Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM051424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed May 15 01:43:14 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM045727.D 5 =BM045728.D 10 =BM045729.D 20 =BM045730.D 40 =BM045731.D 50 =BM045732.D 60 =BM045733.D 80 =BM0457
34.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.412	0.384	0.403	0.363	0.376	0.371	0.372	0.383	4.71
3)		Pyridine		1.290	1.386	1.500	1.409	1.394	1.409	1.225	1.373	6.53
4)		n-Nitrosodimet...		0.829	0.788	0.867	0.808	0.828	0.831	0.817	0.824	2.94
5)	S	2-Fluorophenol		1.269	1.207	1.260	1.159	1.193	1.268	1.341	1.242	4.86
6)		Aniline		1.405	1.295	1.381	1.195	1.180	1.211	1.154	1.260	8.01
7)	S	Phenol-d6		1.429	1.382	1.511	1.429	1.482	1.549	1.643	1.489	5.91
8)		2-Chlorophenol		1.173	1.113	1.154	1.081	1.106	1.159	1.215	1.143	4.02
9)		Benzaldehyde		1.244	1.174	1.237	0.992	0.945	0.916		1.084	13.89
10)	C	Phenol		1.455	1.342	1.429	1.314	1.364	1.426	1.489	1.403	4.56
11)		bis(2-Chloroet...		1.309	1.213	1.249	1.127	1.115	1.146	1.151	1.187	6.06
12)		1,3-Dichlorobe...		1.494	1.452	1.517	1.413	1.430	1.490	1.531	1.475	3.02
13)	C	1,4-Dichlorobe...		1.523	1.434	1.556	1.446	1.483	1.530	1.581	1.508	3.67
14)		1,2-Dichlorobe...		1.414	1.320	1.412	1.312	1.330	1.404	1.466	1.380	4.26
15)		Benzyl Alcohol		1.273	1.308	1.396	1.340	1.391	1.431	1.494	1.376	5.48
16)		2,2'-oxybis(1-...		1.312	1.198	1.247	1.136	1.144	1.165	1.175	1.197	5.25
17)		2-Methylphenol		0.941	0.899	0.997	0.950	0.980	1.032	1.067	0.981	5.83
18)		Hexachloroethane		0.643	0.624	0.689	0.662	0.680	0.690	0.723	0.673	4.88
19)	P	n-Nitroso-di-n...	0.952	1.031	1.020	1.161	1.133	1.203	1.248	1.382	1.141	12.22
20)		3+4-Methylphenols		1.349	1.207	1.381	1.365	1.448	1.528	1.692	1.424	10.77
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.531	0.457	0.490	0.461	0.483	0.505	0.557	0.498	7.28
23)	S	Nitrobenzene-d5		0.498	0.456	0.480	0.455	0.454	0.471	0.487	0.471	3.74
24)		Nitrobenzene		0.497	0.469	0.471	0.430	0.428	0.439	0.438	0.453	5.73
25)		Isophorone		0.686	0.626	0.679	0.645	0.652	0.674	0.693	0.665	3.69
26)	C	2-Nitrophenol		0.148	0.138	0.151	0.148	0.154	0.161	0.168	0.153	6.42
27)		2,4-Dimethylph...		0.199	0.179	0.189	0.183	0.186	0.194	0.200	0.190	4.26
28)		bis(2-Chloroet...		0.392	0.362	0.368	0.353	0.366	0.382	0.404	0.375	4.84
29)	C	2,4-Dichloroph...		0.255	0.247	0.278	0.267	0.272	0.289	0.304	0.273	7.12
30)		1,2,4-Trichlor...		0.338	0.316	0.331	0.318	0.324	0.336	0.357	0.331	4.22
31)		Naphthalene		0.973	0.935	1.001	0.970	0.998	1.037	1.093	1.001	5.15
32)		Benzoic acid			0.144	0.177	0.181	0.189	0.202	0.209	0.184	12.53
33)		4-Chloroaniline		0.356	0.336	0.366	0.351	0.364	0.372	0.384	0.361	4.28
34)	C	Hexachlorobuta...		0.222	0.212	0.217	0.208	0.212	0.222	0.236	0.218	4.35
35)		Caprolactam			0.067	0.084	0.086	0.089	0.096	0.102	0.087	13.80
36)	C	4-Chloro-3-met...		0.301	0.296	0.338	0.341	0.356	0.373	0.389	0.342	10.11
37)		2-Methylnaphth...		0.681	0.650	0.722	0.724	0.754	0.786	0.844	0.737	8.83
38)		1-Methylnaphth...		0.650	0.643	0.709	0.711	0.741	0.774	0.838	0.724	9.47

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.530	0.523	0.492	0.499	0.522	0.573	0.534	7.32
41)	P	Hexachlorocycl...	0.252	0.236	0.234	0.220	0.224	0.233	0.249	0.236	5.04
42)	S	2,4,6-Tribromo...		0.235	0.274	0.283	0.297	0.319	0.351	0.293	13.58
43)	C	2,4,6-Trichlor...	0.343	0.335	0.346	0.336	0.337	0.354	0.377	0.347	4.33
44)		2,4,5-Trichlor...	0.391	0.375	0.382	0.376	0.384	0.408	0.423	0.391	4.55
45)	S	2-Fluorobiphenyl	1.436	1.343	1.395	1.390	1.450	1.556	1.746	1.474	9.32
46)		1,1'-Biphenyl	1.423	1.387	1.381	1.349	1.366	1.446	1.533	1.412	4.45
47)		2-Chloronaphth...	1.131	1.060	1.083	1.043	1.061	1.112	1.173	1.095	4.24
48)		2-Nitroaniline	0.379	0.354	0.393	0.381	0.385	0.401	0.404	0.385	4.36
49)		Acenaphthylene	1.604	1.580	1.708	1.719	1.756	1.854	1.951	1.739	7.55
50)		Dimethylphthalate	1.470	1.409	1.455	1.415	1.439	1.507	1.567	1.466	3.79
51)		2,6-Dinitrotol...	0.302	0.300	0.326	0.315	0.316	0.334	0.346	0.320	5.24
52)	C	Acenaphthene	0.990	0.972	1.040	1.049	1.078	1.139	1.208	1.068	7.75
53)		3-Nitroaniline	0.286	0.285	0.316	0.312	0.321	0.335	0.345	0.314	7.24
54)	P	2,4-Dinitrophenol		0.131	0.160	0.174	0.186	0.201		0.170	15.75
55)		Dibenzofuran	1.650	1.616	1.783	1.810	1.854	1.957	2.081	1.821	8.96
56)	P	4-Nitrophenol	0.200	0.228	0.274	0.284	0.290	0.303	0.306	0.269	14.88
57)		2,4-Dinitrotol...	0.385	0.420	0.486	0.496	0.518	0.557	0.596	0.494	14.88
58)		Fluorene	1.384	1.384	1.605	1.645	1.708	1.832	1.986	1.649	13.40
59)		2,3,4,6-Tetrac...	0.339	0.341	0.372	0.375	0.379	0.396	0.406	0.373	6.75
60)		Diethylphthalate	1.543	1.584	1.763	1.711	1.723	1.808	1.872	1.715	6.83
61)		4-Chlorophenyl...	0.713	0.701	0.796	0.806	0.831	0.881	0.964	0.813	11.30
62)		4-Nitroaniline	0.256	0.293	0.348	0.356	0.361	0.385	0.390	0.341	14.39
63)		Azobenzene	1.667	1.703	1.804	1.731	1.720	1.781	1.758	1.738	2.72
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.082	0.096	0.110	0.115	0.124		0.105	15.57
66)	c	n-Nitrosodiphe...	0.482	0.433	0.464	0.500	0.522	0.553	0.594	0.507	10.77
67)		4-Bromophenyl-...	0.192	0.173	0.186	0.187	0.194	0.208	0.222	0.194	8.17
68)		Hexachlorobenzene	0.237	0.216	0.227	0.228	0.234	0.248	0.268	0.237	7.18
69)		Atrazine	0.169	0.161	0.168	0.162	0.158	0.160	0.154	0.162	3.39
70)	C	Pentachlorophenol	0.120	0.123	0.144	0.152	0.157	0.168	0.178	0.149	14.63
71)		Phenanthrene	0.948	0.891	0.987	1.003	1.020	1.090	1.144	1.012	8.40
72)		Anthracene	0.876	0.842	0.936	0.959	0.990	1.063	1.117	0.969	10.08
73)		Carbazole	0.842	0.813	0.908	0.936	0.963	1.036	1.071	0.939	10.07
74)		Di-n-butylphth...	1.056	1.053	1.179	1.224	1.274	1.362	1.453	1.229	12.14
75)	C	Fluoranthene	1.155	1.150	1.237	1.246	1.276	1.363	1.428	1.265	8.09
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.265	0.427	0.504	0.476	0.459	0.455	0.431	19.75
78)		Pyrene	1.434	1.530	1.786	1.833	1.886	1.976	2.208	1.807	14.51
79)	S	Terphenyl-d14		1.362	1.697	1.840	1.980	2.097		1.795	15.86
80)		Butylbenzylpht...	0.563	0.620	0.742	0.776	0.811			0.702	15.14
81)		Benzo(a)anthra...	1.245	1.225	1.314	1.326	1.369	1.463	1.592	1.362	9.43
82)		3,3'-Dichlorob...	0.427	0.412	0.480	0.540	0.586			0.489	15.15
83)		Chrysene	1.141	1.125	1.198	1.214	1.267	1.340	1.513	1.257	10.73
84)		Bis(2-ethylhex...	0.755	0.783	0.968	1.096	1.212			0.963	20.45
85)	c	Di-n-octyl pht...	1.391	1.307	1.370	1.349	1.435	1.572	1.680	1.443	9.31

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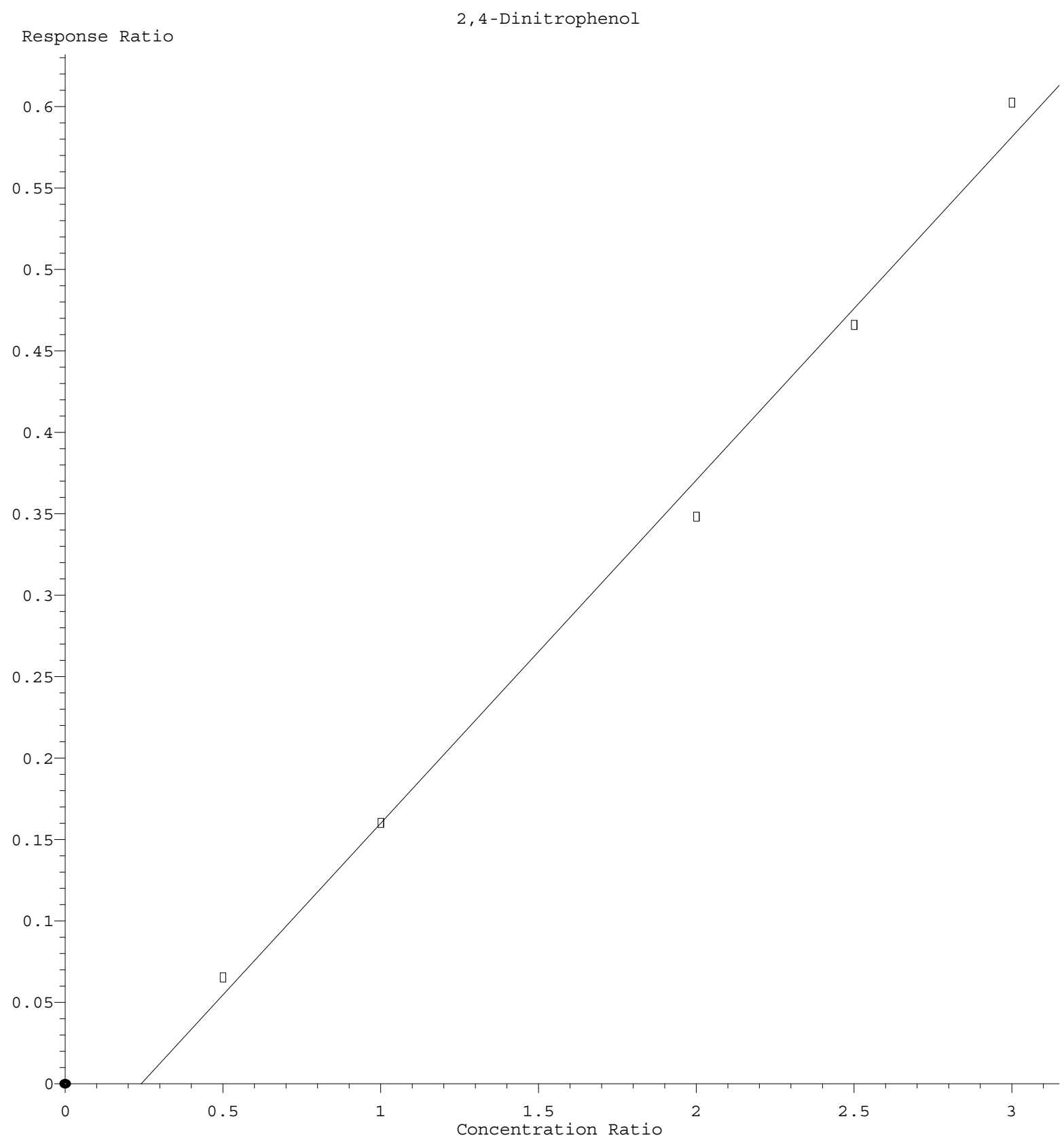
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.238	1.162	1.208	1.154	1.145	1.219	1.146	1.182	3.29
88)		Benzo(b)fluora...	1.223	1.194	1.365	1.410	1.464	1.575	1.763	1.428	13.89
89)		Benzo(k)fluora...	1.148	1.128	1.194	1.220	1.290	1.429	1.615	1.289	13.64
90)	C	Benzo(a)pyrene	1.034	1.008	1.095	1.098	1.167	1.256	1.356	1.145	10.88
91)		Dibenzo(a,h)an...	1.024	0.962	0.974	0.927	0.932	1.000	0.951	0.967	3.66
92)		Benzo(g,h,i)pe...	1.116	1.030	1.094	1.043	1.034	1.094	1.005	1.059	3.90

(#) = Out of Range



Response = 2.106e-001 * Amt - 5.071e-002
Coef of Det (r^2) = 0.993938 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM051424.M
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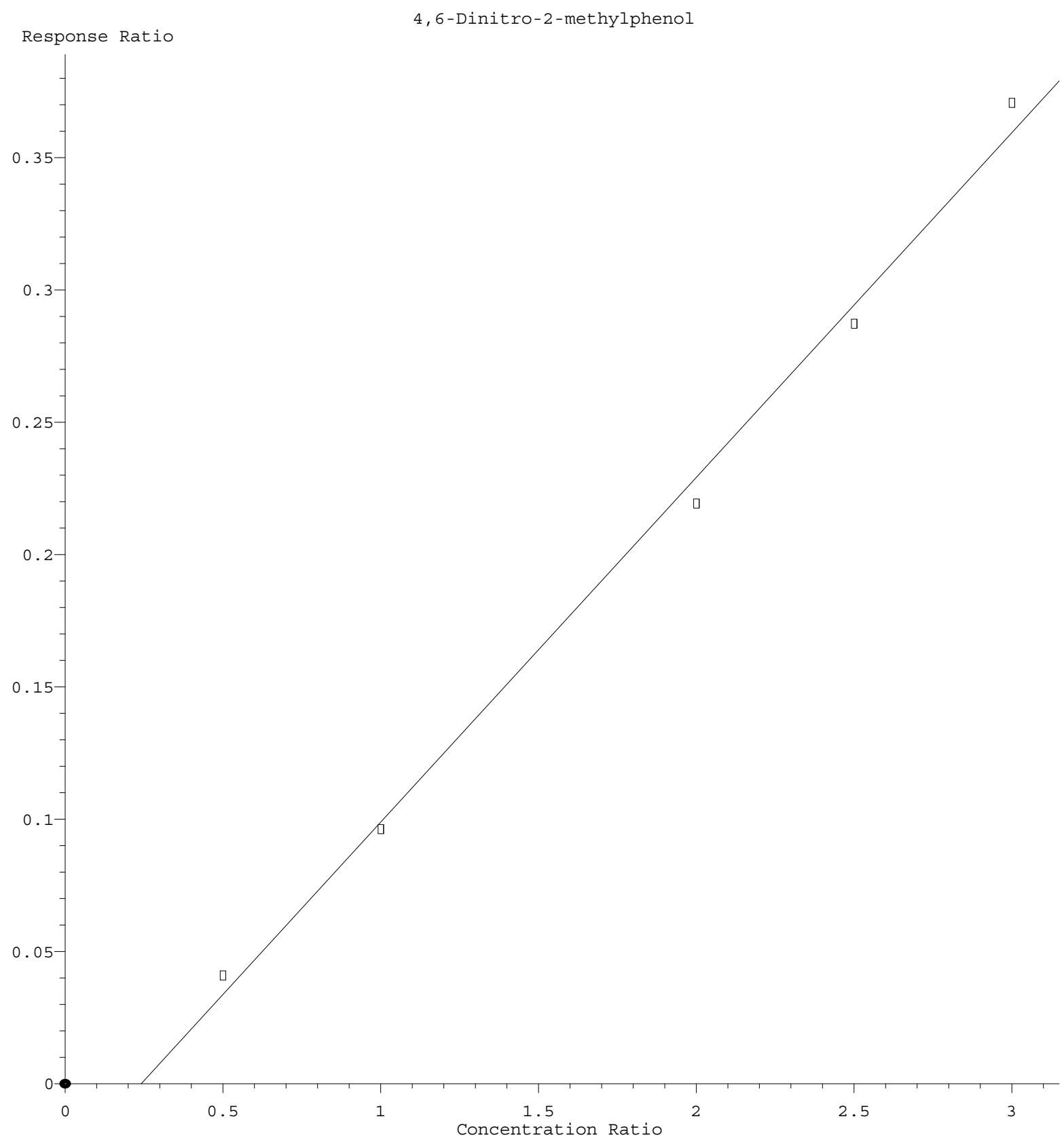

Response = 1.301e-001 * Amt - 3.135e-002
Coef of Det (r^2) = 0.995446 Curve Fit: Linear
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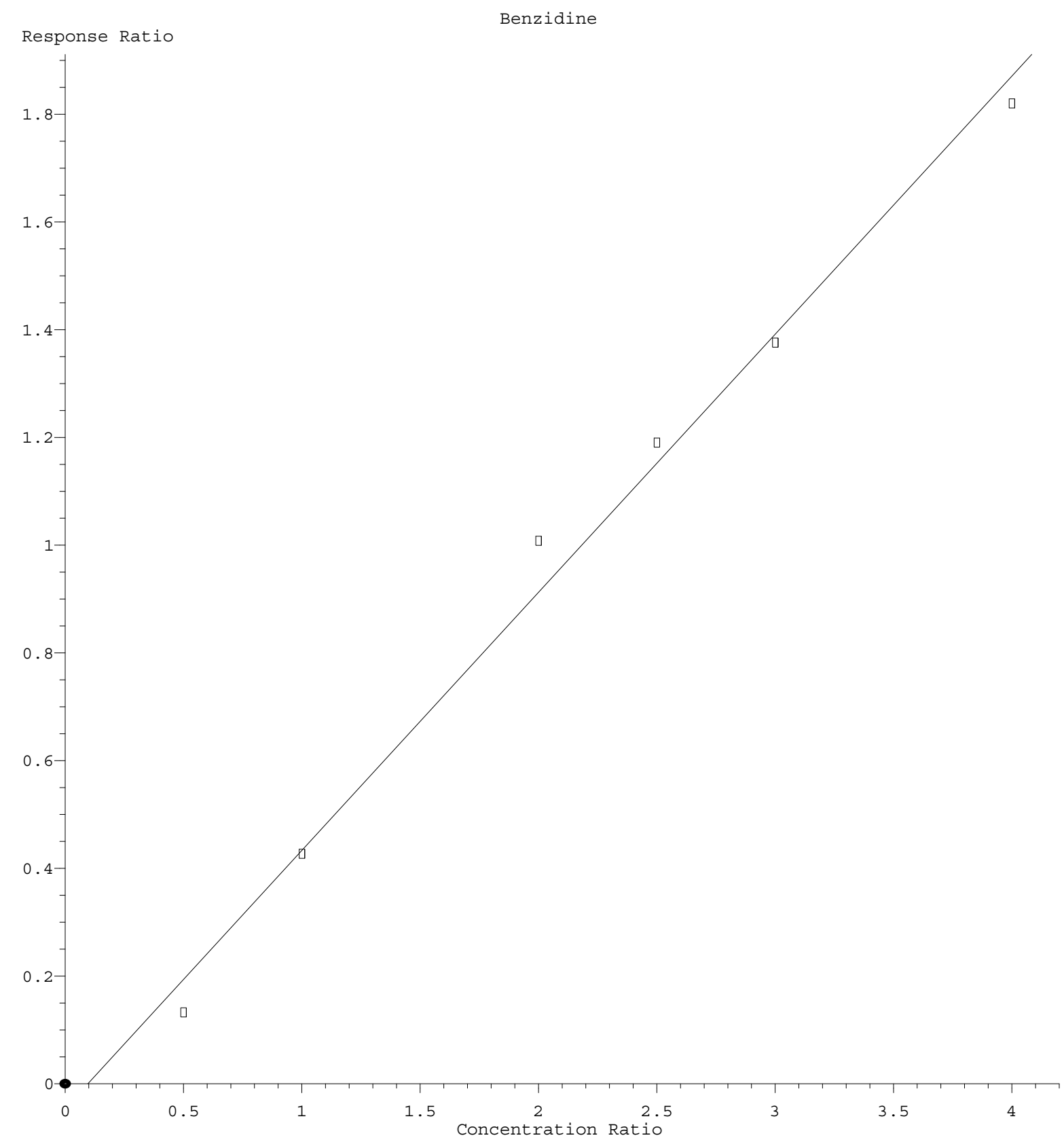
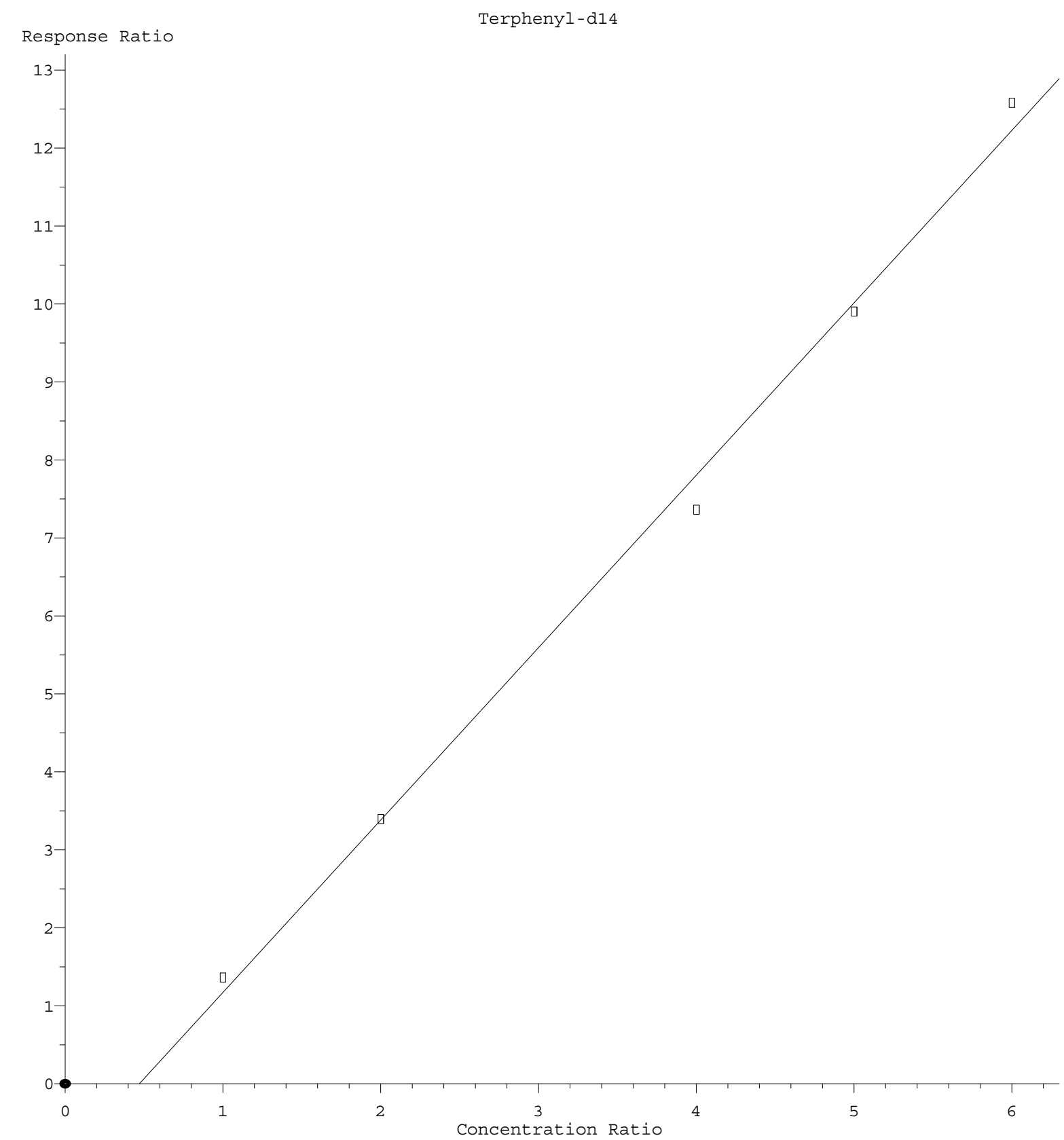
Calibration Table Last Updated: Wed May 15 01:43:14 2024



Response = 4.792e-001 * Amt - 4.590e-002
Coef of Det (r^2) = 0.991090 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM051424.M
Calibration Table Last Updated: Wed May 15 01:43:14 2024



Response = 2.211e+000 * Amt - 1.039e+000
Coef of Det (r^2) = 0.995620 Curve Fit: Linear
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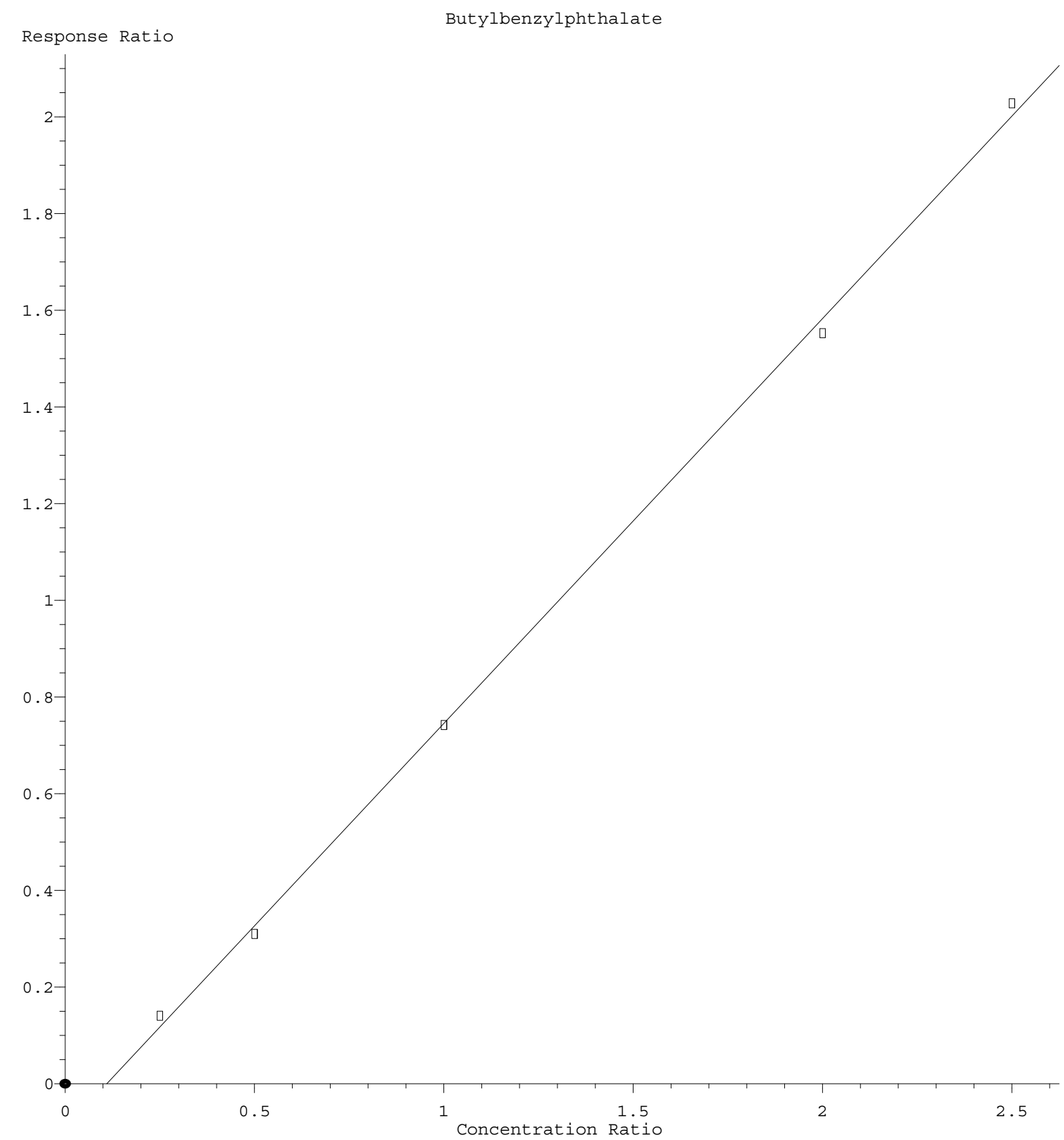
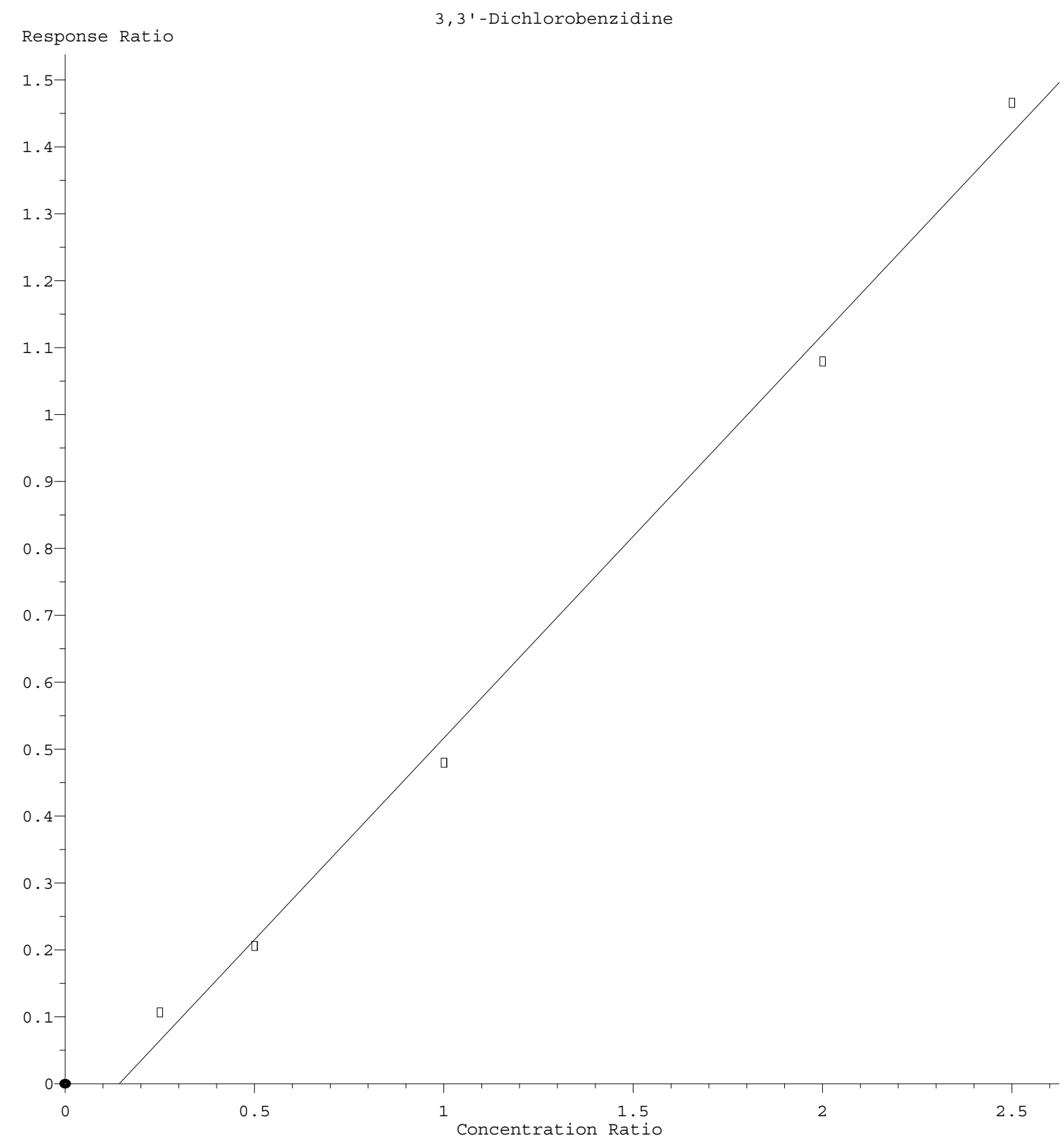
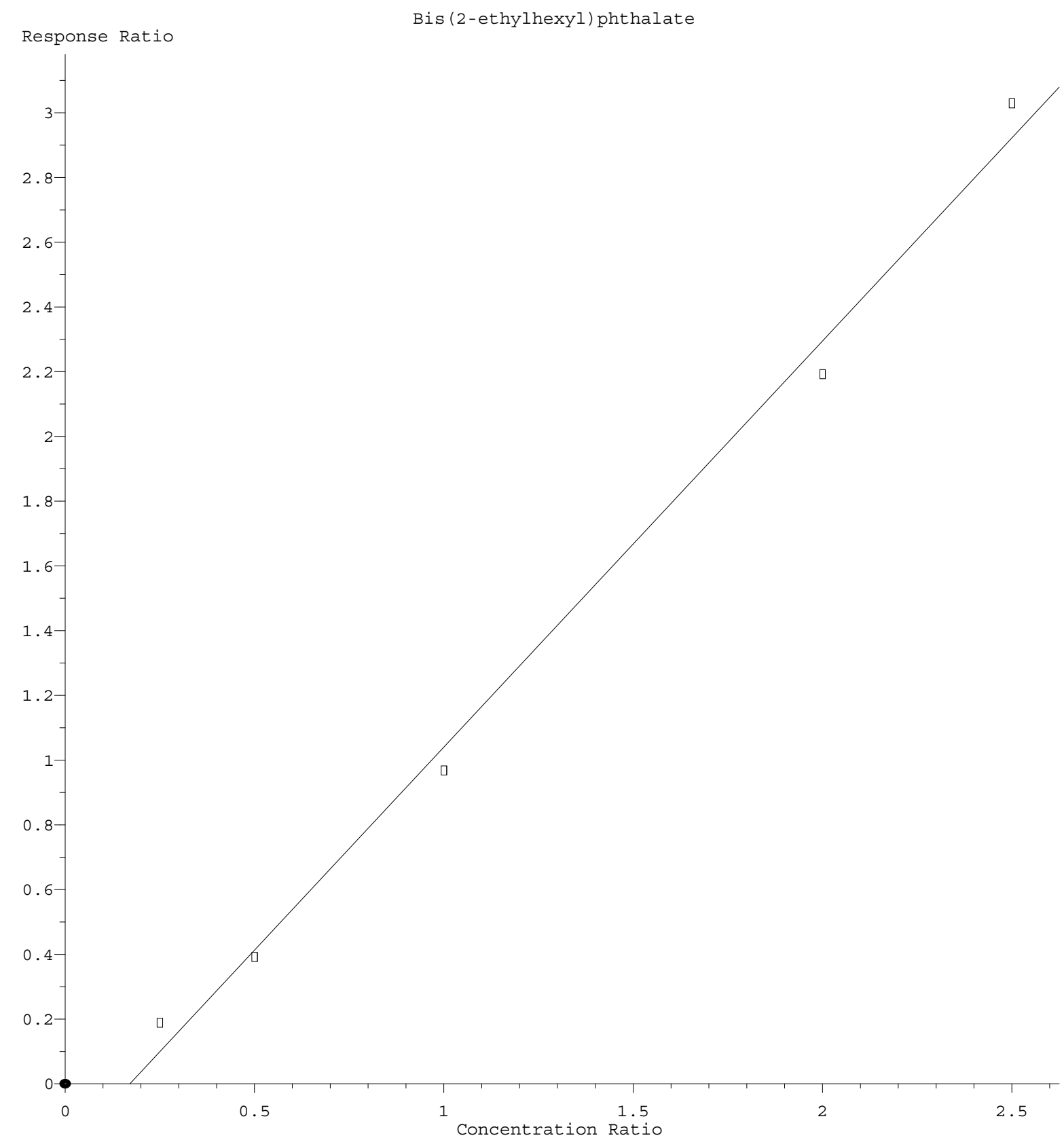
Calibration Table Last Updated: Wed May 15 01:43:14 2024



Response = 8.375e-001 * Amt - 9.232e-002
Coef of Det (r^2) = 0.999065 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM051424.M
Calibration Table Last Updated: Wed May 15 01:43:14 2024



Response = 6.028e-001 * Amt - 8.604e-002
Coef of Det (r^2) = 0.995003 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM051424.M
Calibration Table Last Updated: Wed May 15 01:43:14 2024



Response = 1.255e+000 * Amt - 2.148e-001
Coef of Det (r^2) = 0.993996 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM051424.M
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