Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN090425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 04 18:19:43 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037657.D 0.2 =BN037658.D 0.4 =BN037659.D 0.8 =BN037660.D 1.6 =BN037661.D 3.2 =BN037662.D 5 =BN037663.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.412	0.401	0.389	0.415	0.407	0.369	0.399		4.26
3)		n-Nitrosodimet...	0.507	0.504	0.496	0.532	0.529	0.530	0.516		3.04
4)	S	2-Fluorophenol	1.007	0.986	0.949	0.899	0.962	0.995	1.045	0.977	4.78
5)	S	Phenol-d6	1.237	1.176	1.133	1.063	1.147	1.191	1.250	1.171	5.48
6)		bis(2-Chloroet...	1.016	1.009	1.004	0.962	1.011	0.994	1.004	1.000	1.81
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.315	0.303	0.301	0.289	0.319	0.326	0.347	0.314	6.11
9)		Naphthalene	1.079	1.080	1.055	1.029	1.120	1.119	1.149	1.090	3.82
10)		Hexachlorobuta...	0.245	0.248	0.243	0.236	0.263	0.256	0.258	0.250	3.77
11)	SURR	2-Methylnaphth...	0.511	0.501	0.506	0.474	0.513	0.534	0.647	0.527	10.60
12)		2-Methylnaphth...	0.654	0.641	0.640	0.620	0.678	0.692	0.723	0.664	5.35
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.232	0.225	0.203	0.186	0.204	0.217	0.244	0.216	9.11
15)	S	2-Fluorobiphenyl	2.209	2.136	1.993	2.175	2.337	2.308	2.506	2.238	7.34
16)		Acenaphthylene	1.722	1.765	1.721	1.724	1.867	1.939	2.048	1.827	7.06
17)		Acenaphthene	1.227	1.210	1.218	1.183	1.300	1.330	1.403	1.267	6.28
18)		Fluorene	1.504	1.440	1.477	1.460	1.589	1.651	1.711	1.547	6.74
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.062	0.062	0.062	0.069	0.079	0.088	0.070		15.61
21)		4-Bromophenyl-...	0.255	0.242	0.251	0.243	0.262	0.277	0.287	0.259	6.63
22)		Hexachlorobenzene	0.359	0.344	0.350	0.346	0.370	0.374	0.378	0.360	3.86
23)		Atrazine	0.188	0.170	0.164	0.153	0.169	0.184	0.203	0.176	9.67
24)		Pentachlorophenol	0.169	0.160	0.144	0.158	0.173	0.188	0.165		9.15
25)		Phenanthrene	1.198	1.172	1.162	1.138	1.245	1.295	1.336	1.221	6.04
26)		Anthracene	1.005	1.002	0.999	0.982	1.109	1.194	1.250	1.077	10.05
27)	SURR	Fluoranthene-d10	0.927	0.927	0.901	0.873	0.990	1.060	1.303	0.997	14.86
28)		Fluoranthene	1.261	1.237	1.231	1.230	1.440	1.503	1.569	1.353	10.83
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.691	1.517	1.522	1.442	1.501	1.514	1.577	1.538	5.10
31)	S	Terphenyl-d14	0.876	0.780	0.776	0.737	0.762	0.765	0.821	0.788	5.90
32)		Benzo(a)anthra...	1.408	1.361	1.327	1.253	1.388	1.408	1.486	1.376	5.32
33)		Chrysene	1.469	1.452	1.437	1.383	1.504	1.498	1.538	1.469	3.48
34)		Bis(2-ethylhex...	0.736	0.534	0.448	0.464	0.468	0.520	0.528		20.26
35)	I	Perylene-d12	----------ISTD----------								

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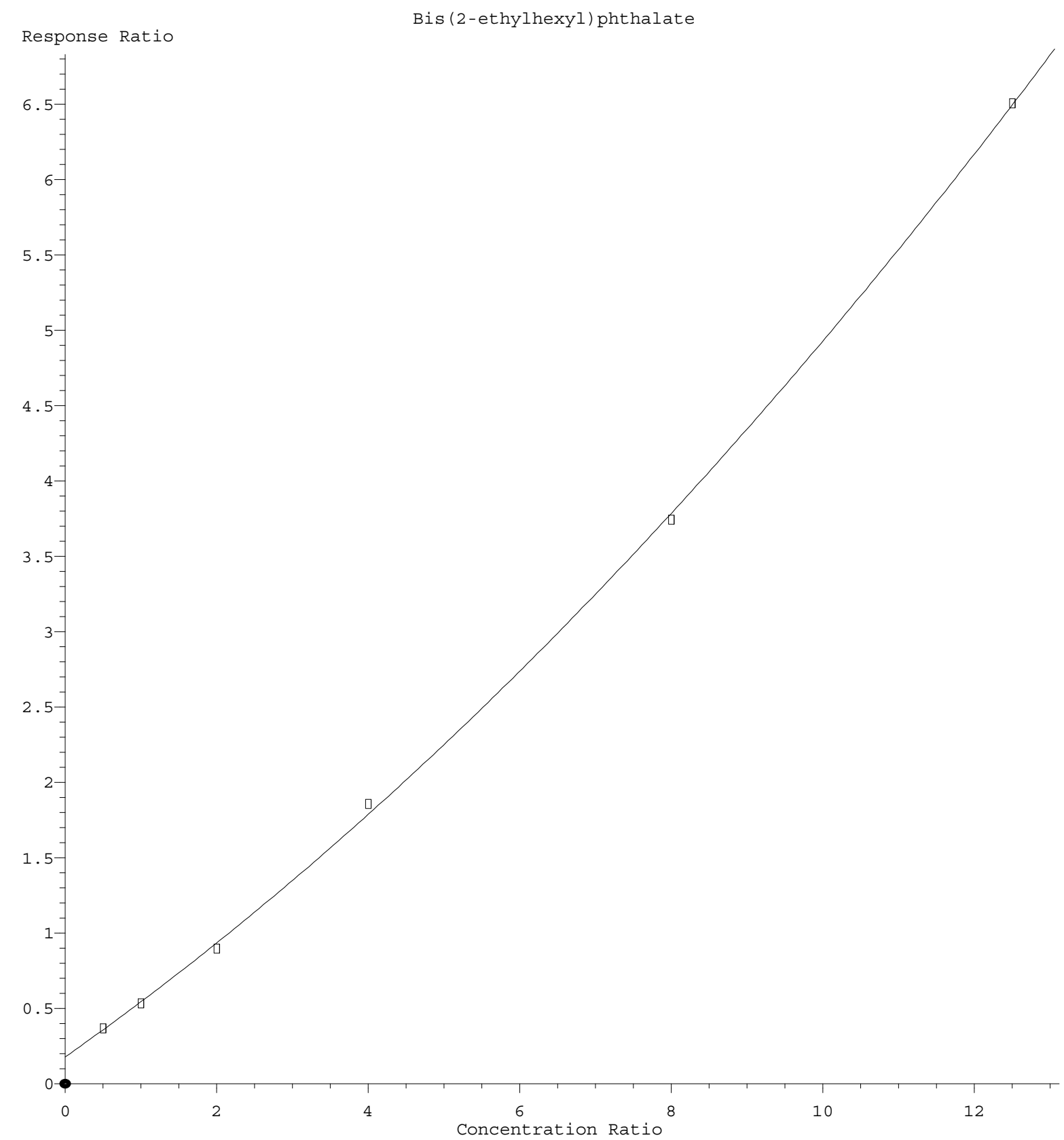
36)		Indeno(1,2,3-c...	1.682	1.688	1.679	1.737	2.048	2.129	2.269	1.890	13.28
37)		Benzo(b)fluora...	1.533	1.526	1.519	1.482	1.669	1.726	1.860	1.616	8.62
38)		Benzo(k)fluora...	1.593	1.568	1.610	1.556	1.796	1.812	1.919	1.693	8.60
39)	C	Benzo(a)pyrene	1.273	1.235	1.260	1.207	1.388	1.438	1.569	1.339	9.82
40)		Dibenzo(a,h)an...	1.300	1.283	1.309	1.349	1.575	1.698	1.804	1.474	14.62
41)		Benzo(g,h,i)pe...	1.419	1.447	1.466	1.482	1.669	1.755	1.892	1.590	11.54

(#) = Out of Range



R = 1.211e-002 A*A + 3.539e-001 A + 1.781e-001
Coef of Det (r^2) = 0.999712 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN090425.M
Calibration Table Last Updated: Thu Sep 04 18:19:43 2025