Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM041723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 18 03:04:14 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM039440.D 5 =BM039441.D 10 =BM039442.D 20 =BM039443.D 40 =BM039444.D 50 =BM039445.D 60 =BM039446.D 80 =BM0394
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.601	0.523	0.527	0.512	0.467	0.462	0.449	0.506	10.39
3)		Pyridine		1.485	1.395	1.524	1.580	1.445	1.505	1.489	1.489	3.91
4)		n-Nitrosodimet...		0.623	0.594	0.620	0.638	0.584	0.606	0.584	0.607	3.45
5)	S	2-Fluorophenol		1.284	1.190	1.261	1.273	1.176	1.217	1.168	1.224	3.95
6)		Aniline		2.221	2.161	2.316	2.421	2.192	2.339	2.237	2.270	4.07
7)	S	Phenol-d6		1.784	1.700	1.860	1.912	1.737	1.839	1.760	1.799	4.15
8)		2-Chlorophenol		1.436	1.359	1.454	1.459	1.318	1.380	1.310	1.388	4.51
9)		Benzaldehyde		1.080	1.019	1.015	0.893	0.780	0.779		0.928	14.00
10)	C	Phenol		1.705	1.688	1.812	1.879	1.709	1.813	1.747	1.765	4.04
11)		bis(2-Chloroet...		1.494	1.540	1.619	1.607	1.415	1.495	1.426	1.514	5.32
12)		1,3-Dichlorobe...		1.578	1.480	1.512	1.483	1.353	1.394	1.326	1.447	6.33
13)	C	1,4-Dichlorobe...		1.567	1.478	1.507	1.495	1.363	1.405	1.337	1.450	5.79
14)		1,2-Dichlorobe...		1.582	1.492	1.504	1.494	1.334	1.380	1.295	1.440	7.28
15)		Benzyl Alcohol		1.296	1.350	1.270	1.375	1.237	1.349	1.302	1.311	3.75
16)		2,2'-oxybis(1-...		2.326	2.207	2.243	2.221	1.964	2.068	1.917	2.135	7.21
17)		2-Methylphenol		1.301	1.265	1.341	1.400	1.246	1.315	1.252	1.303	4.25
18)		Hexachloroethane		0.625	0.591	0.605	0.595	0.536	0.558	0.526	0.577	6.46
19)	P	n-Nitroso-di-n...	1.463	1.405	1.377	1.407	1.424	1.241	1.335	1.238	1.361	6.14
20)		3+4-Methylphenols		1.672	1.748	1.860	1.940	1.724	1.842	1.752	1.791	5.19
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.534	0.509	0.540	0.564	0.511	0.532	0.519	0.530	3.56
23)	S	Nitrobenzene-d5		0.402	0.387	0.416	0.434	0.397	0.416	0.407	0.408	3.67
24)		Nitrobenzene		0.391	0.382	0.406	0.432	0.395	0.409	0.402	0.402	3.94
25)		Isophorone		0.850	0.819	0.858	0.894	0.810	0.857	0.833	0.846	3.32
26)	C	2-Nitrophenol		0.162	0.156	0.182	0.197	0.184	0.195	0.194	0.182	9.03
27)		2,4-Dimethylph...		0.299	0.293	0.319	0.336	0.306	0.325	0.318	0.314	4.80
28)		bis(2-Chloroet...		0.472	0.460	0.491	0.514	0.464	0.490	0.475	0.481	3.89
29)	C	2,4-Dichloroph...		0.277	0.277	0.305	0.328	0.304	0.321	0.315	0.304	6.58
30)		1,2,4-Trichlor...		0.334	0.309	0.326	0.335	0.309	0.323	0.315	0.321	3.36
31)		Naphthalene		1.125	1.061	1.106	1.128	1.031	1.072	1.041	1.081	3.66
32)		Benzoic acid			0.150	0.191	0.251	0.241	0.262	0.271	0.228	20.70
33)		4-Chloroaniline		0.407	0.407	0.458	0.499	0.459	0.487	0.478	0.457	8.07
34)	C	Hexachlorobuta...		0.198	0.185	0.198	0.199	0.182	0.190	0.185	0.191	3.79
35)		Caprolactam		0.114	0.111	0.121	0.132	0.118	0.126	0.126	0.121	6.13
36)	C	4-Chloro-3-met...		0.348	0.343	0.379	0.395	0.360	0.384	0.378	0.370	5.25
37)		2-Methylnaphth...		0.807	0.778	0.807	0.829	0.759	0.802	0.777	0.794	2.98
38)		1-Methylnaphth...		0.768	0.735	0.760	0.784	0.712	0.751	0.728	0.748	3.30

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.582	0.558	0.591	0.606	0.568	0.592	0.585	0.583	2.76
41)	P	Hexachlorocycl...		0.209	0.262	0.303	0.299	0.319	0.325	0.286	15.33
42)	S	2,4,6-Tribromo...	0.254	0.250	0.269	0.275	0.252	0.261	0.256	0.260	3.53
43)	C	2,4,6-Trichlor...	0.374	0.367	0.405	0.429	0.396	0.422	0.420	0.402	5.94
44)		2,4,5-Trichlor...	0.439	0.434	0.475	0.513	0.475	0.494	0.495	0.475	6.21
45)	S	2-Fluorobiphenyl	1.522	1.424	1.495	1.495	1.381	1.427	1.376	1.445	4.06
46)		1,1'-Biphenyl	1.587	1.506	1.582	1.600	1.479	1.539	1.494	1.541	3.18
47)		2-Chloronaphth...	1.170	1.107	1.181	1.197	1.096	1.145	1.121	1.145	3.40
48)		2-Nitroaniline	0.331	0.354	0.392	0.426	0.398	0.423	0.418	0.392	9.31
49)		Acenaphthylene	2.018	1.915	2.022	2.039	1.881	1.947	1.893	1.959	3.39
50)		Dimethylphthalate	1.674	1.588	1.663	1.674	1.542	1.617	1.575	1.619	3.27
51)		2,6-Dinitrotol...	0.329	0.328	0.352	0.366	0.336	0.352	0.346	0.344	4.07
52)	C	Acenaphthene	1.209	1.137	1.196	1.204	1.109	1.145	1.120	1.160	3.63
53)		3-Nitroaniline	0.280	0.295	0.358	0.393	0.364	0.385	0.385	0.351	12.96
54)	P	2,4-Dinitrophenol		0.117	0.162	0.204	0.194	0.212	0.218	0.185	20.91
55)		Dibenzofuran	1.957	1.860	1.926	1.928	1.769	1.839	1.772	1.864	4.08
56)	P	4-Nitrophenol		0.153	0.219	0.274	0.261	0.280	0.288	0.246	21.05
57)		2,4-Dinitrotol...	0.429	0.433	0.483	0.505	0.469	0.491	0.484	0.470	6.21
58)		Fluorene	1.589	1.513	1.564	1.568	1.436	1.480	1.432	1.512	4.27
59)		2,3,4,6-Tetrac...	0.389	0.372	0.402	0.411	0.375	0.398	0.390	0.391	3.59
60)		Diethylphthalate	1.723	1.660	1.752	1.746	1.600	1.664	1.605	1.678	3.78
61)		4-Chlorophenyl...	0.779	0.743	0.778	0.778	0.713	0.743	0.712	0.749	3.99
62)		4-Nitroaniline	0.217	0.250	0.302	0.349	0.329	0.352	0.352	0.307	17.63
63)		Azobenzene	1.640	1.603	1.709	1.721	1.568	1.633	1.574	1.636	3.71
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.097	0.104	0.126	0.141	0.132	0.139	0.139	0.125	14.12
66)	c	n-Nitrosodiphe...	0.622	0.592	0.624	0.632	0.580	0.607	0.588	0.606	3.34
67)		4-Bromophenyl-...	0.212	0.201	0.213	0.220	0.204	0.213	0.209	0.211	3.00
68)		Hexachlorobenzene	0.239	0.223	0.232	0.237	0.218	0.228	0.222	0.229	3.45
69)		Atrazine	0.208	0.201	0.212	0.214	0.195	0.203	0.191	0.203	4.17
70)	C	Pentachlorophenol	0.135	0.140	0.161	0.174	0.163	0.173	0.171	0.160	9.85
71)		Phenanthrene	1.131	1.059	1.112	1.131	1.032	1.077	1.051	1.085	3.69
72)		Anthracene	1.156	1.091	1.133	1.160	1.066	1.111	1.072	1.112	3.46
73)		Carbazole	0.999	0.955	1.043	1.076	0.986	1.021	1.002	1.012	3.90
74)		Di-n-butylphth...	1.409	1.346	1.449	1.483	1.364	1.425	1.370	1.407	3.54
75)	C	Fluoranthene	1.375	1.284	1.349	1.363	1.255	1.309	1.275	1.316	3.58
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.430	0.426	0.475	0.476	0.451	0.471	0.443	0.453	4.70
78)		Pyrene	1.464	1.413	1.472	1.539	1.409	1.519	1.479	1.471	3.33
79)	S	Terphenyl-d14	1.146	1.098	1.154	1.172	1.052	1.105	1.033	1.109	4.74
80)		Butylbenzylpht...	0.709	0.681	0.726	0.772	0.715	0.762	0.741	0.729	4.33
81)		Benzo(a)anthra...	1.456	1.366	1.452	1.492	1.366	1.433	1.378	1.420	3.54
82)		3,3'-Dichlorob...	0.470	0.448	0.484	0.501	0.454	0.472	0.452	0.469	4.10
83)		Chrysene	1.437	1.339	1.408	1.448	1.311	1.382	1.312	1.377	4.17
84)		Bis(2-ethylhex...	1.119	1.068	1.138	1.165	1.075	1.138	1.079	1.112	3.39
85)	c	Di-n-octyl pht...	1.924	1.839	1.953	2.002	1.865	1.943	1.858	1.912	3.11

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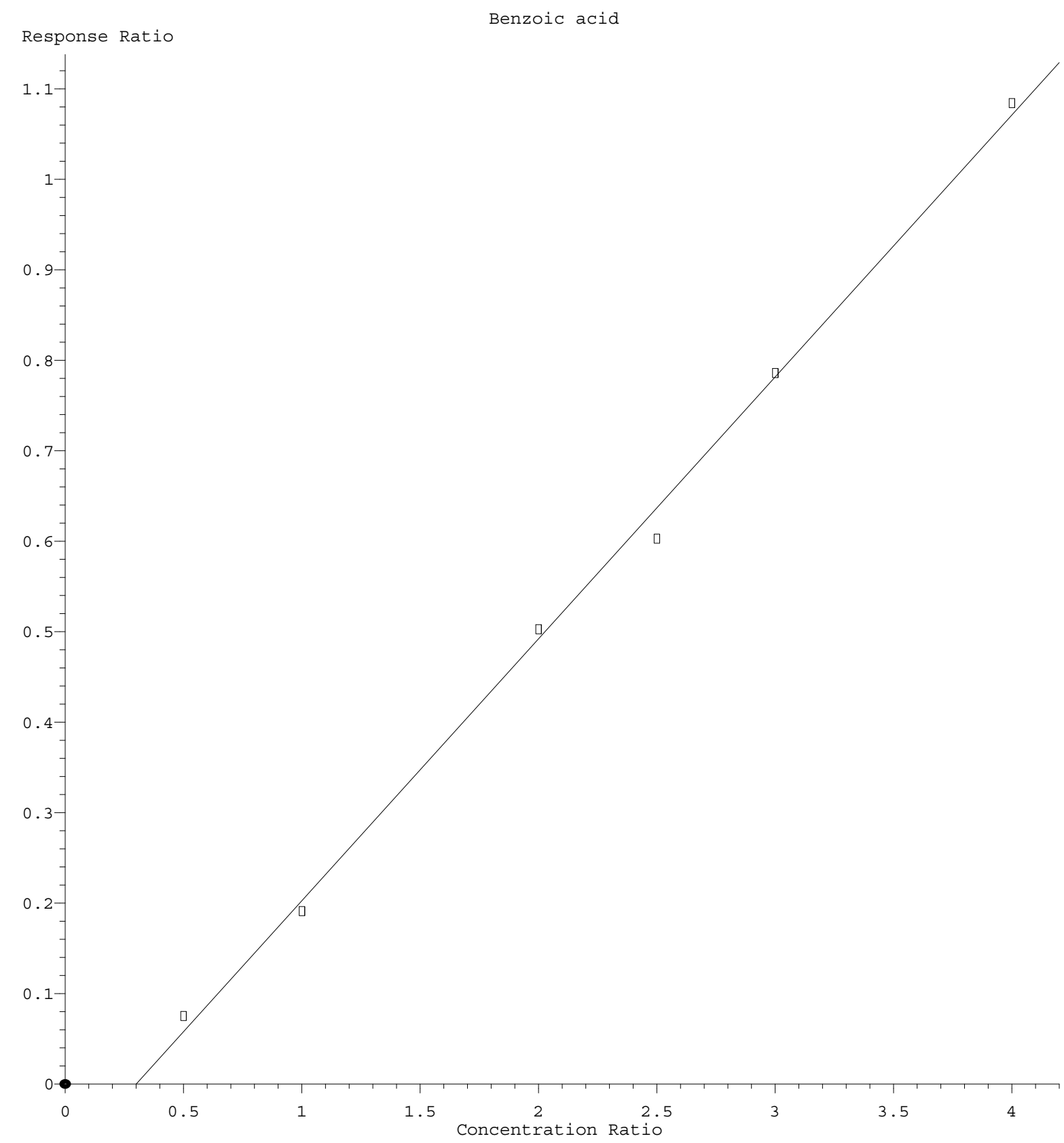
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.470	1.395	1.495	1.550	1.455	1.487	1.436	1.470	3.34
88)		Benzo(b)fluora...	1.207	1.160	1.263	1.268	1.168	1.265	1.206	1.219	3.80
89)		Benzo(k)fluora...	1.351	1.274	1.291	1.341	1.235	1.220	1.211	1.275	4.42
90)	C	Benzo(a)pyrene	1.226	1.167	1.232	1.272	1.177	1.217	1.193	1.212	2.97
91)		Dibenzo(a,h)an...	1.226	1.162	1.249	1.291	1.211	1.232	1.180	1.222	3.53
92)		Benzo(g,h,i)pe...	1.231	1.154	1.228	1.268	1.190	1.226	1.178	1.211	3.19

(#) = Out of Range



Response = 2.894e-001 * Amt - 8.671e-002
Coef of Det (r^2) = 0.997299 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM041723.M
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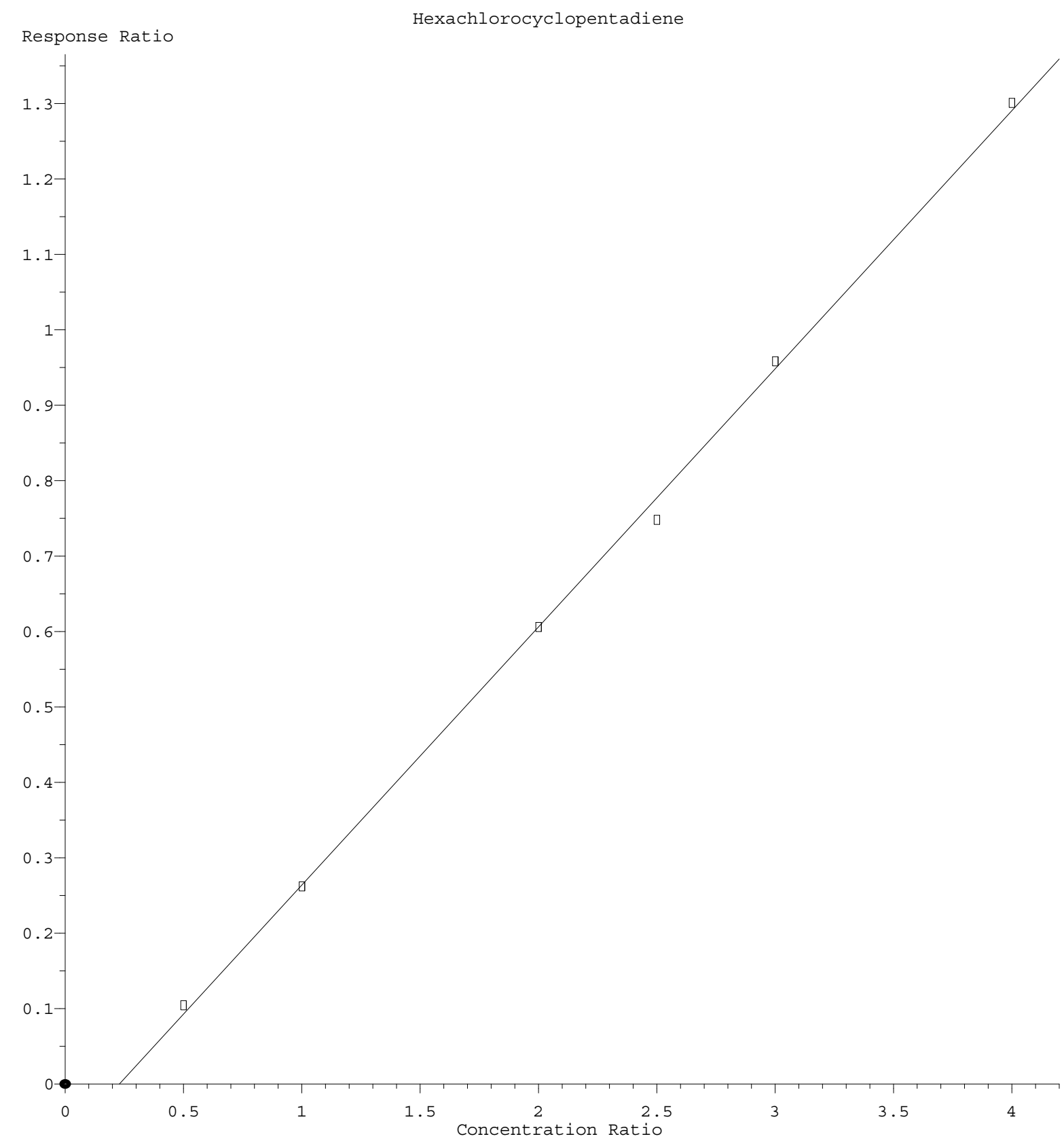

Response = 3.422e-001 * Amt - 7.825e-002
Coef of Det (r^2) = 0.998776 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM041723.M
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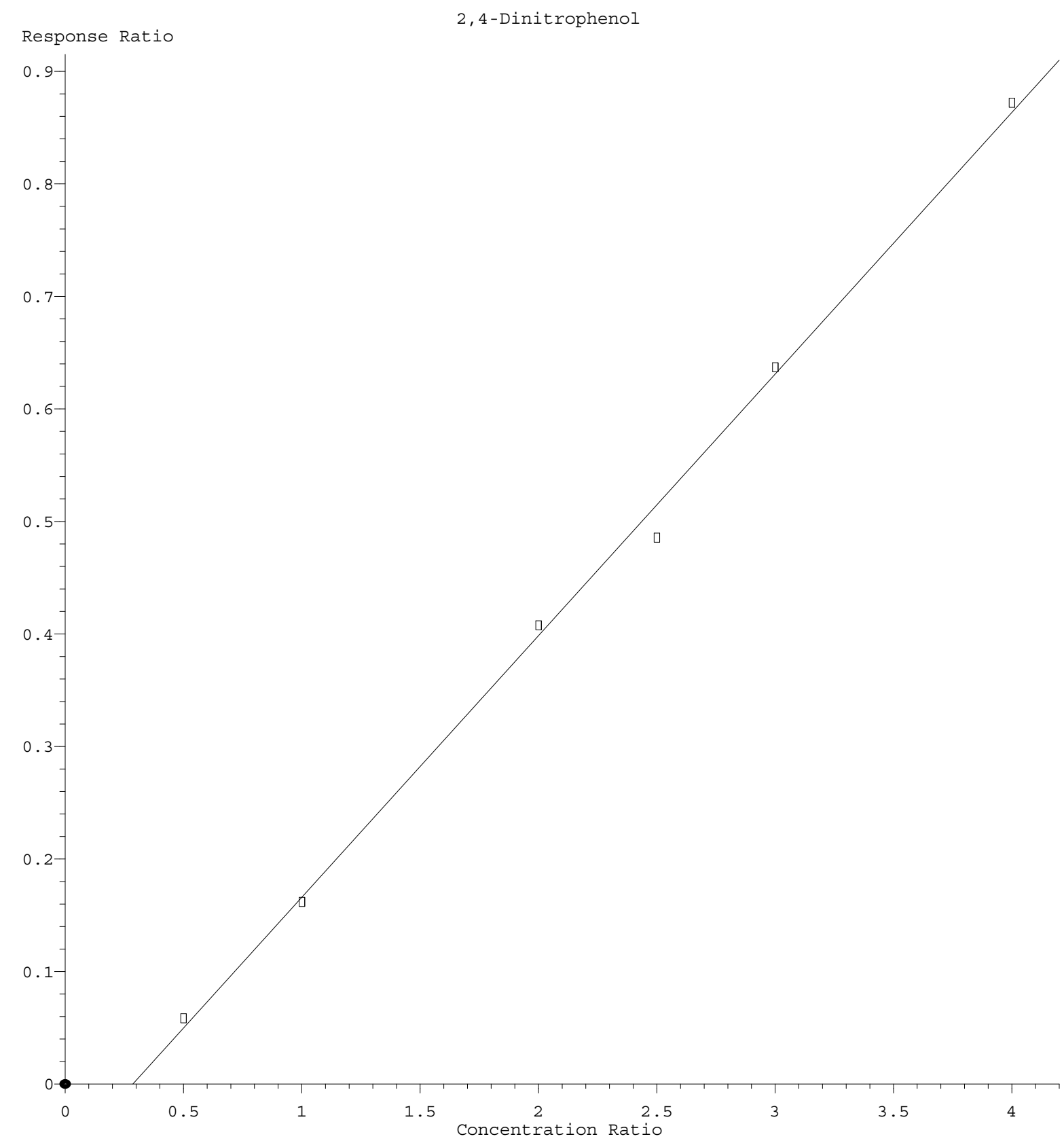

Response = 2.325e-001 * Amt - 6.659e-002
Coef of Det (r^2) = 0.997480 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM041723.M
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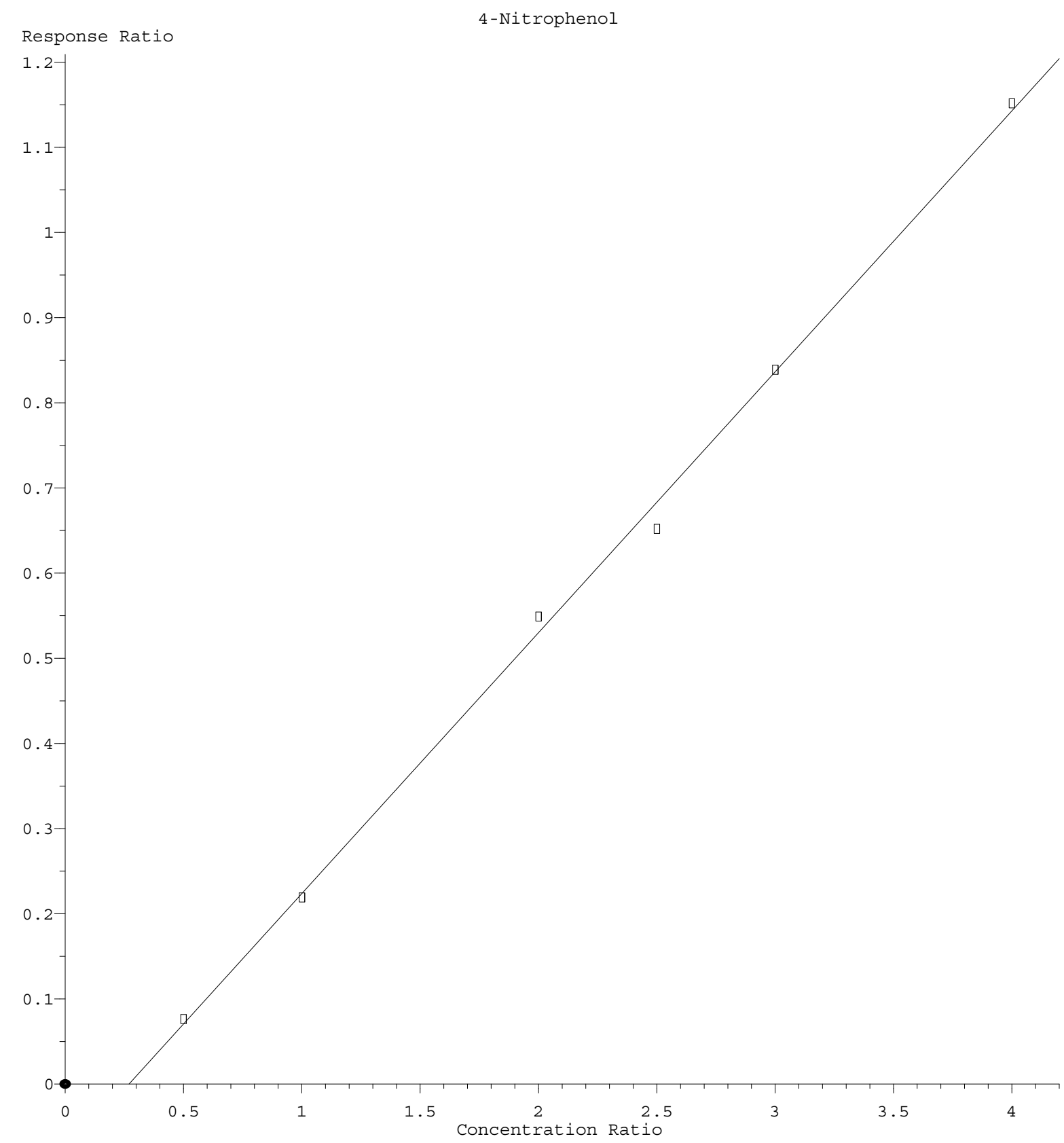
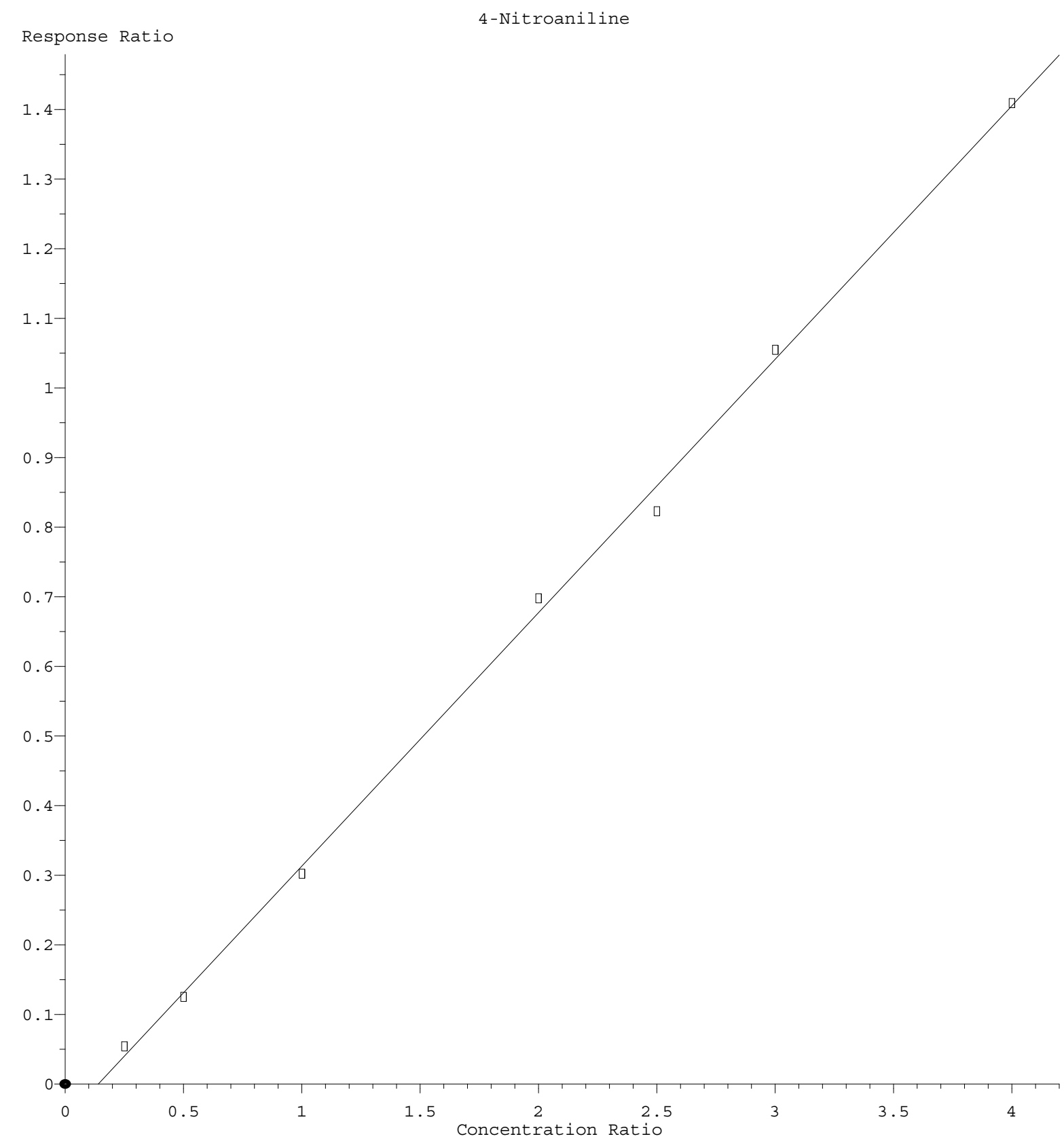


Response = 3.064e-001 * Amt - 8.278e-002
Coef of Det (r^2) = 0.998117 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM041723.M
Calibration Table Last Updated: Tue Apr 18 03:04:14 2023



Response = 3.639e-001 * Amt - 5.076e-002
Coef of Det (r^2) = 0.998490 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM041723.M
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