Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM052224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu May 23 04:12:56 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM045738.D 5 =BM045739.D 10 =BM045740.D 20 =BM045741.D 40 =BM045742.D 50 =BM045743.D 60 =BM045744.D 80 =BM0457
45.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.488	0.482	0.479	0.464	0.445	0.453	0.447	0.466	3.77
3)		Pyridine		1.193	1.272	1.323	1.336	1.280	1.299	1.225	1.275	4.03
4)		n-Nitrosodimet...		0.710	0.717	0.749	0.725	0.704	0.714	0.717	0.719	2.03
5)	S	2-Fluorophenol		1.181	1.135	1.198	1.126	1.072	1.079	1.063	1.122	4.78
6)		Aniline		1.493	1.464	1.554	1.475	1.387	1.388	1.322	1.440	5.46
7)	S	Phenol-d6		1.559	1.543	1.615	1.502	1.439	1.450	1.435	1.506	4.59
8)		2-Chlorophenol		1.299	1.251	1.304	1.250	1.185	1.171	1.140	1.229	5.22
9)		Benzaldehyde			1.064	1.053	0.893	0.812	0.765		0.917	14.90
10)	C	Phenol		1.624	1.571	1.631	1.501	1.431	1.454	1.442	1.522	5.65
11)		bis(2-Chloroet...		1.425	1.316	1.370	1.312	1.274	1.285	1.251	1.319	4.56
12)		1,3-Dichlorobe...		1.570	1.472	1.528	1.469	1.414	1.417	1.378	1.464	4.63
13)	C	1,4-Dichlorobe...		1.569	1.491	1.559	1.484	1.412	1.430	1.391	1.477	4.73
14)		1,2-Dichlorobe...		1.531	1.418	1.489	1.375	1.296	1.296	1.252	1.380	7.63
15)		Benzyl Alcohol		1.195	1.138	1.248	1.200	1.179	1.147	1.125	1.176	3.63
16)		2,2'-oxybis(1-...		2.215	2.094	2.194	2.101	1.968	1.931	1.827	2.047	7.00
17)		2-Methylphenol		1.075	1.039	1.127	1.085	1.033	1.033	0.993	1.055	4.16
18)		Hexachloroethane		0.589	0.564	0.597	0.586	0.558	0.564	0.554	0.573	2.99
19)	P	n-Nitroso-di-n...	1.078	1.157	1.086	1.128	1.066	1.006	0.995	0.956	1.059	6.50
20)		3+4-Methylphenols		1.472	1.432	1.518	1.429	1.344	1.342	1.298	1.405	5.64
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.509	0.478	0.489	0.461	0.433	0.437	0.430	0.463	6.66
23)	S	Nitrobenzene-d5		0.363	0.362	0.392	0.378	0.356	0.362	0.359	0.368	3.52
24)		Nitrobenzene		0.378	0.370	0.397	0.388	0.363	0.363	0.358	0.374	3.87
25)		Isophorone		0.676	0.660	0.717	0.707	0.672	0.680	0.679	0.684	2.98
26)	C	2-Nitrophenol		0.111	0.121	0.151	0.162	0.159	0.167	0.171	0.149	15.85
27)		2,4-Dimethylph...		0.208	0.199	0.217	0.216	0.205	0.209	0.208	0.209	2.94
28)		bis(2-Chloroet...		0.432	0.415	0.436	0.429	0.407	0.416	0.415	0.421	2.54
29)	C	2,4-Dichloroph...		0.259	0.267	0.295	0.300	0.288	0.295	0.294	0.285	5.57
30)		1,2,4-Trichlor...		0.332	0.315	0.334	0.328	0.314	0.321	0.320	0.323	2.47
31)		Naphthalene		1.049	1.001	1.040	0.996	0.941	0.956	0.952	0.991	4.36
32)		Benzoic acid			0.117	0.161	0.183	0.189	0.203	0.214	0.178	19.65
33)		4-Chloroaniline		0.376	0.369	0.400	0.390	0.369	0.373	0.371	0.378	3.13
34)	C	Hexachlorobuta...		0.202	0.194	0.201	0.200	0.192	0.198	0.200	0.198	1.97
35)		Caprolactam		0.071	0.079	0.096	0.100	0.097	0.102	0.102	0.092	13.27
36)	C	4-Chloro-3-met...		0.304	0.312	0.342	0.337	0.322	0.328	0.327	0.325	4.13
37)		2-Methylnaphth...		0.732	0.698	0.724	0.692	0.656	0.665	0.664	0.690	4.36
38)		1-Methylnaphth...		0.725	0.684	0.716	0.684	0.645	0.659	0.653	0.681	4.53

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.526	0.496	0.523	0.525	0.504	0.518	0.519	0.516	2.24
41)	P	Hexachlorocycl...	0.199	0.195	0.217	0.225	0.219	0.228	0.228	0.216	6.31
42)	S	2,4,6-Tribromo...	0.189	0.194	0.225	0.225	0.215	0.219	0.215	0.212	6.80
43)	C	2,4,6-Trichlor...	0.301	0.308	0.352	0.367	0.359	0.373	0.376	0.348	8.91
44)		2,4,5-Trichlor...	0.331	0.345	0.397	0.405	0.398	0.415	0.420	0.387	8.97
45)	S	2-Fluorobiphenyl	1.361	1.272	1.289	1.249	1.177	1.195	1.168	1.244	5.59
46)		1,1'-Biphenyl	1.425	1.353	1.398	1.353	1.292	1.310	1.305	1.348	3.70
47)		2-Chloronaphth...	1.118	1.053	1.101	1.049	1.005	1.025	1.034	1.055	3.88
48)		2-Nitroaniline	0.256	0.278	0.345	0.365	0.355	0.361	0.369	0.333	13.81
49)		Acenaphthylene	1.649	1.595	1.674	1.627	1.535	1.559	1.559	1.600	3.25
50)		Dimethylphthalate	1.357	1.306	1.390	1.387	1.330	1.349	1.350	1.353	2.19
51)		2,6-Dinitrotol...	0.234	0.260	0.301	0.309	0.305	0.311	0.314	0.290	10.67
52)	C	Acenaphthene	1.042	0.993	1.050	1.016	0.962	0.977	0.979	1.003	3.39
53)		3-Nitroaniline	0.231	0.252	0.309	0.322	0.313	0.322	0.325	0.296	12.96
54)	P	2,4-Dinitrophenol		0.075	0.111	0.137	0.147	0.161	0.171	0.134	26.37
55)		Dibenzofuran	1.695	1.608	1.664	1.584	1.487	1.524	1.505	1.581	5.07
56)	P	4-Nitrophenol		0.185	0.246	0.264	0.263	0.274	0.278	0.252	13.75
57)		2,4-Dinitrotol...	0.296	0.331	0.411	0.422	0.404	0.419	0.417	0.386	13.15
58)		Fluorene	1.386	1.330	1.360	1.303	1.227	1.232	1.207	1.292	5.48
59)		2,3,4,6-Tetrac...	0.278	0.299	0.336	0.340	0.326	0.337	0.338	0.322	7.45
60)		Diethylphthalate	1.418	1.363	1.460	1.456	1.384	1.409	1.406	1.414	2.50
61)		4-Chlorophenyl...	0.675	0.644	0.649	0.632	0.604	0.612	0.610	0.632	4.08
62)		4-Nitroaniline	0.234	0.251	0.314	0.324	0.308	0.315	0.313	0.294	12.27
63)		Azobenzene	1.452	1.383	1.458	1.398	1.289	1.309	1.300	1.370	5.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.060	0.087	0.098	0.097	0.103	0.106	0.092	18.21
66)	c	n-Nitrosodiphe...	0.535	0.521	0.541	0.521	0.488	0.496	0.483	0.512	4.55
67)		4-Bromophenyl-...	0.197	0.187	0.197	0.195	0.183	0.187	0.185	0.190	3.13
68)		Hexachlorobenzene	0.237	0.225	0.234	0.232	0.218	0.223	0.217	0.226	3.48
69)		Atrazine	0.176	0.168	0.177	0.159	0.146	0.142	0.127	0.156	11.89
70)	C	Pentachlorophenol	0.105	0.117	0.144	0.149	0.147	0.154	0.150	0.138	13.78
71)		Phenanthrene	1.007	0.975	0.994	0.958	0.889	0.905	0.880	0.944	5.54
72)		Anthracene	0.968	0.949	0.988	0.952	0.881	0.896	0.863	0.928	5.13
73)		Carbazole	0.959	0.946	0.998	0.952	0.880	0.898	0.868	0.929	5.12
74)		Di-n-butylphth...	1.111	1.121	1.231	1.213	1.130	1.151	1.116	1.153	4.25
75)	C	Fluoranthene	1.222	1.169	1.217	1.172	1.098	1.114	1.065	1.151	5.24
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.232	0.239	0.317	0.467	0.339	0.381	0.416	0.342	25.62
78)		Pyrene	1.342	1.339	1.428	1.484	1.396	1.438	1.450	1.411	3.89
79)	S	Terphenyl-d14	1.115	1.076	1.122	1.145	1.058	1.065	1.025	1.087	3.86
80)		Butylbenzylpht...	0.505	0.529	0.617	0.672	0.635	0.653	0.667	0.611	11.02
81)		Benzo(a)anthra...	1.271	1.242	1.311	1.307	1.239	1.277	1.270	1.274	2.22
82)		3,3'-Dichlorob...	0.404	0.413	0.463	0.471	0.437	0.439	0.429	0.437	5.60
83)		Chrysene	1.203	1.180	1.234	1.215	1.158	1.189	1.184	1.195	2.09
84)		Bis(2-ethylhex...	0.796	0.796	0.893	0.912	0.862	0.877	0.870	0.858	5.30
85)	c	Di-n-octyl pht...	1.352	1.367	1.519	1.589	1.516	1.561	1.572	1.497	6.51

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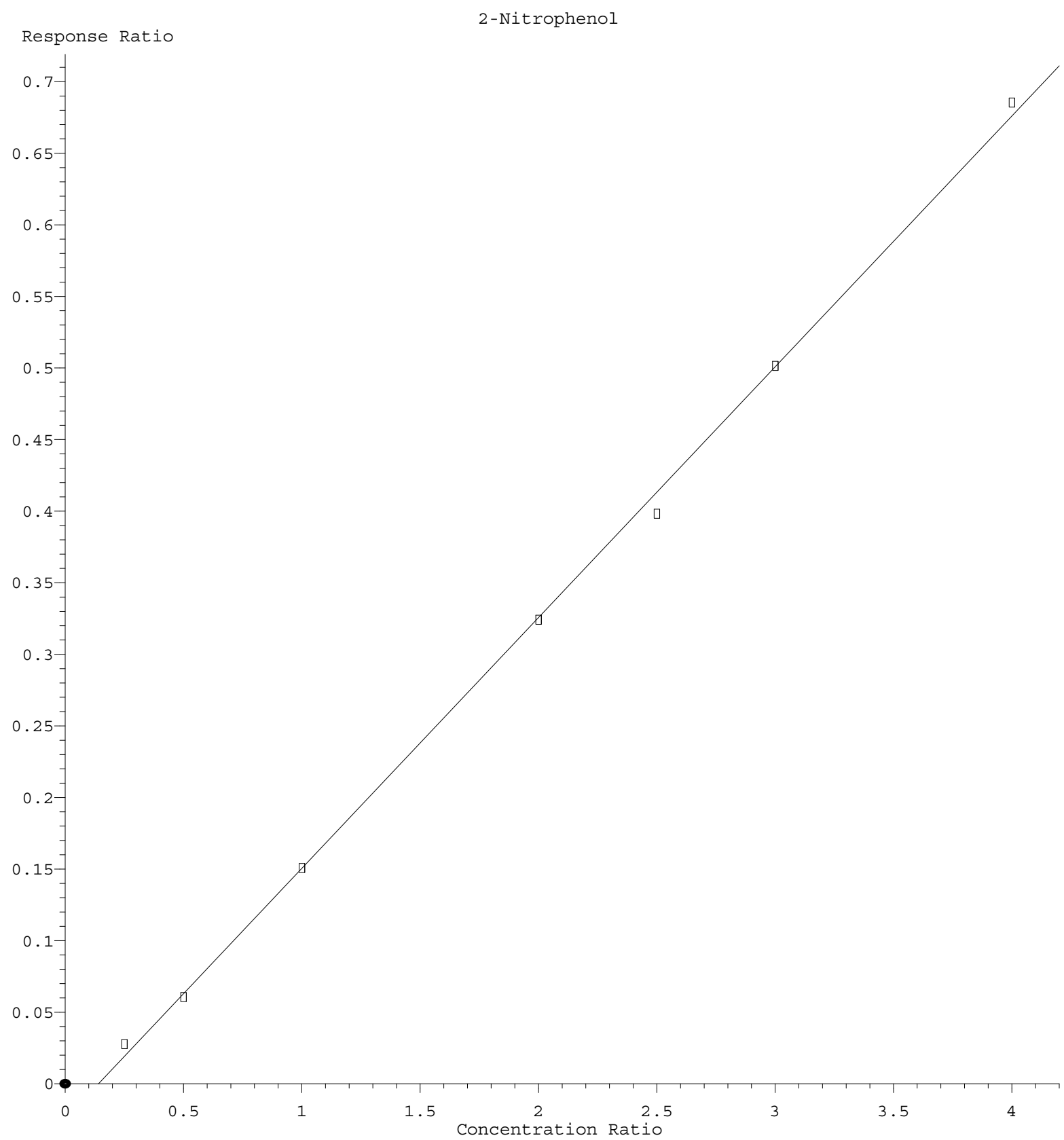
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.197	1.152	1.228	1.184	1.116	1.122	1.057	1.151	5.03
88)		Benzo(b)fluora...	1.123	1.125	1.164	1.160	1.095	1.123	1.149	1.134	2.17
89)		Benzo(k)fluora...	1.109	1.036	1.129	1.088	1.025	1.069	1.081	1.077	3.44
90)	C	Benzo(a)pyrene	0.967	0.944	1.021	1.017	0.964	0.989	0.997	0.986	2.94
91)		Dibenzo(a,h)an...	0.975	0.960	1.028	0.982	0.928	0.926	0.873	0.953	5.22
92)		Benzo(g,h,i)pe...	1.036	0.994	1.059	1.012	0.962	0.958	0.901	0.989	5.41

(#) = Out of Range



Response = 1.752e-001 * Amt - 2.471e-002
Coef of Det (r^2) = 0.998872 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052224.M
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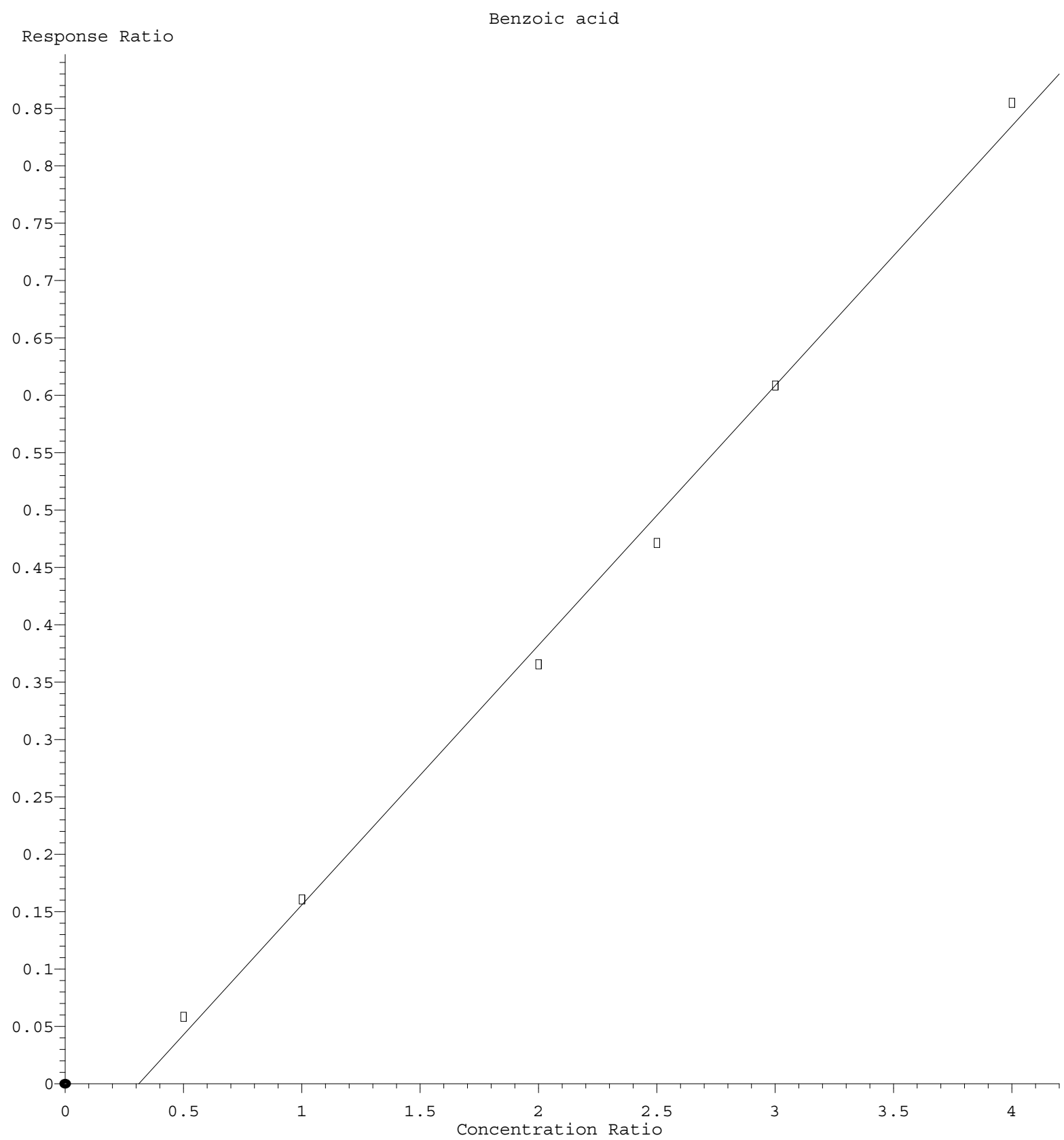

Response = 2.263e-001 * Amt - 7.045e-002
Coef of Det (r^2) = 0.996443 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052224.M
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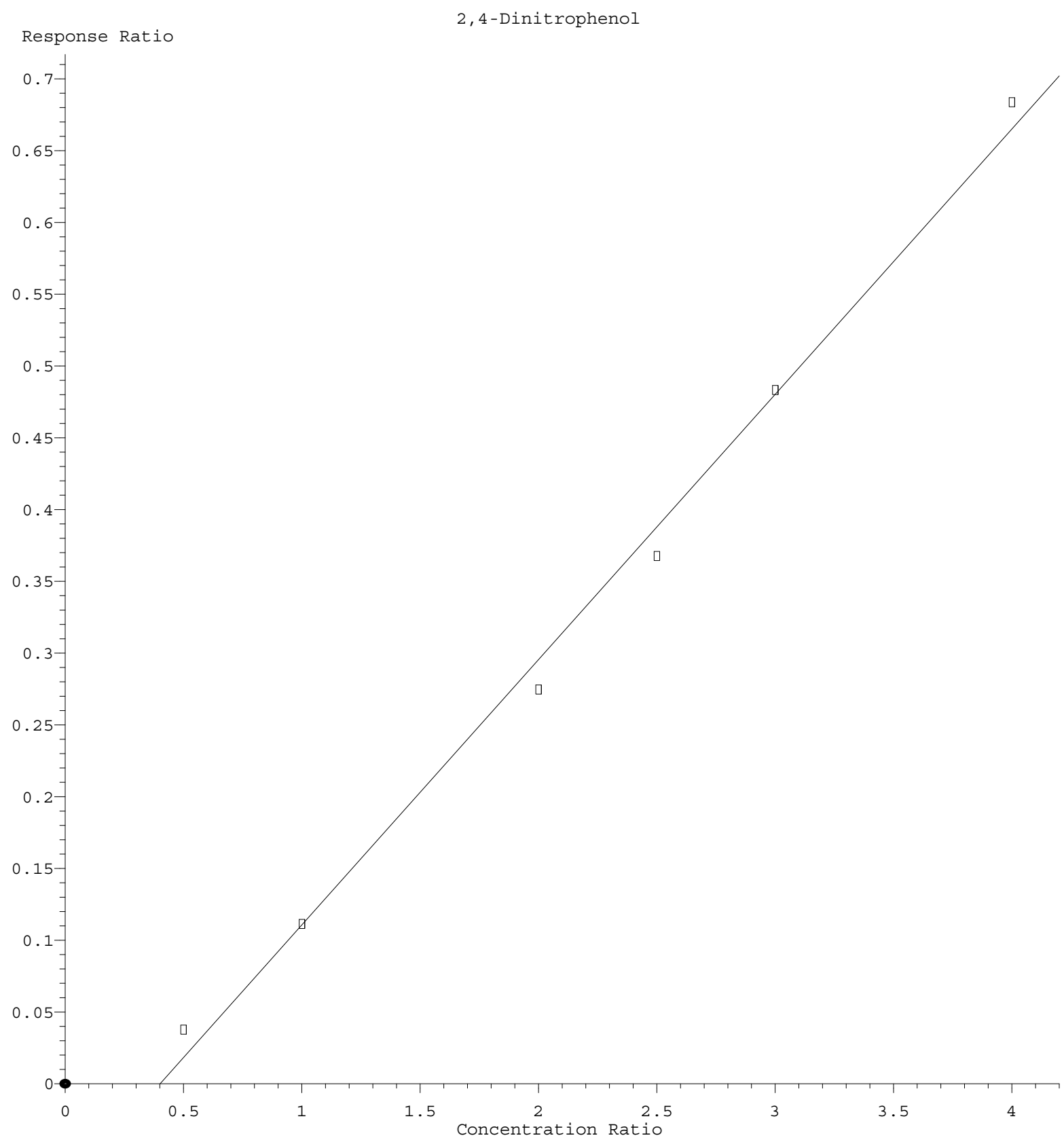

Response = 1.848e-001 * Amt - 7.408e-002
Coef of Det (r^2) = 0.994489 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052224.M
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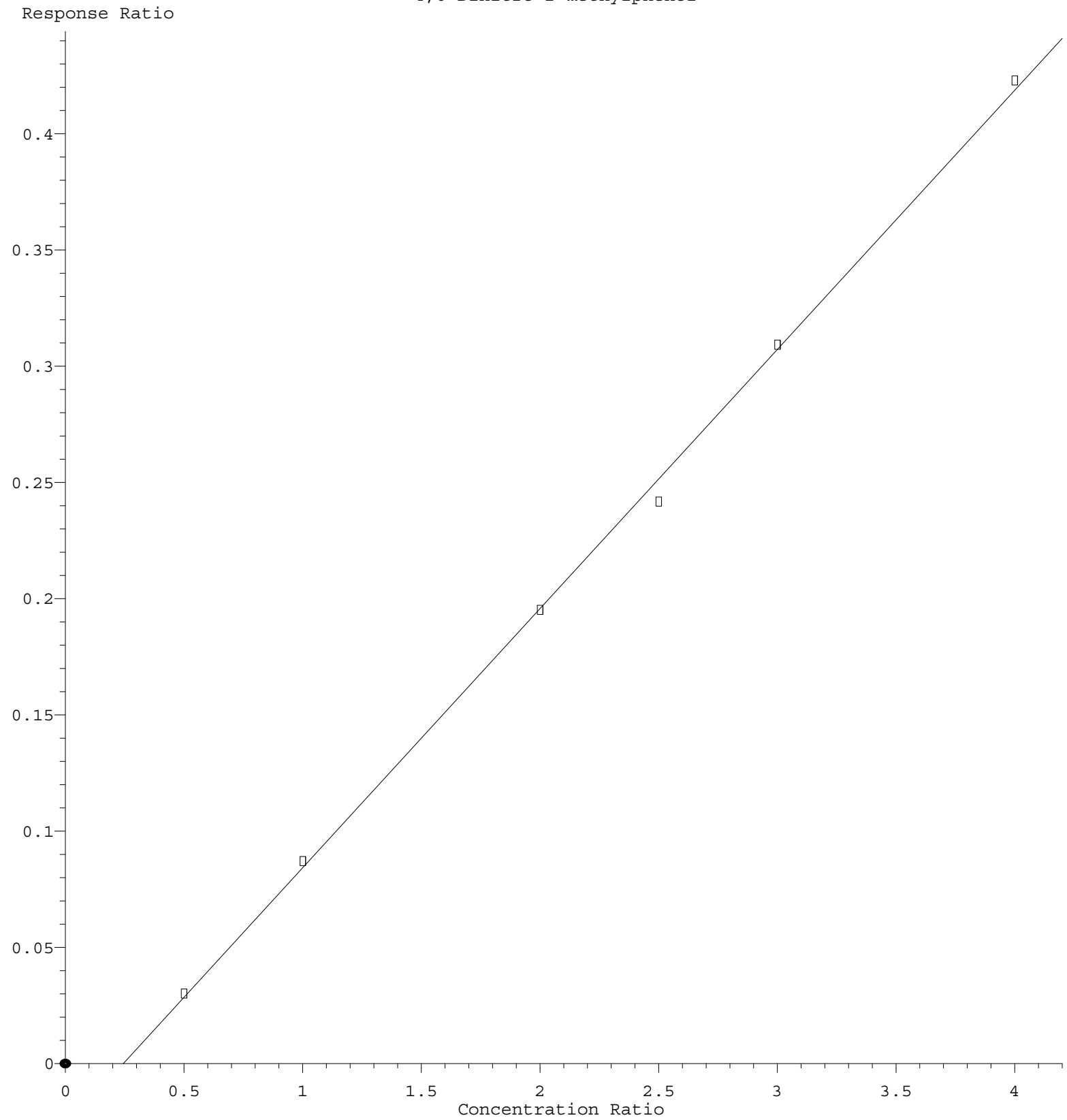
4,6-Dinitro-2-methylphenol



Response = 1.115e-001 * Amt - 2.720e-002
Coef of Det (r^2) = 0.998774 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM052224.M
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