Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 14 02:28:24 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM044595.D 5 =BM044596.D 10 =BM044597.D 20 =BM044598.D 40 =BM044599.D 50 =BM044600.D 60 =BM044601.D 80 =BM0446
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.574	0.602	0.622	0.579	0.569	0.588	0.564	0.585	3.52
3)		Pyridine		1.502	1.573	1.700	1.646	1.632	1.664	1.616	1.619	4.01
4)		n-Nitrosodimet...		0.619	0.612	0.680	0.663	0.653	0.677	0.638	0.649	4.12
5)	S	2-Fluorophenol		1.337	1.392	1.461	1.411	1.381	1.415	1.353	1.393	2.97
6)		Aniline		1.994	2.033	2.196	2.168	2.166	2.205	2.093	2.122	3.92
7)	S	Phenol-d6		1.685	1.757	1.893	1.832	1.802	1.838	1.738	1.792	3.92
8)		2-Chlorophenol		1.303	1.377	1.464	1.411	1.389	1.416	1.352	1.387	3.70
9)		Benzaldehyde		1.016	1.013	1.036	0.942	0.899	0.883	0.782	0.939	9.75
10)	C	Phenol		1.681	1.748	1.881	1.828	1.804	1.838	1.749	1.790	3.79
11)		bis(2-Chloroet...		1.444	1.415	1.511	1.479	1.456	1.490	1.434	1.461	2.31
12)		1,3-Dichlorobe...		1.486	1.516	1.560	1.491	1.463	1.495	1.432	1.492	2.69
13)	C	1,4-Dichlorobe...		1.499	1.518	1.563	1.512	1.474	1.518	1.441	1.504	2.56
14)		1,2-Dichlorobe...		1.421	1.468	1.519	1.439	1.397	1.435	1.358	1.434	3.57
15)		Benzyl Alcohol		1.033	1.069	1.226	1.231	1.224	1.261	1.203	1.178	7.56
16)		2,2'-oxybis(1-...		2.019	2.035	2.122	2.049	1.999	2.043	1.915	2.026	3.08
17)		2-Methylphenol		1.119	1.153	1.290	1.263	1.244	1.269	1.207	1.221	5.24
18)		Hexachloroethane		0.534	0.549	0.580	0.562	0.551	0.568	0.547	0.556	2.75
19)	P	n-Nitroso-di-n...	1.001	1.001	1.045	1.176	1.144	1.148	1.156	1.085	1.094	6.52
20)		3+4-Methylphenols		1.457	1.534	1.751	1.714	1.702	1.727	1.645	1.647	6.72
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.510	0.510	0.549	0.537	0.527	0.536	0.508	0.525	3.05
23)	S	Nitrobenzene-d5		0.387	0.399	0.436	0.427	0.421	0.429	0.406	0.415	4.29
24)		Nitrobenzene		0.387	0.398	0.431	0.421	0.413	0.422	0.401	0.410	3.85
25)		Isophorone		0.632	0.650	0.742	0.748	0.748	0.764	0.730	0.716	7.34
26)	C	2-Nitrophenol		0.143	0.157	0.182	0.188	0.187	0.194	0.189	0.177	10.77
27)		2,4-Dimethylph...		0.277	0.297	0.325	0.322	0.319	0.329	0.312	0.311	5.87
28)		bis(2-Chloroet...		0.451	0.456	0.496	0.490	0.479	0.492	0.466	0.476	3.85
29)	C	2,4-Dichloroph...		0.260	0.276	0.311	0.310	0.305	0.315	0.301	0.297	7.03
30)		1,2,4-Trichlor...		0.311	0.314	0.326	0.317	0.312	0.321	0.309	0.316	1.90
31)		Naphthalene		1.084	1.083	1.148	1.113	1.087	1.111	1.059	1.098	2.62
32)		Benzoic acid			0.160	0.222	0.242	0.251	0.258	0.254	0.231	16.04
33)		4-Chloroaniline		0.417	0.431	0.481	0.476	0.474	0.484	0.461	0.460	5.68
34)	C	Hexachlorobuta...		0.171	0.173	0.183	0.177	0.173	0.180	0.174	0.176	2.42
35)		Caprolactam		0.076	0.078	0.097	0.103	0.107	0.107	0.102	0.096	13.96
36)	C	4-Chloro-3-met...		0.284	0.295	0.340	0.340	0.343	0.346	0.332	0.326	7.79
37)		2-Methylnaphth...		0.715	0.722	0.779	0.760	0.752	0.764	0.724	0.745	3.29
38)		1-Methylnaphth...		0.678	0.667	0.722	0.708	0.699	0.714	0.673	0.694	3.12

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.549	0.567	0.582	0.570	0.560	0.582	0.563	0.568	2.13
41)	P	Hexachlorocycl...	0.279	0.305	0.319	0.334	0.332	0.350	0.345	0.323	7.63
42)	S	2,4,6-Tribromo...	0.190	0.201	0.232	0.228	0.228	0.237	0.229	0.221	8.09
43)	C	2,4,6-Trichlor...	0.317	0.354	0.394	0.403	0.399	0.414	0.401	0.383	9.07
44)		2,4,5-Trichlor...	0.398	0.428	0.467	0.469	0.467	0.483	0.467	0.454	6.63
45)	S	2-Fluorobiphenyl	1.451	1.476	1.531	1.463	1.424	1.455	1.366	1.452	3.47
46)		1,1'-Biphenyl	1.517	1.550	1.628	1.586	1.550	1.597	1.520	1.564	2.64
47)		2-Chloronaphth...	1.101	1.148	1.204	1.172	1.142	1.184	1.145	1.157	2.90
48)		2-Nitroaniline	0.311	0.341	0.400	0.421	0.422	0.437	0.417	0.392	12.14
49)		Acenaphthylene	1.752	1.817	1.962	1.938	1.908	1.944	1.868	1.884	4.07
50)		Dimethylphthalate	1.425	1.446	1.548	1.533	1.502	1.538	1.480	1.496	3.18
51)		2,6-Dinitrotol...	0.270	0.287	0.323	0.324	0.322	0.333	0.321	0.312	7.50
52)	C	Acenaphthene	1.090	1.103	1.179	1.162	1.149	1.173	1.117	1.139	3.11
53)		3-Nitroaniline	0.291	0.316	0.378	0.384	0.391	0.404	0.390	0.365	11.83
54)	P	2,4-Dinitrophenol		0.126	0.166	0.188	0.195	0.204	0.203	0.180	16.73
55)		Dibenzofuran	1.772	1.809	1.902	1.842	1.790	1.830	1.709	1.808	3.34
56)	P	4-Nitrophenol		0.237	0.302	0.309	0.317	0.323	0.308	0.300	10.49
57)		2,4-Dinitrotol...	0.321	0.354	0.423	0.436	0.437	0.448	0.431	0.407	12.02
58)		Fluorene	1.385	1.397	1.507	1.437	1.396	1.414	1.318	1.408	4.07
59)		2,3,4,6-Tetrac...	0.325	0.336	0.362	0.360	0.361	0.370	0.354	0.353	4.60
60)		Diethylphthalate	1.390	1.445	1.576	1.557	1.545	1.573	1.514	1.514	4.70
61)		4-Chlorophenyl...	0.669	0.675	0.713	0.685	0.670	0.680	0.638	0.676	3.31
62)		4-Nitroaniline	0.275	0.308	0.377	0.395	0.398	0.405	0.392	0.364	14.13
63)		Azobenzene	1.371	1.455	1.651	1.638	1.625	1.646	1.572	1.565	7.05
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.096	0.123	0.130	0.131	0.138	0.135	0.125	12.08
66)	c	n-Nitrosodiphe...	0.576	0.599	0.657	0.641	0.624	0.649	0.617	0.623	4.59
67)		4-Bromophenyl-...	0.193	0.199	0.213	0.211	0.207	0.215	0.210	0.207	3.84
68)		Hexachlorobenzene	0.209	0.213	0.227	0.222	0.219	0.228	0.221	0.220	3.15
69)		Atrazine	0.170	0.186	0.204	0.200	0.200	0.206	0.198	0.195	6.52
70)	C	Pentachlorophenol	0.122	0.135	0.163	0.168	0.169	0.178	0.172	0.158	13.44
71)		Phenanthrene	1.077	1.088	1.165	1.118	1.096	1.130	1.063	1.105	3.16
72)		Anthracene	1.025	1.077	1.174	1.141	1.110	1.151	1.081	1.109	4.64
73)		Carbazole	0.960	0.997	1.104	1.078	1.057	1.086	1.026	1.044	4.99
74)		Di-n-butylphth...	1.155	1.206	1.390	1.414	1.414	1.452	1.386	1.345	8.59
75)	C	Fluoranthene	1.189	1.192	1.297	1.260	1.244	1.270	1.197	1.236	3.50
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.428	0.488	0.576	0.572	0.570	0.468	0.517	12.37
78)		Pyrene	1.347	1.392	1.529	1.539	1.478	1.528	1.448	1.466	5.08
79)	S	Terphenyl-d14	1.104	1.133	1.227	1.202	1.140	1.158	1.038	1.143	5.48
80)		Butylbenzylpht...	0.496	0.549	0.669	0.722	0.716	0.752	0.720	0.661	14.92
81)		Benzo(a)anthra...	1.309	1.345	1.455	1.429	1.397	1.445	1.360	1.392	3.97
82)		3,3'-Dichlorob...	0.409	0.439	0.510	0.519	0.502	0.514	0.462	0.479	8.97
83)		Chrysene	1.299	1.300	1.380	1.377	1.320	1.362	1.270	1.330	3.26
84)		Bis(2-ethylhex...	0.778	0.859	1.052	1.107	1.072	1.089	1.010	0.995	12.75
85)	c	Di-n-octyl pht...	1.313	1.423	1.723	1.900	1.892	1.960	1.873	1.726	14.89

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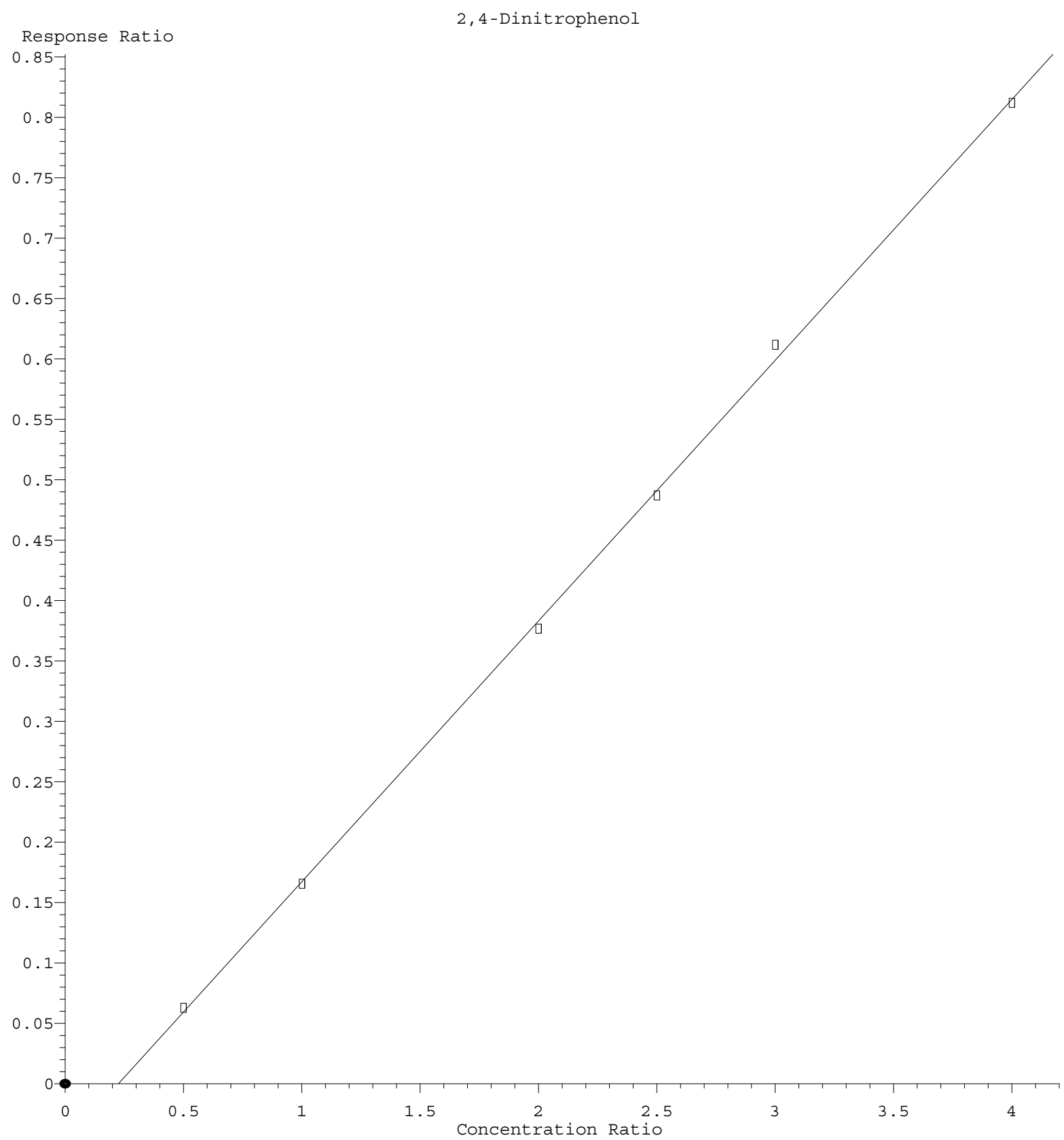
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.359	1.390	1.506	1.477	1.462	1.516	1.411	1.446	4.15
88)		Benzo(b)fluora...	1.092	1.117	1.207	1.207	1.175	1.234	1.196	1.175	4.44
89)		Benzo(k)fluora...	1.129	1.189	1.279	1.226	1.220	1.265	1.150	1.208	4.64
90)	C	Benzo(a)pyrene	1.036	1.083	1.194	1.179	1.168	1.217	1.148	1.146	5.64
91)		Dibenzo(a,h)an...	1.148	1.158	1.270	1.246	1.244	1.284	1.182	1.219	4.53
92)		Benzo(g,h,i)pe...	1.149	1.146	1.243	1.211	1.208	1.250	1.191	1.200	3.42

(#) = Out of Range



Response = 2.160e-001 * Amt - 4.870e-002
Coef of Det (r^2) = 0.999379 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM031324.M
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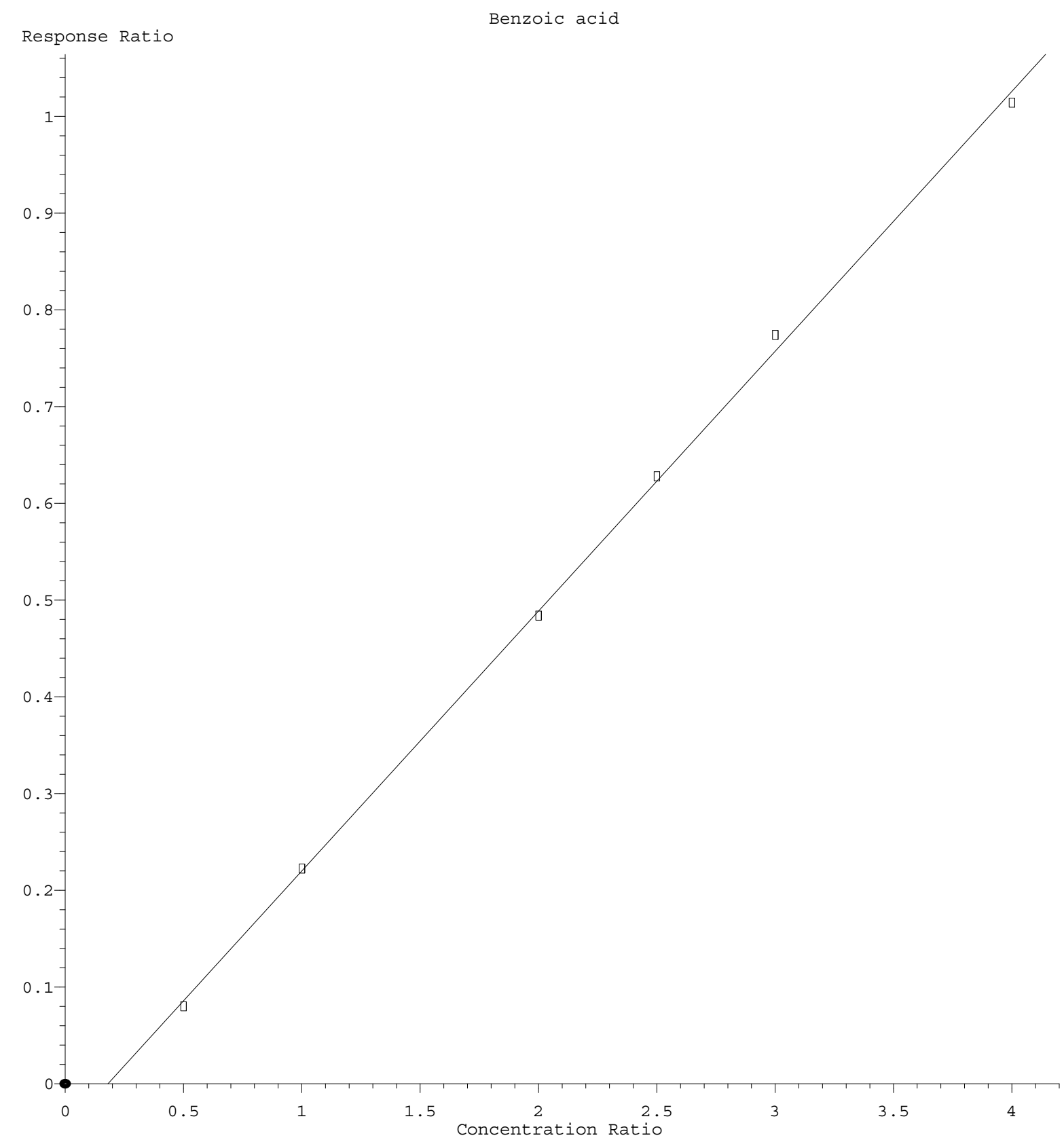

Response = 2.688e-001 * Amt - 4.864e-002
Coef of Det (r^2) = 0.999160 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM031324.M
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