Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 18 01:41:28 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131278.D 5 =BF131279.D 10 =BF131280.D 20 =BF131281.D 40 =BF131282.D 50 =BF131283.D 60 =BF131284.D 80 =BF1312
85.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.540	0.528	0.522	0.511	0.481	0.491	0.463	0.505	5.47
3)		Pyridine		1.453	1.432	1.485	1.431	1.339	1.404	1.309	1.408	4.45
4)		n-Nitrosodimet...		0.888	0.866	0.912	0.892	0.851	0.882	0.824	0.873	3.37
5)	S	2-Fluorophenol		1.099	1.119	1.165	1.119	1.059	1.087	1.002	1.093	4.73
6)		Aniline		1.804	1.795	1.824	1.746	1.653	1.701	1.612	1.734	4.66
7)	S	Phenol-d6		1.439	1.460	1.476	1.401	1.317	1.346	1.257	1.385	5.86
8)		2-Chlorophenol		1.178	1.223	1.286	1.246	1.183	1.229	1.122	1.210	4.42
9)		Benzaldehyde		1.170	1.110	1.068	0.951	0.869	0.866		1.006	12.83
10)	C	Phenol		1.565	1.569	1.631	1.553	1.481	1.517	1.417	1.533	4.53
11)		bis(2-Chloroet...		1.326	1.296	1.319	1.239	1.172	1.177	1.110	1.234	6.77
12)		1,3-Dichlorobe...		1.552	1.551	1.523	1.449	1.343	1.375	1.280	1.439	7.57
13)	C	1,4-Dichlorobe...		1.580	1.565	1.568	1.451	1.384	1.397	1.297	1.463	7.56
14)		1,2-Dichlorobe...		1.507	1.467	1.452	1.362	1.269	1.299	1.177	1.362	8.84
15)		Benzyl Alcohol		1.147	1.189	1.242	1.231	1.166	1.190	1.093	1.180	4.29
16)		2,2'-oxybis(1-...		2.489	2.462	2.514	2.343	2.207	2.271	2.071	2.337	7.03
17)		2-Methylphenol		1.122	1.106	1.113	1.063	1.004	1.035	0.959	1.057	5.83
18)		Hexachloroethane		0.493	0.522	0.540	0.535	0.519	0.535	0.498	0.520	3.60
19)	P	n-Nitroso-di-n...	1.046	1.048	0.995	1.075	1.000	0.948	0.958	0.899	0.996	5.96
20)		3+4-Methylphenols		1.405	1.426	1.454	1.380	1.274	1.305	1.210	1.351	6.61
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.552	0.557	0.550	0.515	0.504	0.524	0.498	0.528	4.58
23)	S	Nitrobenzene-d5			0.302	0.358	0.386	0.382	0.411	0.407	0.374	10.73
24)		Nitrobenzene		0.271	0.333	0.393	0.412	0.404	0.426	0.414	0.379	14.94
25)		Isophorone		0.690	0.720	0.746	0.715	0.692	0.726	0.715	0.715	2.73
26)	C	2-Nitrophenol		0.060	0.079	0.108	0.132	0.139	0.160	0.162	0.120	32.88#
27)		2,4-Dimethylph...		0.256	0.278	0.295	0.284	0.282	0.289	0.283	0.281	4.34
28)		bis(2-Chloroet...		0.409	0.406	0.425	0.395	0.380	0.392	0.388	0.399	3.78
29)	C	2,4-Dichloroph...		0.249	0.280	0.317	0.318	0.313	0.319	0.311	0.301	8.82
30)		1,2,4-Trichlor...		0.376	0.388	0.392	0.372	0.359	0.372	0.357	0.374	3.55
31)		Naphthalene		1.162	1.125	1.125	1.067	1.024	1.069	1.019	1.085	5.02
32)		Benzoic acid			0.098	0.134	0.168	0.183	0.196	0.231	0.168	28.04
33)		4-Chloroaniline		0.419	0.435	0.449	0.425	0.406	0.412	0.403	0.421	3.93
34)	C	Hexachlorobuta...		0.247	0.257	0.258	0.248	0.236	0.246	0.236	0.247	3.59
35)		Caprolactam		0.065	0.075	0.090	0.089	0.088	0.090	0.090	0.084	11.87
36)	C	4-Chloro-3-met...		0.284	0.322	0.342	0.337	0.322	0.335	0.328	0.324	5.91
37)		2-Methylnaphth...		0.754	0.764	0.780	0.721	0.698	0.712	0.688	0.731	4.83
38)		1-Methylnaphth...		0.739	0.748	0.750	0.692	0.674	0.690	0.665	0.708	5.11

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111722.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.687	0.682	0.670	0.645	0.622	0.651	0.625	0.654	3.99
41)	P	Hexachlorocycl...		0.218	0.270	0.296	0.305	0.327		0.283	14.88
42)	S	2,4,6-Tribromo...	0.130	0.152	0.191	0.196	0.185	0.196	0.196	0.178	14.82
43)	C	2,4,6-Trichlor...	0.297	0.340	0.413	0.416	0.409	0.425	0.424	0.389	12.91
44)		2,4,5-Trichlor...	0.324	0.398	0.439	0.450	0.441	0.463	0.452	0.424	11.46
45)	S	2-Fluorobiphenyl	1.539	1.497	1.483	1.353	1.295	1.355	1.279	1.400	7.46
46)		1,1'-Biphenyl	1.636	1.607	1.630	1.497	1.459	1.523	1.460	1.544	5.06
47)		2-Chloronaphth...	1.299	1.283	1.293	1.226	1.165	1.230	1.183	1.240	4.34
48)		2-Nitroaniline	0.186	0.249	0.331	0.391	0.387	0.423	0.430	0.343	27.12
49)		Acenaphthylene	1.970	1.995	2.000	1.868	1.782	1.858	1.788	1.894	4.97
50)		Dimethylphthalate	1.445	1.482	1.563	1.427	1.384	1.427	1.409	1.448	4.09
51)		2,6-Dinitrotol...	0.135	0.170	0.236	0.272	0.268	0.294	0.289	0.238	26.01
52)	C	Acenaphthene	1.201	1.199	1.248	1.158	1.126	1.177	1.164	1.182	3.30
53)		3-Nitroaniline	0.150	0.207	0.267	0.278	0.282	0.289	0.288	0.252	21.10
54)	P	2,4-Dinitrophenol		0.039	0.061	0.083	0.094	0.106	0.120	0.084	35.37
55)		Dibenzofuran	1.811	1.812	1.818	1.678	1.613	1.662	1.602	1.714	5.66
56)	P	4-Nitrophenol		0.131	0.172	0.197	0.206	0.211	0.219	0.189	17.43
57)		2,4-Dinitrotol...	0.140	0.201	0.287	0.326	0.339	0.357	0.365	0.288	29.83
58)		Fluorene	1.440	1.452	1.460	1.319	1.284	1.309	1.262	1.361	6.32
59)		2,3,4,6-Tetrac...	0.268	0.315	0.391	0.391	0.374	0.389	0.385	0.359	13.52
60)		Diethylphthalate	1.327	1.404	1.549	1.377	1.341	1.344	1.329	1.382	5.71
61)		4-Chlorophenyl...	0.750	0.733	0.736	0.675	0.639	0.660	0.637	0.690	7.05
62)		4-Nitroaniline	0.172	0.217	0.278	0.280	0.276	0.283	0.285	0.256	17.24
63)		Azobenzene	1.457	1.482	1.563	1.420	1.363	1.388	1.371	1.435	5.00
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.054	0.073	0.075	0.088	0.094	0.069	33.33
66)	c	n-Nitrosodiphe...	0.659	0.658	0.675	0.638	0.615	0.647	0.620	0.645	3.39
67)		4-Bromophenyl-...	0.236	0.238	0.254	0.244	0.230	0.243	0.236	0.240	3.22
68)		Hexachlorobenzene	0.264	0.261	0.272	0.264	0.245	0.265	0.251	0.260	3.56
69)		Atrazine	0.193	0.215	0.228	0.208	0.200	0.201	0.194	0.206	6.03
70)	C	Pentachlorophenol		0.100	0.135	0.149	0.145	0.153	0.152	0.139	14.69
71)		Phenanthrene	1.166	1.168	1.166	1.105	1.028	1.073	1.036	1.106	5.60
72)		Anthracene	1.120	1.126	1.158	1.084	1.013	1.059	1.010	1.081	5.28
73)		Carbazole	0.943	0.968	0.981	0.904	0.865	0.861	0.842	0.909	6.11
74)		Di-n-butylphth...	0.963	1.104	1.293	1.121	1.086	1.061	1.057	1.098	9.13
75)	C	Fluoranthene	1.216	1.268	1.289	1.125	1.067	1.041	1.028	1.148	9.55
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.536	0.425	0.412	0.535	0.419	0.453	0.386	0.452	13.34
78)		Pyrene	1.816	1.841	1.829	2.018	1.927	2.077	1.961	1.924	5.24
79)	S	Terphenyl-d14	1.285	1.325	1.317	1.394	1.324	1.387	1.335	1.338	2.94
80)		Butylbenzylpht...	0.398	0.474	0.649	0.628	0.636	0.632	0.657	0.582	17.63
81)		Benzo(a)anthra...	1.466	1.434	1.455	1.386	1.356	1.411	1.362	1.410	3.12
82)		3,3'-Dichlorob...	0.318	0.337	0.412	0.389	0.377	0.401	0.386	0.374	9.15
83)		Chrysene	1.379	1.374	1.392	1.341	1.291	1.356	1.306	1.349	2.82
84)		Bis(2-ethylhex...	0.467	0.555	0.817	0.698	0.726	0.716	0.765	0.678	18.14
85)	c	Di-n-octyl pht...		0.598	1.070	0.921	1.014	1.009	1.160	0.962	20.27

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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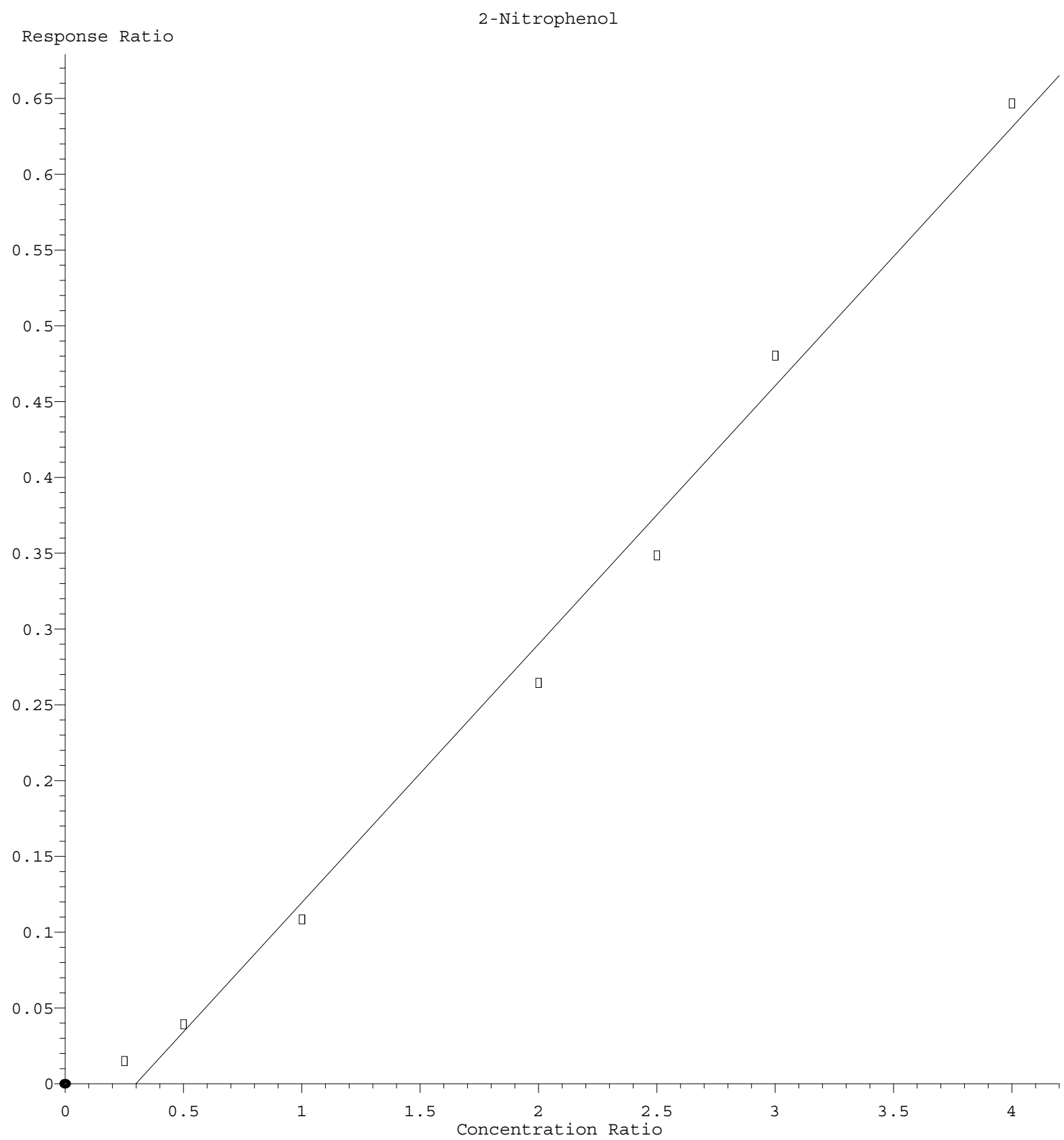
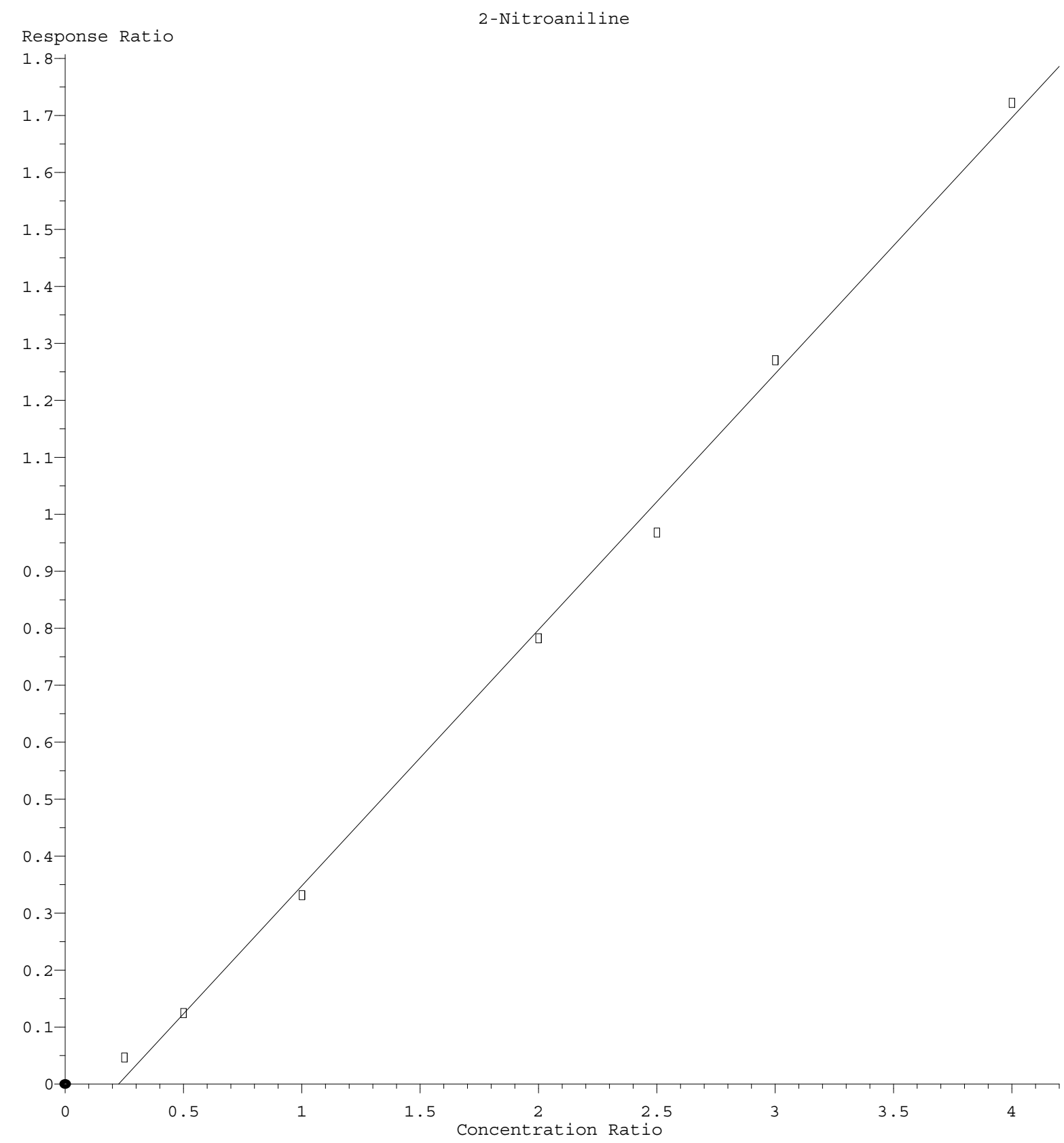
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.075	1.240	1.405	1.722	1.649	1.807	1.720	1.517	18.43
88)		Benzo(b)fluora...	1.324	1.376	1.508	1.344	1.283	1.294	1.295	1.346	5.81
89)		Benzo(k)fluora...	1.440	1.461	1.477	1.362	1.311	1.342	1.238	1.376	6.38
90)	C	Benzo(a)pyrene	1.024	1.078	1.167	1.131	1.079	1.158	1.100	1.105	4.57
91)		Dibenzo(a,h)an...	0.887	1.031	1.179	1.404	1.362	1.454	1.421	1.248	17.68
92)		Benzo(g,h,i)pe...	0.890	1.048	1.153	1.436	1.376	1.497	1.434	1.262	18.43

(#) = Out of Range



Response = 1.706e-001 * Amt - 5.104e-002
Coef of Det (r^2) = 0.991991 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



Response = 4.494e-001 * Amt - 1.014e-001
Coef of Det (r^2) = 0.997449 Curve Fit: Linear
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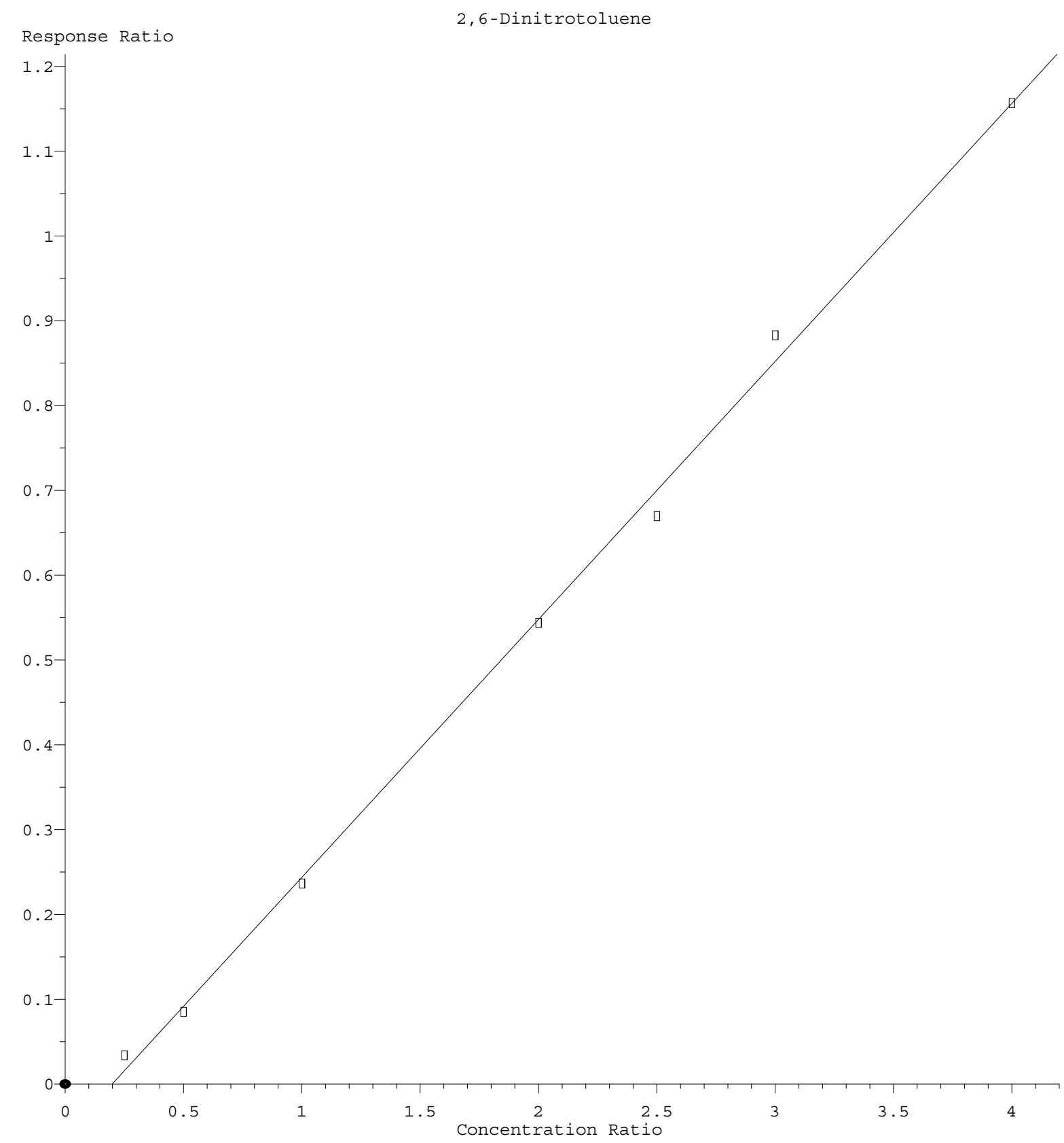
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



Response = 3.044e-001 * Amt - 6.061e-002
Coef of Det (r^2) = 0.997831 Curve Fit: Linear
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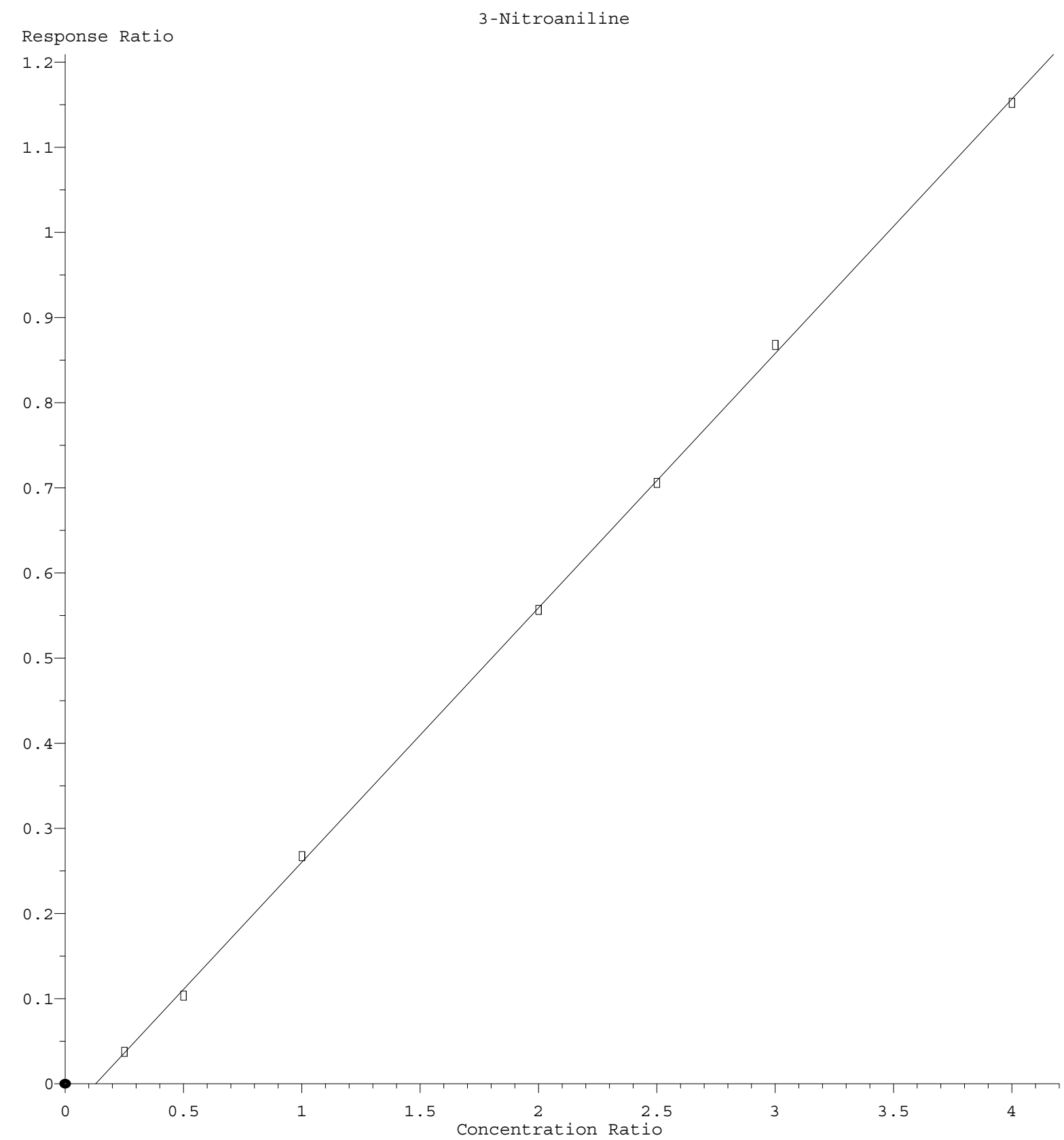
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



Response = 2.989e-001 * Amt - 3.856e-002
Coef of Det (r^2) = 0.999768 Curve Fit: Linear
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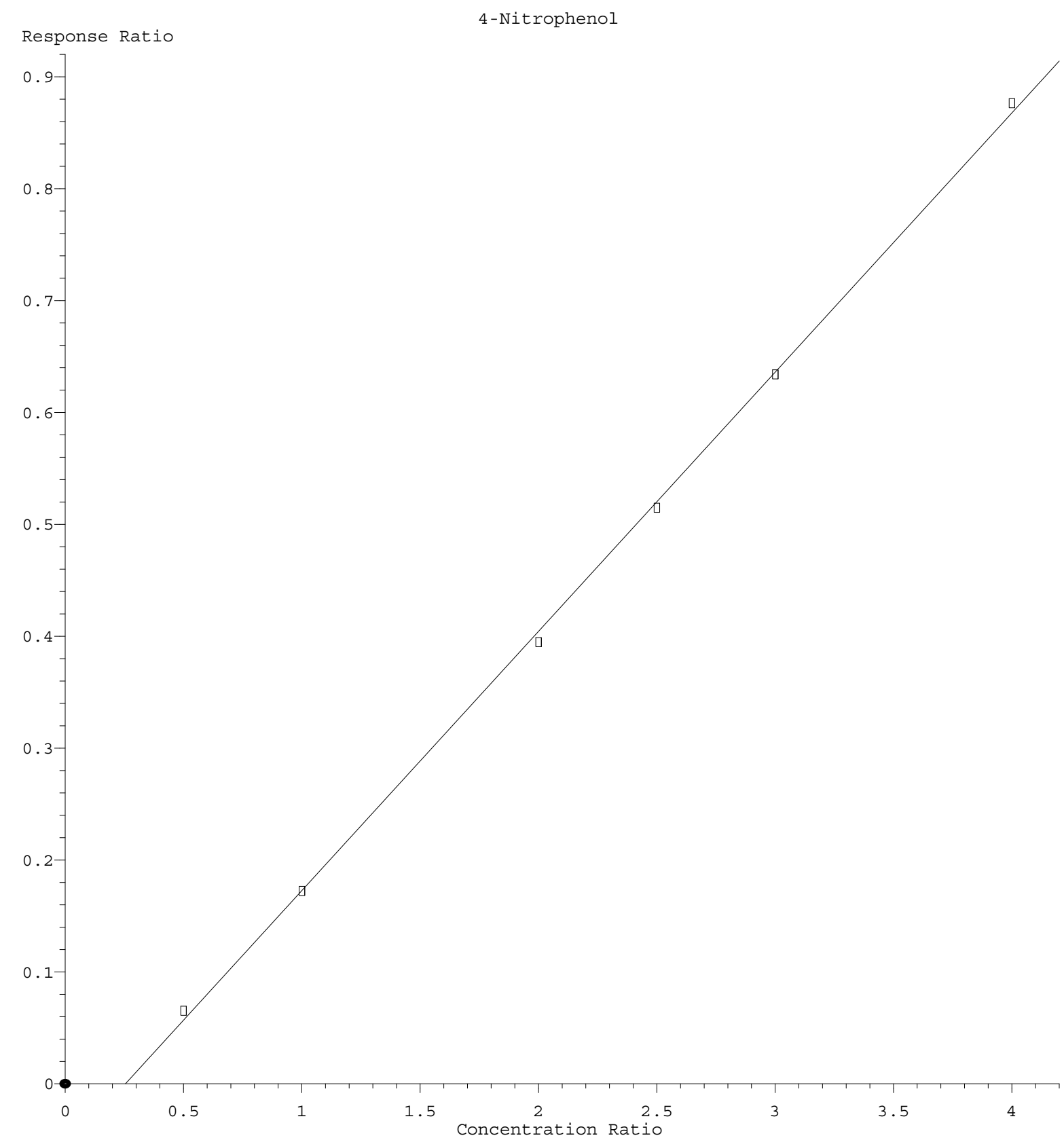
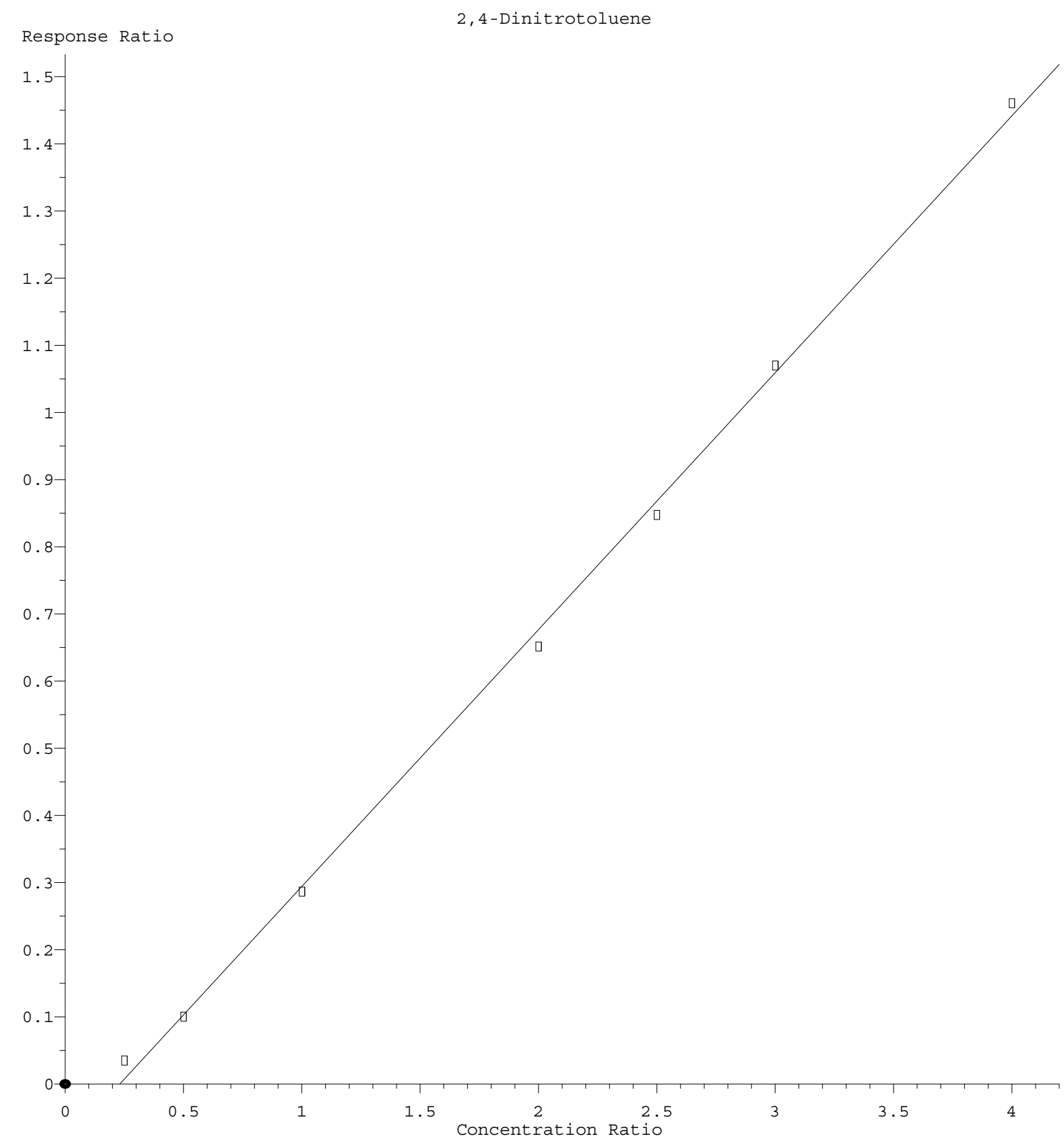
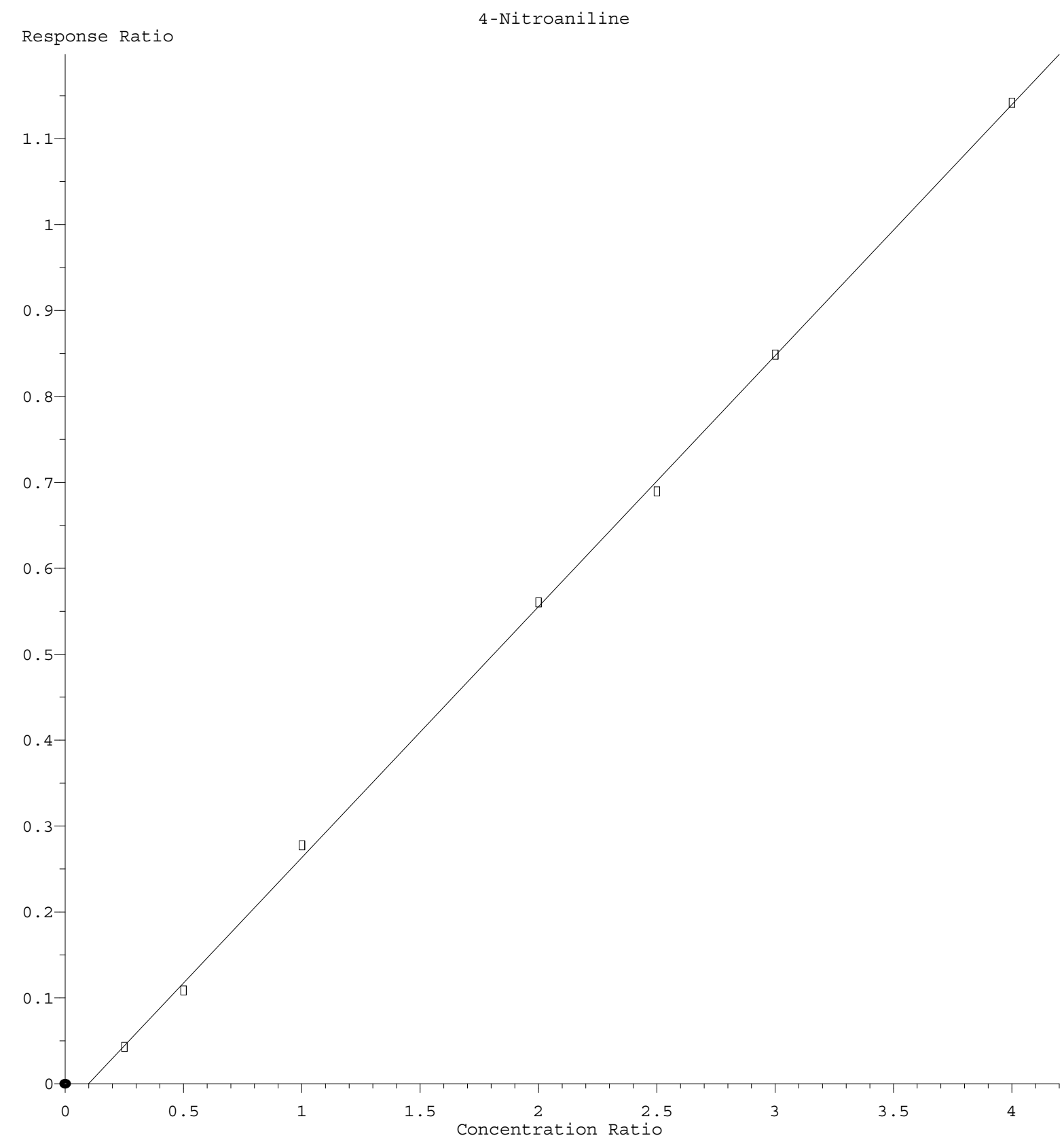
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



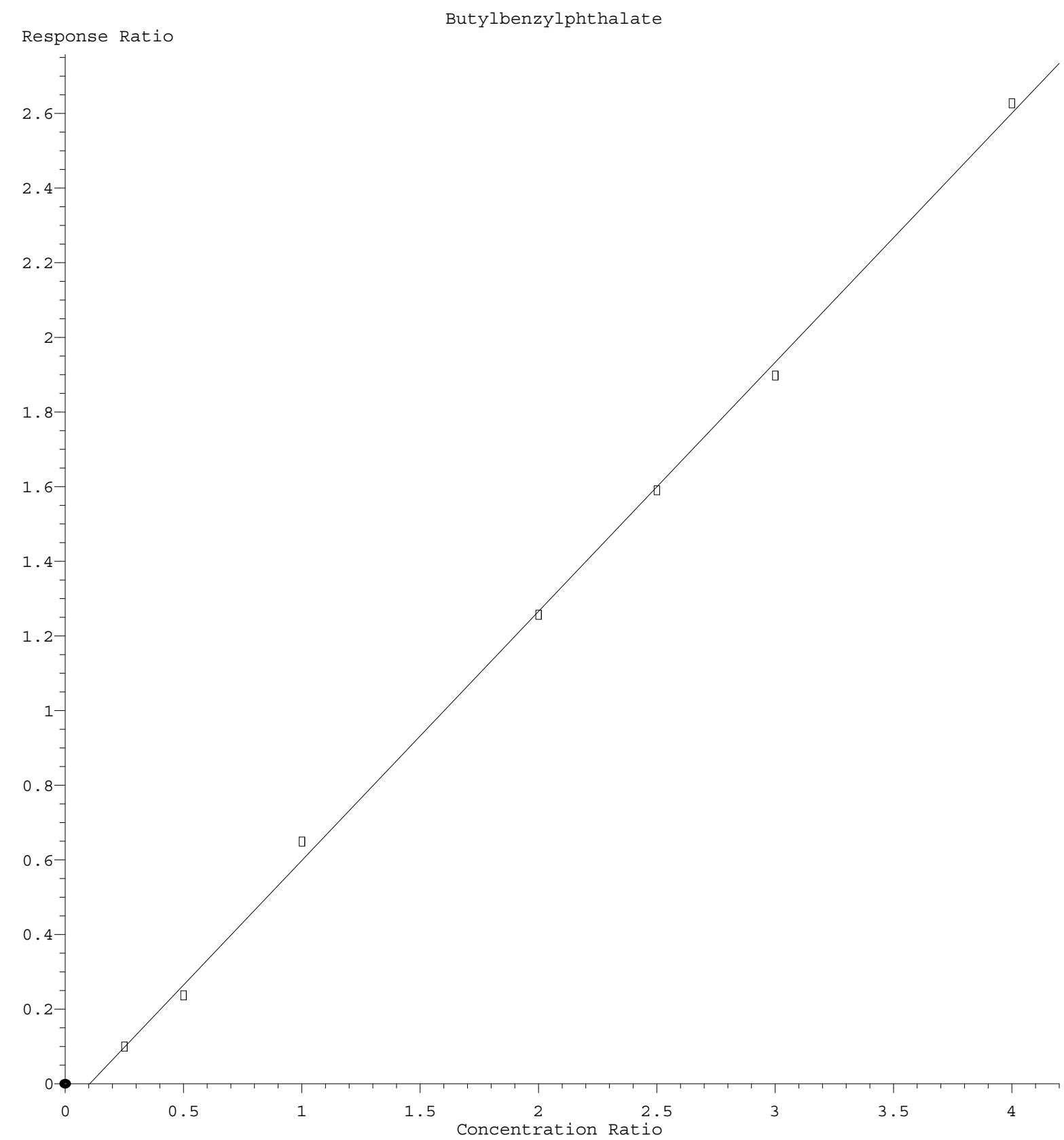
Response = 2.317e-001 * Amt - 5.914e-002
Coef of Det (r^2) = 0.999388 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



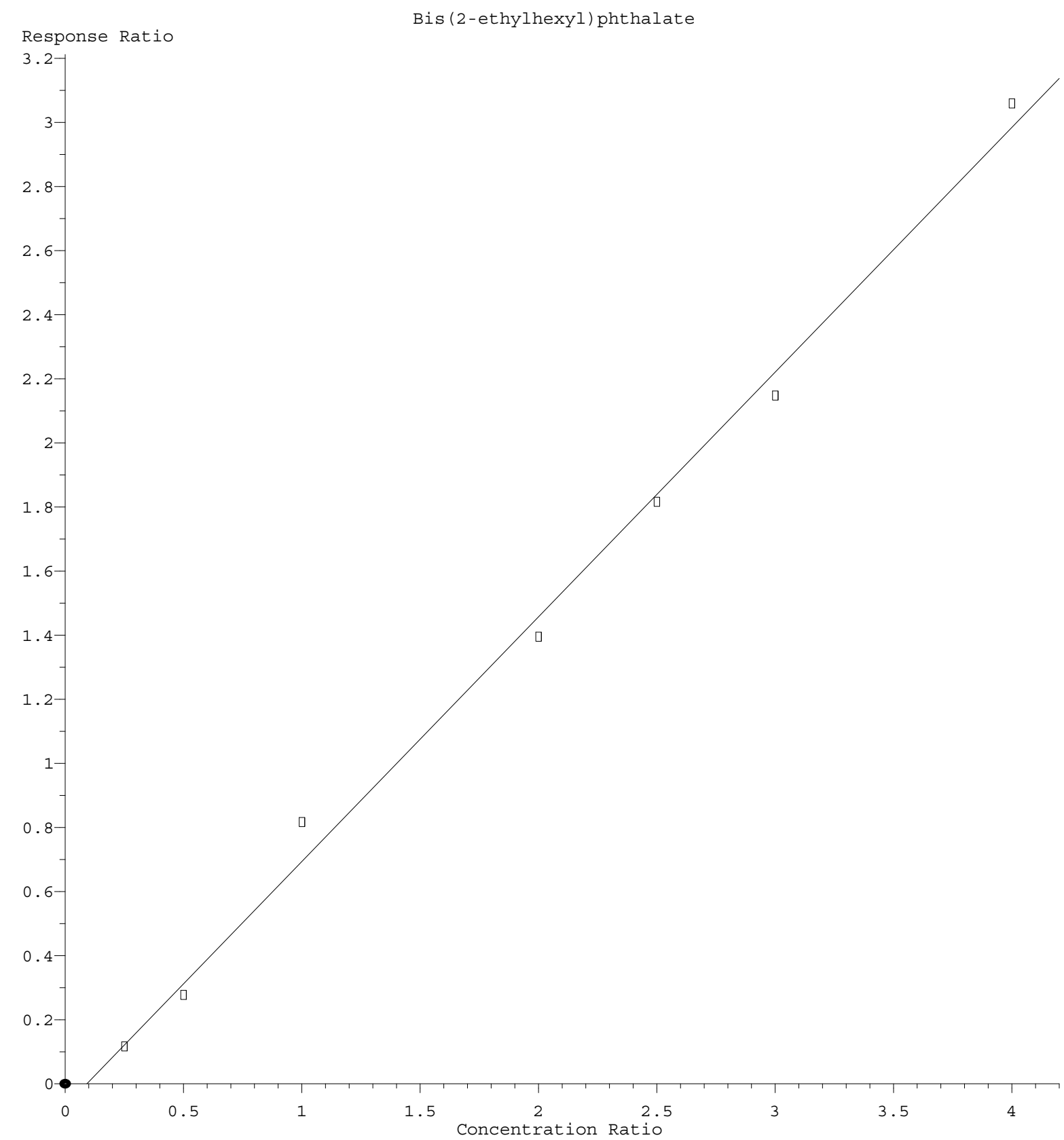
Response = 3.826e-001 * Amt - 8.832e-002
Coef of Det (r^2) = 0.998601 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



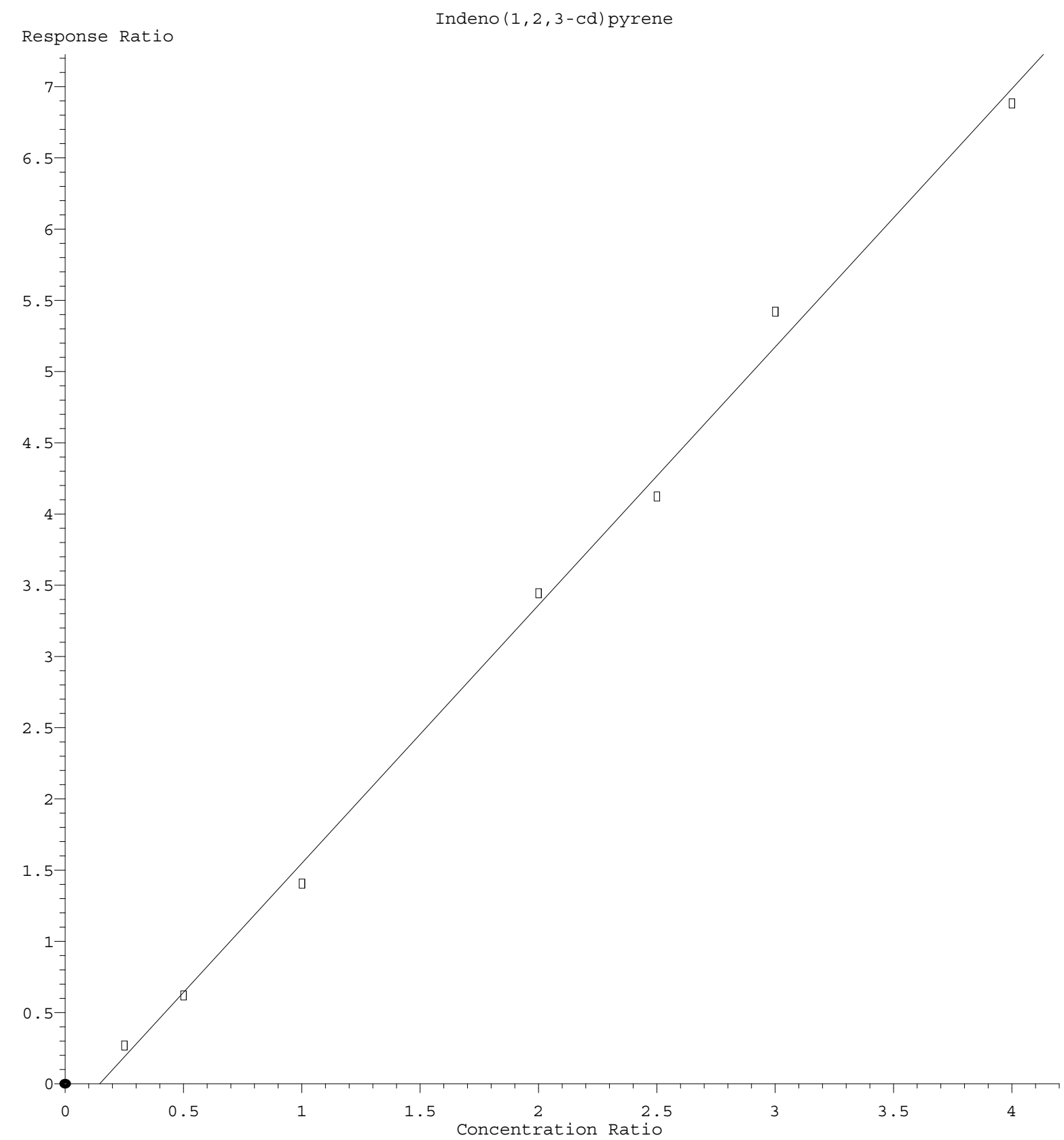
Response = 2.921e-001 * Amt - 2.883e-002
Coef of Det (r^2) = 0.999539 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



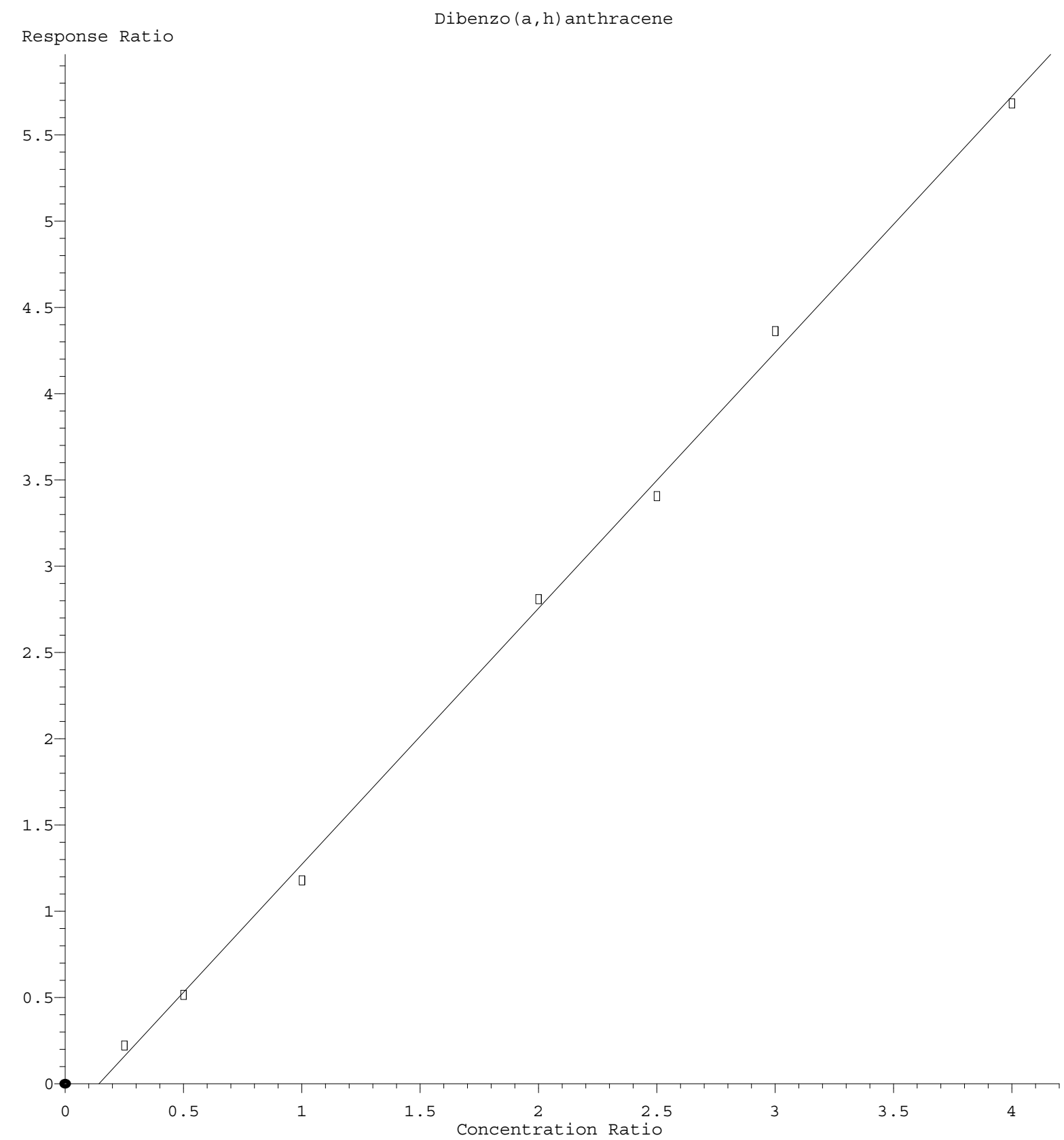
Response = 6.674e-001 * Amt - 6.954e-002
Coef of Det (r^2) = 0.998932 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



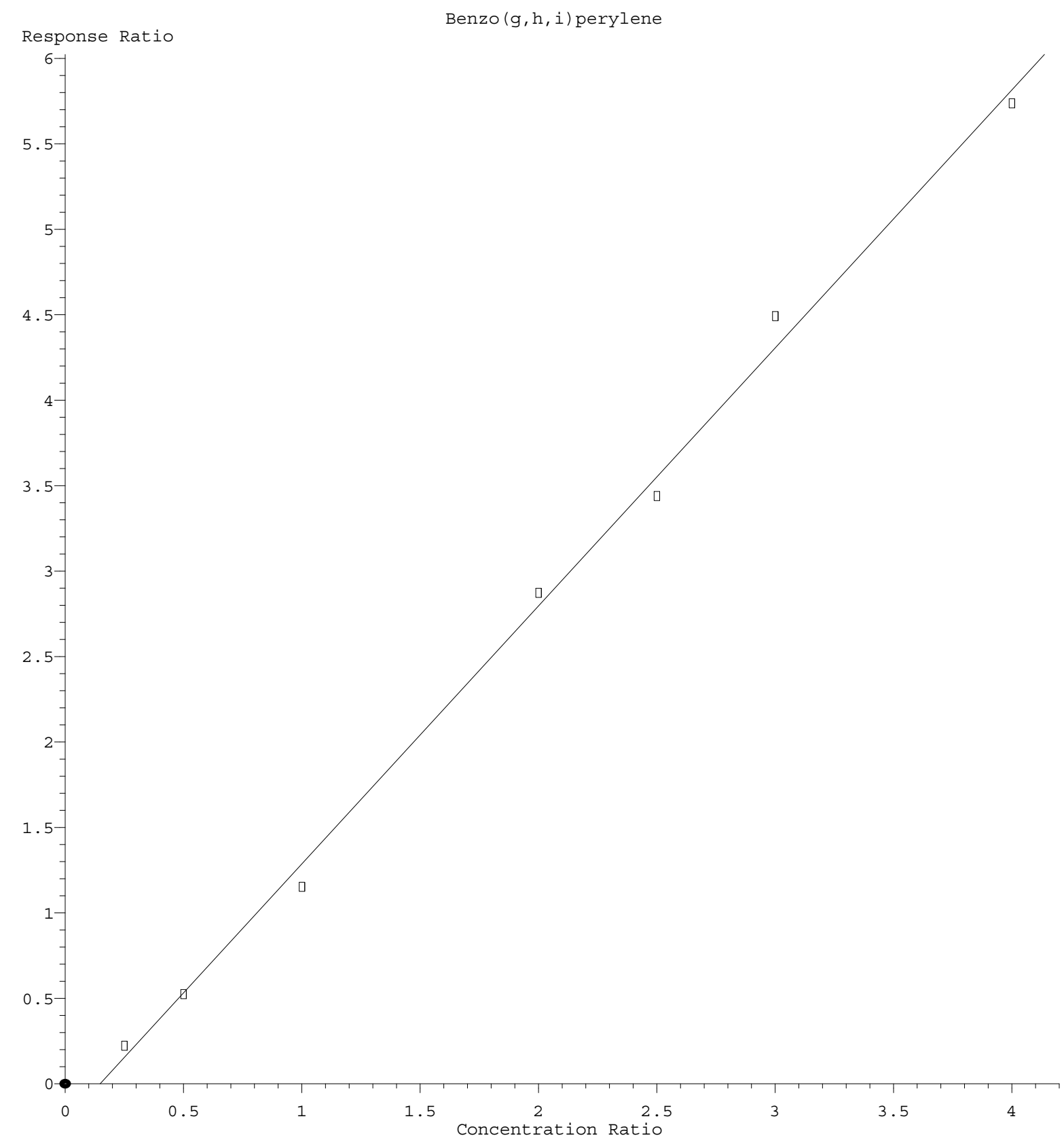
Response = 7.637e-001 * Amt - 7.000e-002
Coef of Det (r^2) = 0.995294 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



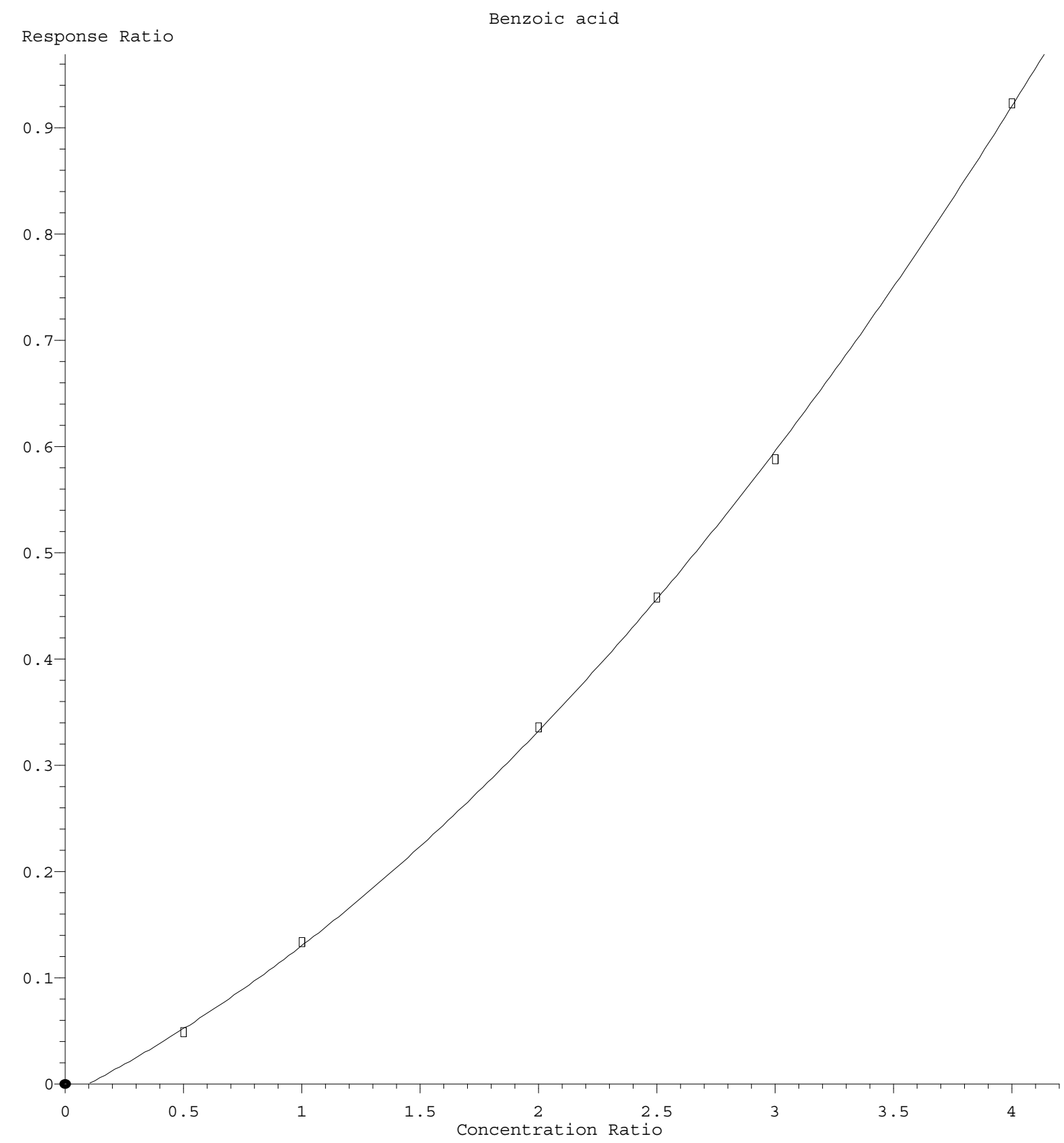
Response = 1.813e+000 * Amt - 2.654e-001
Coef of Det (r^2) = 0.996655 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



Response = 1.484e+000 * Amt - 2.122e-001
Coef of Det (r^2) = 0.998388 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022

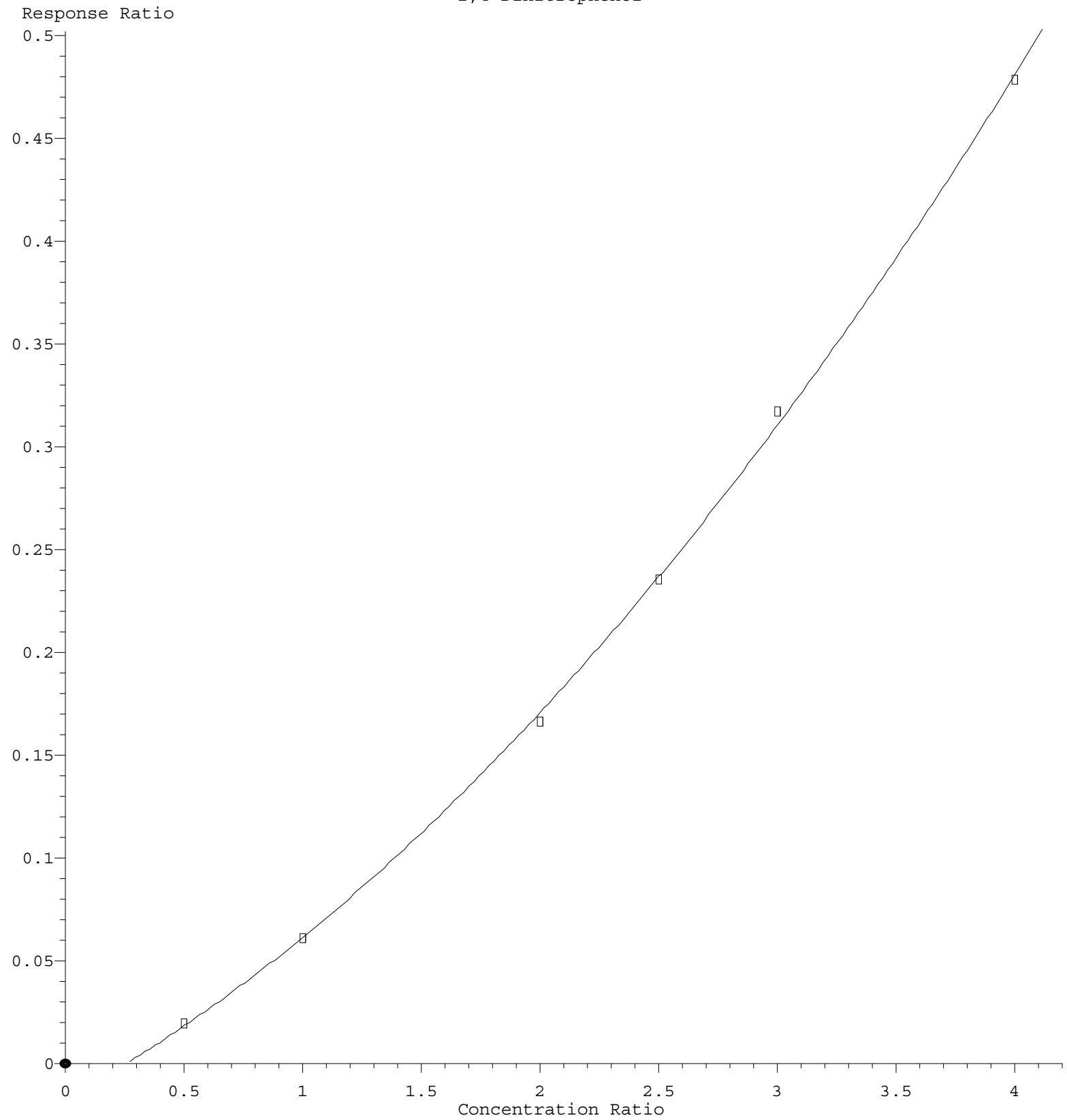


Response = 1.510e+000 * Amt - 2.231e-001
Coef of Det (r^2) = 0.996881 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



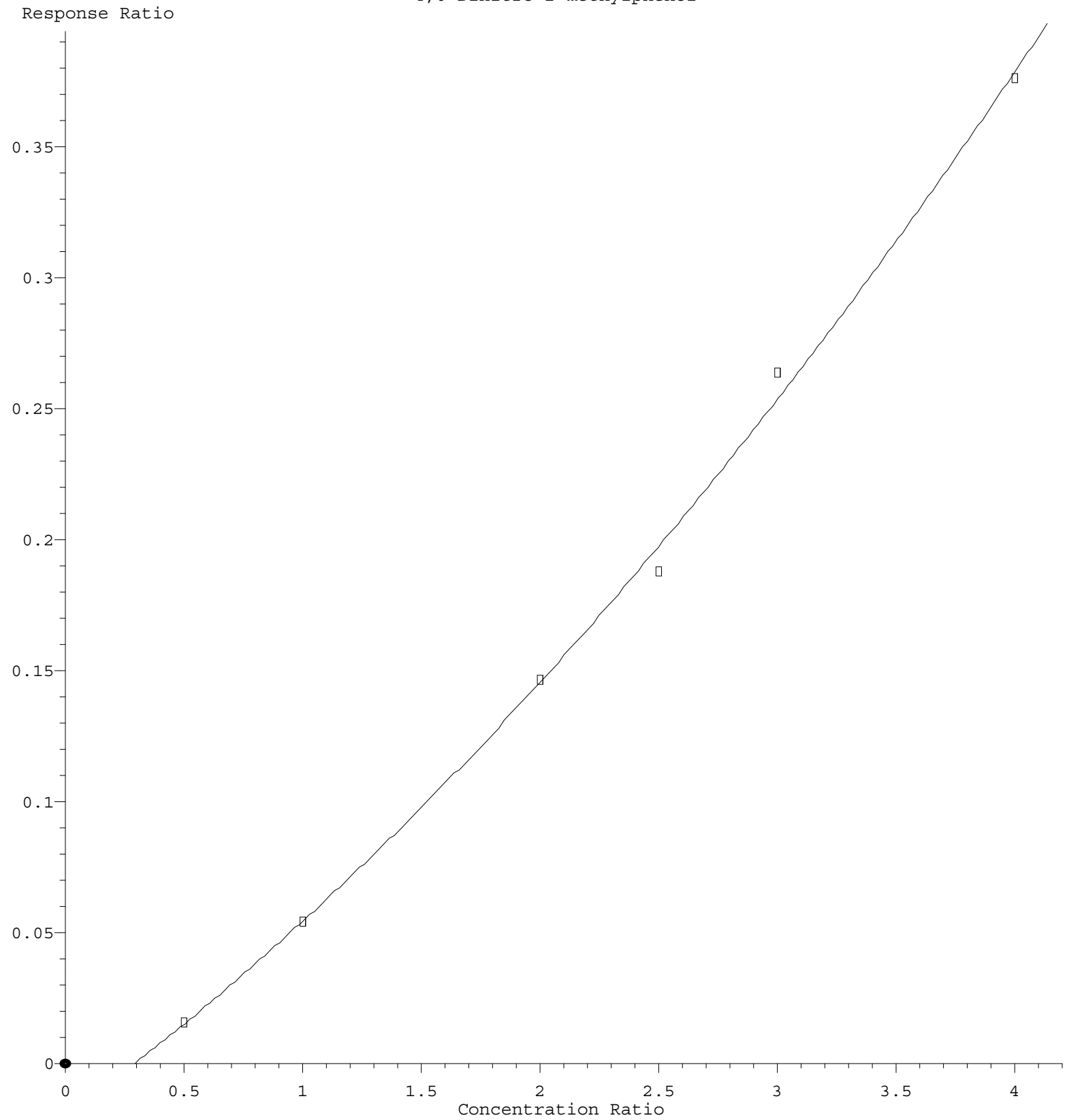
R = 3.056e-002 A*A + 1.105e-001 A - 1.097e-002
Coef of Det (r^2) = 0.999802 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022

2,4-Dinitrophenol

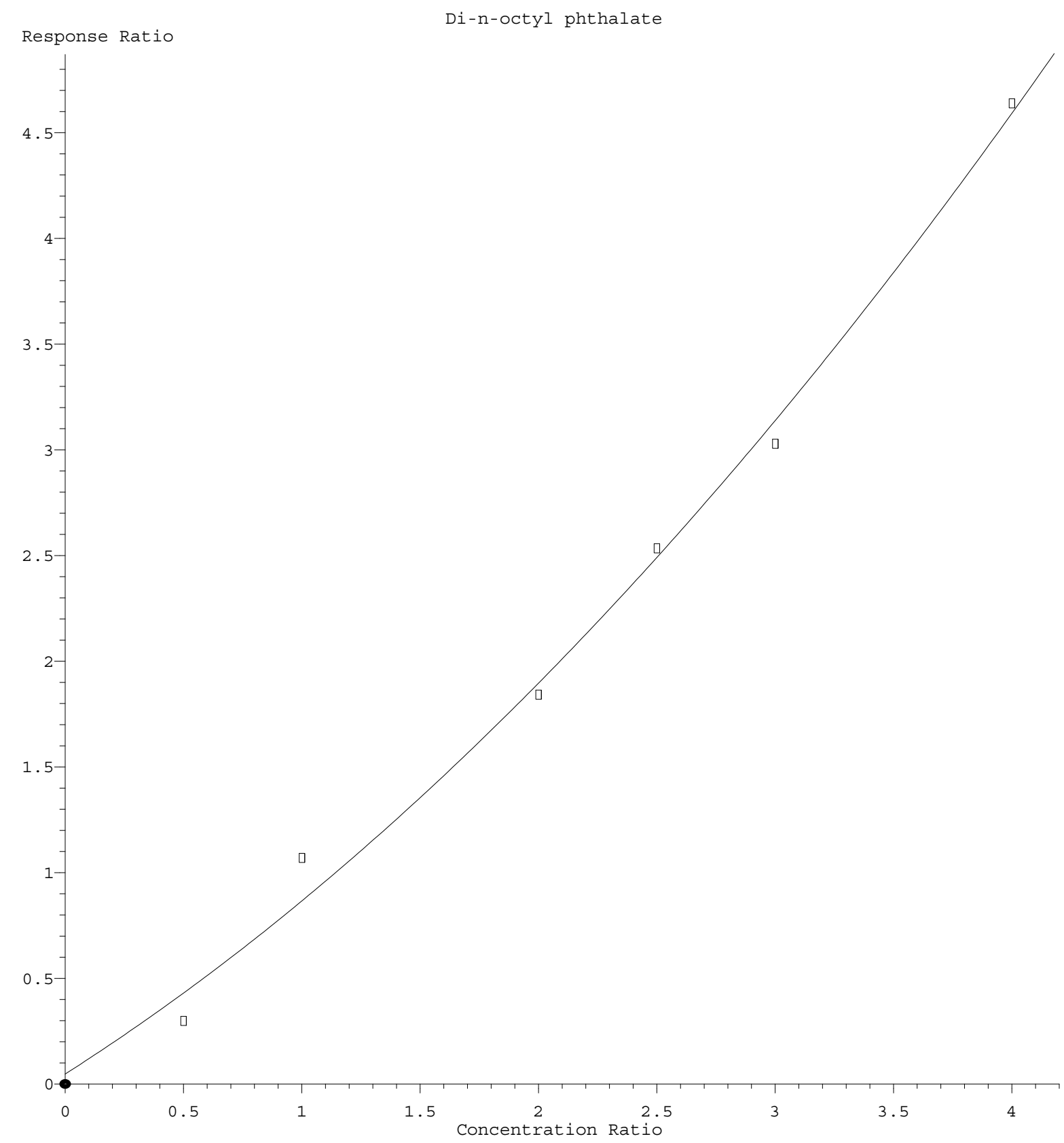


R = 1.529e-002 A*A + 6.335e-002 A - 1.728e-002
Coef of Det (r^2) = 0.999498 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022

4,6-Dinitro-2-methylphenol



R = 8.448e-003 A*A + 6.582e-002 A - 1.996e-002
Coef of Det (r^2) = 0.997740 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
Calibration Table Last Updated: Fri Nov 18 01:41:28 2022



R = 1.058e-001 A*A + 7.128e-001 A + 4.708e-002
Coef of Det (r^2) = 0.993381 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF111722.M
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