Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM032824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Mar 29 01:24:21 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM044798.D 5 =BM044799.D 10 =BM044800.D 20 =BM044801.D 40 =BM044802.D 50 =BM044803.D 60 =BM044804.D 80 =BM0448
05.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.558	0.566	0.575	0.530	0.550	0.567	0.518	0.552	3.79
3)		Pyridine		1.375	1.486	1.632	1.516	1.594	1.653	1.600	1.551	6.32
4)		n-Nitrosodimet...		0.822	0.776	0.839	0.767	0.821	0.840	0.830	0.814	3.64
5)	S	2-Fluorophenol		1.384	1.393	1.452	1.344	1.399	1.440	1.363	1.396	2.78
6)		Aniline		1.972	2.055	2.240	2.015	2.098	2.181	2.207	2.110	4.85
7)	S	Phenol-d6		1.688	1.780	1.945	1.733	1.808	1.861	1.864	1.811	4.80
8)		2-Chlorophenol		1.365	1.427	1.494	1.352	1.396	1.448	1.419	1.414	3.45
9)		Benzaldehyde		1.003	1.065	1.095	0.888	0.875	0.869	0.800	0.942	11.89
10)	C	Phenol		1.665	1.743	1.935	1.703	1.785	1.854	1.835	1.788	5.23
11)		bis(2-Chloroet...		1.351	1.395	1.506	1.369	1.379	1.442	1.413	1.408	3.73
12)		1,3-Dichlorobe...		1.453	1.498	1.553	1.418	1.463	1.521	1.438	1.478	3.26
13)	C	1,4-Dichlorobe...		1.501	1.542	1.571	1.430	1.470	1.534	1.462	1.502	3.36
14)		1,2-Dichlorobe...		1.441	1.483	1.513	1.372	1.425	1.483	1.416	1.448	3.35
15)		Benzyl Alcohol		1.135	1.195	1.332	1.183	1.214	1.274	1.351	1.240	6.49
16)		2,2'-oxybis(1-...		2.114	2.177	2.285	2.005	2.051	2.140	2.111	2.126	4.24
17)		2-Methylphenol		1.201	1.247	1.352	1.191	1.242	1.290	1.315	1.263	4.69
18)		Hexachloroethane		0.575	0.578	0.624	0.563	0.584	0.602	0.573	0.585	3.55
19)	P	n-Nitroso-di-n...	1.036	1.038	1.105	1.219	1.033	1.056	1.109	1.172	1.096	6.34
20)		3+4-Methylphenols		1.548	1.671	1.863	1.618	1.678	1.745	1.820	1.706	6.51
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.519	0.522	0.567	0.533	0.544	0.567	0.545	0.542	3.62
23)	S	Nitrobenzene-d5		0.413	0.424	0.460	0.441	0.455	0.469	0.444	0.444	4.45
24)		Nitrobenzene		0.400	0.422	0.452	0.430	0.441	0.458	0.430	0.433	4.51
25)		Isophorone		0.679	0.682	0.772	0.695	0.703	0.735	0.742	0.715	4.90
26)	C	2-Nitrophenol		0.168	0.174	0.196	0.192	0.199	0.209	0.199	0.191	7.74
27)		2,4-Dimethylph...		0.296	0.298	0.331	0.309	0.313	0.332	0.317	0.314	4.53
28)		bis(2-Chloroet...		0.428	0.439	0.478	0.443	0.444	0.467	0.448	0.450	3.82
29)	C	2,4-Dichloroph...		0.270	0.287	0.318	0.307	0.309	0.324	0.316	0.304	6.40
30)		1,2,4-Trichlor...		0.311	0.311	0.329	0.316	0.323	0.338	0.315	0.320	3.16
31)		Naphthalene		1.072	1.080	1.146	1.079	1.093	1.137	1.084	1.099	2.73
32)		Benzoic acid			0.183	0.238	0.230	0.234	0.253	0.276	0.235	13.13
33)		4-Chloroaniline		0.413	0.424	0.485	0.445	0.453	0.475	0.476	0.453	6.09
34)	C	Hexachlorobuta...		0.193	0.184	0.197	0.184	0.190	0.199	0.184	0.190	3.29
35)		Caprolactam		0.073	0.080	0.097	0.087	0.088	0.094	0.102	0.089	11.29
36)	C	4-Chloro-3-met...		0.292	0.304	0.347	0.306	0.307	0.322	0.338	0.317	6.24
37)		2-Methylnaphth...		0.712	0.700	0.772	0.694	0.700	0.737	0.730	0.721	3.85
38)		1-Methylnaphth...		0.670	0.658	0.719	0.645	0.650	0.680	0.681	0.672	3.71

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.618	0.625	0.618	0.651	0.662	0.605	0.626	3.68
41)	P	Hexachlorocycl...	0.262	0.293	0.328	0.351	0.372	0.390	0.353	0.336	13.40
42)	S	2,4,6-Tribromo...	0.206	0.204	0.229	0.214	0.219	0.228	0.231	0.219	5.14
43)	C	2,4,6-Trichlor...	0.379	0.405	0.424	0.414	0.436	0.444	0.428	0.419	5.21
44)		2,4,5-Trichlor...	0.445	0.450	0.498	0.478	0.499	0.507	0.498	0.482	5.24
45)	S	2-Fluorobiphenyl	1.533	1.524	1.586	1.533	1.607	1.630	1.517	1.562	2.91
46)		1,1'-Biphenyl	1.585	1.567	1.661	1.590	1.657	1.682	1.588	1.619	2.85
47)		2-Chloronaphth...	1.157	1.182	1.235	1.202	1.264	1.278	1.204	1.217	3.59
48)		2-Nitroaniline	0.368	0.382	0.438	0.422	0.444	0.449	0.448	0.422	7.91
49)		Acenaphthylene	1.848	1.851	1.988	1.890	1.978	1.999	1.954	1.930	3.39
50)		Dimethylphthalate	1.398	1.367	1.482	1.359	1.379	1.424	1.436	1.406	3.12
51)		2,6-Dinitrotol...	0.269	0.290	0.322	0.303	0.311	0.318	0.320	0.305	6.37
52)	C	Acenaphthene	1.093	1.123	1.178	1.107	1.163	1.175	1.153	1.142	2.98
53)		3-Nitroaniline	0.290	0.307	0.359	0.353	0.366	0.377	0.379	0.347	10.08
54)	P	2,4-Dinitrophenol		0.107	0.152	0.162	0.169	0.183	0.192	0.161	18.82
55)		Dibenzofuran	1.773	1.744	1.868	1.731	1.796	1.827	1.798	1.791	2.65
56)	P	4-Nitrophenol		0.211	0.263	0.263	0.280	0.289	0.296	0.267	11.40
57)		2,4-Dinitrotol...	0.334	0.338	0.396	0.383	0.395	0.409	0.422	0.382	8.90
58)		Fluorene	1.348	1.339	1.437	1.332	1.380	1.413	1.385	1.376	2.86
59)		2,3,4,6-Tetrac...	0.315	0.331	0.365	0.336	0.350	0.356	0.357	0.344	5.16
60)		Diethylphthalate	1.290	1.267	1.376	1.277	1.309	1.355	1.368	1.320	3.46
61)		4-Chlorophenyl...	0.664	0.622	0.682	0.630	0.646	0.666	0.662	0.653	3.29
62)		4-Nitroaniline	0.263	0.291	0.342	0.338	0.356	0.380	0.363	0.333	12.43
63)		Azobenzene	1.391	1.389	1.543	1.449	1.479	1.514	1.534	1.471	4.36
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.093	0.121	0.126	0.132	0.137	0.137	0.124	13.28
66)	c	n-Nitrosodiphe...	0.613	0.649	0.701	0.656	0.669	0.681	0.673	0.663	4.22
67)		4-Bromophenyl-...	0.212	0.209	0.233	0.217	0.217	0.223	0.221	0.219	3.58
68)		Hexachlorobenzene	0.229	0.234	0.247	0.232	0.235	0.243	0.240	0.237	2.66
69)		Atrazine	0.169	0.171	0.191	0.188	0.179	0.188	0.182	0.181	4.79
70)	C	Pentachlorophenol	0.125	0.136	0.162	0.162	0.167	0.173	0.173	0.157	11.93
71)		Phenanthrene	1.088	1.086	1.163	1.102	1.123	1.145	1.105	1.116	2.60
72)		Anthracene	1.056	1.070	1.174	1.126	1.156	1.172	1.136	1.127	4.20
73)		Carbazole	0.913	0.957	1.022	1.026	1.051	1.077	0.998	1.006	5.58
74)		Di-n-butylphth...	1.063	1.043	1.093	1.133	1.106	1.186	1.113	1.105	4.22
75)	C	Fluoranthene	1.077	1.062	1.097	1.143	1.165	1.208	1.044	1.114	5.37
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.422	0.385	0.439	0.481	0.412	0.445	0.436	0.431	6.90
78)		Pyrene	1.513	1.575	1.806	1.496	1.516	1.561	1.689	1.594	7.14
79)	S	Terphenyl-d14	1.165	1.151	1.328	1.124	1.112	1.146	1.235	1.180	6.47
80)		Butylbenzylpht...	0.551	0.533	0.618	0.574	0.561	0.605	0.614	0.580	5.75
81)		Benzo(a)anthra...	1.377	1.345	1.451	1.385	1.388	1.433	1.379	1.394	2.60
82)		3,3'-Dichlorob...	0.456	0.455	0.499	0.499	0.497	0.505	0.473	0.483	4.47
83)		Chrysene	1.310	1.303	1.385	1.319	1.341	1.380	1.316	1.336	2.52
84)		Bis(2-ethylhex...	0.813	0.732	0.805	0.806	0.761	0.822	0.792	0.790	4.08
85)	c	Di-n-octyl pht...	1.389	1.279	1.322	1.381	1.318	1.414	1.254	1.337	4.47

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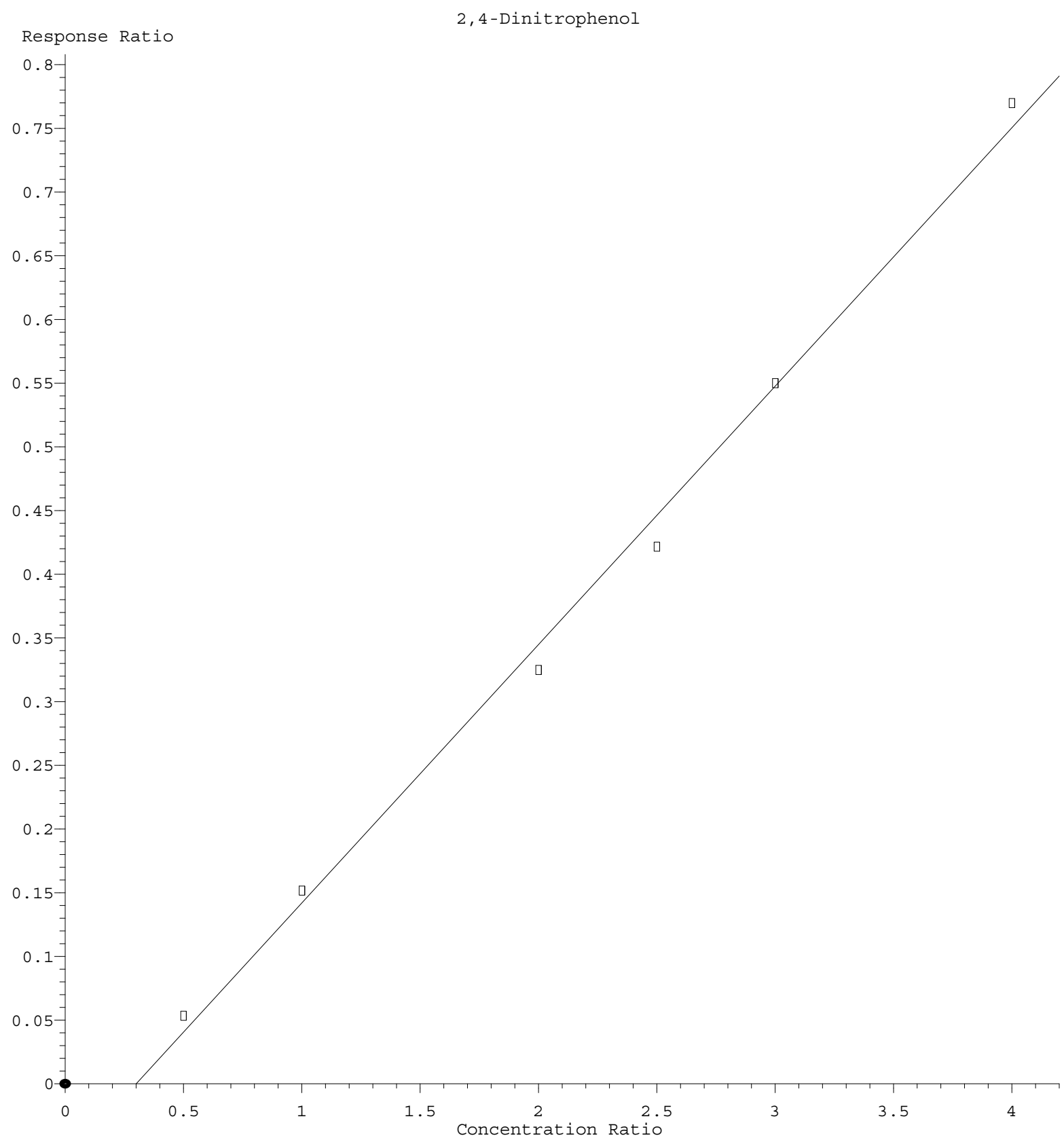
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.463	1.516	1.564	1.504	1.521	1.577	1.489	1.519	2.63
88)		Benzo(b)fluora...	1.104	1.141	1.148	1.093	1.158	1.173	1.117	1.133	2.61
89)		Benzo(k)fluora...	1.085	1.087	1.190	1.155	1.093	1.192	1.165	1.138	4.25
90)	C	Benzo(a)pyrene	1.120	1.122	1.180	1.146	1.137	1.198	1.147	1.150	2.54
91)		Dibenzo(a,h)an...	1.223	1.250	1.291	1.248	1.250	1.305	1.241	1.258	2.31
92)		Benzo(g,h,i)pe...	1.285	1.304	1.360	1.282	1.301	1.349	1.281	1.309	2.49

(#) = Out of Range



Response = 2.028e-001 * Amt - 6.093e-002
Coef of Det (r^2) = 0.995236 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM032824.M
Calibration Table Last Updated: Fri Mar 29 01:24:21 2024