Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 08 00:27:19 2023
Response Via : Initial Calibration

Calibration Files
0.1 =BN028486.D 0.2 =BN028487.D 0.4 =BN028488.D 0.8 =BN028489.D 1.6 =BN028490.D 3.2 =BN028491.D 5.0 =BN028492.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	0.521	0.483	0.474	0.496	0.500	0.471	0.425	0.481	6.22
3)		n-Nitrosodimet...	0.536	0.555	0.539	0.572	0.588	0.564	0.517	0.553	4.36
4)	S	2-Fluorophenol	1.304	1.210	1.194	1.218	1.226	1.164	1.056	1.196	6.30
5)	S	Phenol-d6	1.674	1.546	1.513	1.538	1.568	1.521	1.402	1.537	5.23
6)		bis(2-Chloroet...	1.302	1.244	1.259	1.302	1.334	1.285	1.183	1.273	3.89
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.386	0.361	0.349	0.358	0.365	0.354	0.328	0.357	4.90
9)		Naphthalene	1.284	1.246	1.242	1.277	1.303	1.246	1.144	1.249	4.14
10)		Hexachlorobuta...	0.232	0.221	0.221	0.227	0.233	0.219	0.200	0.222	4.96
11)	SURR	2-Methylnaphth...	0.661	0.652	0.679	0.715	0.756	0.723	0.671	0.694	5.51
12)		2-Methylnaphth...	0.867	0.841	0.835	0.876	0.912	0.868	0.792	0.856	4.42
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.253	0.223	0.206	0.210	0.232	0.225	0.221	0.224	6.92
15)	S	2-Fluorobiphenyl	1.813	1.754	1.730	1.784	1.837	1.752	1.635	1.758	3.73
16)		Acenaphthylene	1.999	1.994	1.984	2.118	2.268	2.233	2.131	2.104	5.56
17)		Acenaphthene	1.425	1.384	1.366	1.413	1.480	1.412	1.336	1.402	3.29
18)		Fluorene	2.061	1.984	1.945	1.985	2.098	1.961	1.844	1.983	4.16
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.049	0.056	0.066	0.080	0.089	0.091	0.072		24.60
21)		4-Bromophenyl-...	0.275	0.265	0.254	0.268	0.283	0.271	0.255	0.267	3.95
22)		Hexachlorobenzene	0.287	0.272	0.270	0.286	0.298	0.284	0.261	0.280	4.44
23)		Atrazine	0.217	0.217	0.223	0.238	0.259	0.255	0.240	0.236	7.31
24)		Pentachlorophenol	0.105	0.098	0.103	0.115	0.134	0.142	0.142	0.120	15.90
25)		Phenanthrene	1.408	1.307	1.290	1.338	1.392	1.327	1.225	1.327	4.68
26)		Anthracene	1.211	1.165	1.139	1.218	1.298	1.284	1.195	1.216	4.79
27)	SURR	Fluoranthene-d10	1.201	1.163	1.192	1.245	1.307	1.271	1.173	1.222	4.40
28)		Fluoranthene	1.641	1.547	1.545	1.609	1.683	1.623	1.485	1.590	4.26
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.988	1.906	1.860	1.927	2.007	1.892	1.754	1.905	4.44
31)	S	Terphenyl-d14	1.123	1.072	1.037	1.077	1.105	1.057	0.973	1.063	4.62
32)		Benzo(a)anthra...	1.638	1.605	1.612	1.681	1.795	1.749	1.621	1.672	4.43
33)		Chrysene	1.658	1.608	1.651	1.731	1.789	1.692	1.559	1.670	4.57
34)		Bis(2-ethylhex...	1.046	1.007	0.949	1.000	1.101	1.086	1.050	1.034	5.09
35)	I	Perylene-d12	----------ISTD----------								

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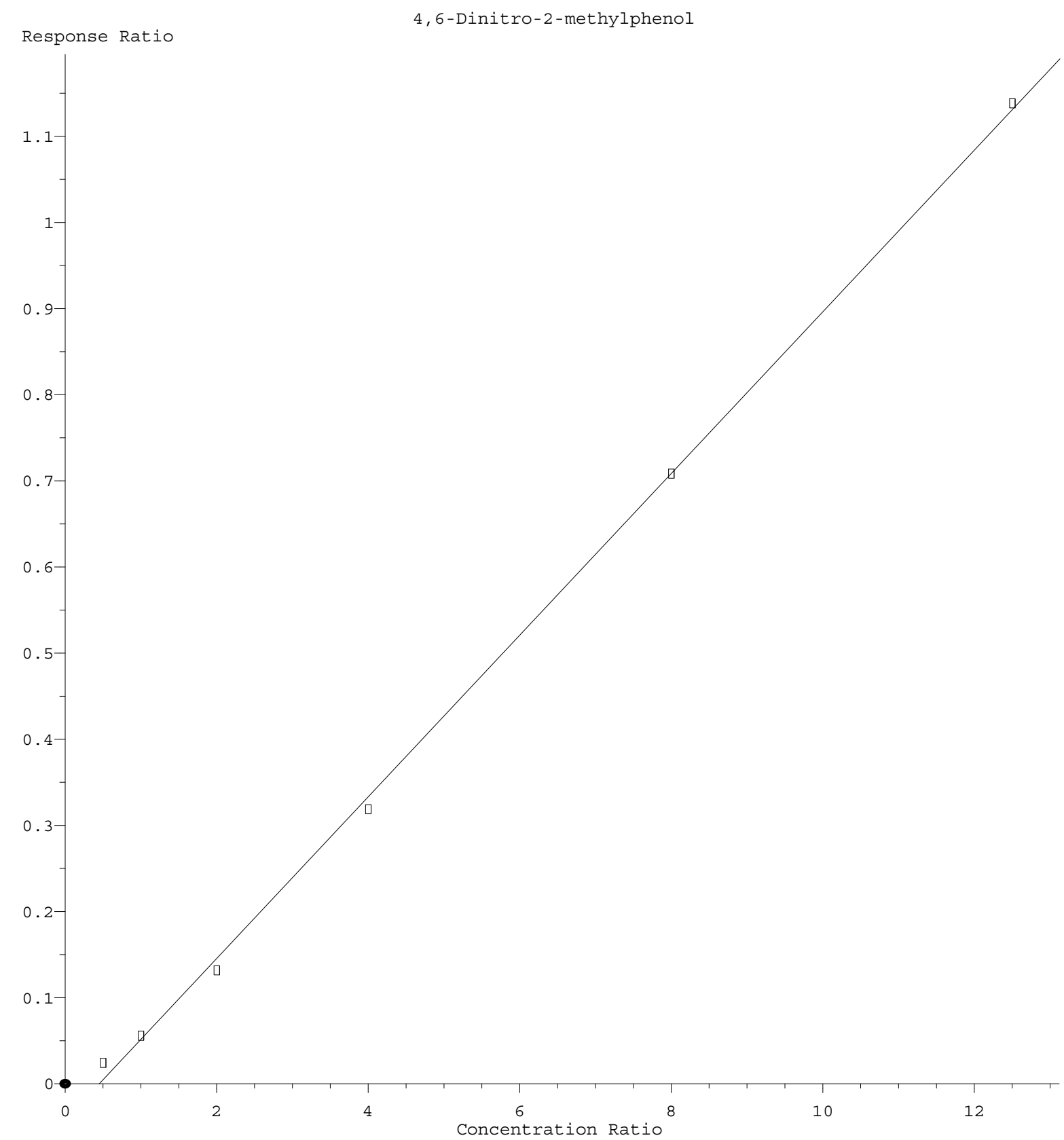
36)		Indeno(1,2,3-c...	1.516	1.514	1.553	1.627	1.744	1.722	1.618	1.613	5.77
37)		Benzo(b)fluora...	1.578	1.589	1.599	1.737	1.752	1.684	1.600	1.649	4.51
38)		Benzo(k)fluora...	1.571	1.569	1.540	1.686	1.713	1.662	1.523	1.609	4.74
39)	C	Benzo(a)pyrene	1.364	1.346	1.360	1.437	1.510	1.467	1.377	1.409	4.48
40)		Dibenzo(a,h)an...	1.174	1.177	1.203	1.266	1.363	1.352	1.269	1.258	6.22
41)		Benzo(g,h,i)pe...	1.332	1.335	1.346	1.403	1.494	1.473	1.371	1.393	4.77

(#) = Out of Range



Response = 9.391e-002 * Amt - 4.210e-002
Coef of Det (r^2) = 0.999129 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN110723.M
Calibration Table Last Updated: Wed Nov 08 00:27:19 2023