Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF120523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 06 09:40:27 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136402.D 5 =BF136403.D 10 =BF136404.D 20 =BF136405.D 40 =BF136408.D 50 =BF136407.D 60 =BF136409.D 80 =BF1364
10.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.553	0.525	0.562	0.561	0.503	0.529	0.517	0.536	4.30
3)		Pyridine		1.291	1.233	1.362	1.395	1.236	1.312	1.253	1.297	4.85
4)		n-Nitrosodimet...		0.543	0.539	0.592	0.599	0.537	0.575	0.560	0.564	4.54
5)	S	2-Fluorophenol		1.404	1.370	1.457	1.409	1.262	1.320	1.257	1.354	5.66
6)		Aniline		1.753	1.714	1.808	1.805	1.580	1.692	1.602	1.708	5.31
7)	S	Phenol-d6		1.801	1.719	1.801	1.754	1.563	1.628	1.561	1.690	6.21
8)		2-Chlorophenol		1.568	1.493	1.574	1.534	1.377	1.437	1.367	1.478	5.84
9)		Benzaldehyde		1.111	1.029	1.039	0.910	0.737	0.767	0.680	0.896	18.95
10)	C	Phenol		1.935	1.805	1.915	1.875	1.681	1.742	1.632	1.798	6.53
11)		bis(2-Chloroet...		1.421	1.374	1.412	1.383	1.236	1.307	1.248	1.340	5.72
12)		1,3-Dichlorobe...		1.759	1.670	1.750	1.729	1.542	1.621	1.569	1.663	5.28
13)	C	1,4-Dichlorobe...		1.765	1.715	1.762	1.749	1.567	1.668	1.580	1.687	4.99
14)		1,2-Dichlorobe...		1.703	1.606	1.703	1.640	1.459	1.527	1.465	1.586	6.56
15)		Benzyl Alcohol		1.156	1.130	1.230	1.198	1.066	1.108	1.031	1.131	6.23
16)		2,2'-oxybis(1-...		1.889	1.753	1.853	1.782	1.593	1.638	1.557	1.724	7.50
17)		2-Methylphenol		1.189	1.223	1.273	1.257	1.115	1.175	1.129	1.194	5.07
18)		Hexachloroethane		0.616	0.577	0.625	0.619	0.552	0.576	0.557	0.589	5.23
19)	P	n-Nitroso-di-n...	0.947	1.081	0.993	1.033	1.020	0.898	0.939	0.886	0.975	7.03
20)		3+4-Methylphenols		1.637	1.525	1.620	1.534	1.353	1.396	1.314	1.483	8.69
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.523	0.501	0.515	0.511	0.465	0.479	0.463	0.494	4.98
23)	S	Nitrobenzene-d5		0.385	0.361	0.385	0.389	0.350	0.365	0.355	0.370	4.39
24)		Nitrobenzene		0.385	0.363	0.383	0.388	0.354	0.371	0.361	0.372	3.57
25)		Isophorone		0.681	0.663	0.687	0.697	0.623	0.659	0.642	0.665	3.93
26)	C	2-Nitrophenol		0.175	0.178	0.188	0.197	0.176	0.187	0.180	0.183	4.34
27)		2,4-Dimethylph...		0.234	0.223	0.237	0.238	0.213	0.220	0.215	0.226	4.69
28)		bis(2-Chloroet...		0.423	0.410	0.428	0.424	0.387	0.399	0.388	0.408	4.31
29)	C	2,4-Dichloroph...		0.307	0.287	0.307	0.316	0.283	0.296	0.287	0.298	4.22
30)		1,2,4-Trichlor...		0.355	0.343	0.359	0.364	0.329	0.344	0.337	0.347	3.68
31)		Naphthalene		1.171	1.106	1.148	1.151	1.032	1.076	1.036	1.103	5.13
32)		Benzoic acid		0.192	0.195	0.223	0.247	0.229	0.246	0.235	0.224	10.05
33)		4-Chloroaniline		0.395	0.397	0.416	0.417	0.361	0.395	0.371	0.393	5.31
34)	C	Hexachlorobuta...		0.214	0.209	0.213	0.215	0.191	0.202	0.196	0.206	4.62
35)		Caprolactam		0.097	0.091	0.095	0.097	0.084	0.091	0.088	0.092	5.14
36)	C	4-Chloro-3-met...		0.324	0.313	0.330	0.333	0.298	0.313	0.301	0.316	4.38
37)		2-Methylnaphth...		0.764	0.699	0.734	0.725	0.661	0.679	0.649	0.702	5.97
38)		1-Methylnaphth...		0.748	0.702	0.716	0.714	0.645	0.665	0.631	0.689	6.19

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.655	0.598	0.654	0.643	0.590	0.615	0.601	0.622	4.46
41)	P	Hexachlorocycl...		0.184	0.220	0.249	0.232	0.250	0.248	0.231	11.22
42)	S	2,4,6-Tribromo...	0.254	0.245	0.258	0.259	0.233	0.242	0.234	0.247	4.38
43)	C	2,4,6-Trichlor...	0.401	0.395	0.426	0.424	0.390	0.404	0.395	0.405	3.55
44)		2,4,5-Trichlor...	0.445	0.442	0.483	0.476	0.427	0.449	0.443	0.452	4.39
45)	S	2-Fluorobiphenyl	1.605	1.529	1.559	1.506	1.344	1.385	1.332	1.466	7.53
46)		1,1'-Biphenyl	1.792	1.716	1.804	1.757	1.592	1.644	1.609	1.702	5.14
47)		2-Chloronaphth...	1.377	1.329	1.380	1.364	1.253	1.303	1.266	1.325	3.95
48)		2-Nitroaniline	0.350	0.338	0.370	0.378	0.341	0.357	0.352	0.355	4.09
49)		Acenaphthylene	1.990	1.891	2.003	1.954	1.773	1.832	1.765	1.887	5.27
50)		Dimethylphthalate	1.510	1.448	1.543	1.524	1.393	1.469	1.420	1.472	3.78
51)		2,6-Dinitrotol...	0.335	0.321	0.345	0.347	0.315	0.330	0.324	0.331	3.66
52)	C	Acenaphthene	1.298	1.218	1.285	1.250	1.121	1.167	1.126	1.209	6.03
53)		3-Nitroaniline	0.341	0.332	0.356	0.356	0.316	0.340	0.327	0.338	4.29
54)	P	2,4-Dinitrophenol		0.124	0.156	0.189	0.167	0.188	0.182	0.167	14.79
55)		Dibenzofuran	1.924	1.803	1.858	1.822	1.642	1.707	1.610	1.766	6.57
56)	P	4-Nitrophenol	0.224	0.234	0.270	0.280	0.253	0.263	0.251	0.254	7.69
57)		2,4-Dinitrotol...	0.435	0.430	0.460	0.463	0.413	0.446	0.420	0.438	4.36
58)		Fluorene	1.565	1.450	1.527	1.451	1.308	1.341	1.285	1.418	7.68
59)		2,3,4,6-Tetrac...	0.378	0.355	0.386	0.381	0.343	0.354	0.338	0.362	5.31
60)		Diethylphthalate	1.532	1.448	1.513	1.507	1.368	1.406	1.361	1.448	4.93
61)		4-Chlorophenyl...	0.766	0.711	0.744	0.702	0.633	0.659	0.625	0.691	7.84
62)		4-Nitroaniline	0.328	0.334	0.355	0.364	0.318	0.335	0.318	0.336	5.24
63)		Azobenzene	1.371	1.314	1.400	1.367	1.241	1.284	1.248	1.318	4.79
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.096	0.110	0.127	0.141	0.126	0.138	0.130	0.124	12.93
66)	c	n-Nitrosodiphe...	0.683	0.642	0.664	0.654	0.602	0.637	0.610	0.642	4.50
67)		4-Bromophenyl-...	0.240	0.228	0.242	0.243	0.219	0.234	0.222	0.233	4.22
68)		Hexachlorobenzene	0.278	0.266	0.275	0.277	0.257	0.269	0.259	0.269	3.17
69)		Atrazine	0.213	0.198	0.194	0.177	0.157	0.159		0.183	12.29
70)	C	Pentachlorophenol	0.141	0.142	0.157	0.163	0.151	0.159	0.150	0.152	5.46
71)		Phenanthrene	1.167	1.108	1.146	1.130	1.039	1.072	1.032	1.099	4.80
72)		Anthracene	1.166	1.115	1.151	1.141	1.046	1.096	1.034	1.107	4.64
73)		Carbazole	1.049	1.003	1.021	1.019	0.915	0.961	0.893	0.980	6.00
74)		Di-n-butylphth...	1.229	1.208	1.265	1.253	1.137	1.197	1.120	1.201	4.58
75)	C	Fluoranthene	1.259	1.193	1.218	1.195	1.065	1.118	1.016	1.152	7.65
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.585	0.276	0.198	0.385	0.423	0.547		0.402	37.32
78)		Pyrene	1.853	1.803	1.991	2.048	1.945	2.041	2.029	1.959	4.94
79)	S	Terphenyl-d14	1.505	1.447	1.589	1.573	1.479	1.521	1.507	1.517	3.28
80)		Butylbenzylpht...	0.653	0.637	0.718	0.747	0.696	0.726	0.703	0.697	5.69
81)		Benzo(a)anthra...	1.463	1.399	1.454	1.419	1.322	1.359	1.336	1.393	4.03
82)		3,3'-Dichlorob...	0.404	0.410	0.409	0.396	0.382	0.373	0.361	0.391	4.90
83)		Chrysene	1.394	1.357	1.408	1.417	1.309	1.370	1.340	1.371	2.83
84)		Bis(2-ethylhex...	0.775	0.791	0.869	0.914	0.858	0.906	0.871	0.855	6.20
85)	c	Di-n-octyl pht...	1.103	1.140	1.232	1.340	1.269	1.360	1.394	1.263	8.82

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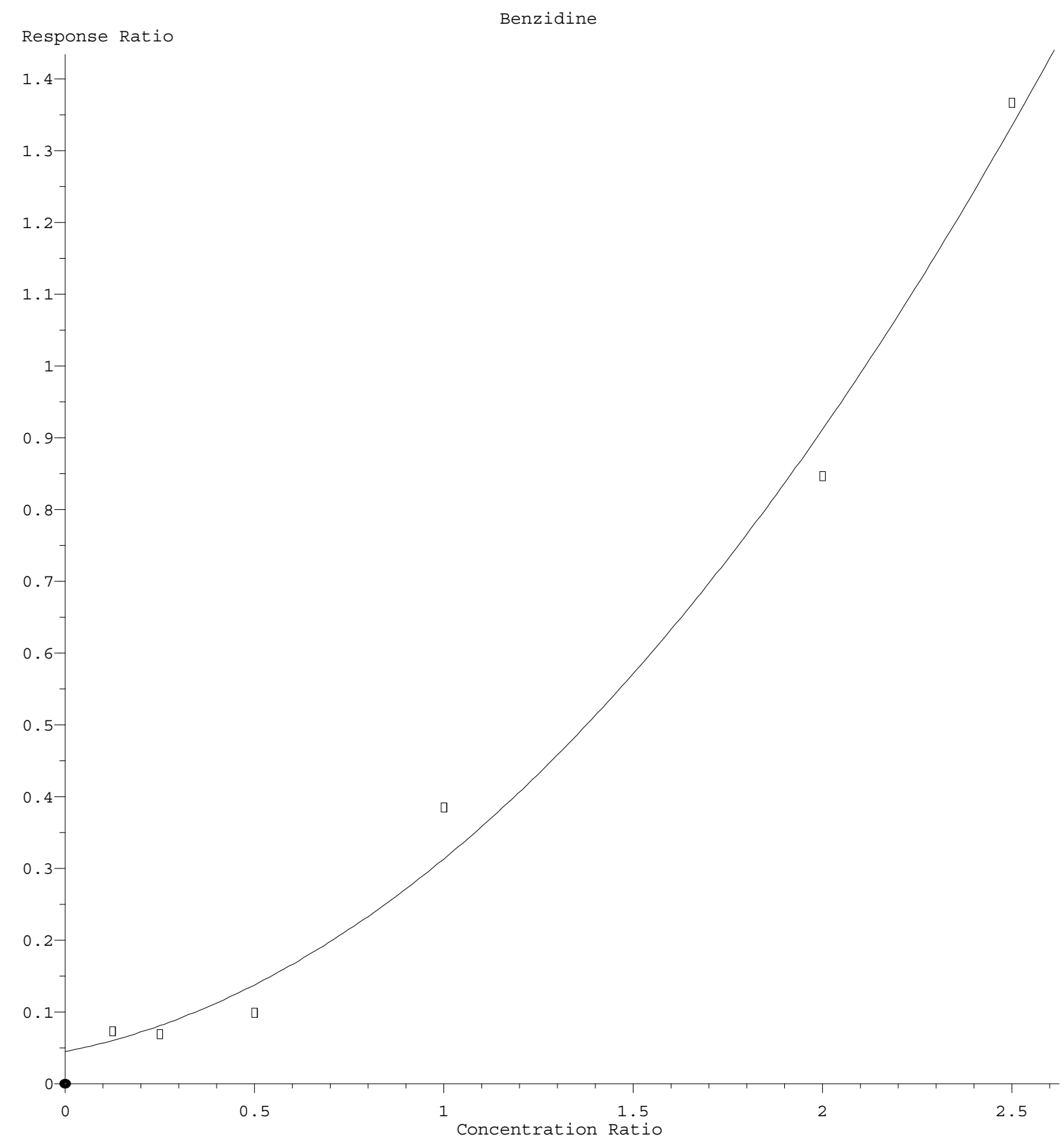
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.175	1.176	1.377	1.535	1.459	1.517	1.487	1.389	11.12
88)		Benzo(b)fluora...	1.470	1.367	1.491	1.375	1.245	1.385	1.239	1.367	7.18
89)		Benzo(k)fluora...	1.402	1.326	1.302	1.363	1.249	1.203	1.175	1.289	6.48
90)	C	Benzo(a)pyrene	1.153	1.109	1.154	1.178	1.081	1.143	1.087	1.129	3.29
91)		Dibenzo(a,h)an...	0.967	0.984	1.129	1.251	1.188	1.238	1.210	1.138	10.37
92)		Benzo(g,h,i)pe...	0.992	0.974	1.157	1.292	1.238	1.272	1.252	1.168	11.43

(#) = Out of Range



R = 1.649e-001 A*A + 1.037e-001 A + 4.474e-002
Coef of Det (r^2) = 0.991332 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120523.M
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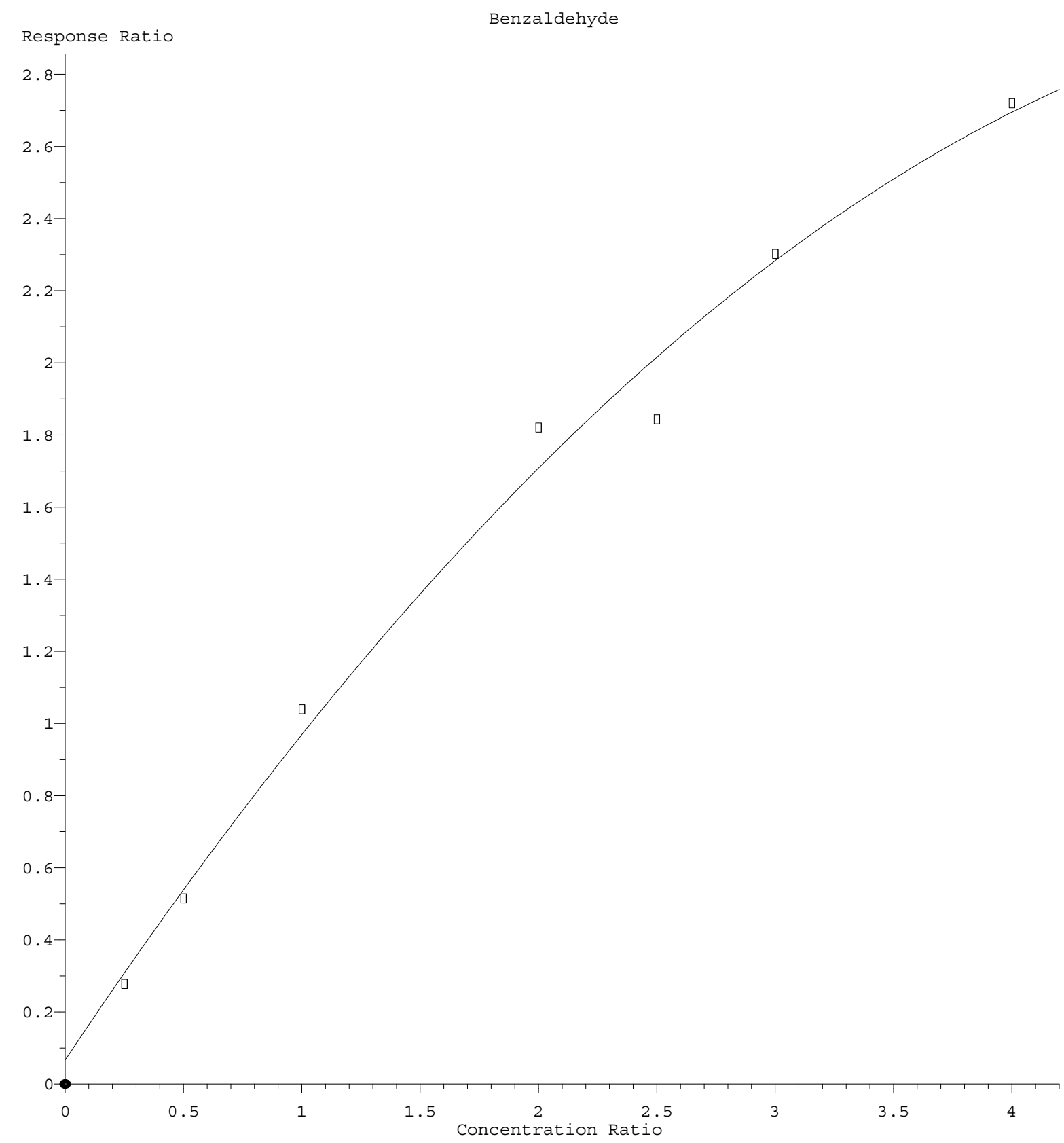

R = -8.177e-002 A*A + 9.841e-001 A + 6.680e-002
Coef of Det (r^2) = 0.990074 Curve Fit: Quadratic
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