Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP030623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Mar 07 06:48:25 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BP013951.D 5 =BP013952.D 10 =BP013953.D 20 =BP013954.D 40 =BP013955.D 50 =BP013956.D 60 =BP013957.D 80 =BP0139
58.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.526	0.547	0.547	0.575	0.521	0.520	0.515	0.536	4.02
3)		Pyridine		1.343	1.432	1.541	1.634	1.499	1.542	1.424	1.488	6.45
4)		n-Nitrosodimet...		0.600	0.628	0.671	0.732	0.670	0.687	0.636	0.660	6.58
5)	S	2-Fluorophenol		1.189	1.246	1.278	1.330	1.202	1.222	1.166	1.233	4.57
6)		Aniline		2.077	2.052	2.283	2.276	2.126	2.143	1.930	2.127	5.88
7)	S	Phenol-d6		1.556	1.595	1.721	1.732	1.610	1.646	1.474	1.619	5.62
8)		2-Chlorophenol		1.285	1.308	1.388	1.399	1.301	1.316	1.247	1.321	4.13
9)		Benzaldehyde		0.889	0.913	0.877	0.854	0.749	0.741	0.648	0.810	12.14
10)	C	Phenol		1.642	1.654	1.778	1.816	1.670	1.699	1.538	1.685	5.45
11)		bis(2-Chloroet...		1.345	1.328	1.436	1.398	1.319	1.316	1.198	1.334	5.61
12)		1,3-Dichlorobe...		1.436	1.466	1.534	1.519	1.413	1.414	1.377	1.451	4.00
13)	C	1,4-Dichlorobe...		1.440	1.460	1.549	1.548	1.452	1.442	1.388	1.468	4.04
14)		1,2-Dichlorobe...		1.436	1.418	1.491	1.462	1.353	1.378	1.308	1.406	4.56
15)		Benzyl Alcohol		1.220	1.197	1.425	1.427	1.362	1.382	1.228	1.320	7.70
16)		2,2'-oxybis(1-...		1.545	1.489	1.608	1.473	1.391	1.370	1.293	1.453	7.45
17)		2-Methylphenol		1.169	1.185	1.301	1.266	1.189	1.208	1.094	1.202	5.59
18)		Hexachloroethane		0.534	0.543	0.578	0.591	0.545	0.550	0.520	0.552	4.47
19)	P	n-Nitroso-di-n...	0.877	1.127	1.017	1.246	1.112	1.104	1.101	0.943	1.066	10.88
20)		3+4-Methylphenols		1.533	1.559	1.801	1.678	1.655	1.641	1.463	1.619	6.86
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.518	0.533	0.602	0.600	0.564	0.553	0.558	0.561	5.59
23)	S	Nitrobenzene-d5		0.381	0.406	0.460	0.487	0.445	0.440	0.444	0.438	7.96
24)		Nitrobenzene		0.399	0.420	0.474	0.480	0.454	0.455	0.450	0.448	6.43
25)		Isophorone		0.729	0.725	0.887	0.865	0.811	0.843	0.783	0.806	7.93
26)	C	2-Nitrophenol		0.158	0.170	0.207	0.214	0.200	0.210	0.205	0.195	11.25
27)		2,4-Dimethylph...		0.285	0.286	0.342	0.341	0.321	0.326	0.316	0.317	7.40
28)		bis(2-Chloroet...		0.458	0.446	0.517	0.486	0.440	0.469	0.451	0.467	5.79
29)	C	2,4-Dichloroph...		0.307	0.317	0.369	0.366	0.344	0.369	0.354	0.347	7.37
30)		1,2,4-Trichlor...		0.361	0.373	0.410	0.416	0.394	0.404	0.397	0.394	5.07
31)		Naphthalene		1.045	1.060	1.172	1.153	1.077	1.103	1.083	1.099	4.29
32)		Benzoic acid			0.156	0.250	0.263	0.260	0.281	0.260	0.245	18.21
33)		4-Chloroaniline		0.427	0.431	0.521	0.503	0.462	0.491	0.462	0.471	7.55
34)	C	Hexachlorobuta...		0.258	0.273	0.294	0.308	0.284	0.293	0.294	0.286	5.72
35)		Caprolactam		0.090	0.080	0.113	0.102	0.100	0.111	0.098	0.099	11.67
36)	C	4-Chloro-3-met...		0.341	0.347	0.426	0.406	0.393	0.411	0.381	0.387	8.34
37)		2-Methylnaphth...		0.783	0.773	0.876	0.837	0.804	0.824	0.777	0.811	4.63
38)		1-Methylnaphth...		0.742	0.710	0.821	0.776	0.744	0.774	0.724	0.756	4.96

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.684	0.747	0.770	0.818	0.748	0.791	0.779	0.762	5.60
41)	P	Hexachlorocycl...		0.376	0.446	0.530	0.488	0.506	0.524	0.478	12.27
42)	S	2,4,6-Tribromo...	0.268	0.272	0.348	0.345	0.340	0.357	0.339	0.324	11.55
43)	C	2,4,6-Trichlor...	0.406	0.443	0.506	0.519	0.490	0.509	0.500	0.482	8.63
44)		2,4,5-Trichlor...	0.469	0.508	0.598	0.596	0.569	0.590	0.580	0.558	9.00
45)	S	2-Fluorobiphenyl	1.481	1.514	1.638	1.615	1.500	1.513	1.545	1.544	3.90
46)		1,1'-Biphenyl	1.506	1.565	1.706	1.740	1.565	1.586	1.601	1.610	5.17
47)		2-Chloronaphth...	1.153	1.234	1.309	1.325	1.207	1.205	1.243	1.239	4.87
48)		2-Nitroaniline	0.289	0.318	0.402	0.419	0.401	0.403	0.402	0.376	13.54
49)		Acenaphthylene	1.805	1.902	2.088	2.096	1.990	1.969	1.945	1.971	5.18
50)		Dimethylphthalate	1.557	1.580	1.780	1.674	1.647	1.677	1.635	1.650	4.42
51)		2,6-Dinitrotol...	0.293	0.313	0.376	0.366	0.361	0.367	0.356	0.347	9.06
52)	C	Acenaphthene	1.114	1.143	1.247	1.262	1.176	1.204	1.159	1.186	4.59
53)		3-Nitroaniline	0.274	0.295	0.366	0.366	0.358	0.370	0.355	0.341	11.46
54)	P	2,4-Dinitrophenol		0.161	0.235	0.245	0.251	0.264	0.253	0.235	15.89
55)		Dibenzofuran	1.773	1.794	2.088	2.070	1.934	1.965	1.914	1.934	6.30
56)	P	4-Nitrophenol		0.220	0.292	0.287	0.287	0.295	0.282	0.277	10.24
57)		2,4-Dinitrotol...	0.365	0.382	0.509	0.500	0.496	0.506	0.493	0.464	13.44
58)		Fluorene	1.482	1.398	1.656	1.611	1.523	1.573	1.508	1.536	5.60
59)		2,3,4,6-Tetrac...	0.424	0.434	0.520	0.514	0.496	0.523	0.499	0.487	8.41
60)		Diethylphthalate	1.484	1.478	1.804	1.668	1.619	1.711	1.640	1.629	7.23
61)		4-Chlorophenyl...	0.820	0.809	0.926	0.918	0.867	0.899	0.855	0.871	5.29
62)		4-Nitroaniline	0.264	0.270	0.376	0.360	0.360	0.373	0.370	0.339	14.65
63)		Azobenzene	1.352	1.346	1.659	1.609	1.518	1.580	1.488	1.507	8.09
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.114	0.152	0.159	0.152	0.157	0.155	0.148	11.36
66)	c	n-Nitrosodiphe...	0.580	0.612	0.674	0.687	0.627	0.634	0.611	0.632	5.88
67)		4-Bromophenyl-...	0.236	0.251	0.279	0.284	0.268	0.271	0.263	0.265	6.27
68)		Hexachlorobenzene	0.258	0.264	0.294	0.309	0.287	0.292	0.282	0.284	6.19
69)		Atrazine	0.202	0.212	0.238	0.222	0.226	0.230	0.223	0.222	5.38
70)	C	Pentachlorophenol	0.158	0.174	0.211	0.225	0.219	0.227	0.218	0.205	13.28
71)		Phenanthrene	1.058	1.074	1.181	1.185	1.104	1.119	1.100	1.117	4.38
72)		Anthracene	1.076	1.104	1.201	1.218	1.129	1.142	1.121	1.142	4.48
73)		Carbazole	0.916	0.968	1.040	1.032	0.971	0.992	0.974	0.985	4.29
74)		Di-n-butylphth...	1.086	1.171	1.316	1.271	1.234	1.267	1.274	1.231	6.33
75)	C	Fluoranthene	1.232	1.275	1.401	1.377	1.321	1.355	1.387	1.335	4.69
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.366	0.265	0.369	0.463	0.407	0.386	0.393	0.378	15.75
78)		Pyrene	1.592	1.396	1.649	1.537	1.559	1.632	1.380	1.535	7.01
79)	S	Terphenyl-d14	1.205	1.166	1.317	1.210	1.214	1.285	1.093	1.213	6.10
80)		Butylbenzylpht...	0.506	0.531	0.621	0.615	0.595	0.632	0.573	0.582	8.20
81)		Benzo(a)anthra...	1.363	1.389	1.547	1.567	1.463	1.500	1.443	1.467	5.21
82)		3,3'-Dichlorob...	0.412	0.453	0.500	0.527	0.467	0.462	0.465	0.470	7.75
83)		Chrysene	1.297	1.329	1.461	1.490	1.378	1.415	1.356	1.390	5.03
84)		Bis(2-ethylhex...	0.731	0.818	0.882	0.929	0.854	0.900	0.863	0.854	7.55
85)	c	Di-n-octyl pht...	1.150	1.387	1.303	1.610	1.371	1.385	1.495	1.386	10.42

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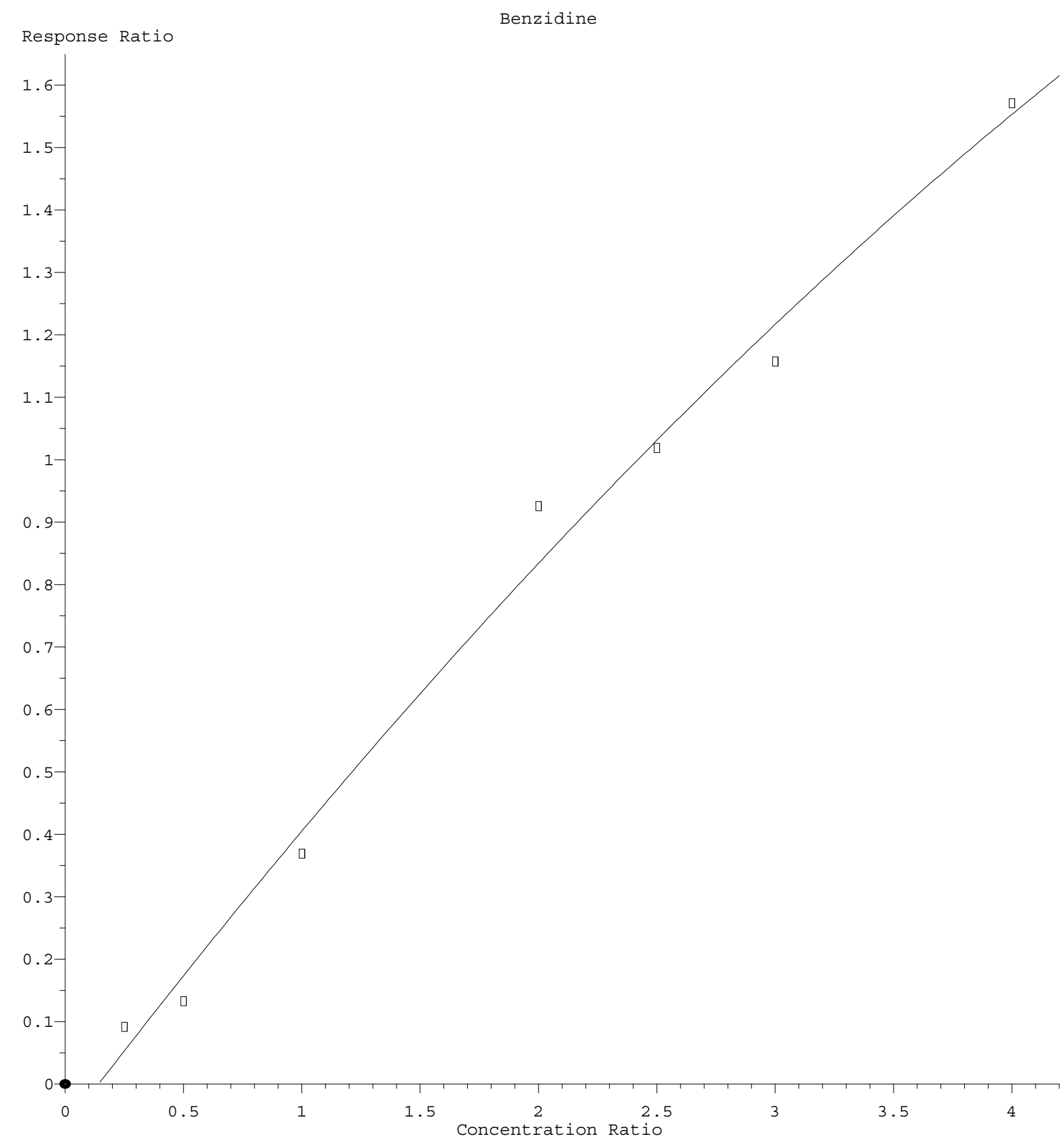
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.323	1.493	1.452	1.769	1.583	1.567	1.630	1.545	9.16
88)		Benzo(b)fluora...	1.197	1.210	1.391	1.367	1.329	1.380	1.293	1.310	6.11
89)		Benzo(k)fluora...	1.200	1.217	1.454	1.343	1.293	1.343	1.239	1.298	6.90
90)	C	Benzo(a)pyrene	1.128	1.164	1.320	1.330	1.259	1.292	1.251	1.249	6.16
91)		Dibenzo(a,h)an...	1.115	1.241	1.214	1.462	1.316	1.299	1.346	1.285	8.52
92)		Benzo(g,h,i)pe...	1.102	1.228	1.173	1.469	1.305	1.292	1.344	1.273	9.41

(#) = Out of Range



R = -2.312e-002 A*A + 4.982e-001 A - 7.016e-002
Coef of Det (r^2) = 0.991146 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP030623.M
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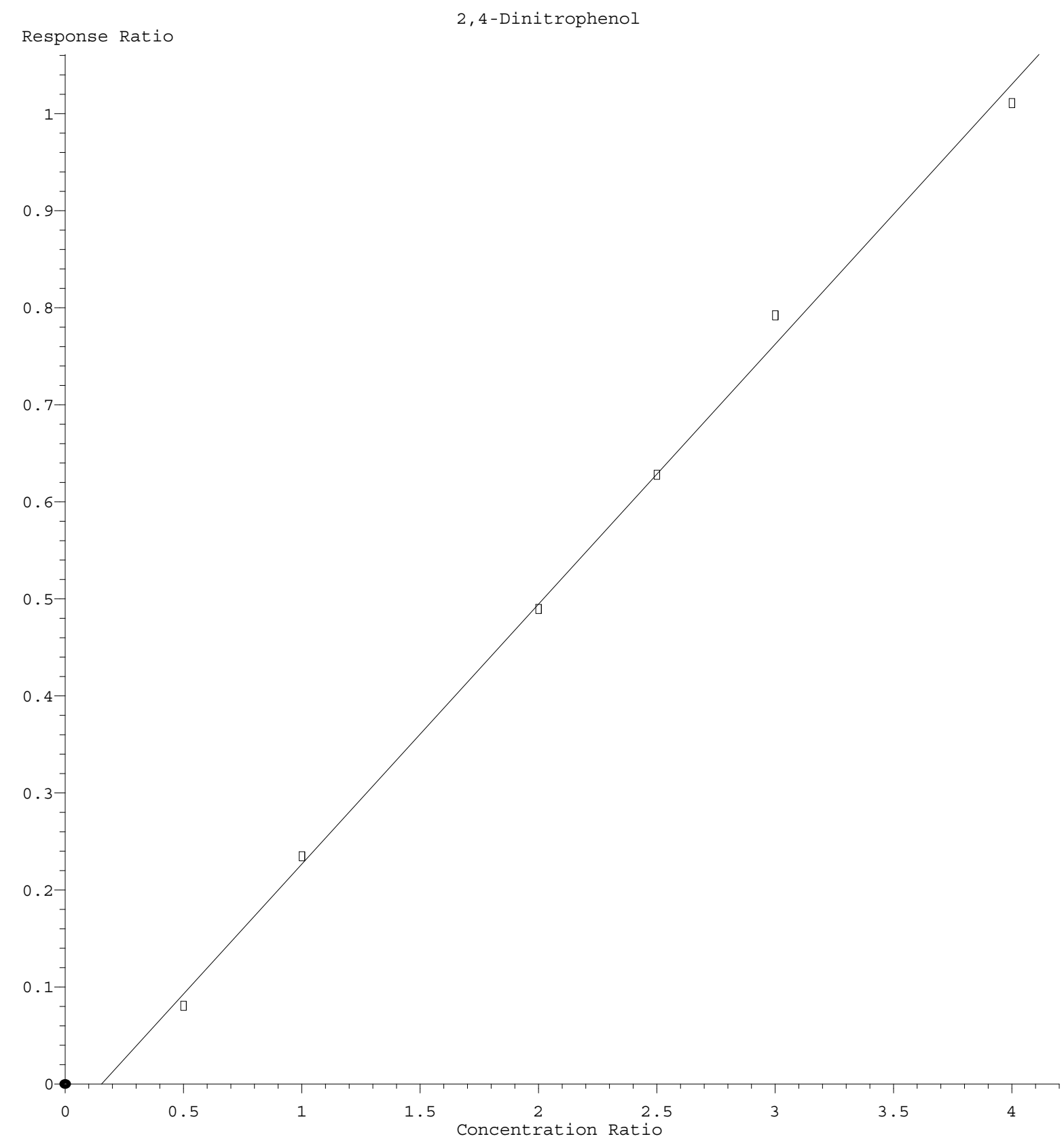

Response = 2.679e-001 * Amt - 4.124e-002
Coef of Det (r^2) = 0.997499 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP030623.M
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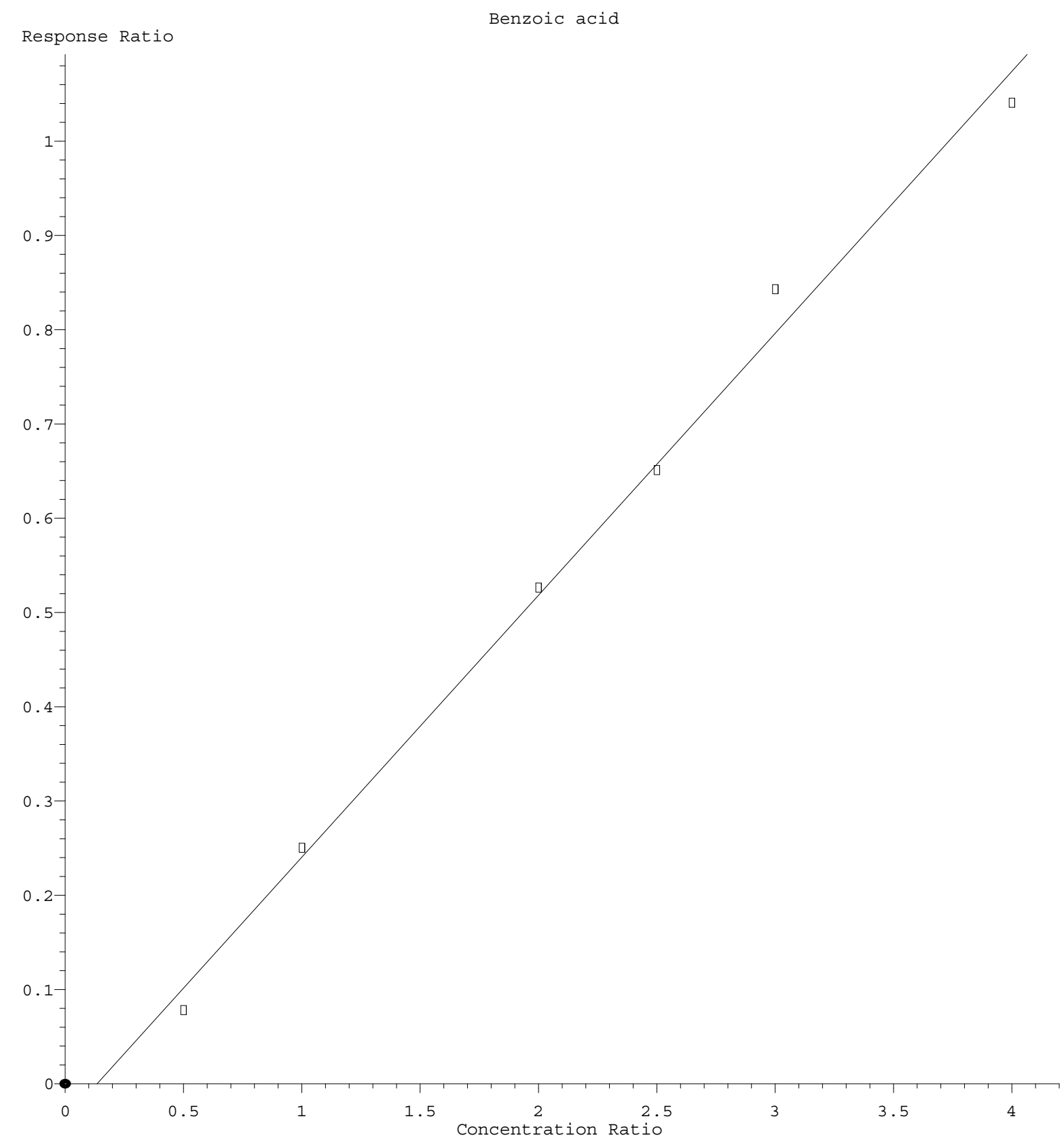

Response = 2.781e-001 * Amt - 3.756e-002
Coef of Det (r^2) = 0.993754 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP030623.M
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