Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed May 29 01:36:38 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP020458.D 5 =BP020459.D 10 =BP020460.D 20 =BP020461.D 40 =BP020462.D 50 =BP020463.D 60 =BP020464.D 80 =BP0204
65.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.507	0.479	0.498	0.461	0.451	0.452	0.434	0.469	5.72
3)		Pyridine		1.312	1.288	1.323	1.283	1.235	1.312	1.280	1.290	2.28
4)		n-Nitrosodimet...		0.662	0.622	0.651	0.629	0.610	0.626	0.606	0.629	3.25
5)	S	2-Fluorophenol		1.153	1.132	1.187	1.143	1.107	1.144	1.090	1.136	2.78
6)		Aniline		1.562	1.537	1.578	1.576	1.502	1.602	1.525	1.555	2.26
7)	S	Phenol-d6		1.563	1.556	1.593	1.584	1.500	1.562	1.522	1.554	2.11
8)		2-Chlorophenol		1.269	1.230	1.279	1.241	1.188	1.240	1.195	1.235	2.77
9)		Benzaldehyde		1.183	1.105	1.006	0.853	0.772	0.731		0.942	19.56
10)	C	Phenol		1.595	1.590	1.629	1.608	1.550	1.606	1.552	1.590	1.84
11)		bis(2-Chloroet...		1.353	1.331	1.345	1.316	1.247	1.297	1.254	1.306	3.24
12)		1,3-Dichlorobe...		1.590	1.507	1.543	1.467	1.412	1.445	1.385	1.478	4.93
13)	C	1,4-Dichlorobe...		1.590	1.521	1.582	1.481	1.433	1.468	1.413	1.498	4.61
14)		1,2-Dichlorobe...		1.514	1.486	1.504	1.411	1.358	1.403	1.330	1.429	5.10
15)		Benzyl Alcohol		1.046	1.071	1.121	1.146	1.087	1.154	1.134	1.108	3.71
16)		2,2'-oxybis(1-...		2.046	2.007	2.026	1.961	1.858	1.934	1.838	1.953	4.15
17)		2-Methylphenol		1.049	1.044	1.092	1.069	1.017	1.082	1.035	1.055	2.54
18)		Hexachloroethane		0.549	0.549	0.560	0.535	0.524	0.539	0.521	0.539	2.61
19)	P	n-Nitroso-di-n...	1.082	1.047	1.054	1.055	1.050	0.974	1.026	0.981	1.034	3.67
20)		3+4-Methylphenols		1.370	1.399	1.437	1.471	1.388	1.476	1.437	1.425	2.87
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.520	0.508	0.516	0.495	0.470	0.488	0.461	0.494	4.57
23)	S	Nitrobenzene-d5		0.334	0.346	0.372	0.368	0.361	0.378	0.353	0.359	4.31
24)		Nitrobenzene		0.350	0.358	0.385	0.371	0.364	0.373	0.360	0.366	3.13
25)		Isophorone		0.693	0.695	0.694	0.701	0.665	0.701	0.678	0.690	1.91
26)	C	2-Nitrophenol		0.079	0.086	0.107	0.129	0.132			0.107	22.76
27)		2,4-Dimethylph...		0.206	0.211	0.219	0.217	0.205	0.217	0.206	0.212	2.95
28)		bis(2-Chloroet...		0.439	0.435	0.437	0.434	0.415	0.433	0.405	0.428	3.01
29)	C	2,4-Dichloroph...		0.255	0.271	0.282	0.291	0.282	0.297	0.288	0.281	4.95
30)		1,2,4-Trichlor...		0.349	0.344	0.353	0.341	0.332	0.343	0.329	0.341	2.51
31)		Naphthalene		1.079	1.048	1.065	1.022	0.980	1.011	0.947	1.022	4.62
32)		Benzoic acid			0.088	0.117	0.164	0.165	0.204	0.213	0.159	30.65
33)		4-Chloroaniline		0.382	0.378	0.386	0.387	0.368	0.392	0.375	0.381	2.16
34)	C	Hexachlorobuta...		0.216	0.213	0.220	0.214	0.208	0.215	0.206	0.213	2.20
35)		Caprolactam		0.078	0.086	0.085	0.095	0.086	0.101	0.105	0.091	10.71
36)	C	4-Chloro-3-met...		0.285	0.301	0.307	0.324	0.303	0.333	0.331	0.312	5.75
37)		2-Methylnaphth...		0.724	0.712	0.703	0.705	0.661	0.698	0.679	0.698	3.04
38)		1-Methylnaphth...		0.710	0.701	0.706	0.690	0.659	0.693	0.660	0.688	3.04

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.610	0.591	0.628	0.581	0.600	0.602	0.562	0.596	3.53
41)	P	Hexachlorocycl...	0.188	0.189	0.213	0.210	0.224	0.221	0.207	0.208	6.89
42)	S	2,4,6-Tribromo...	0.159	0.174	0.179	0.191	0.182	0.215	0.220	0.189	11.59
43)	C	2,4,6-Trichlor...	0.292	0.318	0.347	0.361	0.371	0.386	0.366	0.349	9.45
44)		2,4,5-Trichlor...	0.344	0.370	0.401	0.410	0.403	0.430	0.408	0.395	7.22
45)	S	2-Fluorobiphenyl	1.505	1.455	1.466	1.342	1.339	1.364	1.167	1.377	8.25
46)		1,1'-Biphenyl	1.533	1.501	1.522	1.420	1.429	1.438	1.305	1.450	5.44
47)		2-Chloronaphth...	1.208	1.188	1.218	1.126	1.124	1.151	1.045	1.152	5.24
48)		2-Nitroaniline	0.208	0.242	0.268	0.299	0.299			0.263	14.88
49)		Acenaphthylene	1.742	1.723	1.730	1.638	1.615	1.695	1.574	1.674	3.89
50)		Dimethylphthalate	1.378	1.368	1.357	1.321	1.265	1.405	1.274	1.338	3.98
51)		2,6-Dinitrotol...	0.218	0.258	0.269	0.288	0.282	0.313	0.299	0.275	11.30
52)	C	Acenaphthene	1.125	1.119	1.110	1.063	1.061	1.112	0.967	1.080	5.20
53)		3-Nitroaniline	0.214	0.245	0.266	0.279	0.272	0.310	0.297	0.269	11.96
54)	P	2,4-Dinitrophenol		0.052	0.062	0.081	0.082	0.109	0.124	0.085	32.39
55)		Dibenzofuran	1.747	1.719	1.720	1.594	1.555	1.645	1.524	1.643	5.38
56)	P	4-Nitrophenol		0.176	0.196	0.206	0.201	0.237	0.237	0.209	11.50
57)		2,4-Dinitrotol...	0.232	0.292	0.317	0.357	0.343	0.407	0.406	0.336	18.63
58)		Fluorene	1.409	1.376	1.337	1.246	1.201	1.268	1.179	1.288	6.84
59)		2,3,4,6-Tetrac...	0.267	0.279	0.299	0.316	0.305	0.346	0.334	0.307	9.18
60)		Diethylphthalate	1.371	1.365	1.310	1.295	1.212	1.410	1.331	1.327	4.84
61)		4-Chlorophenyl...	0.718	0.684	0.682	0.640	0.629	0.667	0.620	0.663	5.30
62)		4-Nitroaniline	0.212	0.242	0.264	0.264	0.257	0.294	0.293	0.261	10.97
63)		Azobenzene	1.364	1.353	1.337	1.248	1.191	1.284	1.214	1.284	5.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.042	0.052	0.068	0.069	0.082	0.093	0.068	27.71
66)	c	n-Nitrosodiphe...	0.595	0.602	0.605	0.591	0.569	0.564	0.536	0.580	4.28
67)		4-Bromophenyl-...	0.211	0.207	0.215	0.214	0.206	0.212	0.205	0.210	1.91
68)		Hexachlorobenzene	0.249	0.243	0.250	0.244	0.240	0.246	0.238	0.244	1.82
69)		Atrazine	0.179	0.190	0.191	0.182	0.173	0.182	0.183	0.183	3.46
70)	C	Pentachlorophenol		0.109	0.119	0.136	0.135	0.149	0.150	0.133	12.26
71)		Phenanthrene	1.047	1.040	1.035	0.992	0.940	0.965	0.900	0.989	5.70
72)		Anthracene	0.991	1.001	1.015	0.970	0.928	0.937	0.911	0.965	4.14
73)		Carbazole	0.936	0.926	0.959	0.884	0.843	0.850	0.828	0.889	5.79
74)		Di-n-butylphth...	0.934	1.009	1.053	1.025	0.995	1.069	1.047	1.019	4.47
75)	C	Fluoranthene	1.104	1.102	1.178	0.997	1.021	0.984	0.973	1.051	7.36
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.322	0.351	0.601	0.775	0.666	0.801	0.363	0.554	37.31
78)		Pyrene	1.530	1.653	1.387	1.511	1.344	1.578	1.543	1.507	7.12
79)	S	Terphenyl-d14	1.235	1.305	1.114	1.195	1.026	1.215	1.177	1.181	7.58
80)		Butylbenzylpht...	0.308	0.381	0.438	0.475	0.490	0.536	0.541	0.453	18.63
81)		Benzo(a)anthra...	1.337	1.327	1.368	1.320	1.275	1.327	1.246	1.314	3.09
82)		3,3'-Dichlorob...	0.338	0.352	0.438	0.446	0.447	0.446	0.388	0.408	11.70
83)		Chrysene	1.271	1.266	1.303	1.239	1.234	1.255	1.167	1.248	3.39
84)		Bis(2-ethylhex...	0.521	0.606	0.762	0.757	0.773	0.795	0.771	0.712	14.77
85)	c	Di-n-octyl pht...		0.772	1.188	1.237	1.323	1.317	1.240	1.179	17.48

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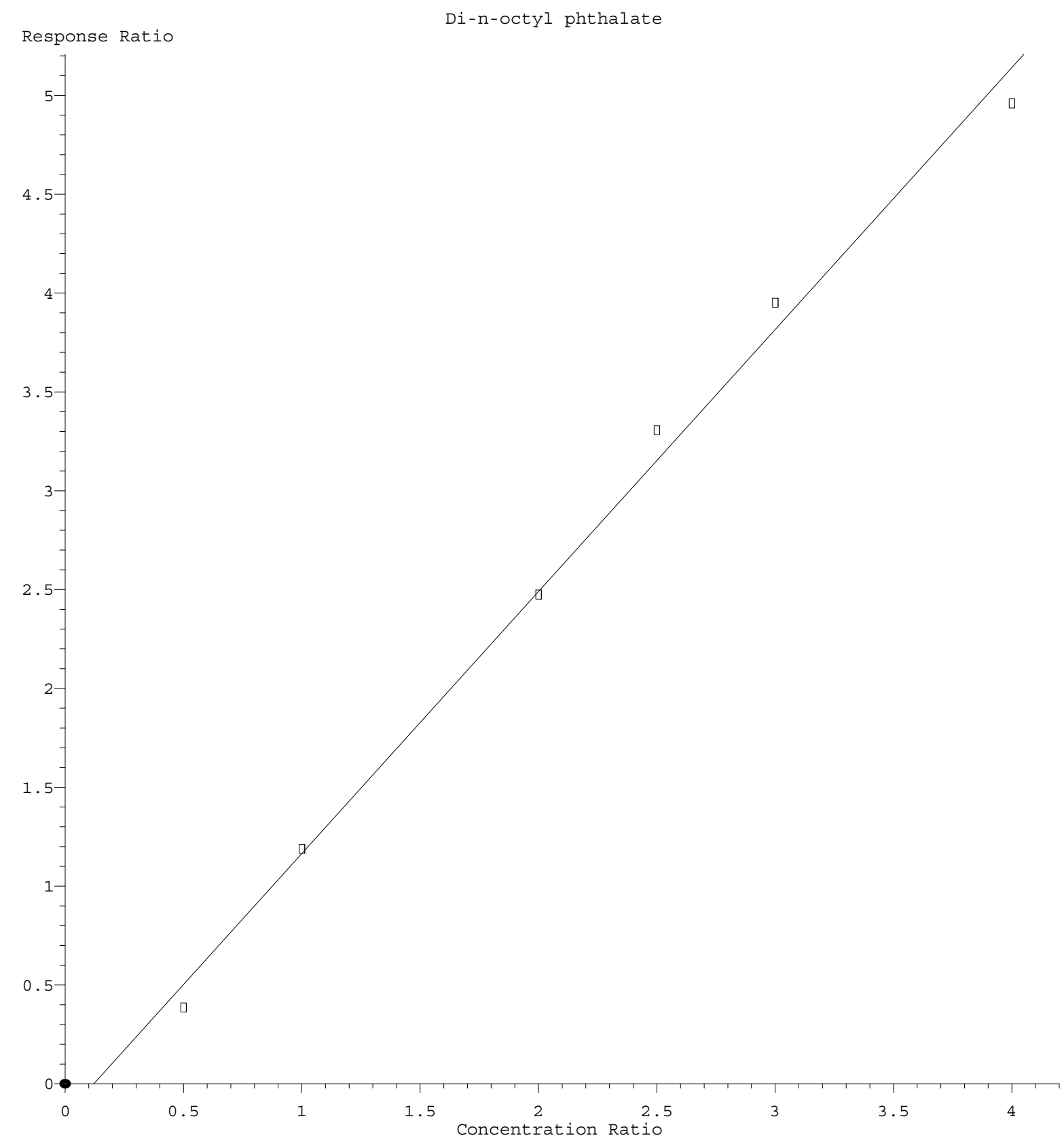
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.274	1.341	1.373	1.420	1.363	1.458	1.378	1.372	4.24
88)		Benzo(b)fluora...	1.090	1.118	1.243	1.166	1.159	1.212	1.144	1.162	4.51
89)		Benzo(k)fluora...	1.079	1.125	1.214	1.128	1.108	1.142	1.119	1.131	3.69
90)	C	Benzo(a)pyrene	0.929	0.980	1.068	1.045	1.029	1.084	1.024	1.023	5.18
91)		Dibenzo(a,h)an...	1.046	1.126	1.149	1.179	1.137	1.199	1.141	1.140	4.24
92)		Benzo(g,h,i)pe...	1.105	1.143	1.148	1.202	1.134	1.212	1.144	1.155	3.29

(#) = Out of Range



Response = 1.325e+000 * Amt - 1.606e-001
Coef of Det (r^2) = 0.993940 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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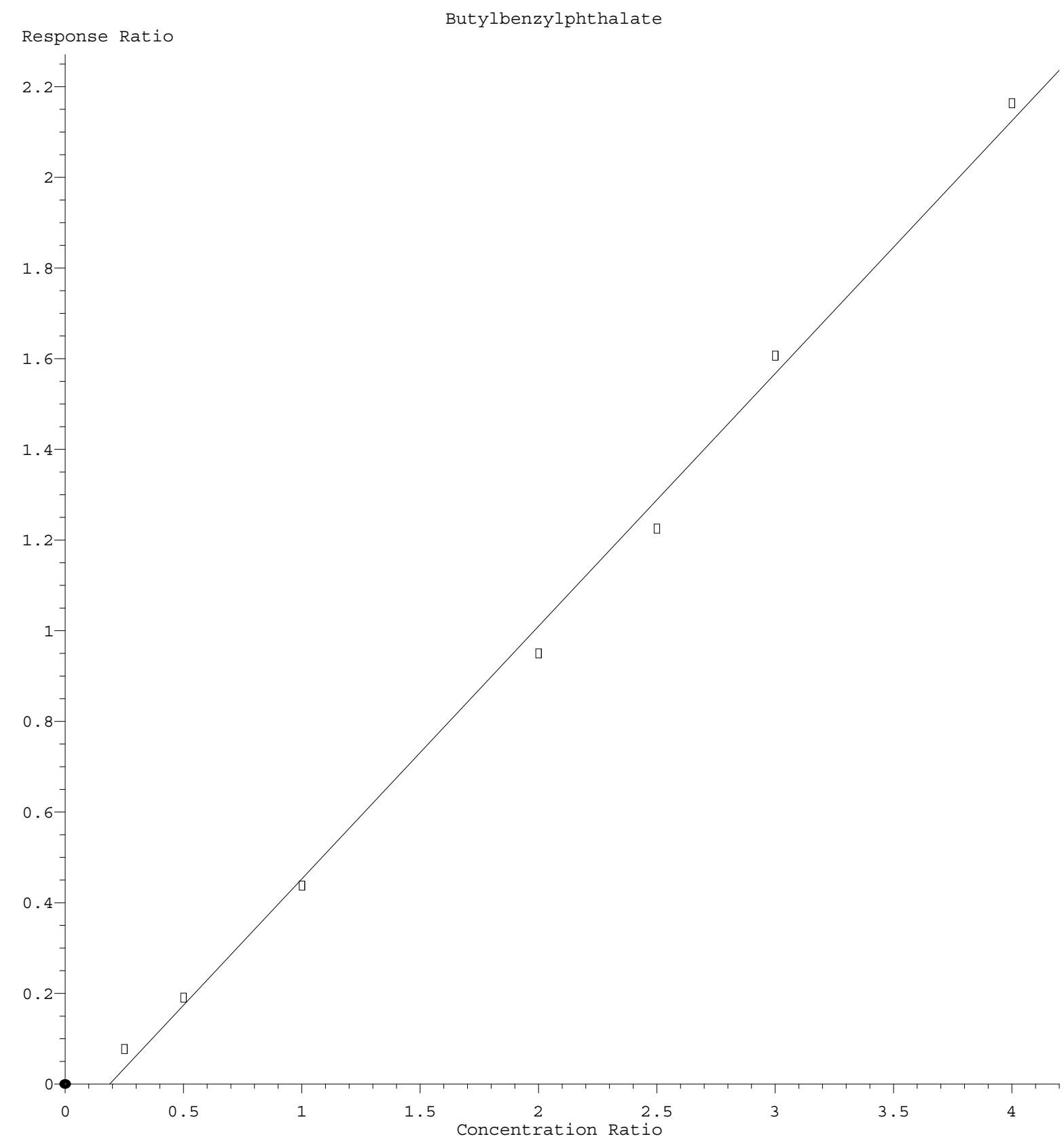

Response = 5.573e-001 * Amt - 1.050e-001
Coef of Det (r^2) = 0.996370 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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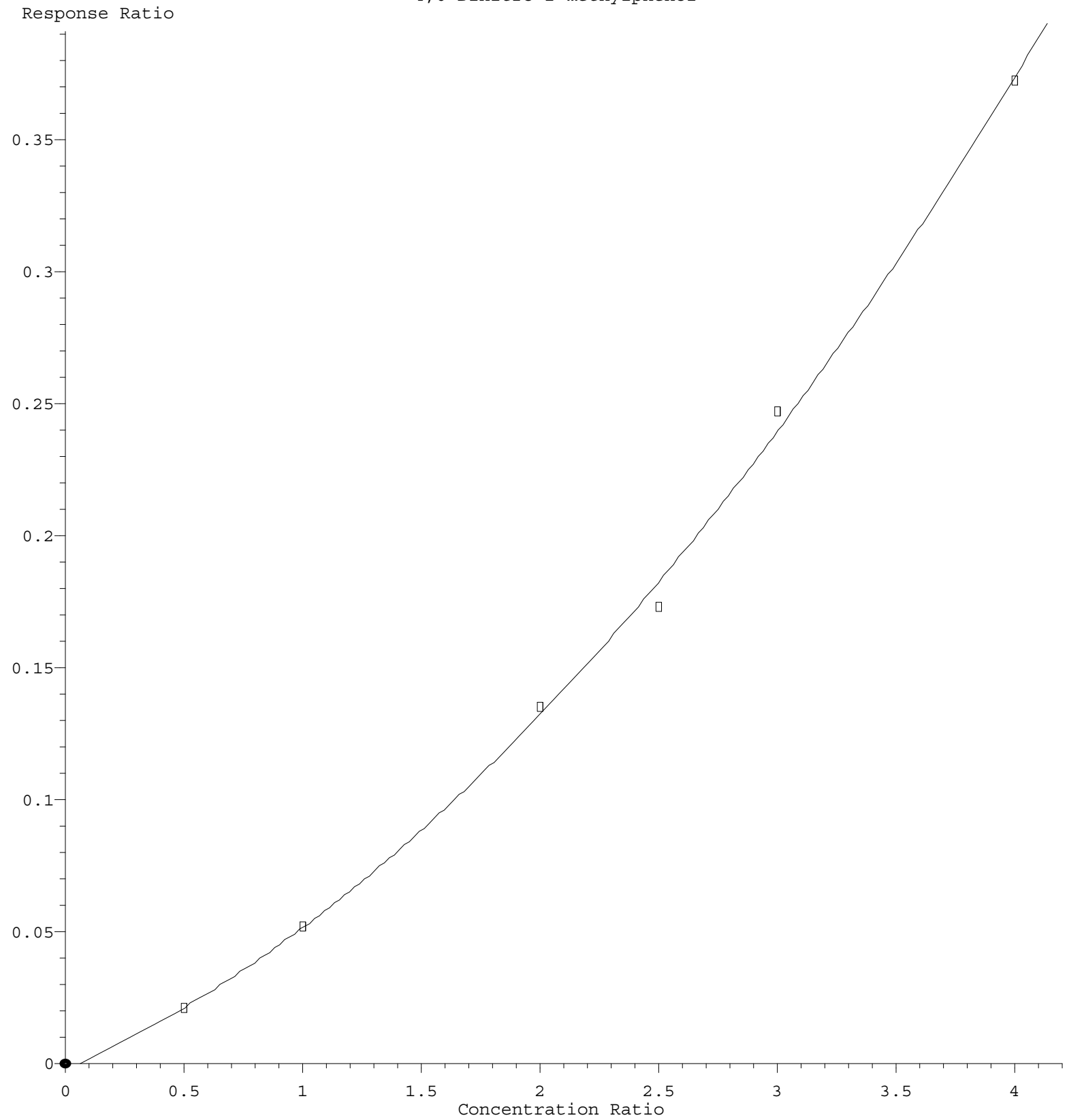
4,6-Dinitro-2-methylphenol



R = 1.338e-002 A*A + 4.046e-002 A - 2.317e-003
Coef of Det (r^2) = 0.998134 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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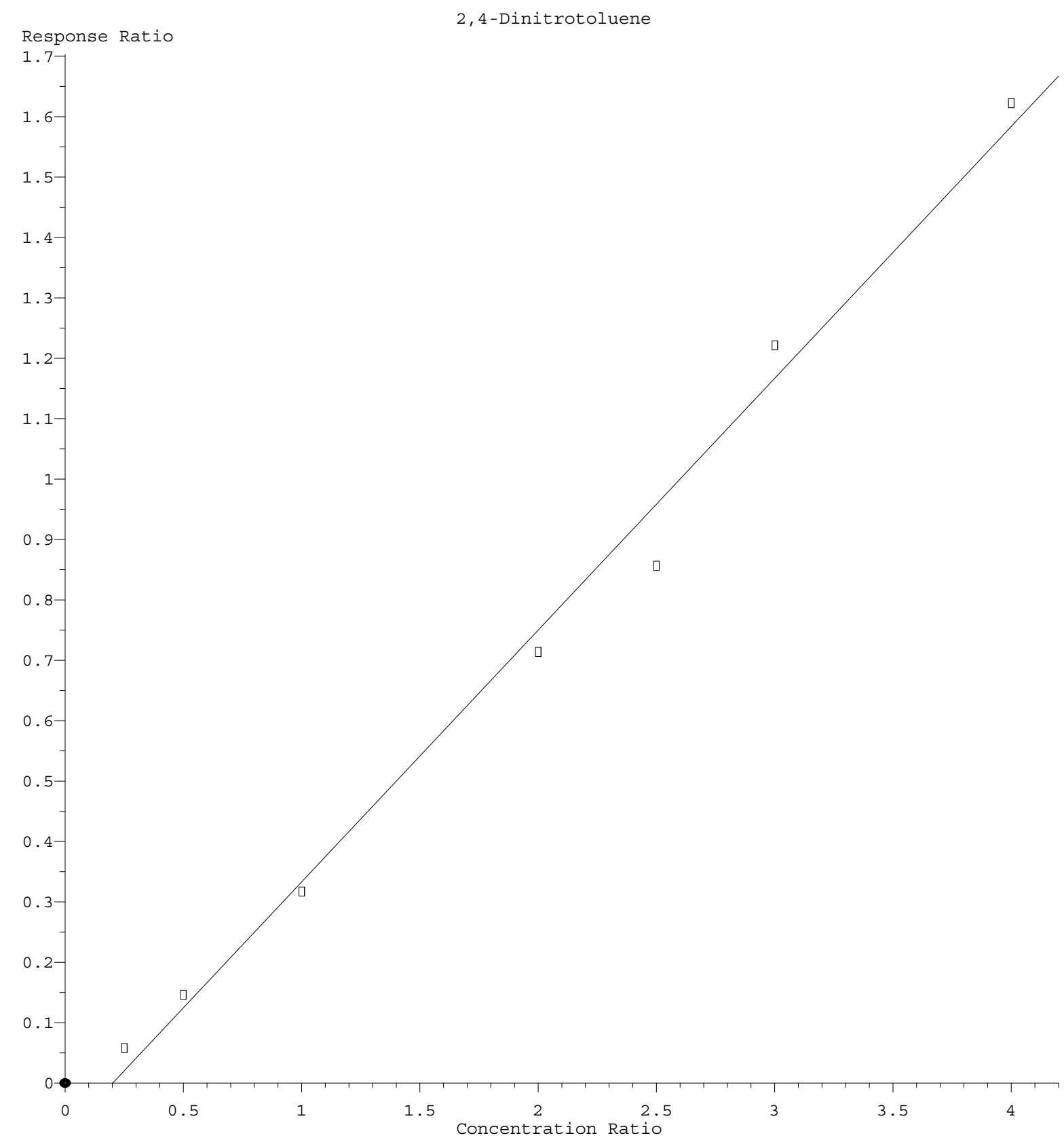

Response = 4.168e-001 * Amt - 8.390e-002
Coef of Det (r^2) = 0.990912 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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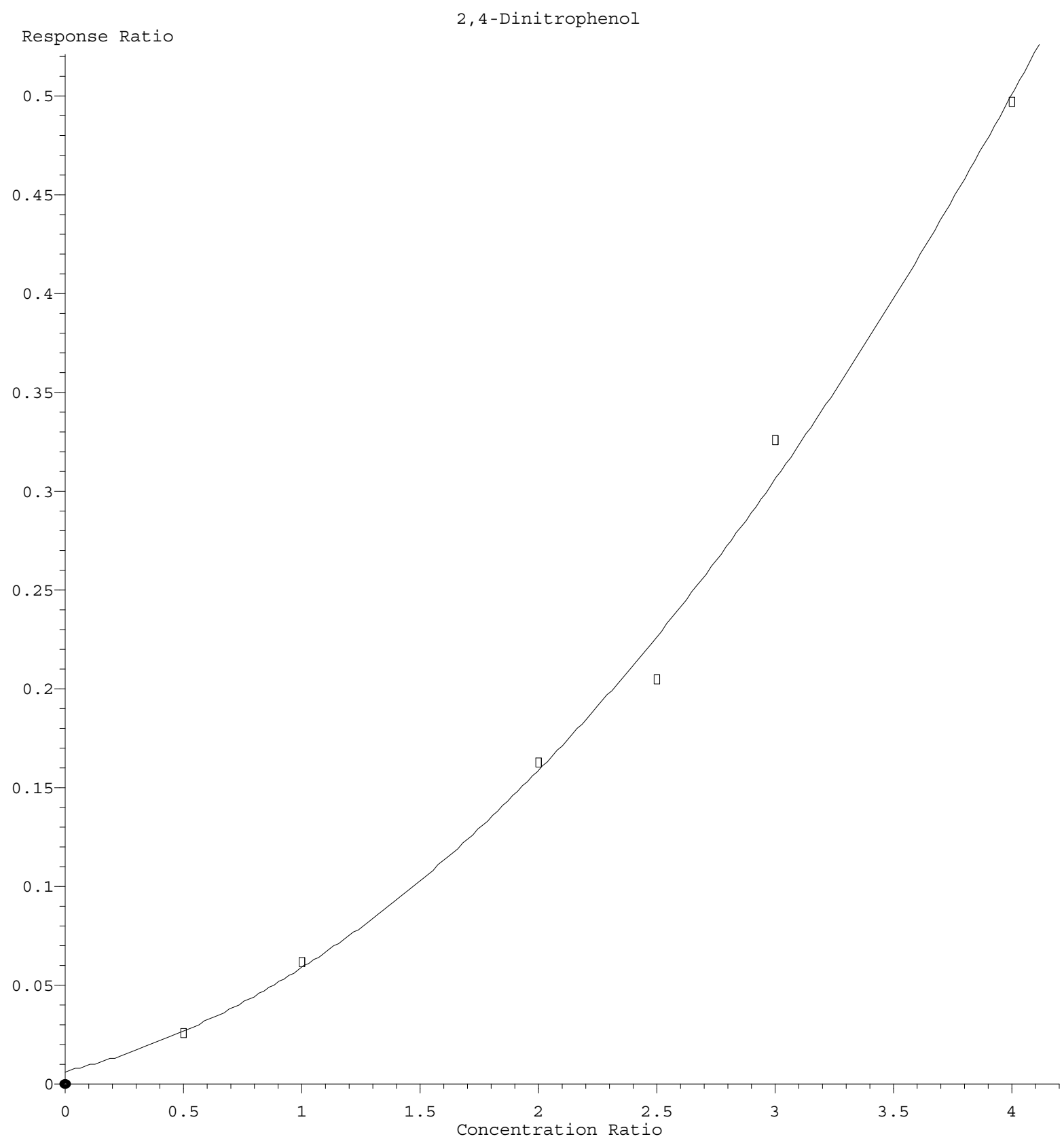

R = 2.369e-002 A*A + 2.882e-002 A + 6.398e-003
Coef of Det (r^2) = 0.994139 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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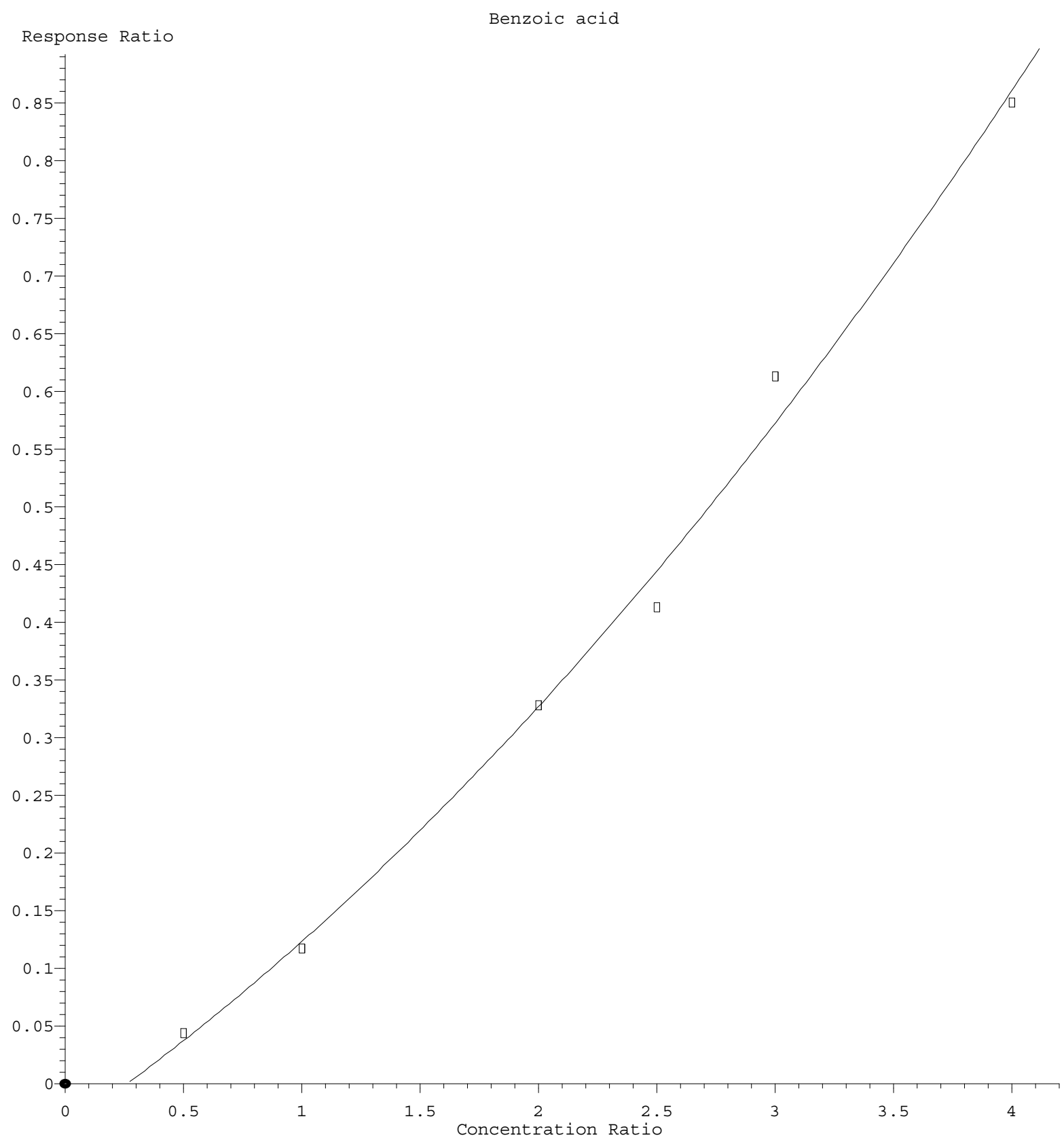

R = 2.109e-002 A*A + 1.403e-001 A - 3.816e-002
Coef of Det (r^2) = 0.993896 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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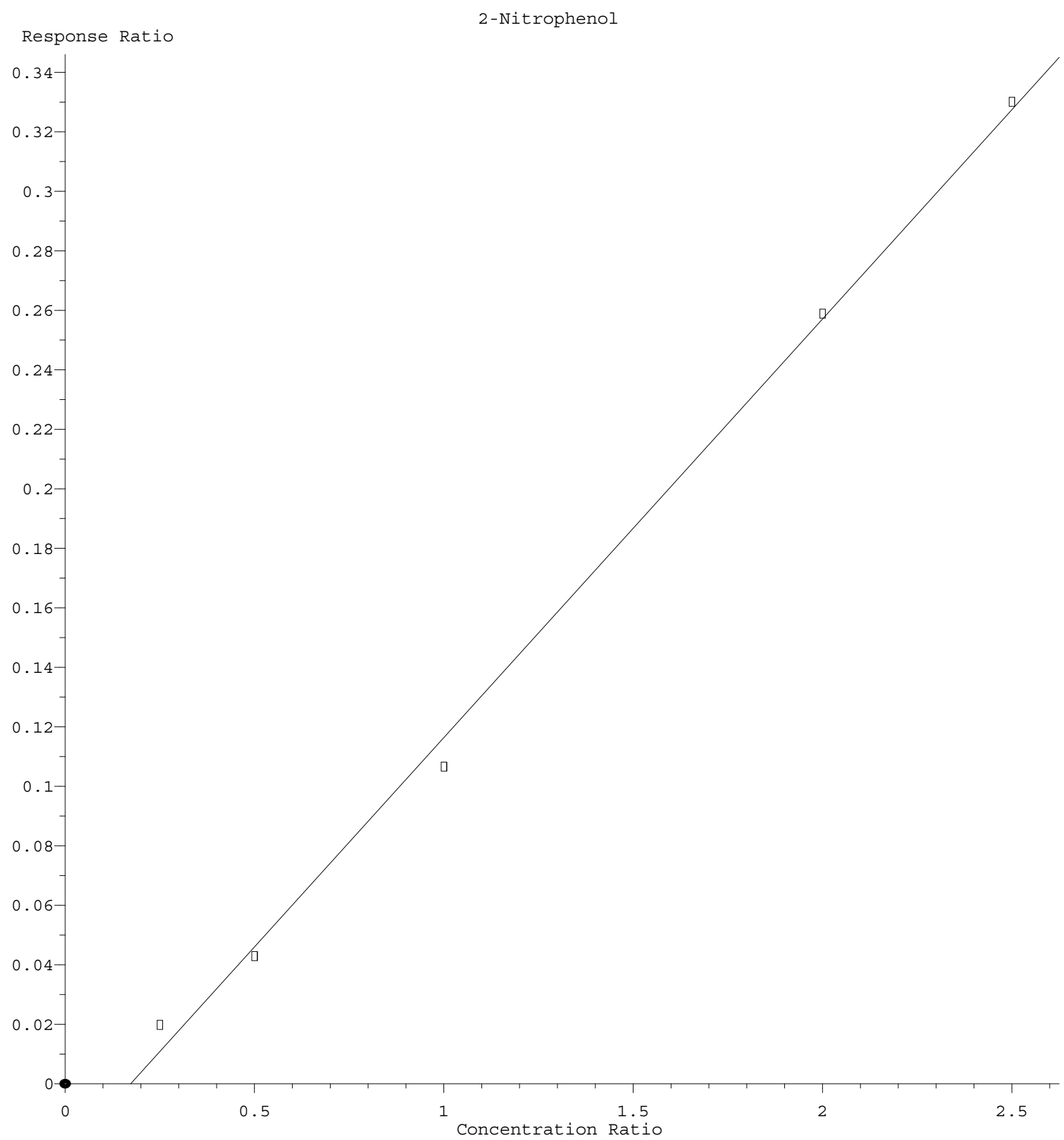

Response = 1.408e-001 * Amt - 2.440e-002
Coef of Det (r^2) = 0.997385 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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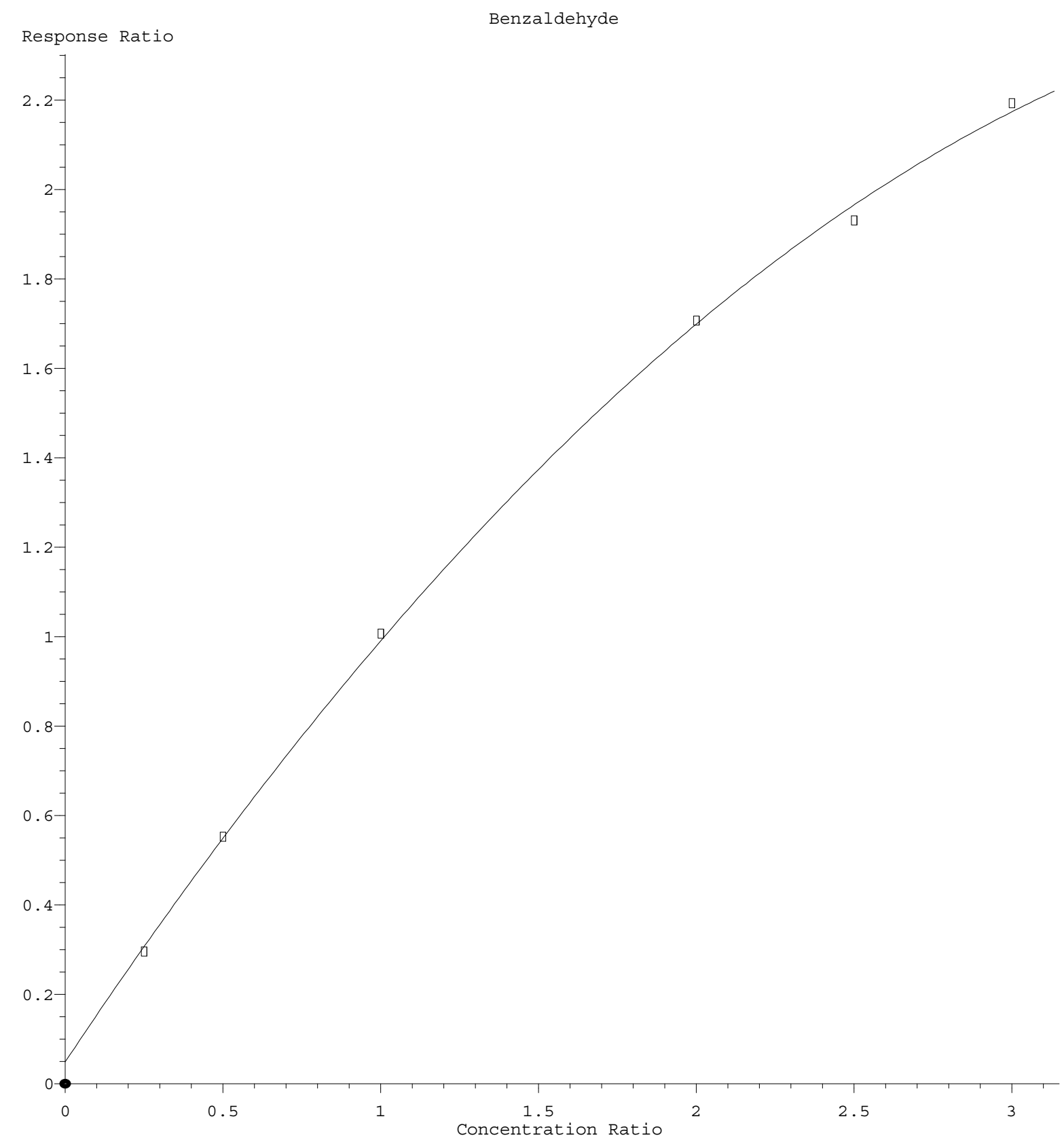

R = -1.166e-001 A*A + 1.058e+000 A + 4.927e-002
Coef of Det (r^2) = 0.999334 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052824.M
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