

9 Be [No Gas]

ISTD: 45 Sc

$$y = 1.903E-3 x + 7.566E-6$$

R 1.0000

DL 0.002121

BEC 0.003976

23 Na [He]

ISTD: 45 Sc

$$y = 7.852E0 x + 3.478E-1$$

R 1.0000

DL 0.003985

BEC 0.0443

24 Mg [He]

ISTD: 45 Sc

$$y = 3.280E0 x + 4.907E-3$$

R 1.0000

DL 0.0008205

BEC 0.001496

27 Al [He]

ISTD: 45 Sc

$$y = 3.626E-4 x + 1.012E-3$$

R 0.9957

DL 1.197

BEC 2.791

31 P [He]

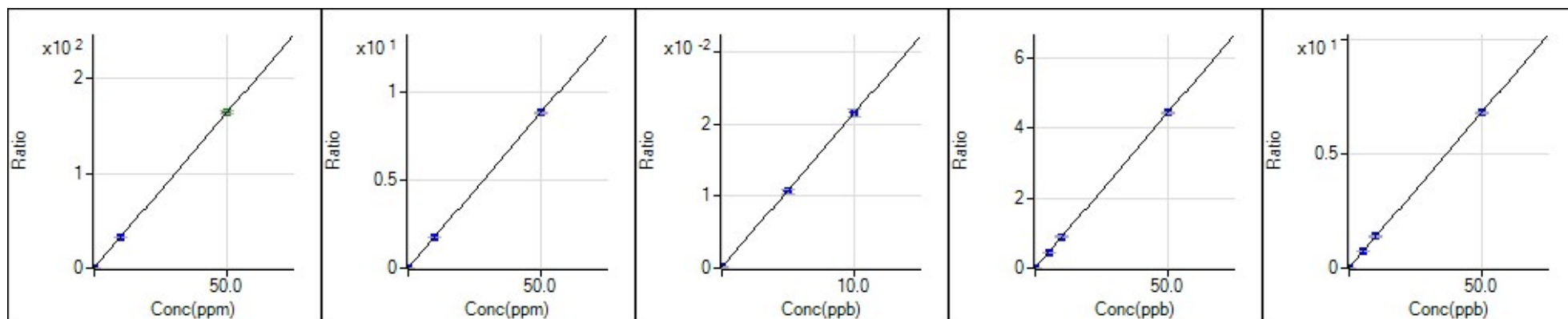
ISTD: 45 Sc

$$y = 5.440E-2 x + 1.812E-3$$

R 0.9998

DL 0.01034

BEC 0.03331



39 K [He]

ISTD: 45 Sc

$$y = 3.274E0 x + 3.792E-1$$

R 1.0000

DL 0.006145

BEC 0.1158

44 Ca [He]

ISTD: 45 Sc

$$y = 1.768E-1 x + 3.701E-3$$

R 1.0000

DL 0.003611

BEC 0.02094

47 Ti [He]

ISTD: 45 Sc

$$y = 2.134E-3 x + 1.285E-4$$

R 1.0000

DL 0.0803

BEC 0.06021

51 V [He]

ISTD: 45 Sc

$$y = 8.886E-2 x + 3.030E-4$$

R 1.0000

DL 0.006835

BEC 0.003409

52 Cr [He]

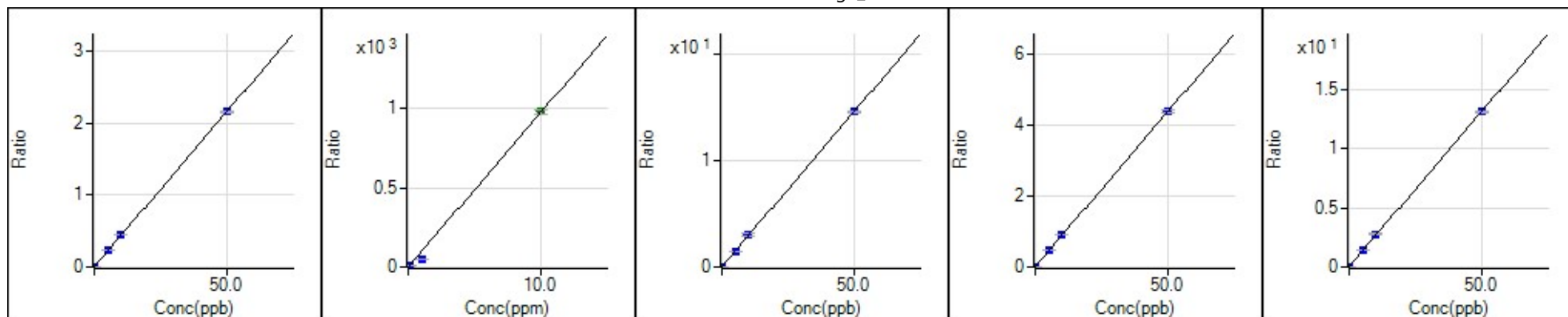
ISTD: 45 Sc

$$y = 1.356E-1 x + 1.397E-2$$

R 1.0000

DL 0.03834

BEC 0.103



55 Mn [He]

ISTD: 45 Sc

$$y = 4.325E-2 x + 2.696E-3$$

R 1.0000

DL 0.04479

BEC 0.06233

56 Fe [He]

ISTD: 45 Sc

$$y = 9.766E1 x + 1.412E-1$$

R 0.9988

DL 3.084E-05

BEC 0.001446

59 Co [He]

ISTD: 45 Sc

$$y = 2.925E-1 x + 2.537E-2$$

R 1.0000

DL 0.44

BEC 0.08674

60 Ni [He]

ISTD: 45 Sc

$$y = 8.748E-2 x + 7.732E-3$$

R 1.0000

DL 0.03112

BEC 0.08839

63 Cu [He]

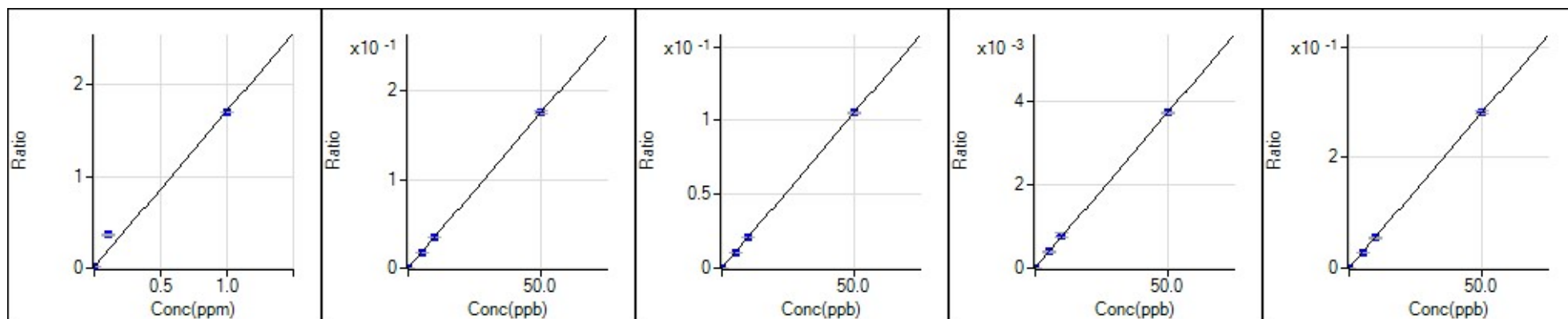
ISTD: 45 Sc

$$y = 2.618E-1 x + 3.231E-2$$

R 0.9999

DL 0.02875

BEC 0.1234



66 Zn [He]

ISTD: 89 Y

$$y = 1.702E0 x + 1.296E-2$$

R 0.9942

DL 0.0009462

BEC 0.007612

71 Ga [He]

ISTD: 89 Y

$$y = 3.510E-3 x + 4.641E-5$$

R 1.0000

DL 0.03435

BEC 0.01322

75 As [He]

ISTD: 89 Y

$$y = 2.105E-3 x + 3.583E-5$$

R 1.0000

DL 0.005685

BEC 0.01702

78 Se [He]

ISTD: 89 Y

$$y = 7.443E-5 x + 6.942E-6$$

R 1.0000

DL 0.1411

BEC 0.09326

85 Rb [He]

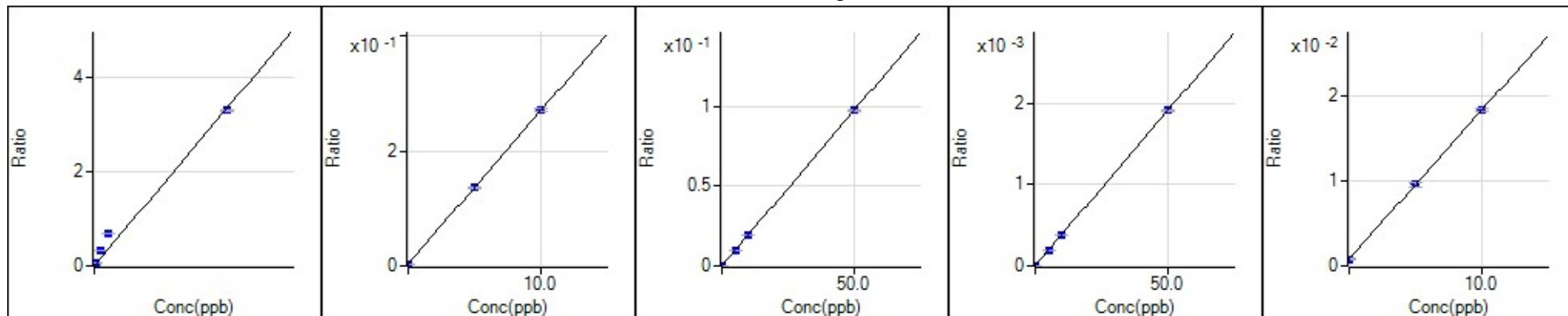
ISTD: 89 Y

$$y = 5.610E-3 x + 3.120E-4$$

R 1.0000

DL 0.04905

BEC 0.05562



88 Sr [He]

ISTD: 89 Y

$$y = 3.339E-3 x + 1.965E-3$$

R 0.9941

DL 0.0471

BEC 0.5885

90 Zr [He]

ISTD: 89 Y

$$y = 2.668E-2 x + 3.282E-3$$

R 1.0000

DL 0.01889

BEC 0.123

75 -> 91 As [O2]

ISTD: 89 -> 105 Y

$$y = 1.951E-3 x + 4.062E-5$$

R 1.0000

DL 0.003771

BEC 0.02082

78 -> 94 Se [O2]

ISTD: 89 -> 105 Y

$$y = 3.816E-5 x + 4.803E-6$$

R 1.0000

DL 0.08514

BEC 0.1259

95 Mo [He]

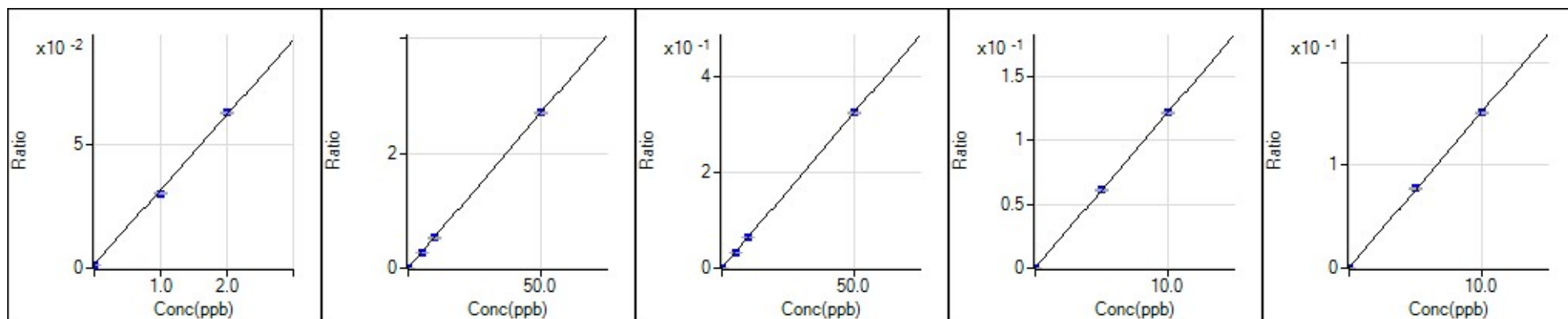
ISTD: 89 Y

$$y = 1.754E-3 x + 8.165E-4$$

R 1.0000

DL 0.1182

BEC 0.4656



105 Pd [He]

ISTD: 89 Y

$$y = 3.010E-2 x + 1.510E-3$$

R 0.9991

DL 0.007312

BEC 0.05016

107 Ag [He]

ISTD: 89 Y

$$y = 5.415E-2 x + 6.548E-4$$

R 1.0000

DL 0.006478

BEC 0.01209

111 Cd [He]

ISTD: 89 Y

$$y = 6.493E-3 x + 1.037E-5$$

R 1.0000

DL 0.003168

BEC 0.001597

118 Sn [He]

ISTD: 89 Y

$$y = 1.218E-2 x + 1.003E-4$$

R 1.0000

DL 0.007261

BEC 0.008234

121 Sb [He]

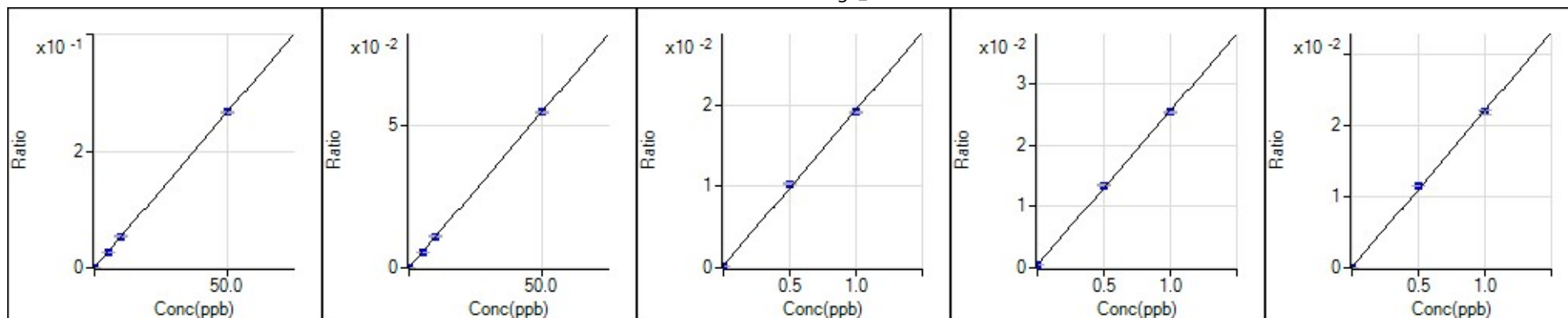
ISTD: 89 Y

$$y = 1.516E-2 x + 3.546E-4$$

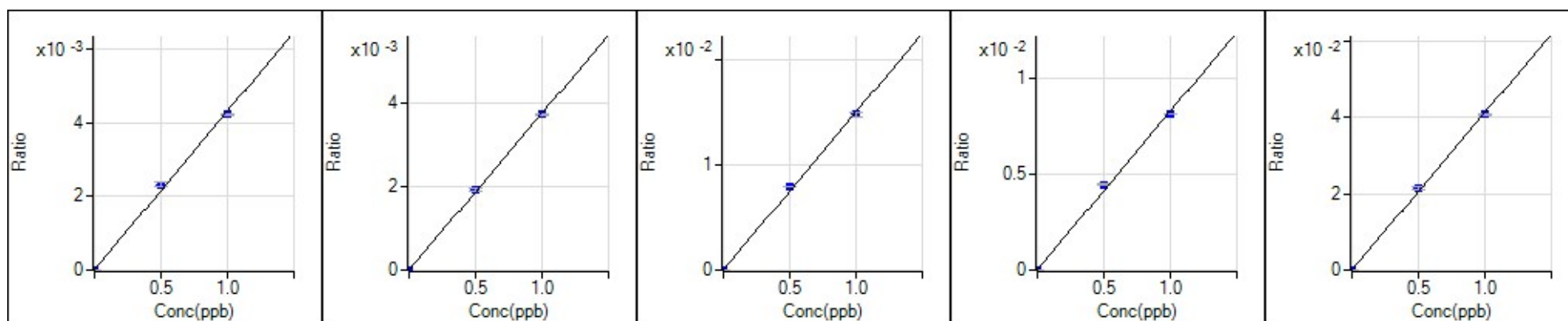
R 0.9999

DL 0.01288

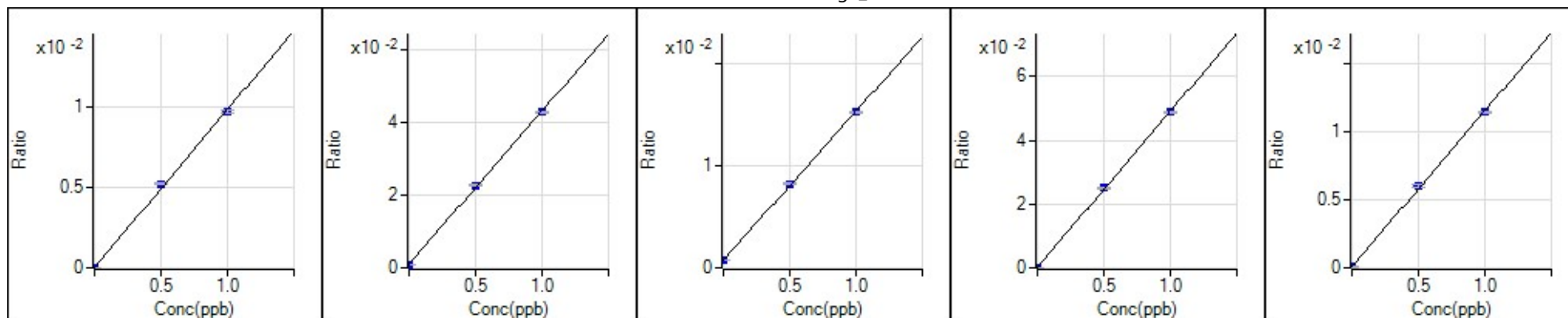
BEC 0.0234



133 Cs [He]	137 Ba [He]	139 La [He]	140 Ce [He]	141 Pr [He]
ISTD: 175 Lu	ISTD: 175 Lu	ISTD: 175 Lu	ISTD: 175 Lu	ISTD: 175 Lu
$y = 5.351E-3x + 4.032E-5$	$y = 1.098E-3x + 1.597E-5$	$y = 1.913E-2x + 2.496E-4$	$y = 2.518E-2x + 4.578E-4$	$y = 2.202E-2x + 2.815E-5$
R 1.0000	R 1.0000	R 0.9993	R 0.9997	R 0.9996
DL 0.005469	DL 0.02366	DL 0.004986	DL 0.004723	DL 0.001025
BEC 0.007535	BEC 0.01455	BEC 0.01305	BEC 0.01818	BEC 0.001278



146 Nd [He]	147 Sm [He]	153 Eu [He]	157 Gd [He]	159 Tb [He]
ISTD: 175 Lu	ISTD: 175 Lu	ISTD: 175 Lu	ISTD: 175 Lu	ISTD: 175 Lu
$y = 4.310E-3x + 6.569E-6$	$y = 3.740E-3x$	$y = 1.501E-2x + 8.437E-6$	$y = 8.280E-3x + 1.126E-5$	$y = 4.124E-2x + 1.969E-5$
R 0.9983	R 0.9998	R 0.9991	R 0.9984	R 0.9995
DL 0.001134	DL 0	DL 0.0005568	DL 0.002048	DL 0.000351
BEC 0.001524	BEC 0	BEC 0.0005622	BEC 0.00136	BEC 0.0004775



163 Dy [He]

ISTD: 175 Lu

$$y = 9.799\text{E-}3 x + 5.609\text{E-}6$$

R 0.9990

DL 0.00227

BEC 0.0005724

165 Ho [He]

ISTD: 175 Lu

$$y = 4.221\text{E-}2 x + 1.027\text{E-}3$$

R 0.9998

DL 0.003011

BEC 0.02434

166 Er [He]

ISTD: 175 Lu

$$y = 1.462\text{E-}2 x + 7.522\text{E-}4$$

R 0.9999

DL 0.01275

BEC 0.05146

169 Tm [He]

ISTD: 175 Lu

$$y = 4.901\text{E-}2 x + 1.238\text{E-}4$$

R 0.9999

DL 0.001196

BEC 0.002526

172 Yb [He]

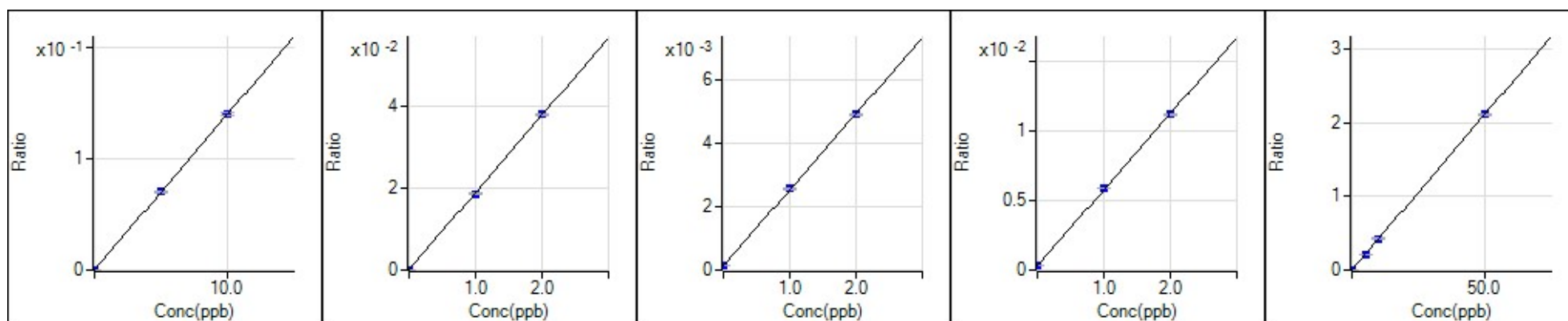
ISTD: 175 Lu

$$y = 1.148\text{E-}2 x + 6.382\text{E-}5$$

R 0.9997

DL 0.004725

BEC 0.005557



178 Hf [He]

ISTD: 175 Lu

$$y = 1.395\text{E-}2 x + 1.135\text{E-}4$$

R 1.0000

DL 0.005351

BEC 0.008141

195 Pt [He]

ISTD: 175 Lu

$$y = 1.882\text{E-}2 x + 1.030\text{E-}4$$

R 0.9999

DL 0.001916

BEC 0.005473

201 Hg [He]

ISTD: 175 Lu

$$y = 2.392\text{E-}3 x + 1.314\text{E-}4$$

R 0.9999

DL 0.01189

BEC 0.05493

202 Hg [He]

ISTD: 175 Lu

$$y = 5.492\text{E-}3 x + 3.021\text{E-}4$$

R 0.9999

DL 0.01373

BEC 0.05501

205 Tl [He]

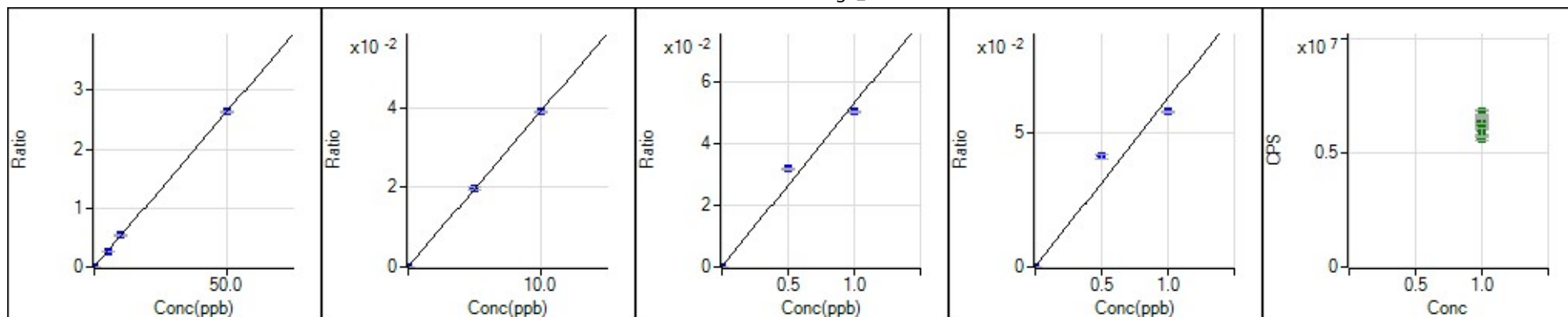
ISTD: 175 Lu

$$y = 4.237\text{E-}2 x + 1.232\text{E-}4$$

R 1.0000

DL 0.0007525

BEC 0.002908



208 Pb [He]

ISTD: 175 Lu

 $y = 5.275E-2 x + 1.174E-3$

R 1.0000

DL 0.003969

BEC 0.02227

209 Bi [He]

ISTD: 175 Lu

 $y = 3.911E-3 x + 4.783E-5$

R 1.0000

DL 0.007456

BEC 0.01223

232 Th [He]

ISTD: 175 Lu

 $y = 5.299E-2 x + 6.187E-5$

R 0.9888

DL 0.0008135

BEC 0.001168

238 U [He]

ISTD: 175 Lu

 $y = 6.295E-2 x + 4.595E-5$

R 0.9715

DL 0.0004065

BEC 0.0007299

45 Sc [No Gas]

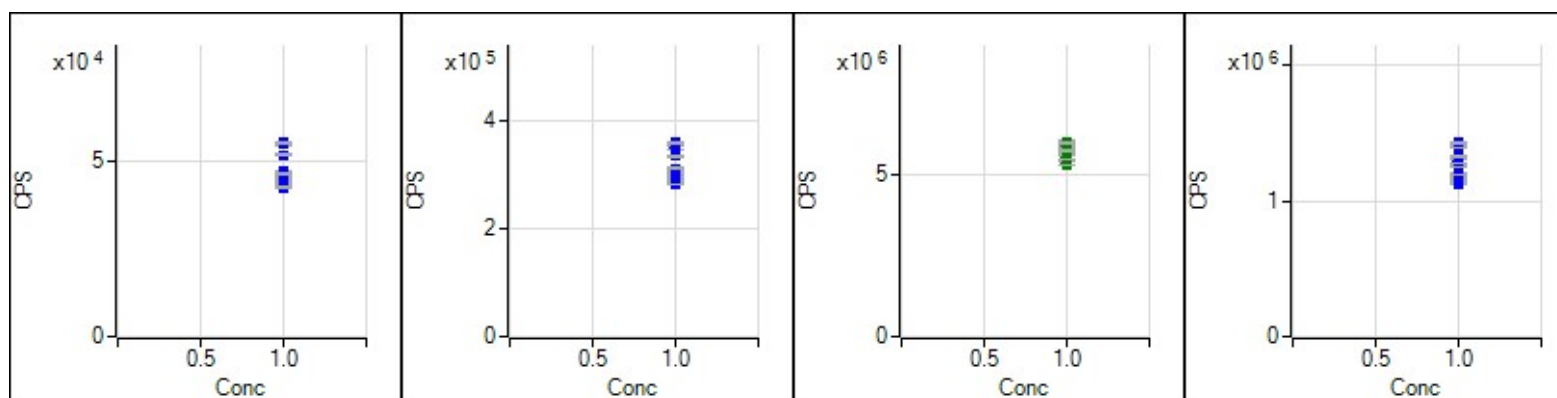
ISTD: ---

Excluded

R

DL

BEC



45 Sc [He]

ISTD: ---

Excluded

R

DL

BEC

89 Y [He]

ISTD: ---

Excluded

R

DL

BEC

89 -> 105 Y [O2]

ISTD: ---

Excluded

R

DL

BEC

175 Lu [He]

ISTD: ---

Excluded

R

DL

BEC