

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN070924.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 09 02:39:48 2024
 Response Via : Initial Calibration

Calibration Files

0.1 =BN032557.D 0.2 =BN032558.D 0.4 =BN032559.D 0.8 =BN032560.D 1.6 =BN032561.D 3.2 =BN032562.D 5.0 =BN032563.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.678	0.602	0.512	0.490	0.494	0.470	0.441	0.527	15.82
3)	n-Nitrosodimet...	0.394	0.369	0.362	0.373	0.391	0.398	0.389	0.382	3.70
4) S	2-Fluorophenol	0.994	1.022	0.940	0.983	1.031	1.065	1.041	1.011	4.15
5) S	Phenol-d6	1.136	1.282	1.202	1.289	1.406	1.372	1.359	1.292	7.52
6)	bis(2-Chloroet...	0.486	0.630	0.814	1.004	1.064	1.105	1.110	0.887	28.15
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.325	0.284	0.253	0.272	0.316	0.321	0.318	0.299	9.53
9)	Naphthalene	1.066	1.090	1.052	1.065	1.149	1.124	1.103	1.093	3.22
10)	Hexachlorobuta...	0.240	0.231	0.214	0.207	0.215	0.211	0.205	0.218	5.93
11) SURR	2-Methylnaphth...	0.605	0.635	0.617	0.628	0.673	0.636	0.631	0.632	3.31
12)	2-Methylnaphth...	0.698	0.727	0.709	0.721	0.788	0.742	0.735	0.731	3.98
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.150	0.162	0.157	0.176	0.205	0.206	0.213	0.181	14.53
15) S	2-Fluorobiphenyl	1.246	1.374	1.333	1.480	1.632	1.636	1.615	1.474	10.83
16)	Acenaphthylene	1.502	1.607	1.507	1.673	1.914	1.926	1.929	1.723	11.40
17)	Acenaphthene	1.125	1.181	1.114	1.188	1.293	1.252	1.228	1.197	5.44
18)	Fluorene	1.445	1.559	1.473	1.565	1.704	1.631	1.602	1.569	5.70
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.021	0.026	0.044	0.063	0.075	0.087	0.053		50.64
21)	4-Bromophenyl-...	0.232	0.236	0.227	0.226	0.249	0.244	0.249	0.238	4.20
22)	Hexachlorobenzene	0.259	0.260	0.248	0.254	0.274	0.267	0.267	0.261	3.31
23)	Atrazine	0.177	0.183	0.171	0.173	0.199	0.202	0.193	0.185	6.73
24)	Pentachlorophenol	0.067	0.071	0.081	0.105	0.114		0.088		24.13
25)	Phenanthrene	1.030	1.037	1.011	1.073	1.168	1.154	1.133	1.087	5.92
26)	Anthracene	0.647	0.711	0.800	0.861	1.020	1.028	1.050	0.874	18.64
27) SURR	Fluoranthene-d10	0.995	1.020	0.984	0.994	1.089	1.113	1.103	1.042	5.43
28)	Fluoranthene	1.277	1.310	1.225	1.232	1.376	1.397	1.371	1.313	5.38
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.617	1.646	1.556	1.639	1.791	1.572	1.570	1.627	4.94
31) S	Terphenyl-d14	0.989	0.981	0.906	0.973	1.068	0.961	0.959	0.977	4.96
32)	Benzo(a)anthra...	1.117	1.265	1.249	1.286	1.424	1.449	1.471	1.323	9.77
33)	Chrysene	1.733	1.663	1.486	1.545	1.605	1.508	1.458	1.571	6.38
34)	Bis(2-ethylhex...	1.005	0.920	0.776	0.821	0.852	0.960	0.959	0.899	9.36
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

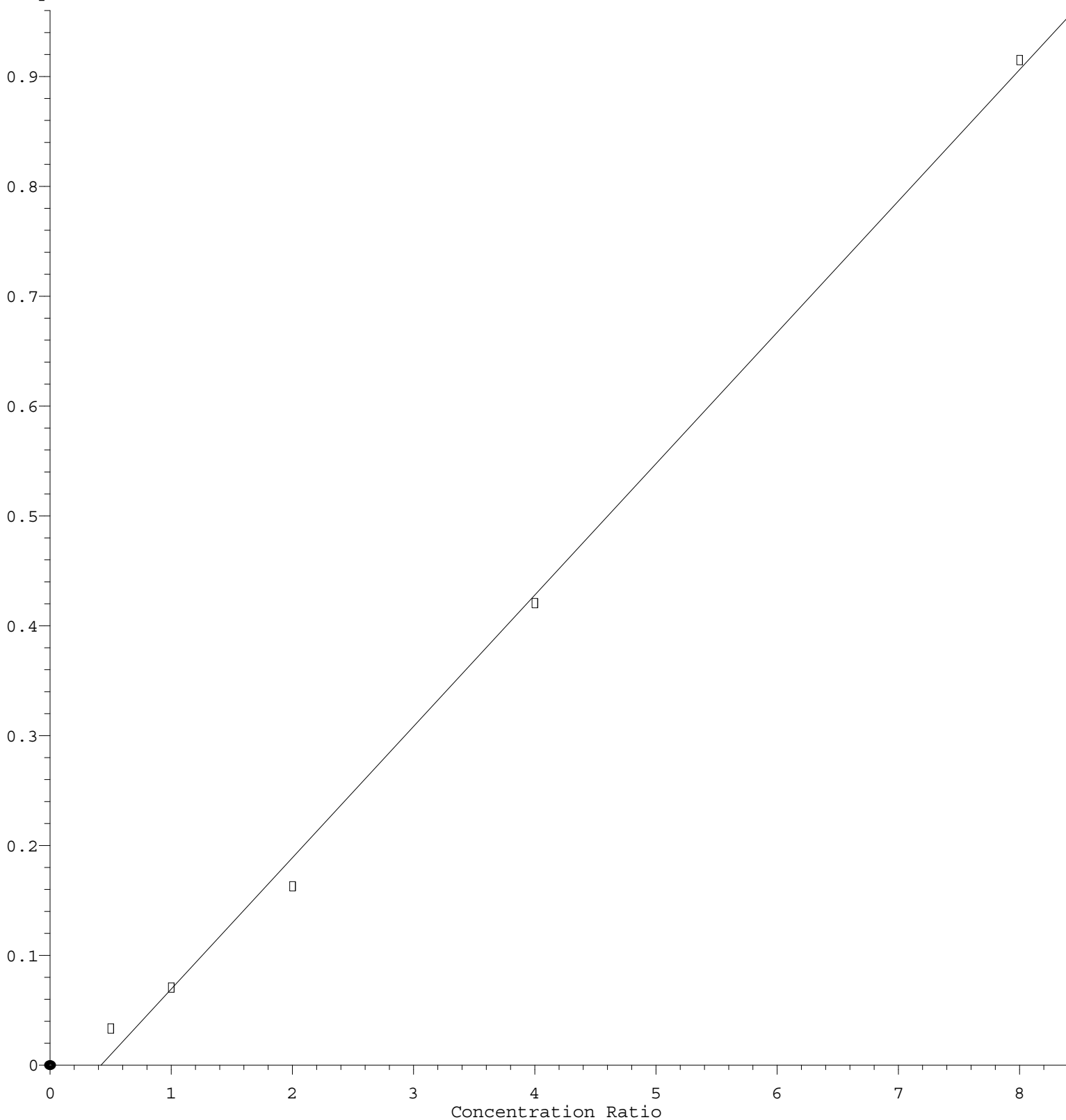
Method File : 8270-SIM-BN070924.M

36)	Indeno(1,2,3-c...	1.418	1.427	1.352	1.501	1.611	1.719	1.670	1.528	9.17
37)	Benzo(b)fluora...	1.228	1.277	1.215	1.277	1.446	1.469	1.420	1.333	8.12
38)	Benzo(k)fluora...	1.482	1.639	1.509	1.521	1.593	1.506	1.500	1.536	3.75
39) C	Benzo(a)pyrene	1.275	1.259	1.188	1.217	1.316	1.301	1.278	1.262	3.60
40)	Dibenzo(a,h)an...	1.127	1.122	1.058	1.190	1.281	1.373	1.339	1.213	9.88
41)	Benzo(g,h,i)pe...	1.259	1.254	1.177	1.296	1.372	1.465	1.422	1.321	7.77

(#) = Out of Range

Pentachlorophenol

Response Ratio



$$\text{Response} = 1.196\text{e-}001 * \text{Amt} - 5.019\text{e-}002$$

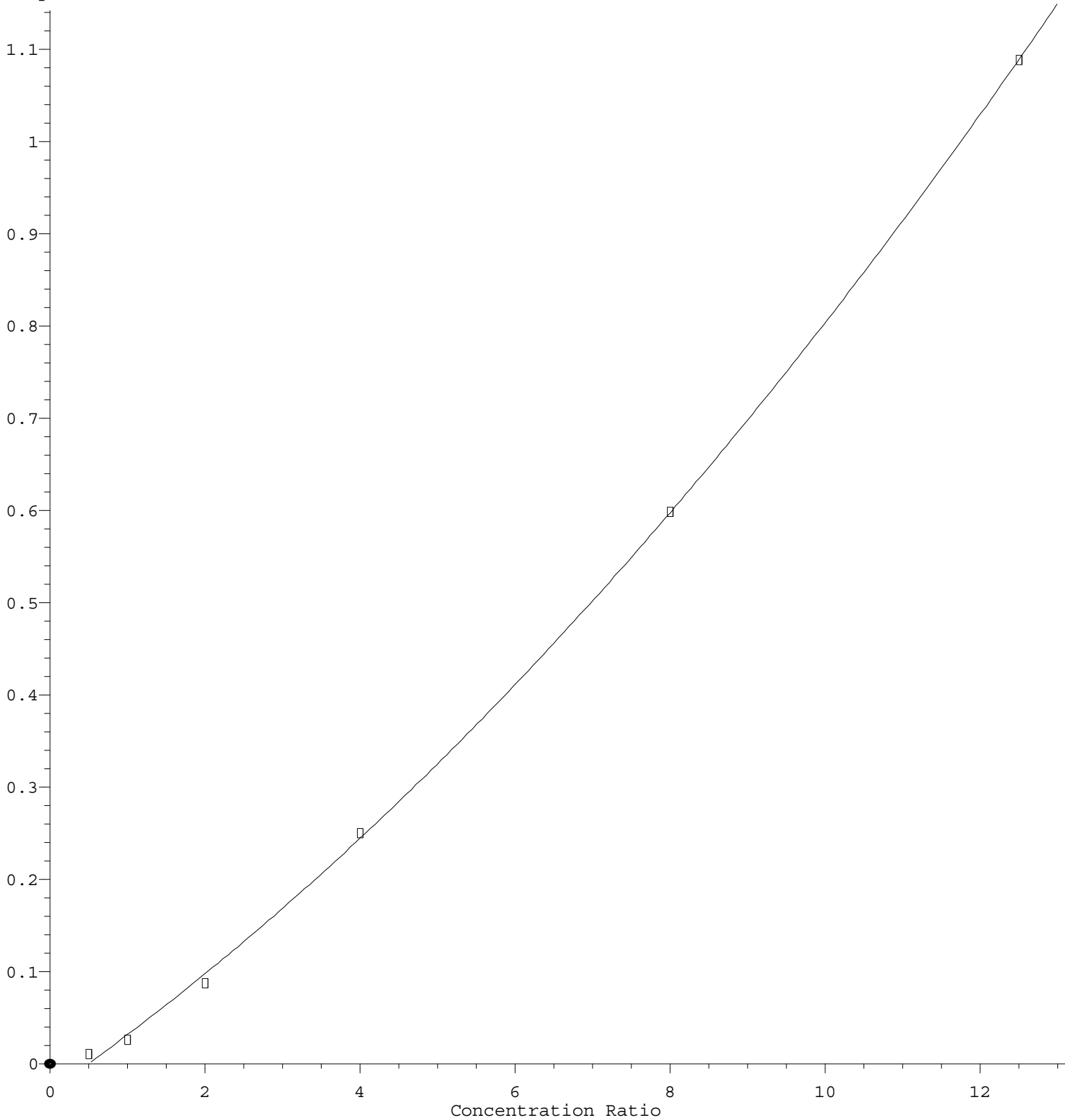
Coef of Det (r^2) = 0.997412 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN070924.M

Calibration Table Last Updated: Tue Jul 09 02:39:48 2024

4,6-Dinitro-2-methylphenol

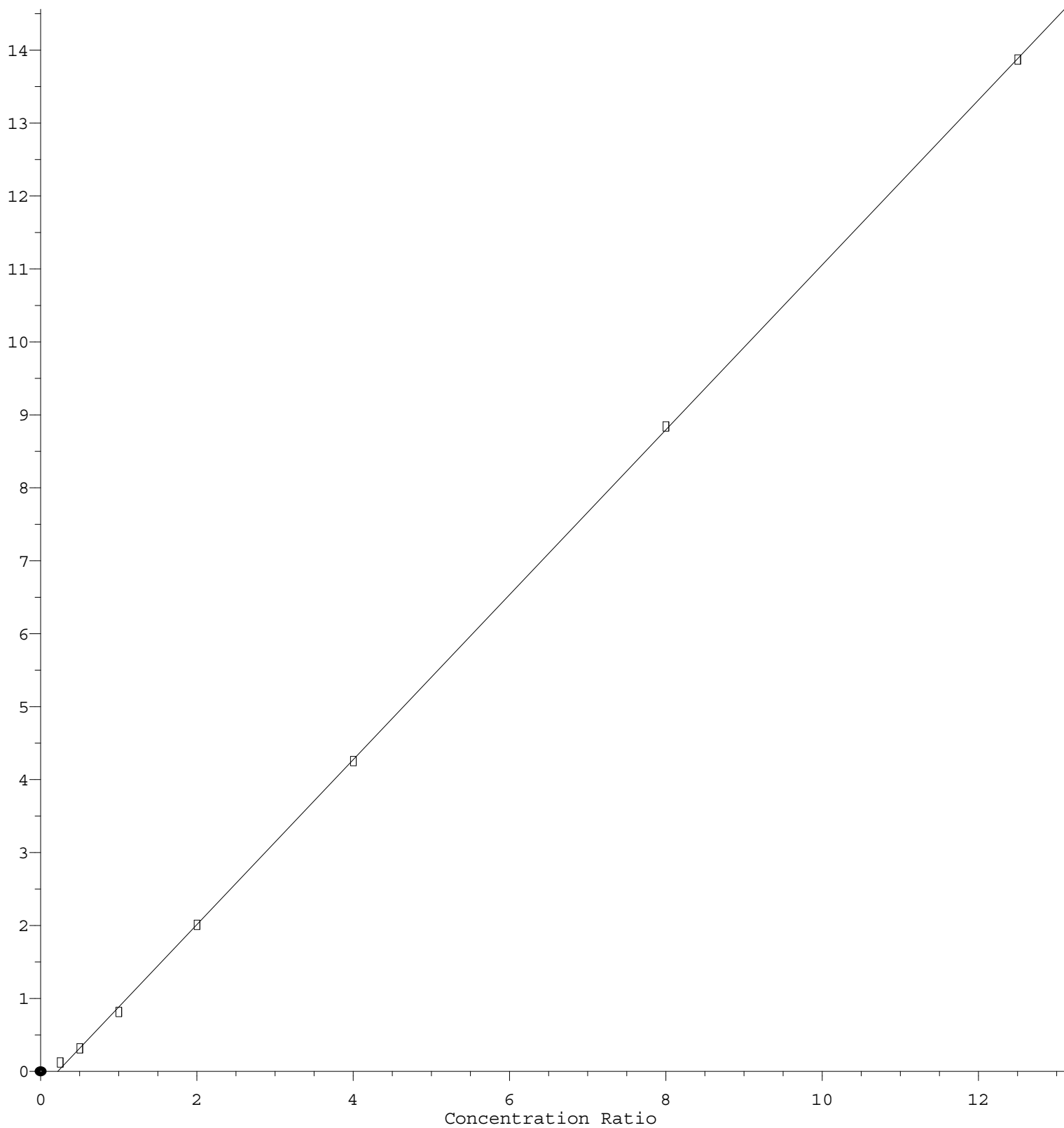
Response Ratio



$R = 2.467e-003 A^2 + 5.864e-002 A - 2.945e-002$
 Coef of Det (r^2) = 0.999697 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN070924.M
 Calibration Table Last Updated: Tue Jul 09 02:39:48 2024

bis(2-Chloroethyl) ether

Response Ratio



$$\text{Response} = 1.130\text{e}+000 * \text{Amt} - 2.435\text{e}-001$$

Coef of Det (r^2) = 0.999910 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN070924.M

Calibration Table Last Updated: Tue Jul 09 02:39:48 2024