

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG041720\
 Data File : BG045039.D
 Acq On : 17 Apr 2020 19:06
 Operator : CG/JU
 Sample : L2300-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 17 19:42:43 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	8.02	152	59901	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	258536	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	200256	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	492117	20.00	ng	0.00
76) Chrysene-d12	21.66	240	495226	20.00	ng	0.00
87) Perylene-d12	24.85	264	526244	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	492718	135.80	ng	0.00
7) Phenol-d6	7.18	99	704266	130.64	ng	0.00
23) Nitrobenzene-d5	9.18	82	530106	93.56	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	484313	156.55	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1325751	97.07	ng	0.00
79) Terphenyl-d14	20.02	244	2298872	101.18	ng	0.00

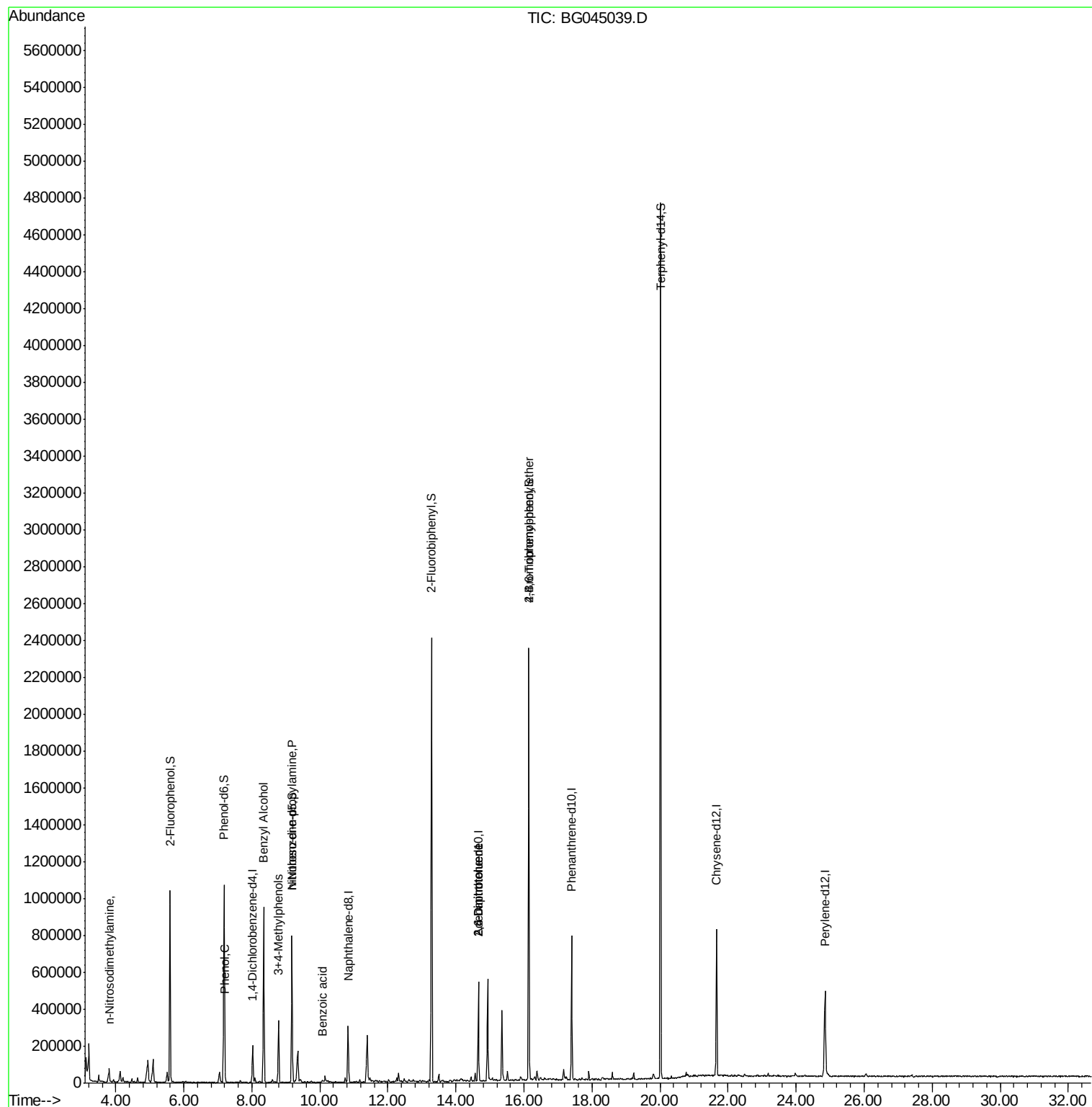
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.81	42	9389	6.173	ng	# 1
9) Benzaldehyde	7.15	77	478	Below	Cal	# 4
10) Phenol	7.21	94	23065	4.276	ng	# 84
15) Benzyl Alcohol	8.35	79	9159	2.026	ng	# 54
19) n-Nitroso-di-n-propylamine	9.18	70	74175	19.457	ng	# 82
20) 3+4-Methylphenols	8.78	107	162227	27.847	ng	# 92
32) Benzoic acid	10.06	122	5648	7.901	ng	# 58
51) 2,6-Dinitrotoluene	14.65	165	26652	7.308	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	26652	5.000	ng	# 23
67) 4-Bromophenyl-phenylether	16.14	248	33582	5.290	ng	# 1
69) Atrazine	16.87	200	54	Below	Cal	# 35
74) Di-n-butylphthalate	18.36	149	1568	Below	Cal	# 68
75) Fluoranthene	19.45	202	169	Below	Cal	# 62
77) Benzidine	20.02	184	46783	Below	Cal	# 90

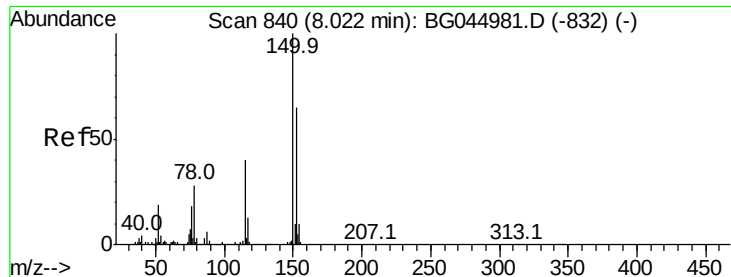
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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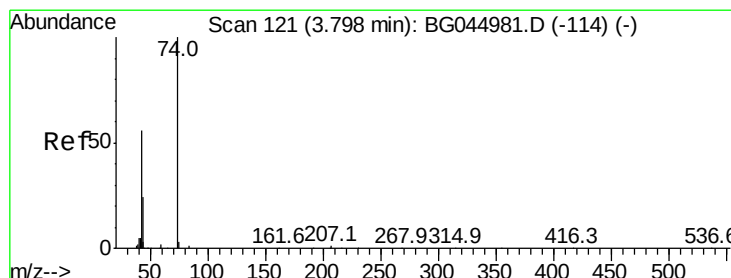
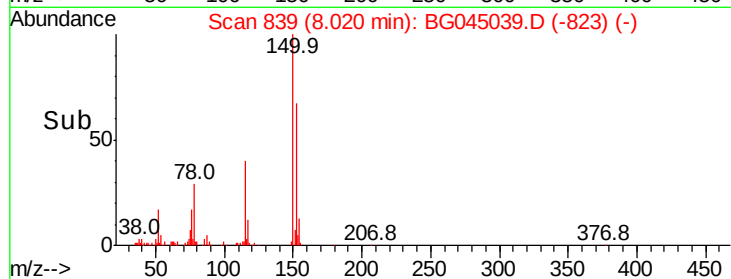
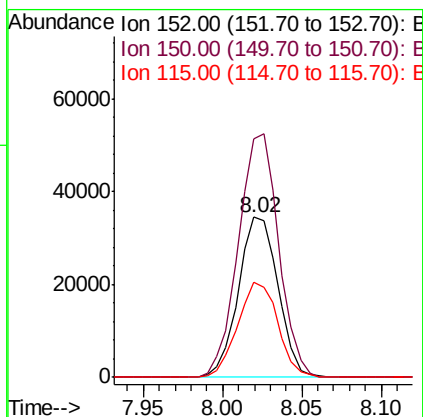
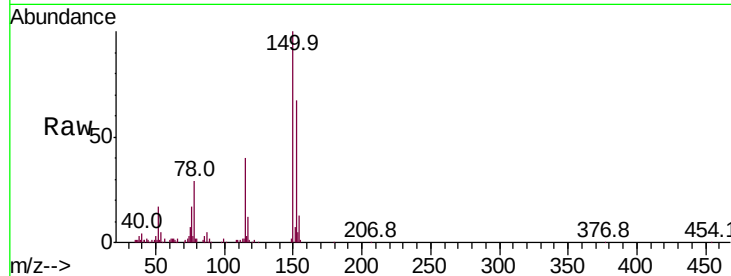


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

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

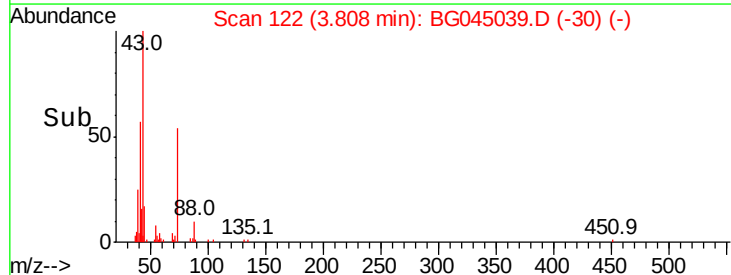
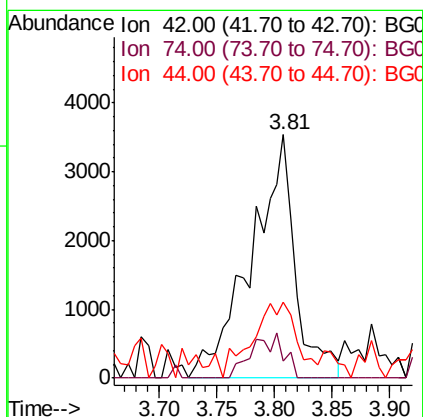
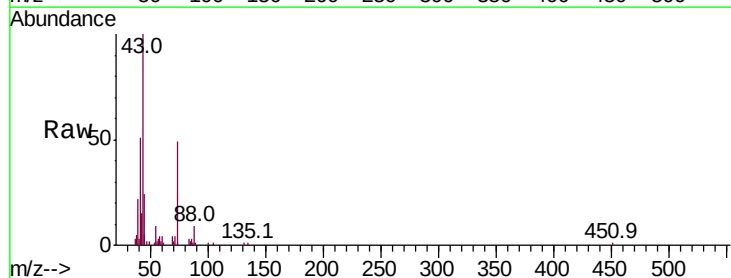
Tot Ion:152 Resp: 59901
Ion Ratio Lower Upper
152 100
150 149.0 123.6 185.4
115 59.5 49.1 73.7

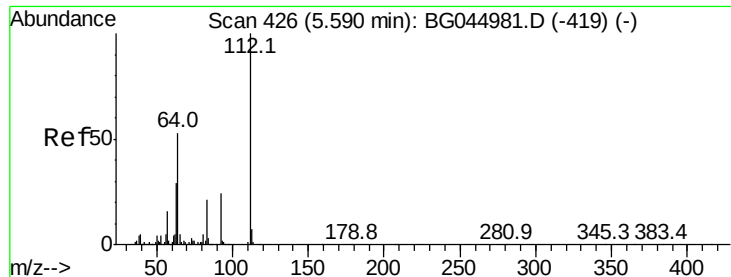


#4

n-Nitrosodimethylamine
Concen: 6.173 ng
RT: 3.81 min Scan# 122
Delta R.T. 0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

Tgt Ion: 42 Resp: 9389
Ion Ratio Lower Upper
42 100
74 6.9 143.0 214.6#
44 31.0 4.6 6.8#





#5

2-Fluorophenol

Concen: 135.799 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

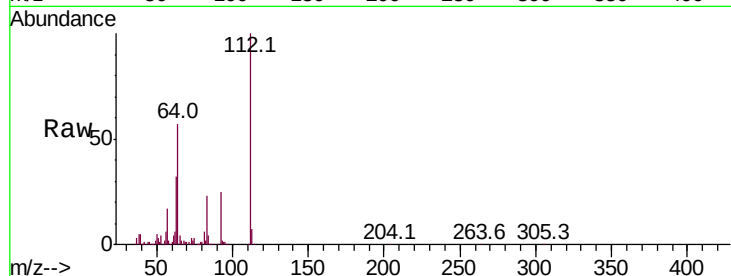
Tot Ion:112 Resp: 492718

Ion Ratio Lower Upper

112 100

64 57.4 42.4 63.6

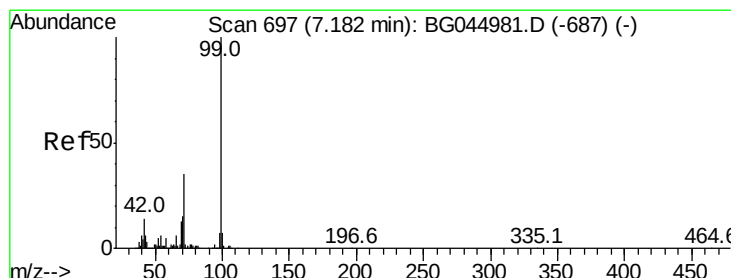
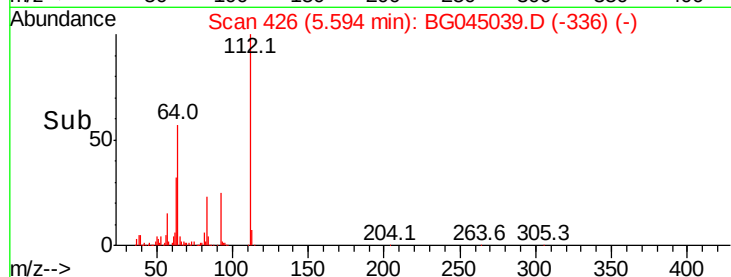
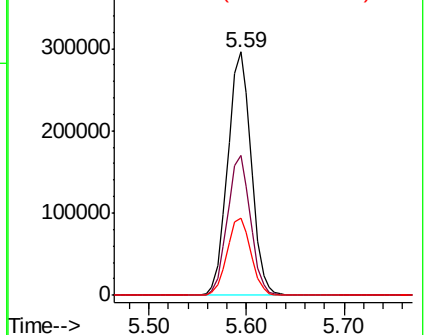
63 31.7 23.1 34.7



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: 130.644 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

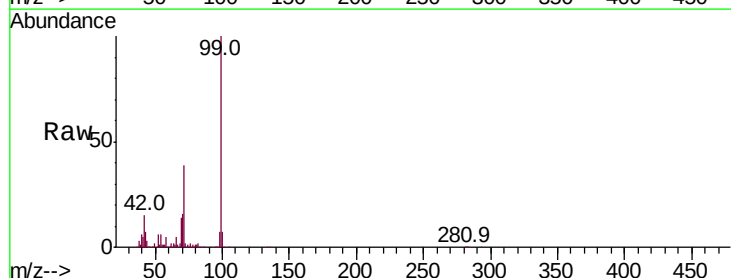
Tgt Ion: 99 Resp: 704266

Ion Ratio Lower Upper

99 100

42 14.7 11.3 16.9

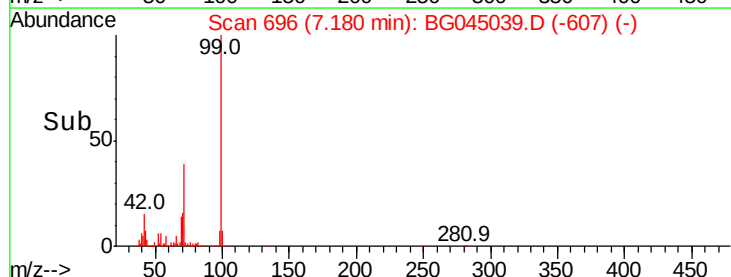
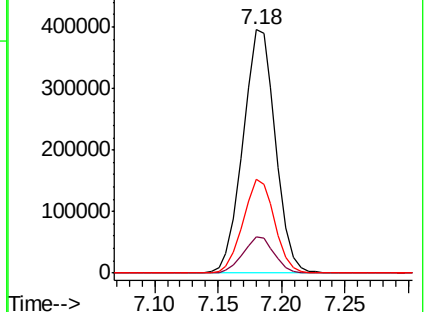
71 38.8 28.3 42.5

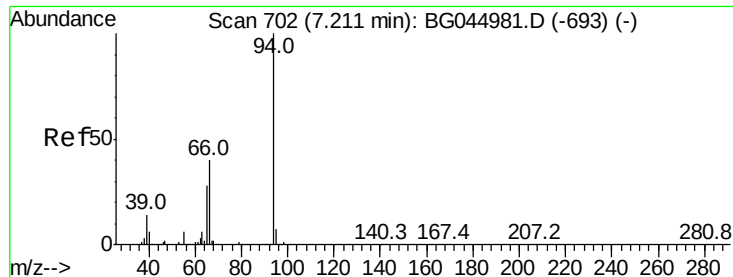


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

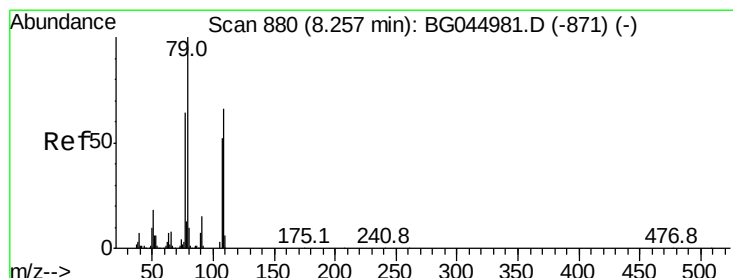
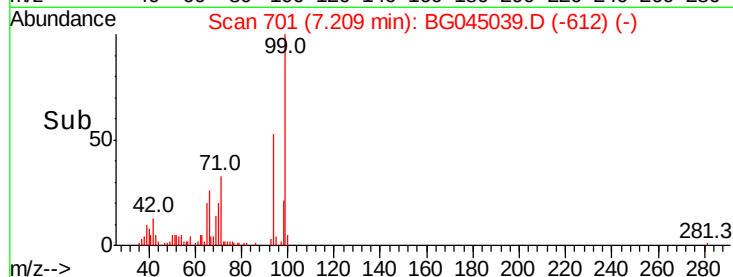
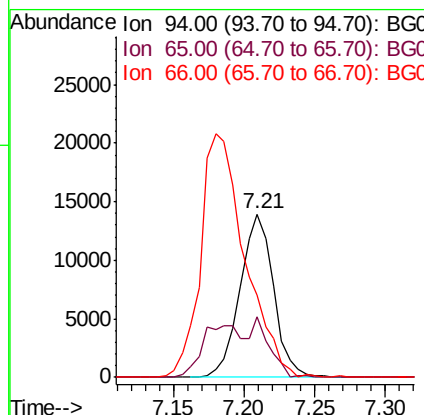
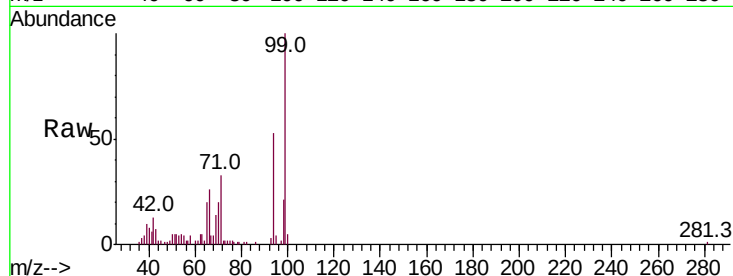




#10
Phenol
Concen: 4.276 ng
RT: 7.21 min Scan# 701
Delta R.T. -0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

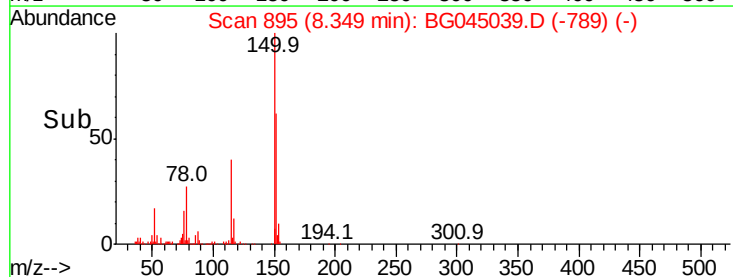
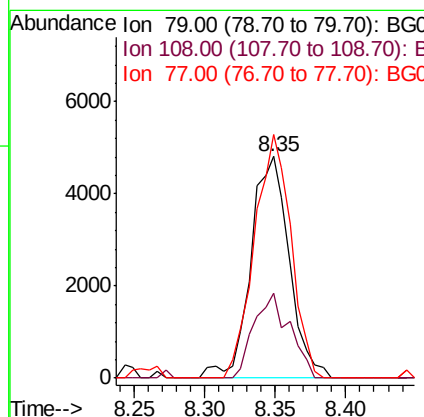
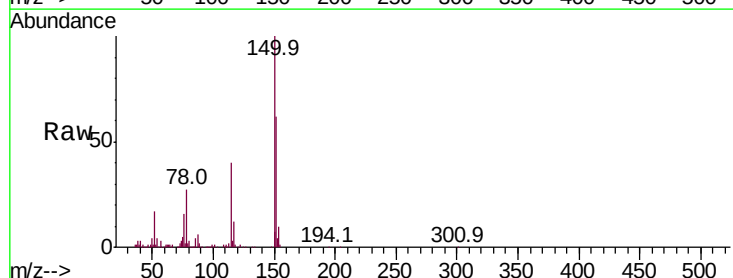
Instrument :
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WATER-RECLAIM-SYSTEM-SEDIM

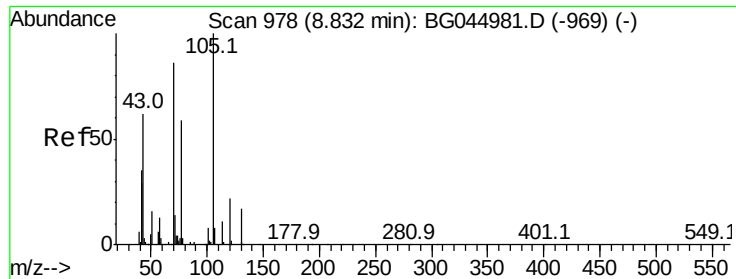
Tot Ion: 94 Resp: 23065
Ion Ratio Lower Upper
94 100
65 37.4 8.2 48.2
66 50.2 20.4 60.4



#15
Benzyl Alcohol
Concen: 2.026 ng
RT: 8.35 min Scan# 895
Delta R.T. 0.09 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

Tgt Ion: 79 Resp: 9159
Ion Ratio Lower Upper
79 100
108 38.2 52.7 79.1#
77 109.9 51.3 76.9#





#19

n-Nitroso-di-n-propylamine

Concen: 19.457 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

Instrument :

BNA_G

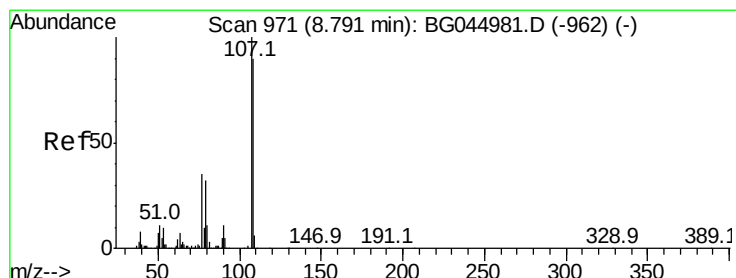
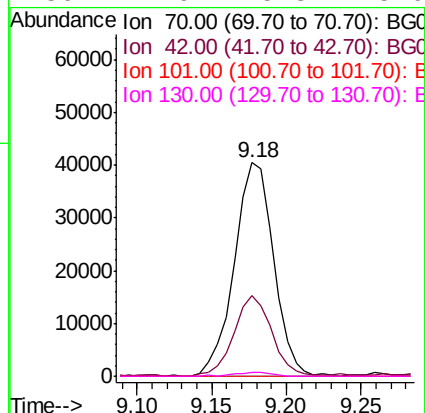
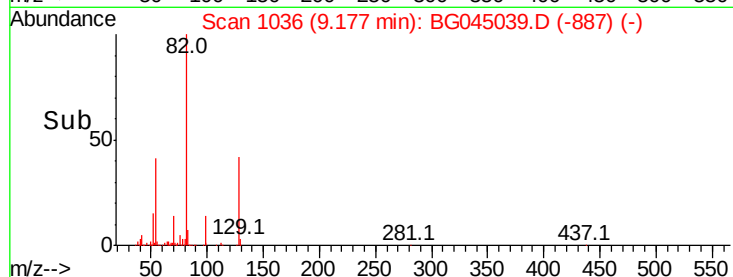
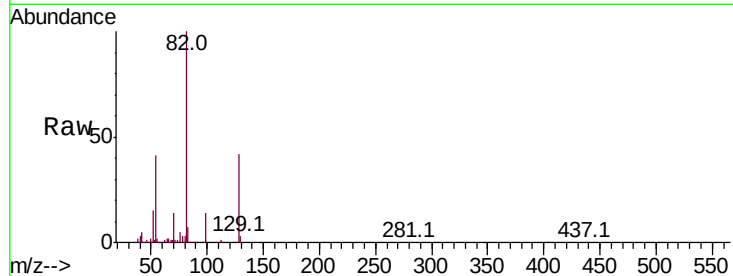
ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

Tot Ion: 70 Resp: 74175

Ion Ratio Lower Upper

70	100		
42	37.6	33.3	49.9
101	0.0	7.8	11.8#
130	1.9	15.8	23.6#



#20

3+4-Methylphenols

Concen: 27.847 ng

RT: 8.78 min Scan# 969

Delta R.T. -0.01 min

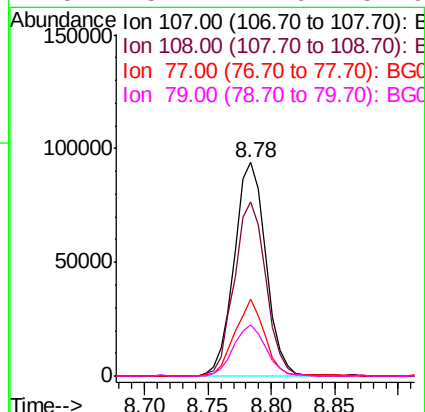
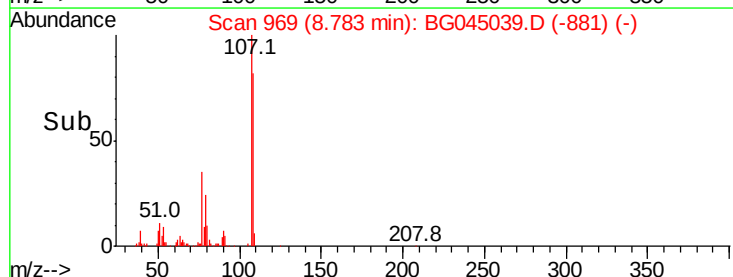
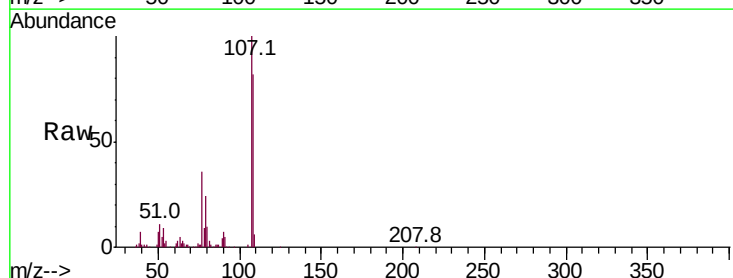
Lab File: BG045039.D

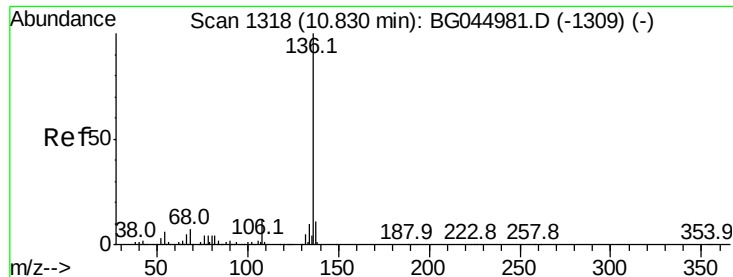
Acq: 17 Apr 2020 19:06

Tgt Ion:107 Resp: 162227

Ion Ratio Lower Upper

107	100		
108	81.6	69.9	109.9
77	35.7	15.2	55.2
79	23.7	11.6	51.6

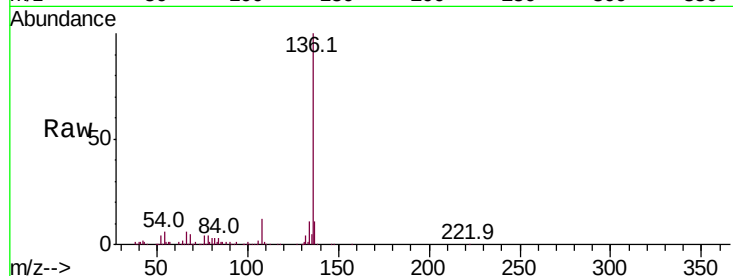




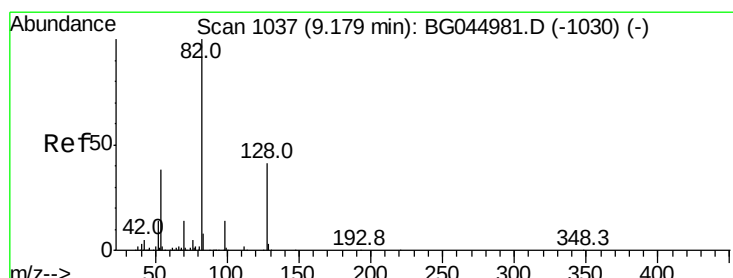
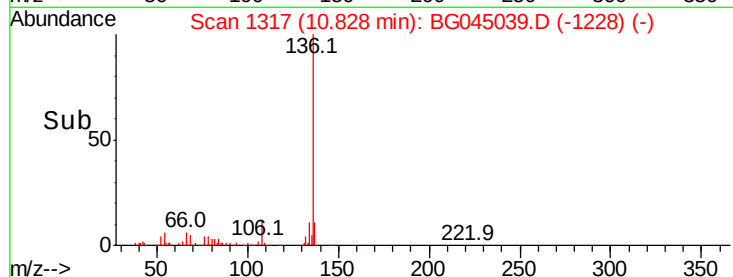
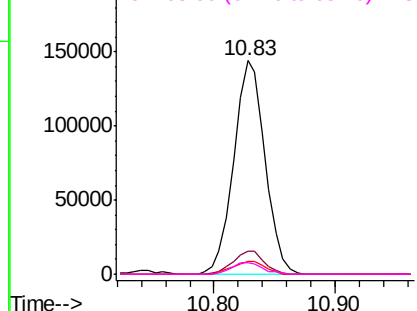
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

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

Tot Ion:136	Resp:	258536
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.6	13.0
54 5.7	4.8	7.2
68 5.3	5.2	7.8

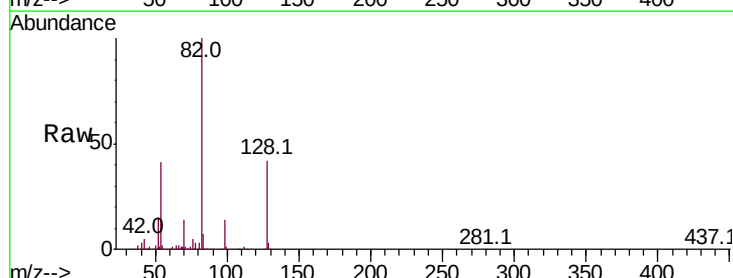


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

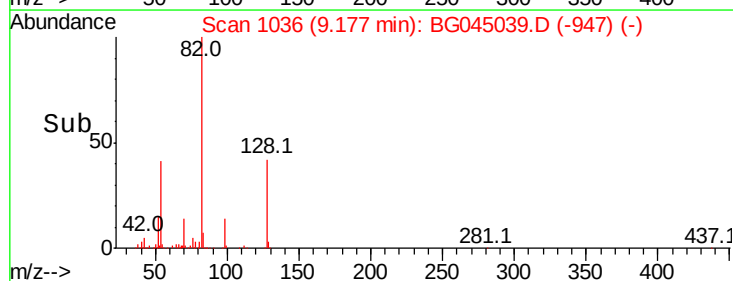
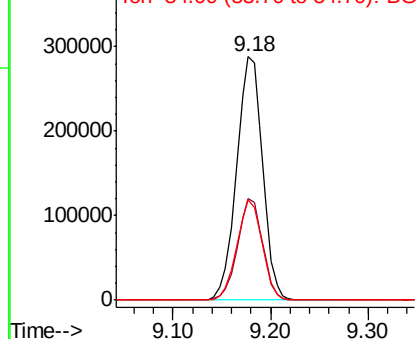


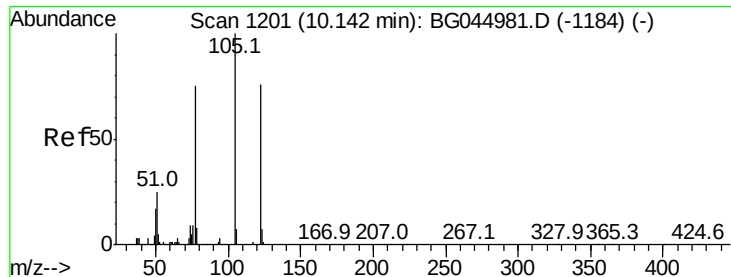
#23
Nitrobenzene-d5
Concen: 93.558 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

Tgt Ion: 82	Resp: 530106
Ion Ratio	Lower Upper
82 100	
128 41.8	33.0 49.4
54 41.4	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

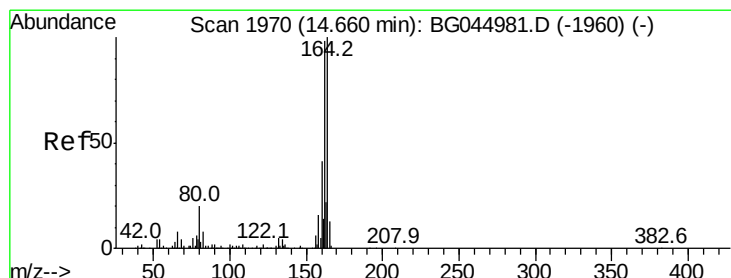
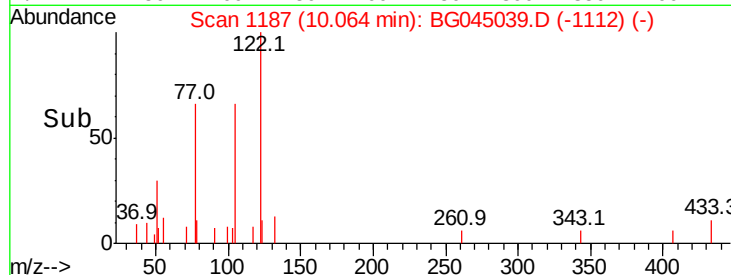
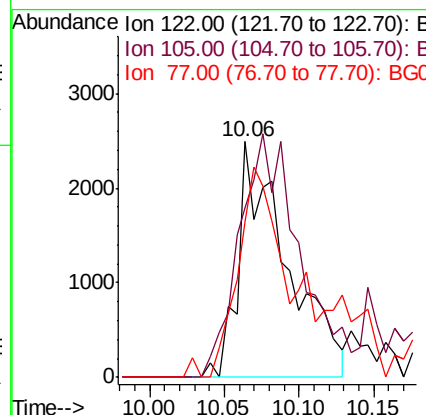
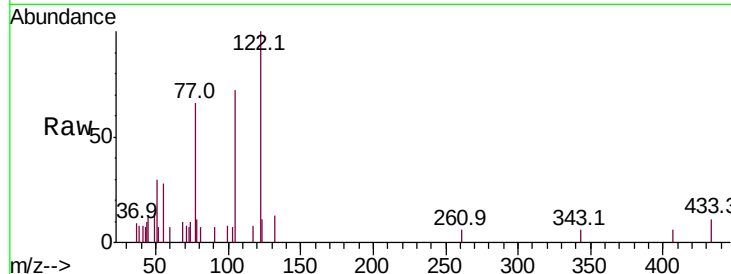




#32
Benzoic acid
Concen: 7.901 ng
RT: 10.06 min Scan# 1187
Delta R.T. -0.09 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

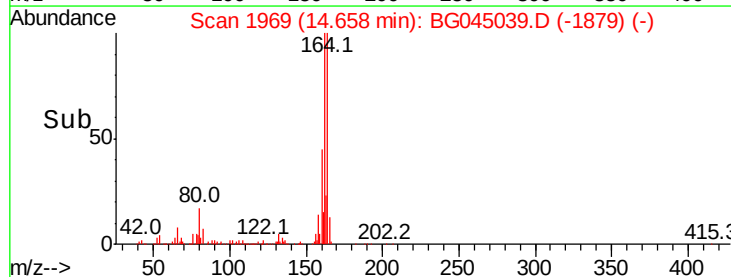
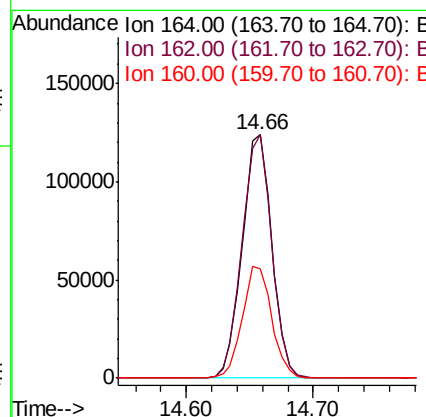
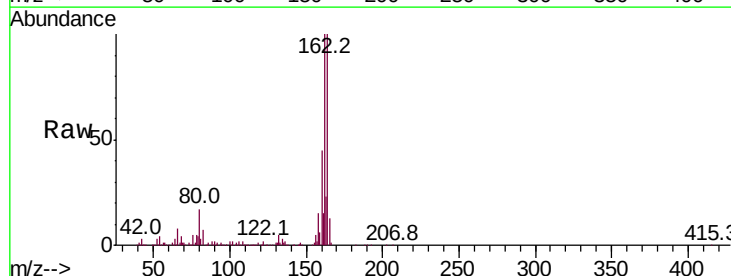
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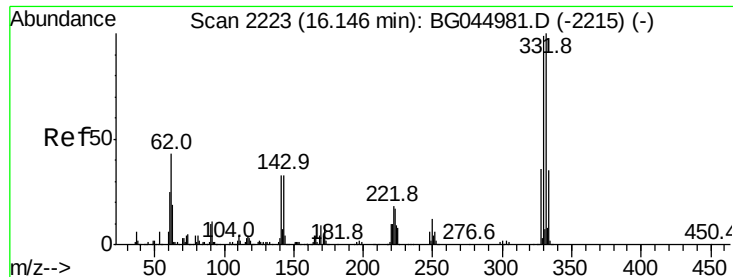
Tot Ion:122 Resp: 5648
Ion Ratio Lower Upper
122 100
105 71.7 108.4 148.4#
77 65.8 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

Tgt Ion:164 Resp: 200256
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 45.1 32.8 49.2

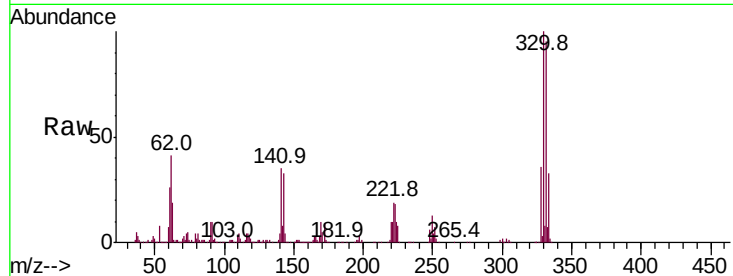




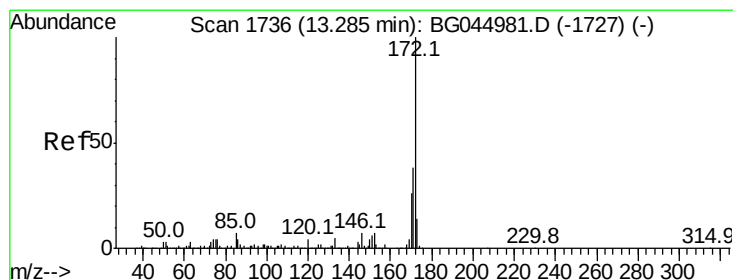
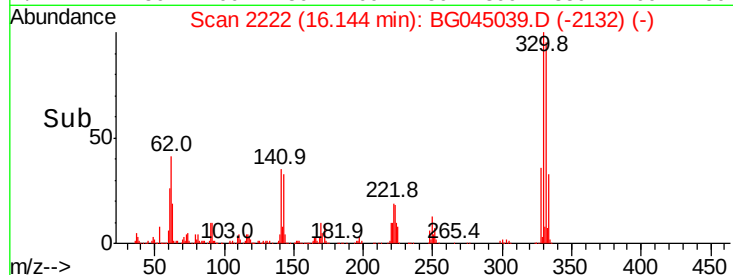
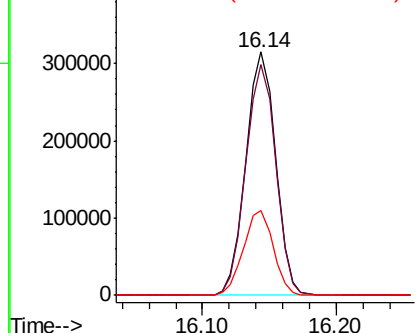
#42
 2,4,6-Tribromophenol
 Concen: 156.548 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BG045039.D
 Acq: 17 Apr 2020 19:06

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

Tot Ion:330 Resp: 484313
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.1 118.7
 141 35.2 27.1 40.7

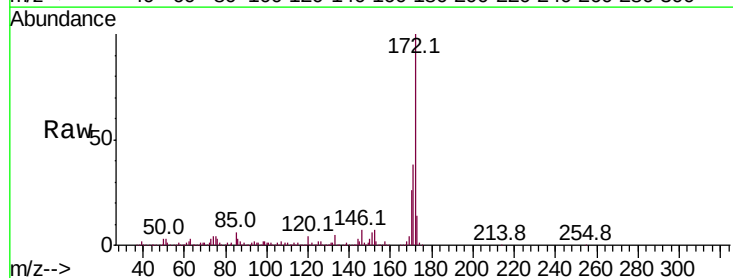


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

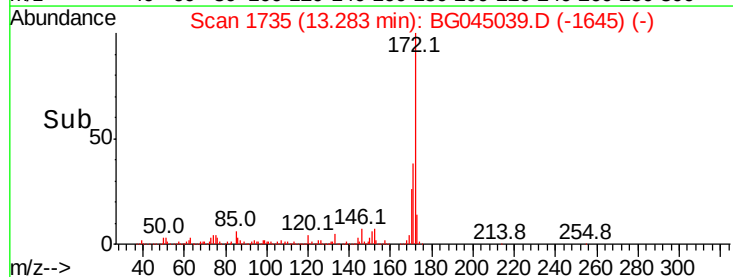
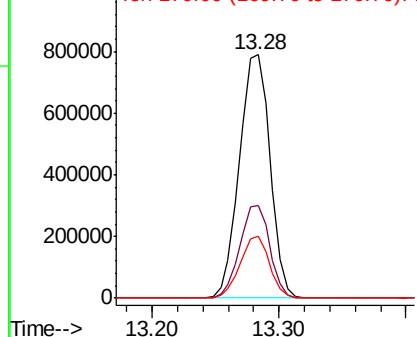


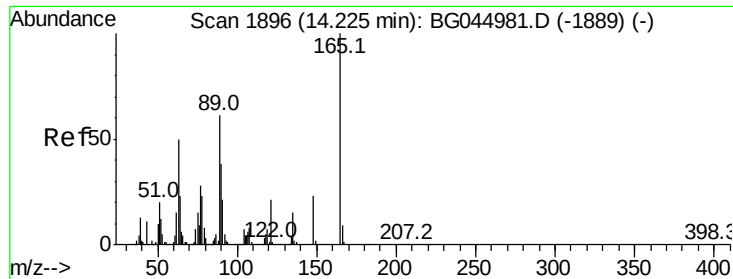
#45
 2-Fluorobiphenyl
 Concen: 97.074 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG045039.D
 Acq: 17 Apr 2020 19:06

Tgt Ion:172 Resp: 1325751
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.6 46.0
 170 25.5 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.308 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

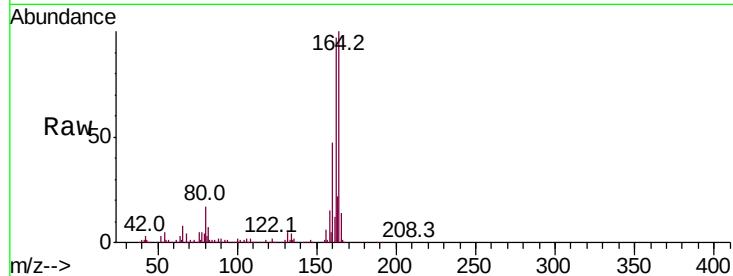
Tot Ion:165 Resp: 26652

Ion Ratio Lower Upper

165 100

63 1.7 40.4 60.6#

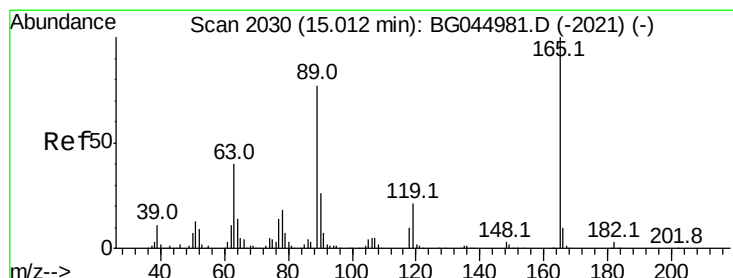
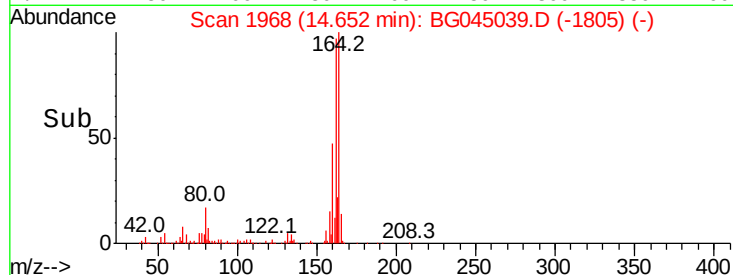
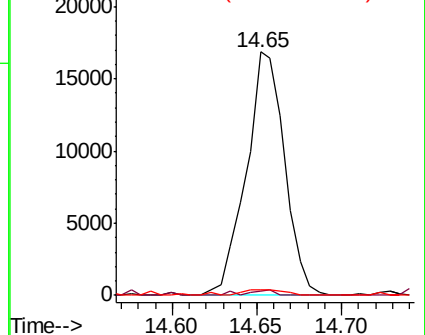
89 2.3 49.1 73.7#



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: 5.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

Tgt Ion:165 Resp: 26652

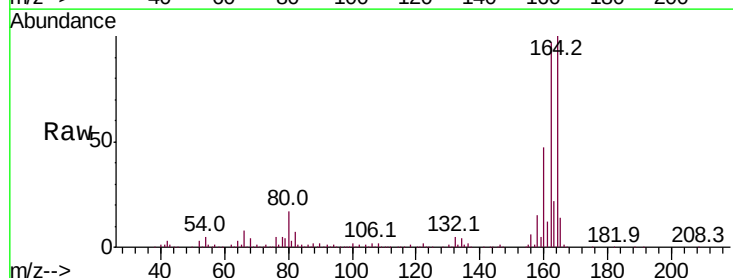
Ion Ratio Lower Upper

165 100

63 1.7 32.2 48.2#

89 2.3 61.7 92.5#

182 1.0 2.0 3.0#

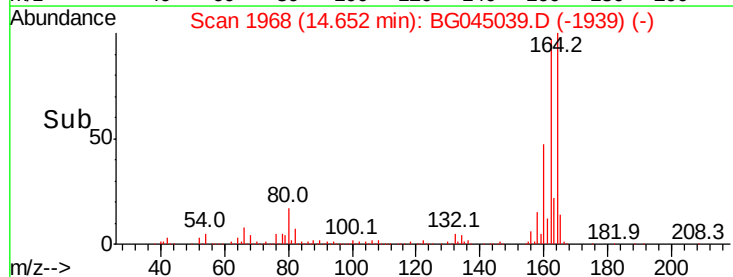
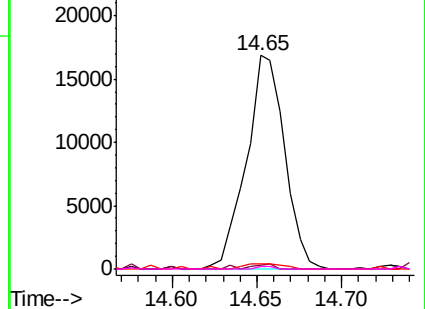


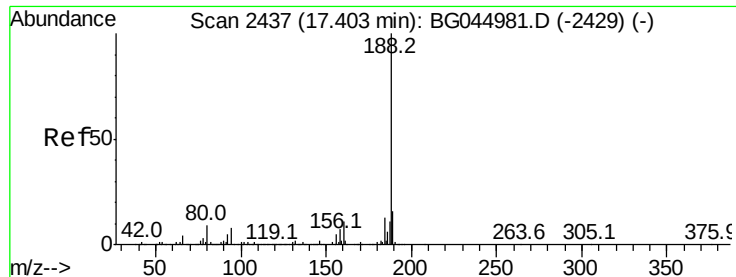
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045039.D

Acq: 17 Apr 2020 19:06

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

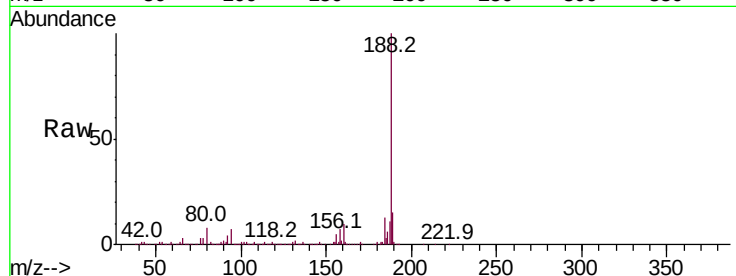
Tot Ion:188 Resp: 492117

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

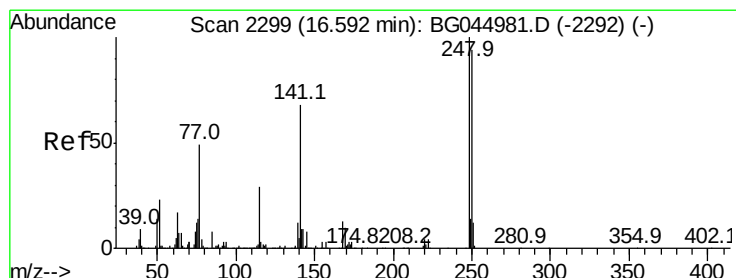
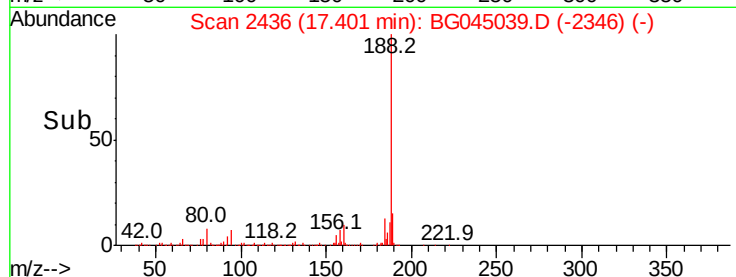
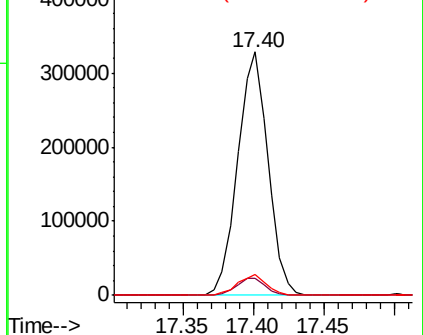
80 8.5 7.0 10.6



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: 5.290 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

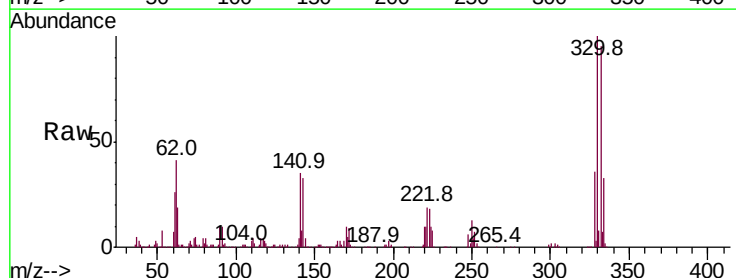
Tgt Ion:248 Resp: 33582

Ion Ratio Lower Upper

248 100

250 200.1 75.4 113.2#

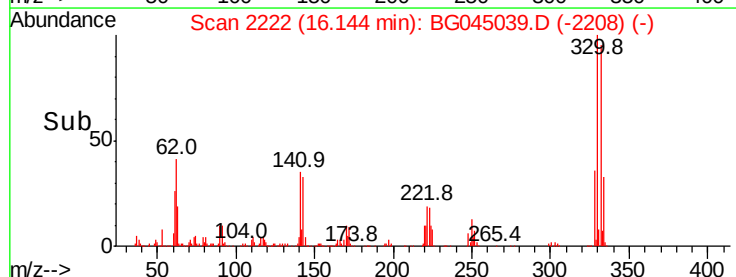
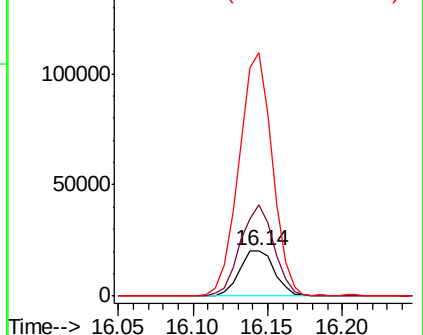
141 535.0 54.4 81.6#

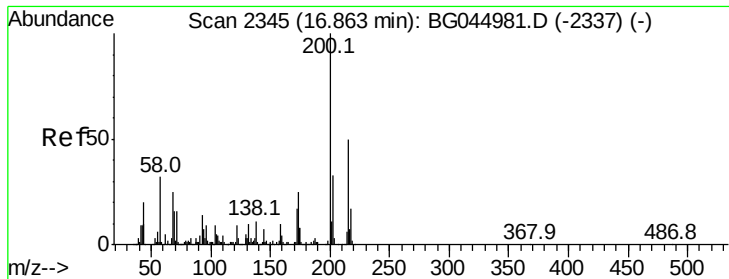


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

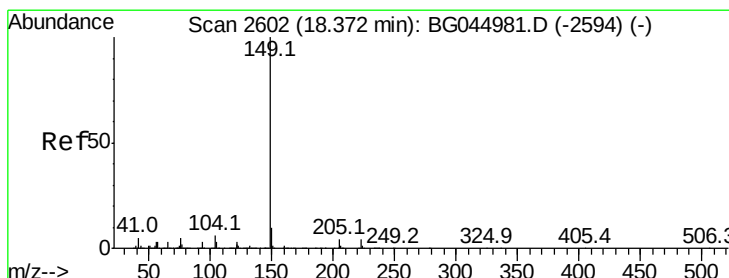
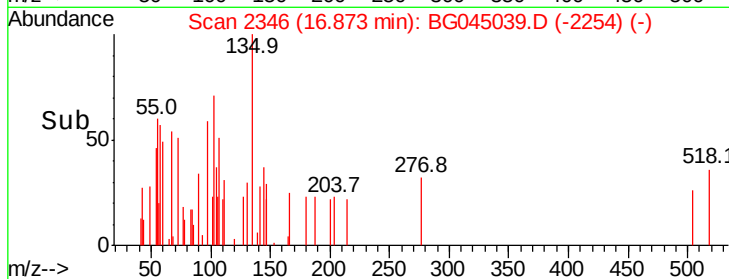
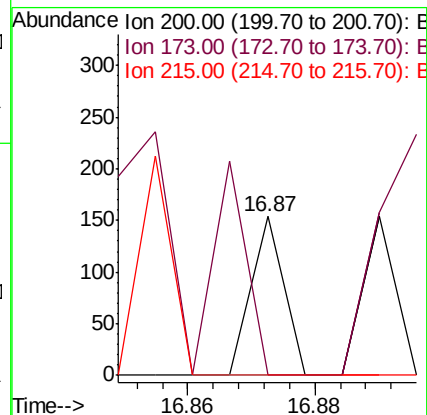
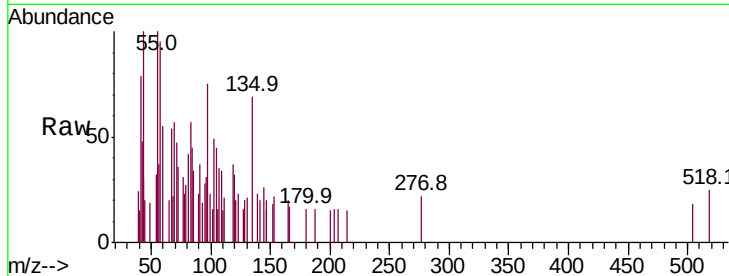




#69
Atrazine
Concen: Below Cal
RT: 16.87 min Scan# 2346
Delta R.T. 0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

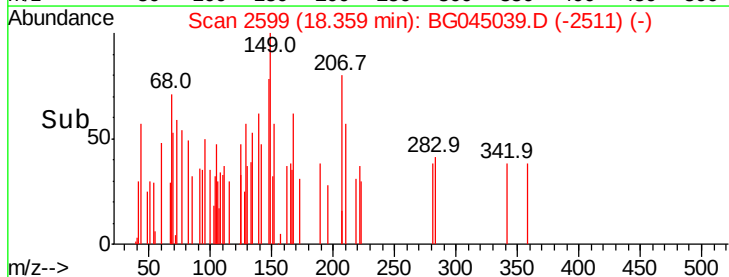
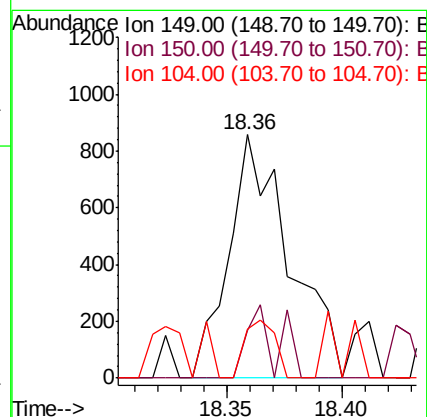
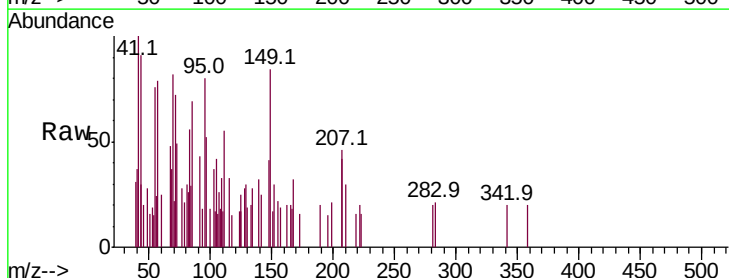
Instrument :
BNA_G
ClientSampleId :
WATER-RECLAIM-SYSTEM-SEDIM

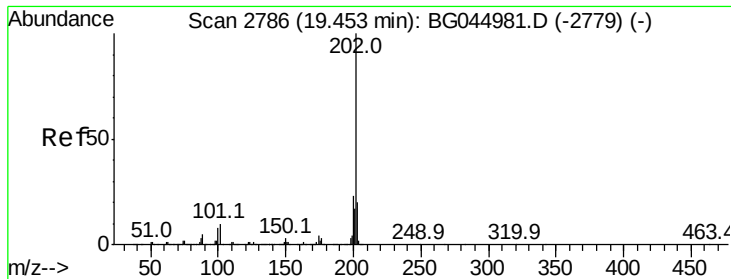
Tot Ion:200 Resp: 54
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#



#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

Tgt Ion:149 Resp: 1568
Ion Ratio Lower Upper
149 100
150 19.8 8.2 12.2#
104 19.9 4.8 7.2#





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

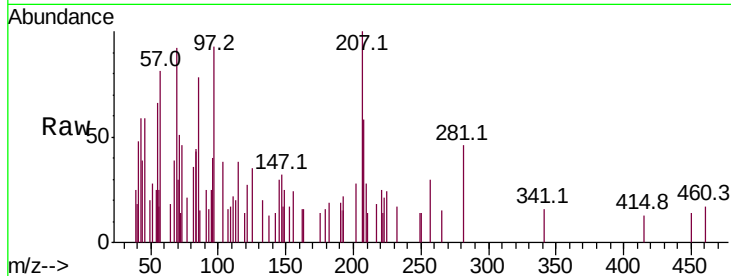
Tot Ion:202 Resp: 169

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

203 0.0 0.0 39.7

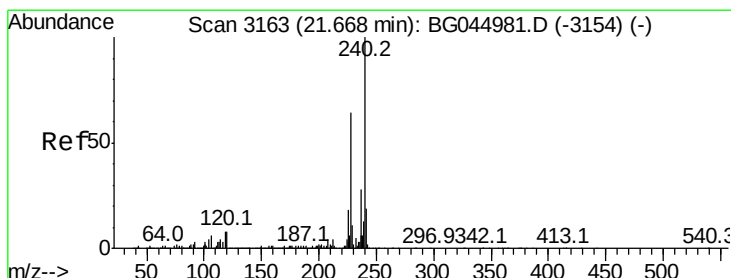
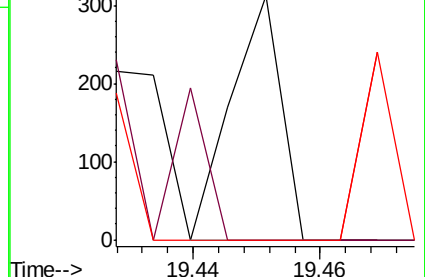
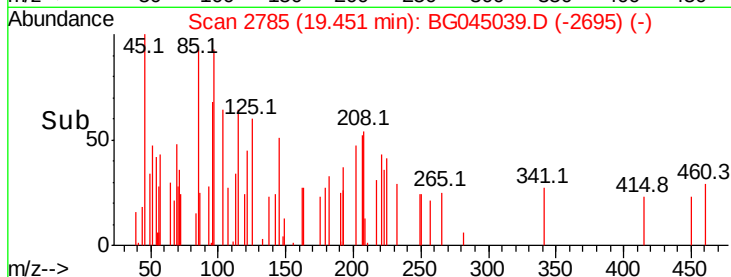


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.45



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

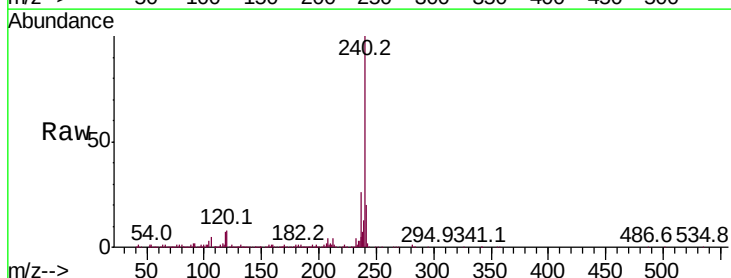
Tgt Ion:240 Resp: 495226

Ion Ratio Lower Upper

240 100

120 7.5 6.6 10.0

236 25.9 22.2 33.2

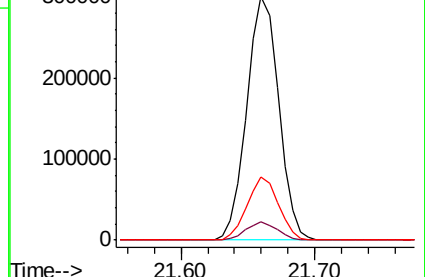
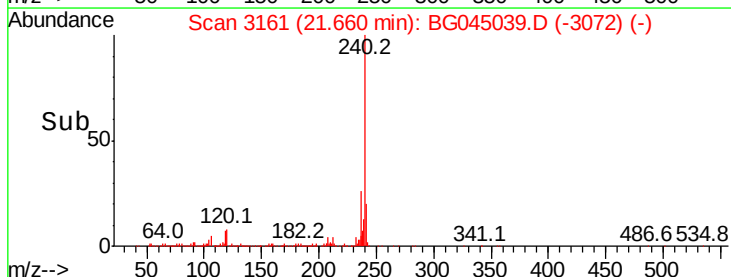


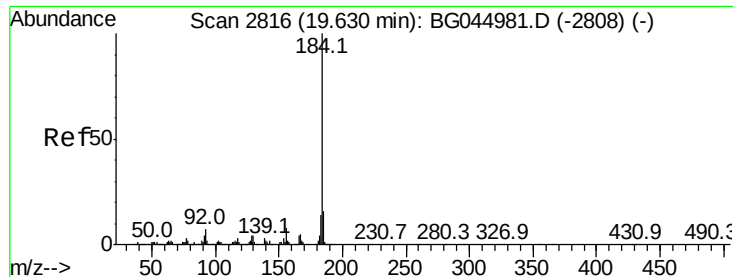
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.66





#77

Benzidine

Concen: Below Cal

RT: 20.02 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

Instrument :

BNA_G

ClientSampleId :

WATER-RECLAIM-SYSTEM-SEDIM

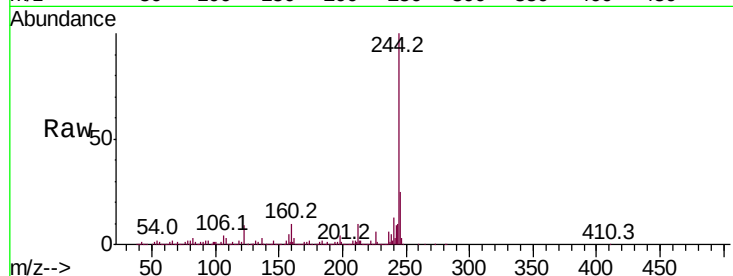
Tot Ion:184 Resp: 46783

Ion Ratio Lower Upper

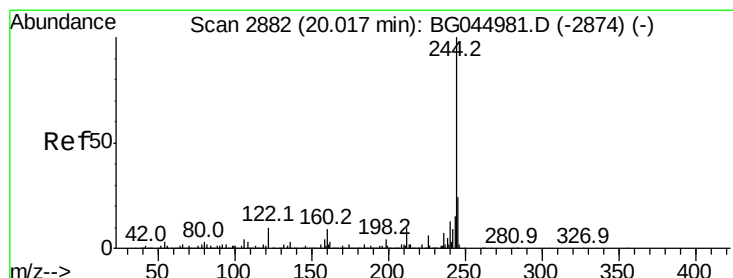
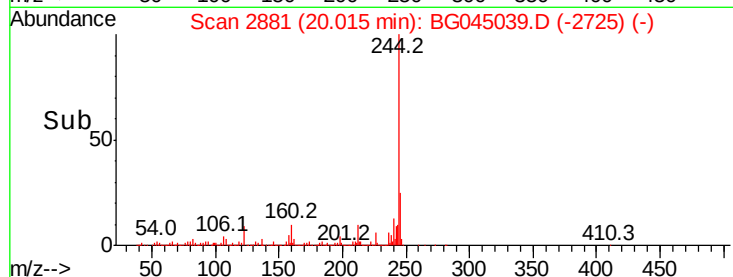
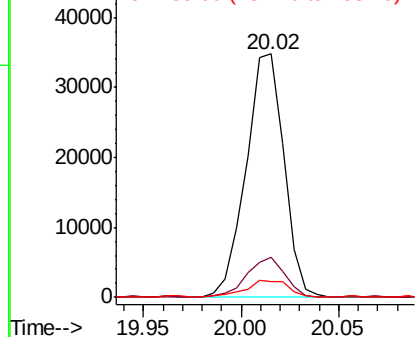
184 100

185 16.7 12.6 19.0

183 6.7 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: 101.177 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG045039.D

Acq: 17 Apr 2020 19:06

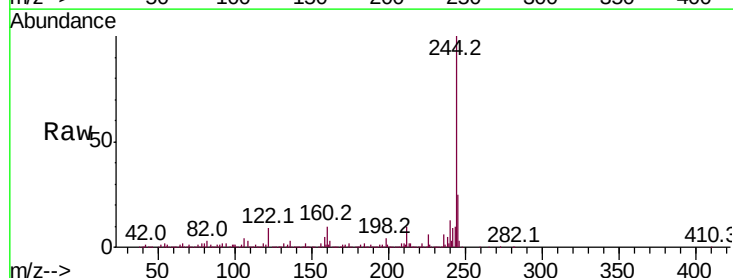
Tgt Ion:244 Resp: 2298872

Ion Ratio Lower Upper

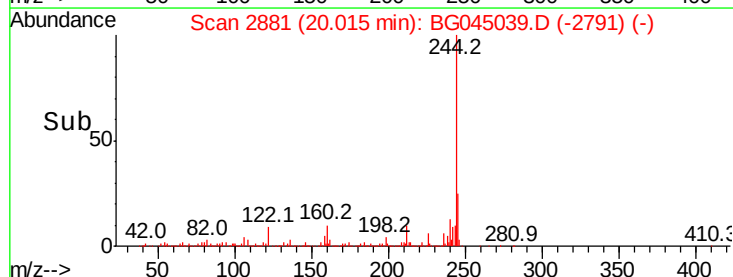
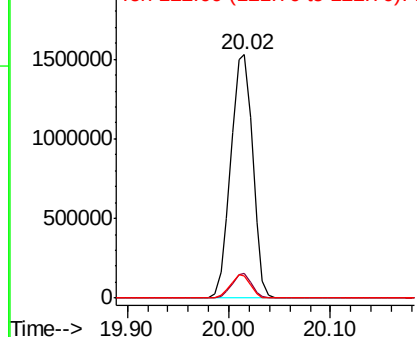
244 100

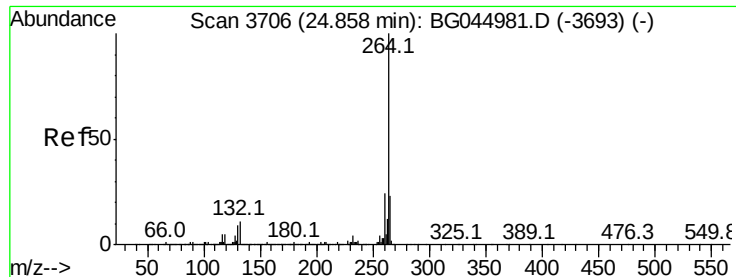
212 10.1 7.9 11.9

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# 3704
Delta R.T. -0.01 min
Lab File: BG045039.D
Acq: 17 Apr 2020 19:06

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	19.0	28.4

