Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Jan 20 00:58:12 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF137107.D 5 =BF137108.D 10 =BF137109.D 20 =BF137110.D 40 =BF137111.D 50 =BF137112.D 60 =BF137113.D 80 =BF1371
14.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.643	0.626	0.664	0.624	0.585	0.596	0.573	0.616	5.30
3)		Pyridine		1.568	1.519	1.611	1.513	1.405	1.457	1.395	1.495	5.42
4)		n-Nitrosodimet...		0.861	0.812	0.852	0.847	0.805	0.835	0.814	0.832	2.67
5)	S	2-Fluorophenol		1.525	1.466	1.465	1.372	1.255	1.263	1.207	1.365	9.14
6)		Aniline		1.883	1.779	1.866	1.783	1.660	1.480	1.221	1.667	14.42
7)	S	Phenol-d6		1.918	1.815	1.847	1.711	1.582	1.609	1.510	1.713	8.91
8)		2-Chlorophenol		1.625	1.539	1.541	1.461	1.339	1.346	1.253	1.443	9.32
9)		Benzaldehyde			1.163	1.134	0.897	0.819	0.774		0.957	18.83
10)	C	Phenol		2.088	1.986	2.037	1.891	1.716	1.694	1.562	1.854	10.73
11)		bis(2-Chloroet...		1.565	1.480	1.514	1.452	1.365	1.561	1.344	1.469	6.01
12)		1,3-Dichlorobe...		1.766	1.700	1.685	1.606	1.462	1.474	1.407	1.586	8.75
13)	C	1,4-Dichlorobe...		1.795	1.704	1.718	1.610	1.471	1.484	1.395	1.597	9.39
14)		1,2-Dichlorobe...		1.723	1.611	1.610	1.489	1.342	1.346	1.238	1.480	11.98
15)		Benzyl Alcohol		1.328	1.308	1.331	1.269	1.159	1.173	1.084	1.236	7.88
16)		2,2'-oxybis(1-...		2.675	2.595	2.632	2.477	2.271	2.308	2.165	2.446	8.17
17)		2-Methylphenol		1.262	1.238	1.255	1.193	1.110	1.143	1.084	1.184	6.10
18)		Hexachloroethane		0.612	0.599	0.620	0.601	0.556	0.569	0.536	0.585	5.36
19)	P	n-Nitroso-di-n...	1.053	1.138	1.131	1.118	1.052	0.983	1.001	0.964	1.055	6.53
20)		3+4-Methylphenols		1.670	1.604	1.606	1.463	1.310	1.313	1.199	1.452	12.52
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.578	0.535	0.537	0.488	0.445	0.450	0.431	0.495	11.35
23)	S	Nitrobenzene-d5		0.310	0.327	0.370	0.368	0.351	0.366	0.356	0.350	6.49
24)		Nitrobenzene		0.366	0.370	0.405	0.401	0.375	0.385	0.368	0.382	4.13
25)		Isophorone		0.764	0.738	0.756	0.715	0.683	0.698	0.682	0.719	4.69
26)	C	2-Nitrophenol		0.089	0.108	0.141	0.152	0.151	0.161	0.159	0.137	20.31
27)		2,4-Dimethylph...		0.245	0.237	0.247	0.233	0.217	0.227	0.218	0.232	5.12
28)		bis(2-Chloroet...		0.481	0.452	0.469	0.440	0.405	0.409	0.397	0.436	7.60
29)	C	2,4-Dichloroph...		0.298	0.289	0.306	0.291	0.274	0.281	0.269	0.287	4.60
30)		1,2,4-Trichlor...		0.369	0.339	0.355	0.336	0.309	0.312	0.300	0.331	7.74
31)		Naphthalene		1.211	1.130	1.141	1.068	0.967	0.976	0.933	1.061	9.90
32)		Benzoic acid			0.141	0.188	0.213	0.221	0.232	0.237	0.205	17.55
33)		4-Chloroaniline		0.415	0.396	0.420	0.380	0.374	0.376	0.371	0.390	5.19
34)	C	Hexachlorobuta...		0.210	0.203	0.206	0.195	0.179	0.181	0.175	0.193	7.33
35)		Caprolactam		0.093	0.091	0.094	0.092	0.088	0.091	0.088	0.091	2.58
36)	C	4-Chloro-3-met...		0.327	0.320	0.332	0.316	0.301	0.305	0.293	0.313	4.53
37)		2-Methylnaphth...		0.765	0.729	0.731	0.675	0.621	0.617	0.589	0.675	10.08
38)		1-Methylnaphth...		0.757	0.706	0.712	0.653	0.602	0.612	0.567	0.659	10.49

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.649	0.624	0.622	0.587	0.542	0.552	0.522	0.585	8.23
41)	P	Hexachlorocycl...	0.208	0.212	0.233	0.242	0.225	0.233	0.222	0.225	5.41
42)	S	2,4,6-Tribromo...	0.204	0.204	0.204	0.194	0.182	0.189	0.179	0.194	5.64
43)	C	2,4,6-Trichlor...	0.388	0.392	0.404	0.390	0.367	0.374	0.353	0.381	4.52
44)		2,4,5-Trichlor...	0.441	0.428	0.439	0.425	0.392	0.402	0.380	0.415	5.76
45)	S	2-Fluorobiphenyl	1.628	1.515	1.432	1.310	1.176	1.167	1.099	1.333	14.94
46)		1,1'-Biphenyl	1.900	1.725	1.728	1.659	1.488	1.494	1.404	1.628	10.70
47)		2-Chloronaphth...	1.426	1.328	1.346	1.272	1.168	1.169	1.117	1.261	8.98
48)		2-Nitroaniline	0.216	0.278	0.343	0.369	0.361	0.378	0.373	0.331	18.52
49)		Acenaphthylene	1.985	1.910	1.912	1.833	1.666	1.688	1.575	1.796	8.53
50)		Dimethylphthalate	1.561	1.481	1.476	1.402	1.297	1.321	1.257	1.399	8.03
51)		2,6-Dinitrotol...	0.211	0.257	0.295	0.304	0.291	0.303	0.292	0.279	12.14
52)	C	Acenaphthene	1.357	1.289	1.293	1.230	1.126	1.149	1.090	1.219	8.20
53)		3-Nitroaniline	0.240	0.273	0.312	0.322	0.307	0.317	0.311	0.297	9.98
54)	P	2,4-Dinitrophenol		0.050	0.073	0.089	0.096	0.110	0.111	0.088	26.88
55)		Dibenzofuran	1.950	1.825	1.801	1.701	1.535	1.550	1.449	1.687	10.81
56)	P	4-Nitrophenol	0.192	0.223	0.252	0.263	0.249	0.257	0.253	0.241	10.40
57)		2,4-Dinitrotol...	0.217	0.283	0.354	0.375	0.366	0.377	0.363	0.334	18.20
58)		Fluorene	1.555	1.430	1.362	1.249	1.120	1.126	1.049	1.270	14.64
59)		2,3,4,6-Tetrac...	0.345	0.344	0.353	0.326	0.298	0.302	0.287	0.322	8.24
60)		Diethylphthalate	1.521	1.450	1.460	1.386	1.299	1.297	1.228	1.377	7.73
61)		4-Chlorophenyl...	0.753	0.708	0.663	0.599	0.545	0.539	0.508	0.616	15.15
62)		4-Nitroaniline	0.236	0.267	0.300	0.309	0.292	0.298	0.284	0.283	8.79
63)		Azobenzene	1.593	1.524	1.533	1.453	1.348	1.367	1.272	1.441	8.08
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.044	0.064	0.078	0.080	0.091	0.092	0.075	24.60
66)	c	n-Nitrosodiphe...	0.701	0.669	0.682	0.645	0.582	0.613	0.577	0.639	7.63
67)		4-Bromophenyl-...	0.233	0.226	0.228	0.219	0.199	0.208	0.199	0.216	6.44
68)		Hexachlorobenzene	0.265	0.255	0.262	0.242	0.226	0.236	0.221	0.244	7.16
69)		Atrazine	0.194	0.183	0.160	0.137	0.091	0.076	0.057	0.128	42.30
70)	C	Pentachlorophenol	0.135	0.149	0.159	0.152	0.139	0.142	0.134	0.144	6.51
71)		Phenanthrene	1.228	1.139	1.153	1.069	0.961	0.987	0.923	1.066	10.60
72)		Anthracene	1.181	1.133	1.161	1.079	0.964	0.987	0.927	1.062	9.65
73)		Carbazole	1.102	1.037	1.058	0.971	0.861	0.882	0.829	0.963	11.11
74)		Di-n-butylphth...	1.188	1.161	1.213	1.134	1.021	1.038	0.972	1.104	8.42
75)	C	Fluoranthene	1.268	1.190	1.200	1.084	0.964	0.977	0.915	1.086	12.63
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.247	0.126	0.060	0.290	0.266	0.179	0.245	0.202	41.47
78)		Pyrene	1.909	1.877	2.035	2.098	2.013	2.055	1.990	1.997	3.95
79)	S	Terphenyl-d14	1.450	1.400	1.439	1.428	1.358	1.372	1.348	1.399	2.93
80)		Butylbenzylpht...	0.517	0.550	0.646	0.689	0.689	0.719	0.715	0.646	12.58
81)		Benzo(a)anthra...	1.532	1.447	1.545	1.494	1.452	1.497	1.429	1.485	2.96
82)		3,3'-Dichlorob...	0.389	0.367	0.389	0.369	0.338	0.350	0.348	0.364	5.51
83)		Chrysene	1.477	1.400	1.474	1.454	1.365	1.455	1.424	1.436	2.88
84)		Bis(2-ethylhex...	0.671	0.674	0.793	0.843	0.817	0.853	0.849	0.786	10.19
85)	c	Di-n-octyl pht...		0.893	1.144	1.298	1.321	1.474	1.479	1.268	17.52

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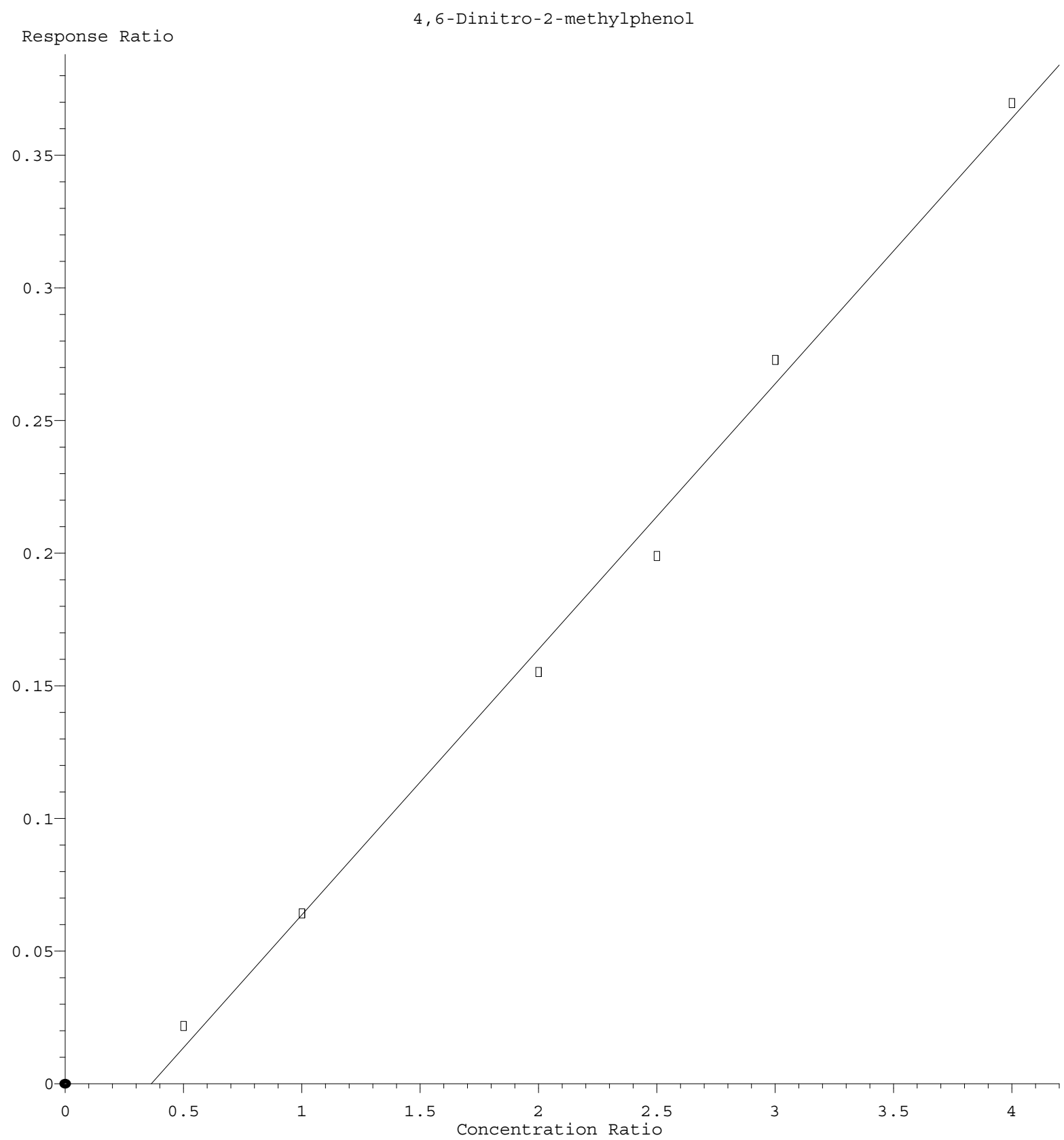
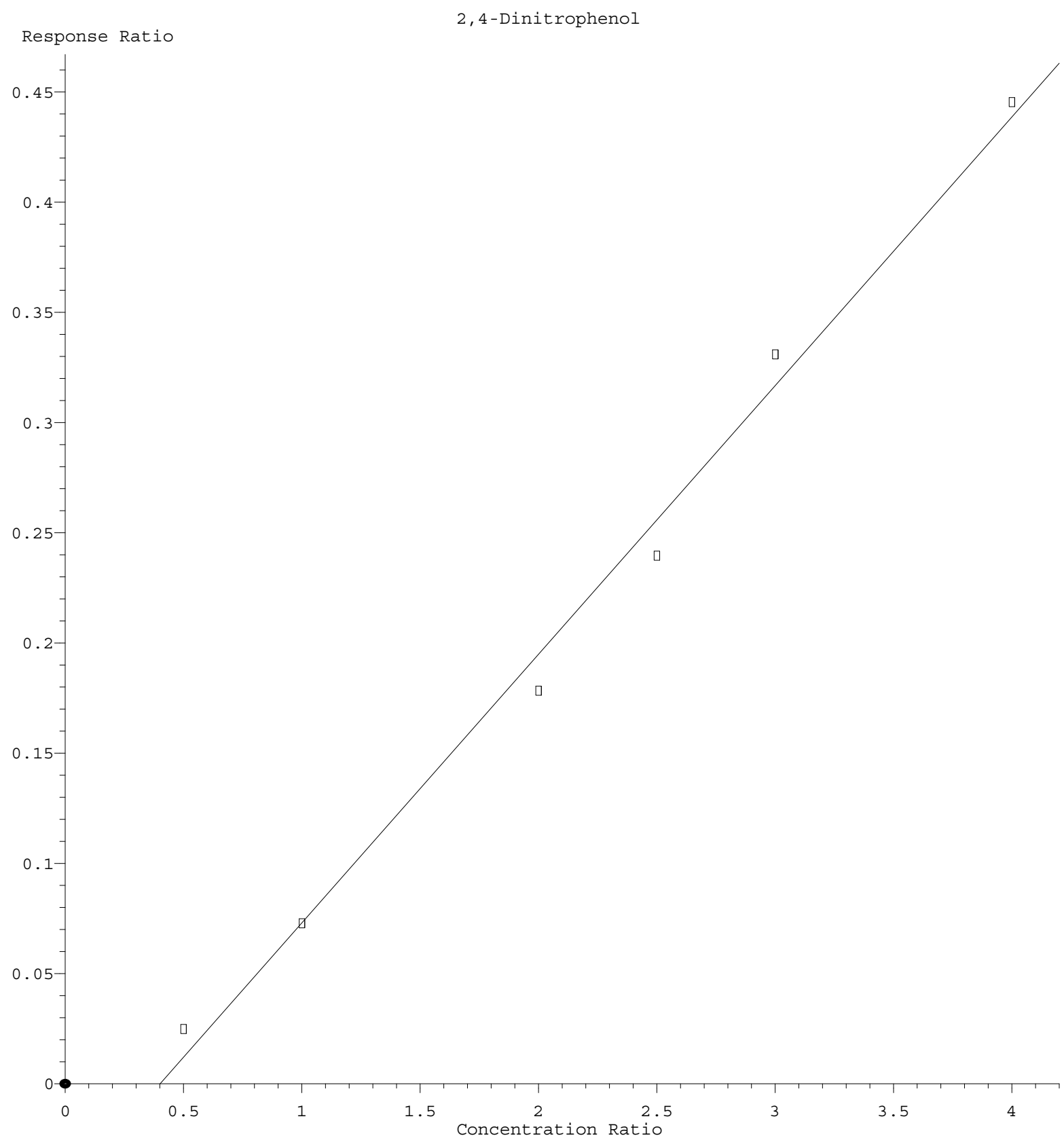
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.147	1.136	1.356	1.513	1.423	1.459	1.426	1.351	11.18
88)		Benzo(b)fluora...	1.397	1.373	1.325	1.285	1.179	1.182	1.168	1.272	7.63
89)		Benzo(k)fluora...	1.269	1.247	1.258	1.137	1.101	1.140	0.992	1.163	8.71
90)	C	Benzo(a)pyrene	1.089	1.043	1.083	1.070	1.016	1.049	0.999	1.050	3.22
91)		Dibenzo(a,h)an...	0.967	0.943	1.138	1.245	1.155	1.175	1.145	1.110	10.04
92)		Benzo(g,h,i)pe...	0.976	0.951	1.167	1.307	1.218	1.246	1.218	1.155	11.87

(#) = Out of Range



Response = 1.001e-001 * Amt - 3.649e-002
Coef of Det (r^2) = 0.994345 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011924.M
Calibration Table Last Updated: Sat Jan 20 00:58:12 2024



Response = 1.219e-001 * Amt - 4.889e-002
Coef of Det (r^2) = 0.992430 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011924.M
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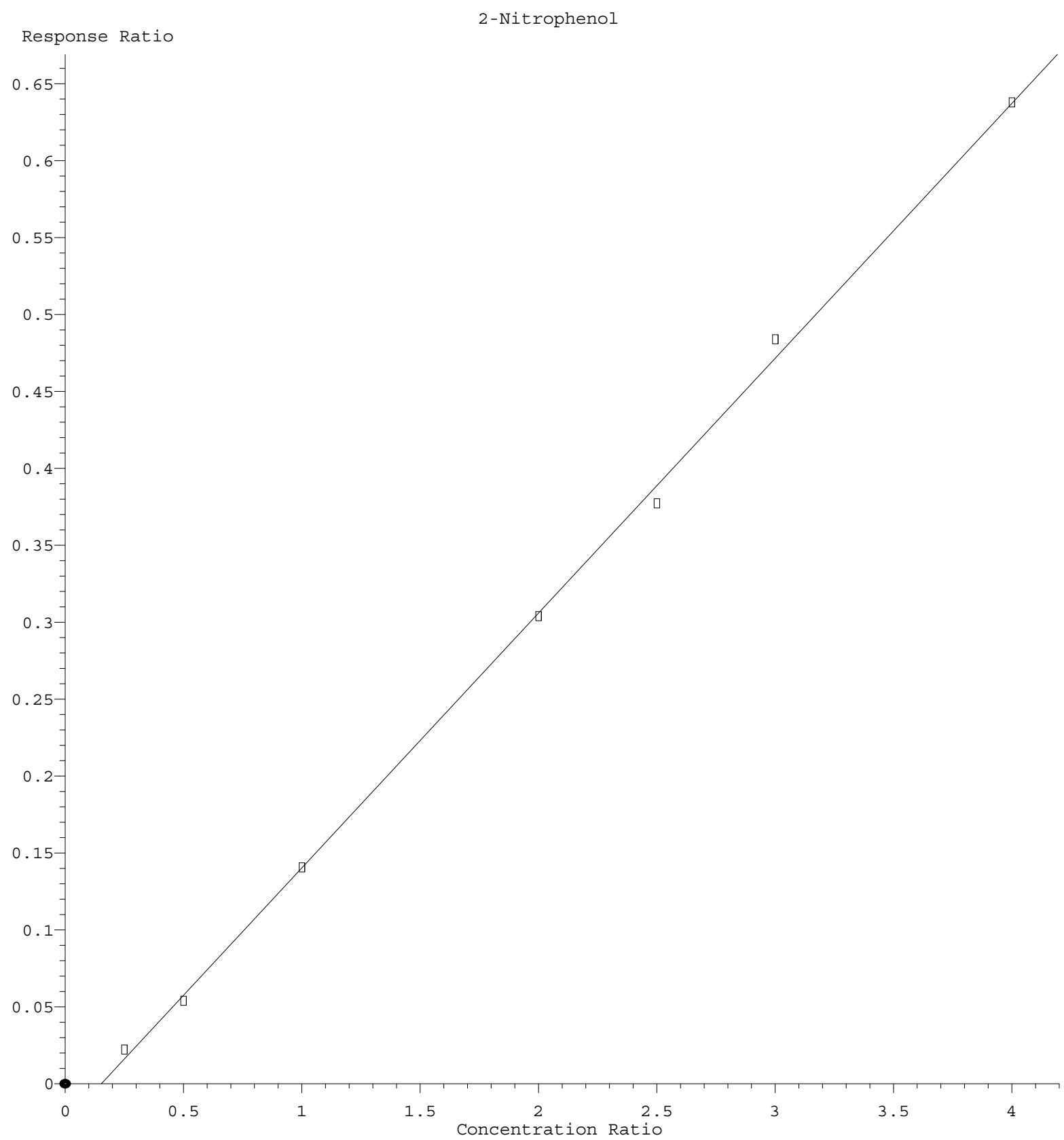

Response = 1.658e-001 * Amt - 2.535e-002
Coef of Det (r^2) = 0.998927 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF011924.M
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