

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142534.D
 Acq On : 23 May 2025 14:39
 Operator : RC/JU
 Sample : Q2097-03MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200044MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/27/2025
 Supervised By :Jagrut Upadhyay 05/27/2025

Quant Time: May 23 15:27:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	110644	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	423426	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	222214	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	339714	20.000	ng	0.00
76) Chrysene-d12	14.074	240	200030	20.000	ng	0.00
86) Perylene-d12	15.563	264	219904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	563106	85.743	ng	0.00
7) Phenol-d6	6.522	99	699667	88.503	ng	-0.01
23) Nitrobenzene-d5	7.457	82	416700	53.663	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	218388	88.549	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	875409	52.862	ng	-0.01
79) Terphenyl-d14	13.016	244	719723	49.169	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	97853	37.235	ng	99
3) Pyridine	3.499	79	267494	39.971	ng	99
4) n-Nitrosodimethylamine	3.457	42	150364	43.273	ng	97
6) Aniline	6.557	93	334516	31.470	ng	99
8) 2-Chlorophenol	6.681	128	309470	43.263	ng	99
9) Benzaldehyde	6.446	77	188197	39.580	ng	98
10) Phenol	6.540	94	387353	43.545	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	276344	43.157	ng	98
12) 1,3-Dichlorobenzene	6.840	146	329671	41.302	ng	98
13) 1,4-Dichlorobenzene	6.916	146	336471	41.848	ng	99
14) 1,2-Dichlorobenzene	7.069	146	326084	42.384	ng	99
15) Benzyl Alcohol	7.034	79	251010	42.965	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	456552	42.457	ng	99
17) 2-Methylphenol	7.145	107	242324	43.389	ng	99
18) Hexachloroethane	7.410	117	118382	42.165	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	202140	41.257	ng	99
20) 3+4-Methylphenols	7.298	107	301166	42.110	ng	92
22) Acetophenone	7.304	105	402571	42.949	ng	97
24) Nitrobenzene	7.481	77	303773	43.374	ng	99
25) Isophorone	7.716	82	547306	42.156	ng	99
26) 2-Nitrophenol	7.798	139	166988	44.623	ng	97
27) 2,4-Dimethylphenol	7.828	122	289647	43.890	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	345453	42.595	ng	99
29) 2,4-Dichlorophenol	8.040	162	262198	43.688	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	281224	43.176	ng	97
31) Naphthalene	8.204	128	887970	42.590	ng	100
32) Benzoic acid	7.945	122	197475	49.157	ng	97
33) 4-Chloroaniline	8.251	127	124787	14.771	ng	98
34) Hexachlorobutadiene	8.322	225	170739	41.982	ng	99
35) Caprolactam	8.622	113	80578m	47.804	ng	
36) 4-Chloro-3-methylphenol	8.728	107	265204	43.118	ng	99
37) 2-Methylnaphthalene	8.892	142	545106	41.558	ng	99
38) 1-Methylnaphthalene	8.998	142	568966	41.936	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	277162	43.450	ng	99
41) Hexachlorocyclopentadiene	9.051	237	373738	86.854	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	193594	45.008	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	200628	44.226	ng	98
46) 1,1'-Biphenyl	9.363	154	750584	43.538	ng	99
47) 2-Chloronaphthalene	9.386	162	546224	42.884	ng	98
48) 2-Nitroaniline	9.481	65	164796	44.761	ng	97
49) Acenaphthylene	9.804	152	923899	42.956	ng	100
50) Dimethylphthalate	9.663	163	644336	43.945	ng	99
51) 2,6-Dinitrotoluene	9.722	165	142542	45.042	ng	98
52) Acenaphthene	9.975	154	612272	46.620	ng	99
53) 3-Nitroaniline	9.886	138	92825	26.855	ng	99
54) 2,4-Dinitrophenol	9.998	184	168581	103.110	ng	93
55) Dibenzofuran	10.145	168	795714	42.103	ng	99
56) 4-Nitrophenol	10.051	139	237271	93.033	ng	98
57) 2,4-Dinitrotoluene	10.128	165	189867	45.941	ng	99
58) Fluorene	10.492	166	603397	41.327	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	162843	43.000	ng	99
60) Diethylphthalate	10.363	149	614267	42.896	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	292664	40.804	ng	99
62) 4-Nitroaniline	10.504	138	138753	44.261	ng	98
63) Azobenzene	10.645	77	625402	48.624	ng	93
65) 4,6-Dinitro-2-methylph...	10.533	198	100622	53.075	ng	95
66) n-Nitrosodiphenylamine	10.598	169	532127	45.785	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	172918	43.048	ng	98
68) Hexachlorobenzene	11.039	284	193464	43.546	ng	96
69) Atrazine	11.128	200	157847	51.140	ng	97
70) Pentachlorophenol	11.233	266	229457	91.479	ng	99
71) Phenanthrene	11.457	178	771961	42.521	ng	99
72) Anthracene	11.510	178	800162	43.185	ng	100
73) Carbazole	11.663	167	706960	44.631	ng	99
74) Di-n-butylphthalate	11.986	149	827065	47.701	ng	99
75) Fluoranthene	12.645	202	745998	43.975	ng	99
77) Benzidine	12.763	184	348617	46.834	ng	99
78) Pyrene	12.874	202	730681	39.158	ng	99
80) Butylbenzylphthalate	13.486	149	264282	51.257	ng	98
81) Benzo(a)anthracene	14.063	228	573102	42.906	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	87525	21.604	ng	100
83) Chrysene	14.098	228	509125	42.420	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	335816	50.877	ng	100
85) Di-n-octyl phthalate	14.663	149	555160	43.015	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	704862	42.696	ng	99
88) Benzo(b)fluoranthene	15.121	252	572200	43.965	ng	98
89) Benzo(k)fluoranthene	15.157	252	508038	41.677	ng	99
90) Benzo(a)pyrene	15.504	252	539017	43.937	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	571919	42.714	ng	99
92) Benzo(g,h,i)perylene	17.533	276	576513	43.048	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

