Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG121323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Dec 14 01:47:12 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BG059992.D 5 =BG059993.D 10 =BG059994.D 20 =BG059995.D 40 =BG059996.D 50 =BG059997.D 60 =BG059998.D 80 =BG0599
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.569	0.609	0.553	0.576	0.513	0.531	0.518	0.553	6.30
3)		Pyridine		1.540	1.550	1.547	1.605	1.503	1.550	1.543	1.548	1.95
4)		n-Nitrosodimet...		0.891	0.784	0.758	0.755	0.675	0.735	0.733	0.762	8.68
5)	S	2-Fluorophenol		1.235	1.293	1.276	1.097	1.013	1.186	1.078	1.168	9.20
6)		Aniline		1.652	1.607	1.718	1.739	1.683	1.662	1.656	1.674	2.64
7)	S	Phenol-d6		1.654	1.662	1.657	1.678	1.594	1.631	1.628	1.643	1.69
8)		2-Chlorophenol		1.180	1.086	1.113	1.126	1.055	1.115	1.076	1.107	3.67
9)		Benzaldehyde			1.169	1.157	1.041	0.899	0.912	0.818	0.999	14.57
10)	C	Phenol		1.621	1.583	1.709	1.702	1.626	1.668	1.647	1.651	2.75
11)		bis(2-Chloroet...		1.258	1.184	1.259	1.190	1.117	1.131	1.135	1.182	4.99
12)		1,3-Dichlorobe...		1.550	1.512	1.490	1.537	1.392	1.458	1.426	1.481	3.94
13)	C	1,4-Dichlorobe...		1.679	1.635	1.571	1.528	1.423	1.488	1.460	1.541	6.07
14)		1,2-Dichlorobe...		1.675	1.501	1.494	1.473	1.385	1.442	1.404	1.482	6.45
15)		Benzyl Alcohol		1.340	1.253	1.330	1.352	1.291	1.330	1.349	1.321	2.73
16)		2,2'-oxybis(1-...		2.247	2.114	2.195	2.138	1.996	2.074	2.041	2.115	4.12
17)		2-Methylphenol		1.067	1.090	1.137	1.164	1.064	1.100	1.083	1.101	3.37
18)		Hexachloroethane		0.506	0.457	0.473	0.483	0.437	0.460	0.451	0.467	4.88
19)	P	n-Nitroso-di-n...	0.985	1.018	1.019	1.118	1.097	1.058	1.112	1.075	1.060	4.60
20)		3+4-Methylphenols		1.634	1.474	1.582	1.553	1.472	1.522	1.524	1.537	3.78
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.578	0.568	0.619	0.596	0.569	0.587	0.563	0.583	3.37
23)	S	Nitrobenzene-d5		0.431	0.401	0.437	0.455	0.441	0.465	0.452	0.440	4.70
24)		Nitrobenzene		0.423	0.422	0.456	0.463	0.445	0.465	0.456	0.447	3.98
25)		Isophorone		0.839	0.826	0.864	0.880	0.821	0.861	0.809	0.843	3.09
26)	C	2-Nitrophenol		0.150	0.153	0.164	0.168	0.165	0.176	0.175	0.164	6.21
27)		2,4-Dimethylph...		0.225	0.209	0.243	0.236	0.215	0.230	0.221	0.225	5.21
28)		bis(2-Chloroet...		0.453	0.421	0.452	0.447	0.416	0.439	0.419	0.435	3.75
29)	C	2,4-Dichloroph...		0.395	0.381	0.423	0.412	0.405	0.415	0.402	0.405	3.40
30)		1,2,4-Trichlor...		0.557	0.526	0.572	0.557	0.532	0.555	0.537	0.548	3.03
31)		Naphthalene		1.100	1.015	1.075	1.063	0.990	1.050	0.994	1.041	4.03
32)		Benzoic acid		0.163	0.163	0.214	0.216	0.229	0.232	0.218	0.205	14.34
33)		4-Chloroaniline		0.397	0.384	0.416	0.407	0.387	0.400	0.383	0.396	3.18
34)	C	Hexachlorobuta...		0.508	0.496	0.508	0.514	0.483	0.514	0.489	0.502	2.51
35)		Caprolactam		0.094	0.105	0.107	0.106	0.099	0.108	0.103	0.103	4.74
36)	C	4-Chloro-3-met...		0.344	0.349	0.390	0.385	0.365	0.385	0.360	0.368	4.97
37)		2-Methylnaphth...		0.832	0.814	0.835	0.837	0.806	0.817	0.776	0.817	2.62
38)		1-Methylnaphth...		0.813	0.797	0.834	0.821	0.790	0.823	0.768	0.807	2.86

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	1.019	1.026	1.053	1.060	1.005	1.082	1.055	1.043	2.57
41)	P	Hexachlorocycl...	0.424	0.376	0.416	0.441	0.439	0.464	0.455	0.431	6.78
42)	S	2,4,6-Tribromo...	0.459	0.467	0.474	0.468	0.455	0.475	0.466	0.466	1.55
43)	C	2,4,6-Trichlor...	0.589	0.573	0.590	0.603	0.561	0.607	0.569	0.585	2.94
44)		2,4,5-Trichlor...	0.625	0.594	0.652	0.664	0.634	0.651	0.630	0.636	3.63
45)	S	2-Fluorobiphenyl	1.720	1.642	1.661	1.657	1.554	1.642	1.563	1.634	3.55
46)		1,1'-Biphenyl	1.540	1.462	1.509	1.521	1.420	1.496	1.435	1.483	3.05
47)		2-Chloronaphth...	1.322	1.277	1.296	1.333	1.228	1.285	1.250	1.285	2.89
48)		2-Nitroaniline	0.244	0.244	0.263	0.286	0.283	0.310	0.311	0.277	10.07
49)		Acenaphthylene	1.788	1.726	1.772	1.823	1.699	1.775	1.717	1.757	2.53
50)		Dimethylphthalate	1.604	1.544	1.585	1.573	1.493	1.564	1.504	1.552	2.64
51)		2,6-Dinitrotol...	0.291	0.305	0.319	0.332	0.324	0.343	0.337	0.322	5.76
52)	C	Acenaphthene	1.207	1.220	1.216	1.208	1.180	1.241	1.194	1.210	1.62
53)		3-Nitroaniline	0.251	0.253	0.248	0.257	0.257	0.269	0.264	0.257	2.84
54)	P	2,4-Dinitrophenol	0.177	0.204	0.241	0.249	0.254	0.270	0.264	0.237	14.32
55)		Dibenzofuran	1.980	1.964	2.041	2.002	1.917	1.977	1.900	1.969	2.45
56)	P	4-Nitrophenol	0.189	0.218	0.214	0.221	0.220	0.225	0.226	0.216	5.75
57)		2,4-Dinitrotol...	0.409	0.415	0.457	0.464	0.454	0.484	0.481	0.452	6.60
58)		Fluorene	1.738	1.631	1.713	1.680	1.579	1.679	1.600	1.660	3.54
59)		2,3,4,6-Tetrac...	0.664	0.684	0.672	0.657	0.651	0.657	0.648	0.662	1.91
60)		Diethylphthalate	1.445	1.413	1.449	1.461	1.375	1.452	1.403	1.428	2.21
61)		4-Chlorophenyl...	1.173	1.189	1.194	1.214	1.165	1.234	1.199	1.196	1.96
62)		4-Nitroaniline	0.276	0.265	0.291	0.283	0.277	0.284	0.283	0.280	2.94
63)		Azobenzene	1.466	1.365	1.454	1.444	1.358	1.410	1.362	1.408	3.35
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.107	0.118	0.122	0.130	0.130	0.138	0.133	0.125	8.55
66)	c	n-Nitrosodiphe...	0.491	0.480	0.497	0.497	0.473	0.499	0.484	0.489	2.08
67)		4-Bromophenyl-...	0.280	0.276	0.283	0.288	0.276	0.294	0.279	0.282	2.35
68)		Hexachlorobenzene	0.333	0.324	0.329	0.336	0.321	0.338	0.328	0.330	1.89
69)		Atrazine	0.226	0.224	0.203	0.172	0.152	0.143		0.187	19.43
70)	C	Pentachlorophenol	0.188	0.201	0.225	0.223	0.216	0.226	0.217	0.214	6.52
71)		Phenanthrene	1.023	0.979	0.992	0.974	0.920	0.970	0.924	0.969	3.77
72)		Anthracene	1.014	0.963	1.012	0.985	0.930	0.987	0.929	0.974	3.62
73)		Carbazole	0.874	0.834	0.870	0.830	0.787	0.814	0.785	0.828	4.32
74)		Di-n-butylphth...	0.766	0.747	0.781	0.764	0.729	0.768	0.731	0.755	2.65
75)	C	Fluoranthene	1.535	1.464	1.469	1.420	1.333	1.376	1.298	1.414	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.206	0.149	0.202	0.400	0.325	0.239	0.277	0.257	33.08
78)		Pyrene	1.290	1.207	1.290	1.248	1.146	1.200	1.105	1.212	5.79
79)	S	Terphenyl-d14	1.239	1.173	1.246	1.144	1.011	0.987	0.868	1.095	13.01
80)		Butylbenzylpht...	0.209	0.196	0.219	0.225	0.217	0.229	0.228	0.218	5.47
81)		Benzo(a)anthra...	1.388	1.330	1.421	1.378	1.304	1.334	1.249	1.343	4.30
82)		3,3'-Dichlorob...	0.435	0.411	0.454	0.468	0.443	0.448	0.435	0.442	4.00
83)		Chrysene	1.329	1.264	1.349	1.310	1.213	1.250	1.195	1.273	4.60
84)		Bis(2-ethylhex...	0.319	0.299	0.338	0.333	0.331	0.348	0.342	0.330	4.99
85)	c	Di-n-octyl pht...	0.537	0.528	0.580	0.586	0.565	0.607	0.594	0.571	5.16

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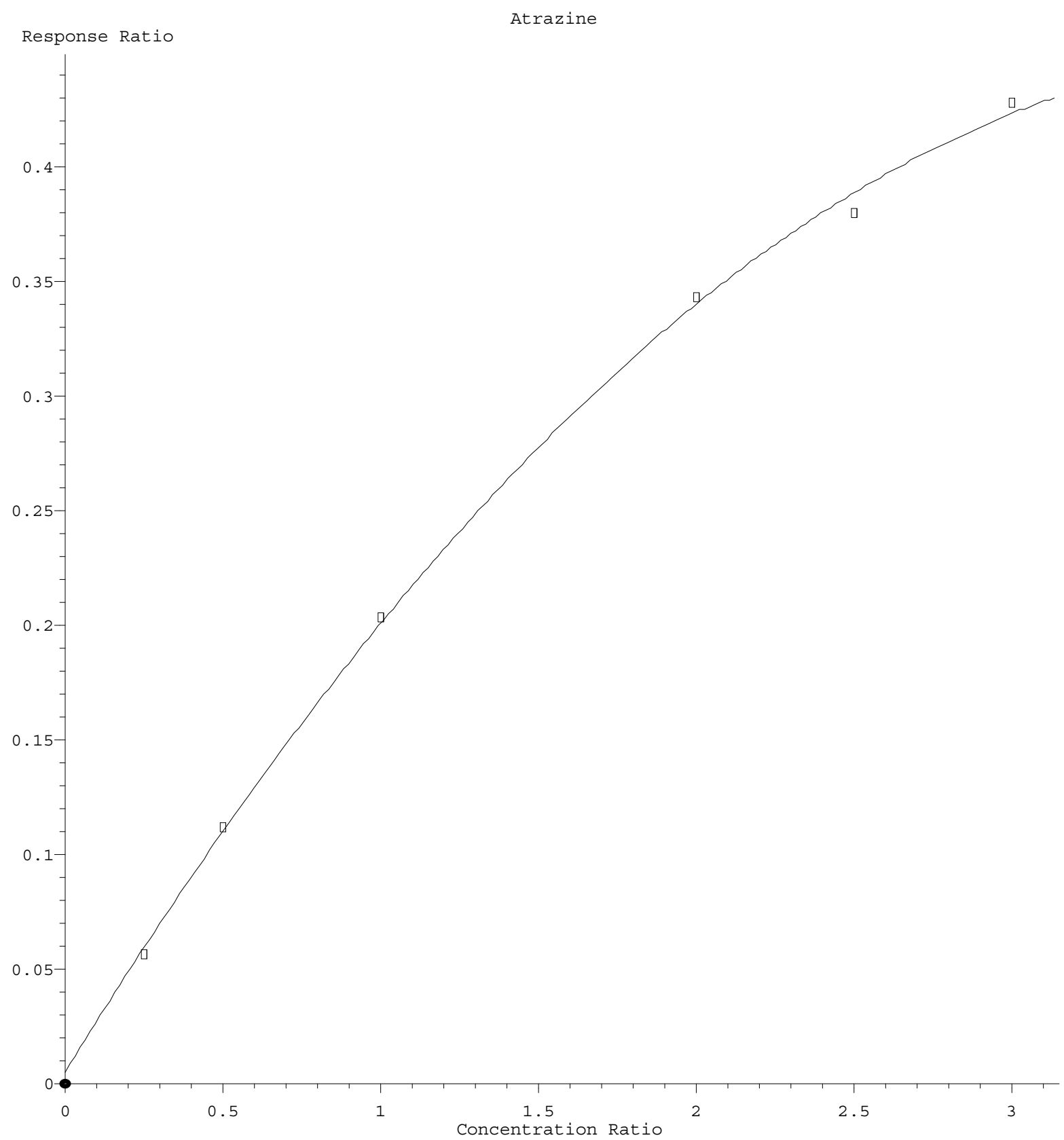
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.424	1.398	1.446	1.464	1.362	1.472	1.426	1.427	2.70
88)		Benzo(b)fluora...	1.260	1.218	1.254	1.276	1.178	1.249	1.212	1.235	2.77
89)		Benzo(k)fluora...	1.241	1.201	1.233	1.227	1.132	1.208	1.145	1.198	3.61
90)	C	Benzo(a)pyrene	1.119	1.079	1.113	1.124	1.038	1.117	1.070	1.094	2.96
91)		Dibenzo(a,h)an...	1.180	1.171	1.220	1.213	1.140	1.234	1.197	1.194	2.72
92)		Benzo(g,h,i)pe...	1.226	1.150	1.194	1.220	1.130	1.217	1.173	1.187	3.14

(#) = Out of Range



R = -2.813e-002 A*A + 2.238e-001 A + 5.235e-003
Coef of Det (r^2) = 0.998893 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG121323.M
Calibration Table Last Updated: Thu Dec 14 01:47:12 2023