Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN050724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 07 17:14:43 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN031418.D 0.2 =BN031419.D 0.4 =BN031420.D 0.8 =BN031421.D 1.6 =BN031422.D 3.2 =BN031423.D 5.0 =BN031424.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.608	0.503	0.454	0.454	0.465	0.437	0.422	0.477	13.16
3)		n-Nitrosodimet...	0.478	0.479	0.445	0.476	0.508	0.493	0.456	0.476	4.44
4)	S	2-Fluorophenol	0.871	0.947	0.907	0.921	0.992	0.961	0.959	0.937	4.28
5)	S	Phenol-d6	0.940	1.033	1.037	1.072	1.217	1.239	1.252	1.113	10.99
6)		bis(2-Chloroet...	0.889	0.997	0.992	1.024	1.141	1.125	1.114	1.040	8.80
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.250	0.367	0.331	0.369	0.481	0.314	0.346	0.351	19.91
9)		Naphthalene	1.047	1.215	1.003	0.962	1.377	1.104	1.119	1.118	12.61
10)		Hexachlorobuta...	0.223	0.269	0.218	0.175	0.302	0.217	0.229	0.233	17.48
11)	SURR	2-Methylnaphth...	0.566	0.839	0.395	0.446	0.535	0.645	0.716	0.592	26.11
12)		2-Methylnaphth...	0.675	0.992	0.450	0.503	0.607	0.753	0.829	0.687	27.48
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.131	0.103	0.147	0.255	0.205	0.203	0.200	0.178	29.57
15)	S	2-Fluorobiphenyl	1.582	1.646	0.908	1.408	1.645	1.563	1.605	1.480	17.90
16)		Acenaphthylene	1.528	1.619	1.611	1.610	1.909	2.021	1.985	1.755	11.84
17)		Acenaphthene	1.125	1.123	1.183	1.188	1.242	1.298	1.261	1.203	5.57
18)		Fluorene	1.424	0.911	1.534	2.540	1.672	1.175	1.640	1.556	32.84
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.046	0.037	0.049	0.057	0.086	0.076	0.097	0.064	35.03
21)		4-Bromophenyl-...	0.209	0.216	0.221	0.227	0.242	0.251	0.249	0.231	7.25
22)		Hexachlorobenzene	0.272	0.247	0.255	0.260	0.276	0.273	0.268	0.264	4.09
23)		Atrazine	0.153	0.156	0.161	0.173	0.214	0.208	0.203	0.181	14.46
24)		Pentachlorophenol	0.069	0.074	0.084	0.099	0.140	0.140	0.153	0.109	32.26
25)		Phenanthrene	1.119	1.123	1.100	1.132	1.168	1.216	1.175	1.148	3.53
26)		Anthracene	0.860	0.867	0.879	0.930	1.063	1.100	1.057	0.965	10.82
27)	SURR	Fluoranthene-d10	0.861	1.204	1.001	1.070	1.199	1.164	1.075	1.082	11.39
28)		Fluoranthene	1.293	1.540	1.282	1.373	1.481	1.483	1.361	1.402	7.17
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.282	1.871	1.747	1.507	1.100	1.831	1.952	1.613	20.10
31)	S	Terphenyl-d14	0.853	1.138	1.067	0.937	0.757	1.121	1.235	1.015	16.89
32)		Benzo(a)anthra...	1.306	1.335	1.269	1.351	1.461	1.533	1.414	1.381	6.74
33)		Chrysene	1.502	1.379	1.332	1.420	1.543	1.511	1.385	1.439	5.54
34)		Bis(2-ethylhex...	0.758	0.693	0.475	0.642	0.816	0.828	0.894	0.730	19.27
35)	I	Perylene-d12	----------ISTD----------								

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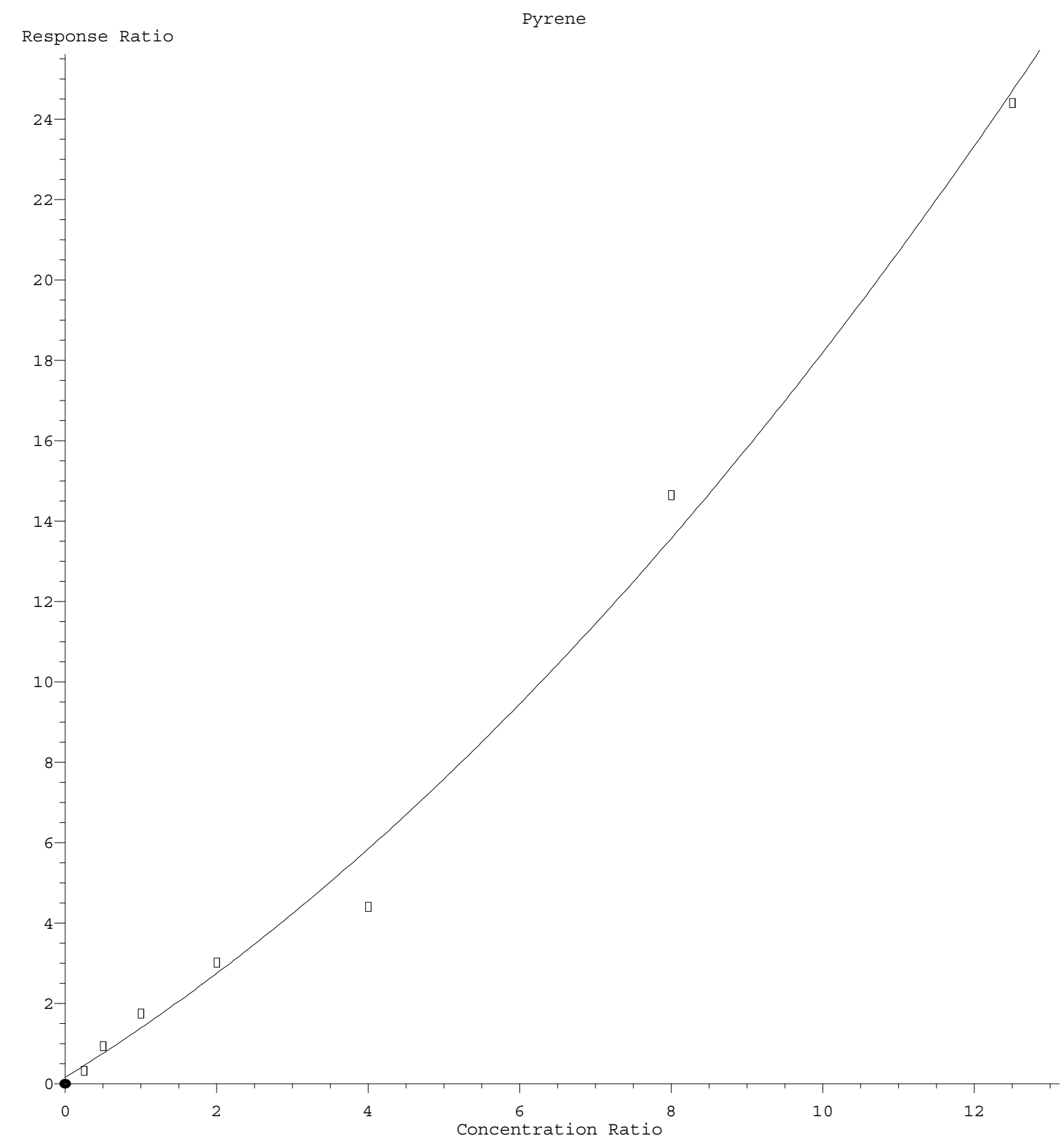
36)		Indeno(1,2,3-c...	1.608	1.535	1.362	1.647	1.719	1.737	1.704	1.616	8.20
37)		Benzo(b)fluora...	1.532	1.534	1.455	1.515	1.701	1.625	1.621	1.569	5.31
38)		Benzo(k)fluora...	1.494	1.505	1.437	1.511	1.654	1.604	1.568	1.539	4.80
39)	C	Benzo(a)pyrene	1.305	1.247	1.216	1.260	1.415	1.392	1.380	1.317	6.01
40)		Dibenzo(a,h)an...	1.244	1.200	1.045	1.310	1.374	1.388	1.356	1.274	9.61
41)		Benzo(g,h,i)pe...	1.454	0.879	1.136	1.250	1.477	1.394	1.455	1.292	17.14

(#) = Out of Range



R = 6.377e-002 A*A + 1.166e+000 A + 1.586e-001
Coef of Det (r^2) = 0.992738 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN050724.M
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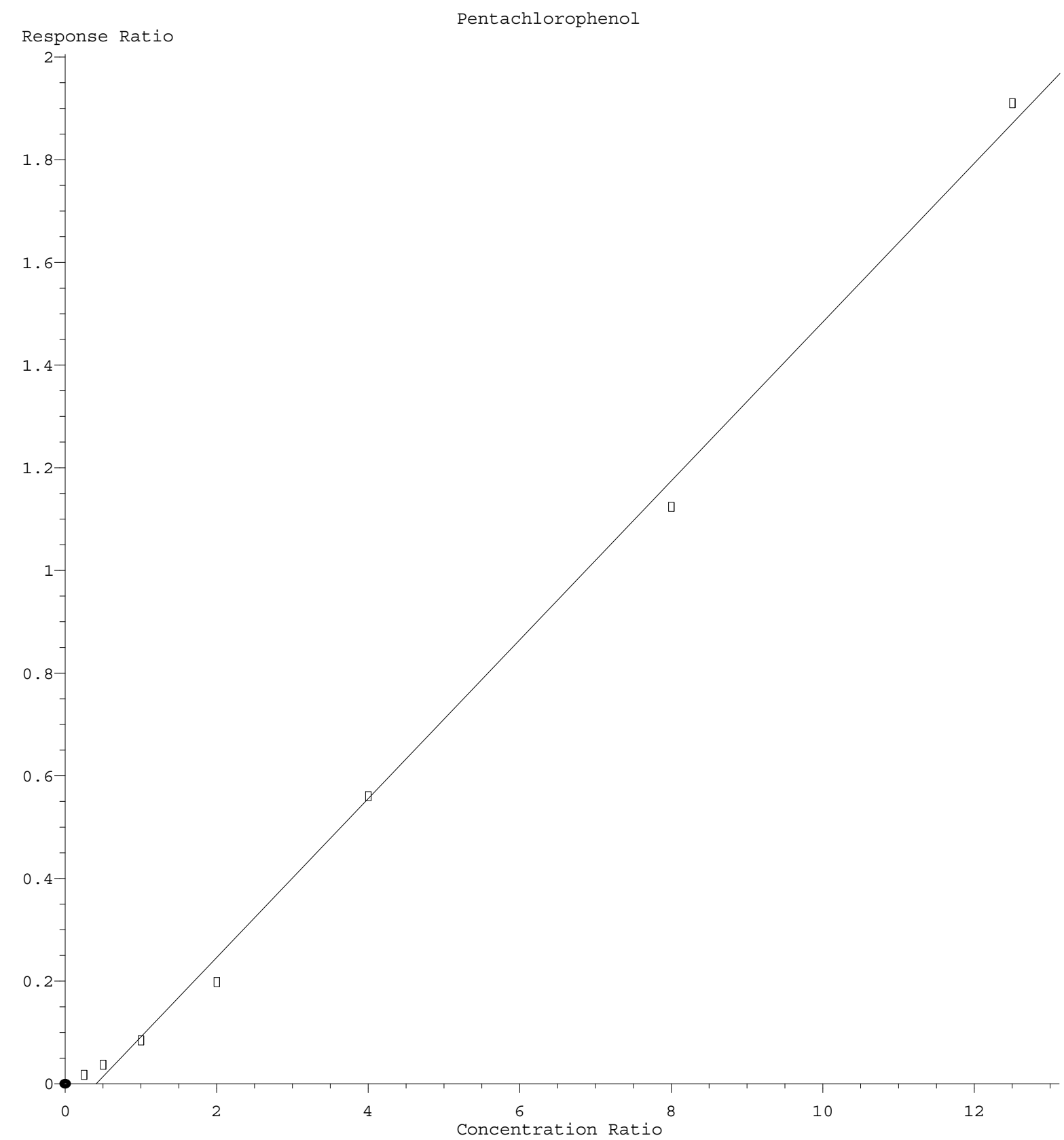

Response = 1.548e-001 * Amt - 6.320e-002
Coef of Det (r^2) = 0.997136 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN050724.M
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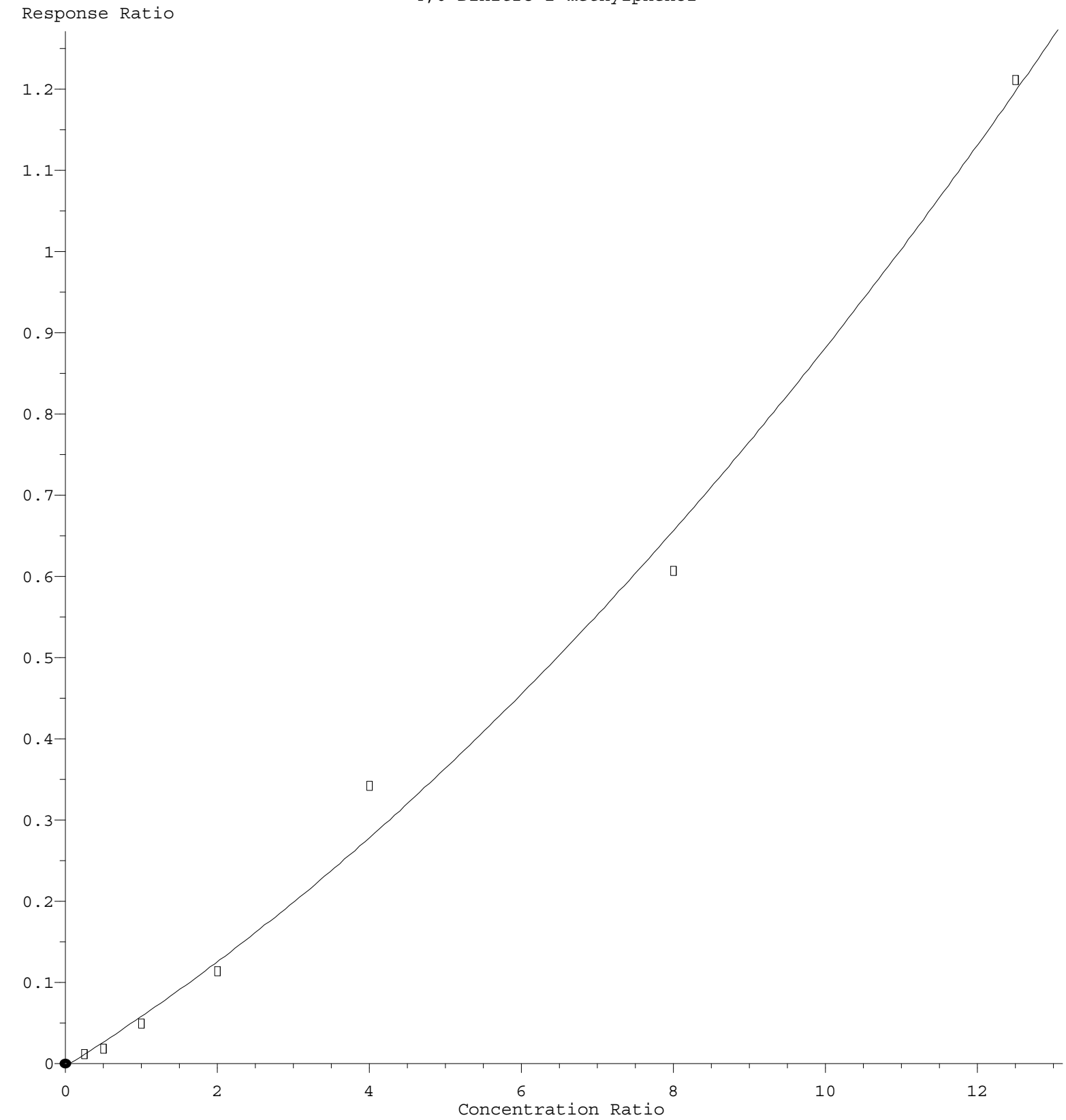
4,6-Dinitro-2-methylphenol



R = 3.021e-003 A*A + 5.827e-002 A - 3.253e-003
Coef of Det (r^2) = 0.994040 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN050724.M
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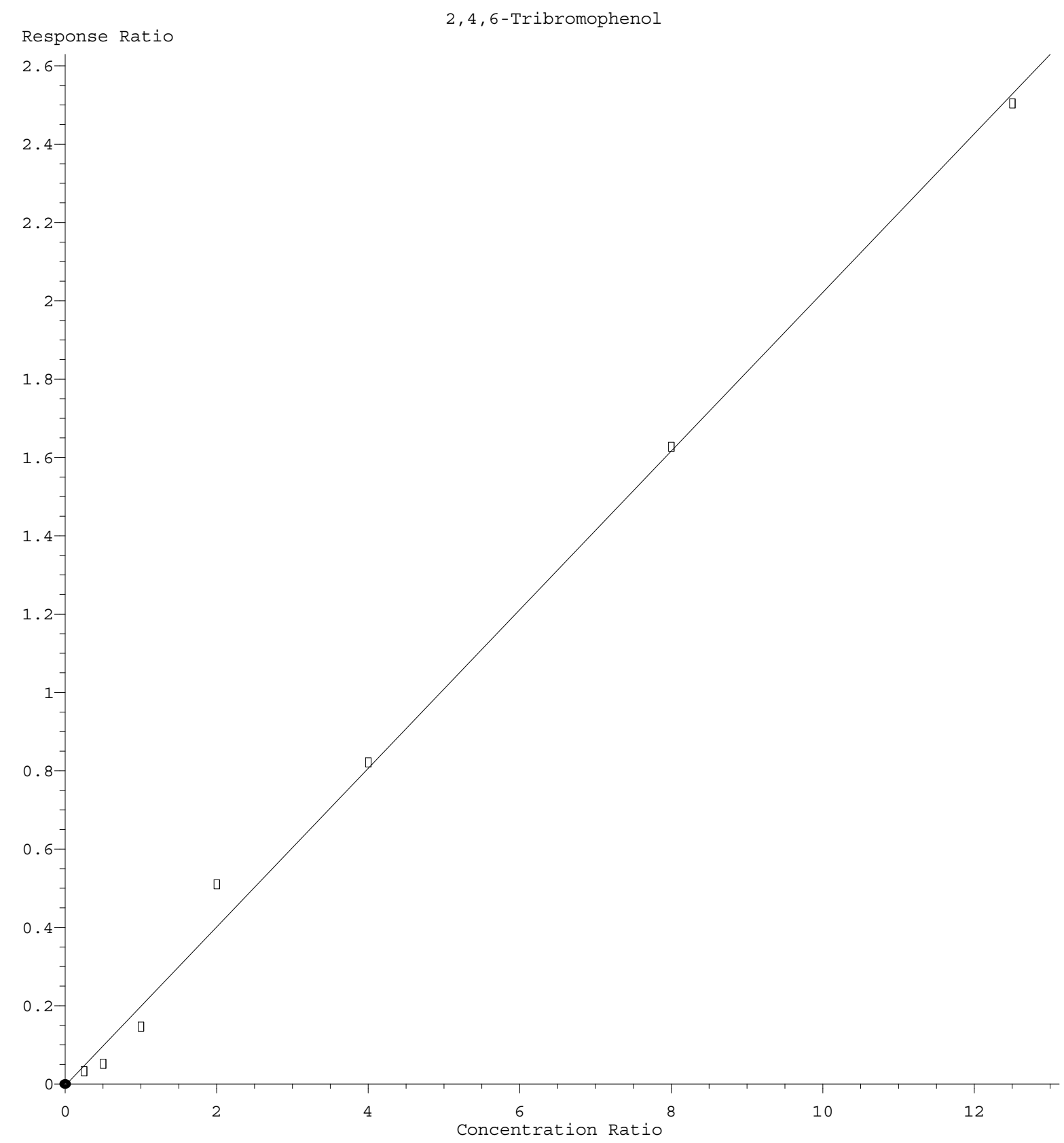

Response = 2.025e-001 * Amt - 3.812e-003
Coef of Det (r^2) = 0.996621 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN050724.M
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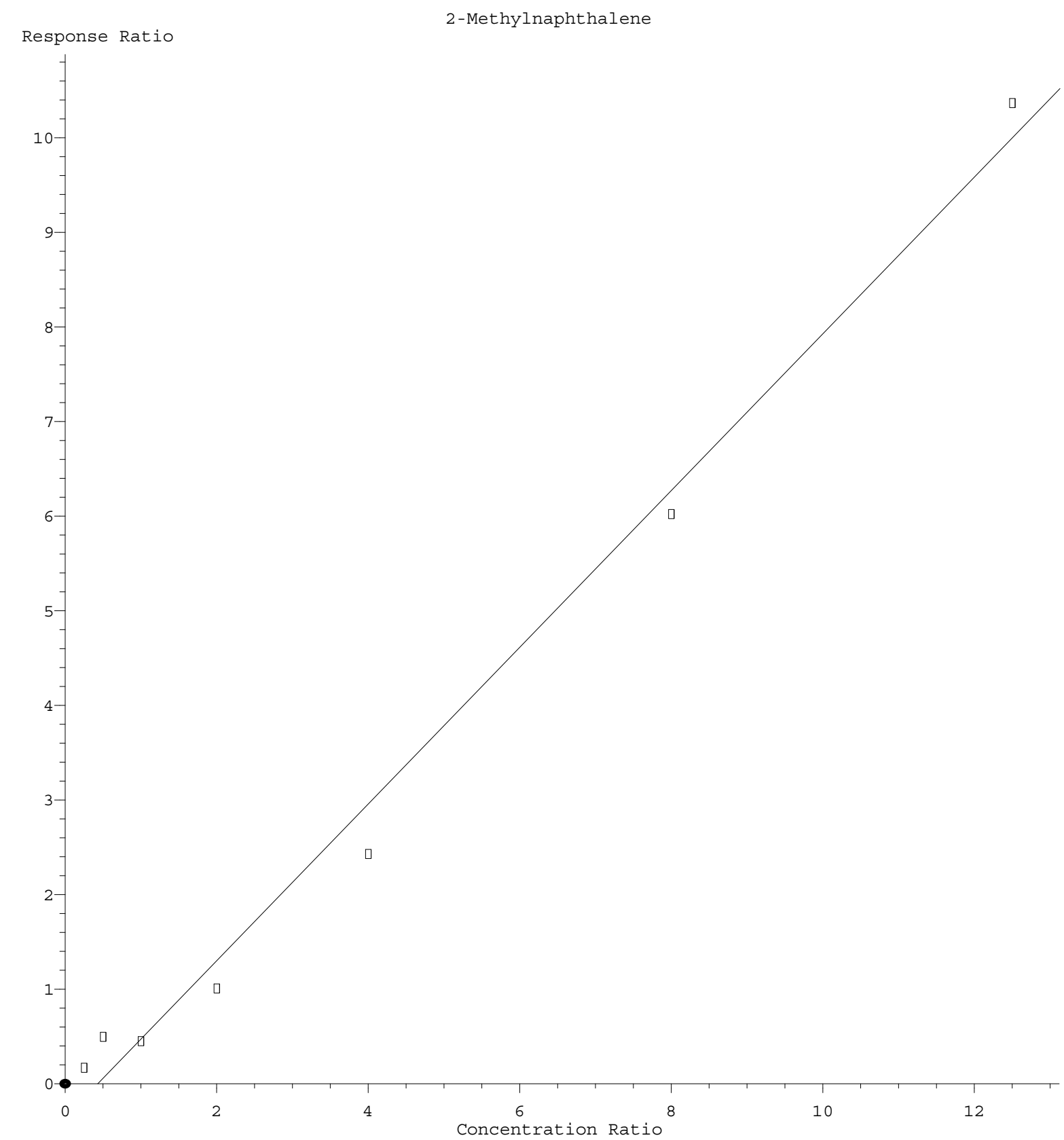

Response = 8.288e-001 * Amt - 3.537e-001
Coef of Det (r^2) = 0.990331 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN050724.M
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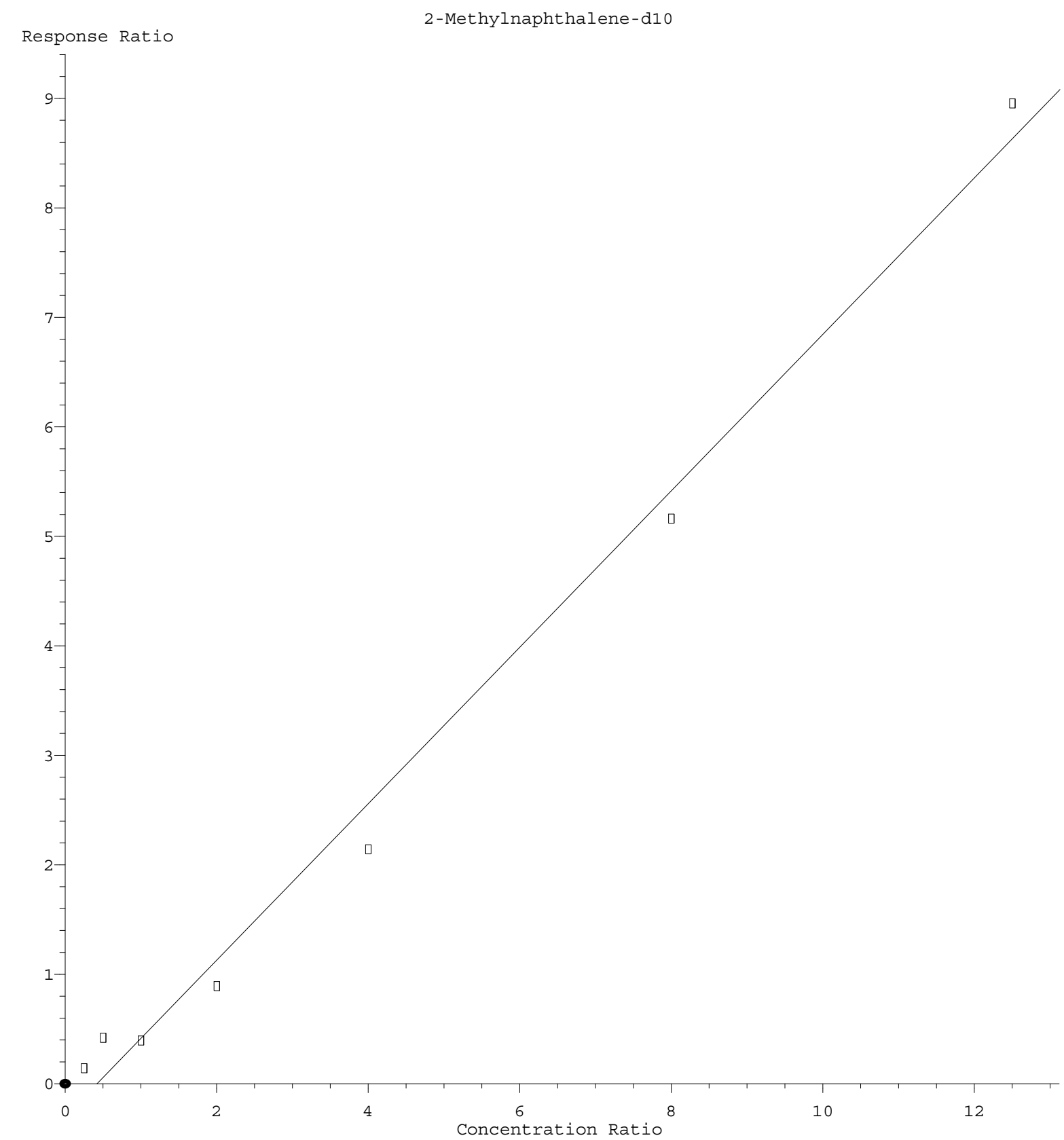

Response = 7.145e-001 * Amt - 2.972e-001
Coef of Det (r^2) = 0.990887 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN050724.M
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