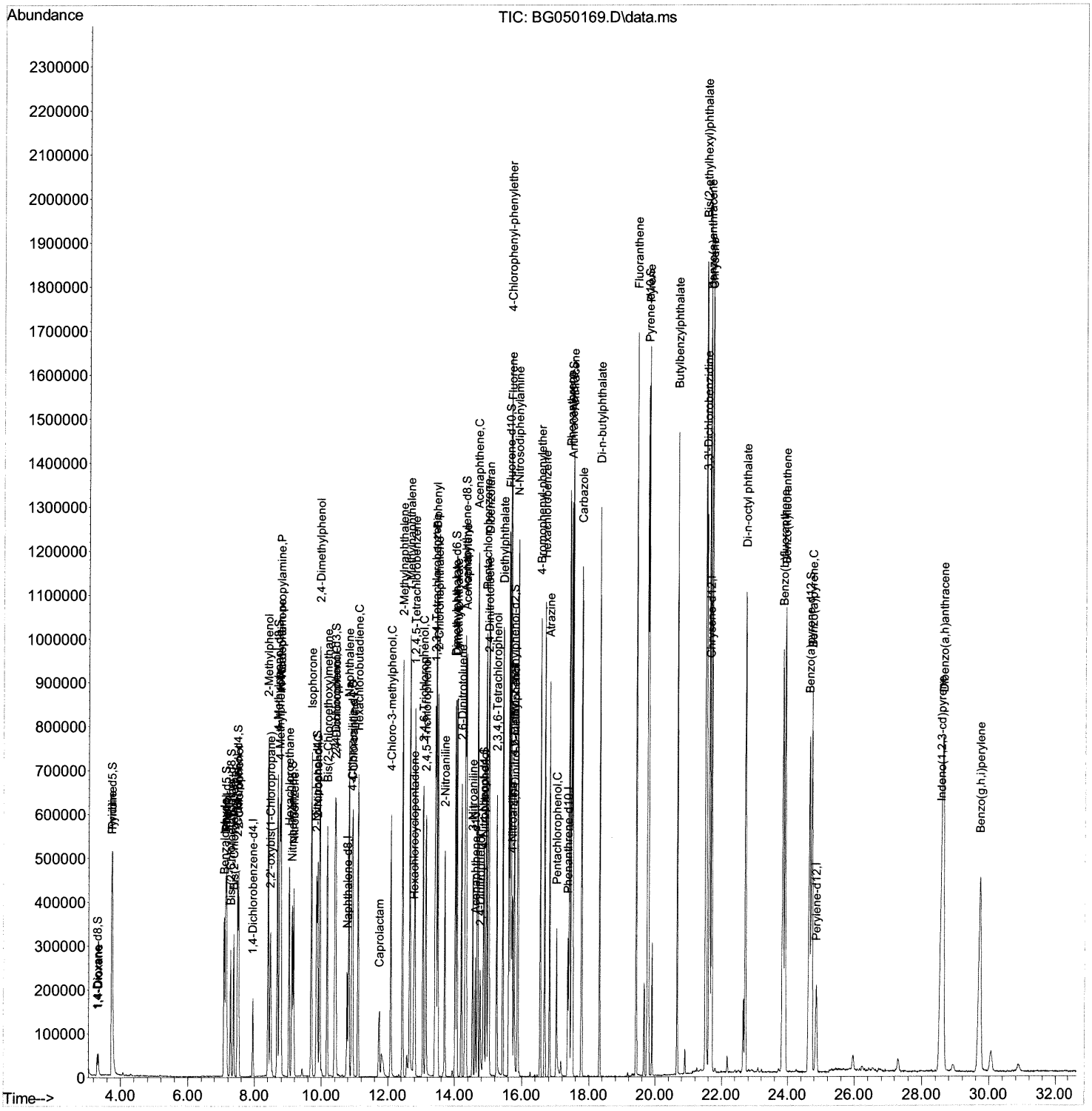
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050169.D
Acq On : 7 Sep 2021 13:49
Operator : CG/JU
Sample : SSTD08033
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 07 18:11:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 07 17:42:55 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080433

Manual Integrations APPROVED
mohammad
9/9/2021 8:39:24 AM



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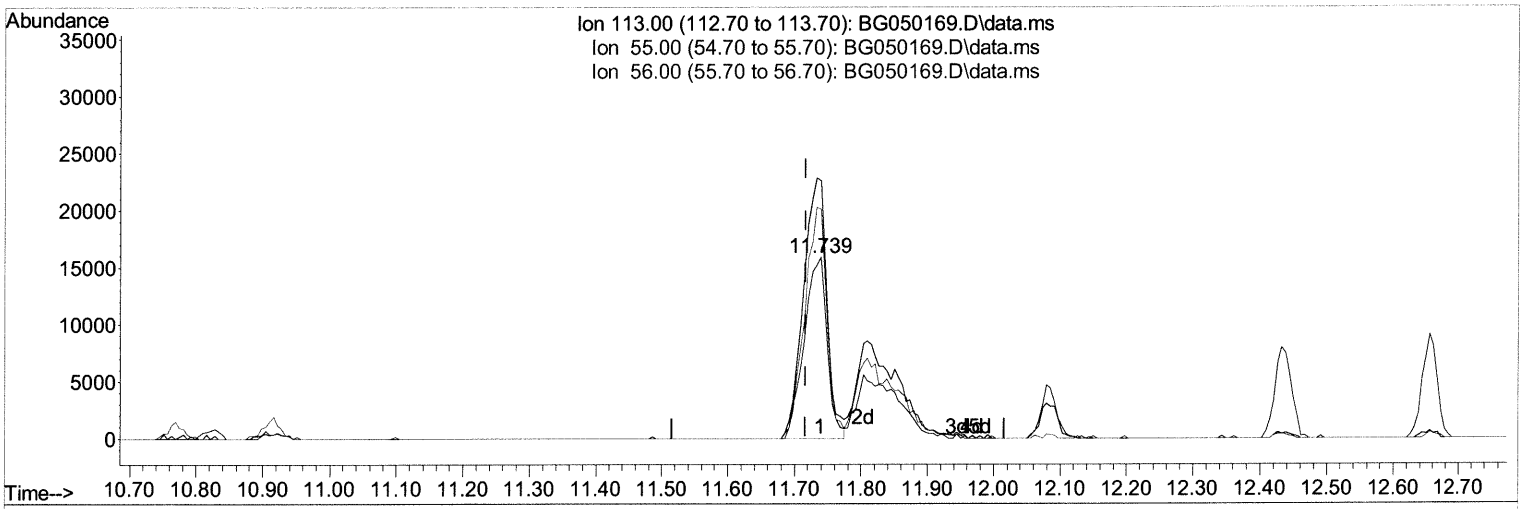

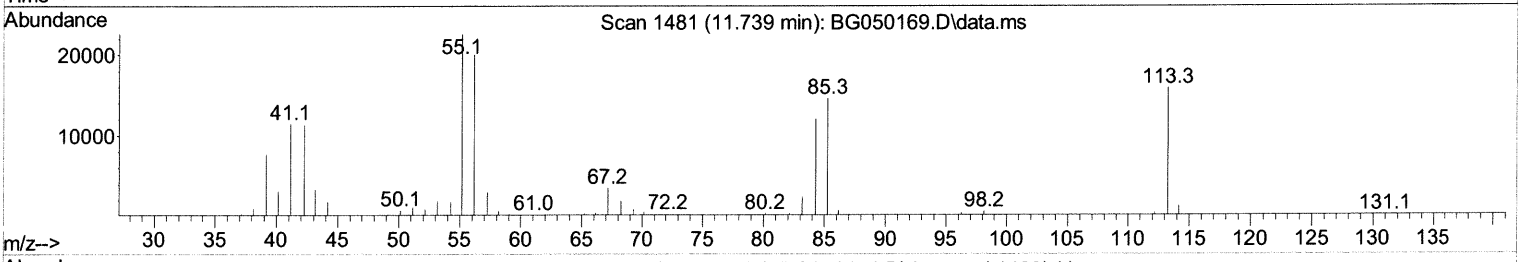

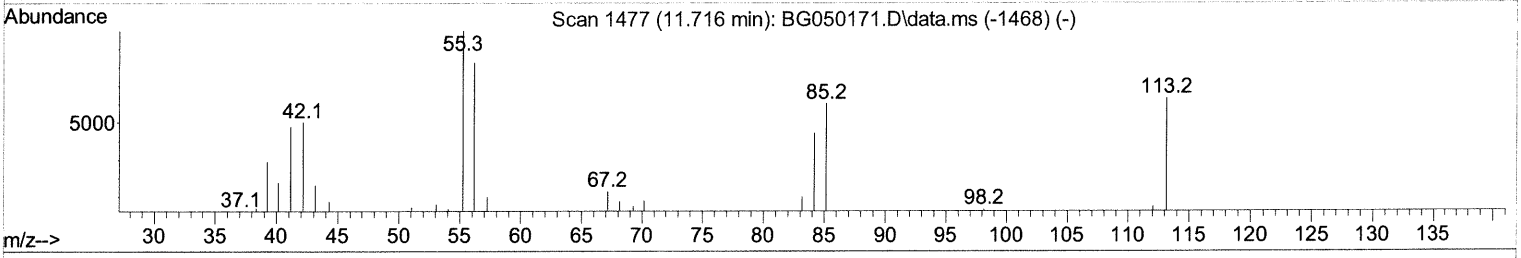

TIC: BG050169.D\data.ms

(34) Caprolactam

11.739min (+ 0.022) 41.74 ng/ul

response 37763

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	142.22
56.00	134.20	126.46
0.00	0.00	0.00

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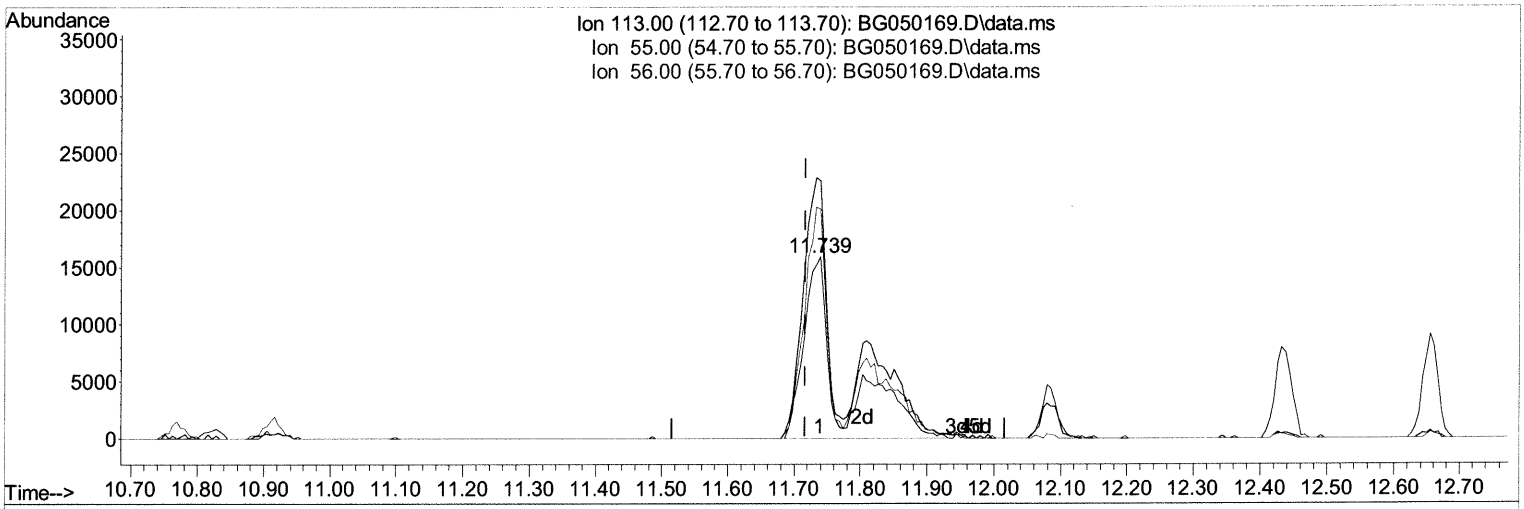

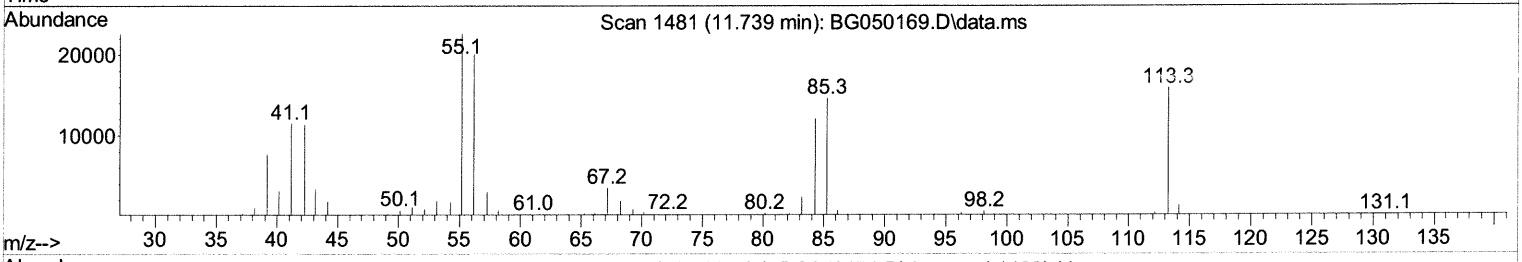

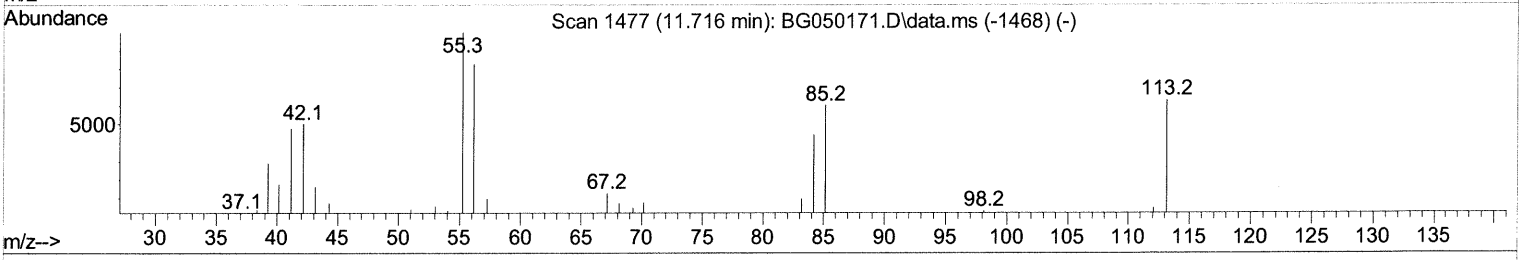

TIC: BG050169.D\data.ms

(34) Caprolactam

11.739min (+ 0.022) 68.21 ng/ul m 09/10/21 JU

response 61706

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	142.50	142.22
56.00	134.20	126.46
0.00	0.00	0.00

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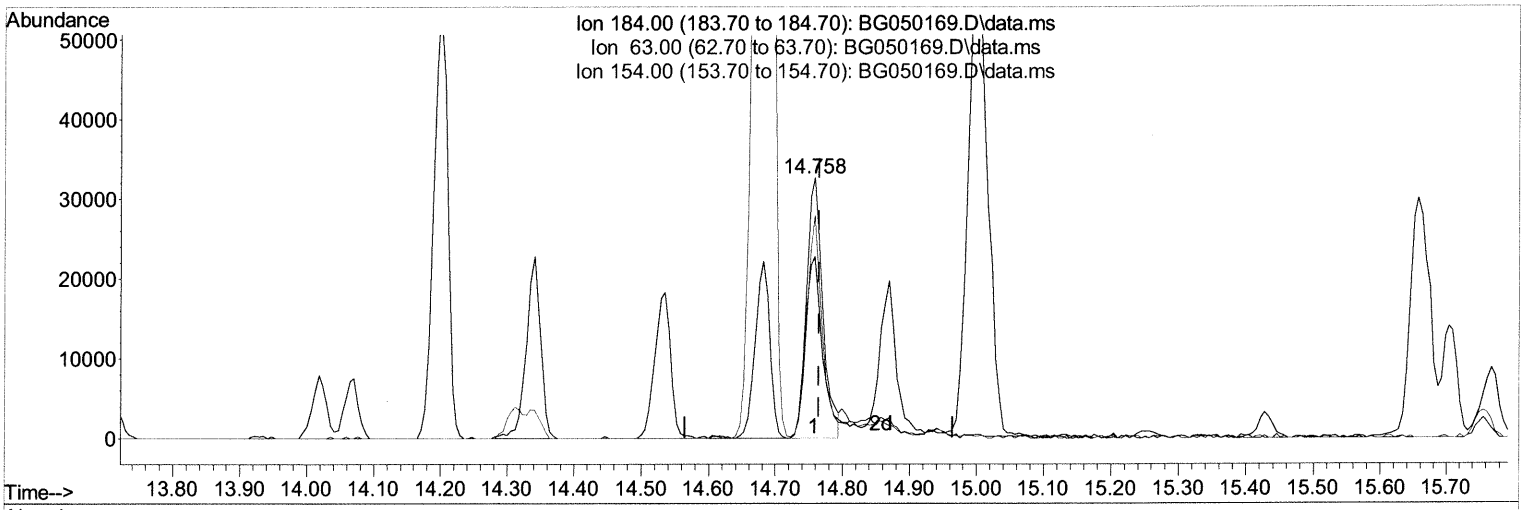

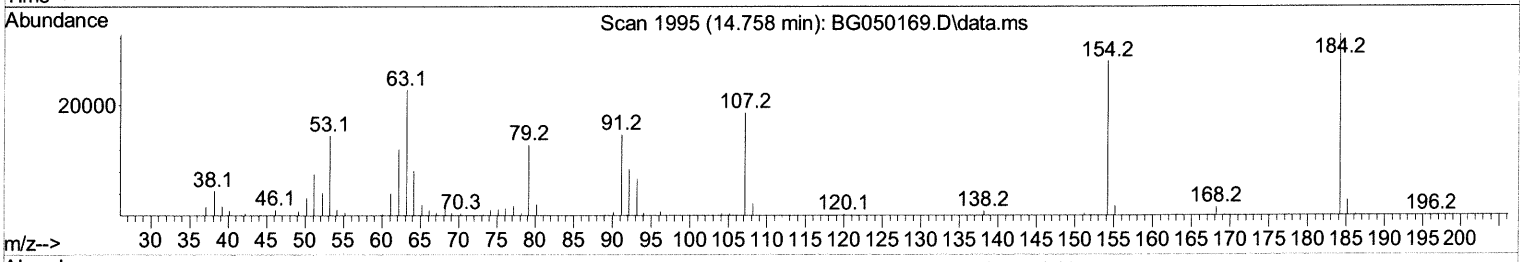

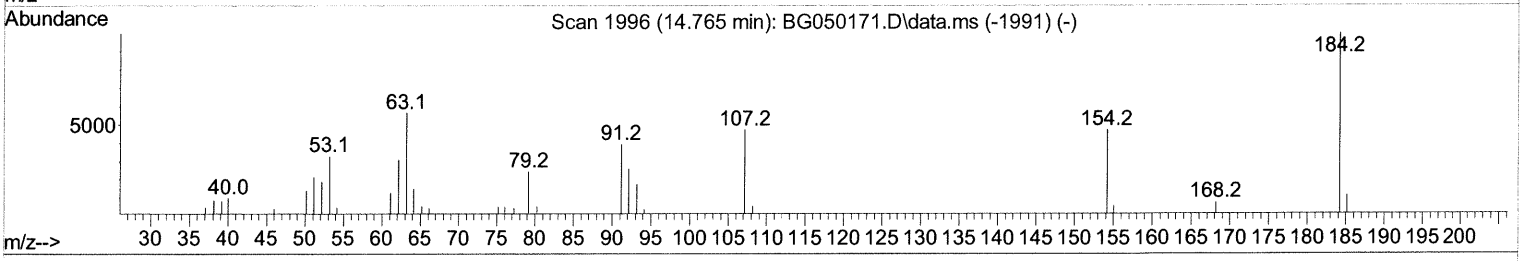

TIC: BG050169.D\data.ms

(53) 2,4-Dinitrophenol

14.758min (-0.007) 81.01 ng/ul

response 55780

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	94.80	69.60#
154.00	80.70	85.45
0.00	0.00	0.00

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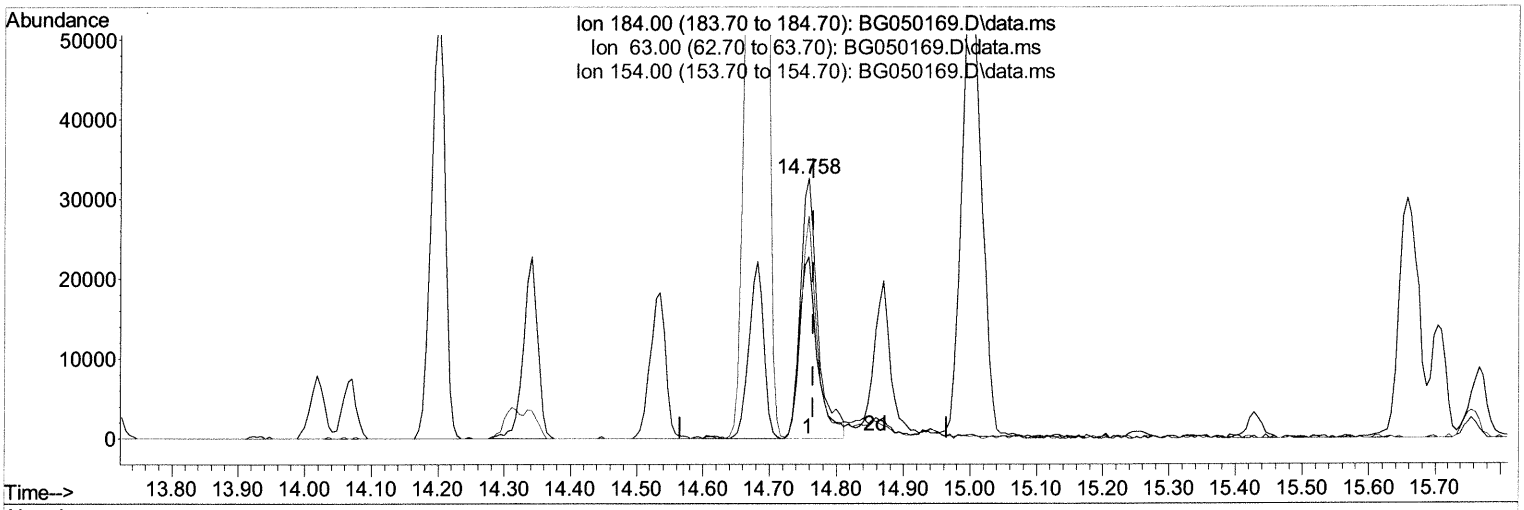

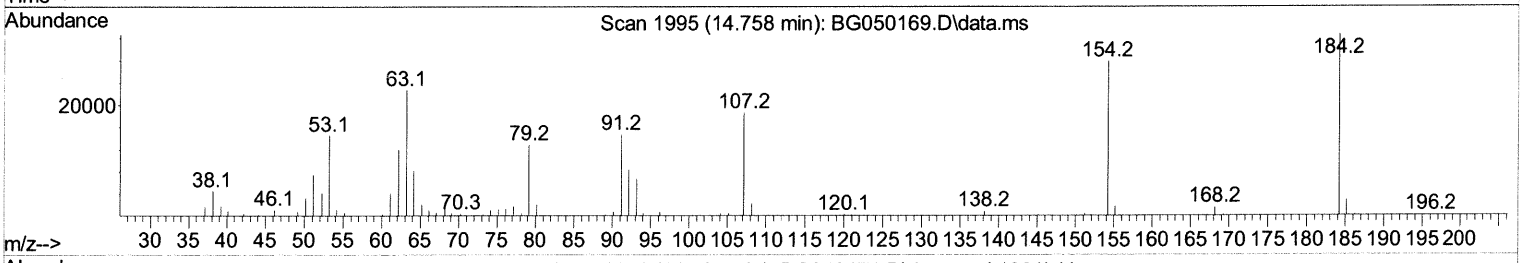

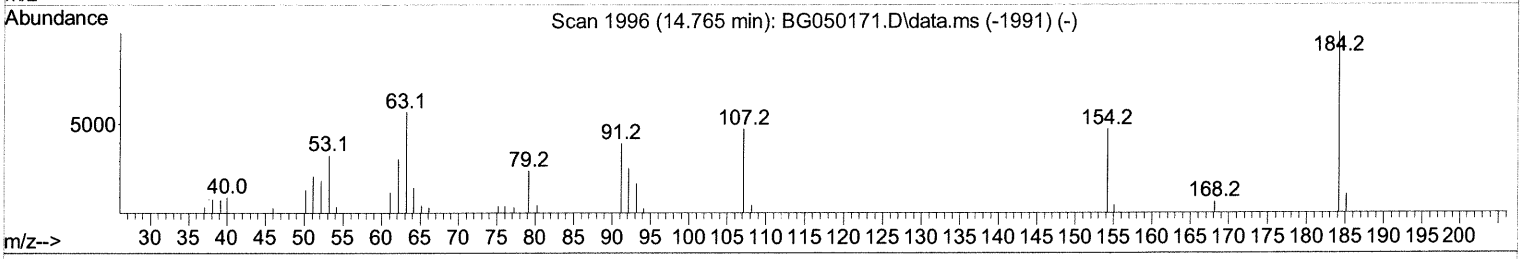

TIC: BG050169.D\data.ms

(53) 2,4-Dinitrophenol

14.758min (-0.007) 85.42 ng/ul m 09/10/21 JU

response 58814

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	94.80	69.60#
154.00	80.70	85.45
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	7.950	152	50076	20.000	ng/ul	0.00
20) Naphthalene-d8	10.769	136	193713	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.617	164	101590	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.366	188	212234	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.643	240	262050	20.000	ng/ul	# 0.00
88) Perylene-d12	24.862	264	216912	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.303	96	30247	29.031	ng/uL	0.00
4) Pyridine-d5	3.726	84	276854	68.791	ng/ul	-0.01
7) Phenol-d5	7.127	99	260614	59.415	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.274	67	142396	59.933	ng/ul	0.00
11) 2-Chlorophenol-d4	7.485	132	199800	59.422	ng/ul	0.00
15) 4-Methylphenol-d8	8.684	113	265007	74.977	ng/ul	0.00
21) Nitrobenzene-d5	9.124	128	102329	72.250	ng/ul	0.00
24) 2-Nitrophenol-d4	9.853	143	143620	82.484	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.405	165	238193	74.265	ng/ul	0.00
31) 4-Chloroaniline-d4	10.916	131	267711	67.792	ng/ul	0.00
46) Dimethylphthalate-d6	14.018	166	598742	72.345	ng/ul	0.00
49) Acenaphthylene-d8	14.312	160	728218	75.083	ng/ul	0.00
54) 4-Nitrophenol-d4	14.852	143	82097	83.535	ng/ul	0.00
60) Fluorene-d10	15.610	176	515411	76.134	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	109786	80.399	ng/ul	0.00
73) Anthracene-d10	17.472	188	757458	74.391	ng/ul	0.00
81) Pyrene-d10	19.763	212	856589	61.661	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.645	264	935765	76.321	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.338	88	35097	28.969	ng/uL	96
5) Pyridine	3.749	79	278242	67.855	ng/ul#	86
6) Benzaldehyde	7.086	77	147861	62.984	ng/ul	96
8) Phenol	7.157	94	255933	60.528	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.368	93	188526	60.300	ng/ul	97
12) 2-Chlorophenol	7.515	128	198875	61.274	ng/ul#	87
13) 2-Methylphenol	8.408	108	256773	77.254	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.478	45	264670	85.084	ng/ul	98
16) Acetophenone	8.784	105	312740	61.275	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.778	70	159356	57.652	ng/ul	97
18) 4-Methylphenol	8.748	108	227175	66.548	ng/ul	87
19) Hexachloroethane	9.030	117	94692	64.358	ng/ul	96
22) Nitrobenzene	9.171	77	257232	68.039	ng/ul	95
23) Isophorone	9.700	82	610592	82.355	ng/ul	97
25) 2-Nitrophenol	9.882	139	135384	79.323	ng/ul	92
26) 2,4-Dimethylphenol	9.947	107	363839	94.972	ng/ul	89
27) Bis(2-Chloroethoxy)met...	10.176	93	353098	85.114	ng/ul	96
29) 2,4-Dichlorophenol	10.429	162	212853	73.169	ng/ul	95
30) Naphthalene	10.822	128	651281	68.849	ng/ul	98
32) 4-Chloroaniline	10.940	127	254424	68.810	ng/ul	92
33) Hexachlorobutadiene	11.098	225	162014	67.846	ng/ul	95
34) Caprolactam	11.739	113	61706m >	68.206	ng/ul >	09/10/21 JU
35) 4-Chloro-3-methylphenol	12.085	107	222985	63.298	ng/ul	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.438	142	455152	63.960 ng/ul	99
37) 1-Methylnaphthalene	12.655	142	457576	65.186 ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.808	216	260768	68.745 ng/ul#	98
40) Hexachlorocyclopentadiene	12.778	237	80800	76.843 ng/ul	98
41) 2,4,6-Trichlorophenol	13.054	196	159523	73.885 ng/ul	94
42) 2,4,5-Trichlorophenol	13.137	196	162282	70.943 ng/ul	95
43) 1,1'-Biphenyl	13.448	154	573594	71.288 ng/ul	98
44) 2-Chloronaphthalene	13.495	162	455114	72.562 ng/ul	98
45) 2-Nitroaniline	13.706	65	148468	69.796 ng/ul	96
47) Dimethylphthalate	14.071	163	575706	73.312 ng/ul	99
48) 2,6-Dinitrotoluene	14.200	165	128276	76.863 ng/ul	85
50) Acenaphthylene	14.341	152	665817	73.801 ng/ul	97
51) 3-Nitroaniline	14.535	138	115855	77.764 ng/ul	97
52) Acenaphthene	14.682	153	488694	75.897 ng/ul	99
53) 2,4-Dinitrophenol	14.758	184	58814m	85.416 ng/ul	09/10/21 JU
55) 4-Nitrophenol	14.870	109	90640	83.719 ng/ul	95
56) Dibenzofuran	15.016	168	658462	74.352 ng/ul	100
57) 2,4-Dinitrotoluene	14.999	165	182665	77.562 ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.251	232	142722	87.201 ng/ul	96
59) Diethylphthalate	15.434	149	594705	75.853 ng/ul	95
61) Fluorene	15.669	166	548732	73.643 ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.657	204	295714	75.122 ng/ul	96
63) 4-Nitroaniline	15.704	138	112646	80.969 ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.774	198	99992	83.393 ng/ul	98
67) N-Nitrosodiphenylamine	15.874	169	472365	77.476 ng/ul	99
68) 4-Bromophenyl-phenylether	16.550	248	212826	79.059 ng/ul	99
69) Hexachlorobenzene	16.679	284	233476	77.408 ng/ul	95
70) Atrazine	16.826	200	186862	73.524 ng/ul	98
71) Pentachlorophenol	17.031	266	70641	81.688 ng/ul	96
72) Phenanthrene	17.413	178	871460	75.780 ng/ul	98
74) Anthracene	17.507	178	857395	72.994 ng/ul#	91
75) 1,2,3,4-Tetrachloroben...	13.413	216	267282	73.811 ng/uL	93
76) Pentachlorobenzene	14.940	250	278155	76.517 ng/uL	97
77) Carbazole	17.777	167	767903	74.735 ng/ul	99
78) Di-n-butylphthalate	18.324	149	943839	75.824 ng/ul	99
80) Fluoranthene	19.428	202	1066628	61.835 ng/ul#	96
82) Pyrene	19.792	202	1016318	60.155 ng/ul	96
83) Butylbenzylphthalate	20.662	149	425806	66.269 ng/ul	99
84) 3,3'-Dichlorobenzidine	21.537	252	438013	72.905 ng/ul#	98
85) Benzo(a)anthracene	21.625	228	1288419	75.635 ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.508	149	775447	80.436 ng/ul	97
87) Chrysene	21.690	228	1164779	73.184 ng/ul	95
89) Di-n-octyl phthalate	22.712	149	1000604	74.577 ng/ul	100
90) Benzo(b)fluoranthene	23.846	252	1116633	76.588 ng/ul#	99
91) Benzo(k)fluoranthene	23.910	252	1025919	74.311 ng/ul	99
93) Benzo(a)pyrene	24.721	252	953010	74.943 ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.563	276	1286529	77.269 ng/ul#	94
95) Dibenzo(a,h)anthracene	28.622	278	1042513	75.626 ng/ul#	97
96) Benzo(g,h,i)perylene	29.726	276	1032156	77.156 ng/ul	96

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