Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG042024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 22 04:22:00 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BG060971.D 5 =BG060972.D 10 =BG060973.D 20 =BG060974.D 40 =BG060975.D 50 =BG060976.D 60 =BG060977.D 80 =BG0609
78.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.351	0.364	0.363	0.338	0.344	0.329	0.306	0.342	6.00
3)		Pyridine		1.060	1.078	1.121	1.027	1.053	1.066	0.999	1.058	3.65
4)		n-Nitrosodimet...		0.948	0.937	1.023	0.943	0.948	0.971	0.891	0.951	4.19
5)	S	2-Fluorophenol		0.981	0.994	1.079	0.958	0.991	0.992	0.927	0.989	4.70
6)		Aniline		1.743	1.716	1.931	1.743	1.785	1.759	1.666	1.763	4.69
7)	S	Phenol-d6		1.497	1.321	1.538	1.467	1.503	1.516	1.427	1.467	5.02
8)		2-Chlorophenol		1.250	1.271	1.287	1.178	1.224	1.230	1.184	1.232	3.35
9)		Benzaldehyde		0.825	0.773	0.859	0.706	0.735	0.722	0.663	0.755	9.13
10)	C	Phenol		1.424	1.417	1.544	1.447	1.464	1.503	1.404	1.458	3.47
11)		bis(2-Chloroet...		1.115	0.986	1.125	1.007	1.020	1.053	0.995	1.043	5.45
12)		1,3-Dichlorobe...		1.430	1.288	1.524	1.315	1.364	1.343	1.299	1.366	6.17
13)	C	1,4-Dichlorobe...		1.451	1.367	1.564	1.364	1.375	1.419	1.311	1.407	5.82
14)		1,2-Dichlorobe...		1.373	1.375	1.461	1.342	1.367	1.389	1.321	1.375	3.20
15)		Benzyl Alcohol		1.365	1.345	1.519	1.347	1.376	1.406	1.339	1.385	4.58
16)		2,2'-oxybis(1-...		2.347	2.162	2.437	2.213	2.239	2.327	2.166	2.270	4.55
17)		2-Methylphenol		1.093	1.140	1.265	1.174	1.198	1.222	1.146	1.177	4.85
18)		Hexachloroethane		0.524	0.455	0.542	0.506	0.504	0.524	0.495	0.507	5.50
19)	P	n-Nitroso-di-n...	1.148	1.080	1.002	1.213	1.050	1.106	1.118	1.031	1.093	6.24
20)		3+4-Methylphenols		1.677	1.552	1.811	1.588	1.680	1.665	1.548	1.646	5.63
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.581	0.562	0.576	0.521	0.563	0.567	0.539	0.558	3.81
23)	S	Nitrobenzene-d5		0.435	0.449	0.451	0.422	0.460	0.456	0.443	0.445	2.94
24)		Nitrobenzene		0.432	0.421	0.433	0.407	0.441	0.434	0.427	0.428	2.62
25)		Isophorone		0.738	0.761	0.797	0.704	0.739	0.760	0.716	0.745	4.16
26)	C	2-Nitrophenol		0.184	0.210	0.217	0.192	0.208	0.199	0.197	0.201	5.70
27)		2,4-Dimethylph...		0.322	0.336	0.337	0.296	0.328	0.323	0.316	0.322	4.32
28)		bis(2-Chloroet...		0.386	0.406	0.416	0.360	0.392	0.398	0.384	0.392	4.65
29)	C	2,4-Dichloroph...		0.360	0.406	0.372	0.350	0.380	0.373	0.363	0.372	4.78
30)		1,2,4-Trichlor...		0.422	0.398	0.420	0.386	0.424	0.419	0.404	0.410	3.56
31)		Naphthalene		1.153	1.116	1.092	1.023	1.108	1.116	1.058	1.095	3.89
32)		Benzoic acid		0.204	0.199	0.253	0.243	0.271	0.284	0.265	0.246	13.38
33)		4-Chloroaniline		0.497	0.523	0.511	0.469	0.506	0.499	0.477	0.497	3.77
34)	C	Hexachlorobuta...		0.371	0.364	0.370	0.338	0.363	0.366	0.354	0.361	3.17
35)		Caprolactam		0.111	0.117	0.126	0.119	0.125	0.118	0.114	0.118	4.65
36)	C	4-Chloro-3-met...		0.449	0.430	0.451	0.410	0.450	0.435	0.412	0.434	4.08
37)		2-Methylnaphth...		0.859	0.889	0.889	0.823	0.880	0.863	0.824	0.861	3.26
38)		1-Methylnaphth...		0.810	0.789	0.833	0.776	0.817	0.818	0.781	0.803	2.67

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.678	0.663	0.738	0.694	0.718	0.761	0.724	0.711	4.86
41)	P	Hexachlorocycl...		0.343	0.401	0.412	0.433	0.465	0.454	0.418	10.51
42)	S	2,4,6-Tribromo...	0.428	0.443	0.468	0.419	0.444	0.446	0.427	0.439	3.69
43)	C	2,4,6-Trichlor...	0.446	0.475	0.490	0.447	0.469	0.488	0.456	0.467	3.93
44)		2,4,5-Trichlor...	0.554	0.532	0.569	0.524	0.550	0.596	0.543	0.553	4.36
45)	S	2-Fluorobiphenyl	1.395	1.413	1.494	1.390	1.454	1.520	1.450	1.445	3.43
46)		1,1'-Biphenyl	1.256	1.310	1.405	1.298	1.382	1.428	1.351	1.347	4.62
47)		2-Chloronaphth...	1.004	0.992	1.064	0.987	1.054	1.095	1.034	1.033	3.95
48)		2-Nitroaniline	0.419	0.412	0.440	0.393	0.415	0.435	0.404	0.417	3.93
49)		Acenaphthylene	1.671	1.662	1.815	1.689	1.765	1.843	1.733	1.740	4.09
50)		Dimethylphthalate	1.650	1.668	1.699	1.572	1.661	1.711	1.583	1.649	3.23
51)		2,6-Dinitrotol...	0.346	0.341	0.358	0.333	0.346	0.358	0.328	0.344	3.34
52)	C	Acenaphthene	1.001	1.026	1.124	1.043	1.077	1.097	1.032	1.057	4.13
53)		3-Nitroaniline	0.340	0.350	0.368	0.315	0.340	0.348	0.315	0.339	5.68
54)	P	2,4-Dinitrophenol		0.114	0.173	0.190	0.221	0.229	0.220	0.191	22.80
55)		Dibenzofuran	1.862	1.776	1.904	1.746	1.843	1.888	1.759	1.825	3.53
56)	P	4-Nitrophenol	0.193	0.232	0.256	0.241	0.264	0.262	0.252	0.243	10.13
57)		2,4-Dinitrotol...	0.508	0.472	0.523	0.481	0.501	0.511	0.474	0.496	4.05
58)		Fluorene	1.536	1.521	1.654	1.449	1.552	1.576	1.496	1.541	4.19
59)		2,3,4,6-Tetrac...	0.535	0.554	0.601	0.533	0.571	0.576	0.535	0.558	4.68
60)		Diethylphthalate	1.603	1.660	1.728	1.537	1.633	1.659	1.550	1.624	4.12
61)		4-Chlorophenyl...	0.979	0.943	1.004	0.899	0.941	0.974	0.911	0.950	3.98
62)		4-Nitroaniline	0.373	0.370	0.388	0.348	0.373	0.372	0.338	0.366	4.62
63)		Azobenzene	1.306	1.309	1.417	1.241	1.344	1.366	1.264	1.321	4.56
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.093	0.123	0.122	0.132	0.137	0.133	0.123	13.11
66)	c	n-Nitrosodiphe...	0.534	0.544	0.575	0.526	0.548	0.577	0.554	0.551	3.50
67)		4-Bromophenyl-...	0.255	0.250	0.280	0.250	0.264	0.278	0.270	0.264	4.79
68)		Hexachlorobenzene	0.274	0.276	0.305	0.282	0.293	0.312	0.299	0.292	5.01
69)		Atrazine	0.231	0.218	0.223	0.203	0.196	0.194	0.177	0.206	9.24
70)	C	Pentachlorophenol		0.151	0.185	0.191	0.201	0.210	0.208	0.191	11.38
71)		Phenanthrene	1.017	1.012	1.071	0.964	1.028	1.049	1.005	1.021	3.31
72)		Anthracene	1.032	1.049	1.098	1.005	1.056	1.083	1.037	1.051	2.98
73)		Carbazole	0.893	0.877	0.906	0.830	0.859	0.896	0.851	0.873	3.14
74)		Di-n-butylphth...	1.046	1.089	1.119	1.006	1.048	1.077	1.034	1.060	3.57
75)	C	Fluoranthene	1.360	1.350	1.456	1.282	1.346	1.378	1.313	1.355	4.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.446	0.392	0.399	0.340	0.315	0.331	0.371	13.48
78)		Pyrene	1.363	1.401	1.447	1.295	1.359	1.342	1.326	1.362	3.66
79)	S	Terphenyl-d14	1.303	1.319	1.371	1.223	1.282	1.283	1.239	1.288	3.86
80)		Butylbenzylpht...	0.452	0.453	0.482	0.433	0.450	0.462	0.444	0.454	3.38
81)		Benzo(a)anthra...	1.412	1.404	1.473	1.335	1.388	1.429	1.402	1.406	2.97
82)		3,3'-Dichlorob...	0.500	0.519	0.543	0.485	0.503	0.512	0.495	0.508	3.77
83)		Chrysene	1.349	1.345	1.394	1.265	1.332	1.366	1.320	1.339	3.01
84)		Bis(2-ethylhex...	0.651	0.666	0.688	0.622	0.659	0.673	0.661	0.660	3.13
85)	c	Di-n-octyl pht...	1.065	1.110	1.137	1.039	1.100	1.121	1.097	1.096	3.08

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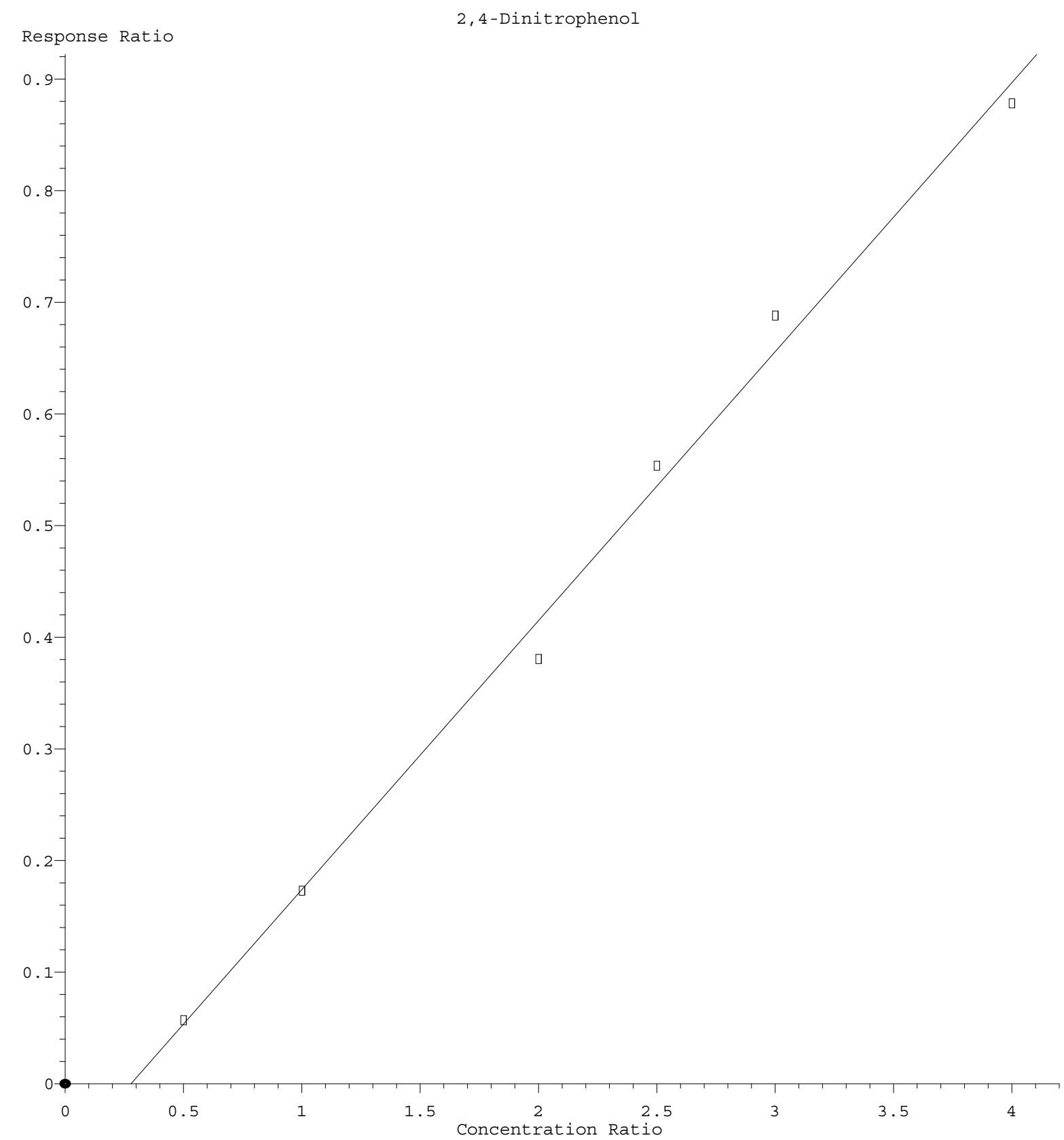
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.308	1.312	1.415	1.342	1.415	1.492	1.428	1.387	4.94
88)		Benzo(b)fluora...	1.113	1.110	1.151	1.092	1.125	1.210	1.133	1.133	3.39
89)		Benzo(k)fluora...	1.142	1.106	1.185	1.094	1.152	1.190	1.140	1.144	3.16
90)	C	Benzo(a)pyrene	1.073	1.071	1.128	1.053	1.098	1.160	1.097	1.097	3.35
91)		Dibenzo(a,h)an...	1.029	1.045	1.160	1.122	1.170	1.226	1.183	1.134	6.43
92)		Benzo(g,h,i)pe...	1.053	1.114	1.142	1.079	1.138	1.188	1.154	1.124	4.10

(#) = Out of Range



Response = 2.409e-001 * Amt - 6.704e-002
Coef of Det (r^2) = 0.994018 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG042024.M
Calibration Table Last Updated: Mon Apr 22 04:22:00 2024