Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 21 01:54:25 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136641.D 5 =BF136642.D 10 =BF136643.D 20 =BF136644.D 40 =BF136645.D 50 =BF136646.D 60 =BF136647.D 80 =BF1366
48.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.574	0.559	0.558	0.520	0.506	0.523	0.499	0.534	5.47
3)		Pyridine		1.291	1.358	1.339	1.317	1.279	1.310	1.226	1.303	3.32
4)		n-Nitrosodimet...		0.699	0.672	0.713	0.715	0.687	0.709	0.677	0.696	2.51
5)	S	2-Fluorophenol		1.352	1.364	1.358	1.291	1.216	1.235	1.157	1.282	6.34
6)		Aniline		1.820	1.749	1.774	1.679	1.552	1.571	1.478	1.661	7.76
7)	S	Phenol-d6		1.780	1.725	1.741	1.669	1.589	1.617	1.505	1.661	5.82
8)		2-Chlorophenol		1.495	1.451	1.498	1.418	1.326	1.360	1.271	1.403	6.20
9)		Benzaldehyde		1.123	1.062	1.041	0.933	0.850	0.854	0.751	0.945	14.32
10)	C	Phenol		1.929	1.859	1.870	1.770	1.654	1.721	1.607	1.773	6.73
11)		bis(2-Chloroet...		1.393	1.403	1.435	1.366	1.285	1.313	1.243	1.348	5.16
12)		1,3-Dichlorobe...		1.617	1.583	1.608	1.544	1.456	1.490	1.414	1.530	5.13
13)	C	1,4-Dichlorobe...		1.694	1.631	1.646	1.571	1.473	1.517	1.413	1.564	6.46
14)		1,2-Dichlorobe...		1.599	1.533	1.551	1.460	1.367	1.390	1.284	1.455	7.81
15)		Benzyl Alcohol		1.137	1.156	1.217	1.145	1.077	1.093	1.020	1.121	5.66
16)		2,2'-oxybis(1-...		2.360	2.272	2.324	2.237	2.103	2.134	2.002	2.205	5.87
17)		2-Methylphenol		1.291	1.198	1.200	1.158	1.103	1.119	1.065	1.162	6.49
18)		Hexachloroethane		0.608	0.581	0.598	0.568	0.547	0.556	0.516	0.568	5.52
19)	P	n-Nitroso-di-n...	1.012	1.090	1.051	1.056	1.001	0.939	0.983	0.923	1.007	5.74
20)		3+4-Methylphenols		1.620	1.556	1.548	1.450	1.342	1.370	1.277	1.452	8.79
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.548	0.505	0.528	0.510	0.466	0.487	0.466	0.501	6.14
23)	S	Nitrobenzene-d5		0.406	0.388	0.406	0.404	0.370	0.388	0.374	0.391	3.86
24)		Nitrobenzene		0.402	0.389	0.402	0.409	0.375	0.391	0.372	0.392	3.58
25)		Isophorone		0.735	0.712	0.732	0.728	0.679	0.706	0.688	0.711	3.08
26)	C	2-Nitrophenol		0.181	0.178	0.196	0.198	0.180	0.192	0.185	0.187	4.35
27)		2,4-Dimethylph...		0.224	0.225	0.240	0.235	0.220	0.233	0.219	0.228	3.62
28)		bis(2-Chloroet...		0.451	0.433	0.441	0.450	0.411	0.425	0.416	0.432	3.61
29)	C	2,4-Dichloroph...		0.301	0.294	0.309	0.304	0.282	0.290	0.276	0.294	4.03
30)		1,2,4-Trichlor...		0.341	0.328	0.346	0.337	0.310	0.321	0.307	0.327	4.60
31)		Naphthalene		1.191	1.111	1.138	1.126	1.033	1.077	1.017	1.099	5.57
32)		Benzoic acid		0.171	0.180	0.227	0.246	0.231	0.248	0.242	0.221	14.37
33)		4-Chloroaniline		0.430	0.410	0.427	0.417	0.382	0.392	0.381	0.406	5.08
34)	C	Hexachlorobuta...		0.212	0.200	0.207	0.203	0.188	0.195	0.186	0.199	4.90
35)		Caprolactam		0.102	0.099	0.095	0.101	0.092	0.096	0.092	0.097	4.07
36)	C	4-Chloro-3-met...		0.345	0.332	0.347	0.340	0.315	0.324	0.311	0.331	4.31
37)		2-Methylnaphth...		0.776	0.735	0.740	0.720	0.657	0.676	0.646	0.707	6.83
38)		1-Methylnaphth...		0.764	0.716	0.739	0.701	0.641	0.661	0.635	0.694	7.15

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.634	0.653	0.634	0.571	0.614	0.574	0.619	5.64
41)	P	Hexachlorocycl...		0.111	0.159	0.182	0.186	0.198	0.197	0.172	19.18
42)	S	2,4,6-Tribromo...	0.253	0.249	0.253	0.240	0.216	0.226	0.211	0.236	7.47
43)	C	2,4,6-Trichlor...	0.404	0.397	0.414	0.409	0.378	0.400	0.379	0.397	3.46
44)		2,4,5-Trichlor...	0.456	0.457	0.454	0.455	0.413	0.444	0.420	0.443	4.24
45)	S	2-Fluorobiphenyl	1.709	1.599	1.587	1.474	1.338	1.420	1.282	1.487	10.31
46)		1,1'-Biphenyl	1.823	1.763	1.777	1.681	1.555	1.636	1.512	1.678	6.98
47)		2-Chloronaphth...	1.405	1.312	1.331	1.289	1.182	1.248	1.164	1.276	6.65
48)		2-Nitroaniline	0.399	0.410	0.413	0.409	0.382	0.401	0.384	0.400	3.08
49)		Acenaphthylene	2.105	2.052	2.068	1.984	1.793	1.899	1.750	1.950	7.15
50)		Dimethylphthalate	1.563	1.517	1.522	1.463	1.373	1.432	1.355	1.461	5.38
51)		2,6-Dinitrotol...	0.344	0.334	0.352	0.339	0.314	0.331	0.307	0.332	4.88
52)	C	Acenaphthene	1.324	1.287	1.259	1.215	1.115	1.167	1.093	1.209	7.23
53)		3-Nitroaniline	0.369	0.364	0.371	0.364	0.325	0.344	0.321	0.351	6.05
54)	P	2,4-Dinitrophenol		0.119	0.153	0.184	0.169	0.185	0.183	0.165	15.68
55)		Dibenzofuran	2.080	1.962	1.961	1.835	1.663	1.739	1.587	1.832	9.77
56)	P	4-Nitrophenol	0.214	0.234	0.244	0.252	0.237	0.245	0.234	0.237	5.20
57)		2,4-Dinitrotol...	0.451	0.459	0.466	0.446	0.394	0.416	0.381	0.430	7.83
58)		Fluorene	1.644	1.599	1.548	1.451	1.309	1.364	1.263	1.454	10.19
59)		2,3,4,6-Tetrac...	0.338	0.344	0.375	0.356	0.327	0.335	0.311	0.341	6.05
60)		Diethylphthalate	1.660	1.616	1.590	1.539	1.395	1.456	1.353	1.516	7.69
61)		4-Chlorophenyl...	0.818	0.766	0.752	0.711	0.638	0.660	0.603	0.707	10.89
62)		4-Nitroaniline	0.385	0.376	0.346	0.333	0.307	0.320	0.303	0.339	9.60
63)		Azobenzene	1.513	1.493	1.511	1.421	1.306	1.378	1.288	1.416	6.72
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.099	0.120	0.130	0.117	0.128	0.125	0.115	14.61
66)	c	n-Nitrosodiphe...	0.689	0.666	0.676	0.675	0.602	0.638	0.601	0.650	5.59
67)		4-Bromophenyl-...	0.237	0.226	0.232	0.229	0.209	0.216	0.206	0.222	5.33
68)		Hexachlorobenzene	0.257	0.255	0.263	0.255	0.229	0.242	0.231	0.248	5.45
69)		Atrazine	0.196	0.188	0.165	0.144	0.140	0.164		0.166	13.77
70)	C	Pentachlorophenol	0.089	0.111	0.121	0.130	0.118	0.122	0.118	0.115	11.33
71)		Phenanthrene	1.121	1.090	1.075	1.062	0.941	0.974	0.920	1.026	7.75
72)		Anthracene	1.155	1.088	1.094	1.059	0.953	0.997	0.928	1.039	7.92
73)		Carbazole	1.081	1.047	1.037	1.004	0.899	0.919	0.871	0.980	8.40
74)		Di-n-butylphth...	1.284	1.281	1.263	1.225	1.108	1.146	1.062	1.196	7.53
75)	C	Fluoranthene	1.272	1.217	1.161	1.119	0.983	1.005	0.929	1.098	11.73
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.709	0.595	0.664	0.560	0.556	0.585	0.460	0.590	13.58
78)		Pyrene	1.907	1.886	2.058	2.047	1.908	1.994	1.943	1.963	3.58
79)	S	Terphenyl-d14	1.491	1.447	1.509	1.486	1.348	1.399	1.338	1.431	4.91
80)		Butylbenzylpht...	0.679	0.678	0.748	0.755	0.698	0.730	0.712	0.714	4.39
81)		Benzo(a)anthra...	1.501	1.419	1.435	1.428	1.296	1.344	1.298	1.389	5.58
82)		3,3'-Dichlorob...	0.405	0.397	0.419	0.395	0.374	0.396	0.375	0.394	4.01
83)		Chrysene	1.441	1.384	1.424	1.373	1.262	1.343	1.281	1.358	4.99
84)		Bis(2-ethylhex...	0.849	0.869	0.929	0.946	0.891	0.917	0.892	0.899	3.79
85)	c	Di-n-octyl pht...	1.242	1.271	1.379	1.452	1.424	1.504	1.460	1.390	7.14

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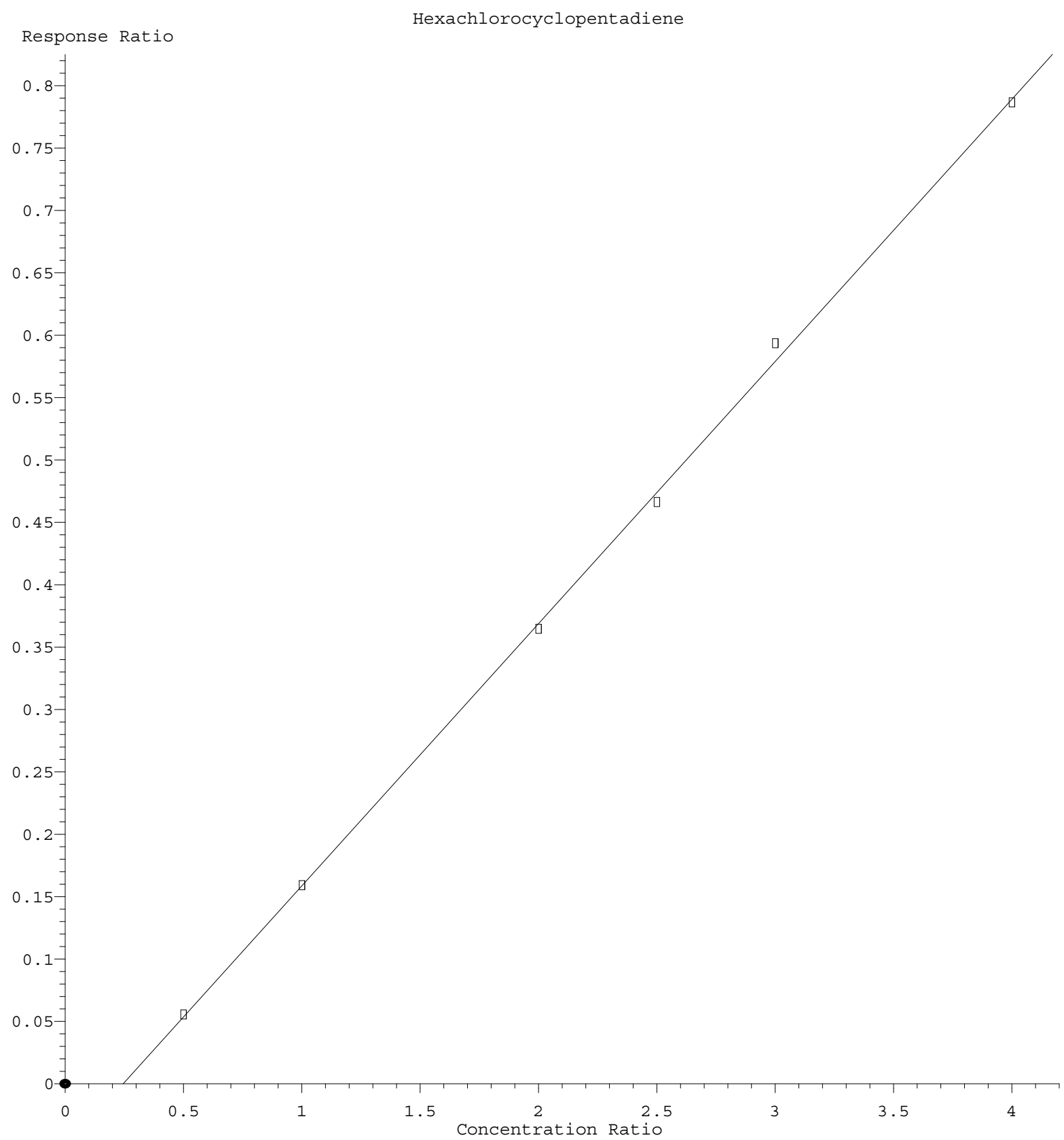
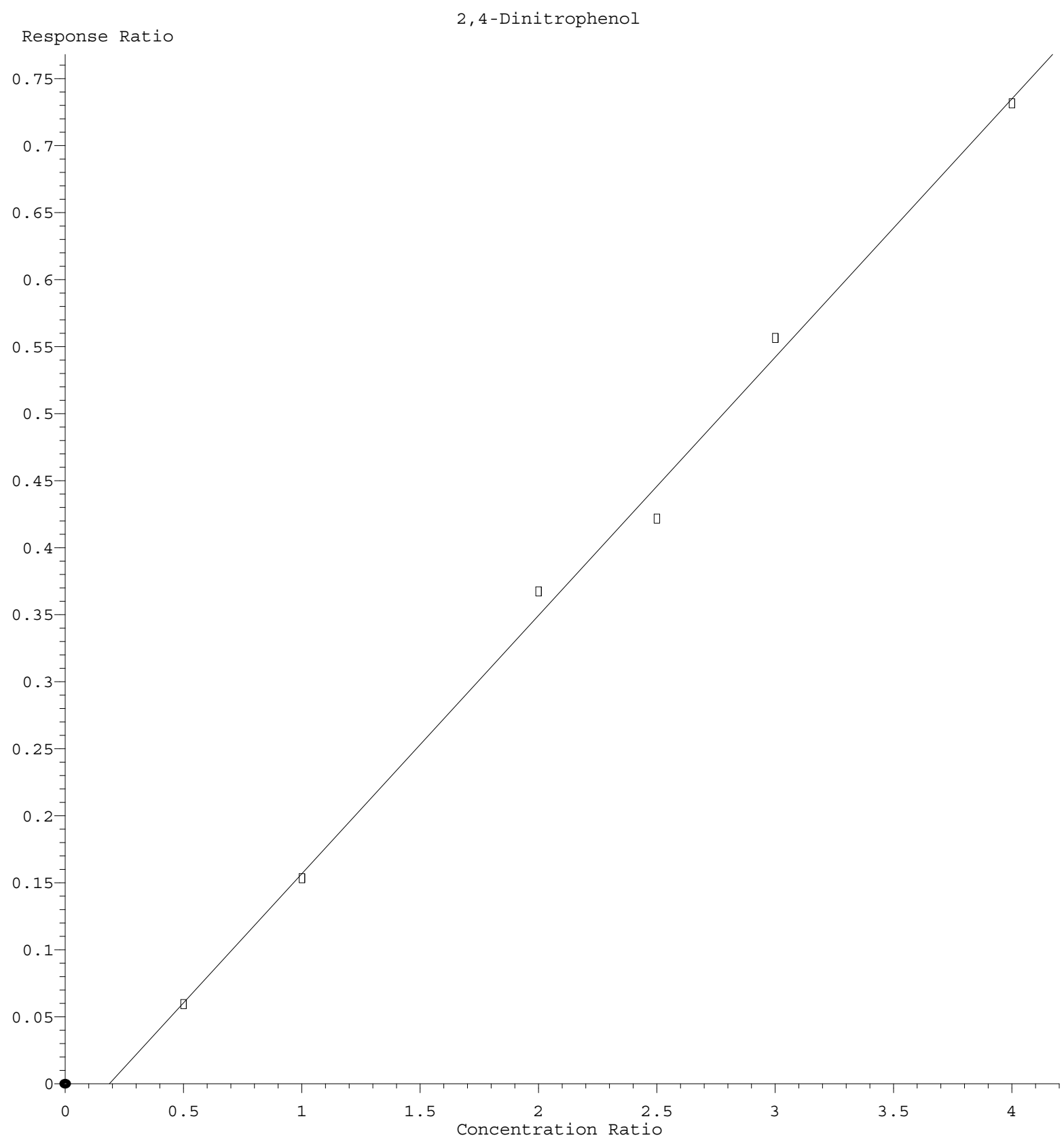
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.323	1.312	1.428	1.517	1.483	1.540	1.505	1.444	6.43
88)		Benzo(b)fluora...	1.483	1.341	1.421	1.321	1.238	1.330	1.218	1.336	7.02
89)		Benzo(k)fluora...	1.416	1.371	1.288	1.304	1.193	1.120	1.144	1.262	8.96
90)	C	Benzo(a)pyrene	1.182	1.132	1.153	1.149	1.094	1.101	1.081	1.128	3.25
91)		Dibenzo(a,h)an...	1.091	1.092	1.185	1.264	1.205	1.250	1.206	1.185	5.84
92)		Benzo(g,h,i)pe...	1.073	1.087	1.211	1.285	1.266	1.302	1.268	1.213	7.86

(#) = Out of Range



Response = 2.104e-001 * Amt - 5.152e-002
Coef of Det (r^2) = 0.999195 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122023.M
Calibration Table Last Updated: Thu Dec 21 01:54:25 2023



Response = 1.927e-001 * Amt - 3.600e-002
Coef of Det (r^2) = 0.996353 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122023.M
Calibration Table Last Updated: Thu Dec 21 01:54:25 2023