Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100421\
Data File : BG050414.D
Acq On : 4 Oct 2021 14:47
Operator : CG/JU
Sample : M3878-15MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 16:14:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG093021.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 30 16:27:24 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
EW2N4MS

Manual Integrations APPROVED
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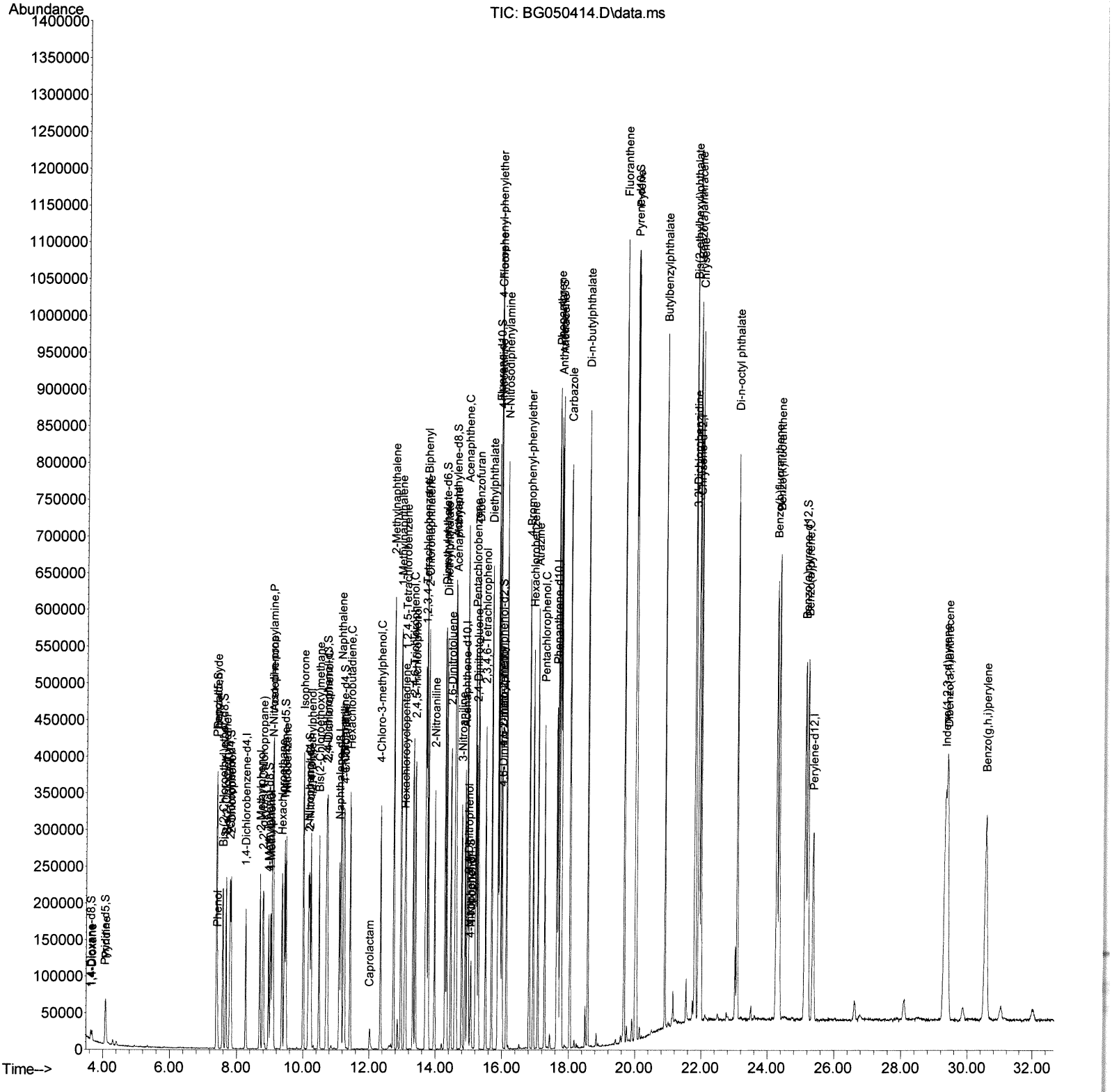

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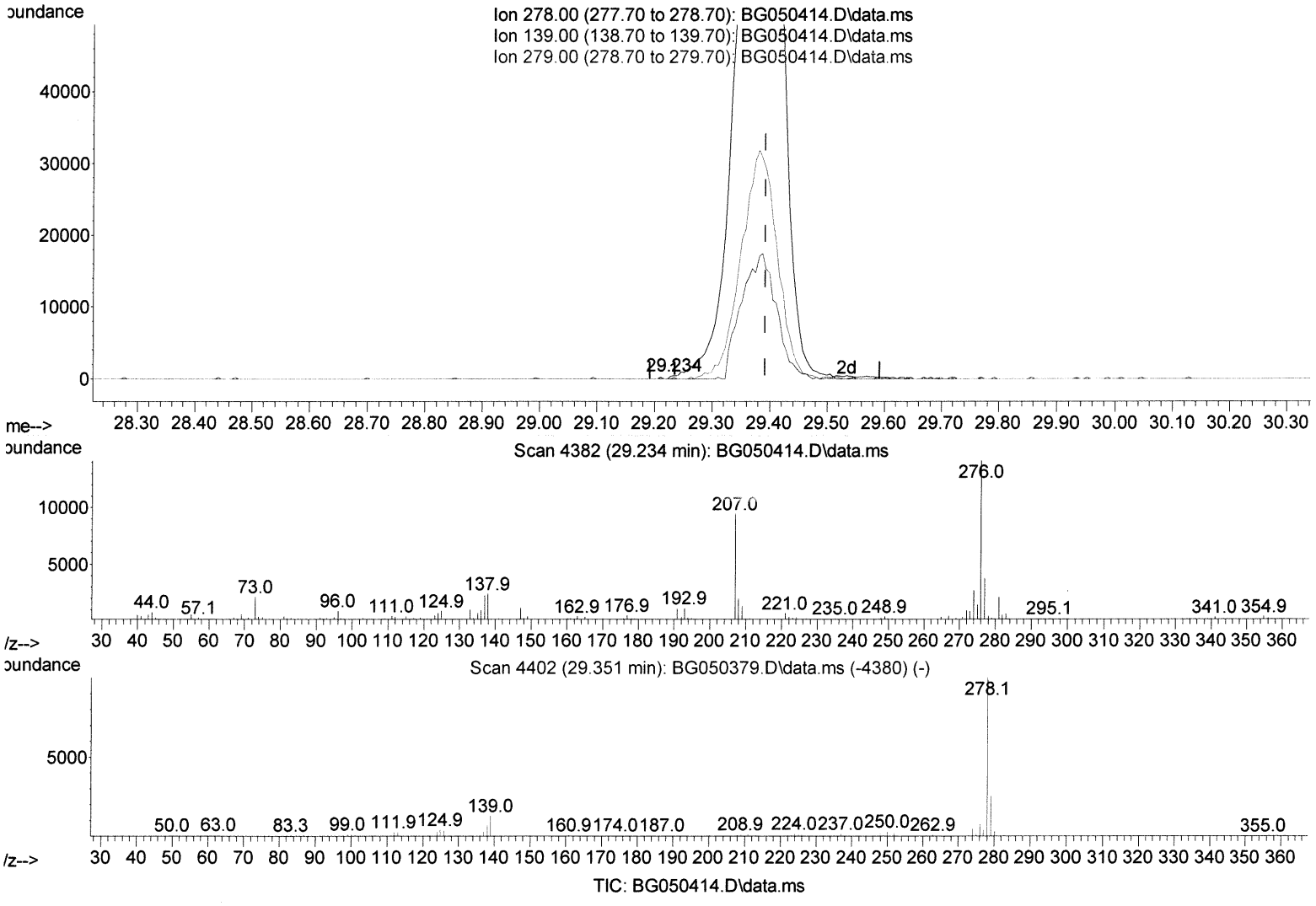

(95) Dibenzo(a,h)anthracene

29.234min (-0.158) 0.03 ng/ul

response 421

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	14.10	0.00#
279.00	22.90	50.78#
0.00	0.00	0.00

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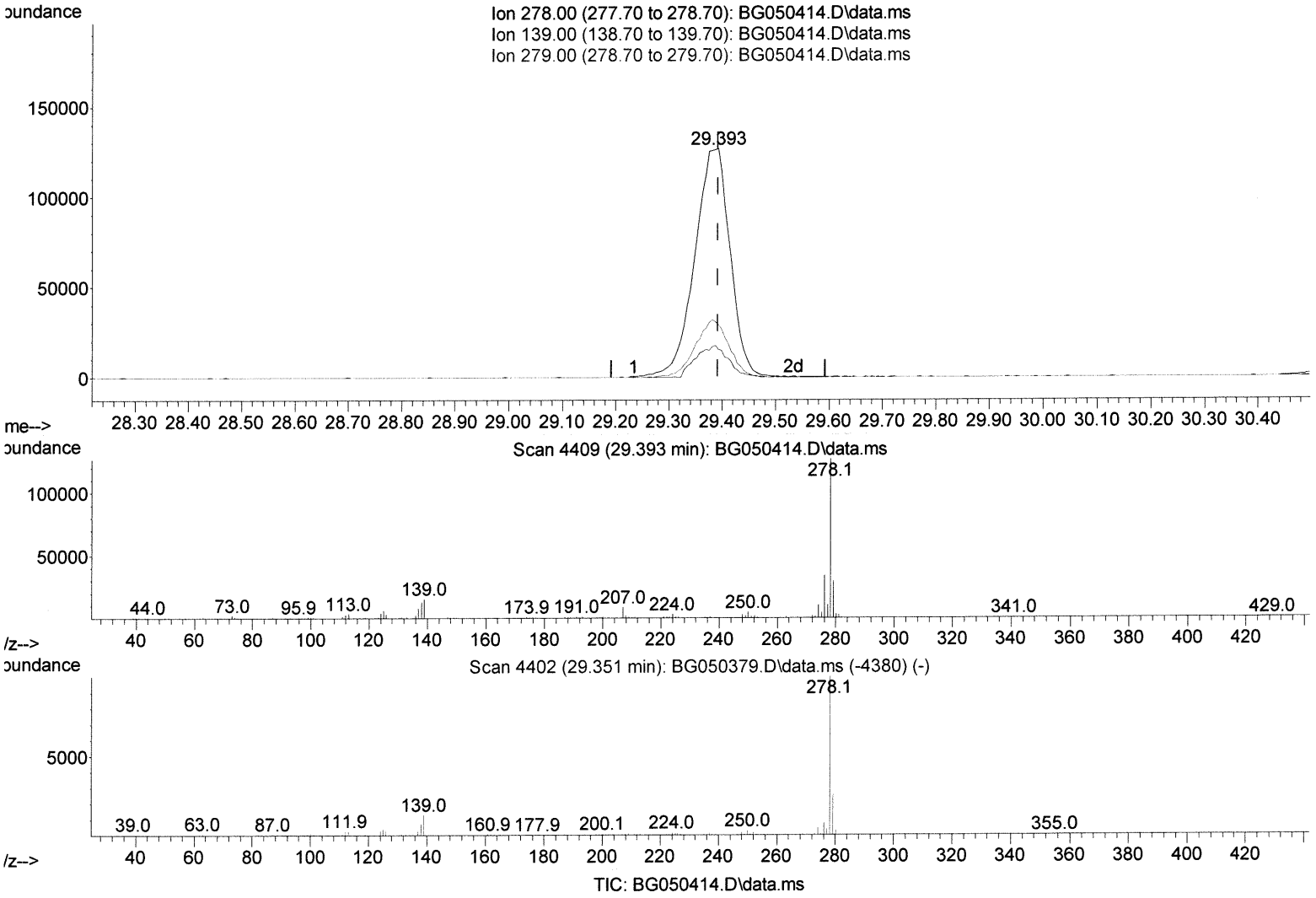

(95) Dibenzo(a,h)anthracene

29.393min (+ 0.000) 39.68 ng/ul m

response 583133

JH 10/08/21

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	14.10	12.08
279.00	22.90	23.10
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	8.271	152	50060	20.000	ng/ul	0.00
20) Naphthalene-d8	11.097	136	210006	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.892	164	132726	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.636	188	290453	20.000	ng/ul	0.00
79) Chrysene-d12	21.937	240	261845	20.000	ng/ul	-0.01
88) Perylene-d12	25.368	264	264661	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.641	96	7853	5.763	ng/uL	0.00
4) Pyridine-d5	4.064	84	26966	6.642	ng/ul	0.00
7) Phenol-d5	7.401	99	40302	9.215	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.583	67	114675	41.660	ng/ul	0.00
11) 2-Chlorophenol-d4	7.795	132	98626	32.183	ng/ul	0.00
15) 4-Methylphenol-d8	8.964	113	70138	21.187	ng/ul	0.00
21) Nitrobenzene-d5	9.446	128	65902	44.858	ng/ul	0.00
24) 2-Nitrophenol-d4	10.169	143	66550	42.208	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.703	165	113610	36.490	ng/ul	0.00
31) 4-Chloroaniline-d4	11.226	131	136990	30.799	ng/ul	0.00
46) Dimethylphthalate-d6	14.287	166	369027	40.626	ng/ul	0.00
49) Acenaphthylene-d8	14.587	160	459785	40.306	ng/ul	0.00
54) 4-Nitrophenol-d4	15.051	143	17156	9.806	ng/ul	0.00
60) Fluorene-d10	15.880	176	332902	40.678	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.985	200	55604	38.382	ng/ul	0.00
73) Anthracene-d10	17.736	188	504574	41.121	ng/ul	0.00
81) Pyrene-d10	20.004	212	595783	42.791	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.133	264	531728	39.955	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.676	88	9400	5.702	ng/uL	94
5) Pyridine	4.087	79	30164	7.334	ng/ul	98
6) Benzaldehyde	7.407	77	119260	41.345	ng/ul	92
8) Phenol	7.431	94	42548	9.491	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.683	93	129171	38.414	ng/ul	96
12) 2-Chlorophenol	7.830	128	93921	29.955	ng/ul	96
13) 2-Methylphenol	8.700	108	78091	23.637	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.788	45	208309	41.289	ng/ul	97
16) Acetophenone	9.099	105	200360	38.092	ng/ul	100
17) N-Nitroso-di-n-propyla...	9.076	70	122658	38.803	ng/ul#	94
18) 4-Methylphenol	9.029	108	70748	20.221	ng/ul	96
19) Hexachloroethane	9.364	117	48308	35.849	ng/ul	93
22) Nitrobenzene	9.487	77	177047	40.210	ng/ul	95
23) Isophorone	10.010	82	311575	36.822	ng/ul	99
25) 2-Nitrophenol	10.198	139	65585	40.471	ng/ul	93
26) 2,4-Dimethylphenol	10.239	107	109321	27.177	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.486	93	169758	37.159	ng/ul	97
29) 2,4-Dichlorophenol	10.733	162	104089	33.768	ng/ul	96
30) Naphthalene	11.150	128	385417	35.747	ng/ul	98
32) 4-Chloroaniline	11.250	127	128251	28.640	ng/ul	95
33) Hexachlorobutadiene	11.426	225	76774	34.273	ng/ul	98
34) Caprolactam	12.008	113	5865	4.925	ng/ul	89
35) 4-Chloro-3-methylphenol	12.337	107	114910	31.619	ng/ul	96

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.736	142	272825	37.219 ng/ul	96
37) 1-Methylnaphthalene	12.954	142	259060	35.105 ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.095	216	149054	38.915 ng/ul	99
40) Hexachlorocyclopentadiene	13.071	237	58504	23.032 ng/ul	89
41) 2,4,6-Trichlorophenol	13.324	196	95437	39.532 ng/ul	95
42) 2,4,5-Trichlorophenol	13.394	196	103841	39.321 ng/ul	98
43) 1,1'-Biphenyl	13.729	154	343536	38.461 ng/ul	99
44) 2-Chloronaphthalene	13.776	162	267834	38.275 ng/ul	98
45) 2-Nitroaniline	13.970	65	106552	46.510 ng/ul	92
47) Dimethylphthalate	14.334	163	345359	37.788 ng/ul	99
48) 2,6-Dinitrotoluene	14.458	165	73046	42.490 ng/ul#	92
50) Acenaphthylene	14.616	152	404020	34.917 ng/ul	98
51) 3-Nitroaniline	14.787	138	73401	39.251 ng/ul	93
52) Acenaphthene	14.957	153	298967	39.093 ng/ul	98
53) 2,4-Dinitrophenol	14.986	184	34857	32.529 ng/ul	90
55) 4-Nitrophenol	15.069	109	16813	9.719 ng/ul	95
56) Dibenzofuran	15.286	168	416170	37.417 ng/ul	96
57) 2,4-Dinitrotoluene	15.239	165	102462	41.045 ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.503	232	86617	38.141 ng/ul#	93
59) Diethylphthalate	15.686	149	363174	38.084 ng/ul	98
61) Fluorene	15.932	166	327240	36.981 ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.921	204	172958	36.091 ng/ul	96
63) 4-Nitroaniline	15.944	138	76090	40.292 ng/ul	93
66) 4,6-Dinitro-2-methylph...	16.003	198	52045	36.343 ng/ul	95
67) N-Nitrosodiphenylamine	16.132	169	294151	40.054 ng/ul	99
68) 4-Bromophenyl-phenylether	16.814	248	107341	39.694 ng/ul	93
69) Hexachlorobenzene	16.931	284	108425	38.076 ng/ul	99
70) Atrazine	17.072	200	107883	34.502 ng/ul	97
71) Pentachlorophenol	17.272	266	70524	37.818 ng/ul	98
72) Phenanthrene	17.677	178	558063	38.491 ng/ul	99
74) Anthracene	17.771	178	549197	38.248 ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.694	216	156274	40.810 ng/uL	97
76) Pentachlorobenzene	15.204	250	133350	38.118 ng/uL	99
77) Carbazole	18.036	167	517634	40.276 ng/ul	99
78) Di-n-butylphthalate	18.570	149	614687	40.361 ng/ul	99
80) Fluoranthene	19.675	202	684933	39.173 ng/ul	99
82) Pyrene	20.033	202	668237	38.756 ng/ul	97
83) Butylbenzylphthalate	20.909	149	276207	43.461 ng/ul	99
84) 3,3'-Dichlorobenzidine	21.820	252	206084	38.186 ng/ul	99
85) Benzo(a)anthracene	21.919	228	627110	39.727 ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.796	149	407765	44.650 ng/ul	99
87) Chrysene	21.990	228	603375	39.885 ng/ul	99
89) Di-n-octyl phthalate	23.083	149	694152	45.645 ng/ul	100
90) Benzo(b)fluoranthene	24.270	252	643226	39.901 ng/ul	99
91) Benzo(k)fluoranthene	24.346	252	598251	39.882 ng/ul	99
93) Benzo(a)pyrene	25.210	252	557932	36.274 ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.317	276	691856	40.063 ng/ul	98
95) Dibenzo(a,h)anthracene	29.393	278	583133m	39.680 ng/ul	96
96) Benzo(g,h,i)perylene	30.551	276	571480	39.257 ng/ul	96

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