Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Sep 09 15:20:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143676.D 5 =BF143677.D 10 =BF143678.D 20 =BF143679.D 40 =BF143680.D 50 =BF143681.D 60 =BF143682.D 80 =BF1436
83.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.561	0.515	0.536	0.536	0.494	0.514	0.504	0.523	4.36
3)		Pyridine		1.286	1.362	1.371	1.400	1.331	1.363	1.342	1.351	2.66
4)		n-Nitrosodimet...			0.504	0.519	0.522	0.496	0.519	0.518	0.513	1.99
5)	S	2-Fluorophenol	1.173	1.171	1.163	1.207	1.227	1.133	1.156	1.149	1.172	2.63
6)		Aniline		1.896	1.927	1.918	1.936	1.846	1.881	1.830	1.890	2.15
7)	S	Phenol-d6	1.434	1.429	1.424	1.484	1.469	1.381	1.413	1.385	1.427	2.52
8)		2-Chlorophenol		1.274	1.235	1.297	1.302	1.234	1.262	1.257	1.266	2.15
9)		Benzaldehyde			0.936	0.866	1.236	1.243	1.493	1.135	1.152	19.84
10)	C	Phenol		1.545	1.556	1.610	1.700	1.526	1.572	1.535	1.578	3.85
11)		bis(2-Chloroet...		1.220	1.172	1.208	1.201	1.138	1.166	1.143	1.178	2.75
12)		1,3-Dichlorobe...		1.462	1.448	1.485	1.500	1.409	1.435	1.397	1.448	2.60
13)	C	1,4-Dichlorobe...		1.509	1.447	1.512	1.499	1.428	1.439	1.395	1.461	3.11
14)		1,2-Dichlorobe...		1.430	1.416	1.397	1.412	1.342	1.342	1.323	1.380	3.13
15)		Benzyl Alcohol			1.019	1.069	1.070	1.012	1.040	1.020	1.038	2.51
16)		2,2'-oxybis(1-...		1.561	1.560	1.587	1.606	1.477	1.505	1.495	1.542	3.18
17)		2-Methylphenol		0.966	1.004	1.049	1.041	1.009	1.039	1.020	1.018	2.80
18)		Hexachloroethane		0.478	0.452	0.482	0.492	0.458	0.477	0.466	0.472	3.02
19)	P	n-Nitroso-di-n...	0.886	0.871	0.870	0.921	0.893	0.848	0.868	0.855	0.877	2.65
20)		3+4-Methylphenols			1.351	1.375	1.405	1.313	1.324	1.279	1.341	3.37
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.483	0.450	0.461	0.453	0.433	0.448	0.435	0.452	3.79
23)	S	Nitrobenzene-d5	0.290	0.325	0.318	0.328	0.330	0.319	0.334	0.327	0.322	4.34
24)		Nitrobenzene		0.330	0.325	0.344	0.341	0.325	0.337	0.333	0.333	2.27
25)		Isophorone		0.628	0.608	0.627	0.624	0.589	0.621	0.618	0.617	2.28
26)	C	2-Nitrophenol		0.143	0.148	0.164	0.170	0.171	0.176	0.176	0.164	8.28
27)		2,4-Dimethylph...		0.309	0.293	0.291	0.295	0.286	0.299	0.287	0.294	2.63
28)		bis(2-Chloroet...		0.390	0.376	0.384	0.384	0.363	0.379	0.378	0.379	2.25
29)	C	2,4-Dichloroph...		0.290	0.288	0.305	0.307	0.288	0.298	0.296	0.296	2.70
30)		1,2,4-Trichlor...		0.306	0.309	0.310	0.311	0.300	0.310	0.300	0.307	1.56
31)		Naphthalene		1.045	0.988	1.002	1.001	0.951	0.987	0.958	0.990	3.14
32)		Benzoic acid			0.126	0.161	0.180	0.184	0.207	0.218	0.180	18.36
33)		4-Chloroaniline		0.349	0.350	0.354	0.349	0.330	0.348	0.333	0.345	2.65
34)	C	Hexachlorobuta...		0.200	0.198	0.206	0.204	0.193	0.203	0.196	0.200	2.23
35)		Caprolactam			0.077	0.078	0.080	0.075	0.081	0.082	0.079	3.19
36)	C	4-Chloro-3-met...		0.281	0.291	0.295	0.306	0.283	0.296	0.291	0.292	2.89
37)		2-Methylnaphth...		0.722	0.687	0.690	0.680	0.647	0.671	0.646	0.678	3.92
38)		1-Methylnaphth...		0.687	0.667	0.660	0.656	0.622	0.644	0.618	0.650	3.79

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.580	0.578	0.597	0.580	0.552	0.574	0.546	0.573	3.10
41)	P	Hexachlorocycl...			0.258	0.289	0.308	0.309	0.305	0.294	0.294	6.55
42)	S	2,4,6-Tribromo...	0.181	0.209	0.197	0.214	0.208	0.199	0.210	0.195	0.202	5.40
43)	C	2,4,6-Trichlor...		0.370	0.362	0.405	0.402	0.372	0.383	0.382	0.382	4.23
44)		2,4,5-Trichlor...		0.377	0.385	0.378	0.403	0.387	0.409	0.382	0.389	3.15
45)	S	2-Fluorobiphenyl	1.397	1.405	1.355	1.366	1.333	1.261	1.286	1.188	1.324	5.59
46)		1,1'-Biphenyl		1.481	1.455	1.507	1.478	1.394	1.420	1.343	1.440	3.98
47)		2-Chloronaphth...		1.186	1.118	1.174	1.158	1.075	1.122	1.069	1.129	4.08
48)		2-Nitroaniline		0.272	0.279	0.308	0.312	0.305	0.309	0.306	0.299	5.46
49)		Acenaphthylene		1.656	1.623	1.678	1.644	1.566	1.621	1.529	1.617	3.22
50)		Dimethylphthalate		1.335	1.337	1.330	1.323	1.240	1.300	1.243	1.301	3.27
51)		2,6-Dinitrotol...		0.207	0.229	0.257	0.262	0.259	0.269	0.258	0.249	8.94
52)	C	Acenaphthene		1.143	1.138	1.147	1.132	1.060	1.120	1.060	1.114	3.42
53)		3-Nitroaniline		0.264	0.256	0.272	0.280	0.259	0.277	0.266	0.268	3.41
54)	P	2,4-Dinitrophenol			0.074	0.097	0.121	0.116	0.138	0.138	0.114	21.86
55)		Dibenzofuran		1.714	1.641	1.651	1.612	1.539	1.582	1.476	1.602	4.88
56)	P	4-Nitrophenol			0.204	0.218	0.223	0.201	0.221	0.212	0.213	4.19
57)		2,4-Dinitrotol...		0.294	0.325	0.351	0.356	0.337	0.356	0.351	0.339	6.75
58)		Fluorene		1.352	1.290	1.301	1.283	1.187	1.222	1.143	1.254	5.79
59)		2,3,4,6-Tetrac...		0.295	0.306	0.324	0.328	0.313	0.327	0.313	0.315	3.90
60)		Diethylphthalate		1.259	1.258	1.260	1.245	1.152	1.218	1.160	1.222	3.87
61)		4-Chlorophenyl...		0.667	0.660	0.662	0.649	0.604	0.623	0.587	0.636	4.97
62)		4-Nitroaniline		0.231	0.248	0.267	0.264	0.243	0.267	0.255	0.254	5.39
63)		Azobenzene		1.146	1.101	1.107	1.098	1.034	1.059	1.016	1.080	4.22
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.074	0.094	0.106	0.104	0.117	0.117	0.102	15.85
66)	c	n-Nitrosodiphe...		0.653	0.627	0.674	0.676	0.639	0.672	0.645	0.655	2.92
67)		4-Bromophenyl-...		0.228	0.238	0.247	0.255	0.238	0.243	0.239	0.241	3.48
68)		Hexachlorobenzene		0.251	0.246	0.257	0.262	0.252	0.261	0.255	0.255	2.18
69)		Atrazine		0.207	0.209	0.216	0.206	0.196	0.204	0.199	0.205	3.17
70)	C	Pentachlorophenol			0.126	0.151	0.164	0.153	0.166	0.164	0.154	9.74
71)		Phenanthrene		1.166	1.109	1.134	1.114	1.061	1.086	1.043	1.102	3.83
72)		Anthracene		1.153	1.104	1.149	1.134	1.070	1.096	1.050	1.108	3.56
73)		Carbazole		0.939	0.919	0.943	0.925	0.866	0.895	0.866	0.907	3.57
74)		Di-n-butylphth...		1.085	1.121	1.122	1.116	1.055	1.085	1.064	1.093	2.53
75)	C	Fluoranthene		1.123	1.069	1.064	1.009	0.930	0.959	0.927	1.012	7.56
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine			0.605	0.601	0.655	0.770	0.764	0.518	0.652	15.21
78)		Pyrene		1.770	1.712	1.706	1.529	1.459	1.524	1.493	1.599	7.87
79)	S	Terphenyl-d14	1.345	1.401	1.302	1.282	1.173	1.102	1.166	1.103	1.234	9.21
80)		Butylbenzylpht...		0.413	0.460	0.519	0.517	0.519	0.546	0.533	0.501	9.45
81)		Benzo(a)anthra...		1.298	1.288	1.312	1.246	1.278	1.312	1.273	1.287	1.84
82)		3,3'-Dichlorob...			0.347	0.396	0.405	0.410	0.421	0.396	0.396	6.49
83)		Chrysene		1.220	1.187	1.233	1.185	1.119	1.168	1.136	1.178	3.53
84)		Bis(2-ethylhex...		0.595	0.611	0.718	0.759	0.774	0.772	0.774	0.715	11.02
85)	c	Di-n-octyl pht...			0.963	1.233	1.335	1.383	1.386	1.385	1.281	12.98

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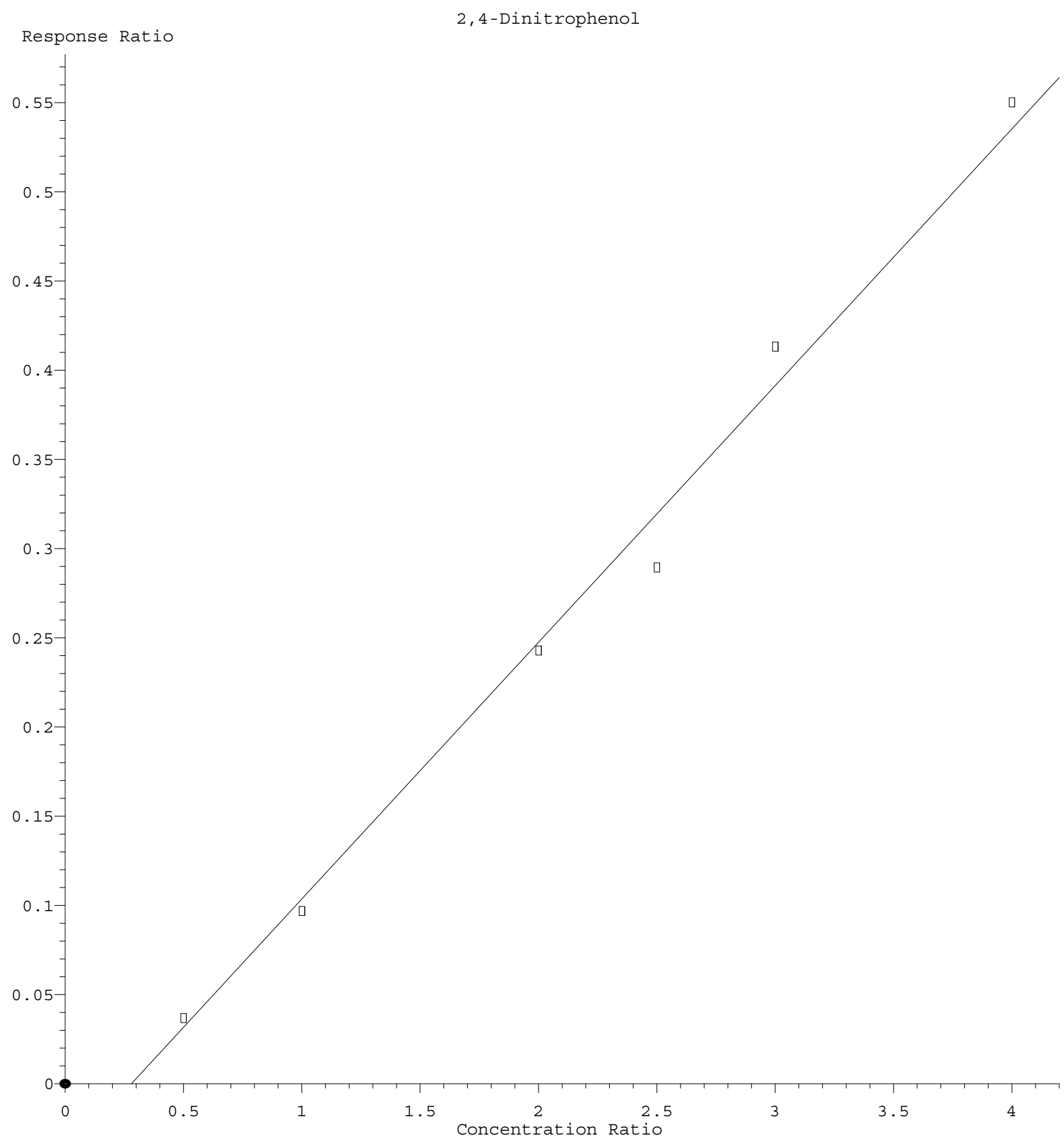
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.239	1.290	1.407	1.440	1.369	1.442	1.368	1.365	5.58
88)		Benzo(b)fluora...	1.229	1.183	1.171	1.154	1.195	1.203	1.198	1.191	2.03
89)		Benzo(k)fluora...	1.090	1.068	1.138	1.169	0.996	1.082	0.978	1.074	6.45
90)	C	Benzo(a)pyrene	1.035	1.015	1.058	1.085	1.026	1.083	1.019	1.046	2.83
91)		Dibenzo(a,h)an...	1.047	1.065	1.167	1.185	1.130	1.205	1.128	1.132	5.24
92)		Benzo(g,h,i)pe...	0.994	0.992	1.084	1.102	1.058	1.130	1.054	1.059	4.91

(#) = Out of Range



Response = 1.439e-001 * Amt - 4.026e-002
Coef of Det (r^2) = 0.993399 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF091025.M
Calibration Table Last Updated: Tue Sep 09 15:20:16 2025