Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN052523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri May 26 00:32:23 2023
Response Via : Initial Calibration

Calibration Files
0.1 =BN025590.D 0.2 =BN025591.D 0.4 =BN025592.D 0.8 =BN025593.D 1.6 =BN025594.D 3.2 =BN025595.D 5.0 =BN025596.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	0.544	0.532	0.506	0.506	0.405	0.431	0.442	0.481	11.27
3)		n-Nitrosodimet...		0.357	0.461	0.506	0.455	0.522	0.534	0.472	13.75
4)	S	2-Fluorophenol	1.213	1.181	1.082	1.104	0.854	0.921	0.974	1.047	12.85
5)	S	Phenol-d6	1.129	1.171	1.150	1.228	0.997	1.143	1.188	1.144	6.35
6)		bis(2-Chloroet...	0.851	1.823	1.366	1.227	1.043	1.137	1.092	1.220	25.39
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.255	0.263	0.286	0.317	0.278	0.331	0.374	0.301	14.09
9)		Naphthalene	1.145	1.113	1.104	1.118	0.943	1.079	1.142	1.092	6.35
10)		Hexachlorobuta...	0.213	0.205	0.197	0.199	0.164	0.186	0.202	0.195	8.12
11)	SURR	2-Methylnaphth...	0.513	0.533	0.552	0.569	0.501	0.580	0.589	0.548	6.15
12)		2-Methylnaphth...	0.691	0.698	0.721	0.748	0.664	0.769	0.773	0.723	5.74
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...		0.003	0.019	0.033	0.057	0.095	0.111	0.053	80.59
15)	S	2-Fluorobiphenyl	1.641	1.649	1.698	1.743	1.455	1.637	1.866	1.670	7.46
16)		Acenaphthylene	1.808	1.780	1.855	1.883	1.656	1.985	2.159	1.875	8.56
17)		Acenaphthene	1.236	1.219	1.268	1.262	1.089	1.240	1.333	1.235	6.00
18)		Fluorene	1.436	1.482	1.534	1.560	1.380	1.564	1.626	1.512	5.57
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.001	0.018	0.024	0.038	0.067	0.079	0.038	79.35
21)		4-Bromophenyl-...	0.207	0.214	0.231	0.241	0.202	0.239	0.260	0.228	9.14
22)		Hexachlorobenzene	0.242	0.223	0.217	0.223	0.182	0.214	0.231	0.219	8.51
23)		Atrazine	0.134	0.140	0.157	0.169	0.154	0.185	0.197	0.162	14.15
24)		Pentachlorophenol		0.001	0.001	0.001	0.019	0.049	0.062	0.022	121.45
25)		Phenanthrene	1.260	1.214	1.229	1.249	1.073	1.246	1.318	1.227	6.15
26)		Anthracene	0.976	1.000	1.079	1.116	0.979	1.168	1.261	1.083	9.94
27)	SURR	Fluoranthene-d10	0.860	0.860	0.843	0.887	0.792	0.898	0.966	0.872	6.17
28)		Fluoranthene	1.240	1.234	1.214	1.284	1.172	1.333	1.421	1.271	6.58
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.981	2.003	2.175	2.058	1.677	1.993	1.964	1.979	7.63
31)	S	Terphenyl-d14	0.889	0.771	0.843	0.829	0.683	0.766	0.821	0.800	8.33
32)		Benzo(a)anthra...	1.431	1.395	1.526	1.537	1.317	1.556	1.676	1.491	7.98
33)		Chrysene	1.665	1.646	1.646	1.683	1.385	1.578	1.690	1.613	6.64
34)		Bis(2-ethylhex...	1.136	1.132	0.920	0.968	0.766	0.874	1.005	0.971	13.81
35)	I	Perylene-d12	----------ISTD----------								

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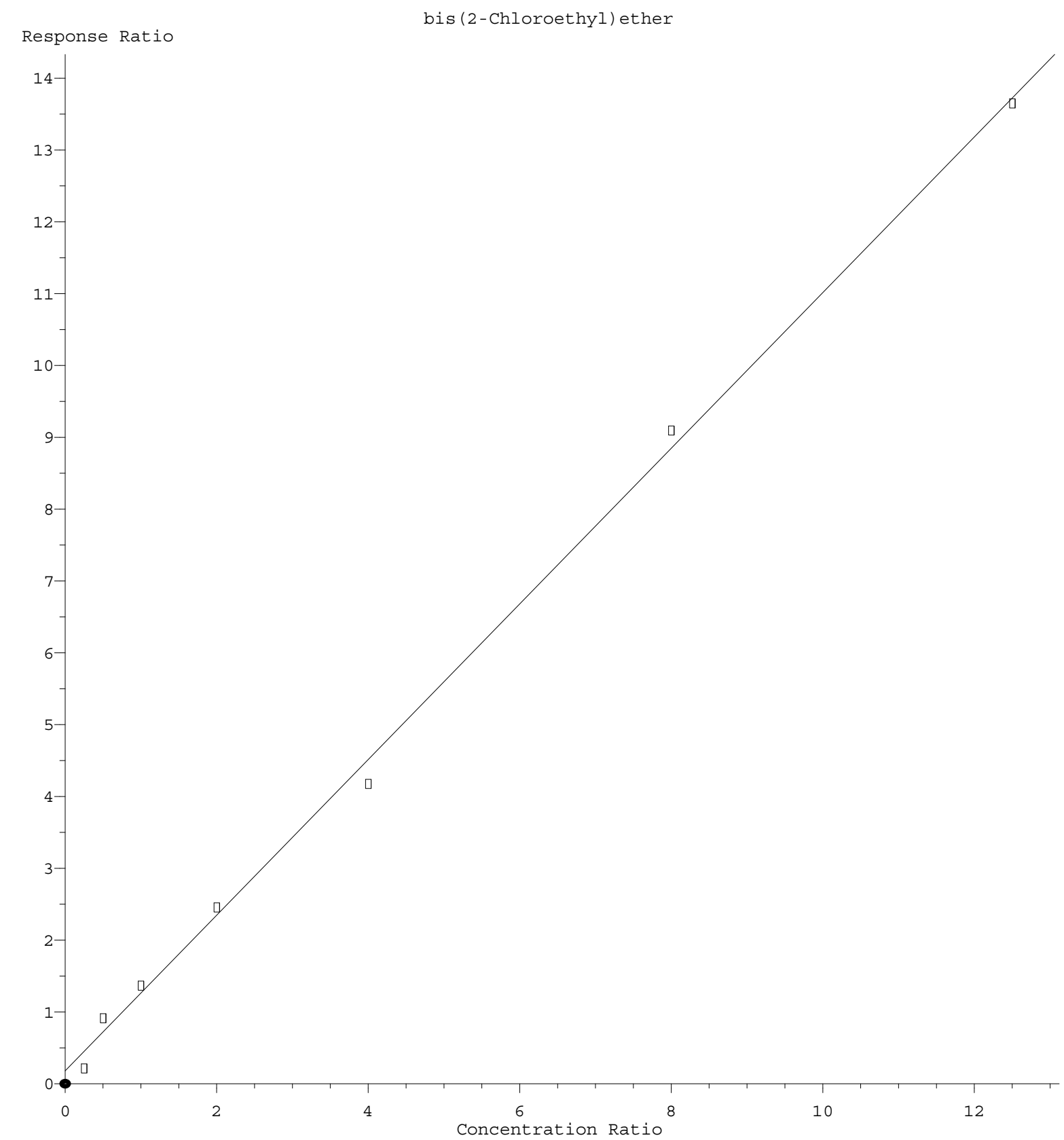
36)		Indeno(1,2,3-c...	1.624	1.709	1.766	1.789	1.389	1.710	1.963	1.707	10.26
37)		Benzo(b)fluora...	1.390	1.461	1.534	1.551	1.364	1.620	1.699	1.517	7.97
38)		Benzo(k)fluora...	1.383	1.430	1.625	1.654	1.421	1.618	1.734	1.552	8.87
39)	C	Benzo(a)pyrene	1.347	1.403	1.482	1.481	1.292	1.536	1.639	1.454	8.07
40)		Dibenzo(a,h)an...	1.280	1.235	1.413	1.403	1.103	1.368	1.588	1.341	11.48
41)		Benzo(g,h,i)pe...	1.544	1.558	1.581	1.586	1.208	1.449	1.665	1.513	9.85

(#) = Out of Range



Response = 1.084e+000 * Amt + 1.772e-001
Coef of Det (r^2) = 0.998025 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN052523.M
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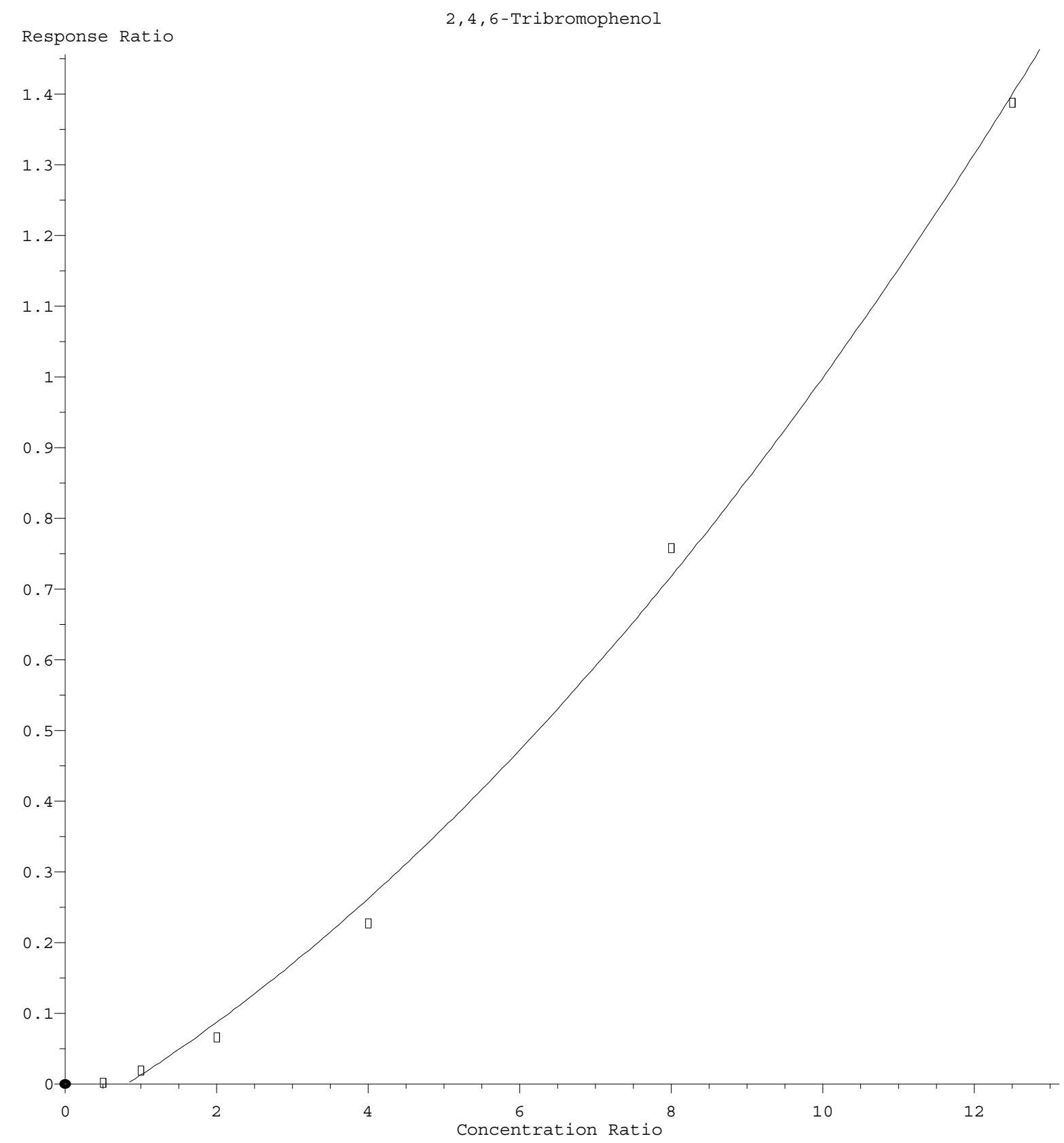
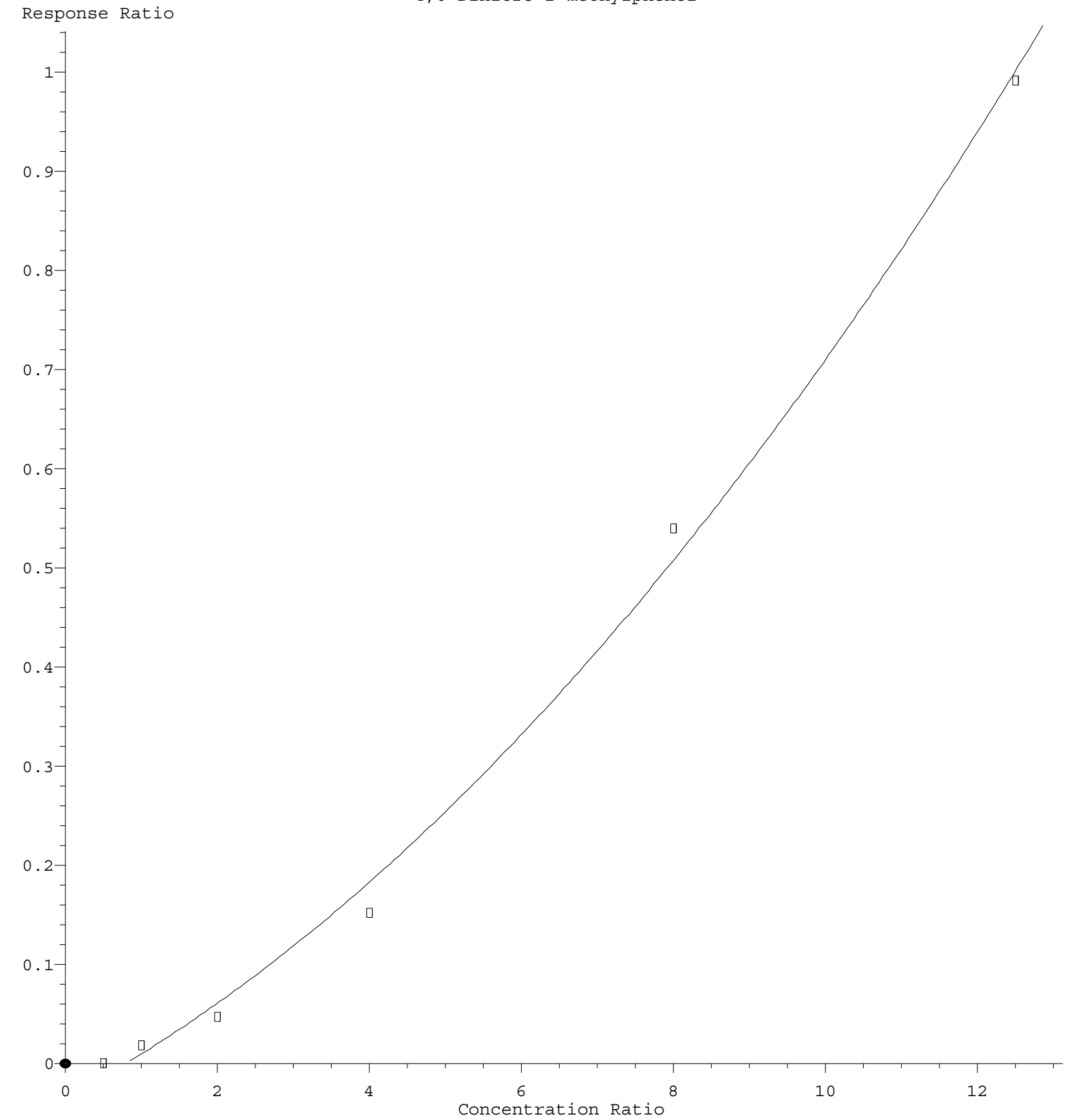
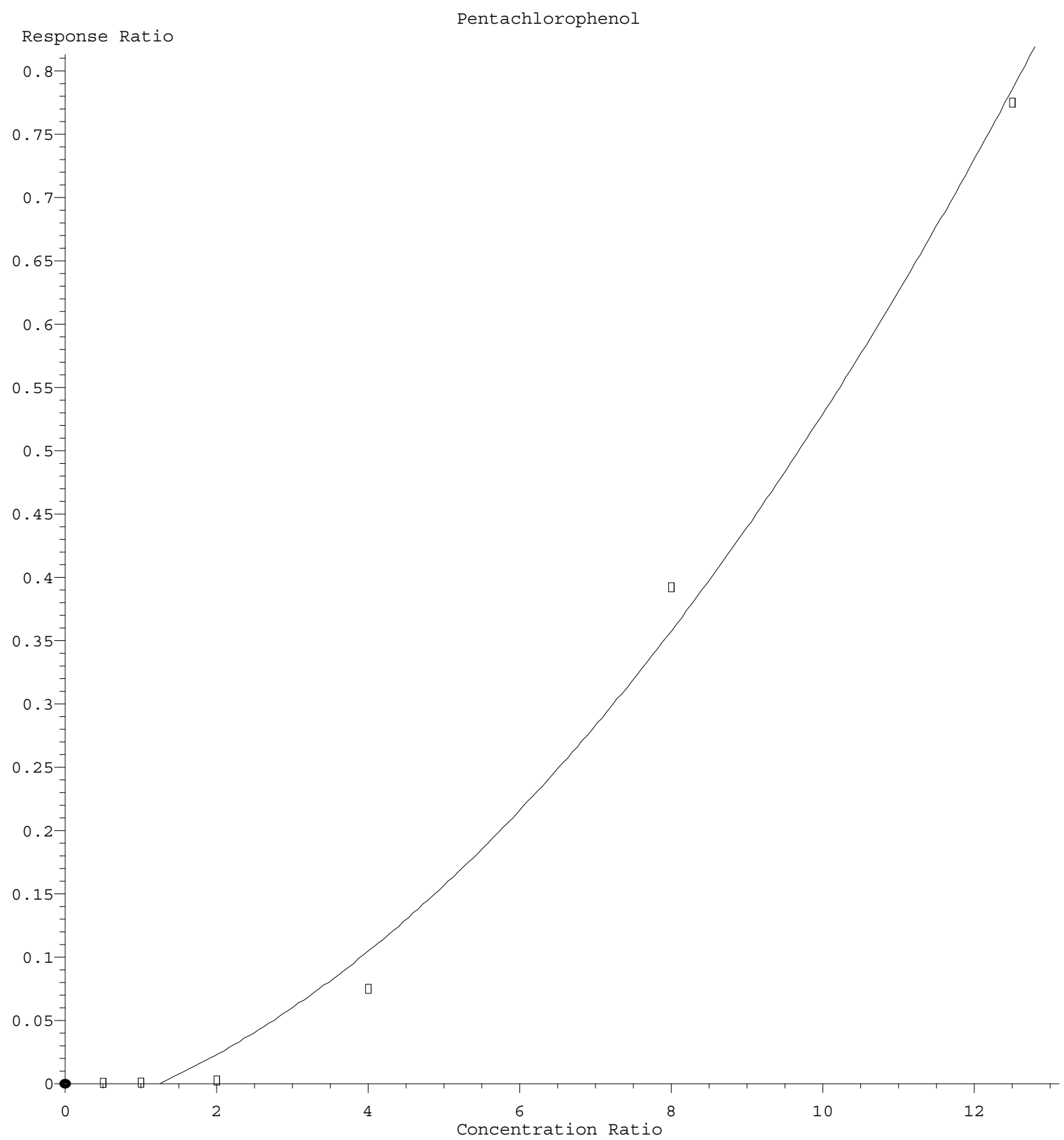


R = 4.413e-003 A*A + 6.102e-002 A - 5.250e-002
Coef of Det (r^2) = 0.997437 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN052523.M
Calibration Table Last Updated: Fri May 26 00:32:23 2023

4,6-Dinitro-2-methylphenol



R = 3.356e-003 A*A + 4.090e-002 A - 3.438e-002
Coef of Det (r^2) = 0.996802 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN052523.M
Calibration Table Last Updated: Fri May 26 00:32:23 2023



R = 3.746e-003 A*A + 1.830e-002 A - 2.846e-002
Coef of Det (r^2) = 0.993972 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN052523.M
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