Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP012924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jan 30 00:59:08 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP019462.D 5 =BP019463.D 10 =BP019464.D 20 =BP019465.D 40 =BP019466.D 50 =BP019467.D 60 =BP019468.D 80 =BP0194
69.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.500	0.483	0.486	0.456	0.450	0.469	0.460	0.472	3.84
3)		Pyridine		1.407	1.337	1.361	1.318	1.404	1.496	1.411	1.391	4.24
4)		n-Nitrosodimet...		0.719	0.761	0.755	0.738	0.780	0.817	0.786	0.765	4.28
5)	S	2-Fluorophenol		1.274	1.268	1.244	1.200	1.236	1.306	1.271	1.257	2.67
6)		Aniline		1.933	1.776	1.864	1.700	1.857	1.976	1.800	1.844	5.10
7)	S	Phenol-d6		1.873	1.803	1.853	1.712	1.818	1.931	1.854	1.835	3.72
8)		2-Chlorophenol		1.381	1.345	1.343	1.260	1.325	1.407	1.357	1.345	3.45
9)		Benzaldehyde			1.268	1.201	0.951	0.921	0.907		1.050	16.33
10)	C	Phenol		1.812	1.791	1.820	1.692	1.813	1.928	1.839	1.814	3.84
11)		bis(2-Chloroet...		1.456	1.419	1.431	1.282	1.360	1.425	1.391	1.395	4.18
12)		1,3-Dichlorobe...		1.673	1.593	1.587	1.487	1.540	1.607	1.569	1.580	3.66
13)	C	1,4-Dichlorobe...		1.714	1.627	1.599	1.513	1.558	1.640	1.600	1.607	3.96
14)		1,2-Dichlorobe...		1.624	1.555	1.547	1.458	1.522	1.593	1.551	1.550	3.39
15)		Benzyl Alcohol		1.577	1.590	1.654	1.477	1.607	1.713	1.625	1.606	4.55
16)		2,2'-oxybis(1-...		2.035	1.921	1.943	1.746	1.842	1.905	1.853	1.892	4.79
17)		2-Methylphenol		1.262	1.274	1.271	1.132	1.243	1.338	1.255	1.254	4.92
18)		Hexachloroethane		0.673	0.629	0.646	0.614	0.638	0.664	0.647	0.645	3.12
19)	P	n-Nitroso-di-n...	1.415	1.433	1.420	1.450	1.234	1.350	1.426	1.353	1.385	5.12
20)		3+4-Methylphenols		1.743	1.740	1.793	1.579	1.731	1.849	1.772	1.744	4.77
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.614	0.598	0.601	0.565	0.604	0.604	0.611	0.600	2.70
23)	S	Nitrobenzene-d5		0.466	0.476	0.490	0.466	0.493	0.503	0.507	0.486	3.43
24)		Nitrobenzene		0.491	0.491	0.497	0.469	0.497	0.510	0.509	0.495	2.79
25)		Isophorone		0.940	0.916	0.949	0.838	0.909	0.925	0.922	0.914	3.95
26)	C	2-Nitrophenol		0.147	0.160	0.167	0.170	0.184	0.189	0.193	0.173	9.65
27)		2,4-Dimethylph...		0.239	0.235	0.242	0.225	0.236	0.242	0.244	0.238	2.75
28)		bis(2-Chloroet...		0.515	0.487	0.500	0.453	0.476	0.475	0.485	0.484	4.04
29)	C	2,4-Dichloroph...		0.339	0.328	0.346	0.323	0.348	0.351	0.358	0.342	3.72
30)		1,2,4-Trichlor...		0.403	0.397	0.404	0.378	0.393	0.397	0.410	0.397	2.55
31)		Naphthalene		1.145	1.118	1.134	1.045	1.112	1.127	1.130	1.116	2.96
32)		Benzoic acid		0.191	0.212	0.239	0.226	0.268	0.278	0.274	0.241	13.97
33)		4-Chloroaniline		0.434	0.433	0.457	0.410	0.447	0.454	0.442	0.440	3.67
34)	C	Hexachlorobuta...		0.296	0.288	0.289	0.275	0.285	0.284	0.299	0.288	2.67
35)		Caprolactam		0.125	0.107	0.131	0.108	0.128	0.131	0.119	0.121	8.40
36)	C	4-Chloro-3-met...		0.423	0.421	0.454	0.399	0.444	0.458	0.442	0.434	4.85
37)		2-Methylnaphth...		0.822	0.801	0.826	0.737	0.796	0.807	0.810	0.800	3.70
38)		1-Methylnaphth...		0.811	0.785	0.819	0.728	0.794	0.797	0.803	0.791	3.78

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.673	0.688	0.669	0.669	0.674	0.693	0.721	0.684	2.78
41)	P	Hexachlorocycl...	0.282	0.306	0.304	0.313	0.306	0.308	0.341	0.309	5.63
42)	S	2,4,6-Tribromo...	0.261	0.243	0.275	0.253	0.287	0.307	0.292	0.274	8.33
43)	C	2,4,6-Trichlor...	0.406	0.422	0.433	0.429	0.447	0.467	0.470	0.439	5.36
44)		2,4,5-Trichlor...	0.450	0.491	0.482	0.479	0.507	0.520	0.525	0.493	5.33
45)	S	2-Fluorobiphenyl	1.547	1.576	1.550	1.499	1.520	1.558	1.622	1.553	2.55
46)		1,1'-Biphenyl	1.542	1.567	1.538	1.479	1.530	1.566	1.593	1.545	2.33
47)		2-Chloronaphth...	1.242	1.276	1.238	1.211	1.246	1.276	1.295	1.255	2.30
48)		2-Nitroaniline	0.383	0.402	0.426	0.425	0.469	0.489	0.465	0.437	8.83
49)		Acenaphthylene	1.838	1.862	1.867	1.764	1.864	1.921	1.889	1.858	2.62
50)		Dimethylphthalate	1.669	1.591	1.653	1.521	1.645	1.724	1.654	1.637	3.93
51)		2,6-Dinitrotol...	0.336	0.340	0.355	0.336	0.369	0.385	0.372	0.356	5.49
52)	C	Acenaphthene	1.149	1.142	1.150	1.094	1.154	1.195	1.173	1.151	2.69
53)		3-Nitroaniline	0.320	0.310	0.342	0.318	0.359	0.376	0.349	0.339	7.09
54)	P	2,4-Dinitrophenol		0.138	0.168	0.169	0.201	0.217	0.208	0.184	16.51
55)		Dibenzofuran	1.900	1.879	1.912	1.782	1.888	1.936	1.911	1.887	2.63
56)	P	4-Nitrophenol	0.243	0.232	0.285	0.261	0.309	0.326	0.281	0.277	12.28
57)		2,4-Dinitrotol...	0.431	0.429	0.504	0.452	0.530	0.551	0.512	0.487	10.11
58)		Fluorene	1.578	1.529	1.580	1.447	1.579	1.632	1.584	1.561	3.76
59)		2,3,4,6-Tetrac...	0.412	0.397	0.430	0.400	0.447	0.466	0.444	0.428	6.12
60)		Diethylphthalate	1.752	1.601	1.766	1.559	1.743	1.821	1.730	1.710	5.51
61)		4-Chlorophenyl...	0.854	0.837	0.855	0.784	0.837	0.880	0.872	0.846	3.75
62)		4-Nitroaniline	0.349	0.304	0.374	0.333	0.400	0.418	0.360	0.363	10.78
63)		Azobenzene	1.744	1.672	1.780	1.611	1.740	1.798	1.712	1.723	3.74
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.108	0.111	0.125	0.131	0.134	0.117	12.90
66)	c	n-Nitrosodiphe...	0.587	0.623	0.599	0.579	0.589	0.589	0.619	0.598	2.81
67)		4-Bromophenyl-...	0.221	0.236	0.228	0.222	0.225	0.229	0.247	0.229	3.94
68)		Hexachlorobenzene	0.255	0.270	0.258	0.254	0.256	0.264	0.272	0.261	2.91
69)		Atrazine	0.237	0.220	0.230	0.204	0.210	0.210	0.192	0.215	7.19
70)	C	Pentachlorophenol	0.144	0.152	0.174	0.170	0.184	0.189	0.186	0.171	10.08
71)		Phenanthrene	1.071	1.071	1.066	1.013	1.072	1.089	1.072	1.065	2.24
72)		Anthracene	1.064	1.061	1.067	1.024	1.072	1.095	1.059	1.063	1.98
73)		Carbazole	0.999	0.952	1.013	0.927	1.037	1.055	0.961	0.992	4.74
74)		Di-n-butylphth...	1.241	1.117	1.320	1.130	1.307	1.341	1.273	1.247	7.24
75)	C	Fluoranthene	1.340	1.169	1.334	1.147	1.384	1.427	1.223	1.289	8.45
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.442	0.321	0.290	0.384	0.461	0.522		0.403	21.88
78)		Pyrene	1.618	1.783	1.630	1.754	1.450	1.530	1.917	1.669	9.58
79)	S	Terphenyl-d14	1.333	1.437	1.379	1.444	1.254	1.326	1.653	1.404	9.16
80)		Butylbenzylpht...	0.617	0.597	0.655	0.599	0.613	0.643	0.696	0.631	5.69
81)		Benzo(a)anthra...	1.457	1.437	1.440	1.374	1.421	1.484	1.476	1.441	2.57
82)		3,3'-Dichlorob...	0.496	0.484	0.479	0.445	0.494	0.518	0.476	0.485	4.63
83)		Chrysene	1.354	1.338	1.349	1.285	1.331	1.375	1.381	1.345	2.39
84)		Bis(2-ethylhex...	0.865	0.842	0.906	0.785	0.887	0.959	0.949	0.885	6.88
85)	c	Di-n-octyl pht...	1.307	1.368	1.379	1.207	1.501	1.596	1.423	1.397	9.08

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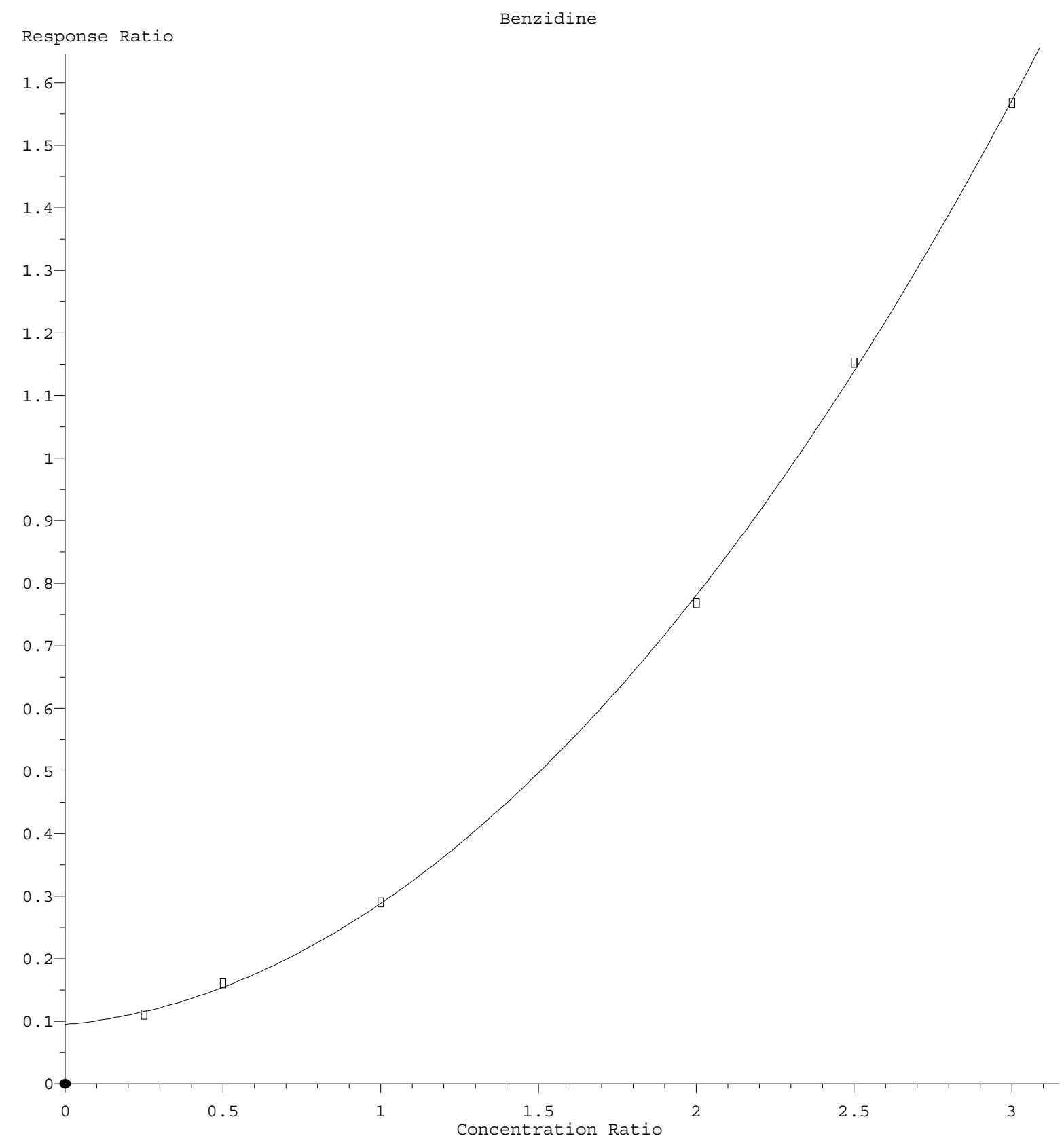
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.232	1.496	1.222	1.429	1.188	1.223	1.542	1.333	11.24
88)		Benzo(b)fluora...	1.322	1.275	1.435	1.212	1.352	1.411	1.355	1.337	5.74
89)		Benzo(k)fluora...	1.294	1.205	1.288	1.181	1.289	1.369	1.298	1.275	4.93
90)	C	Benzo(a)pyrene	1.122	1.126	1.157	1.077	1.143	1.191	1.178	1.142	3.34
91)		Dibenzo(a,h)an...	1.033	1.244	1.008	1.173	0.987	1.014	1.264	1.103	10.85
92)		Benzo(g,h,i)pe...	1.019	1.276	0.999	1.220	0.935	0.960	1.279	1.098	13.97

(#) = Out of Range



R = 1.494e-001 A*A + 4.390e-002 A + 9.495e-002
Coef of Det (r^2) = 0.999762 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012924.M
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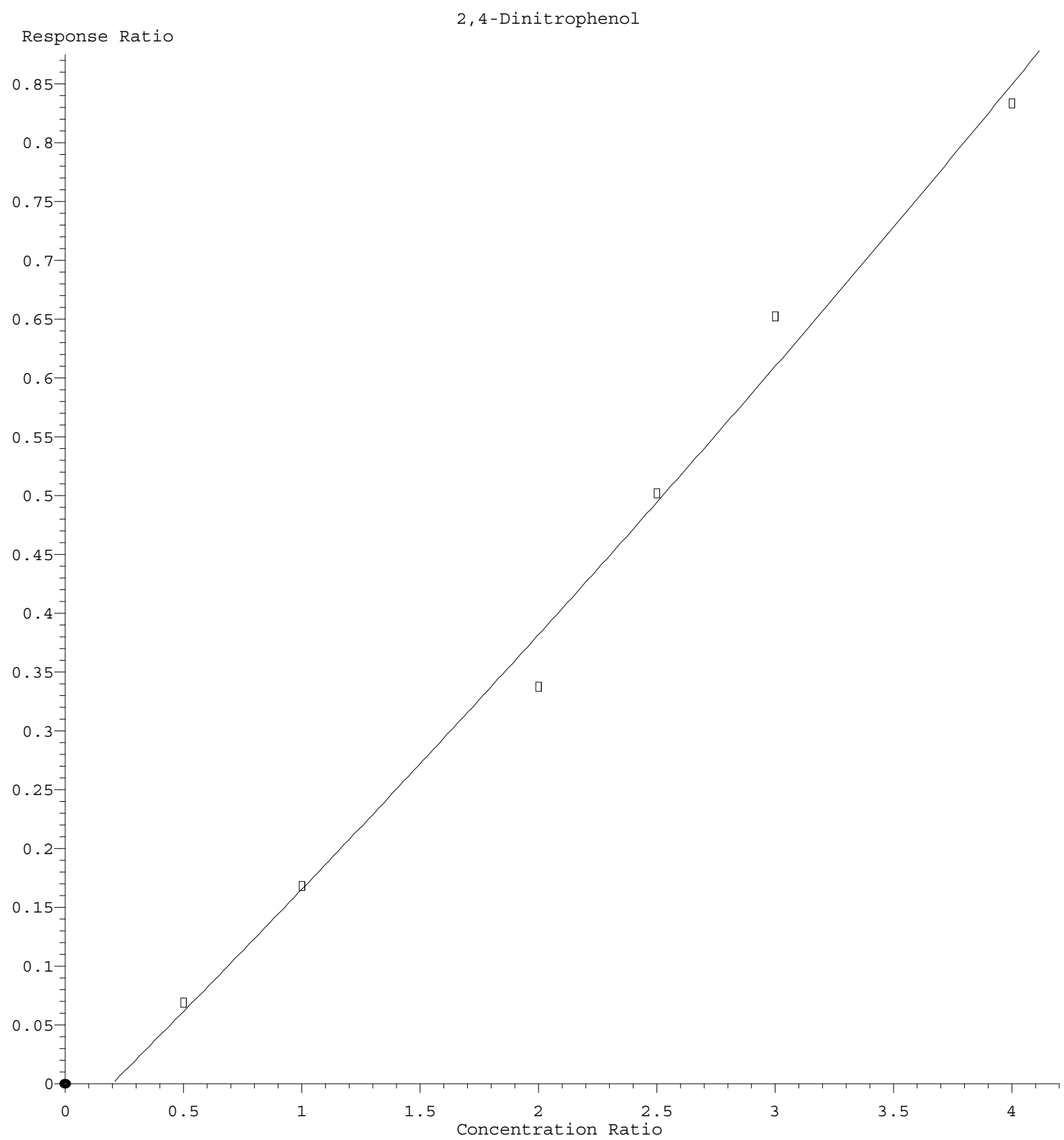

R = 5.785e-003 A*A + 1.991e-001 A - 3.958e-002
Coef of Det (r^2) = 0.990233 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012924.M
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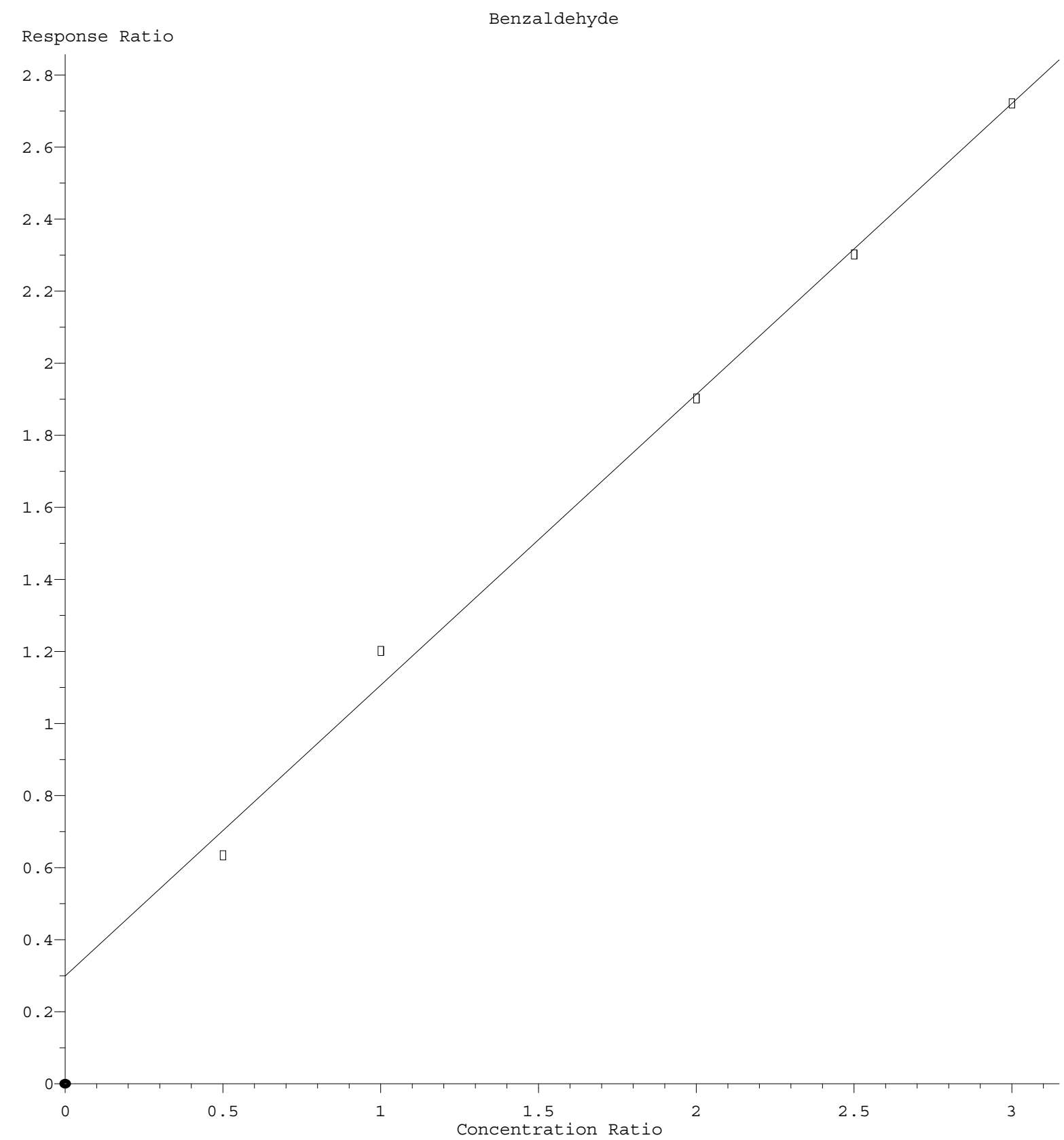

Response = 8.073e-001 * Amt + 2.989e-001
Coef of Det (r^2) = 0.995011 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP012924.M
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