Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF051424.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed May 15 04:12:16 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF137910.D 5 =BF137911.D 10 =BF137912.D 20 =BF137913.D 40 =BF137914.D 50 =BF137915.D 60 =BF137916.D 80 =BF1379
17.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.531	0.510	0.525	0.507	0.488	0.506	0.505	0.510	2.80
3)		Pyridine		1.050	1.087	1.182	1.160	1.147	1.197	1.188	1.144	4.84
4)		n-Nitrosodimet...		0.503	0.501	0.516	0.496	0.495	0.519	0.505	0.505	1.84
5)	S	2-Fluorophenol		1.264	1.212	1.237	1.157	1.118	1.156	1.096	1.177	5.28
6)		Aniline		1.265	1.259	1.333	1.293	1.279	1.343	1.309	1.297	2.51
7)	S	Phenol-d6		1.601	1.511	1.525	1.414	1.372	1.390	1.340	1.450	6.62
8)		2-Chlorophenol		1.371	1.316	1.334	1.260	1.207	1.238	1.193	1.274	5.30
9)		Benzaldehyde			0.935	0.905	0.788	0.736	0.701	0.643	0.785	14.70
10)	C	Phenol		1.587	1.517	1.527	1.439	1.402	1.413	1.363	1.464	5.52
11)		bis(2-Chloroet...		1.203	1.148	1.170	1.107	1.078	1.100	1.063	1.124	4.55
12)		1,3-Dichlorobe...		1.596	1.525	1.567	1.446	1.396	1.419	1.370	1.474	5.99
13)	C	1,4-Dichlorobe...		1.598	1.533	1.567	1.452	1.404	1.433	1.372	1.480	5.82
14)		1,2-Dichlorobe...		1.540	1.467	1.475	1.359	1.309	1.329	1.270	1.393	7.25
15)		Benzyl Alcohol		0.921	0.916	0.968	1.012	0.980	1.001	0.981	0.968	3.82
16)		2,2'-oxybis(1-...		1.475	1.427	1.444	1.371	1.317	1.341	1.298	1.382	4.90
17)		2-Methylphenol		1.071	1.033	1.054	1.003	0.977	0.997	0.978	1.016	3.65
18)		Hexachloroethane		0.524	0.500	0.531	0.500	0.480	0.494	0.476	0.501	4.10
19)	P	n-Nitroso-di-n...	0.856	0.851	0.841	0.846	0.801	0.770	0.793	0.761	0.815	4.71
20)		3+4-Methylphenols		1.456	1.382	1.411	1.315	1.261	1.276	1.218	1.331	6.54
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.481	0.467	0.474	0.431	0.431	0.430	0.423	0.448	5.53
23)	S	Nitrobenzene-d5		0.345	0.344	0.358	0.332	0.331	0.337	0.332	0.340	2.88
24)		Nitrobenzene		0.350	0.352	0.361	0.337	0.337	0.339	0.336	0.345	2.84
25)		Isophorone		0.611	0.592	0.616	0.577	0.572	0.577	0.584	0.590	2.97
26)	C	2-Nitrophenol		0.159	0.166	0.179	0.175	0.177	0.176	0.181	0.173	4.54
27)		2,4-Dimethylph...		0.226	0.220	0.232	0.220	0.221	0.221	0.221	0.223	2.02
28)		bis(2-Chloroet...		0.380	0.365	0.377	0.346	0.343	0.346	0.345	0.357	4.56
29)	C	2,4-Dichloroph...		0.273	0.283	0.296	0.280	0.274	0.280	0.277	0.280	2.76
30)		1,2,4-Trichlor...		0.334	0.316	0.329	0.304	0.300	0.309	0.301	0.313	4.39
31)		Naphthalene		1.086	1.042	1.070	0.976	0.953	0.966	0.946	1.006	5.84
32)		Benzoic acid			0.147	0.175	0.190	0.195	0.211	0.214	0.189	13.26
33)		4-Chloroaniline		0.317	0.327	0.342	0.329	0.327	0.336	0.329	0.330	2.35
34)	C	Hexachlorobuta...		0.208	0.201	0.207	0.193	0.193	0.196	0.191	0.198	3.54
35)		Caprolactam		0.080	0.080	0.081	0.083	0.079	0.081	0.084	0.081	2.34
36)	C	4-Chloro-3-met...		0.287	0.286	0.300	0.283	0.275	0.281	0.285	0.285	2.68
37)		2-Methylnaphth...		0.709	0.672	0.681	0.627	0.617	0.611	0.608	0.646	6.26
38)		1-Methylnaphth...		0.702	0.671	0.670	0.614	0.600	0.600	0.592	0.635	6.98

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.587	0.547	0.567	0.518	0.527	0.535	0.525	0.544	4.66
41)	P	Hexachlorocycl...	0.171	0.176	0.210	0.213	0.220	0.227	0.229	0.207	11.40
42)	S	2,4,6-Tribromo...	0.206	0.203	0.207	0.205	0.194	0.197	0.201	0.202	2.41
43)	C	2,4,6-Trichlor...	0.359	0.354	0.373	0.350	0.349	0.357	0.354	0.357	2.35
44)		2,4,5-Trichlor...	0.393	0.387	0.407	0.389	0.380	0.390	0.385	0.390	2.17
45)	S	2-Fluorobiphenyl	1.483	1.396	1.402	1.218	1.212	1.208	1.169	1.298	9.61
46)		1,1'-Biphenyl	1.537	1.454	1.489	1.333	1.336	1.349	1.321	1.403	6.30
47)		2-Chloronaphth...	1.204	1.155	1.187	1.075	1.072	1.087	1.059	1.120	5.40
48)		2-Nitroaniline	0.272	0.279	0.294	0.290	0.282	0.294	0.296	0.287	3.17
49)		Acenaphthylene	1.709	1.646	1.709	1.575	1.546	1.563	1.523	1.610	4.81
50)		Dimethylphthalate	1.348	1.294	1.306	1.227	1.187	1.208	1.210	1.254	4.87
51)		2,6-Dinitrotol...	0.286	0.285	0.298	0.288	0.282	0.288	0.288	0.288	1.74
52)	C	Acenaphthene	1.131	1.070	1.114	1.033	1.029	1.043	1.028	1.064	4.01
53)		3-Nitroaniline	0.281	0.274	0.288	0.284	0.277	0.280	0.286	0.281	1.75
54)	P	2,4-Dinitrophenol		0.079	0.110	0.138	0.139	0.149	0.160	0.129	22.94
55)		Dibenzofuran	1.681	1.619	1.644	1.497	1.464	1.490	1.446	1.549	6.19
56)	P	4-Nitrophenol	0.163	0.187	0.206	0.218	0.209	0.210	0.223	0.202	10.30
57)		2,4-Dinitrotol...	0.346	0.371	0.385	0.385	0.364	0.371	0.382	0.372	3.77
58)		Fluorene	1.368	1.279	1.277	1.194	1.147	1.176	1.133	1.225	7.00
59)		2,3,4,6-Tetrac...	0.307	0.304	0.319	0.312	0.297	0.305	0.302	0.306	2.32
60)		Diethylphthalate	1.255	1.208	1.214	1.165	1.110	1.124	1.123	1.171	4.75
61)		4-Chlorophenyl...	0.649	0.637	0.631	0.593	0.573	0.580	0.566	0.604	5.62
62)		4-Nitroaniline	0.255	0.269	0.265	0.279	0.262	0.265	0.274	0.267	3.00
63)		Azobenzene	1.144	1.091	1.118	1.049	1.009	1.027	1.022	1.065	4.90
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.120	0.122	0.126	0.128	0.115	12.95
66)	c	n-Nitrosodiphe...	0.644	0.616	0.649	0.592	0.603	0.606	0.585	0.613	4.01
67)		4-Bromophenyl-...	0.226	0.217	0.230	0.211	0.216	0.219	0.216	0.219	2.99
68)		Hexachlorobenzene	0.259	0.241	0.253	0.232	0.239	0.240	0.233	0.242	4.10
69)		Atrazine	0.187	0.185	0.179	0.170	0.156	0.152	0.143	0.167	10.31
70)	C	Pentachlorophenol	0.103	0.129	0.148	0.153	0.152	0.155	0.153	0.142	13.47
71)		Phenanthrene	1.079	1.030	1.041	0.947	0.945	0.945	0.911	0.986	6.42
72)		Anthracene	1.053	1.008	1.036	0.946	0.941	0.948	0.912	0.978	5.55
73)		Carbazole	0.961	0.929	0.939	0.875	0.851	0.859	0.839	0.893	5.43
74)		Di-n-butylphth...	1.027	1.023	1.020	1.006	0.955	0.957	0.952	0.991	3.54
75)	C	Fluoranthene	1.097	1.081	1.039	1.004	0.942	0.927	0.912	1.000	7.52
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.115	0.118	0.373	0.324	0.327	0.311	0.261	43.64
78)		Pyrene	1.711	1.660	1.888	1.661	1.739	1.823	1.762	1.749	4.80
79)	S	Terphenyl-d14	1.416	1.330	1.458	1.280	1.332	1.364	1.320	1.357	4.51
80)		Butylbenzylpht...	0.478	0.493	0.526	0.550	0.535	0.548	0.564	0.528	6.02
81)		Benzo(a)anthra...	1.278	1.270	1.317	1.230	1.232	1.260	1.270	1.265	2.33
82)		3,3'-Dichlorob...	0.301	0.311	0.364	0.349	0.368	0.384	0.377	0.351	9.24
83)		Chrysene	1.269	1.211	1.261	1.165	1.171	1.204	1.191	1.210	3.38
84)		Bis(2-ethylhex...	0.620	0.658	0.647	0.694	0.657	0.672	0.695	0.663	3.99
85)	c	Di-n-octyl pht...	0.780	0.803	0.833	0.931	0.933	0.969	1.024	0.896	10.22

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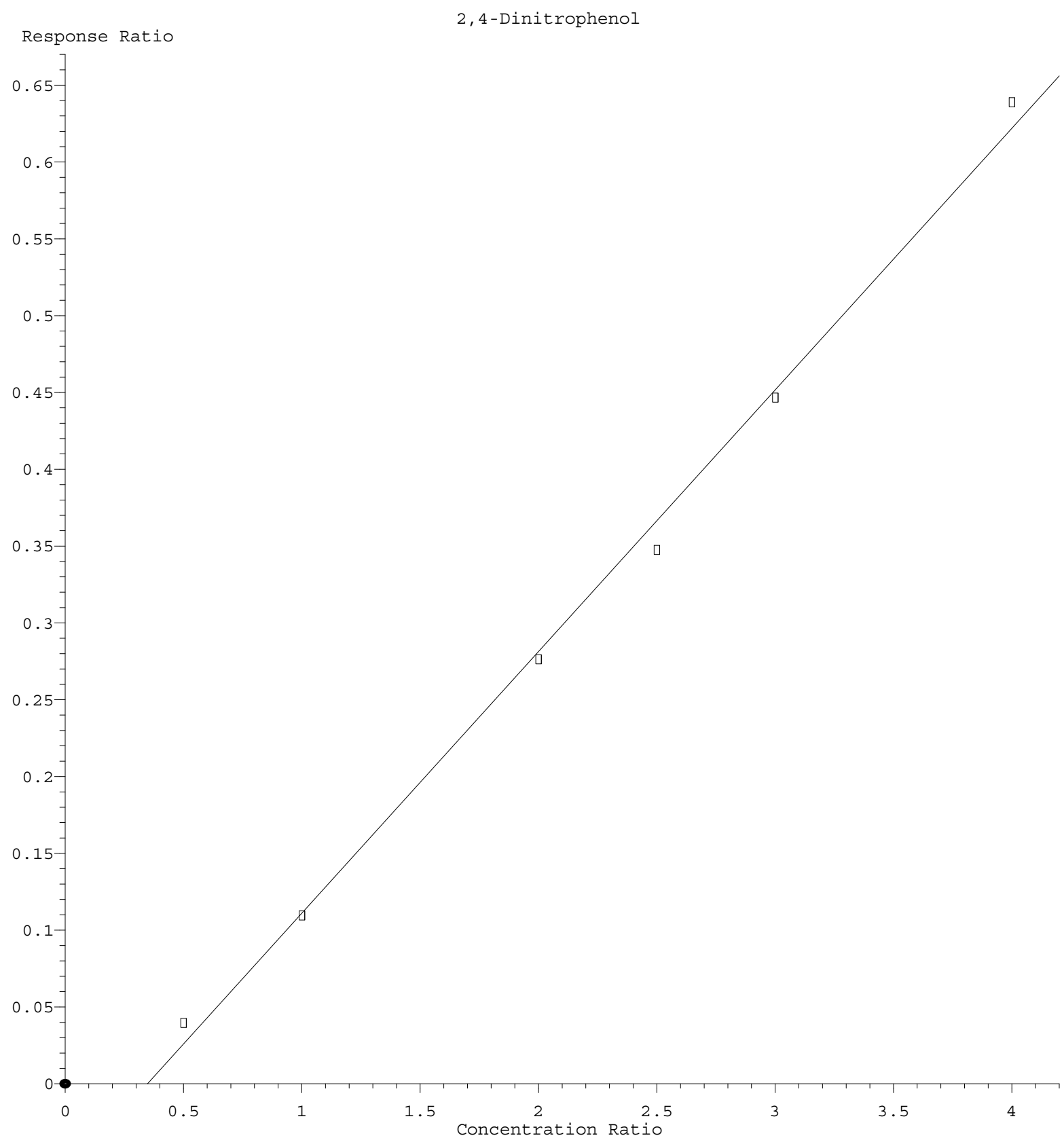
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.061	1.034	1.380	1.248	1.403	1.454	1.415	1.285	13.59
88)		Benzo(b)fluora...	1.198	1.187	1.165	1.207	1.110	1.100	1.139	1.158	3.69
89)		Benzo(k)fluora...	1.233	1.210	1.193	1.127	1.071	1.073	1.056	1.138	6.49
90)	C	Benzo(a)pyrene	0.978	0.948	1.018	0.996	0.975	1.002	1.005	0.989	2.40
91)		Dibenzo(a,h)an...	0.889	0.863	1.143	1.038	1.155	1.200	1.143	1.062	12.81
92)		Benzo(g,h,i)pe...	0.931	0.895	1.202	1.070	1.223	1.261	1.224	1.115	13.52

(#) = Out of Range



Response = 1.703e-001 * Amt - 5.934e-002
Coef of Det (r^2) = 0.996330 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF051424.M
Calibration Table Last Updated: Wed May 15 04:12:16 2024