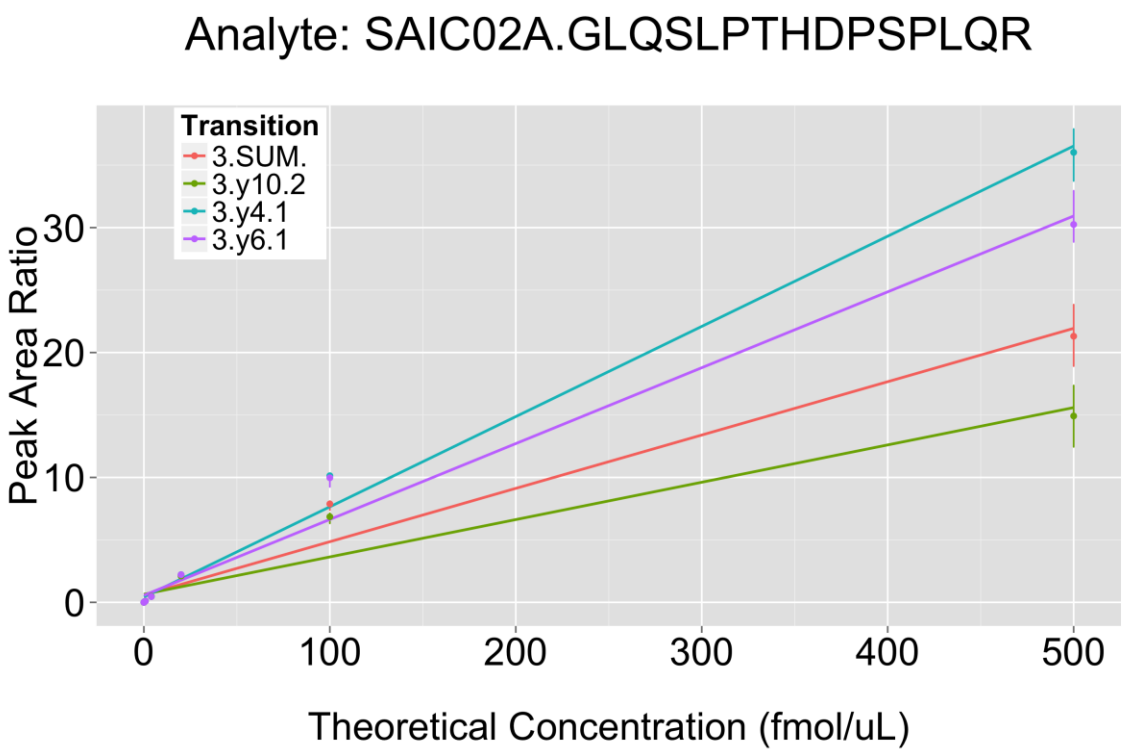
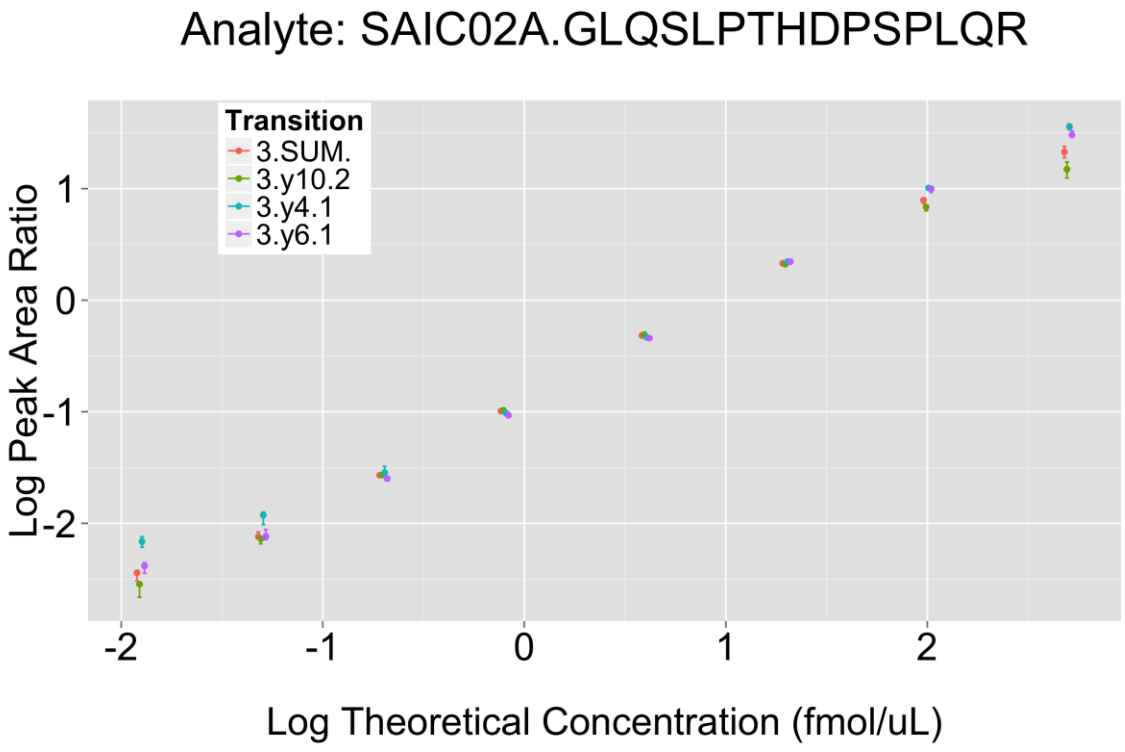
2
Log Theoretical Concentration (fmol/uL)

SAIC-02A, ERBB2, GLQSLPTHDPSPLQR.





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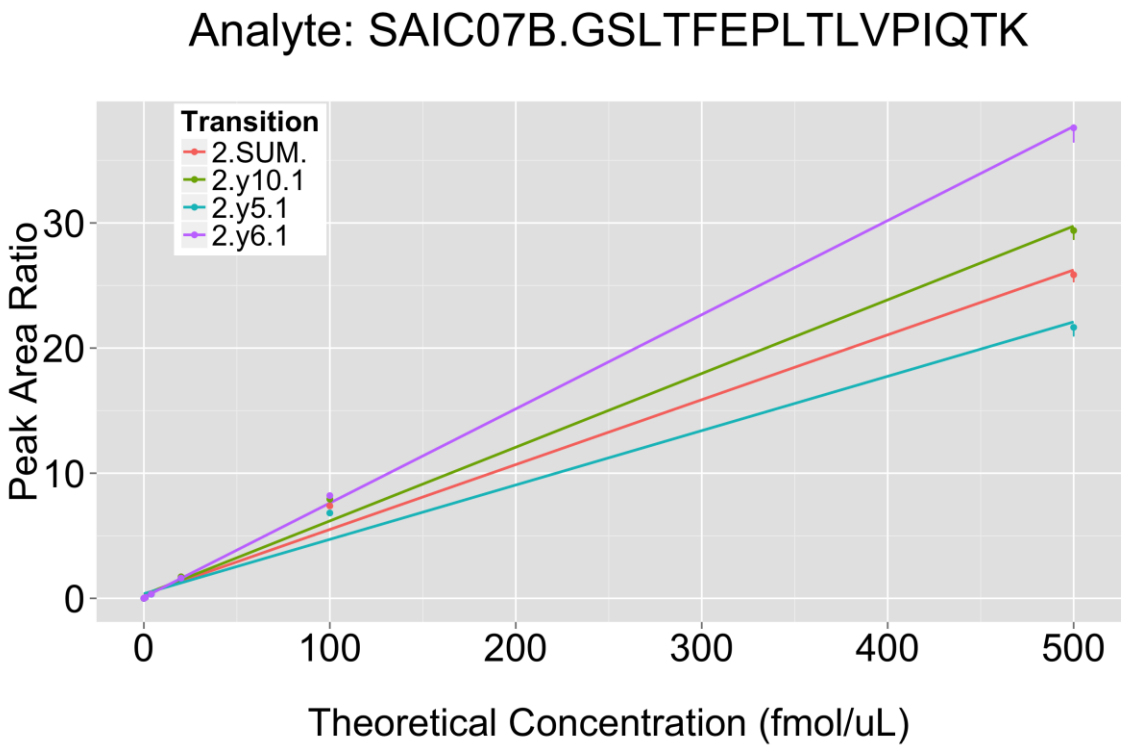

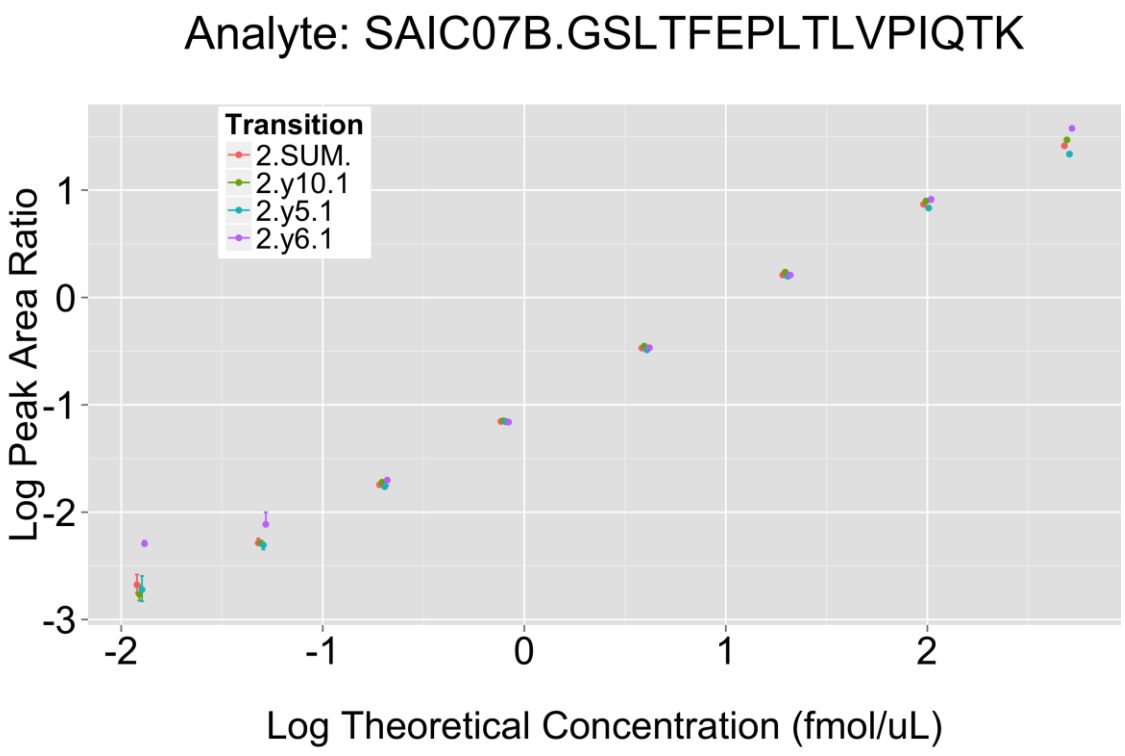

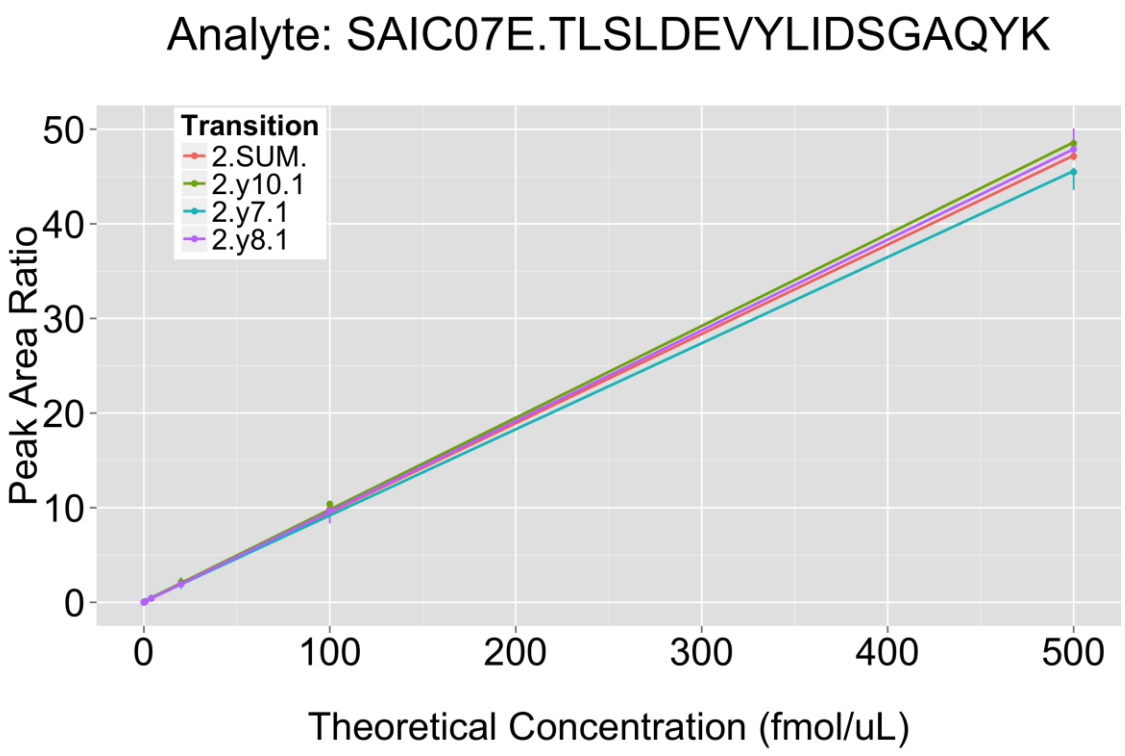
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Transition
2.SUM.
2.y10.1
2.y7.1
2.y8.1
Peak Area Ratio
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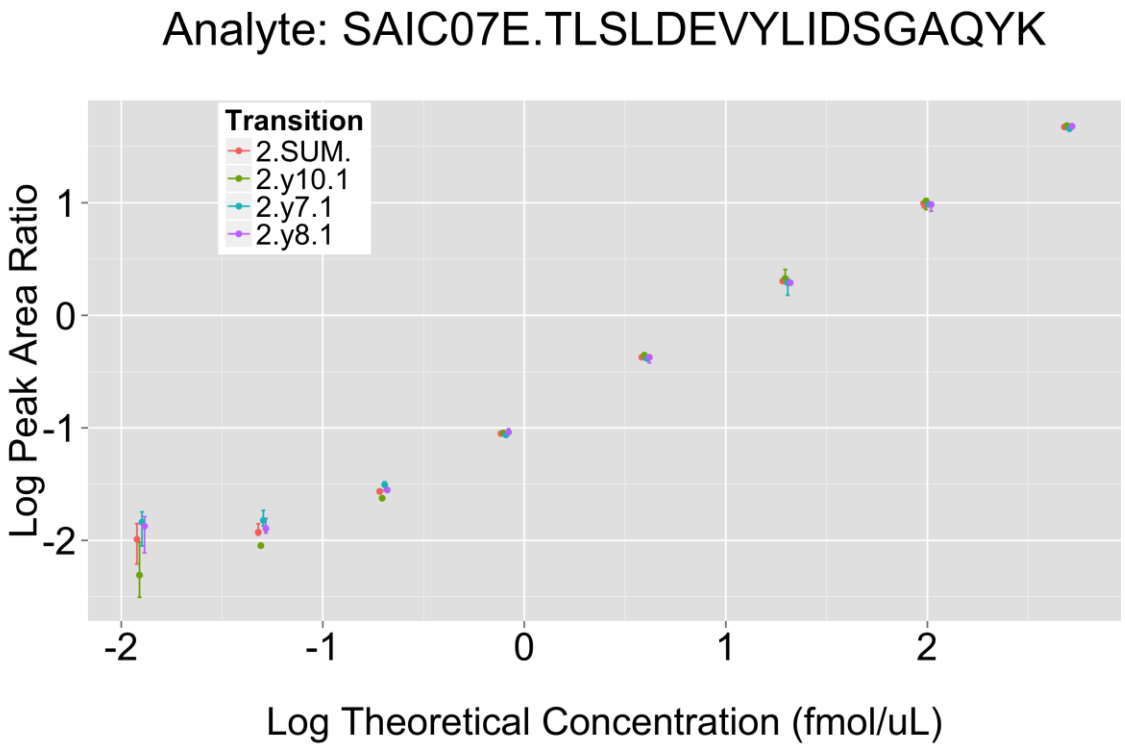
10
20
30
40
50
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)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2.y10.1
2.y7.1
2.y8.1
Log Peak Area Ratio
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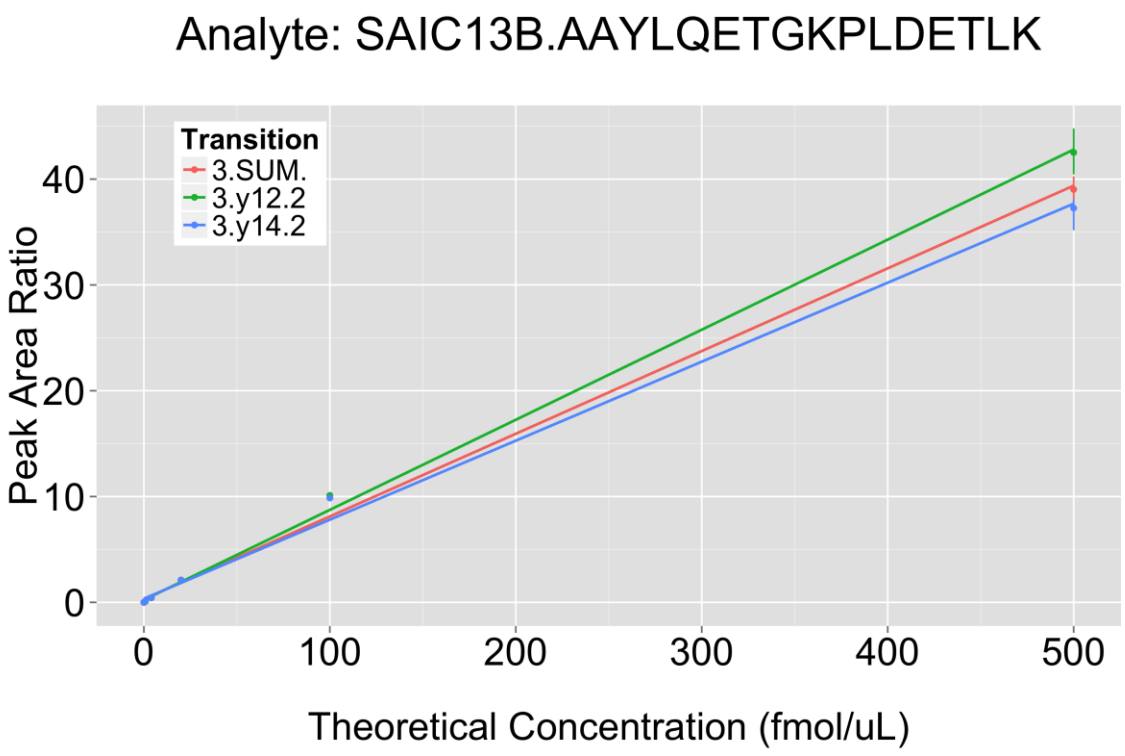
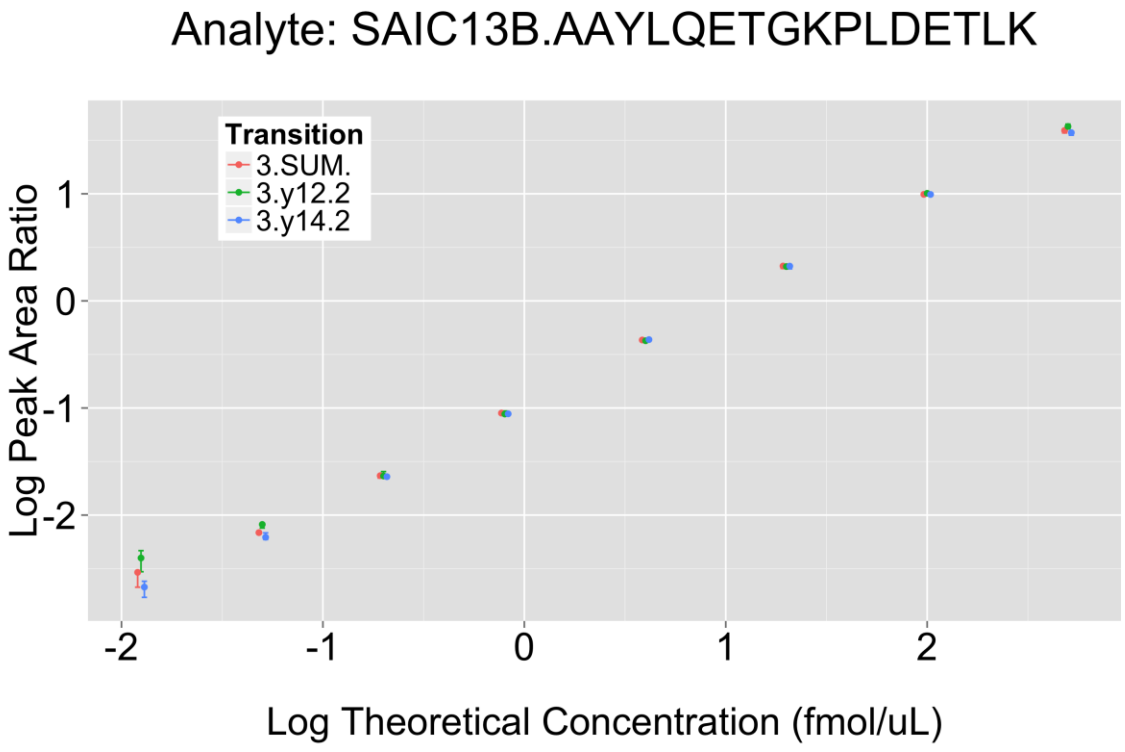
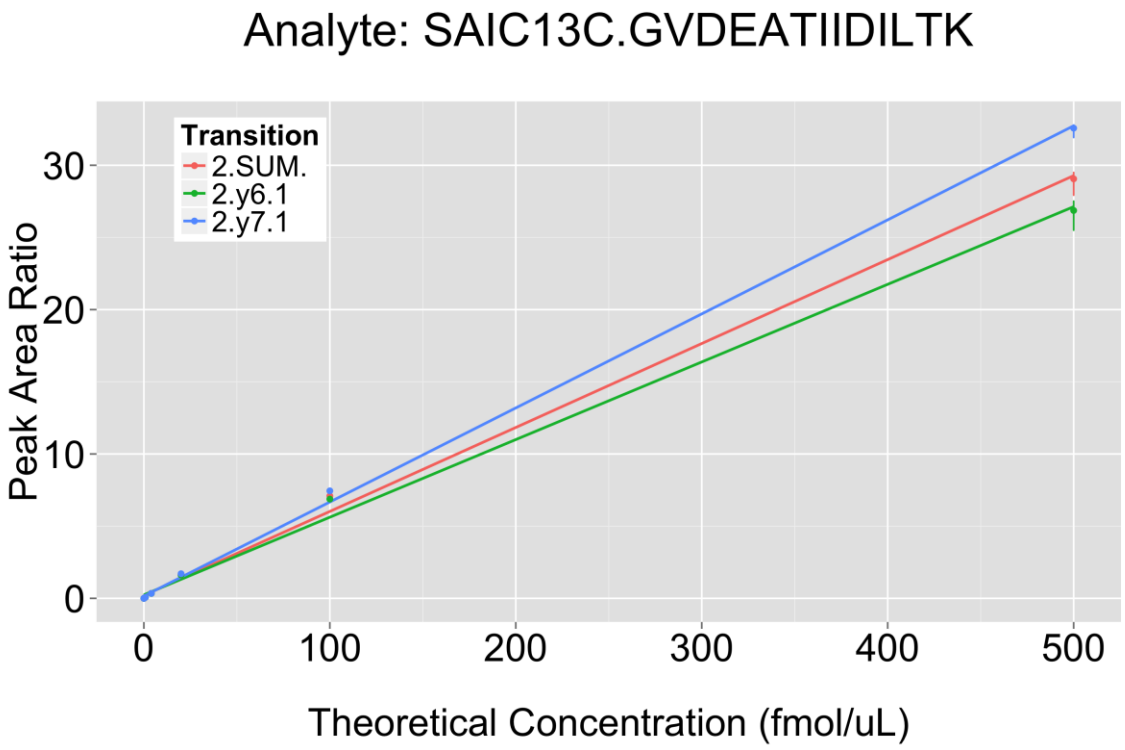
1
2
Log Theoretical Concentration (fmol/uL)

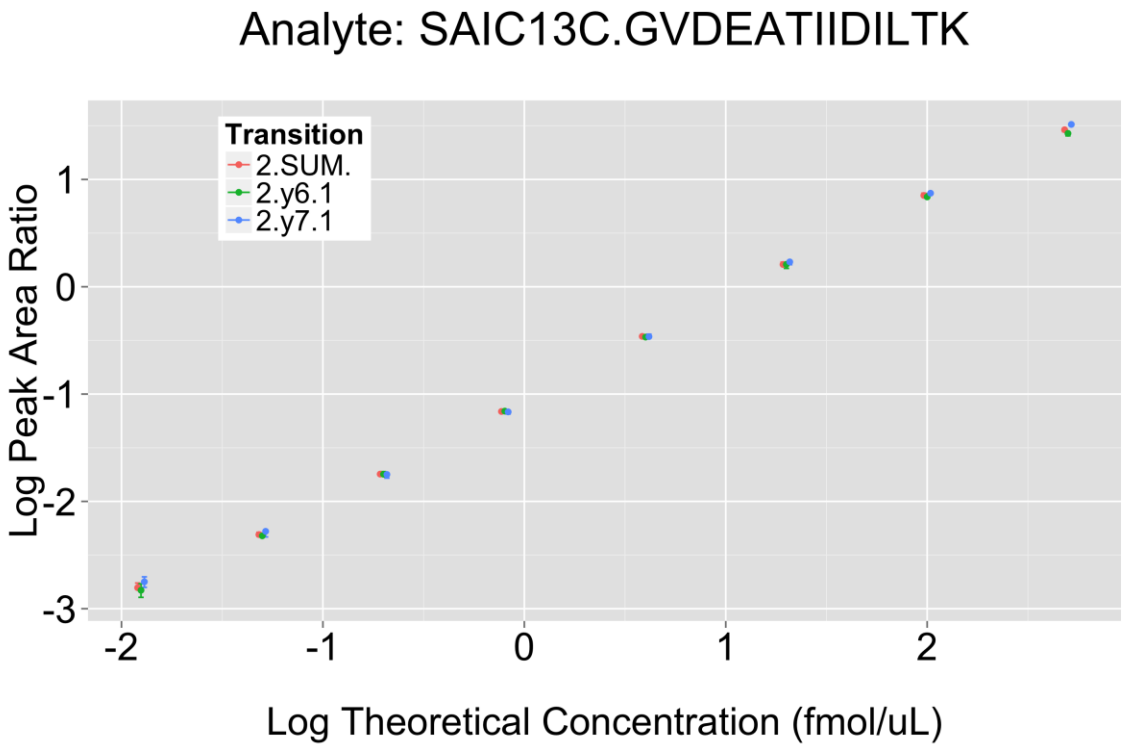
SAIC-13B, ANXA1, AAYLQETGKPLDETLK.

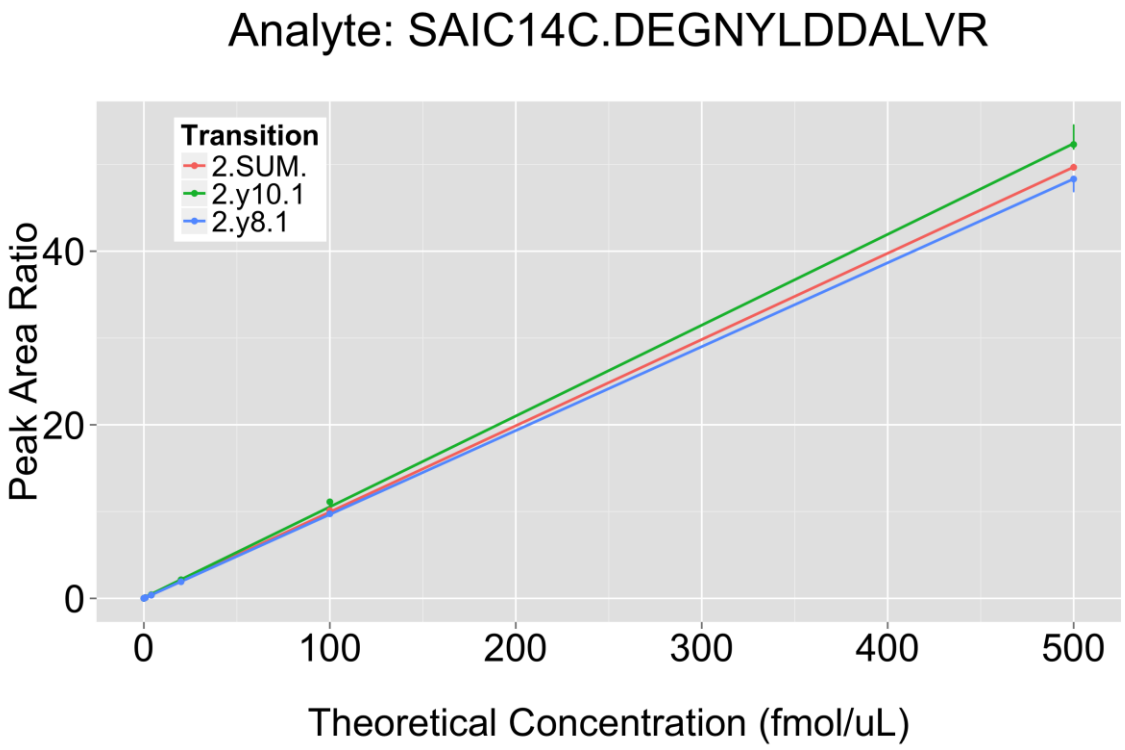




SAIC-13C, ANXA1, GVDEATIIDILTK.



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Transition
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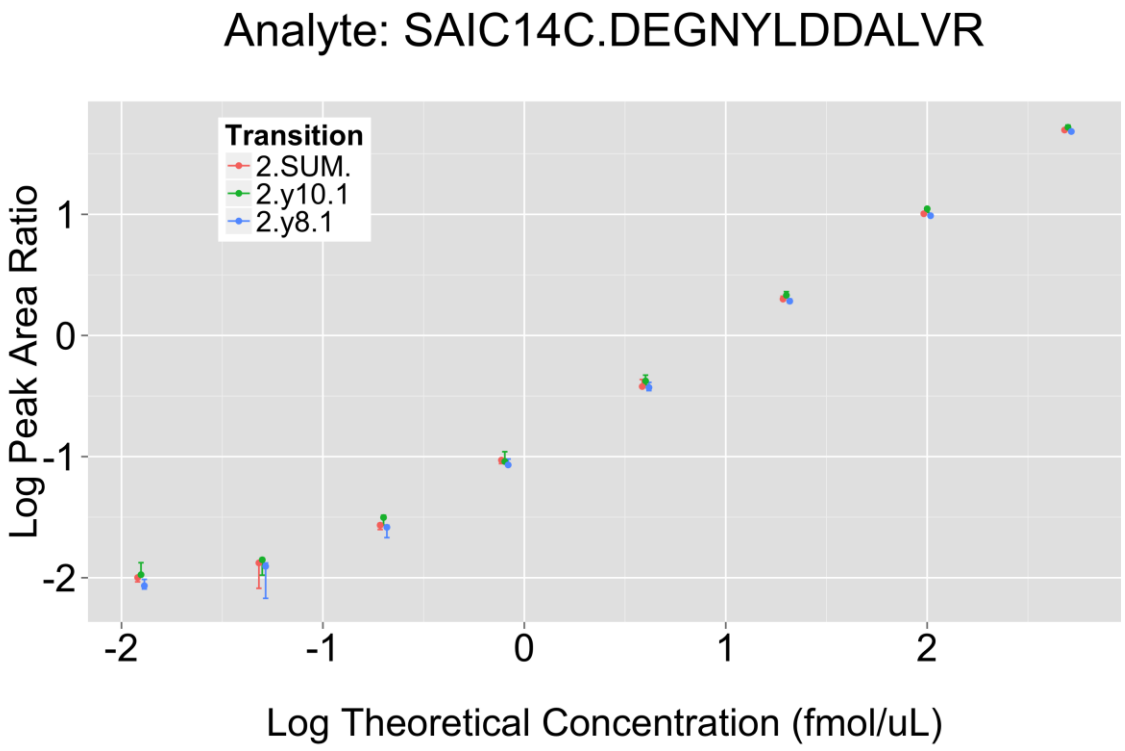
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)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2.y10.1
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-2
-1
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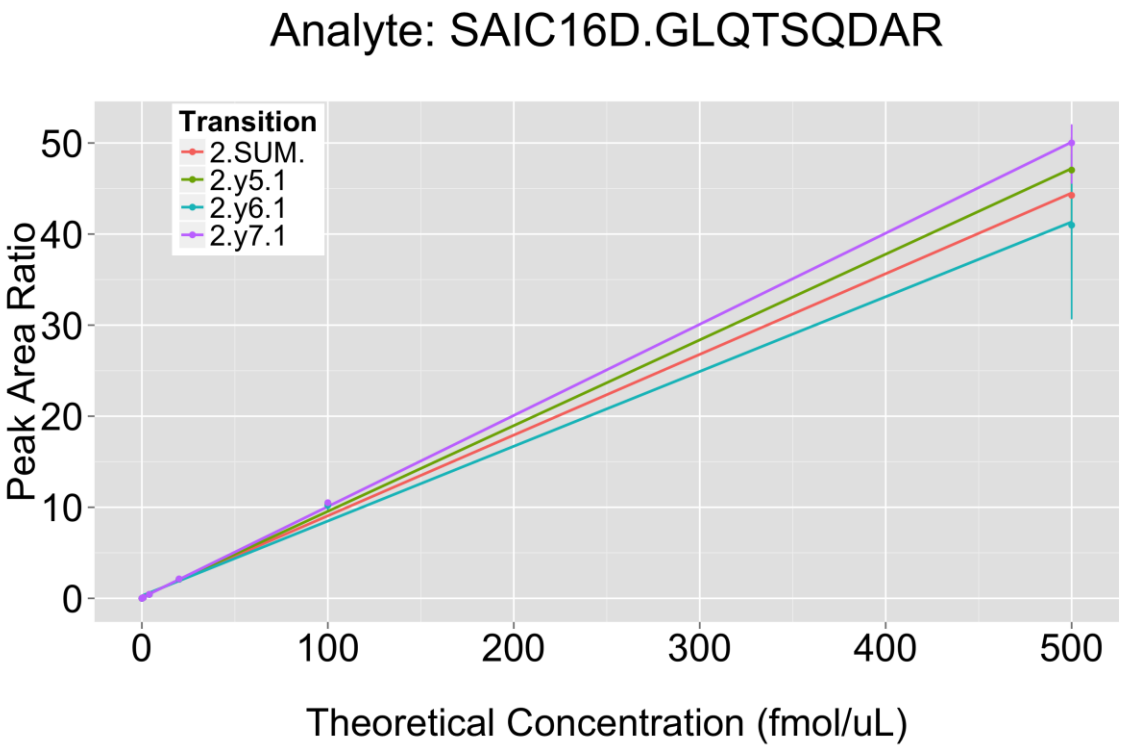
2
Log Theoretical Concentration (fmol/uL)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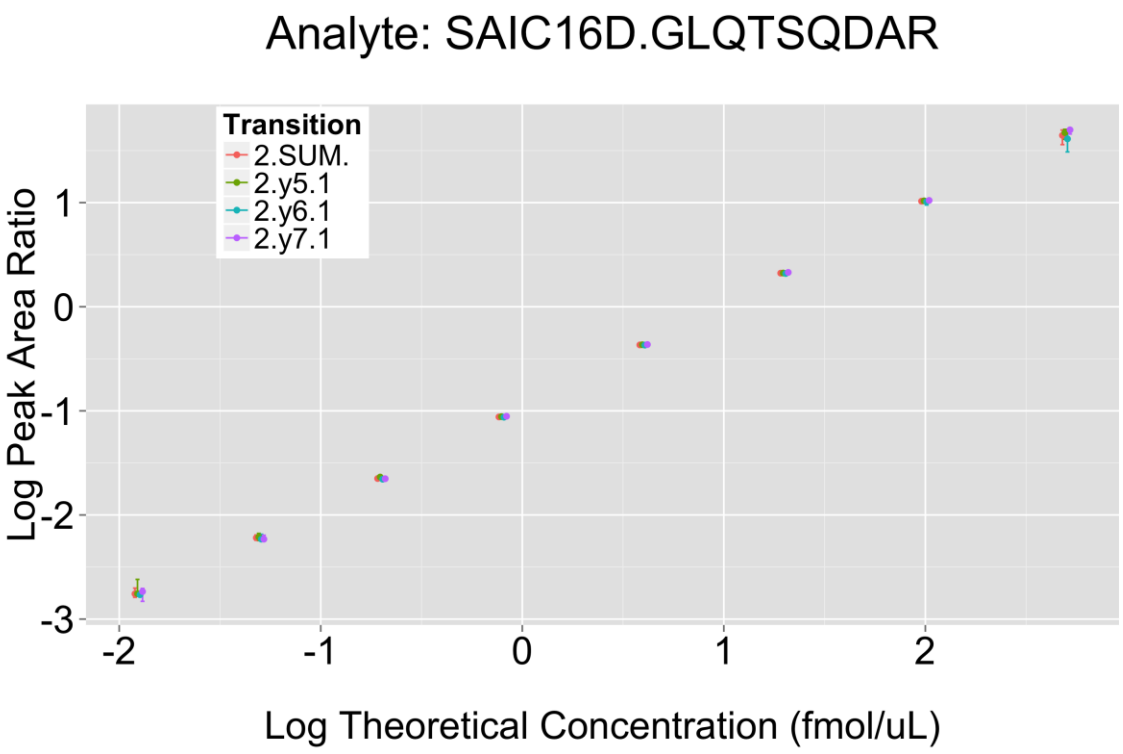
300
400
500
Theoretical Concentration (fmol/uL)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2.y6.1
2.y7.1
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-2
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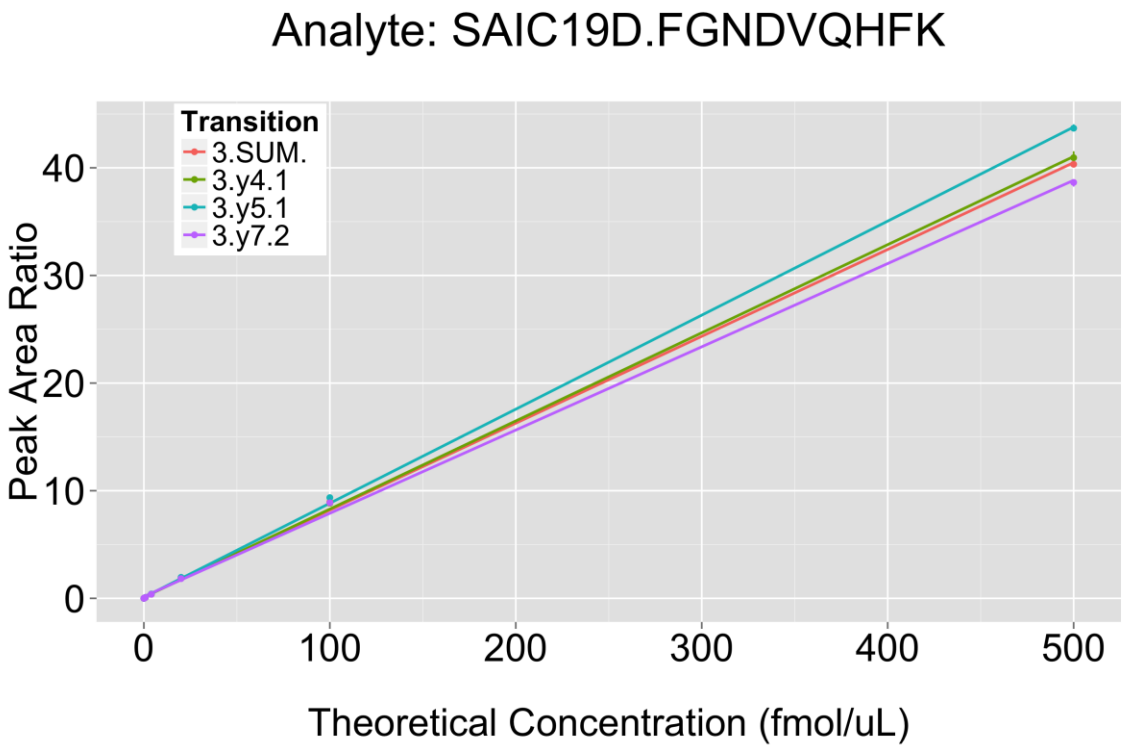
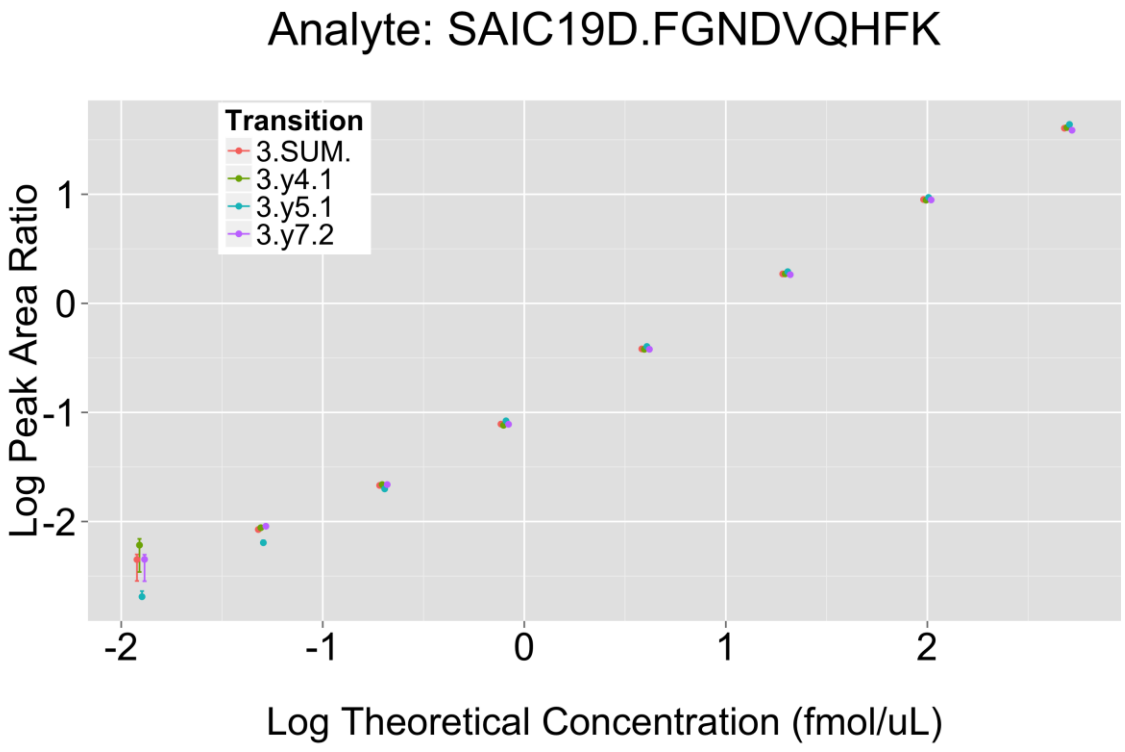
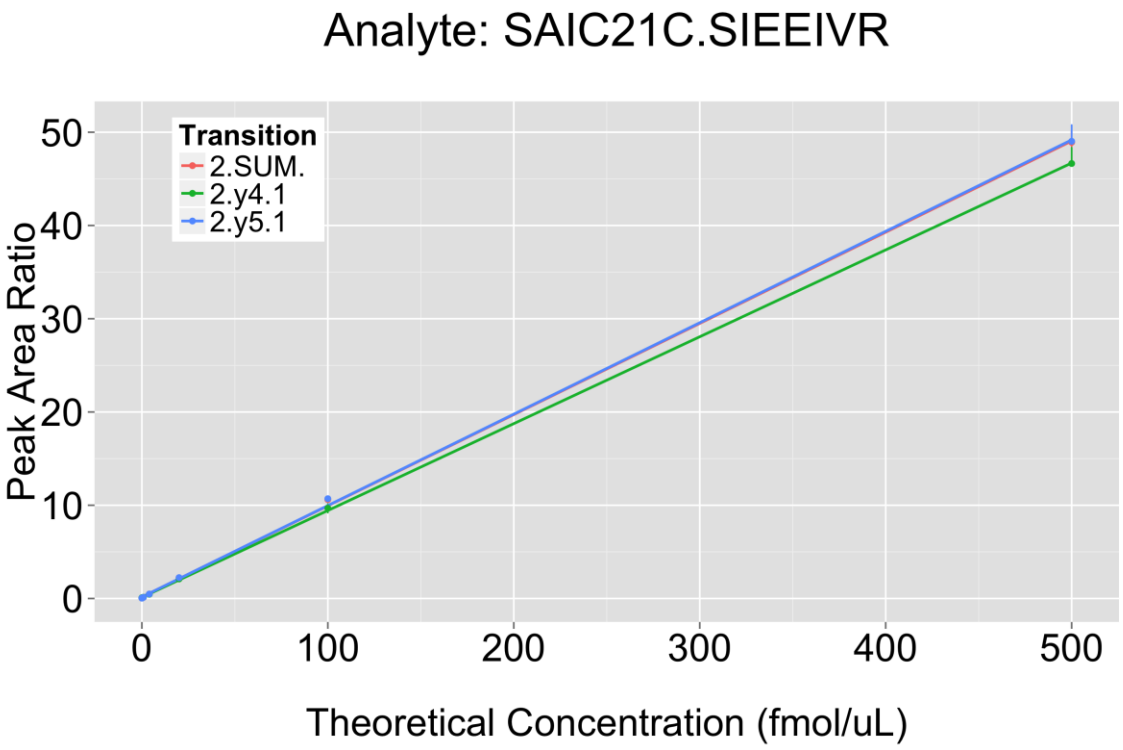
-1
0
1
2
Log Theoretical Concentration (fmol/uL)

SAIC-19D, GRB2, FGNDVQHFK.



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2.y5.1
Peak Area Ratio
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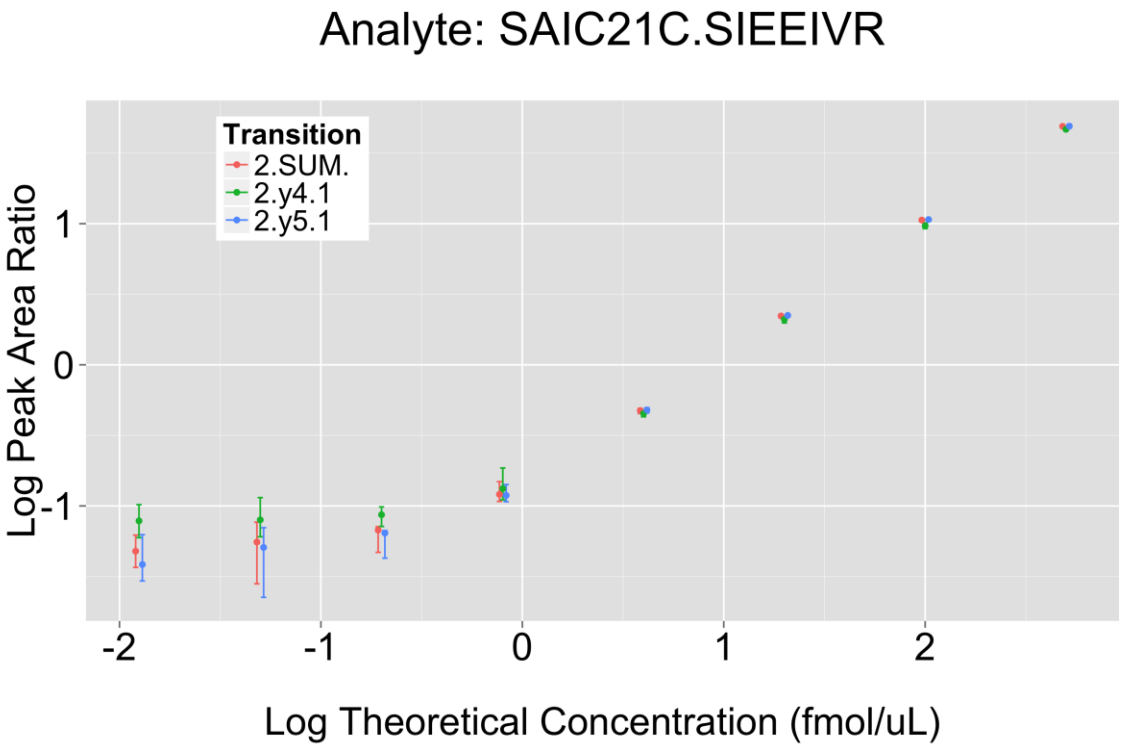
300
400
500
Theoretical Concentration (fmol/uL)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Transition
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2.y5.1
Log Peak Area Ratio
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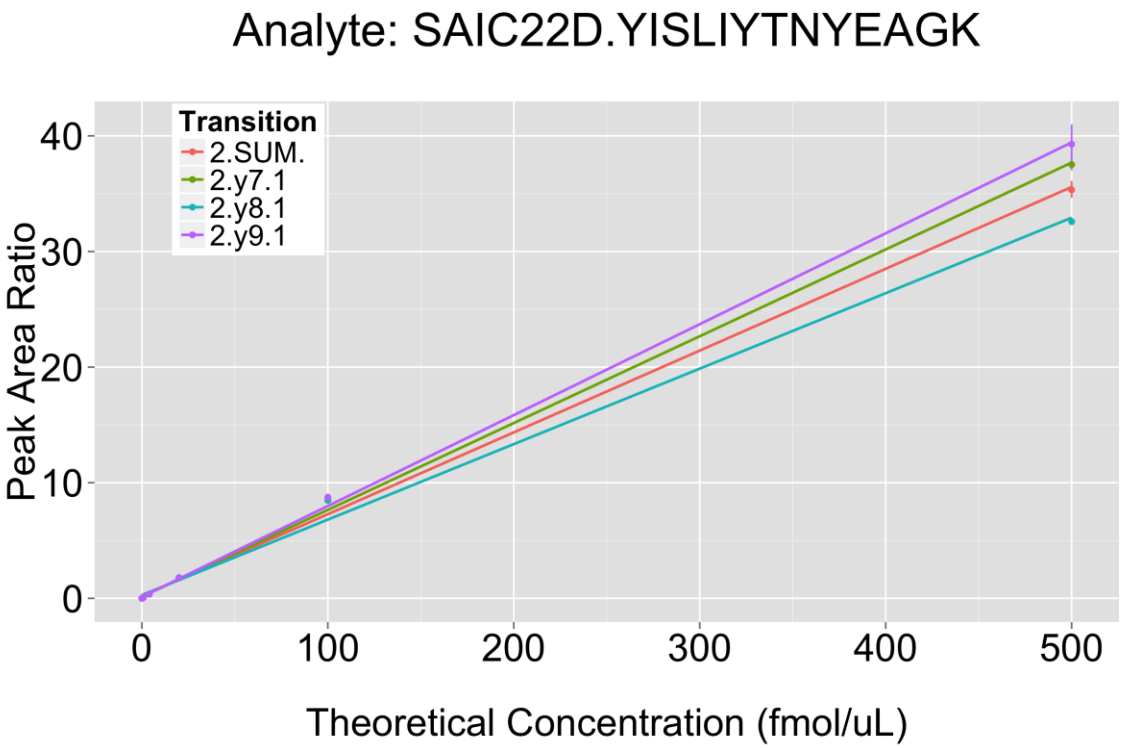
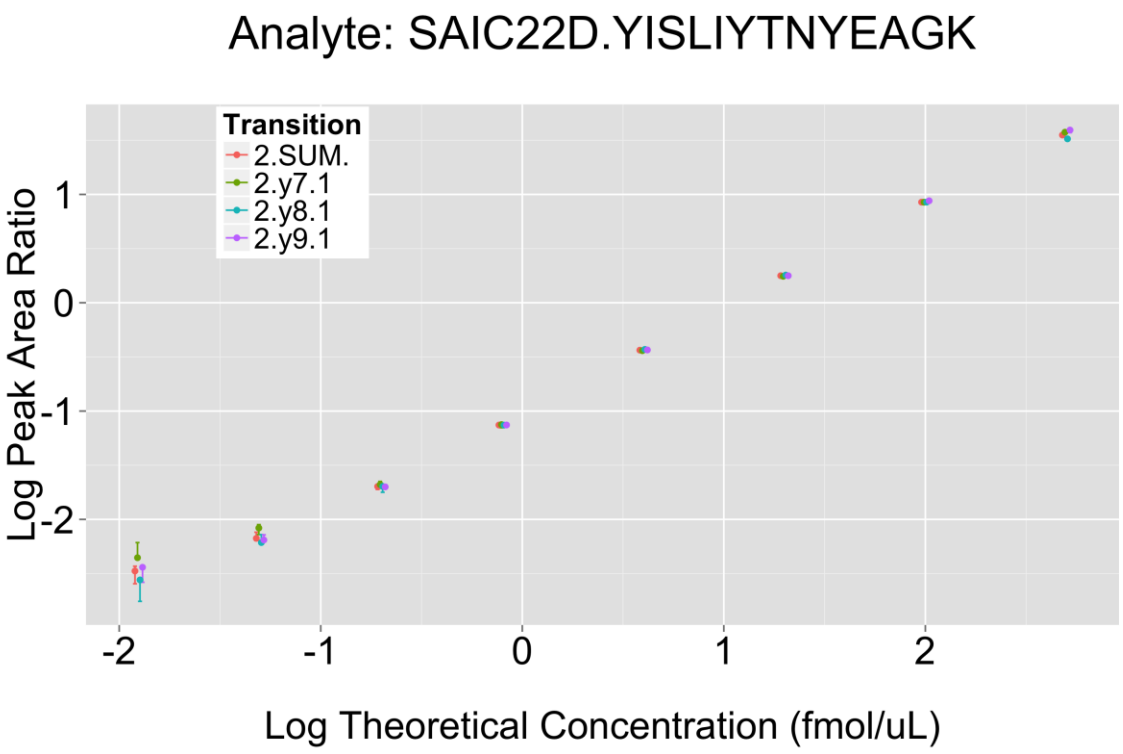
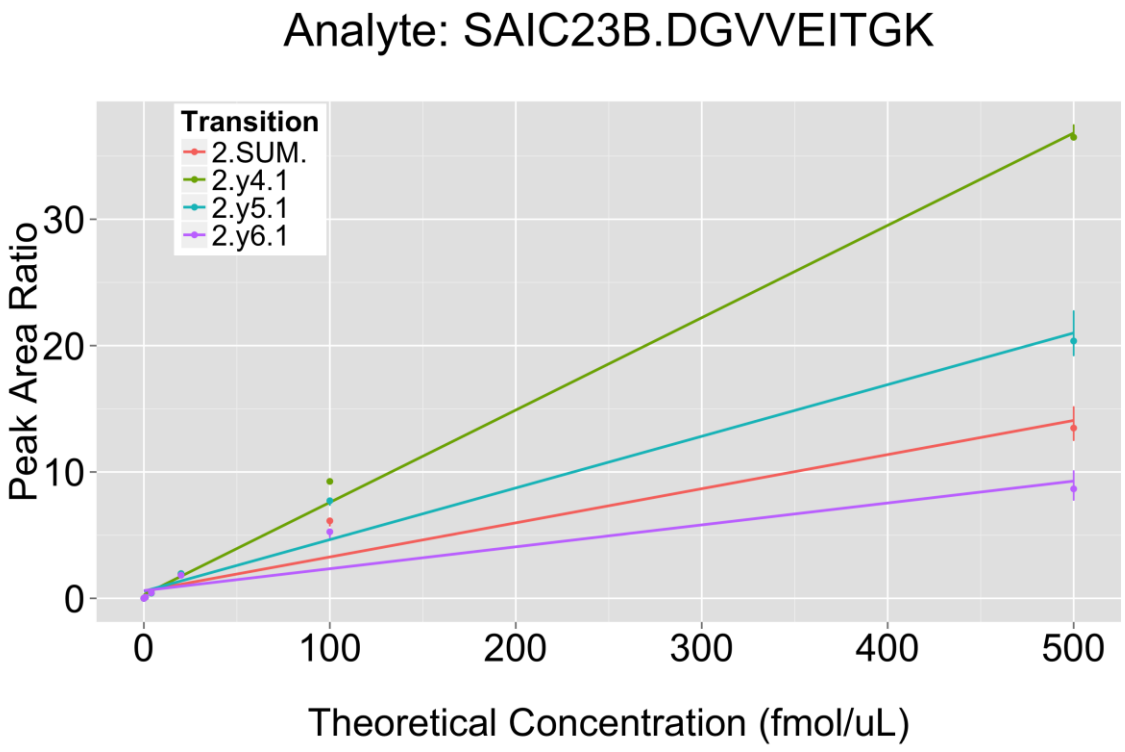
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)

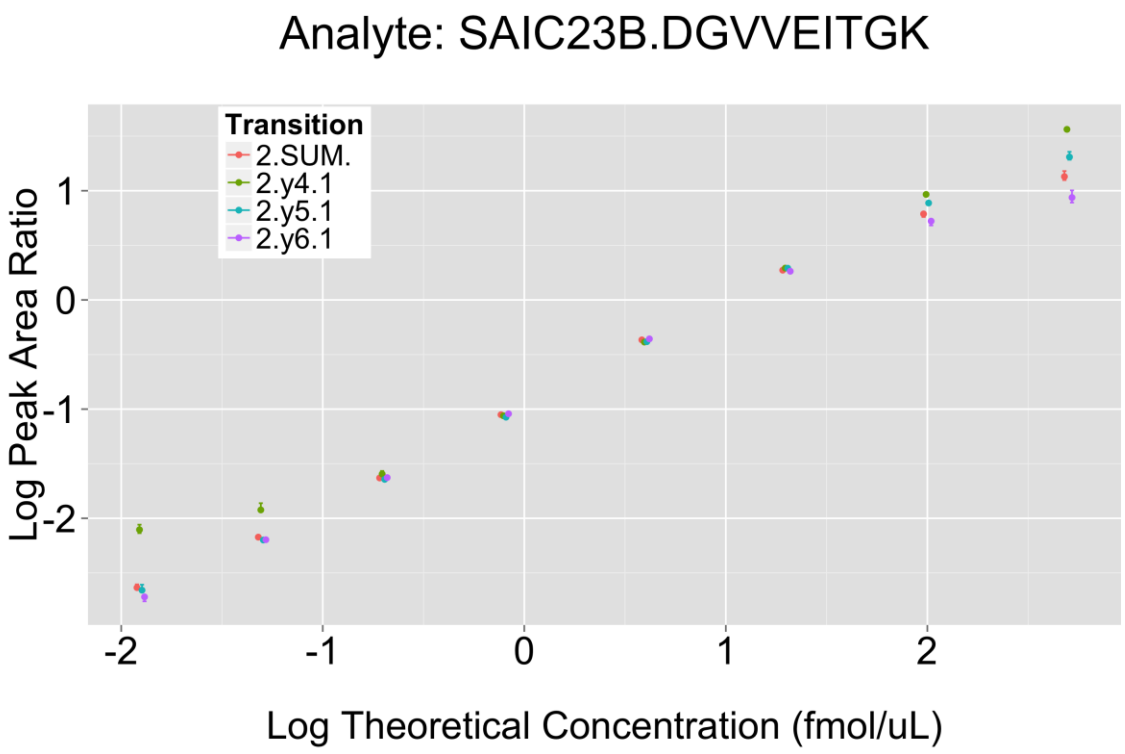
SAIC-22D, GSTP1, YISLIYTNYEAGK.



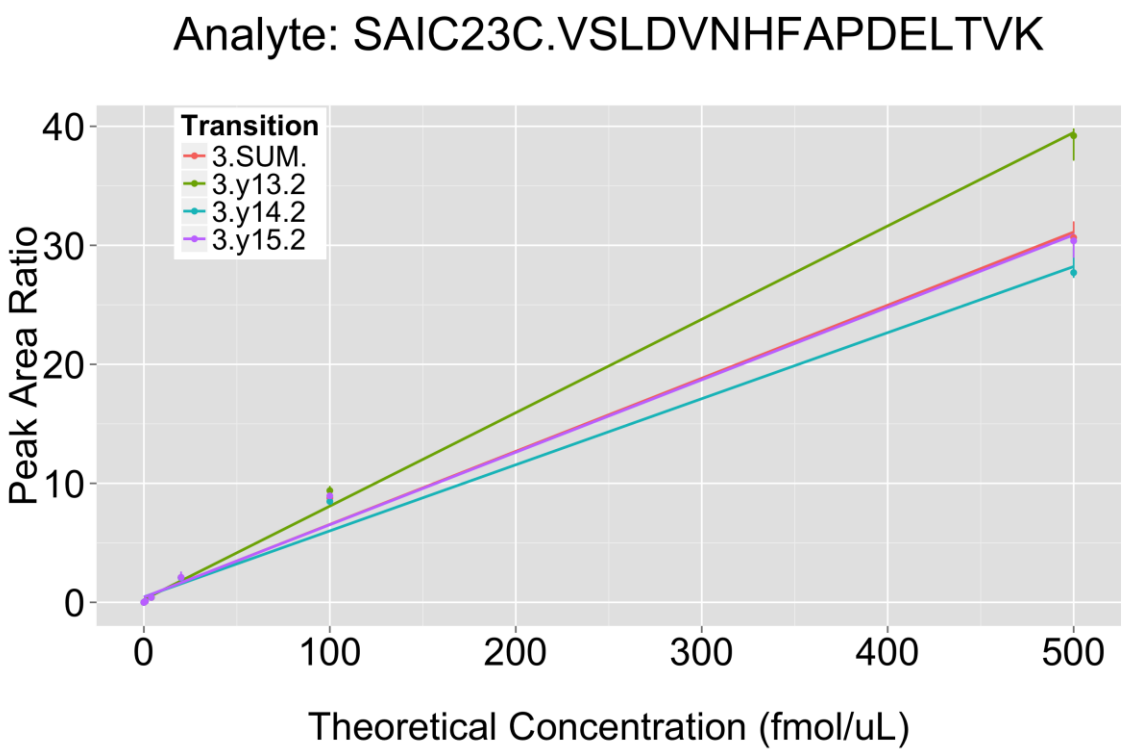


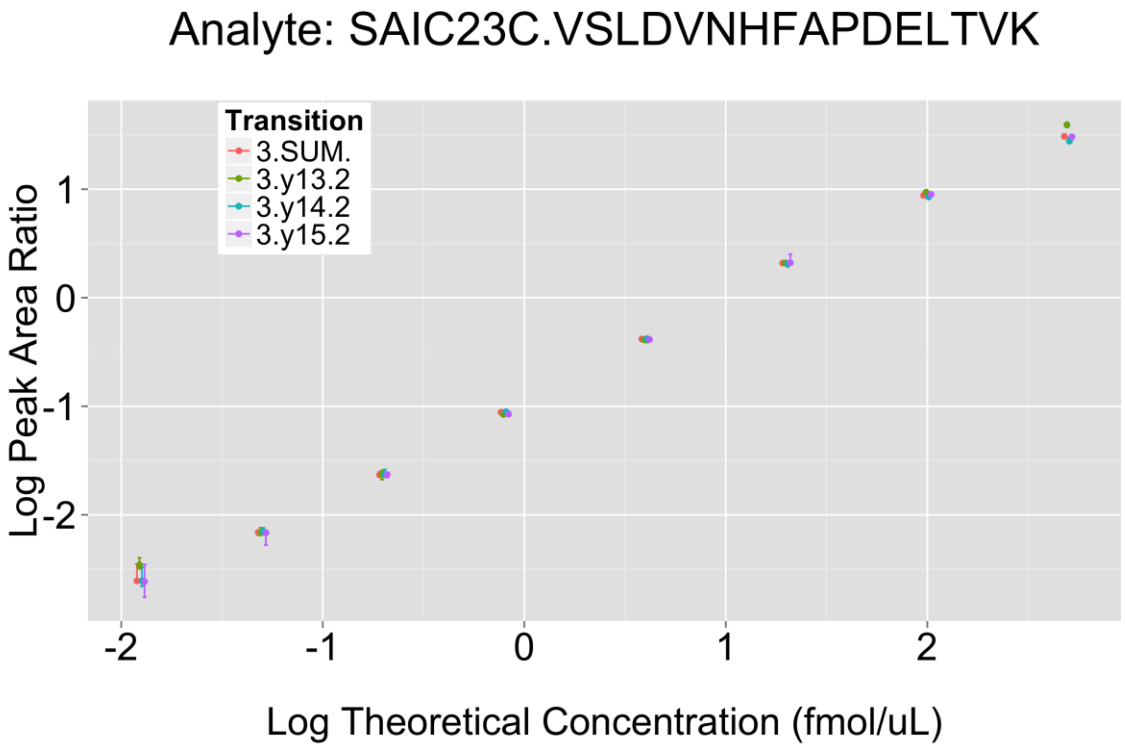
SAIC-23B, HSPB1, DGVVEITGK.

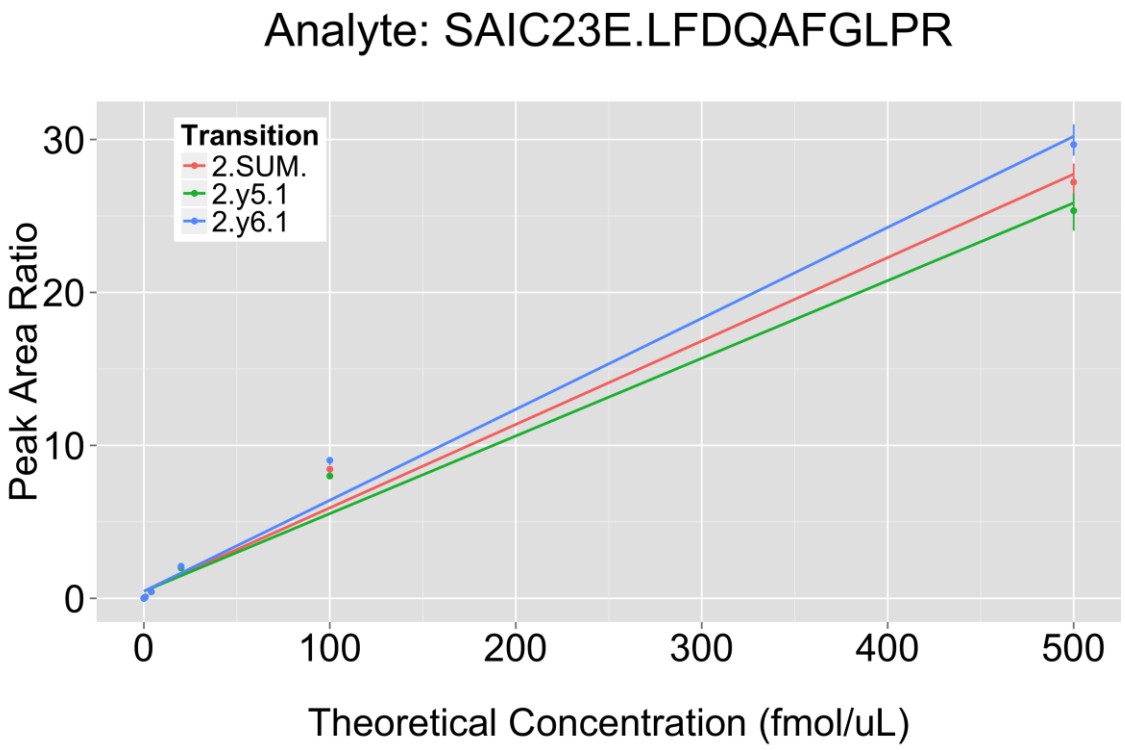




SAIC-23C, HSPB1, VSLDVNHFAPDELTVK.



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Transition
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Peak Area Ratio
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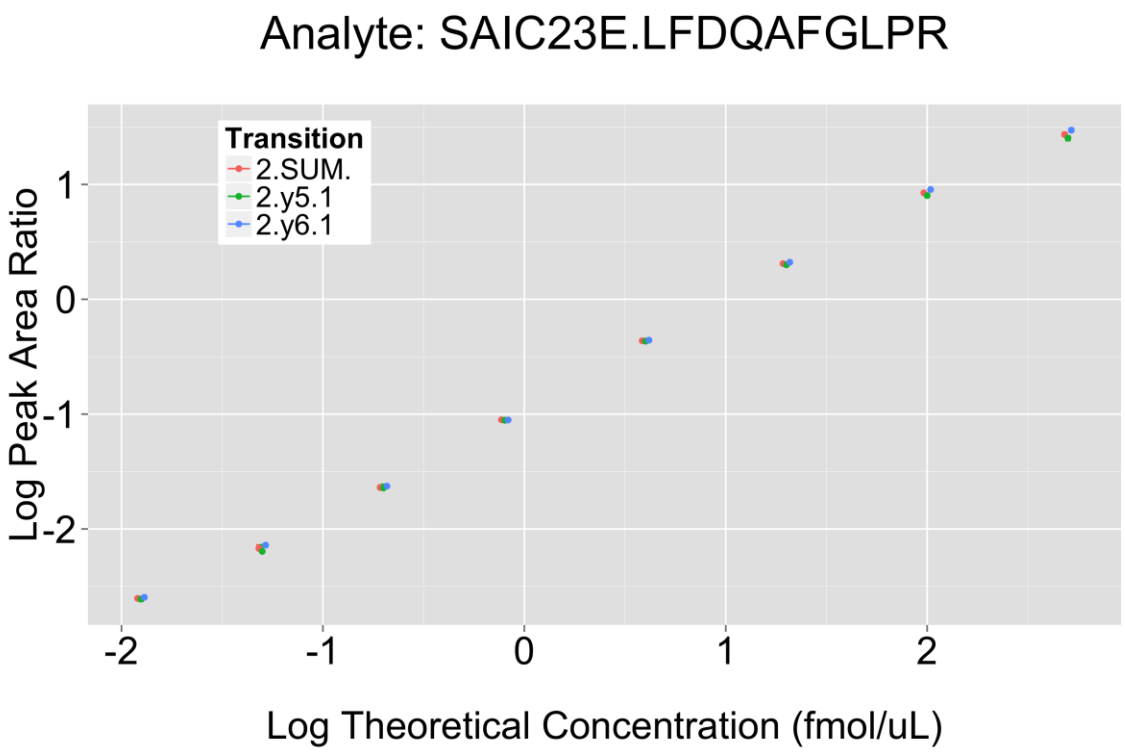
200
300
400
500
Theoretical Concentration (fmol/uL)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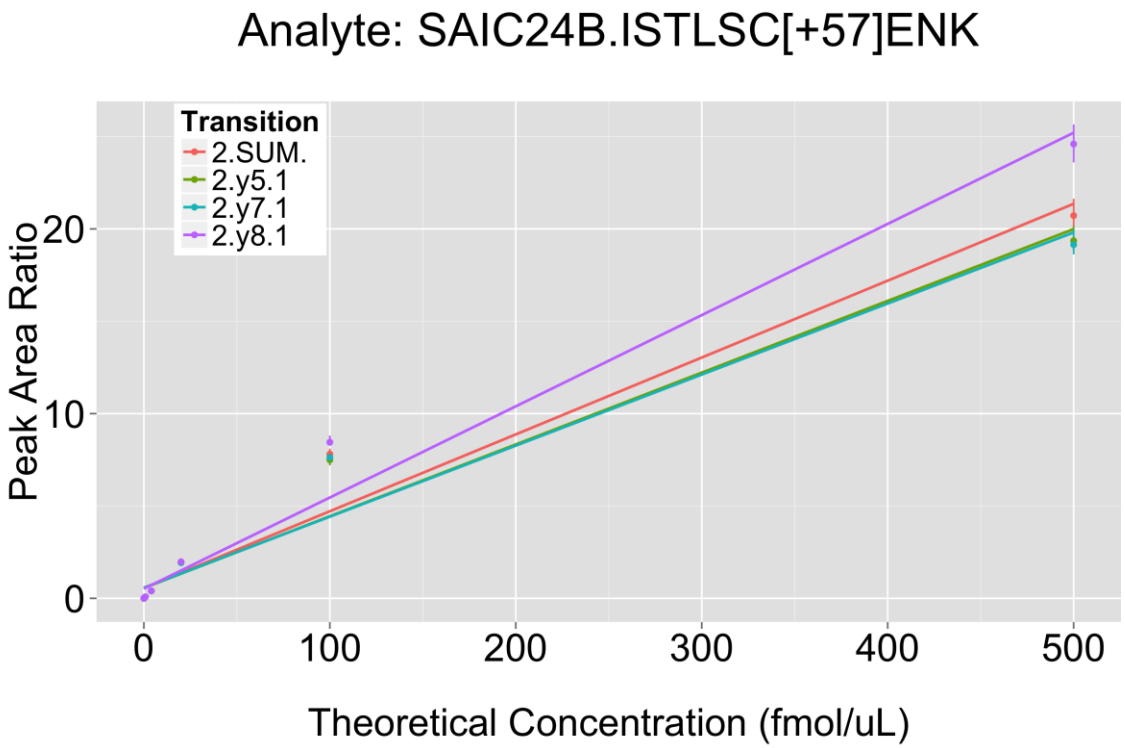
Log Theoretical Concentration (fmol/uL)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400
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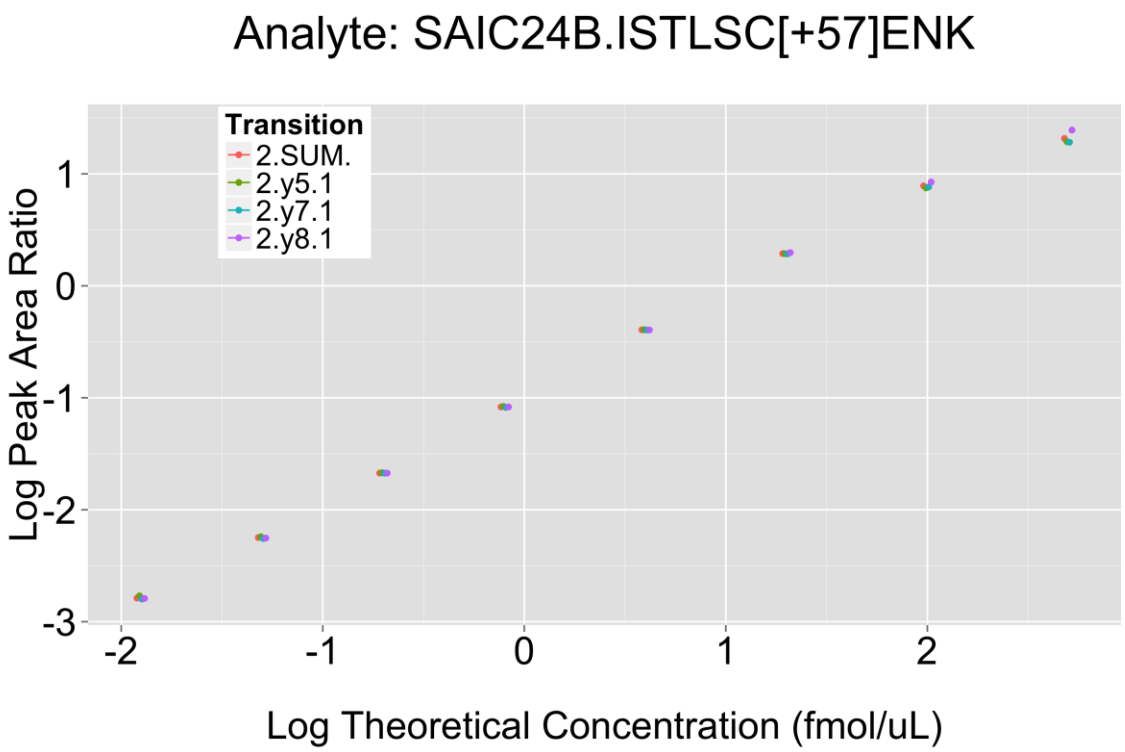
Theoretical Concentration (fmol/uL)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2.y7.1
2.y8.1
Log Peak Area Ratio
-3
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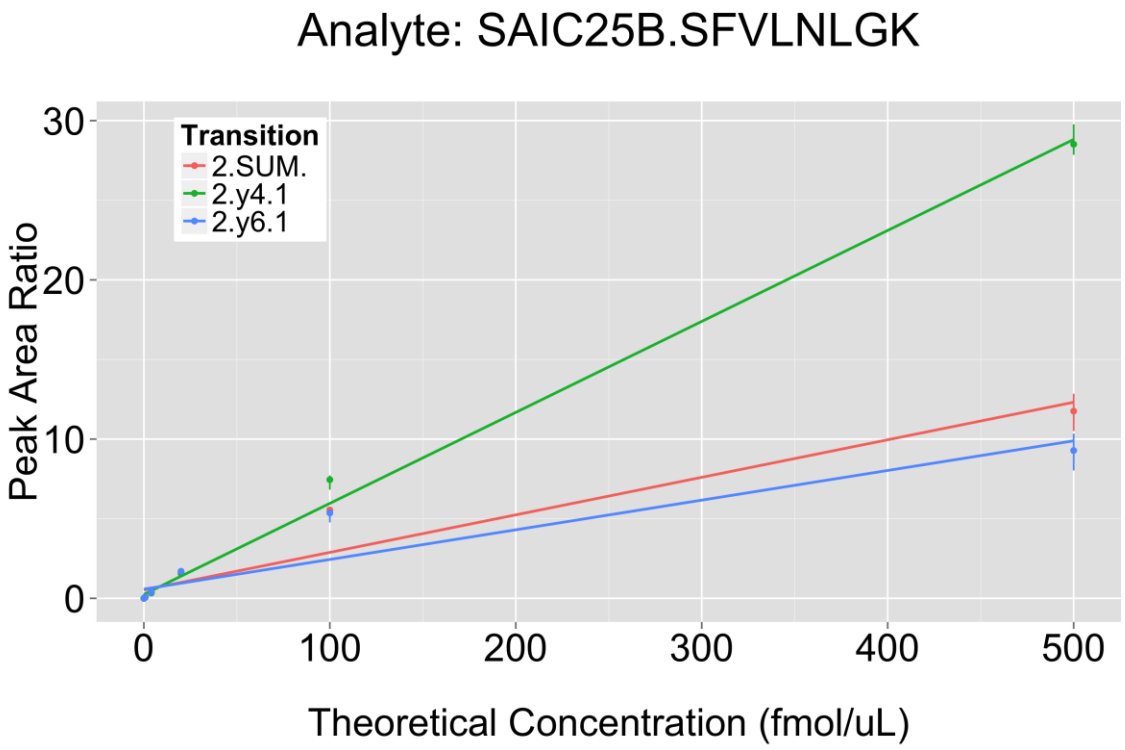
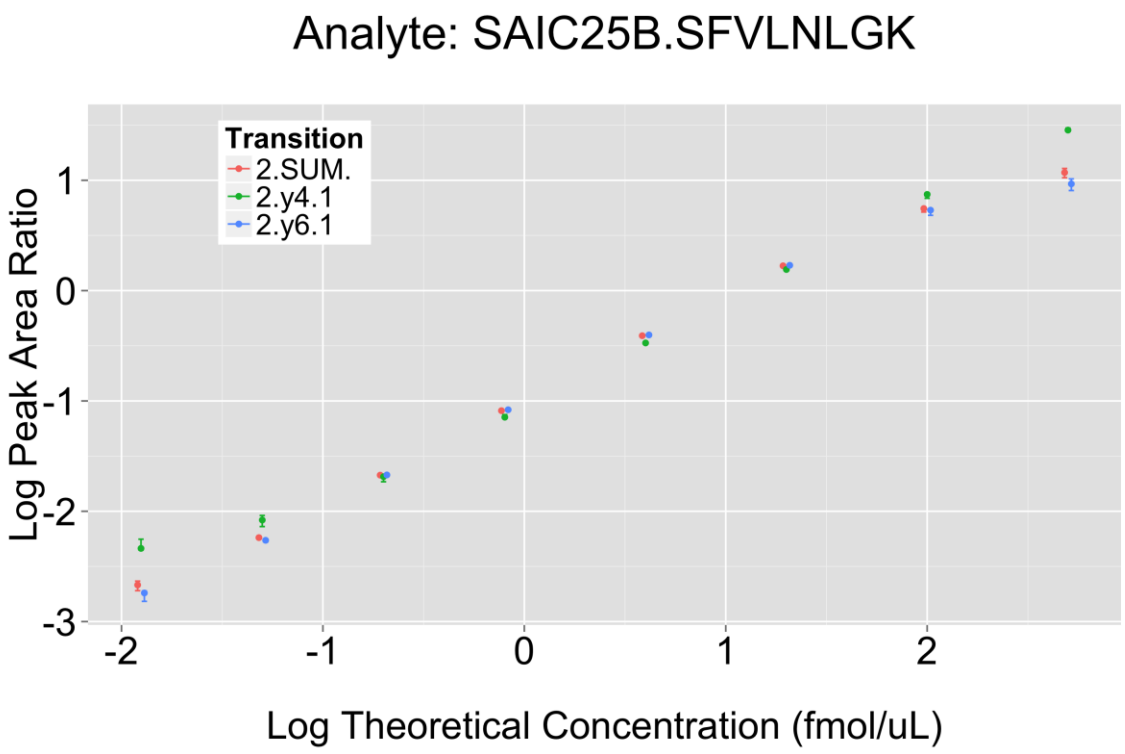
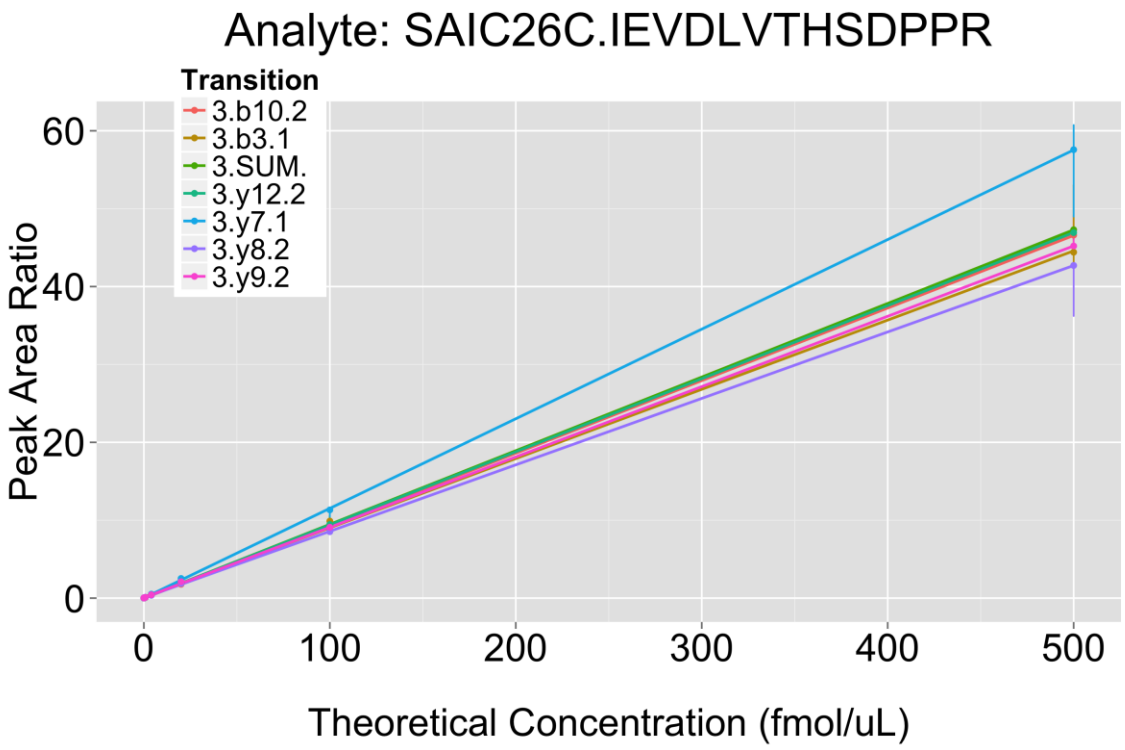
0
1
2
Log Theoretical Concentration (fmol/uL)

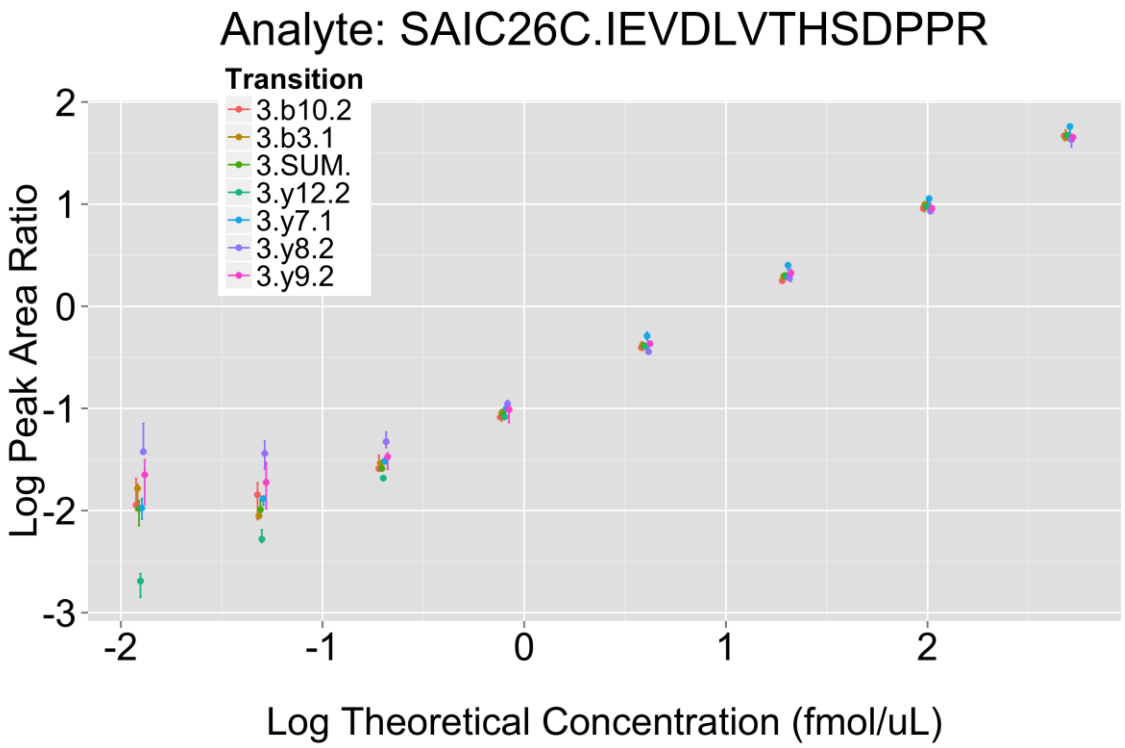
SAIC-25B, LGALS1, SFVLNLGK.





SAIC-26C, NFKB2, IEVDLVTHSDPPR.





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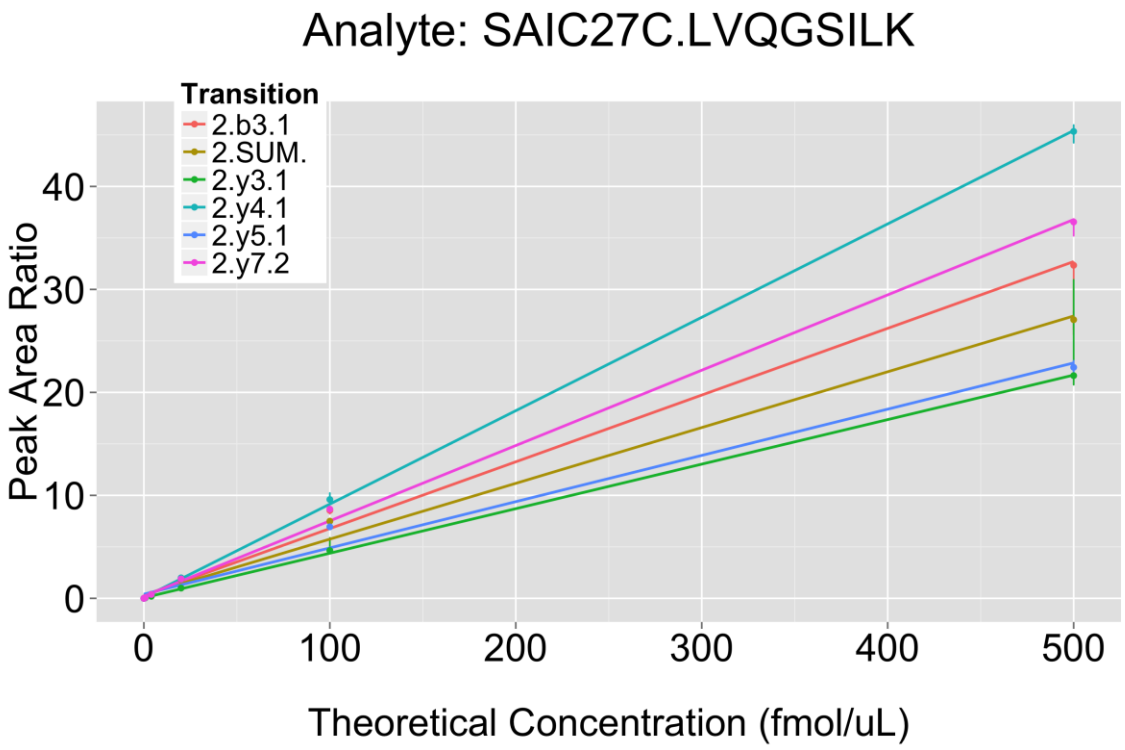

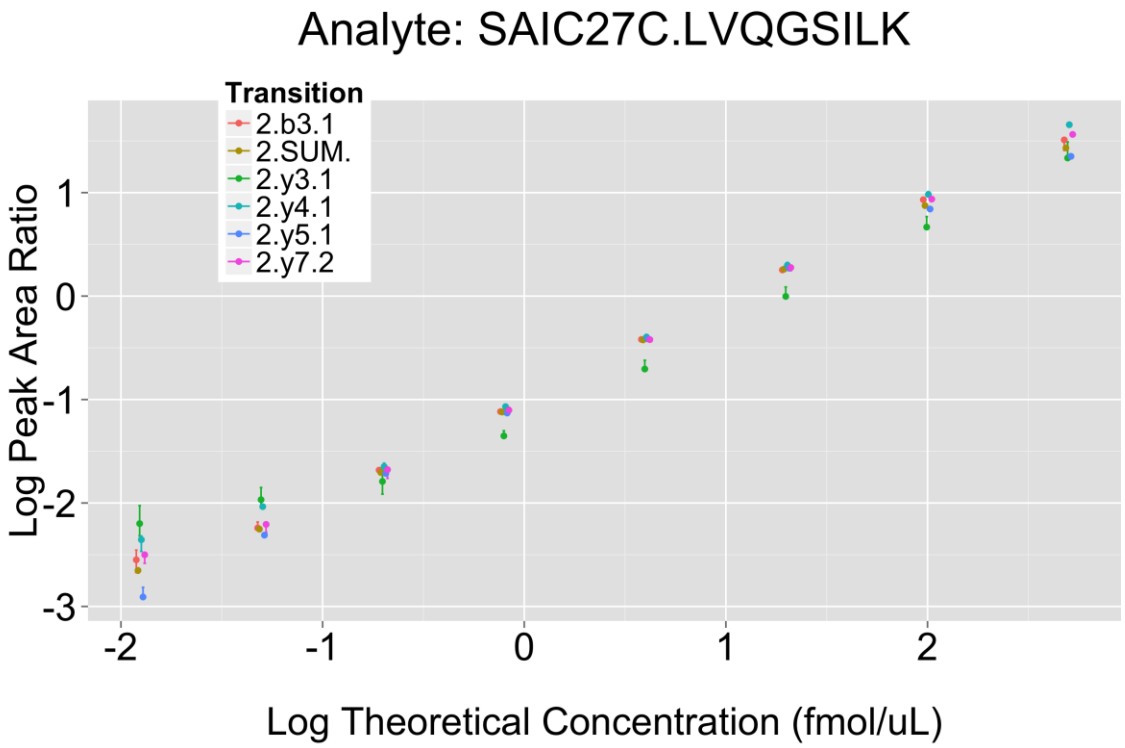

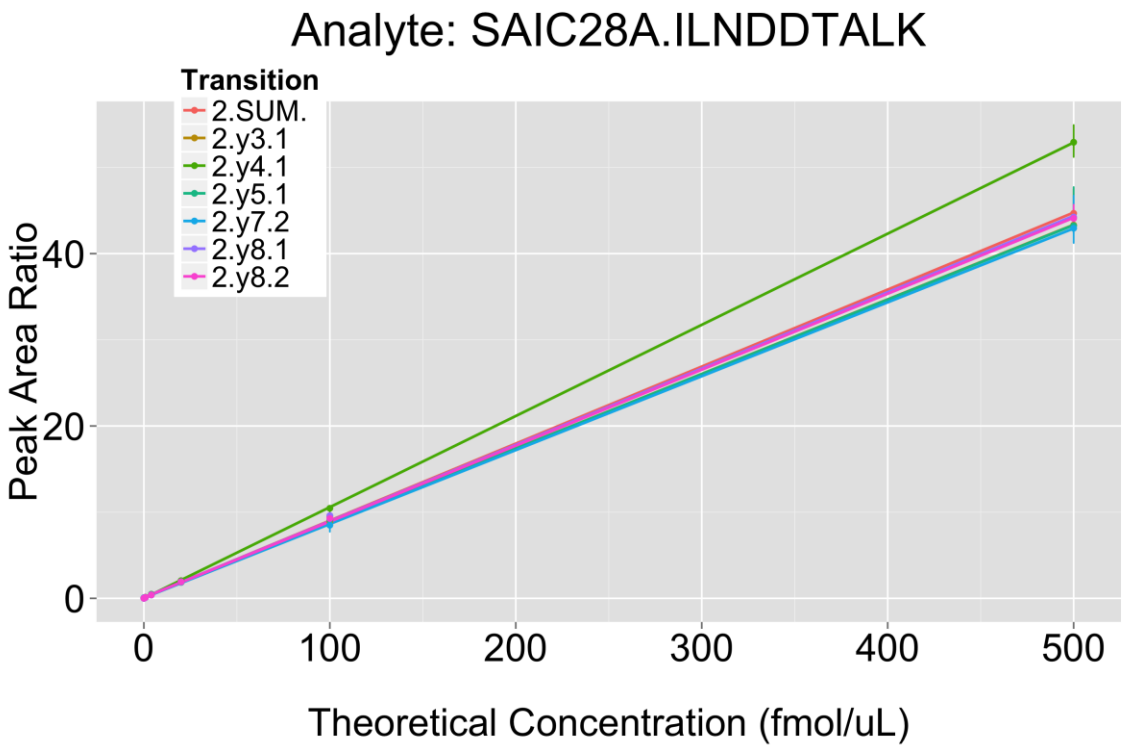
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2.y5.1
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2.y8.2
Peak Area Ratio
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20
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0
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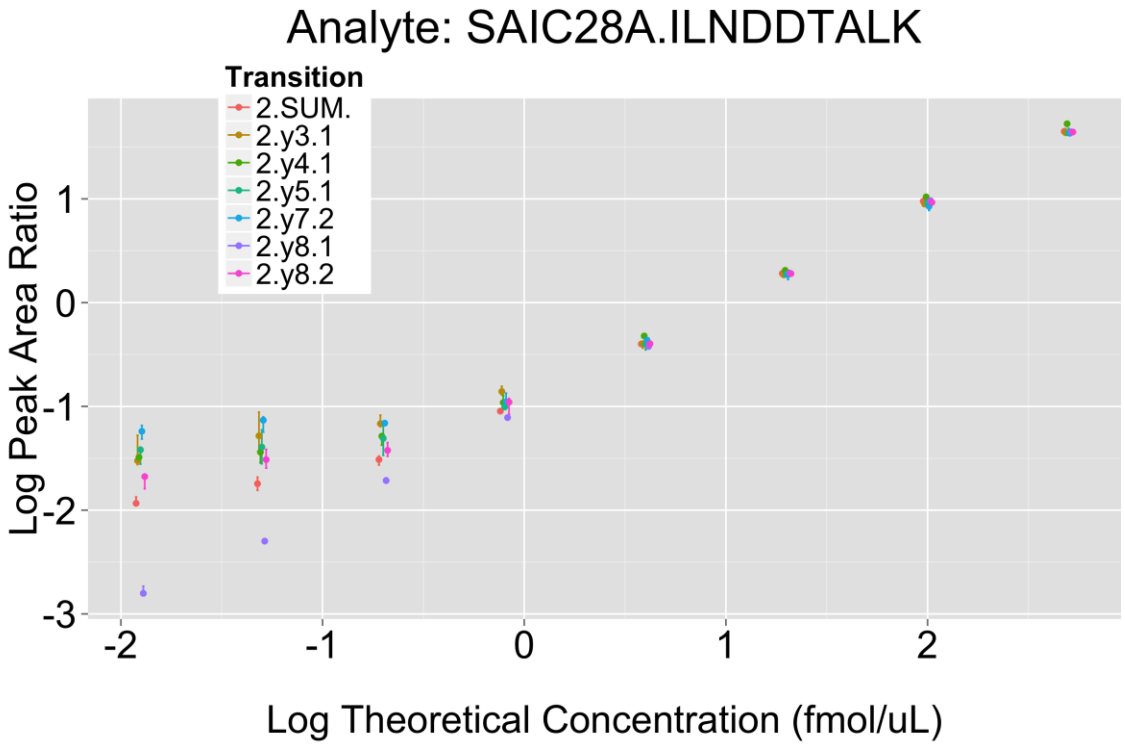
200
300
400
500
Theoretical Concentration (fmol/uL)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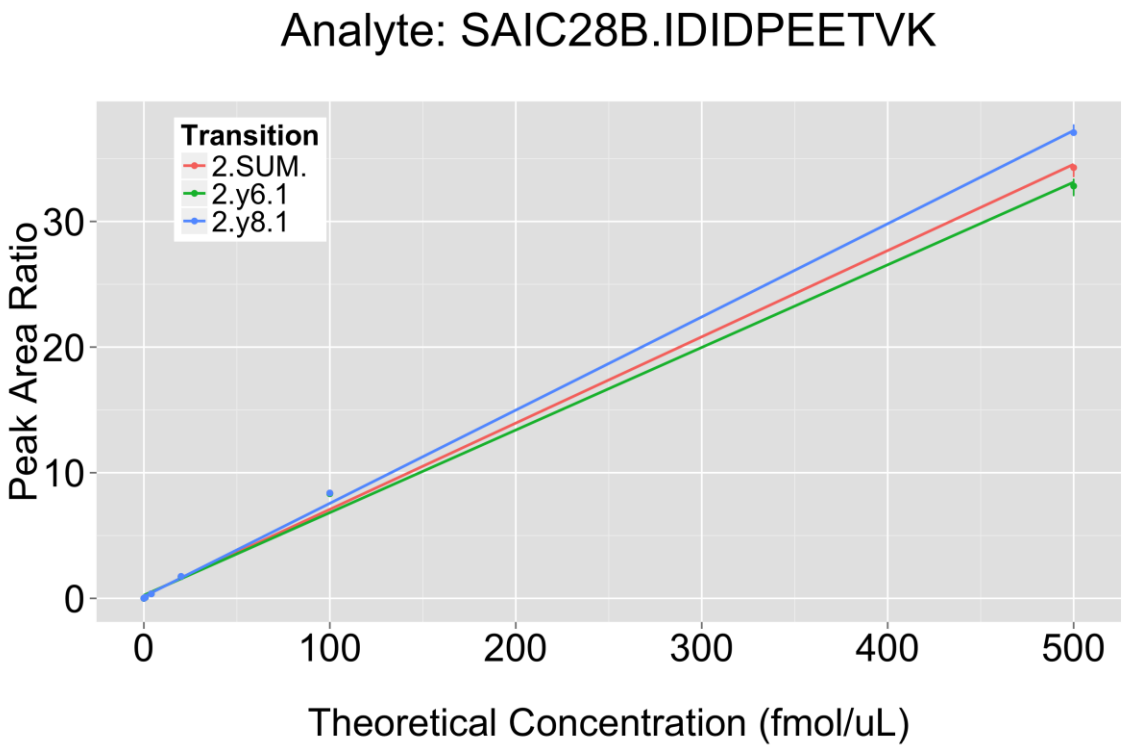
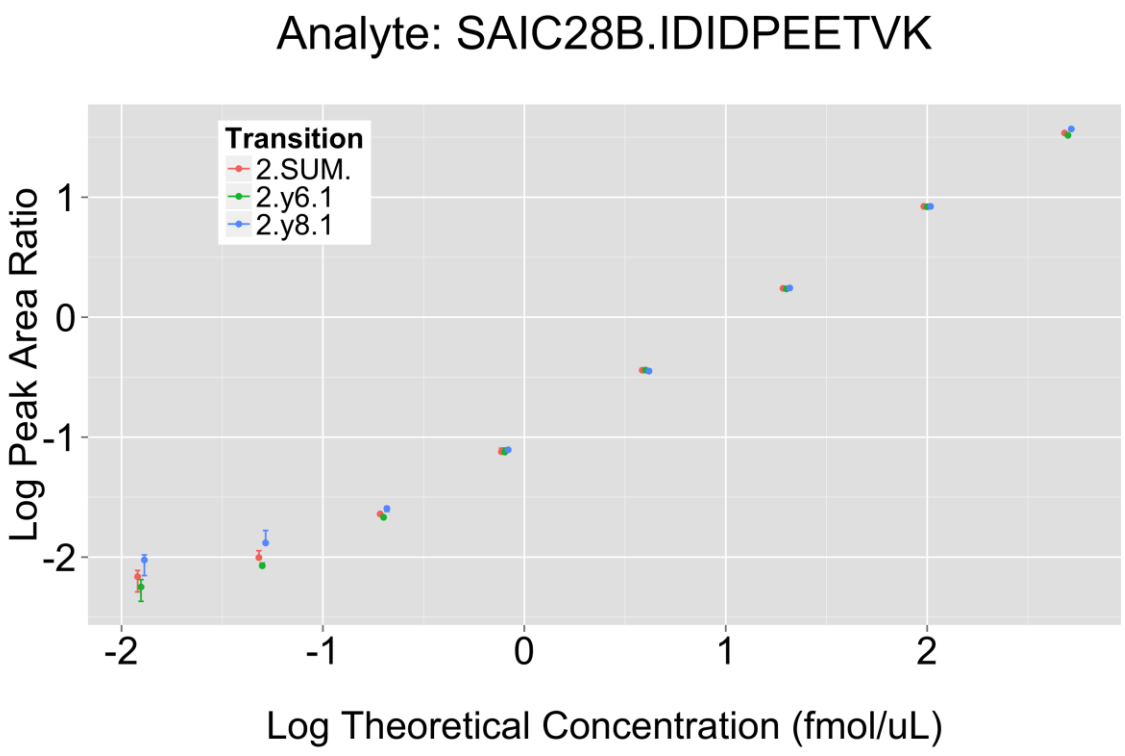
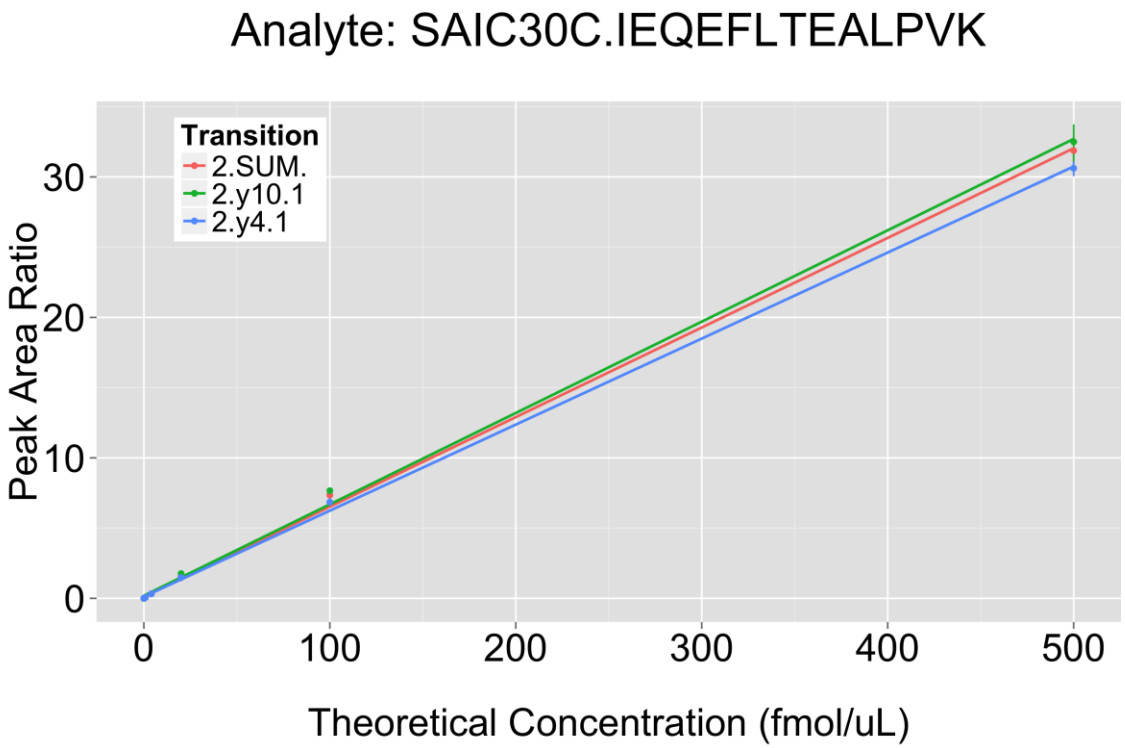
2.y5.1
2.y7.2
2.y8.1
2.y8.2
Log Peak Area Ratio
-3
-2
-1
0
1
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)

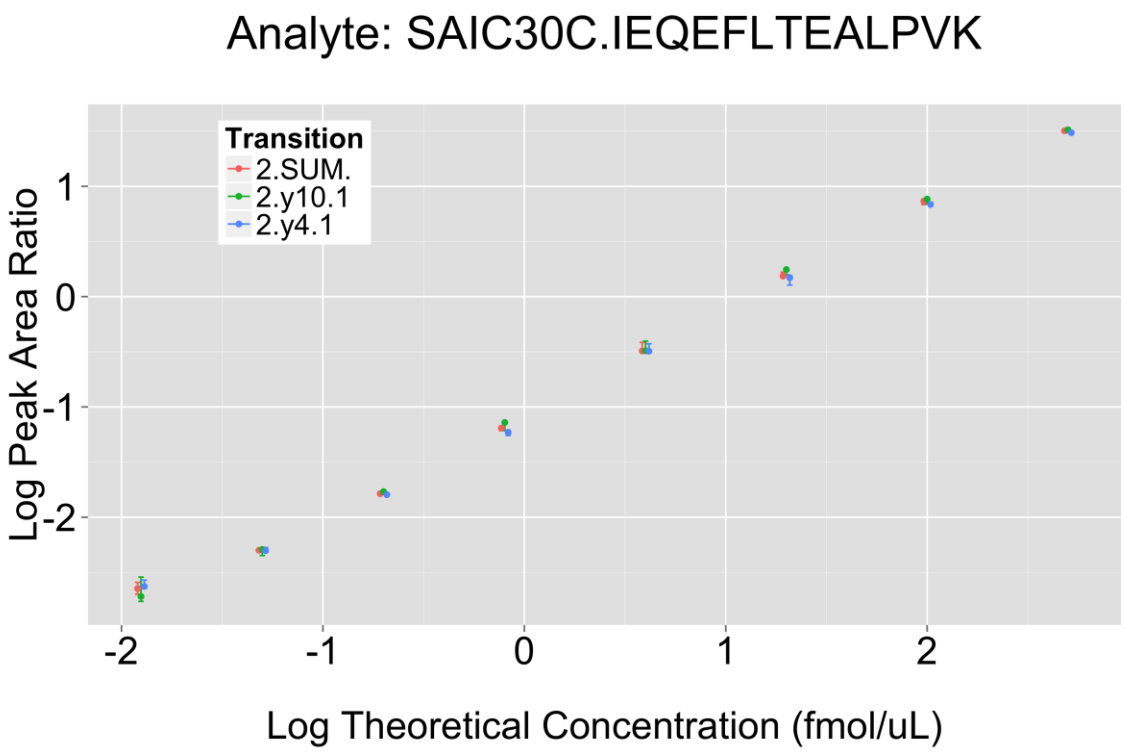
SAIC-28B, RAD23B, IDIDPEETVK.



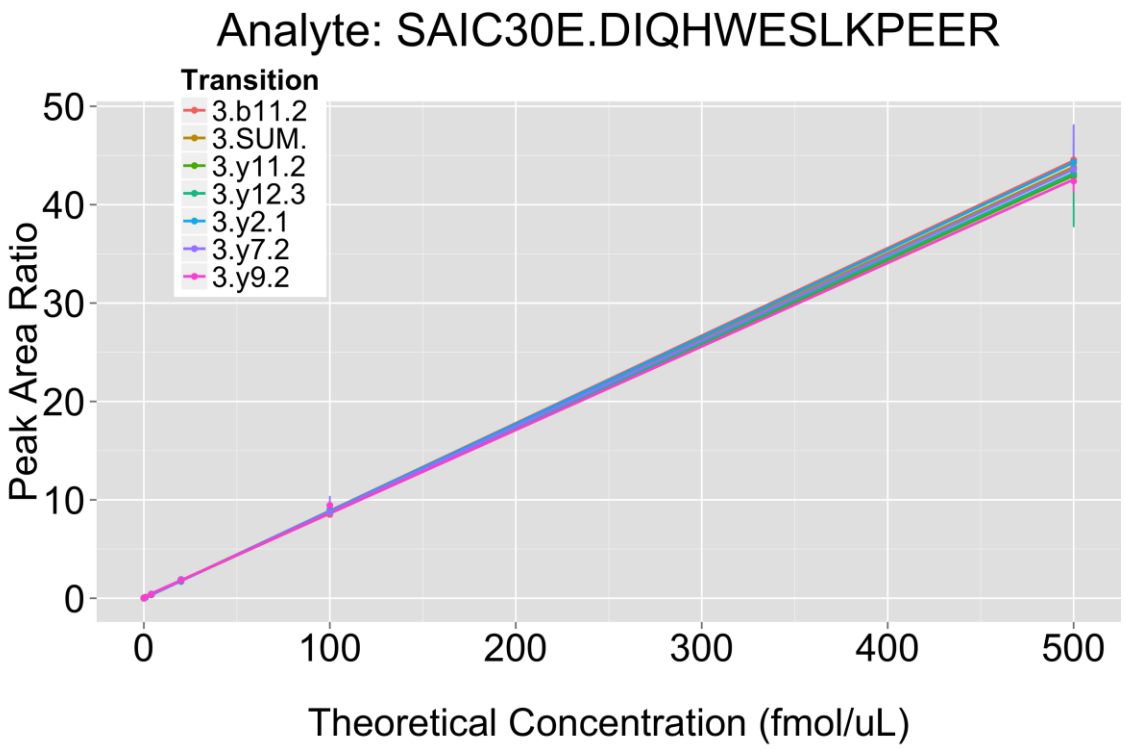


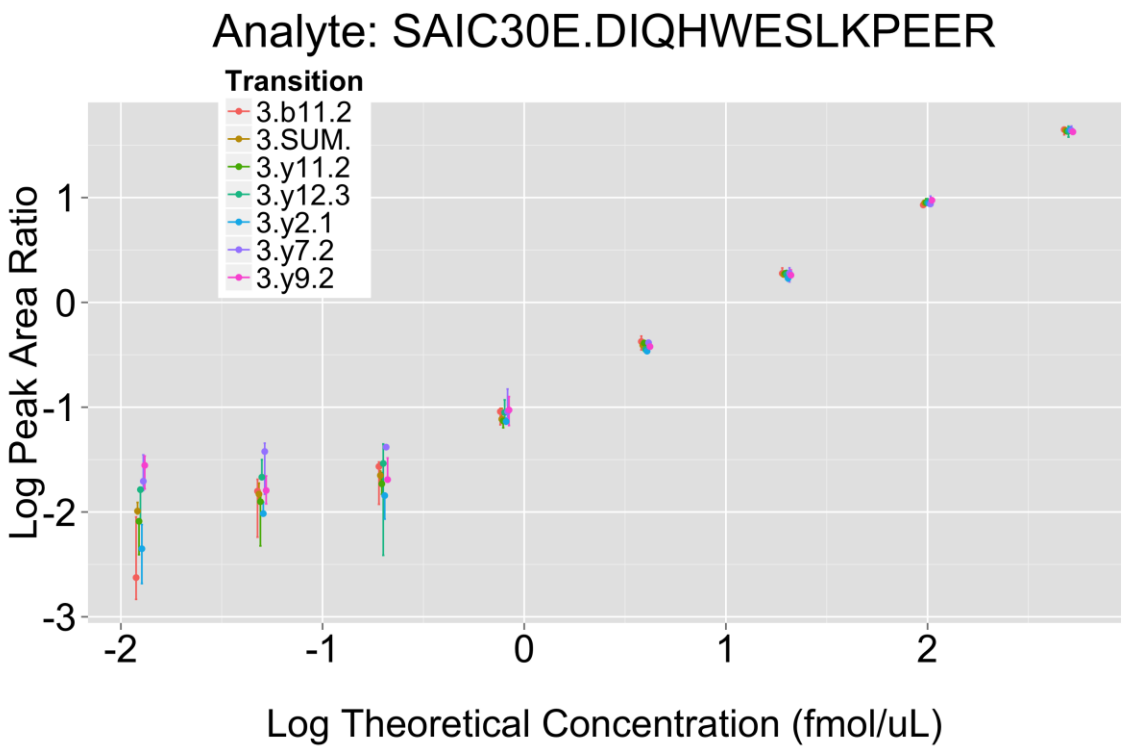
SAIC-30C, RRM2, IEQEFLTEALPVK.



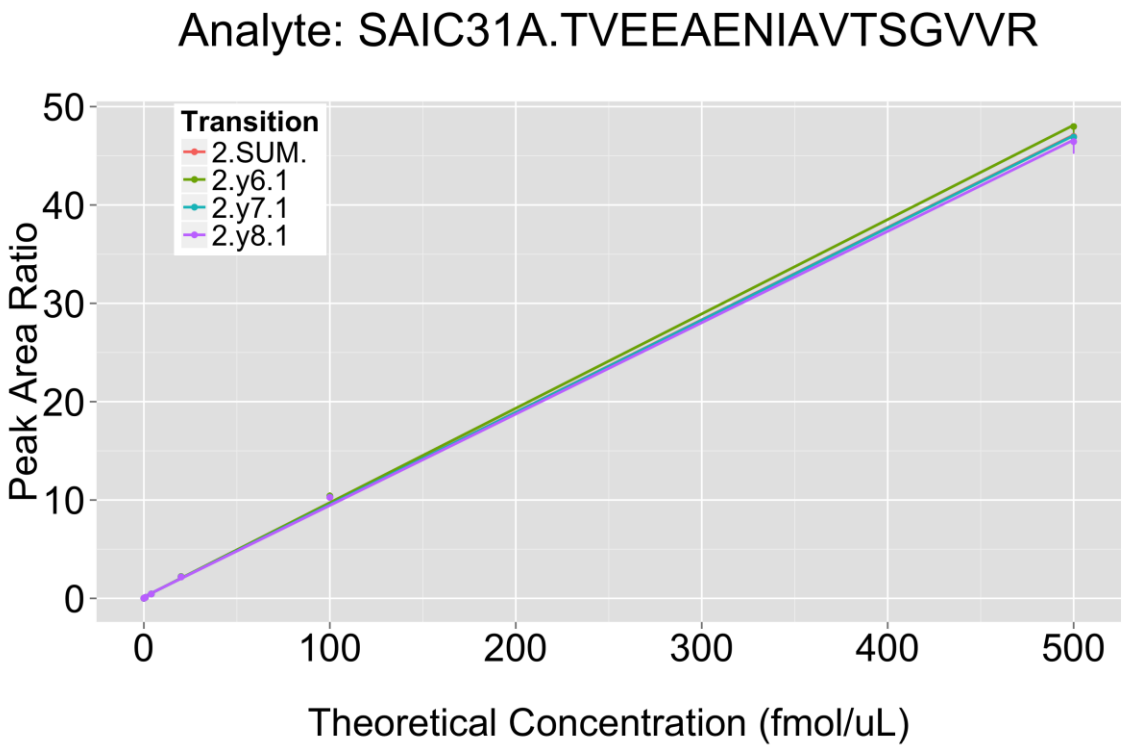


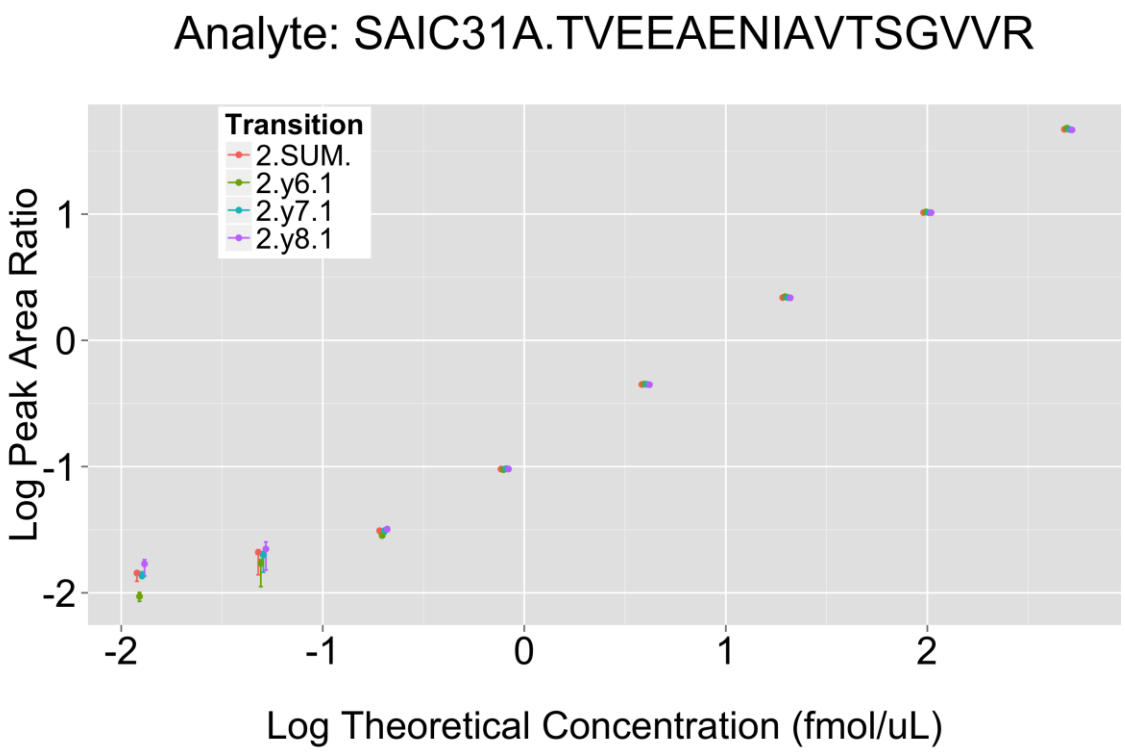
SAIC-30E, RRM2, DIQHWESLKPEER.



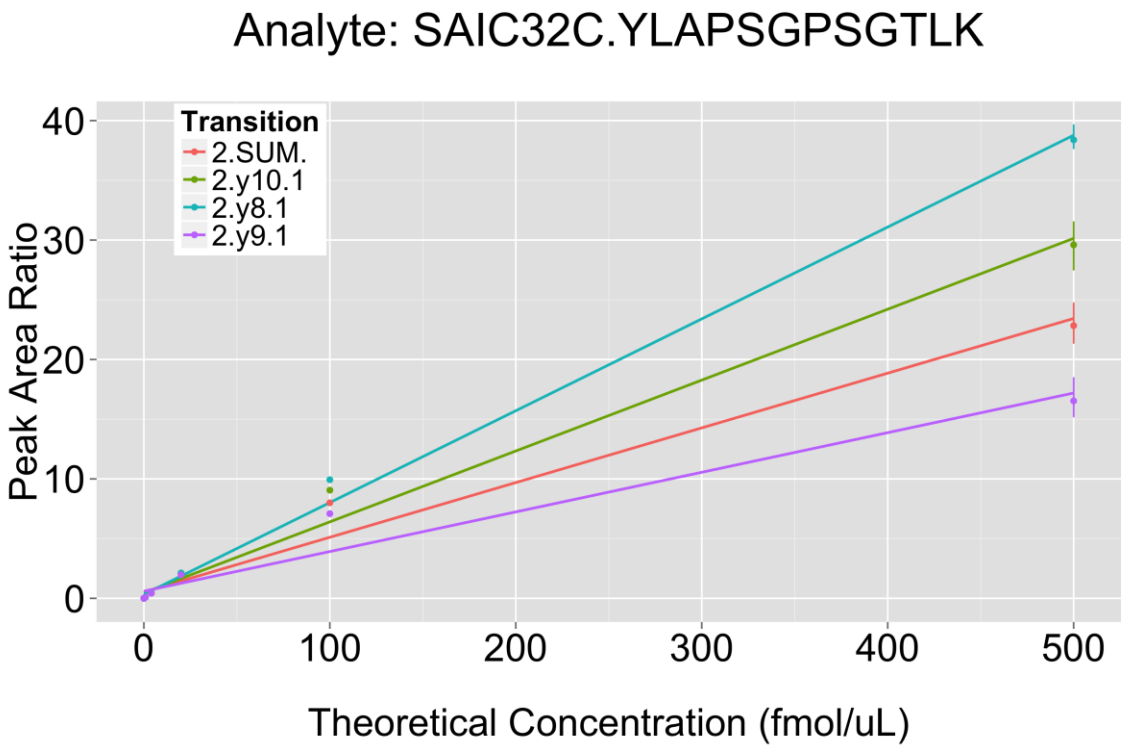


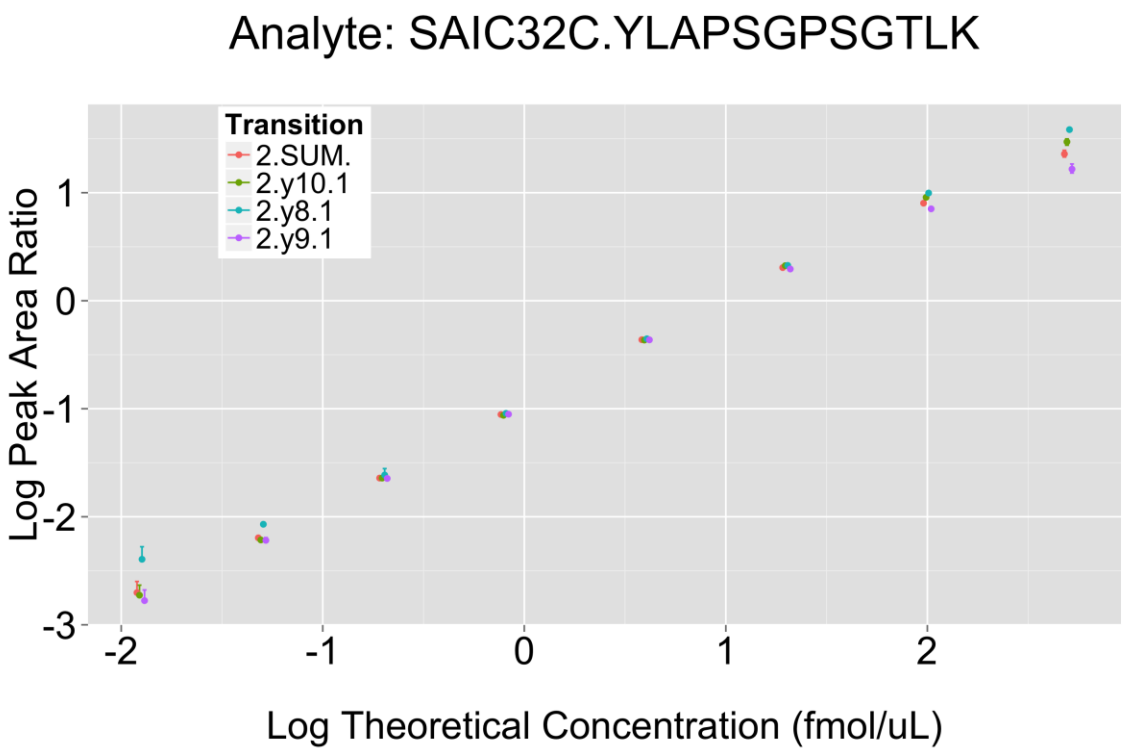
SAIC-31A, SNCG, TVEEAENIAVTSGVVR.



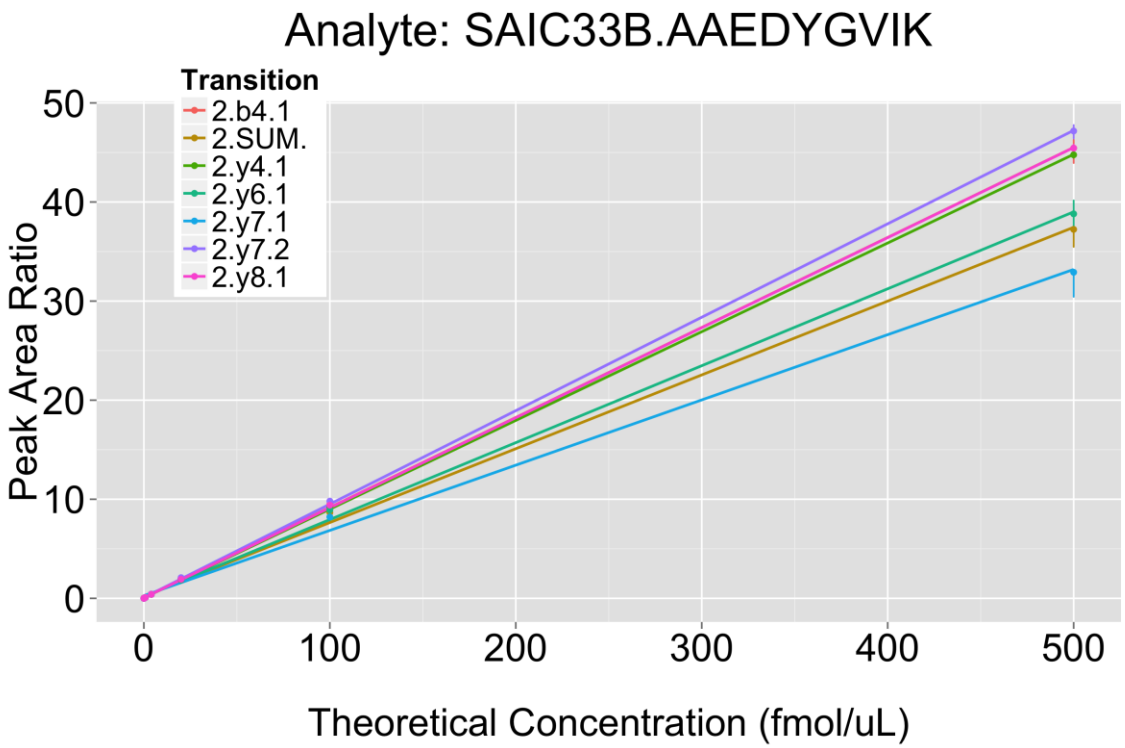


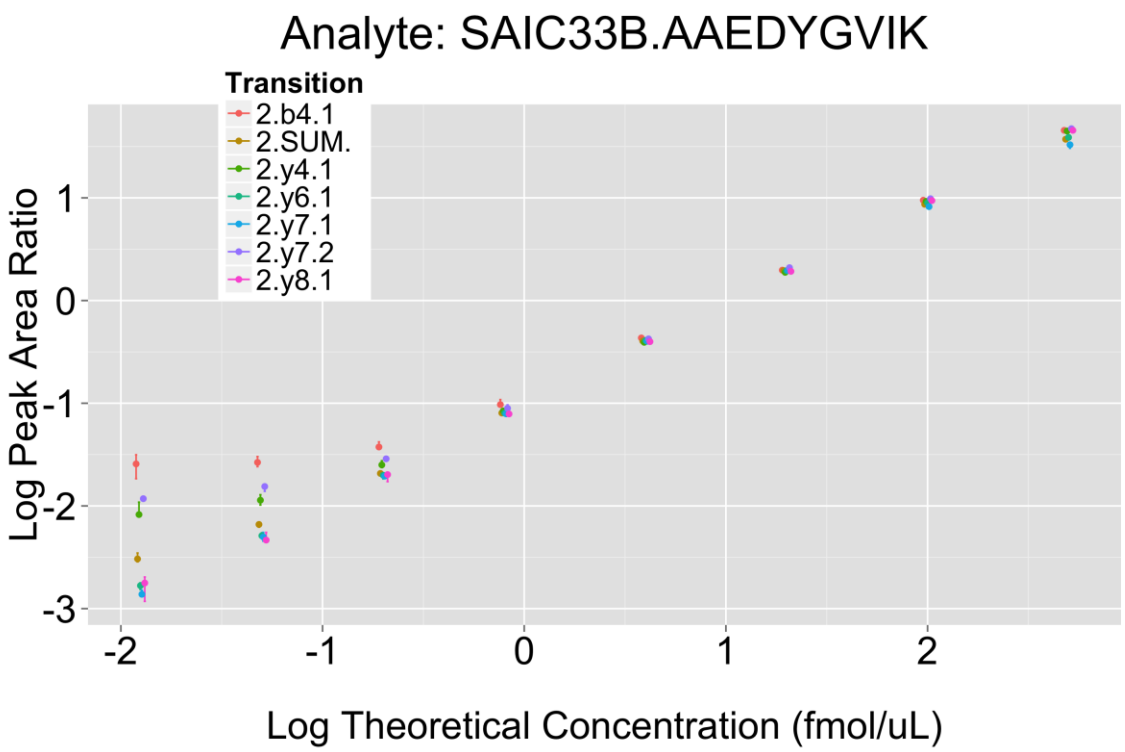
SAIC-32C, FSCN1, YLAPSGPSGTLK.



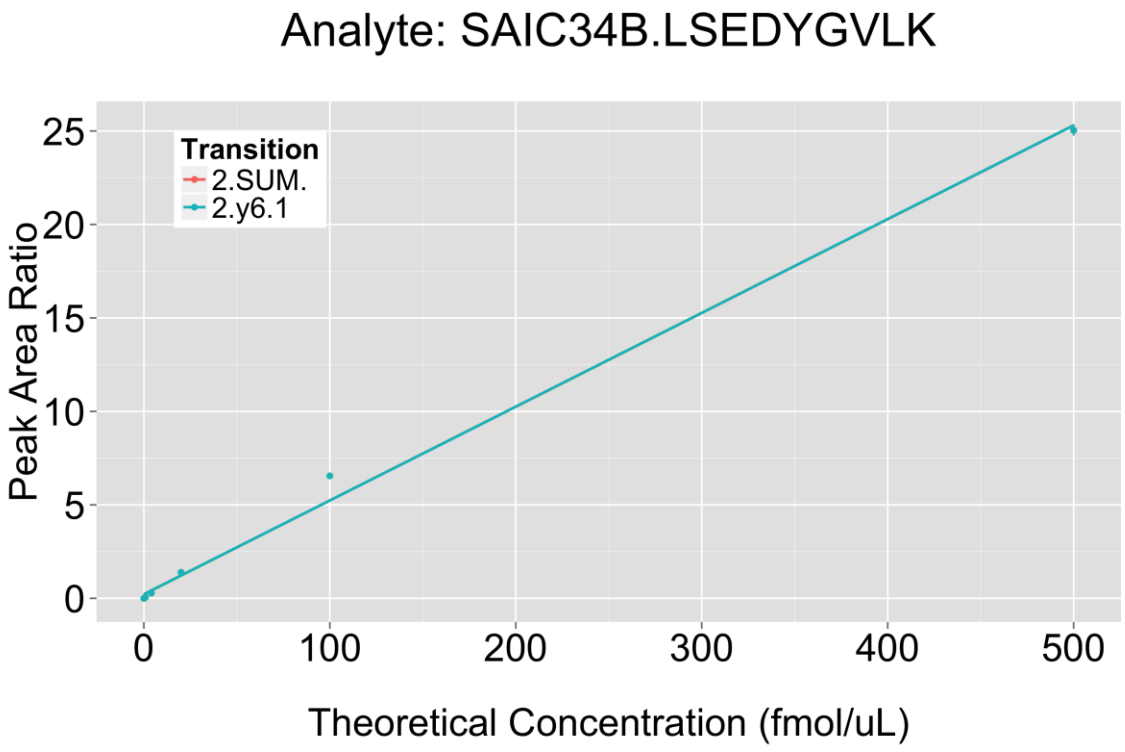


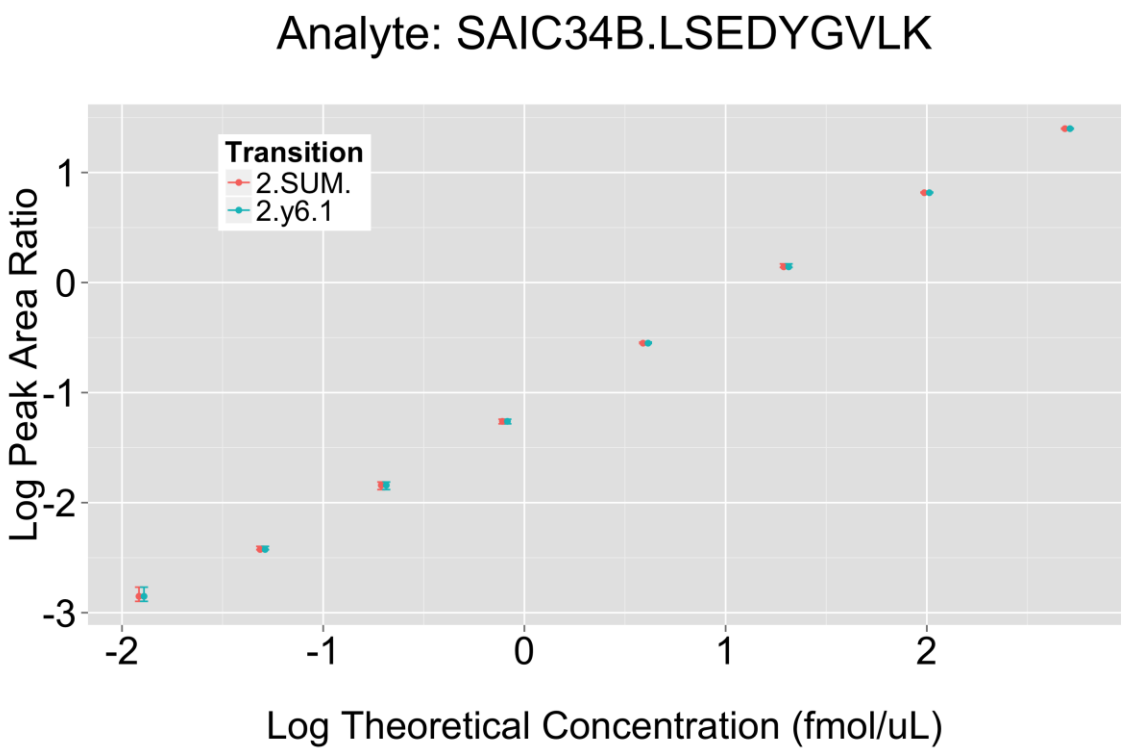
SAIC-33B, TAGLN, AAEDYGVIK.



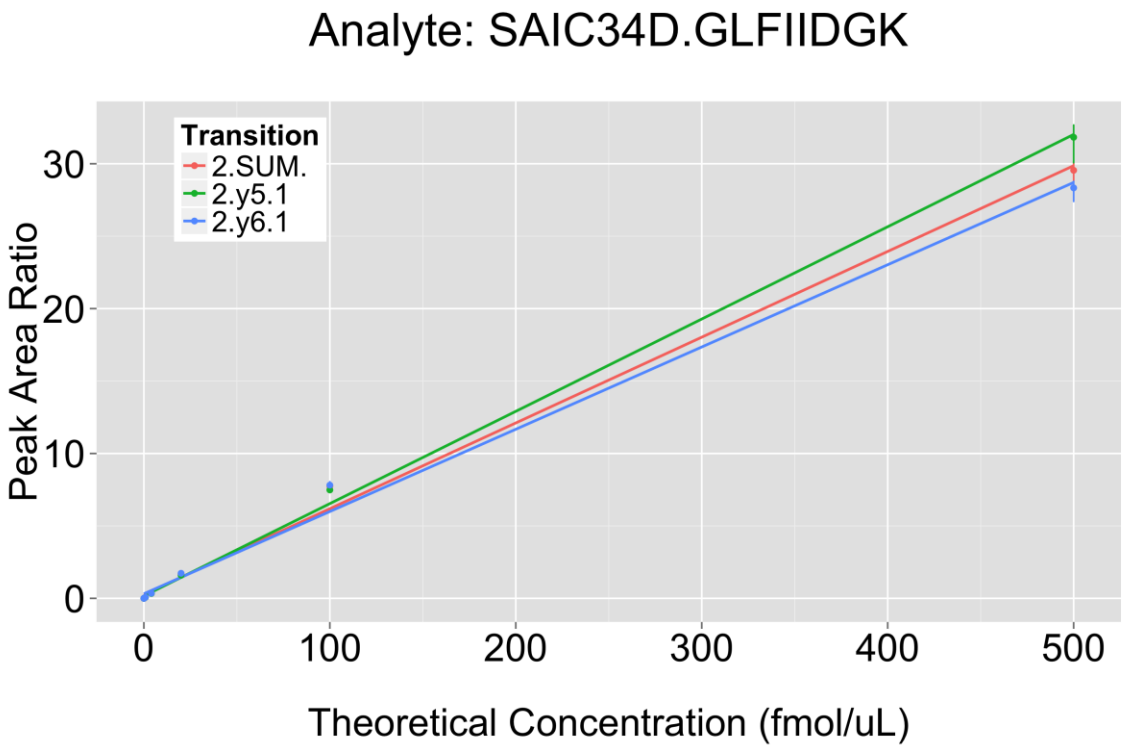


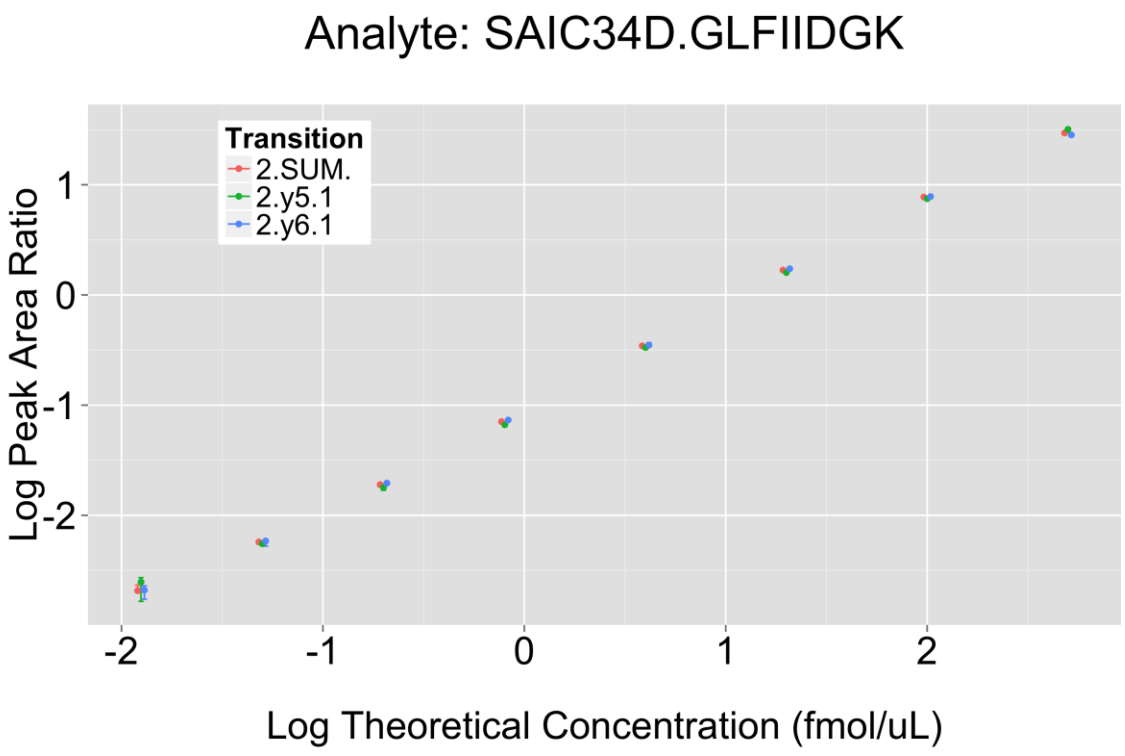
SAIC-34B, PRDX2, LSEDYGVLK.



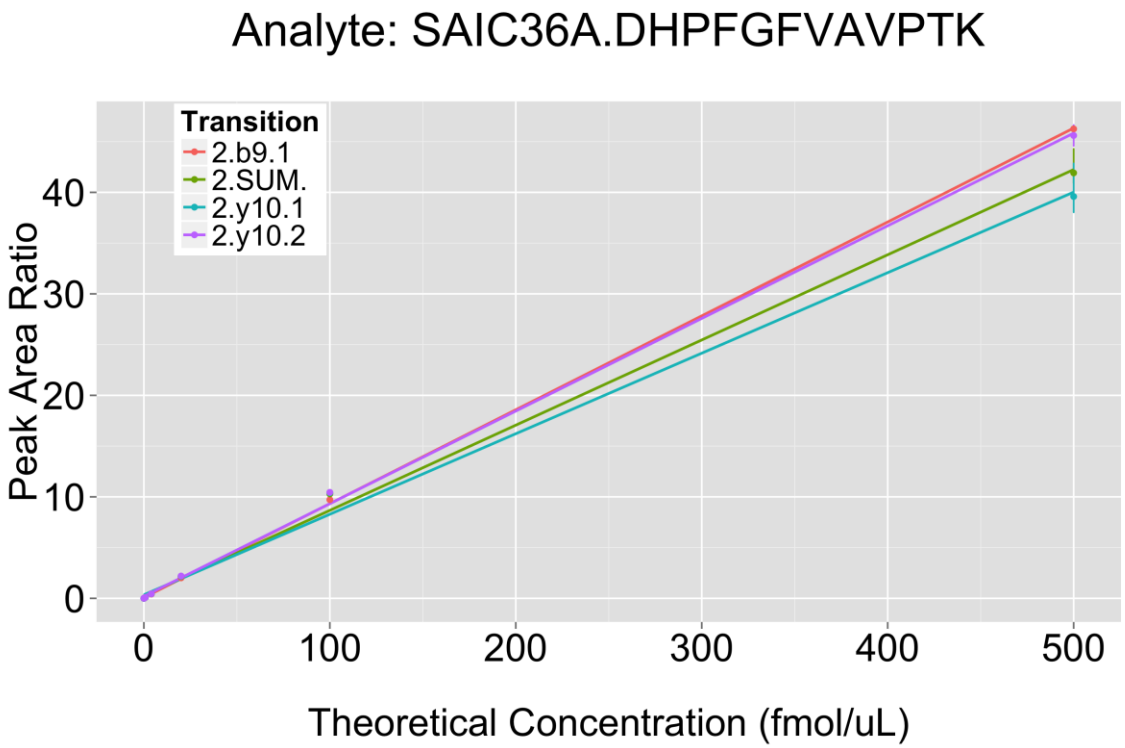


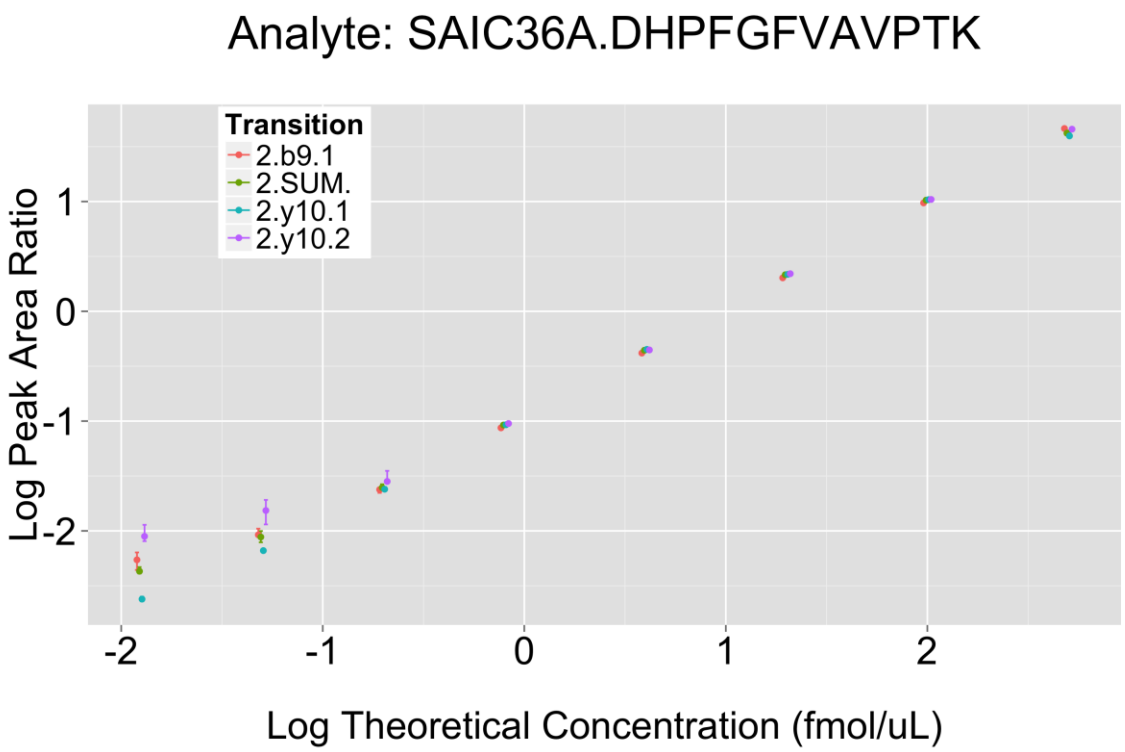
SAIC-34D, PRDX2, GLFIIDGK.

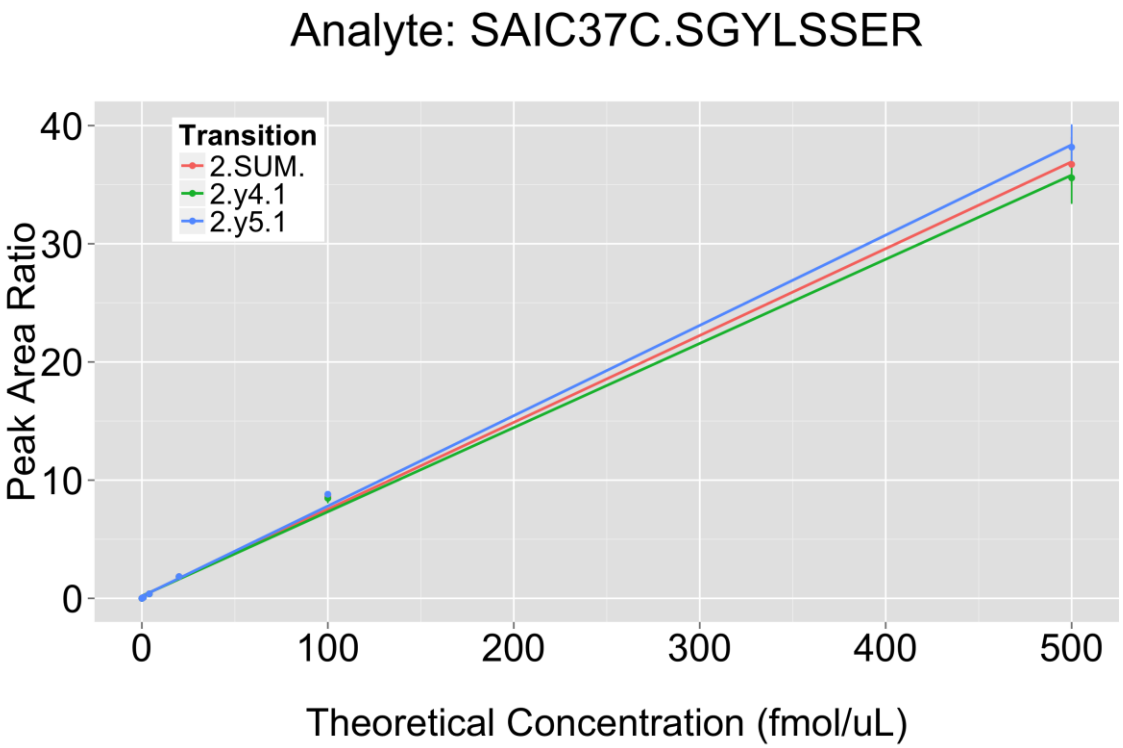


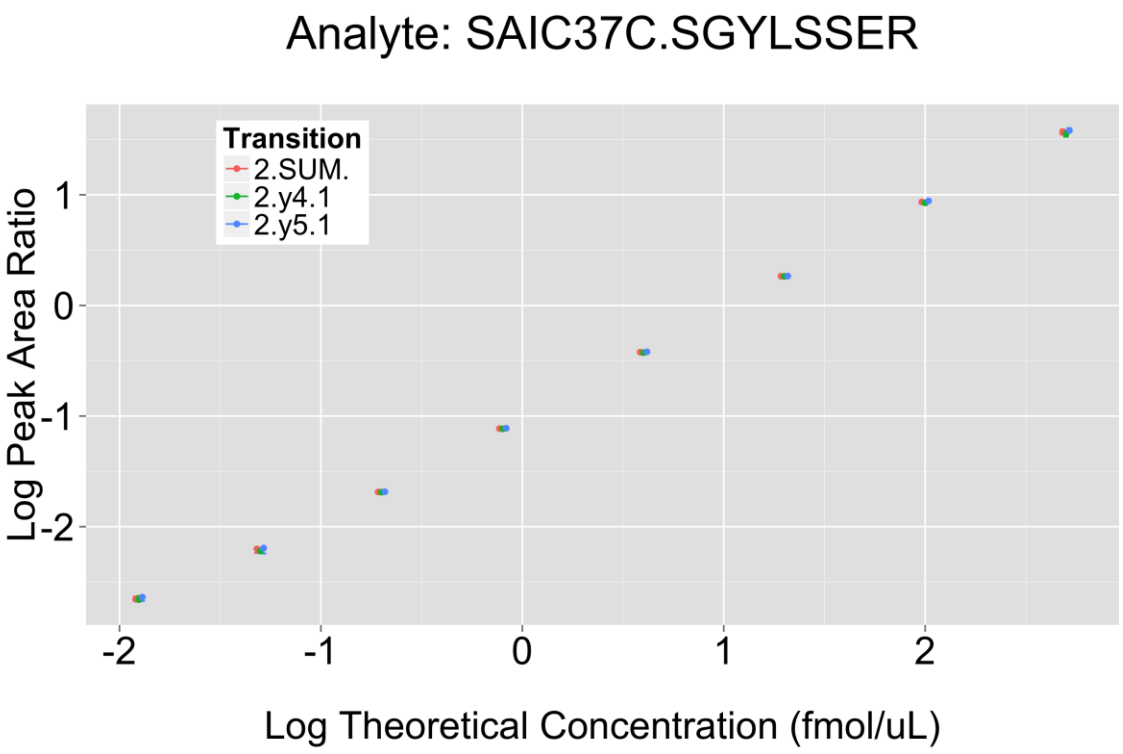


SAIC-36A, UBE2I, DHPFGFVAVPTK.

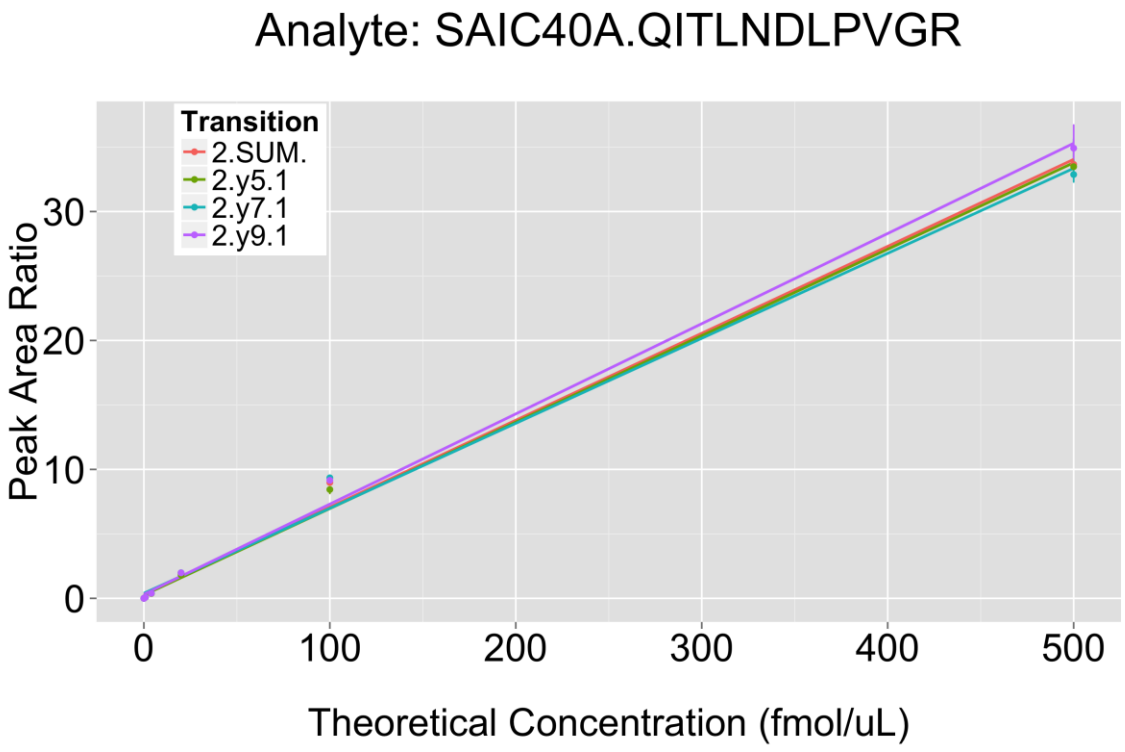


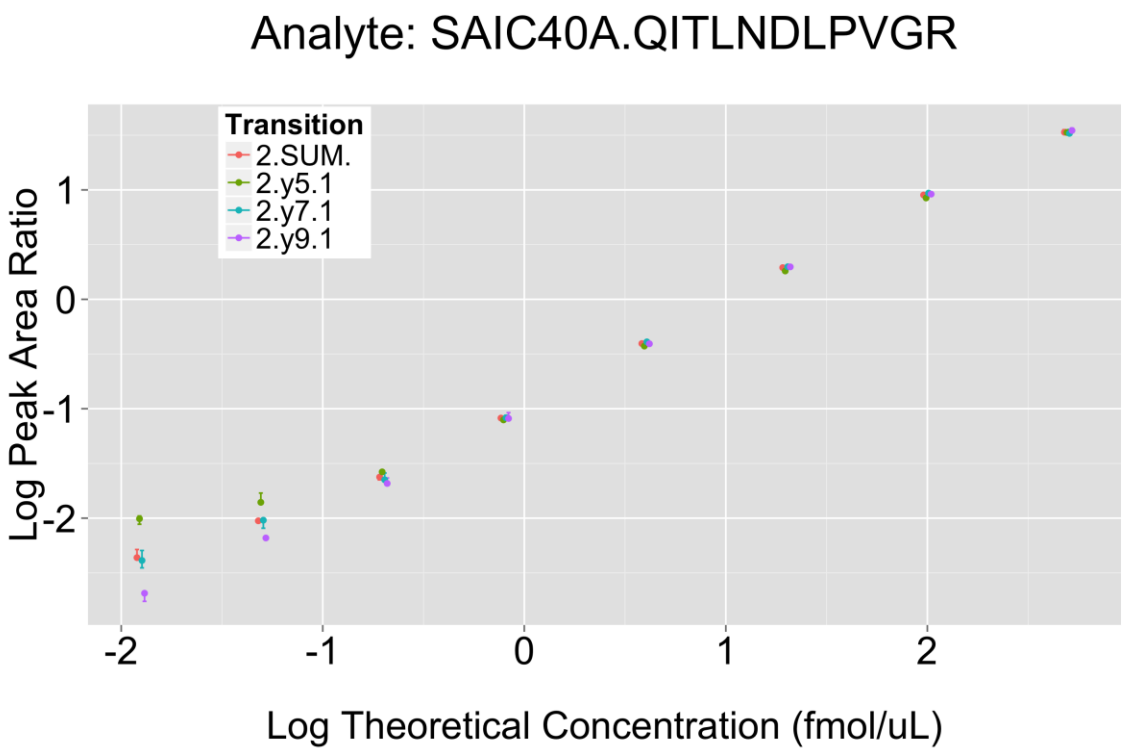



Analyte: SAIC37C.SGYLSSER
Transition
2.SUM.
2.y4.1
2.y5.1
Peak Area Ratio
0
10
20
30
40
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)

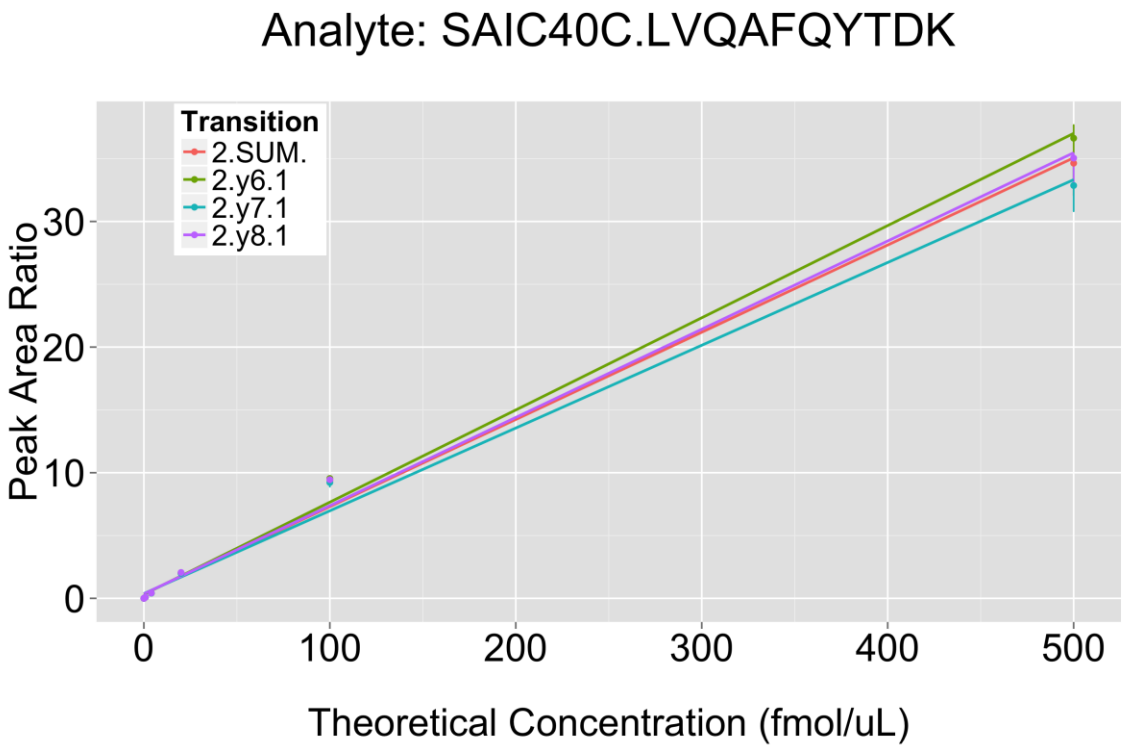

Analyte: SAIC37C.SGYLSSER
Transition
2.SUM.
2.y4.1
2.y5.1
Log Peak Area Ratio
-2
-1
0
1
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)

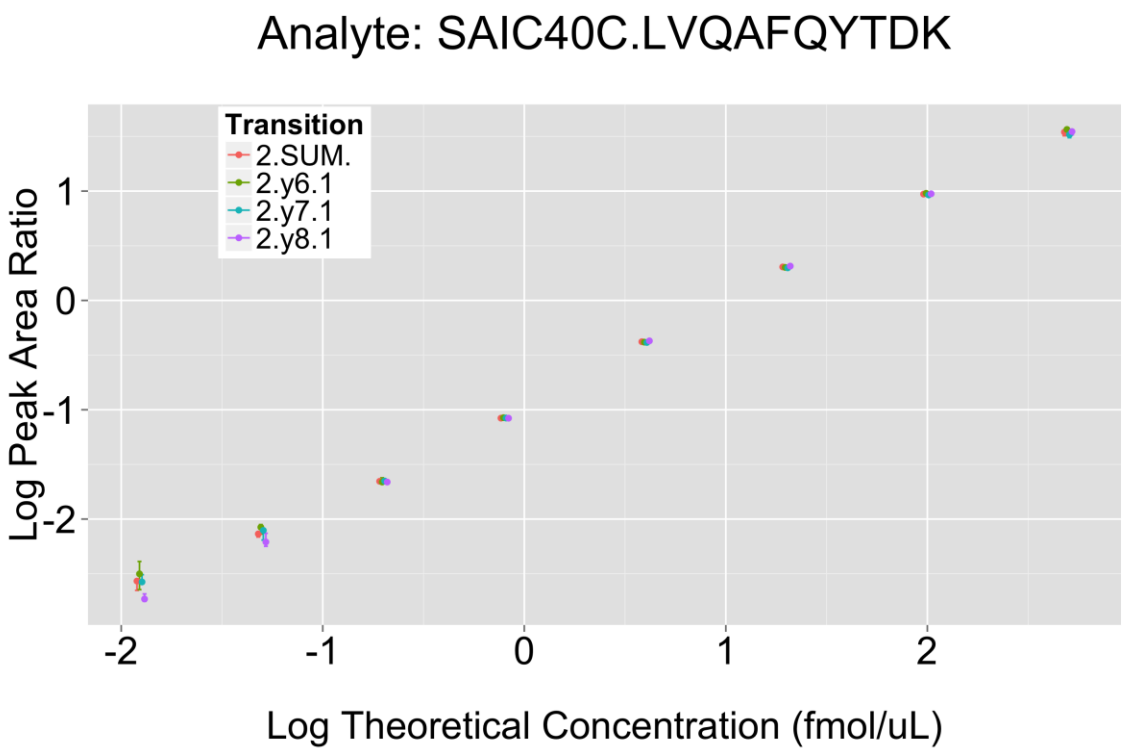
SAIC-40A, PRDX4, QITLNDLPVGR.



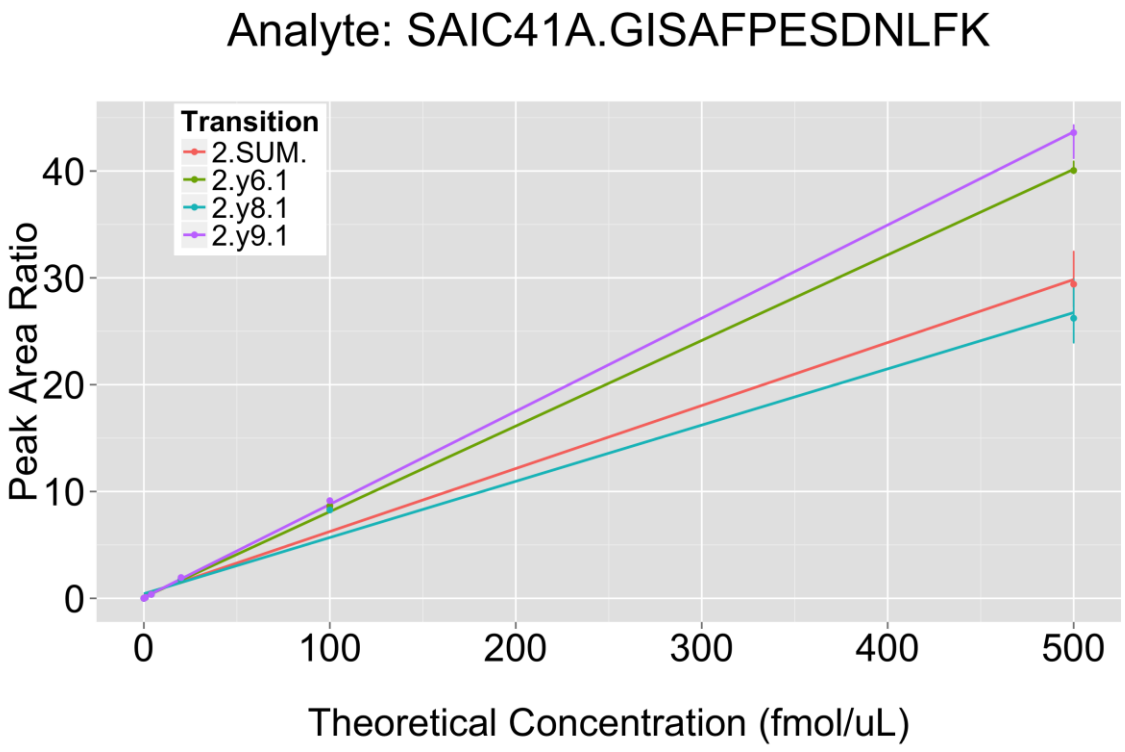


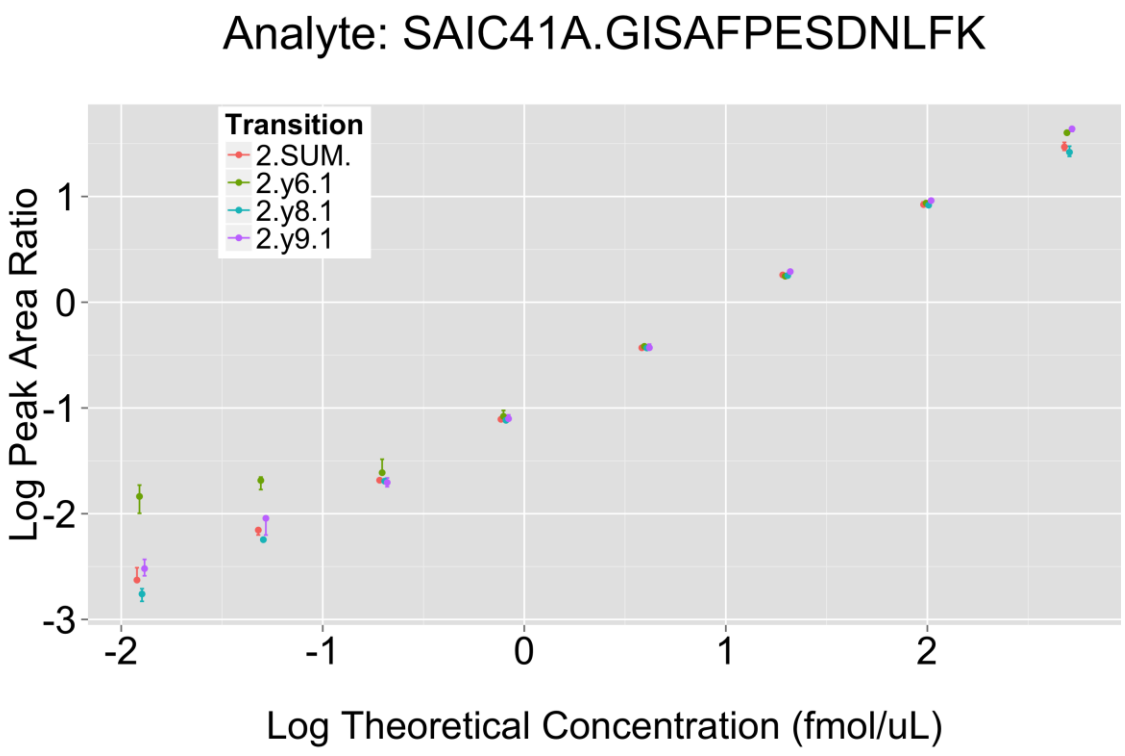
SAIC-40C, PRDX4, LVQAFQYTDK.



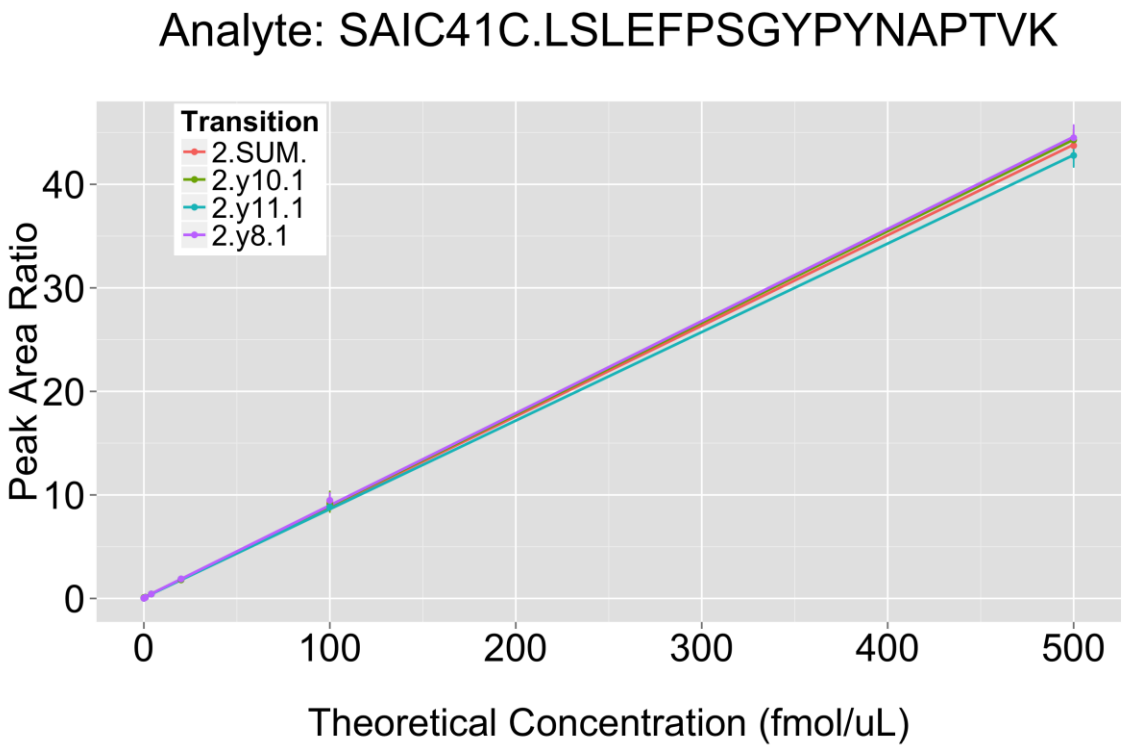


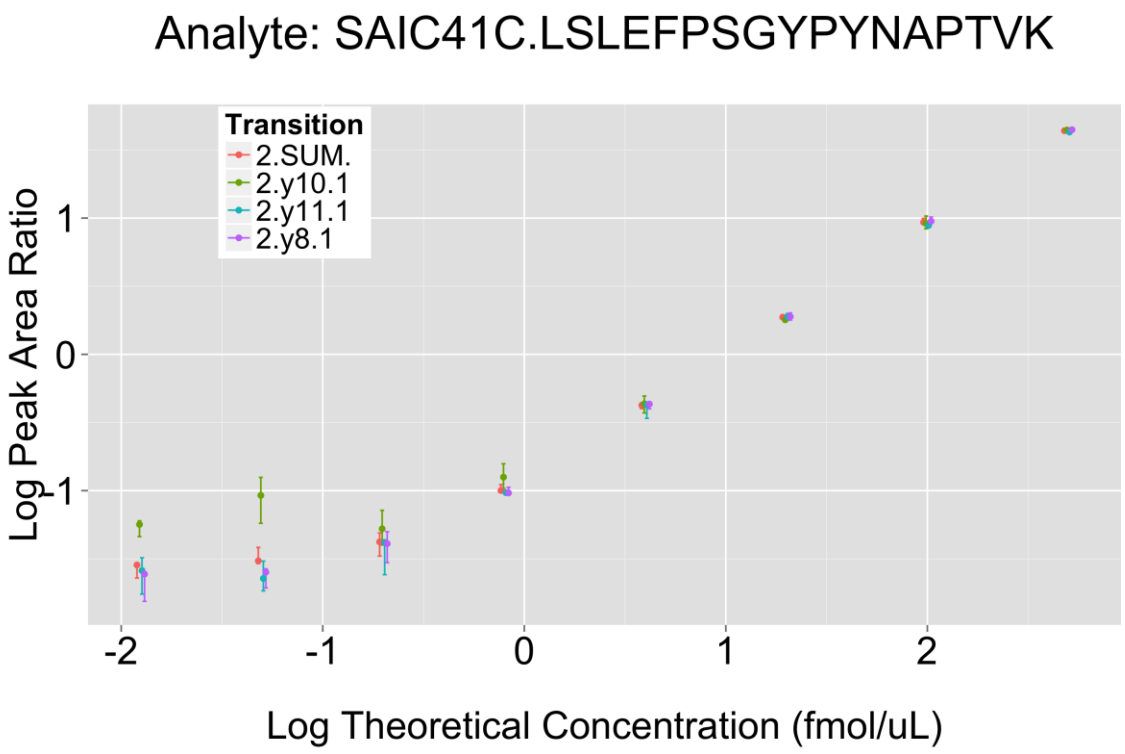
SAIC-41A, UBE2C, GISAFPESDNLFK.



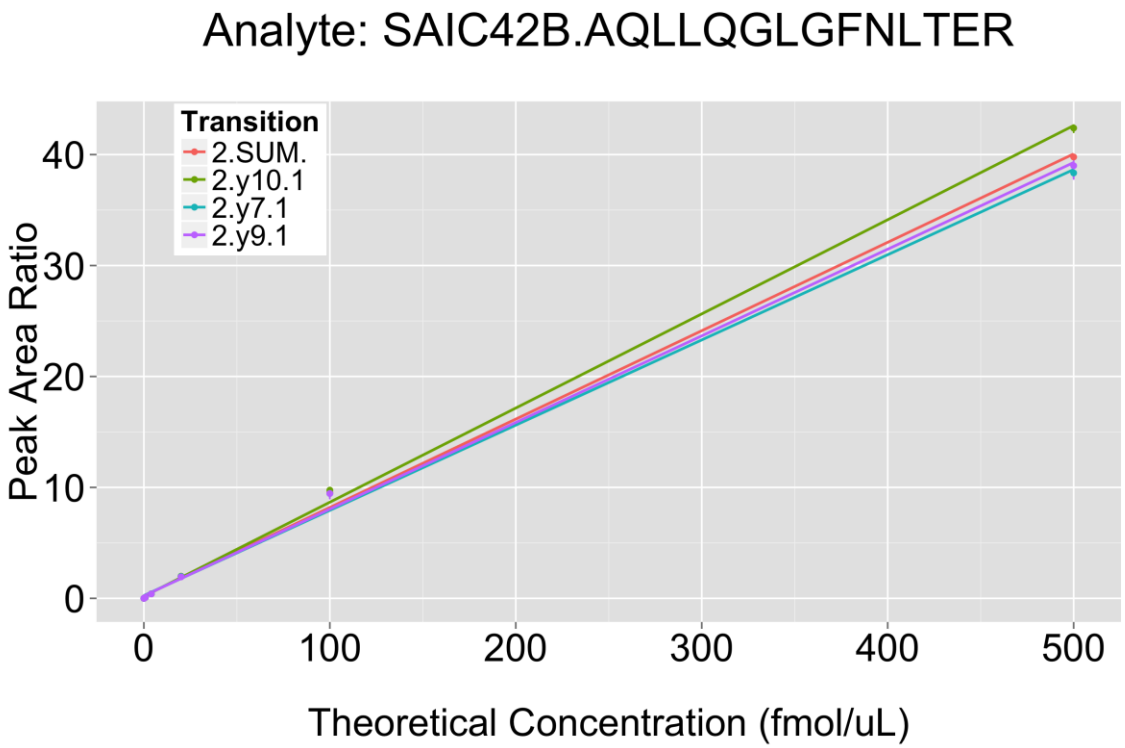


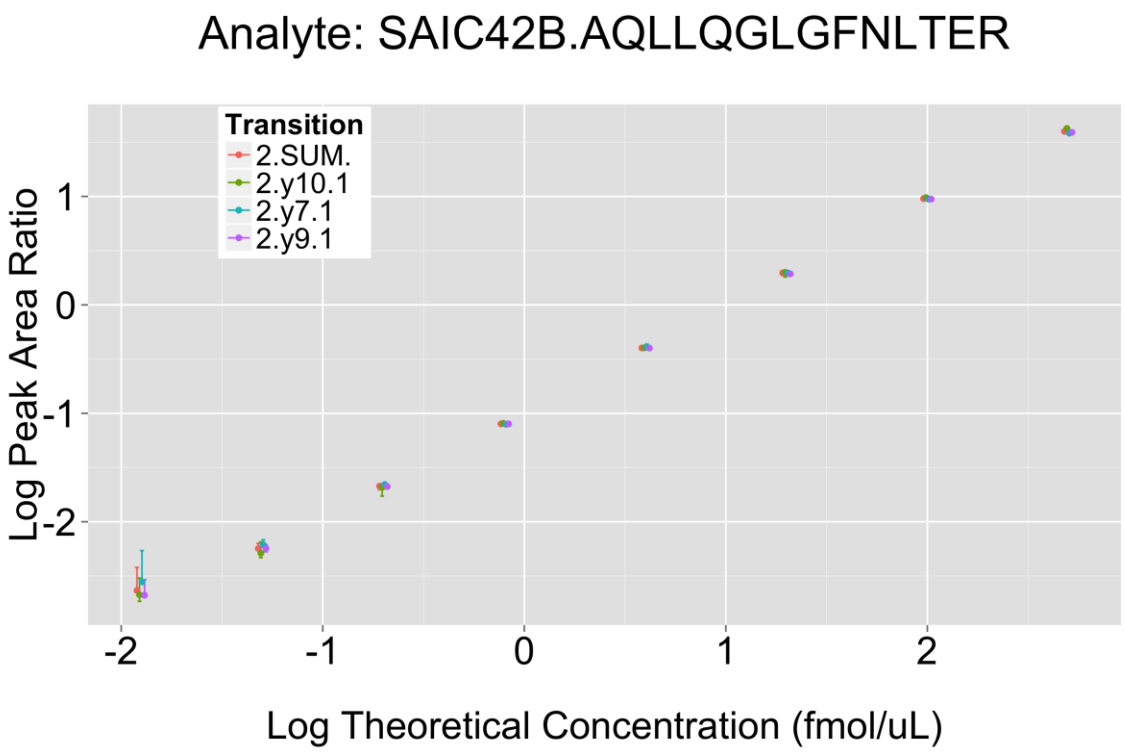
SAIC-41C, UBE2C, LSLEFPSGYPYNAPTVK.



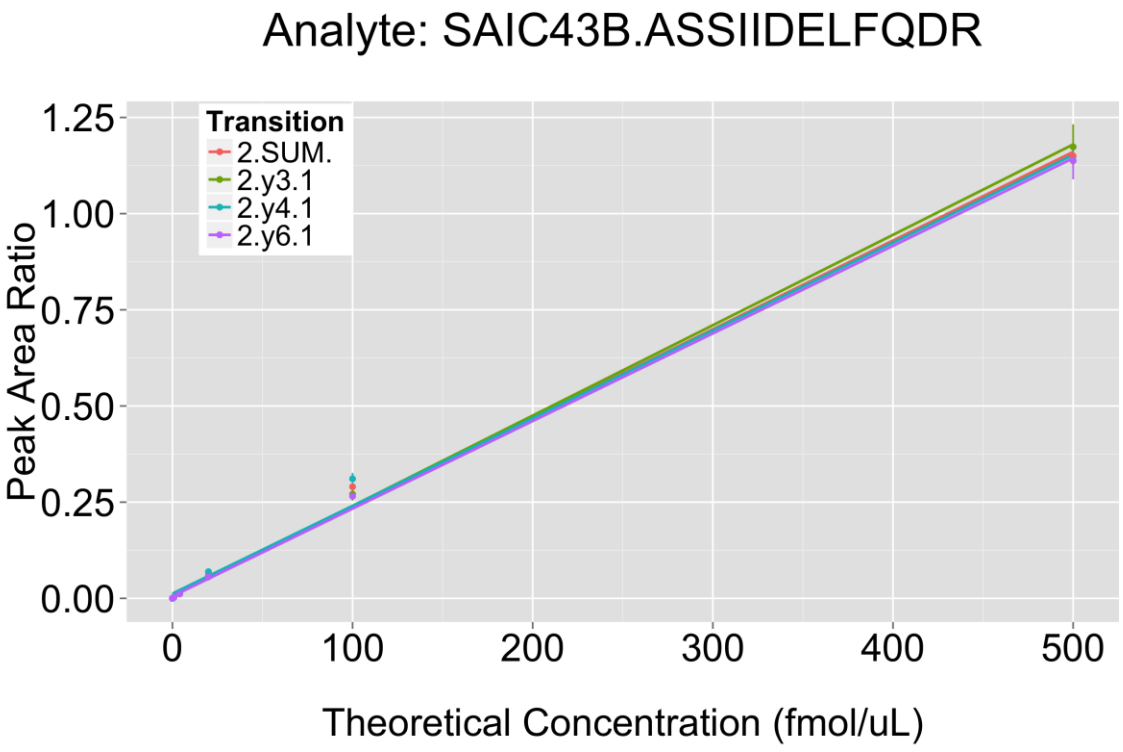


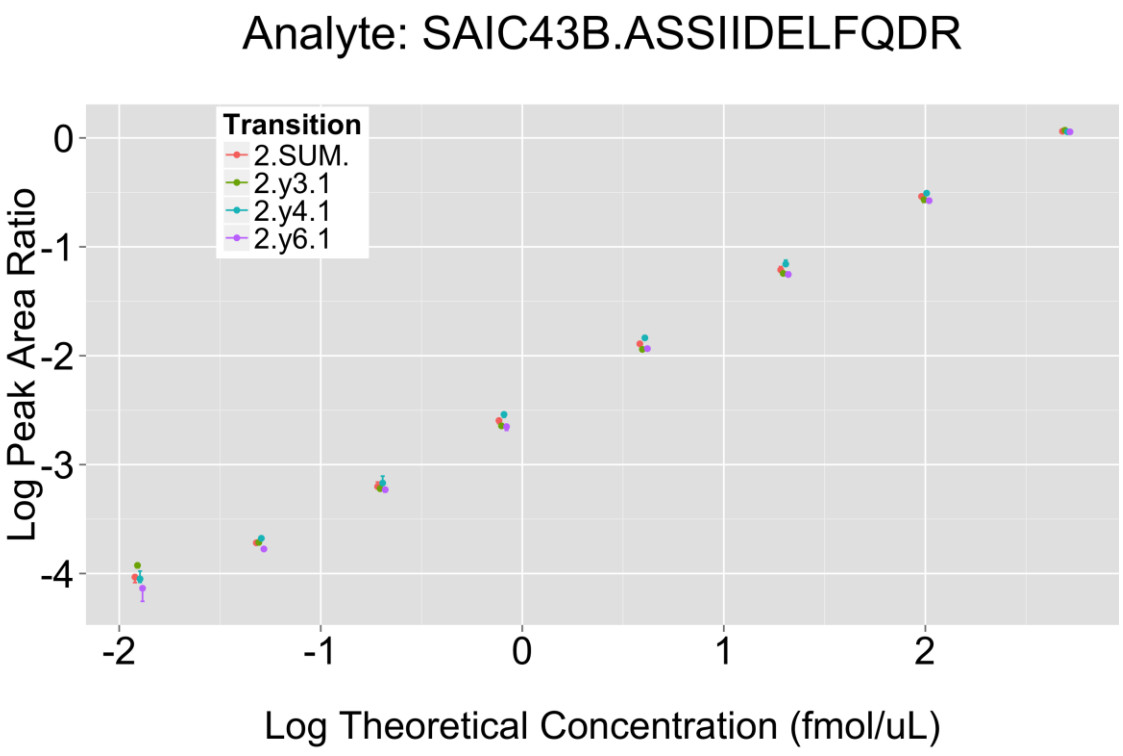
SAIC-42B, SERPINA6, AQLLQGLGFNLTER.

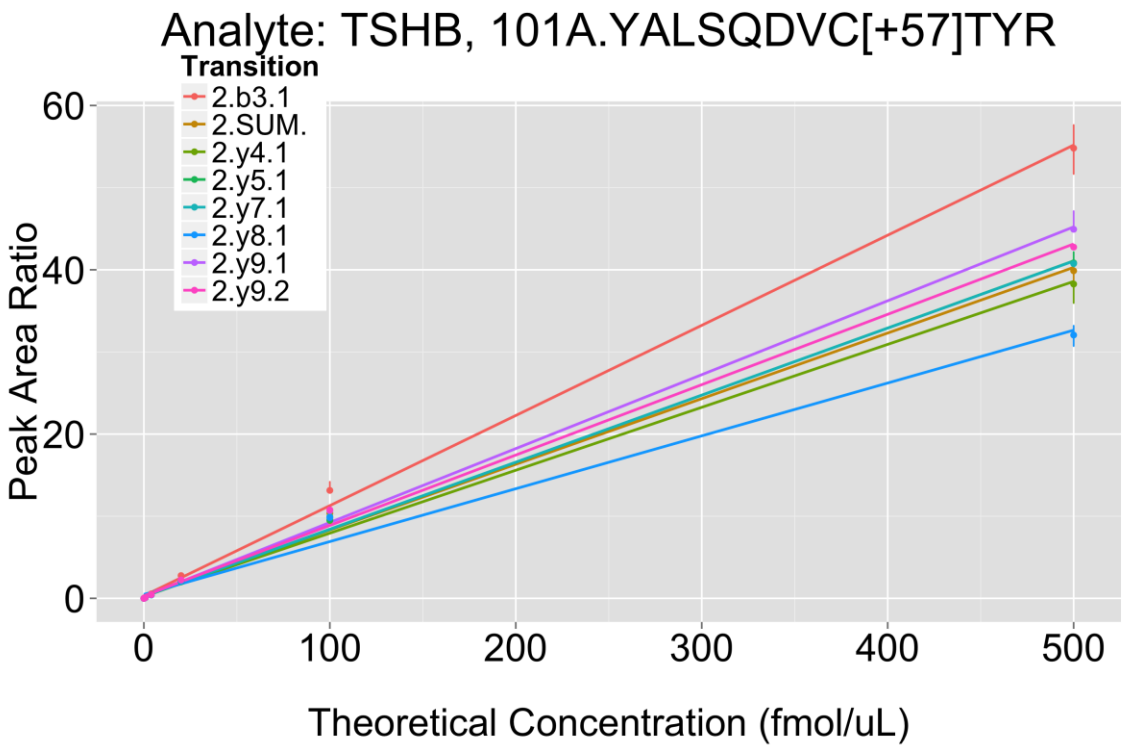


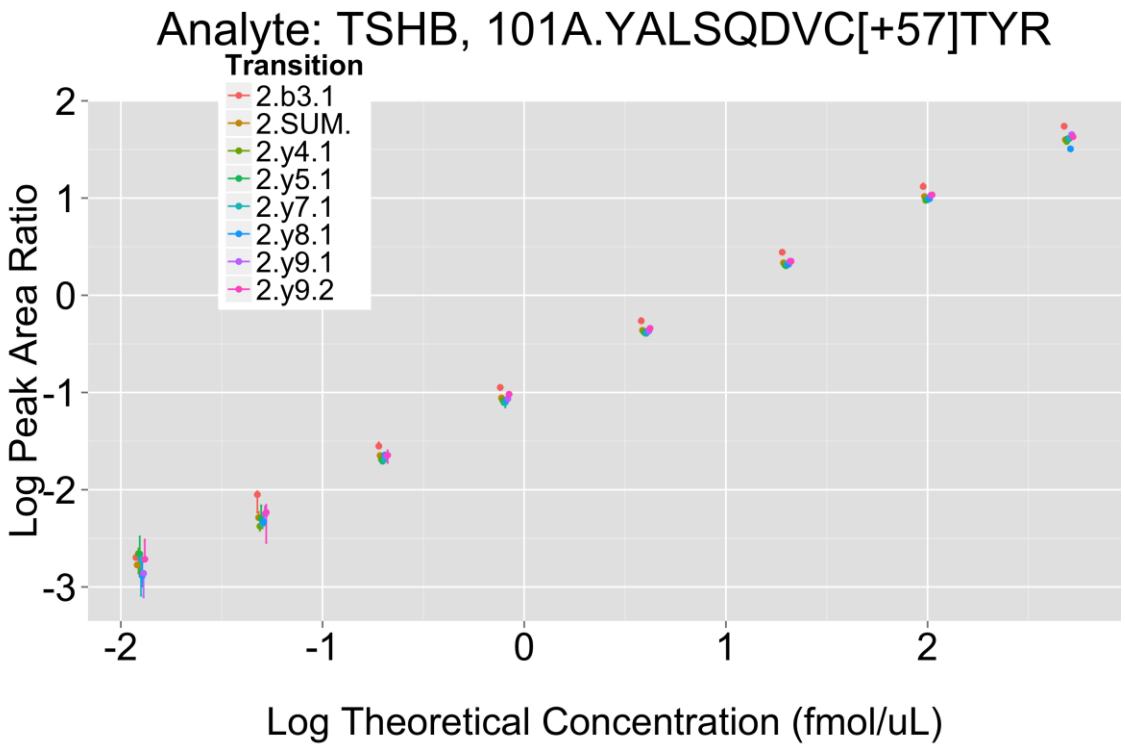


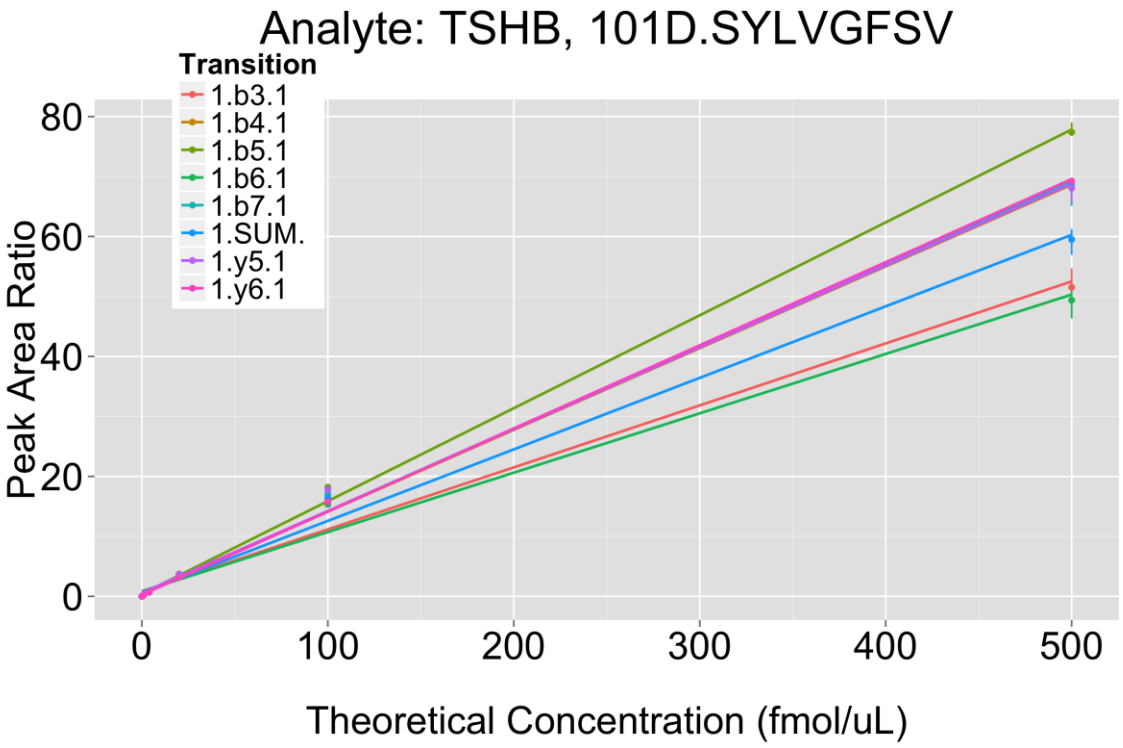
SAIC-43B, CLU, ASSIIDELFQDR.

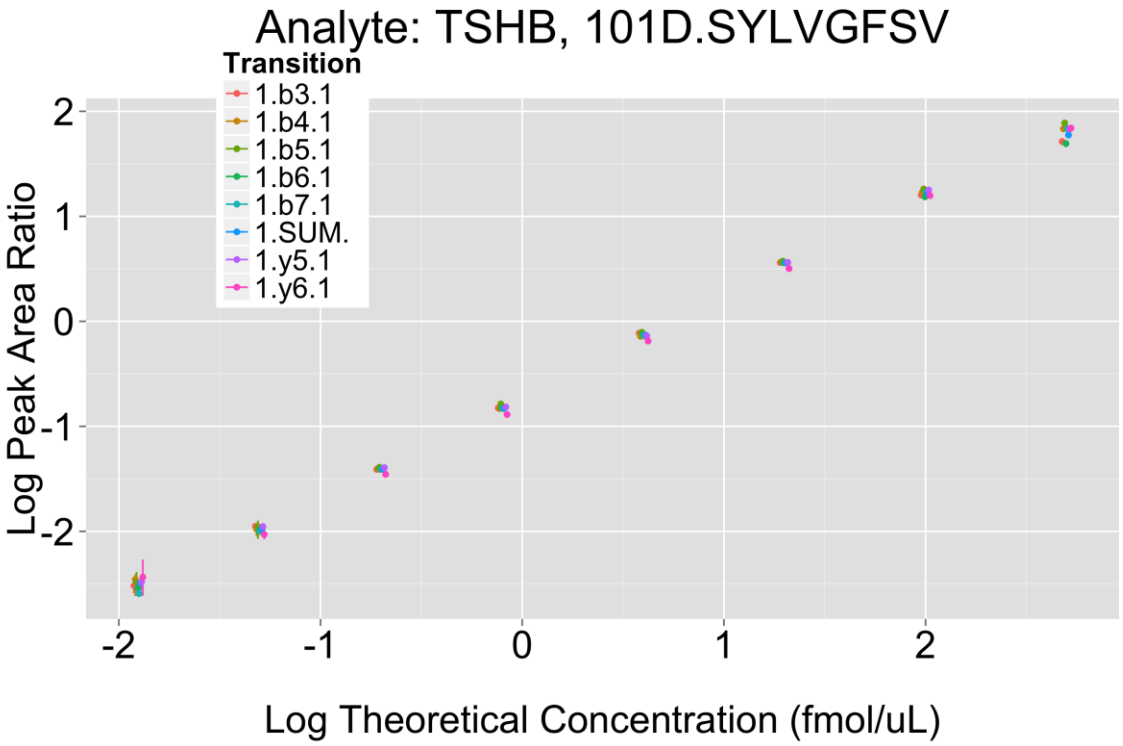


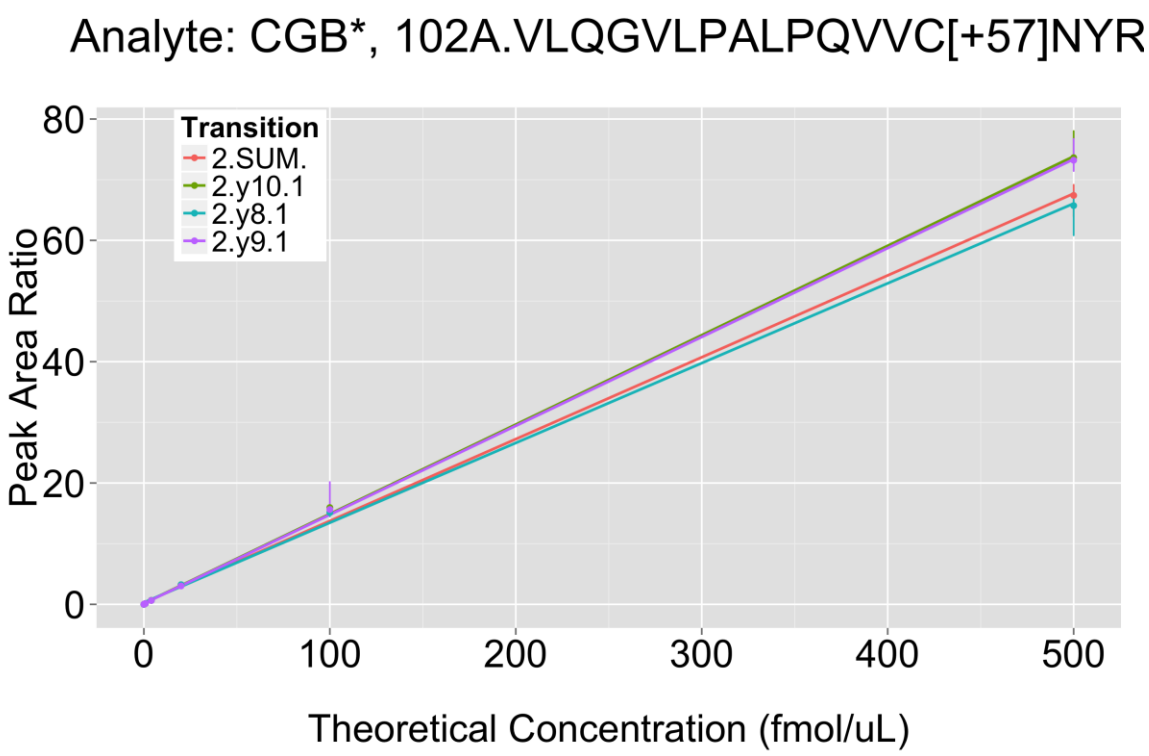


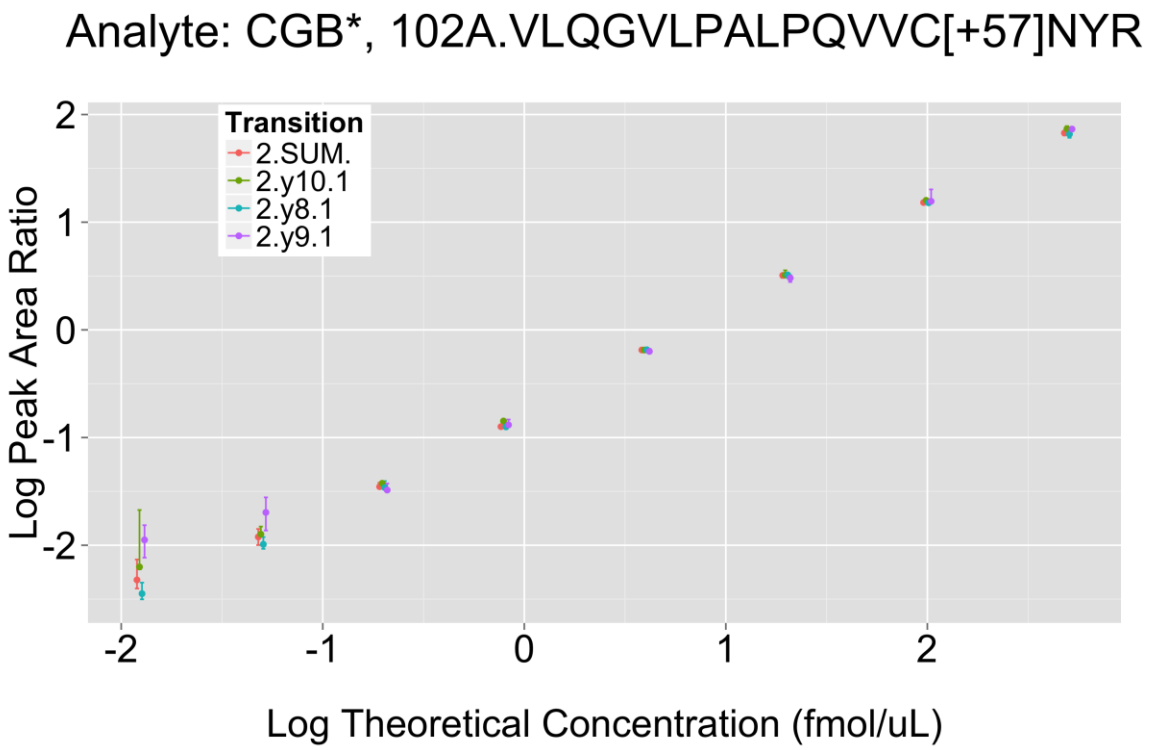

Analyte: TSHB, 101A.YALSQDVC[+57]TYR
Transition
2.b3.1
2.SUM.
2.y4.1
2.y5.1
2.y7.1
2.y8.1
2.y9.1
2.y9.2
Peak Area Ratio
0
20
40
60
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)

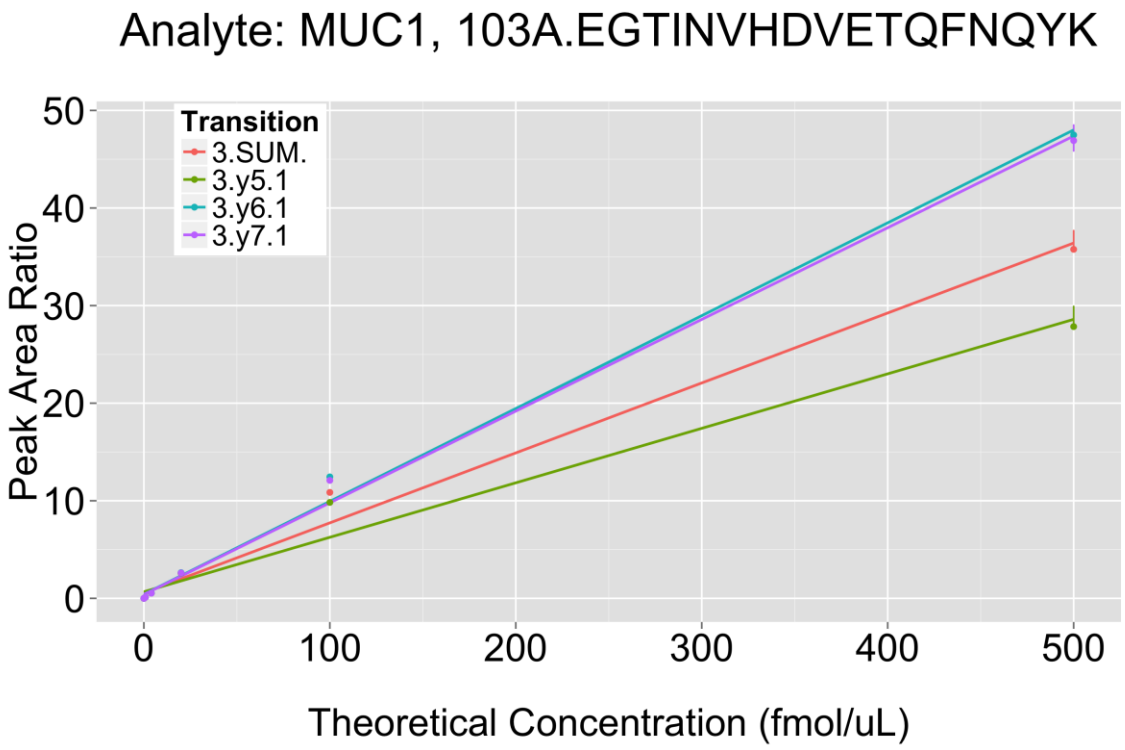

Analyte: TSHB, 101A.YALSQDVC[+57]TYR
Transition
2.b3.1
2.SUM.
2.y4.1
2.y5.1
2.y7.1
2.y8.1
2.y9.1
2.y9.2
Log Peak Area Ratio
-3
-2
-1
0
1
2
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)

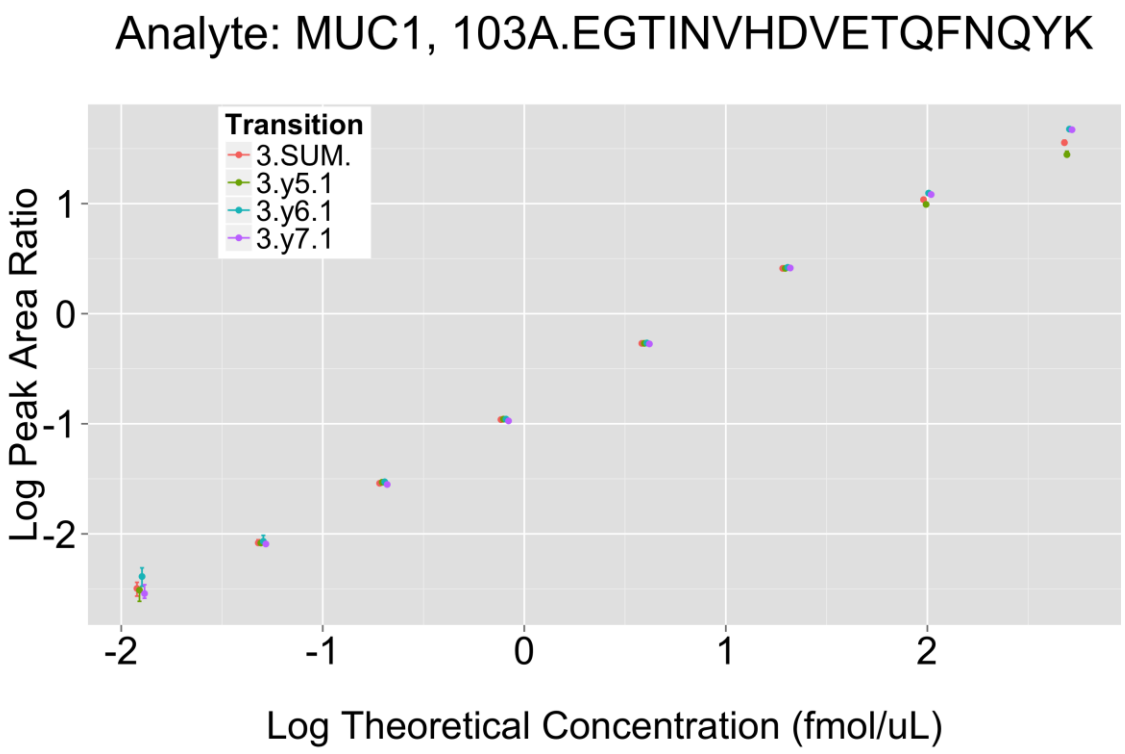

Analyte: TSHB, 101D.SYLVGFSV
Transition
1.b3.1
1.b4.1
1.b5.1
1.b6.1
1.b7.1
1.SUM.
1.y5.1
1.y6.1
Peak Area Ratio
0
20
40
60
80
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)

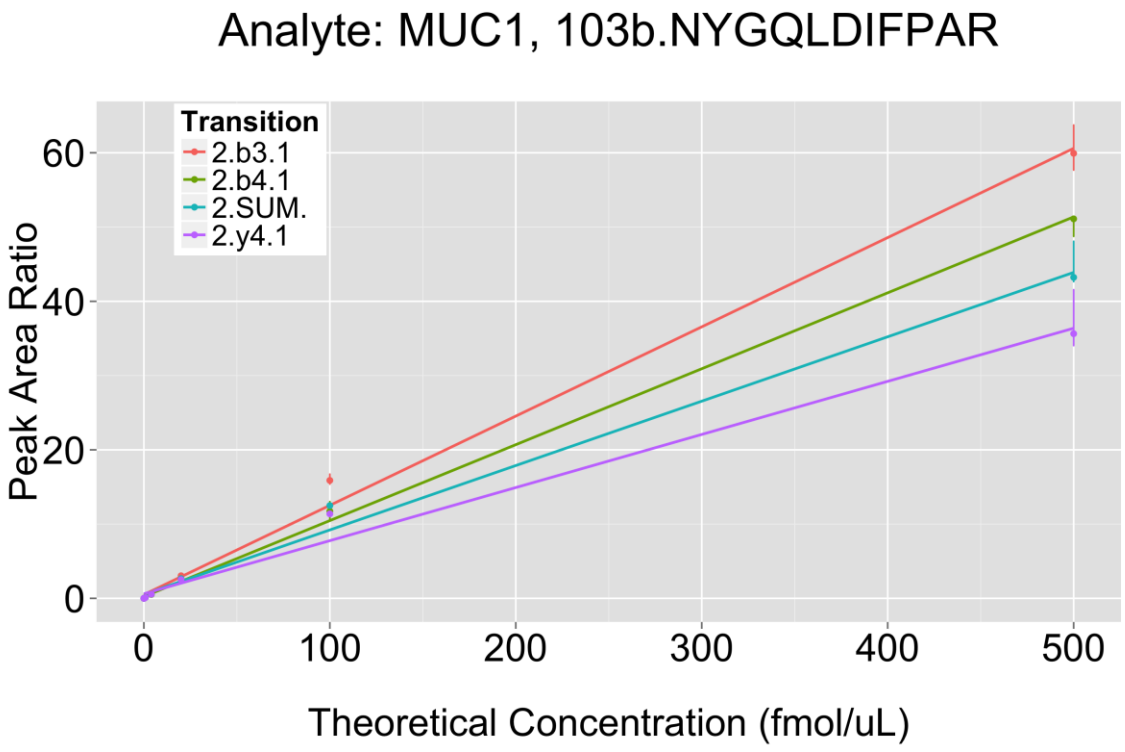

Analyte: TSHB, 101D.SYLVGFSV
Transition
1.b3.1
1.b4.1
1.b5.1
1.b6.1
1.b7.1
1.SUM.
1.y5.1
1.y6.1
Log Peak Area Ratio
-2
-1
0
1
2
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)

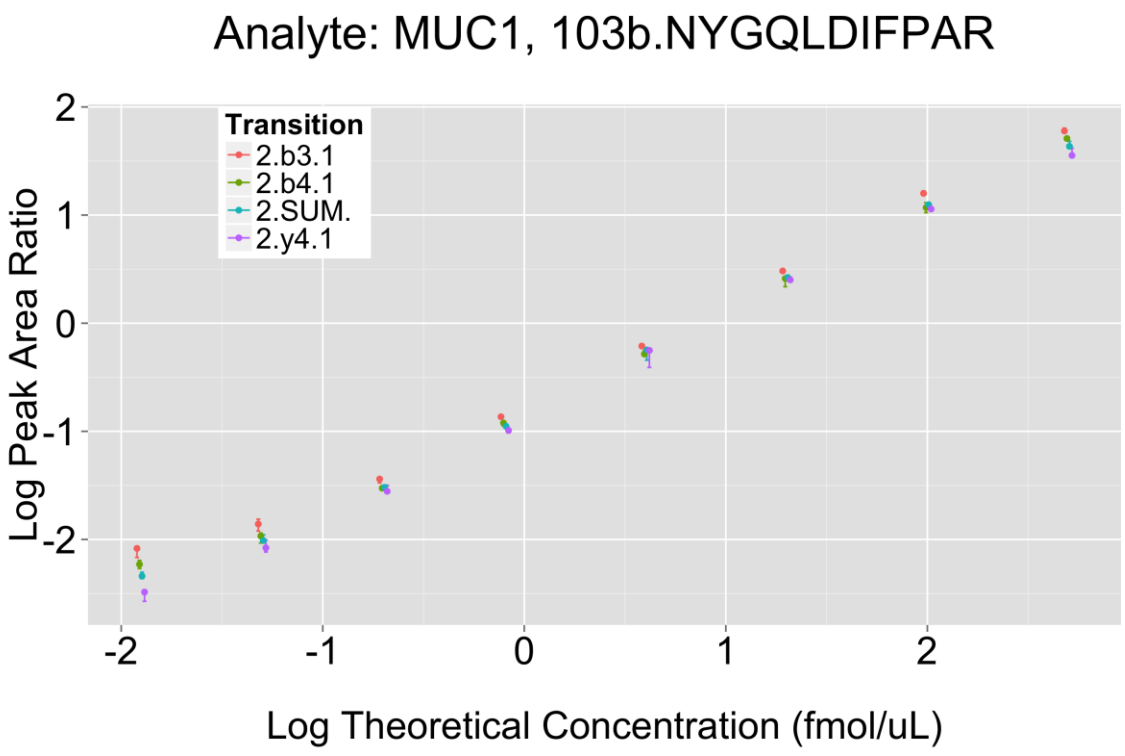

Analyte: CGB*, 102A.VLQGVLPALPQVVC[+57]NYR
Transition
2.SUM.
2.y10.1
2.y8.1
2.y9.1
Peak Area Ratio
0
20
40
60
80
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)


Analyte: CGB*, 102A.VLQGVLPALPQVVC[+57]NYR
Transition
2.SUM.
2.y10.1
2.y8.1
2.y9.1
Log Peak Area Ratio
-2
-1
0
1
2
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)


Analyte: MUC1, 103A.EGTINVHDVETQFNQYK
Transition
3.SUM.
3.y5.1
3.y6.1
3.y7.1
Peak Area Ratio
0
10
20
30
40
50
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)


Analyte: MUC1, 103A.EGTINVHDVETQFNQYK
Transition
3.SUM.
3.y5.1
3.y6.1
3.y7.1
Log Peak Area Ratio
-2
-1
0
1
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)


Analyte: MUC1, 103b.NYGQLDIFPAR
Transition
2.b3.1
2.b4.1
2.SUM.
2.y4.1
Peak Area Ratio
60
40
20
0
0
100
200
300
400
500
Theoretical Concentration (fmol/uL)


Analyte: MUC1, 103b.NYGQLDIFPAR
Transition
2.b3.1
2.b4.1
2.SUM.
2.y4.1
Log Peak Area Ratio
2
1
0
-1
-2
-2
-1
0
1
2
Log Theoretical Concentration (fmol/uL)