Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP021725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Feb 18 02:25:07 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024069.D 5 =BP024070.D 10 =BP024071.D 20 =BP024072.D 40 =BP024073.D 50 =BP024074.D 60 =BP024075.D 80 =BP0240
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.485	0.508	0.510	0.533	0.473	0.523	0.487	0.503	4.31
3)		Pyridine		1.186	1.212	1.321	1.418	1.298	1.391	1.324	1.307	6.52
4)		n-Nitrosodimet...		0.415	0.449	0.477	0.495	0.458	0.485	0.468	0.464	5.73
5)	S	2-Fluorophenol		1.112	1.196	1.317	1.401	1.274	1.353	1.320	1.282	7.67
6)		Aniline		1.418	1.399	1.571	1.587	1.542	1.537	1.506	1.509	4.86
7)	S	Phenol-d6		1.434	1.502	1.711	1.761	1.694	1.728	1.702	1.647	7.64
8)		2-Chlorophenol		1.237	1.283	1.378	1.455	1.362	1.396	1.386	1.357	5.40
9)		Benzaldehyde		0.888	0.863	0.882	0.771	0.691	0.665	0.504	0.752	18.84
10)	C	Phenol		1.525	1.538	1.722	1.733	1.681	1.708	1.689	1.657	5.27
11)		bis(2-Chloroet...		1.273	1.228	1.339	1.362	1.309	1.305	1.317	1.305	3.35
12)		1,3-Dichlorobe...		1.452	1.456	1.512	1.577	1.470	1.492	1.474	1.490	2.92
13)	C	1,4-Dichlorobe...		1.475	1.445	1.538	1.590	1.483	1.525	1.495	1.507	3.17
14)		1,2-Dichlorobe...		1.420	1.369	1.488	1.523	1.431	1.459	1.436	1.447	3.44
15)		Benzyl Alcohol		0.884	0.834	1.031	1.069	1.072	1.082	1.087	1.008	10.35
16)		2,2'-oxybis(1-...		1.289	1.160	1.339	1.309	1.278	1.248	1.244	1.267	4.55
17)		2-Methylphenol		0.865	0.868	1.043	1.077	1.073	1.073	1.067	1.010	9.74
18)		Hexachloroethane		0.519	0.515	0.556	0.568	0.537	0.556	0.549	0.543	3.66
19)	P	n-Nitroso-di-n...	0.699	0.885	0.737	0.963	0.934	0.960	0.962	0.947	0.886	12.09
20)		3+4-Methylphenols		1.199	1.142	1.403	1.451	1.466	1.484	1.468	1.373	10.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.497	0.488	0.523	0.537	0.510	0.523	0.520	0.514	3.27
23)	S	Nitrobenzene-d5		0.330	0.338	0.364	0.382	0.360	0.368	0.366	0.358	5.03
24)		Nitrobenzene		0.329	0.335	0.361	0.378	0.350	0.361	0.357	0.353	4.75
25)		Isophorone		0.536	0.470	0.593	0.616	0.619	0.633	0.637	0.586	10.54
26)	C	2-Nitrophenol		0.123	0.130	0.155	0.179	0.174	0.184	0.192	0.163	16.74
27)		2,4-Dimethylph...		0.188	0.185	0.213	0.227	0.221	0.229	0.230	0.213	8.97
28)		bis(2-Chloroet...		0.423	0.379	0.432	0.440	0.424	0.434	0.441	0.425	5.01
29)	C	2,4-Dichloroph...		0.232	0.251	0.291	0.316	0.308	0.317	0.325	0.291	12.42
30)		1,2,4-Trichlor...		0.311	0.324	0.335	0.353	0.328	0.340	0.345	0.334	4.18
31)		Naphthalene		1.039	1.037	1.099	1.131	1.056	1.093	1.072	1.075	3.20
32)		Benzoic acid			0.110	0.162	0.204	0.216	0.237	0.244	0.196	26.03
33)		4-Chloroaniline		0.337	0.323	0.387	0.398	0.396	0.409	0.401	0.379	8.98
34)	C	Hexachlorobuta...		0.182	0.189	0.194	0.206	0.188	0.192	0.201	0.193	4.28
35)		Caprolactam			0.052	0.082	0.090	0.099	0.104	0.102	0.088	22.38
36)	C	4-Chloro-3-met...		0.248	0.229	0.302	0.318	0.326	0.336	0.336	0.299	14.53
37)		2-Methylnaphth...		0.688	0.626	0.728	0.740	0.731	0.741	0.749	0.715	6.12
38)		1-Methylnaphth...		0.674	0.610	0.707	0.719	0.716	0.722	0.719	0.695	5.89

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.548	0.629	0.605	0.675	0.594	0.615	0.636	0.615	6.37
41)	P	Hexachlorocycl...	0.181	0.227	0.221	0.262	0.230	0.236	0.244	0.229	10.86
42)	S	2,4,6-Tribromo...	0.196	0.181	0.240	0.256	0.267	0.285	0.290	0.245	17.27
43)	C	2,4,6-Trichlor...	0.288	0.327	0.371	0.423	0.390	0.407	0.417	0.375	13.38
44)		2,4,5-Trichlor...	0.322	0.357	0.412	0.453	0.425	0.447	0.454	0.410	12.57
45)	S	2-Fluorobiphenyl	1.351	1.466	1.477	1.557	1.374	1.429	1.360	1.431	5.26
46)		1,1'-Biphenyl	1.465	1.570	1.552	1.630	1.514	1.576	1.571	1.554	3.36
47)		2-Chloronaphth...	1.089	1.191	1.185	1.250	1.133	1.187	1.189	1.175	4.32
48)		2-Nitroaniline	0.211	0.217	0.277	0.305	0.297	0.322	0.313	0.278	16.42
49)		Acenaphthylene	1.526	1.601	1.754	1.875	1.739	1.814	1.807	1.731	7.20
50)		Dimethylphthalate	1.340	1.231	1.438	1.446	1.435	1.499	1.487	1.411	6.69
51)		2,6-Dinitrotol...	0.240	0.231	0.293	0.304	0.304	0.322	0.318	0.287	12.77
52)	C	Acenaphthene	1.040	1.053	1.127	1.162	1.107	1.172	1.142	1.115	4.62
53)		3-Nitroaniline	0.236	0.232	0.305	0.329	0.336	0.358	0.349	0.307	17.04
54)	P	2,4-Dinitrophenol		0.083	0.131	0.156	0.169	0.187	0.193	0.153	26.84
55)		Dibenzofuran	1.749	1.698	1.837	1.900	1.793	1.863	1.835	1.811	3.83
56)	P	4-Nitrophenol		0.168	0.249	0.277	0.287	0.310	0.298	0.265	19.47
57)		2,4-Dinitrotol...	0.278	0.264	0.373	0.403	0.412	0.443	0.440	0.373	19.76
58)		Fluorene	1.311	1.228	1.453	1.496	1.438	1.521	1.452	1.414	7.46
59)		2,3,4,6-Tetrac...	0.305	0.285	0.353	0.376	0.376	0.397	0.397	0.356	12.47
60)		Diethylphthalate	1.327	1.142	1.439	1.435	1.454	1.511	1.495	1.400	9.16
61)		4-Chlorophenyl...	0.644	0.608	0.711	0.727	0.706	0.749	0.728	0.696	7.32
62)		4-Nitroaniline	0.226	0.216	0.322	0.353	0.355	0.387	0.368	0.318	21.78
63)		Azobenzene	1.195	1.108	1.394	1.387	1.333	1.416	1.354	1.312	8.84
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.074	0.104	0.122	0.123	0.133	0.138	0.116	20.23
66)	c	n-Nitrosodiphe...	0.538	0.590	0.639	0.674	0.621	0.645	0.661	0.624	7.48
67)		4-Bromophenyl-...	0.193	0.203	0.225	0.239	0.229	0.234	0.248	0.225	8.71
68)		Hexachlorobenzene	0.240	0.251	0.263	0.278	0.265	0.272	0.281	0.264	5.46
69)		Atrazine	0.161	0.151	0.175	0.179	0.158	0.154	0.144	0.160	7.91
70)	C	Pentachlorophenol		0.117	0.159	0.179	0.183	0.191	0.199	0.172	17.36
71)		Phenanthrene	1.068	1.079	1.146	1.188	1.114	1.151	1.147	1.128	3.81
72)		Anthracene	0.950	0.973	1.103	1.172	1.092	1.151	1.123	1.081	7.94
73)		Carbazole	0.897	0.905	1.046	1.110	1.064	1.107	1.077	1.030	8.81
74)		Di-n-butylphth...	1.004	0.913	1.231	1.287	1.306	1.344	1.325	1.201	14.28
75)	C	Fluoranthene	1.131	1.206	1.290	1.334	1.312	1.353	1.301	1.275	6.17
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.236	0.238	0.119	0.357	0.119	0.144	0.493	0.244	57.13
78)		Pyrene	1.143	1.226	1.208	1.372	1.315	1.300	1.329	1.270	6.34
79)	S	Terphenyl-d14	0.953	1.005	1.047	1.084	1.028	1.010	0.948	1.011	4.82
80)		Butylbenzylpht...	0.368	0.363	0.498	0.503	0.533	0.560	0.584	0.487	18.11
81)		Benzo(a)anthra...	1.138	1.170	1.288	1.314	1.284	1.291	1.295	1.254	5.56
82)		3,3'-Dichlorob...	0.294	0.325	0.389	0.434	0.395	0.419	0.486	0.392	16.59
83)		Chrysene	1.125	1.147	1.225	1.274	1.211	1.236	1.247	1.209	4.47
84)		Bis(2-ethylhex...	0.541	0.545	0.759	0.780	0.828	0.840	0.875	0.738	18.82
85)	c	Di-n-octyl pht...		0.773	1.148	1.160	1.271	1.311	1.416	1.180	18.87

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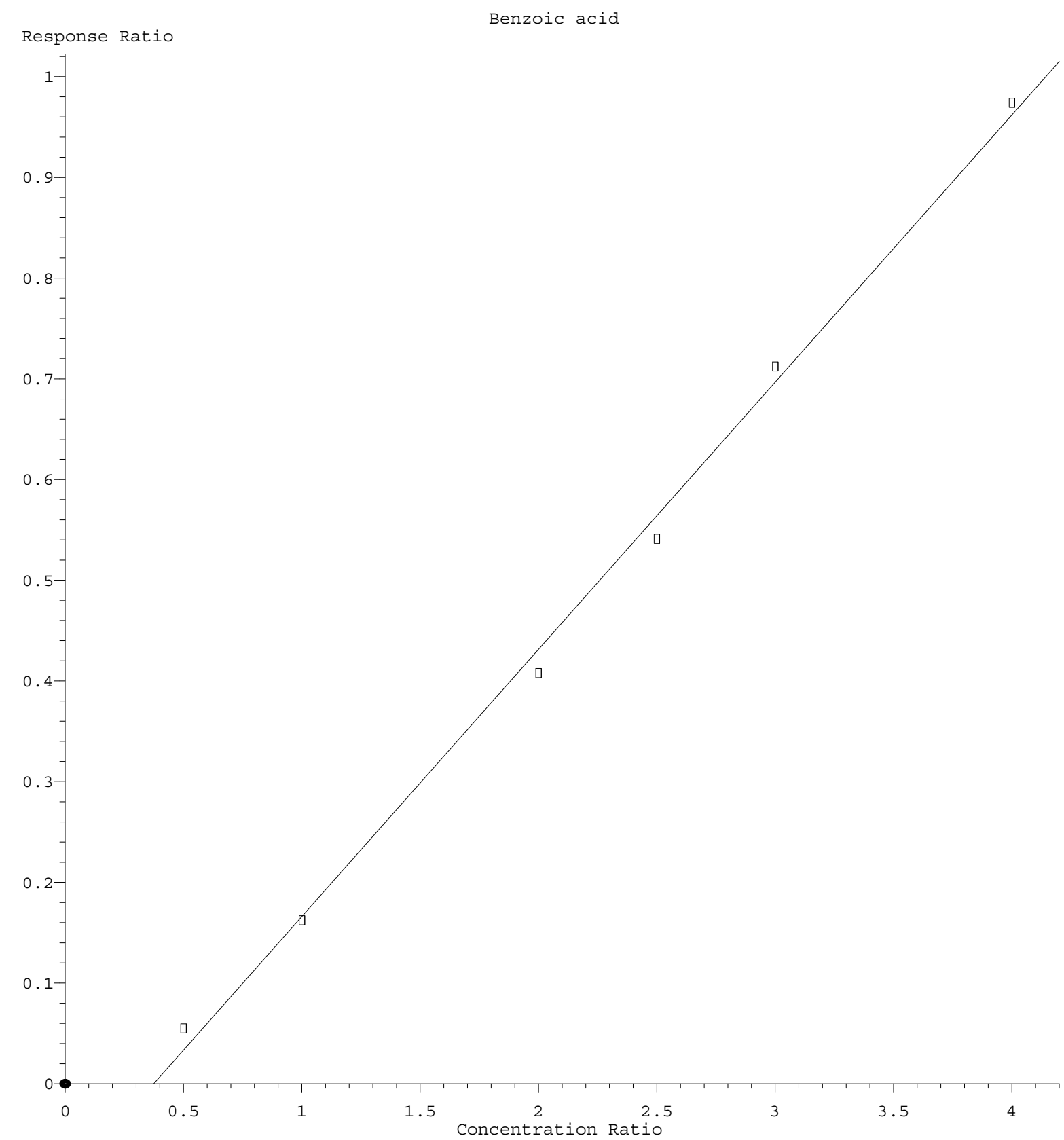
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.134	1.322	1.408	1.583	1.450	1.519	1.544	1.423	10.90
88)		Benzo(b)fluora...	1.116	1.108	1.264	1.363	1.308	1.376	1.355	1.270	9.01
89)		Benzo(k)fluora...	1.099	1.087	1.247	1.339	1.269	1.314	1.300	1.236	8.28
90)	C	Benzo(a)pyrene	0.889	0.922	1.068	1.177	1.121	1.182	1.186	1.078	11.65
91)		Dibenzo(a,h)an...	0.956	1.106	1.187	1.331	1.221	1.283	1.290	1.196	10.83
92)		Benzo(g,h,i)pe...	0.976	1.160	1.203	1.357	1.221	1.287	1.293	1.214	10.21

(#) = Out of Range



Response = 2.653e-001 * Amt - 9.931e-002
Coef of Det (r^2) = 0.996687 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021725.M
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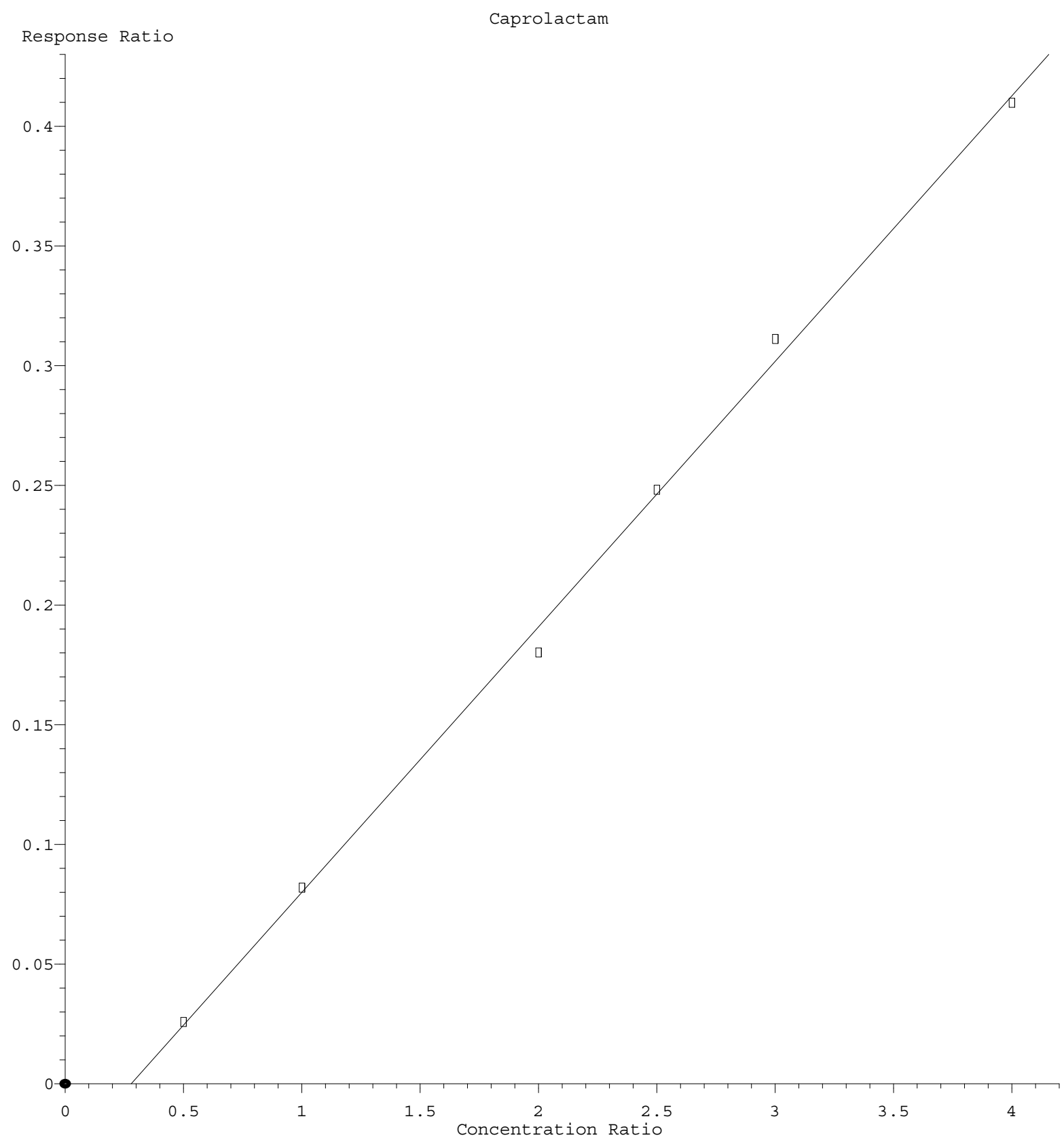

Response = 1.110e-001 * Amt - 3.092e-002
Coef of Det (r^2) = 0.997862 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021725.M
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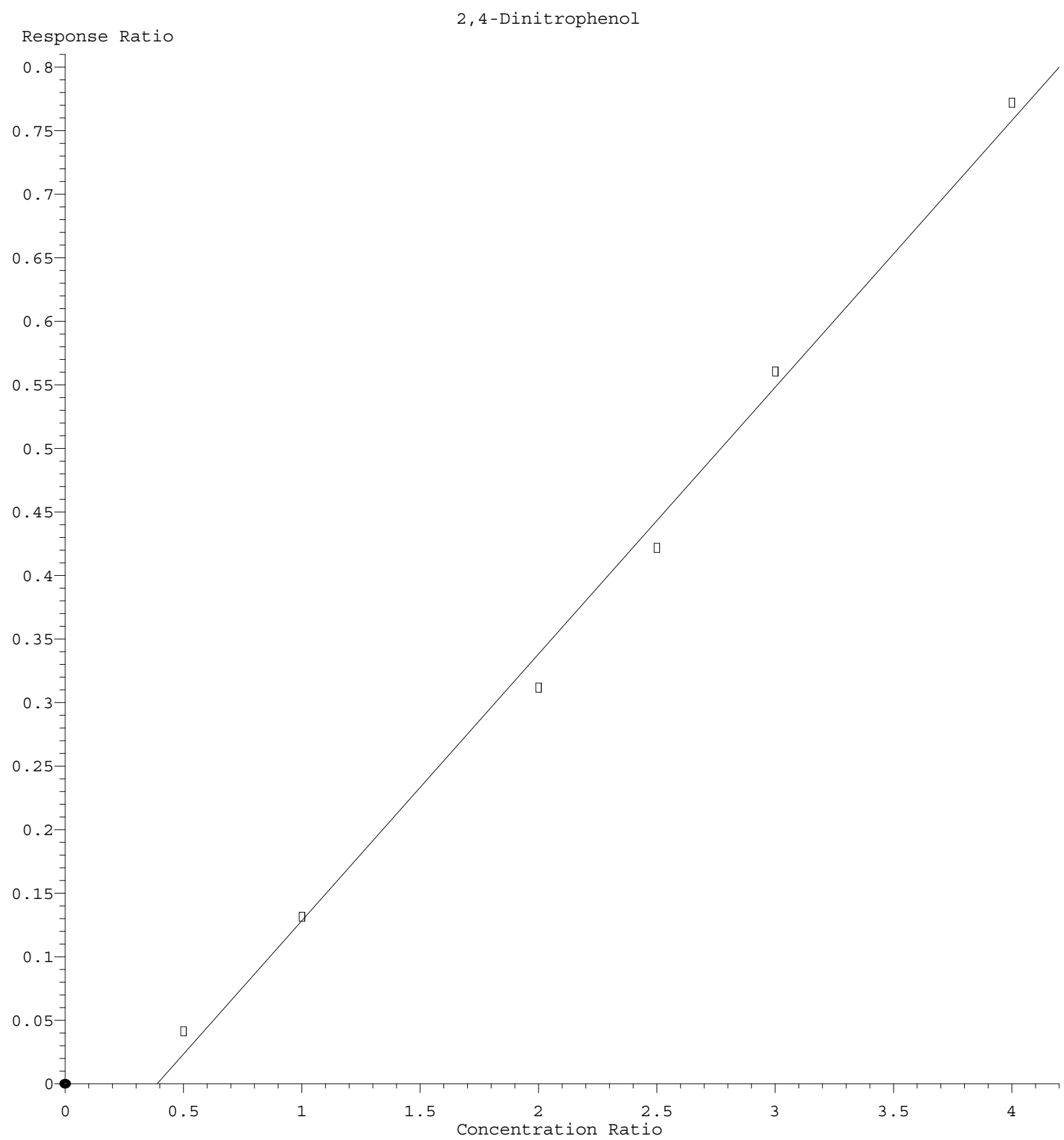

Response = 2.099e-001 * Amt - 8.164e-002
Coef of Det (r^2) = 0.995007 Curve Fit: Linear
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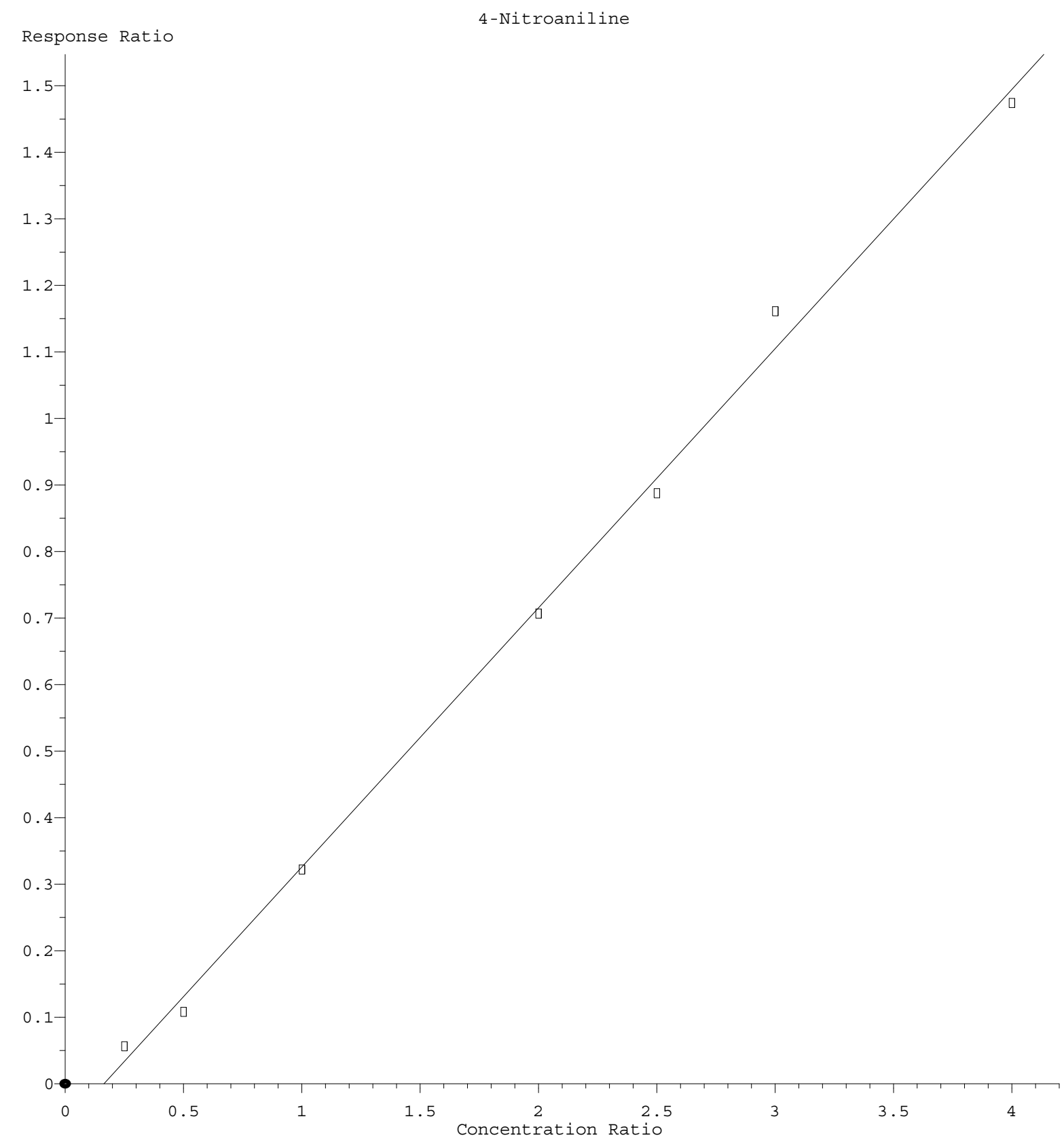

Response = 3.897e-001 * Amt - 6.407e-002
Coef of Det (r^2) = 0.997022 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021725.M
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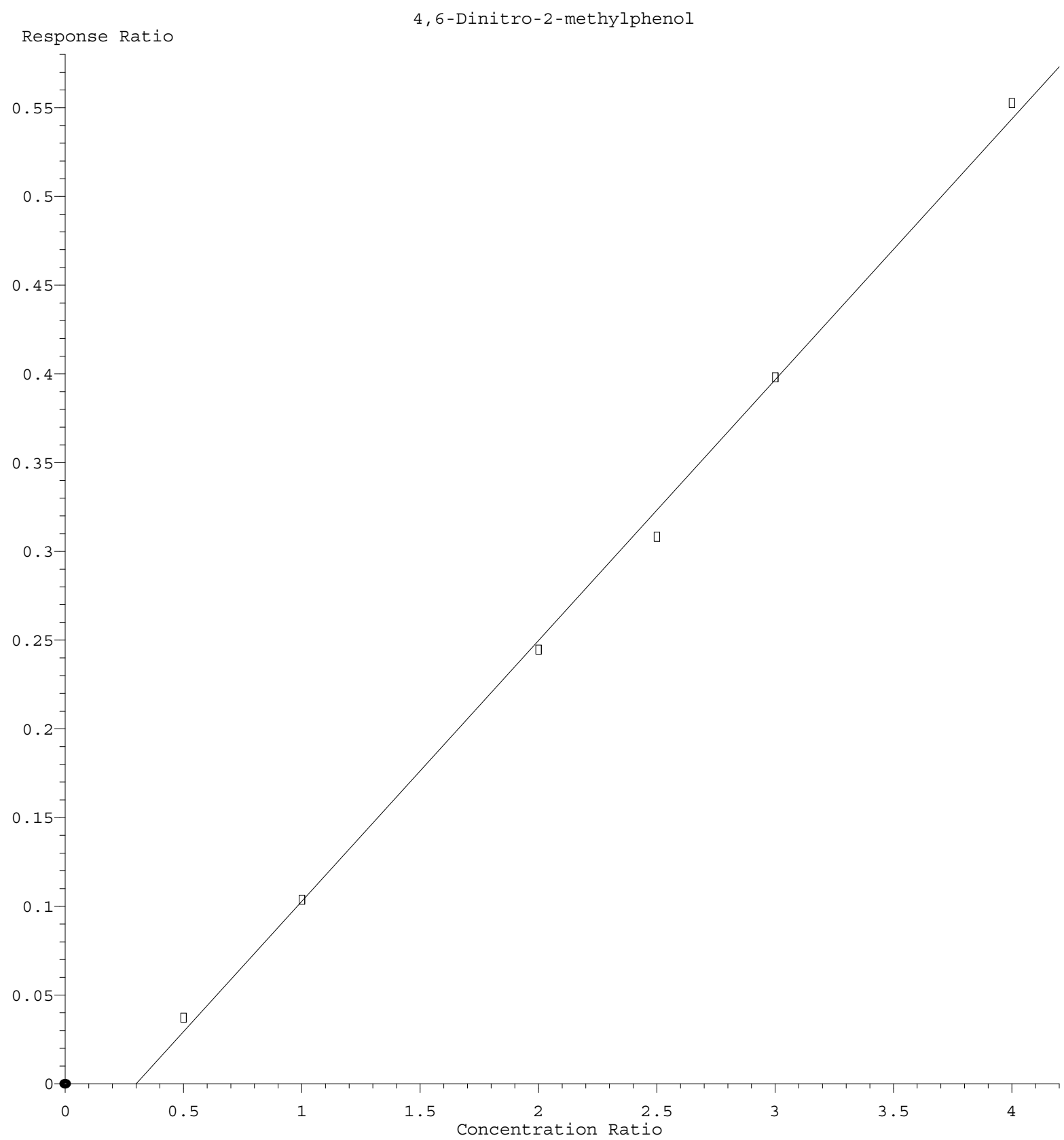

Response = 1.469e-001 * Amt - 4.412e-002
Coef of Det (r^2) = 0.997804 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP021725.M
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