Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP090222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Sep 03 04:07:09 2022
Response Via : Initial Calibration

Calibration Files
5 =BP011608.D 10 =BP011609.D 20 =BP011610.D 40 =BP011611.D 50 =BP011612.D 60 =BP011613.D 80 =BP011614.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.462	0.472	0.457	0.430	0.434	0.439	0.423	0.445	4.15
3)		Pyridine	1.038	1.221	1.249	1.240	1.234	1.264	1.238	1.212	6.43
4)		n-Nitrosodimet...	0.497	0.518	0.531	0.502	0.499	0.508	0.488	0.506	2.83
5)	S	2-Fluorophenol	1.106	1.146	1.165	1.118	1.130	1.146	1.104	1.131	2.00
6)		Aniline	1.646	1.766	1.784	1.720	1.700	1.735	1.681	1.719	2.78
7)	S	Phenol-d6	1.455	1.534	1.562	1.487	1.478	1.504	1.455	1.496	2.68
8)		2-Chlorophenol	1.279	1.346	1.347	1.272	1.270	1.289	1.248	1.293	2.99
9)		Benzaldehyde	0.981	1.011	0.945	0.814	0.775	0.744		0.878	13.03
10)	C	Phenol	1.532	1.637	1.625	1.551	1.538	1.558	1.513	1.565	3.05
11)		bis(2-Chloroet...	1.263	1.287	1.280	1.208	1.196	1.211	1.163	1.230	3.83
12)		1,3-Dichlorobe...	1.510	1.572	1.544	1.436	1.439	1.458	1.396	1.479	4.33
13)	C	1,4-Dichlorobe...	1.553	1.609	1.578	1.459	1.458	1.474	1.424	1.508	4.70
14)		1,2-Dichlorobe...	1.475	1.539	1.492	1.392	1.388	1.401	1.340	1.432	4.92
15)		Benzyl Alcohol	0.938	1.003	1.035	1.010	0.996	1.025	0.999	1.001	3.12
16)		2,2'-oxybis(1-...	1.651	1.711	1.677	1.557	1.513	1.523	1.464	1.585	5.92
17)		2-Methylphenol	0.982	1.064	1.086	1.036	1.019	1.040	1.012	1.034	3.30
18)		Hexachloroethane	0.499	0.529	0.521	0.496	0.503	0.510	0.496	0.508	2.58
19)	P	n-Nitroso-di-n...	0.815	0.886	0.912	0.894	0.859	0.879	0.854	0.871	3.65
20)		3+4-Methylphenols	1.303	1.433	1.448	1.423	1.387	1.424	1.394	1.402	3.47
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.475	0.494	0.503	0.468	0.480	0.484	0.479	0.483	2.42
23)	S	Nitrobenzene-d5	0.288	0.317	0.335	0.324	0.336	0.341	0.340	0.326	5.77
24)		Nitrobenzene	0.309	0.336	0.347	0.331	0.343	0.345	0.345	0.336	4.01
25)		Isophorone	0.508	0.562	0.606	0.595	0.604	0.616	0.621	0.587	6.79
26)	C	2-Nitrophenol	0.086	0.097	0.117	0.130	0.142	0.152	0.160	0.126	22.05
27)		2,4-Dimethylph...	0.226	0.246	0.262	0.255	0.262	0.265	0.268	0.255	5.75
28)		bis(2-Chloroet...	0.350	0.372	0.378	0.360	0.368	0.372	0.372	0.367	2.59
29)	C	2,4-Dichloroph...	0.250	0.282	0.301	0.300	0.310	0.316	0.320	0.297	8.23
30)		1,2,4-Trichlor...	0.339	0.356	0.356	0.335	0.348	0.353	0.354	0.349	2.47
31)		Naphthalene	1.073	1.107	1.102	1.032	1.059	1.066	1.048	1.070	2.56
32)		Benzoic acid		0.084	0.118	0.155	0.165	0.177	0.196	0.149	27.42
33)		4-Chloroaniline	0.393	0.421	0.434	0.416	0.425	0.431	0.433	0.422	3.42
34)	C	Hexachlorobuta...	0.199	0.209	0.210	0.199	0.209	0.212	0.213	0.207	2.78
35)		Caprolactam		0.067	0.082	0.087	0.089	0.092	0.096	0.086	12.02
36)	C	4-Chloro-3-met...	0.246	0.280	0.298	0.298	0.303	0.311	0.313	0.293	7.90
37)		2-Methylnaphth...	0.696	0.738	0.748	0.717	0.728	0.739	0.730	0.728	2.36
38)		1-Methylnaphth...	0.683	0.728	0.730	0.696	0.705	0.716	0.708	0.709	2.38

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.604	0.627	0.643	0.607	0.629	0.644	0.643	0.628	2.72
41)	P	Hexachlorocycl...	0.242	0.264	0.290	0.299	0.317	0.330	0.337	0.297	11.64
42)	S	2,4,6-Tribromo...	0.173	0.201	0.223	0.229	0.239	0.251	0.264	0.226	13.64
43)	C	2,4,6-Trichlor...	0.292	0.340	0.379	0.384	0.400	0.414	0.423	0.376	12.21
44)		2,4,5-Trichlor...	0.361	0.398	0.437	0.432	0.448	0.459	0.467	0.429	8.69
45)	S	2-Fluorobiphenyl	1.414	1.475	1.490	1.355	1.376	1.368	1.313	1.399	4.62
46)		1,1'-Biphenyl	1.512	1.587	1.605	1.487	1.517	1.528	1.516	1.536	2.80
47)		2-Chloronaphth...	1.176	1.240	1.243	1.156	1.175	1.190	1.179	1.194	2.83
48)		2-Nitroaniline	0.188	0.227	0.271	0.291	0.304	0.316	0.323	0.274	18.13
49)		Acenaphthylene	1.696	1.845	1.901	1.810	1.841	1.875	1.857	1.832	3.62
50)		Dimethylphthalate	1.376	1.490	1.505	1.427	1.448	1.475	1.472	1.456	3.00
51)		2,6-Dinitrotol...	0.207	0.255	0.288	0.292	0.301	0.310	0.318	0.281	13.64
52)	C	Acenaphthene	1.139	1.193	1.212	1.163	1.183	1.205	1.208	1.186	2.27
53)		3-Nitroaniline	0.226	0.278	0.316	0.326	0.335	0.347	0.356	0.312	14.60
54)	P	2,4-Dinitrophenol		0.065	0.081	0.100	0.107	0.117		0.094	22.35
55)		Dibenzofuran	1.786	1.854	1.857	1.731	1.748	1.774	1.759	1.787	2.81
56)	P	4-Nitrophenol		0.195	0.239	0.254	0.262	0.273	0.284	0.251	12.65
57)		2,4-Dinitrotol...	0.222	0.291	0.354	0.379	0.392	0.410	0.425	0.353	20.50
58)		Fluorene	1.423	1.506	1.533	1.446	1.452	1.453	1.431	1.463	2.78
59)		2,3,4,6-Tetrac...	0.287	0.333	0.368	0.369	0.378	0.395	0.405	0.362	11.13
60)		Diethylphthalate	1.301	1.405	1.463	1.412	1.424	1.452	1.455	1.416	3.91
61)		4-Chlorophenyl...	0.693	0.734	0.748	0.711	0.715	0.726	0.724	0.722	2.47
62)		4-Nitroaniline	0.218	0.278	0.324	0.340	0.342	0.353	0.363	0.317	16.27
63)		Azobenzene	1.131	1.278	1.338	1.259	1.265	1.268	1.273	1.259	4.96
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.051	0.063	0.076	0.083	0.090	0.098	0.077	22.40
66)	c	n-Nitrosodiphe...	0.570	0.619	0.630	0.595	0.614	0.620	0.611	0.608	3.30
67)		4-Bromophenyl-...	0.204	0.214	0.218	0.212	0.220	0.226	0.227	0.217	3.76
68)		Hexachlorobenzene	0.241	0.255	0.260	0.249	0.258	0.266	0.266	0.257	3.47
69)		Atrazine	0.158	0.177	0.186	0.183	0.185	0.187	0.189	0.181	5.98
70)	C	Pentachlorophenol		0.109	0.128	0.138	0.147	0.155	0.160	0.139	13.49
71)		Phenanthrene	1.107	1.171	1.153	1.080	1.104	1.117	1.080	1.116	3.09
72)		Anthracene	0.987	1.074	1.099	1.044	1.071	1.079	1.047	1.057	3.42
73)		Carbazole	0.913	0.993	1.018	0.965	0.989	0.995	0.974	0.978	3.41
74)		Di-n-butylphth...	0.887	1.039	1.157	1.145	1.184	1.204	1.113	1.104	9.94
75)	C	Fluoranthene	1.153	1.241	1.288	1.233	1.253	1.259	1.184	1.230	3.79
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.350	0.378	0.392	0.413	0.355	0.369	0.419	0.382	7.03
78)		Pyrene	1.267	1.359	1.390	1.314	1.344	1.358	1.274	1.329	3.47
79)	S	Terphenyl-d14	0.991	1.065	1.082	0.980	0.940	0.881	0.745	0.955	12.11
80)		Butylbenzylpht...	0.304	0.371	0.453	0.501	0.521	0.550	0.556	0.465	20.55
81)		Benzo(a)anthra...	1.250	1.344	1.366	1.293	1.314	1.335	1.288	1.313	2.99
82)		3,3'-Dichlorob...	0.309	0.374	0.437	0.456	0.466	0.478	0.478	0.428	14.81
83)		Chrysene	1.216	1.289	1.282	1.219	1.239	1.251	1.200	1.242	2.72
84)		Bis(2-ethylhex...	0.501	0.615	0.738	0.775	0.795	0.805	0.783	0.716	16.04
85)	c	Di-n-octyl pht...		0.909	1.125	1.240	1.293	1.340	1.317	1.204	13.56

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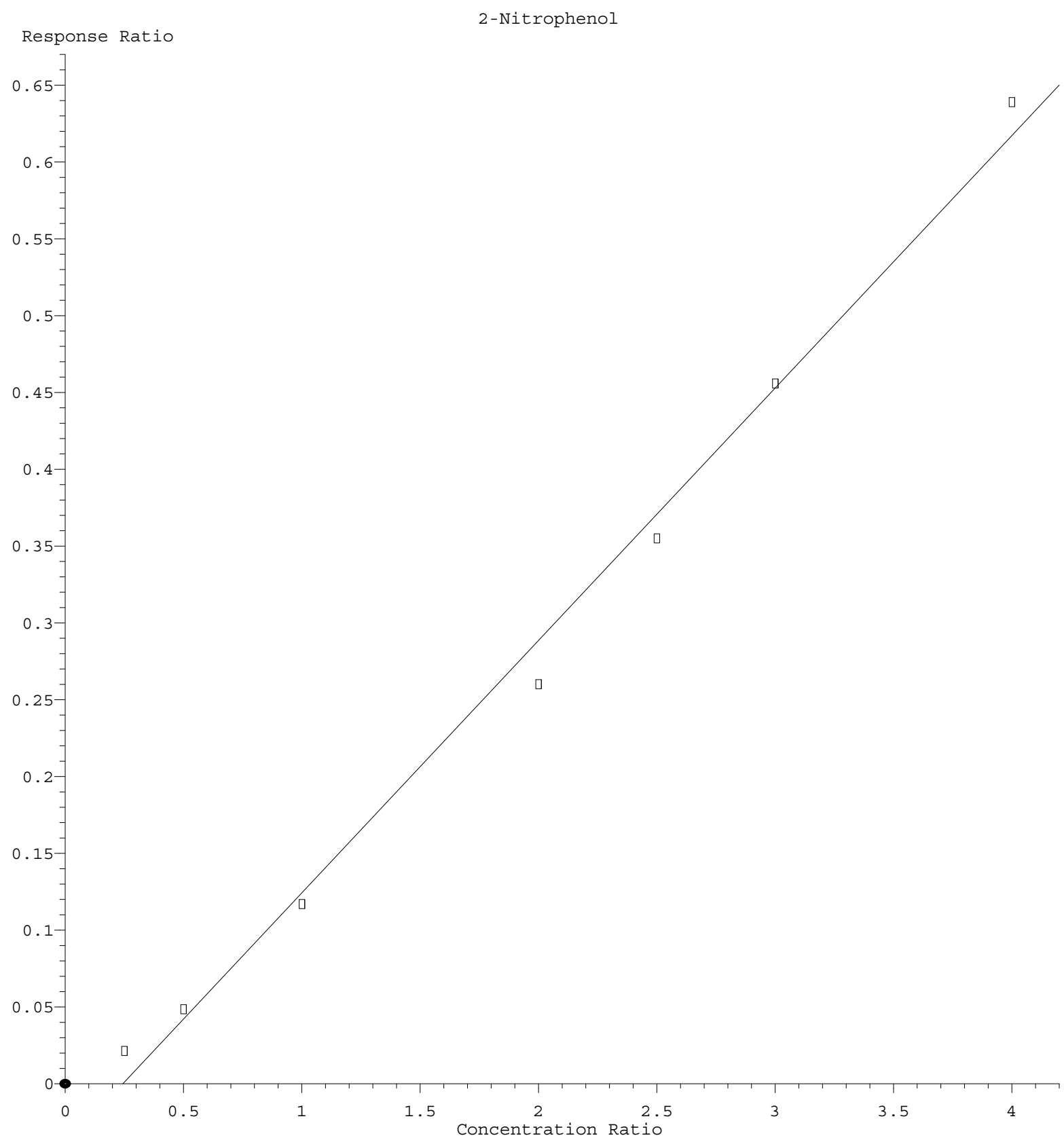
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.303	1.449	1.523	1.528	1.585	1.619	1.646	1.522	7.69
88)		Benzo(b)fluora...	1.106	1.243	1.290	1.231	1.273	1.339	1.301	1.255	5.95
89)		Benzo(k)fluora...	1.220	1.271	1.327	1.293	1.332	1.304	1.313	1.294	2.99
90)	C	Benzo(a)pyrene	0.898	0.972	1.050	1.040	1.078	1.106	1.112	1.037	7.43
91)		Dibenzo(a,h)an...	1.112	1.220	1.286	1.282	1.324	1.350	1.363	1.277	6.82
92)		Benzo(g,h,i)pe...	1.113	1.171	1.220	1.208	1.263	1.298	1.318	1.227	5.87

(#) = Out of Range



Response = 1.644e-001 * Amt - 4.019e-002
Coef of Det (r^2) = 0.993429 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090222.M
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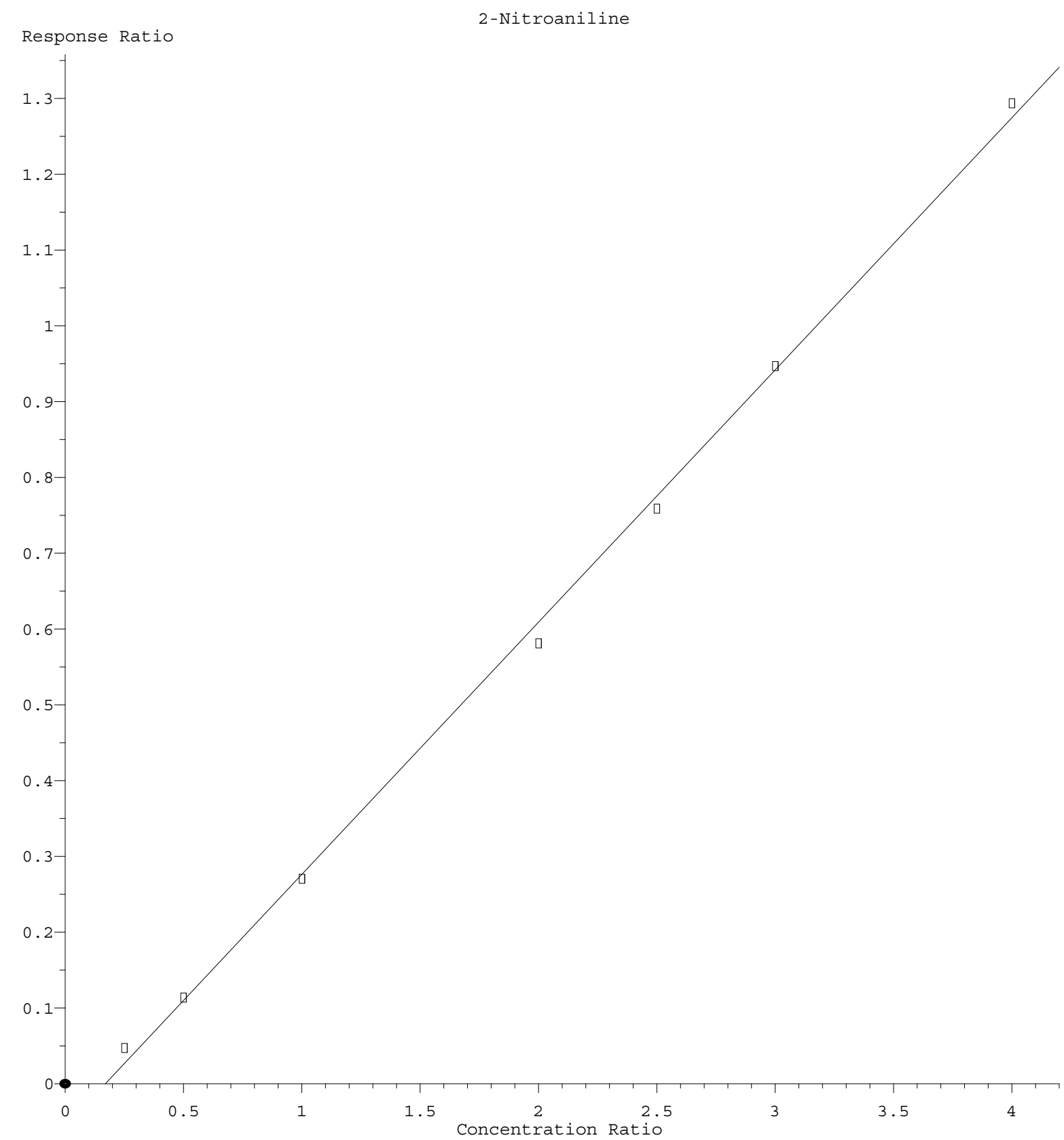

Response = 3.327e-001 * Amt - 5.659e-002
Coef of Det (r^2) = 0.998503 Curve Fit: Linear
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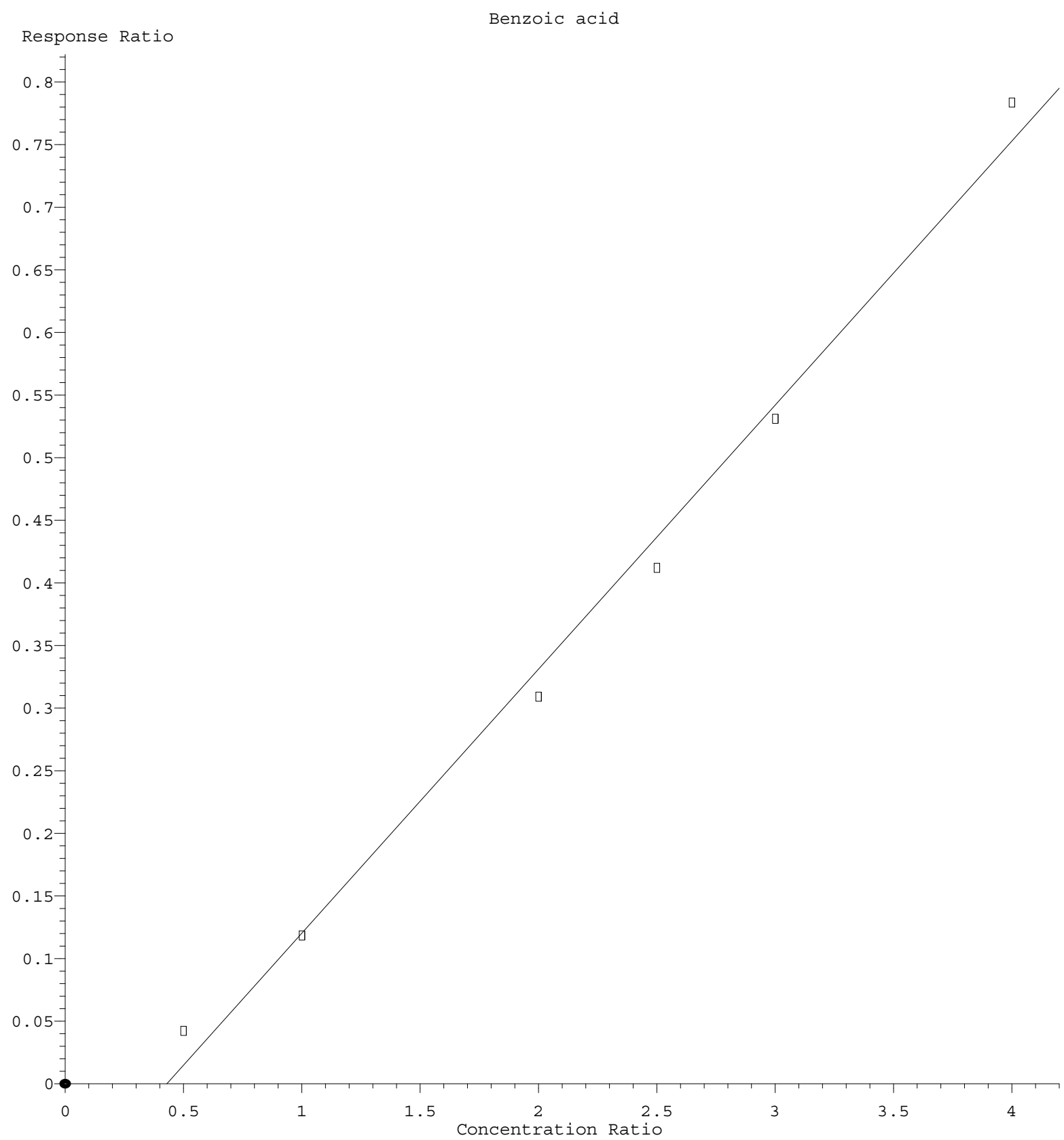
Calibration Table Last Updated: Sat Sep 03 04:07:09 2022



Response = 2.108e-001 * Amt - 9.062e-002
Coef of Det (r^2) = 0.992205 Curve Fit: Linear
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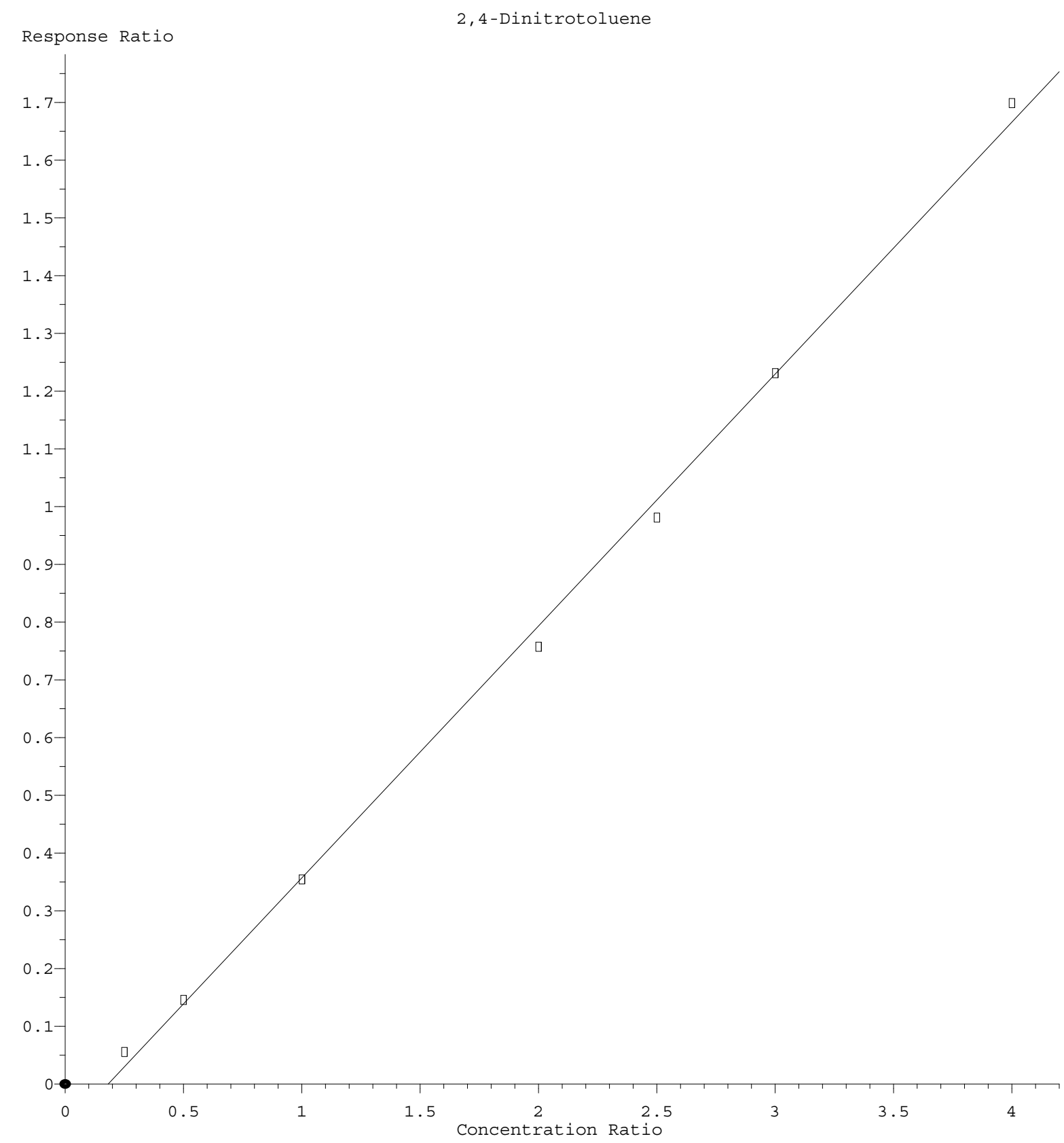

Response = 4.362e-001 * Amt - 7.947e-002
Coef of Det (r^2) = 0.998157 Curve Fit: Linear
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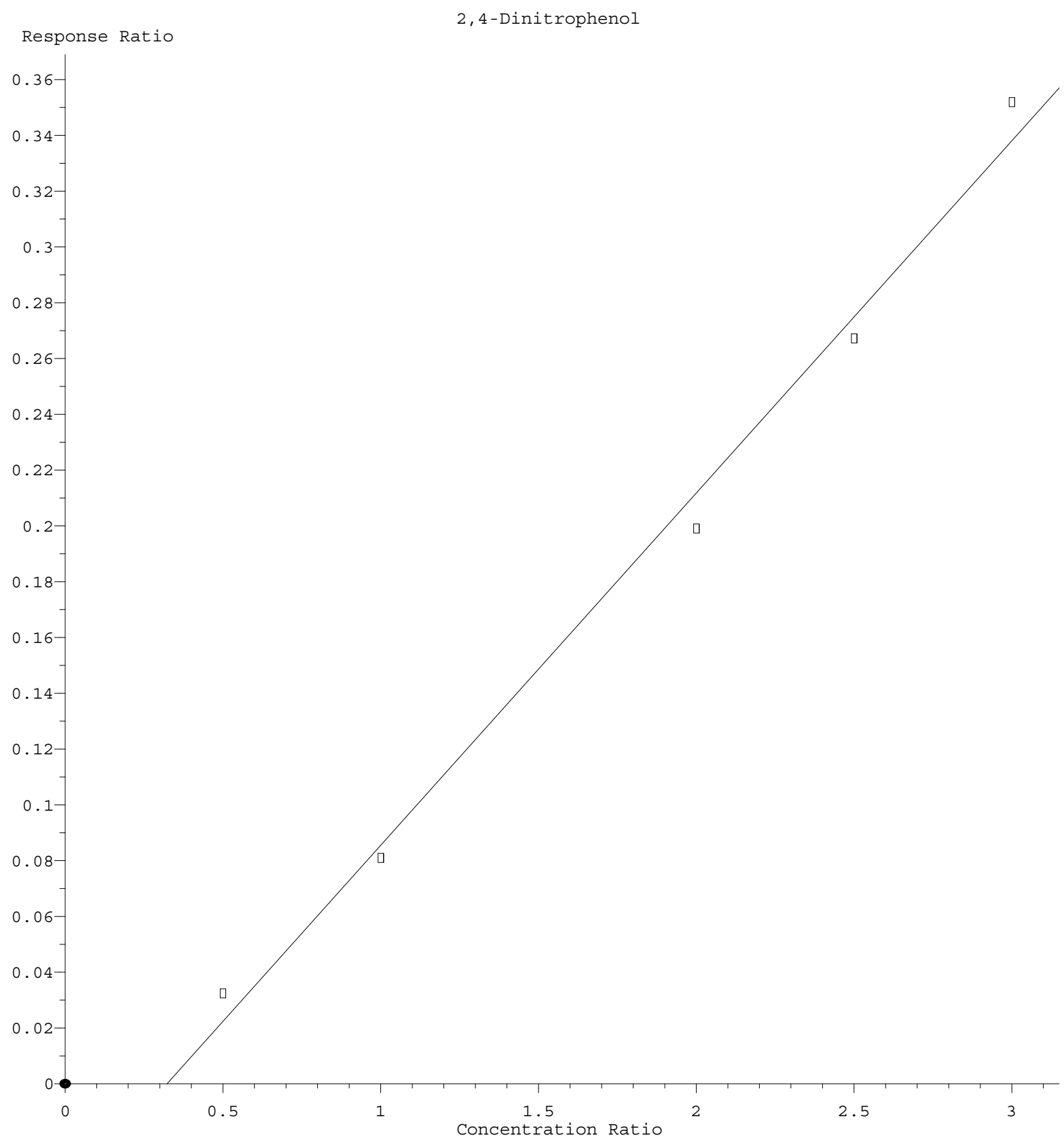

Response = 1.261e-001 * Amt - 4.068e-002
Coef of Det (r^2) = 0.992244 Curve Fit: Linear
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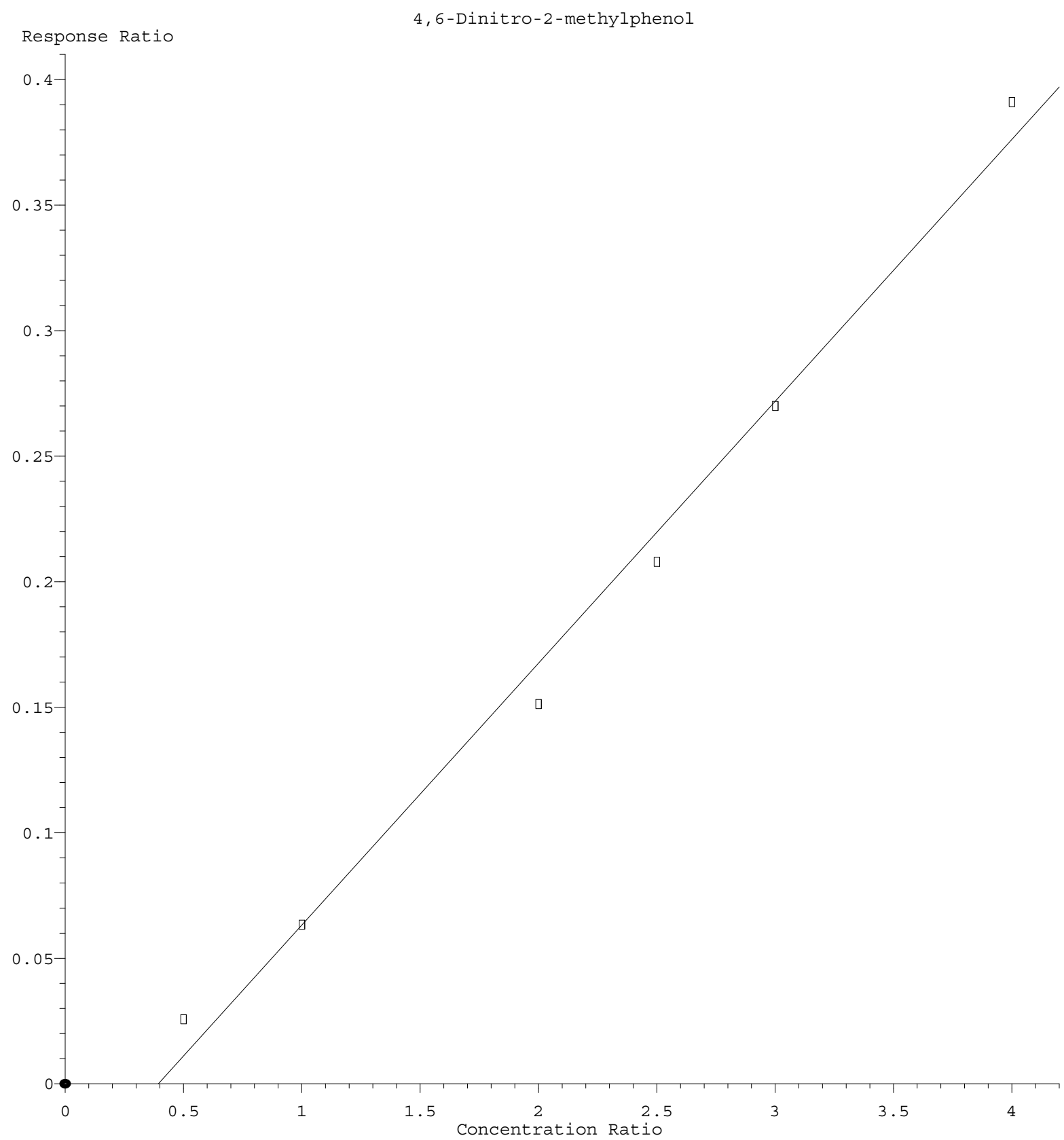

Response = 1.043e-001 * Amt - 4.115e-002
Coef of Det (r^2) = 0.990786 Curve Fit: Linear
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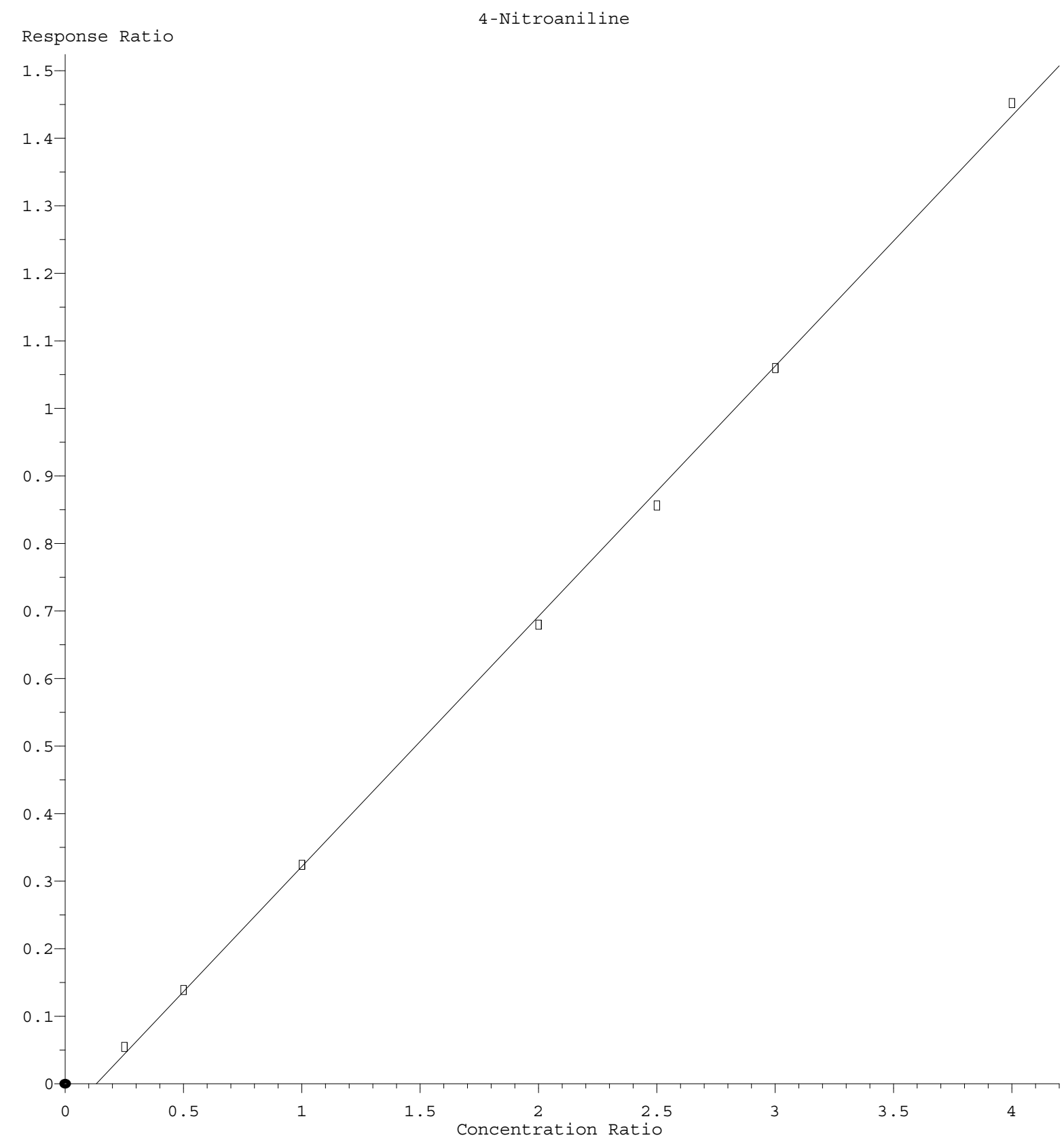

Response = 3.704e-001 * Amt - 4.898e-002
Coef of Det (r^2) = 0.999304 Curve Fit: Linear
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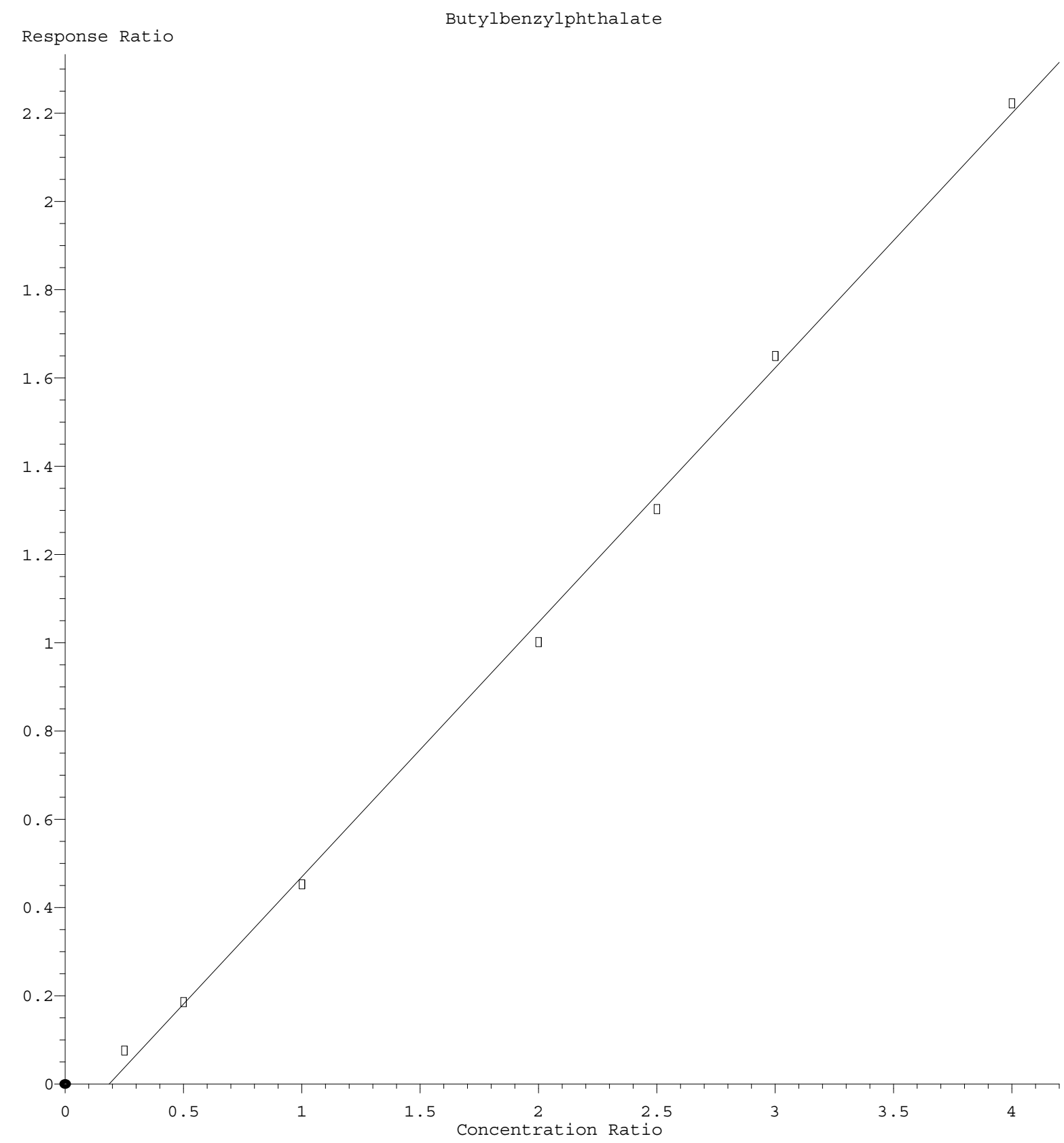

Response = 5.765e-001 * Amt - 1.070e-001
Coef of Det (r^2) = 0.998410 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090222.M
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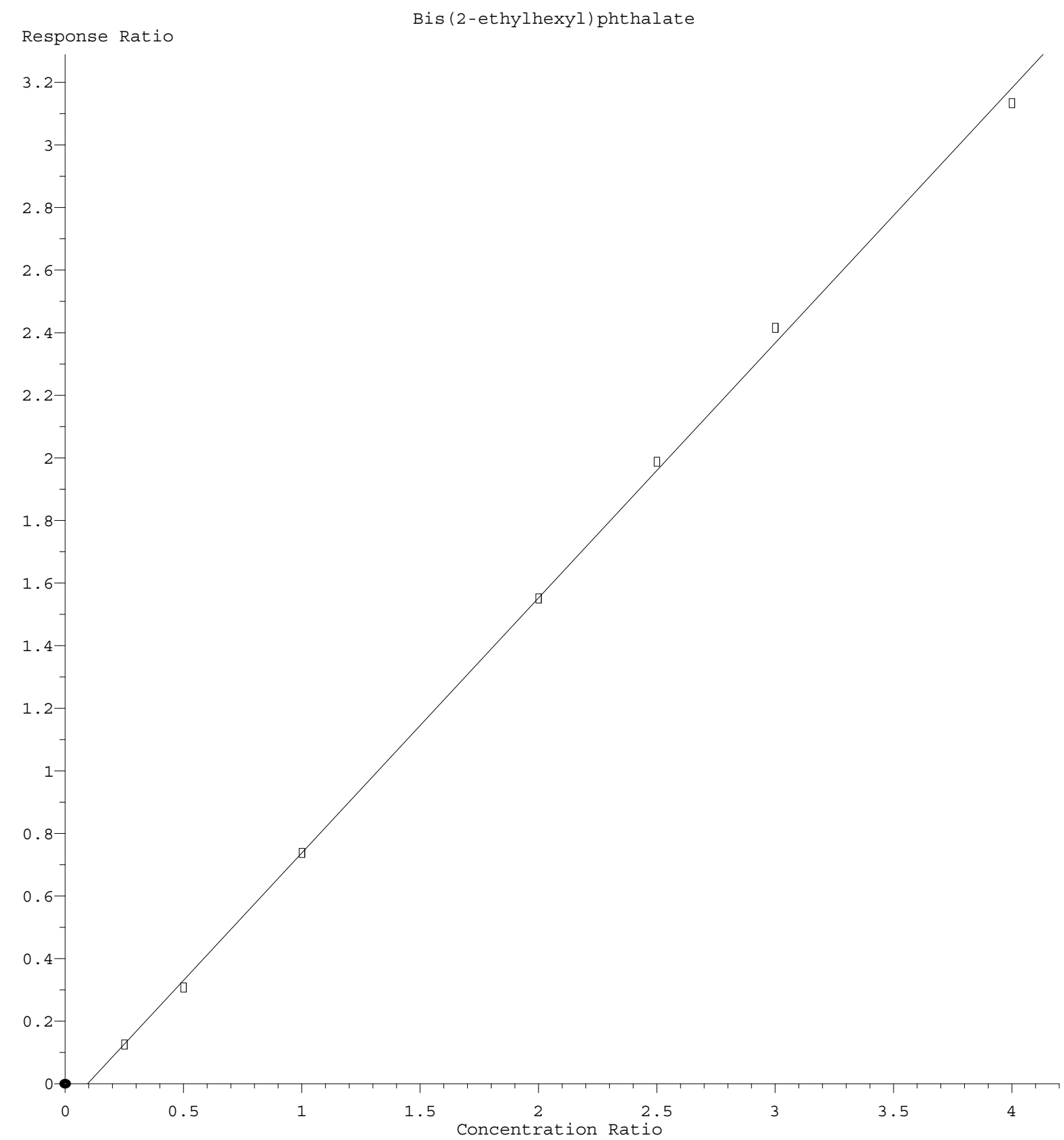

Response = 8.149e-001 * Amt - 7.715e-002
Coef of Det (r^2) = 0.999215 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090222.M
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