

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050412.D
 Acq On : 11 Jul 2025 14:23
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 18 01:31:41 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	415645	20.000	ng	0.01
21) Naphthalene-d8	10.657	136	1510176	20.000	ng	0.02
39) Acenaphthene-d10	14.492	164	938116	20.000	ng	0.02
64) Phenanthrene-d10	17.221	188	1758539	20.000	ng	0.01
76) Chrysene-d12	21.450	240	1770801	20.000	ng	0.02
86) Perylene-d12	24.485	264	1765585	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2880184	119.278	ng	0.00
7) Phenol-d6	7.022	99	3648154	119.848	ng	0.01
23) Nitrobenzene-d5	9.016	82	2271211	76.728	ng	0.01
42) 2,4,6-Tribromophenol	15.968	330	1436831	126.058	ng	0.01
45) 2-Fluorobiphenyl	13.116	172	5787312	76.184	ng	0.01
79) Terphenyl-d14	19.839	244	9088533	90.303	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	71718	7.223	ng	99
3) Pyridine	3.740	79	177476	6.808	ng	95
4) n-Nitrosodimethylamine	3.640	42	85269	7.017	ng	# 98
6) Aniline	7.187	93	261005	6.681	ng	100
8) 2-Chlorophenol	7.428	128	188601	7.407	ng	99
9) Benzaldehyde	6.998	77	161321	8.909	ng	98
10) Phenol	7.045	94	227628	7.170	ng	95
11) bis(2-Chloroethyl)ether	7.281	93	176611	6.946	ng	96
12) 1,3-Dichlorobenzene	7.751	146	222004	7.171	ng	100
13) 1,4-Dichlorobenzene	7.898	146	224540	7.103	ng	99
14) 1,2-Dichlorobenzene	8.216	146	214434	7.085	ng	98
15) Benzyl Alcohol	8.098	79	141179	6.582	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.387	45	266245	7.109	ng	99
17) 2-Methylphenol	8.298	107	135492	6.580	ng	98
18) Hexachloroethane	8.951	117	77571	6.977	ng	98
19) n-Nitroso-di-n-propyla...	8.663	70	120457	6.532	ng	98
20) 3+4-Methylphenols	8.622	107	172832	6.252	ng	98
22) Acetophenone	8.681	105	266865	7.068	ng	# 97
24) Nitrobenzene	9.057	77	198322	7.508	ng	99
25) Isophorone	9.586	82	310654	6.468	ng	100
26) 2-Nitrophenol	9.769	139	62632	5.818	ng	96
27) 2,4-Dimethylphenol	9.828	122	153194	6.687	ng	95
28) bis(2-Chloroethoxy)met...	10.063	93	216557	6.804	ng	100
29) 2,4-Dichlorophenol	10.304	162	152409	6.476	ng	99
30) 1,2,4-Trichlorobenzene	10.522	180	195567	6.946	ng	99
31) Naphthalene	10.710	128	543526	7.086	ng	100
32) Benzoic acid	9.881	122	51514	9.182	ng	94
33) 4-Chloroaniline	10.810	127	214593	6.617	ng	97
34) Hexachlorobutadiene	11.004	225	118977	6.924	ng	95
35) Caprolactam	11.563	113	35181	5.476	ng	96
36) 4-Chloro-3-methylphenol	11.928	107	137626	6.262	ng	98
37) 2-Methylnaphthalene	12.316	142	323719	6.684	ng	98
38) 1-Methylnaphthalene	12.539	142	343755	6.707	ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	204733	6.863	ng	99
41) Hexachlorocyclopentadiene	12.675	237	105333	5.524	ng	99
43) 2,4,6-Trichlorophenol	12.922	196	110289	6.006	ng	94

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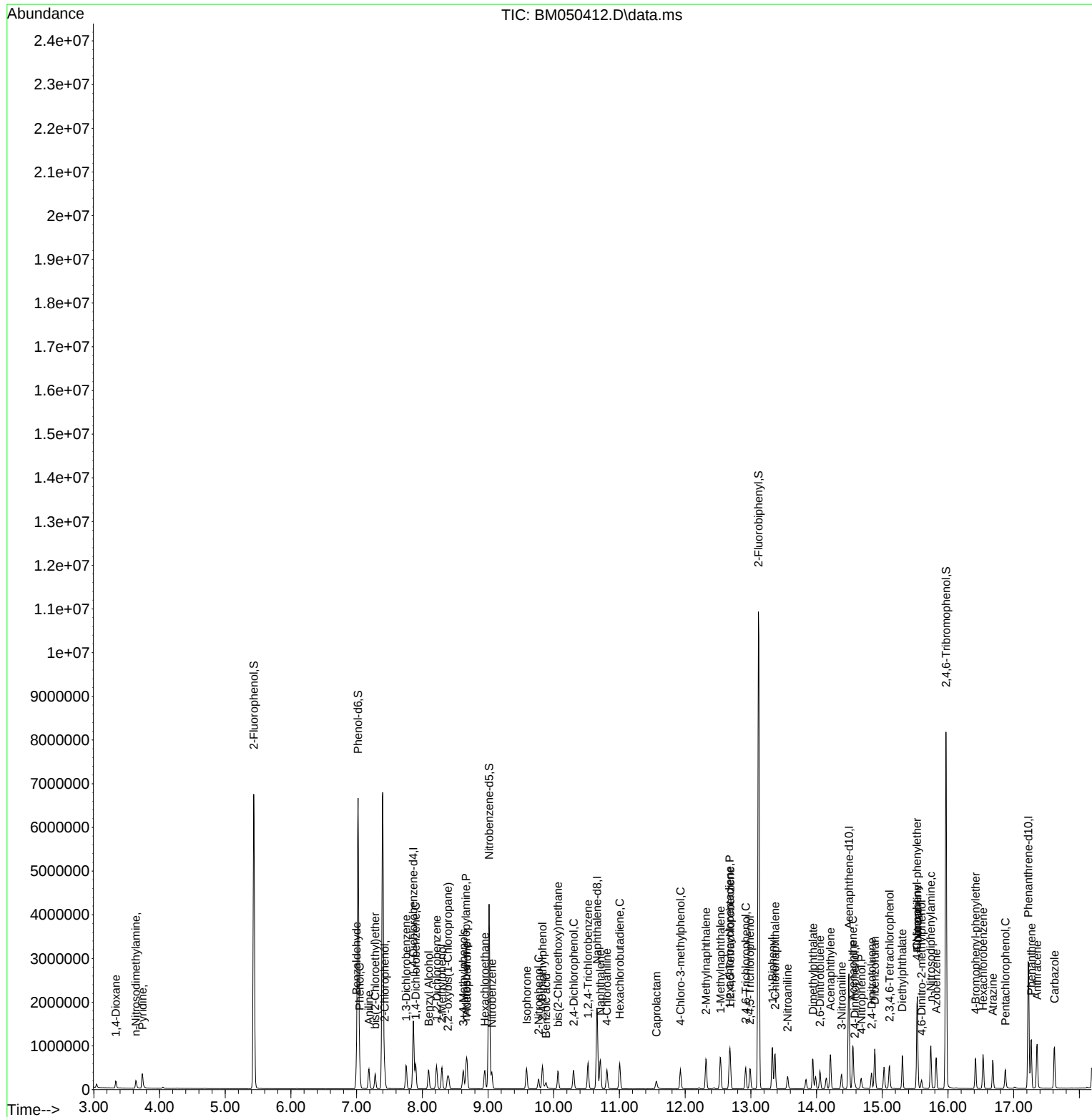
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	126315	6.298	ng	98
46) 1,1'-Biphenyl	13.327	154	499405	7.175	ng	99
47) 2-Chloronaphthalene	13.369	162	398414	7.179	ng	99
48) 2-Nitroaniline	13.557	65	71061	5.737	ng	93
49) Acenaphthylene	14.210	152	560240	6.680	ng	99
50) Dimethylphthalate	13.945	163	441664	6.838	ng	98
51) 2,6-Dinitrotoluene	14.051	165	76559	6.174	ng	93
52) Acenaphthene	14.551	154	360713	6.765	ng	98
53) 3-Nitroaniline	14.380	138	74690	5.663	ng #	92
54) 2,4-Dinitrophenol	14.580	184	22540	9.437	ng #	86
55) Dibenzofuran	14.886	168	575739	7.008	ng	98
56) 4-Nitrophenol	14.680	139	56865	5.014	ng	97
57) 2,4-Dinitrotoluene	14.839	165	90078	7.301	ng	97
58) Fluorene	15.533	166	447115	6.607	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.110	232	102069	6.046	ng	93
60) Diethylphthalate	15.304	149	405946	6.580	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	230327	6.509	ng	95
62) 4-Nitroaniline	15.533	138	72440	7.107	ng	84
63) Azobenzene	15.821	77	368330	6.502	ng	97
65) 4,6-Dinitro-2-methylph...	15.598	198	36168	9.625	ng	93
66) n-Nitrosodiphenylamine	15.739	169	367499	6.678	ng	99
67) 4-Bromophenyl-phenylether	16.421	248	125374	6.471	ng	96
68) Hexachlorobenzene	16.533	284	152900	6.682	ng	95
69) Atrazine	16.680	200	111789	6.187	ng	97
70) Pentachlorophenol	16.874	266	74782	5.250	ng	98
71) Phenanthrene	17.268	178	690566	6.940	ng	99
72) Anthracene	17.357	178	648228	6.544	ng	99
73) Carbazole	17.621	167	594443	6.633	ng	99
74) Di-n-butylphthalate	18.192	149	578230	5.895	ng	99
75) Fluoranthene	19.274	202	677265	6.261	ng	99
77) Benzidine	19.451	184	261293	5.785	ng	98
78) Pyrene	19.633	202	734287	6.475	ng	99
80) Butylbenzylphthalate	20.533	149	208989	5.589	ng	99
81) Benzo(a)anthracene	21.433	228	768246	6.658	ng	100
82) 3,3'-Dichlorobenzidine	21.350	252	212893	5.471	ng	96
83) Chrysene	21.492	228	747337	6.867	ng	99
84) Bis(2-ethylhexyl)phtha...	21.362	149	346882	5.843	ng	97
85) Di-n-octyl phthalate	22.515	149	448500	4.824	ng	98
87) Indeno(1,2,3-cd)pyrene	27.915	276	780495	6.218	ng	99
88) Benzo(b)fluoranthene	23.527	252	696554	6.414	ng	98
89) Benzo(k)fluoranthene	23.586	252	695869	6.175	ng	99
90) Benzo(a)pyrene	24.338	252	615542	6.055	ng	99
91) Dibenzo(a,h)anthracene	27.979	278	672278	6.359	ng	99
92) Benzo(g,h,i)perylene	28.985	276	640368	6.409	ng	99

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

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