Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN091924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 18 16:09:28 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN034033.D 0.2 =BN034034.D 0.4 =BN034035.D 0.8 =BN034036.D 1.6 =BN034037.D 3.2 =BN034038.D 5.0 =BN034039.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	0.558	0.536	0.503	0.503	0.488	0.468	0.445	0.500	7.73
3)		n-Nitrosodimet...	0.531	0.571	0.550	0.613	0.606	0.560	0.553	0.569	5.30
4)	S	2-Fluorophenol	1.201	1.157	1.069	1.203	1.148	1.080	1.089	1.135	4.97
5)	S	Phenol-d6	1.239	1.215	1.189	1.406	1.401	1.371	1.421	1.320	7.69
6)		bis(2-Chloroet...	1.156	1.095	1.106	1.276	1.223	1.159	1.162	1.168	5.44
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.270	0.269	0.280	0.331	0.336	0.321	0.336	0.306	10.30
9)		Naphthalene	1.092	1.062	1.056	1.171	1.149	1.068	1.088	1.098	4.07
10)		Hexachlorobuta...	0.216	0.208	0.204	0.219	0.213	0.192	0.195	0.207	4.93
11)	SURR	2-Methylnaphth...	0.568	0.554	0.560	0.631	0.627	0.585	0.610	0.591	5.42
12)		2-Methylnaphth...	0.680	0.671	0.678	0.763	0.759	0.713	0.736	0.714	5.48
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.162	0.156	0.155	0.187	0.192	0.197	0.220	0.181	13.49
15)	S	2-Fluorobiphenyl	1.629	1.576	1.574	1.722	1.693	1.597	1.595	1.627	3.62
16)		Acenaphthylene	1.530	1.512	1.537	1.804	1.846	1.838	1.918	1.712	10.35
17)		Acenaphthene	1.206	1.182	1.175	1.298	1.272	1.224	1.240	1.228	3.71
18)		Fluorene	1.582	1.538	1.528	1.704	1.690	1.618	1.621	1.612	4.24
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.042	0.046	0.061	0.065	0.072		0.057	21.90
21)		4-Bromophenyl-...	0.218	0.210	0.213	0.236	0.236	0.225	0.236	0.225	5.01
22)		Hexachlorobenzene	0.250	0.246	0.248	0.259	0.263	0.246	0.254	0.252	2.62
23)		Atrazine	0.175	0.170	0.170	0.198	0.197	0.192	0.203	0.186	7.55
24)		Pentachlorophenol	0.078	0.065	0.070	0.088	0.095	0.105		0.083	18.27
25)		Phenanthrene	1.153	1.090	1.107	1.196	1.191	1.129	1.174	1.149	3.61
26)		Anthracene	0.817	0.826	0.843	0.985	1.008	1.011	1.071	0.937	11.20
27)	SURR	Fluoranthene-d10	0.965	0.947	0.953	1.059	1.054	1.013	1.072	1.009	5.35
28)		Fluoranthene	1.249	1.226	1.258	1.405	1.414	1.359	1.405	1.331	6.26
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.720	1.641	1.691	1.763	1.713	1.620	1.670	1.688	2.91
31)	S	Terphenyl-d14	0.810	0.767	0.794	0.842	0.821	0.767	0.791	0.799	3.46
32)		Benzo(a)anthra...	1.227	1.187	1.178	1.343	1.303	1.272	1.350	1.265	5.59
33)		Chrysene	1.487	1.410	1.529	1.610	1.559	1.464	1.509	1.510	4.32
34)		Bis(2-ethylhex...		0.628	0.550	0.498	0.457	0.485	0.546	0.527	11.57
35)	I	Perylene-d12	----------ISTD----------								

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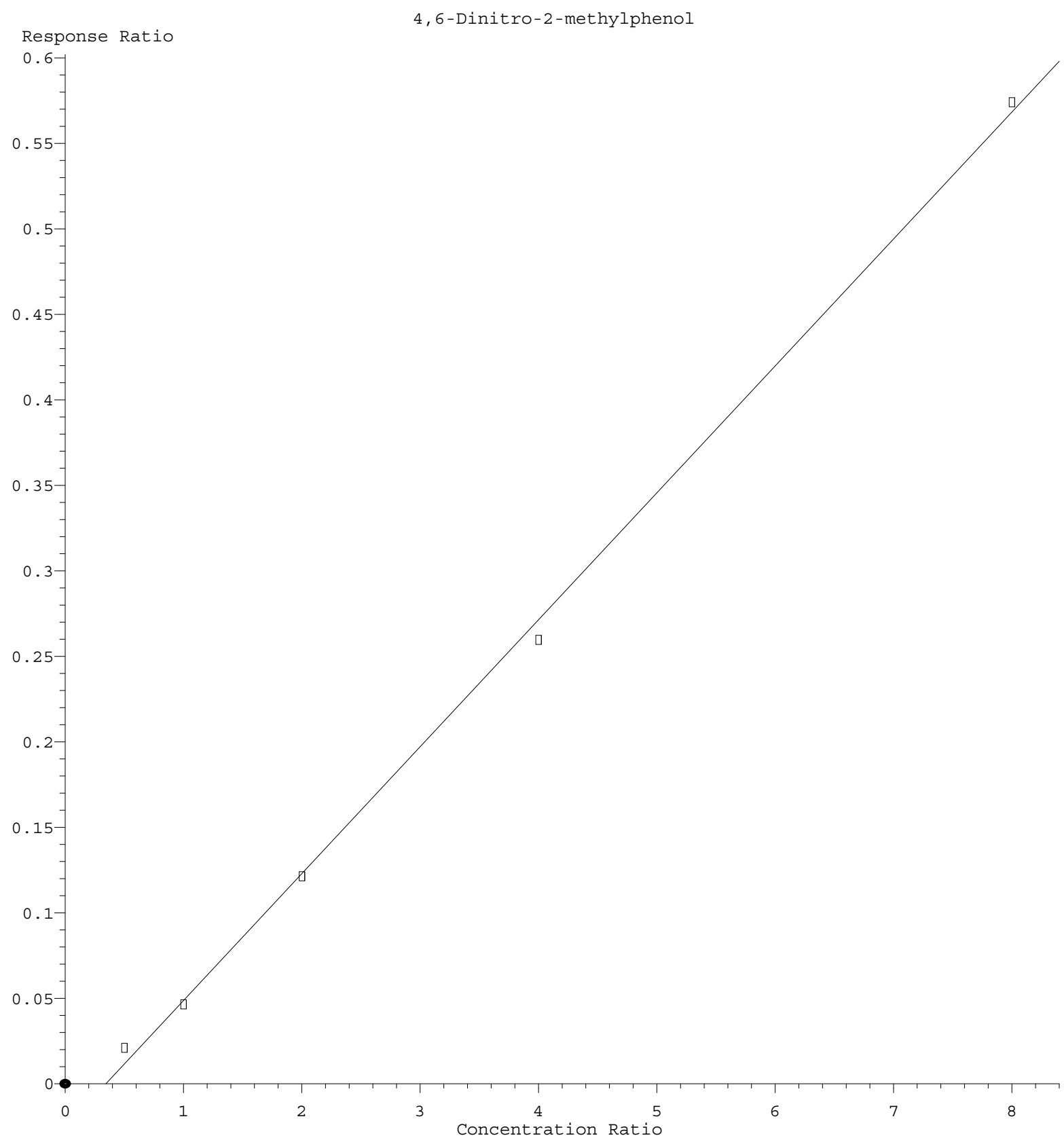
36)		Indeno(1,2,3-c...	1.594	1.543	1.765	1.863	1.772	1.717	1.744	1.714	6.44
37)		Benzo(b)fluora...	1.427	1.415	1.453	1.625	1.695	1.657	1.696	1.567	8.25
38)		Benzo(k)fluora...	1.514	1.538	1.626	1.746	1.760	1.628	1.701	1.645	5.87
39)	C	Benzo(a)pyrene	1.167	1.122	1.197	1.335	1.369	1.340	1.409	1.277	8.80
40)		Dibenzo(a,h)an...	1.212	1.185	1.352	1.458	1.390	1.355	1.369	1.331	7.36
41)		Benzo(g,h,i)pe...	1.446	1.408	1.505	1.608	1.534	1.477	1.491	1.495	4.30

(#) = Out of Range



Response = 7.421e-002 * Amt - 2.555e-002
Coef of Det (r^2) = 0.998694 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN091924.M
Calibration Table Last Updated: Wed Sep 18 16:09:28 2024