Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN051123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri May 12 00:57:16 2023
Response Via : Initial Calibration

Calibration Files
0.1 =BN025393.D 0.2 =BN025394.D 0.4 =BN025395.D 0.8 =BN025396.D 1.6 =BN025397.D 3.2 =BN025398.D 5.0 =BN025399.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	0.361	0.390	0.425	0.356	0.403	0.334	0.317	0.369	10.46
3)		n-Nitrosodimet...	0.486	0.563	0.634	0.574	0.715	0.606	0.570	0.593	11.90
4)	S	2-Fluorophenol	0.930	0.878	1.046	0.891	1.037	0.874	0.833	0.927	9.00
5)	S	Phenol-d6	1.181	1.138	1.399	1.192	1.494	1.250	1.161	1.260	10.74
6)		bis(2-Chloroet...	0.874	0.780	1.000	0.943	1.182	1.010	0.949	0.962	12.97
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.248	0.260	0.350	0.312	0.410	0.342	0.341	0.323	17.28
9)		Naphthalene	0.973	0.960	1.123	0.944	1.133	0.972	0.947	1.008	8.24
10)		Hexachlorobuta...	0.192	0.187	0.217	0.182	0.231	0.182	0.178	0.196	10.29
11)	SURR	2-Methylnaphth...	0.481	0.484	0.584	0.497	0.630	0.514	0.502	0.528	10.84
12)		2-Methylnaphth...	0.641	0.639	0.769	0.650	0.834	0.679	0.664	0.697	10.84
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.182	0.186	0.228	0.197	0.247	0.231	0.224	0.213	11.80
15)	S	2-Fluorobiphenyl	1.239	1.236	1.564	1.305	1.594	1.427	1.359	1.389	10.51
16)		Acenaphthylene	1.750	1.690	2.048	1.713	2.105	1.893	1.815	1.859	8.83
17)		Acenaphthene	1.049	1.032	1.245	1.028	1.232	1.047	1.063	1.100	8.72
18)		Fluorene	1.360	1.346	1.643	1.339	1.642	1.463	1.398	1.456	9.20
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.006	0.010	0.016	0.032	0.040	0.052	0.026	70.98
21)		4-Bromophenyl-...	0.210	0.199	0.242	0.212	0.261	0.229	0.226	0.226	9.35
22)		Hexachlorobenzene	0.240	0.237	0.275	0.233	0.281	0.242	0.235	0.249	8.04
23)		Atrazine	0.173	0.165	0.190	0.170	0.211	0.186	0.186	0.183	8.49
24)		Pentachlorophenol		0.082	0.101	0.101	0.140	0.132	0.134	0.115	20.48
25)		Phenanthrene	1.037	1.002	1.190	0.996	1.241	1.070	1.043	1.083	8.81
26)		Anthracene	0.959	0.951	1.123	0.947	1.235	1.074	1.064	1.050	10.20
27)	SURR	Fluoranthene-d10	0.888	0.870	0.992	0.858	1.037	0.904	0.860	0.916	7.73
28)		Fluoranthene	1.238	1.188	1.359	1.173	1.422	1.232	1.168	1.254	7.85
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.632	1.579	1.923	1.520	1.921	1.615	1.614	1.686	9.81
31)	S	Terphenyl-d14	0.915	0.903	1.066	0.880	1.081	0.954	0.948	0.964	8.21
32)		Benzo(a)anthra...	1.318	1.246	1.530	1.252	1.580	1.335	1.282	1.363	9.96
33)		Chrysene	1.243	1.286	1.517	1.210	1.513	1.262	1.239	1.324	9.98
34)		Bis(2-ethylhex...	1.511	1.346	1.489	1.129	1.404	1.162	1.156	1.314	12.47
35)	I	Perylene-d12	----------ISTD----------								

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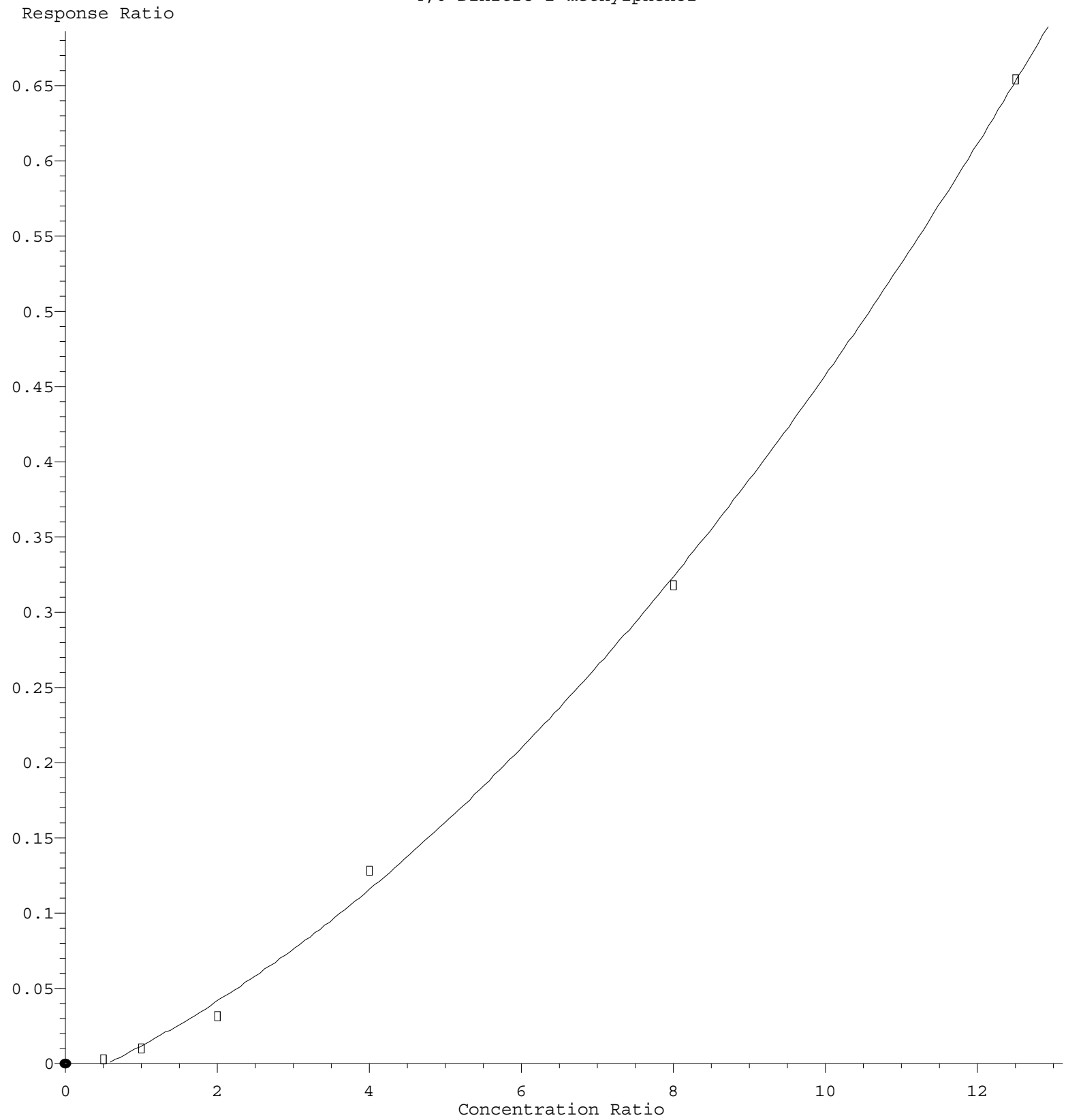
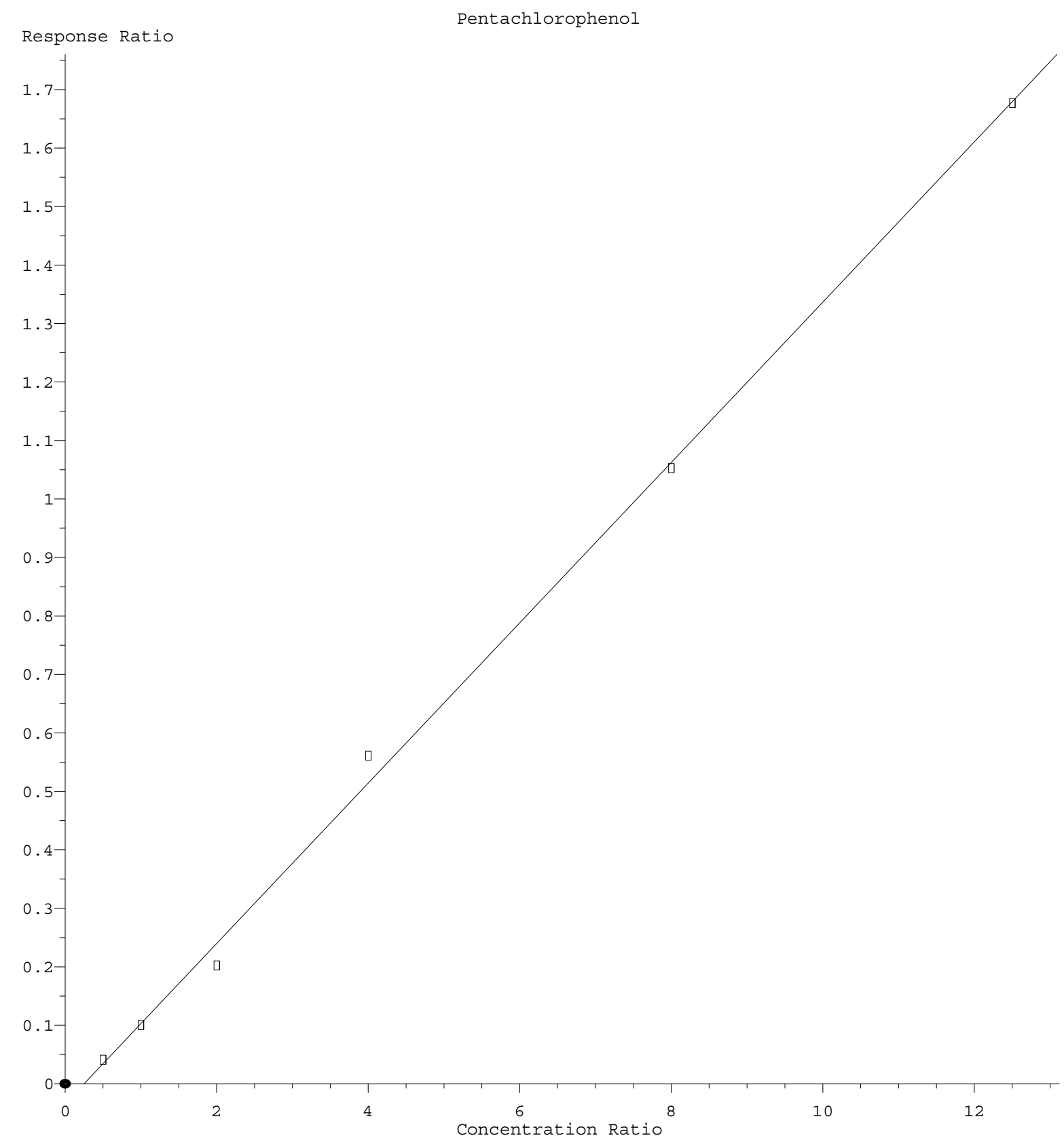
36)		Indeno(1,2,3-c...	1.432	1.388	1.646	1.384	1.668	1.387	1.389	1.470	8.75
37)		Benzo(b)fluora...	1.314	1.211	1.410	1.221	1.487	1.268	1.268	1.311	7.78
38)		Benzo(k)fluora...	1.282	1.287	1.496	1.288	1.536	1.285	1.277	1.350	8.44
39)	C	Benzo(a)pyrene	1.223	1.195	1.406	1.214	1.458	1.226	1.226	1.278	8.34
40)		Dibenzo(a,h)an...	1.126	1.082	1.307	1.114	1.340	1.117	1.118	1.172	8.94
41)		Benzo(g,h,i)pe...	1.253	1.149	1.376	1.162	1.398	1.169	1.166	1.239	8.63

(#) = Out of Range

4,6-Dinitro-2-methylphenol



R = 2.480e-003 A*A + 2.225e-002 A - 1.288e-002
Coef of Det (r^2) = 0.999060 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN051123.M
Calibration Table Last Updated: Fri May 12 00:57:16 2023



Response = 1.371e-001 * Amt - 3.395e-002
Coef of Det (r^2) = 0.998197 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN051123.M
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