Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF120822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 09 06:08:27 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131551.D 5 =BF131552.D 10 =BF131553.D 20 =BF131554.D 40 =BF131555.D 50 =BF131556.D 60 =BF131557.D 80 =BF1315
58.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.583	0.555	0.558	0.532	0.511	0.519	0.530	0.541	4.65
3)		Pyridine		1.487	1.542	1.585	1.510	1.472	1.476	1.445	1.502	3.17
4)		n-Nitrosodimet...		0.819	0.834	0.865	0.819	0.812	0.825	0.826	0.829	2.14
5)	S	2-Fluorophenol		1.188	1.208	1.256	1.205	1.168	1.174	1.194	1.199	2.43
6)		Aniline		1.944	1.932	1.935	1.880	1.818	1.839	1.804	1.879	3.17
7)	S	Phenol-d6		1.640	1.578	1.632	1.545	1.522	1.549	1.532	1.571	3.03
8)		2-Chlorophenol		1.331	1.291	1.304	1.245	1.239	1.236	1.247	1.270	2.98
9)		Benzaldehyde		1.279	1.204	1.158	0.989	0.931	0.896		1.076	14.69
10)	C	Phenol		1.754	1.736	1.804	1.755	1.727	1.725	1.767	1.752	1.57
11)		bis(2-Chloroet...		1.348	1.330	1.368	1.300	1.274	1.289	1.288	1.314	2.68
12)		1,3-Dichlorobe...		1.521	1.524	1.513	1.447	1.419	1.440	1.447	1.473	3.02
13)	C	1,4-Dichlorobe...		1.529	1.520	1.521	1.451	1.448	1.456	1.475	1.486	2.45
14)		1,2-Dichlorobe...		1.463	1.443	1.461	1.388	1.391	1.387	1.403	1.419	2.46
15)		Benzyl Alcohol		1.367	1.407	1.515	1.461	1.440	1.451	1.440	1.440	3.18
16)		2,2'-oxybis(1-...		1.859	1.767	1.788	1.675	1.580	1.624	1.585	1.697	6.43
17)		2-Methylphenol		1.150	1.147	1.175	1.150	1.132	1.136	1.124	1.145	1.43
18)		Hexachloroethane		0.613	0.581	0.626	0.601	0.585	0.590	0.599	0.599	2.66
19)	P	n-Nitroso-di-n...	1.199	1.185	1.199	1.212	1.184	1.139	1.164	1.142	1.178	2.32
20)		3+4-Methylphenols		1.526	1.570	1.614	1.577	1.539	1.549	1.542	1.560	1.90
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.606	0.608	0.642	0.634	0.608	0.645	0.644	0.627	2.95
23)	S	Nitrobenzene-d5		0.508	0.520	0.543	0.535	0.514	0.542	0.543	0.529	2.82
24)		Nitrobenzene		0.523	0.522	0.550	0.539	0.518	0.543	0.540	0.534	2.30
25)		Isophorone		0.827	0.837	0.883	0.863	0.827	0.866	0.861	0.852	2.56
26)	C	2-Nitrophenol		0.155	0.162	0.179	0.188	0.190	0.200	0.199	0.182	9.63
27)		2,4-Dimethylph...		0.267	0.265	0.283	0.284	0.273	0.287	0.292	0.279	3.77
28)		bis(2-Chloroet...		0.427	0.425	0.449	0.444	0.434	0.451	0.454	0.441	2.71
29)	C	2,4-Dichloroph...		0.319	0.332	0.351	0.351	0.345	0.359	0.356	0.345	4.17
30)		1,2,4-Trichlor...		0.406	0.422	0.430	0.424	0.409	0.435	0.434	0.423	2.71
31)		Naphthalene		1.089	1.107	1.142	1.141	1.092	1.158	1.156	1.126	2.66
32)		Benzoic acid			0.161	0.185	0.210	0.206	0.215	0.234	0.202	12.53
33)		4-Chloroaniline		0.402	0.418	0.443	0.424	0.408	0.432	0.428	0.422	3.37
34)	C	Hexachlorobuta...		0.278	0.287	0.303	0.303	0.292	0.311	0.312	0.298	4.36
35)		Caprolactam		0.086	0.087	0.090	0.089	0.087	0.093	0.092	0.089	2.94
36)	C	4-Chloro-3-met...		0.359	0.379	0.394	0.395	0.384	0.402	0.396	0.387	3.80
37)		2-Methylnaphth...		0.745	0.750	0.786	0.780	0.743	0.790	0.798	0.770	3.02
38)		1-Methylnaphth...		0.704	0.729	0.757	0.746	0.724	0.757	0.760	0.740	2.89

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.688	0.702	0.757	0.762	0.734	0.764	0.776	0.740	4.55
41)	P	Hexachlorocycl...		0.282	0.357	0.390	0.382	0.417	0.426	0.376	13.87
42)	S	2,4,6-Tribromo...	0.195	0.216	0.226	0.227	0.222	0.229	0.241	0.222	6.39
43)	C	2,4,6-Trichlor...	0.428	0.433	0.468	0.474	0.450	0.472	0.480	0.458	4.60
44)		2,4,5-Trichlor...	0.464	0.474	0.492	0.513	0.483	0.512	0.509	0.492	4.00
45)	S	2-Fluorobiphenyl	1.510	1.511	1.598	1.619	1.560	1.637	1.669	1.586	3.87
46)		1,1'-Biphenyl	1.507	1.527	1.604	1.626	1.528	1.619	1.659	1.581	3.77
47)		2-Chloronaphth...	1.198	1.272	1.337	1.320	1.261	1.311	1.321	1.288	3.78
48)		2-Nitroaniline	0.419	0.432	0.472	0.473	0.457	0.469	0.473	0.456	4.86
49)		Acenaphthylene	1.779	1.848	1.944	1.955	1.851	1.937	1.928	1.892	3.51
50)		Dimethylphthalate	1.452	1.510	1.567	1.577	1.474	1.541	1.552	1.525	3.12
51)		2,6-Dinitrotol...	0.283	0.307	0.320	0.328	0.308	0.325	0.333	0.315	5.44
52)	C	Acenaphthene	1.154	1.192	1.278	1.308	1.252	1.334	1.352	1.267	5.77
53)		3-Nitroaniline	0.295	0.298	0.306	0.308	0.289	0.305	0.313	0.302	2.76
54)	P	2,4-Dinitrophenol		0.118	0.154	0.168	0.167	0.183		0.158	15.47
55)		Dibenzofuran	1.742	1.727	1.836	1.832	1.727	1.828	1.843	1.791	3.09
56)	P	4-Nitrophenol	0.181	0.194	0.211	0.218	0.214	0.221	0.228	0.210	7.89
57)		2,4-Dinitrotol...	0.385	0.410	0.424	0.435	0.406	0.433	0.429	0.418	4.32
58)		Fluorene	1.370	1.419	1.470	1.489	1.436	1.499	1.507	1.456	3.43
59)		2,3,4,6-Tetrac...	0.398	0.403	0.415	0.431	0.412	0.432	0.427	0.417	3.25
60)		Diethylphthalate	1.411	1.461	1.520	1.489	1.411	1.473	1.477	1.463	2.73
61)		4-Chlorophenyl...	0.760	0.790	0.821	0.826	0.779	0.824	0.832	0.804	3.47
62)		4-Nitroaniline	0.295	0.303	0.302	0.306	0.292	0.297	0.299	0.299	1.63
63)		Azobenzene	1.661	1.675	1.733	1.681	1.606	1.671	1.655	1.669	2.25
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.098	0.113	0.131	0.129	0.141	0.147	0.127	14.45
66)	c	n-Nitrosodiphe...	0.588	0.623	0.636	0.657	0.641	0.689	0.691	0.647	5.68
67)		4-Bromophenyl-...	0.223	0.246	0.259	0.266	0.257	0.275	0.276	0.257	7.17
68)		Hexachlorobenzene	0.265	0.260	0.273	0.287	0.276	0.292	0.296	0.278	4.92
69)		Atrazine	0.212	0.216	0.210	0.218	0.194	0.196	0.191	0.205	5.47
70)	C	Pentachlorophenol		0.115	0.135	0.148	0.142	0.157	0.161	0.143	11.61
71)		Phenanthrene	1.070	1.092	1.104	1.119	1.090	1.160	1.169	1.115	3.34
72)		Anthracene	1.016	1.067	1.082	1.108	1.059	1.131	1.129	1.085	3.83
73)		Carbazole	0.901	0.870	0.882	0.899	0.844	0.902	0.898	0.885	2.44
74)		Di-n-butylphth...	1.038	1.074	1.061	1.095	1.062	1.125	1.148	1.086	3.59
75)	C	Fluoranthene	1.169	1.194	1.146	1.153	1.083	1.144	1.146	1.148	2.94
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.574	0.467	0.352	0.658	0.549	0.548	0.603	0.536	18.61
78)		Pyrene	1.701	1.890	2.047	2.179	2.005	1.994	1.989	1.972	7.49
79)	S	Terphenyl-d14	1.267	1.407	1.499	1.573	1.488	1.465	1.510	1.458	6.72
80)		Butylbenzylpht...	0.429	0.498	0.565	0.637	0.607	0.621	0.638	0.571	14.02
81)		Benzo(a)anthra...	1.320	1.419	1.467	1.542	1.423	1.464	1.476	1.444	4.72
82)		3,3'-Dichlorob...	0.344	0.381	0.416	0.454	0.413	0.437	0.432	0.411	9.11
83)		Chrysene	1.274	1.306	1.367	1.463	1.381	1.410	1.410	1.373	4.72
84)		Bis(2-ethylhex...	0.464	0.557	0.685	0.795	0.743	0.785	0.808	0.691	19.22
85)	c	Di-n-octyl pht...		0.788	1.069	1.253	1.210	1.306	1.358	1.164	17.94

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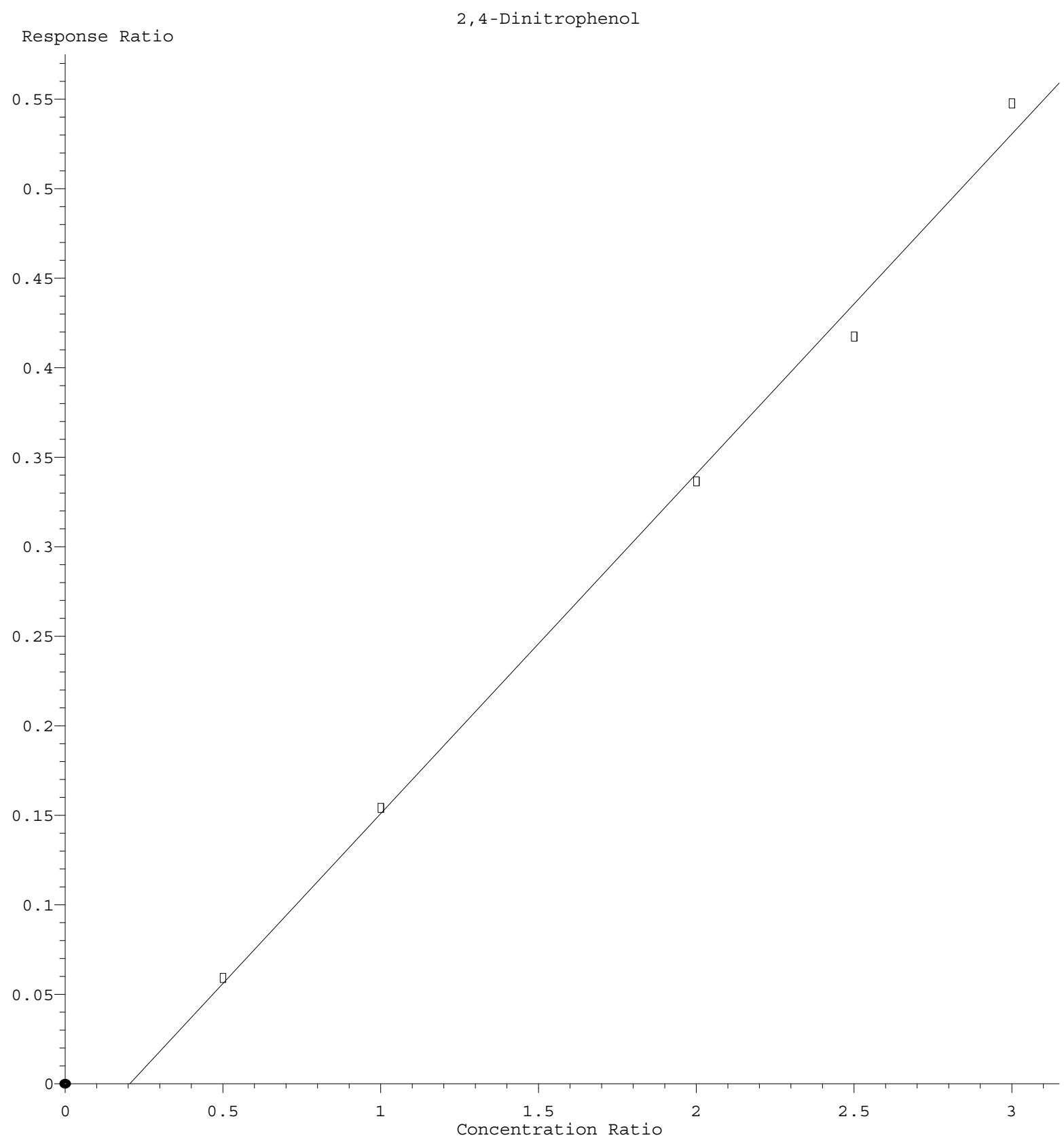
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.248	1.454	1.701	1.756	1.697	1.804	1.765	1.632	12.51
88)		Benzo(b)fluora...	1.313	1.323	1.316	1.300	1.255	1.391	1.331	1.318	3.07
89)		Benzo(k)fluora...	1.377	1.446	1.465	1.326	1.328	1.318	1.371	1.376	4.30
90)	C	Benzo(a)pyrene	1.076	1.091	1.118	1.125	1.116	1.191	1.157	1.125	3.43
91)		Dibenzo(a,h)an...	1.037	1.195	1.401	1.450	1.403	1.450	1.467	1.343	12.20
92)		Benzo(g,h,i)pe...	1.018	1.224	1.439	1.455	1.403	1.468	1.445	1.350	12.50

(#) = Out of Range



Response = 1.899e-001 * Amt - 3.889e-002
Coef of Det (r^2) = 0.995754 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120822.M
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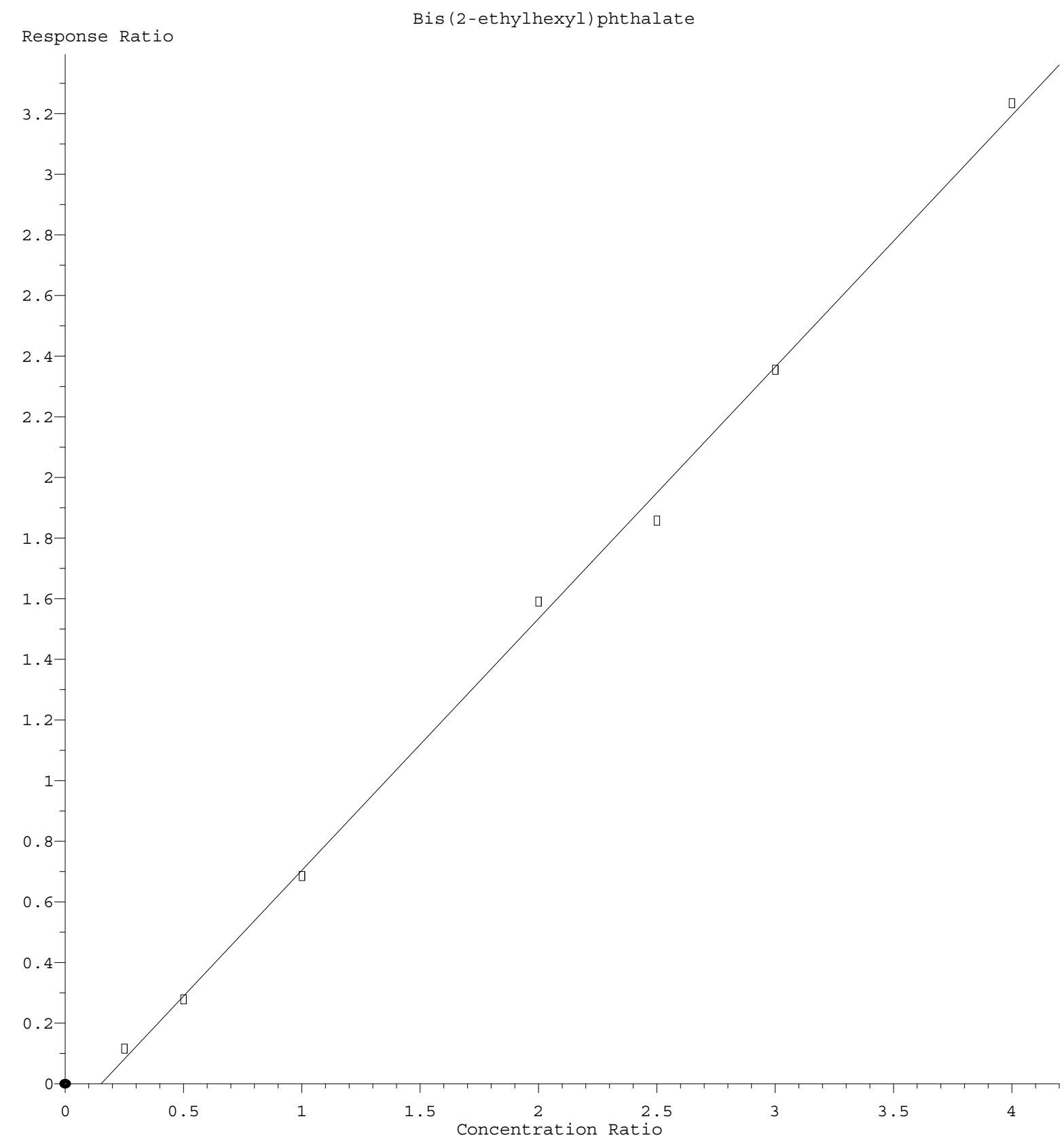

Response = 8.299e-001 * Amt - 1.258e-001
Coef of Det (r^2) = 0.998123 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120822.M
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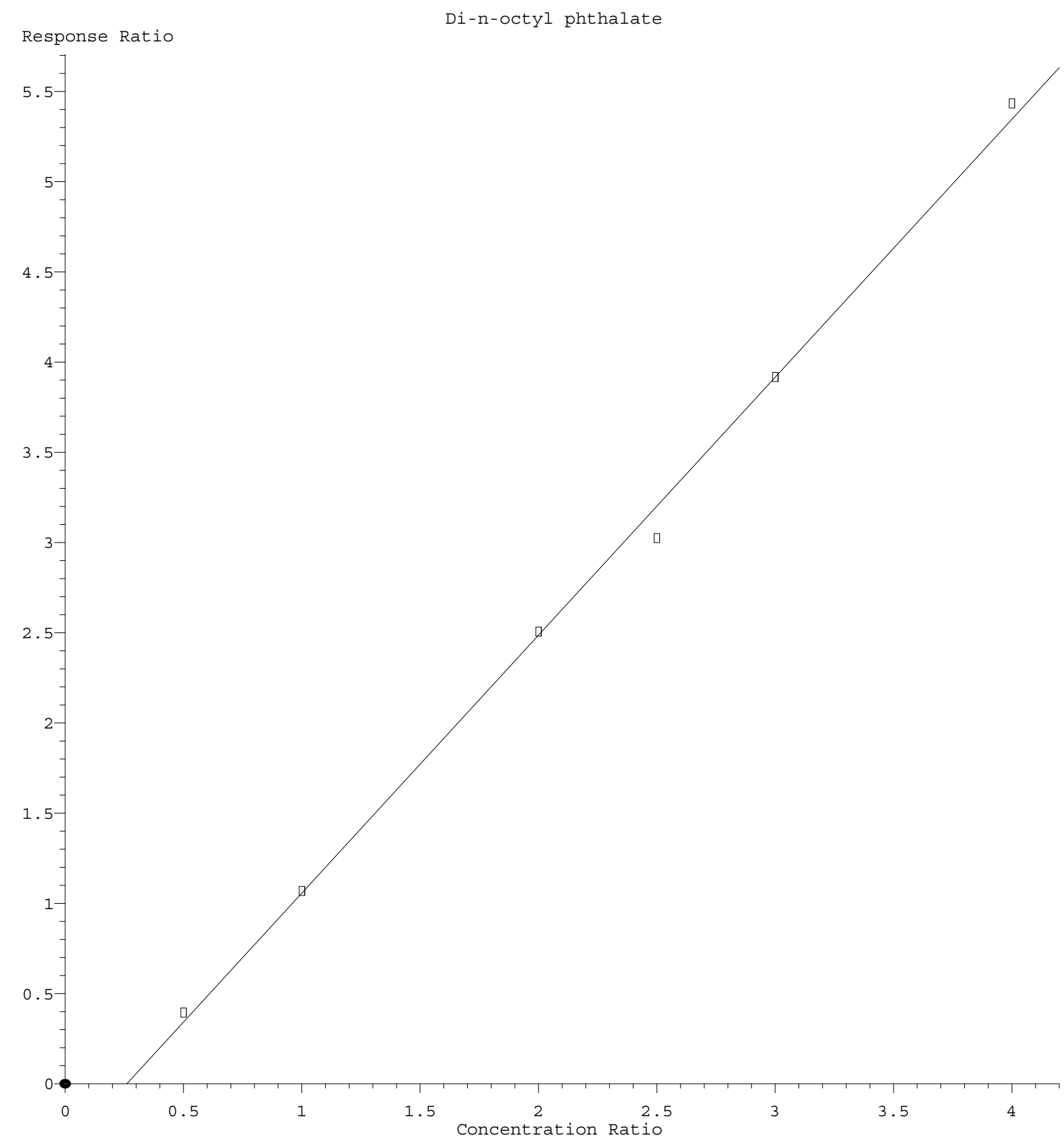

Response = 1.429e+000 * Amt - 3.730e-001
Coef of Det (r^2) = 0.997525 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120822.M
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