Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050296.D
Acq On : 28 Sep 2021 22:21
Operator : CG/JU
Sample : M3873-10MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 02:13:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
EW7X8MSD

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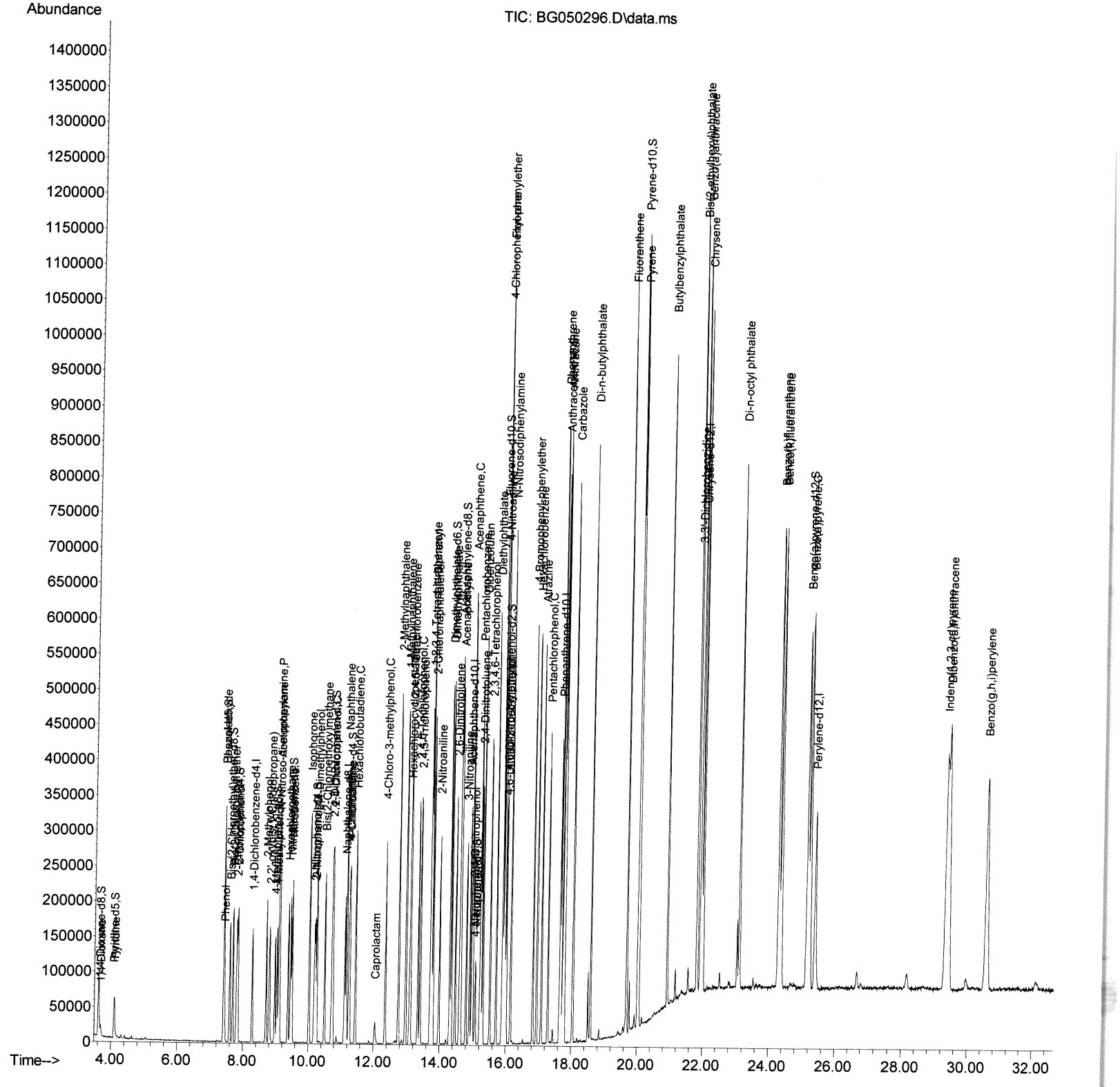

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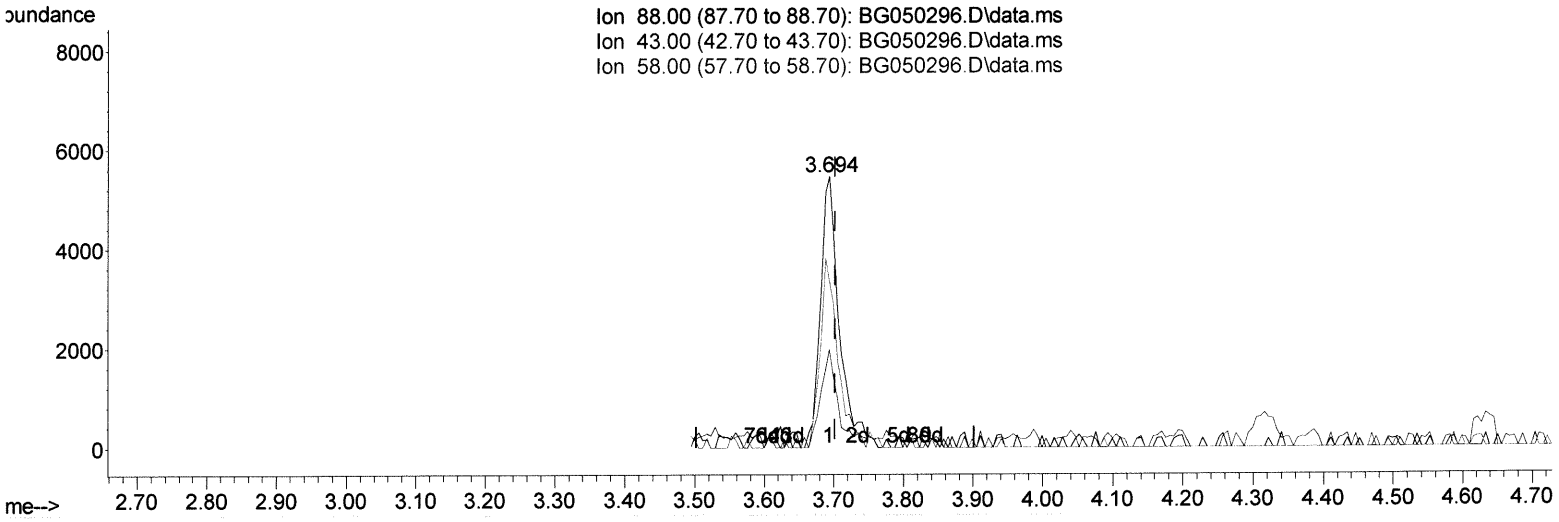

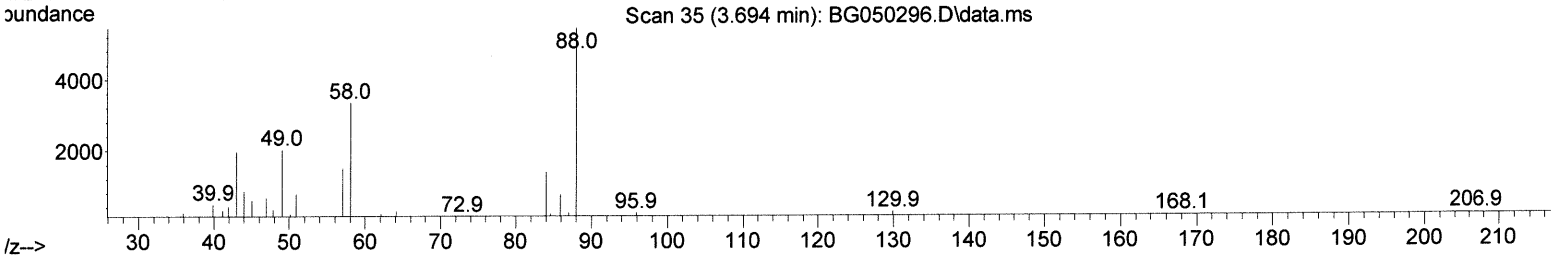

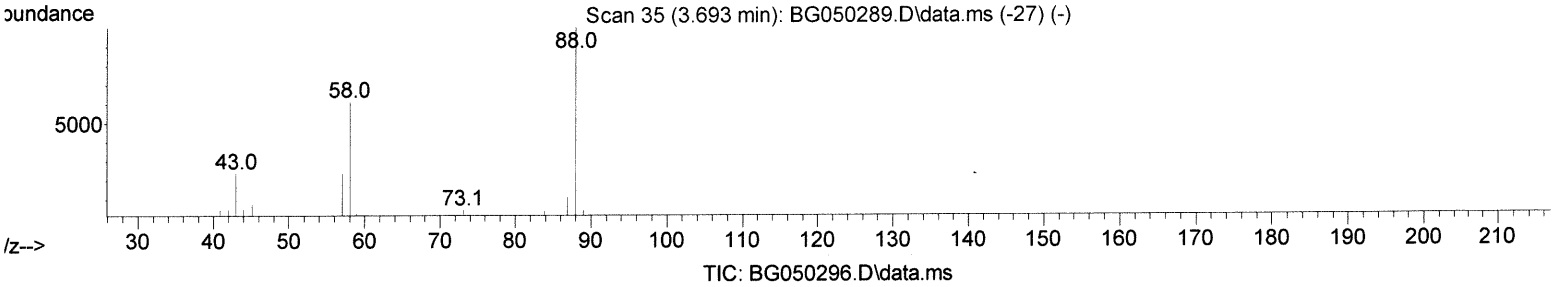

TIC: BG050296.D\data.ms

(2) 1,4-Dioxane

3.694min (-0.008) 8.68 ng/uL

response 9845

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	27.00	36.19#
58.00	65.00	61.35
0.00	0.00	0.00

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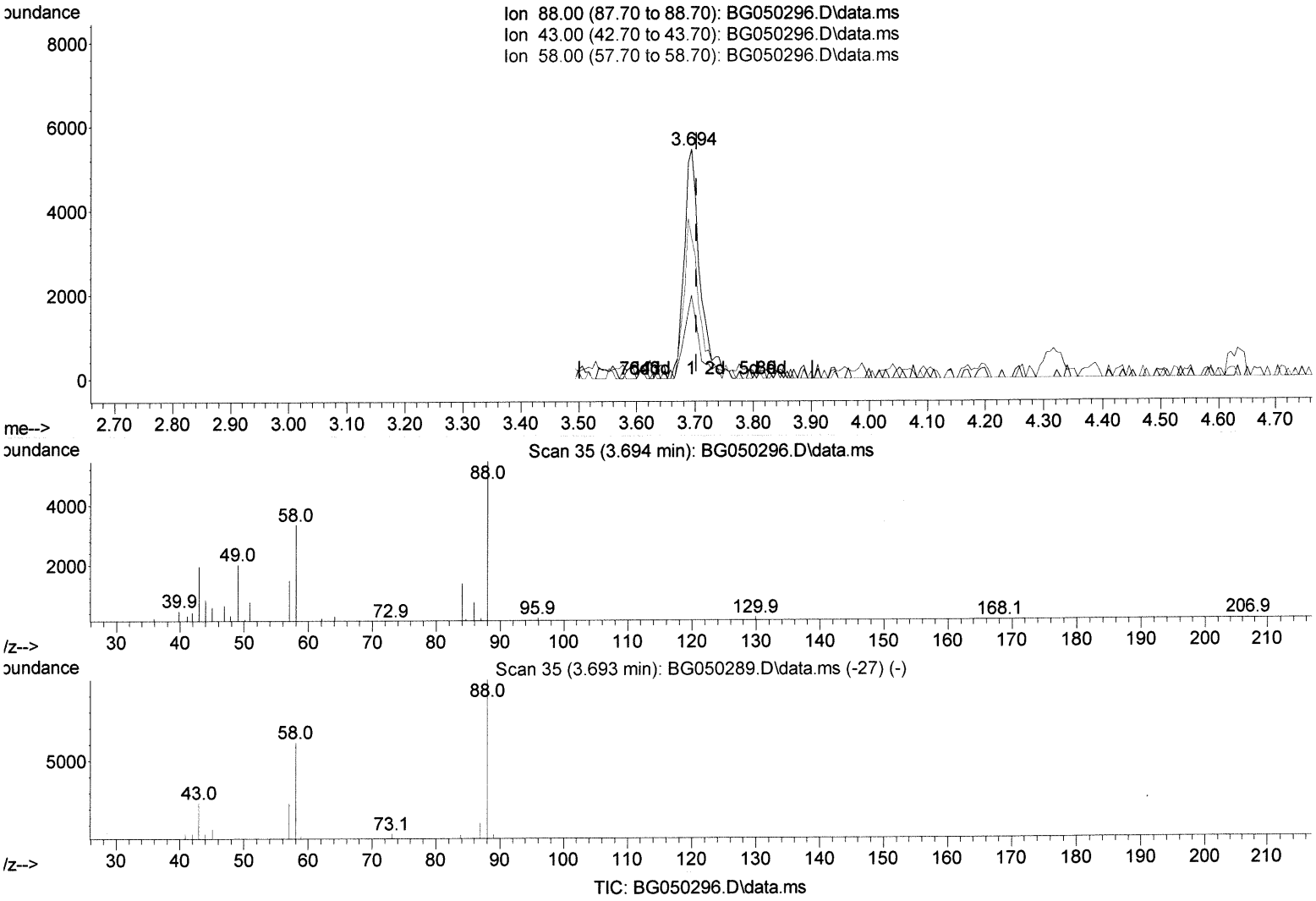

(2) 1,4-Dioxane

3.694min (-0.008) 9.20 ng/uL m JU 10/04/21

response 10426

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	27.00	36.19#
58.00	65.00	61.35
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.288	152	43463	20.000	ng/ul	0.00
20) Naphthalene-d8	11.114	136	177275	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.898	164	122743	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.642	188	274692	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.949	240	269176	20.000	ng/ul	# 0.00
88) Perylene-d12	25.392	264	288810	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.658	96	8176	9.097	ng/uL	0.00
4) Pyridine-d5	4.087	84	27133	10.017	ng/ul	0.00
7) Phenol-d5	7.419	99	34295	9.938	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.601	67	85193	42.534	ng/ul	0.00
11) 2-Chlorophenol-d4	7.812	132	77365	30.845	ng/ul	0.00
15) 4-Methylphenol-d8	8.976	113	57332	21.090	ng/ul	0.00
21) Nitrobenzene-d5	9.457	128	50519	46.130	ng/ul	0.00
24) 2-Nitrophenol-d4	10.180	143	51518	42.591	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.715	165	92658	32.838	ng/ul	0.00
31) 4-Chloroaniline-d4	11.238	131	102040	27.528	ng/ul	0.00
46) Dimethylphthalate-d6	14.299	166	339963	40.752	ng/ul	0.00
49) Acenaphthylene-d8	14.598	160	393135	37.490	ng/ul	0.00
54) 4-Nitrophenol-d4	15.057	143	16296	11.578	ng/ul	-0.01
60) Fluorene-d10	15.885	176	300223	39.308	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.991	200	58217	50.025	ng/ul	0.00
73) Anthracene-d10	17.742	188	485198	41.470	ng/ul	0.00
81) Pyrene-d10	20.016	212	596787	40.949	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.151	264	594322	40.362	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.694	88	10426m	9.195	ng/uL	JU 09/04/21
5) Pyridine	4.111	79	29833	10.620	ng/ul#	87
6) Benzaldehyde	7.419	77	104528	47.721	ng/ul	98
8) Phenol	7.442	94	40037	11.453	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.695	93	104486	40.217	ng/ul	93
12) 2-Chlorophenol	7.842	128	80947	30.623	ng/ul#	80
13) 2-Methylphenol	8.711	108	67235	24.651	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.811	45	149619	43.530	ng/ul#	90
16) Acetophenone	9.111	105	163947	39.479	ng/ul	96
17) N-Nitroso-di-n-propyla...	9.087	70	95223	40.335	ng/ul	98
18) 4-Methylphenol	9.040	108	62636	22.546	ng/ul	86
19) Hexachloroethane	9.381	117	37733	33.267	ng/ul	94
22) Nitrobenzene	9.498	77	139131	44.281	ng/ul	99
23) Isophorone	10.027	82	249895	37.708	ng/ul#	95
25) 2-Nitrophenol	10.215	139	52597	41.633	ng/ul#	81
26) 2,4-Dimethylphenol	10.256	107	100085	29.627	ng/ul#	85
27) Bis(2-Chloroethoxy)met...	10.497	93	138999	38.422	ng/ul	96
29) 2,4-Dichlorophenol	10.744	162	93122	34.251	ng/ul	100
30) Naphthalene	11.161	128	321072	35.311	ng/ul	97
32) 4-Chloroaniline	11.261	127	101547	27.432	ng/ul	92
33) Hexachlorobutadiene	11.437	225	68013	30.155	ng/ul	96
34) Caprolactam	12.037	113	7282	8.494	ng/ul#	85
35) 4-Chloro-3-methylphenol	12.348	107	98061	33.258	ng/ul	98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.748	142	231929	36.831 ng/ul	93
37) 1-Methylnaphthalene	12.965	142	223223	35.109 ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.106	216	137408	35.558 ng/ul#	96
40) Hexachlorocyclopentadiene	13.083	237	72087	27.043 ng/ul	97
41) 2,4,6-Trichlorophenol	13.335	196	87648	38.463 ng/ul	93
42) 2,4,5-Trichlorophenol	13.406	196	95596	38.991 ng/ul	95
43) 1,1'-Biphenyl	13.741	154	305333	36.670 ng/ul#	97
44) 2-Chloronaphthalene	13.788	162	238858	36.255 ng/ul	98
45) 2-Nitroaniline	13.981	65	86267	54.996 ng/ul	98
47) Dimethylphthalate	14.346	163	333734	39.715 ng/ul	100
48) 2,6-Dinitrotoluene	14.469	165	69422	52.187 ng/ul	87
50) Acenaphthylene	14.628	152	357274	33.725 ng/ul	97
51) 3-Nitroaniline	14.792	138	69091	46.454 ng/ul	98
52) Acenaphthene	14.963	153	267328	38.543 ng/ul	96
53) 2,4-Dinitrophenol	14.998	184	41667	49.472 ng/ul#	70
55) 4-Nitrophenol	15.074	109	16181	11.187 ng/ul#	63
56) Dibenzofuran	15.298	168	382978	36.898 ng/ul	95
57) 2,4-Dinitrotoluene	15.245	165	98988	52.509 ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.509	232	92040	41.729 ng/ul#	90
59) Diethylphthalate	15.703	149	351205	40.653 ng/ul	95
61) Fluorene	15.944	166	314265	38.647 ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.932	204	172272	37.635 ng/ul	91
63) 4-Nitroaniline	15.956	138	73894	48.263 ng/ul#	82
66) 4,6-Dinitro-2-methylph...	16.009	198	58790	50.285 ng/ul	97
67) N-Nitrosodiphenylamine	16.144	169	288301	41.507 ng/ul	98
68) 4-Bromophenyl-phenylether	16.825	248	115359	40.501 ng/ul	95
69) Hexachlorobenzene	16.943	284	128240	40.637 ng/ul	97
70) Atrazine	17.084	200	105806	34.525 ng/ul	92
71) Pentachlorophenol	17.283	266	83068	41.253 ng/ul	92
72) Phenanthrene	17.683	178	564671	41.420 ng/ul	98
74) Anthracene	17.777	178	558238	41.114 ng/ul#	94
75) 1,2,3,4-Tetrachloroben...	13.705	216	146791	37.591 ng/uL	91
76) Pentachlorobenzene	15.209	250	138755	36.851 ng/uL	96
77) Carbazole	18.041	167	525415	43.739 ng/ul	99
78) Di-n-butylphthalate	18.588	149	609819	44.029 ng/ul	99
80) Fluoranthene	19.681	202	714104	38.650 ng/ul#	89
82) Pyrene	20.045	202	700008	38.528 ng/ul#	90
83) Butylbenzylphthalate	20.920	149	269430	44.020 ng/ul	94
84) 3,3'-Dichlorobenzidine	21.837	252	196434	34.075 ng/ul#	96
85) Benzo(a)anthracene	21.931	228	685702	42.301 ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.813	149	390463	44.693 ng/ul	100
87) Chrysene	22.001	228	656850	41.797 ng/ul	95
89) Di-n-octyl phthalate	23.112	149	665821	47.030 ng/ul	100
90) Benzo(b)fluoranthene	24.287	252	712294	42.134 ng/ul#	97
91) Benzo(k)fluoranthene	24.363	252	699208	44.046 ng/ul#	98
93) Benzo(a)pyrene	25.227	252	628930	39.167 ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	29.340	276	800048	42.638 ng/ul#	93
95) Dibenzo(a,h)anthracene	29.416	278	667260	41.259 ng/ul#	97
96) Benzo(g,h,i)perylene	30.580	276	660514	41.142 ng/ul#	93

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