Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM122722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 28 01:33:07 2022
Response Via : Initial Calibration

Calibration Files
2.5 =BM038314.D 5 =BM038315.D 10 =BM038316.D 20 =BM038317.D 40 =BM038318.D 50 =BM038319.D 60 =BM038320.D 80 =BM0383
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.673	0.599	0.581	0.565	0.550	0.520	0.487	0.568	10.49
3)		Pyridine		1.519	1.483	1.581	1.644	1.601	1.531	1.457	1.545	4.31
4)		n-Nitrosodimet...		0.780	0.758	0.734	0.760	0.738	0.705	0.679	0.736	4.71
5)	S	2-Fluorophenol		1.286	1.184	1.208	1.236	1.215	1.176	1.139	1.206	3.90
6)		Aniline		2.034	1.943	2.071	2.090	2.063	2.005	1.943	2.021	2.97
7)	S	Phenol-d6		1.595	1.513	1.594	1.628	1.625	1.581	1.557	1.585	2.53
8)		2-Chlorophenol		1.286	1.216	1.263	1.300	1.285	1.257	1.226	1.262	2.51
9)		Benzaldehyde		1.281	1.168	1.220	1.152	1.126	1.043	0.952	1.135	9.65
10)	C	Phenol		1.666	1.573	1.676	1.690	1.677	1.639	1.596	1.645	2.73
11)		bis(2-Chloroet...		1.447	1.316	1.403	1.391	1.341	1.297	1.257	1.350	4.94
12)		1,3-Dichlorobe...		1.495	1.382	1.388	1.405	1.396	1.357	1.327	1.393	3.74
13)	C	1,4-Dichlorobe...		1.494	1.376	1.413	1.408	1.401	1.387	1.359	1.405	3.08
14)		1,2-Dichlorobe...		1.445	1.348	1.381	1.385	1.384	1.354	1.332	1.376	2.68
15)		Benzyl Alcohol		1.076	1.095	1.220	1.244	1.251	1.207	1.223	1.188	6.05
16)		2,2'-oxybis(1-...		2.075	1.881	1.971	1.949	1.870	1.786	1.709	1.892	6.41
17)		2-Methylphenol		1.156	1.108	1.187	1.183	1.179	1.150	1.139	1.158	2.46
18)		Hexachloroethane		0.547	0.536	0.545	0.549	0.560	0.543	0.523	0.543	2.16
19)	P	n-Nitroso-di-n...	1.034	1.155	1.109	1.236	1.189	1.184	1.132	1.135	1.147	5.30
20)		3+4-Methylphenols		1.450	1.467	1.595	1.604	1.610	1.555	1.551	1.548	4.22
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.556	0.542	0.549	0.581	0.582	0.583	0.566	0.566	3.02
23)	S	Nitrobenzene-d5		0.432	0.432	0.449	0.472	0.473	0.476	0.462	0.457	4.19
24)		Nitrobenzene		0.479	0.462	0.456	0.485	0.485	0.485	0.468	0.474	2.56
25)		Isophorone		0.782	0.772	0.846	0.846	0.850	0.829	0.823	0.821	3.86
26)	C	2-Nitrophenol		0.155	0.163	0.186	0.195	0.200	0.199	0.197	0.185	10.12
27)		2,4-Dimethylph...		0.293	0.284	0.309	0.316	0.319	0.321	0.317	0.309	4.59
28)		bis(2-Chloroet...		0.473	0.454	0.486	0.492	0.491	0.482	0.471	0.479	2.81
29)	C	2,4-Dichloroph...		0.300	0.308	0.340	0.350	0.355	0.354	0.351	0.337	6.88
30)		1,2,4-Trichlor...		0.381	0.374	0.378	0.396	0.393	0.399	0.391	0.387	2.46
31)		Naphthalene		1.038	1.023	1.051	1.088	1.081	1.086	1.072	1.063	2.41
32)		Benzoic acid			0.172	0.211	0.242	0.248	0.260	0.261	0.232	14.92
33)		4-Chloroaniline		0.398	0.413	0.457	0.471	0.482	0.470	0.478	0.453	7.40
34)	C	Hexachlorobuta...		0.247	0.239	0.248	0.255	0.256	0.261	0.255	0.252	2.91
35)		Caprolactam		0.084	0.088	0.103	0.104	0.105	0.100	0.105	0.098	8.92
36)	C	4-Chloro-3-met...		0.325	0.325	0.362	0.371	0.370	0.366	0.370	0.356	5.93
37)		2-Methylnaphth...		0.712	0.705	0.767	0.785	0.787	0.787	0.792	0.762	4.93
38)		1-Methylnaphth...		0.675	0.679	0.718	0.740	0.738	0.732	0.742	0.718	4.03

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.701	0.685	0.707	0.763	0.767	0.785	0.763	0.739	5.37
41)	P	Hexachlorocycl...	0.324	0.340	0.385	0.429	0.440	0.460	0.449	0.404	13.52
42)	S	2,4,6-Tribromo...	0.266	0.266	0.301	0.319	0.329	0.316	0.336	0.305	9.39
43)	C	2,4,6-Trichlor...	0.431	0.442	0.471	0.501	0.514	0.511	0.513	0.483	7.27
44)		2,4,5-Trichlor...	0.509	0.513	0.548	0.591	0.600	0.589	0.591	0.563	6.98
45)	S	2-Fluorobiphenyl	1.478	1.439	1.508	1.633	1.682	1.698	1.687	1.589	6.97
46)		1,1'-Biphenyl	1.519	1.463	1.522	1.615	1.646	1.643	1.643	1.579	4.80
47)		2-Chloronaphth...	1.184	1.150	1.202	1.281	1.302	1.308	1.295	1.246	5.24
48)		2-Nitroaniline	0.343	0.366	0.418	0.452	0.456	0.445	0.450	0.419	11.03
49)		Acenaphthylene	1.849	1.829	1.920	2.040	2.052	2.023	2.056	1.967	5.03
50)		Dimethylphthalate	1.543	1.496	1.598	1.636	1.641	1.597	1.632	1.592	3.40
51)		2,6-Dinitrotol...	0.299	0.299	0.342	0.351	0.356	0.344	0.358	0.336	7.61
52)	C	Acenaphthene	1.137	1.096	1.150	1.221	1.240	1.226	1.234	1.186	4.85
53)		3-Nitroaniline	0.271	0.292	0.336	0.376	0.387	0.362	0.378	0.343	13.26
54)	P	2,4-Dinitrophenol		0.167	0.215	0.249	0.255	0.247	0.260	0.232	15.37
55)		Dibenzofuran	1.922	1.872	1.948	2.031	2.038	1.988	2.023	1.975	3.18
56)	P	4-Nitrophenol	0.211	0.231	0.275	0.298	0.313	0.300	0.306	0.276	14.51
57)		2,4-Dinitrotol...	0.371	0.407	0.454	0.490	0.493	0.480	0.503	0.457	10.87
58)		Fluorene	1.472	1.463	1.597	1.685	1.729	1.695	1.738	1.626	7.21
59)		2,3,4,6-Tetrac...	0.427	0.437	0.472	0.494	0.507	0.491	0.508	0.476	6.87
60)		Diethylphthalate	1.533	1.507	1.628	1.635	1.629	1.561	1.604	1.585	3.26
61)		4-Chlorophenyl...	0.805	0.775	0.856	0.888	0.899	0.881	0.884	0.856	5.52
62)		4-Nitroaniline	0.269	0.300	0.348	0.384	0.390	0.374	0.393	0.351	13.90
63)		Azobenzene	1.530	1.564	1.705	1.723	1.727	1.637	1.655	1.649	4.72
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.108	0.114	0.131	0.143	0.151	0.152	0.152	0.136	13.78
66)	c	n-Nitrosodiphe...	0.568	0.552	0.582	0.611	0.639	0.635	0.634	0.603	5.89
67)		4-Bromophenyl-...	0.206	0.203	0.224	0.230	0.237	0.239	0.236	0.225	6.62
68)		Hexachlorobenzene	0.240	0.228	0.244	0.250	0.260	0.262	0.262	0.249	5.16
69)		Atrazine	0.185	0.192	0.208	0.212	0.218	0.216	0.219	0.207	6.47
70)	C	Pentachlorophenol	0.149	0.157	0.174	0.189	0.199	0.198	0.203	0.181	12.05
71)		Phenanthrene	1.058	1.034	1.084	1.134	1.179	1.164	1.159	1.116	5.12
72)		Anthracene	1.044	1.037	1.113	1.169	1.212	1.213	1.202	1.141	6.75
73)		Carbazole	0.902	0.907	0.977	1.038	1.074	1.066	1.062	1.004	7.49
74)		Di-n-butylphth...	1.051	1.053	1.183	1.167	1.212	1.168	1.192	1.146	5.79
75)	C	Fluoranthene	1.245	1.252	1.353	1.410	1.475	1.458	1.467	1.380	7.19
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.509	0.510	0.564	0.611	0.554	0.619	0.630	0.571	8.82
78)		Pyrene	1.318	1.333	1.370	1.427	1.459	1.482	1.439	1.404	4.56
79)	S	Terphenyl-d14	0.977	0.987	1.080	1.101	1.113	1.096	1.053	1.058	5.24
80)		Butylbenzylpht...	0.479	0.482	0.527	0.521	0.529	0.527	0.528	0.513	4.41
81)		Benzo(a)anthra...	1.371	1.356	1.409	1.490	1.505	1.493	1.473	1.443	4.33
82)		3,3'-Dichlorob...	0.449	0.447	0.483	0.496	0.502	0.500	0.493	0.481	4.93
83)		Chrysene	1.387	1.337	1.405	1.439	1.459	1.447	1.403	1.411	2.97
84)		Bis(2-ethylhex...	0.678	0.684	0.758	0.729	0.733	0.710	0.726	0.717	3.92
85)	c	Di-n-octyl pht...	1.295	1.228	1.339	1.277	1.292	1.257	1.249	1.277	2.86

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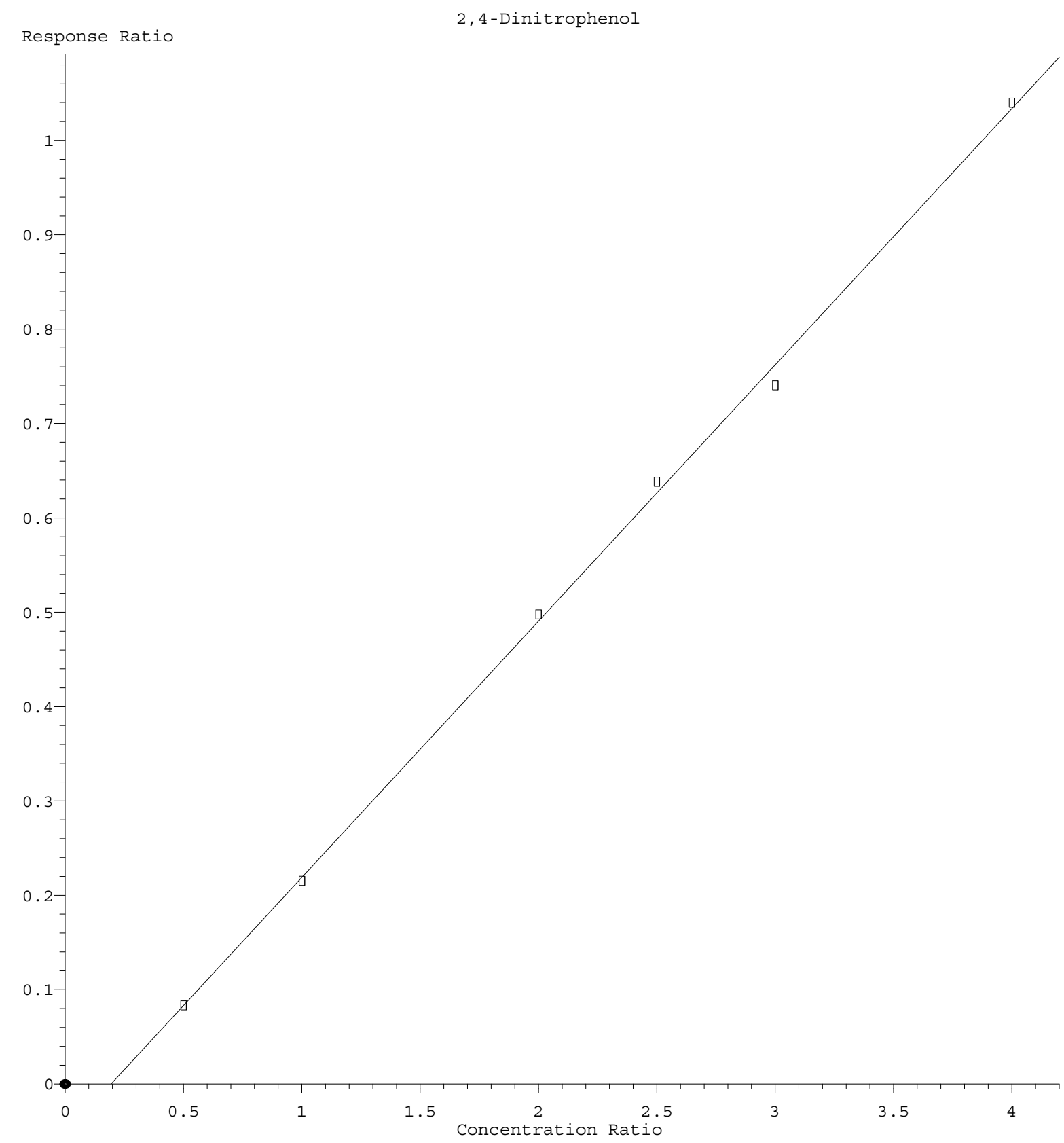
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.365	1.319	1.390	1.522	1.549	1.562	1.544	1.464	7.00
88)		Benzo(b)fluora...	1.115	1.137	1.206	1.310	1.294	1.329	1.318	1.244	7.27
89)		Benzo(k)fluora...	1.220	1.188	1.292	1.306	1.378	1.322	1.332	1.291	5.11
90)	C	Benzo(a)pyrene	1.116	1.099	1.187	1.265	1.298	1.292	1.295	1.222	7.12
91)		Dibenzo(a,h)an...	1.094	1.087	1.149	1.255	1.294	1.296	1.286	1.209	7.89
92)		Benzo(g,h,i)pe...	1.167	1.137	1.182	1.261	1.272	1.281	1.276	1.225	4.96

(#) = Out of Range



Response = 2.716e-001 * Amt - 5.258e-002
Coef of Det (r^2) = 0.998837 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM122722.M
Calibration Table Last Updated: Wed Dec 28 01:33:07 2022