Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP021623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 17 01:08:52 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP013822.D 5 =BP013823.D 10 =BP013824.D 20 =BP013825.D 40 =BP013826.D 50 =BP013827.D 60 =BP013828.D 80 =BP0138
29.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.534	0.553	0.539	0.498	0.505	0.552	0.512	0.527	4.28
3)		Pyridine		1.210	1.473	1.539	1.391	1.380	1.513	1.447	1.422	7.75
4)		n-Nitrosodimet...		0.452	0.565	0.572	0.518	0.523	0.556	0.545	0.533	7.72
5)	S	2-Fluorophenol		1.117	1.225	1.351	1.212	1.222	1.205	1.164	1.214	5.92
6)		Aniline		1.840	1.919	2.351	2.102	1.998	2.062	1.863	2.019	8.70
7)	S	Phenol-d6		1.402	1.517	1.681	1.630	1.580	1.567	1.503	1.554	5.87
8)		2-Chlorophenol		1.242	1.269	1.448	1.270	1.290	1.247	1.194	1.280	6.25
9)		Benzaldehyde		0.816	0.839	0.784	0.712	0.690	0.693	0.642	0.739	9.97
10)	C	Phenol		1.484	1.569	1.762	1.689	1.644	1.670	1.507	1.618	6.28
11)		bis(2-Chloroet...		1.292	1.281	1.514	1.240	1.280	1.304	1.152	1.295	8.46
12)		1,3-Dichlorobe...		1.424	1.462	1.487	1.485	1.410	1.457	1.349	1.439	3.40
13)	C	1,4-Dichlorobe...		1.489	1.459	1.550	1.444	1.428	1.457	1.349	1.454	4.19
14)		1,2-Dichlorobe...		1.300	1.418	1.602	1.397	1.372	1.169	1.242	1.357	10.31
15)		Benzyl Alcohol		0.923	1.020	1.266	1.172	1.143	0.993	1.114	1.090	10.80
16)		2,2'-oxybis(1-...		1.383	1.409	1.610	1.478	1.415	1.162	1.224	1.383	10.89
17)		2-Methylphenol		0.944	1.056	1.348	1.194	1.175	0.975	1.014	1.101	13.14
18)		Hexachloroethane		0.488	0.501	0.564	0.527	0.518	0.489	0.479	0.509	5.77
19)	P	n-Nitroso-di-n...	0.755	0.818	0.865	1.149	1.020	0.974	0.817	0.878	0.910	14.26
20)		3+4-Methylphenols		1.271	1.405	1.823	1.613	1.581	1.281	1.397	1.482	13.55
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.475	0.424	0.581	0.544	0.538	0.463	0.506	0.504	10.73
23)	S	Nitrobenzene-d5		0.306	0.284	0.402	0.395	0.399	0.410	0.397	0.370	14.05
24)		Nitrobenzene		0.331	0.298	0.408	0.417	0.415	0.427	0.408	0.387	13.02
25)		Isophorone		0.613	0.567	0.790	0.764	0.754	0.753	0.754	0.714	12.11
26)	C	2-Nitrophenol		0.111	0.119	0.169	0.182	0.187	0.178	0.188	0.162	20.22
27)		2,4-Dimethylph...		0.257	0.263	0.313	0.325	0.322	0.303	0.307	0.298	9.25
28)		bis(2-Chloroet...		0.423	0.416	0.500	0.478	0.464	0.467	0.441	0.456	6.66
29)	C	2,4-Dichloroph...		0.253	0.273	0.344	0.345	0.343	0.341	0.343	0.320	12.39
30)		1,2,4-Trichlor...		0.360	0.360	0.392	0.382	0.375	0.382	0.379	0.376	3.18
31)		Naphthalene		1.046	1.063	1.175	1.110	1.088	1.110	1.084	1.097	3.79
32)		Benzoic acid			0.132	0.205	0.227	0.233	0.238	0.249	0.214	20.01
33)		4-Chloroaniline		0.374	0.402	0.510	0.487	0.477	0.499	0.474	0.460	11.17
34)	C	Hexachlorobuta...		0.238	0.235	0.260	0.251	0.246	0.265	0.253	0.250	4.38
35)		Caprolactam			0.072	0.107	0.106	0.107	0.113	0.108	0.102	14.48
36)	C	4-Chloro-3-met...		0.289	0.309	0.393	0.375	0.371	0.389	0.371	0.357	11.45
37)		2-Methylnaphth...		0.755	0.744	0.859	0.807	0.788	0.827	0.777	0.794	5.10
38)		1-Methylnaphth...		0.706	0.694	0.810	0.753	0.735	0.775	0.726	0.743	5.42

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.674	0.708	0.748	0.727	0.715	0.741	0.734	0.721	3.47
41)	P	Hexachlorocycl...	0.296	0.321	0.381	0.405	0.406	0.428	0.446	0.383	14.47
42)	S	2,4,6-Tribromo...	0.237	0.258	0.315	0.307	0.297	0.314	0.310	0.291	10.66
43)	C	2,4,6-Trichlor...	0.349	0.403	0.479	0.480	0.470	0.491	0.486	0.451	11.92
44)		2,4,5-Trichlor...	0.431	0.489	0.573	0.561	0.553	0.577	0.571	0.536	10.33
45)	S	2-Fluorobiphenyl	1.493	1.548	1.619	1.523	1.469	1.531	1.477	1.523	3.37
46)		1,1'-Biphenyl	1.559	1.602	1.710	1.626	1.586	1.634	1.598	1.617	2.99
47)		2-Chloronaphth...	1.146	1.218	1.296	1.249	1.221	1.258	1.231	1.232	3.74
48)		2-Nitroaniline	0.188	0.234	0.320	0.339	0.345	0.359	0.361	0.307	22.17
49)		Acenaphthylene	1.680	1.811	2.075	2.016	1.982	2.034	1.991	1.941	7.32
50)		Dimethylphthalate	1.504	1.513	1.760	1.674	1.616	1.685	1.640	1.627	5.69
51)		2,6-Dinitrotol...	0.220	0.264	0.355	0.356	0.351	0.361	0.361	0.324	17.75
52)	C	Acenaphthene	1.120	1.093	1.275	1.220	1.186	1.216	1.158	1.181	5.32
53)		3-Nitroaniline	0.227	0.265	0.363	0.368	0.373	0.382	0.371	0.335	18.59
54)	P	2,4-Dinitrophenol		0.123	0.192	0.215	0.218	0.228	0.236	0.202	20.62
55)		Dibenzofuran	1.895	1.870	2.134	2.004	1.949	2.006	1.901	1.966	4.65
56)	P	4-Nitrophenol		0.208	0.299	0.306	0.310	0.313	0.310	0.291	14.10
57)		2,4-Dinitrotol...	0.272	0.325	0.465	0.477	0.478	0.500	0.479	0.428	21.07
58)		Fluorene	1.472	1.493	1.681	1.567	1.514	1.562	1.500	1.541	4.59
59)		2,3,4,6-Tetrac...	0.400	0.409	0.498	0.482	0.473	0.492	0.477	0.462	8.69
60)		Diethylphthalate	1.423	1.476	1.724	1.643	1.583	1.661	1.599	1.587	6.65
61)		4-Chlorophenyl...	0.802	0.805	0.900	0.853	0.816	0.849	0.820	0.835	4.18
62)		4-Nitroaniline	0.214	0.255	0.371	0.376	0.377	0.393	0.387	0.339	21.40
63)		Azobenzene	1.194	1.330	1.597	1.520	1.468	1.521	1.421	1.436	9.49
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.126	0.135	0.138	0.144	0.149	0.130	16.93
66)	c	n-Nitrosodiphe...	0.542	0.569	0.657	0.619	0.615	0.619	0.620	0.606	6.28
67)		4-Bromophenyl-...	0.213	0.220	0.249	0.242	0.237	0.247	0.246	0.236	6.05
68)		Hexachlorobenzene	0.239	0.244	0.273	0.259	0.256	0.266	0.267	0.258	4.82
69)		Atrazine	0.167	0.184	0.220	0.216	0.213	0.224	0.221	0.207	10.57
70)	C	Pentachlorophenol	0.144	0.164	0.199	0.202	0.202	0.209	0.210	0.190	13.44
71)		Phenanthrene	1.078	1.077	1.202	1.129	1.116	1.139	1.103	1.120	3.86
72)		Anthracene	0.991	1.054	1.216	1.157	1.139	1.158	1.127	1.120	6.66
73)		Carbazole	0.874	0.950	1.099	1.042	1.025	1.058	1.013	1.009	7.42
74)		Di-n-butylphth...	0.974	1.050	1.269	1.254	1.222	1.292	1.209	1.182	10.24
75)	C	Fluoranthene	1.292	1.318	1.500	1.414	1.397	1.437	1.419	1.397	5.09
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.279	0.373	0.389	0.444	0.427	0.400	0.386	15.10
78)		Pyrene	1.210	1.276	1.474	1.433	1.395	1.421	1.360	1.367	6.85
79)	S	Terphenyl-d14	0.989	1.012	1.129	1.063	1.026	1.047	1.009	1.040	4.49
80)		Butylbenzylpht...	0.370	0.400	0.509	0.528	0.522	0.538	0.533	0.486	14.42
81)		Benzo(a)anthra...	1.300	1.348	1.543	1.479	1.445	1.469	1.441	1.432	5.74
82)		3,3'-Dichlorob...	0.351	0.392	0.481	0.485	0.478	0.488	0.480	0.451	12.33
83)		Chrysene	1.320	1.321	1.491	1.422	1.392	1.410	1.356	1.387	4.40
84)		Bis(2-ethylhex...	0.564	0.638	0.804	0.826	0.808	0.840	0.822	0.757	14.47
85)	c	Di-n-octyl pht...		1.056	1.335	1.412	1.403	1.459	1.433	1.350	11.08

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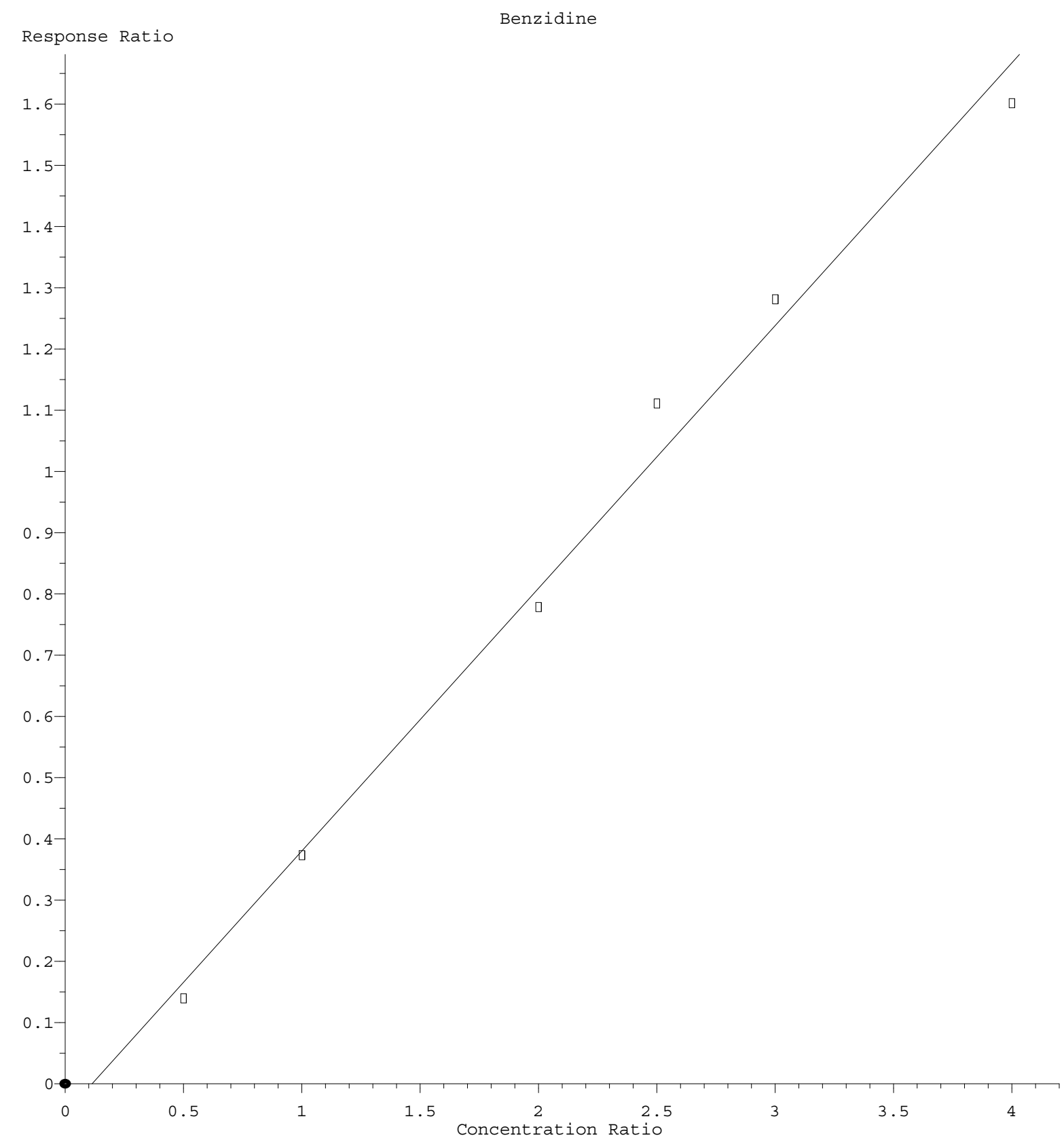
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.472	1.646	1.601	1.595	1.619	1.589	1.556	6.40
88)		Benzo(b)fluora...	1.141	1.176	1.341	1.293	1.277	1.337	1.289	1.265	6.12
89)		Benzo(k)fluora...	1.164	1.211	1.383	1.359	1.282	1.301	1.287	1.284	6.00
90)	C	Benzo(a)pyrene	1.067	1.108	1.301	1.279	1.253	1.288	1.265	1.223	7.74
91)		Dibenzo(a,h)an...	1.167	1.237	1.395	1.338	1.329	1.344	1.314	1.304	5.86
92)		Benzo(g,h,i)pe...	1.139	1.202	1.363	1.328	1.328	1.340	1.323	1.289	6.51

(#) = Out of Range



Response = 4.291e-001 * Amt - 4.898e-002
Coef of Det (r^2) = 0.990017 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021623.M
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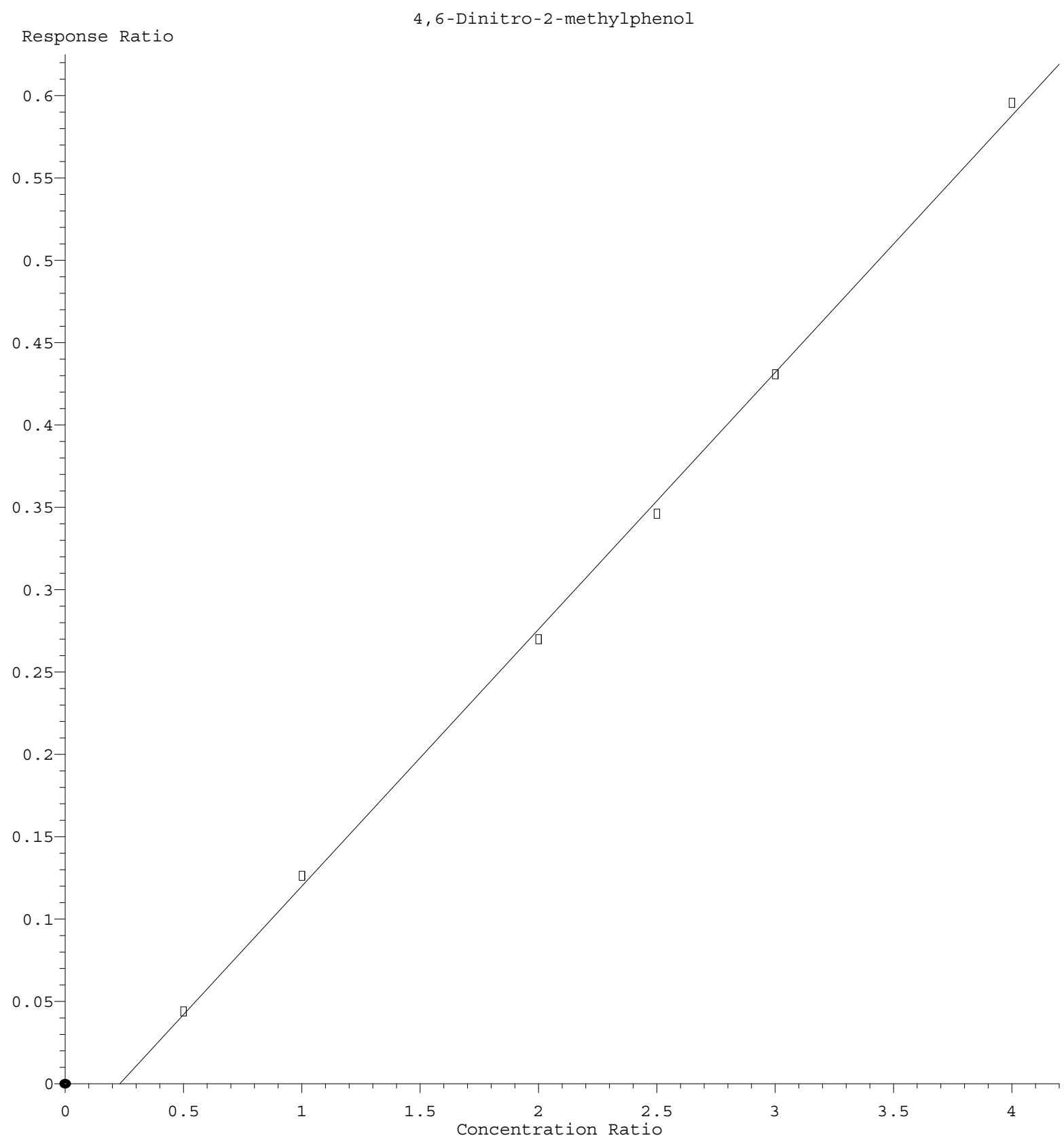

Response = 1.561e-001 * Amt - 3.609e-002
Coef of Det (r^2) = 0.999011 Curve Fit: Linear
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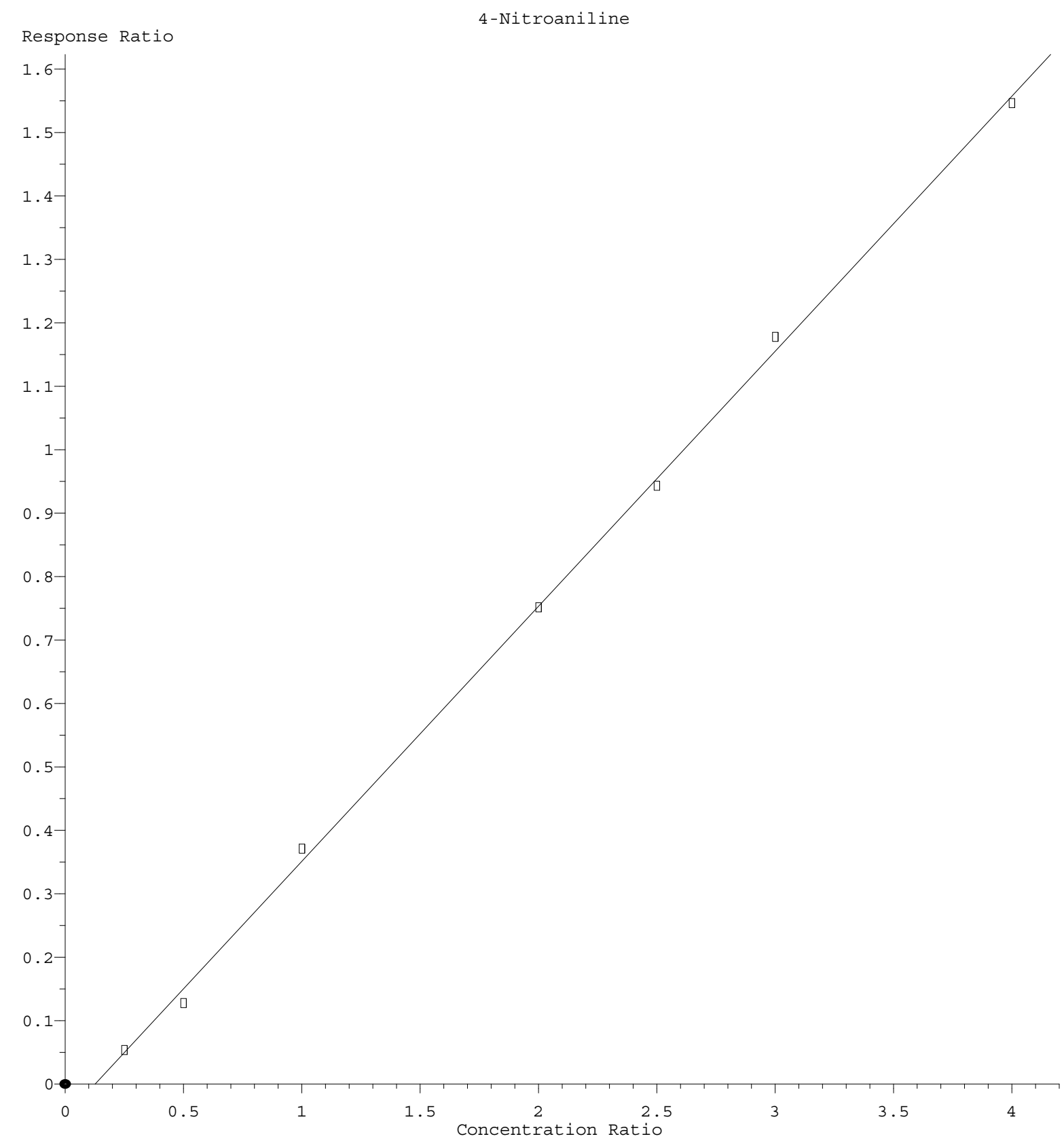

Response = 4.022e-001 * Amt - 5.123e-002
Coef of Det (r^2) = 0.999100 Curve Fit: Linear
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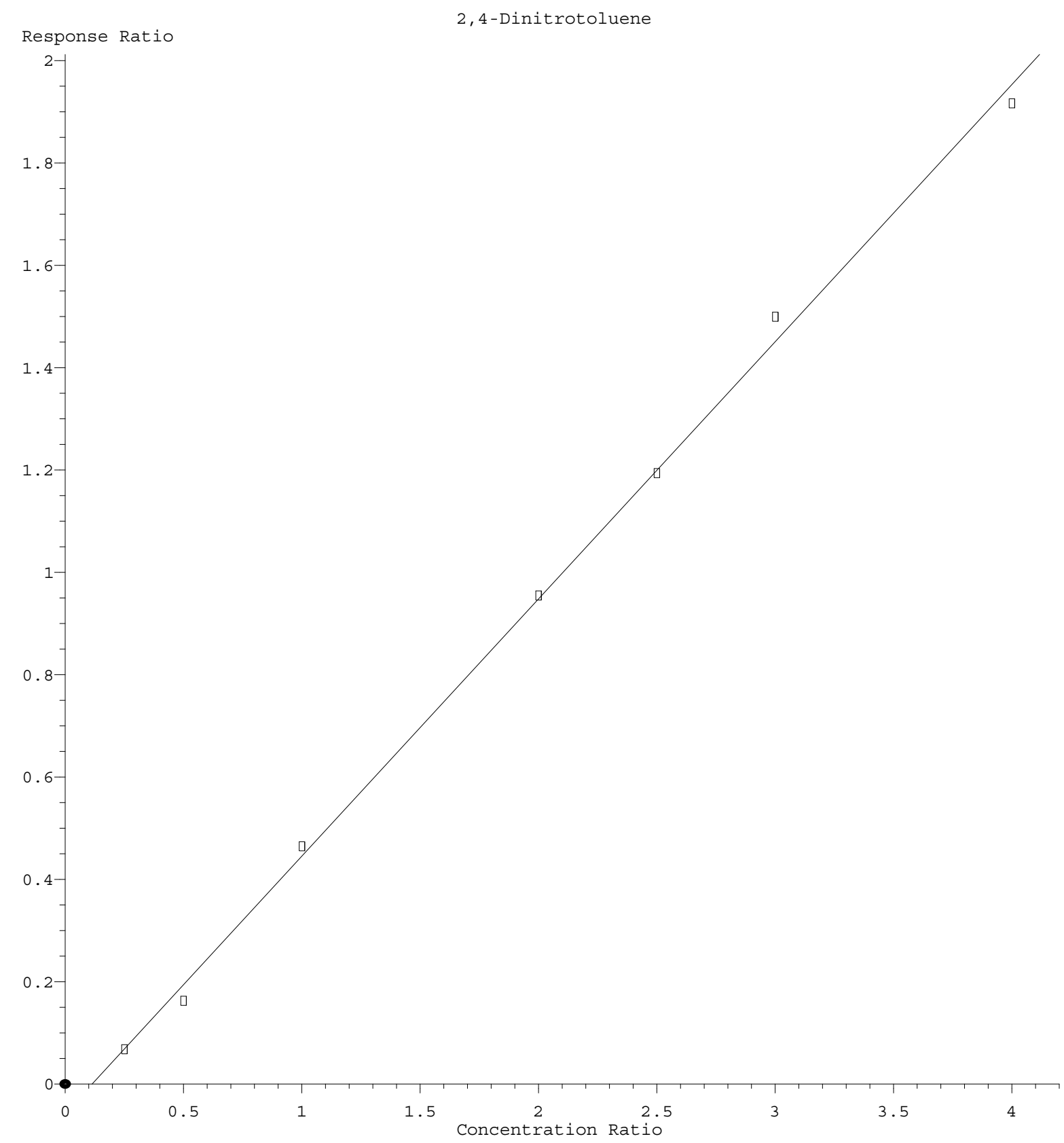

Response = 5.027e-001 * Amt - 5.733e-002
Coef of Det (r^2) = 0.998231 Curve Fit: Linear
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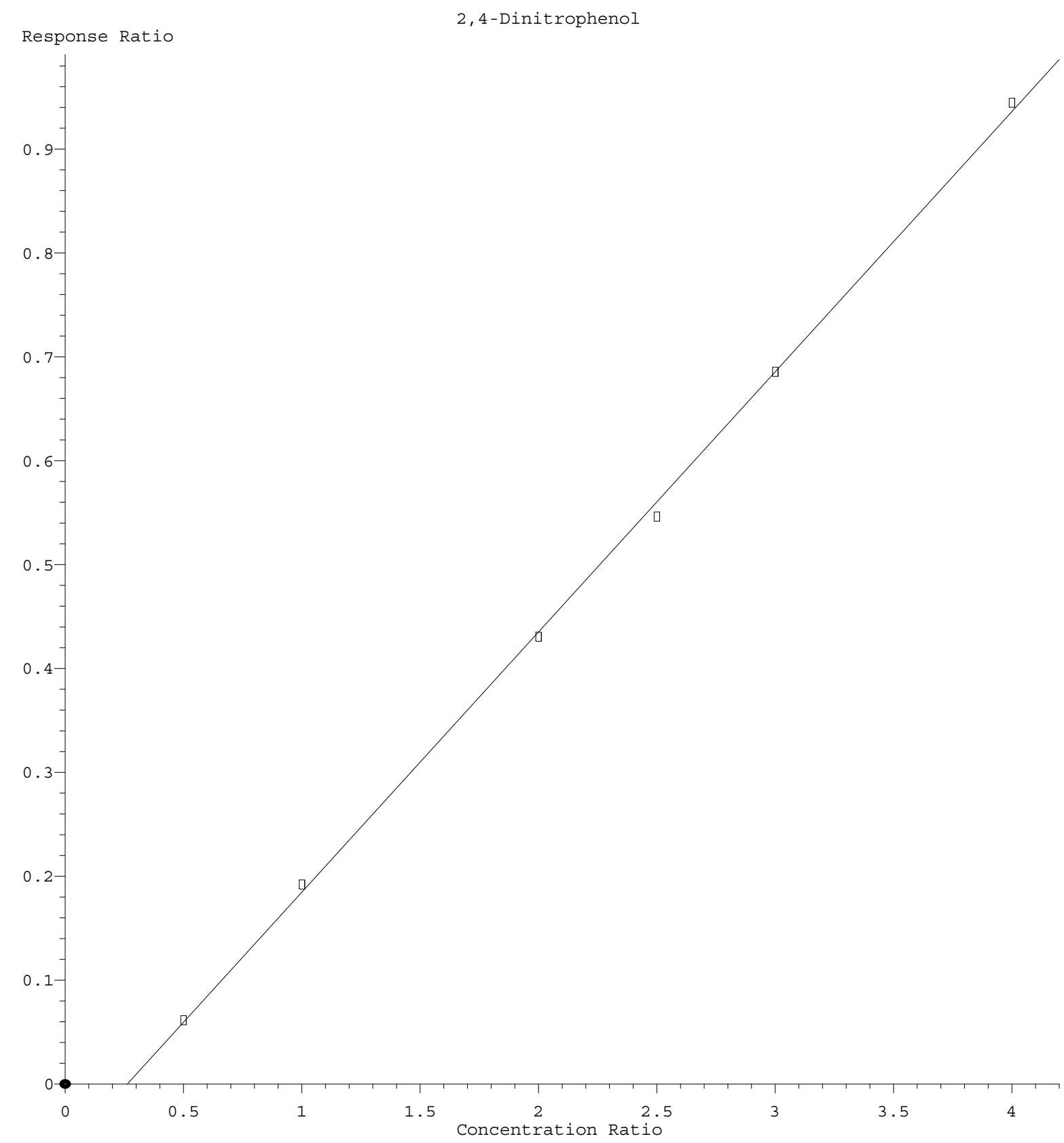
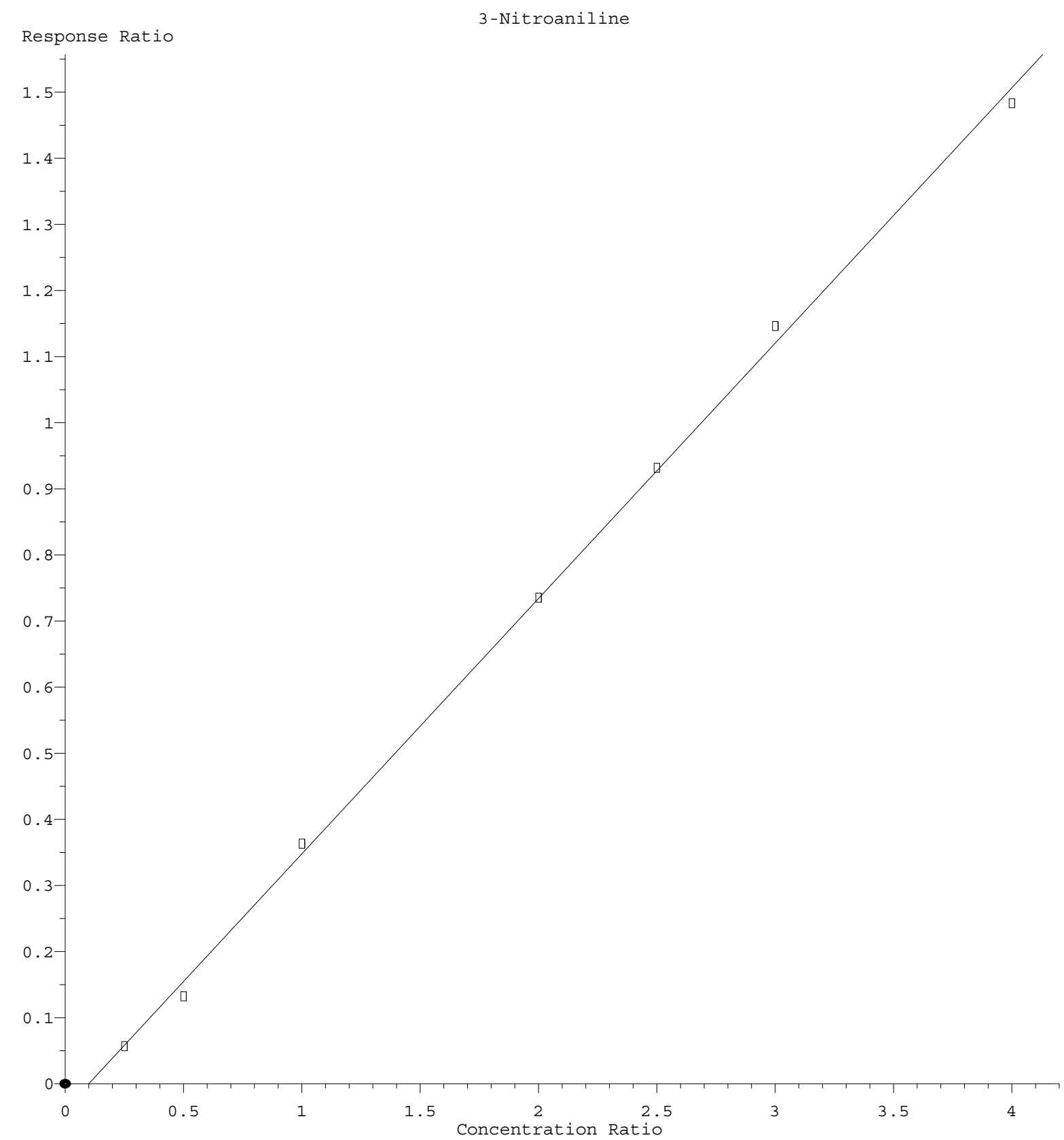
Calibration Table Last Updated: Fri Feb 17 01:08:52 2023



Response = 2.504e-001 * Amt - 6.588e-002
Coef of Det (r^2) = 0.999329 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021623.M
Calibration Table Last Updated: Fri Feb 17 01:08:52 2023



Response = 3.864e-001 * Amt - 3.879e-002
Coef of Det (r^2) = 0.998851 Curve Fit: Linear
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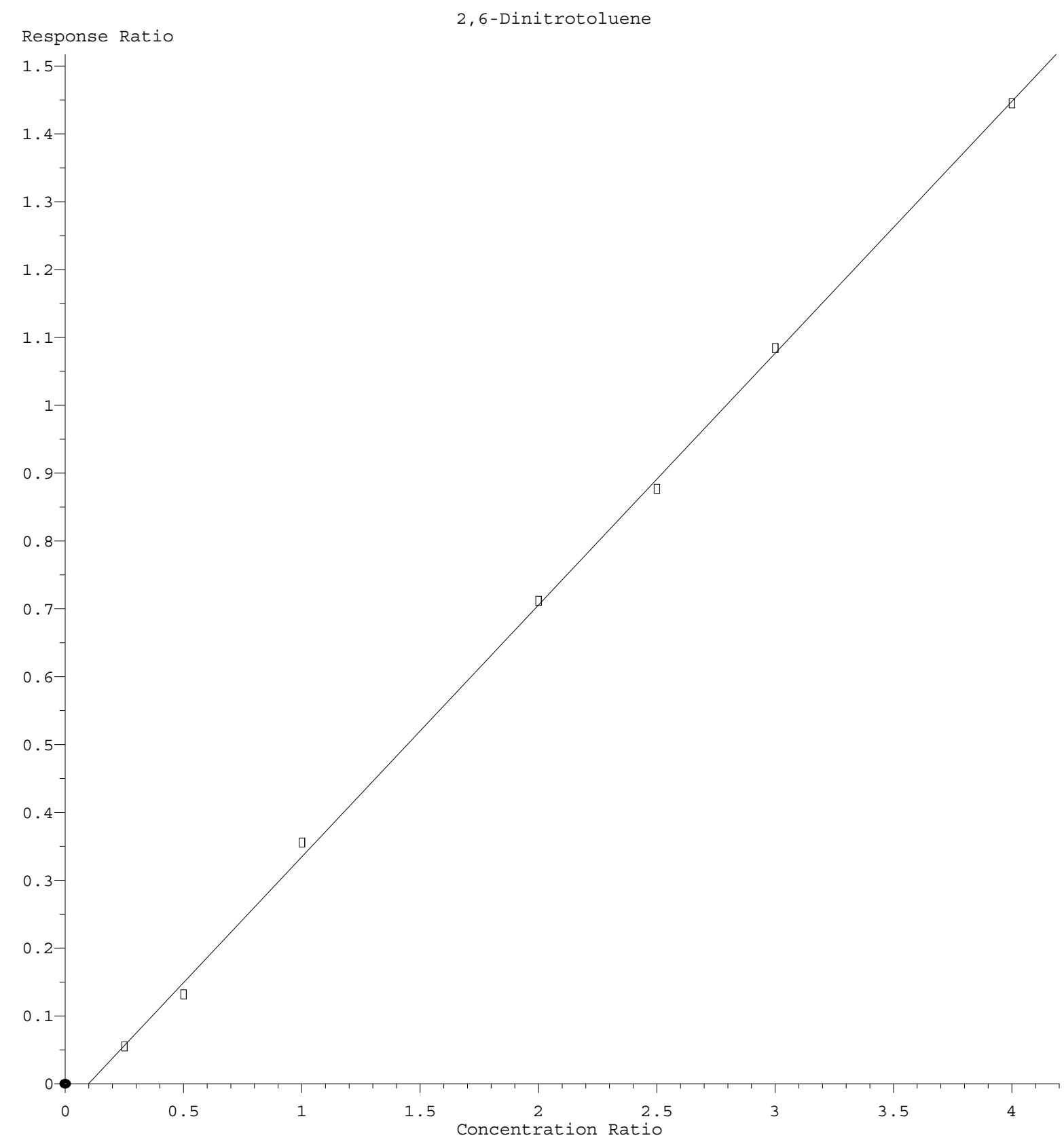
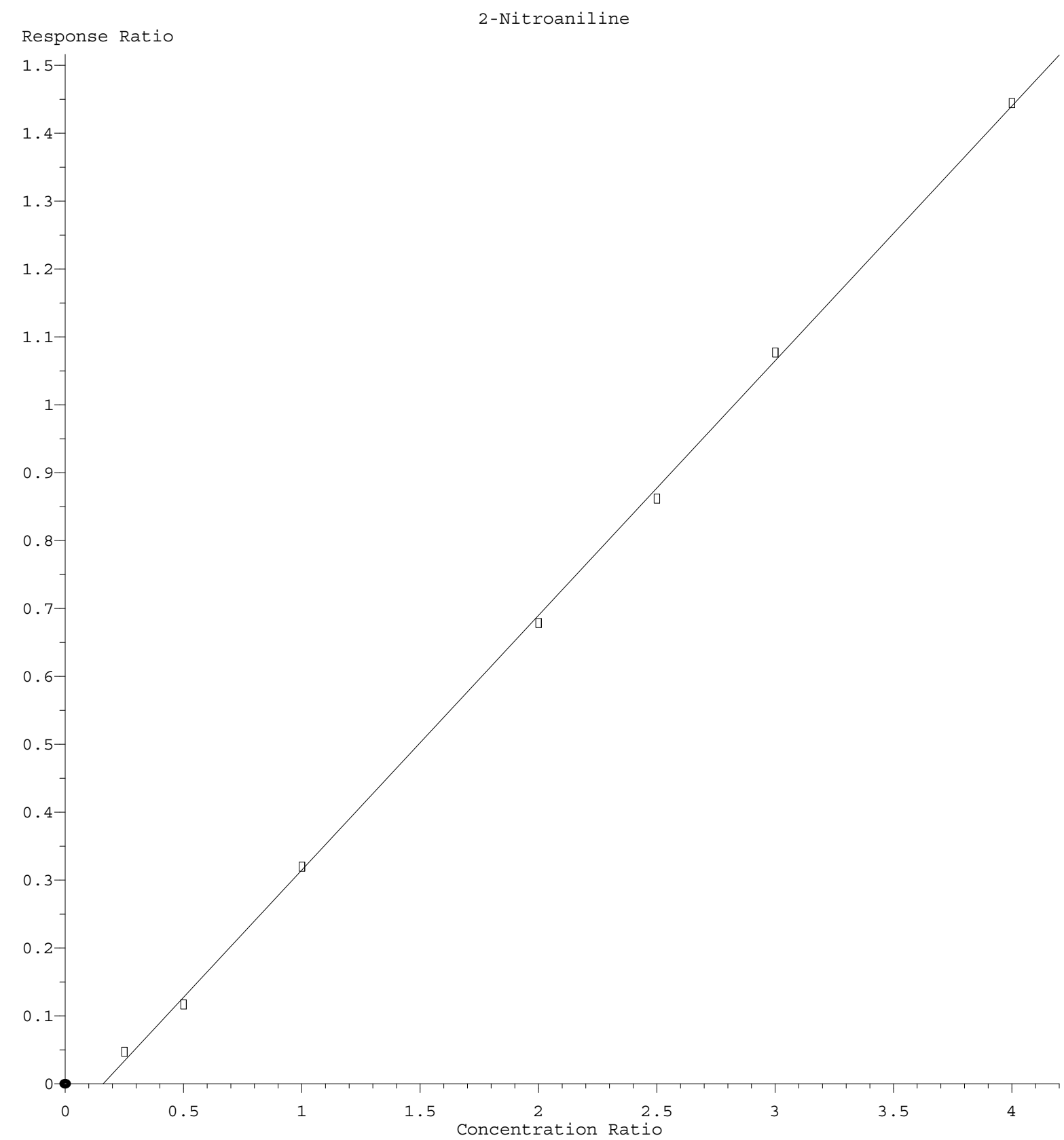


Response = 3.712e-001 * Amt - 3.689e-002
Coef of Det (r^2) = 0.999343 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021623.M
Calibration Table Last Updated: Fri Feb 17 01:08:52 2023



Response = 3.750e-001 * Amt - 6.057e-002
Coef of Det (r^2) = 0.999471 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021623.M
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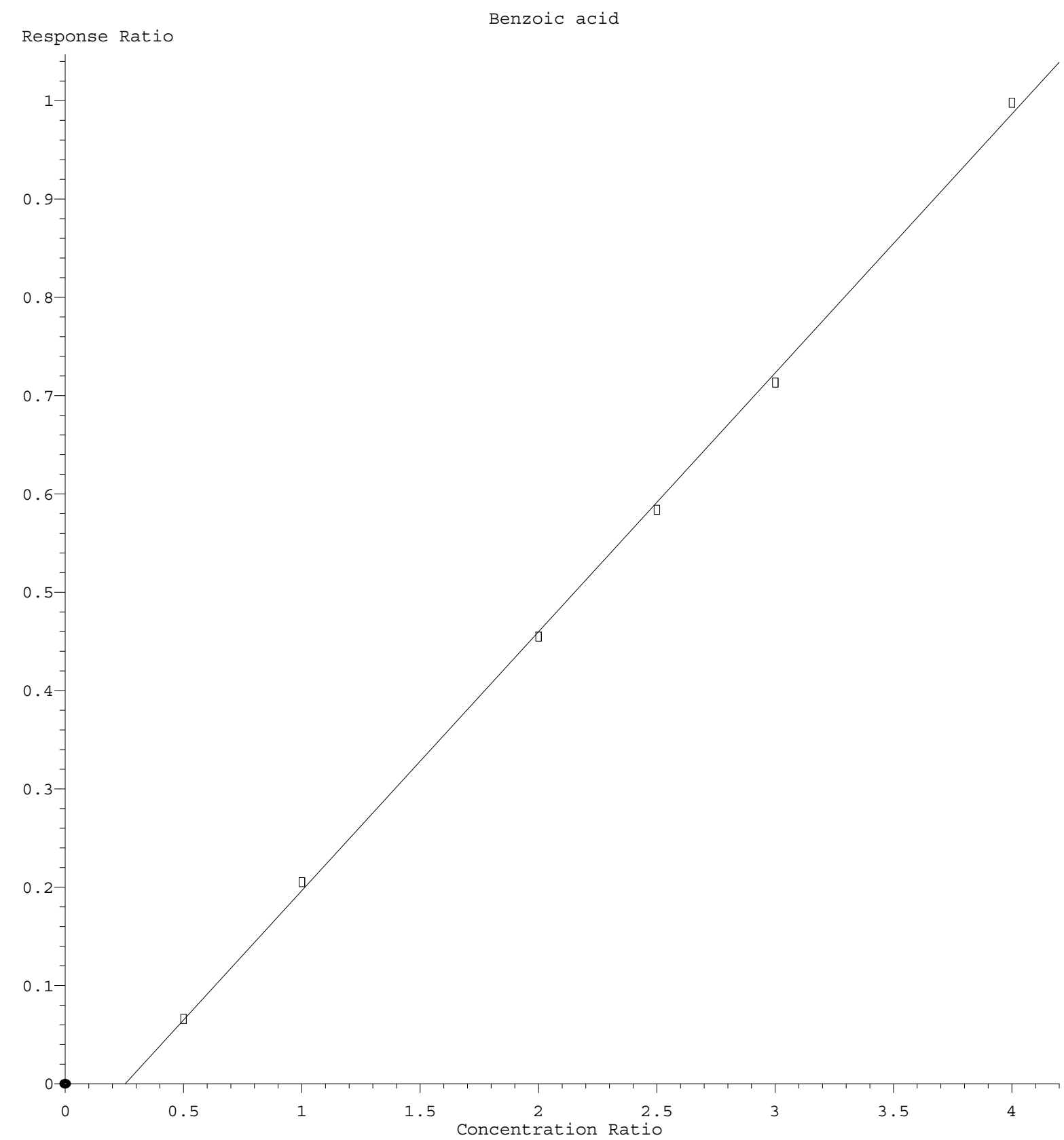

Response = 2.632e-001 * Amt - 6.679e-002
Coef of Det (r^2) = 0.999326 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021623.M
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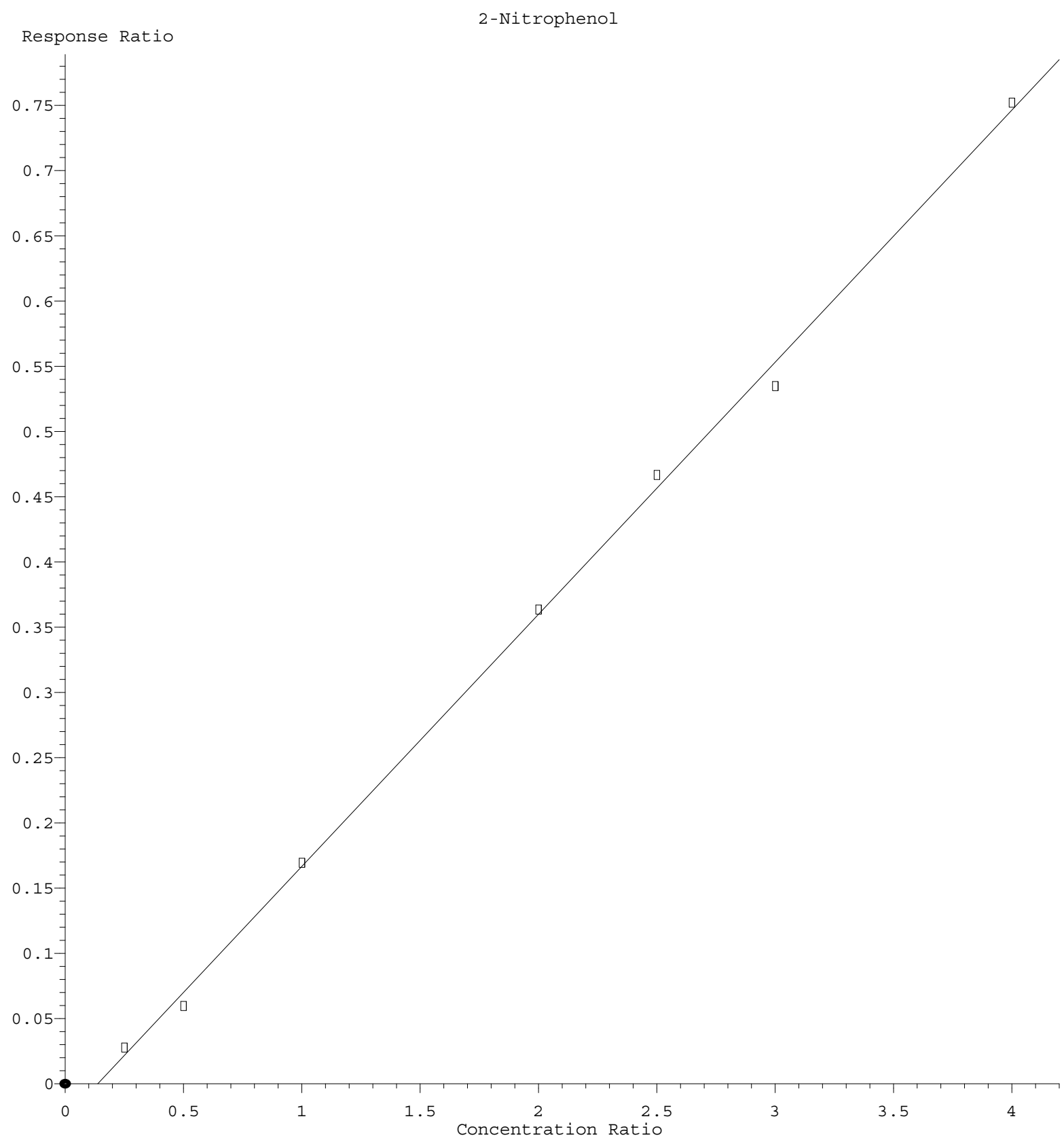

Response = 1.933e-001 * Amt - 2.675e-002
Coef of Det (r^2) = 0.998519 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021623.M
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