

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG044996.D
 Acq On : 16 Apr 2020 00:16
 Operator : CG/JU
 Sample : L2252-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BUS-WASH-PIT

Quant Time: Apr 16 05:04:25 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	8.02	152	70052	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	296741	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	227446	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	575742	20.00	ng	0.00
76) Chrysene-d12	21.66	240	560448	20.00	ng	0.00
87) Perylene-d12	24.85	264	615987	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	508639	119.87	ng	0.00
7) Phenol-d6	7.18	99	720796	114.33	ng	0.00
23) Nitrobenzene-d5	9.18	82	626246	96.30	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	531874	151.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1522887	98.18	ng	0.00
79) Terphenyl-d14	20.01	244	2605699	101.33	ng	0.00

Target Compounds

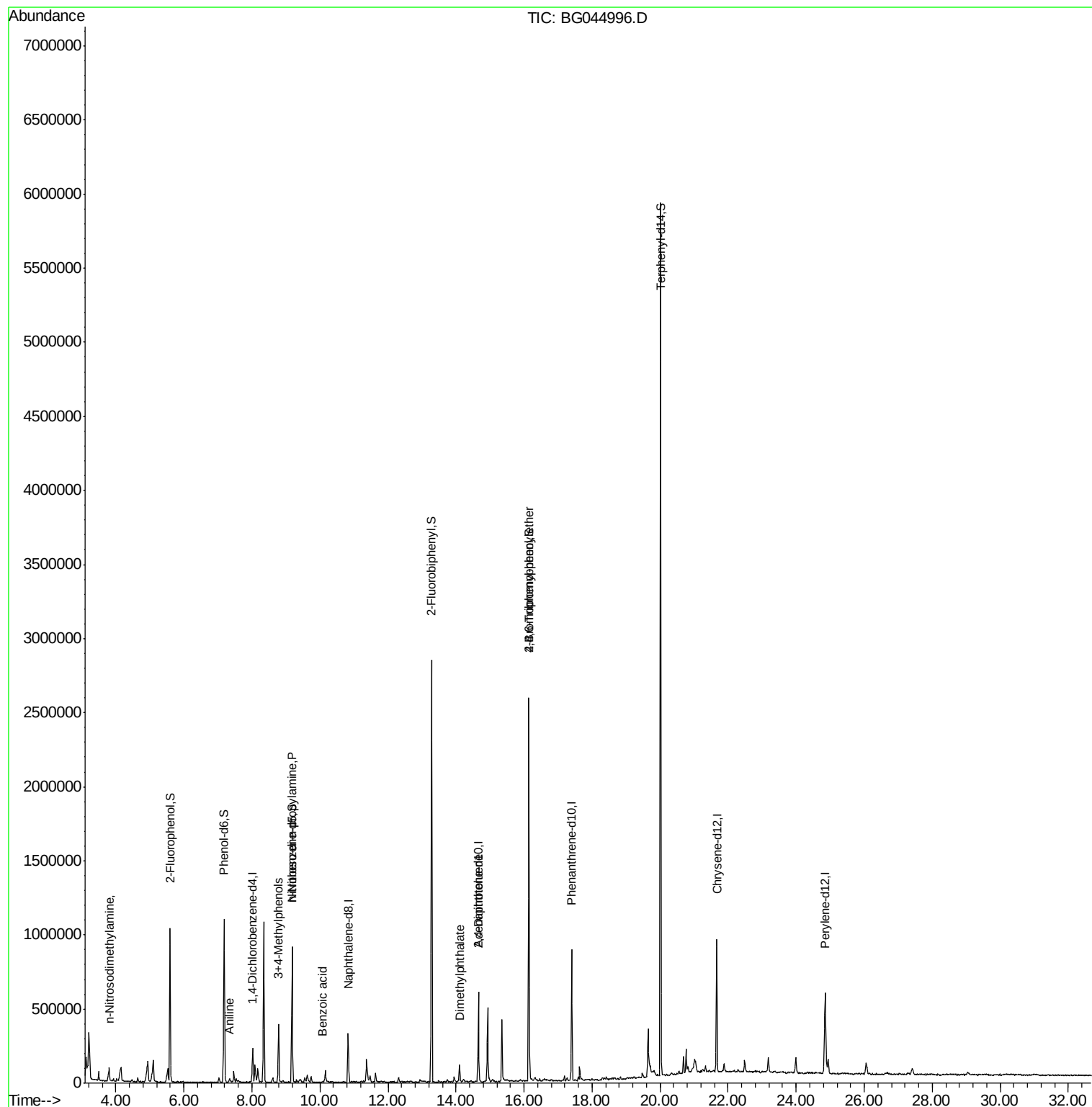
						Qvalue
4) n-Nitrosodimethylamine	3.80	42	8944	5.029	ng	# 1
6) Aniline	7.34	93	19615	2.393	ng	# 88
9) Benzaldehyde	7.18	77	2141	Below Cal		# 18
19) n-Nitroso-di-n-propylamine	9.18	70	85009	19.067	ng	# 80
20) 3+4-Methylphenols	8.79	107	189767	27.854	ng	# 91
32) Benzoic acid	10.09	122	4911	7.531	ng	# 87
50) Dimethylphthalate	14.10	163	76568	4.134	ng	# 96
57) 2,4-Dinitrotoluene	14.66	165	29485	4.871	ng	# 23
67) 4-Bromophenyl-phenylether	16.14	248	36470	4.910	ng	# 1
69) Atrazine	17.10	200	67	Below Cal		# 35
74) Di-n-butylphthalate	18.36	149	3349	Below Cal		# 94
75) Fluoranthene	19.37	202	65	Below Cal		# 62
77) Benzidine	20.01	184	53206	Below Cal		# 91

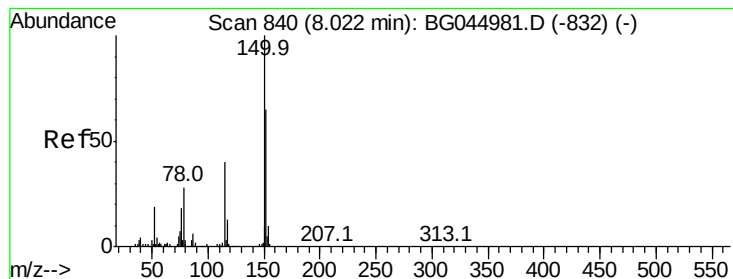
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

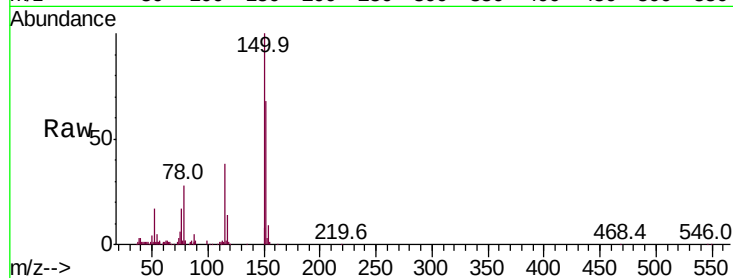
Tot Ion:152 Resp: 70052

Ion Ratio Lower Upper

152 100

150 147.9 123.6 185.4

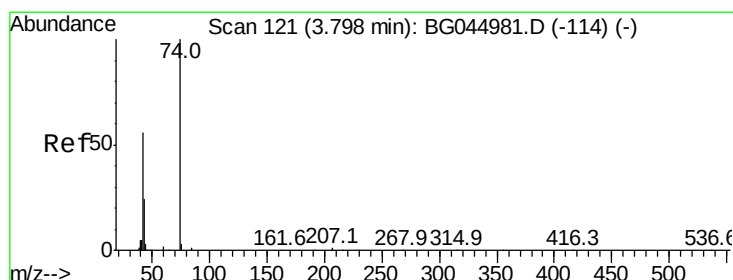
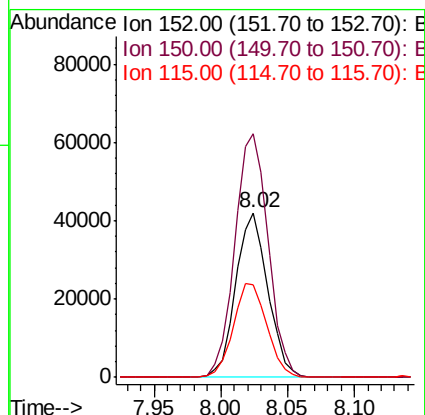
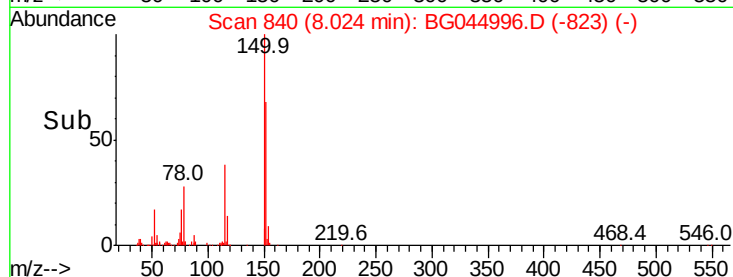
115 56.1 49.1 73.7



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: 5.029 ng

RT: 3.80 min Scan# 121

Delta R.T. 0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

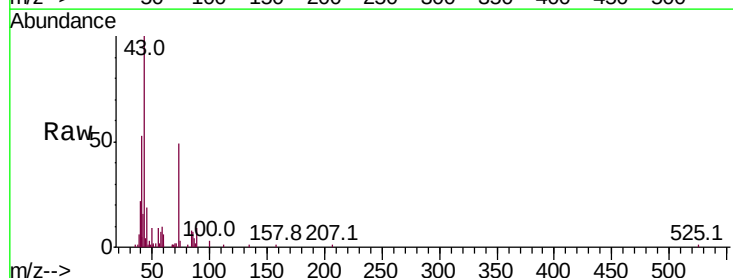
Tgt Ion: 42 Resp: 8944

Ion Ratio Lower Upper

42 100

74 17.3 143.0 214.6#

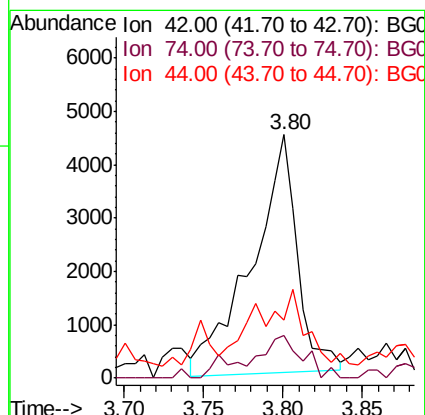
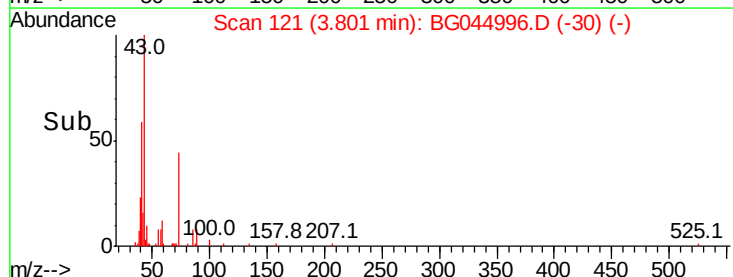
44 24.1 4.6 6.8#

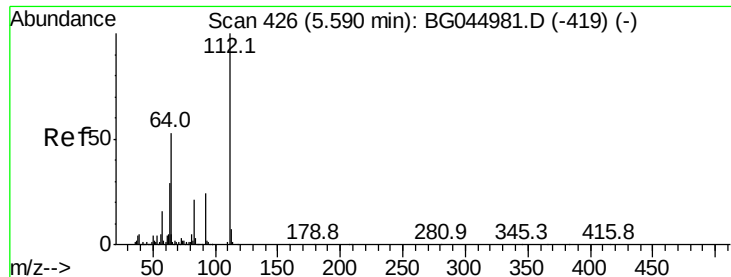


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 119.873 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

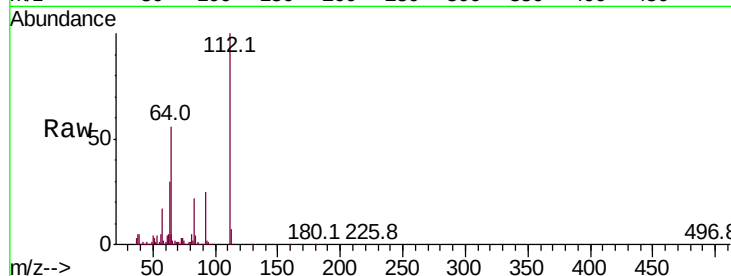
Tot Ion:112 Resp: 508639

Ion Ratio Lower Upper

112 100

64 56.4 42.4 63.6

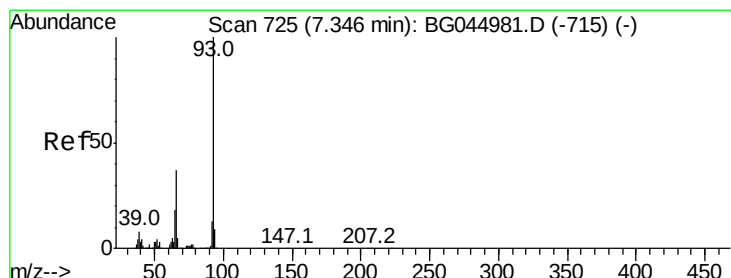
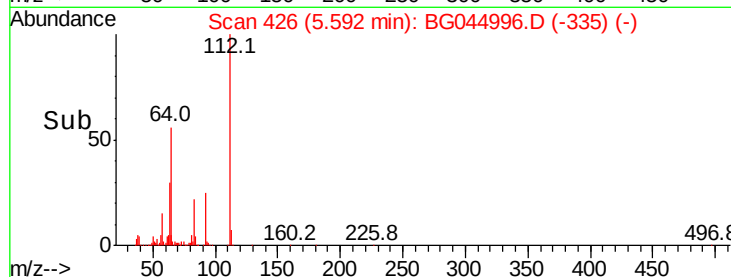
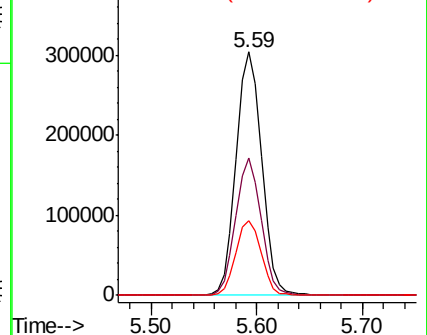
63 30.5 23.1 34.7



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



#6

Aniline

Concen: 2.393 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

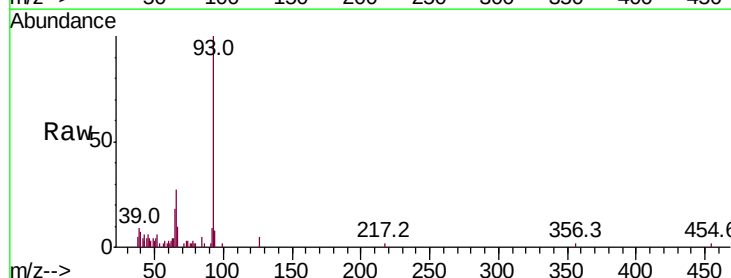
Tgt Ion: 93 Resp: 19615

Ion Ratio Lower Upper

93 100

66 26.8 29.8 44.8#

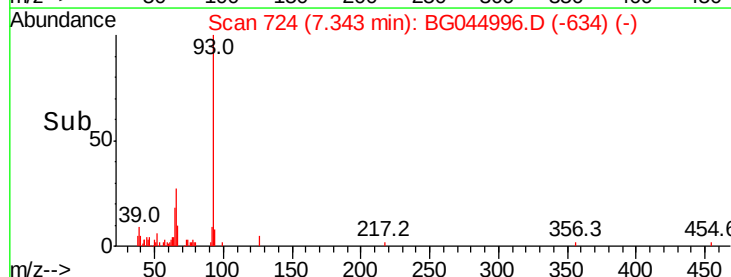
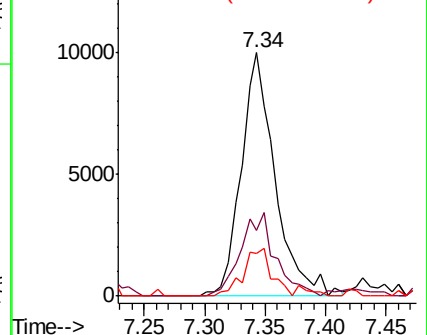
65 17.7 14.6 22.0

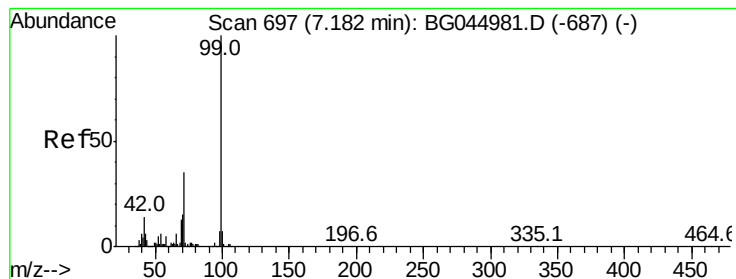


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 114.335 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

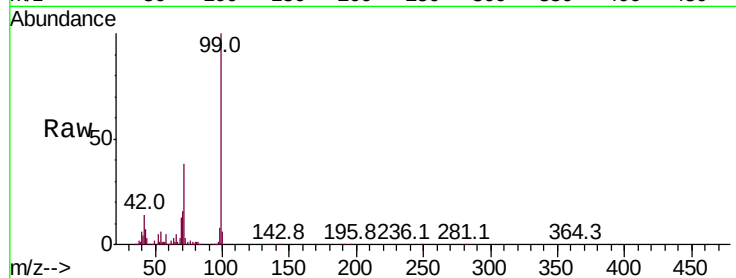
Tot Ion: 99 Resp: 720796

Ion Ratio Lower Upper

99 100

42 13.6 11.3 16.9

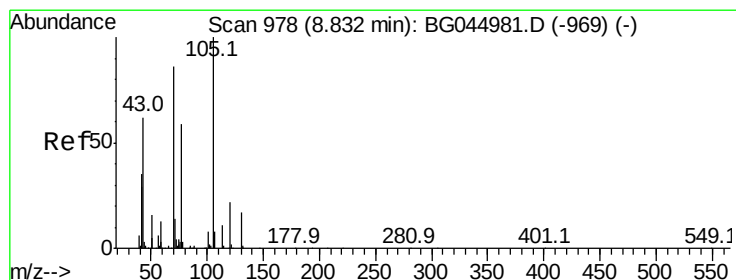
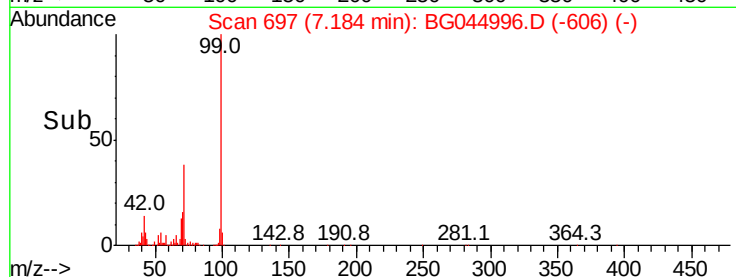
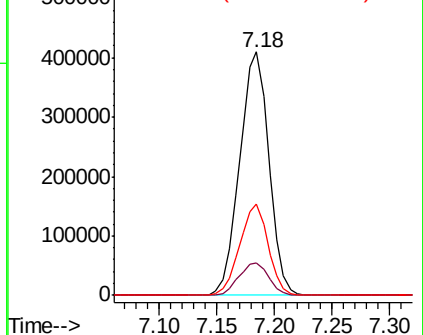
71 37.6 28.3 42.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.067 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Tgt Ion: 70 Resp: 85009

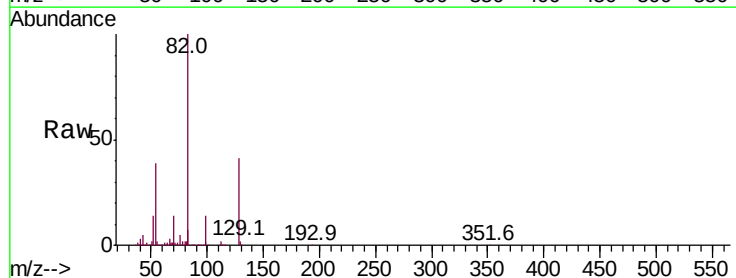
Ion Ratio Lower Upper

70 100

42 35.1 33.3 49.9

101 0.6 7.8 11.8#

130 2.1 15.8 23.6#

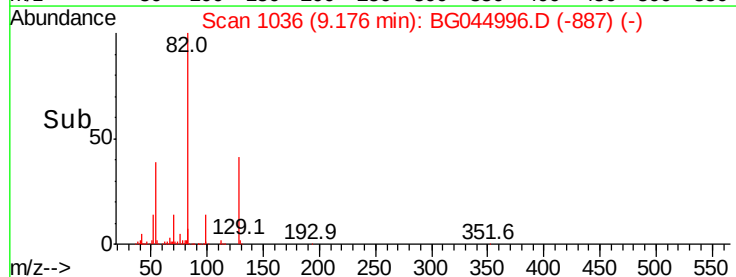
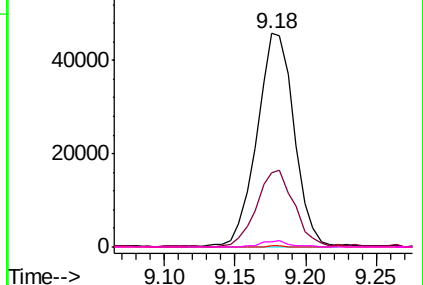


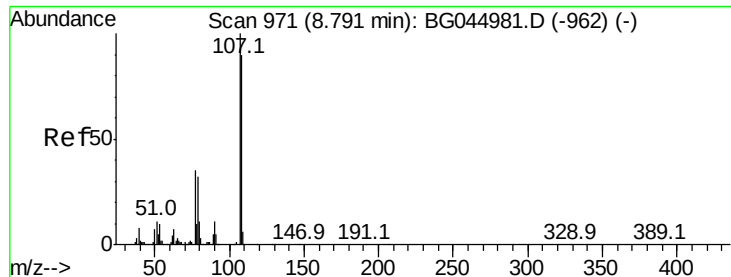
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#20

3+4-Methylphenols

Concen: 27.854 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

Tot Ion:107 Resp: 189767

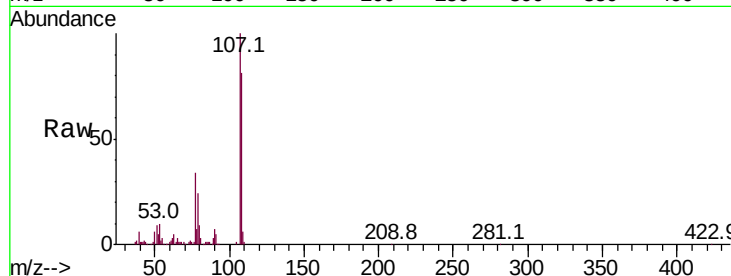
Ion Ratio Lower Upper

107 100

108 81.0 69.9 109.9

77 33.6 15.2 55.2

79 24.2 11.6 51.6

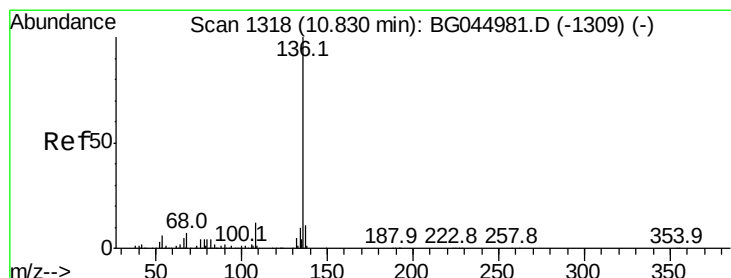
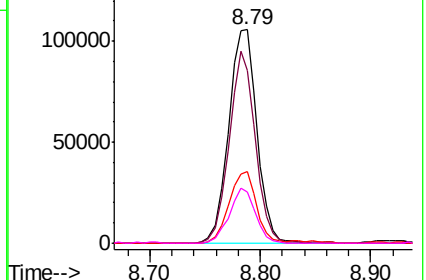
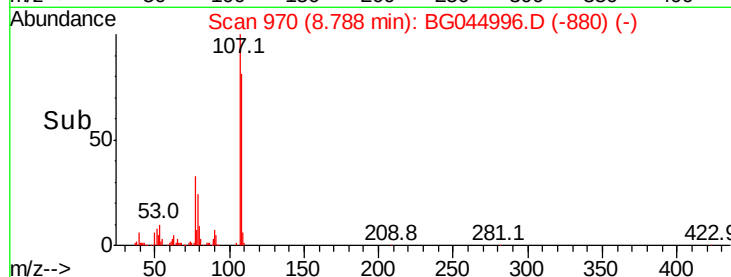


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Tgt Ion:136 Resp: 296741

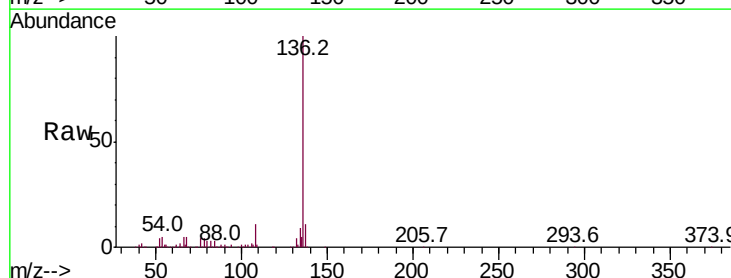
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 5.2 4.8 7.2

68 5.4 5.2 7.8

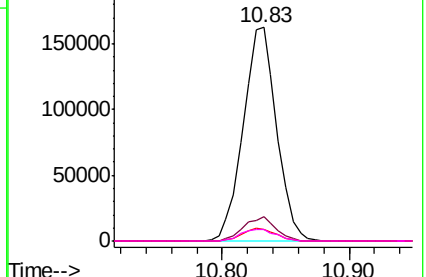
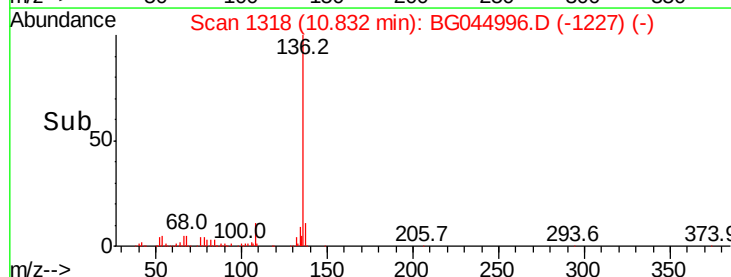


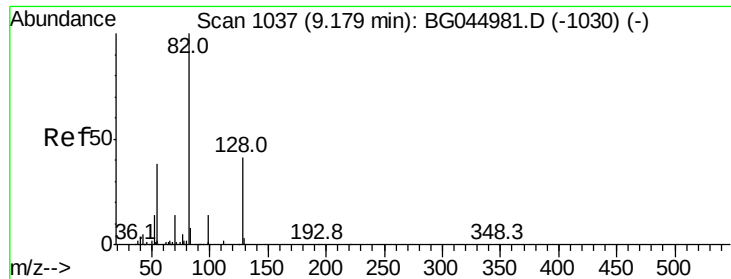
Abundance Ion 136.00 (135.70 to 136.70): E

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

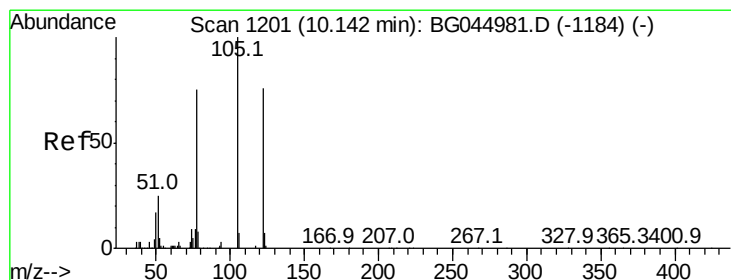
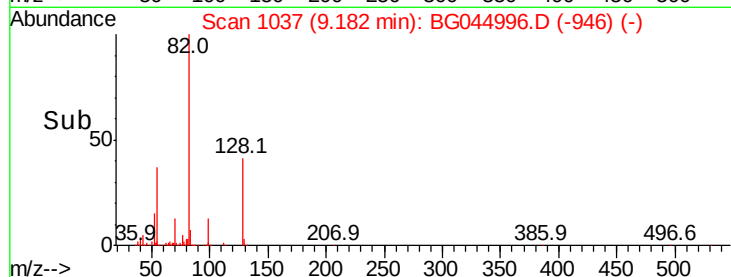
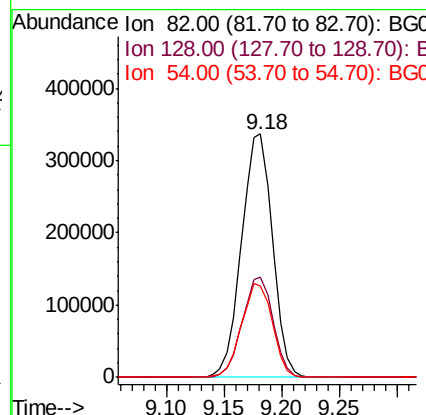
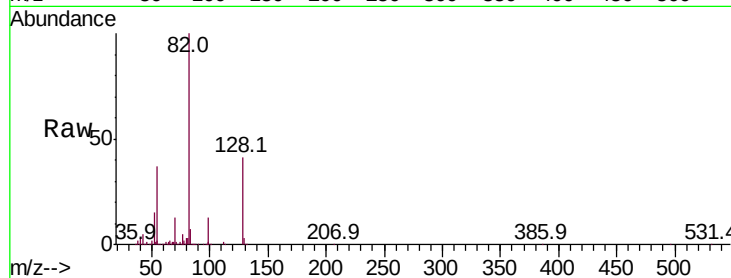




#23
 Nitrobenzene-d5
 Concen: 96.296 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BG044996.D
 Acq: 16 Apr 2020 00:16

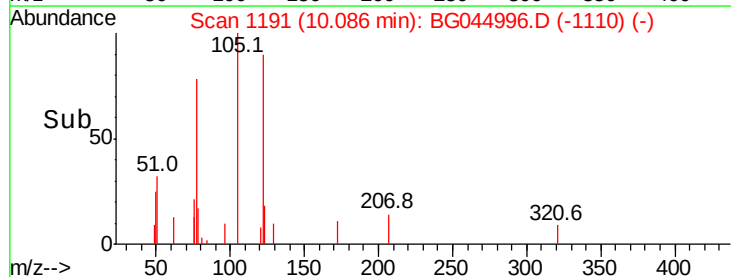
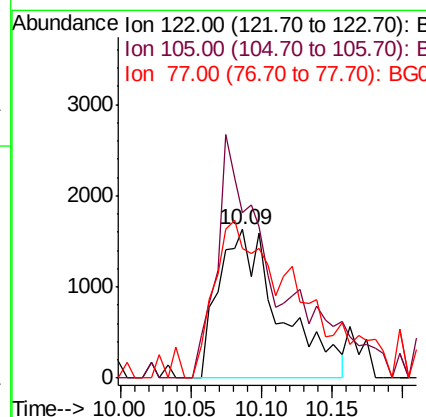
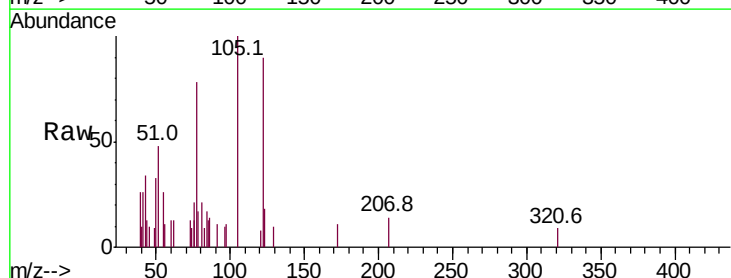
Instrument :
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 BUS-WASH-PIT

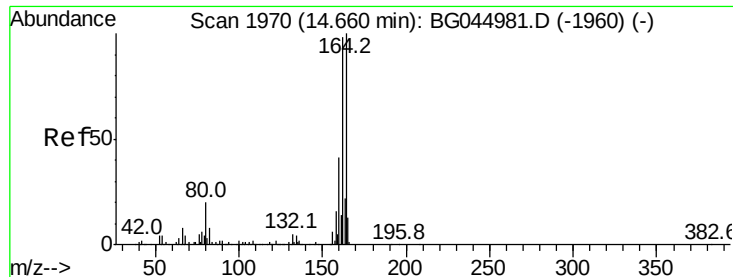
Tot Ion	82	Resp	626246
Ion Ratio	100	Lower	Upper
128	41.4	33.0	49.4
54	37.5	30.4	45.6



#32
 Benzoic acid
 Concen: 7.531 ng
 RT: 10.09 min Scan# 1191
 Delta R.T. -0.06 min
 Lab File: BG044996.D
 Acq: 16 Apr 2020 00:16

Tgt Ion	122	Resp	4911
Ion Ratio	100	Lower	Upper
105	111.7	108.4	148.4
77	87.4	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: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

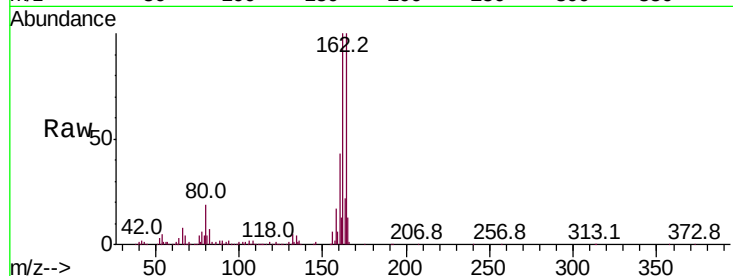
Tot Ion:164 Resp: 227446

Ion Ratio Lower Upper

164 100

162 100.3 78.7 118.1

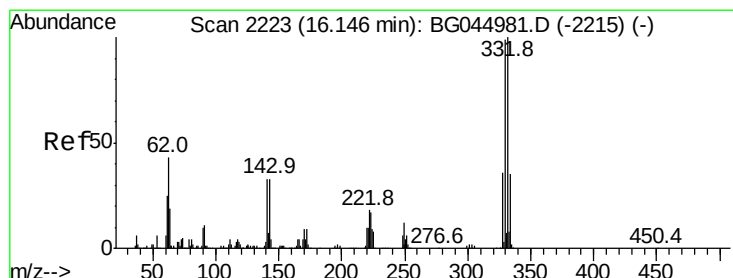
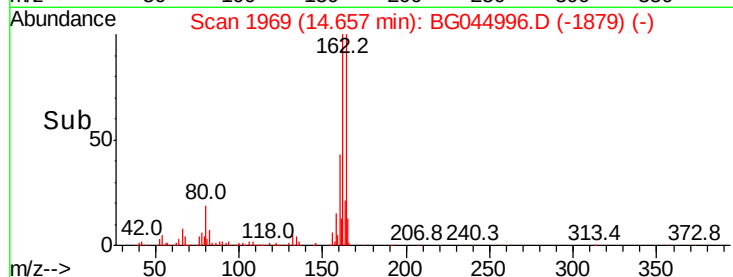
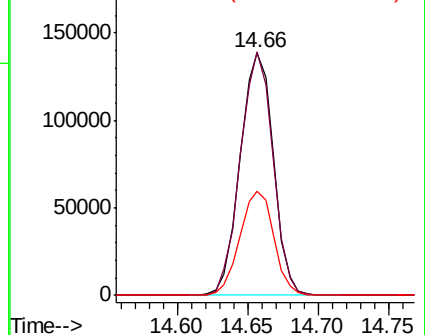
160 43.1 32.8 49.2



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: 151.370 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

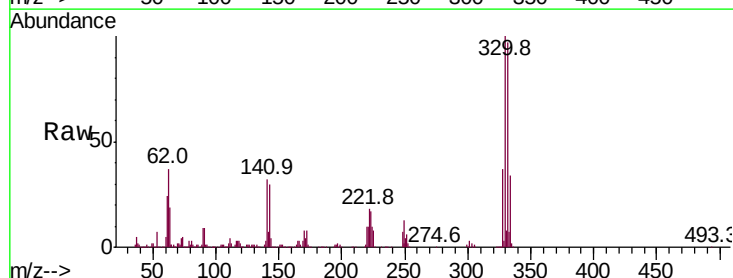
Tgt Ion:330 Resp: 531874

Ion Ratio Lower Upper

330 100

332 98.1 79.1 118.7

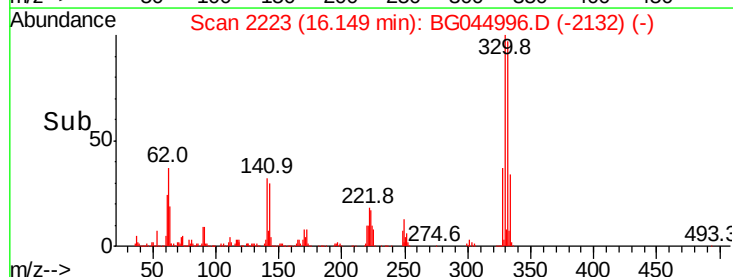
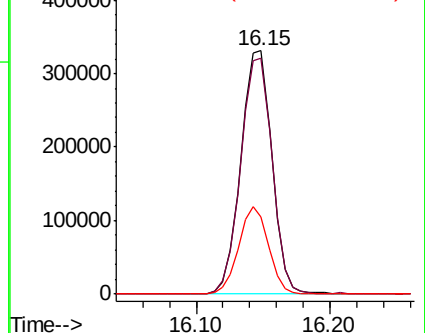
141 34.7 27.1 40.7

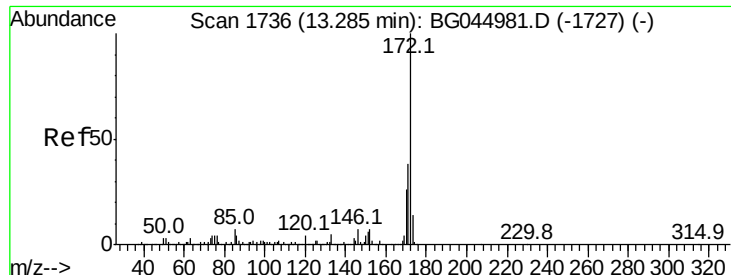


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

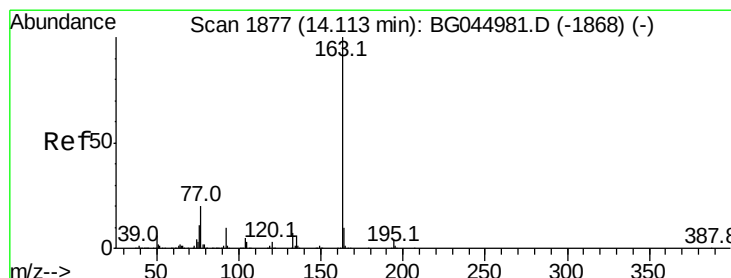
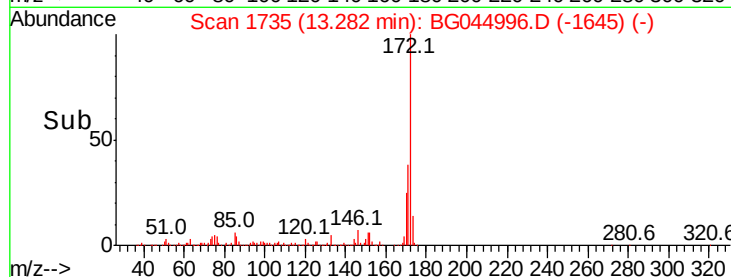
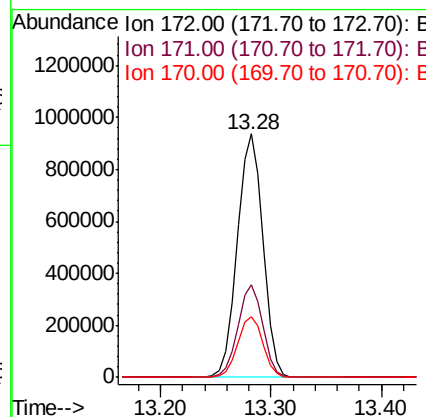
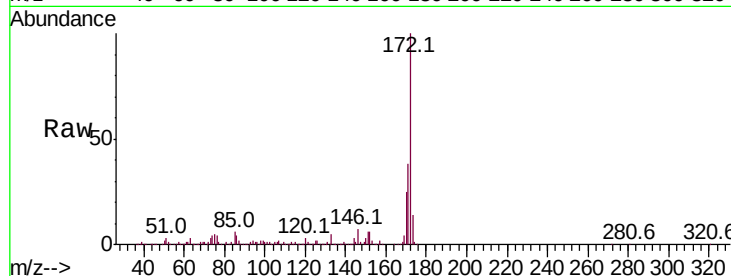




#45
2-Fluorobiphenyl
Concen: 98.179 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG044996.D
Acq: 16 Apr 2020 00:16

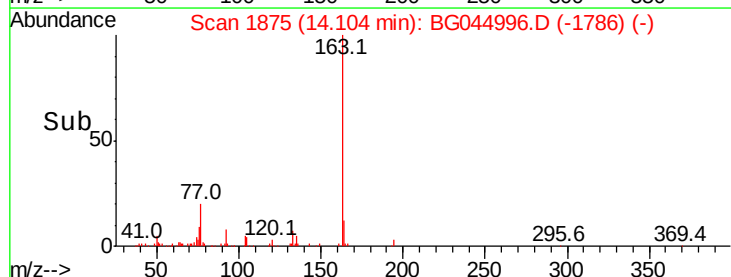
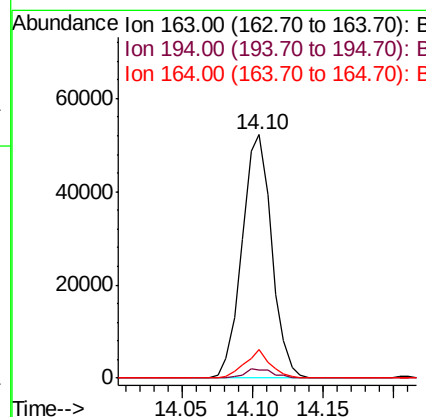
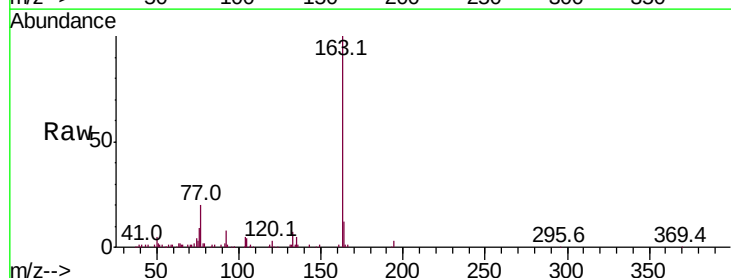
Instrument :
BNA_G
ClientSampleId :
BUS-WASH-PIT

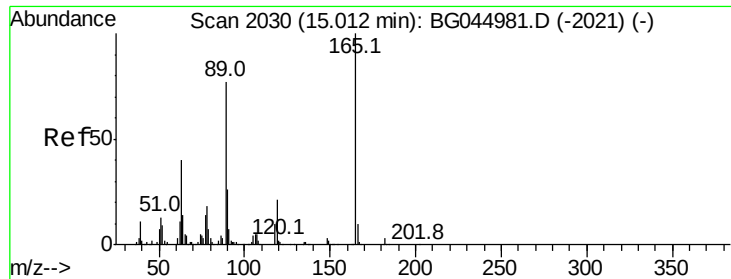
Tot Ion:172 Resp: 1522887
Ion Ratio Lower Upper
172 100
171 38.2 30.6 46.0
170 24.8 20.5 30.7



#50
Dimethylphthalate
Concen: 4.134 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG044996.D
Acq: 16 Apr 2020 00:16

Tgt Ion:163 Resp: 76568
Ion Ratio Lower Upper
163 100
194 3.1 3.5 5.3#
164 12.0 8.2 12.4

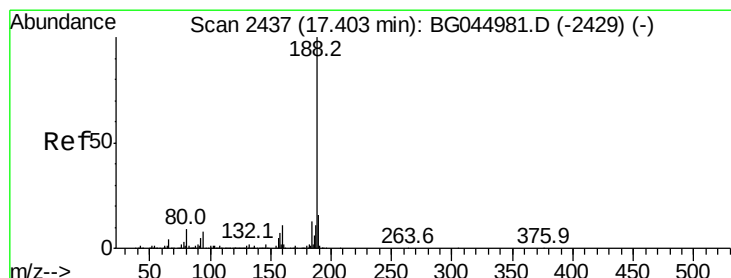
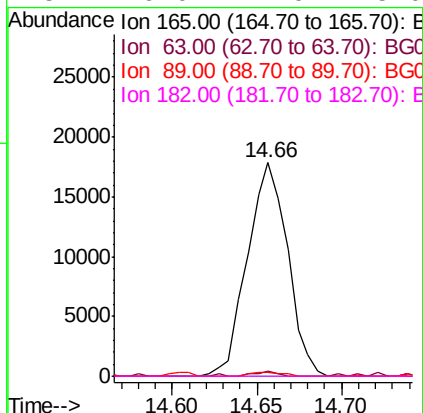
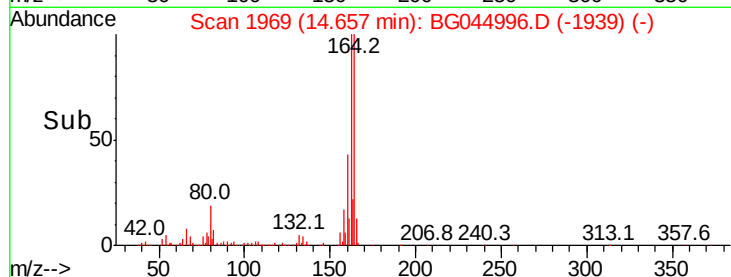
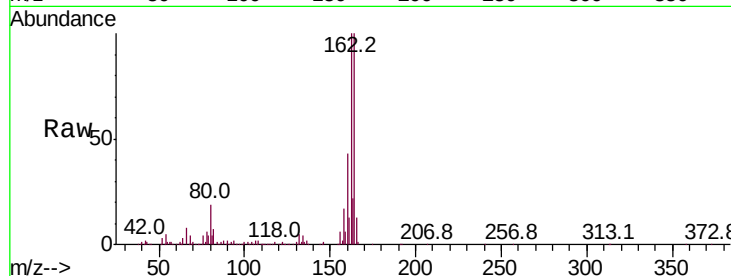




#57
 2,4-Dinitrotoluene
 Concen: 4.871 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG044996.D
 Acq: 16 Apr 2020 00:16

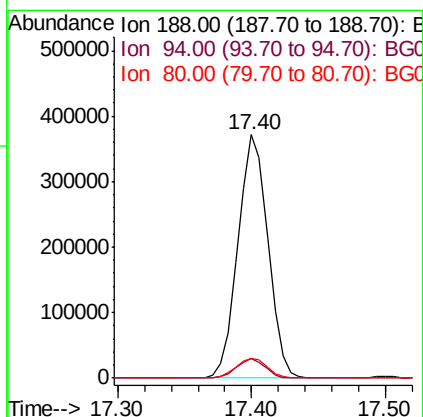
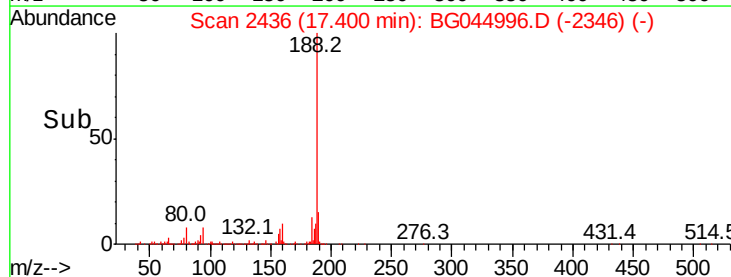
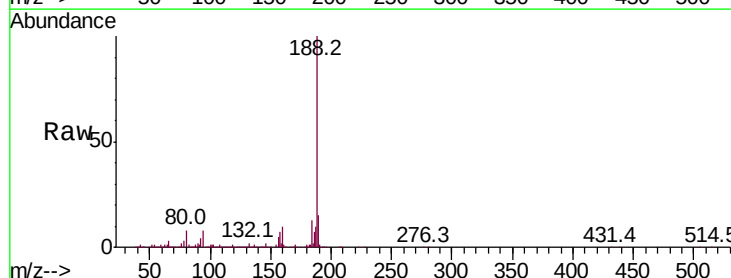
Instrument :
 BNA_G
 ClientSampleId :
 BUS-WASH-PIT

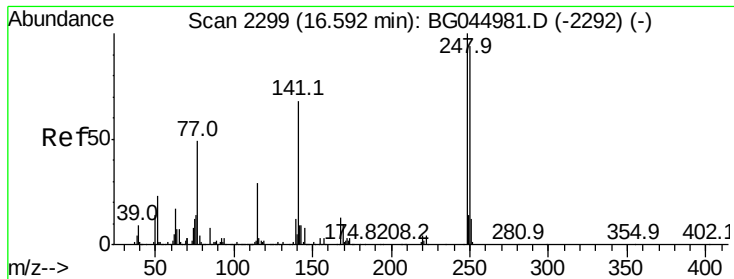
Tot Ion:165 Resp: 29485
 Ion Ratio Lower Upper
 165 100
 63 2.3 32.2 48.2#
 89 1.6 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG044996.D
 Acq: 16 Apr 2020 00:16

Tgt Ion:188 Resp: 575742
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.2 9.4
 80 8.1 7.0 10.6





#67

4-Bromophenyl-phenylether

Concen: 4.910 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

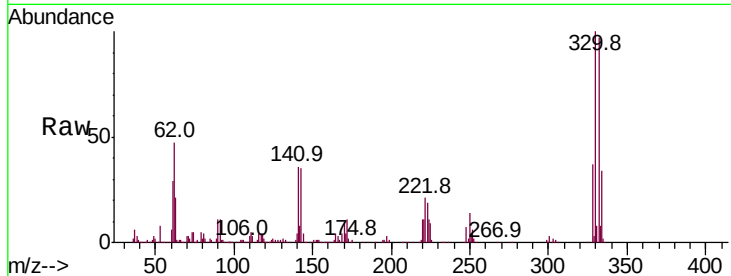
Tot Ion:248 Resp: 36470

Ion Ratio Lower Upper

248 100

250 209.1 75.4 113.2#

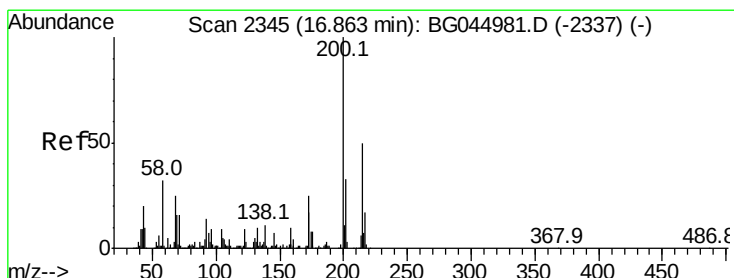
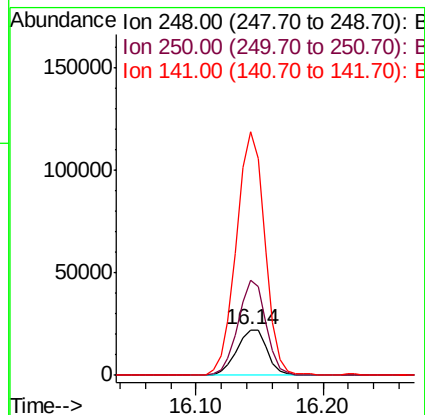
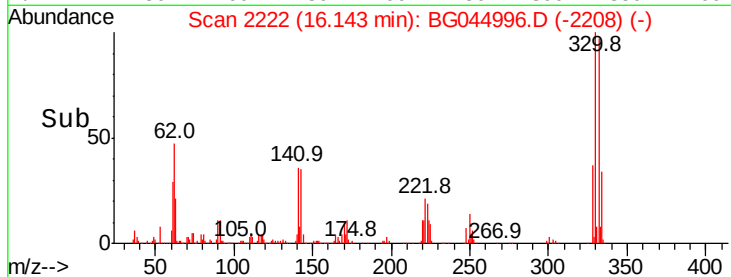
141 533.0 54.4 81.6#



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: 17.10 min Scan# 2385

Delta R.T. 0.24 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

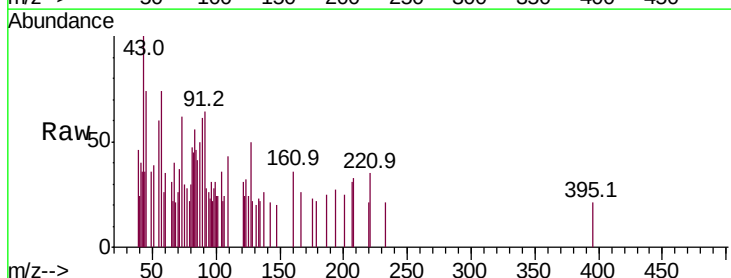
Tgt Ion:200 Resp: 67

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

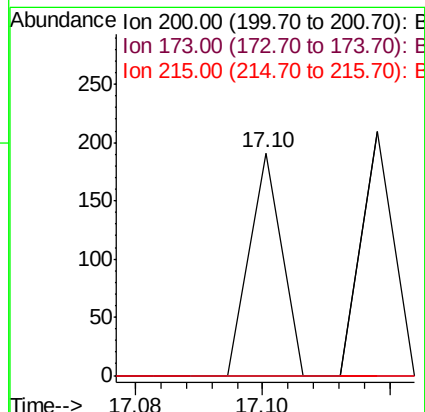
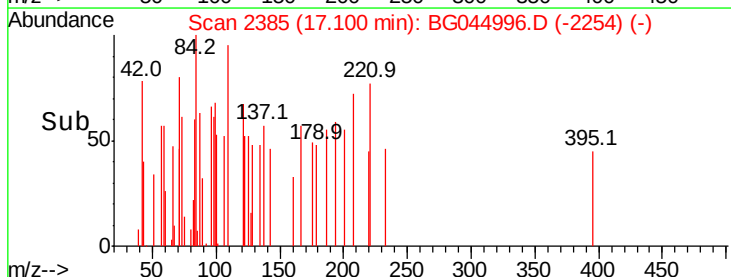
215 0.0 30.0 70.0#

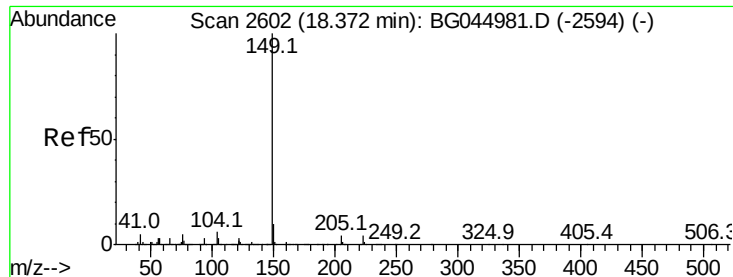


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

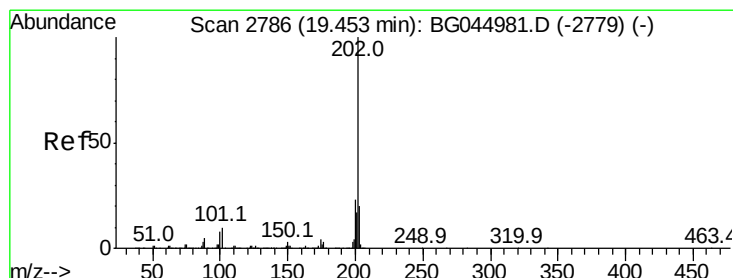
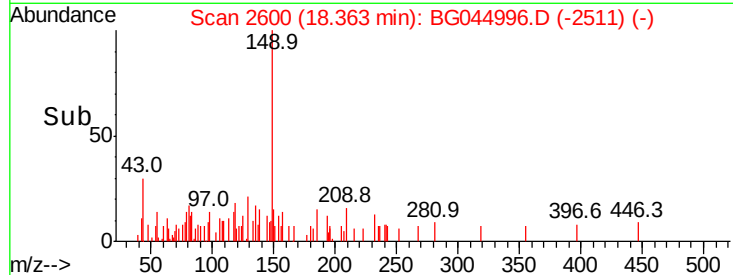
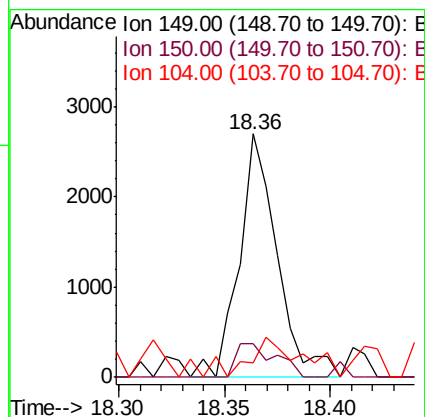
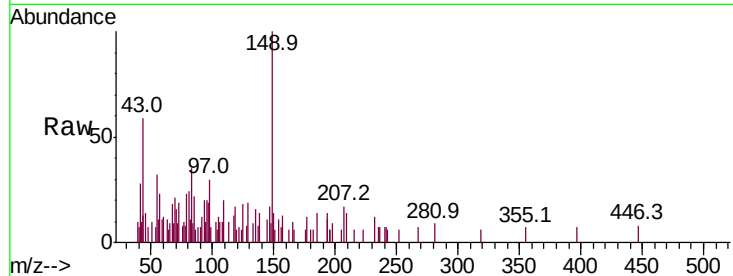




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BG044996.D
Acq: 16 Apr 2020 00:16

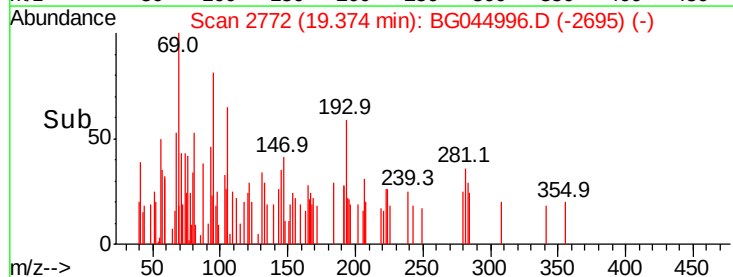
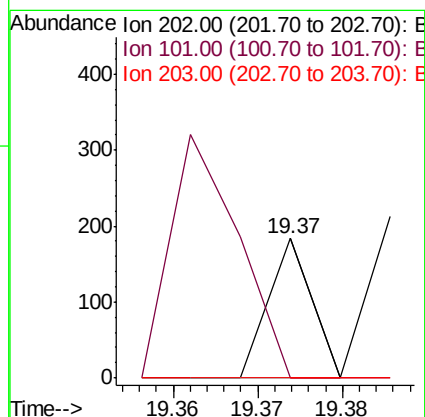
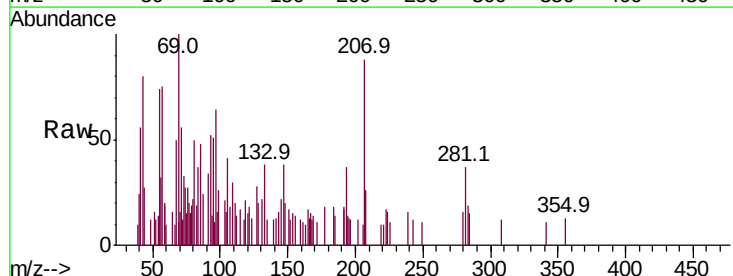
Instrument :
BNA_G
ClientSampleId :
BUS-WASH-PIT

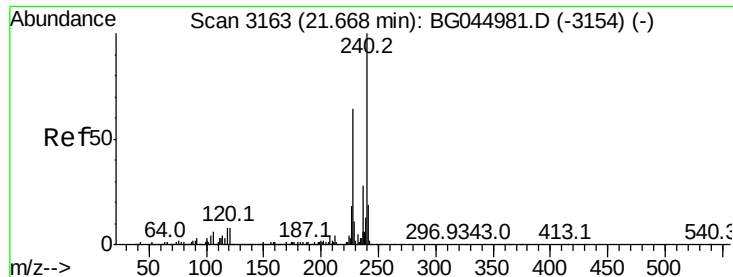
Tot Ion:149 Resp: 3349
Ion Ratio Lower Upper
149 100
150 13.8 8.2 12.2#
104 6.2 4.8 7.2



#75
Fluoranthene
Concen: Below Cal
RT: 19.37 min Scan# 2772
Delta R.T. -0.08 min
Lab File: BG044996.D
Acq: 16 Apr 2020 00:16

Tgt Ion:202 Resp: 65
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: BG044996.D

Acq: 16 Apr 2020 00:16

Instrument :

BNA_G

ClientSampleId :

BUS-WASH-PIT

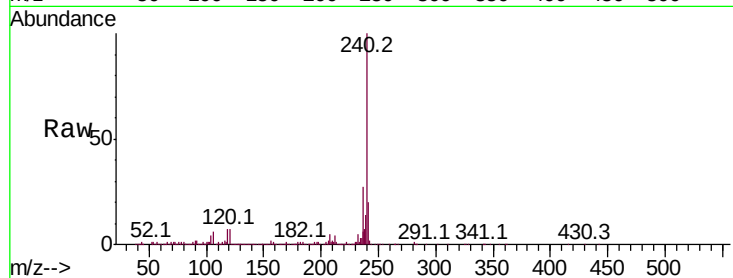
Tot Ion:240 Resp: 560448

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

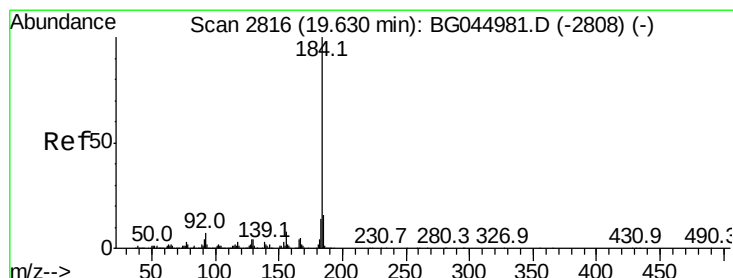
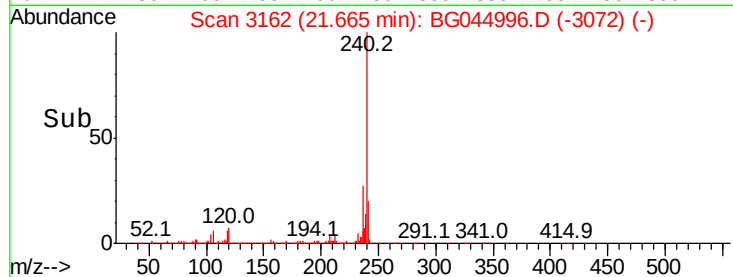
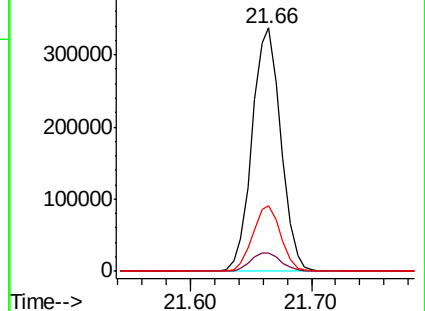
236 27.2 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG044996.D

Acq: 16 Apr 2020 00:16

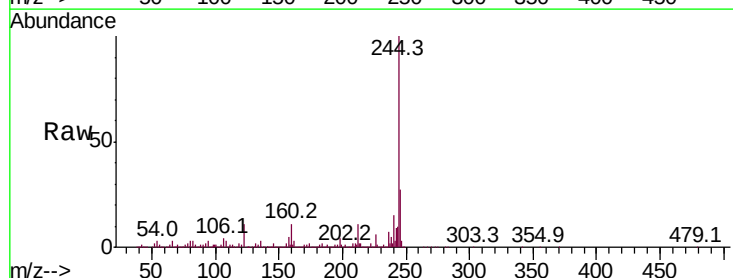
Tgt Ion:184 Resp: 53206

Ion Ratio Lower Upper

184 100

185 16.1 12.6 19.0

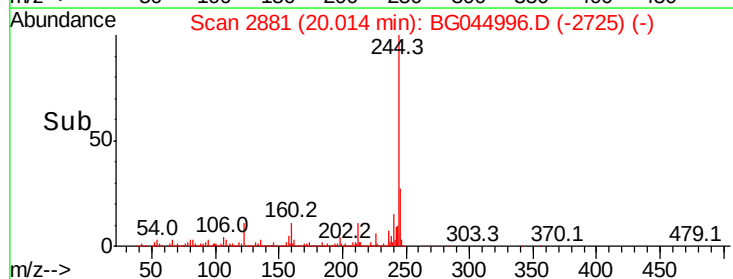
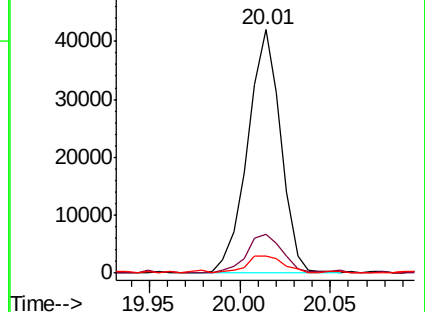
183 6.9 11.3 16.9#

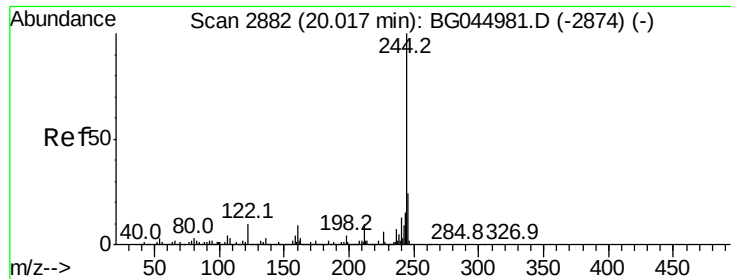


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



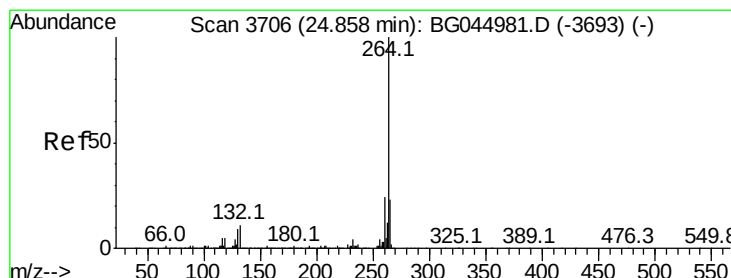
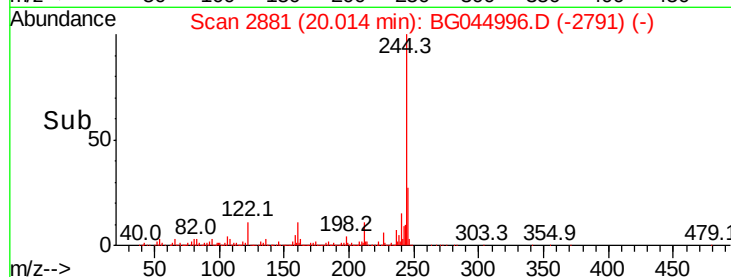
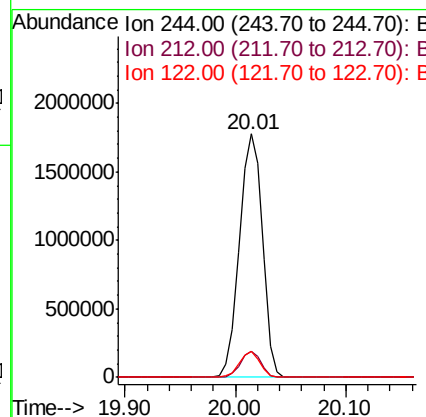
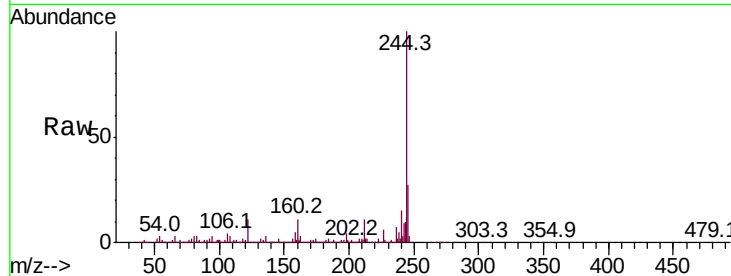


#79
 Terphenyl-d14
 Concen: 101.335 ng
 RT: 20.01 min Scan# 2881
 Delta R.T. -0.00 min
 Lab File: BG044996.D
 Acq: 16 Apr 2020 00:16

Instrument :
 BNA_G
 ClientSampleId :
 BUS-WASH-PIT

Tot Ion:244 Resp: 2605699

Ion	Ratio	Lower	Upper
244	100		
212	10.9	7.9	11.9
122	10.8	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3705
 Delta R.T. -0.00 min
 Lab File: BG044996.D
 Acq: 16 Apr 2020 00:16

Tgt Ion:264 Resp: 615987

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.9	19.0	28.4

