

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN030823.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 08 03:54:47 2023
 Response Via : Initial Calibration

Calibration Files

0.1 =BN024147.D 0.2 =BN024148.D 0.4 =BN024149.D 0.8 =BN024150.D 1.6 =BN024151.D 3.2 =BN024152.D 5.0 =BN024153.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	0.399	0.398	0.412	0.402	0.461	0.378	0.355	0.401	8.14
3)	n-Nitrosodimet...	0.526	0.530	0.548	0.543	0.649	0.541	0.512	0.550	8.25
4) S	2-Fluorophenol	0.850	0.793	0.824	0.800	0.966	0.829	0.798	0.837	7.19
5) S	Phenol-d6	1.050	1.041	1.061	1.034	1.267	1.098	1.066	1.088	7.51
6)	bis(2-Chloroet...	1.097	1.073	1.111	1.065	1.253	1.042	0.982	1.089	7.68
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.172	0.168	0.169	0.164	0.209	0.194	0.208	0.183	10.76
9)	Naphthalene	0.988	0.977	0.998	0.964	1.157	0.993	0.979	1.008	6.61
10)	Hexachlorobuta...	0.196	0.198	0.202	0.194	0.228	0.193	0.188	0.200	6.67
11) SURR	2-Methylnaphth...	0.552	0.477	0.605	0.666	0.799	0.677	0.690	0.638	16.34
12)	2-Methylnaphth...	0.011	0.007	0.004	0.003	0.003	0.003	0.003	0.005	63.66
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.138	0.137	0.148	0.148	0.201	0.190	0.198	0.166	17.60
15) S	2-Fluorobiphenyl	1.593	1.536	1.588	1.521	1.803	1.539	1.476	1.579	6.74
16)	Acenaphthylene	1.656	1.618	1.699	1.680	2.120	1.918	1.916	1.801	10.33
17)	Acenaphthene	1.117	1.078	1.134	1.107	1.359	1.195	1.181	1.167	8.03
18)	Fluorene	1.307	1.269	1.349	1.347	1.658	1.460	1.411	1.400	9.30
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.025	0.027	0.030	0.043	0.044		0.034		26.87
21)	4-Bromophenyl-...	0.212	0.200	0.202	0.203	0.251	0.219	0.220	0.215	8.22
22)	Hexachlorobenzene	0.312	0.301	0.311	0.300	0.359	0.304	0.295	0.312	6.95
23)	Atrazine	0.102	0.096	0.099	0.105	0.150	0.144		0.116	21.12
24)	Pentachlorophenol		0.076	0.090	0.104	0.154	0.150		0.115	30.81
25)	Phenanthrene	1.130	1.108	1.138	1.125	1.380	1.194	1.199	1.182	7.93
26)	Anthracene	0.921	0.903	0.950	0.969	1.264	1.122	1.154	1.040	13.36
27) SURR	Fluoranthene-d10	0.729	0.729	0.763	0.767	0.963	0.854	0.863	0.810	10.75
28)	Fluoranthene	1.107	1.120	1.190	1.205	1.527	1.341	1.331	1.260	11.85
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.657	1.656	1.759	1.710	2.004	1.688	1.660	1.733	7.20
31) S	Terphenyl-d14	0.699	0.693	0.700	0.684	0.806	0.690	0.679	0.707	6.26
32)	Benzo(a)anthra...	1.185	1.162	1.181	1.137	1.449	1.270	1.280	1.238	8.69
33)	Chrysene	1.434	1.356	1.409	1.344	1.599	1.354	1.359	1.408	6.44
34)	Bis(2-ethylhex...	0.485	0.460	0.463	0.438	0.547	0.498	0.543	0.491	8.53
35) I	Perylene-d12	-----ISTD-----								

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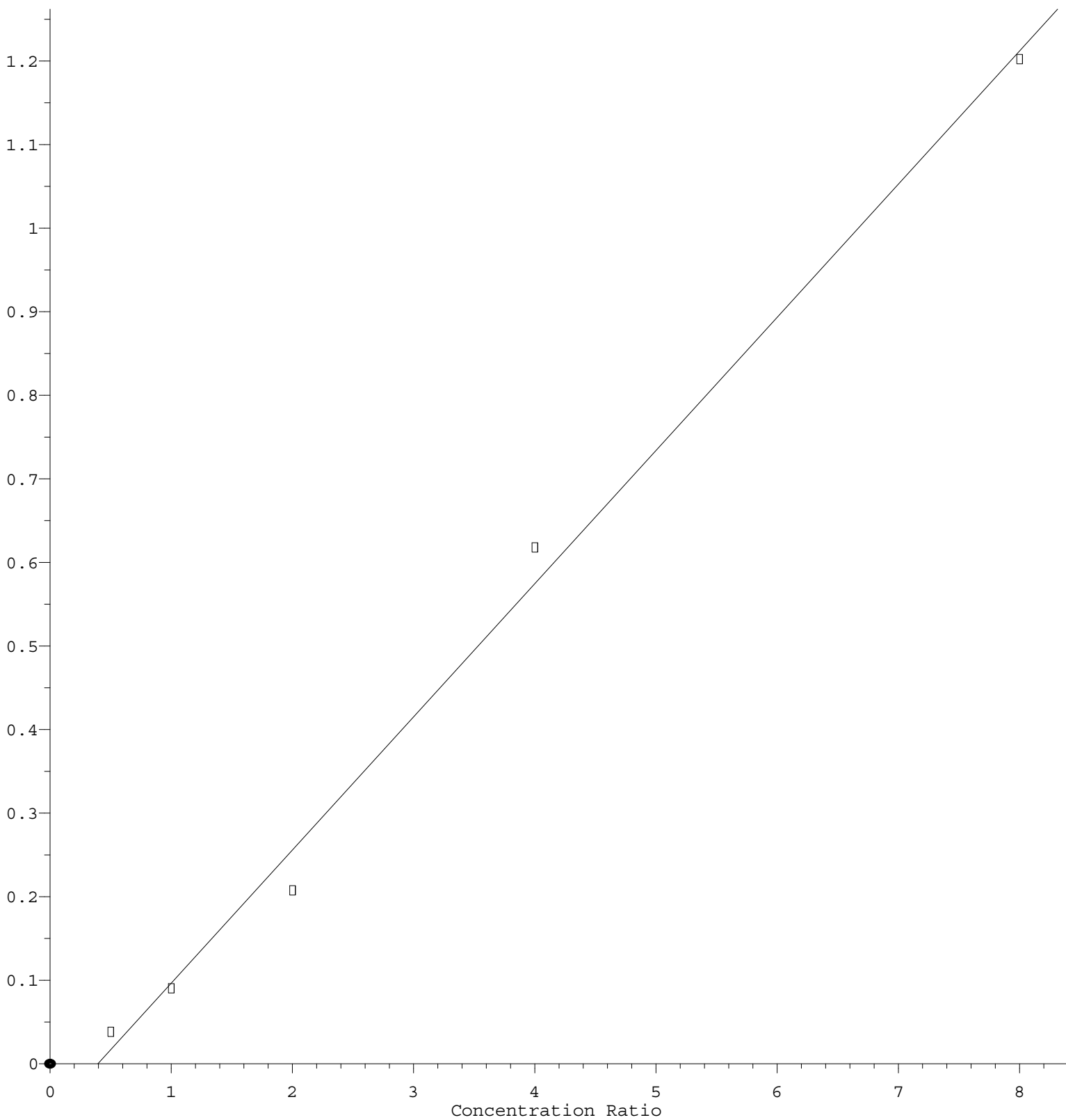
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36)	Indeno(1,2,3-c...	1.106	1.086	1.146	1.134	1.553	1.427	1.518	1.281	16.23
37)	Benzo(b)fluora...	1.326	1.313	1.366	1.371	1.746	1.574	1.589	1.469	11.36
38)	Benzo(k)fluora...	1.451	1.386	1.469	1.567	2.090	1.713	1.733	1.630	14.83
39) C	Benzo(a)pyrene	1.162	1.154	1.270	1.271	1.658	1.477	1.517	1.358	14.25
40)	Dibenzo(a,h)an...	0.783	0.767	0.861	0.847	1.167	1.068	1.152	0.949	18.34
41)	Benzo(g,h,i)pe...	1.115	1.099	1.139	1.108	1.463	1.297	1.346	1.224	11.82

(#) = Out of Range

Pentachlorophenol

Response Ratio



$$\text{Response} = 1.594\text{e-}001 * \text{Amt} - 6.292\text{e-}002$$

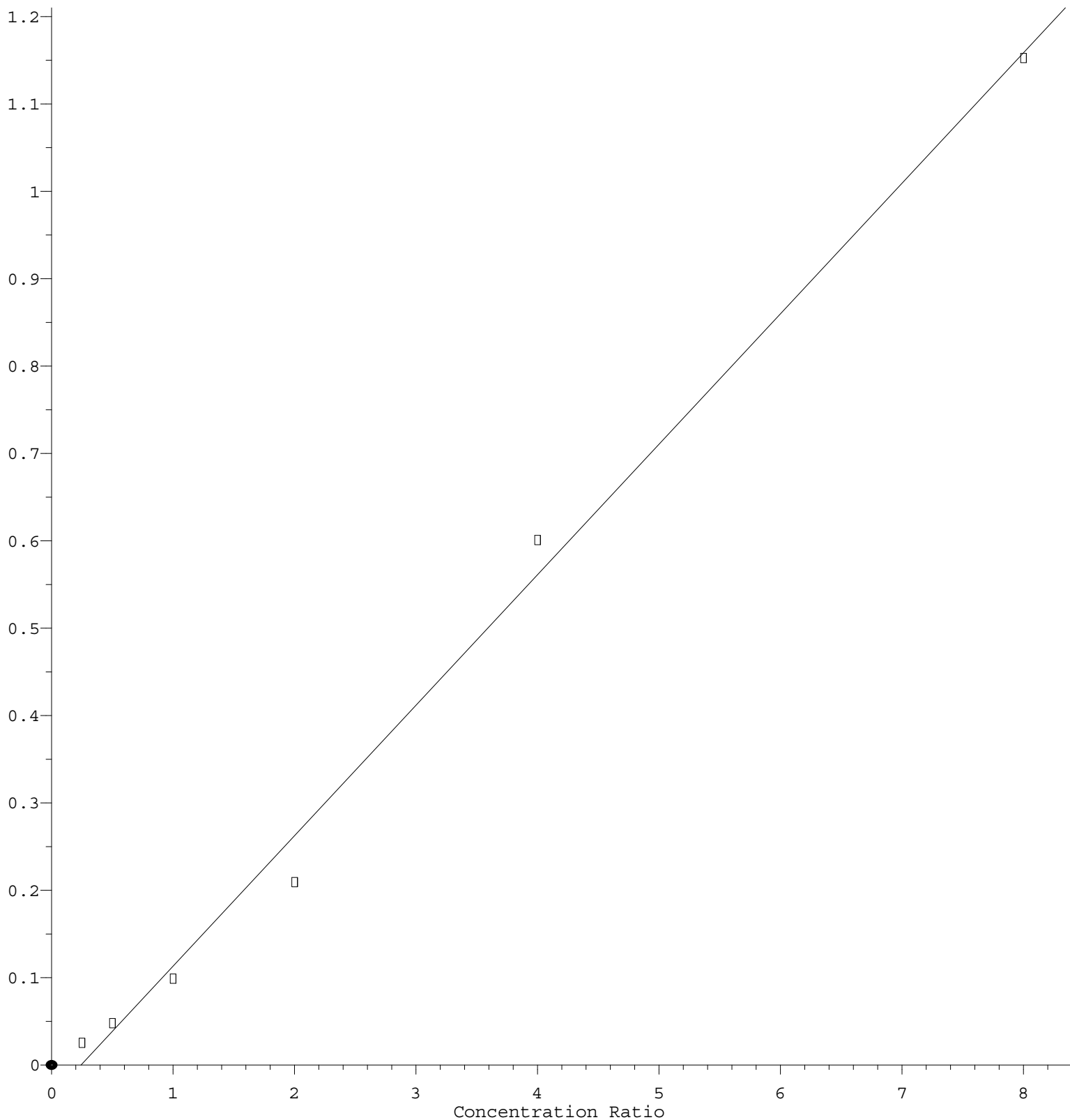
Coef of Det (r^2) = 0.994942 Curve Fit: Linear

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Atrazine

Response Ratio



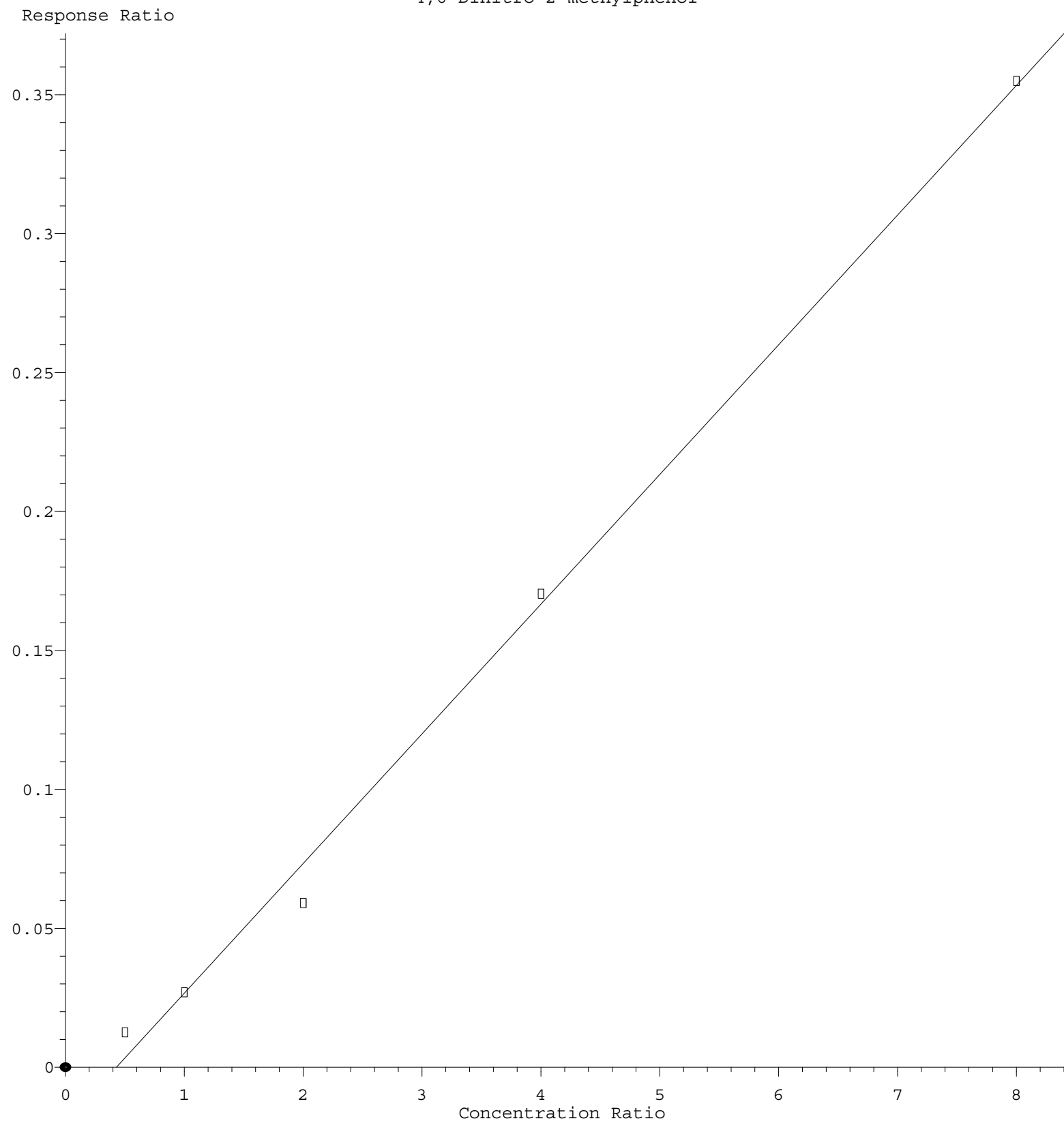
$$\text{Response} = 1.494\text{e-}001 * \text{Amt} - 3.628\text{e-}002$$

Coef of Det (r^2) = 0.994600 Curve Fit: Linear

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4,6-Dinitro-2-methylphenol



$\text{Response} = 4.672\text{e-}002 * \text{Amt} - 2.005\text{e-}002$
 Coef of Det (r^2) = 0.996268 Curve Fit: Linear
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