Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Oct 21 02:32:53 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM042383.D 5 =BM042384.D 10 =BM042385.D 20 =BM042386.D 40 =BM042387.D 50 =BM042388.D 60 =BM042389.D 80 =BM0423
90.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.705	0.643	0.702	0.655	0.645	0.658	0.658	0.666	3.91
3)		Pyridine		1.911	1.831	2.047	1.951	1.926	1.989	2.030	1.955	3.82
4)		n-Nitrosodimet...		0.948	0.946	1.038	1.005	0.966	0.996	1.012	0.987	3.52
5)	S	2-Fluorophenol		1.356	1.334	1.490	1.432	1.394	1.440	1.460	1.415	3.97
6)		Aniline		2.218	2.179	2.473	2.460	2.430	2.524	2.618	2.415	6.62
7)	S	Phenol-d6		1.754	1.735	1.982	1.927	1.900	1.956	2.021	1.896	5.83
8)		2-Chlorophenol		1.312	1.302	1.446	1.430	1.395	1.454	1.490	1.404	5.15
9)		Benzaldehyde		1.300	1.202	1.263	1.077	1.002	0.968	0.920	1.105	13.65
10)	C	Phenol		1.828	1.804	2.042	1.998	1.950	2.014	2.081	1.960	5.42
11)		bis(2-Chloroet...		1.567	1.537	1.668	1.603	1.578	1.629	1.679	1.609	3.29
12)		1,3-Dichlorobe...		1.428	1.387	1.513	1.446	1.423	1.472	1.497	1.452	3.06
13)	C	1,4-Dichlorobe...		1.426	1.375	1.517	1.467	1.434	1.492	1.523	1.462	3.68
14)		1,2-Dichlorobe...		1.388	1.322	1.458	1.408	1.379	1.419	1.453	1.404	3.32
15)		Benzyl Alcohol		1.221	1.215	1.439	1.453	1.444	1.491	1.578	1.406	9.73
16)		2,2'-oxybis(1-...		2.471	2.419	2.656	2.559	2.500	2.569	2.645	2.546	3.46
17)		2-Methylphenol		1.148	1.142	1.345	1.333	1.321	1.358	1.403	1.293	8.07
18)		Hexachloroethane		0.529	0.519	0.577	0.573	0.563	0.585	0.593	0.563	5.00
19)	P	n-Nitroso-di-n...	1.075	1.164	1.154	1.358	1.355	1.344	1.377	1.456	1.285	10.48
20)		3+4-Methylphenols		1.503	1.520	1.787	1.780	1.772	1.837	1.941	1.734	9.38
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.505	0.500	0.564	0.572	0.541	0.561	0.577	0.546	5.78
23)	S	Nitrobenzene-d5		0.395	0.403	0.470	0.481	0.456	0.475	0.486	0.452	8.37
24)		Nitrobenzene		0.403	0.406	0.469	0.477	0.454	0.473	0.486	0.452	7.58
25)		Isophorone		0.639	0.647	0.777	0.821	0.789	0.829	0.877	0.769	11.89
26)	C	2-Nitrophenol		0.118	0.126	0.157	0.173	0.168	0.181		0.154	16.95
27)		2,4-Dimethylph...		0.266	0.276	0.319	0.332	0.315	0.328	0.347	0.312	9.56
28)		bis(2-Chloroet...		0.445	0.446	0.502	0.512	0.482	0.501	0.520	0.487	6.29
29)	C	2,4-Dichloroph...		0.224	0.233	0.276	0.287	0.277	0.292	0.309	0.271	11.57
30)		1,2,4-Trichlor...		0.272	0.265	0.294	0.301	0.285	0.301	0.316	0.291	6.10
31)		Naphthalene		0.962	0.949	1.056	1.074	1.008	1.049	1.092	1.027	5.39
32)		Benzoic acid			0.139	0.181	0.222	0.222	0.239		0.201	20.22
33)		4-Chloroaniline		0.386	0.395	0.455	0.473	0.452	0.468	0.493	0.446	9.01
34)	C	Hexachlorobuta...		0.143	0.141	0.157	0.164	0.156	0.166	0.175	0.157	7.92
35)		Caprolactam			0.068	0.090	0.103	0.101	0.107	0.118	0.098	17.73
36)	C	4-Chloro-3-met...		0.267	0.281	0.332	0.350	0.337	0.351	0.374	0.327	11.97
37)		2-Methylnaphth...		0.632	0.618	0.706	0.723	0.689	0.717	0.756	0.692	7.20
38)		1-Methylnaphth...		0.596	0.578	0.657	0.680	0.644	0.673	0.708	0.648	7.17

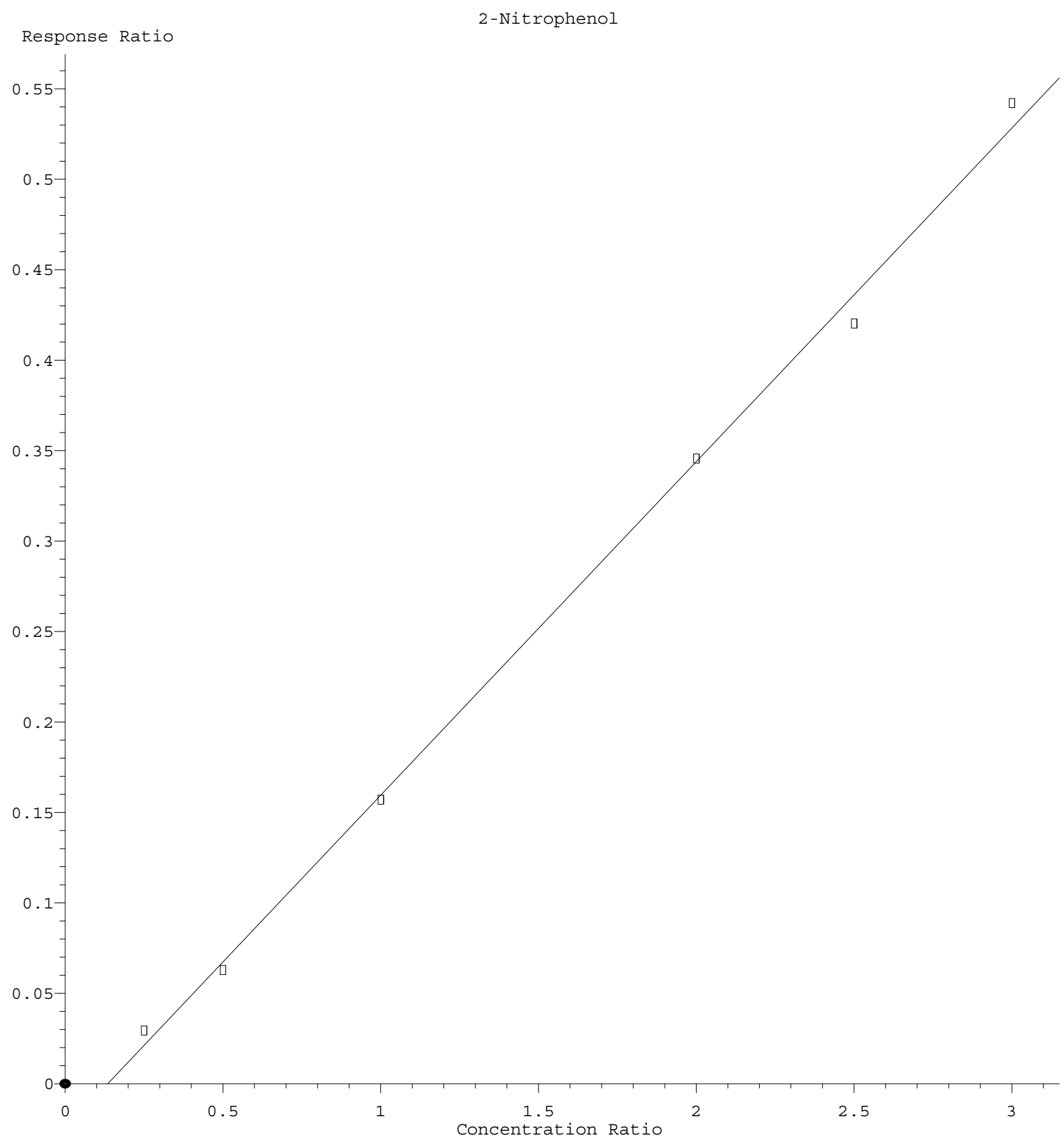
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102123.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.503	0.510	0.575	0.605	0.576	0.626	0.653	0.578	9.74
41)	P	Hexachlorocycl...		0.201	0.254	0.294	0.285	0.319		0.271	16.66
42)	S	2,4,6-Tribromo...		0.144	0.182	0.207	0.206	0.227		0.193	16.45
43)	C	2,4,6-Trichlor...	0.285	0.316	0.370	0.404	0.386	0.417	0.442	0.374	14.95
44)		2,4,5-Trichlor...	0.349	0.376	0.442	0.471	0.453	0.490	0.518	0.442	13.72
45)	S	2-Fluorobiphenyl	1.353	1.346	1.499	1.562	1.472	1.560	1.605	1.485	6.90
46)		1,1'-Biphenyl	1.459	1.450	1.626	1.669	1.557	1.647	1.699	1.587	6.33
47)		2-Chloronaphth...	1.064	1.078	1.197	1.222	1.140	1.208	1.240	1.164	6.08
48)		2-Nitroaniline	0.309	0.345	0.449	0.508	0.485	0.520	0.544	0.452	20.06
49)		Acenaphthylene	1.585	1.677	1.932	2.028	1.889	1.997	2.048	1.879	9.59
50)		Dimethylphthalate	1.329	1.331	1.490	1.539	1.455	1.534	1.591	1.467	6.99
51)		2,6-Dinitrotol...	0.218	0.251	0.304	0.331	0.310	0.334	0.348	0.299	15.90
52)	C	Acenaphthene	1.033	1.021	1.153	1.199	1.125	1.192	1.229	1.136	7.18
53)		3-Nitroaniline	0.232	0.273	0.356	0.392	0.371	0.396	0.413	0.348	19.67
54)	P	2,4-Dinitrophenol		0.091	0.138	0.176	0.176	0.192	0.214	0.165	26.70
55)		Dibenzofuran	1.634	1.642	1.820	1.879	1.774	1.880	1.951	1.797	6.78
56)	P	4-Nitrophenol		0.216	0.290	0.318	0.304	0.326	0.338	0.299	14.76
57)		2,4-Dinitrotol...	0.244	0.286	0.383	0.428	0.415	0.451	0.472	0.383	22.41
58)		Fluorene	1.246	1.249	1.433	1.499	1.425	1.508	1.566	1.418	8.86
59)		2,3,4,6-Tetrac...	0.255	0.281	0.324	0.357	0.343	0.373	0.393	0.332	14.91
60)		Diethylphthalate	1.240	1.299	1.466	1.551	1.456	1.540	1.583	1.448	9.06
61)		4-Chlorophenyl...	0.566	0.568	0.654	0.707	0.681	0.731	0.769	0.668	11.67
62)		4-Nitroaniline	0.198	0.240	0.328	0.374	0.360	0.382	0.397	0.326	23.60
63)		Azobenzene	1.330	1.498	1.800	1.929	1.808	1.889	1.905	1.737	13.29
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.104	0.126	0.118	0.129	0.139	0.115	20.10
66)	c	n-Nitrosodiphe...	0.510	0.538	0.617	0.654	0.601	0.636	0.661	0.602	9.60
67)		4-Bromophenyl-...	0.148	0.154	0.179	0.201	0.191	0.204	0.221	0.185	14.45
68)		Hexachlorobenzene	0.172	0.173	0.193	0.212	0.198	0.210	0.229	0.198	10.59
69)		Atrazine	0.125	0.134	0.155	0.168	0.156	0.166	0.166	0.153	11.12
70)	C	Pentachlorophenol		0.098	0.129	0.153	0.143	0.158	0.172	0.142	18.36
71)		Phenanthrene	0.985	0.972	1.100	1.167	1.074	1.132	1.186	1.088	7.71
72)		Anthracene	0.894	0.938	1.072	1.185	1.086	1.155	1.213	1.078	11.32
73)		Carbazole	0.840	0.880	1.028	1.110	1.024	1.074	1.121	1.011	10.89
74)		Di-n-butylphth...	0.871	0.943	1.145	1.312	1.200	1.293	1.335	1.157	15.93
75)	C	Fluoranthene	0.959	0.996	1.175	1.308	1.226	1.319	1.405	1.198	14.00
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.338	0.331	0.288	0.253	0.245	0.277	0.295	0.289	12.27
78)		Pyrene	1.213	1.236	1.397	1.475	1.391	1.489	1.582	1.398	9.63
79)	S	Terphenyl-d14	0.940	0.955	1.120	1.227	1.161	1.226	1.264	1.128	11.69
80)		Butylbenzylpht...	0.404	0.441	0.566	0.627	0.601	0.643	0.664	0.564	18.06
81)		Benzo(a)anthra...	1.156	1.171	1.337	1.424	1.354	1.442	1.500	1.341	9.91
82)		3,3'-Dichlorob...	0.314	0.337	0.401	0.431	0.408	0.444	0.467	0.400	14.02
83)		Chrysene	1.162	1.138	1.304	1.352	1.279	1.364	1.414	1.288	8.04
84)		Bis(2-ethylhex...	0.549	0.611	0.790	0.904	0.854	0.914	0.944	0.795	19.61
85)	c	Di-n-octyl pht...		1.045	1.341	1.571	1.479	1.582	1.630	1.441	15.21

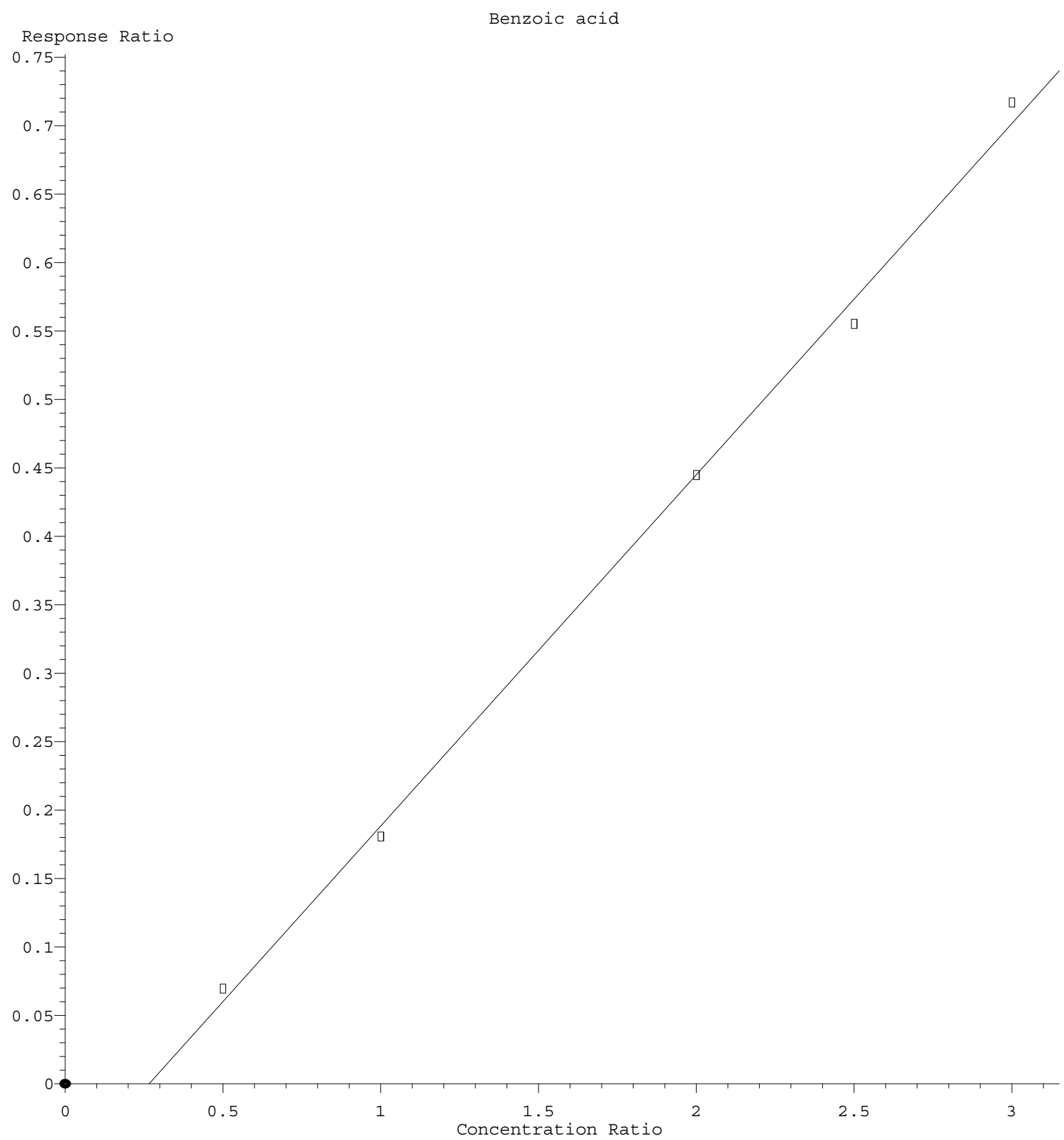
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102123.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.214	1.241	1.471	1.544	1.498	1.581	1.682	1.462	11.89
88)		Benzo(b)fluora...	0.970	1.010	1.205	1.294	1.246	1.315	1.387	1.204	13.04
89)		Benzo(k)fluora...	1.050	1.071	1.242	1.319	1.283	1.352	1.432	1.250	11.39
90)	C	Benzo(a)pyrene	0.915	0.950	1.161	1.248	1.199	1.281	1.358	1.159	14.40
91)		Dibenzo(a,h)an...	1.003	1.032	1.215	1.286	1.245	1.328	1.397	1.215	12.13
92)		Benzo(g,h,i)pe...	1.005	1.018	1.192	1.234	1.192	1.270	1.351	1.180	10.79

(#) = Out of Range



Response = 1.846e-001 * Amt - 2.498e-002
Coef of Det (r^2) = 0.997501 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 2.565e-001 * Amt - 6.827e-002
Coef of Det (r^2) = 0.997491 Curve Fit: Linear
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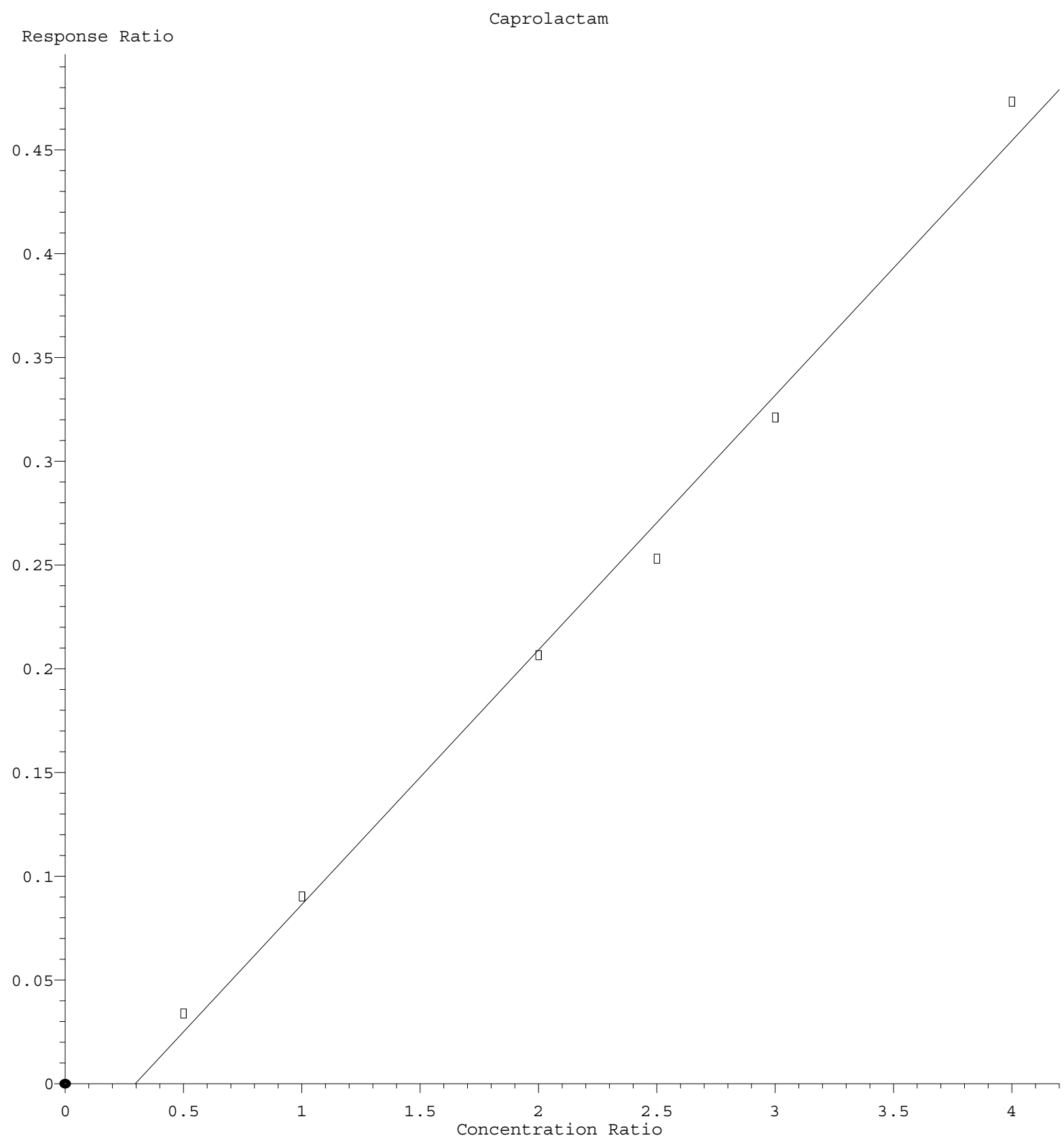
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 1.228e-001 * Amt - 3.640e-002
Coef of Det (r^2) = 0.993119 Curve Fit: Linear
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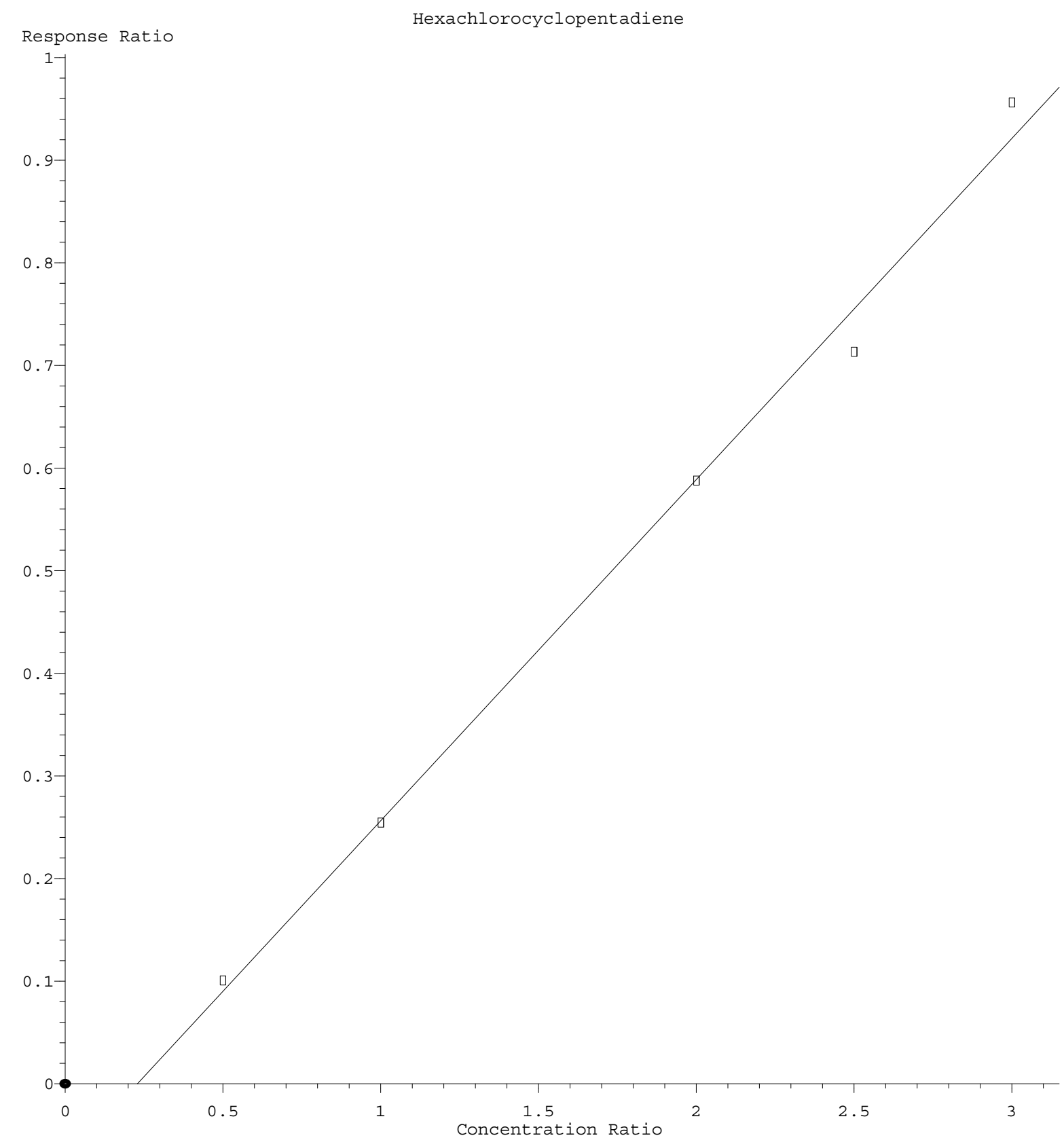
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 3.325e-001 * Amt - 7.608e-002
Coef of Det (r^2) = 0.993556 Curve Fit: Linear
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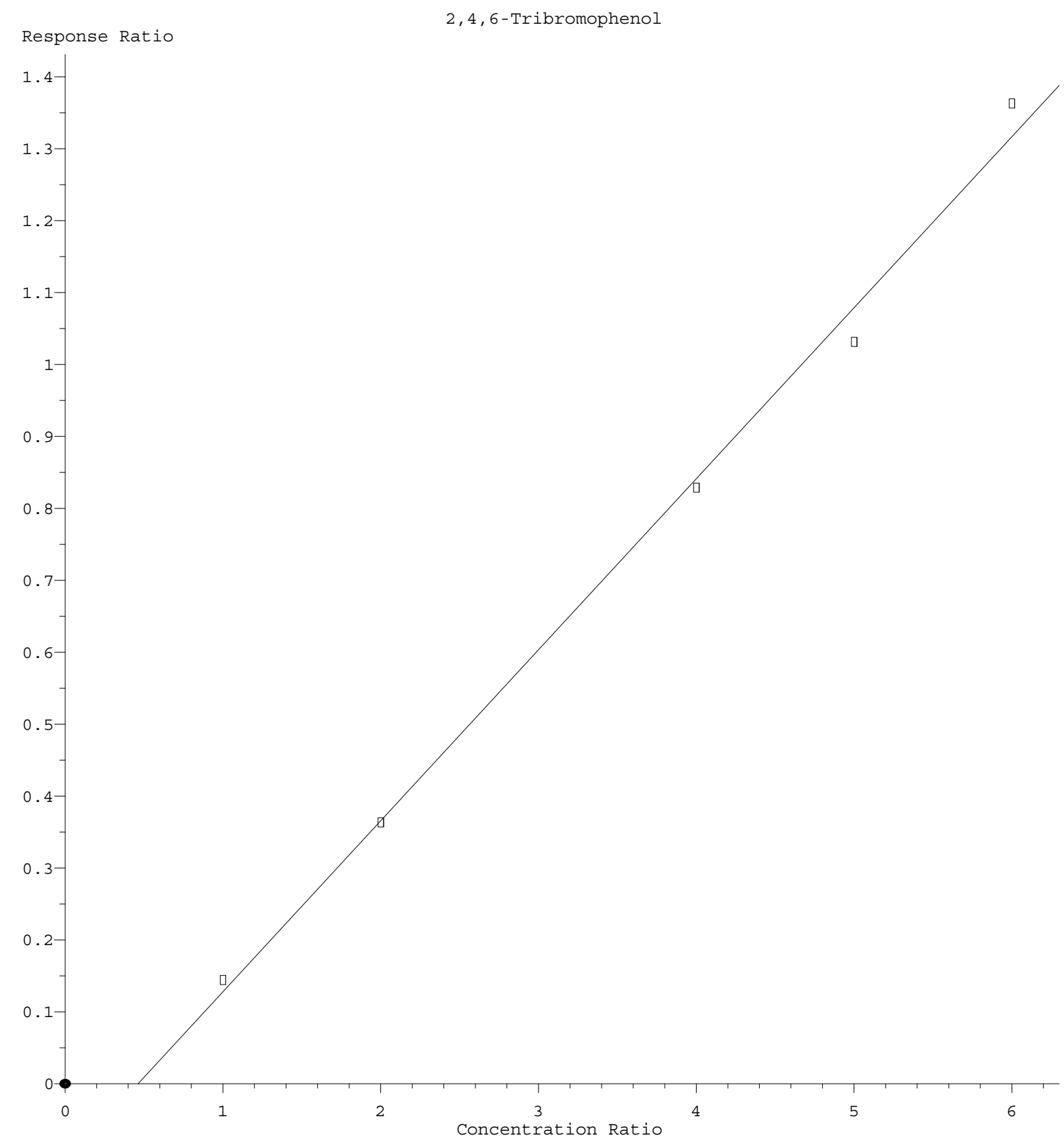
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 2.378e-001 * Amt - 1.099e-001
Coef of Det (r^2) = 0.995067 Curve Fit: Linear
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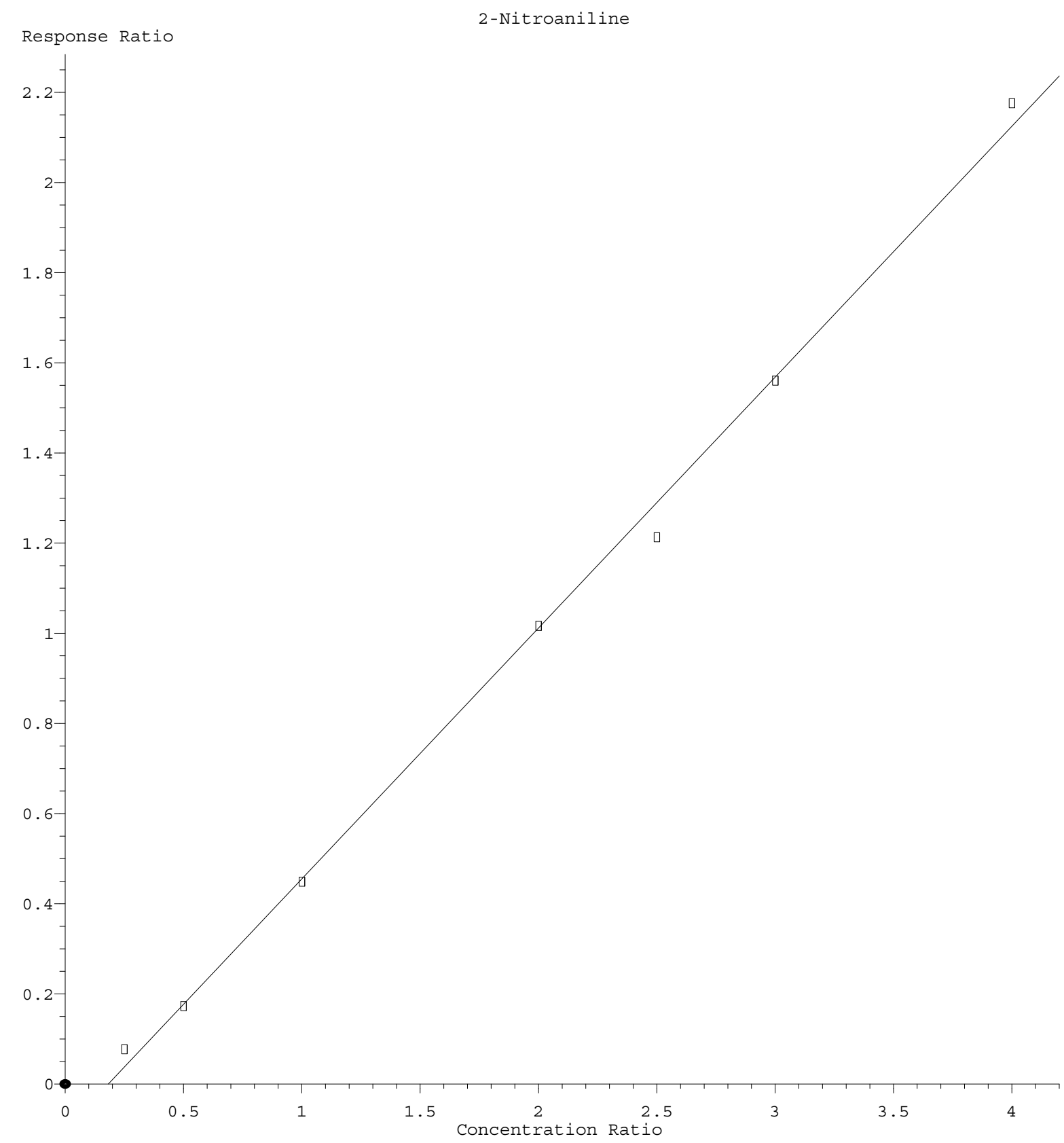
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 5.565e-001 * Amt - 1.013e-001
Coef of Det (r^2) = 0.997137 Curve Fit: Linear
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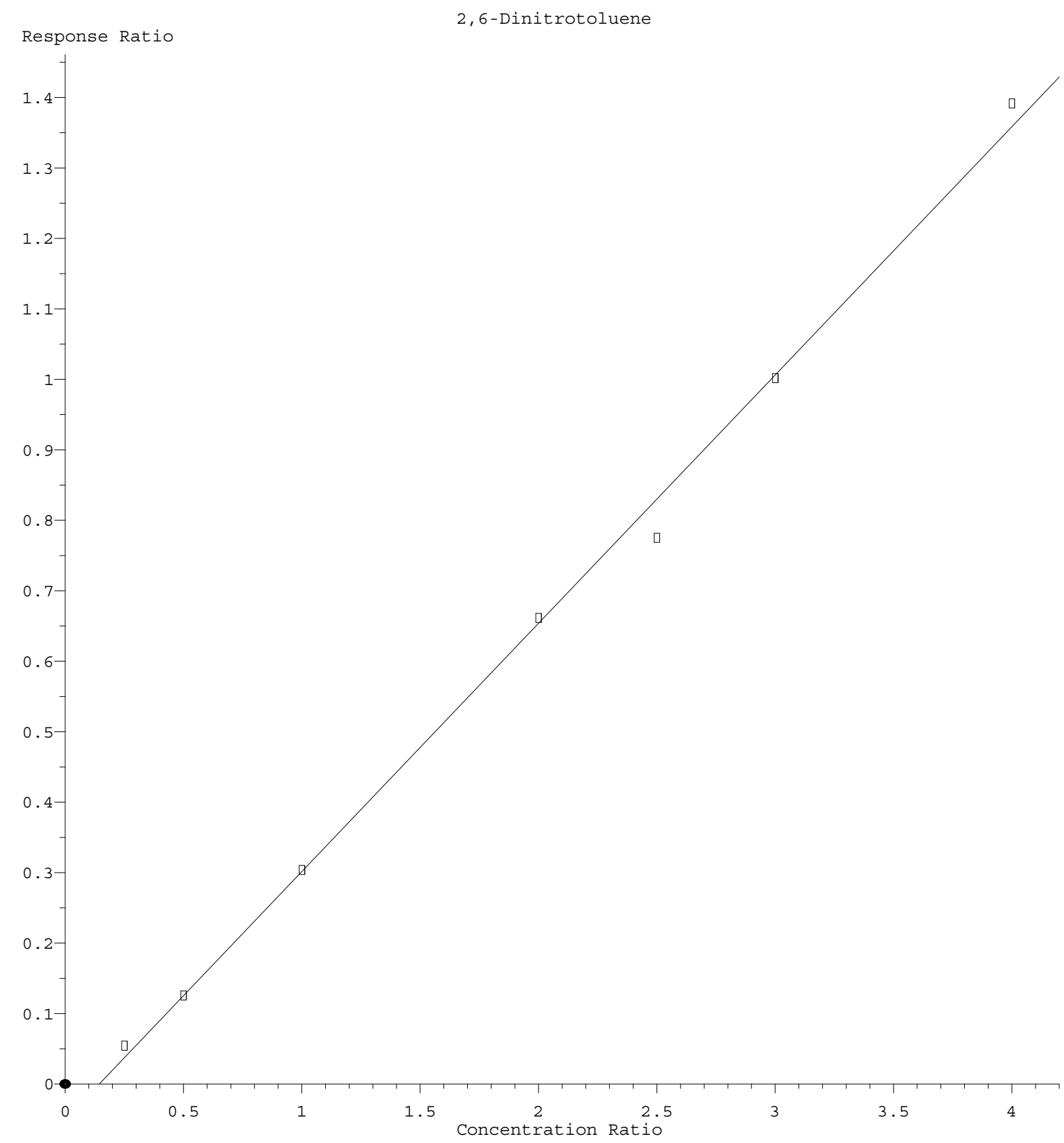
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 3.524e-001 * Amt - 5.088e-002
Coef of Det (r^2) = 0.996868 Curve Fit: Linear
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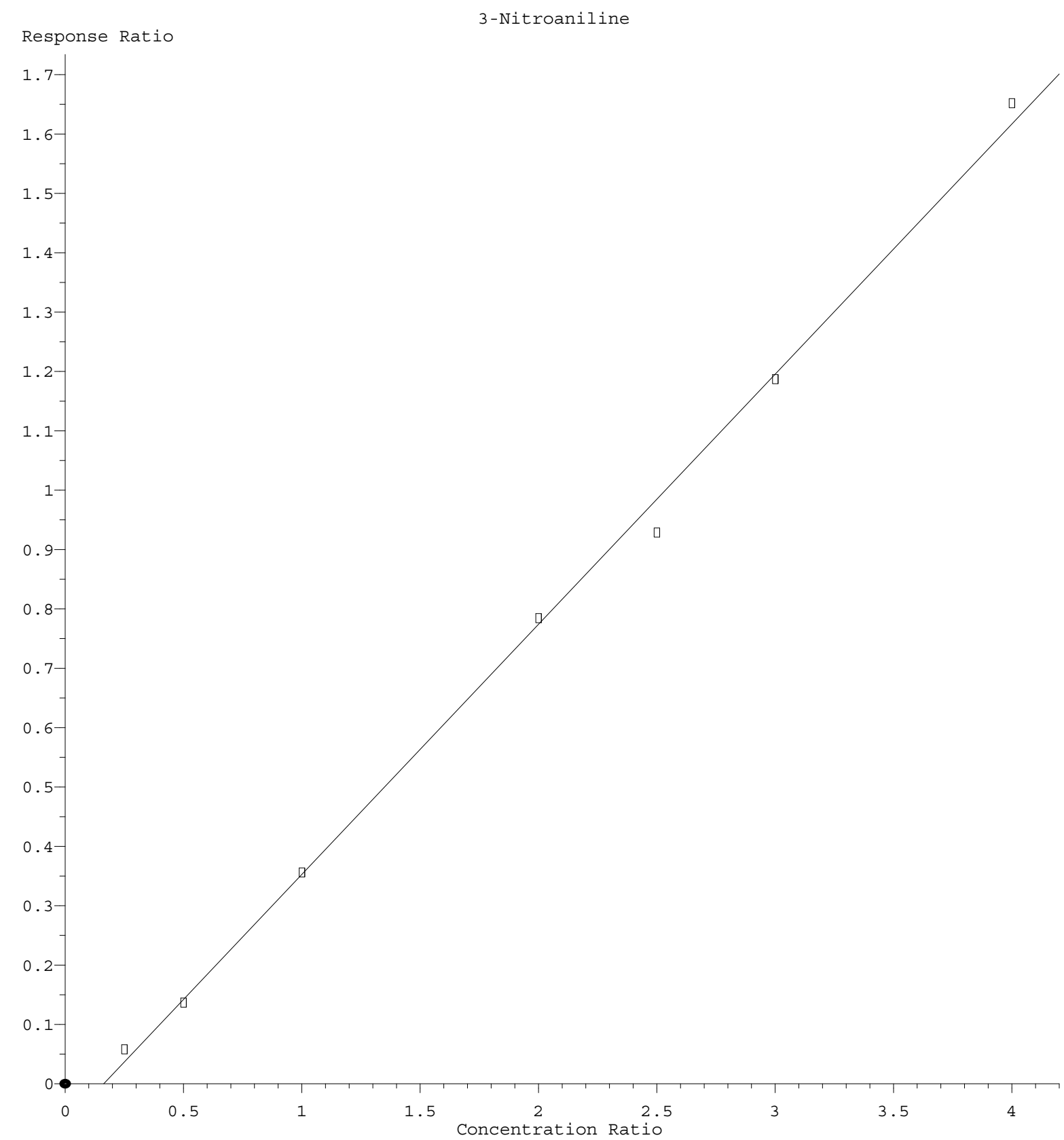
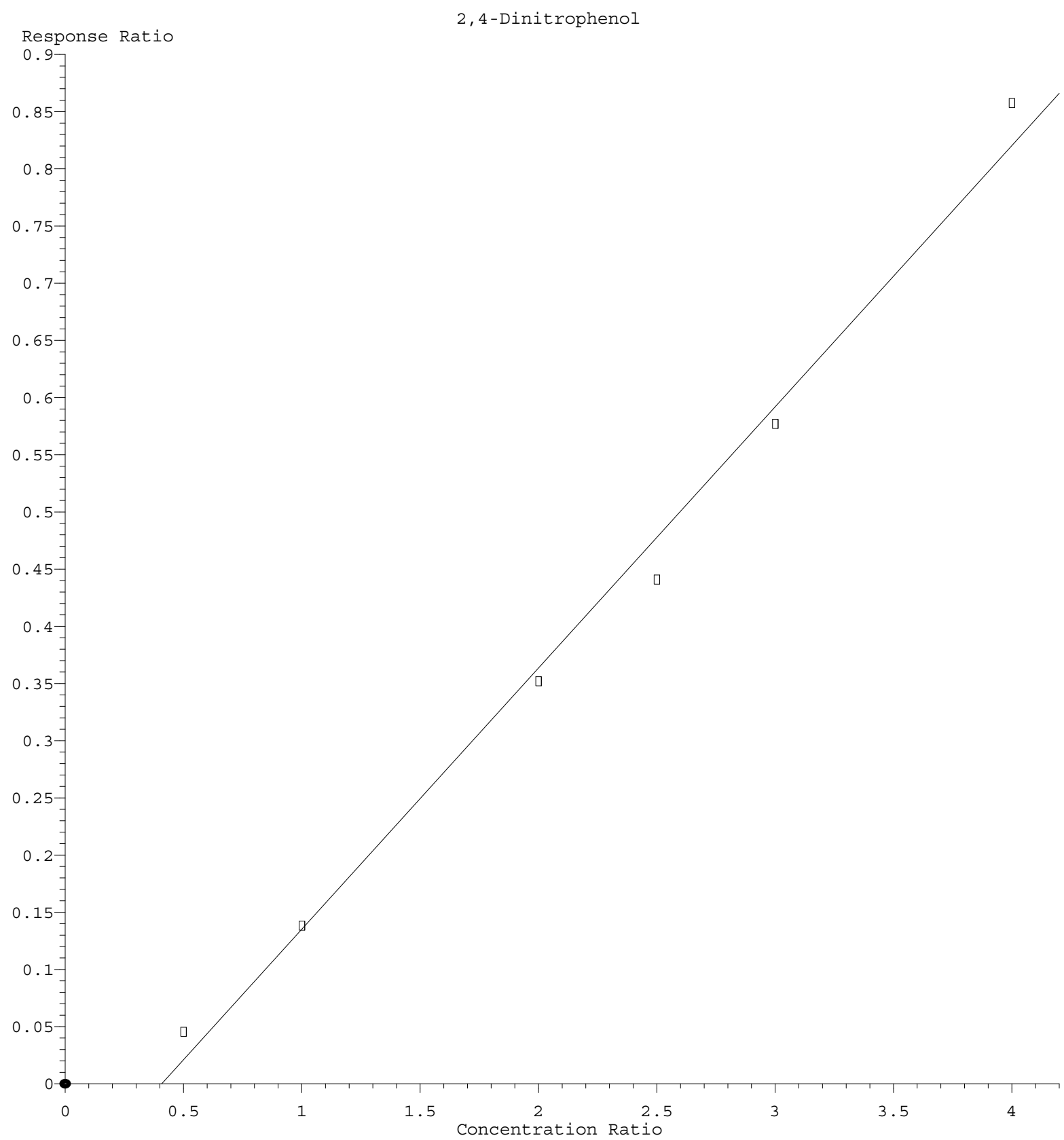
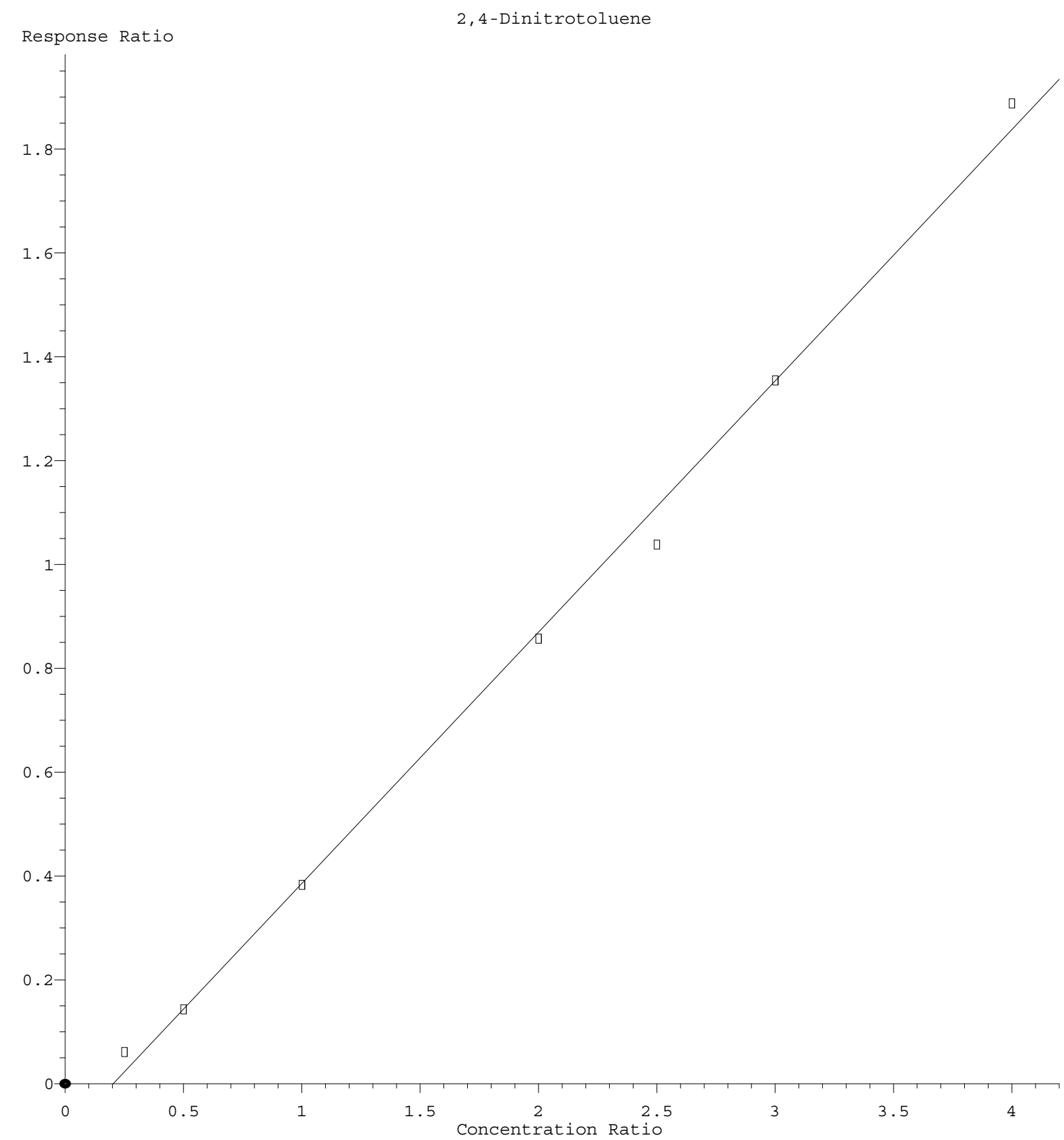
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



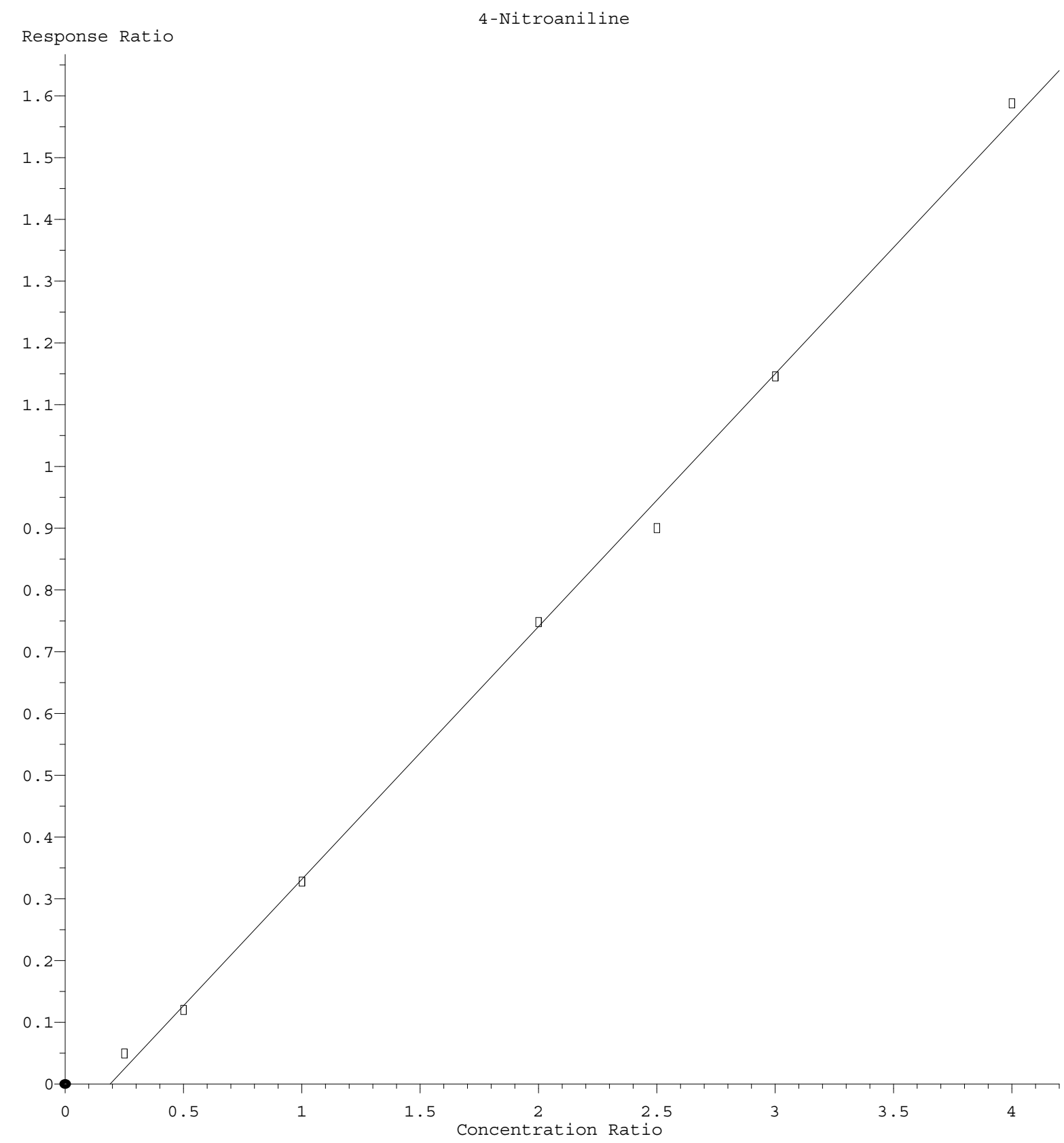
Response = 4.214e-001 * Amt - 6.881e-002
Coef of Det (r^2) = 0.997530 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 2.285e-001 * Amt - 9.333e-002
Coef of Det (r^2) = 0.991555 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 4.840e-001 * Amt - 9.833e-002
Coef of Det (r^2) = 0.996461 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 4.093e-001 * Amt - 7.779e-002
Coef of Det (r^2) = 0.998120 Curve Fit: Linear
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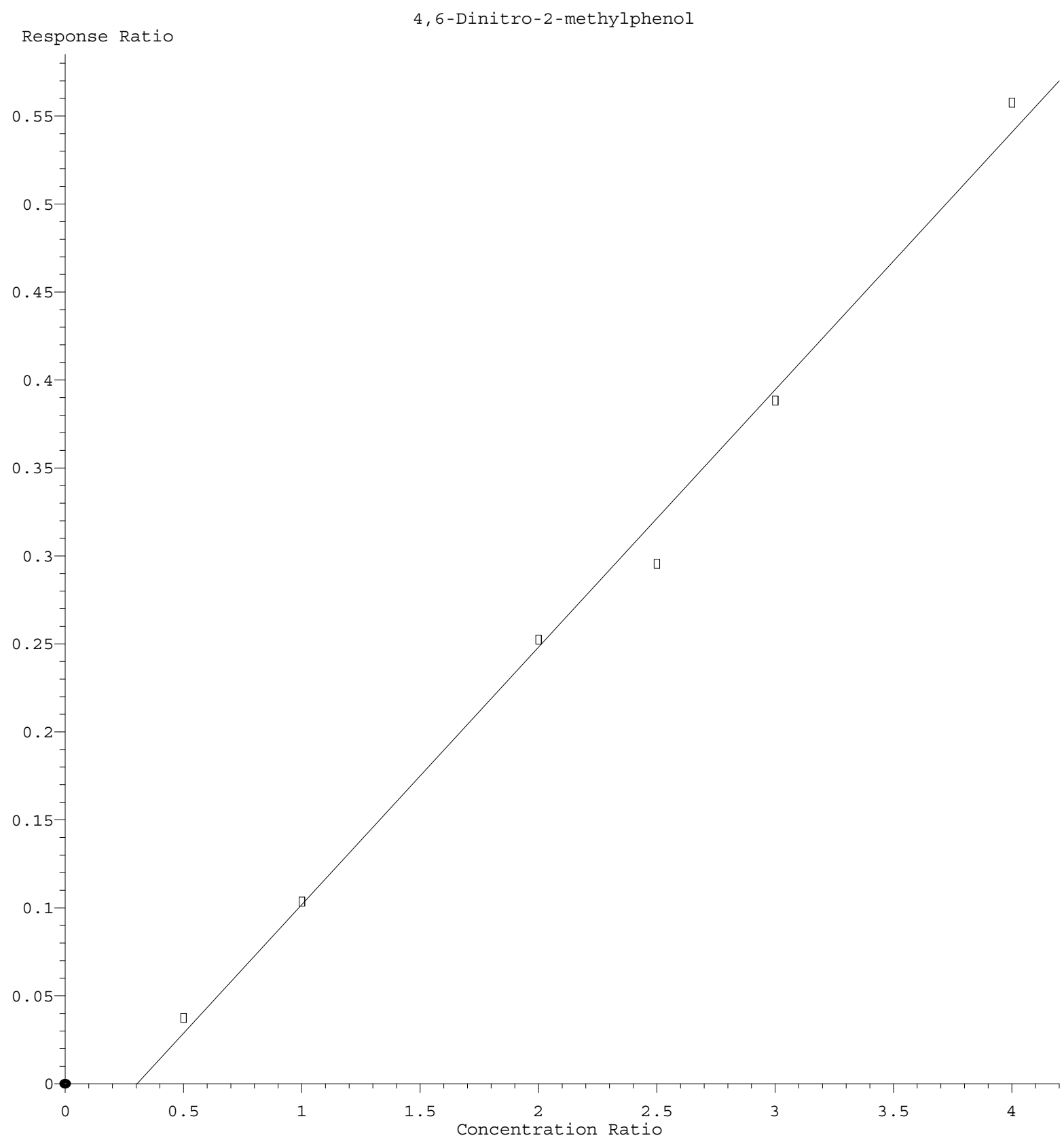
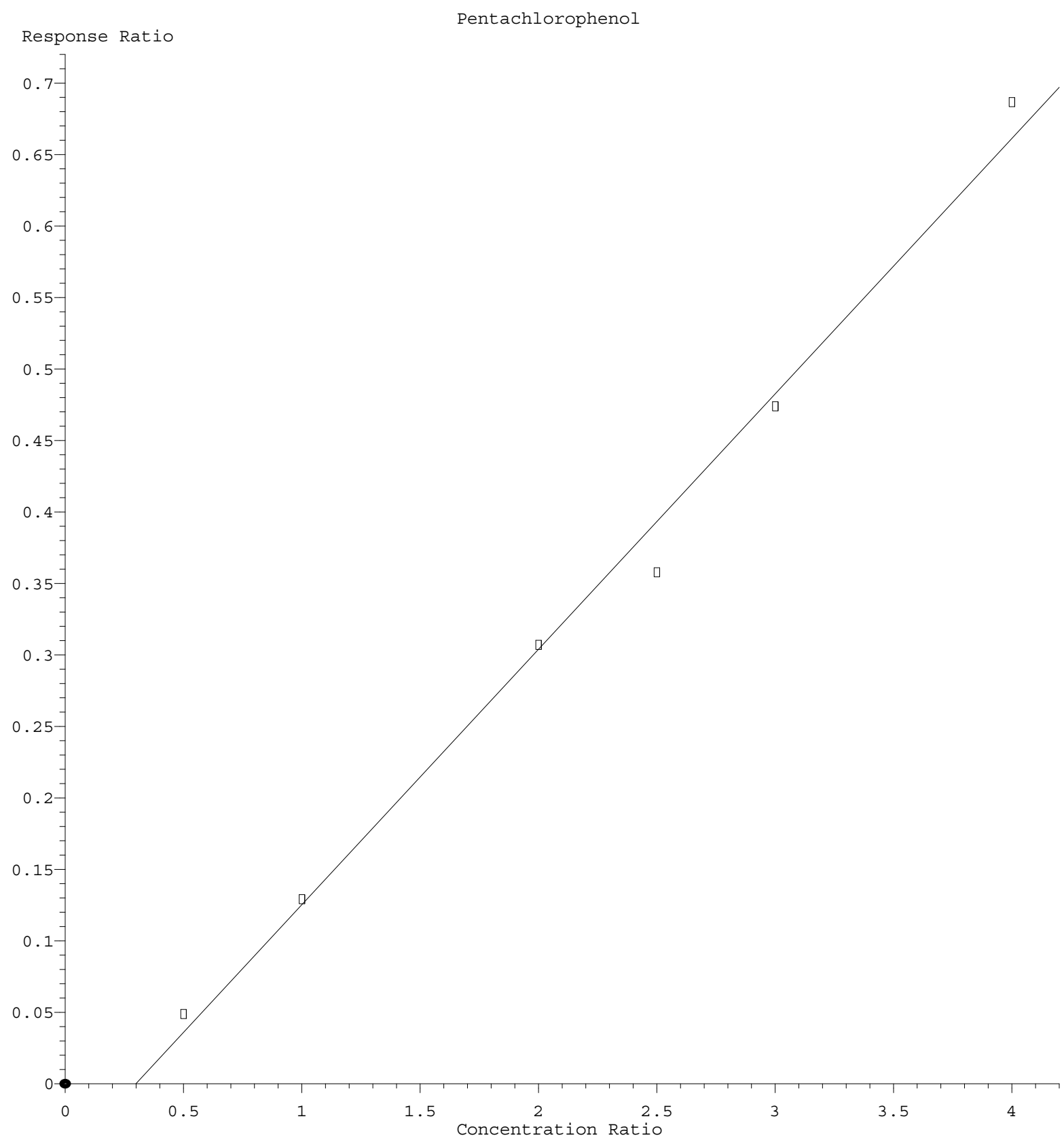
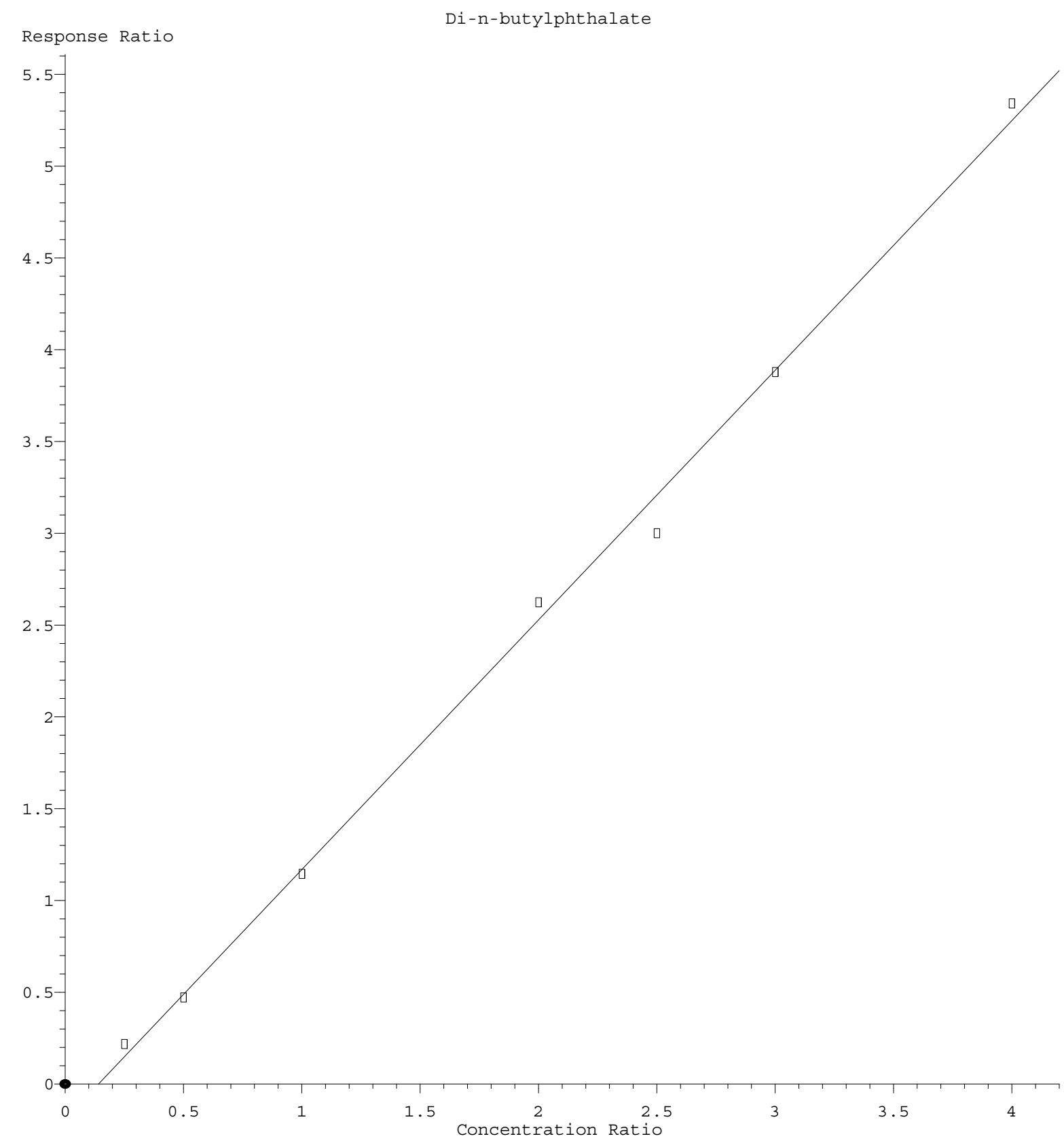
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



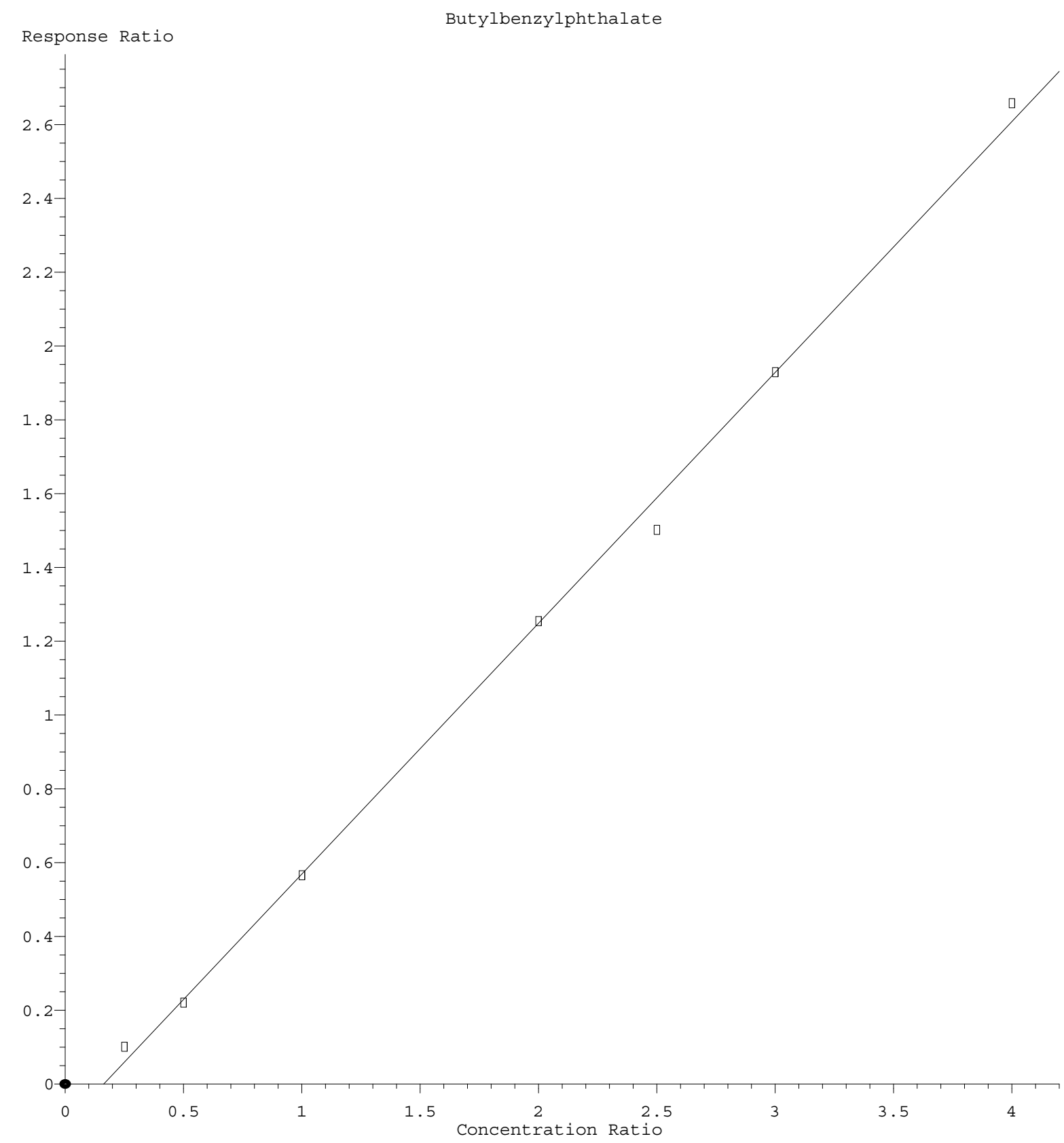
Response = 1.463e-001 * Amt - 4.451e-002
Coef of Det (r^2) = 0.993957 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



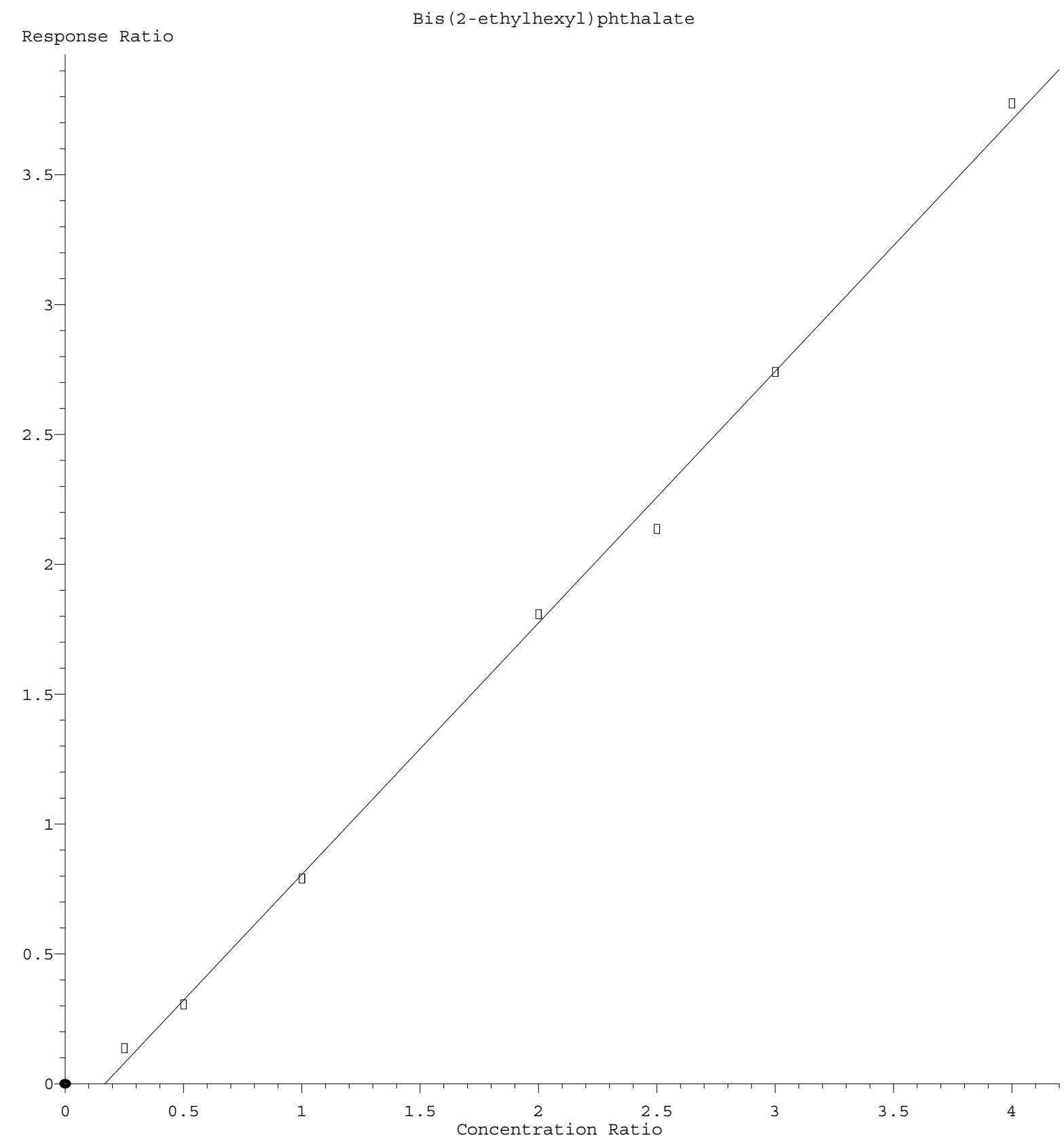
Response = 1.788e-001 * Amt - 5.351e-002
Coef of Det (r^2) = 0.991933 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



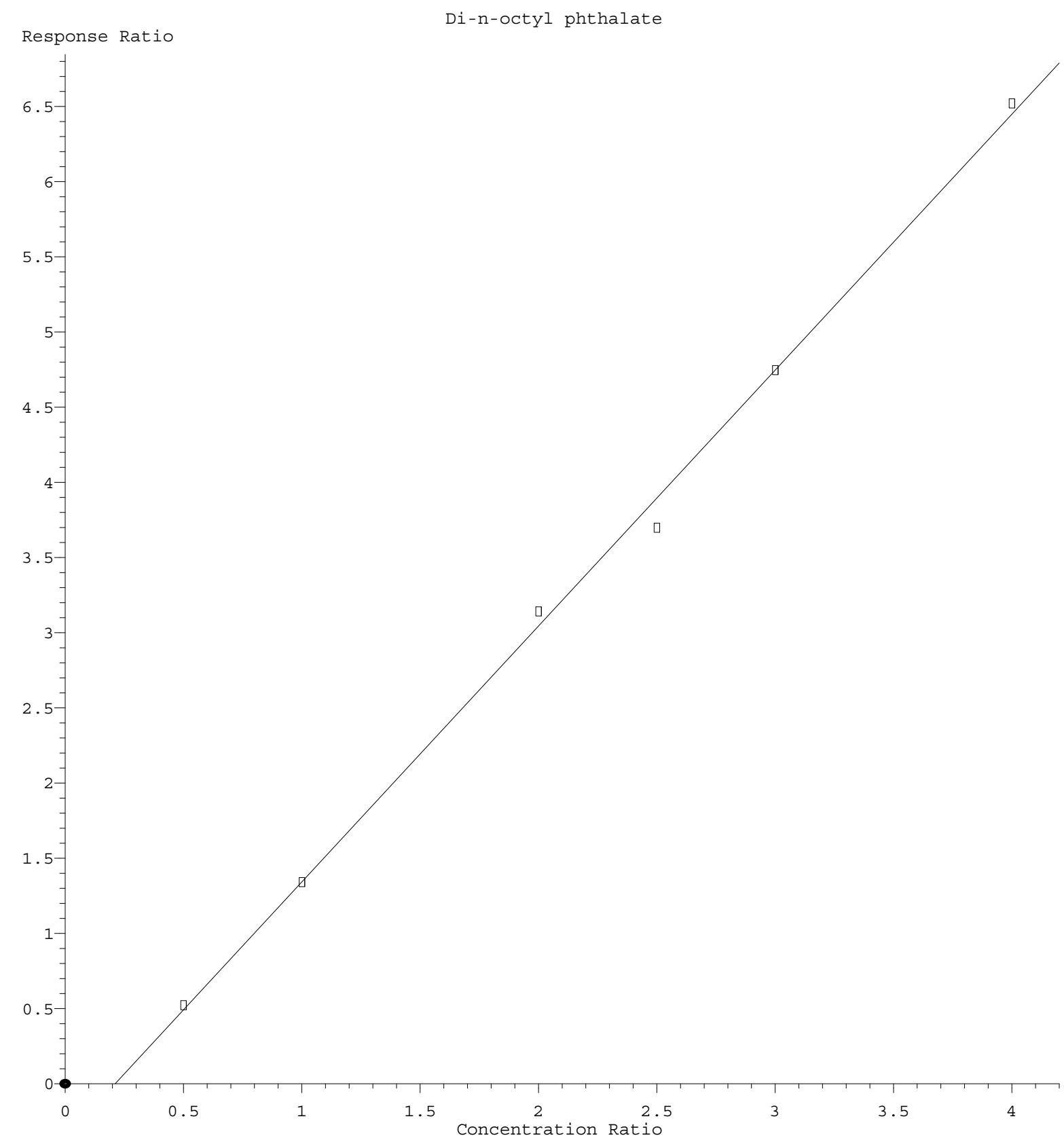
Response = 1.360e+000 * Amt - 1.916e-001
Coef of Det (r^2) = 0.996867 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 6.797e-001 * Amt - 1.107e-001
Coef of Det (r^2) = 0.997760 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 9.686e-001 * Amt - 1.631e-001
Coef of Det (r^2) = 0.997783 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023



Response = 1.702e+000 * Amt - 3.590e-001
Coef of Det (r^2) = 0.997752 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM102123.M
Calibration Table Last Updated: Sat Oct 21 02:32:53 2023