

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050411.D
 Acq On : 11 Jul 2025 13:42
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 18 01:29:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 16:20:15 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/14/2025
 Supervised By :Jagrut Upadhyay 07/14/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	393674	20.000	ng	0.01
21) Naphthalene-d8	10.657	136	1424630	20.000	ng	0.02
39) Acenaphthene-d10	14.492	164	888444	20.000	ng	0.02
64) Phenanthrene-d10	17.221	188	1666458	20.000	ng	0.01
76) Chrysene-d12	21.450	240	1635479	20.000	ng	0.02
86) Perylene-d12	24.485	264	1634276	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2859209	125.017	ng	0.00
7) Phenol-d6	7.022	99	3594130	124.663	ng	0.01
23) Nitrobenzene-d5	9.016	82	2273172	81.406	ng	0.01
42) 2,4,6-Tribromophenol	15.968	330	1408574	130.488	ng	0.01
45) 2-Fluorobiphenyl	13.116	172	5801621	80.642	ng	0.01
79) Terphenyl-d14	19.839	244	9318437	100.248	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	35673	3.793	ng	99
3) Pyridine	3.740	79	88334	3.578	ng	95
4) n-Nitrosodimethylamine	3.646	42	43833	3.808	ng	# 87
6) Aniline	7.187	93	132437	3.579	ng	98
8) 2-Chlorophenol	7.428	128	94787	3.930	ng	96
9) Benzaldehyde	6.998	77	83099	4.845	ng	100
10) Phenol	7.045	94	112476	3.740	ng	86
11) bis(2-Chloroethyl)ether	7.281	93	88134	3.660	ng	98
12) 1,3-Dichlorobenzene	7.751	146	112984	3.853	ng	98
13) 1,4-Dichlorobenzene	7.898	146	115865	3.870	ng	96
14) 1,2-Dichlorobenzene	8.216	146	104535	3.647	ng	96
15) Benzyl Alcohol	8.098	79	69942	3.443	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.392	45	133526	3.764	ng	98
17) 2-Methylphenol	8.298	107	64202	3.292	ng	95
18) Hexachloroethane	8.951	117	38555	3.661	ng	94
19) n-Nitroso-di-n-propyla...	8.663	70	57180	3.274	ng	95
20) 3+4-Methylphenols	8.622	107	84955	3.245	ng	95
22) Acetophenone	8.681	105	129608	3.639	ng	# 96
24) Nitrobenzene	9.057	77	106486	4.273	ng	99
25) Isophorone	9.586	82	146861	3.241	ng	96
26) 2-Nitrophenol	9.769	139	28256	2.782	ng	# 89
27) 2,4-Dimethylphenol	9.828	122	75893	3.512	ng	96
28) bis(2-Chloroethoxy)met...	10.063	93	107848	3.592	ng	97
29) 2,4-Dichlorophenol	10.304	162	70462	3.174	ng	94
30) 1,2,4-Trichlorobenzene	10.522	180	98096	3.694	ng	99
31) Naphthalene	10.710	128	268531	3.711	ng	99
32) Benzoic acid	9.875	122	17220	7.111	ng	93
33) 4-Chloroaniline	10.810	127	101939	3.332	ng	98
34) Hexachlorobutadiene	11.004	225	59744	3.686	ng	97
35) Caprolactam	11.563	113	14880	2.455	ng	97
36) 4-Chloro-3-methylphenol	11.927	107	62385	3.009	ng	99
37) 2-Methylnaphthalene	12.316	142	158649	3.472	ng	99
38) 1-Methylnaphthalene	12.539	142	171944	3.556	ng	100
40) 1,2,4,5-Tetrachloroben...	12.686	216	100567	3.559	ng	99
41) Hexachlorocyclopentadiene	12.674	237	51472	2.850	ng	99
43) 2,4,6-Trichlorophenol	12.922	196	50417	2.899	ng	96

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44) 2,4,5-Trichlorophenol	12.986	196	56463	2.973	ng	97
46) 1,1'-Biphenyl	13.327	154	250621	3.802	ng	99
47) 2-Chloronaphthalene	13.369	162	197494	3.758	ng	97
48) 2-Nitroaniline	13.557	65	31479	2.683	ng	92
49) Acenaphthylene	14.210	152	268411	3.379	ng	98
50) Dimethylphthalate	13.945	163	221283	3.618	ng	98
51) 2,6-Dinitrotoluene	14.051	165	33399	2.844	ng	# 85
52) Acenaphthene	14.551	154	176039	3.486	ng	96
53) 3-Nitroaniline	14.380	138	31610	2.531	ng	# 88
54) 2,4-Dinitrophenol	14.580	184	9258	7.721	ng	# 81
55) Dibenzofuran	14.886	168	288037	3.702	ng	97
56) 4-Nitrophenol	14.680	139	21265	1.980	ng	86
57) 2,4-Dinitrotoluene	14.839	165	37419	4.732	ng	# 85
58) Fluorene	15.533	166	217798	3.399	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.110	232	48582	3.039	ng	98
60) Diethylphthalate	15.304	149	198016	3.389	ng	97
61) 4-Chlorophenyl-phenyle...	15.527	204	112003	3.342	ng	98
62) 4-Nitroaniline	15.533	138	28941	4.494	ng	# 79
63) Azobenzene	15.821	77	168872	3.148	ng	95
65) 4,6-Dinitro-2-methylph...	15.598	198	14150	7.675	ng	84
66) n-Nitrosodiphenylamine	15.739	169	176107	3.377	ng	99
67) 4-Bromophenyl-phenylether	16.421	248	63441	3.455	ng	96
68) Hexachlorobenzene	16.533	284	79381	3.661	ng	97
69) Atrazine	16.680	200	50730	2.963	ng	94
70) Pentachlorophenol	16.874	266	32874	2.435	ng	97
71) Phenanthrene	17.262	178	343896	3.647	ng	100
72) Anthracene	17.357	178	311549	3.319	ng	99
73) Carbazole	17.615	167	276388	3.254	ng	100
74) Di-n-butylphthalate	18.192	149	268393	2.887	ng	99
75) Fluoranthene	19.274	202	326246	3.183	ng	99
77) Benzidine	19.451	184	97140	2.329	ng	97
78) Pyrene	19.633	202	351084	3.352	ng	100
80) Butylbenzylphthalate	20.533	149	91978	2.663	ng	95
81) Benzo(a)anthracene	21.433	228	368527	3.458	ng	98
82) 3,3'-Dichlorobenzidine	21.350	252	94012	2.616	ng	97
83) Chrysene	21.492	228	369728	3.678	ng	98
84) Bis(2-ethylhexyl)phtha...	21.368	149	147535	2.691	ng	97
85) Di-n-octyl phthalate	22.515	149	185565	2.161	ng	# 95
87) Indeno(1,2,3-cd)pyrene	27.909	276	365758	3.148	ng	99
88) Benzo(b)fluoranthene	23.527	252	324875	3.232	ng	99
89) Benzo(k)fluoranthene	23.586	252	340957m	3.269	ng	
90) Benzo(a)pyrene	24.338	252	284518	3.024	ng	99
91) Dibenzo(a,h)anthracene	27.979	278	313485	3.204	ng	99
92) Benzo(g,h,i)perylene	28.979	276	304031	3.287	ng	97

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

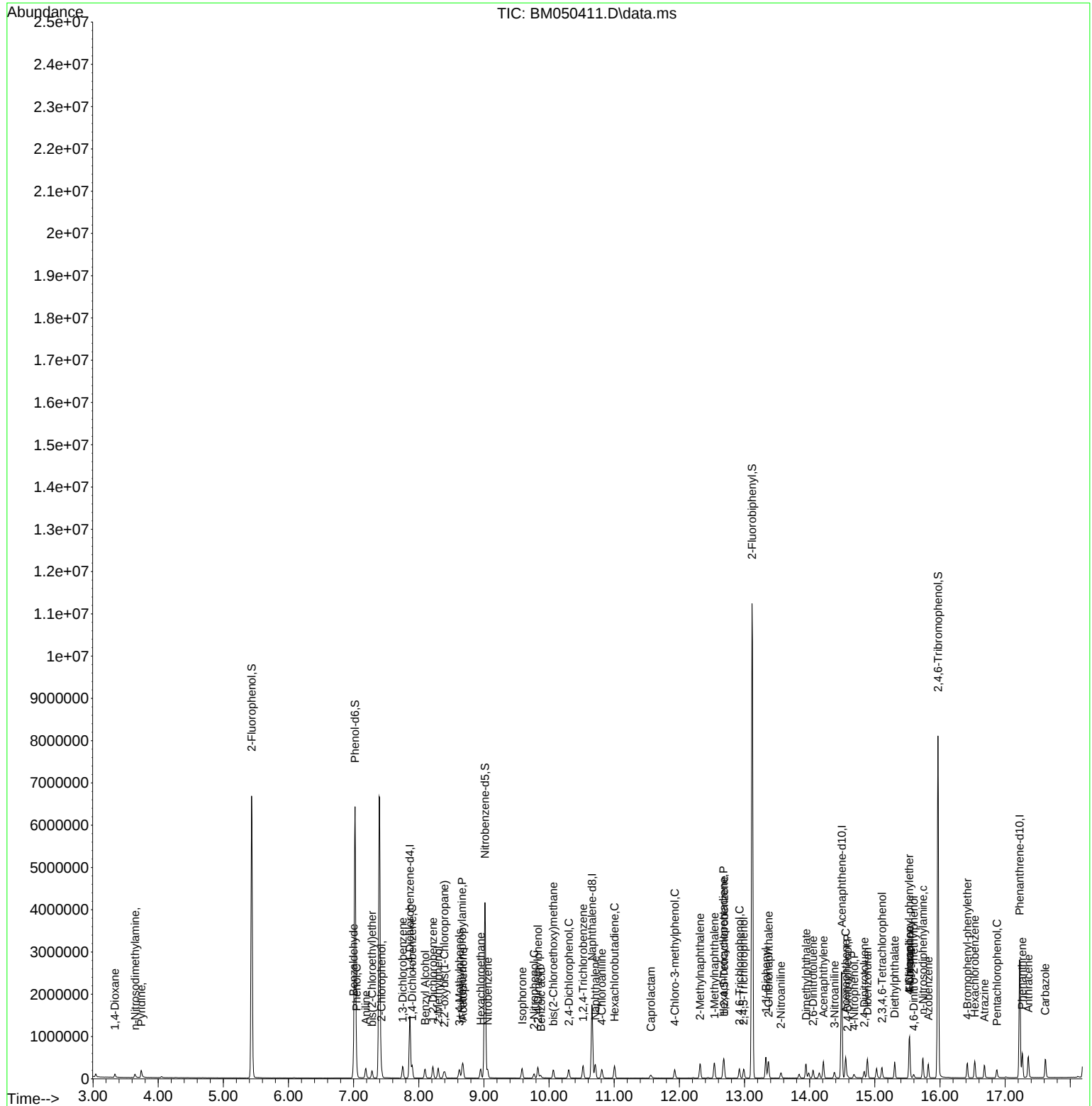
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