Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN061024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 10 15:47:32 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN031872.D 0.2 =BN031873.D 0.4 =BN031874.D 0.8 =BN031875.D 1.6 =BN031876.D 3.2 =BN031877.D 5.0 =BN031878.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.579	0.544	0.426	0.467	0.494	0.469	0.450	0.490	11.05
3)		n-Nitrosodimet...	0.464	0.486	0.400	0.466	0.499	0.480	0.463	0.465	6.86
4)	S	2-Fluorophenol	1.150	1.201	0.999	1.122	1.212	1.162	1.115	1.137	6.24
5)	S	Phenol-d6	1.459	1.537	1.289	1.469	1.605	1.559	1.522	1.491	6.88
6)		bis(2-Chloroet...	1.278	1.352	1.115	1.284	1.370	1.315	1.274	1.284	6.49
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.330	0.338	0.287	0.327	0.353	0.349	0.343	0.332	6.70
9)		Naphthalene	1.064	1.114	0.941	1.073	1.145	1.112	1.090	1.077	6.14
10)		Hexachlorobuta...	0.195	0.197	0.165	0.186	0.198	0.191	0.186	0.188	5.99
11)	SURR	2-Methylnaphth...	0.626	0.649	0.555	0.644	0.681	0.655	0.648	0.637	6.22
12)		2-Methylnaphth...	0.735	0.756	0.644	0.743	0.785	0.751	0.738	0.736	5.97
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.190	0.182	0.155	0.186	0.204	0.211	0.214	0.192	10.79
15)	S	2-Fluorobiphenyl	1.528	1.560	1.307	1.492	1.621	1.579	1.535	1.517	6.68
16)		Acenaphthylene	1.753	1.814	1.539	1.814	2.006	2.006	1.977	1.844	9.22
17)		Acenaphthene	1.155	1.210	1.019	1.175	1.276	1.247	1.226	1.187	7.13
18)		Fluorene	1.564	1.614	1.366	1.587	1.703	1.641	1.626	1.586	6.71
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.044	0.043	0.059	0.078	0.091	0.098	0.069	34.33
21)		4-Bromophenyl-...	0.227	0.234	0.192	0.224	0.241	0.238	0.232	0.227	7.18
22)		Hexachlorobenzene	0.231	0.240	0.202	0.234	0.254	0.244	0.242	0.235	6.99
23)		Atrazine	0.214	0.205	0.175	0.211	0.222	0.217	0.210	0.208	7.44
24)		Pentachlorophenol		0.094	0.082	0.108	0.130	0.140	0.146	0.117	22.05
25)		Phenanthrene	1.112	1.127	0.944	1.096	1.200	1.150	1.140	1.110	7.24
26)		Anthracene	0.989	1.019	0.855	1.033	1.118	1.100	1.097	1.030	8.83
27)	SURR	Fluoranthene-d10	1.071	1.077	0.932	1.123	1.177	1.116	1.125	1.089	7.11
28)		Fluoranthene	1.379	1.391	1.147	1.379	1.446	1.348	1.330	1.346	7.04
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.607	1.748	1.328	1.522	1.651	1.695	1.573	1.589	8.66
31)	S	Terphenyl-d14	1.042	1.067	0.811	0.951	1.006	1.018	0.951	0.978	8.71
32)		Benzo(a)anthra...	1.555	1.575	1.245	1.482	1.587	1.565	1.540	1.507	8.00
33)		Chrysene	1.461	1.489	1.200	1.421	1.512	1.447	1.440	1.424	7.27
34)		Bis(2-ethylhex...		1.117	0.861	1.042	1.091	0.975	1.085	1.029	9.32
35)	I	Perylene-d12	----------ISTD----------								

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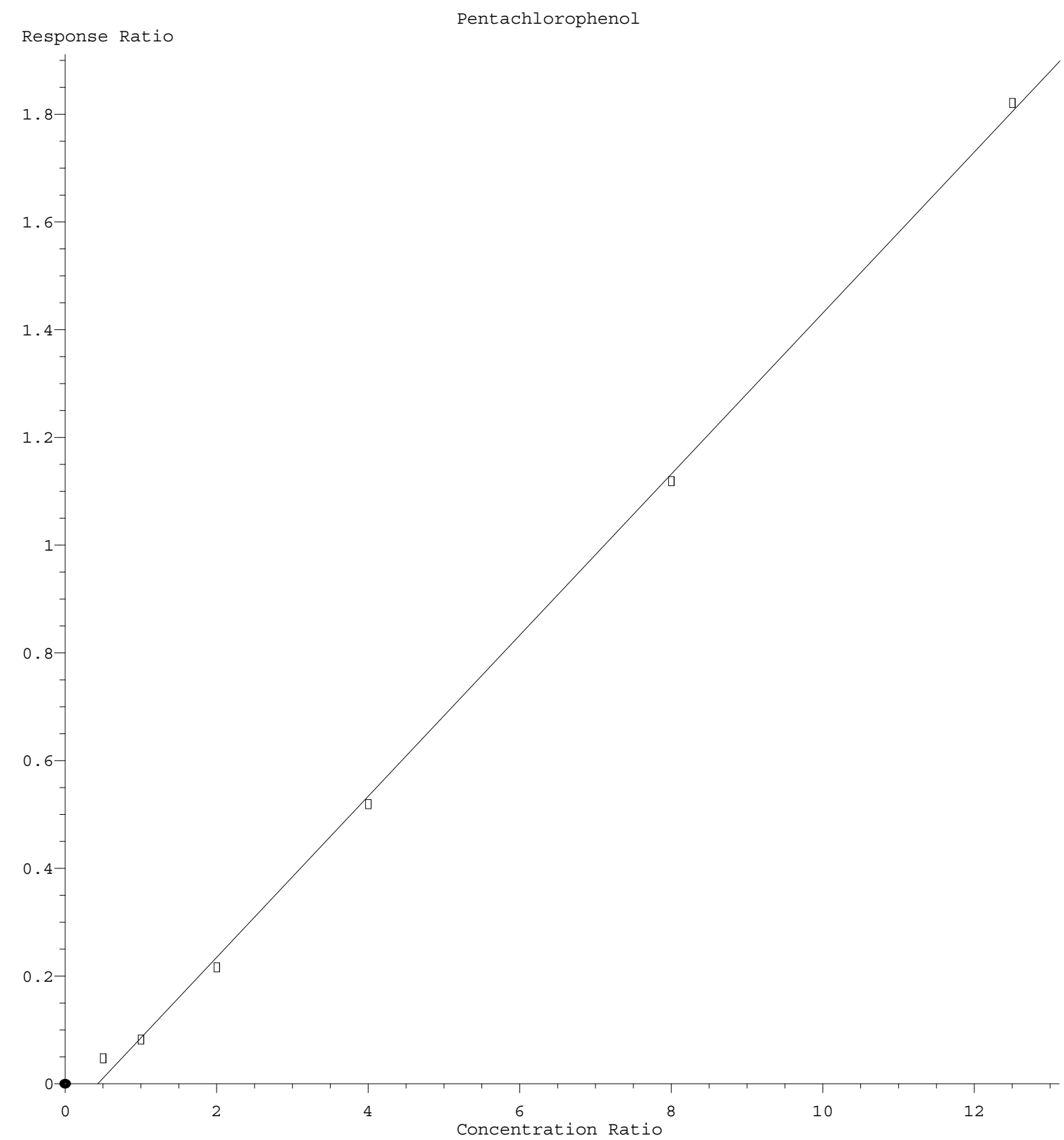
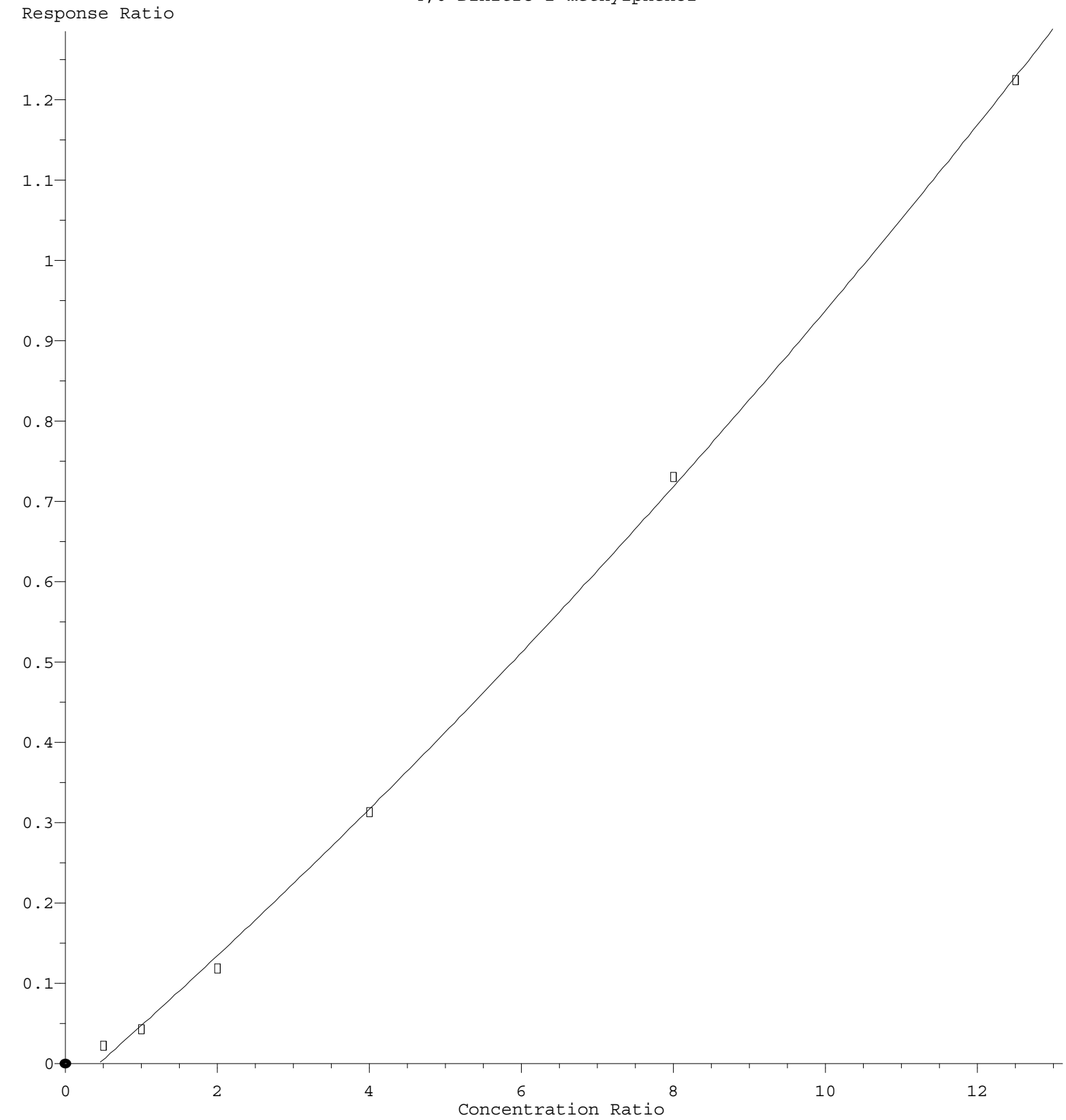
36)		Indeno(1,2,3-c...	1.535	1.568	1.196	1.532	1.612	1.460	1.543	1.492	9.28
37)		Benzo(b)fluora...	1.496	1.537	1.232	1.430	1.539	1.538	1.433	1.458	7.58
38)		Benzo(k)fluora...	1.430	1.477	1.154	1.362	1.445	1.436	1.344	1.378	7.95
39)	C	Benzo(a)pyrene	1.301	1.326	1.043	1.243	1.335	1.299	1.259	1.258	7.99
40)		Dibenzo(a,h)an...	1.205	1.242	0.940	1.205	1.267	1.156	1.214	1.176	9.31
41)		Benzo(g,h,i)pe...	1.298	1.323	1.007	1.299	1.363	1.231	1.322	1.263	9.49

(#) = Out of Range



Response = 1.495e-001 * Amt - 6.372e-002
Coef of Det (r^2) = 0.999053 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN061024.M
Calibration Table Last Updated: Mon Jun 10 15:47:32 2024

4,6-Dinitro-2-methylphenol



R = 1.517e-003 A*A + 8.220e-002 A - 3.616e-002
Coef of Det (r^2) = 0.999362 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN061024.M
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