Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed May 01 05:11:25 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BG061058.D 5 =BG061059.D 10 =BG061060.D 20 =BG061061.D 40 =BG061062.D 50 =BG061063.D 60 =BG061064.D 80 =BG0610
65.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.457	0.464	0.337	0.401	0.367	0.381	0.377	0.398	11.77
3)		Pyridine		1.143	1.136	1.111	1.242	1.182	1.206	1.170	1.170	3.81
4)		n-Nitrosodimet...		1.074	1.202	1.072	1.152	1.114	1.124	1.132	1.124	4.00
5)	S	2-Fluorophenol		0.992	0.989	0.925	1.023	0.978	0.994	0.983	0.983	3.01
6)		Aniline		1.346	1.419	1.530	1.452	1.450	1.509	1.389	1.442	4.46
7)	S	Phenol-d6		1.375	1.382	1.540	1.466	1.433	1.510	1.477	1.455	4.26
8)		2-Chlorophenol		1.121	1.211	1.271	1.228	1.178	1.207	1.229	1.206	3.89
9)		Benzaldehyde		0.983	0.996	0.908	0.803	0.714	0.709	0.627	0.820	17.69
10)	C	Phenol		1.388	1.415	1.569	1.465	1.481	1.534	1.504	1.479	4.30
11)		bis(2-Chloroet...		0.972	1.012	1.106	1.007	0.991	1.032	1.034	1.022	4.21
12)		1,3-Dichlorobe...		1.396	1.425	1.559	1.419	1.379	1.381	1.397	1.422	4.41
13)	C	1,4-Dichlorobe...		1.491	1.467	1.553	1.496	1.411	1.429	1.442	1.470	3.30
14)		1,2-Dichlorobe...		1.419	1.393	1.467	1.415	1.386	1.414	1.433	1.418	1.88
15)		Benzyl Alcohol		1.295	1.158	1.446	1.302	1.282	1.353	1.351	1.312	6.69
16)		2,2'-oxybis(1-...		2.139	2.208	2.110	2.241	2.221	2.310	2.296	2.218	3.34
17)		2-Methylphenol		0.958	1.041	1.012	1.095	1.065	1.096	1.114	1.054	5.23
18)		Hexachloroethane		0.507	0.569	0.469	0.564	0.516	0.521	0.526	0.525	6.50
19)	P	n-Nitroso-di-n...	1.009	1.200	1.057	1.035	1.069	1.104	1.140	1.097	1.089	5.59
20)		3+4-Methylphenols		1.355	1.528	1.476	1.560	1.535	1.602	1.591	1.521	5.56
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.499	0.485	0.525	0.491	0.485	0.497	0.504	0.498	2.73
23)	S	Nitrobenzene-d5		0.410	0.390	0.417	0.388	0.401	0.402	0.417	0.403	2.92
24)		Nitrobenzene		0.384	0.377	0.415	0.392	0.392	0.397	0.406	0.395	3.27
25)		Isophorone		0.791	0.764	0.772	0.705	0.711	0.738	0.739	0.746	4.28
26)	C	2-Nitrophenol		0.180	0.189	0.190	0.181	0.184	0.192	0.192	0.187	2.70
27)		2,4-Dimethylph...		0.205	0.213	0.226	0.208	0.220	0.217	0.220	0.216	3.50
28)		bis(2-Chloroet...		0.383	0.366	0.381	0.348	0.354	0.364	0.366	0.366	3.48
29)	C	2,4-Dichloroph...		0.333	0.323	0.357	0.328	0.334	0.337	0.351	0.338	3.60
30)		1,2,4-Trichlor...		0.415	0.390	0.429	0.396	0.396	0.408	0.415	0.407	3.43
31)		Naphthalene		1.080	1.019	1.090	1.017	0.996	1.022	1.052	1.039	3.39
32)		Benzoic acid		0.195	0.224	0.275	0.248	0.263	0.265	0.274	0.249	11.92
33)		4-Chloroaniline		0.400	0.398	0.439	0.404	0.412	0.421	0.427	0.415	3.69
34)	C	Hexachlorobuta...		0.355	0.358	0.360	0.332	0.341	0.346	0.353	0.349	2.87
35)		Caprolactam		0.134	0.128	0.128	0.112	0.114	0.119	0.117	0.122	6.80
36)	C	4-Chloro-3-met...		0.392	0.418	0.426	0.401	0.390	0.409	0.415	0.407	3.35
37)		2-Methylnaphth...		0.768	0.797	0.823	0.755	0.749	0.770	0.790	0.779	3.34
38)		1-Methylnaphth...		0.834	0.773	0.824	0.740	0.750	0.774	0.794	0.784	4.51

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.680	0.612	0.682	0.681	0.656	0.666	0.695	0.667	4.14
41)	P	Hexachlorocycl...	0.203	0.212	0.248	0.285	0.272	0.279	0.289	0.256	13.80
42)	S	2,4,6-Tribromo...	0.409	0.395	0.409	0.409	0.391	0.391	0.395	0.400	2.15
43)	C	2,4,6-Trichlor...	0.414	0.403	0.431	0.442	0.428	0.436	0.445	0.429	3.49
44)		2,4,5-Trichlor...	0.452	0.470	0.505	0.500	0.486	0.484	0.497	0.485	3.86
45)	S	2-Fluorobiphenyl	1.340	1.312	1.362	1.384	1.332	1.362	1.377	1.353	1.91
46)		1,1'-Biphenyl	1.306	1.244	1.285	1.306	1.258	1.278	1.298	1.282	1.88
47)		2-Chloronaphth...	1.018	0.983	1.048	1.061	1.017	1.015	1.046	1.027	2.58
48)		2-Nitroaniline	0.380	0.370	0.374	0.389	0.379	0.386	0.389	0.381	1.86
49)		Acenaphthylene	1.571	1.507	1.619	1.620	1.558	1.577	1.588	1.577	2.46
50)		Dimethylphthalate	1.647	1.534	1.593	1.552	1.492	1.496	1.499	1.545	3.75
51)		2,6-Dinitrotol...	0.354	0.326	0.323	0.338	0.326	0.323	0.323	0.330	3.55
52)	C	Acenaphthene	0.984	0.937	1.017	1.009	0.971	0.982	0.987	0.984	2.65
53)		3-Nitroaniline	0.317	0.305	0.319	0.299	0.289	0.296	0.292	0.302	3.92
54)	P	2,4-Dinitrophenol	0.185	0.180	0.203	0.227	0.234	0.228	0.236	0.213	11.12
55)		Dibenzofuran	1.695	1.651	1.684	1.695	1.640	1.636	1.631	1.662	1.72
56)	P	4-Nitrophenol	0.261	0.238	0.239	0.255	0.242	0.239	0.237	0.244	3.88
57)		2,4-Dinitrotol...	0.477	0.491	0.513	0.506	0.487	0.479	0.469	0.489	3.26
58)		Fluorene	1.449	1.426	1.482	1.485	1.397	1.410	1.415	1.438	2.45
59)		2,3,4,6-Tetrac...	0.499	0.484	0.518	0.516	0.488	0.494	0.495	0.499	2.60
60)		Diethylphthalate	1.711	1.561	1.602	1.575	1.487	1.484	1.485	1.558	5.33
61)		4-Chlorophenyl...	0.873	0.881	0.886	0.871	0.844	0.840	0.849	0.863	2.17
62)		4-Nitroaniline	0.321	0.327	0.347	0.338	0.325	0.319	0.320	0.328	3.19
63)		Azobenzene	1.260	1.217	1.235	1.235	1.167	1.186	1.188	1.213	2.74
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.113	0.112	0.128	0.124	0.129	0.130	0.134	0.124	6.81
66)	c	n-Nitrosodiphe...	0.489	0.480	0.517	0.484	0.490	0.502	0.509	0.496	2.81
67)		4-Bromophenyl-...	0.219	0.223	0.243	0.234	0.237	0.245	0.247	0.236	4.69
68)		Hexachlorobenzene	0.297	0.287	0.296	0.284	0.287	0.298	0.304	0.293	2.49
69)		Atrazine	0.232	0.209	0.211	0.200	0.197	0.194	0.190	0.205	6.98
70)	C	Pentachlorophenol	0.155	0.163	0.185	0.185	0.183	0.194	0.196	0.180	8.59
71)		Phenanthrene	0.937	0.896	0.932	0.913	0.898	0.908	0.916	0.914	1.69
72)		Anthracene	0.904	0.890	0.952	0.909	0.891	0.918	0.923	0.912	2.35
73)		Carbazole	0.855	0.832	0.805	0.801	0.772	0.773	0.778	0.802	3.95
74)		Di-n-butylphth...	1.022	0.960	0.965	0.965	0.916	0.921	0.929	0.954	3.87
75)	C	Fluoranthene	1.360	1.283	1.278	1.238	1.209	1.198	1.203	1.253	4.68
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.179	0.208	0.349	0.413	0.386	0.377	0.385	0.328	28.75
78)		Pyrene	1.267	1.237	1.307	1.264	1.264	1.272	1.291	1.272	1.76
79)	S	Terphenyl-d14	1.219	1.172	1.264	1.185	1.181	1.194	1.202	1.203	2.60
80)		Butylbenzylpht...	0.405	0.379	0.417	0.404	0.397	0.404	0.411	0.402	3.03
81)		Benzo(a)anthra...	1.383	1.264	1.336	1.282	1.282	1.294	1.320	1.309	3.11
82)		3,3'-Dichlorob...	0.482	0.451	0.486	0.472	0.463	0.468	0.474	0.471	2.52
83)		Chrysene	1.301	1.204	1.233	1.200	1.196	1.212	1.237	1.226	3.00
84)		Bis(2-ethylhex...	0.524	0.497	0.529	0.521	0.516	0.540	0.553	0.526	3.43
85)	c	Di-n-octyl pht...	0.929	0.858	0.938	0.933	0.922	0.936	0.975	0.927	3.76

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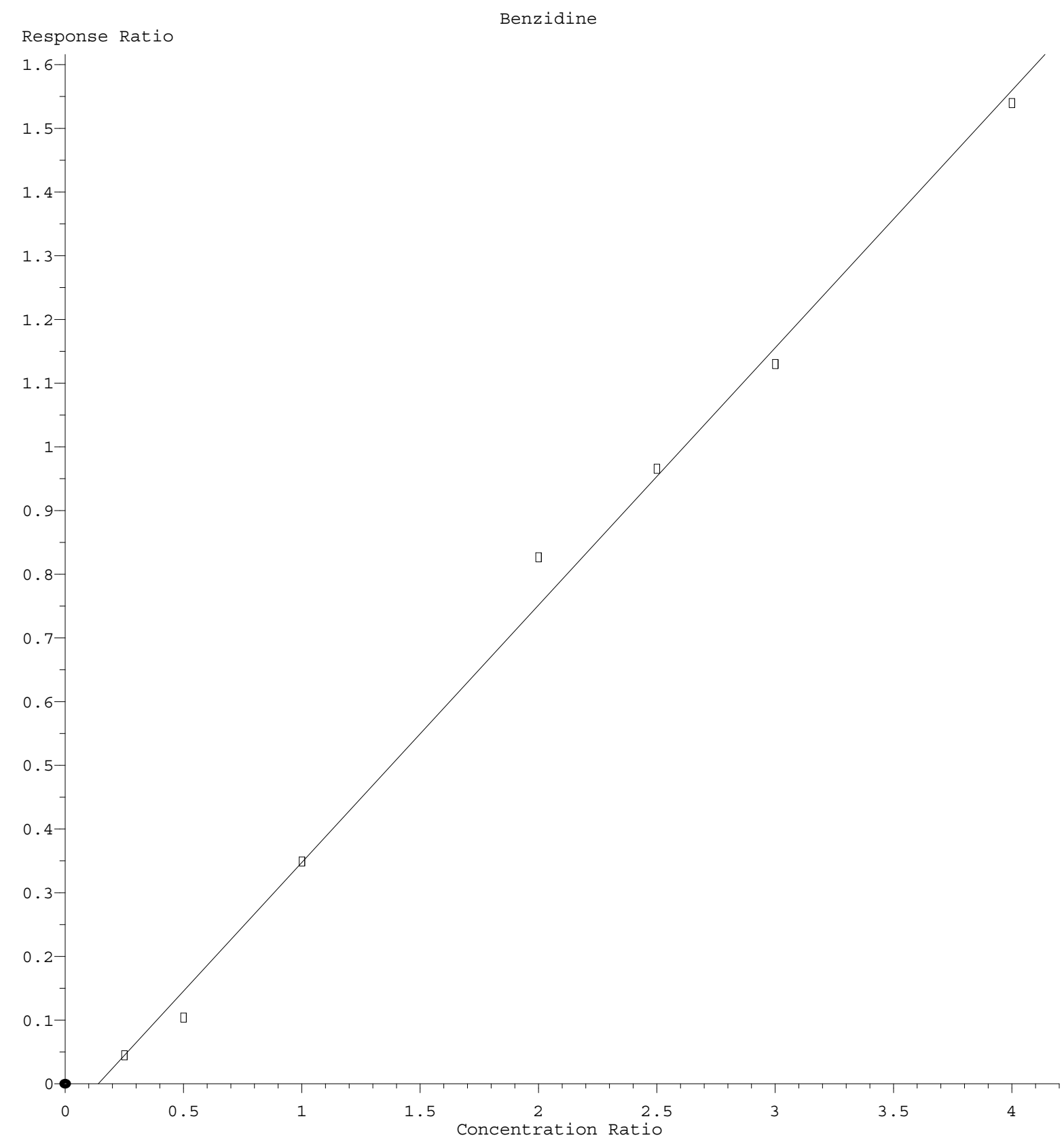
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.380	1.256	1.345	1.298	1.297	1.347	1.355	1.325	3.25
88)		Benzo(b)fluora...	1.164	1.062	1.145	1.081	1.092	1.141	1.139	1.118	3.45
89)		Benzo(k)fluora...	1.160	1.053	1.086	1.062	1.036	1.058	1.072	1.075	3.75
90)	C	Benzo(a)pyrene	1.043	0.922	0.988	0.951	0.945	0.985	0.982	0.974	4.02
91)		Dibenzo(a,h)an...	1.136	1.051	1.120	1.070	1.070	1.120	1.116	1.098	3.00
92)		Benzo(g,h,i)pe...	1.110	1.057	1.107	1.076	1.066	1.103	1.116	1.091	2.18

(#) = Out of Range



Response = 4.041e-001 * Amt - 5.648e-002
Coef of Det (r^2) = 0.995464 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG043024.M
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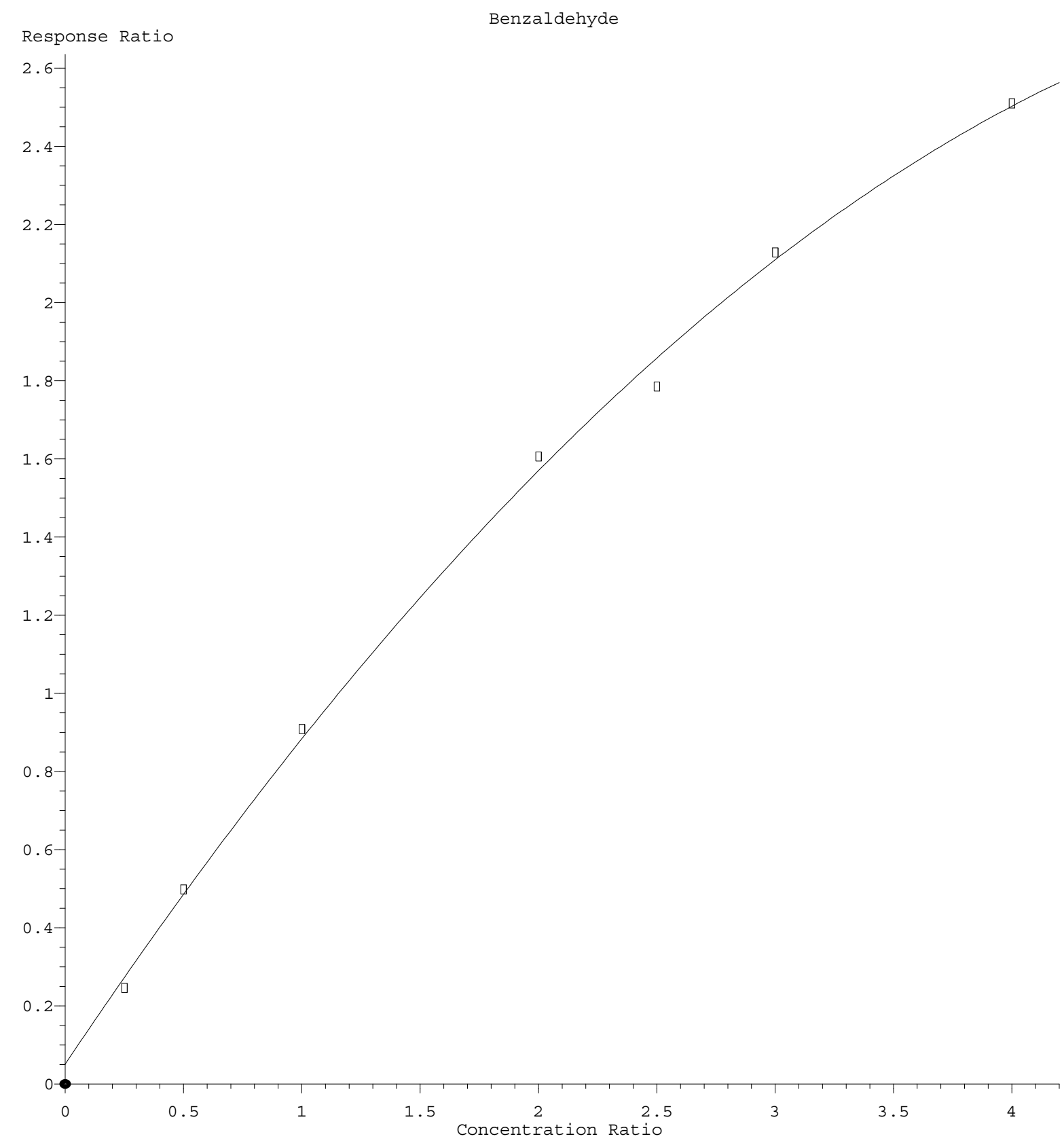

R = -7.330e-002 A*A + 9.061e-001 A + 5.074e-002
Coef of Det (r^2) = 0.998031 Curve Fit: Quadratic
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