

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN113023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Dec 01 00:28:34 2023
 Response Via : Initial Calibration

Calibration Files

0.1 =BN028910.D 0.2 =BN028911.D 0.4 =BN028912.D 0.8 =BN028913.D 1.6 =BN028914.D 3.2 =BN028915.D 5.0
 BN028916.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	0.314	0.366	0.387	0.412	0.445	0.422	0.396	0.392	10.90
3)	n-Nitrosodimet...		0.340	0.381	0.566	0.576	0.617	0.596	0.513	23.36
4) S	2-Fluorophenol	1.277	1.205	1.195	1.275	1.272	1.174	1.087	1.212	5.76
5) S	Phenol-d6	1.289	1.263	1.280	1.397	1.459	1.405	1.311	1.343	5.65
6)	bis(2-Chloroet...	1.011	0.995	1.038	1.237	1.273	1.222	1.136	1.130	10.29
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.399	0.377	0.380	0.402	0.422	0.414	0.389	0.398	4.20
9)	Naphthalene	1.329	1.270	1.257	1.305	1.326	1.257	1.153	1.271	4.75
10)	Hexachlorobuta...	0.308	0.274	0.262	0.255	0.258	0.240	0.220	0.260	10.62
11) SURR	2-Methylnaphth...	0.589	0.607	0.632	0.654	0.702	0.684	0.627	0.642	6.32
12)	2-Methylnaphth...	0.795	0.765	0.790	0.805	0.851	0.831	0.752	0.799	4.35
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.350	0.281	0.258	0.250	0.258	0.258	0.238	0.270	13.78
15) S	2-Fluorobiphenyl	1.663	1.687	1.709	1.820	1.828	1.760	1.625	1.728	4.51
16)	Acenaphthylene	2.118	2.071	2.015	2.120	2.210	2.211	2.088	2.119	3.39
17)	Acenaphthene	1.464	1.417	1.364	1.425	1.464	1.403	1.310	1.406	3.92
18)	Fluorene	1.682	1.678	1.662	1.898	1.903	1.872	1.768	1.780	6.14
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.093	0.076	0.081	0.087	0.091	0.094	0.093	0.088	8.03
21)	4-Bromophenyl-...	0.311	0.294	0.271	0.275	0.273	0.258	0.244	0.275	8.03
22)	Hexachlorobenzene	0.429	0.351	0.331	0.328	0.327	0.305	0.293	0.338	13.17
23)	Atrazine	0.250	0.251	0.242	0.229	0.247	0.236	0.232	0.241	3.68
24)	Pentachlorophenol	0.166	0.156	0.149	0.155	0.165	0.158	0.153	0.157	3.94
25)	Phenanthrene	1.460	1.358	1.250	1.309	1.350	1.297	1.221	1.321	5.97
26)	Anthracene	1.294	1.207	1.176	1.211	1.253	1.233	1.172	1.221	3.55
27) SURR	Fluoranthene-d10	1.124	0.957	0.956	0.977	1.101	1.122	1.129	1.052	7.99
28)	Fluoranthene	1.563	1.327	1.269	1.262	1.394	1.394	1.405	1.373	7.47
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.535	1.680	1.942	2.787	2.783	3.013	2.995	2.391	27.00
31) S	Terphenyl-d14		0.905	1.033	1.493	1.566	1.733	1.748	1.413	25.43
32)	Benzo(a)anthra...	1.507	1.659	1.617	1.767	1.845	1.822	1.688	1.701	7.06
33)	Chrysene	1.515	1.642	1.636	1.748	1.774	1.768	1.607	1.670	5.81
34)	Bis(2-ethylhex...		3.893	2.551	2.101	1.902	1.805		2.450	34.93
35) I	Perylene-d12	-----ISTD-----								

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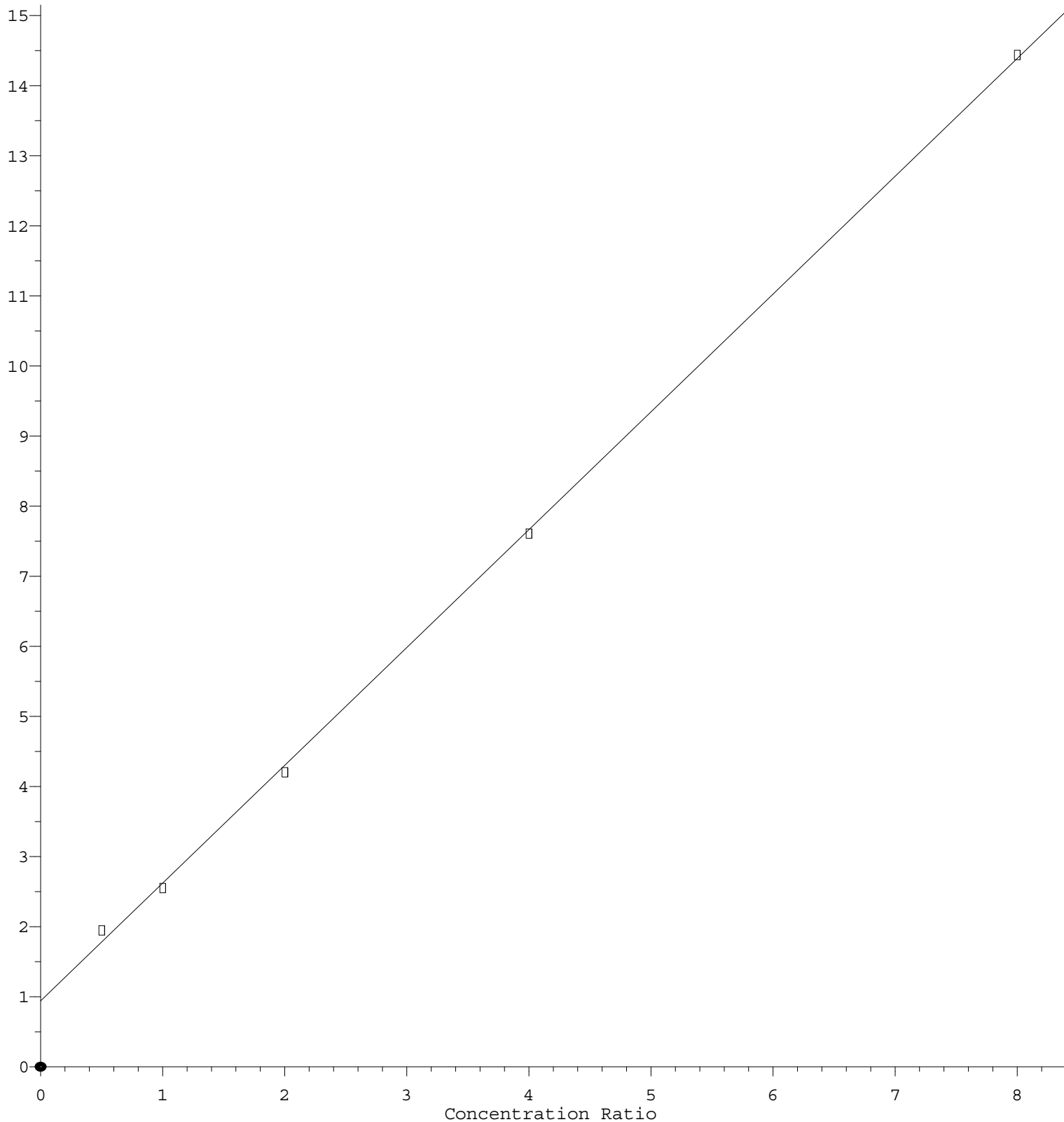
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36)	Indeno(1,2,3-c...	1.539	1.631	1.733	1.808	1.905	1.873	1.712	1.743	7.51
37)	Benzo(b)fluora...	1.637	1.570	1.591	1.681	1.696	1.695	1.585	1.636	3.35
38)	Benzo(k)fluora...	1.440	1.428	1.548	1.593	1.637	1.632	1.530	1.544	5.49
39) C	Benzo(a)pyrene	1.361	1.549	1.418	1.501	1.509	1.487	1.405	1.462	4.61
40)	Dibenzo(a,h)an...	1.097	1.264	1.328	1.405	1.493	1.495	1.362	1.349	10.33
41)	Benzo(g,h,i)pe...	1.383	1.468	1.527	1.549	1.644	1.597	1.452	1.517	5.91

(#) = Out of Range

Bis(2-ethylhexyl)phthalate

Response Ratio



$$\text{Response} = 1.681\text{e}+000 * \text{Amt} + 9.365\text{e}-001$$

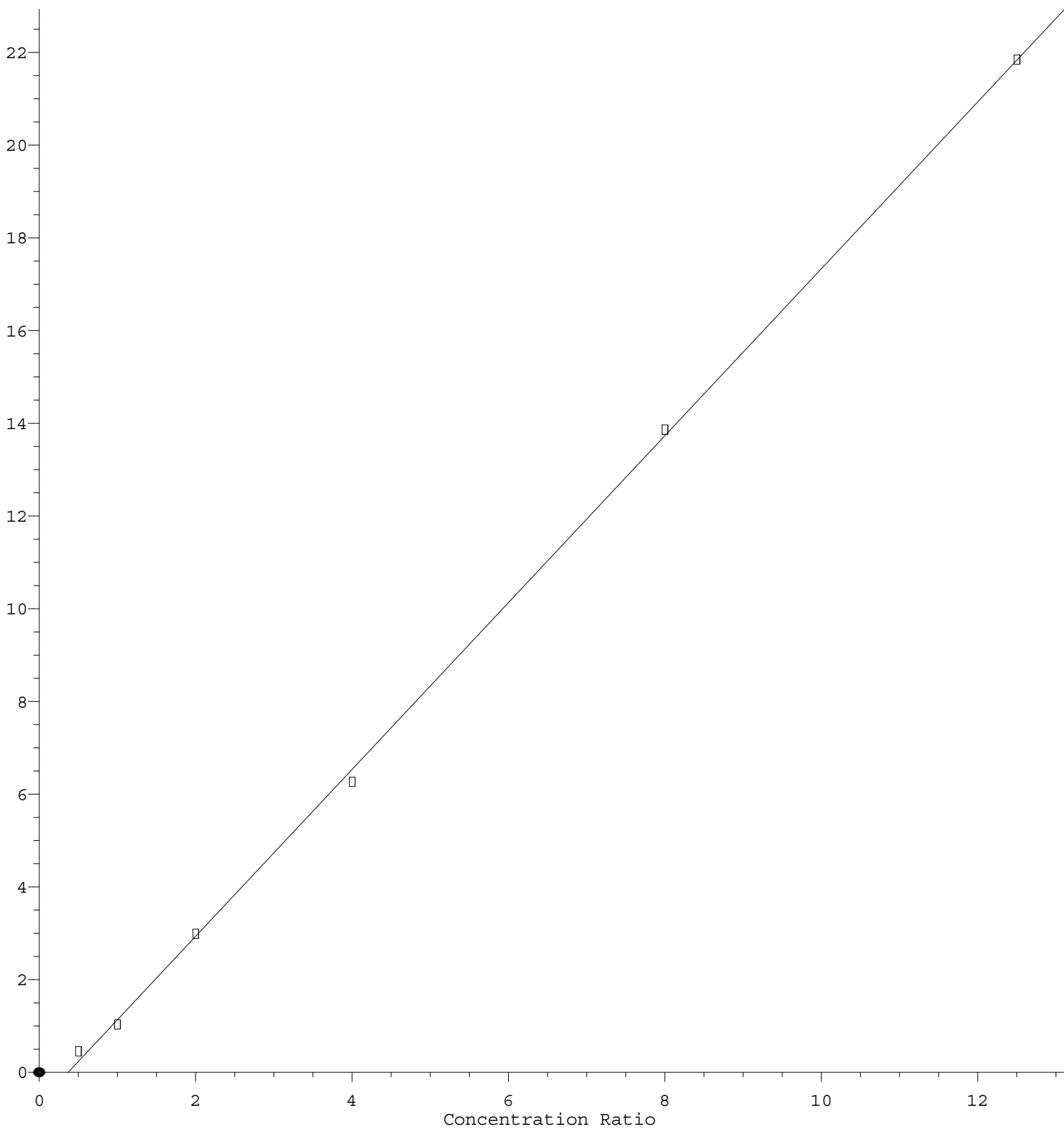
Coef of Det (r^2) = 0.999545 Curve Fit: Linear

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Terphenyl-d14

Response Ratio



$$\text{Response} = 1.800\text{e}+000 * \text{Amt} - 6.596\text{e}-001$$

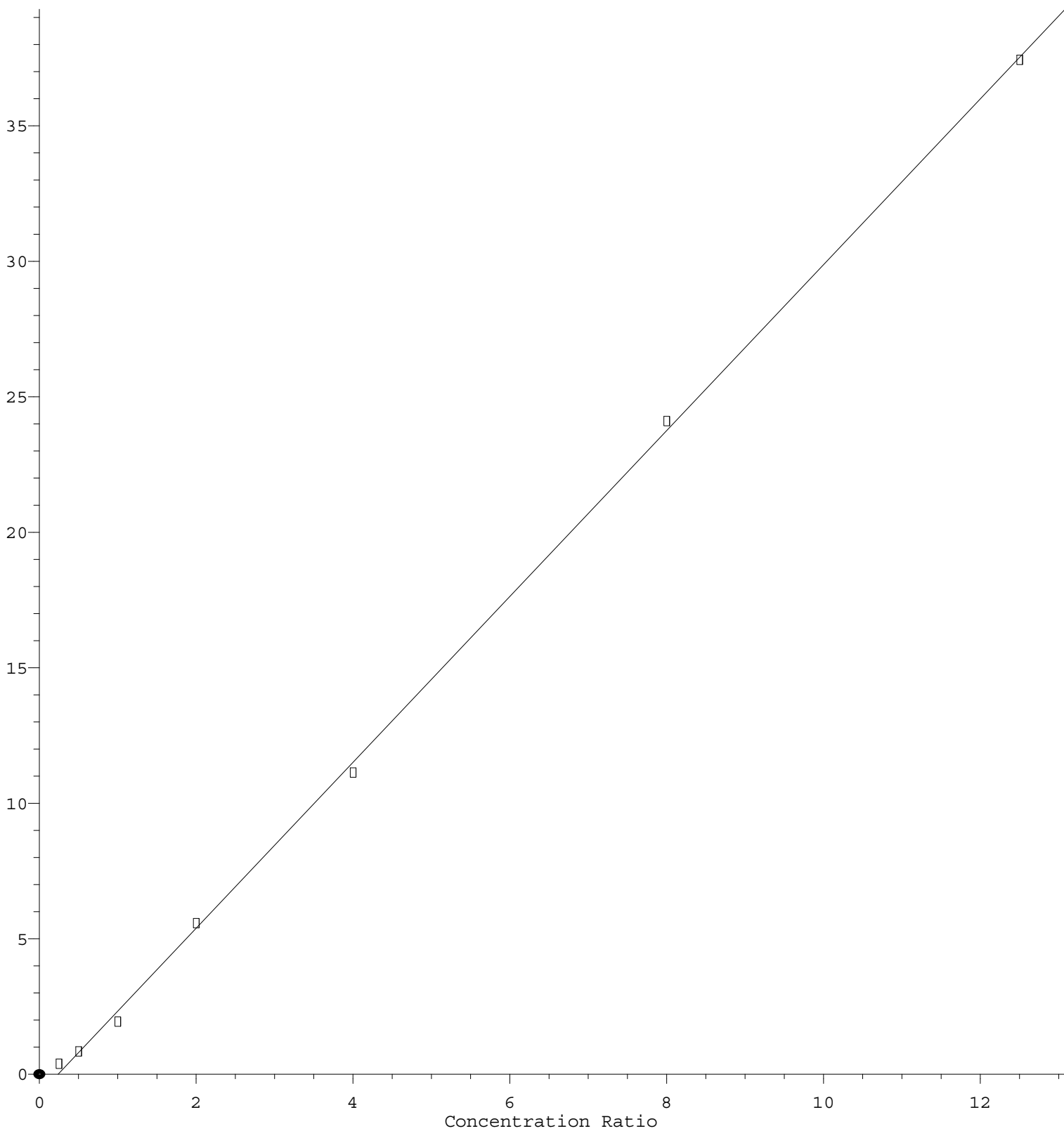
Coef of Det (r^2) = 0.999583 Curve Fit: Linear

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Pyrene

Response Ratio



$$\text{Response} = 3.060\text{e}+000 * \text{Amt} - 7.202\text{e}-001$$

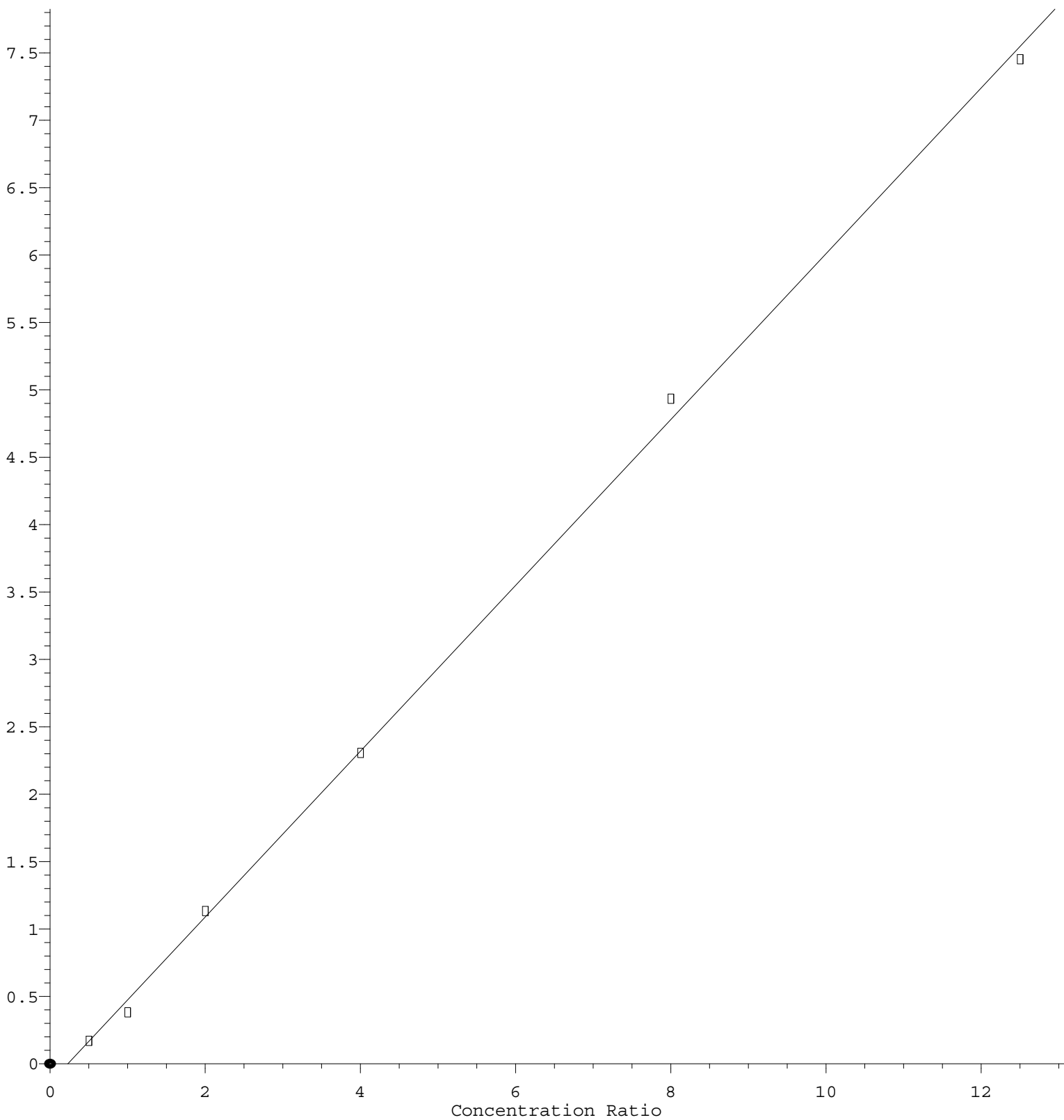
Coef of Det (r^2) = 0.999513 Curve Fit: Linear

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n-Nitrosodimethylamine

Response Ratio



$$\text{Response} = 6.149\text{e-}001 * \text{Amt} - 1.404\text{e-}001$$

Coef of Det (r^2) = 0.998962 Curve Fit: Linear

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