Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 13 01:52:47 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF138187.D 5 =BF138188.D 10 =BF138189.D 20 =BF138190.D 40 =BF138191.D 50 =BF138192.D 60 =BF138193.D 80 =BF1381
94.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.559	0.559	0.573	0.563	0.526	0.538	0.513	0.547	4.03
3)		Pyridine		1.345	1.345	1.383	1.318	1.238	1.245	1.229	1.300	4.77
4)		n-Nitrosodimet...		0.615	0.593	0.629	0.628	0.581	0.594	0.571	0.602	3.78
5)	S	2-Fluorophenol		1.269	1.259	1.297	1.228	1.133	1.123	1.060	1.196	7.50
6)		Aniline		1.553	1.504	1.568	1.542	1.422	1.419	1.377	1.483	5.15
7)	S	Phenol-d6		1.637	1.601	1.615	1.558	1.431	1.431	1.338	1.516	7.59
8)		2-Chlorophenol		1.353	1.338	1.376	1.353	1.238	1.237	1.153	1.293	6.47
9)		Benzaldehyde			1.000	0.931	0.776	0.676	0.643		0.805	19.38
10)	C	Phenol		1.591	1.584	1.646	1.592	1.476	1.485	1.396	1.539	5.70
11)		bis(2-Chloroet...		1.311	1.262	1.279	1.257	1.165	1.233	1.113	1.231	5.62
12)		1,3-Dichlorobe...		1.594	1.546	1.563	1.514	1.388	1.386	1.292	1.469	7.72
13)	C	1,4-Dichlorobe...		1.619	1.567	1.573	1.520	1.396	1.391	1.283	1.478	8.33
14)		1,2-Dichlorobe...		1.519	1.483	1.520	1.440	1.297	1.284	1.170	1.388	9.89
15)		Benzyl Alcohol		1.038	1.042	1.096	1.078	0.982	0.993	0.927	1.022	5.74
16)		2,2'-oxybis(1-...		1.841	1.819	1.833	1.791	1.644	1.668	1.569	1.738	6.28
17)		2-Methylphenol		1.051	1.034	1.074	1.062	0.962	0.999	0.957	1.020	4.67
18)		Hexachloroethane		0.501	0.505	0.530	0.522	0.486	0.496	0.464	0.501	4.39
19)	P	n-Nitroso-di-n...	0.921	0.954	0.957	0.947	0.917	0.841	0.851	0.801	0.899	6.61
20)		3+4-Methylphenols		1.396	1.392	1.410	1.340	1.207	1.174	1.066	1.284	10.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.501	0.493	0.499	0.462	0.427	0.427	0.390	0.457	9.51
23)	S	Nitrobenzene-d5		0.329	0.341	0.364	0.360	0.338	0.347	0.326	0.344	4.20
24)		Nitrobenzene		0.350	0.353	0.374	0.369	0.345	0.361	0.333	0.355	4.00
25)		Isophorone		0.646	0.641	0.648	0.629	0.587	0.610	0.589	0.621	4.21
26)	C	2-Nitrophenol		0.094	0.115	0.142	0.159	0.157	0.168	0.164	0.143	19.64
27)		2,4-Dimethylph...		0.219	0.217	0.230	0.223	0.209	0.216	0.207	0.217	3.59
28)		bis(2-Chloroet...		0.411	0.401	0.411	0.396	0.369	0.381	0.354	0.389	5.59
29)	C	2,4-Dichloroph...		0.269	0.281	0.295	0.291	0.273	0.281	0.268	0.280	3.66
30)		1,2,4-Trichlor...		0.351	0.345	0.349	0.339	0.312	0.320	0.293	0.330	6.66
31)		Naphthalene		1.103	1.074	1.073	1.012	0.924	0.913	0.823	0.989	10.55
32)		Benzoic acid			0.132	0.172	0.193	0.202	0.225	0.225	0.191	18.47
33)		4-Chloroaniline		0.382	0.383	0.386	0.373	0.348	0.366	0.349	0.370	4.31
34)	C	Hexachlorobuta...		0.207	0.199	0.204	0.198	0.184	0.186	0.173	0.193	6.42
35)		Caprolactam		0.078	0.085	0.088	0.088	0.080	0.087	0.086	0.084	4.72
36)	C	4-Chloro-3-met...		0.279	0.286	0.292	0.285	0.266	0.277	0.265	0.278	3.64
37)		2-Methylnaphth...		0.721	0.703	0.698	0.662	0.603	0.605	0.552	0.649	9.76
38)		1-Methylnaphth...		0.714	0.689	0.693	0.645	0.591	0.587	0.534	0.636	10.58

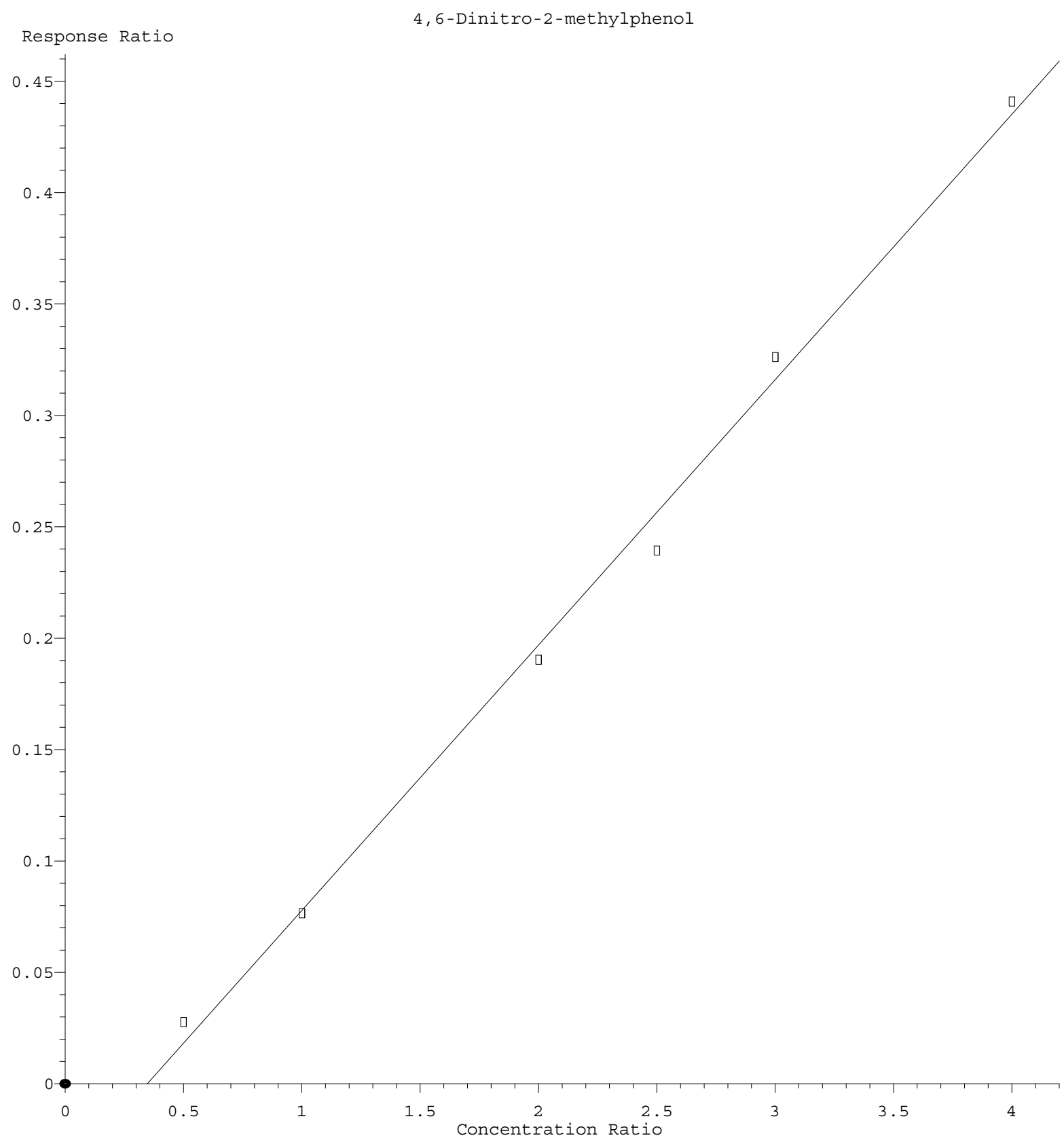
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061224.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.621	0.608	0.626	0.597	0.569	0.560	0.511	0.584	6.99
41)	P	Hexachlorocycl...	0.152	0.169	0.197	0.207	0.208	0.207	0.194	0.191	11.32
42)	S	2,4,6-Tribromo...	0.193	0.205	0.215	0.210	0.192	0.195	0.184	0.199	5.67
43)	C	2,4,6-Trichlor...	0.336	0.361	0.383	0.388	0.371	0.373	0.348	0.366	5.09
44)		2,4,5-Trichlor...	0.385	0.403	0.423	0.418	0.399	0.403	0.383	0.402	3.76
45)	S	2-Fluorobiphenyl	1.531	1.465	1.430	1.247	1.127	1.054	0.951	1.258	17.78
46)		1,1'-Biphenyl	1.629	1.601	1.607	1.483	1.400	1.336	1.218	1.468	10.69
47)		2-Chloronaphth...	1.258	1.247	1.253	1.174	1.099	1.091	0.997	1.160	8.71
48)		2-Nitroaniline	0.210	0.249	0.288	0.307	0.295	0.307	0.298	0.279	12.95
49)		Acenaphthylene	1.748	1.746	1.763	1.658	1.552	1.524	1.393	1.626	8.68
50)		Dimethylphthalate	1.318	1.292	1.305	1.240	1.153	1.176	1.094	1.225	7.02
51)		2,6-Dinitrotol...	0.212	0.250	0.277	0.288	0.274	0.287	0.273	0.266	10.09
52)	C	Acenaphthene	1.192	1.174	1.191	1.132	1.055	1.046	0.974	1.109	7.69
53)		3-Nitroaniline	0.244	0.276	0.293	0.305	0.285	0.299	0.286	0.284	7.06
54)	P	2,4-Dinitrophenol		0.062	0.083	0.107	0.109	0.127	0.134	0.104	26.16
55)		Dibenzofuran	1.724	1.680	1.674	1.587	1.447	1.435	1.306	1.550	10.10
56)	P	4-Nitrophenol	0.174	0.211	0.235	0.245	0.224	0.244	0.238	0.224	11.32
57)		2,4-Dinitrotol...	0.241	0.293	0.345	0.360	0.336	0.369	0.352	0.328	13.86
58)		Fluorene	1.390	1.351	1.343	1.227	1.119	1.107	0.995	1.219	12.31
59)		2,3,4,6-Tetrac...	0.294	0.320	0.335	0.330	0.303	0.319	0.298	0.314	5.04
60)		Diethylphthalate	1.238	1.240	1.258	1.188	1.083	1.109	1.026	1.163	7.79
61)		4-Chlorophenyl...	0.688	0.671	0.661	0.613	0.562	0.553	0.502	0.607	11.54
62)		4-Nitroaniline	0.252	0.289	0.299	0.303	0.268	0.292	0.282	0.284	6.34
63)		Azobenzene	1.251	1.254	1.249	1.174	1.092	1.112	1.024	1.165	7.86
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.076	0.095	0.096	0.109	0.110	0.090	23.23
66)	c	n-Nitrosodiphe...	0.647	0.635	0.651	0.625	0.602	0.590	0.536	0.612	6.61
67)		4-Bromophenyl-...	0.227	0.226	0.238	0.232	0.223	0.224	0.208	0.225	4.04
68)		Hexachlorobenzene	0.275	0.273	0.278	0.269	0.259	0.256	0.232	0.263	6.00
69)		Atrazine	0.181	0.189	0.189	0.177	0.162	0.167	0.155	0.174	7.61
70)	C	Pentachlorophenol	0.122	0.143	0.163	0.167	0.158	0.163	0.157	0.153	10.24
71)		Phenanthrene	1.101	1.069	1.078	1.004	0.926	0.917	0.828	0.989	10.30
72)		Anthracene	1.079	1.058	1.075	1.003	0.921	0.918	0.820	0.982	10.02
73)		Carbazole	0.992	0.987	0.983	0.920	0.819	0.839	0.763	0.901	10.36
74)		Di-n-butylphth...	0.939	1.021	1.038	0.966	0.852	0.898	0.813	0.932	8.98
75)	C	Fluoranthene	1.121	1.154	1.126	1.027	0.872	0.928	0.831	1.009	13.10
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.200	0.142	0.236	0.406	0.254	0.274	0.107	0.231	42.29
78)		Pyrene	1.736	1.571	1.840	1.842	1.741	1.763	1.583	1.725	6.38
79)	S	Terphenyl-d14	1.406	1.259	1.400	1.318	1.217	1.187	1.053	1.263	9.91
80)		Butylbenzylpht...	0.344	0.415	0.490	0.525	0.473	0.526	0.511	0.469	14.31
81)		Benzo(a)anthra...	1.355	1.332	1.358	1.317	1.237	1.231	1.151	1.283	6.09
82)		3,3'-Dichlorob...	0.355	0.407	0.383	0.365	0.336	0.330	0.298	0.353	10.28
83)		Chrysene	1.282	1.265	1.300	1.251	1.188	1.173	1.102	1.223	5.82
84)		Bis(2-ethylhex...	0.402	0.547	0.551	0.589	0.561	0.589	0.582	0.546	12.08
85)	c	Di-n-octyl pht...		0.676	0.677	0.818	0.922	0.872	0.900	0.811	13.55

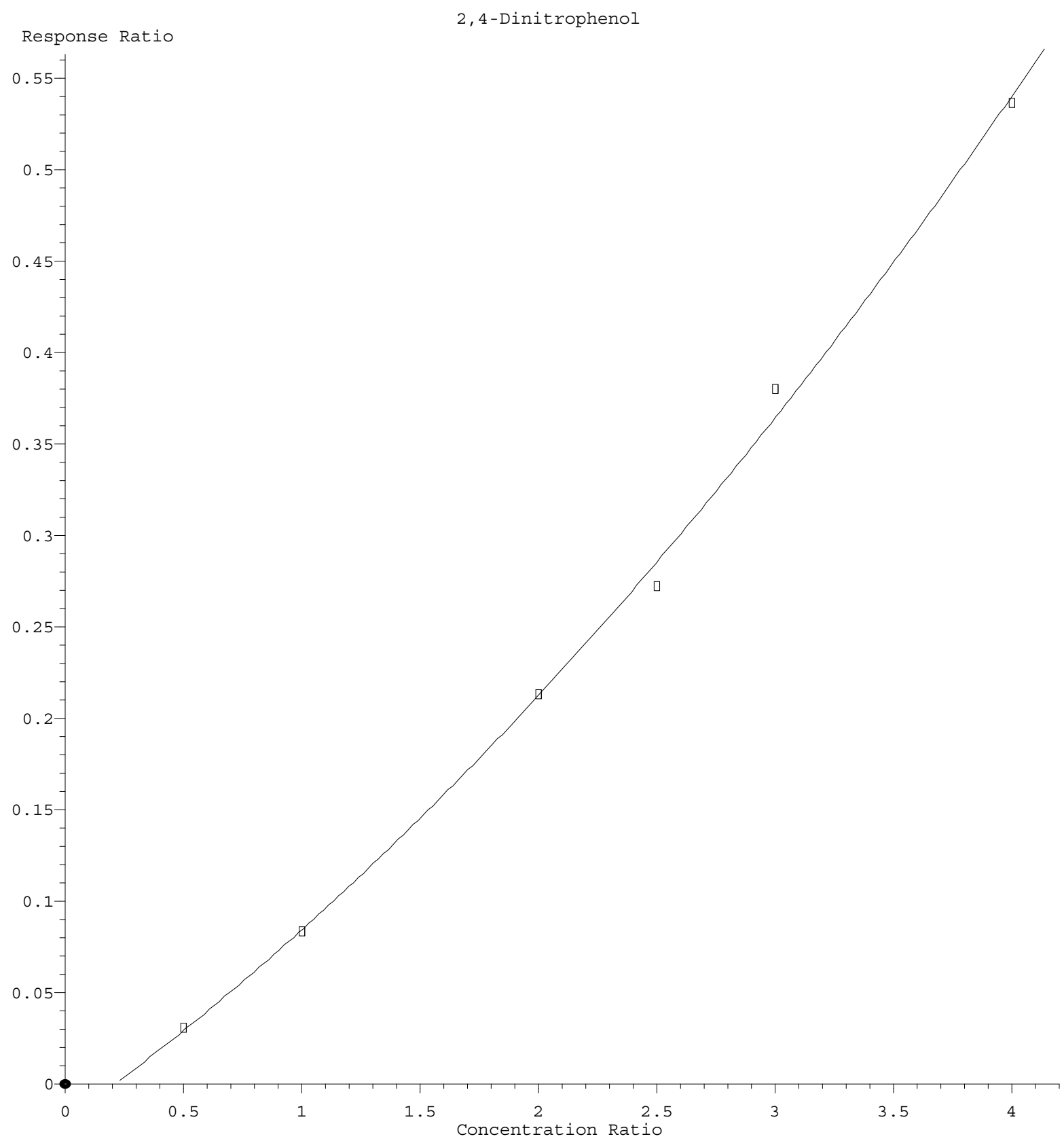
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061224.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.995	1.011	1.395	1.492	1.408	1.451	1.374	1.304	16.04
88)		Benzo(b)fluora...	1.231	1.223	1.311	1.172	1.082	1.172	1.065	1.179	7.30
89)		Benzo(k)fluora...	1.271	1.279	1.214	1.153	1.077	1.062	1.034	1.156	8.78
90)	C	Benzo(a)pyrene	1.000	1.015	1.058	1.044	0.985	1.018	0.973	1.013	2.99
91)		Dibenzo(a,h)an...	0.834	0.828	1.155	1.223	1.157	1.186	1.108	1.070	15.59
92)		Benzo(g,h,i)pe...	0.837	0.840	1.193	1.273	1.196	1.237	1.173	1.107	16.83

(#) = Out of Range



Response = 1.191e-001 * Amt - 4.130e-002
Coef of Det (r^2) = 0.995246 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF061224.M
Calibration Table Last Updated: Thu Jun 13 01:52:47 2024



R = 1.192e-002 A*A + 9.235e-002 A - 1.994e-002
Coef of Det (r^2) = 0.997529 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF061224.M
Calibration Table Last Updated: Thu Jun 13 01:52:47 2024