Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP072723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jul 28 01:48:25 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP016393.D 5 =BP016394.D 10 =BP016395.D 20 =BP016396.D 40 =BP016397.D 50 =BP016398.D 60 =BP016399.D 80 =BP0164
00.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.517	0.525	0.536	0.459	0.431	0.449	0.430	0.478	9.69
3)		Pyridine		1.511	1.512	1.564	1.407	1.327	1.381	1.304	1.429	7.04
4)		n-Nitrosodimet...		0.577	0.594	0.598	0.524	0.490	0.511	0.478	0.539	9.32
5)	S	2-Fluorophenol		1.268	1.295	1.337	1.221	1.146	1.195	1.119	1.226	6.47
6)		Aniline		2.144	2.213	2.245	2.091	1.964	2.003	1.869	2.076	6.60
7)	S	Phenol-d6		1.726	1.792	1.834	1.690	1.584	1.638	1.498	1.680	6.99
8)		2-Chlorophenol		1.320	1.344	1.383	1.307	1.217	1.258	1.169	1.285	5.84
9)		Benzaldehyde		1.166	1.128	1.019	0.800	0.697	0.673	0.581	0.866	27.22
10)	C	Phenol		1.696	1.757	1.780	1.633	1.527	1.575	1.455	1.632	7.39
11)		bis(2-Chloroet...		1.436	1.442	1.431	1.318	1.231	1.267	1.161	1.326	8.51
12)		1,3-Dichlorobe...		1.467	1.464	1.473	1.375	1.294	1.337	1.247	1.380	6.63
13)	C	1,4-Dichlorobe...		1.493	1.481	1.496	1.395	1.315	1.357	1.261	1.400	6.70
14)		1,2-Dichlorobe...		1.438	1.433	1.442	1.355	1.267	1.303	1.196	1.348	7.16
15)		Benzyl Alcohol		1.148	1.212	1.224	1.170	1.097	1.145	1.040	1.148	5.57
16)		2,2'-oxybis(1-...		1.687	1.699	1.655	1.477	1.367	1.387	1.260	1.504	11.74
17)		2-Methylphenol		1.202	1.249	1.263	1.193	1.114	1.153	1.058	1.176	6.22
18)		Hexachloroethane		0.530	0.539	0.540	0.496	0.462	0.482	0.447	0.499	7.58
19)	P	n-Nitroso-di-n...	1.120	1.114	1.153	1.132	1.056	0.970	0.988	0.889	1.053	8.96
20)		3+4-Methylphenols		1.604	1.672	1.697	1.631	1.533	1.586	1.458	1.597	5.13
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.521	0.526	0.539	0.506	0.478	0.495	0.470	0.505	5.09
23)	S	Nitrobenzene-d5		0.345	0.365	0.386	0.362	0.345	0.358	0.341	0.357	4.32
24)		Nitrobenzene		0.366	0.376	0.393	0.368	0.351	0.366	0.348	0.367	4.13
25)		Isophorone		0.717	0.744	0.762	0.731	0.691	0.720	0.685	0.721	3.79
26)	C	2-Nitrophenol		0.103	0.114	0.138	0.153	0.155	0.164	0.163	0.141	17.23
27)		2,4-Dimethylph...		0.318	0.328	0.343	0.327	0.313	0.318	0.313	0.323	3.31
28)		bis(2-Chloroet...		0.459	0.459	0.467	0.443	0.419	0.434	0.412	0.442	4.79
29)	C	2,4-Dichloroph...		0.269	0.280	0.307	0.318	0.307	0.322	0.311	0.302	6.61
30)		1,2,4-Trichlor...		0.318	0.320	0.330	0.337	0.322	0.339	0.324	0.327	2.56
31)		Naphthalene		1.079	1.074	1.100	1.052	0.999	1.037	0.982	1.046	4.14
32)		Benzoic acid			0.128	0.168	0.197	0.202	0.220	0.229	0.191	19.57
33)		4-Chloroaniline		0.463	0.470	0.493	0.481	0.458	0.477	0.461	0.472	2.70
34)	C	Hexachlorobuta...		0.185	0.181	0.189	0.204	0.197	0.204	0.197	0.194	4.78
35)		Caprolactam		0.096	0.107	0.115	0.114	0.110	0.117	0.114	0.110	6.58
36)	C	4-Chloro-3-met...		0.313	0.329	0.352	0.346	0.330	0.347	0.332	0.336	4.12
37)		2-Methylnaphth...		0.768	0.773	0.781	0.776	0.735	0.763	0.723	0.760	2.91
38)		1-Methylnaphth...		0.724	0.725	0.734	0.726	0.691	0.714	0.673	0.713	3.11

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.586	0.604	0.631	0.606	0.639	0.610	0.608	3.66
41)	P	Hexachlorocycl...	0.248	0.264	0.291	0.333	0.330	0.334	0.337	0.305	12.22
42)	S	2,4,6-Tribromo...		0.232	0.256	0.318	0.307	0.330	0.323	0.294	13.74
43)	C	2,4,6-Trichlor...	0.324	0.350	0.394	0.417	0.404	0.427	0.413	0.390	9.85
44)		2,4,5-Trichlor...	0.403	0.434	0.476	0.501	0.489	0.514	0.495	0.473	8.44
45)	S	2-Fluorobiphenyl	1.465	1.474	1.485	1.418	1.317	1.361	1.245	1.395	6.51
46)		1,1'-Biphenyl	1.562	1.576	1.606	1.538	1.449	1.513	1.428	1.525	4.32
47)		2-Chloronaphth...	1.165	1.177	1.208	1.165	1.095	1.147	1.094	1.150	3.68
48)		2-Nitroaniline	0.275	0.302	0.350	0.338	0.324	0.344	0.337	0.324	8.31
49)		Acenaphthylene	1.880	1.956	2.038	1.935	1.825	1.914	1.810	1.908	4.13
50)		Dimethylphthalate	1.574	1.599	1.622	1.567	1.495	1.563	1.489	1.559	3.19
51)		2,6-Dinitrotol...	0.267	0.301	0.331	0.335	0.322	0.345	0.334	0.319	8.48
52)	C	Acenaphthene	1.136	1.167	1.192	1.151	1.082	1.136	1.080	1.135	3.67
53)		3-Nitroaniline	0.305	0.339	0.378	0.374	0.362	0.389	0.379	0.361	8.18
54)	P	2,4-Dinitrophenol		0.079	0.098	0.122	0.130	0.145	0.155	0.121	23.36
55)		Dibenzofuran	1.899	1.912	1.956	1.877	1.771	1.859	1.754	1.861	3.98
56)	P	4-Nitrophenol	0.215	0.261	0.298	0.296	0.288	0.312	0.308	0.283	12.12
57)		2,4-Dinitrotol...	0.305	0.363	0.430	0.450	0.435	0.468	0.462	0.416	14.45
58)		Fluorene	1.497	1.526	1.561	1.494	1.381	1.444	1.334	1.462	5.55
59)		2,3,4,6-Tetrac...	0.327	0.351	0.377	0.417	0.406	0.424	0.422	0.389	9.84
60)		Diethylphthalate	1.552	1.585	1.637	1.564	1.470	1.550	1.484	1.549	3.71
61)		4-Chlorophenyl...	0.734	0.742	0.761	0.765	0.721	0.749	0.693	0.738	3.36
62)		4-Nitroaniline	0.287	0.338	0.383	0.375	0.358	0.387	0.380	0.358	10.02
63)		Azobenzene	1.525	1.576	1.635	1.436	1.336	1.396	1.336	1.462	8.07
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.056	0.072	0.087	0.091	0.098	0.100	0.084	20.44
66)	c	n-Nitrosodiphe...	0.605	0.604	0.630	0.597	0.563	0.584	0.544	0.589	4.88
67)		4-Bromophenyl-...	0.199	0.196	0.208	0.224	0.215	0.224	0.216	0.212	5.37
68)		Hexachlorobenzene	0.224	0.220	0.226	0.250	0.241	0.251	0.240	0.236	5.39
69)		Atrazine	0.172	0.179	0.189	0.181	0.173	0.168	0.164	0.175	4.74
70)	C	Pentachlorophenol		0.129	0.150	0.172	0.171	0.182	0.177	0.163	12.36
71)		Phenanthrene	1.110	1.108	1.125	1.068	1.004	1.040	0.979	1.062	5.32
72)		Anthracene	1.071	1.091	1.138	1.088	1.027	1.067	0.994	1.068	4.38
73)		Carbazole	1.007	1.037	1.080	1.010	0.951	0.992	0.932	1.001	5.01
74)		Di-n-butylphth...	1.098	1.165	1.277	1.199	1.132	1.174	1.063	1.158	6.05
75)	C	Fluoranthene	1.191	1.241	1.310	1.288	1.222	1.273	1.187	1.245	3.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.407	0.409	0.292	0.381	0.316	0.299	0.323	0.347	14.61
78)		Pyrene	1.380	1.383	1.451	1.363	1.291	1.304	1.213	1.341	5.79
79)	S	Terphenyl-d14	1.054	1.046	1.071	0.997	0.888	0.866	0.705	0.947	14.17
80)		Butylbenzylpht...	0.462	0.504	0.583	0.544	0.527	0.543	0.524	0.527	7.12
81)		Benzo(a)anthra...	1.346	1.379	1.413	1.368	1.297	1.334	1.257	1.342	3.91
82)		3,3'-Dichlorob...	0.387	0.420	0.439	0.470	0.451	0.465	0.452	0.441	6.57
83)		Chrysene	1.319	1.332	1.364	1.296	1.220	1.265	1.176	1.281	5.15
84)		Bis(2-ethylhex...	0.712	0.789	0.880	0.811	0.779	0.806	0.759	0.791	6.53
85)	c	Di-n-octyl pht...	1.158	1.309	1.466	1.361	1.317	1.387	1.311	1.330	7.09

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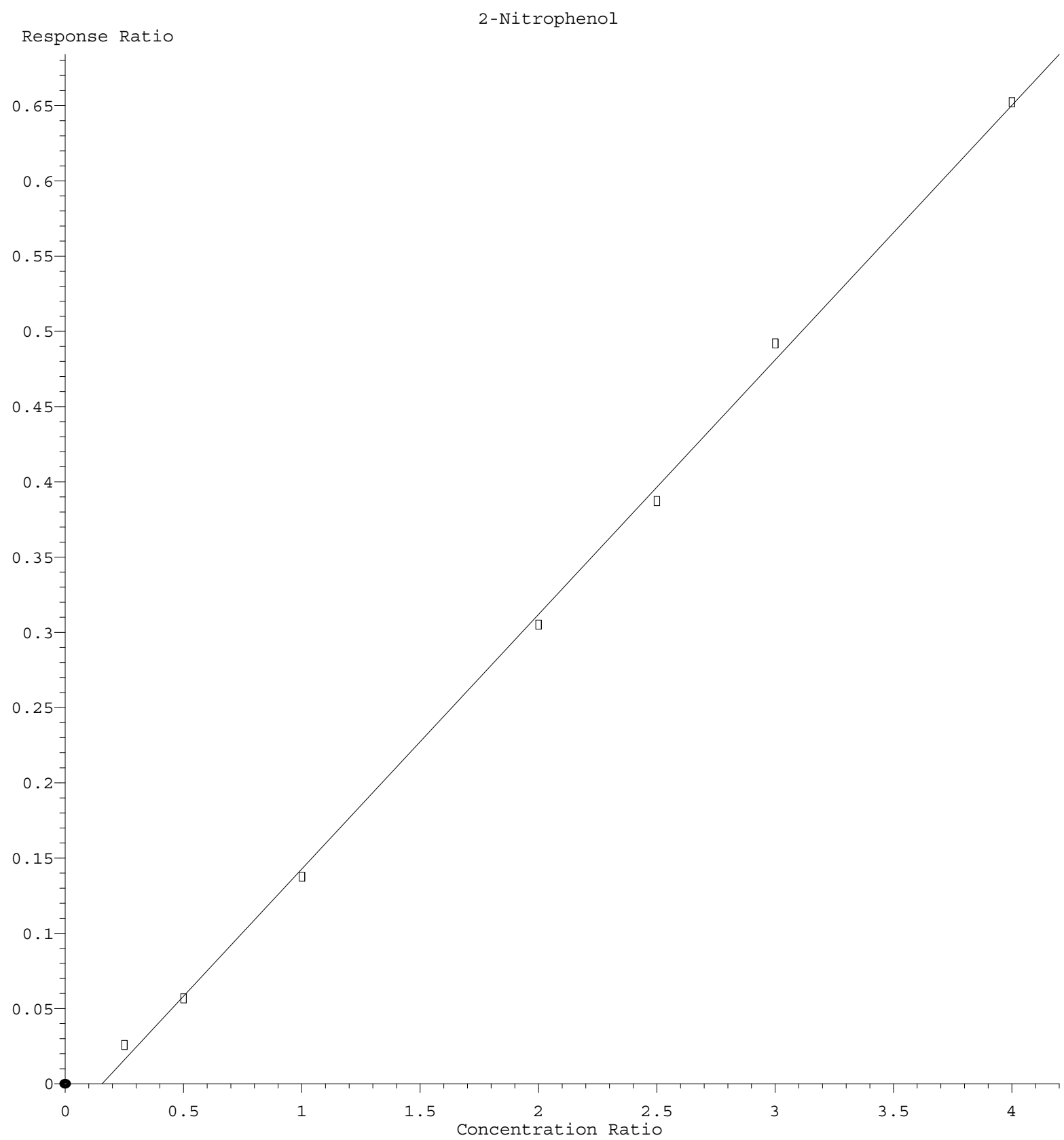
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.247	1.341	1.398	1.350	1.305	1.437	1.360	1.348	4.56
88)		Benzo(b)fluora...	1.126	1.123	1.209	1.215	1.160	1.174	1.108	1.159	3.67
89)		Benzo(k)fluora...	1.139	1.193	1.246	1.222	1.145	1.188	1.121	1.179	3.91
90)	C	Benzo(a)pyrene	1.063	1.096	1.168	1.167	1.111	1.155	1.101	1.123	3.64
91)		Dibenzo(a,h)an...	1.037	1.129	1.170	1.135	1.086	1.193	1.121	1.124	4.58
92)		Benzo(g,h,i)pe...	1.006	1.094	1.131	1.074	1.033	1.153	1.095	1.084	4.77

(#) = Out of Range



Response = 1.692e-001 * Amt - 2.644e-002
Coef of Det (r^2) = 0.998839 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP072723.M
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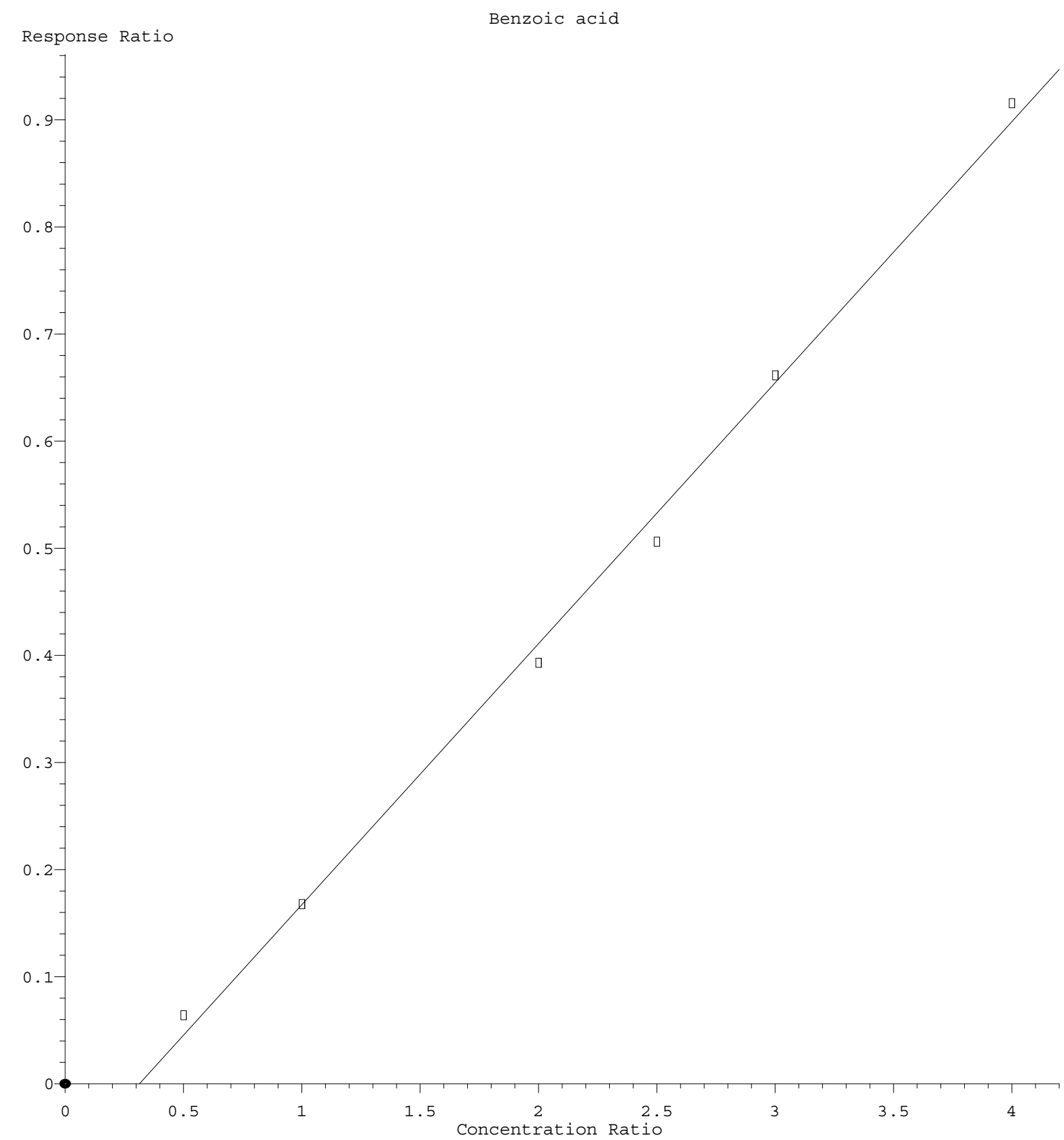

Response = 2.436e-001 * Amt - 7.657e-002
Coef of Det (r^2) = 0.996539 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP072723.M
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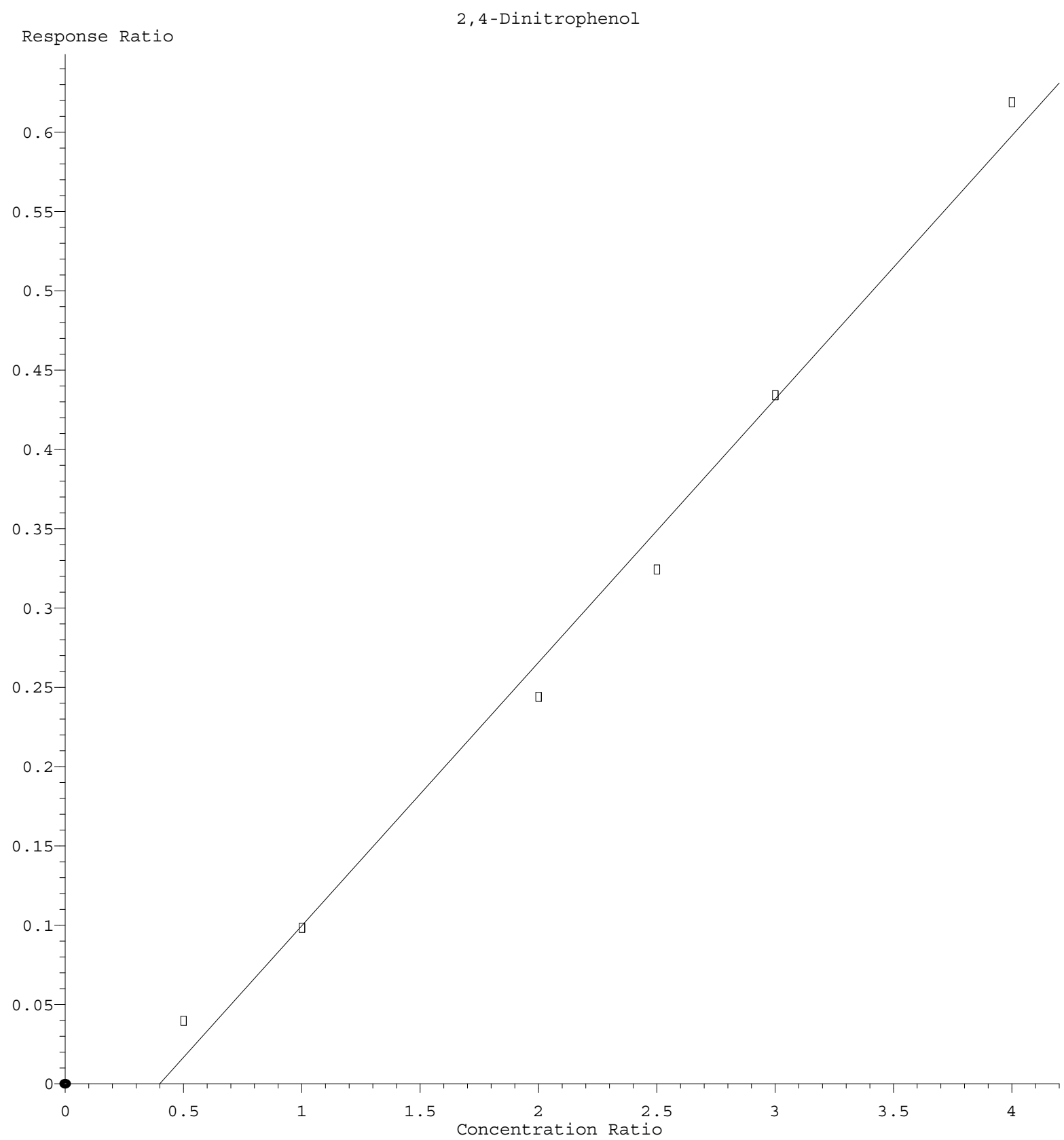

Response = 1.660e-001 * Amt - 6.640e-002
Coef of Det (r^2) = 0.991124 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP072723.M
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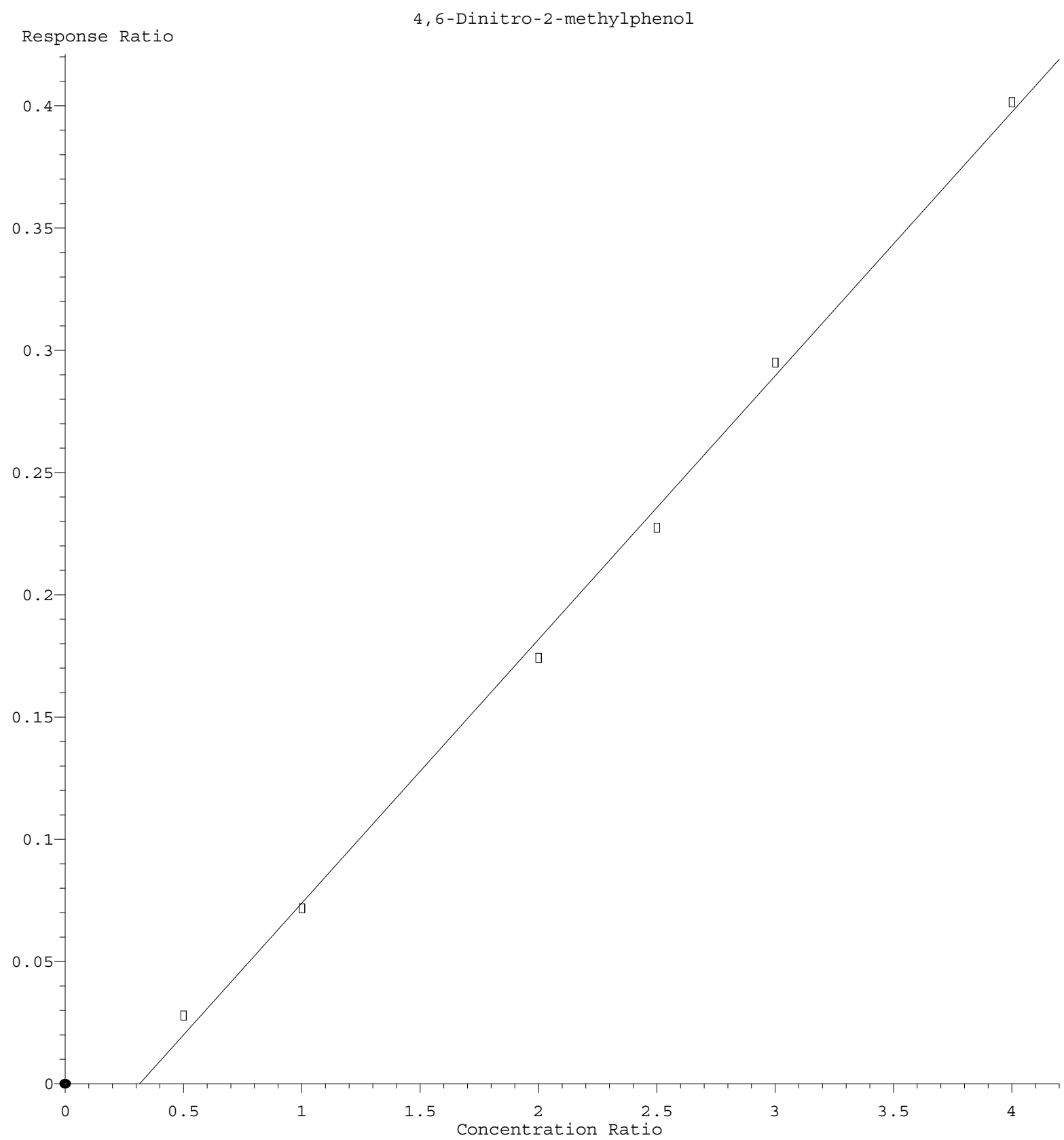

Response = 1.078e-001 * Amt - 3.396e-002
Coef of Det (r^2) = 0.997548 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP072723.M
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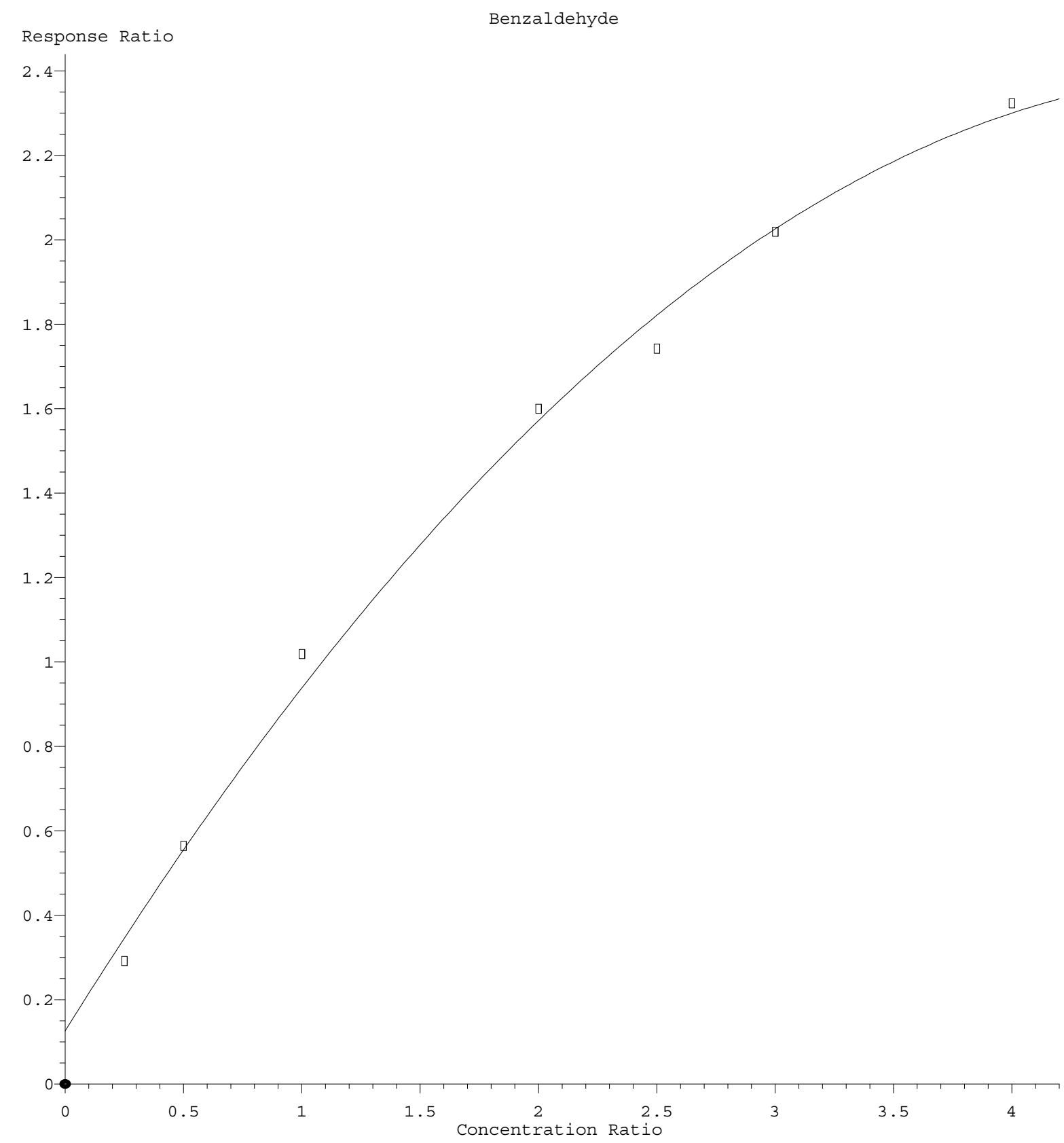

R = -8.971e-002 A*A + 9.024e-001 A + 1.258e-001
Coef of Det (r^2) = 0.995051 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP072723.M
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