

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN110724.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 07 15:02:36 2024
 Response Via : Initial Calibration

Calibration Files

0.1 =BN034885.D 0.2 =BN034886.D 0.4 =BN034887.D 0.8 =BN034888.D 1.6 =BN034889.D 3.2 =BN034890.D 5.0 =BN034891.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	0.563	0.562	0.474	0.530	0.498	0.470	0.441	0.505	9.43
3)	n-Nitrosodimet...	0.697	0.715	0.621	0.753	0.712	0.643	0.632	0.682	7.32
4) S	2-Fluorophenol	1.137	1.131	1.007	1.180	1.146	1.082	1.120	1.115	5.00
5) S	Phenol-d6	1.438	1.439	1.299	1.582	1.550	1.495	1.557	1.480	6.62
6)	bis(2-Chloroet...	1.316	1.267	1.170	1.389	1.336	1.230	1.230	1.277	5.84
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.314	0.301	0.280	0.327	0.324	0.313	0.324	0.312	5.36
9)	Naphthalene	1.110	1.086	1.028	1.181	1.166	1.089	1.111	1.110	4.63
10)	Hexachlorobuta...	0.183	0.180	0.167	0.189	0.182	0.168	0.169	0.177	4.89
11) SURR	2-Methylnaphth...	0.527	0.519	0.491	0.579	0.577	0.548	0.575	0.545	6.30
12)	2-Methylnaphth...	0.647	0.641	0.612	0.725	0.723	0.691	0.717	0.679	6.76
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.083	0.094	0.087	0.121	0.129	0.142	0.167	0.118	26.52
15) S	2-Fluorobiphenyl	1.753	1.737	1.540	1.788	1.747	1.620	1.642	1.690	5.32
16)	Acenaphthylene	1.833	1.826	1.672	2.034	2.040	2.003	2.097	1.929	8.00
17)	Acenaphthene	1.292	1.281	1.176	1.430	1.412	1.352	1.403	1.335	6.83
18)	Fluorene	1.614	1.600	1.463	1.774	1.779	1.680	1.727	1.662	6.78
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.033	0.032	0.040	0.044	0.052	0.062	0.044		26.24
21)	4-Bromophenyl-...	0.212	0.201	0.202	0.220	0.219	0.216	0.222	0.213	4.05
22)	Hexachlorobenzene	0.262	0.255	0.252	0.268	0.260	0.252	0.248	0.257	2.61
23)	Atrazine	0.128	0.136	0.133	0.162	0.169	0.173	0.180	0.154	13.84
24)	Pentachlorophenol	0.055	0.055	0.074	0.079	0.092	0.107	0.077		26.61
25)	Phenanthrene	1.218	1.168	1.162	1.303	1.276	1.239	1.221	1.227	4.22
26)	Anthracene	0.965	0.963	0.963	1.121	1.116	1.119	1.156	1.058	8.39
27) SURR	Fluoranthene-d10	0.801	0.845	0.801	0.971	0.976	0.947	0.972	0.902	9.15
28)	Fluoranthene	1.112	1.183	1.135	1.414	1.418	1.385	1.391	1.291	10.85
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.180	2.005	1.990	2.107	2.033	1.945	1.916	2.025	4.53
31) S	Terphenyl-d14	0.788	0.750	0.743	0.777	0.750	0.715	0.722	0.749	3.54
32)	Benzo(a)anthra...	1.450	1.472	1.423	1.663	1.663	1.622	1.622	1.559	6.80
33)	Chrysene	1.632	1.632	1.583	1.768	1.709	1.625	1.601	1.650	3.95
34)	Bis(2-ethylhex...	0.984	0.873	0.720	0.881	0.838	0.922	1.048	0.895	11.77
35) I	Perylene-d12	-----ISTD-----								

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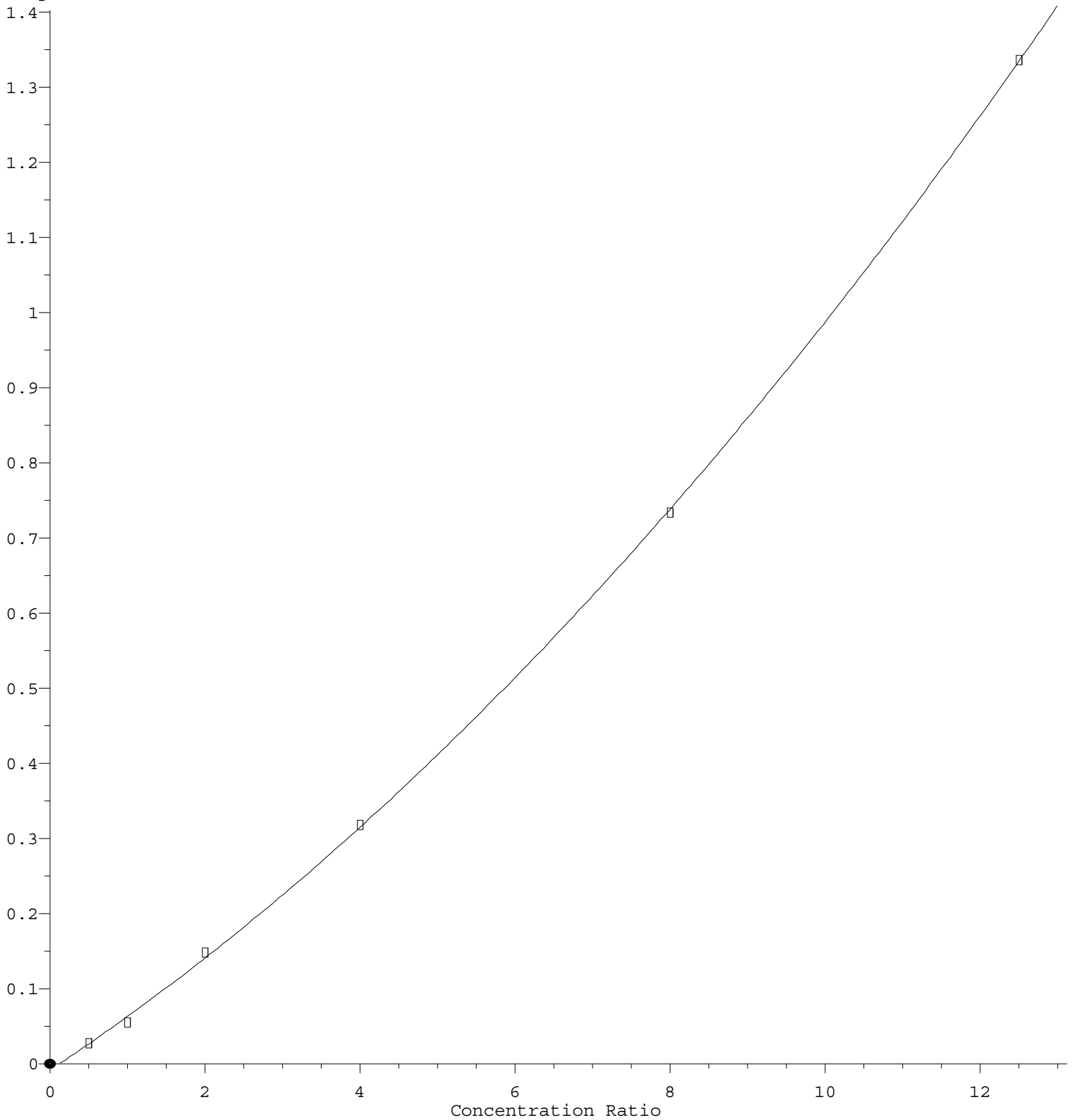
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36)	Indeno(1,2,3-c...	1.810	1.753	1.680	1.845	1.868	1.733	1.785	1.782	3.68
37)	Benzo(b)fluora...	1.685	1.601	1.752	1.900	1.814	1.765	1.784	1.757	5.40
38)	Benzo(k)fluora...	1.763	1.746	1.724	1.982	1.931	1.812	1.835	1.828	5.30
39) C	Benzo(a)pyrene	1.308	1.249	1.339	1.475	1.469	1.438	1.492	1.396	6.85
40)	Dibenzo(a,h)an...	1.389	1.356	1.304	1.423	1.447	1.347	1.386	1.379	3.48
41)	Benzo(g,h,i)pe...	1.482	1.434	1.483	1.485	1.509	1.407	1.445	1.464	2.44

(#) = Out of Range

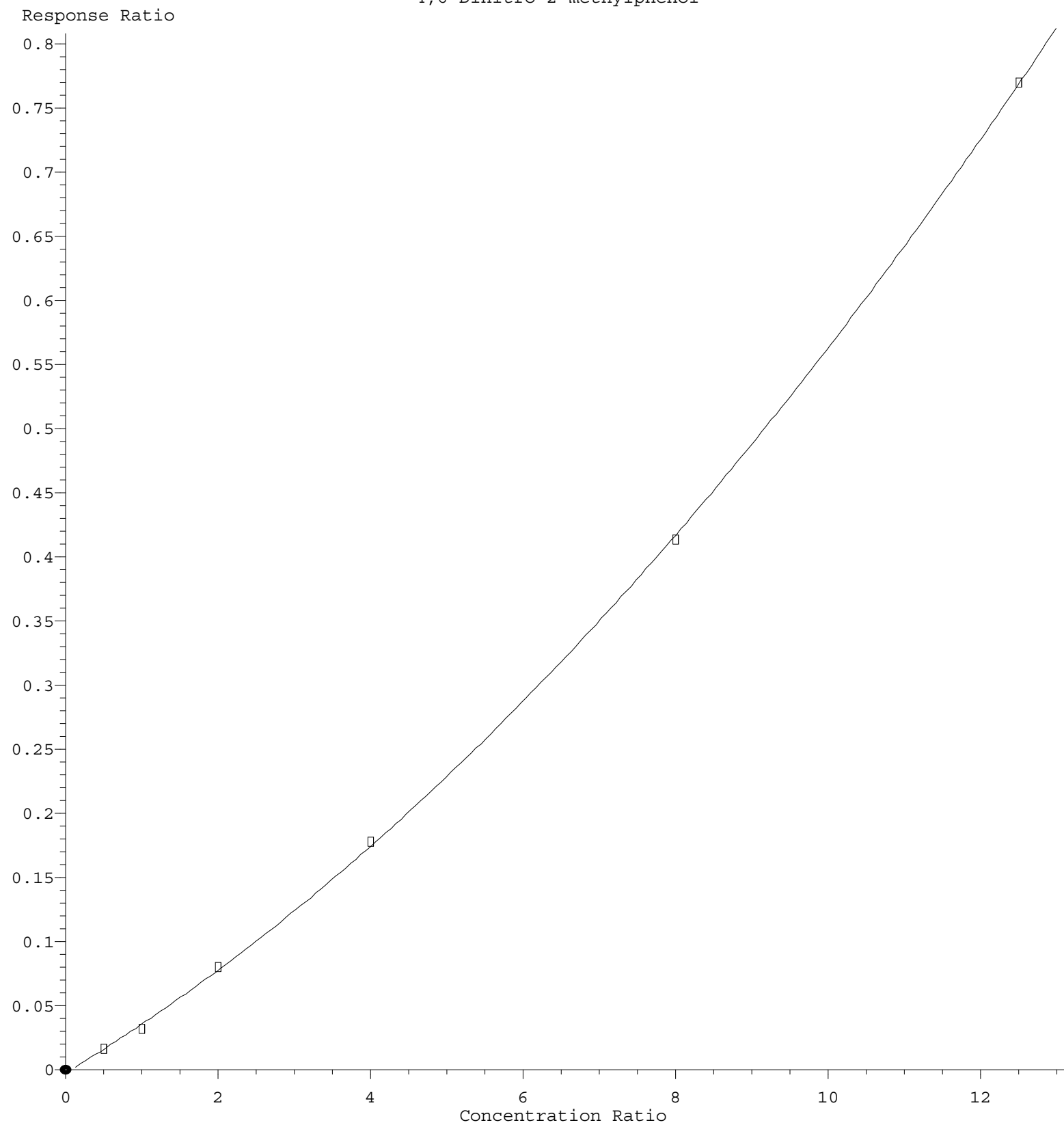
Pentachlorophenol

Response Ratio



$R = 3.129e-003 A^2 + 6.832e-002 A - 8.406e-003$
 Coef of Det (r^2) = 0.999884 Curve Fit: Quadratic
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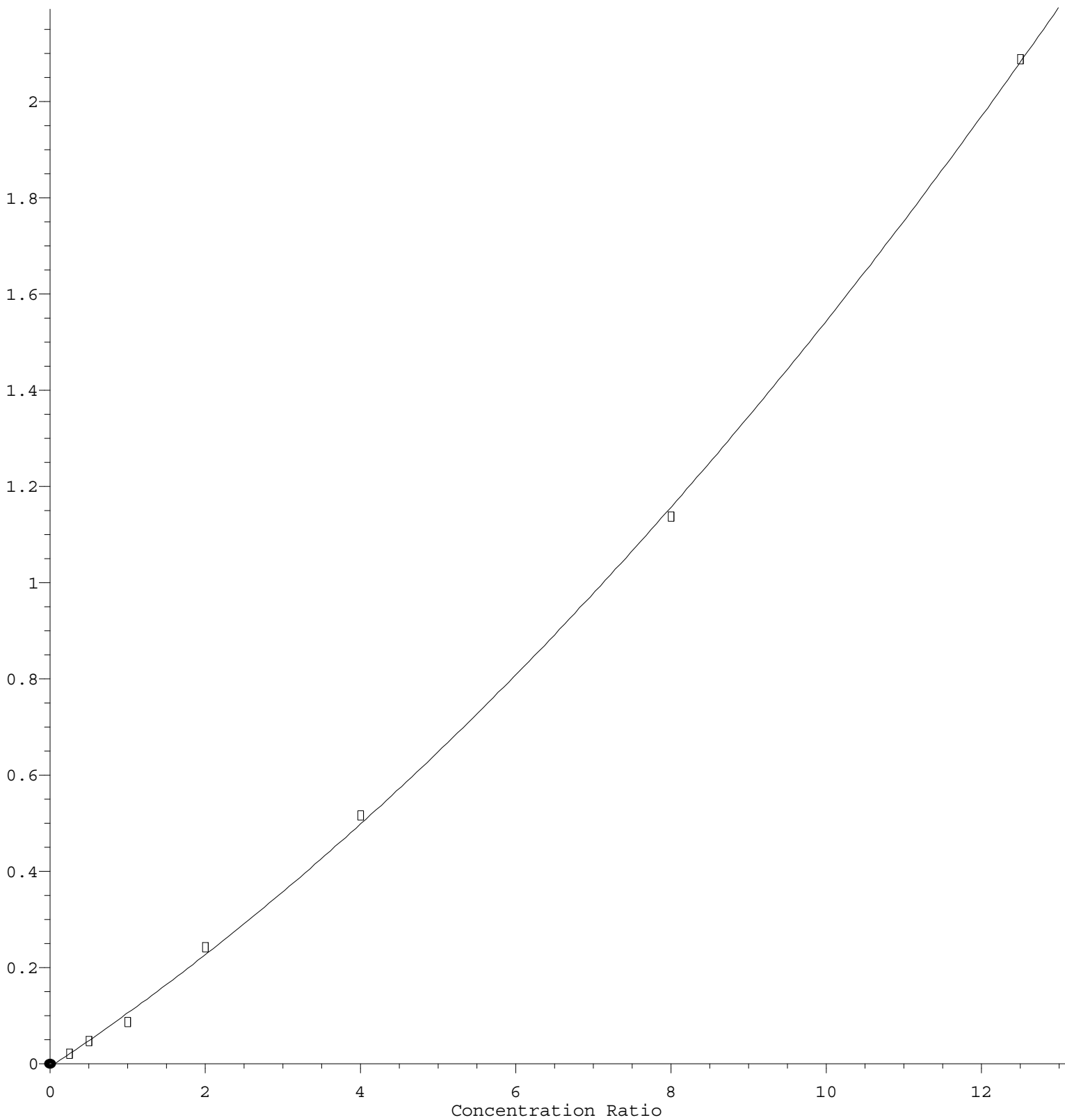
4,6-Dinitro-2-methylphenol



$R = 2.059e-003 A^2 + 3.595e-002 A - 2.452e-003$
 Coef of Det (r^2) = 0.999897 Curve Fit: Quadratic
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2,4,6-Tribromophenol

Response Ratio



$R = 4.810e-003 A^2 + 1.069e-001 A - 6.391e-003$
 Coef of Det (r^2) = 0.999627 Curve Fit: Quadratic
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