Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM052621\
Data File : BM030180.D
Acq On : 26 May 2021 22:28
Operator : CG/JU
Sample : PB136653BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 27 03:32:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM052621.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 26 15:30:24 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SLCS653

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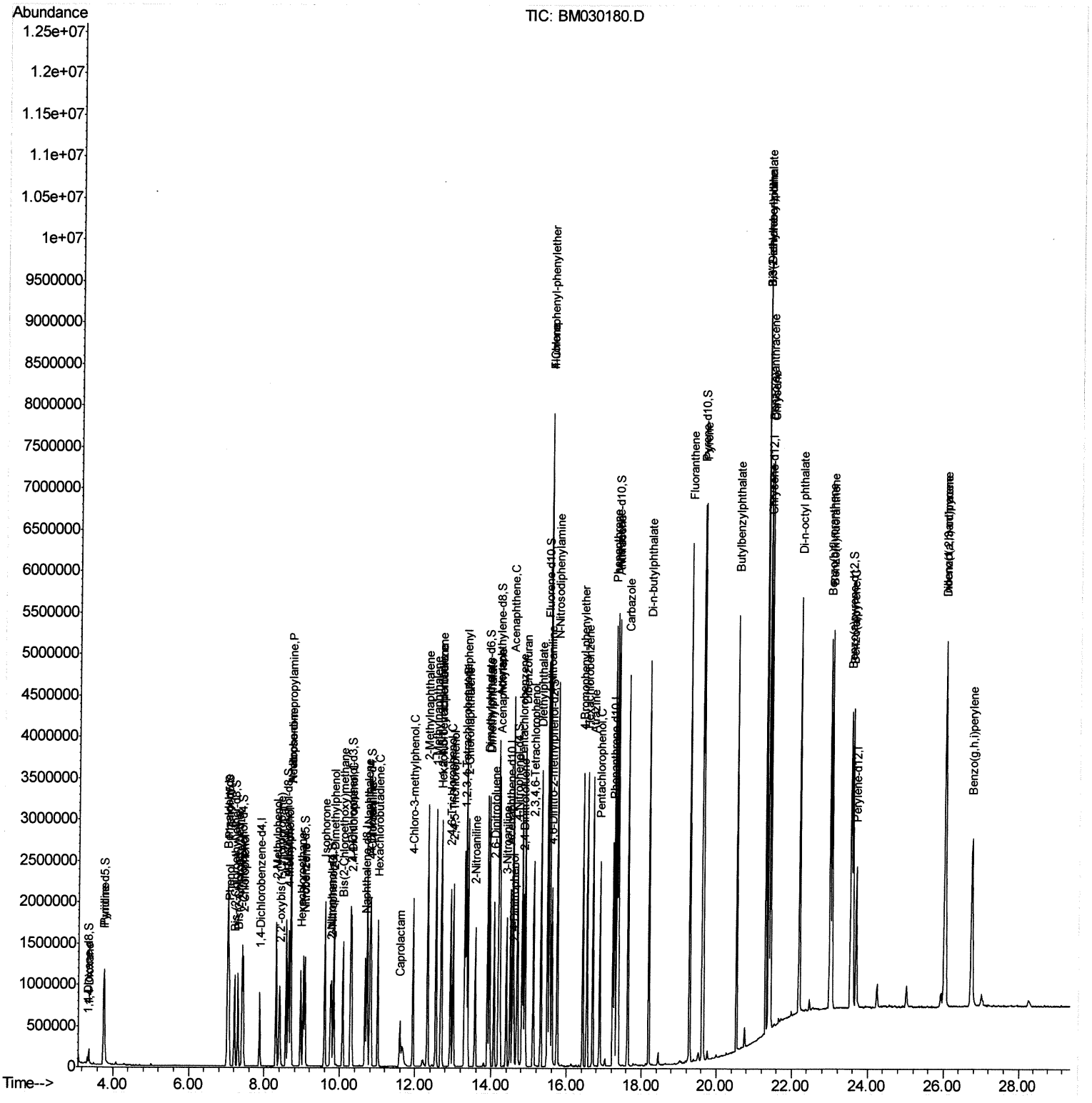

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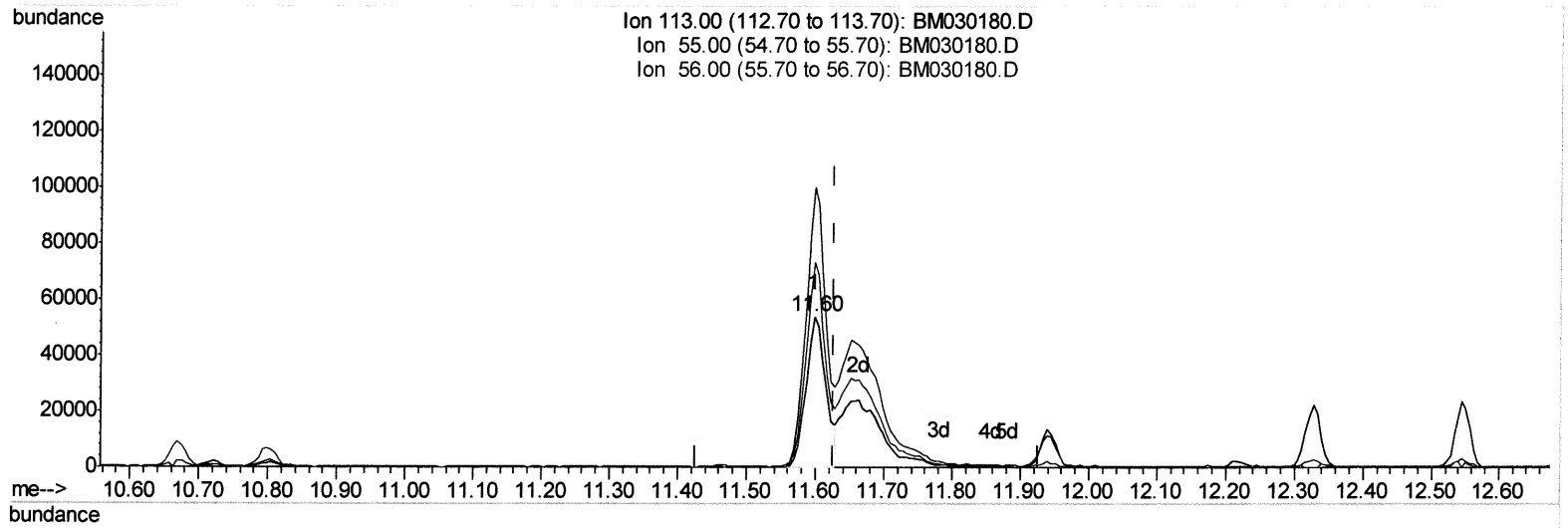

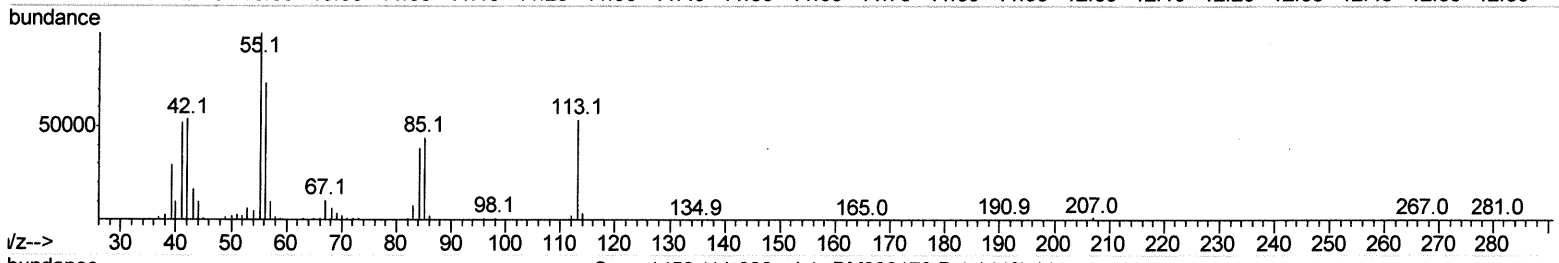

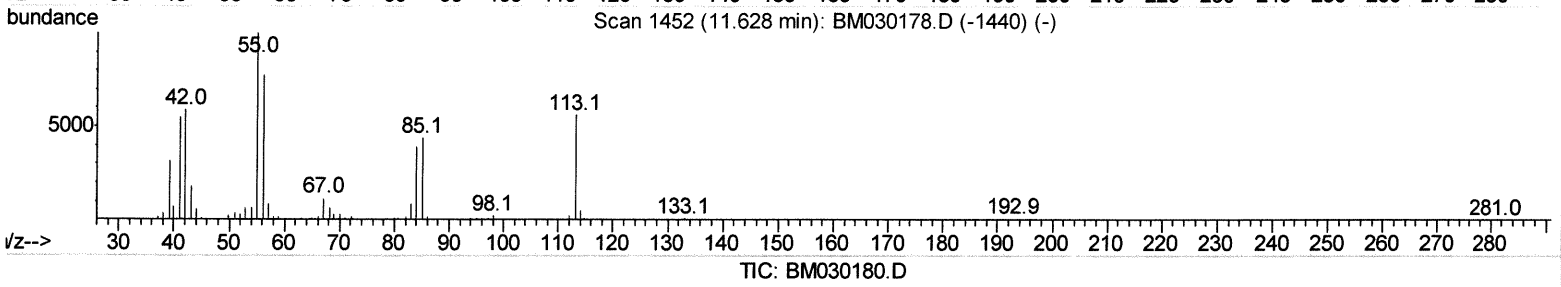

TIC: BM030180.D

(34) Caprolactam

11.598min (-0.029) 20.64ng/ul

response 106930

Ion	Exp%	Act%
113.00	100	100
55.00	190.70	186.00
56.00	134.00	135.94
0.00	0.00	0.00

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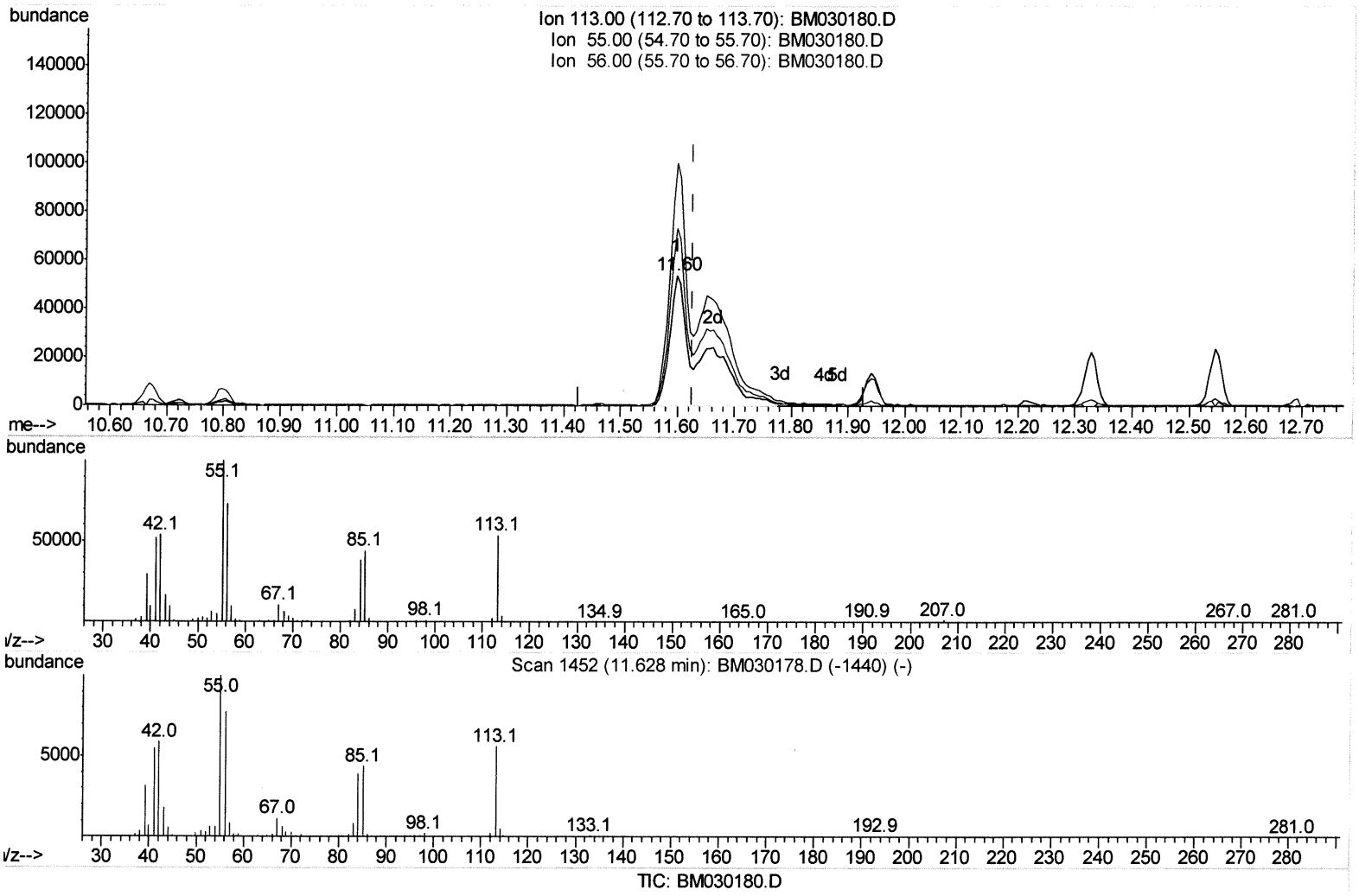

TIC: BM030180.D

(34) Caprolactam

11.598min (-0.029) 39.85ng/ul m JH 5/28/21

response 206462

Ion	Exp%	Act%
113.00	100	100
55.00	190.70	186.00
56.00	134.00	135.94
0.00	0.00	0.00

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	246780	20.00	ng/ul	0.00
20) Naphthalene-d8	10.67	136	1095956	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.50	164	744936	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.23	188	1575885	20.00	ng/ul	0.00
79) Chrysene-d12	21.39	240	1435242	20.00	ng/ul	0.00
88) Perylene-d12	23.69	264	1167260	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.34	96	37024	6.14	ng/uL	0.00
4) Pyridine-d5	3.75	84	515609	30.50	ng/ul	0.00
7) Phenol-d5	7.03	99	816231	37.62	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.21	67	501791	36.64	ng/ul	0.00
11) 2-Chlorophenol-d4	7.41	132	625706	38.50	ng/ul	0.00
15) 4-Methylphenol-d8	8.57	113	661571	38.40	ng/ul	0.00
21) Nitrobenzene-d5	9.03	128	305509	42.71	ng/ul	0.00
24) 2-Nitrophenol-d4	9.75	143	310523	45.58	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.29	165	697671	39.69	ng/ul	0.00
31) 4-Chloroaniline-d4	10.80	131	937372	35.90	ng/ul	0.00
46) Dimethylphthalate-d6	13.91	166	2257312	39.63	ng/ul	0.00
49) Acenaphthylene-d8	14.19	160	2791777	38.03	ng/ul	0.00
54) 4-Nitrophenol-d4	14.69	143	398844	43.34	ng/ul	0.00
60) Fluorene-d10	15.49	176	1959968	39.43	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.60	200	334057	43.73	ng/ul	0.00
73) Anthracene-d10	17.33	188	2983787	38.26	ng/ul	0.00
81) Pyrene-d10	19.62	212	3301851	42.92	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.54	264	2681639	40.53	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	84846	13.082	ng/uL	98
5) Pyridine	3.77	79	497530	28.660	ng/ul	99
6) Benzaldehyde	7.02	77	445465	38.475	ng/ul	98
8) Phenol	7.06	94	735365	33.362	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.30	93	574695	32.483	ng/ul	98
12) 2-Chlorophenol	7.44	128	565304	33.966	ng/ul	99
13) 2-Methylphenol	8.31	108	562218	33.733	ng/ul	99
14) 2,2'-oxybis(1-Chloropropan	8.40	45	933399	31.749	ng/ul	99
16) Acetophenone	8.70	105	934639	33.564	ng/ul	100
17) N-Nitroso-di-n-propylamine	8.69	70	498332	33.926	ng/ul	98
18) 4-Methylphenol	8.64	108	620103	34.553	ng/ul	99
19) Hexachloroethane	8.96	117	224571	31.514	ng/ul	99
22) Nitrobenzene	9.07	77	681947	35.214	ng/ul	99
23) Isophorone	9.60	82	1372332	33.607	ng/ul	100
25) 2-Nitrophenol	9.79	139	311317	40.469	ng/ul	99
26) 2,4-Dimethylphenol	9.84	107	595400	29.091	ng/ul	99
27) Bis(2-Chloroethoxy)methane	10.08	93	840598	33.586	ng/ul	99
29) 2,4-Dichlorophenol	10.32	162	605567	35.693	ng/ul	99
30) Naphthalene	10.72	128	1937304	32.219	ng/ul	100
32) 4-Chloroaniline	10.82	127	816220	30.198	ng/ul	100
33) Hexachlorobutadiene	11.01	225	368199	31.852	ng/ul	99
34) Caprolactam	11.60	113	206462m	39.845	ng/ul	

JU 5/28/21

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.94	107	655773	36.873	ng/ul	99
36) 2-Methylnaphthalene	12.33	142	1480263	32.923	ng/ul	98
37) 1-Methylnaphthalene	12.55	142	1444585	33.049	ng/ul	100
39) 1,2,4,5-Tetrachlorobenzene	12.70	216	794052	32.852	ng/ul	99
40) Hexachlorocyclopentadiene	12.68	237	392712	23.186	ng/ul	100
41) 2,4,6-Trichlorophenol	12.93	196	512192	37.755	ng/ul	96
42) 2,4,5-Trichlorophenol	13.00	196	562388	38.318	ng/ul	99
43) 1,1'-Biphenyl	13.33	154	1976701	33.272	ng/ul	100
44) 2-Chloronaphthalene	13.38	162	1527888	33.455	ng/ul	99
45) 2-Nitroaniline	13.57	65	438868	41.834	ng/ul	94
47) Dimethylphthalate	13.96	163	2018606	35.882	ng/ul	100
48) 2,6-Dinitrotoluene	14.07	165	395764	44.142	ng/ul	92
50) Acenaphthylene	14.22	152	2317285	32.687	ng/ul	100
51) 3-Nitroaniline	14.40	138	402460	38.515	ng/ul#	99
52) Acenaphthene	14.56	153	1710552	34.159	ng/ul	99
53) 2,4-Dinitrophenol	14.60	184	200384	35.599	ng/ul	99
55) 4-Nitrophenol	14.70	109	277792	27.491	ng/ul	97
56) Dibenzofuran	14.90	168	2393545	34.532	ng/ul	99
57) 2,4-Dinitrotoluene	14.86	165	571413	43.945	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.12	232	497462	40.139	ng/ul	99
59) Diethylphthalate	15.32	149	2076469	36.440	ng/ul	99
61) Fluorene	15.54	166	2058349	35.002	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.54	204	1011974	35.096	ng/ul	99
63) 4-Nitroaniline	15.56	138	442734	41.205	ng/ul	97
66) 4,6-Dinitro-2-methylphenol	15.62	198	308911	39.198	ng/ul	98
67) N-Nitrosodiphenylamine	15.75	169	1775046	34.534	ng/ul	99
68) 4-Bromophenyl-phenylether	16.43	248	635032	35.802	ng/ul	98
69) Hexachlorobenzene	16.54	284	721717	35.597	ng/ul	99
70) Atrazine	16.70	200	635816	34.486	ng/ul	99
71) Pentachlorophenol	16.88	266	408484	32.991	ng/ul	99
72) Phenanthrene	17.27	178	3274017	35.451	ng/ul	100
74) Anthracene	17.37	178	3257772	34.389	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.30	216	799607	31.099	ng/uL	99
76) Pentachlorobenzene	14.82	250	798747	33.490	ng/uL	100
77) Carbazole	17.63	167	2953645	34.406	ng/ul	99
78) Di-n-butylphthalate	18.20	149	3566314	37.401	ng/ul	100
80) Fluoranthene	19.28	202	3726042	39.621	ng/ul	99
82) Pyrene	19.64	202	3809538	38.757	ng/ul	99
83) Butylbenzylphthalate	20.53	149	1409990	42.027	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.31	252	1053633	34.674	ng/ul	98
85) Benzo(a)anthracene	21.37	228	3383818	35.784	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.30	149	2092617	38.871	ng/ul	99
87) Chrysene	21.43	228	3246578	35.270	ng/ul	99
89) Di-n-octyl phthalate	22.20	149	3169586	42.231	ng/ul	100
90) Benzo(b)fluoranthene	22.99	252	3063273	39.161	ng/ul	100
91) Benzo(k)fluoranthene	23.04	252	2984264	38.688	ng/ul	100
93) Benzo(a)pyrene	23.59	252	2612858	37.844	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.03	276	3125674	36.142	ng/ul	100
95) Dibenzo(a,h)anthracene	26.04	278	2626942	36.333	ng/ul	98
96) Benzo(g,h,i)perylene	26.74	276	2506198	35.468	ng/ul	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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