Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN101223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 13 02:17:11 2023
Response Via : Initial Calibration

Calibration Files
0.1 =BN028263.D 0.2 =BN028264.D 0.4 =BN028265.D 0.8 =BN028266.D 1.6 =BN028267.D 3.2 =BN028268.D 5.0 =BN028269.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	0.592	0.498	0.491	0.503	0.409	0.448	0.442	0.483	12.25
3)		n-Nitrosodimet...	0.495	0.547	0.548	0.572	0.474	0.531	0.531	0.528	6.30
4)	S	2-Fluorophenol	1.480	1.461	1.176	1.328	1.023	1.113	1.114	1.242	14.60
5)	S	Phenol-d6	1.759	1.666	1.466	1.627	1.285	1.437	1.466	1.529	10.58
6)		bis(2-Chloroet...	1.236	1.166	1.172	1.226	1.052	1.200	1.202	1.179	5.23
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.407	0.365	0.341	0.353	0.295	0.348	0.376	0.355	9.69
9)		Naphthalene	1.060	1.052	1.056	1.073	0.899	1.035	1.089	1.038	6.13
10)		Hexachlorobuta...	0.186	0.185	0.180	0.184	0.153	0.175	0.183	0.178	6.52
11)	SURR	2-Methylnaphth...	0.602	0.609	0.616	0.617	0.521	0.606	0.638	0.601	6.18
12)		2-Methylnaphth...	0.748	0.735	0.759	0.758	0.642	0.740	0.780	0.737	6.07
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.225	0.202	0.185	0.187	0.158	0.192	0.218	0.195	11.60
15)	S	2-Fluorobiphenyl	1.486	1.428	1.380	1.442	1.216	1.391	1.509	1.407	6.85
16)		Acenaphthylene	1.985	1.784	1.747	1.762	1.531	1.812	1.961	1.797	8.41
17)		Acenaphthene	1.162	1.130	1.168	1.146	0.988	1.136	1.199	1.133	6.00
18)		Fluorene	1.509	1.490	1.518	1.509	1.304	1.501	1.606	1.491	6.10
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.012	0.022	0.022	0.030	0.053	0.068	0.034	62.54	
21)		4-Bromophenyl-...	0.203	0.200	0.211	0.208	0.181	0.211	0.227	0.206	6.67
22)		Hexachlorobenzene	0.214	0.212	0.218	0.219	0.184	0.211	0.227	0.212	6.29
23)		Atrazine	0.198	0.196	0.200	0.189	0.163	0.195	0.212	0.193	7.83
24)		Pentachlorophenol	0.110	0.093	0.080	0.089	0.080	0.105	0.120	0.097	15.96
25)		Phenanthrene	1.157	1.091	1.110	1.110	0.948	1.091	1.158	1.095	6.45
26)		Anthracene	1.123	1.004	1.043	1.029	0.898	1.065	1.159	1.046	8.11
27)	SURR	Fluoranthene-d10	1.082	1.069	1.100	1.104	0.925	1.069	1.140	1.070	6.40
28)		Fluoranthene	1.541	1.412	1.389	1.382	1.157	1.333	1.416	1.376	8.40
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.571	1.409	1.411	1.314	1.151	1.307	1.418	1.369	9.48
31)	S	Terphenyl-d14	0.979	0.861	0.853	0.818	0.720	0.812	0.902	0.849	9.46
32)		Benzo(a)anthra...	1.595	1.481	1.460	1.388	1.179	1.366	1.478	1.421	9.14
33)		Chrysene	1.486	1.349	1.384	1.355	1.174	1.335	1.437	1.360	7.23
34)		Bis(2-ethylhex...	1.300	1.190	1.078	0.885	0.995	1.065	1.086	13.39	
35)	I	Perylene-d12	----------ISTD----------								

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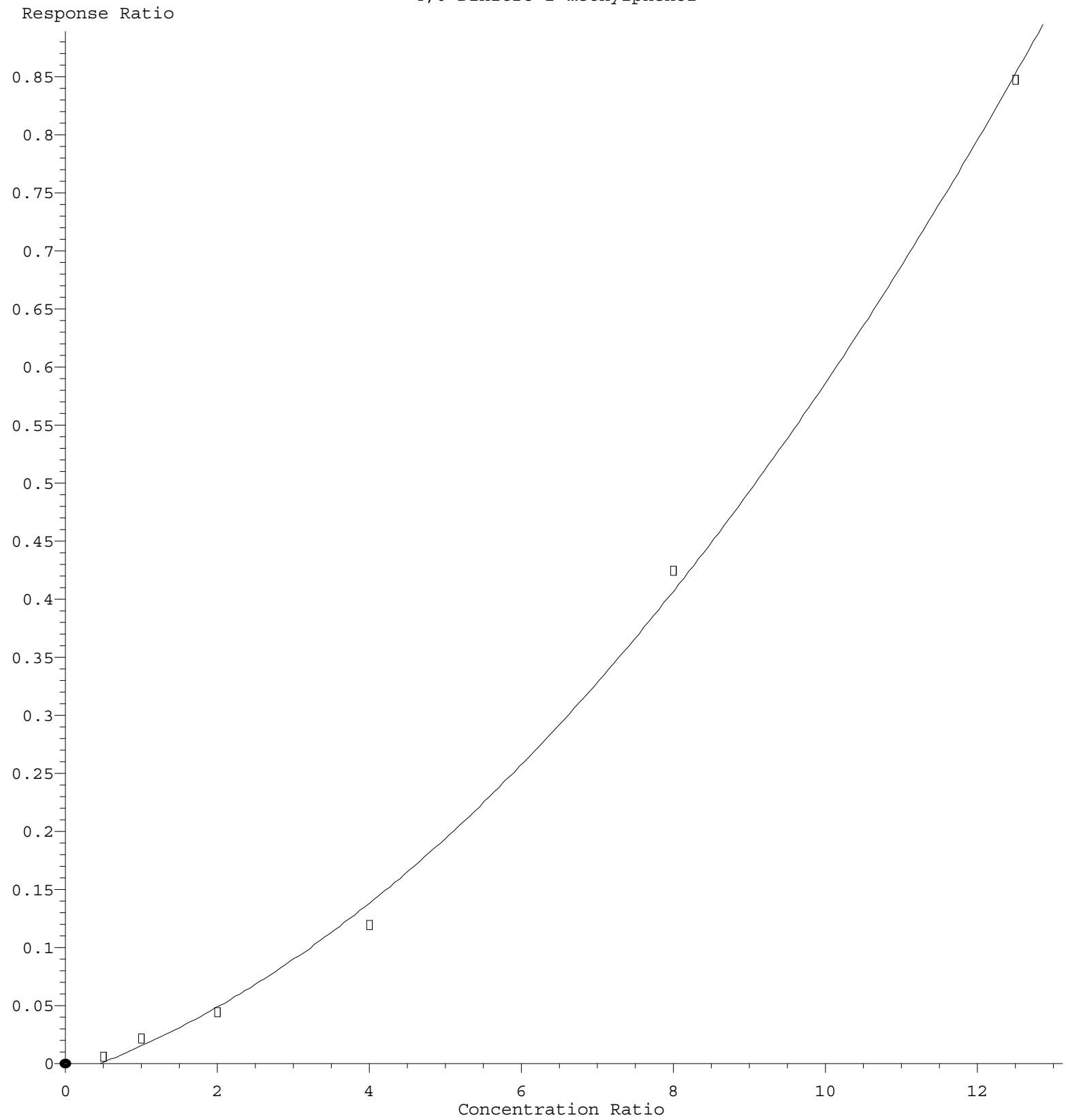
36)		Indeno(1,2,3-c...	1.822	1.689	1.547	1.661	1.368	1.553	1.647	1.613	8.80
37)		Benzo(b)fluora...	1.423	1.293	1.231	1.242	1.054	1.217	1.293	1.250	8.84
38)		Benzo(k)fluora...	1.396	1.318	1.259	1.283	1.085	1.244	1.318	1.272	7.57
39)	C	Benzo(a)pyrene	1.367	1.263	1.238	1.258	1.062	1.219	1.299	1.244	7.52
40)		Dibenzo(a,h)an...	1.418	1.360	1.261	1.368	1.125	1.279	1.354	1.309	7.45
41)		Benzo(g,h,i)pe...	1.519	1.409	1.297	1.397	1.154	1.303	1.383	1.352	8.48

(#) = Out of Range

4,6-Dinitro-2-methylphenol



R = 3.747e-003 A*A + 2.223e-002 A - 1.072e-002
Coef of Det (r^2) = 0.998622 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN101223.M
Calibration Table Last Updated: Fri Oct 13 02:17:11 2023