Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 18 00:16:03 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BP012654.D 5 =BP012655.D 10 =BP012656.D 20 =BP012657.D 40 =BP012658.D 50 =BP012659.D 60 =BP012660.D 80 =BP0126
61.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.471	0.495	0.455	0.414	0.453	0.418	0.404	0.444	7.51
3)		Pyridine		1.311	1.488	1.432	1.340	1.474	1.426	1.349	1.403	4.97
4)		n-Nitrosodimet...		0.605	0.615	0.603	0.587	0.628	0.591	0.565	0.599	3.38
5)	S	2-Fluorophenol		1.149	1.190	1.124	1.055	1.148	1.081	1.000	1.107	5.86
6)		Aniline		1.958	1.982	1.957	1.882	2.056	1.955	1.802	1.942	4.11
7)	S	Phenol-d6		1.564	1.631	1.587	1.495	1.606	1.521	1.384	1.541	5.45
8)		2-Chlorophenol		1.411	1.437	1.382	1.317	1.427	1.344	1.247	1.366	5.00
9)		Benzaldehyde		0.969	1.033	0.988	0.775	0.865	0.763		0.899	12.78
10)	C	Phenol		1.760	1.837	1.770	1.676	1.818	1.719	1.574	1.736	5.18
11)		bis(2-Chloroet...		1.450	1.465	1.398	1.339	1.441	1.341	1.249	1.383	5.64
12)		1,3-Dichlorobe...		1.615	1.625	1.535	1.436	1.561	1.468	1.376	1.517	6.15
13)	C	1,4-Dichlorobe...		1.625	1.664	1.572	1.462	1.598	1.502	1.401	1.546	6.10
14)		1,2-Dichlorobe...		1.603	1.598	1.526	1.404	1.513	1.430	1.314	1.484	7.18
15)		Benzyl Alcohol		1.116	1.111	1.130	1.129	1.250	1.194	1.108	1.148	4.66
16)		2,2'-oxybis(1-...		2.076	2.101	2.009	1.869	2.011	1.865	1.729	1.952	6.90
17)		2-Methylphenol		1.230	1.252	1.223	1.166	1.265	1.196	1.097	1.204	4.77
18)		Hexachloroethane		0.540	0.529	0.506	0.498	0.544	0.513	0.486	0.517	4.21
19)	P	n-Nitroso-di-n...	1.035	1.070	1.078	1.099	1.022	1.114	1.038	0.924	1.048	5.67
20)		3+4-Methylphenols		1.689	1.706	1.720	1.642	1.792	1.698	1.560	1.687	4.26
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.520	0.538	0.510	0.473	0.519	0.485	0.449	0.499	6.27
23)	S	Nitrobenzene-d5		0.275	0.290	0.301	0.324	0.362	0.343	0.330	0.318	9.70
24)		Nitrobenzene		0.309	0.324	0.334	0.344	0.383	0.363	0.348	0.343	7.17
25)		Isophorone		0.707	0.727	0.726	0.686	0.768	0.717	0.678	0.716	4.13
26)	C	2-Nitrophenol		0.109	0.116	0.127	0.155	0.180	0.176	0.180	0.149	21.03
27)		2,4-Dimethylph...		0.278	0.294	0.279	0.267	0.298	0.282	0.270	0.281	4.17
28)		bis(2-Chloroet...		0.409	0.415	0.406	0.392	0.435	0.407	0.384	0.407	4.00
29)	C	2,4-Dichloroph...		0.303	0.318	0.319	0.320	0.358	0.341	0.329	0.327	5.49
30)		1,2,4-Trichlor...		0.350	0.359	0.344	0.335	0.372	0.353	0.343	0.351	3.43
31)		Naphthalene		1.134	1.168	1.110	1.046	1.151	1.081	1.008	1.100	5.27
32)		Benzoic acid			0.155	0.189	0.224	0.254	0.246	0.251	0.220	18.16
33)		4-Chloroaniline		0.444	0.460	0.460	0.440	0.495	0.467	0.442	0.458	4.20
34)	C	Hexachlorobuta...		0.206	0.210	0.200	0.199	0.220	0.208	0.208	0.207	3.44
35)		Caprolactam		0.087	0.093	0.104	0.105	0.123	0.118	0.114	0.106	12.35
36)	C	4-Chloro-3-met...		0.334	0.349	0.355	0.336	0.383	0.360	0.338	0.351	4.92
37)		2-Methylnaphth...		0.807	0.818	0.799	0.747	0.830	0.779	0.726	0.786	4.85
38)		1-Methylnaphth...		0.805	0.809	0.786	0.734	0.813	0.758	0.704	0.773	5.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.594	0.567	0.566	0.620	0.586	0.572	0.583	3.29
41)	P	Hexachlorocycl...		0.188	0.187	0.226	0.260	0.249		0.222	15.33
42)	S	2,4,6-Tribromo...	0.213	0.222	0.227	0.220	0.248	0.237	0.235	0.229	5.17
43)	C	2,4,6-Trichlor...	0.385	0.401	0.400	0.410	0.459	0.432	0.421	0.415	5.90
44)		2,4,5-Trichlor...	0.420	0.451	0.449	0.452	0.505	0.476	0.463	0.459	5.73
45)	S	2-Fluorobiphenyl	1.437	1.476	1.370	1.257	1.370	1.265	1.130	1.329	8.97
46)		1,1'-Biphenyl	1.566	1.585	1.507	1.433	1.561	1.457	1.360	1.496	5.53
47)		2-Chloronaphth...	1.207	1.263	1.189	1.137	1.248	1.168	1.102	1.188	4.87
48)		2-Nitroaniline	0.141	0.158	0.184	0.259	0.309	0.302	0.312	0.238	31.57
49)		Acenaphthylene	1.957	2.031	1.960	1.860	2.052	1.925	1.782	1.938	4.85
50)		Dimethylphthalate	1.596	1.631	1.596	1.505	1.674	1.559	1.466	1.575	4.56
51)		2,6-Dinitrotol...	0.171	0.214	0.253	0.300	0.344	0.328	0.324	0.276	23.70
52)	C	Acenaphthene	1.237	1.281	1.244	1.188	1.318	1.231	1.159	1.237	4.32
53)		3-Nitroaniline	0.203	0.246	0.300	0.338	0.389	0.374	0.364	0.316	22.19
54)	P	2,4-Dinitrophenol		0.093	0.115	0.150	0.184	0.182	0.195	0.153	27.08
55)		Dibenzofuran	1.953	1.996	1.913	1.767	1.949	1.814	1.678	1.867	6.24
56)	P	4-Nitrophenol		0.237	0.278	0.292	0.339	0.321	0.311	0.296	12.15
57)		2,4-Dinitrotol...	0.213	0.263	0.330	0.399	0.468	0.448	0.450	0.367	27.33
58)		Fluorene	1.622	1.644	1.570	1.369	1.493	1.375	1.214	1.470	10.71
59)		2,3,4,6-Tetrac...	0.387	0.403	0.411	0.403	0.453	0.425	0.413	0.414	5.12
60)		Diethylphthalate	1.519	1.559	1.579	1.499	1.672	1.553	1.467	1.550	4.27
61)		4-Chlorophenyl...	0.764	0.757	0.732	0.665	0.728	0.679	0.620	0.706	7.49
62)		4-Nitroaniline	0.198	0.242	0.299	0.326	0.379	0.363	0.360	0.309	21.97
63)		Azobenzene	1.442	1.500	1.495	1.356	1.480	1.371	1.267	1.416	6.19
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.062	0.076	0.099	0.116	0.115	0.121	0.098	24.86
66)	c	n-Nitrosodiphe...	0.615	0.635	0.599	0.575	0.623	0.580	0.546	0.596	5.24
67)		4-Bromophenyl-...	0.212	0.214	0.202	0.202	0.220	0.209	0.205	0.209	3.18
68)		Hexachlorobenzene	0.243	0.252	0.237	0.233	0.255	0.242	0.237	0.243	3.37
69)		Atrazine	0.132	0.142	0.152	0.158	0.180	0.170	0.165	0.157	10.56
70)	C	Pentachlorophenol	0.138	0.150	0.151	0.156	0.175	0.168	0.163	0.157	7.96
71)		Phenanthrene	1.200	1.225	1.165	1.085	1.174	1.093	0.998	1.134	6.99
72)		Anthracene	1.144	1.172	1.127	1.043	1.141	1.067	0.968	1.095	6.57
73)		Carbazole	1.070	1.117	1.090	0.993	1.081	1.010	0.916	1.039	6.73
74)		Di-n-butylphth...	0.879	0.957	1.058	1.135	1.265	1.192	1.099	1.084	12.26
75)	C	Fluoranthene	1.392	1.436	1.413	1.282	1.409	1.307	1.168	1.344	7.19
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.129	0.182	0.331	0.339	0.338	0.332	0.275	34.28
78)		Pyrene	1.418	1.458	1.389	1.391	1.519	1.387	1.333	1.413	4.23
79)	S	Terphenyl-d14	1.027	1.034	0.961	0.887	0.955	0.856	0.759	0.926	10.63
80)		Butylbenzylpht...	0.162	0.174	0.191	0.286	0.357	0.361		0.255	35.86
81)		Benzo(a)anthra...	1.403	1.459	1.413	1.351	1.497	1.390	1.302	1.402	4.62
82)		3,3'-Dichlorob...		0.264	0.310	0.366	0.420	0.396	0.362	0.353	16.21
83)		Chrysene	1.359	1.399	1.341	1.275	1.415	1.296	1.223	1.330	5.18
84)		Bis(2-ethylhex...	0.269	0.291	0.350	0.499	0.615	0.596	0.616	0.462	33.71
85)	c	Di-n-octyl pht...		0.522	0.648	0.968	1.224	1.216	1.291	0.978	33.36#

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
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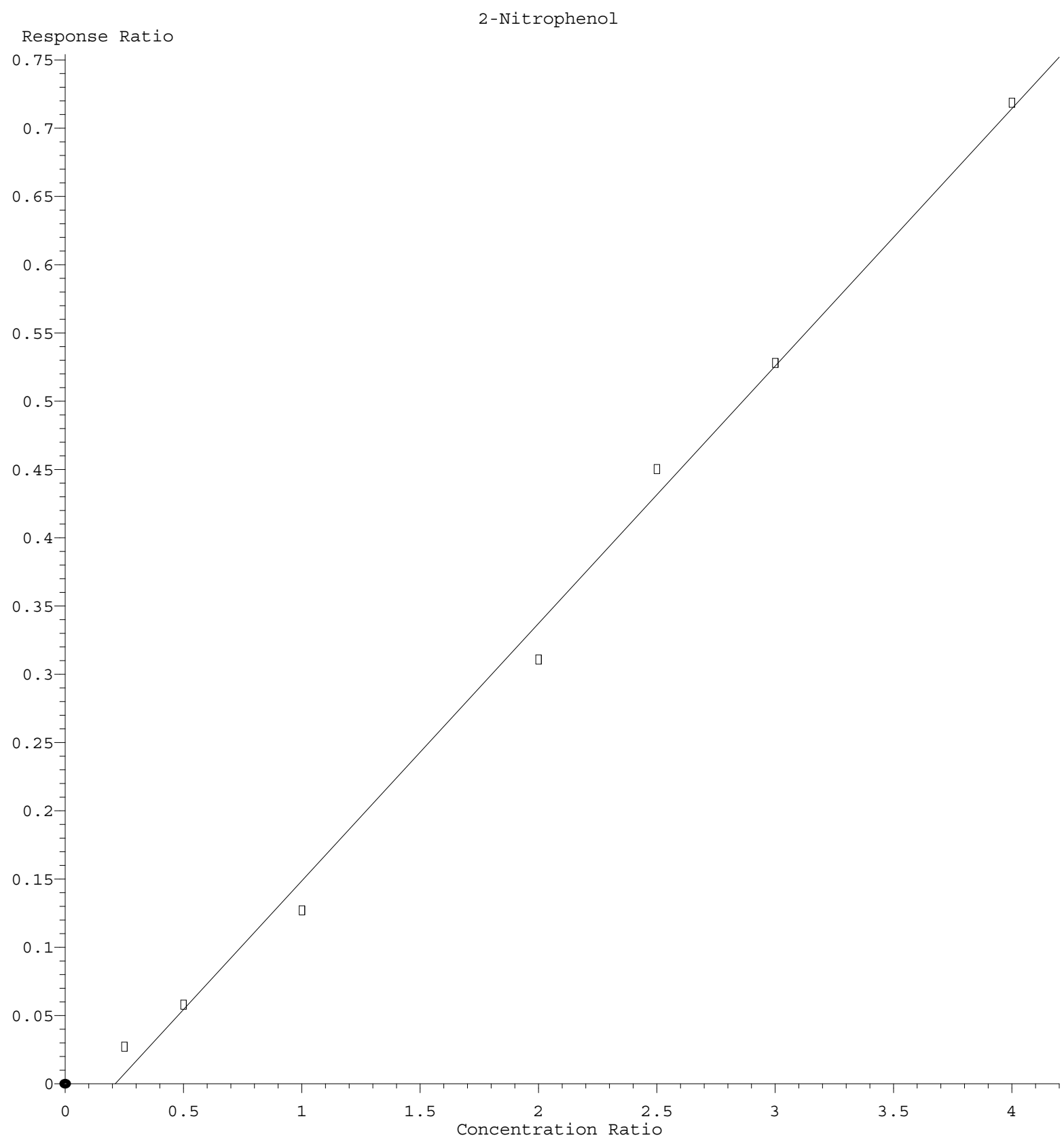
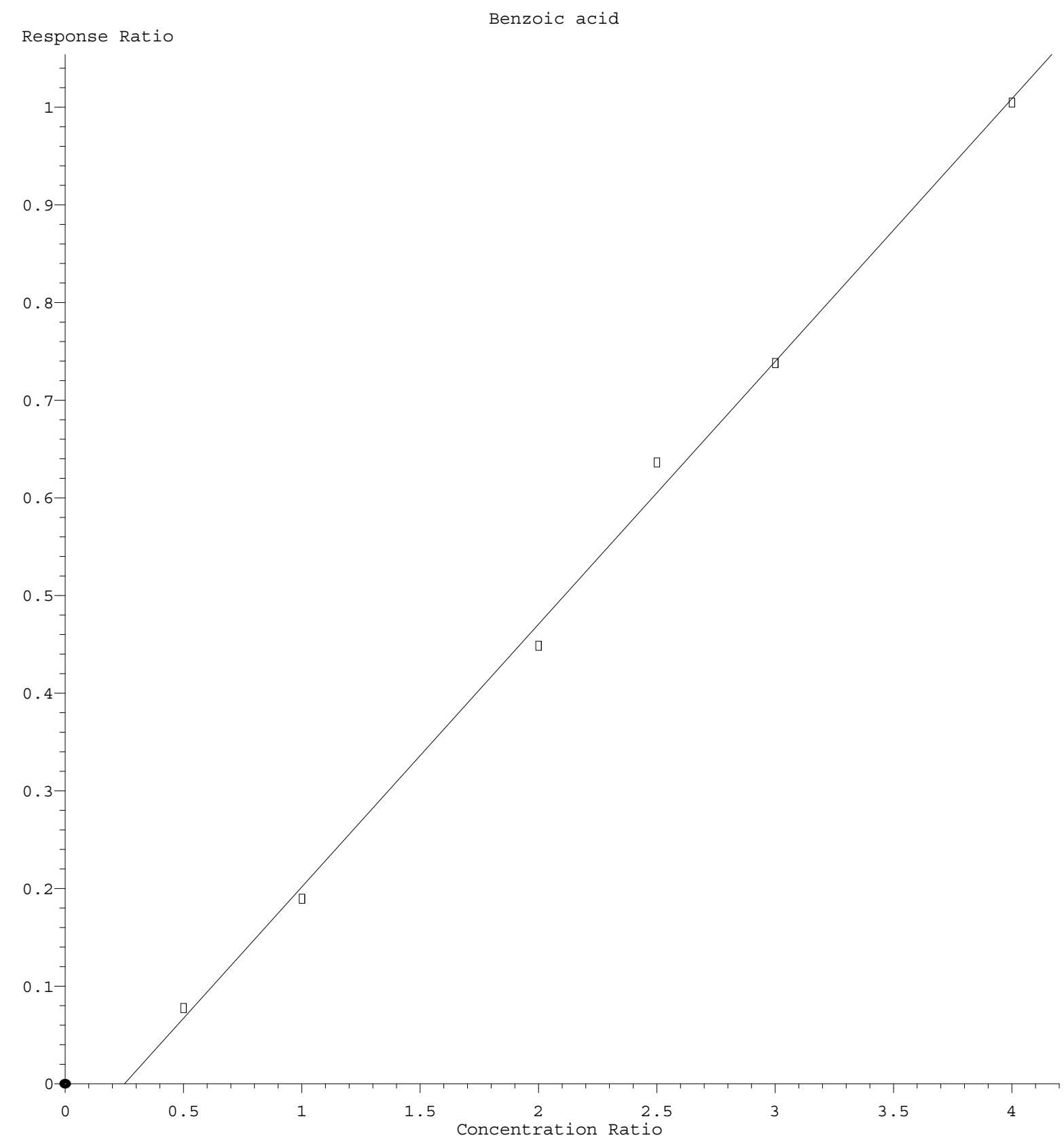
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.516	1.533	1.330	1.592	1.527	1.274	1.456	8.09
88)		Benzo(b)fluora...	1.300	1.366	1.304	1.289	1.409	1.295	1.306	1.324	3.43
89)		Benzo(k)fluora...	1.299	1.346	1.326	1.266	1.384	1.297	1.292	1.316	3.01
90)	C	Benzo(a)pyrene	1.026	1.101	1.088	1.070	1.193	1.122	1.091	1.099	4.65
91)		Dibenzo(a,h)an...	1.179	1.263	1.269	1.109	1.310	1.251	1.046	1.204	8.02
92)		Benzo(g,h,i)pe...	1.154	1.218	1.240	1.053	1.276	1.232	1.013	1.169	8.62

(#) = Out of Range



Response = 1.887e-001 * Amt - 4.008e-002
Coef of Det (r^2) = 0.995245 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



Response = 2.693e-001 * Amt - 6.767e-002
Coef of Det (r^2) = 0.997147 Curve Fit: Linear
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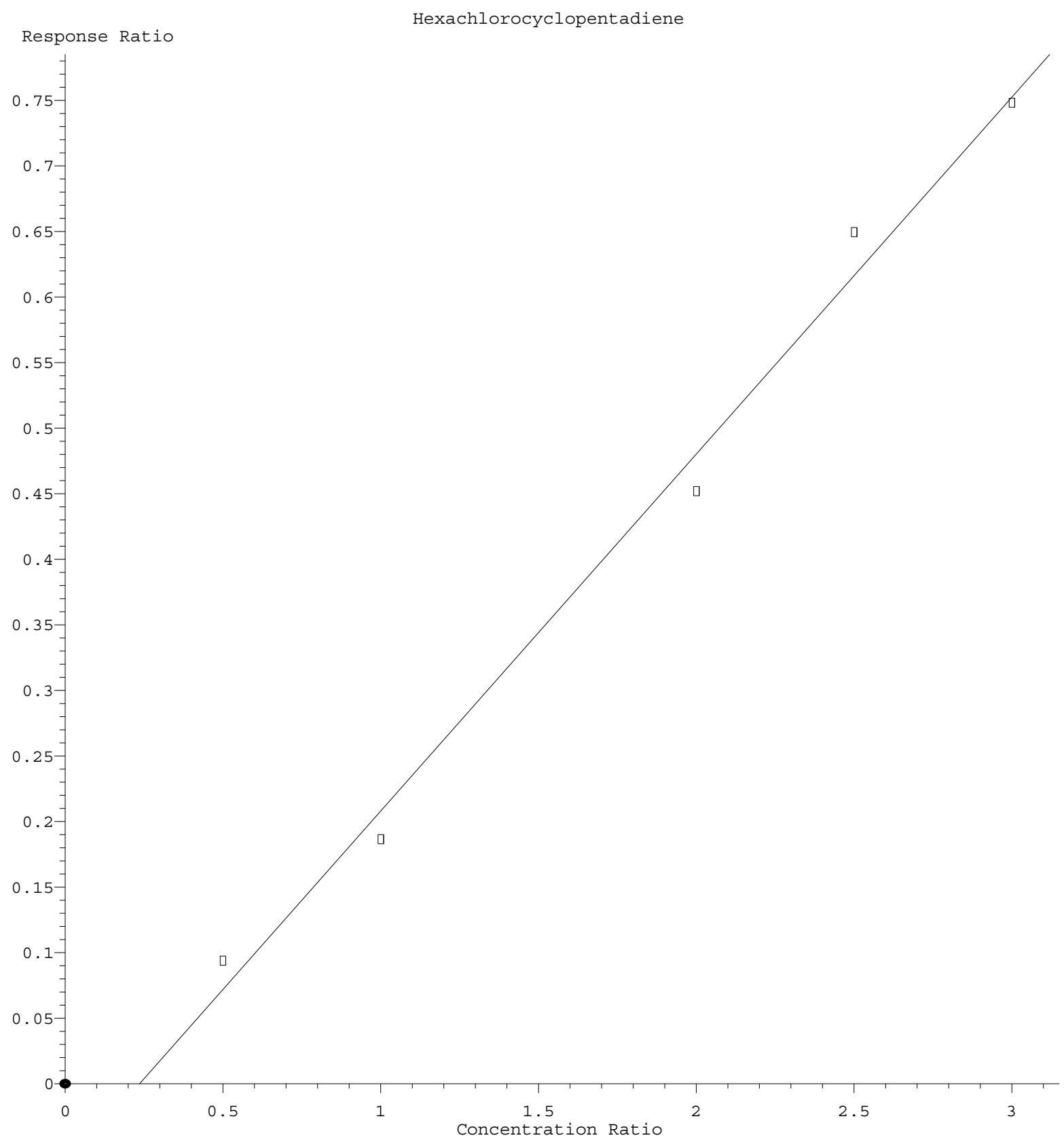
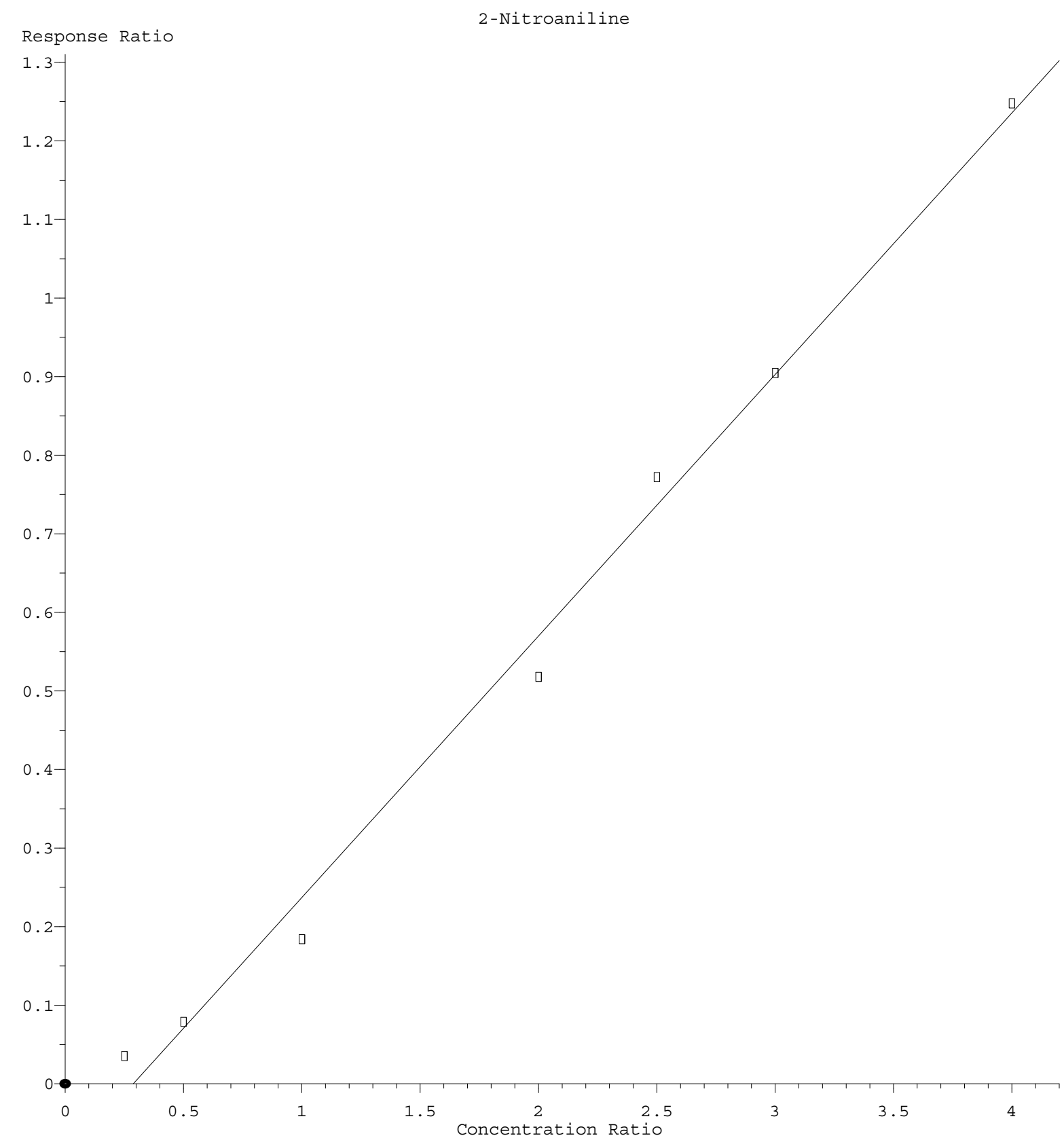
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



Response = 2.724e-001 * Amt - 6.443e-002
Coef of Det (r^2) = 0.991121 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



Response = 3.329e-001 * Amt - 9.589e-002
Coef of Det (r^2) = 0.992742 Curve Fit: Linear
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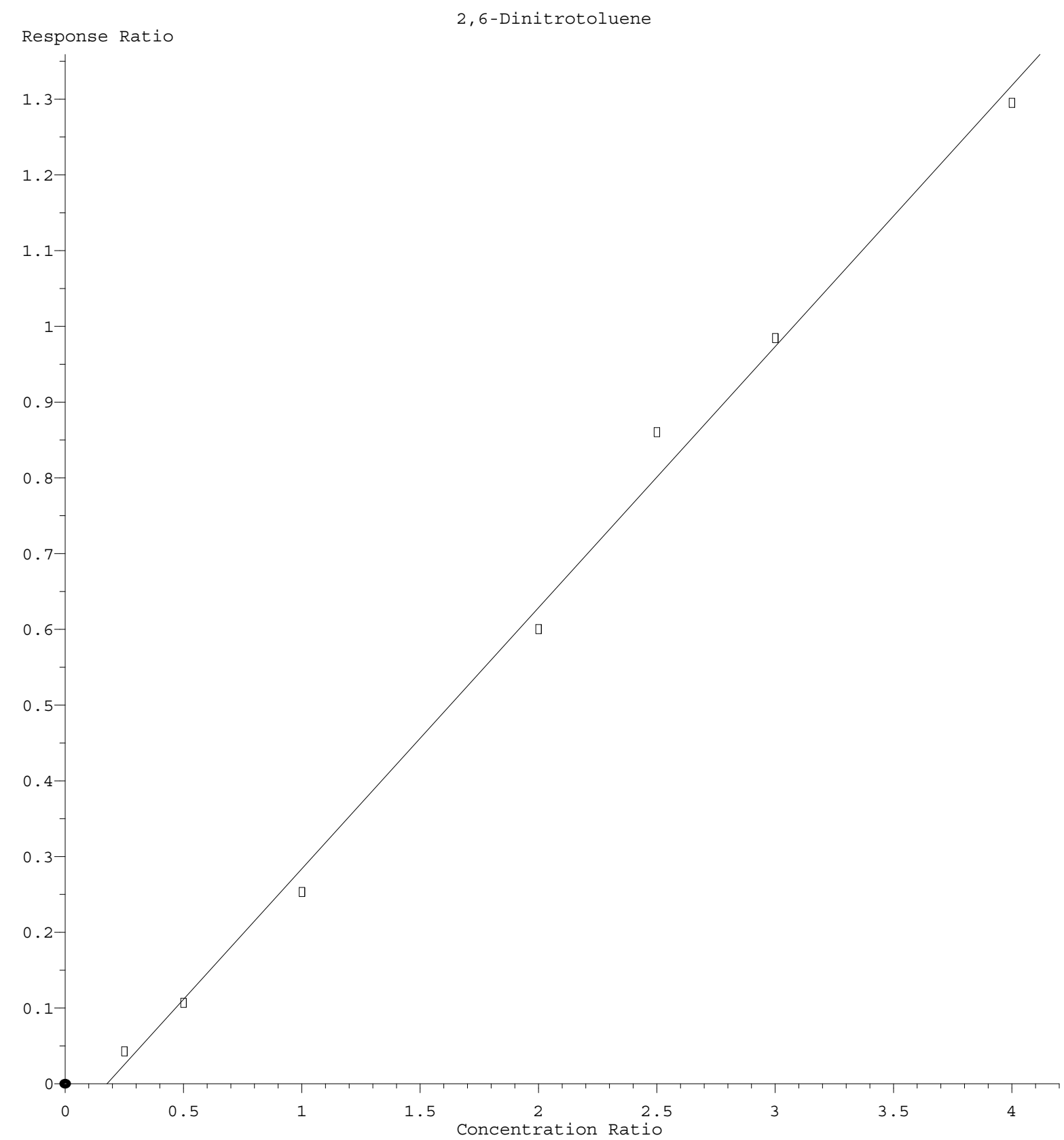
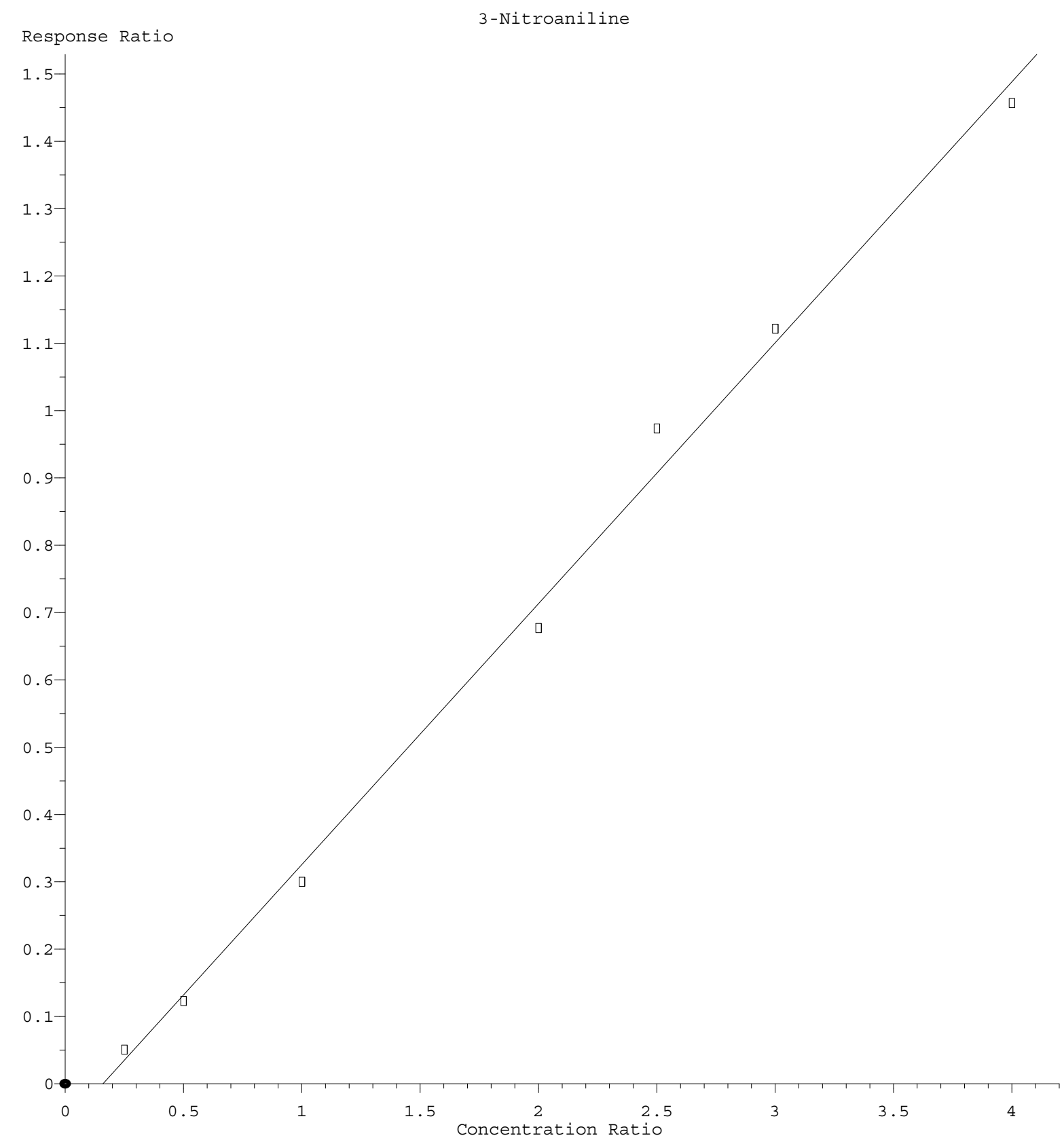
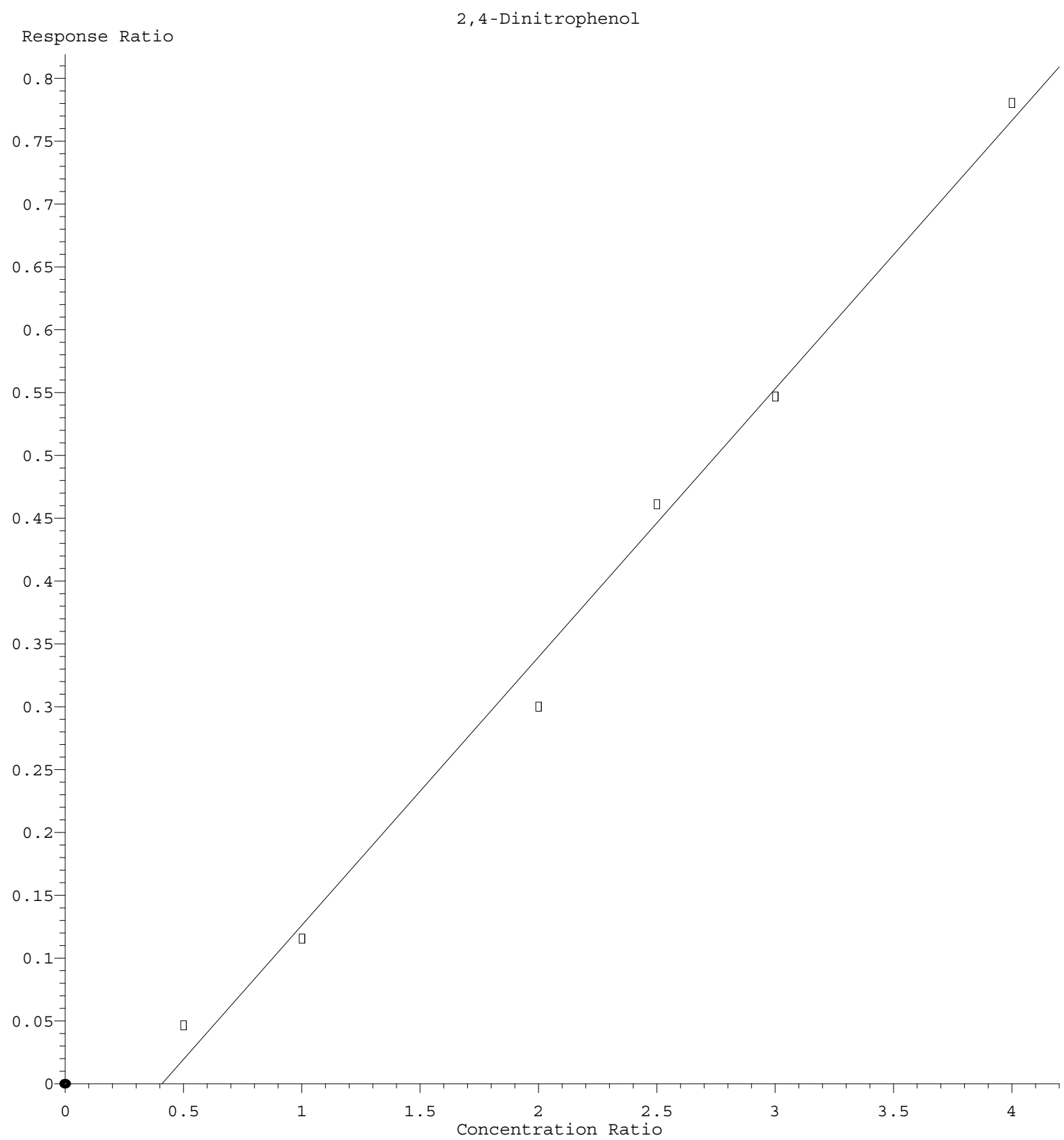
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



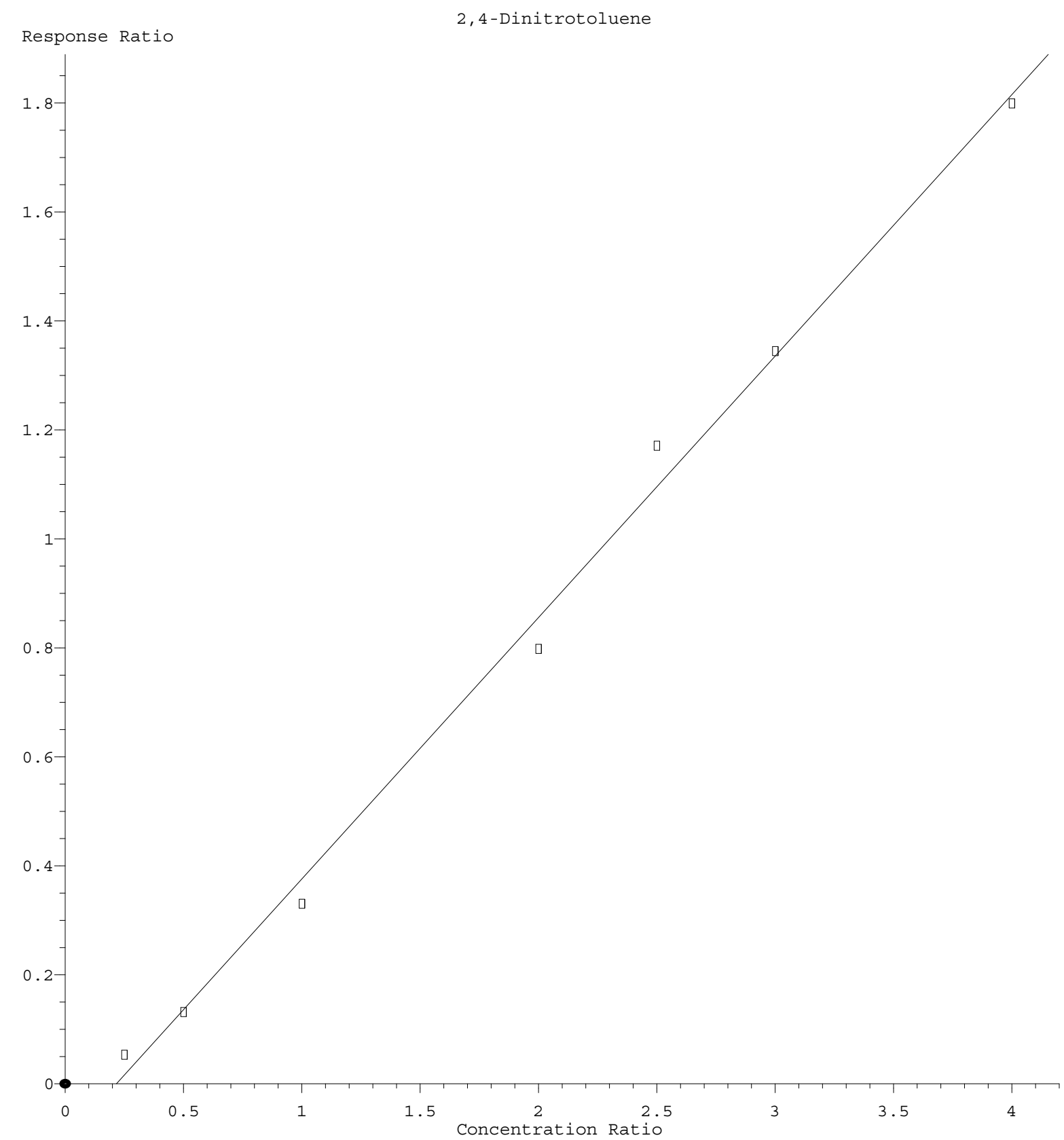
Response = 3.449e-001 * Amt - 6.106e-002
Coef of Det (r^2) = 0.995457 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



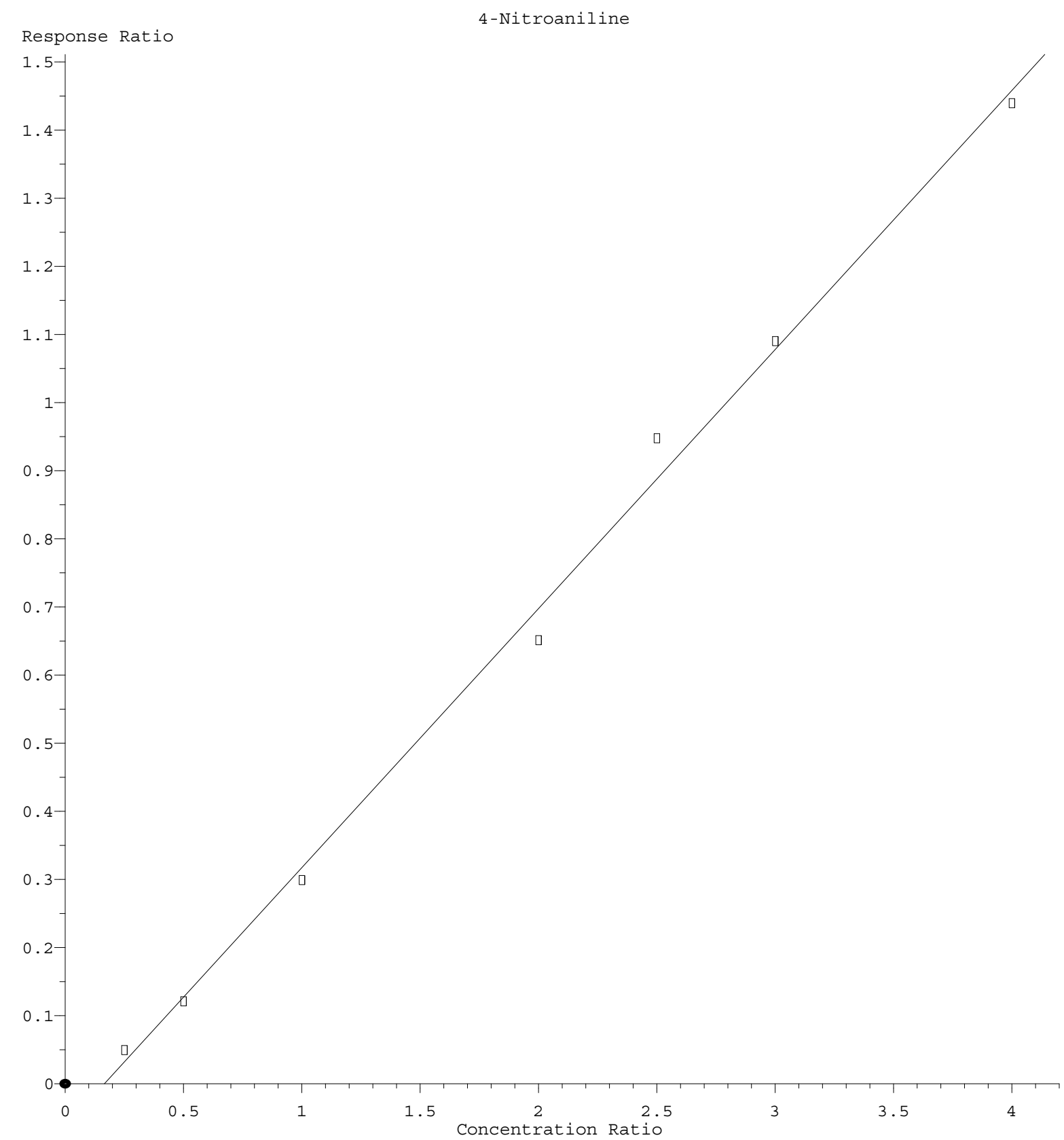
Response = 3.877e-001 * Amt - 6.221e-002
Coef of Det (r^2) = 0.995302 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



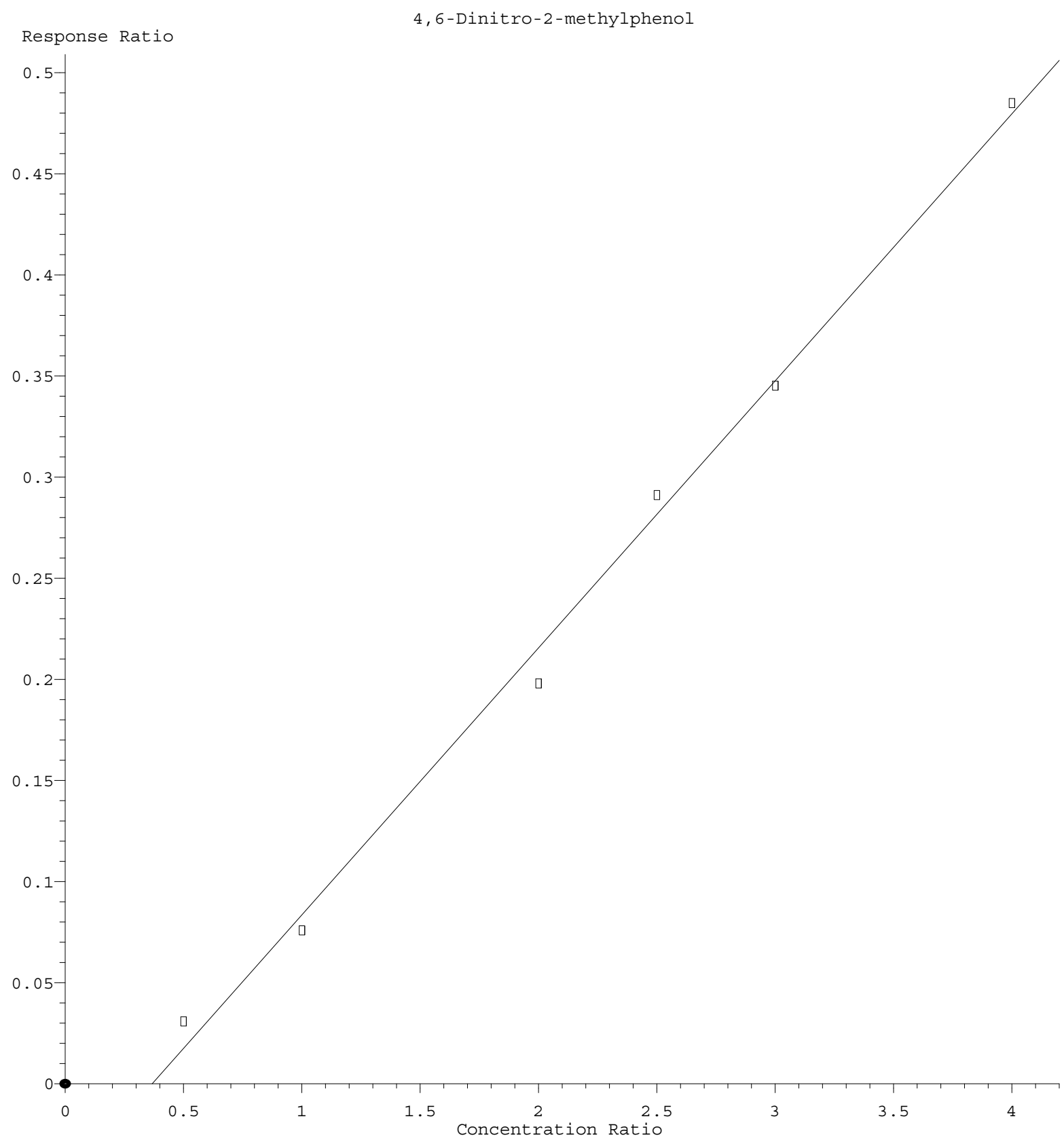
Response = 2.133e-001 * Amt - 8.717e-002
Coef of Det (r^2) = 0.992509 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



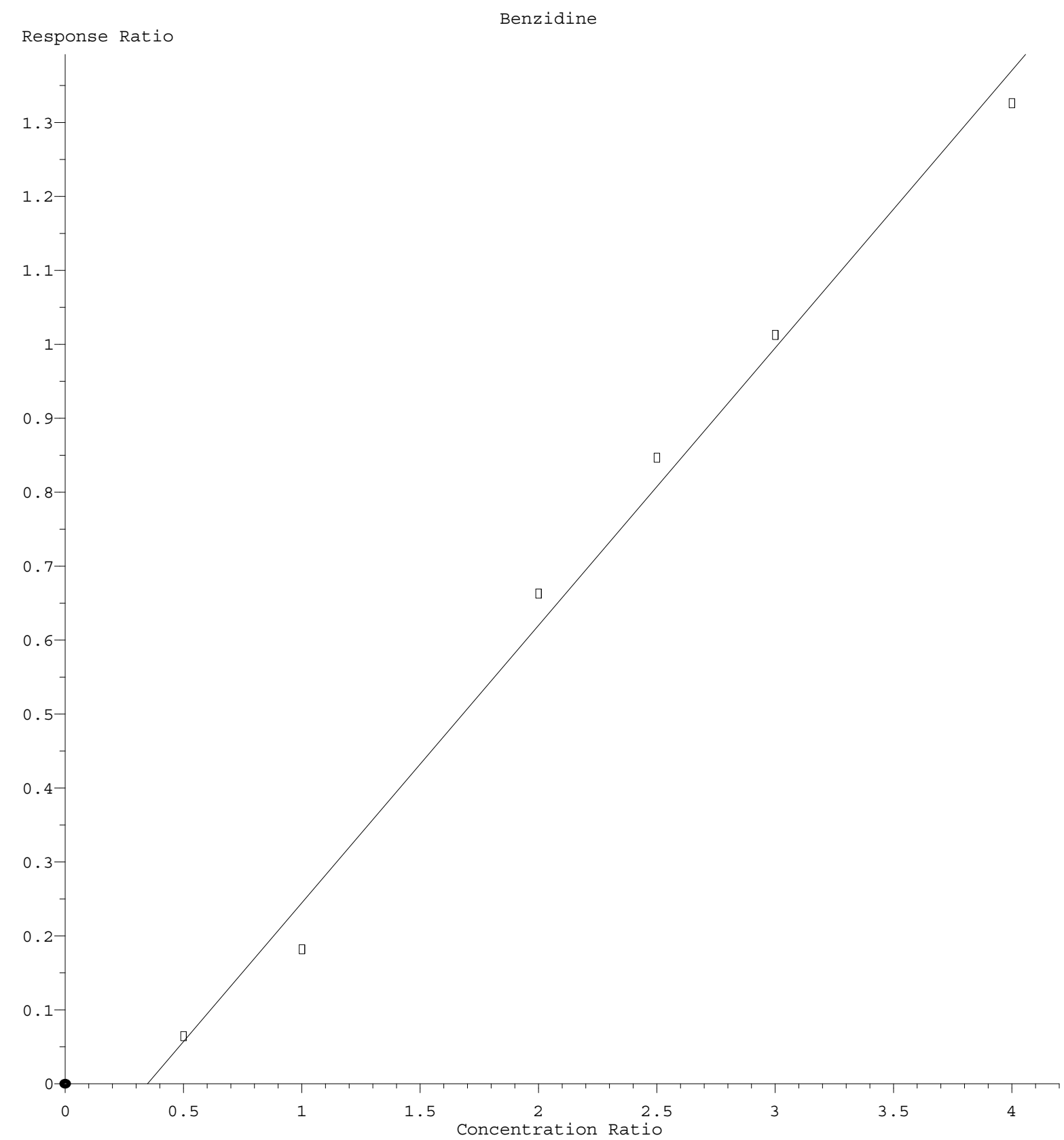
Response = 4.799e-001 * Amt - 1.044e-001
Coef of Det (r^2) = 0.995182 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



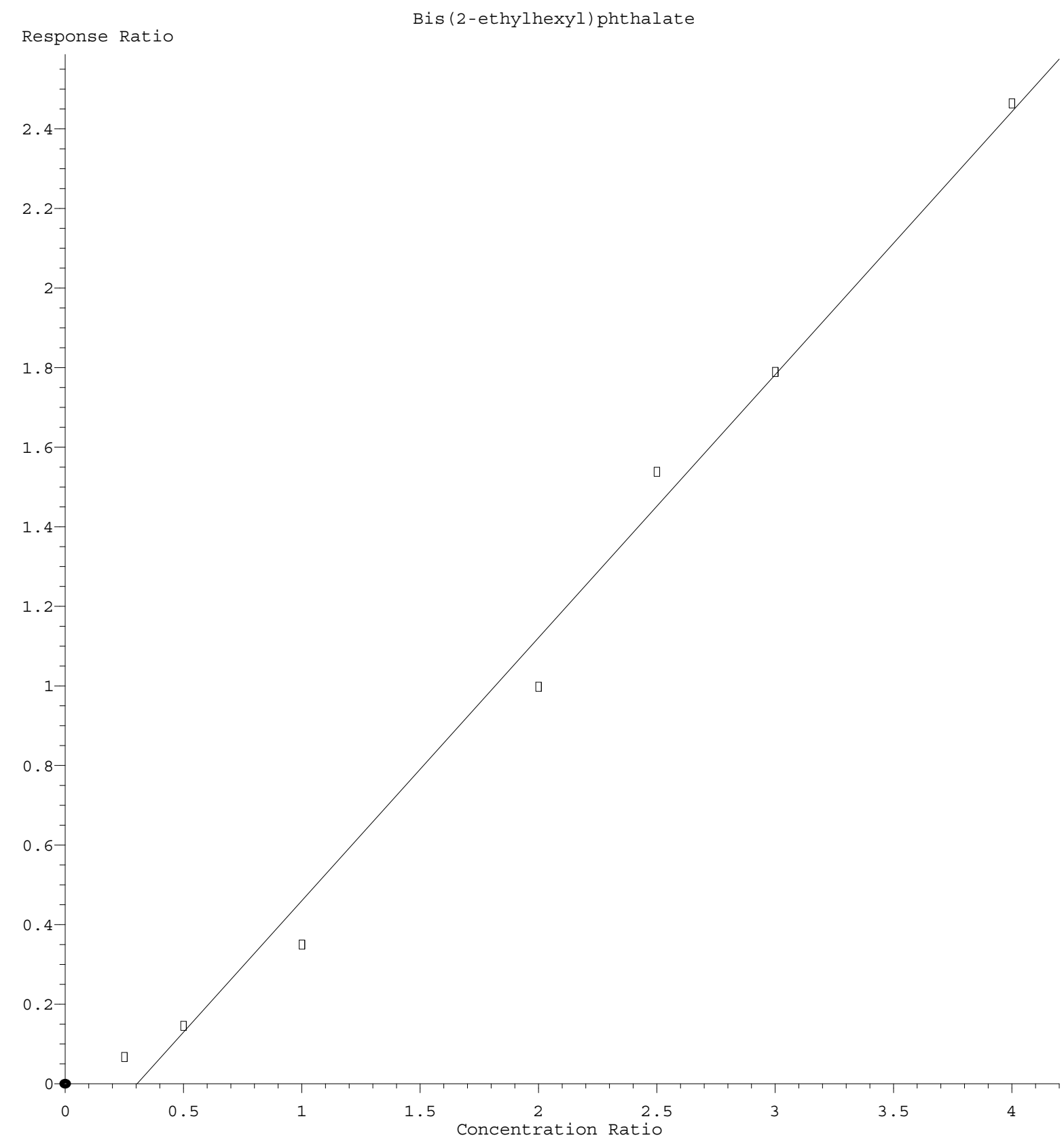
Response = 3.805e-001 * Amt - 6.334e-002
Coef of Det (r^2) = 0.995856 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



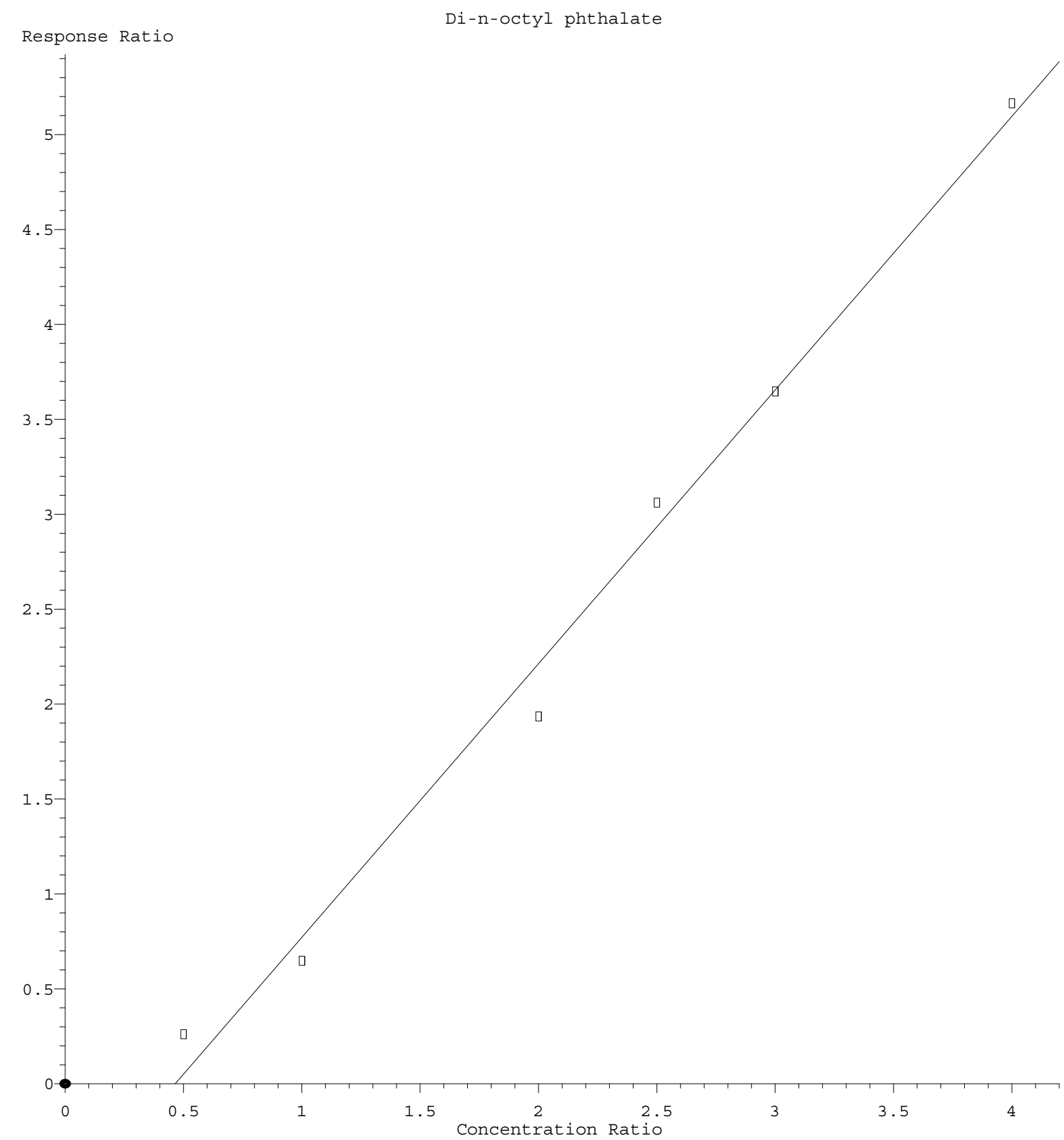
Response = 1.321e-001 * Amt - 4.857e-002
Coef of Det (r^2) = 0.995410 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



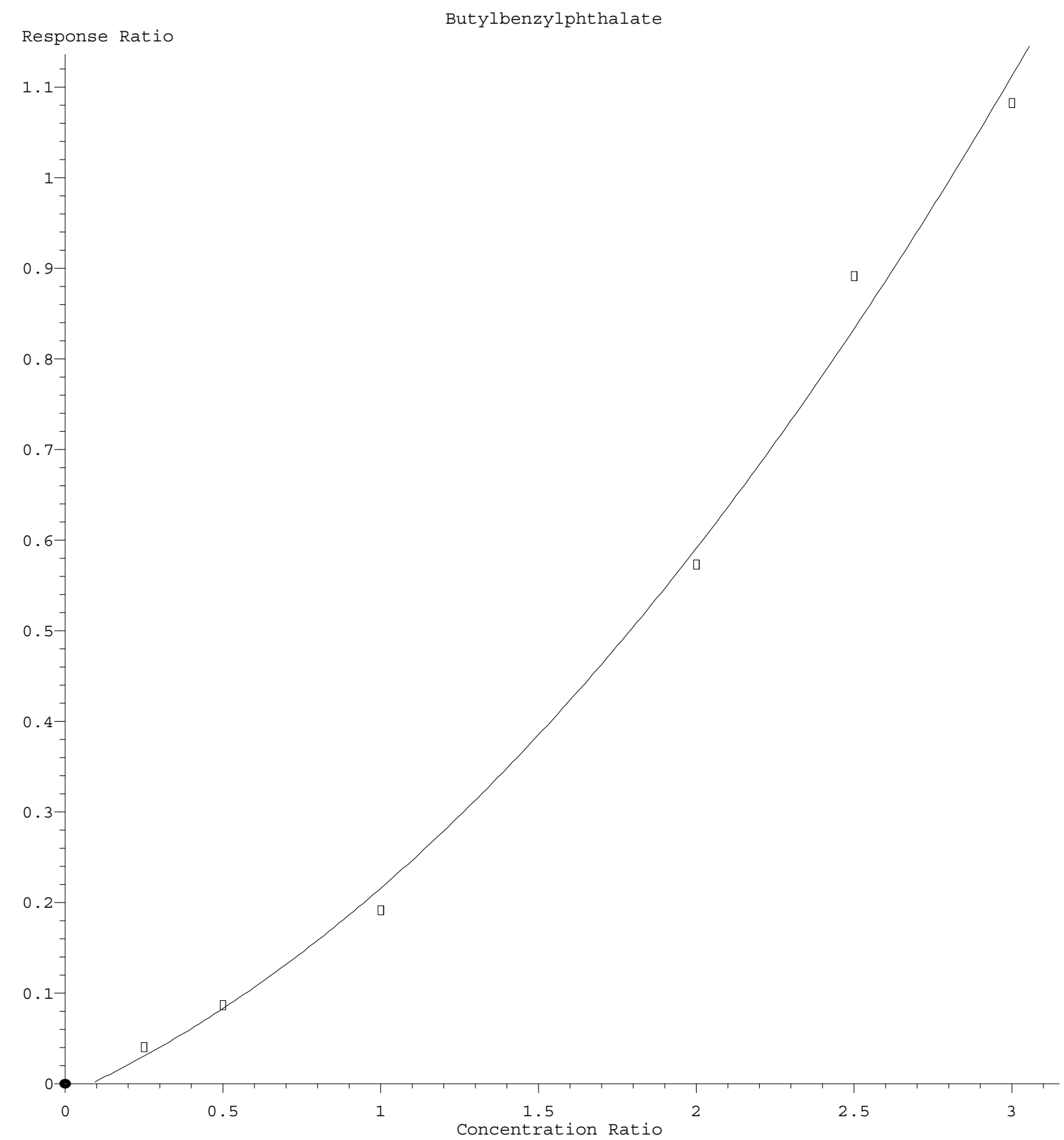
Response = 3.753e-001 * Amt - 1.307e-001
Coef of Det (r^2) = 0.991849 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



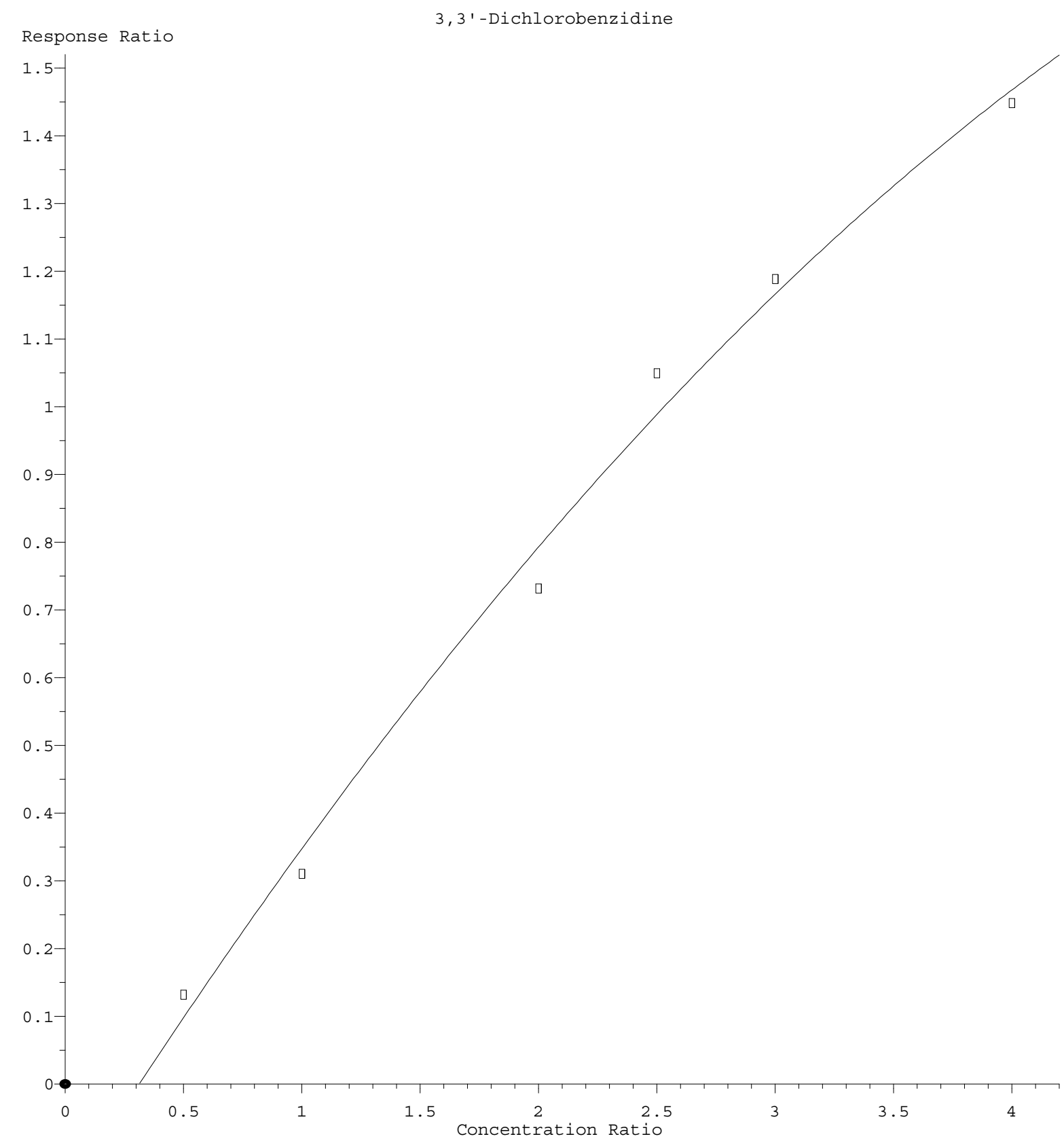
Response = 6.608e-001 * Amt - 2.007e-001
Coef of Det (r^2) = 0.990879 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



Response = 1.442e+000 * Amt - 6.710e-001
Coef of Det (r^2) = 0.990977 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



R = 7.309e-002 A*A + 1.558e-001 A - 1.322e-002
Coef of Det (r^2) = 0.994565 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022



R = -3.598e-002 A*A + 5.533e-001 A - 1.700e-001
Coef of Det (r^2) = 0.991780 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP111722.M
Calibration Table Last Updated: Fri Nov 18 00:16:03 2022