

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG045003.D
 Acq On : 16 Apr 2020 4:54
 Operator : CG/JU
 Sample : L2278-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAMATION-PIT

Quant Time: Apr 16 05:46:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	65999	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	283001	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	219786	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	551898	20.00	ng	0.00
76) Chrysene-d12	21.67	240	527103	20.00	ng	0.00
87) Perylene-d12	24.85	264	585420	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	329168	82.34	ng	0.00
7) Phenol-d6	7.18	99	495166	83.37	ng	0.00
23) Nitrobenzene-d5	9.18	82	437008	70.46	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	388684	114.47	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1103308	73.61	ng	0.00
79) Terphenyl-d14	20.01	244	2088333	86.35	ng	0.00

Target Compounds

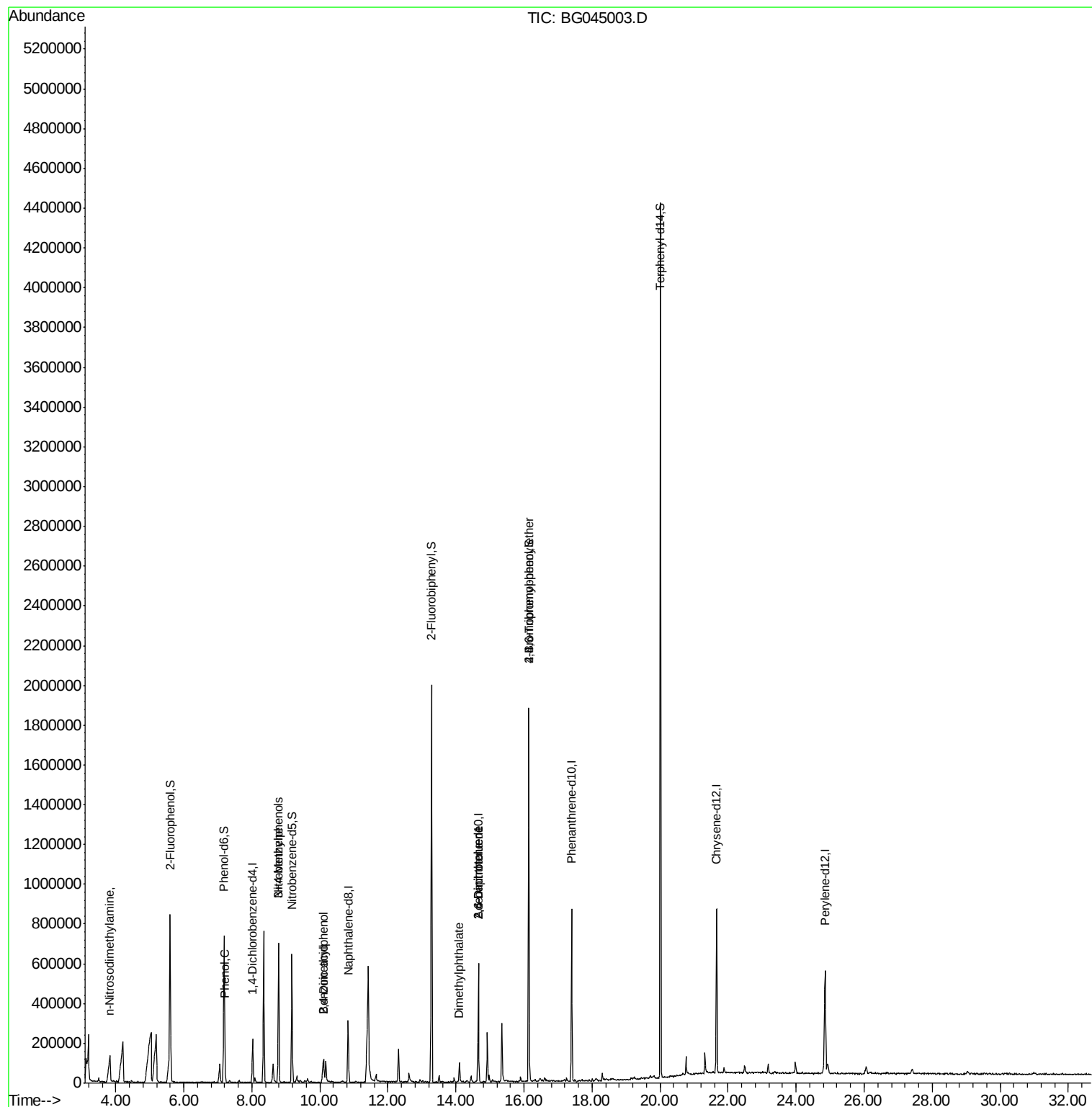
						Qvalue
4) n-Nitrosodimethylamine	3.81	42	12129	7.238	ng	# 1
9) Benzaldehyde	7.14	77	109	Below	Cal	# 39
10) Phenol	7.21	94	44395	7.469	ng	98
20) 3+4-Methylphenols	8.78	107	335544	52.276	ng	90
24) Nitrobenzene	8.78	77	112168	17.643	ng	# 45
27) 2,4-Dimethylphenol	10.10	122	76525	17.611	ng	# 2
32) Benzoic acid	10.10	122	76525	25.280	ng	94
50) Dimethylphthalate	14.11	163	66373	3.709	ng	97
51) 2,6-Dinitrotoluene	14.66	165	29176	7.289	ng	# 23
57) 2,4-Dinitrotoluene	14.66	165	29176	4.988	ng	# 21
67) 4-Bromophenyl-phenylether	16.14	248	25655	3.603	ng	# 1
69) Atrazine	16.95	200	116	Below	Cal	# 35
74) Di-n-butylphthalate	18.36	149	1274	Below	Cal	# 74
75) Fluoranthene	19.46	202	171	Below	Cal	62
77) Benzidine	20.01	184	38354	Below	Cal	# 90

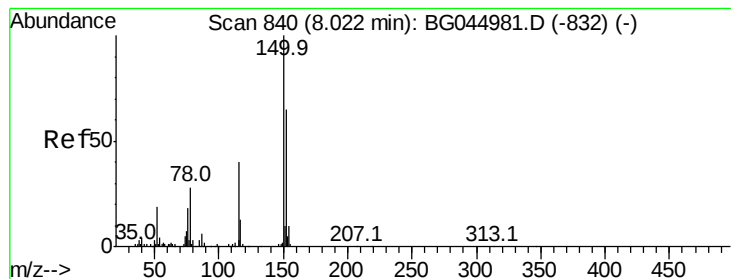
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAMATION-PIT

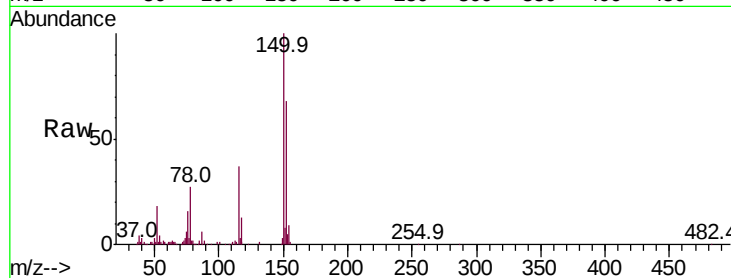
Tot Ion:152 Resp: 65999

Ion Ratio Lower Upper

152 100

150 147.3 123.6 185.4

115 54.0 49.1 73.7

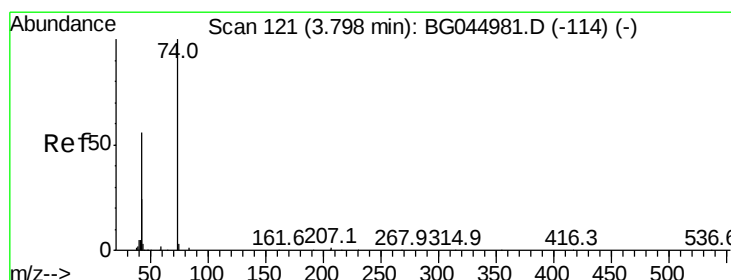
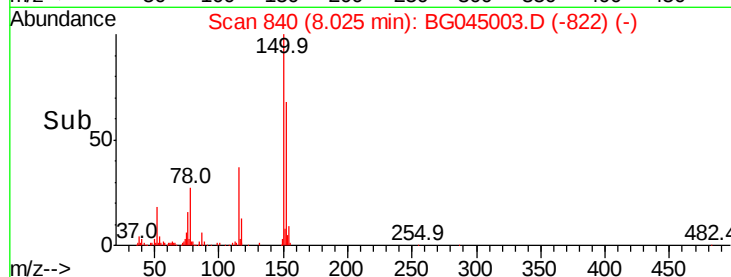
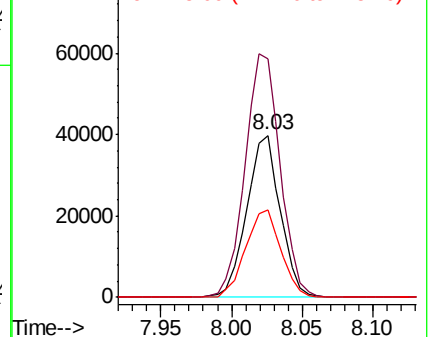


Abundance

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: 7.238 ng

RT: 3.81 min Scan# 122

Delta R.T. 0.01 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

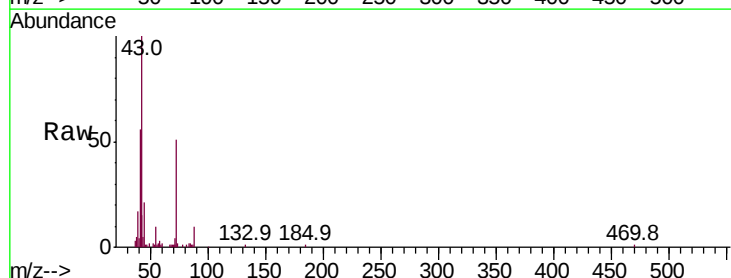
Tgt Ion: 42 Resp: 12129

Ion Ratio Lower Upper

42 100

74 11.9 143.0 214.6#

44 31.4 4.6 6.8#

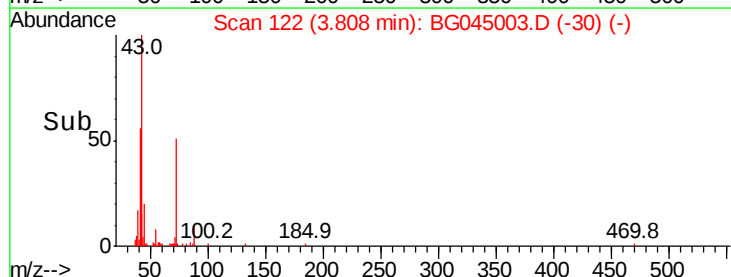
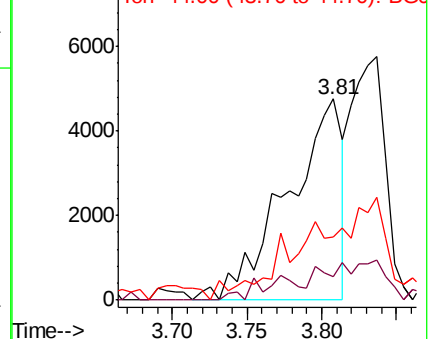


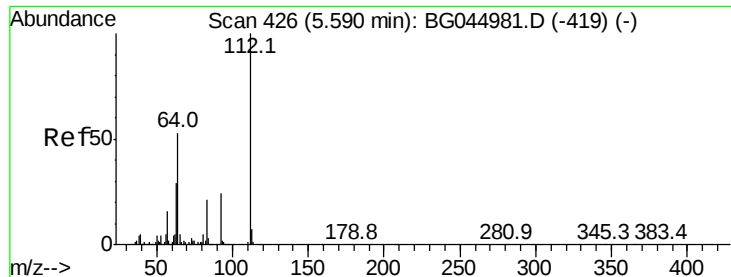
Abundance

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: 82.340 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAMATION-PIT

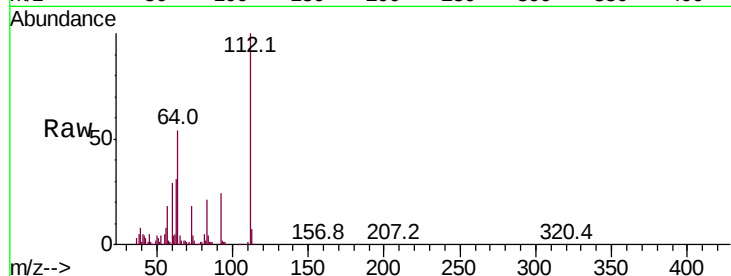
Tot Ion:112 Resp: 329168

Ion Ratio Lower Upper

112 100

64 54.5 42.4 63.6

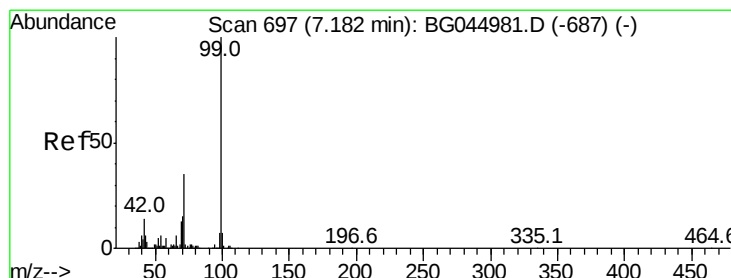
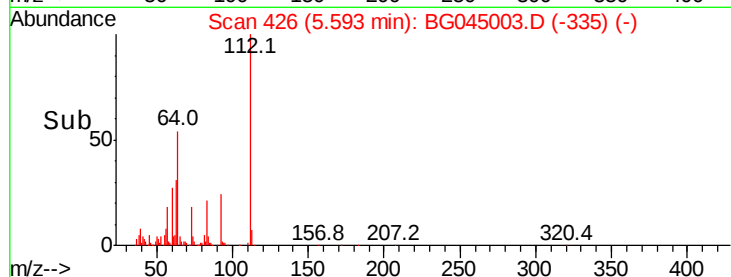
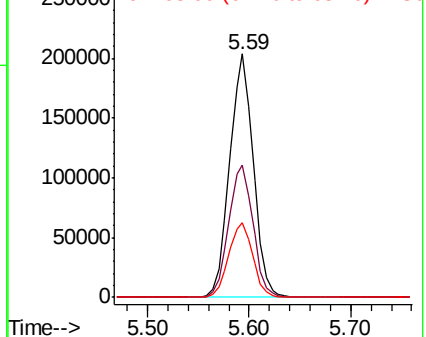
63 30.9 23.1 34.7



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: 83.368 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

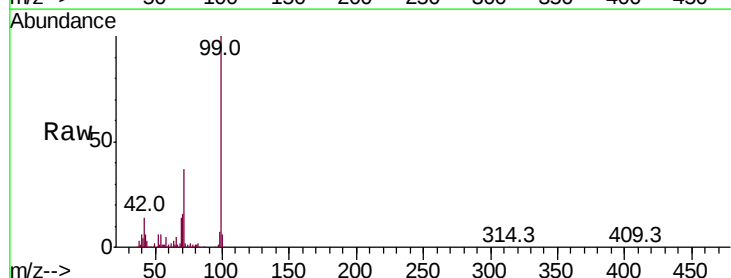
Tgt Ion: 99 Resp: 495166

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

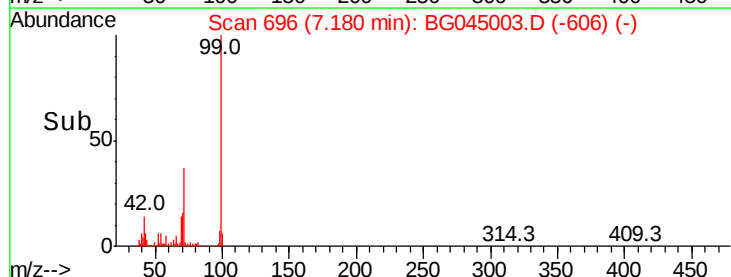
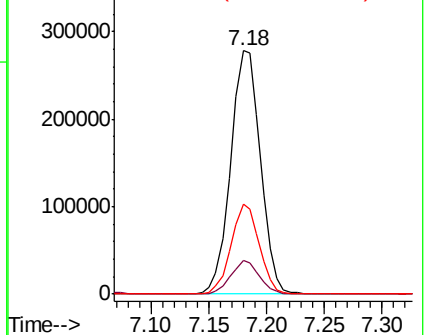
71 36.9 28.3 42.5

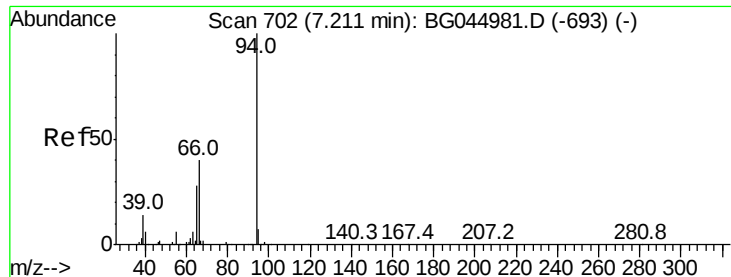


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 7.469 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAMATION-PIT

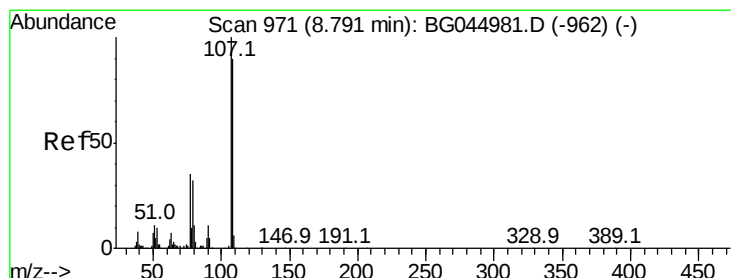
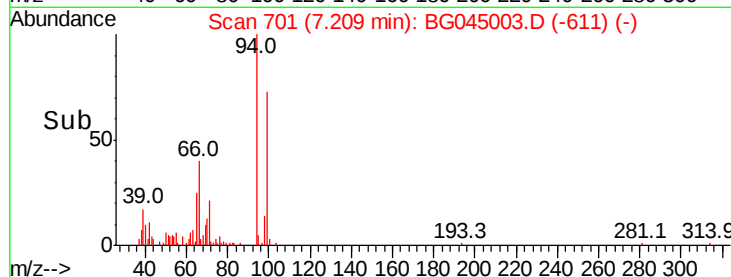
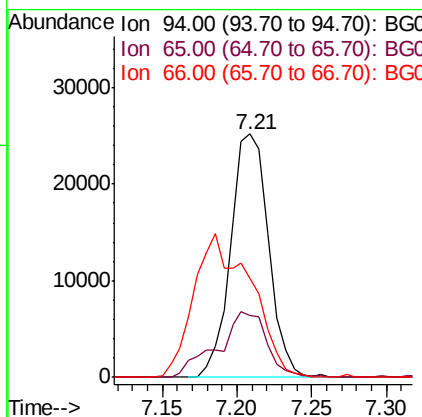
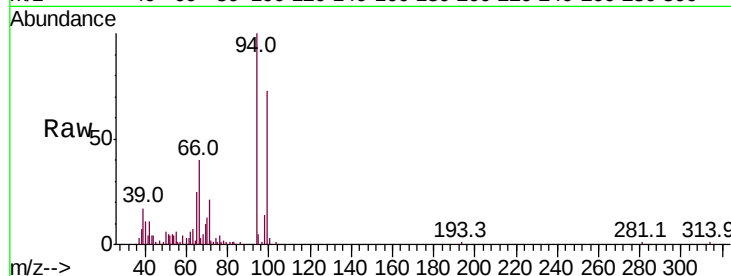
Tot Ion: 94 Resp: 44395

Ion Ratio Lower Upper

94 100

65 25.2 8.2 48.2

66 40.5 20.4 60.4



#20

3+4-Methylphenols

Concen: 52.276 ng

RT: 8.78 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Tgt Ion:107 Resp: 335544

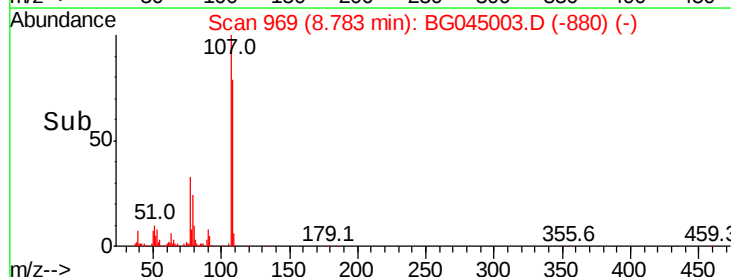
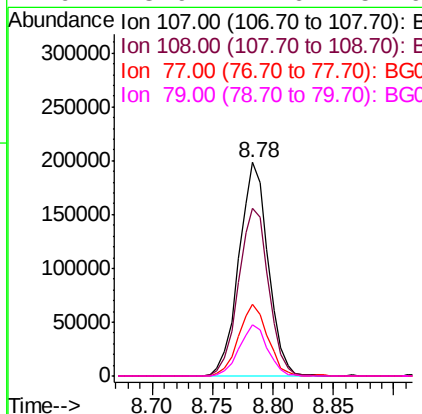
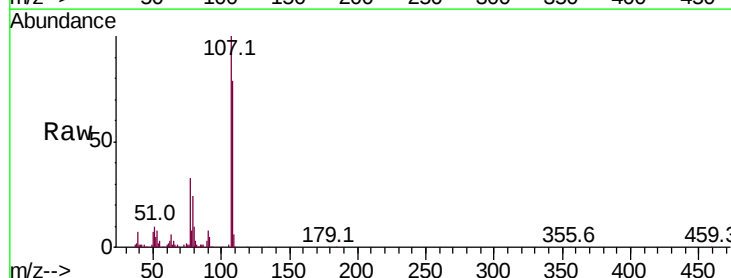
Ion Ratio Lower Upper

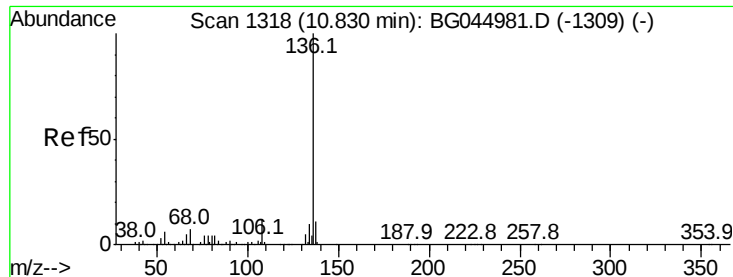
107 100

108 78.5 69.9 109.9

77 33.3 15.2 55.2

79 23.9 11.6 51.6

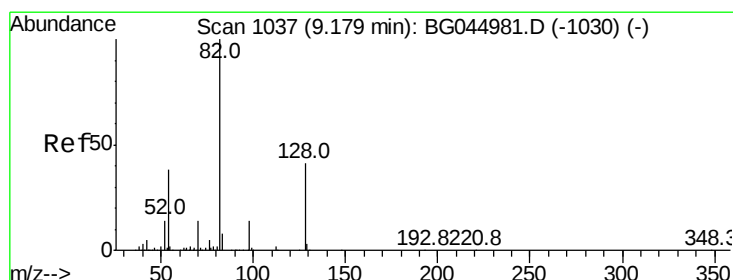
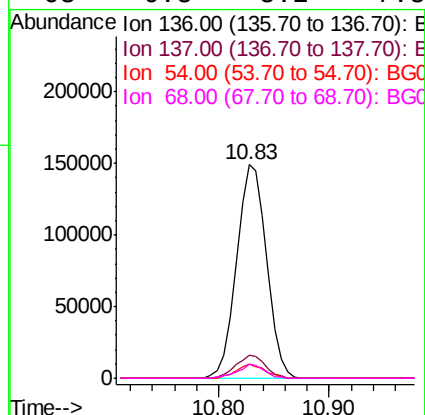
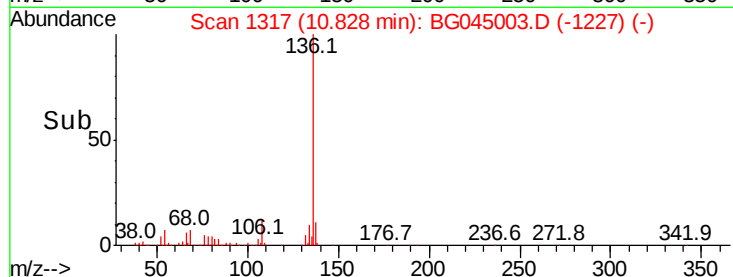
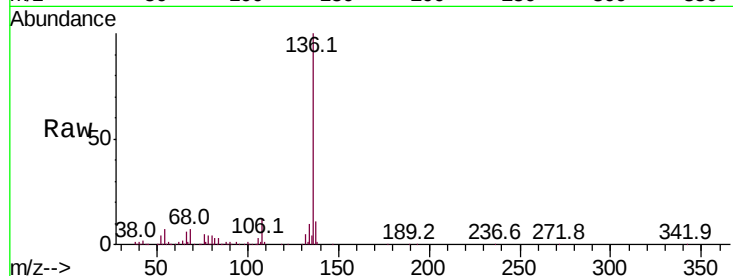




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG045003.D
Acq: 16 Apr 2020 4:54

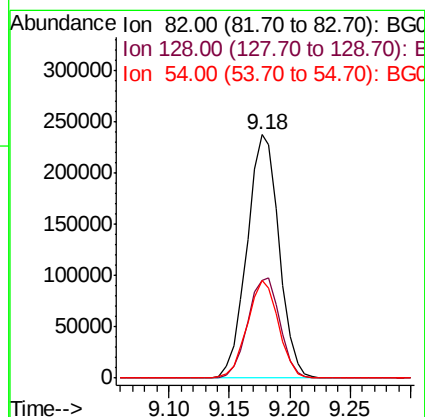
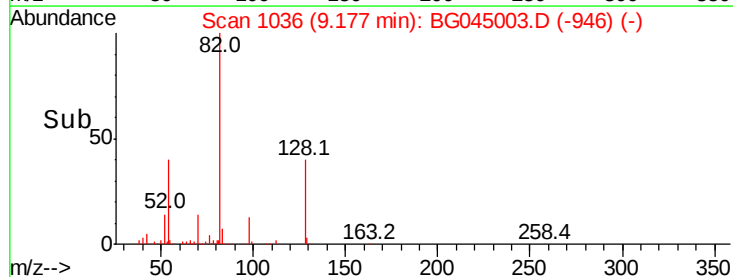
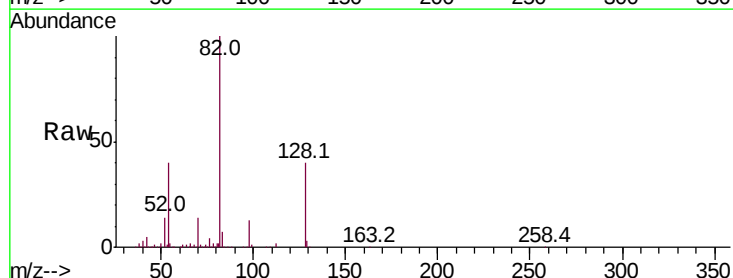
Instrument :
BNA_G
ClientSampleId :
WATER-RECLAMATION-PIT

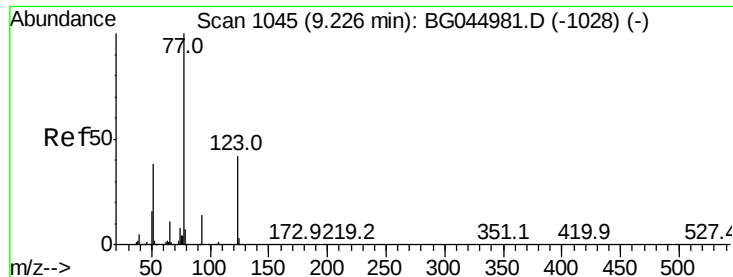
Tot Ion:136	Resp: 283001
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 6.6	4.8 7.2
68 6.8	5.2 7.8



#23
Nitrobenzene-d5
Concen: 70.460 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045003.D
Acq: 16 Apr 2020 4:54

Tgt Ion: 82	Resp: 437008
Ion Ratio	Lower Upper
82 100	
128 40.1	33.0 49.4
54 40.0	30.4 45.6





#24

Nitrobenzene

Concen: 17.643 ng

RT: 8.78 min Scan# 969

Delta R.T. -0.44 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAMATION-PIT

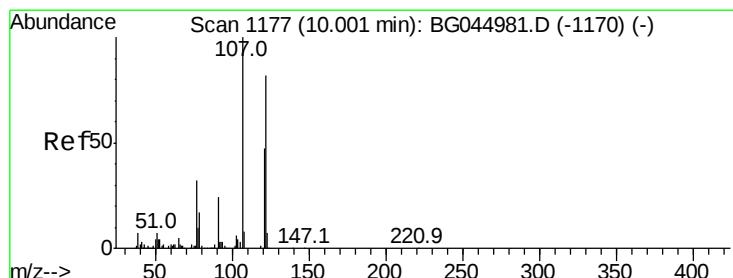
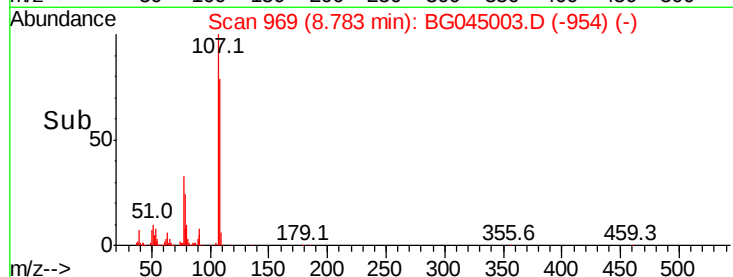
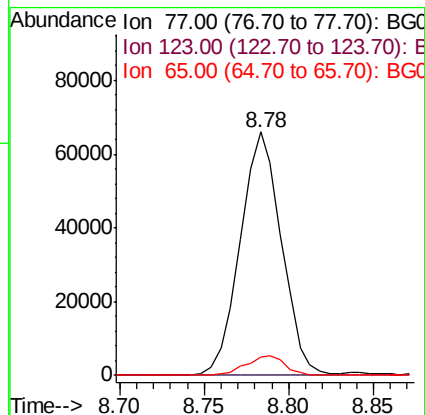
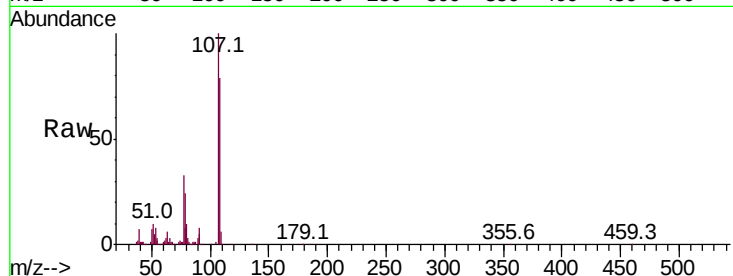
Tot Ion: 77 Resp: 112168

Ion Ratio Lower Upper

77 100

123 0.0 34.3 51.5#

65 7.6 8.9 13.3#



#27

2,4-Dimethylphenol

Concen: 17.611 ng

RT: 10.10 min Scan# 1194

Delta R.T. 0.10 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

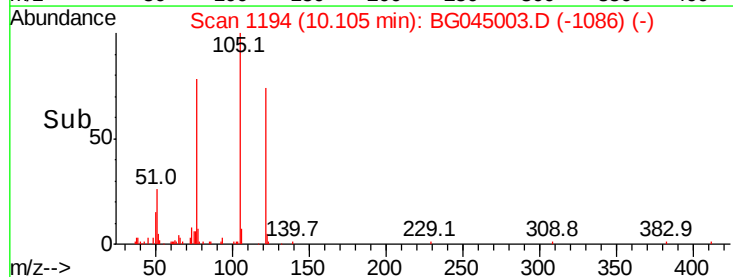
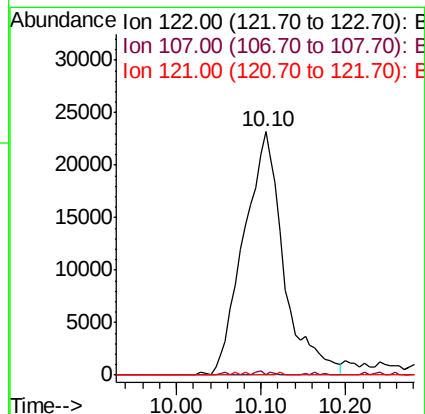
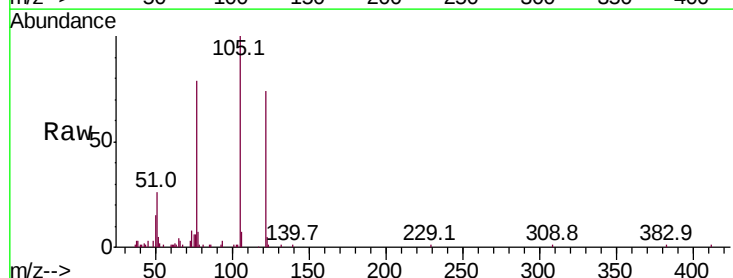
Tgt Ion: 122 Resp: 76525

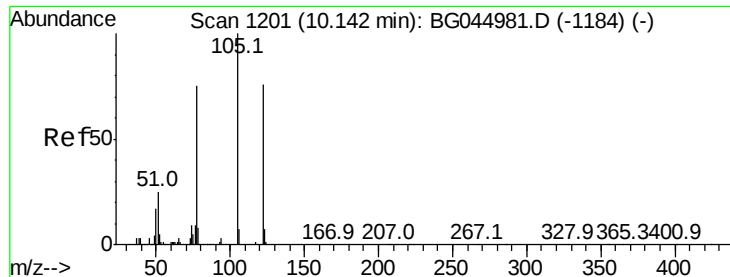
Ion Ratio Lower Upper

122 100

107 0.0 96.8 145.2#

121 0.0 45.6 68.4#





#32

Benzoic acid

Concen: 25.280 ng

RT: 10.10 min Scan# 1194

Delta R.T. -0.04 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Instrument :

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ClientSampleId :

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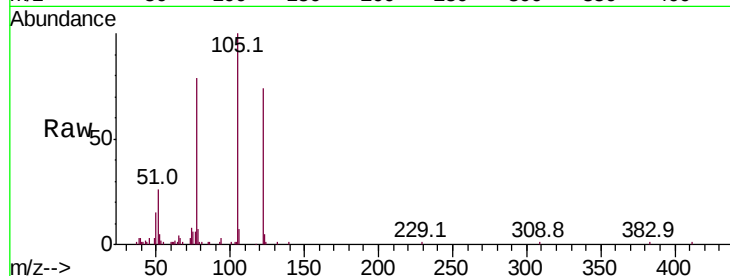
Tot Ion:122 Resp: 76525

Ion Ratio Lower Upper

122 100

105 134.6 108.4 148.4

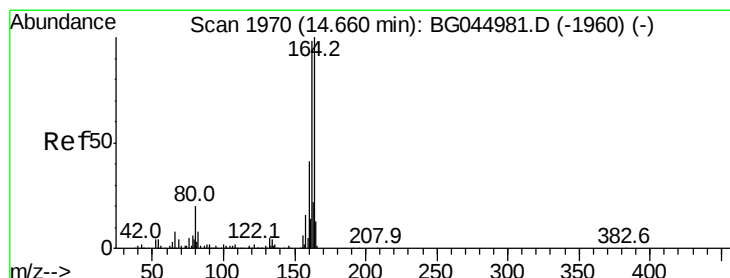
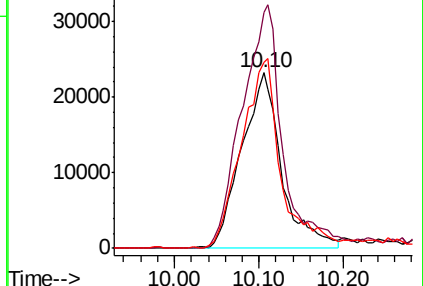
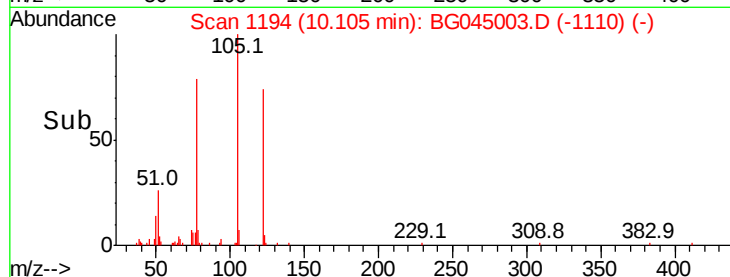
77 106.2 78.8 118.8



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: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

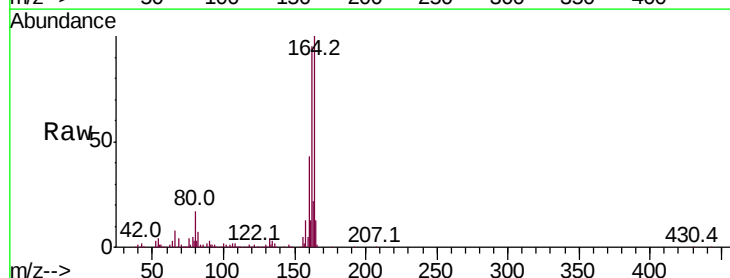
Tgt Ion:164 Resp: 219786

Ion Ratio Lower Upper

164 100

162 94.6 78.7 118.1

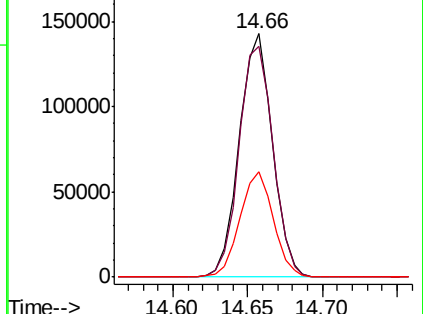
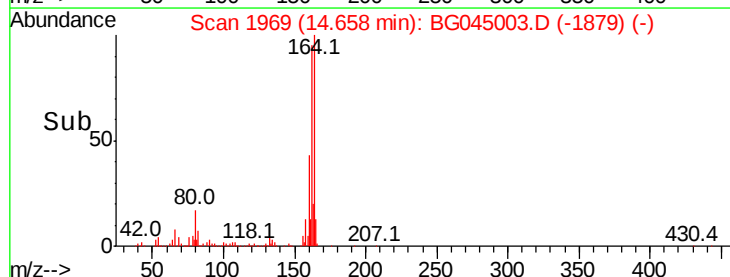
160 43.1 32.8 49.2

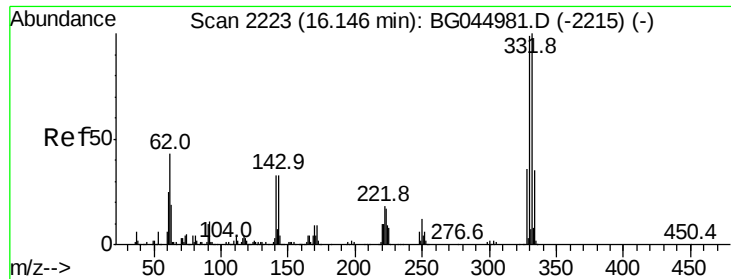


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

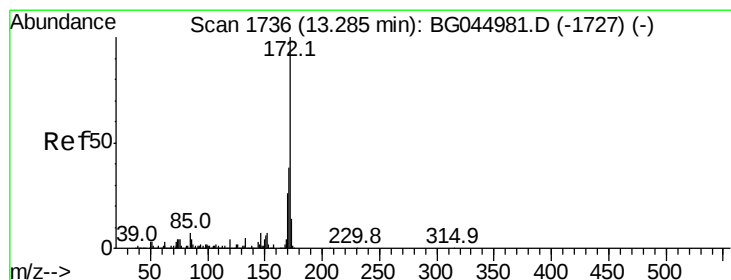
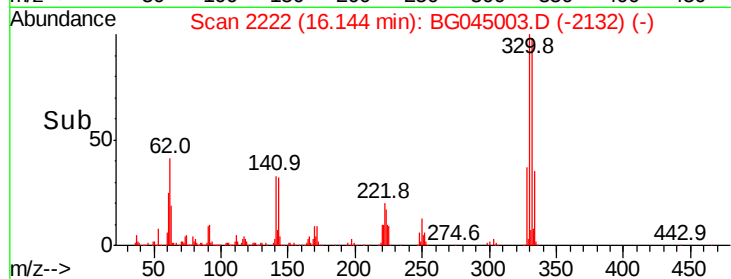
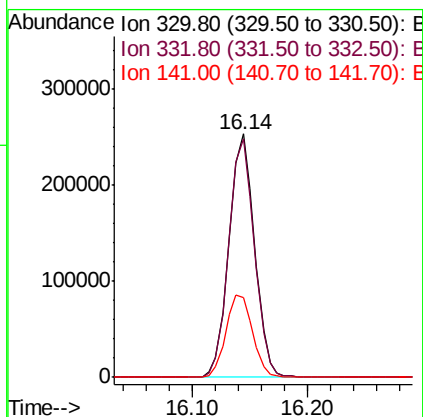
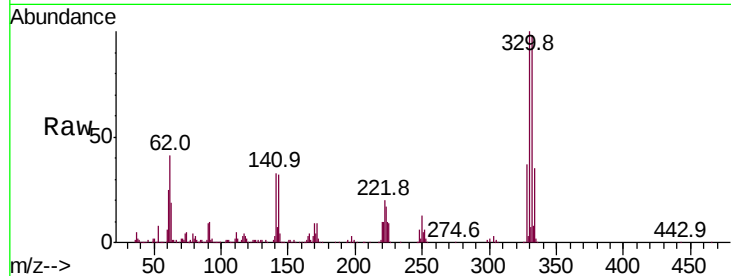




#42
 2,4,6-Tribromophenol
 Concen: 114.473 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

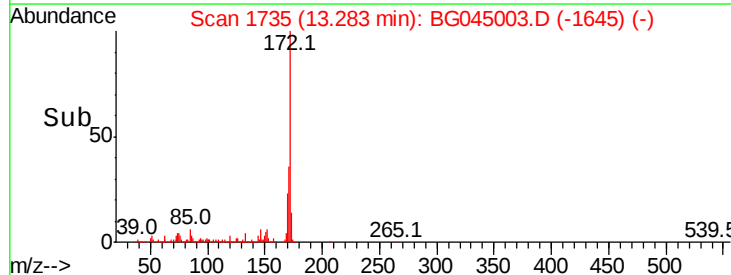
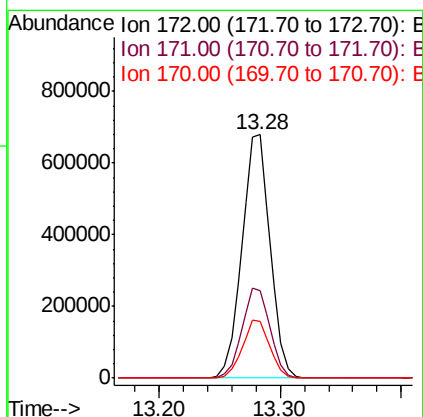
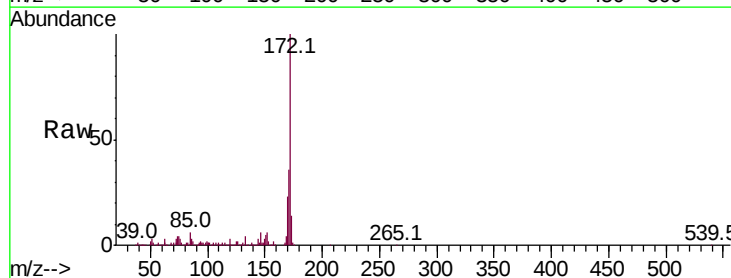
Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAMATION-PIT

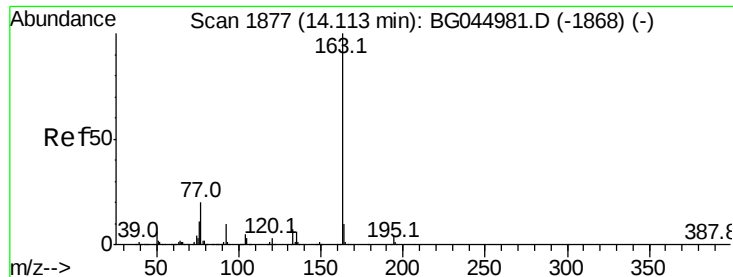
Tot Ion:330 Resp: 388684
 Ion Ratio Lower Upper
 330 100
 332 98.6 79.1 118.7
 141 35.2 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 73.608 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Tgt Ion:172 Resp: 1103308
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.6 46.0
 170 23.5 20.5 30.7

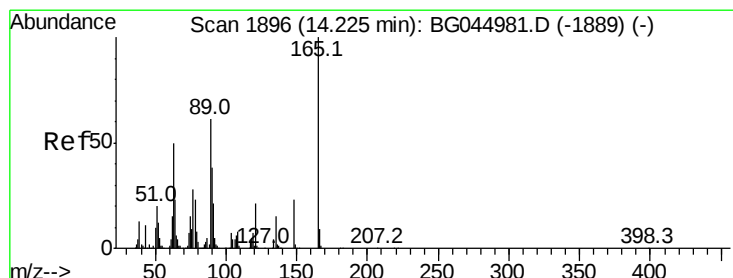
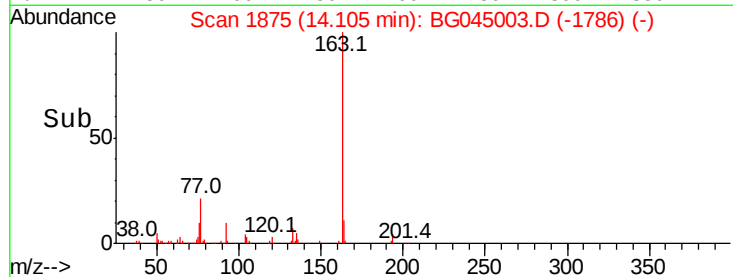
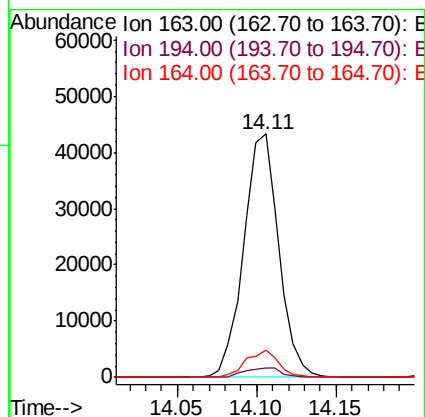
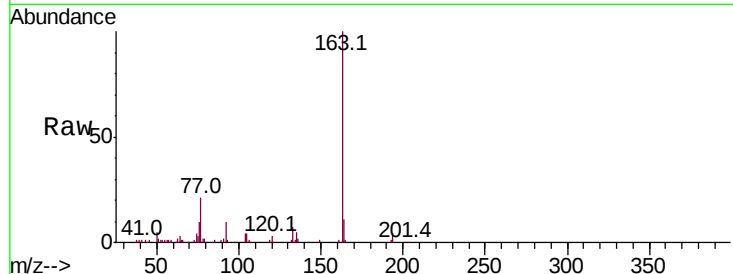




#50
Dimethylphthalate
Concen: 3.709 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045003.D
Acq: 16 Apr 2020 4:54

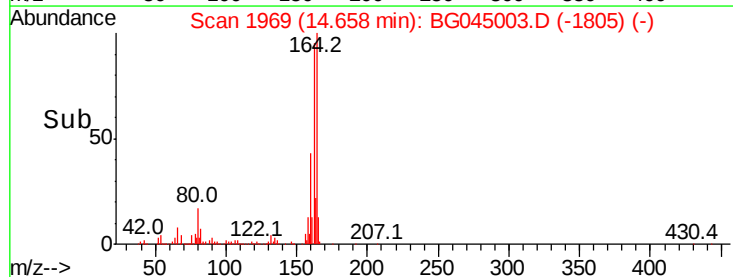
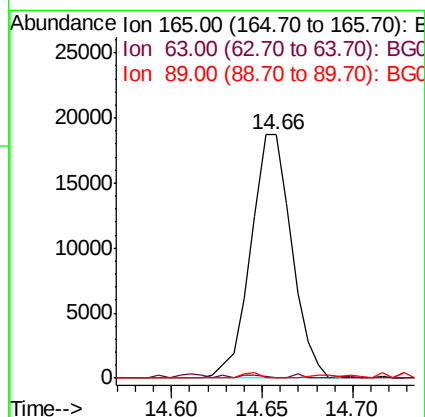
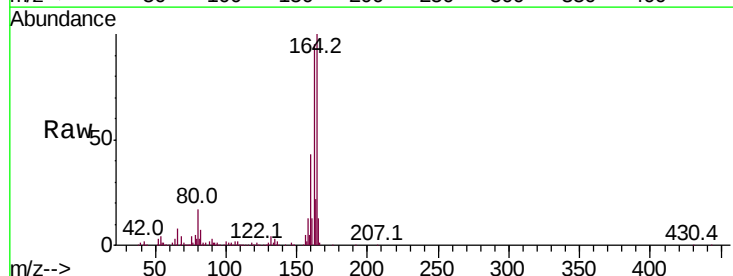
Instrument :
BNA_G
ClientSampleId :
WATER-RECLAMATION-PIT

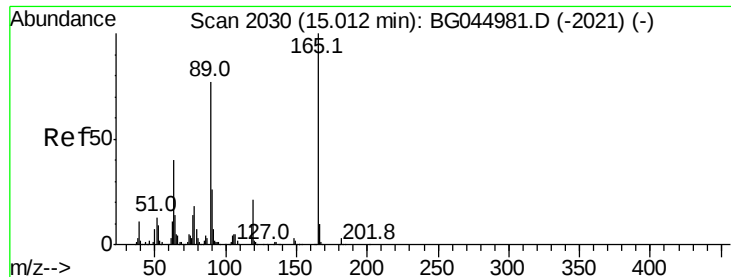
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	11.4	8.2	12.4



#51
2,6-Dinitrotoluene
Concen: 7.289 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.43 min
Lab File: BG045003.D
Acq: 16 Apr 2020 4:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	0.0	49.1	73.7#

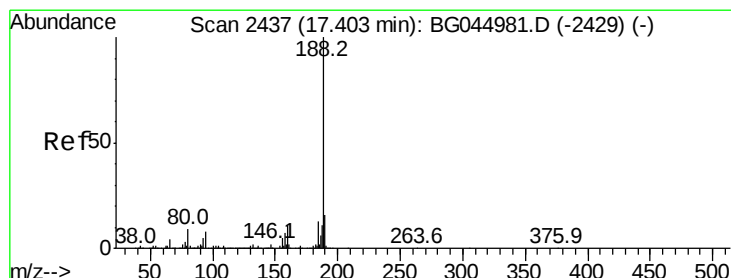
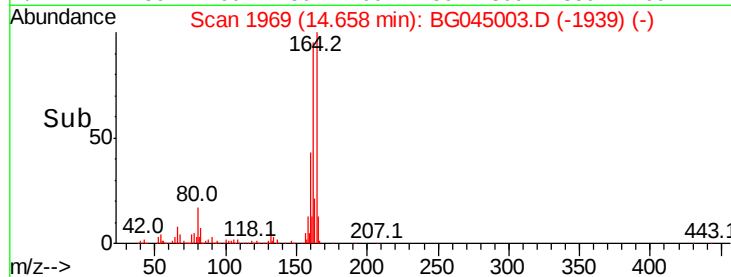
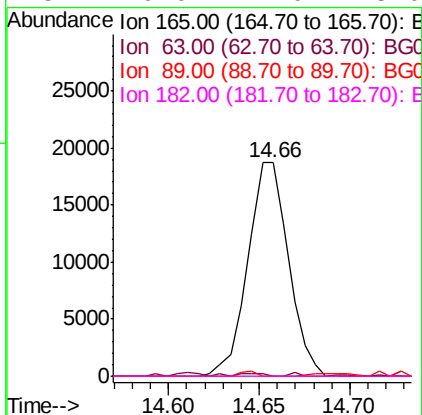
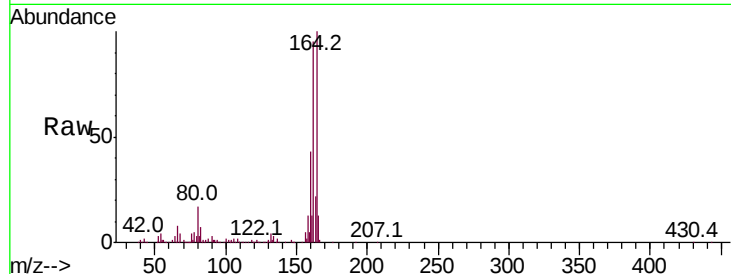




#57
 2,4-Dinitrotoluene
 Concen: 4.988 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.35 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

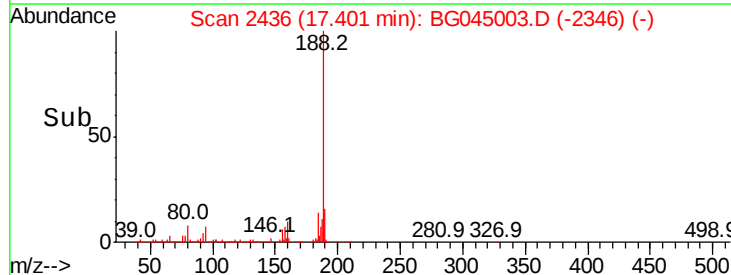
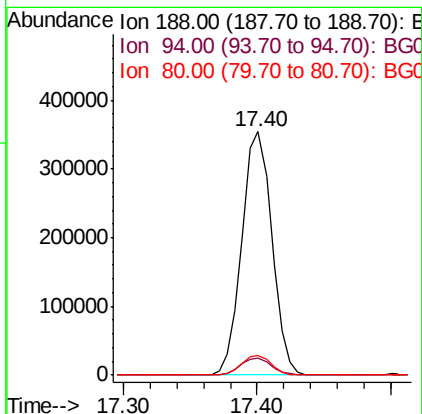
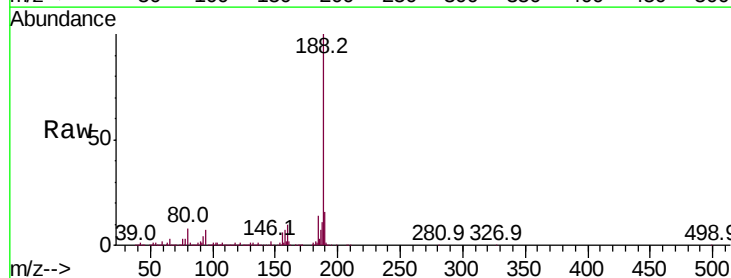
Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAMATION-PIT

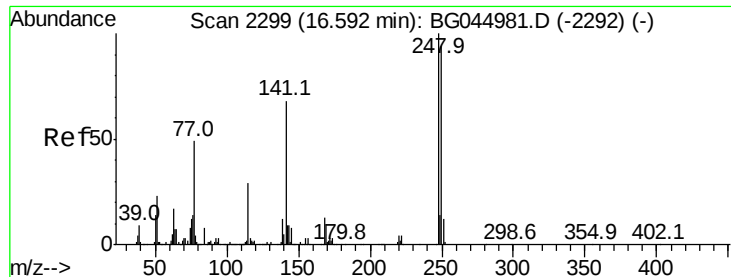
Tot Ion:165 Resp: 29176
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.2 48.2#
 89 0.0 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Tgt Ion:188 Resp: 551898
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.2 9.4
 80 8.0 7.0 10.6

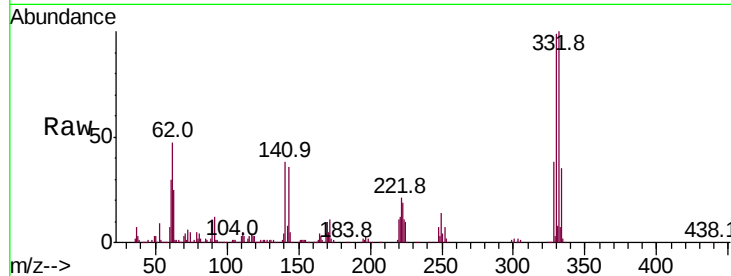




#67
 4-Bromophenyl-phenylether
 Concen: 3.603 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAMATION-PIT

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.6	75.4	113.2#
141	530.6	54.4	81.6#

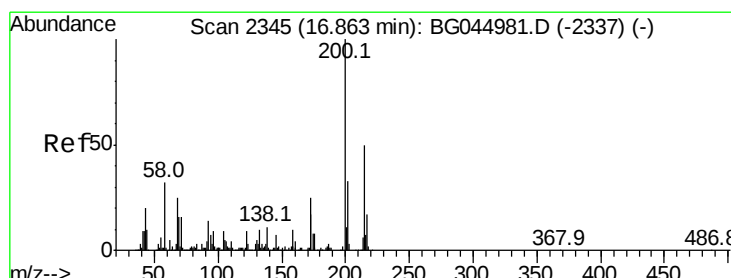
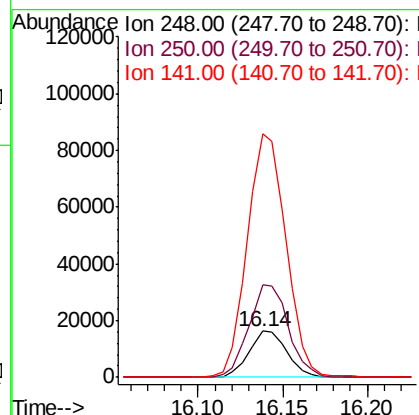
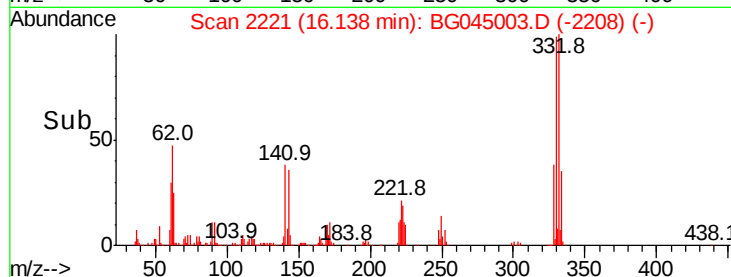


Abundance

Ion 248.00 (247.70 to 248.70): E

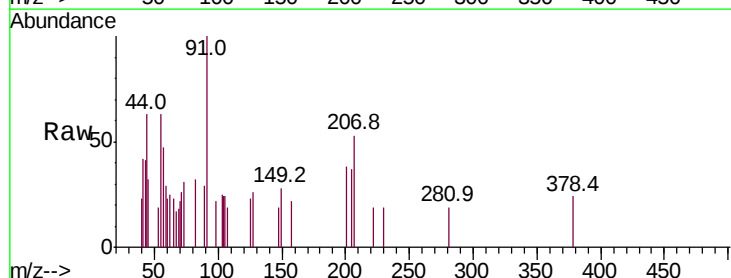
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#69
 Atrazine
 Concen: Below Cal
 RT: 16.95 min Scan# 2360
 Delta R.T. 0.09 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#

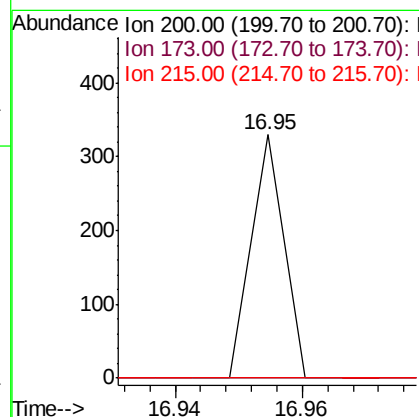
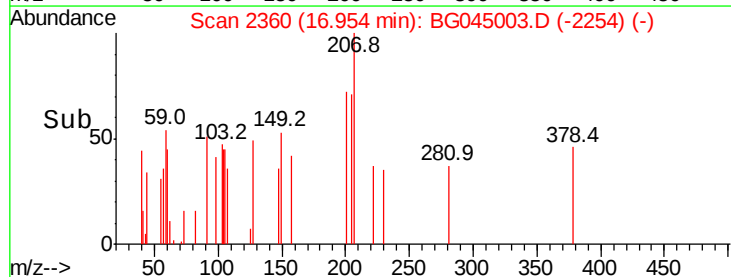


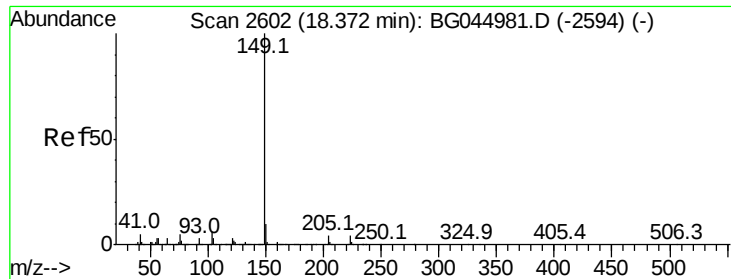
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAMATION-PIT

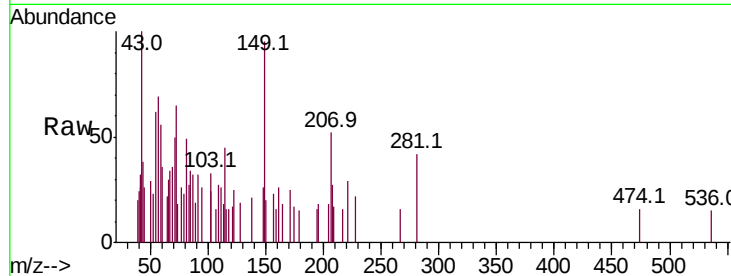
Tot Ion:149 Resp: 1274

Ion Ratio Lower Upper

149 100

150 21.5 8.2 12.2#

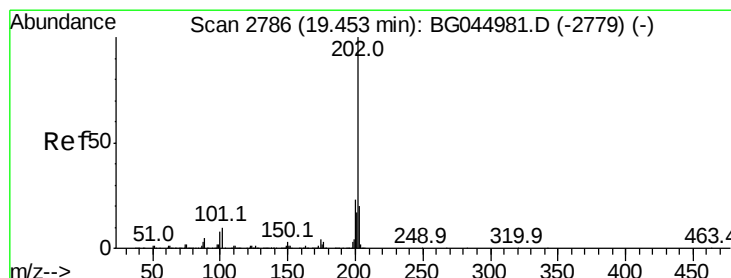
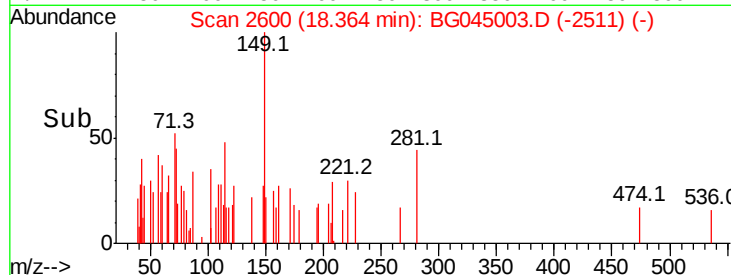
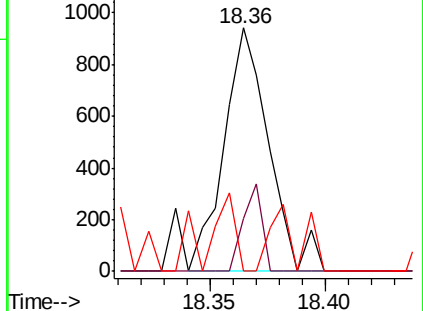
104 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BG045003.D

Acq: 16 Apr 2020 4:54

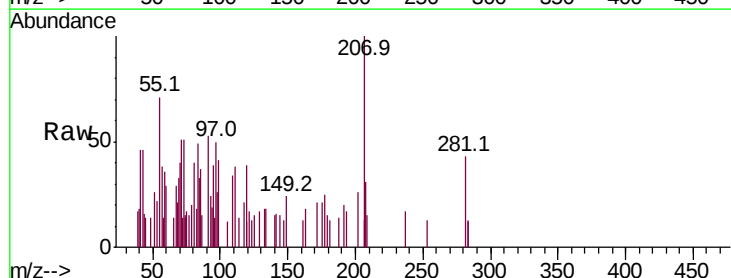
Tgt Ion:202 Resp: 171

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

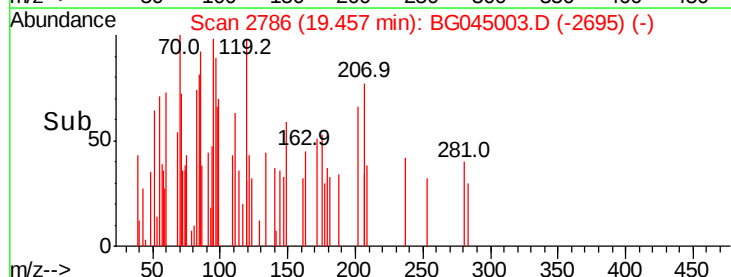
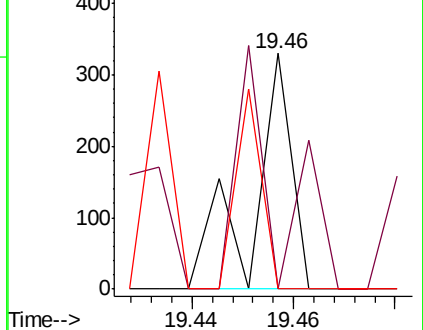
203 0.0 0.0 39.7

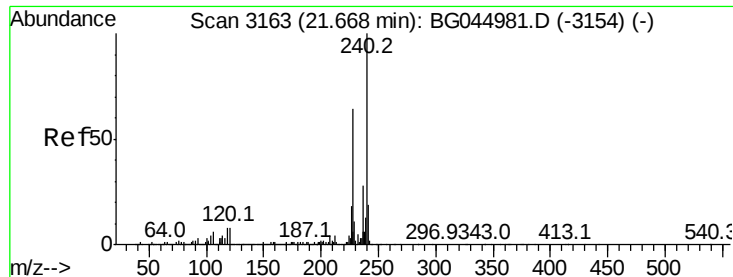


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

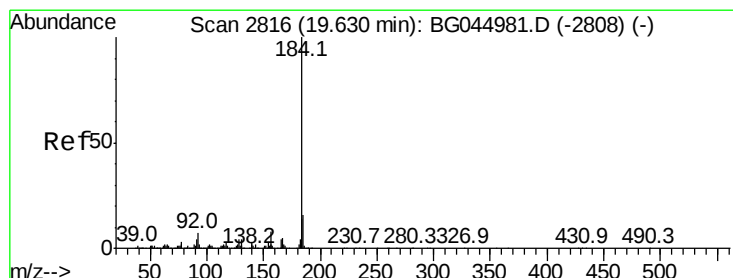
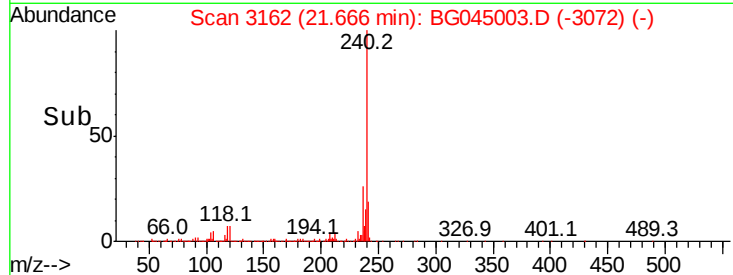
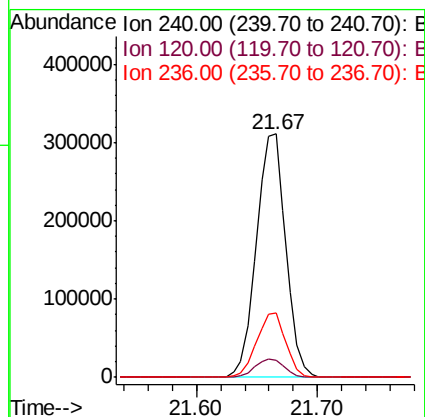
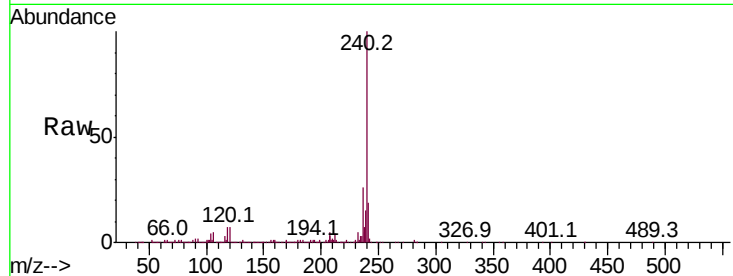




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

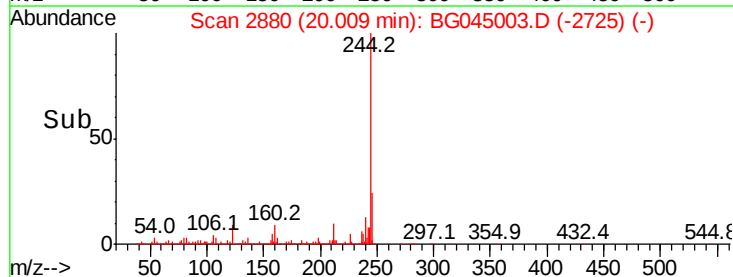
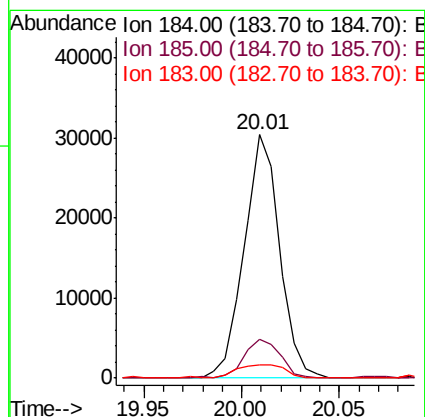
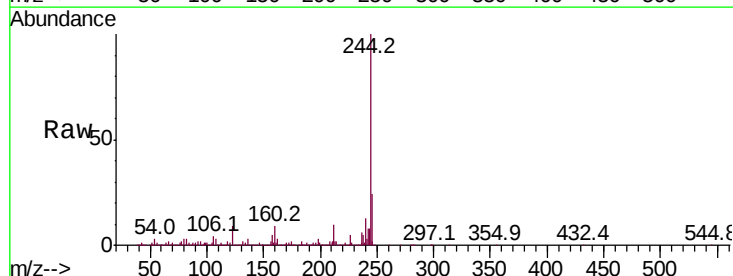
Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAMATION-PIT

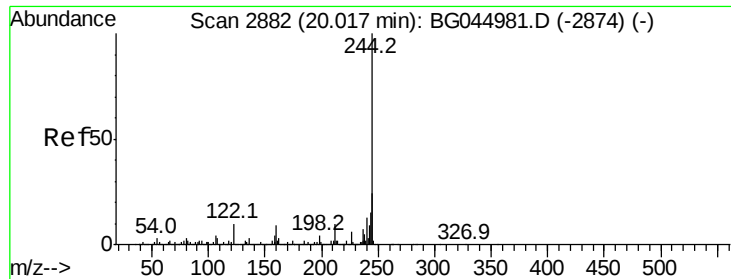
Tot Ion:240 Resp: 527103
 Ion Ratio Lower Upper
 240 100
 120 7.0 6.6 10.0
 236 26.2 22.2 33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 20.01 min Scan# 2880
 Delta R.T. 0.38 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Tgt Ion:184 Resp: 38354
 Ion Ratio Lower Upper
 184 100
 185 15.9 12.6 19.0
 183 5.7 11.3 16.9#



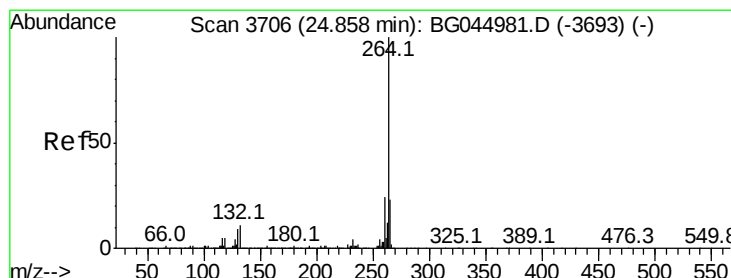
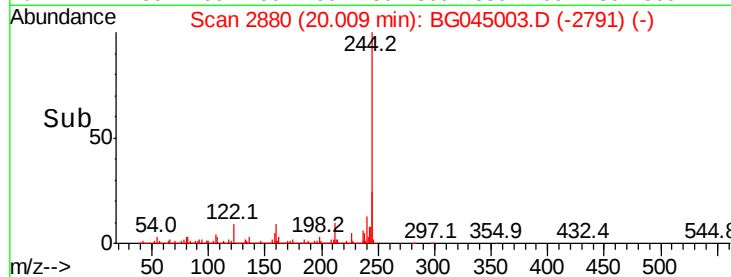
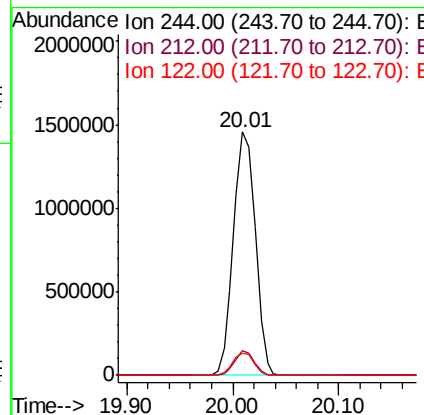
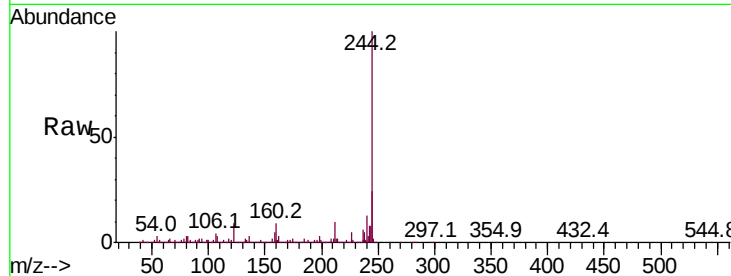


#79
 Terphenyl-d14
 Concen: 86.352 ng
 RT: 20.01 min Scan# 2880
 Delta R.T. -0.01 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Instrument :
 BNA_G
 ClientSampleId :
 WATER-RECLAMATION-PIT

Tot Ion:244 Resp: 2088333

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	9.1	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG045003.D
 Acq: 16 Apr 2020 4:54

Tgt Ion:264 Resp: 585420

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.7	19.0	28.4

