Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG082825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 28 17:41:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064218.D 5 =BG064219.D 10 =BG064220.D 20 =BG064221.D 40 =BG064222.D 50 =BG064223.D 60 =BG064224.D 80 =BG0642
25.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.574	0.524	0.479	0.387	0.430	0.432	0.426	0.465	14.04
3)		Pyridine		1.449	1.375	1.377	1.338	1.315	1.371	1.349	1.368	3.09
4)		n-Nitrosodimet...			0.889	0.914	0.922	0.896	0.916	0.892	0.905	1.57
5)	S	2-Fluorophenol		1.126	1.094	1.155	1.104	1.075	1.117	1.133	1.115	2.36
6)		Aniline		2.030	2.048	2.158	2.125	2.151	2.203	2.110	2.118	2.90
7)	S	Phenol-d6		1.520	1.484	1.594	1.515	1.522	1.555	1.532	1.532	2.26
8)		2-Chlorophenol		1.318	1.287	1.381	1.418	1.360	1.407	1.364	1.362	3.44
9)		Benzaldehyde			1.181	1.115	1.375	1.193	1.439		1.260	11.00
10)	C	Phenol		1.590	1.627	1.750	1.669	1.739	1.745	1.699	1.688	3.71
11)		bis(2-Chloroet...		1.232	1.263	1.323	1.281	1.255	1.270	1.258	1.269	2.22
12)		1,3-Dichlorobe...		1.469	1.480	1.500	1.471	1.394	1.425	1.404	1.449	2.83
13)	C	1,4-Dichlorobe...		1.499	1.522	1.479	1.466	1.426	1.447	1.398	1.463	2.91
14)		1,2-Dichlorobe...		1.350	1.458	1.476	1.409	1.365	1.437	1.386	1.412	3.38
15)		Benzyl Alcohol			1.297	1.436	1.426	1.432	1.438	1.451	1.413	4.06
16)		2,2'-oxybis(1-...		2.923	2.920	2.979	2.897	2.826	2.931	2.803	2.897	2.14
17)		2-Methylphenol		1.188	1.243	1.349	1.261	1.218	1.305	1.246	1.258	4.28
18)		Hexachloroethane		0.555	0.578	0.574	0.583	0.572	0.568	0.567	0.571	1.57
19)	P	n-Nitroso-di-n...	1.008	1.162	1.160	1.239	1.203	1.211	1.230	1.164	1.172	6.24
20)		3+4-Methylphenols			1.734	1.765	1.702	1.750	1.787	1.753	1.749	1.65
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.533	0.485	0.522	0.502	0.496	0.513	0.492	0.506	3.42
23)	S	Nitrobenzene-d5		0.341	0.340	0.370	0.365	0.357	0.376	0.360	0.359	3.82
24)		Nitrobenzene		0.354	0.348	0.394	0.388	0.377	0.387	0.375	0.375	4.71
25)		Isophorone		0.749	0.723	0.787	0.748	0.733	0.754	0.724	0.745	2.97
26)	C	2-Nitrophenol		0.133	0.146	0.169	0.171	0.167	0.176	0.171	0.162	9.86
27)		2,4-Dimethylph...		0.275	0.271	0.300	0.297	0.276	0.291	0.279	0.284	4.03
28)		bis(2-Chloroet...		0.396	0.401	0.417	0.414	0.390	0.404	0.391	0.402	2.63
29)	C	2,4-Dichloroph...		0.289	0.278	0.319	0.310	0.299	0.311	0.294	0.300	4.70
30)		1,2,4-Trichlor...		0.332	0.305	0.327	0.319	0.308	0.317	0.305	0.316	3.42
31)		Naphthalene		1.104	1.012	1.077	1.036	1.004	1.041	0.986	1.037	4.01
32)		Benzoic acid			0.159	0.206	0.240	0.247	0.257	0.245	0.226	16.35
33)		4-Chloroaniline		0.369	0.379	0.414	0.421	0.411	0.419	0.402	0.402	5.08
34)	C	Hexachlorobuta...		0.242	0.236	0.236	0.237	0.224	0.236	0.225	0.234	2.93
35)		Caprolactam			0.108	0.129	0.123	0.112	0.114	0.110	0.116	7.13
36)	C	4-Chloro-3-met...		0.380	0.382	0.402	0.395	0.386	0.396	0.383	0.389	2.16
37)		2-Methylnaphth...		0.768	0.748	0.831	0.788	0.757	0.772	0.734	0.771	4.10
38)		1-Methylnaphth...		0.788	0.755	0.801	0.776	0.736	0.753	0.722	0.761	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG082825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.554	0.556	0.597	0.582	0.582	0.592	0.576	0.577	2.86
41)	P	Hexachlorocycl...		0.221	0.256	0.275	0.290	0.307	0.296	0.274	11.55
42)	S	2,4,6-Tribromo...	0.281	0.256	0.271	0.276	0.261	0.257	0.252	0.265	4.21
43)	C	2,4,6-Trichlor...	0.364	0.362	0.400	0.396	0.384	0.399	0.394	0.386	4.23
44)		2,4,5-Trichlor...	0.387	0.386	0.437	0.433	0.426	0.437	0.423	0.418	5.33
45)	S	2-Fluorobiphenyl	1.364	1.286	1.358	1.328	1.288	1.304	1.244	1.310	3.27
46)		1,1'-Biphenyl	1.459	1.412	1.488	1.494	1.449	1.471	1.424	1.457	2.13
47)		2-Chloronaphth...	1.090	1.059	1.113	1.113	1.096	1.117	1.078	1.095	1.94
48)		2-Nitroaniline	0.303	0.329	0.372	0.410	0.394	0.408	0.397	0.373	11.15
49)		Acenaphthylene	1.656	1.528	1.675	1.675	1.607	1.610	1.580	1.619	3.36
50)		Dimethylphthalate	1.672	1.476	1.569	1.555	1.462	1.446	1.417	1.514	5.90
51)		2,6-Dinitrotol...	0.238	0.269	0.301	0.322	0.300	0.315	0.305	0.293	10.00
52)	C	Acenaphthene	1.169	1.120	1.175	1.178	1.129	1.132	1.095	1.142	2.77
53)		3-Nitroaniline	0.275	0.279	0.316	0.331	0.314	0.322	0.312	0.307	6.93
54)	P	2,4-Dinitrophenol		0.096	0.137	0.178	0.184	0.190	0.190	0.163	23.29
55)		Dibenzofuran	1.913	1.756	1.840	1.833	1.762	1.754	1.722	1.797	3.73
56)	P	4-Nitrophenol		0.199	0.250	0.286	0.258	0.255	0.263	0.252	11.50
57)		2,4-Dinitrotol...	0.396	0.398	0.462	0.484	0.450	0.457	0.455	0.443	7.55
58)		Fluorene	1.567	1.478	1.549	1.529	1.416	1.398	1.373	1.473	5.30
59)		2,3,4,6-Tetrac...	0.392	0.378	0.419	0.419	0.413	0.404	0.393	0.402	3.91
60)		Diethylphthalate	1.830	1.577	1.665	1.688	1.536	1.530	1.516	1.620	7.06
61)		4-Chlorophenyl...	0.781	0.717	0.759	0.755	0.720	0.716	0.693	0.734	4.21
62)		4-Nitroaniline	0.267	0.275	0.311	0.351	0.332	0.331	0.325	0.313	9.93
63)		Azobenzene	1.490	1.422	1.511	1.503	1.407	1.393	1.381	1.444	3.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.107	0.118	0.121	0.129	0.128	0.115	14.38
66)	c	n-Nitrosodiphe...	0.553	0.518	0.571	0.562	0.542	0.564	0.542	0.550	3.23
67)		4-Bromophenyl-...	0.195	0.213	0.218	0.215	0.212	0.219	0.216	0.212	3.78
68)		Hexachlorobenzene	0.241	0.232	0.244	0.226	0.231	0.243	0.235	0.236	2.82
69)		Atrazine	0.240	0.230	0.231	0.240	0.224	0.224	0.220	0.230	3.42
70)	C	Pentachlorophenol		0.110	0.135	0.153	0.148	0.156	0.157	0.143	12.65
71)		Phenanthrene	1.103	1.032	1.090	1.084	1.020	1.041	1.015	1.055	3.45
72)		Anthracene	1.124	1.053	1.092	1.111	1.033	1.070	1.028	1.073	3.48
73)		Carbazole	0.986	0.908	0.960	1.002	0.917	0.935	0.909	0.945	4.01
74)		Di-n-butylphth...	1.196	1.089	1.146	1.211	1.096	1.119	1.093	1.136	4.47
75)	C	Fluoranthene	1.340	1.211	1.269	1.304	1.178	1.208	1.172	1.240	5.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.454	0.525	0.445	0.385	0.357	0.358	0.421	15.74
78)		Pyrene	1.292	1.236	1.286	1.303	1.216	1.269	1.218	1.260	2.88
79)	S	Terphenyl-d14	1.009	0.974	1.002	0.981	0.918	0.938	0.888	0.959	4.70
80)		Butylbenzylpht...	0.449	0.440	0.492	0.494	0.474	0.496	0.481	0.475	4.72
81)		Benzo(a)anthra...	1.323	1.238	1.312	1.296	1.248	1.295	1.244	1.280	2.75
82)		3,3'-Dichlorob...		0.401	0.440	0.429	0.410	0.416	0.404	0.417	3.65
83)		Chrysene	1.277	1.197	1.254	1.248	1.204	1.228	1.190	1.228	2.67
84)		Bis(2-ethylhex...	0.713	0.681	0.719	0.732	0.713	0.734	0.703	0.714	2.52
85)	c	Di-n-octyl pht...		1.160	1.266	1.263	1.228	1.303	1.239	1.243	3.90

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
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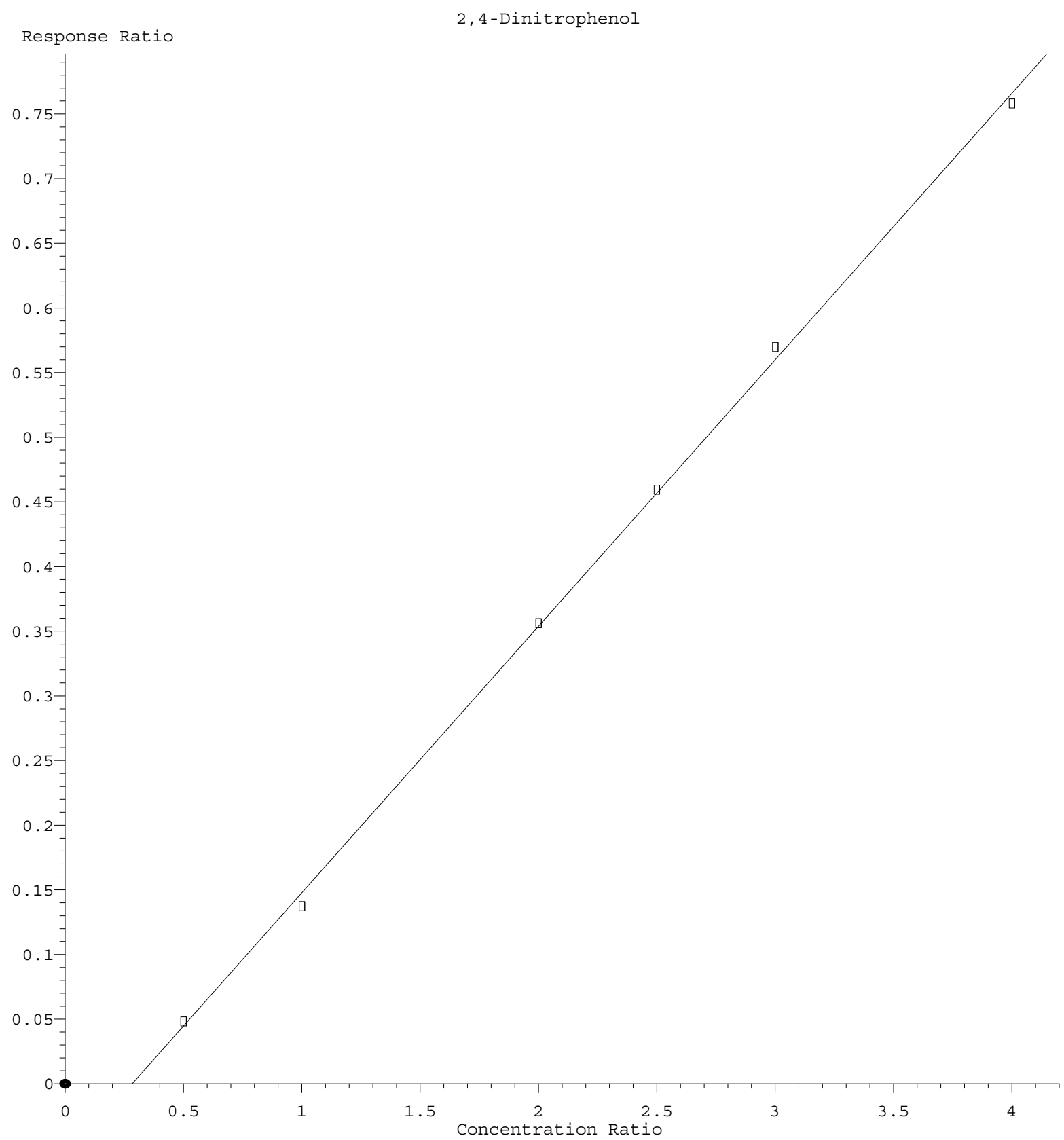
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.314	1.302	1.384	1.399	1.348	1.428	1.386	1.366	3.37
88)		Benzo(b)fluora...	1.079	1.081	1.145	1.176	1.104	1.164	1.153	1.129	3.56
89)		Benzo(k)fluora...	1.161	1.127	1.178	1.141	1.131	1.175	1.136	1.150	1.86
90)	C	Benzo(a)pyrene	1.019	0.978	1.076	1.084	1.047	1.091	1.055	1.050	3.83
91)		Dibenzo(a,h)an...	1.044	1.032	1.114	1.135	1.087	1.144	1.121	1.097	4.01
92)		Benzo(g,h,i)pe...	1.067	1.029	1.070	1.083	1.042	1.103	1.076	1.067	2.32

(#) = Out of Range



Response = 2.060e-001 * Amt - 5.822e-002
Coef of Det (r^2) = 0.999123 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG082825.M
Calibration Table Last Updated: Thu Aug 28 17:41:58 2025