Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN041524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 15 17:03:47 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN030935.D 0.2 =BN030936.D 0.4 =BN030937.D 0.8 =BN030938.D 1.6 =BN030939.D 3.2 =BN030940.D 5.0 =BN030941.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	0.621	0.541	0.473	0.447	0.476	0.453	0.433	0.492	13.56
3)		n-Nitrosodimet...	0.452	0.432	0.432	0.451	0.498	0.486	0.472	0.461	5.58
4)	S	2-Fluorophenol	0.863	0.909	0.850	0.854	0.935	0.918	0.908	0.891	3.87
5)	S	Phenol-d6	0.976	1.026	0.987	1.035	1.165	1.180	1.186	1.079	8.71
6)		bis(2-Chloroet...	0.992	1.048	0.998	1.047	1.154	1.124	1.108	1.067	5.87
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.253	0.262	0.256	0.271	0.298	0.299	0.298	0.277	7.51
9)		Naphthalene	1.079	1.119	1.064	1.078	1.157	1.123	1.101	1.103	2.94
10)		Hexachlorobuta...	0.220	0.231	0.215	0.217	0.232	0.221	0.213	0.221	3.46
11)	SURR	2-Methylnaphth...	0.583	0.610	0.583	0.602	0.654	0.642	0.635	0.616	4.65
12)		2-Methylnaphth...	0.694	0.725	0.697	0.715	0.783	0.766	0.753	0.733	4.68
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.143	0.138	0.139	0.143	0.164	0.175	0.186	0.155	12.65
15)	S	2-Fluorobiphenyl	1.491	1.411	1.308	1.280	1.361	1.296	1.267	1.345	6.08
16)		Acenaphthylene	1.588	1.657	1.606	1.669	1.913	1.947	1.962	1.763	9.59
17)		Acenaphthene	1.191	1.251	1.192	1.198	1.314	1.290	1.275	1.244	4.10
18)		Fluorene	1.556	1.611	1.556	1.601	1.773	1.726	1.705	1.647	5.28
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.042	0.044	0.050	0.061	0.069	0.076	0.057	23.98
21)		4-Bromophenyl-...	0.228	0.230	0.223	0.229	0.253	0.252	0.249	0.238	5.48
22)		Hexachlorobenzene	0.275	0.276	0.267	0.270	0.290	0.285	0.280	0.278	3.01
23)		Atrazine	0.153	0.155	0.151	0.161	0.188	0.198	0.198	0.172	12.76
24)		Pentachlorophenol		0.069	0.074	0.084	0.106	0.120	0.128	0.097	25.54
25)		Phenanthrene	1.149	1.143	1.121	1.134	1.250	1.238	1.229	1.181	4.71
26)		Anthracene	0.871	0.891	0.878	0.931	1.062	1.097	1.110	0.977	11.03
27)	SURR	Fluoranthene-d10	0.981	1.020	0.999	1.040	1.161	1.168	1.173	1.077	8.01
28)		Fluoranthene	1.309	1.326	1.298	1.360	1.546	1.547	1.527	1.416	8.29
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.547	1.549	1.508	1.512	1.616	1.582	1.557	1.553	2.44
31)	S	Terphenyl-d14	0.959	0.926	0.882	0.922	0.972	0.936	0.903	0.929	3.34
32)		Benzo(a)anthra...	1.372	1.300	1.272	1.325	1.489	1.497	1.499	1.393	7.15
33)		Chrysene	1.508	1.503	1.467	1.486	1.602	1.534	1.504	1.515	2.88
34)		Bis(2-ethylhex...	0.692	0.603	0.565	0.553	0.639	0.685	0.733	0.638	10.69
35)	I	Perylene-d12	----------ISTD----------								

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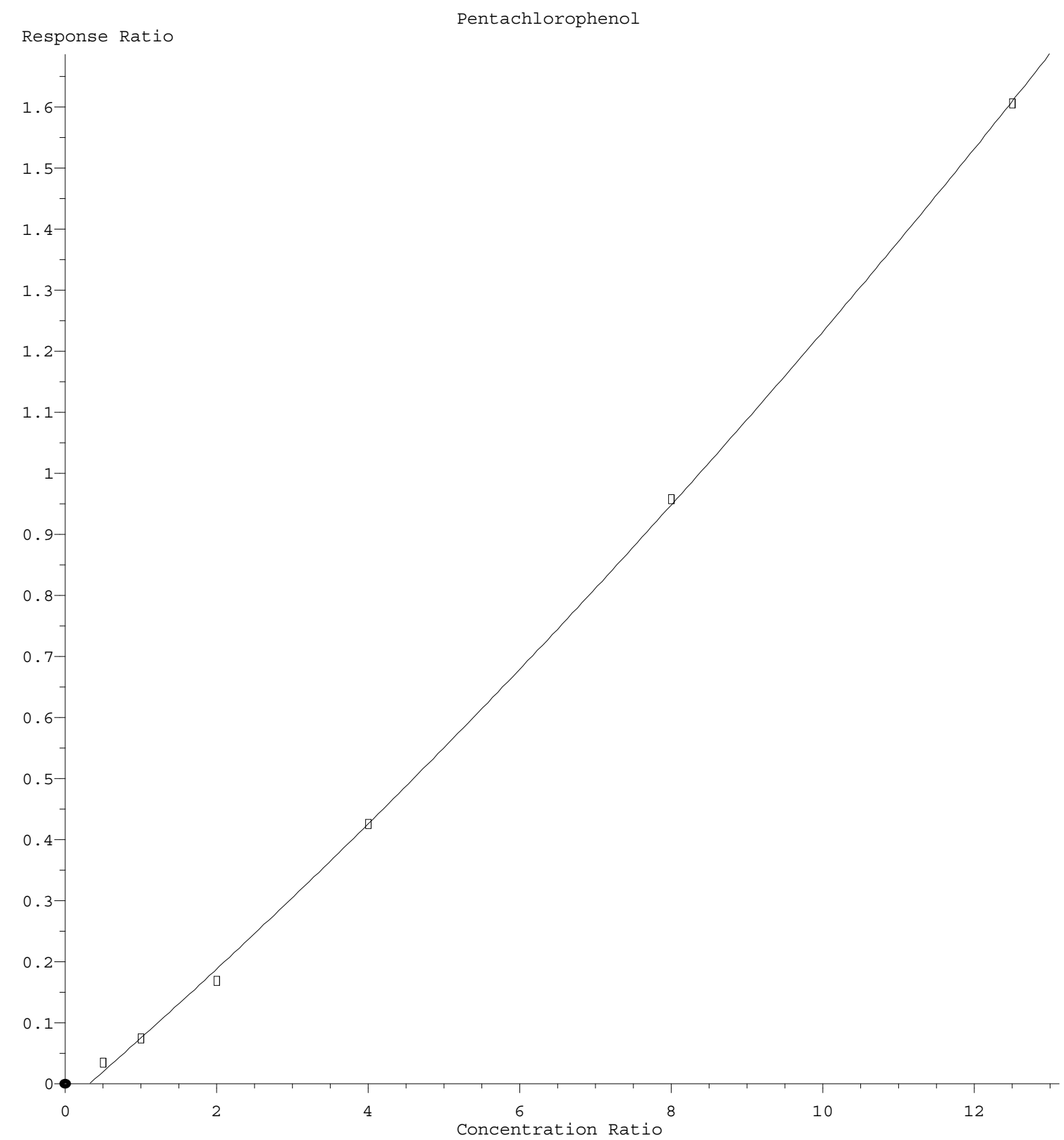
36)		Indeno(1,2,3-c...	1.726	1.733	1.695	1.811	2.023	2.020	2.015	1.860	8.20
37)		Benzo(b)fluora...	1.553	1.580	1.521	1.636	1.781	1.738	1.745	1.650	6.31
38)		Benzo(k)fluora...	1.489	1.521	1.494	1.615	1.757	1.712	1.725	1.616	7.19
39)	C	Benzo(a)pyrene	1.325	1.315	1.219	1.331	1.466	1.475	1.484	1.374	7.44
40)		Dibenzo(a,h)an...	1.358	1.374	1.358	1.462	1.633	1.624	1.618	1.490	8.82
41)		Benzo(g,h,i)pe...	1.544	1.549	1.557	1.598	1.754	1.743	1.738	1.640	6.07

(#) = Out of Range



R = 1.935e-003 A*A + 1.073e-001 A - 3.426e-002
Coef of Det (r^2) = 0.999638 Curve Fit: Quadratic
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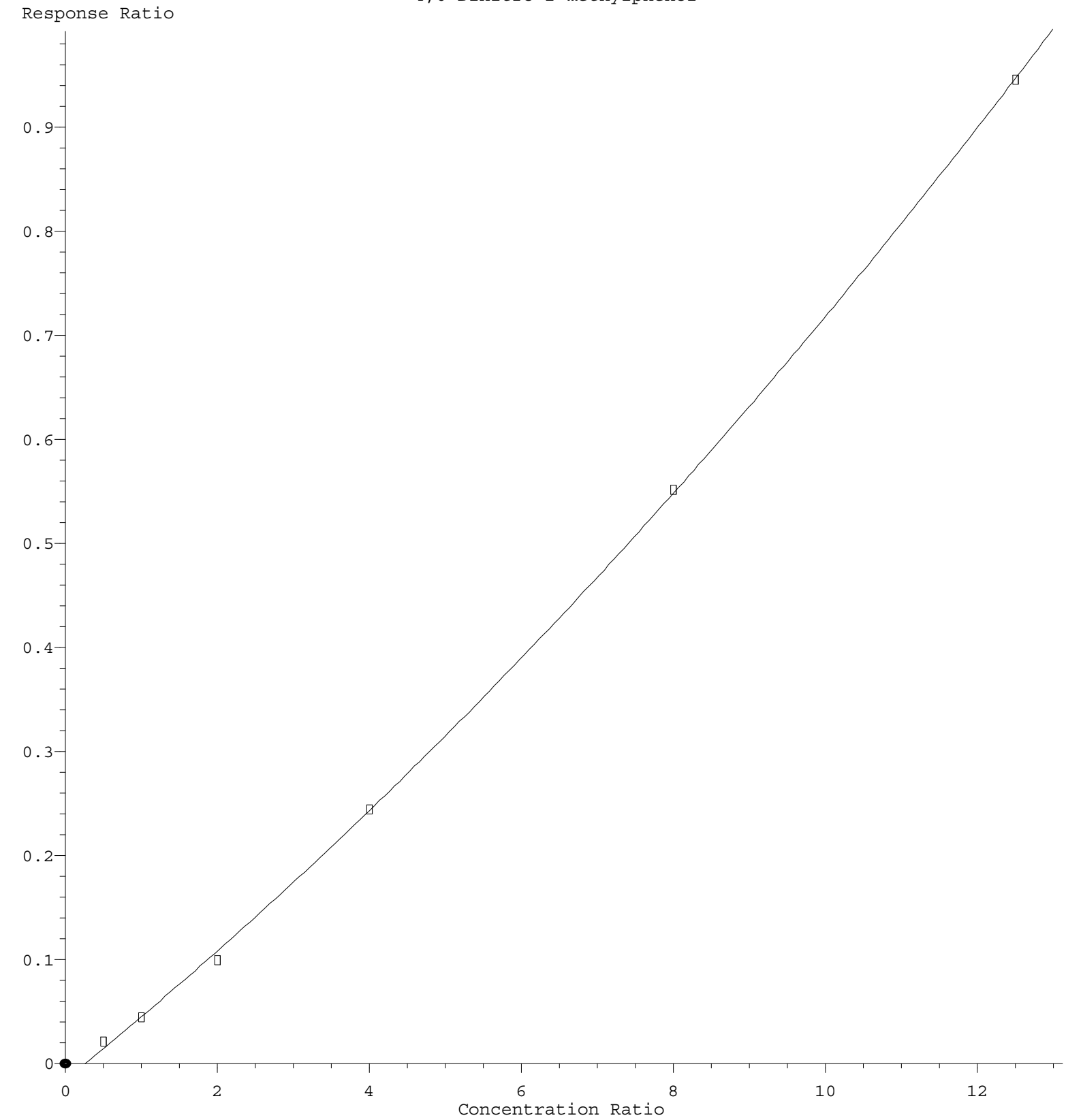
4,6-Dinitro-2-methylphenol



R = 1.458e-003 A*A + 5.873e-002 A - 1.503e-002
Coef of Det (r^2) = 0.999797 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN041524.M
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