Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP091024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 10 17:57:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021870.D 5 =BP021871.D 10 =BP021872.D 20 =BP021873.D 40 =BP021874.D 50 =BP021875.D 60 =BP021876.D 80 =BP0218
77.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.677	0.924	0.654	0.795	0.588	0.584		0.704	18.83
3)		Pyridine		1.678	2.360	1.728	2.194	1.609	1.700	1.456	1.818	18.13
4)		n-Nitrosodimet...		0.675	0.910	0.615	0.767	0.560	0.596		0.687	19.08
5)	S	2-Fluorophenol		1.371	1.344	1.423	1.801	1.379	1.097	1.282	1.385	15.31
6)		Aniline		1.206	1.669	1.932	1.644	1.669	1.732	1.638	1.641	13.24
7)	S	Phenol-d6		1.292	1.819	2.056	1.864	2.004	2.134	1.952	1.874	14.85
8)		2-Chlorophenol		0.996	1.283	1.364	1.292	1.289	1.375	1.322	1.274	10.04
9)		Benzaldehyde		0.887	1.148	1.254	0.990	1.020	0.918	0.720	0.991	17.67
10)	C	Phenol		1.332	1.845	2.093	1.854	2.023	2.136	2.045	1.904	14.48
11)		bis(2-Chloroet...		1.076	1.424	1.649	1.434	1.532	1.612	1.528	1.465	13.01
12)		1,3-Dichlorobe...		1.565	1.480	1.544	1.472	1.418	1.462	1.397	1.477	4.13
13)	C	1,4-Dichlorobe...		1.549	1.515	1.556	1.511	1.429	1.483	1.437	1.497	3.36
14)		1,2-Dichlorobe...		1.531	1.424	1.522	1.838	1.364	1.421	1.364	1.495	11.08
15)		Benzyl Alcohol		1.193	1.265	1.422	1.636	1.367	1.456	1.409	1.392	10.20
16)		2,2'-oxybis(1-...		1.459	1.322	1.558	1.910	1.431	1.478	1.398	1.508	12.69
17)		2-Methylphenol		1.151	1.196	1.356	1.701	1.299	1.376	1.341	1.346	13.22
18)		Hexachloroethane		0.662	0.646	0.559	0.795	0.538	0.619	0.548	0.624	14.44
19)	P	n-Nitroso-di-n...	1.042	1.091	1.050	1.270	1.517	1.156	1.214	1.045	1.173	13.88
20)		3+4-Methylphenols		1.572	1.619	1.913	2.378	1.813	1.958	1.724	1.854	14.64
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.600	0.592	0.621	0.613	0.765	0.603	0.529	0.617	11.60
23)	S	Nitrobenzene-d5		0.434	0.420	0.397	0.463	0.490	0.455	0.431	0.441	6.92
24)		Nitrobenzene		0.454	0.432	0.395	0.470	0.414	0.458	0.440	0.438	6.02
25)		Isophorone		0.703	0.698	0.810	0.817	0.717	0.827	0.792	0.766	7.49
26)	C	2-Nitrophenol		0.129	0.133	0.148	0.162	0.155	0.170	0.169	0.152	10.95
27)		2,4-Dimethylph...		0.201	0.204	0.225	0.229	0.212	0.234	0.225	0.218	5.89
28)		bis(2-Chloroet...		0.494	0.469	0.529	0.526	0.454	0.515	0.499	0.498	5.70
29)	C	2,4-Dichloroph...		0.251	0.262	0.294	0.301	0.283	0.303	0.295	0.284	7.11
30)		1,2,4-Trichlor...		0.342	0.326	0.333	0.333	0.312	0.328	0.315	0.327	3.23
31)		Naphthalene		1.091	1.068	1.080	1.060	0.992	1.040	1.001	1.048	3.66
32)		Benzoic acid		0.177	0.212	0.232	0.252	0.262	0.277	0.275	0.241	15.19
33)		4-Chloroaniline		0.367	0.380	0.409	0.409	0.375	0.386	0.363	0.384	4.85
34)	C	Hexachlorobuta...		0.212	0.211	0.203	0.204	0.199	0.199	0.192	0.203	3.56
35)		Caprolactam		0.094	0.104	0.119	0.126	0.124	0.131	0.127	0.118	11.62
36)	C	4-Chloro-3-met...		0.339	0.389	0.426	0.428	0.432	0.437	0.422	0.410	8.56
37)		2-Methylnaphth...		0.709	0.680	0.727	0.716	0.698	0.702	0.674	0.701	2.69
38)		1-Methylnaphth...		0.704	0.691	0.728	0.704	0.688	0.708	0.675	0.700	2.41

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.516	0.544	0.552	0.397	0.534	0.525	0.516	10.45
41)	P	Hexachlorocycl...	0.158	0.165	0.173	0.191	0.138	0.173	0.167	0.167	9.71
42)	S	2,4,6-Tribromo...	0.199	0.235	0.207	0.237	0.222	0.227	0.228	0.222	6.39
43)	C	2,4,6-Trichlor...	0.298	0.313	0.349	0.366	0.270	0.364	0.362	0.332	11.54
44)		2,4,5-Trichlor...	0.353	0.371	0.411	0.424	0.314	0.414	0.415	0.386	10.64
45)	S	2-Fluorobiphenyl	1.330	1.251	1.279	1.291	0.957	1.221	1.183	1.216	10.19
46)		1,1'-Biphenyl	1.483	1.380	1.437	1.434	1.305	1.389	1.338	1.395	4.40
47)		2-Chloronaphth...	1.142	1.072	1.123	1.109	1.032	1.066	1.046	1.084	3.79
48)		2-Nitroaniline	0.321	0.332	0.391	0.406	0.393	0.406	0.397	0.378	9.46
49)		Acenaphthylene	1.539	1.568	1.674	1.674	1.553	1.640	1.585	1.605	3.57
50)		Dimethylphthalate	1.363	1.381	1.446	1.401	1.339	1.364	1.344	1.377	2.67
51)		2,6-Dinitrotol...	0.255	0.289	0.316	0.323	0.312	0.321	0.316	0.305	8.04
52)	C	Acenaphthene	1.083	1.043	1.075	1.076	0.970	1.026	0.989	1.037	4.31
53)		3-Nitroaniline	0.269	0.294	0.322	0.343	0.317	0.327	0.316	0.313	7.75
54)	P	2,4-Dinitrophenol	0.098	0.119	0.139	0.158	0.162	0.168	0.172	0.145	19.19
55)		Dibenzofuran	1.512	1.720	1.734	1.706	1.572	1.610	1.569	1.632	5.36
56)	P	4-Nitrophenol	0.181	0.243	0.288	0.301	0.294	0.297	0.295	0.271	16.41
57)		2,4-Dinitrotol...	0.299	0.398	0.442	0.455	0.448	0.450	0.447	0.420	13.52
58)		Fluorene	1.377	1.382	1.420	1.386	1.279	1.312	1.259	1.345	4.56
59)		2,3,4,6-Tetrac...	0.303	0.335	0.360	0.357	0.338	0.342	0.342	0.339	5.44
60)		Diethylphthalate	1.405	1.504	1.506	1.404	1.391	1.418	1.376	1.429	3.74
61)		4-Chlorophenyl...	0.677	0.675	0.686	0.675	0.622	0.621	0.610	0.652	5.00
62)		4-Nitroaniline	0.270	0.324	0.352	0.367	0.359	0.364	0.357	0.342	10.13
63)		Azobenzene	1.492	1.595	1.726	1.692	1.591	1.615	1.547	1.608	4.99
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.060	0.091	0.105	0.102	0.109		0.094	20.99
66)	c	n-Nitrosodiphe...	0.520	0.385	0.540	0.548	0.504	0.511	0.576	0.512	11.92
67)		4-Bromophenyl-...	0.181	0.180	0.188	0.192	0.180	0.188	0.210	0.189	5.66
68)		Hexachlorobenzene	0.225	0.219	0.225	0.227	0.214	0.221	0.244	0.225	4.11
69)		Atrazine	0.166	0.160	0.146	0.134	0.161	0.120	0.163	0.150	11.61
70)	C	Pentachlorophenol	0.115	0.125	0.142	0.157	0.146	0.151	0.172	0.144	13.40
71)		Phenanthrene	1.039	1.006	1.011	1.009	0.932	0.966	0.959	0.989	3.79
72)		Anthracene	0.955	0.922	0.992	0.999	0.907	0.933	1.032	0.963	4.77
73)		Carbazole	0.963	0.954	1.011	1.022	0.942	0.964	1.063	0.988	4.50
74)		Di-n-butylphth...	0.967	0.998	1.129	1.169	1.109	1.043	1.237	1.093	8.81
75)	C	Fluoranthene	1.202	1.204	1.270	1.288	1.188	0.907	1.320	1.197	11.47
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.239	0.229	0.281	0.421	0.241	0.219	0.298	0.276	25.47
78)		Pyrene	1.212	1.226	1.307	1.094	1.299	1.379	1.318	1.262	7.39
79)	S	Terphenyl-d14	0.957	0.939	0.999	0.780	0.949	1.019	0.913	0.936	8.32
80)		Butylbenzylpht...	0.417	0.443	0.518	0.563	0.547	0.593	0.555	0.519	12.55
81)		Benzo(a)anthra...	1.244	1.233	1.306	1.314	1.252	1.302	1.231	1.269	2.92
82)		3,3'-Dichlorob...	0.336	0.371	0.413	0.443	0.416	0.419	0.407	0.401	8.85
83)		Chrysene	1.262	1.215	1.238	1.252	1.184	1.233	1.167	1.222	2.86
84)		Bis(2-ethylhex...	0.603	0.644	0.758	0.796	0.799	0.834	0.772	0.744	11.62
85)	c	Di-n-octyl pht...	0.926	0.999	1.226	1.328	1.339	1.420	1.334	1.224	15.42

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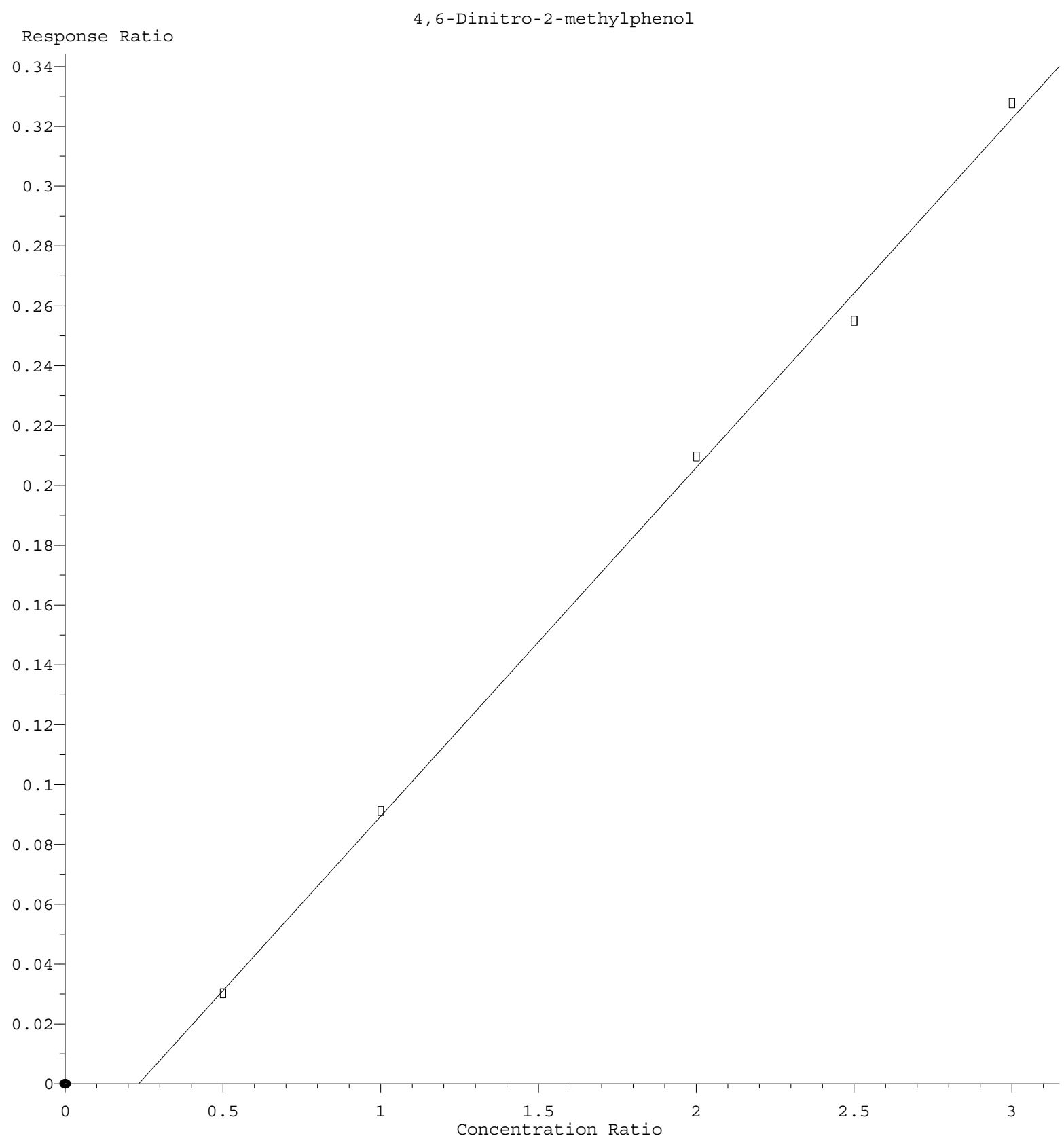
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.215	1.275	1.295	1.211	1.311	1.243	1.258	3.05
88)		Benzo(b)fluora...	1.098	1.074	1.197	1.199	1.128	1.194	1.173	1.152	4.47
89)		Benzo(k)fluora...	1.084	1.099	1.143	1.157	1.091	1.144	1.099	1.117	2.69
90)	C	Benzo(a)pyrene	0.912	0.928	1.018	1.062	0.996	1.050	1.023	0.998	5.81
91)		Dibenzo(a,h)an...	1.061	1.021	1.055	1.070	0.983	1.067	1.018	1.040	3.14
92)		Benzo(g,h,i)pe...	1.082	1.047	1.093	1.125	1.043	1.147	1.095	1.090	3.48

(#) = Out of Range



Response = 1.166e-001 * Amt - 2.713e-002
Coef of Det (r^2) = 0.997777 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP091024.M
Calibration Table Last Updated: Tue Sep 10 17:57:20 2024