

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG041720\
 Data File : BG045038.D
 Acq On : 17 Apr 2020 18:26
 Operator : CG/JU
 Sample : L2300-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAIM-SYSTEM-SLUDG

Quant Time: Apr 17 19:14:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	56651	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	242730	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	202482	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	495626	20.00	ng	0.00
76) Chrysene-d12	21.66	240	484188	20.00	ng	0.00
87) Perylene-d12	24.85	264	513350	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	433578	126.36	ng	0.00
7) Phenol-d6	7.18	99	641772	125.88	ng	0.00
23) Nitrobenzene-d5	9.18	82	491976	92.48	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	476010	152.17	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1281065	92.77	ng	0.00
79) Terphenyl-d14	20.01	244	2234774	100.60	ng	0.00

Target Compounds

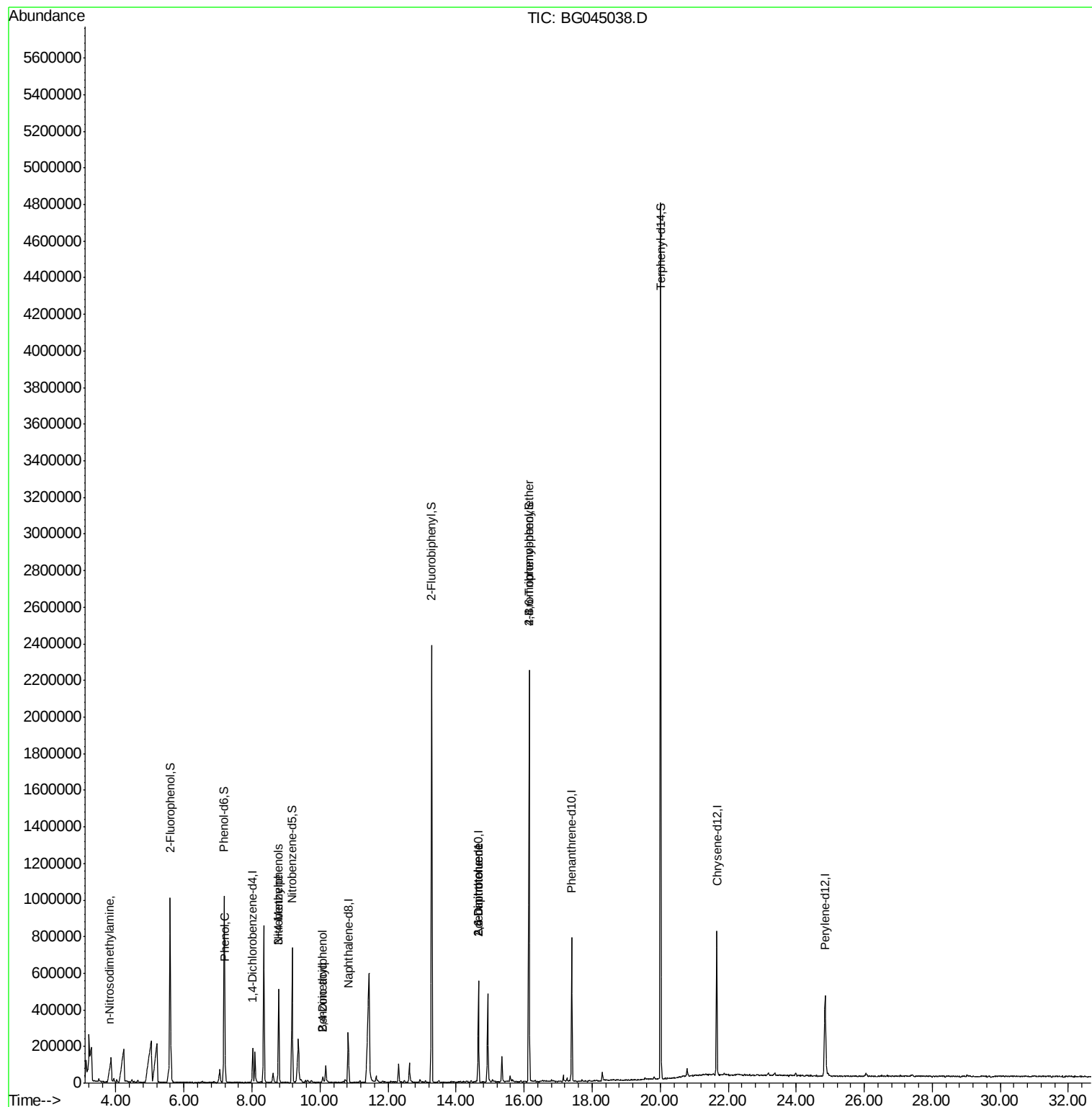
						Qvalue
4) n-Nitrosodimethylamine	3.80	42	6037	4.197	ng	# 1
9) Benzaldehyde	7.15	77	158	Below	Cal	# 4
10) Phenol	7.21	94	63933	12.532	ng	84
20) 3+4-Methylphenols	8.79	107	251456	45.640	ng	91
24) Nitrobenzene	8.79	77	85891	15.752	ng	# 46
27) 2,4-Dimethylphenol	10.07	122	13830	3.711	ng	# 2
32) Benzoic acid	10.07	122	13830	10.357	ng	92
51) 2,6-Dinitrotoluene	14.65	165	26937	7.305	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	26937	4.998	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	32723	5.118	ng	# 1
69) Atrazine	16.82	200	67	Below	Cal	# 35
74) Di-n-butylphthalate	18.37	149	587	Below	Cal	# 57
75) Fluoranthene	19.45	202	397	Below	Cal	62
77) Benzidine	20.01	184	45218	Below	Cal	# 92

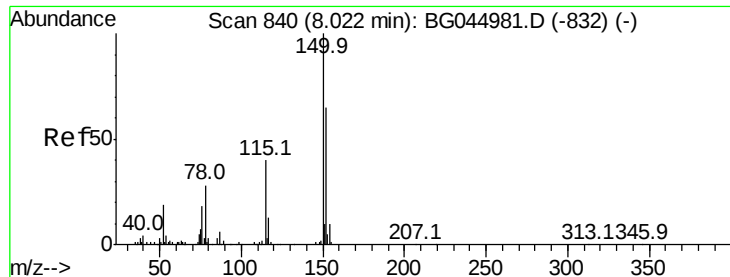
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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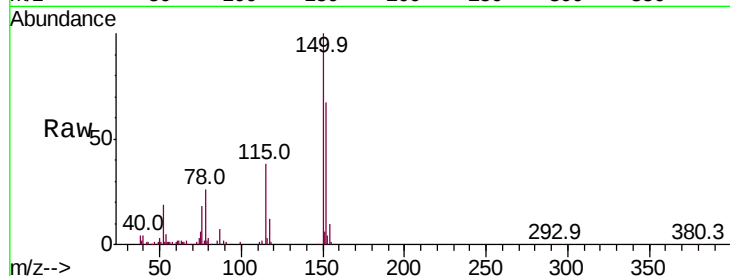


#1

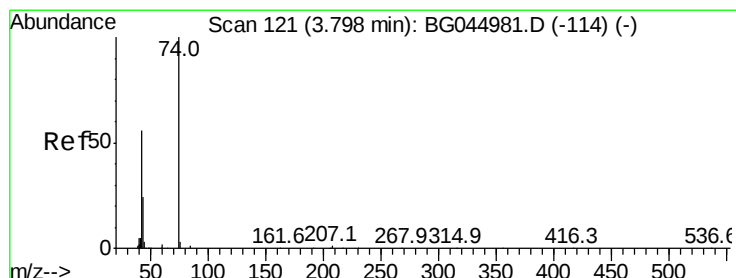
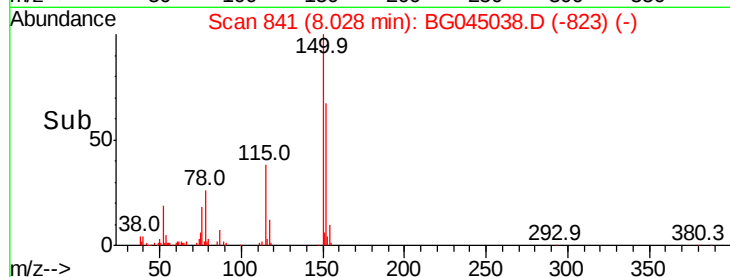
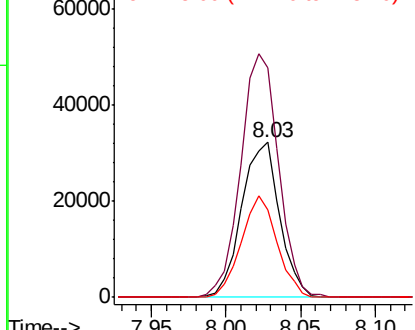
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BG045038.D
Acq: 17 Apr 2020 18:26

Instrument :
BNA_G
ClientSampleId :
WATER-RECLAIM-SYSTEM-SLUDG

Tot Ion:152 Resp: 56651
Ion Ratio Lower Upper
152 100
150 148.2 123.6 185.4
115 56.7 49.1 73.7



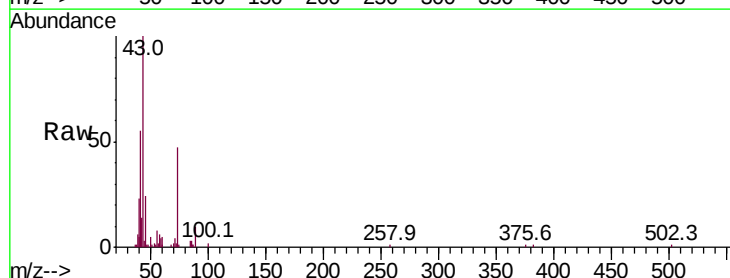
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



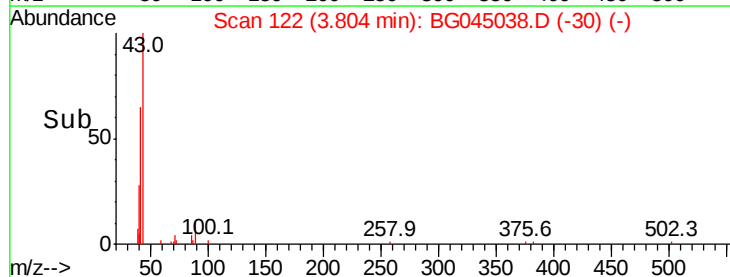
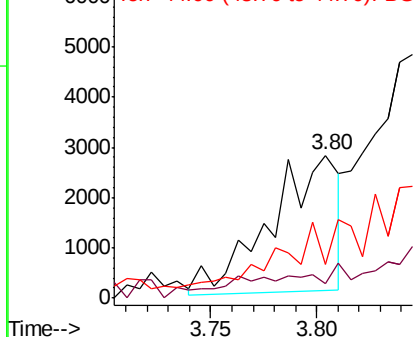
#4

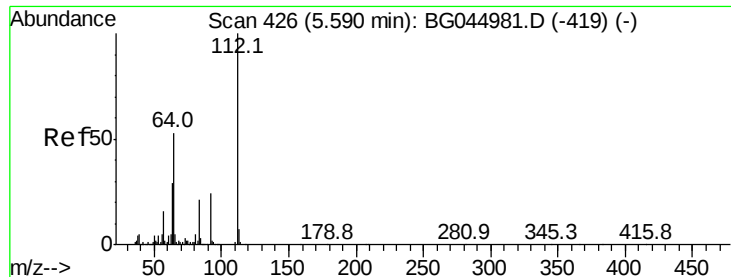
n-Nitrosodimethylamine
Concen: 4.197 ng
RT: 3.80 min Scan# 122
Delta R.T. 0.01 min
Lab File: BG045038.D
Acq: 17 Apr 2020 18:26

Tgt Ion: 42 Resp: 6037
Ion Ratio Lower Upper
42 100
74 10.5 143.0 214.6#
44 23.2 4.6 6.8#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 126.355 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

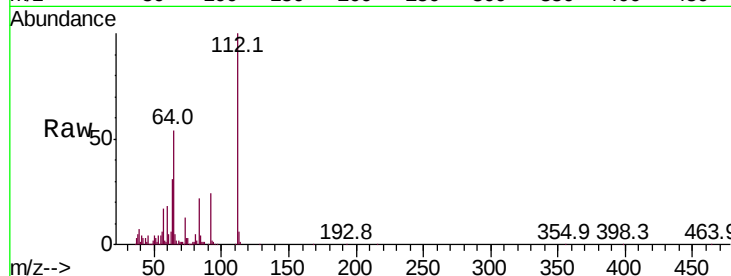
Tot Ion:112 Resp: 433578

Ion Ratio Lower Upper

112 100

64 53.7 42.4 63.6

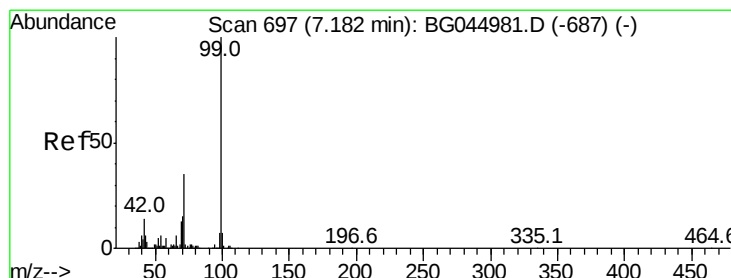
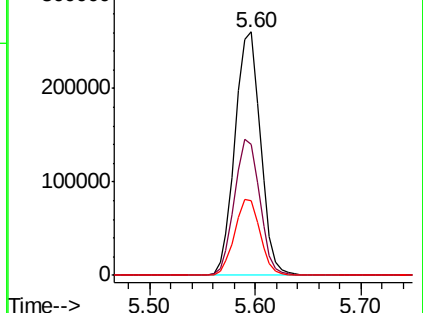
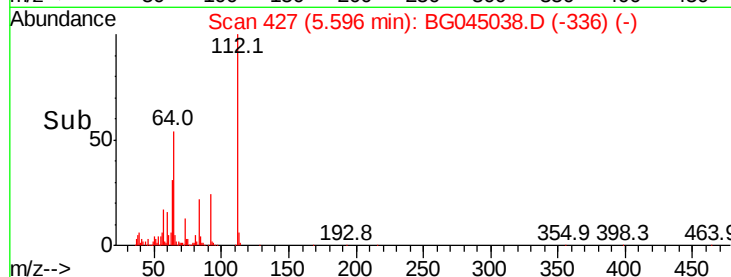
63 30.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 125.881 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

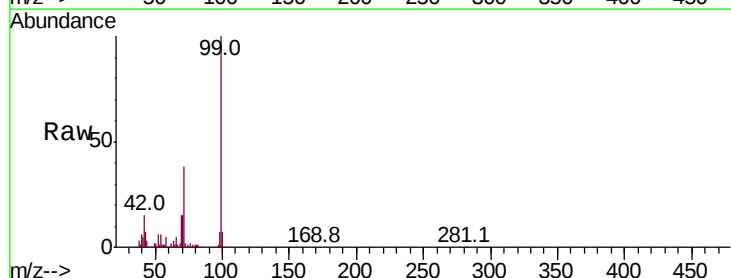
Tgt Ion: 99 Resp: 641772

Ion Ratio Lower Upper

99 100

42 15.0 11.3 16.9

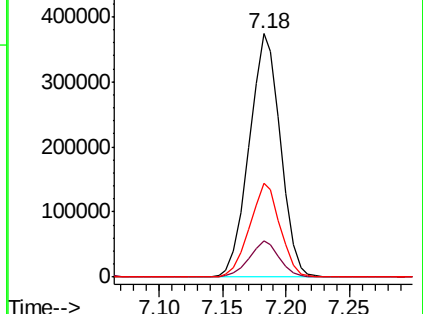
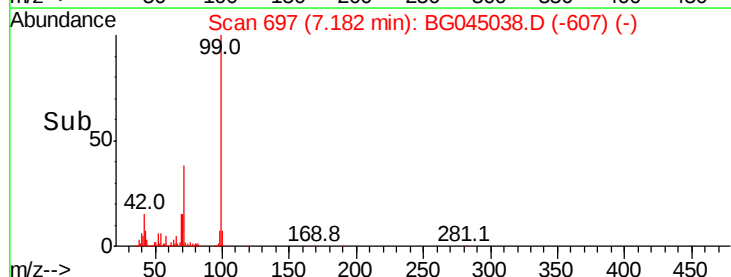
71 38.3 28.3 42.5

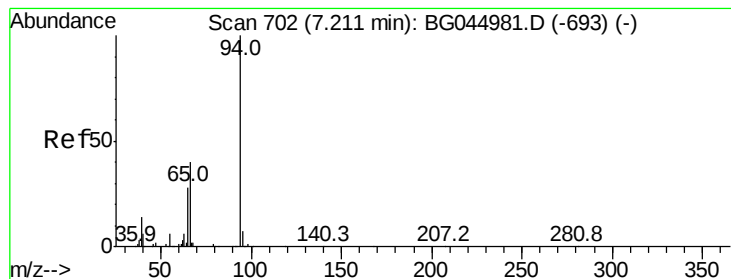


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 12.532 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

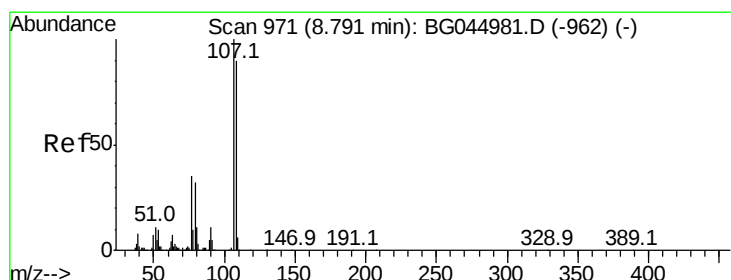
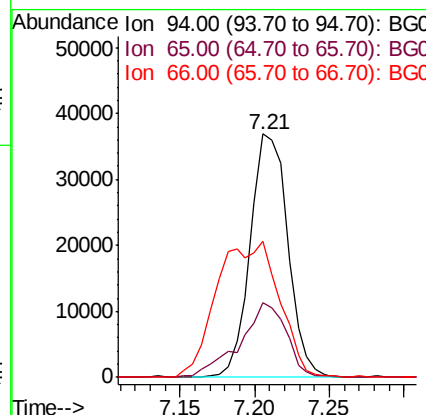
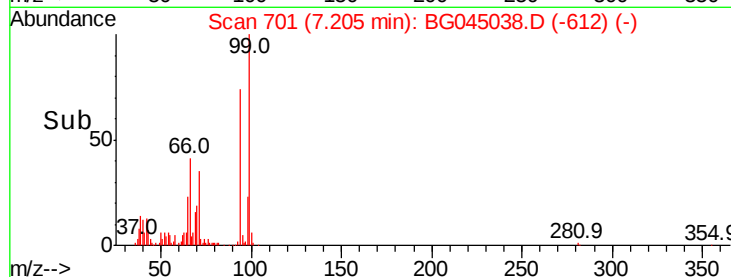
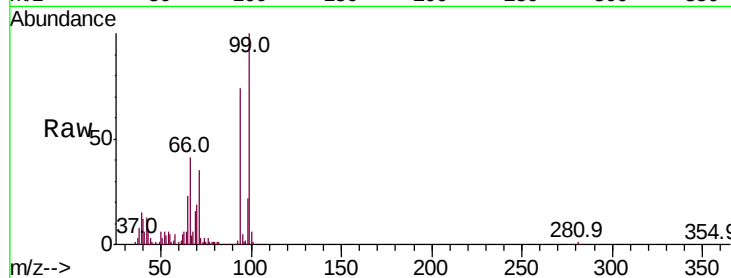
Tot Ion: 94 Resp: 63933

Ion Ratio Lower Upper

94 100

65 30.5 8.2 48.2

66 55.8 20.4 60.4



#20

3+4-Methylphenols

Concen: 45.640 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.01 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Tgt Ion:107 Resp: 251456

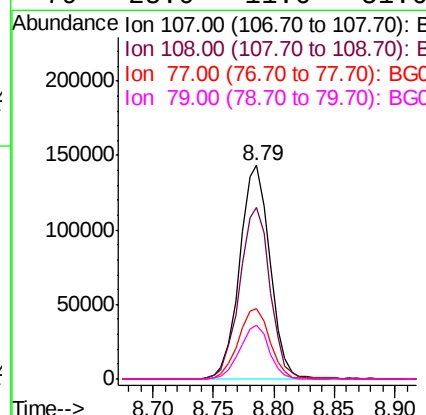
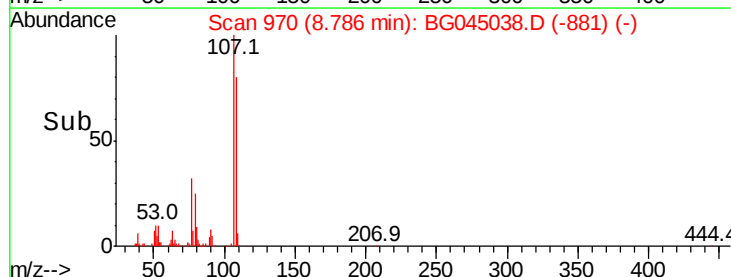
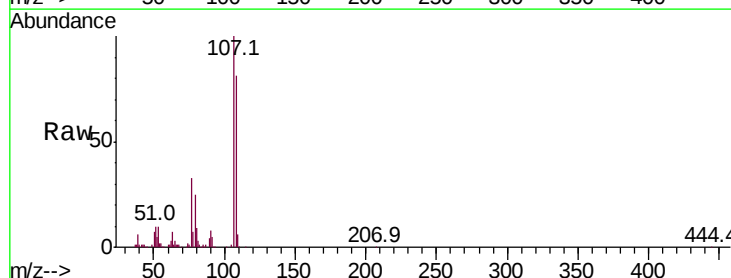
Ion Ratio Lower Upper

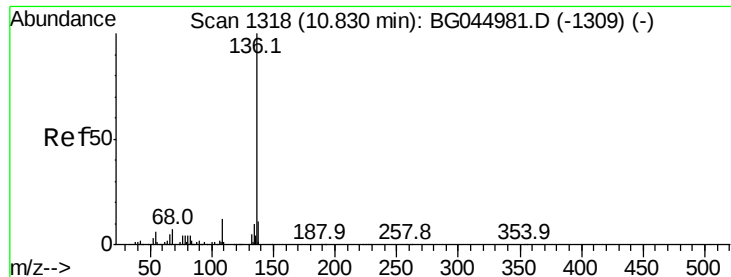
107 100

108 80.5 69.9 109.9

77 32.7 15.2 55.2

79 25.0 11.6 51.6

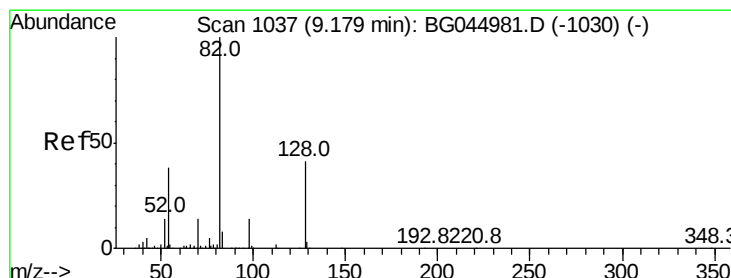
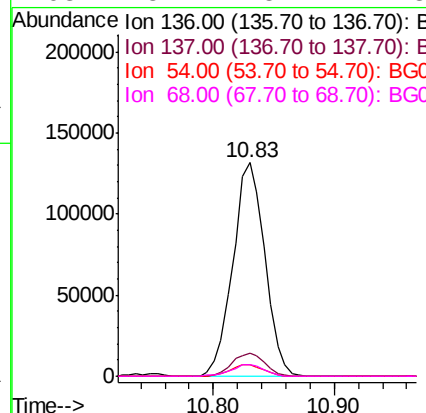
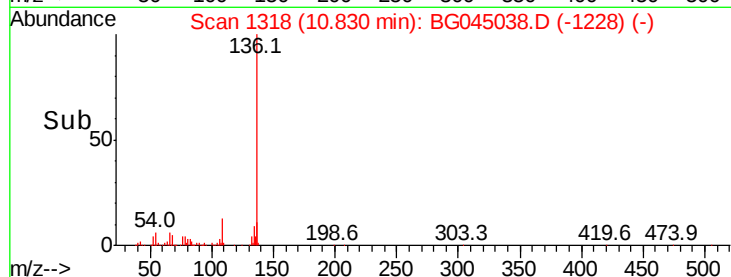
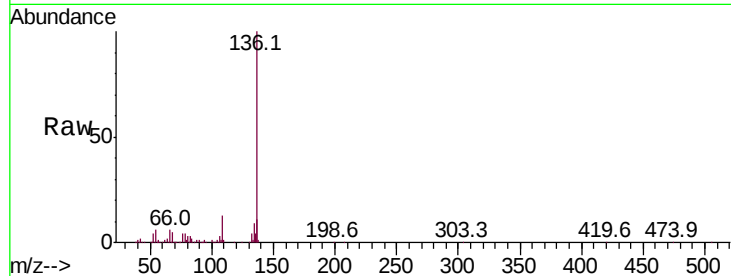




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045038.D
Acq: 17 Apr 2020 18:26

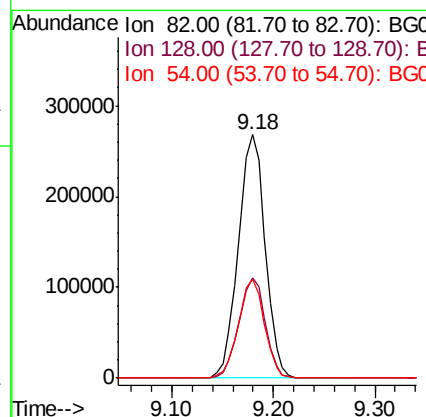
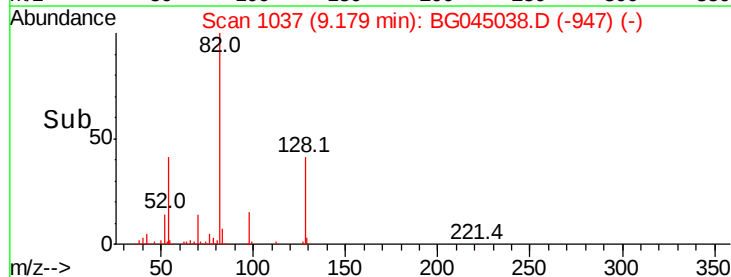
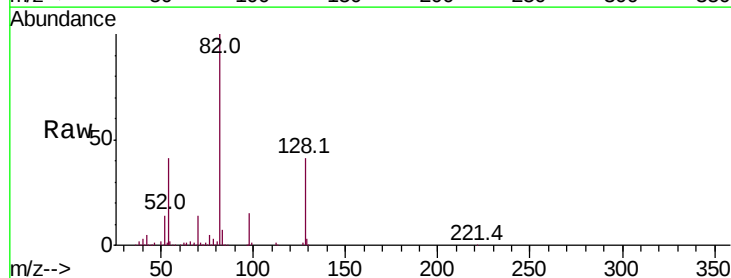
Instrument :
BNA_G
ClientSampleId :
WATER-RECLAIM-SYSTEM-SLUDG

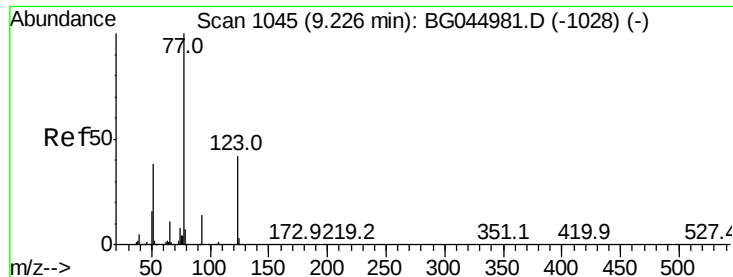
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	5.6	4.8	7.2
68	5.1	5.2	7.8



#23
Nitrobenzene-d5
Concen: 92.483 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045038.D
Acq: 17 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.0	49.4
54	40.8	30.4	45.6





#24

Nitrobenzene

Concen: 15.752 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.44 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

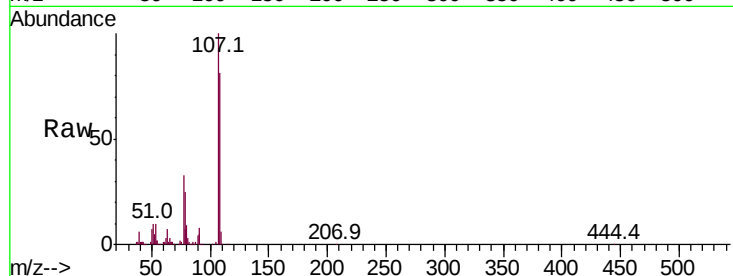
Tot Ion: 77 Resp: 85891

Ion Ratio Lower Upper

77 100

123 0.0 34.3 51.5#

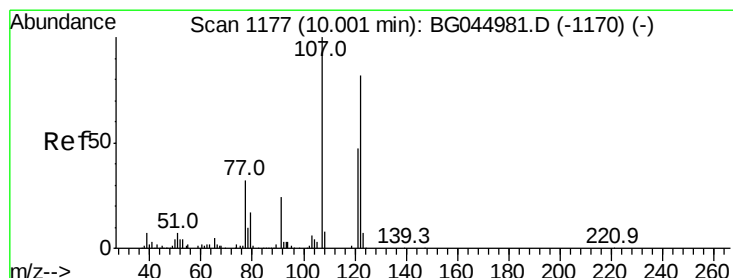
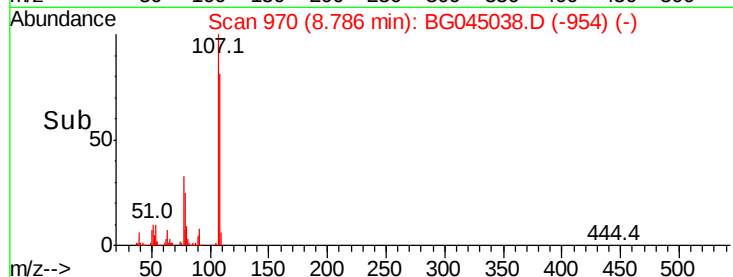
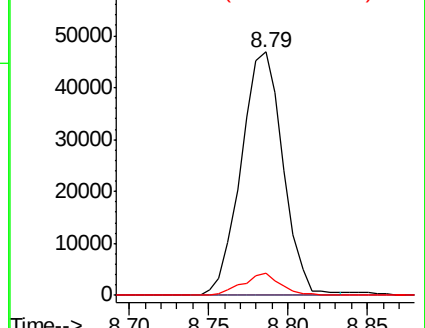
65 9.1 8.9 13.3



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#27

2,4-Dimethylphenol

Concen: 3.711 ng

RT: 10.07 min Scan# 1189

Delta R.T. 0.07 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

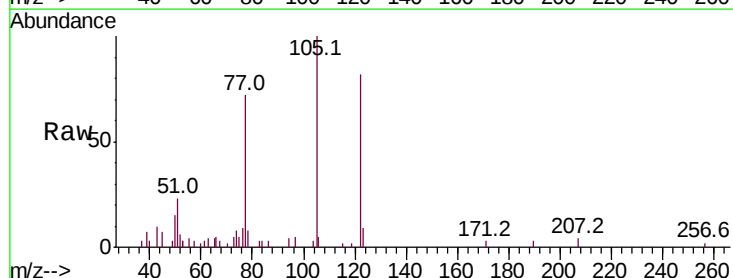
Tgt Ion: 122 Resp: 13830

Ion Ratio Lower Upper

122 100

107 0.0 96.8 145.2#

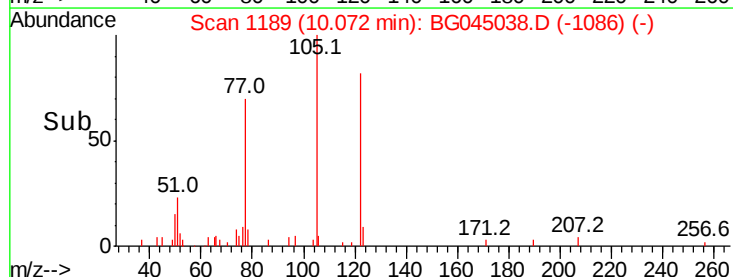
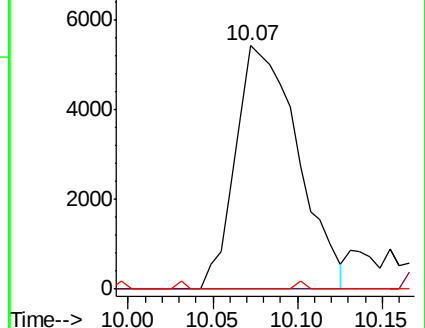
121 0.0 45.6 68.4#

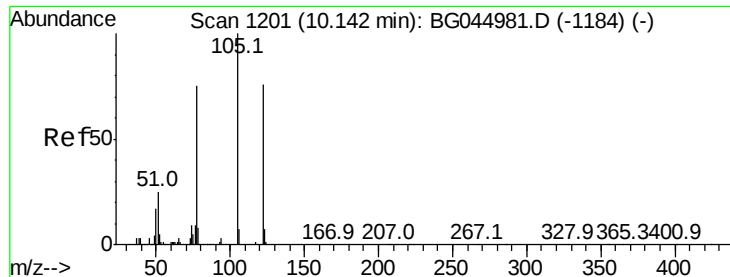


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Ion 121.00 (120.70 to 121.70): BGC





#32

Benzoic acid

Concen: 10.357 ng

RT: 10.07 min Scan# 1189

Delta R.T. -0.08 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

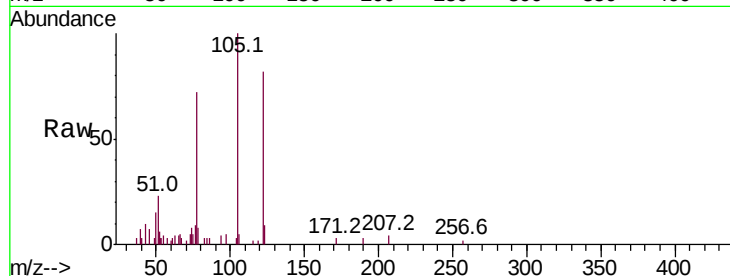
Tot Ion:122 Resp: 13830

Ion Ratio Lower Upper

122 100

105 122.0 108.4 148.4

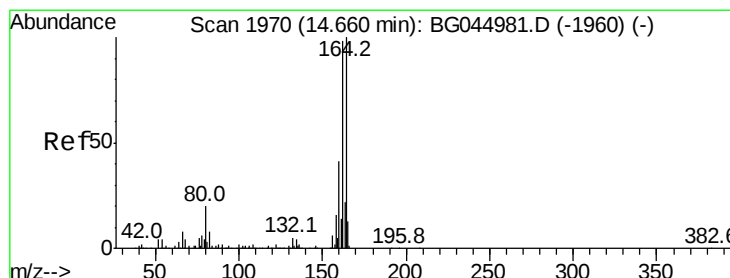
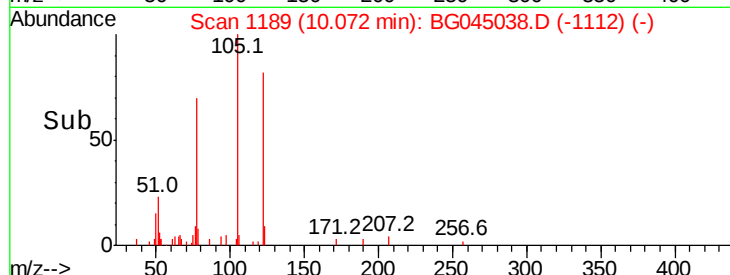
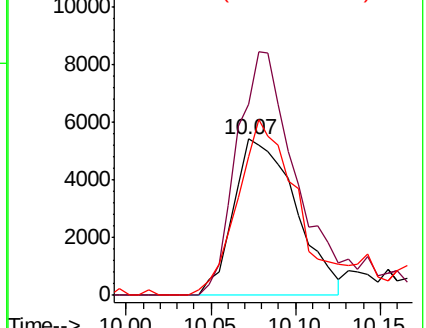
77 88.4 78.8 118.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

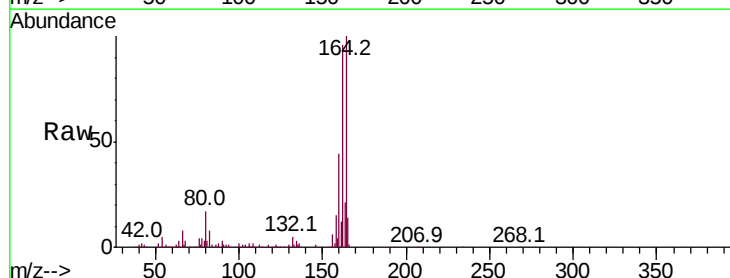
Tgt Ion:164 Resp: 202482

Ion Ratio Lower Upper

164 100

162 96.1 78.7 118.1

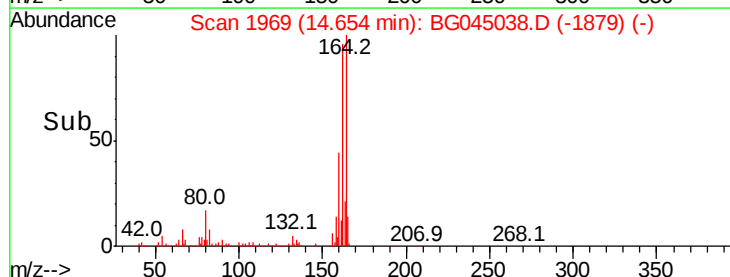
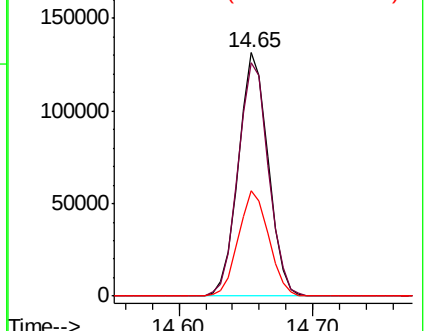
160 43.5 32.8 49.2

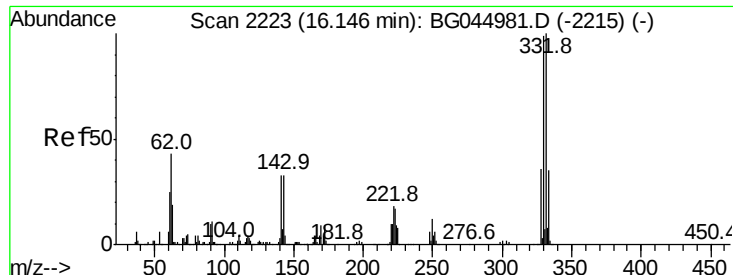


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

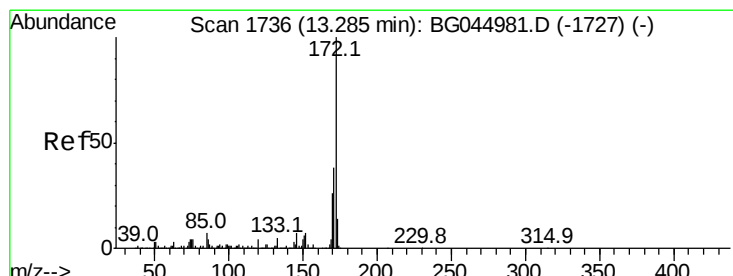
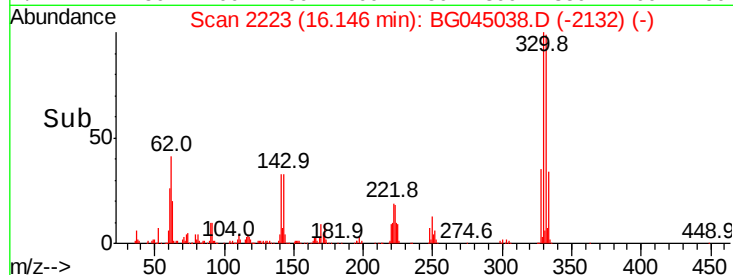
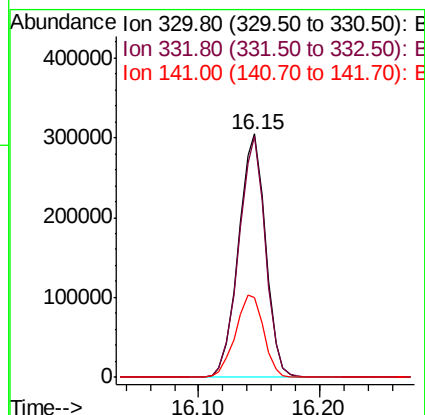
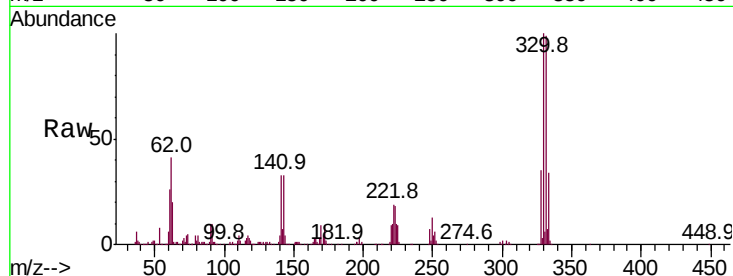




#42
 2,4,6-Tribromophenol
 Concen: 152.173 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045038.D
 Acq: 17 Apr 2020 18:26

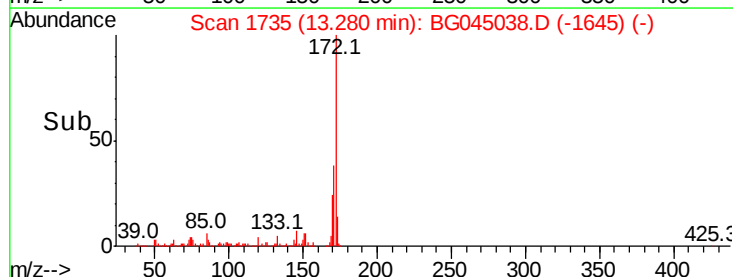
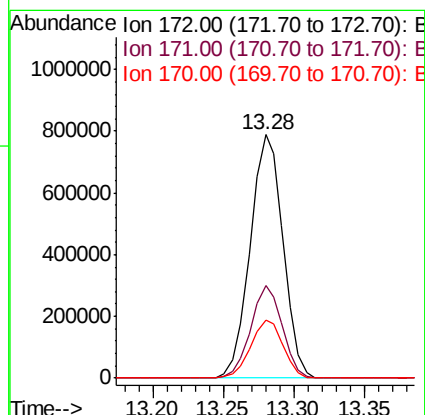
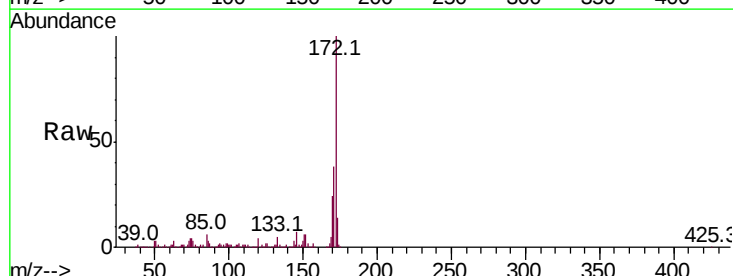
Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAIM-SYSTEM-SLUDG

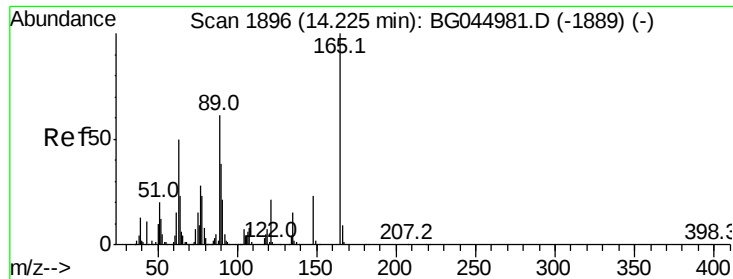
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	35.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 92.771 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045038.D
 Acq: 17 Apr 2020 18:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.6	46.0
170	24.0	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.305 ng

RT: 14.65 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

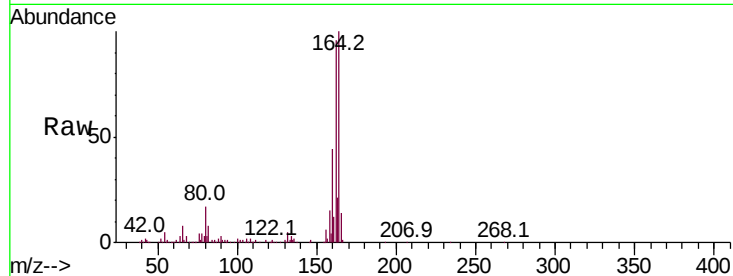
Tot Ion:165 Resp: 26937

Ion Ratio Lower Upper

165 100

63 1.7 40.4 60.6#

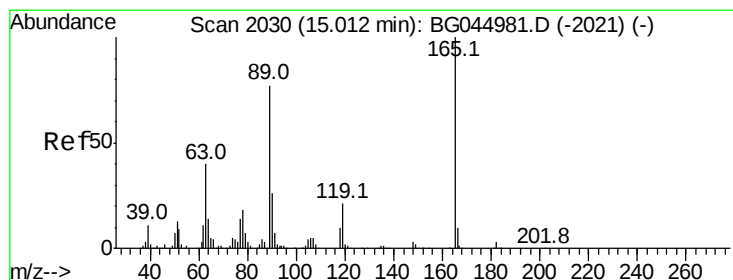
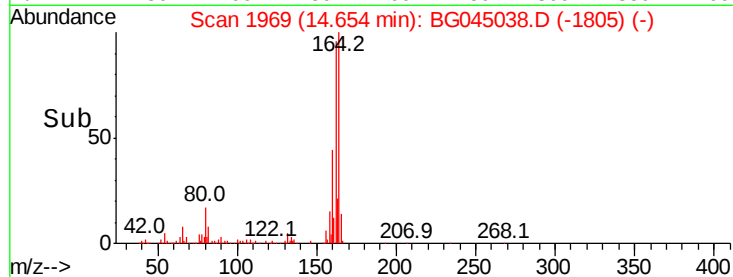
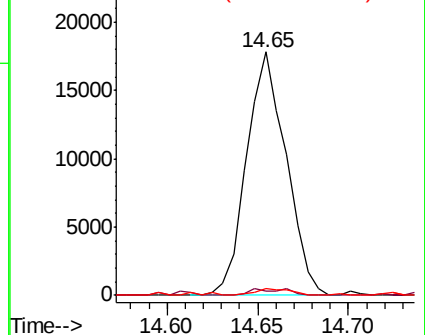
89 2.7 49.1 73.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 4.998 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Tgt Ion:165 Resp: 26937

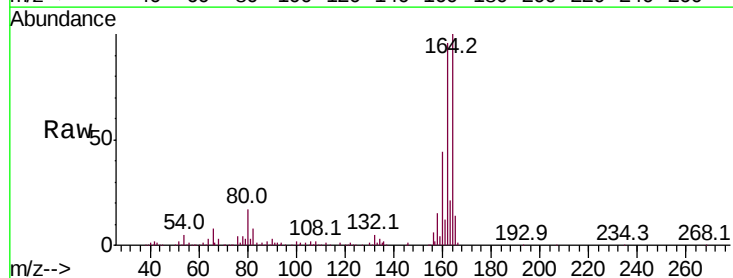
Ion Ratio Lower Upper

165 100

63 1.7 32.2 48.2#

89 2.7 61.7 92.5#

182 0.0 2.0 3.0#

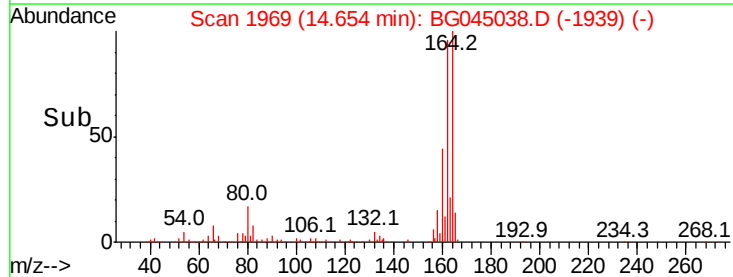
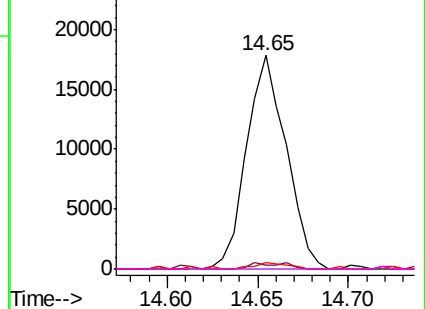


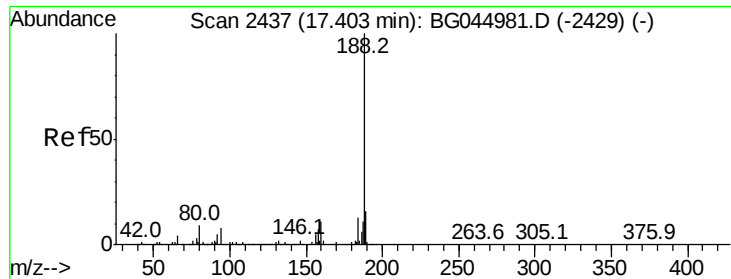
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

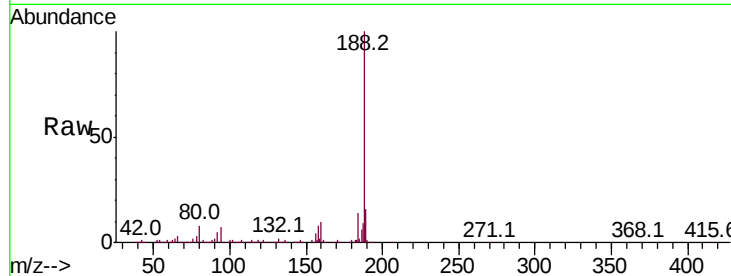
Tot Ion:188 Resp: 495626

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

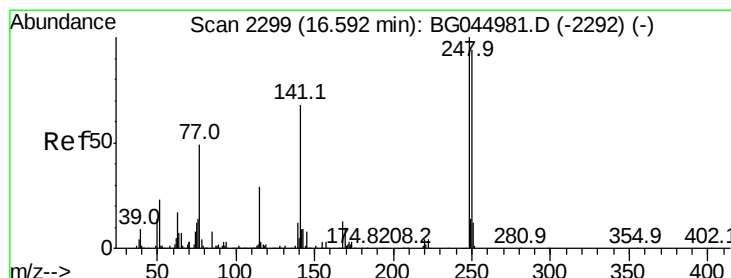
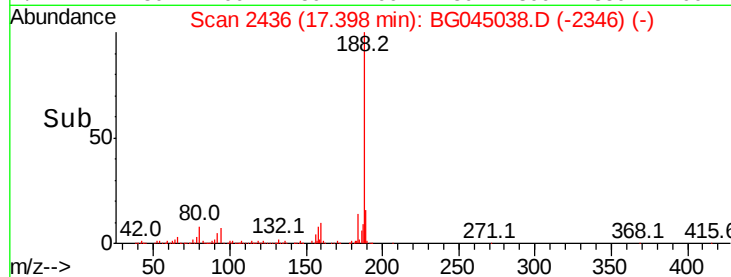
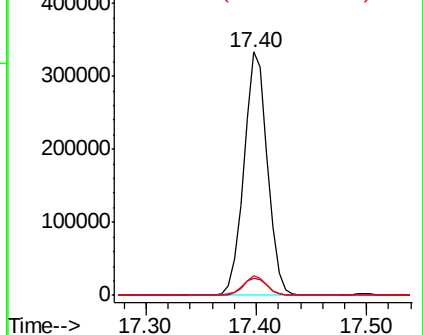
80 8.3 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 5.118 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

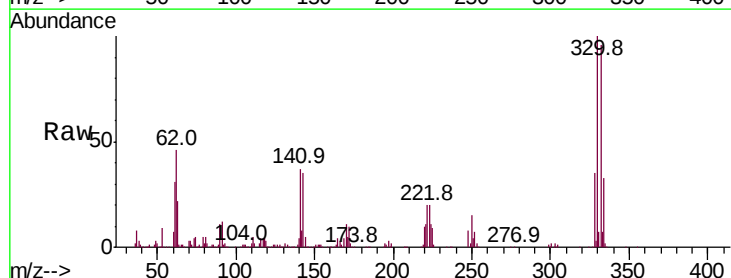
Tgt Ion:248 Resp: 32723

Ion Ratio Lower Upper

248 100

250 193.1 75.4 113.2#

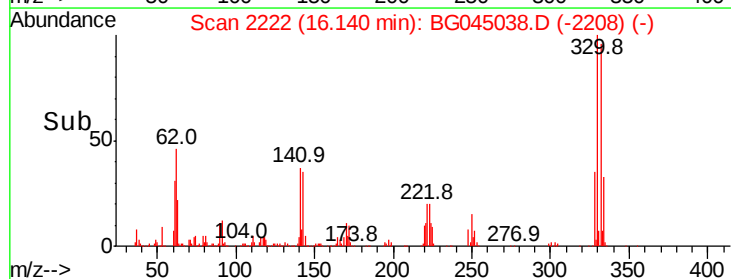
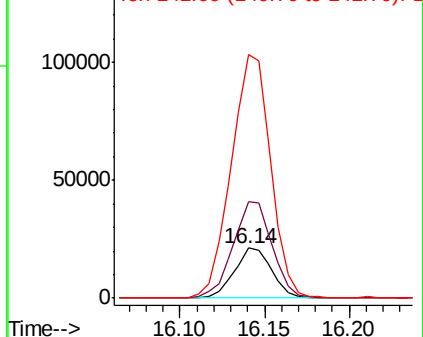
141 484.6 54.4 81.6#

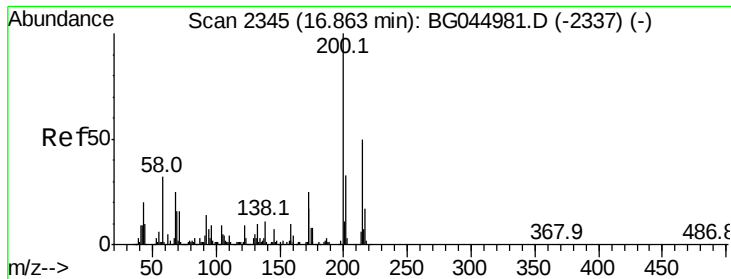


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

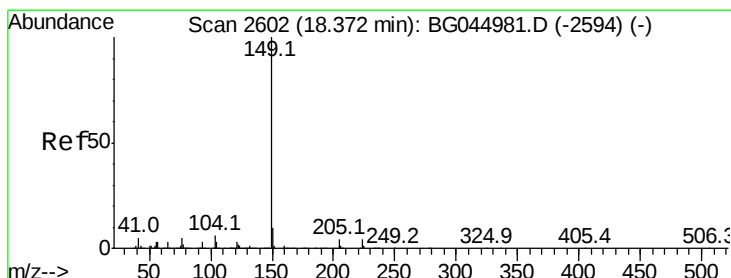
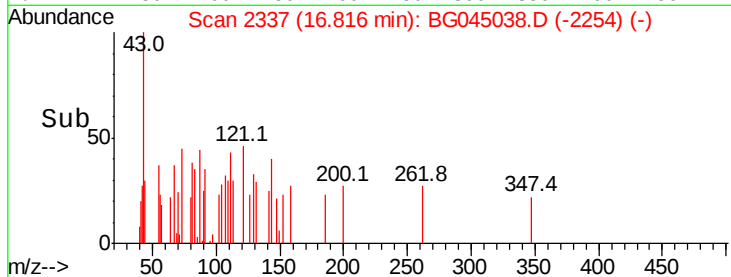
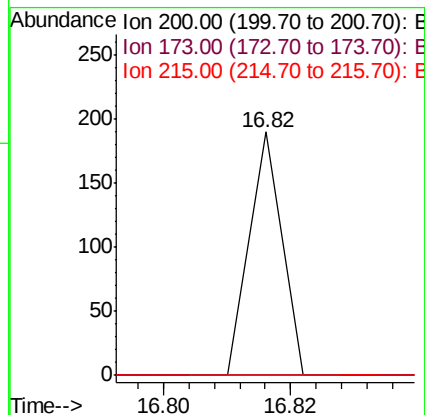
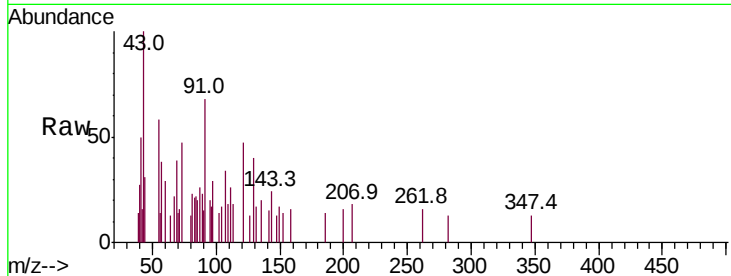




#69
Atrazine
Concen: Below Cal
RT: 16.82 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BG045038.D
Acq: 17 Apr 2020 18:26

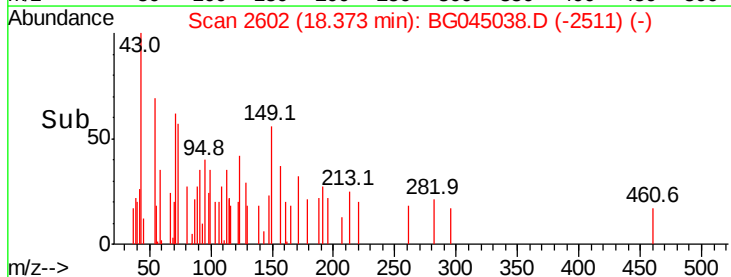
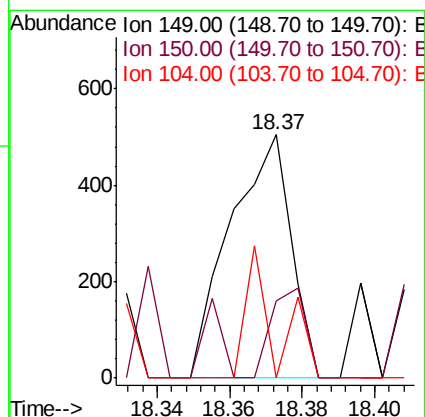
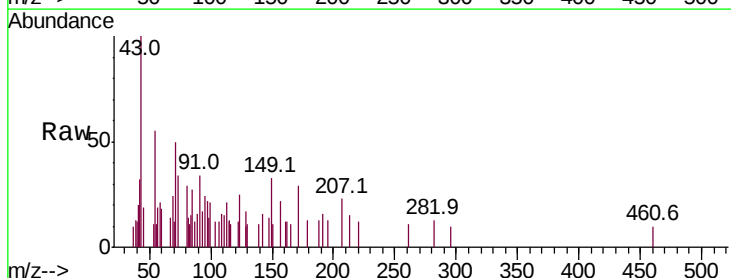
Instrument :
BNA_G
ClientSampleId :
WATER-RECLAIM-SYSTEM-SLUDG

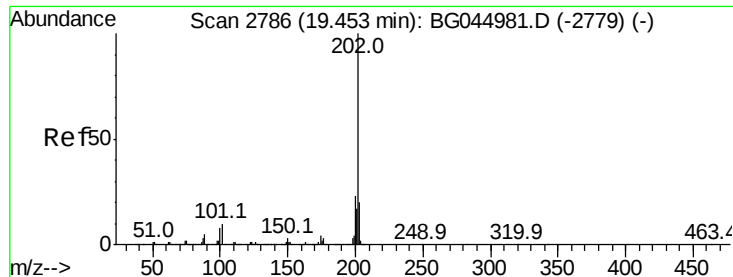
Tot Ion:200 Resp: 67
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#



#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BG045038.D
Acq: 17 Apr 2020 18:26

Tgt Ion:149 Resp: 587
Ion Ratio Lower Upper
149 100
150 31.9 8.2 12.2#
104 0.0 4.8 7.2#





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

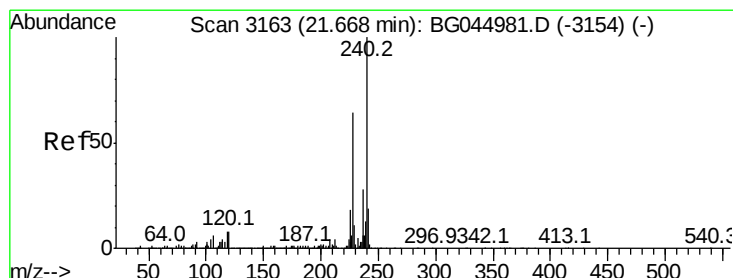
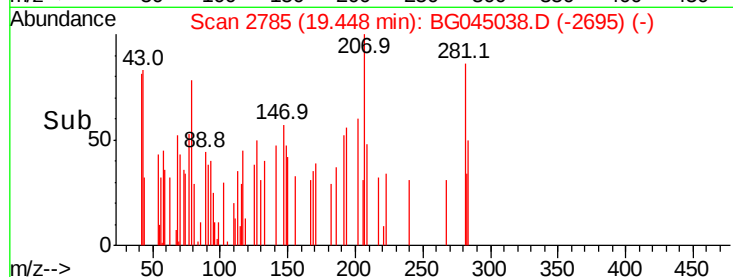
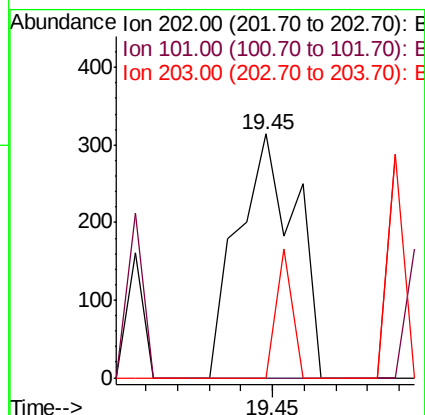
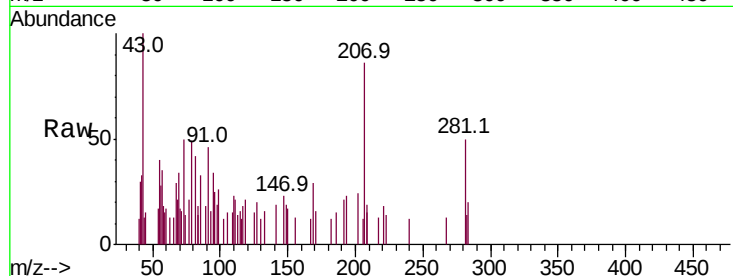
Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

Tot Ion:	202	Resp:	397
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

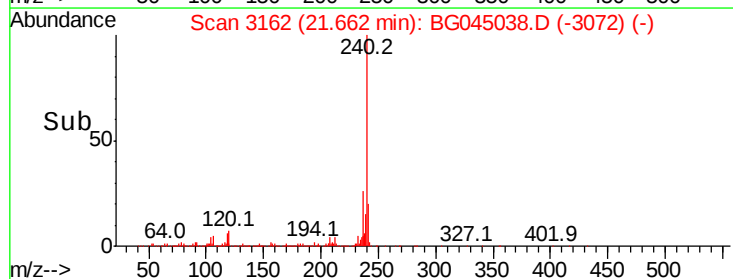
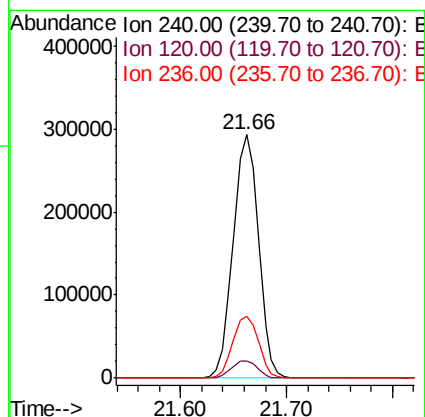
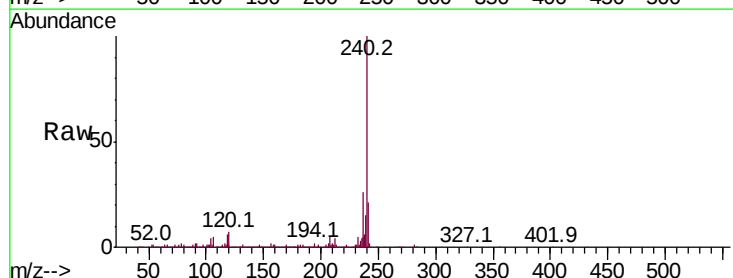
RT: 21.66 min Scan# 3162

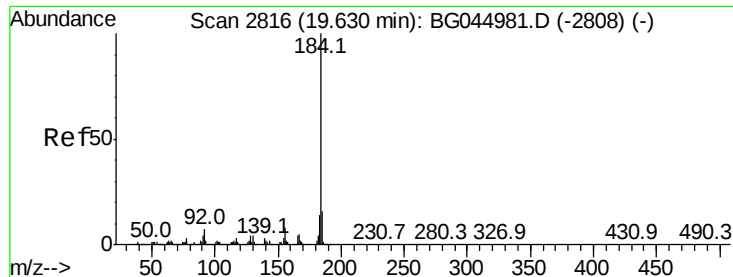
Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Tgt Ion:	240	Resp:	484188
Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.6	10.0
236	25.6	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

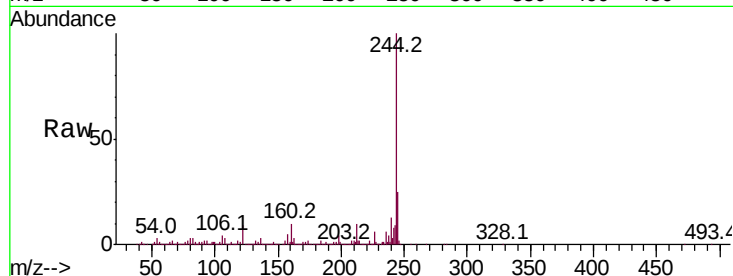
Tot Ion:184 Resp: 45218

Ion Ratio Lower Upper

184 100

185 16.9 12.6 19.0

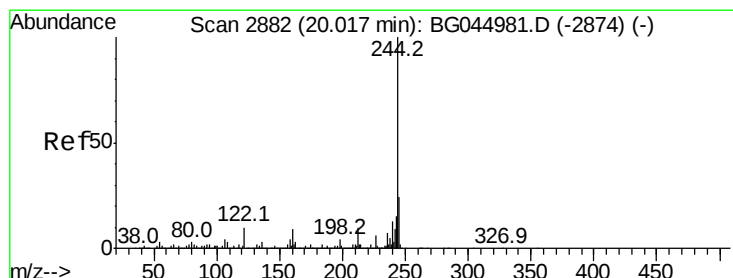
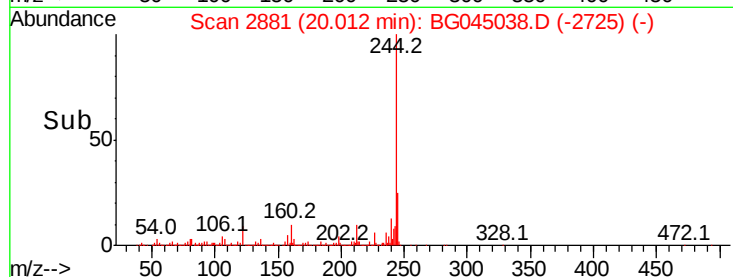
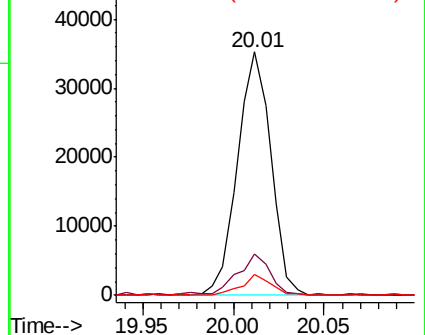
183 8.7 11.3 16.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 100.598 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

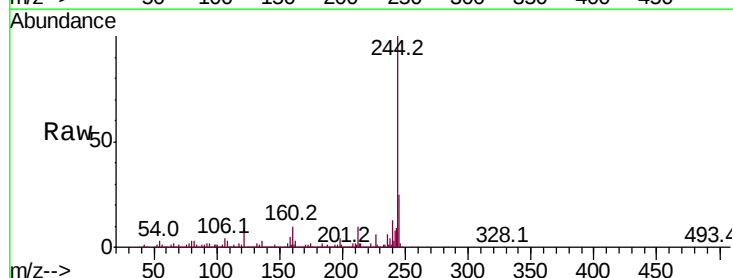
Tgt Ion:244 Resp: 2234774

Ion Ratio Lower Upper

244 100

212 10.5 7.9 11.9

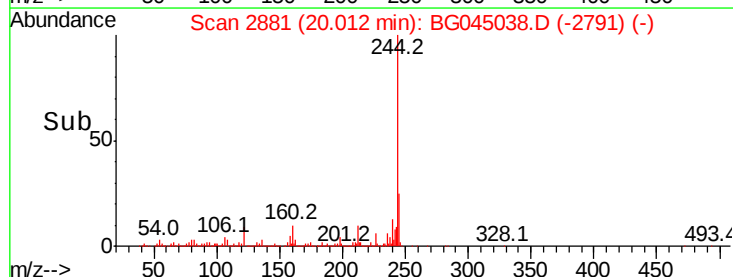
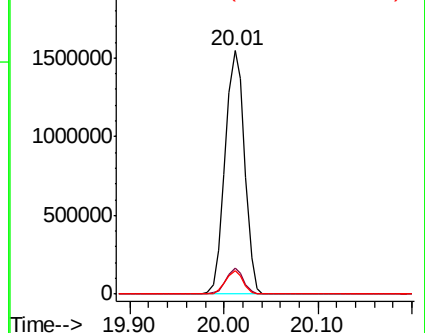
122 9.4 7.7 11.5

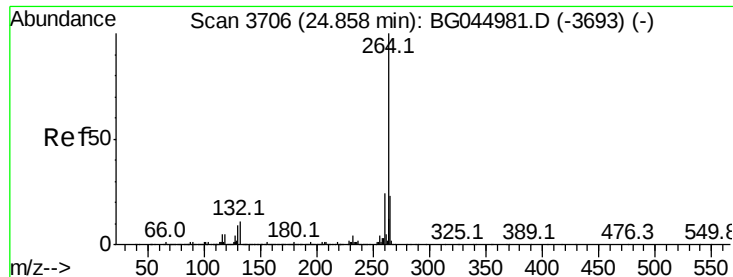


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3705

Delta R.T. -0.00 min

Lab File: BG045038.D

Acq: 17 Apr 2020 18:26

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SLUDG

Tot Ion:264 Resp: 513350

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 19.0 28.4

