Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF120722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 08 04:25:30 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BF131540.D 5 =BF131541.D 10 =BF131542.D 20 =BF131543.D 40 =BF131544.D 50 =BF131545.D 60 =BF131546.D 80 =BF1315
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.505	0.527	0.496	0.534	0.535	0.515	0.492	0.515	3.46
3)		Pyridine		1.274	1.500	1.417	1.524	1.430	1.471	1.414	1.433	5.72
4)		n-Nitrosodimet...		0.674	0.799	0.741	0.826	0.761	0.824	0.777	0.772	6.92
5)	S	2-Fluorophenol		1.134	1.186	1.267	1.214	1.136	1.200	1.152	1.184	4.06
6)		Aniline		1.848	1.940	1.942	1.912	1.808	1.914	1.807	1.881	3.16
7)	S	Phenol-d6		1.522	1.575	1.662	1.587	1.519	1.591	1.519	1.568	3.36
8)		2-Chlorophenol		1.249	1.246	1.318	1.281	1.210	1.290	1.221	1.259	3.08
9)		Benzaldehyde		1.213	1.231	1.165	0.968	0.868			1.089	14.88
10)	C	Phenol		1.645	1.783	1.822	1.831	1.696	1.812	1.713	1.758	4.13
11)		bis(2-Chloroet...		1.332	1.364	1.385	1.366	1.270	1.362	1.277	1.337	3.42
12)		1,3-Dichlorobe...		1.511	1.543	1.539	1.468	1.397	1.489	1.422	1.481	3.77
13)	C	1,4-Dichlorobe...		1.485	1.547	1.553	1.501	1.415	1.506	1.451	1.494	3.32
14)		1,2-Dichlorobe...		1.323	1.438	1.455	1.457	1.355	1.421	1.388	1.405	3.68
15)		Benzyl Alcohol		1.270	1.494	1.499	1.538	1.442	1.534	1.458	1.462	6.29
16)		2,2'-oxybis(1-...		1.685	1.737	1.703	1.705	1.596	1.712	1.585	1.675	3.55
17)		2-Methylphenol		1.114	1.186	1.181	1.187	1.122	1.186	1.113	1.155	3.20
18)		Hexachloroethane		0.598	0.622	0.593	0.622	0.576	0.625	0.591	0.604	3.17
19)	P	n-Nitroso-di-n...	1.235	1.147	1.258	1.193	1.225	1.163	1.251	1.176	1.206	3.49
20)		3+4-Methylphenols		1.490	1.649	1.639	1.625	1.543	1.636	1.549	1.590	3.91
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.607	0.565	0.635	0.629	0.614	0.641	0.642	0.619	4.39
23)	S	Nitrobenzene-d5		0.495	0.471	0.519	0.522	0.508	0.528	0.534	0.511	4.31
24)		Nitrobenzene		0.495	0.473	0.524	0.526	0.509	0.535	0.540	0.515	4.64
25)		Isophorone		0.830	0.796	0.870	0.868	0.846	0.886	0.892	0.855	3.98
26)	C	2-Nitrophenol		0.147	0.164	0.186	0.195	0.185	0.199	0.201	0.182	10.96
27)		2,4-Dimethylph...		0.254	0.286	0.301	0.301	0.294	0.303	0.307	0.292	6.21
28)		bis(2-Chloroet...		0.394	0.444	0.459	0.452	0.440	0.461	0.460	0.444	5.33
29)	C	2,4-Dichloroph...		0.318	0.333	0.351	0.352	0.334	0.360	0.360	0.344	4.62
30)		1,2,4-Trichlor...		0.413	0.420	0.424	0.425	0.410	0.430	0.434	0.422	2.02
31)		Naphthalene		1.096	1.113	1.147	1.138	1.085	1.169	1.159	1.130	2.83
32)		Benzoic acid			0.160	0.186	0.224	0.225	0.242	0.243	0.213	15.59
33)		4-Chloroaniline		0.405	0.429	0.438	0.431	0.412	0.423	0.414	0.422	2.85
34)	C	Hexachlorobuta...		0.280	0.300	0.304	0.312	0.300	0.312	0.316	0.303	3.99
35)		Caprolactam		0.089	0.095	0.098	0.092	0.087	0.094	0.089	0.092	4.32
36)	C	4-Chloro-3-met...		0.339	0.385	0.398	0.398	0.379	0.407	0.407	0.388	6.13
37)		2-Methylnaphth...		0.696	0.803	0.805	0.780	0.765	0.805	0.814	0.781	5.29
38)		1-Methylnaphth...		0.713	0.776	0.754	0.761	0.738	0.766	0.793	0.757	3.43

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.690	0.709	0.759	0.773	0.736	0.773	0.766	0.744	4.46
41)	P	Hexachlorocycl...		0.298	0.353	0.414	0.392	0.426	0.421	0.384	13.01
42)	S	2,4,6-Tribromo...	0.197	0.233	0.228	0.245	0.233	0.248	0.248	0.233	7.63
43)	C	2,4,6-Trichlor...	0.424	0.449	0.456	0.496	0.465	0.493	0.482	0.466	5.59
44)		2,4,5-Trichlor...	0.450	0.451	0.484	0.524	0.487	0.517	0.512	0.489	6.20
45)	S	2-Fluorobiphenyl	1.483	1.503	1.532	1.658	1.560	1.667	1.631	1.576	4.78
46)		1,1'-Biphenyl	1.507	1.493	1.532	1.645	1.549	1.670	1.630	1.575	4.57
47)		2-Chloronaphth...	1.249	1.210	1.273	1.342	1.276	1.320	1.306	1.282	3.50
48)		2-Nitroaniline	0.381	0.408	0.434	0.486	0.453	0.471	0.464	0.442	8.42
49)		Acenaphthylene	1.770	1.823	1.883	1.974	1.874	1.935	1.931	1.884	3.73
50)		Dimethylphthalate	1.442	1.517	1.538	1.620	1.516	1.603	1.583	1.546	3.98
51)		2,6-Dinitrotol...	0.294	0.310	0.314	0.336	0.313	0.331	0.329	0.318	4.63
52)	C	Acenaphthene	1.160	1.209	1.239	1.337	1.260	1.344	1.333	1.269	5.65
53)		3-Nitroaniline	0.286	0.300	0.307	0.314	0.294	0.302	0.304	0.301	2.98
54)	P	2,4-Dinitrophenol		0.132	0.157	0.185	0.178	0.198		0.170	15.16
55)		Dibenzofuran	1.635	1.828	1.826	1.867	1.745	1.857	1.843	1.800	4.60
56)	P	4-Nitrophenol	0.181	0.201	0.222	0.228	0.214	0.224	0.223	0.213	7.83
57)		2,4-Dinitrotol...	0.362	0.406	0.426	0.449	0.423	0.446	0.440	0.422	7.20
58)		Fluorene	1.332	1.495	1.483	1.519	1.445	1.536	1.540	1.479	4.91
59)		2,3,4,6-Tetrac...	0.367	0.418	0.423	0.448	0.422	0.442	0.439	0.423	6.46
60)		Diethylphthalate	1.374	1.552	1.497	1.572	1.486	1.576	1.563	1.517	4.80
61)		4-Chlorophenyl...	0.736	0.837	0.825	0.861	0.810	0.862	0.853	0.826	5.35
62)		4-Nitroaniline	0.275	0.311	0.318	0.317	0.287	0.299	0.307	0.302	5.29
63)		Azobenzene	1.525	1.693	1.666	1.740	1.619	1.694	1.675	1.659	4.18
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.111	0.122	0.135	0.137	0.145	0.149	0.133	10.62
66)	c	n-Nitrosodiphe...	0.648	0.627	0.620	0.649	0.638	0.689	0.688	0.651	4.21
67)		4-Bromophenyl-...	0.252	0.252	0.247	0.265	0.266	0.277	0.280	0.263	4.77
68)		Hexachlorobenzene	0.272	0.271	0.274	0.287	0.279	0.298	0.300	0.283	4.32
69)		Atrazine	0.216	0.218	0.216	0.224	0.207	0.208	0.199	0.213	3.94
70)	C	Pentachlorophenol	0.118	0.133	0.146	0.157	0.159	0.168	0.171	0.150	12.75
71)		Phenanthrene	1.060	1.096	1.120	1.121	1.108	1.159	1.159	1.118	3.13
72)		Anthracene	1.042	1.064	1.073	1.095	1.058	1.139	1.133	1.086	3.45
73)		Carbazole	0.874	0.855	0.923	0.894	0.864	0.907	0.927	0.892	3.21
74)		Di-n-butylphth...	1.018	1.157	1.172	1.241	1.199	1.275	1.303	1.195	7.89
75)	C	Fluoranthene	1.164	1.158	1.300	1.206	1.136	1.201	1.220	1.198	4.52
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.632	0.507	0.406	0.386	0.242	0.236	0.241	0.379	40.24
78)		Pyrene	1.824	1.825	1.967	2.086	1.964	2.022	1.960	1.950	4.95
79)	S	Terphenyl-d14	1.349	1.389	1.521	1.614	1.527	1.556	1.553	1.501	6.39
80)		Butylbenzylpht...	0.452	0.600	0.592	0.704	0.674	0.707	0.703	0.633	14.77
81)		Benzo(a)anthra...	1.401	1.386	1.448	1.520	1.425	1.483	1.471	1.448	3.28
82)		3,3'-Dichlorob...	0.351	0.425	0.429	0.431	0.395	0.407	0.383	0.403	7.28
83)		Chrysene	1.318	1.317	1.383	1.467	1.326	1.411	1.416	1.377	4.24
84)		Bis(2-ethylhex...	0.479	0.648	0.681	0.859	0.849	0.914	0.909	0.763	21.48
85)	c	Di-n-octyl pht...		0.928	0.983	1.273	1.239	1.295	1.306	1.171	14.45

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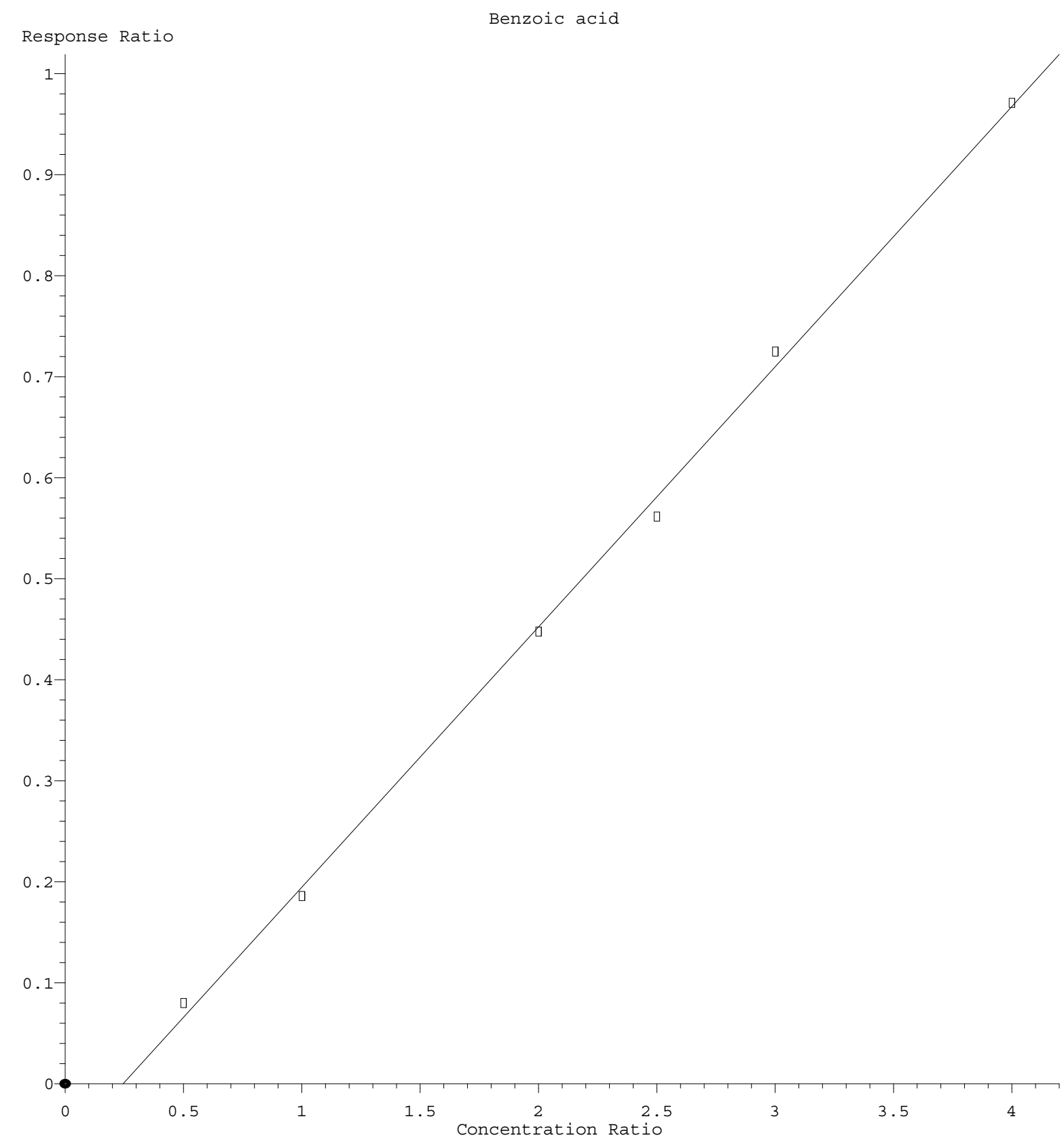
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.442	1.179	1.419	1.550	1.499	1.564	1.599	1.465	9.69
88)		Benzo(b)fluora...	1.265	1.202	1.436	1.367	1.397	1.419	1.488	1.368	7.36
89)		Benzo(k)fluora...	1.368	1.341	1.456	1.415	1.336	1.479	1.397	1.399	3.94
90)	C	Benzo(a)pyrene	1.021	1.093	1.124	1.136	1.104	1.179	1.177	1.119	4.86
91)		Dibenzo(a,h)an...	1.174	0.987	1.195	1.296	1.259	1.319	1.358	1.227	10.14
92)		Benzo(g,h,i)pe...	1.187	0.956	1.063	1.263	1.227	1.264	1.296	1.179	10.59

(#) = Out of Range



Response = 2.576e-001 * Amt - 6.306e-002
Coef of Det (r^2) = 0.998340 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120722.M
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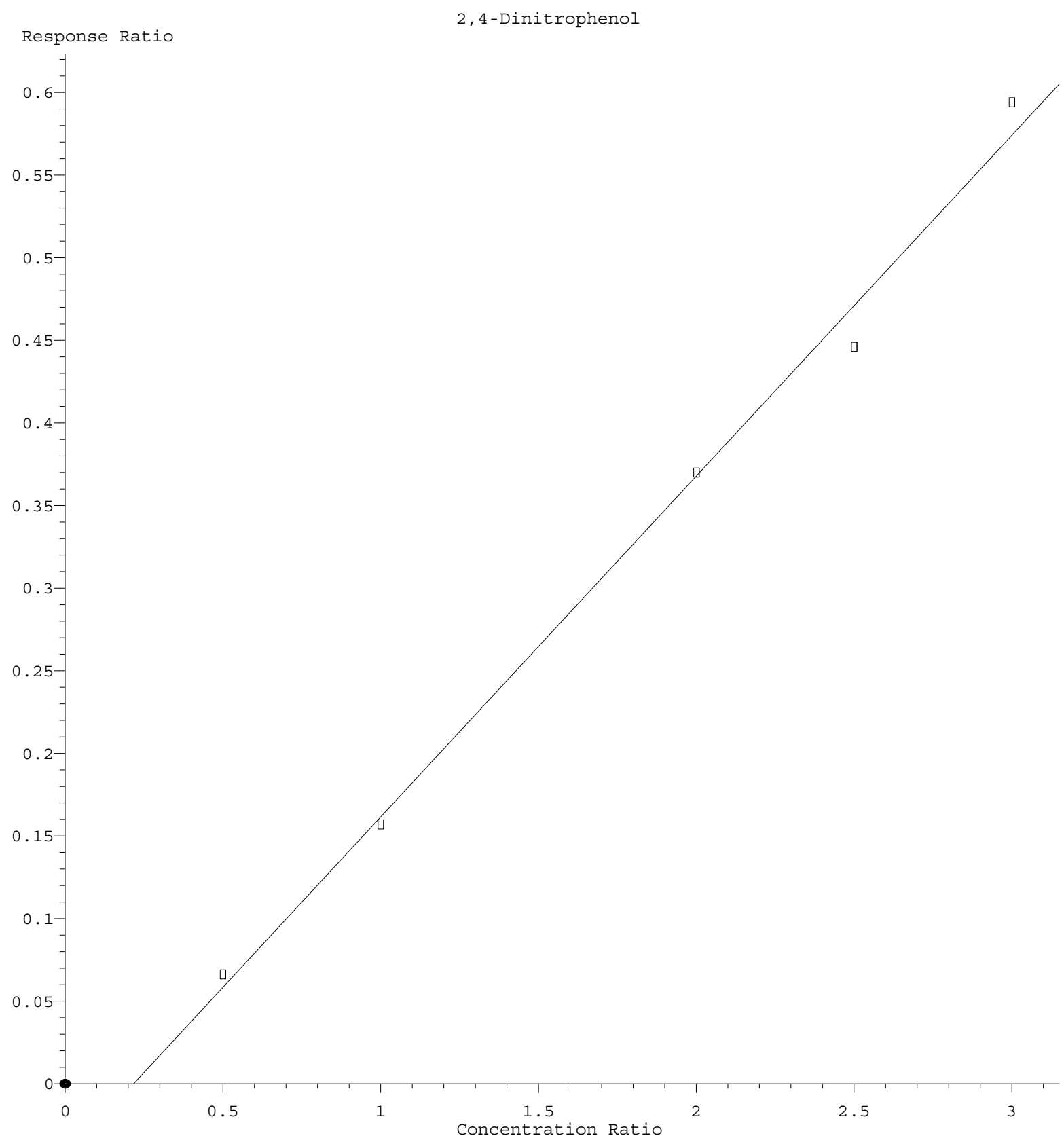

Response = 2.064e-001 * Amt - 4.485e-002
Coef of Det (r^2) = 0.993994 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120722.M
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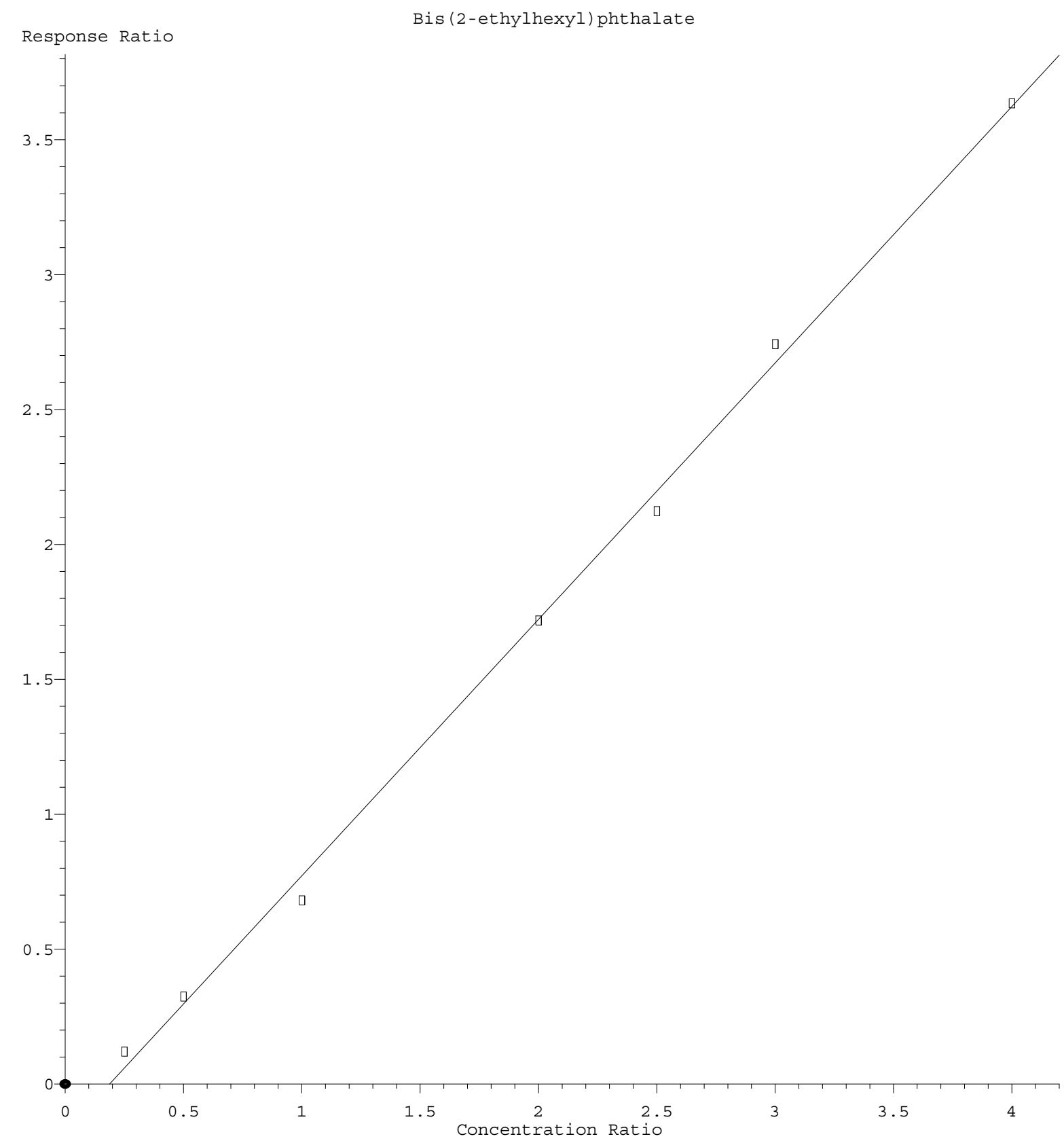

Response = 9.504e-001 * Amt - 1.785e-001
Coef of Det (r^2) = 0.997756 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF120722.M
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