

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
 Data File : BF144239.D
 Acq On : 12 Nov 2025 20:20
 Operator : RC/JU
 Sample : Q3604-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025
 Supervised By :mohammad ahmed 11/14/2025

Quant Time: Nov 13 10:42:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	37192	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	147944	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	80453	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	131172	20.000	ng	0.00
76) Chrysene-d12	14.051	240	72085	20.000	ng	0.00
86) Perylene-d12	15.527	264	94938	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	284862	119.857	ng	0.01
7) Phenol-d6	6.504	99	315662	117.217	ng	0.00
23) Nitrobenzene-d5	7.434	82	229421	89.562	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	122955	121.787	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	451462	82.878	ng	0.00
79) Terphenyl-d14	12.986	244	393816	86.778	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	45984	46.799	ng	# 80
3) Pyridine	3.528	79	93101	33.962	ng	99
4) n-Nitrosodimethylamine	3.469	42	73511	51.338	ng	94
6) Aniline	6.534	93	34774	9.063	ng	# 59
8) 2-Chlorophenol	6.657	128	111461	47.821	ng	99
9) Benzaldehyde	6.422	77	52075	34.245	ng	95
10) Phenol	6.522	94	132212	40.183	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	119204	49.721	ng	96
12) 1,3-Dichlorobenzene	6.810	146	132321	46.007	ng	98
13) 1,4-Dichlorobenzene	6.887	146	132618	46.025	ng	99
14) 1,2-Dichlorobenzene	7.040	146	128595	46.562	ng	99
15) Benzyl Alcohol	7.010	79	101227	47.471	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	231277	52.385	ng	94
17) 2-Methylphenol	7.122	107	89539	48.289	ng	98
18) Hexachloroethane	7.381	117	43880	45.838	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	87086	49.124	ng	95
20) 3+4-Methylphenols	7.281	107	101605	46.484	ng	# 85
22) Acetophenone	7.281	105	145871	45.962	ng	97
24) Nitrobenzene	7.451	77	129533	46.573	ng	99
25) Isophorone	7.692	82	232935	48.075	ng	98
26) 2-Nitrophenol	7.769	139	66284	48.144	ng	98
27) 2,4-Dimethylphenol	7.804	122	108134	52.401	ng	100
28) bis(2-Chloroethoxy)met...	7.898	93	148399	49.046	ng	99
29) 2,4-Dichlorophenol	8.010	162	106715	44.868	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	112232	45.954	ng	97
31) Naphthalene	8.175	128	320624	45.559	ng	99
32) Benzoic acid	7.934	122	68255	45.124	ng	92
33) 4-Chloroaniline	8.228	127	10918	4.254	ng	99
34) Hexachlorobutadiene	8.287	225	76923	41.792	ng	98
35) Caprolactam	8.592	113	27901m	42.819	ng	
36) 4-Chloro-3-methylphenol	8.710	107	98550	46.234	ng	98
37) 2-Methylnaphthalene	8.863	142	194827	41.406	ng	99
38) 1-Methylnaphthalene	8.963	142	199570	43.958	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	119433	45.296	ng	98
41) Hexachlorocyclopentadiene	9.016	237	108990	97.445	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	82891	46.189	ng	99

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44) 2,4,5-Trichlorophenol	9.187	196	87862	45.426	ng	98
46) 1,1'-Biphenyl	9.328	154	268019	47.725	ng	99
47) 2-Chloronaphthalene	9.357	162	221412	46.220	ng	100
48) 2-Nitroaniline	9.451	65	64963	47.000	ng	95
49) Acenaphthylene	9.769	152	338952	51.923	ng	99
50) Dimethylphthalate	9.628	163	261262	49.019	ng	100
51) 2,6-Dinitrotoluene	9.692	165	54783	50.775	ng	98
52) Acenaphthene	9.945	154	190419	43.620	ng	98
53) 3-Nitroaniline	9.863	138	10464	8.872	ng	97
54) 2,4-Dinitrophenol	9.975	184	60304	92.559	ng	99
55) Dibenzofuran	10.116	168	278852	45.610	ng	99
56) 4-Nitrophenol	10.034	139	64237	75.293	ng	100
57) 2,4-Dinitrotoluene	10.098	165	70919	49.100	ng	96
58) Fluorene	10.457	166	215304	46.317	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	65757	48.053	ng	96
60) Diethylphthalate	10.328	149	244267	49.715	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	117572	44.403	ng	98
62) 4-Nitroaniline	10.481	138	41377	36.838	ng	95
63) Azobenzene	10.610	77	228104	49.884	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	39919	44.797	ng	99
66) n-Nitrosodiphenylamine	10.569	169	207785	49.252	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	79839	47.685	ng	97
68) Hexachlorobenzene	11.010	284	93845	47.587	ng	96
69) Atrazine	11.098	200	56315	41.973	ng	99
70) Pentachlorophenol	11.204	266	90863	92.526	ng	97
71) Phenanthrene	11.428	178	305360	46.756	ng	99
72) Anthracene	11.475	178	302458	45.546	ng	99
73) Carbazole	11.633	167	251180	44.481	ng	98
74) Di-n-butylphthalate	11.957	149	334405	48.987	ng	99
75) Fluoranthene	12.616	202	286646	42.489	ng	99
77) Benzidine	12.745	184	7191	3.373	ng	# 96
78) Pyrene	12.845	202	284614	48.969	ng	99
80) Butylbenzylphthalate	13.463	149	103566	51.412	ng	98
81) Benzo(a)anthracene	14.039	228	248057	49.651	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	19443	11.353	ng	# 95
83) Chrysene	14.074	228	226071	49.018	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	137180	49.746	ng	100
85) Di-n-octyl phthalate	14.633	149	226739	47.656	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	320326	47.003	ng	98
88) Benzo(b)fluoranthene	15.092	252	276992	51.319	ng	99
89) Benzo(k)fluoranthene	15.127	252	250891	49.662	ng	98
90) Benzo(a)pyrene	15.468	252	259774	52.170	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	260475	47.591	ng	98
92) Benzo(g,h,i)perylene	17.486	276	251595	46.550	ng	98

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

