Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP090624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Sep 06 23:52:54 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021848.D 5 =BP021849.D 10 =BP021850.D 20 =BP021851.D 40 =BP021852.D 50 =BP021853.D 60 =BP021854.D 80 =BP0218
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.666	0.627	0.634	0.599	0.719	0.605	0.585	0.633	7.29
3)		Pyridine		1.684	1.676	1.722	1.596	2.005	1.670	1.627	1.712	7.92
4)		n-Nitrosodimet...		0.592	0.570	0.579	0.540	0.667	0.555	0.545	0.578	7.47
5)	S	2-Fluorophenol		1.458	1.416	1.439	1.375	1.662	1.403	1.195	1.421	9.68
6)		Aniline		1.791	1.807	1.855	1.694	1.809	1.687	1.274	1.702	11.69
7)	S	Phenol-d6		1.918	1.927	2.000	1.896	2.039	1.958	1.506	1.892	9.37
8)		2-Chlorophenol		1.390	1.334	1.373	1.280	1.386	1.316	1.197	1.325	5.22
9)		Benzaldehyde		1.275	1.236	1.227	1.174	1.107	1.003	0.663	1.098	19.37
10)	C	Phenol		1.956	1.960	2.001	1.893	2.018	1.979	1.509	1.902	9.36
11)		bis(2-Chloroet...		1.592	1.567	1.577	1.514	1.661	1.521	1.157	1.513	10.86
12)		1,3-Dichlorobe...		1.584	1.498	1.525	1.439	1.415	1.456	1.391	1.473	4.58
13)	C	1,4-Dichlorobe...		1.569	1.533	1.556	1.450	1.421	1.473	1.402	1.486	4.49
14)		1,2-Dichlorobe...		1.532	1.465	1.493	1.374	1.342	1.382	1.338	1.418	5.49
15)		Benzyl Alcohol		1.244	1.291	1.340	1.312	1.243	1.352	1.301	1.298	3.30
16)		2,2'-oxybis(1-...		1.469	1.458	1.468	1.410	1.266	1.378	1.307	1.394	5.83
17)		2-Methylphenol		1.232	1.240	1.309	1.245	1.196	1.286	1.229	1.248	3.03
18)		Hexachloroethane		0.646	0.611	0.631	0.605	0.589	0.614	0.582	0.611	3.64
19)	P	n-Nitroso-di-n...	1.038	1.086	1.113	1.156	1.092	0.982	1.096	1.045	1.076	4.94
20)		3+4-Methylphenols		1.642	1.723	1.830	1.749	1.681	1.803	1.742	1.739	3.76
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.620	0.603	0.614	0.580	0.563	0.587	0.571	0.591	3.70
23)	S	Nitrobenzene-d5		0.429	0.424	0.449	0.430	0.411	0.439	0.425	0.430	2.78
24)		Nitrobenzene		0.442	0.436	0.461	0.433	0.406	0.436	0.428	0.435	3.77
25)		Isophorone		0.736	0.746	0.798	0.780	0.725	0.679	0.766	0.747	5.26
26)	C	2-Nitrophenol		0.143	0.144	0.160	0.164	0.164	0.153	0.171	0.157	6.82
27)		2,4-Dimethylph...		0.209	0.209	0.227	0.222	0.218	0.197	0.221	0.215	4.86
28)		bis(2-Chloroet...		0.503	0.494	0.518	0.505	0.466	0.478	0.484	0.493	3.61
29)	C	2,4-Dichloroph...		0.274	0.276	0.296	0.292	0.295	0.298	0.291	0.289	3.34
30)		1,2,4-Trichlor...		0.351	0.329	0.335	0.323	0.318	0.327	0.321	0.329	3.32
31)		Naphthalene		1.105	1.057	1.079	1.024	1.007	1.032	1.003	1.044	3.64
32)		Benzoic acid			0.068	0.112	0.196	0.218	0.212	0.279	0.181	42.60
33)		4-Chloroaniline		0.376	0.386	0.410	0.389	0.387	0.391	0.379	0.388	2.84
34)	C	Hexachlorobuta...		0.210	0.203	0.208	0.202	0.206	0.205	0.196	0.204	2.27
35)		Caprolactam		0.111	0.116	0.131	0.124	0.125	0.129	0.127	0.123	5.96
36)	C	4-Chloro-3-met...		0.372	0.384	0.416	0.408	0.420	0.415	0.405	0.403	4.48
37)		2-Methylnaphth...		0.694	0.683	0.720	0.625	0.703	0.691	0.671	0.684	4.39
38)		1-Methylnaphth...		0.696	0.693	0.724	0.678	0.833	0.689	0.665	0.711	7.95

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.533	0.546	0.542	0.534	0.561	0.539	0.547	2.82
41)	P	Hexachlorocycl...	0.126	0.128	0.144	0.162	0.157	0.167	0.164	0.150	11.33
42)	S	2,4,6-Tribromo...	0.242	0.231	0.242	0.239	0.232	0.245	0.229	0.237	2.69
43)	C	2,4,6-Trichlor...	0.363	0.347	0.363	0.365	0.367	0.380	0.371	0.365	2.70
44)		2,4,5-Trichlor...	0.415	0.405	0.411	0.410	0.410	0.429	0.415	0.413	1.83
45)	S	2-Fluorobiphenyl	1.338	1.282	1.279	1.212	1.209	1.248	1.168	1.248	4.55
46)		1,1'-Biphenyl	1.476	1.400	1.417	1.364	1.352	1.391	1.332	1.390	3.43
47)		2-Chloronaphth...	1.158	1.087	1.103	1.057	1.056	1.096	1.054	1.087	3.43
48)		2-Nitroaniline	0.307	0.331	0.372	0.369	0.373	0.389	0.377	0.360	8.17
49)		Acenaphthylene	1.572	1.571	1.644	1.581	1.588	1.632	1.611	1.600	1.85
50)		Dimethylphthalate	1.440	1.373	1.417	1.349	1.326	1.378	1.321	1.372	3.25
51)		2,6-Dinitrotol...	0.277	0.286	0.308	0.308	0.307	0.324	0.312	0.303	5.31
52)	C	Acenaphthene	1.085	1.020	1.047	1.014	1.006	1.031	0.999	1.029	2.85
53)		3-Nitroaniline	0.275	0.287	0.324	0.318	0.325	0.340	0.329	0.314	7.54
54)	P	2,4-Dinitrophenol		0.041	0.082	0.127	0.139	0.152	0.167	0.118	40.40
55)		Dibenzofuran	1.723	1.682	1.687	1.616	1.582	1.641	1.553	1.641	3.71
56)	P	4-Nitrophenol	0.233	0.244	0.277	0.280	0.286	0.300	0.289	0.273	9.03
57)		2,4-Dinitrotol...	0.346	0.380	0.422	0.432	0.432	0.453	0.440	0.415	9.11
58)		Fluorene	1.405	1.364	1.392	1.296	1.286	1.317	1.146	1.315	6.68
59)		2,3,4,6-Tetrac...	0.375	0.360	0.367	0.354	0.351	0.359	0.350	0.359	2.50
60)		Diethylphthalate	1.430	1.401	1.435	1.401	1.369	1.426	1.261	1.389	4.38
61)		4-Chlorophenyl...	0.690	0.659	0.668	0.642	0.624	0.655	0.557	0.642	6.66
62)		4-Nitroaniline	0.295	0.311	0.344	0.345	0.340	0.363	0.310	0.330	7.41
63)		Azobenzene	1.446	1.543	1.588	1.532	1.517	1.543	1.432	1.514	3.69
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.053	0.081	0.097	0.099	0.106	0.101	0.089	21.92
66)	c	n-Nitrosodiphe...	0.533	0.528	0.541	0.514	0.508	0.519	0.502	0.521	2.69
67)		4-Bromophenyl-...	0.188	0.182	0.189	0.189	0.185	0.191	0.188	0.187	1.51
68)		Hexachlorobenzene	0.234	0.223	0.226	0.221	0.219	0.227	0.219	0.224	2.32
69)		Atrazine	0.180	0.170	0.151	0.155	0.099	0.090	0.071	0.131	32.96
70)	C	Pentachlorophenol	0.135	0.138	0.153	0.157	0.154	0.163	0.163	0.152	7.45
71)		Phenanthrene	1.028	0.985	0.991	0.956	0.920	0.971	0.936	0.970	3.74
72)		Anthracene	0.943	0.946	0.967	0.928	0.902	0.928	0.917	0.933	2.26
73)		Carbazole	0.967	0.983	0.981	0.924	0.924	0.939	0.932	0.950	2.76
74)		Di-n-butylphth...	1.070	1.062	1.113	1.139	1.101	1.032	1.099	1.088	3.28
75)	C	Fluoranthene	1.265	1.216	1.251	1.189	1.164	1.200	1.173	1.208	3.16
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.337	0.309	0.341	0.433	0.383	0.304	0.473	0.369	17.45
78)		Pyrene	1.356	1.304	1.359	1.302	1.255	1.333	1.327	1.319	2.75
79)	S	Terphenyl-d14	0.997	1.001	0.999	0.986	0.939	0.972	0.925	0.974	3.15
80)		Butylbenzylpht...	0.480	0.491	0.536	0.557	0.533	0.557	0.564	0.531	6.29
81)		Benzo(a)anthra...	1.291	1.271	1.311	1.244	1.215	1.263	1.253	1.264	2.48
82)		3,3'-Dichlorob...	0.398	0.403	0.440	0.443	0.425	0.436	0.446	0.427	4.57
83)		Chrysene	1.252	1.225	1.249	1.169	1.159	1.177	1.179	1.201	3.27
84)		Bis(2-ethylhex...	0.693	0.715	0.755	0.796	0.762	0.805	0.775	0.757	5.37
85)	c	Di-n-octyl pht...	1.076	1.120	1.235	1.329	1.306	1.345	1.367	1.254	9.18

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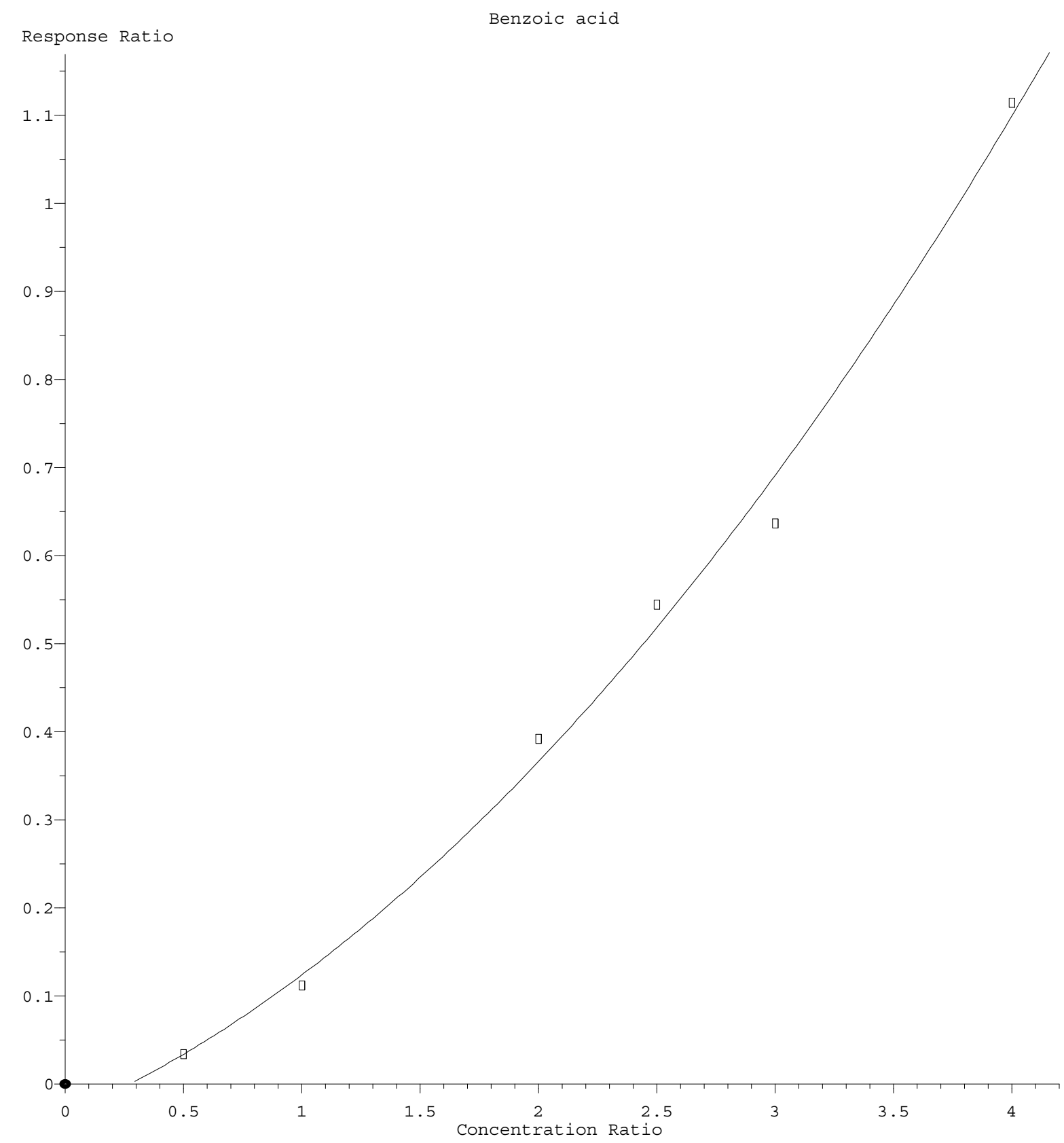
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.244	1.209	1.275	1.228	1.214	1.273	1.537	1.283	8.97
88)		Benzo(b)fluora...	1.147	1.118	1.165	1.136	1.133	1.185	1.135	1.145	1.97
89)		Benzo(k)fluora...	1.116	1.115	1.176	1.095	1.056	1.097	1.047	1.100	3.89
90)	C	Benzo(a)pyrene	0.969	0.962	1.020	0.911	0.984	1.023	0.993	0.980	3.92
91)		Dibenzo(a,h)an...	1.039	1.004	1.053	1.001	0.998	1.044	1.252	1.056	8.45
92)		Benzo(g,h,i)pe...	1.060	1.021	1.077	1.059	1.050	1.106	1.326	1.100	9.37

(#) = Out of Range



R = 4.139e-002 A*A + 1.181e-001 A - 3.559e-002
Coef of Det (r^2) = 0.993933 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090624.M
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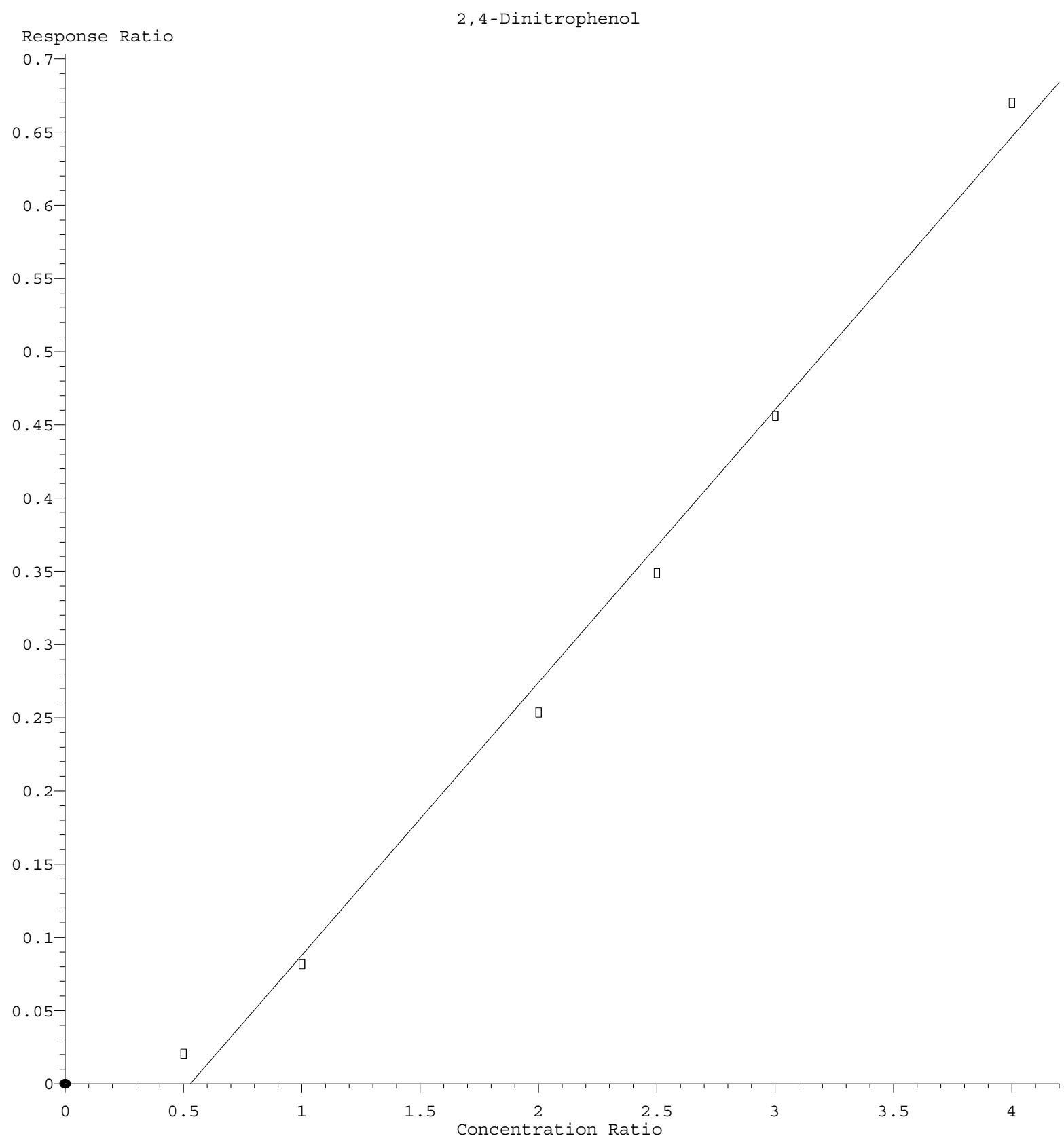

Response = 1.863e-001 * Amt - 9.858e-002
Coef of Det (r^2) = 0.993037 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090624.M
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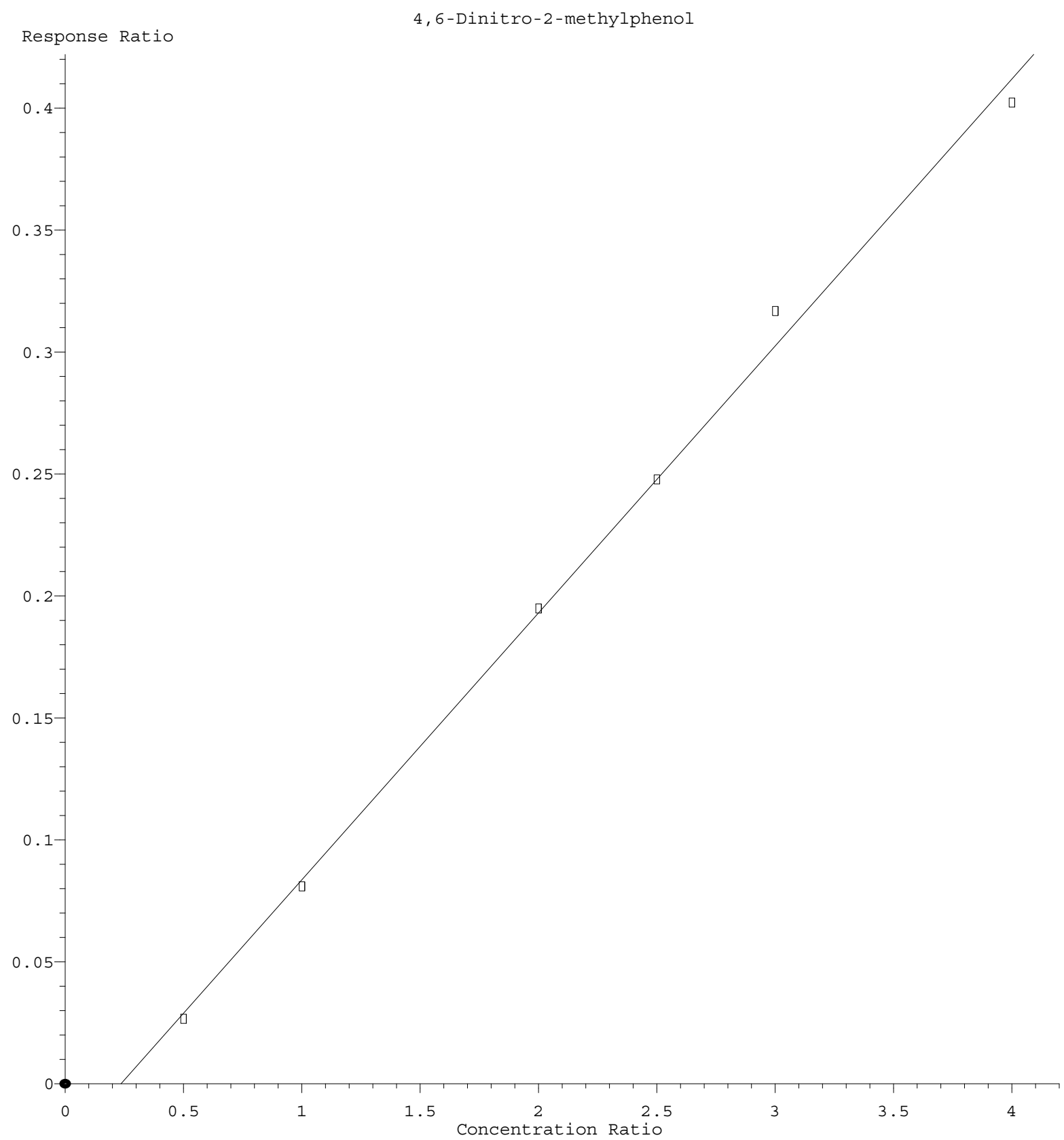

Response = 1.095e-001 * Amt - 2.580e-002
Coef of Det (r^2) = 0.996874 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP090624.M
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