Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP052423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu May 25 01:41:43 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP015273.D 5 =BP015274.D 10 =BP015275.D 20 =BP015276.D 40 =BP015277.D 50 =BP015278.D 60 =BP015279.D 80 =BP0152
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.611	0.546	0.578	0.565	0.490	0.471	0.481	0.535	10.17
3)		Pyridine		1.318	1.392	1.422	1.438	1.309	1.383	1.301	1.366	4.14
4)		n-Nitrosodimet...		0.677	0.635	0.661	0.653	0.606	0.637	0.593	0.638	4.66
5)	S	2-Fluorophenol		1.324	1.235	1.263	1.254	1.115	1.163	1.096	1.207	6.97
6)		Aniline		2.081	1.995	2.056	2.039	1.907	2.099	1.817	1.999	5.13
7)	S	Phenol-d6		1.693	1.603	1.640	1.606	1.491	1.614	1.424	1.582	5.83
8)		2-Chlorophenol		1.364	1.282	1.326	1.276	1.176	1.261	1.145	1.261	6.16
9)		Benzaldehyde			1.035	0.910	0.772	0.719	0.741		0.836	16.06
10)	C	Phenol		1.704	1.606	1.635	1.596	1.499	1.619	1.430	1.584	5.75
11)		bis(2-Chloroet...		1.480	1.368	1.389	1.333	1.241	1.320	1.164	1.328	7.72
12)		1,3-Dichlorobe...		1.611	1.450	1.475	1.407	1.297	1.326	1.258	1.403	8.67
13)	C	1,4-Dichlorobe...		1.588	1.471	1.485	1.408	1.314	1.351	1.271	1.413	7.82
14)		1,2-Dichlorobe...		1.524	1.404	1.421	1.342	1.238	1.303	1.202	1.348	8.28
15)		Benzyl Alcohol		1.037	1.049	1.090	1.151	1.085	1.266	1.051	1.104	7.33
16)		2,2'-oxybis(1-...		1.920	1.788	1.804	1.724	1.574	1.710	1.464	1.712	8.86
17)		2-Methylphenol		1.152	1.138	1.170	1.155	1.071	1.193	1.012	1.127	5.62
18)		Hexachloroethane		0.602	0.540	0.559	0.531	0.497	0.512	0.486	0.532	7.47
19)	P	n-Nitroso-di-n...	1.022	1.057	1.050	1.053	1.040	0.937	1.065	0.875	1.012	6.81
20)		3+4-Methylphenols		1.521	1.524	1.551	1.582	1.459	1.643	1.381	1.523	5.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.542	0.536	0.538	0.528	0.494	0.508	0.491	0.519	4.16
23)	S	Nitrobenzene-d5		0.408	0.408	0.426	0.423	0.397	0.406	0.399	0.410	2.70
24)		Nitrobenzene		0.410	0.408	0.421	0.418	0.393	0.405	0.400	0.408	2.43
25)		Isophorone		0.720	0.709	0.738	0.774	0.715	0.771	0.719	0.735	3.68
26)	C	2-Nitrophenol		0.155	0.167	0.178	0.189	0.184	0.194	0.187	0.179	7.69
27)		2,4-Dimethylph...		0.301	0.290	0.306	0.315	0.290	0.306	0.293	0.300	3.15
28)		bis(2-Chloroet...		0.473	0.452	0.465	0.471	0.435	0.448	0.428	0.453	3.88
29)	C	2,4-Dichloroph...		0.299	0.296	0.314	0.325	0.309	0.324	0.311	0.311	3.58
30)		1,2,4-Trichlor...		0.377	0.343	0.358	0.351	0.330	0.336	0.335	0.347	4.69
31)		Naphthalene		1.134	1.074	1.086	1.059	0.995	1.025	1.000	1.053	4.78
32)		Benzoic acid			0.137	0.159	0.234	0.228	0.262	0.247	0.211	24.14
33)		4-Chloroaniline		0.409	0.410	0.437	0.466	0.431	0.461	0.435	0.435	5.10
34)	C	Hexachlorobuta...		0.233	0.219	0.227	0.221	0.212	0.213	0.215	0.220	3.42
35)		Caprolactam			0.073	0.086	0.107	0.095	0.110	0.102	0.096	14.76
36)	C	4-Chloro-3-met...		0.311	0.318	0.339	0.363	0.332	0.367	0.340	0.338	6.16
37)		2-Methylnaphth...		0.784	0.758	0.769	0.767	0.709	0.747	0.707	0.749	4.02
38)		1-Methylnaphth...		0.728	0.711	0.713	0.720	0.660	0.699	0.658	0.698	4.07

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.694	0.673	0.679	0.659	0.620	0.639	0.632	0.656	4.14
41)	P	Hexachlorocycl...	0.277	0.309	0.352	0.374	0.362	0.375	0.383	0.348	11.34
42)	S	2,4,6-Tribromo...	0.251	0.249	0.276	0.291	0.264	0.289	0.282	0.272	6.37
43)	C	2,4,6-Trichlor...	0.395	0.409	0.433	0.449	0.420	0.446	0.430	0.426	4.57
44)		2,4,5-Trichlor...	0.474	0.480	0.504	0.529	0.490	0.520	0.508	0.501	4.12
45)	S	2-Fluorobiphenyl	1.673	1.592	1.589	1.503	1.364	1.363	1.345	1.490	8.96
46)		1,1'-Biphenyl	1.698	1.654	1.664	1.604	1.469	1.516	1.488	1.585	5.88
47)		2-Chloronaphth...	1.283	1.245	1.248	1.207	1.108	1.150	1.127	1.195	5.65
48)		2-Nitroaniline	0.298	0.321	0.367	0.404	0.367	0.406	0.392	0.365	11.38
49)		Acenaphthylene	1.944	1.908	1.998	2.001	1.807	1.885	1.847	1.913	3.83
50)		Dimethylphthalate	1.630	1.512	1.634	1.637	1.471	1.559	1.509	1.565	4.44
51)		2,6-Dinitrotol...	0.305	0.297	0.336	0.358	0.326	0.353	0.338	0.330	6.98
52)	C	Acenaphthene	1.223	1.159	1.181	1.170	1.055	1.109	1.078	1.139	5.30
53)		3-Nitroaniline	0.270	0.288	0.341	0.383	0.342	0.375	0.365	0.338	12.88
54)	P	2,4-Dinitrophenol		0.132	0.169	0.211	0.197	0.227	0.222	0.193	18.83
55)		Dibenzofuran	2.014	1.912	1.953	1.924	1.718	1.782	1.741	1.864	6.17
56)	P	4-Nitrophenol		0.195	0.251	0.302	0.271	0.301	0.294	0.269	15.44
57)		2,4-Dinitrotol...	0.358	0.374	0.435	0.488	0.440	0.481	0.464	0.434	11.69
58)		Fluorene	1.574	1.468	1.508	1.497	1.321	1.371	1.337	1.439	6.71
59)		2,3,4,6-Tetrac...	0.391	0.374	0.407	0.432	0.385	0.415	0.399	0.400	4.87
60)		Diethylphthalate	1.584	1.463	1.635	1.656	1.467	1.586	1.522	1.559	4.94
61)		4-Chlorophenyl...	0.809	0.744	0.773	0.756	0.676	0.708	0.692	0.737	6.45
62)		4-Nitroaniline	0.256	0.260	0.331	0.383	0.337	0.378	0.369	0.331	16.15
63)		Azobenzene	1.476	1.461	1.576	1.559	1.400	1.494	1.443	1.487	4.20
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.092	0.103	0.123	0.134	0.127	0.137	0.135	0.121	14.42
66)	c	n-Nitrosodiphe...	0.634	0.624	0.629	0.605	0.566	0.566	0.547	0.596	5.97
67)		4-Bromophenyl-...	0.227	0.221	0.222	0.219	0.207	0.213	0.206	0.216	3.71
68)		Hexachlorobenzene	0.250	0.245	0.247	0.240	0.225	0.234	0.226	0.238	4.15
69)		Atrazine	0.196	0.183	0.200	0.204	0.184	0.188	0.178	0.190	5.05
70)	C	Pentachlorophenol	0.142	0.141	0.163	0.176	0.168	0.179	0.174	0.163	9.59
71)		Phenanthrene	1.174	1.091	1.123	1.079	0.999	1.008	0.988	1.066	6.62
72)		Anthracene	1.119	1.086	1.127	1.098	1.011	1.025	1.007	1.068	4.84
73)		Carbazole	0.949	0.911	0.999	1.000	0.916	0.928	0.914	0.945	4.14
74)		Di-n-butylphth...	1.174	1.167	1.304	1.282	1.185	1.211	1.175	1.214	4.63
75)	C	Fluoranthene	1.313	1.209	1.327	1.301	1.189	1.190	1.188	1.245	5.21
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.256	0.296	0.344	0.378	0.314	0.319	0.309	0.317	12.01
78)		Pyrene	1.452	1.480	1.486	1.447	1.346	1.477	1.329	1.431	4.59
79)	S	Terphenyl-d14	1.174	1.150	1.141	1.062	0.967	1.027	0.922	1.063	9.11
80)		Butylbenzylpht...	0.542	0.553	0.628	0.644	0.609	0.666	0.603	0.606	7.53
81)		Benzo(a)anthra...	1.428	1.387	1.456	1.435	1.336	1.369	1.317	1.390	3.78
82)		3,3'-Dichlorob...	0.400	0.399	0.451	0.460	0.430	0.442	0.422	0.429	5.57
83)		Chrysene	1.435	1.334	1.386	1.362	1.266	1.290	1.254	1.333	5.00
84)		Bis(2-ethylhex...	0.794	0.807	0.939	0.961	0.900	0.965	0.886	0.893	7.82
85)	c	Di-n-octyl pht...	1.339	1.344	1.560	1.640	1.552	1.586	1.555	1.511	7.92

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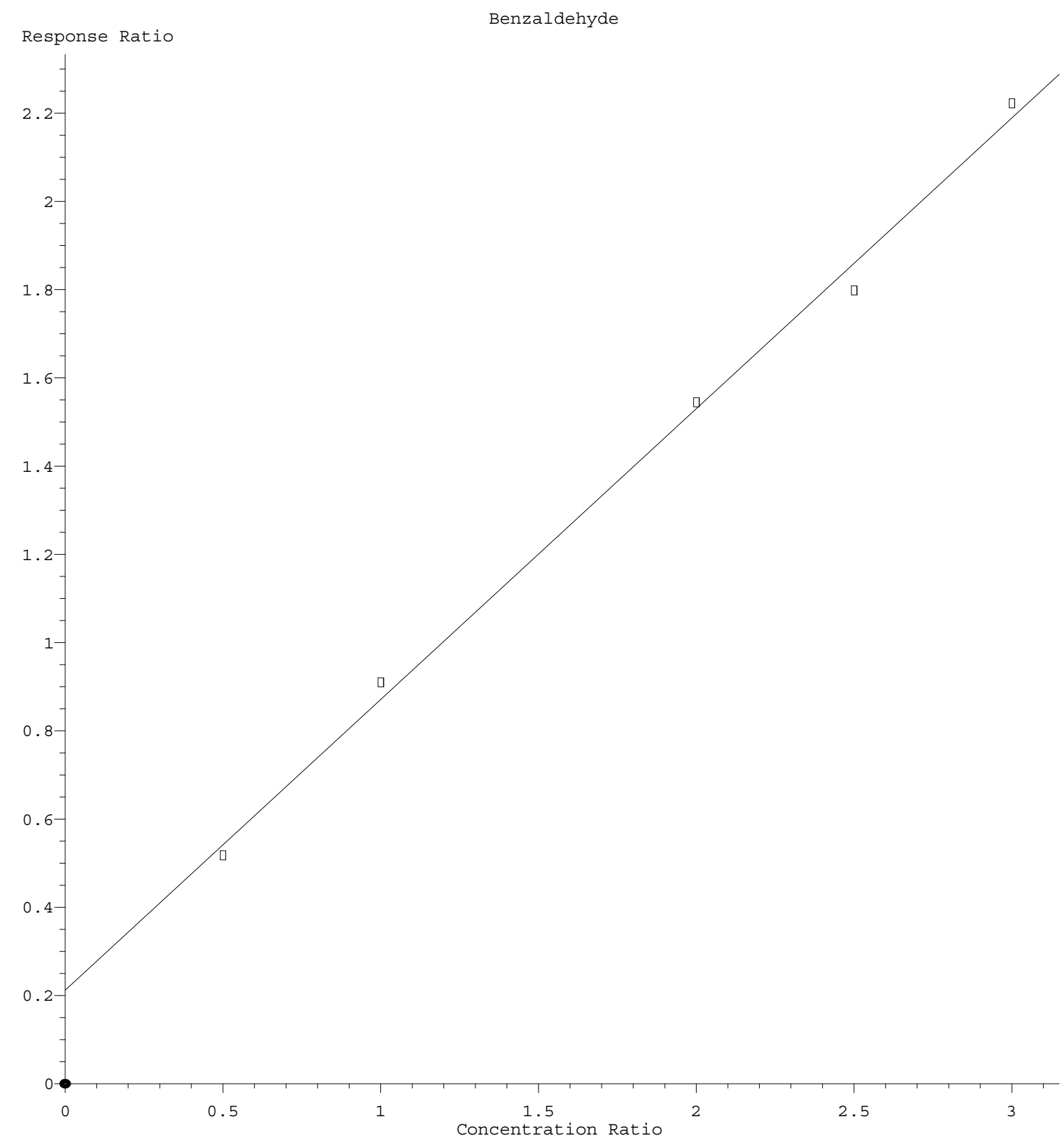
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.534	1.445	1.521	1.486	1.444	1.273	1.445	1.450	5.97
88)		Benzo(b)fluora...	1.253	1.183	1.302	1.205	1.151	1.276	1.143	1.216	5.09
89)		Benzo(k)fluora...	1.280	1.242	1.238	1.204	1.165	1.288	1.155	1.224	4.25
90)	C	Benzo(a)pyrene	1.191	1.147	1.228	1.177	1.142	1.195	1.137	1.174	2.85
91)		Dibenzo(a,h)an...	1.261	1.191	1.253	1.222	1.178	1.052	1.176	1.190	5.88
92)		Benzo(g,h,i)pe...	1.259	1.213	1.265	1.249	1.213	1.045	1.223	1.210	6.25

(#) = Out of Range



Response = 6.589e-001 * Amt + 2.124e-001
Coef of Det (r^2) = 0.996179 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052423.M
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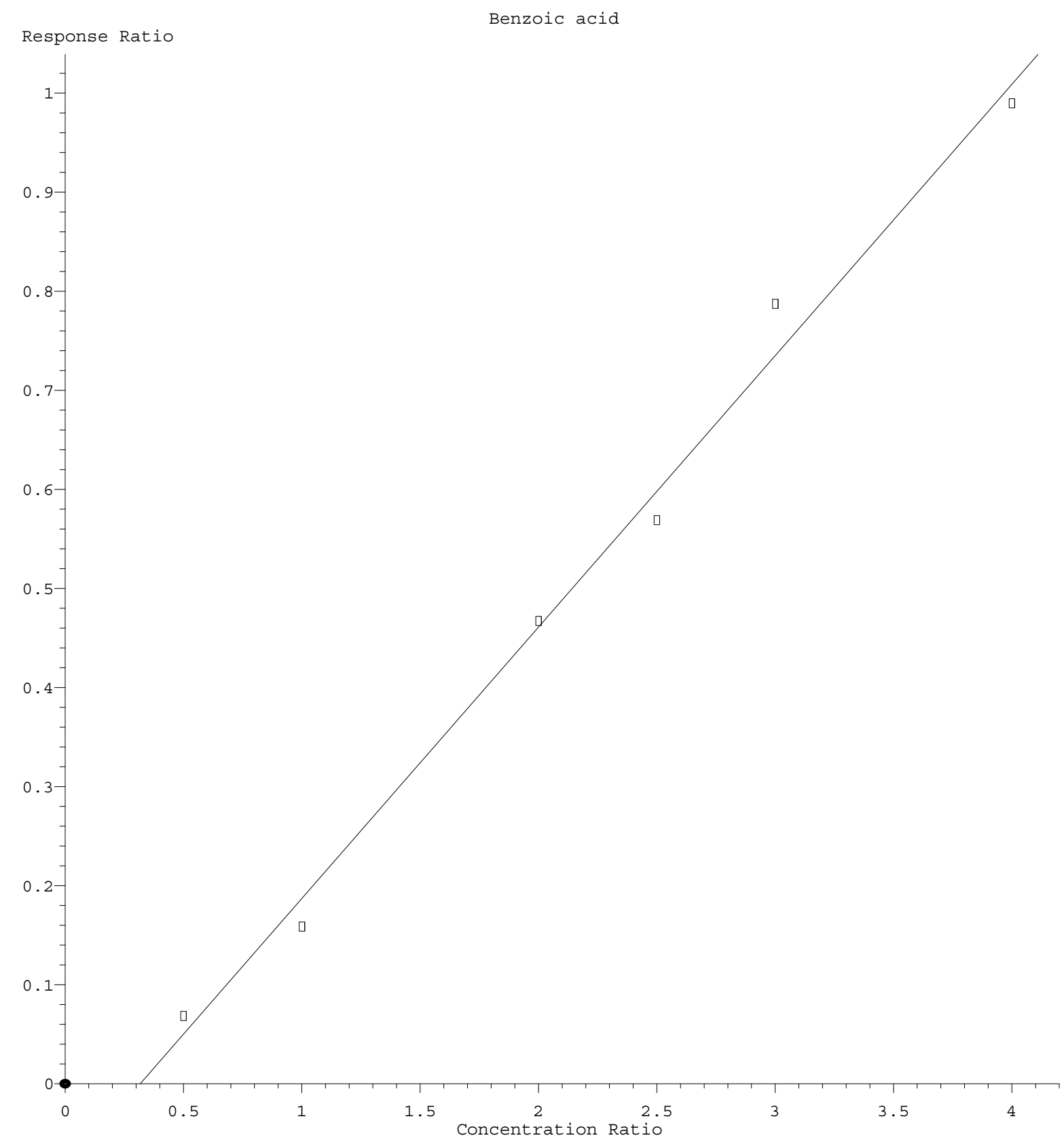

Response = 2.740e-001 * Amt - 8.689e-002
Coef of Det (r^2) = 0.991858 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052423.M
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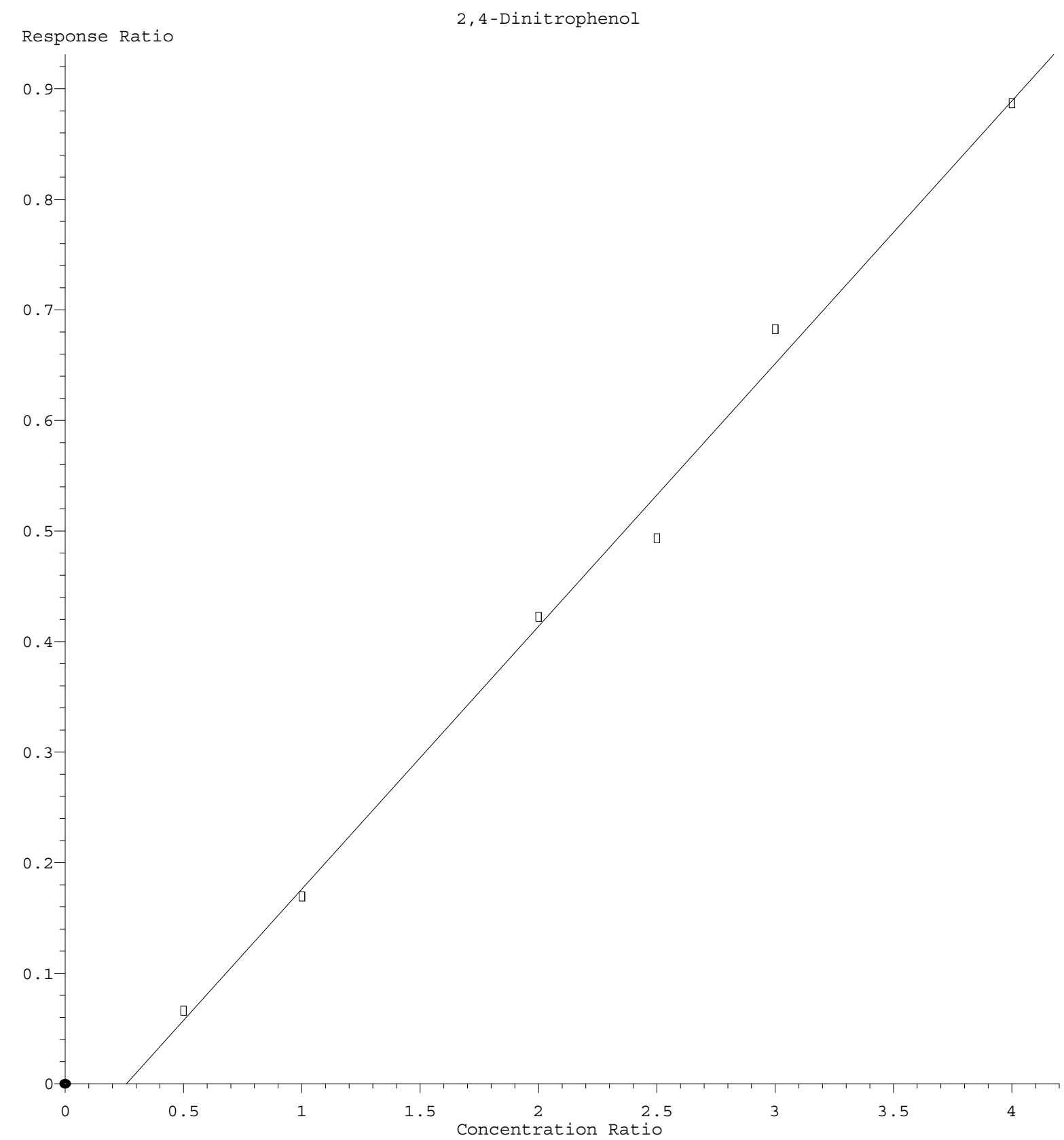

Response = 2.377e-001 * Amt - 6.166e-002
Coef of Det (r^2) = 0.994288 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052423.M
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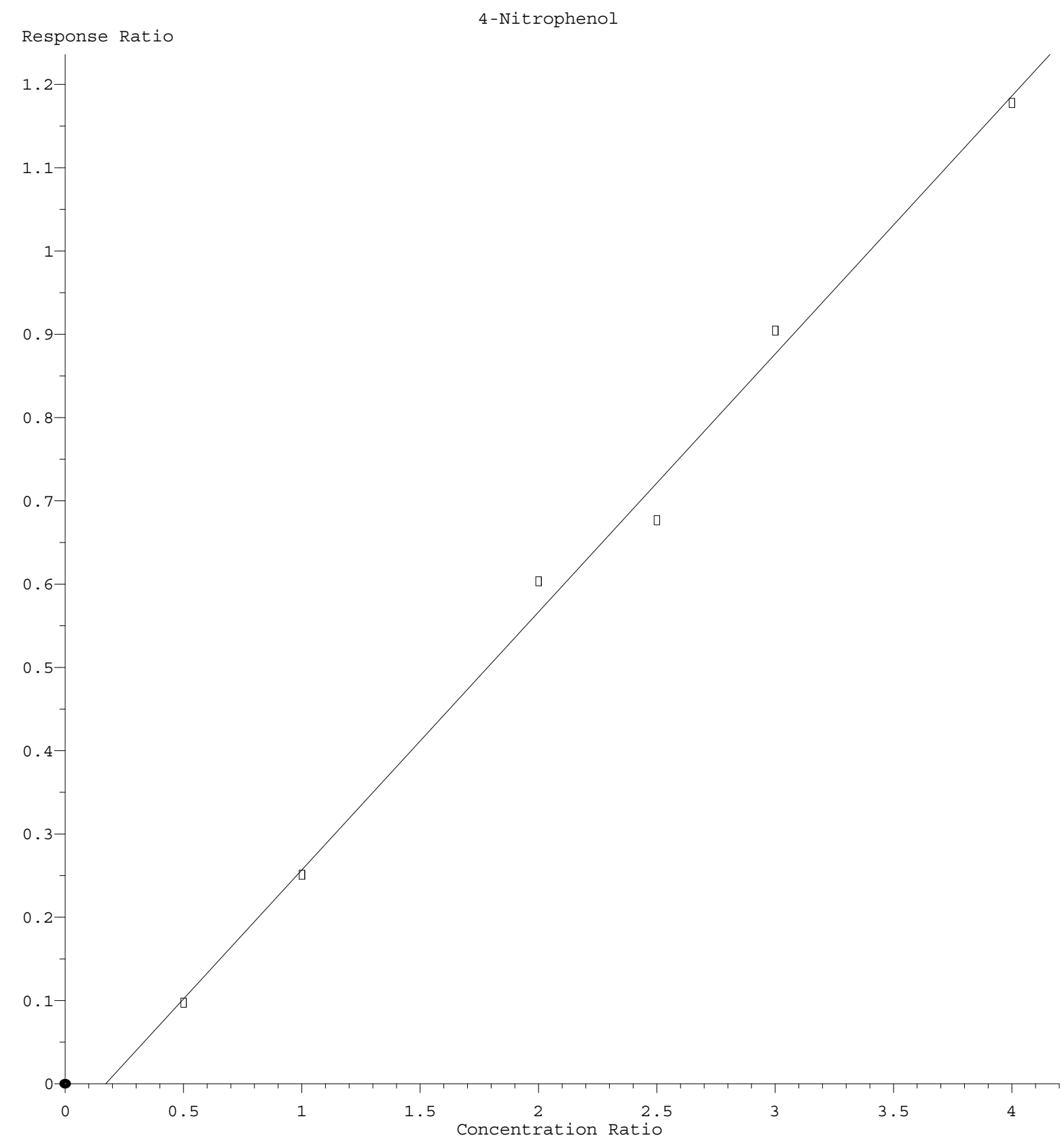
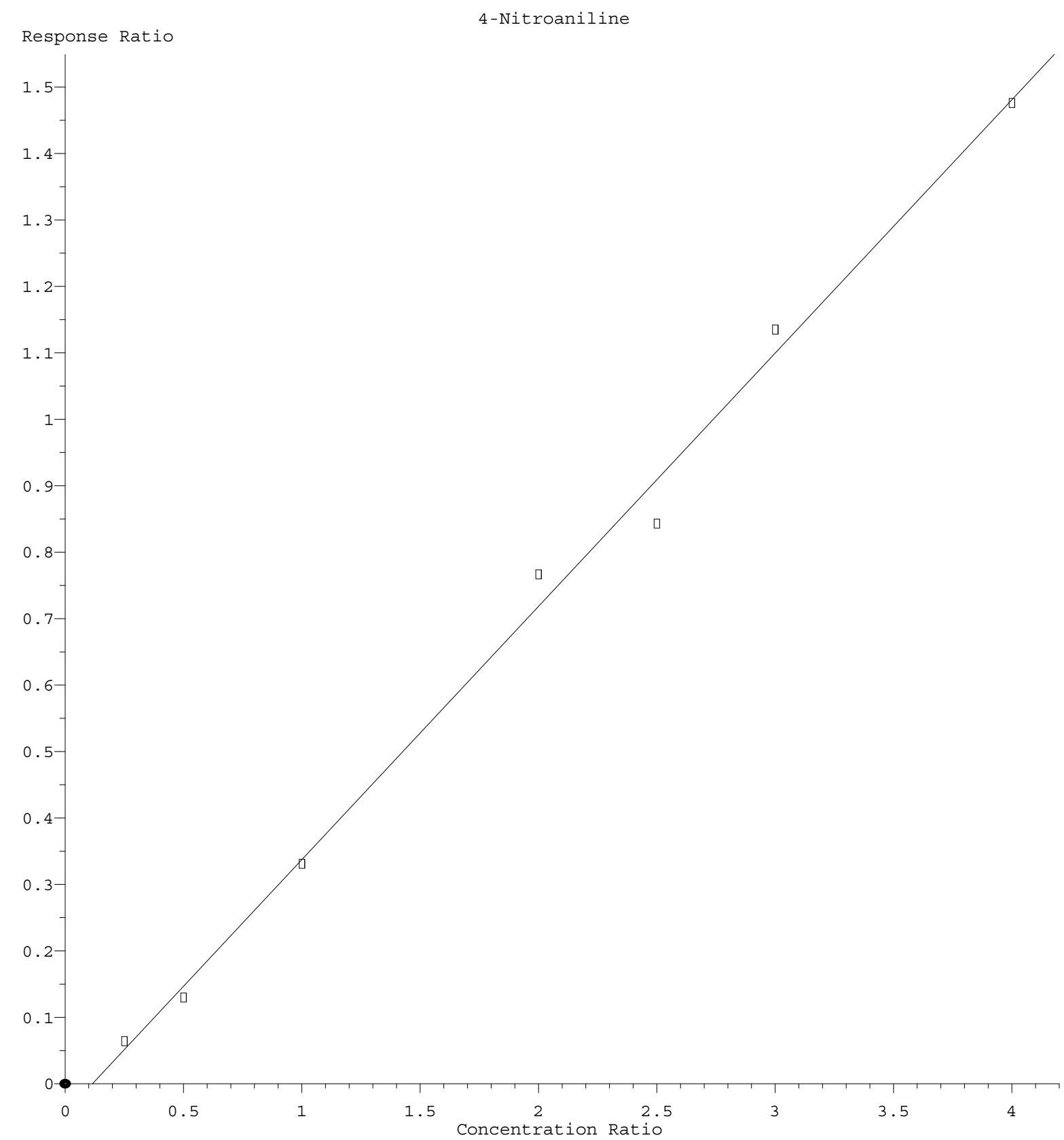


Response = 3.099e-001 * Amt - 5.314e-002
Coef of Det (r^2) = 0.994690 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052423.M
Calibration Table Last Updated: Thu May 25 01:41:43 2023



Response = 3.814e-001 * Amt - 4.396e-002
Coef of Det (r^2) = 0.994971 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP052423.M
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