Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF090925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 09 05:18:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143665.D 5 =BF143666.D 10 =BF143667.D 20 =BF143668.D 40 =BF143669.D 50 =BF143670.D 60 =BF143671.D 80 =BF1436
72.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.566	0.520	0.521	0.528	0.489	0.498	0.507	0.518	4.84
3)		Pyridine		1.272	1.315	1.374	1.403	1.321	1.352	1.362	1.343	3.22
4)		n-Nitrosodimet...			0.494	0.519	0.538	0.511	0.531	0.528	0.520	3.06
5)	S	2-Fluorophenol		1.164	1.165	1.187	1.178	1.096	1.158	1.151	1.157	2.55
6)		Aniline		1.886	1.891	1.947	1.950	1.839	1.907	1.866	1.898	2.15
7)	S	Phenol-d6		1.429	1.411	1.439	1.444	1.335	1.423	1.402	1.412	2.61
8)		2-Chlorophenol		1.227	1.213	1.281	1.309	1.213	1.299	1.257	1.257	3.22
9)		Benzaldehyde			0.938	0.845	1.109	0.847	1.118		0.971	13.89
10)	C	Phenol		1.561	1.534	1.580	1.703	1.579	1.648	1.592	1.599	3.58
11)		bis(2-Chloroet...		1.174	1.191	1.196	1.199	1.106	1.174	1.160	1.171	2.74
12)		1,3-Dichlorobe...		1.480	1.489	1.465	1.487	1.388	1.428	1.399	1.448	2.95
13)	C	1,4-Dichlorobe...		1.521	1.487	1.455	1.489	1.379	1.430	1.399	1.451	3.56
14)		1,2-Dichlorobe...		1.394	1.361	1.392	1.402	1.306	1.367	1.340	1.366	2.52
15)		Benzyl Alcohol			1.016	1.066	1.071	1.017	1.073	1.053	1.050	2.51
16)		2,2'-oxybis(1-...		1.613	1.630	1.627	1.601	1.466	1.569	1.506	1.573	4.06
17)		2-Methylphenol		1.032	1.002	1.059	1.063	0.994	1.055	1.027	1.033	2.68
18)		Hexachloroethane		0.487	0.444	0.477	0.487	0.460	0.476	0.476	0.472	3.27
19)	P	n-Nitroso-di-n...	0.871	0.894	0.884	0.920	0.901	0.828	0.888	0.869	0.882	3.09
20)		3+4-Methylphenols			1.371	1.376	1.359	1.251	1.326	1.282	1.328	3.87
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.485	0.461	0.464	0.450	0.423	0.437	0.425	0.449	5.10
23)	S	Nitrobenzene-d5		0.306	0.315	0.333	0.329	0.318	0.329	0.319	0.321	3.02
24)		Nitrobenzene		0.327	0.323	0.343	0.336	0.325	0.333	0.327	0.331	2.13
25)		Isophorone		0.633	0.618	0.636	0.621	0.610	0.626	0.614	0.623	1.55
26)	C	2-Nitrophenol		0.129	0.140	0.158	0.168	0.170	0.176	0.172	0.159	11.18
27)		2,4-Dimethylph...		0.299	0.291	0.296	0.296	0.282	0.295	0.284	0.292	2.25
28)		bis(2-Chloroet...		0.387	0.379	0.399	0.385	0.362	0.380	0.372	0.380	3.11
29)	C	2,4-Dichloroph...		0.293	0.287	0.301	0.296	0.290	0.303	0.289	0.294	2.05
30)		1,2,4-Trichlor...		0.312	0.309	0.315	0.304	0.295	0.303	0.294	0.305	2.71
31)		Naphthalene		1.039	1.012	1.004	0.990	0.940	0.974	0.926	0.984	4.09
32)		Benzoic acid			0.112	0.168	0.186	0.197	0.211	0.191	0.177	19.80
33)		4-Chloroaniline		0.364	0.346	0.362	0.349	0.330	0.338	0.324	0.345	4.41
34)	C	Hexachlorobuta...		0.210	0.197	0.203	0.201	0.195	0.199	0.195	0.200	2.65
35)		Caprolactam			0.076	0.085	0.083	0.079	0.082	0.080	0.081	3.79
36)	C	4-Chloro-3-met...		0.290	0.296	0.306	0.300	0.288	0.300	0.285	0.295	2.57
37)		2-Methylnaphth...		0.739	0.689	0.711	0.669	0.641	0.658	0.634	0.677	5.61
38)		1-Methylnaphth...		0.698	0.665	0.672	0.657	0.611	0.632	0.605	0.648	5.26

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF090925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.597	0.545	0.591	0.579	0.550	0.566	0.539	0.567	4.06
41)	P	Hexachlorocycl...		0.263	0.290	0.305	0.302	0.315	0.299	0.296	6.04
42)	S	2,4,6-Tribromo...	0.196	0.200	0.214	0.212	0.197	0.202	0.198	0.203	3.61
43)	C	2,4,6-Trichlor...	0.363	0.348	0.376	0.388	0.383	0.395	0.379	0.376	4.22
44)		2,4,5-Trichlor...	0.375	0.380	0.411	0.388	0.376	0.387	0.385	0.386	3.16
45)	S	2-Fluorobiphenyl	1.385	1.318	1.362	1.296	1.204	1.241	1.171	1.283	6.25
46)		1,1'-Biphenyl	1.542	1.456	1.497	1.457	1.356	1.421	1.347	1.440	4.93
47)		2-Chloronaphth...	1.157	1.114	1.164	1.130	1.075	1.121	1.069	1.119	3.28
48)		2-Nitroaniline	0.267	0.281	0.323	0.322	0.309	0.321	0.310	0.305	7.24
49)		Acenaphthylene	1.708	1.606	1.668	1.612	1.527	1.564	1.512	1.600	4.48
50)		Dimethylphthalate	1.354	1.299	1.365	1.335	1.247	1.302	1.263	1.309	3.40
51)		2,6-Dinitrotol...	0.203	0.223	0.261	0.267	0.259	0.270	0.267	0.250	10.54
52)	C	Acenaphthene	1.156	1.097	1.151	1.114	1.067	1.099	1.050	1.105	3.57
53)		3-Nitroaniline	0.240	0.259	0.281	0.281	0.262	0.276	0.272	0.267	5.53
54)	P	2,4-Dinitrophenol		0.071	0.102	0.119	0.132	0.136	0.140	0.117	22.68
55)		Dibenzofuran	1.713	1.622	1.661	1.602	1.490	1.520	1.474	1.583	5.72
56)	P	4-Nitrophenol		0.195	0.228	0.229	0.214	0.223	0.220	0.218	5.74
57)		2,4-Dinitrotol...	0.272	0.301	0.357	0.358	0.339	0.350	0.343	0.331	9.81
58)		Fluorene	1.361	1.298	1.327	1.252	1.136	1.178	1.133	1.241	7.52
59)		2,3,4,6-Tetrac...	0.295	0.301	0.335	0.327	0.318	0.324	0.313	0.316	4.53
60)		Diethylphthalate	1.304	1.247	1.304	1.259	1.164	1.199	1.155	1.233	5.01
61)		4-Chlorophenyl...	0.663	0.643	0.665	0.643	0.584	0.610	0.578	0.627	5.73
62)		4-Nitroaniline	0.233	0.256	0.275	0.271	0.252	0.255	0.257	0.257	5.33
63)		Azobenzene	1.126	1.096	1.147	1.105	1.033	1.058	1.027	1.085	4.27
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.068	0.094	0.104	0.111	0.117	0.119	0.102	18.46
66)	c	n-Nitrosodiphe...	0.657	0.633	0.657	0.666	0.643	0.655	0.649	0.651	1.67
67)		4-Bromophenyl-...	0.244	0.223	0.247	0.238	0.240	0.242	0.241	0.239	3.26
68)		Hexachlorobenzene	0.251	0.241	0.254	0.254	0.248	0.254	0.247	0.250	1.98
69)		Atrazine	0.211	0.210	0.223	0.214	0.208	0.209	0.202	0.211	3.10
70)	C	Pentachlorophenol		0.129	0.157	0.160	0.162	0.163	0.160	0.155	8.25
71)		Phenanthrene	1.180	1.090	1.145	1.107	1.035	1.067	1.036	1.094	4.97
72)		Anthracene	1.190	1.107	1.167	1.104	1.049	1.075	1.038	1.104	5.16
73)		Carbazole	1.021	0.939	0.976	0.943	0.857	0.874	0.859	0.924	6.83
74)		Di-n-butylphth...	1.119	1.129	1.194	1.142	1.046	1.093	1.062	1.112	4.53
75)	C	Fluoranthene	1.145	1.065	1.118	1.026	0.898	0.933	0.911	1.013	9.99
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.625	0.621	0.473	0.301	0.254	0.323	0.433	37.99
78)		Pyrene	1.664	1.659	1.755	1.700	1.492	1.497	1.474	1.606	7.17
79)	S	Terphenyl-d14	1.302	1.299	1.327	1.280	1.114	1.129	1.090	1.220	8.48
80)		Butylbenzylpht...	0.420	0.457	0.520	0.542	0.533	0.541	0.535	0.507	9.58
81)		Benzo(a)anthra...	1.291	1.287	1.292	1.324	1.225	1.256	1.276	1.279	2.43
82)		3,3'-Dichlorob...		0.327	0.365	0.384	0.362	0.362	0.365	0.361	5.10
83)		Chrysene	1.182	1.149	1.229	1.171	1.149	1.183	1.096	1.166	3.50
84)		Bis(2-ethylhex...	0.523	0.580	0.666	0.732	0.741	0.782	0.752	0.682	14.25
85)	c	Di-n-octyl pht...		0.841	1.007	1.219	1.342	1.379	1.346	1.189	18.38

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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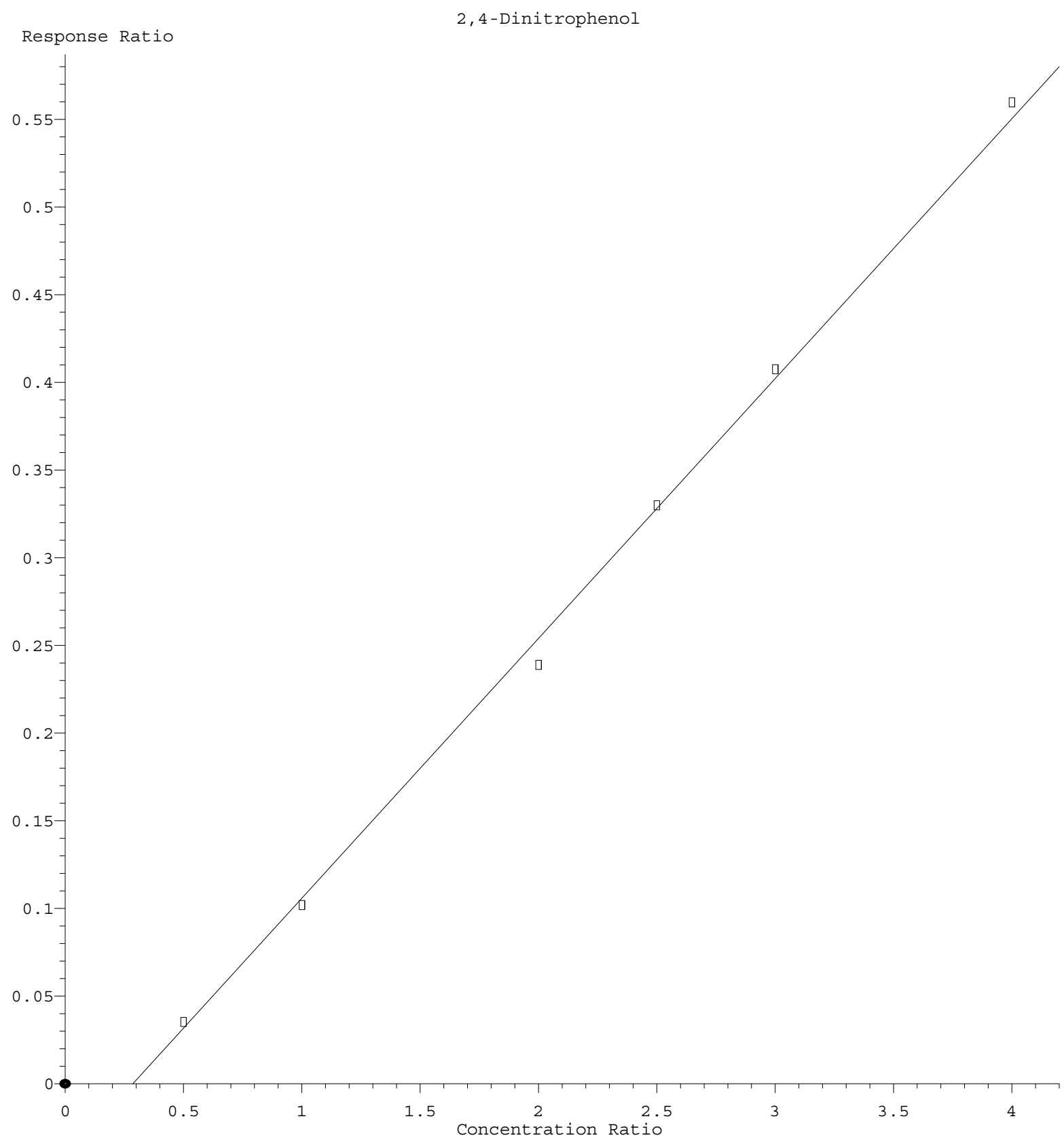
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.206	1.238	1.380	1.413	1.403	1.427	1.375	1.349	6.61
88)		Benzo(b)fluora...	1.262	1.236	1.229	1.244	1.195	1.242	1.128	1.219	3.71
89)		Benzo(k)fluora...	1.108	1.027	1.193	1.081	1.011	1.036	1.033	1.070	5.97
90)	C	Benzo(a)pyrene	1.015	1.018	1.080	1.088	1.028	1.077	1.015	1.046	3.24
91)		Dibenzo(a,h)an...	1.021	1.012	1.139	1.187	1.159	1.174	1.132	1.118	6.41
92)		Benzo(g,h,i)pe...	0.980	0.958	1.078	1.105	1.091	1.124	1.063	1.057	6.00

(#) = Out of Range



Response = 1.483e-001 * Amt - 4.237e-002
Coef of Det (r^2) = 0.998290 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF090925.M
Calibration Table Last Updated: Tue Sep 09 05:18:16 2025