

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG045002.D
 Acq On : 16 Apr 2020 4:14
 Operator : CG/JU
 Sample : L2278-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BUS-WASH

Quant Time: Apr 16 05:05:46 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	68617	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	302380	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	232531	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	578745	20.00	ng	0.00
76) Chrysene-d12	21.66	240	556841	20.00	ng	0.00
87) Perylene-d12	24.85	264	600902	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	569288	136.97	ng	0.00
7) Phenol-d6	7.18	99	847109	137.18	ng	0.00
23) Nitrobenzene-d5	9.18	82	644879	97.31	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	593678	165.26	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1552203	97.88	ng	0.00
79) Terphenyl-d14	20.01	244	2655450	103.94	ng	0.00

Target Compounds

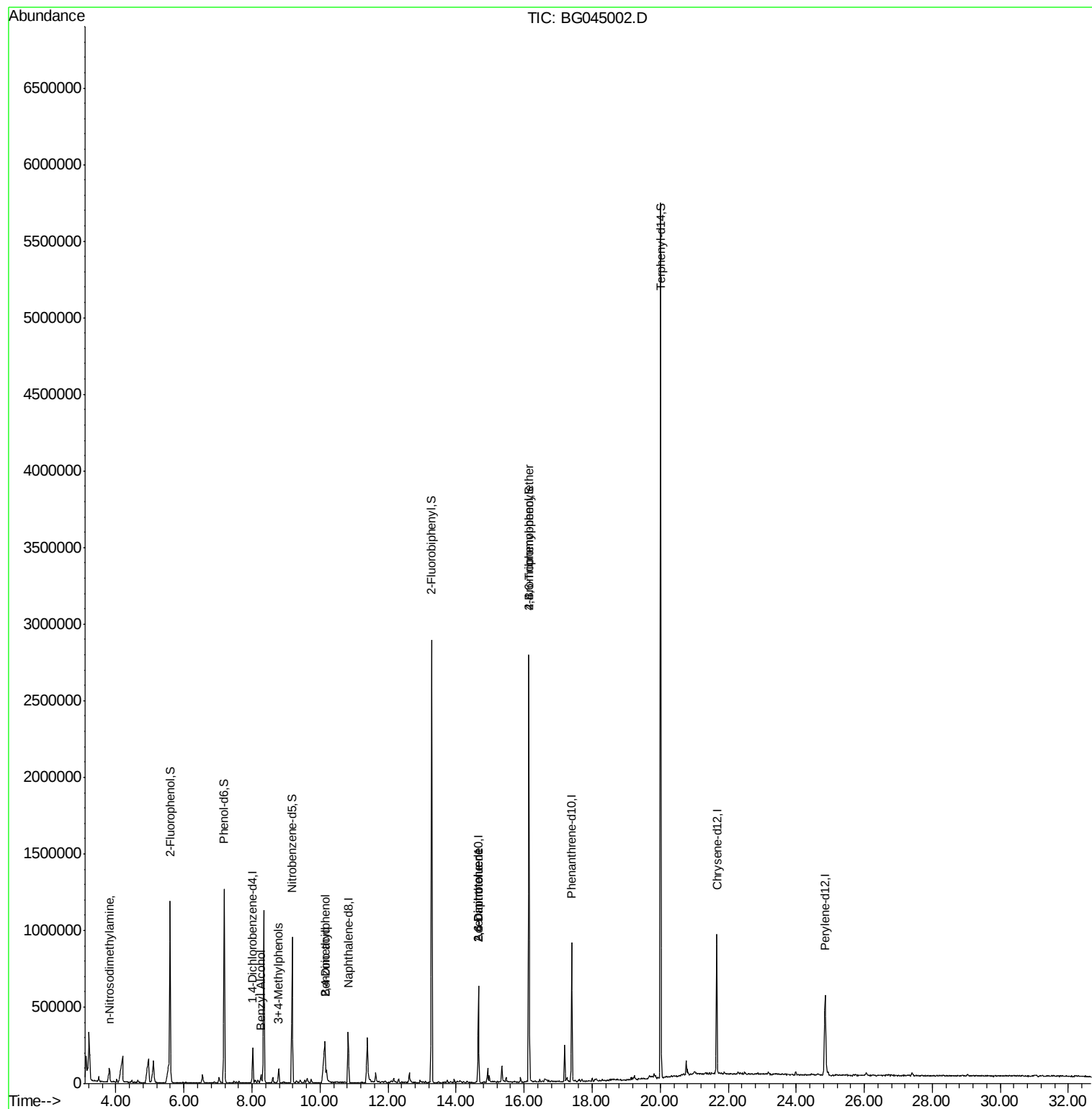
						Qvalue
4) n-Nitrosodimethylamine	3.80	42	10134	5.817	ng	# 1
9) Benzaldehyde	7.18	77	2350	Below Cal		# 14
15) Benzyl Alcohol	8.25	79	20541	3.968	ng	94
20) 3+4-Methylphenols	8.79	107	45003	6.744	ng	89
27) 2,4-Dimethylphenol	10.15	122	216992	46.738	ng	# 3
32) Benzoic acid	10.15	122	216992	56.547	ng	99
51) 2,6-Dinitrotoluene	14.66	165	32230	7.611	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	32230	5.208	ng	# 23
67) 4-Bromophenyl-phenylether	16.14	248	42514	5.694	ng	# 1
69) Atrazine	16.85	200	73	Below Cal		# 35
74) Di-n-butylphthalate	18.37	149	1449	Below Cal		# 76
75) Fluoranthene	19.21	202	65	Below Cal		62
77) Benzidine	20.01	184	54415	Below Cal		# 89

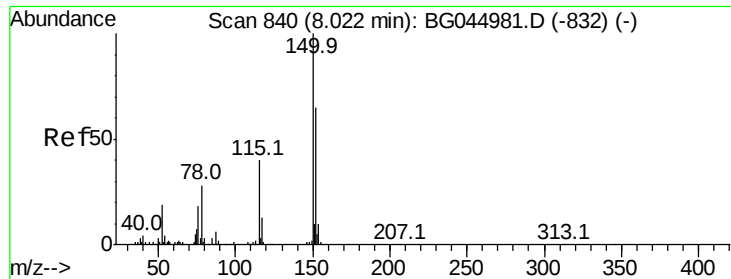
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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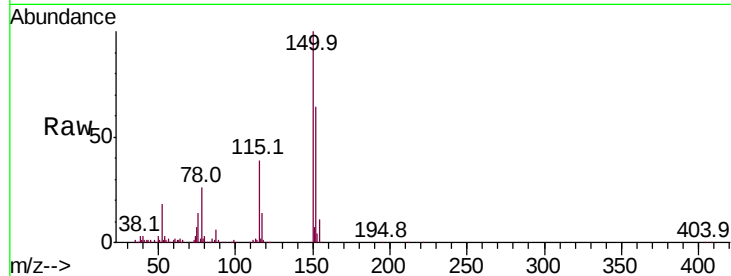


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Instrument :
BNA_G
ClientSampleId :
BUS-WASH

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.6	185.4
115	60.3	49.1	73.7

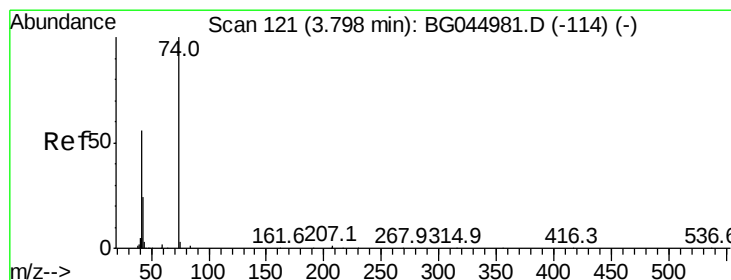
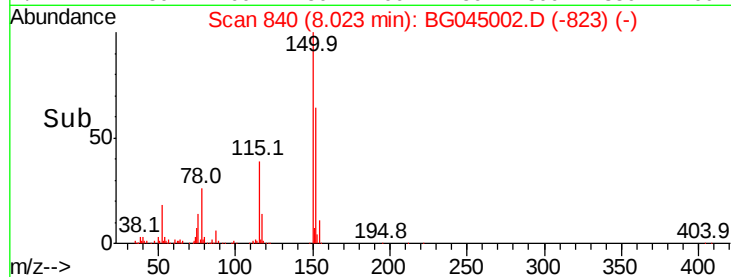
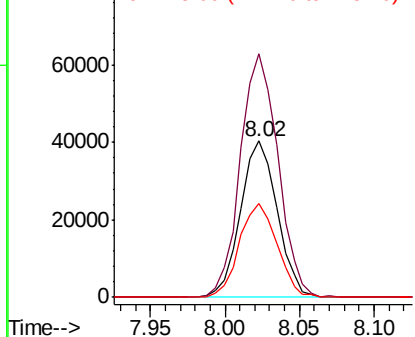


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

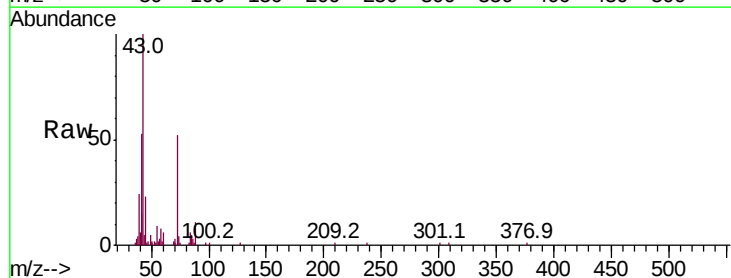
Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine
Concen: 5.817 ng
RT: 3.80 min Scan# 122
Delta R.T. 0.01 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Tgt Ion	Ratio	Lower	Upper
42	100		
74	23.9	143.0	214.6#
44	35.2	4.6	6.8#

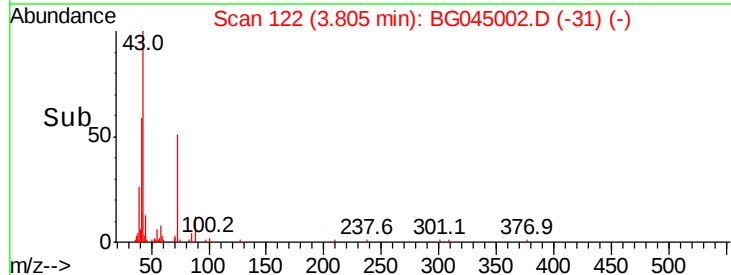
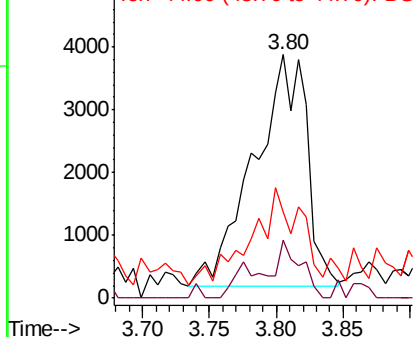


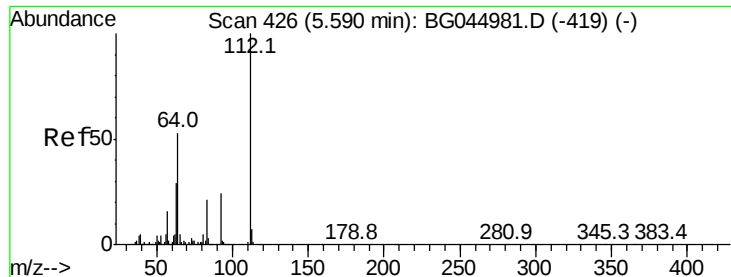
Abundance

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: 136.972 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

Instrument :

BNA_G

ClientSampleId :

BUS-WASH

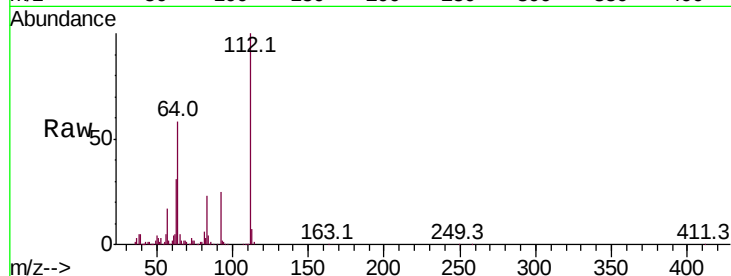
Tot Ion:112 Resp: 569288

Ion Ratio Lower Upper

112 100

64 58.4 42.4 63.6

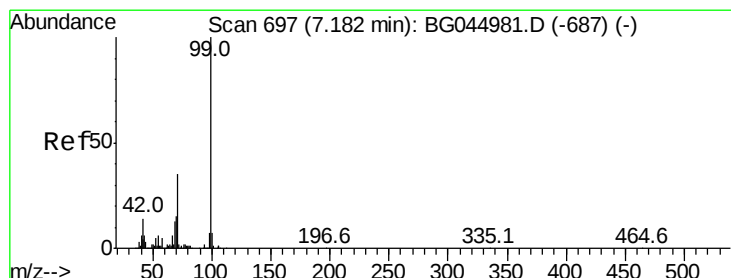
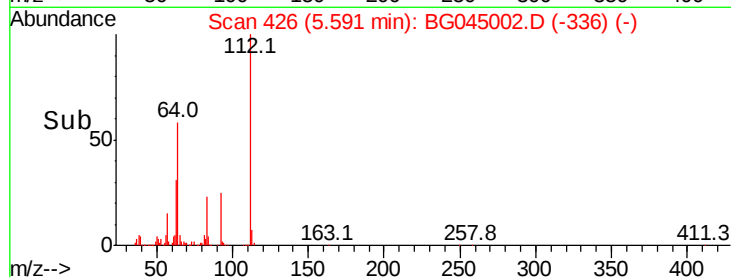
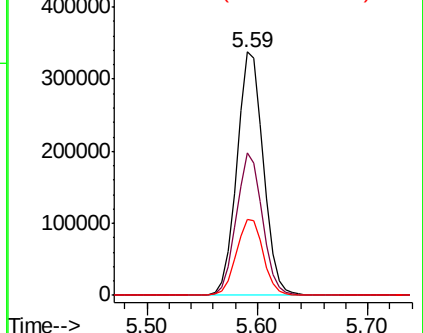
63 31.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 137.181 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

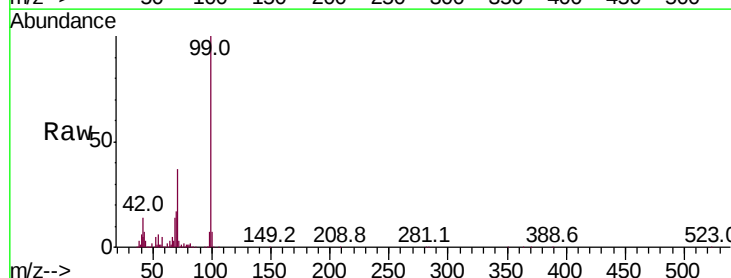
Tgt Ion: 99 Resp: 847109

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

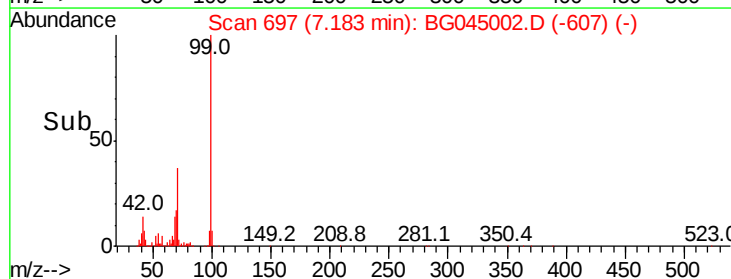
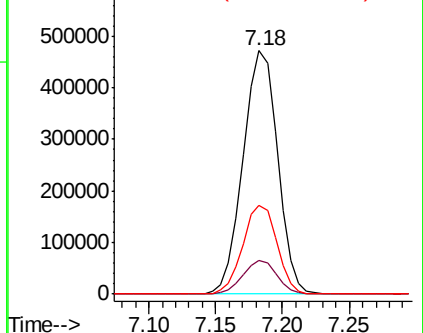
71 36.5 28.3 42.5

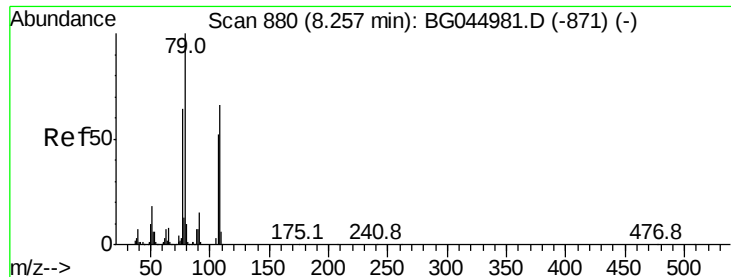


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 3.968 ng

RT: 8.25 min Scan# 879

Delta R.T. -0.00 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

Instrument :

BNA_G

ClientSampleId :

BUS-WASH

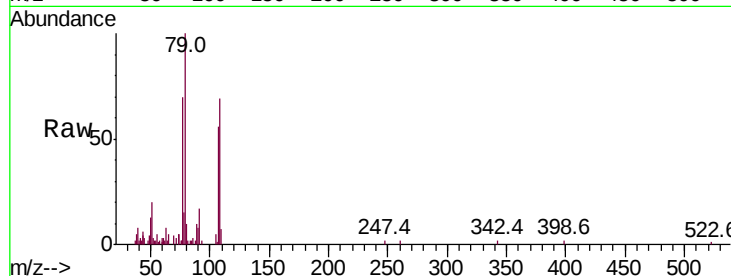
Tot Ion: 79 Resp: 20541

Ion Ratio Lower Upper

79 100

108 69.4 52.7 79.1

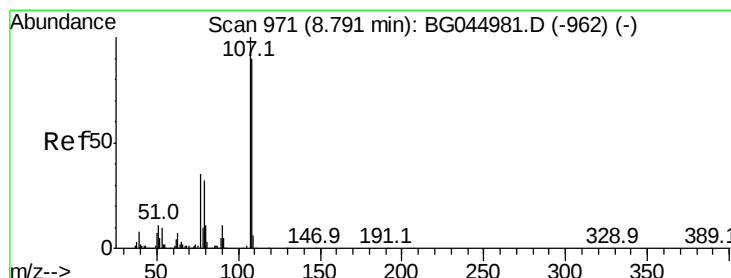
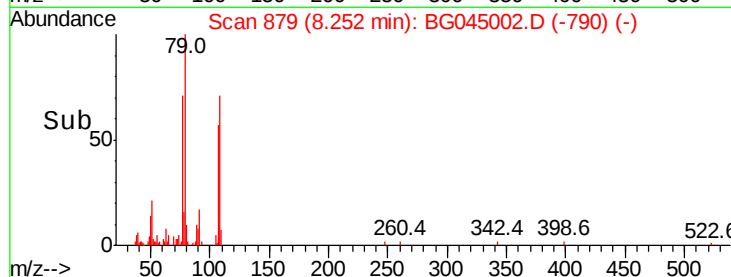
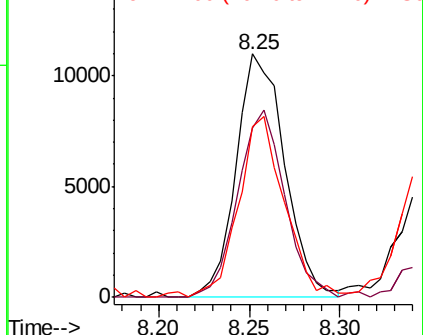
77 70.3 51.3 76.9



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#20

3+4-Methylphenols

Concen: 6.744 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

Tgt Ion: 107 Resp: 45003

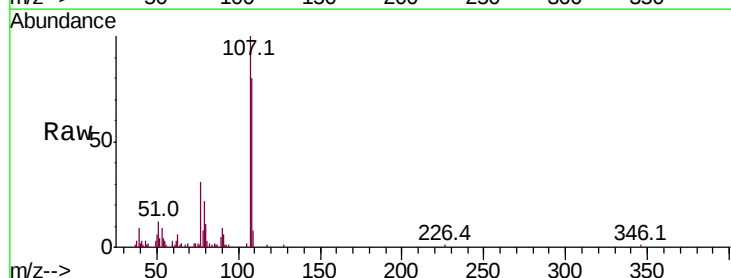
Ion Ratio Lower Upper

107 100

108 80.2 69.9 109.9

77 31.3 15.2 55.2

79 21.7 11.6 51.6

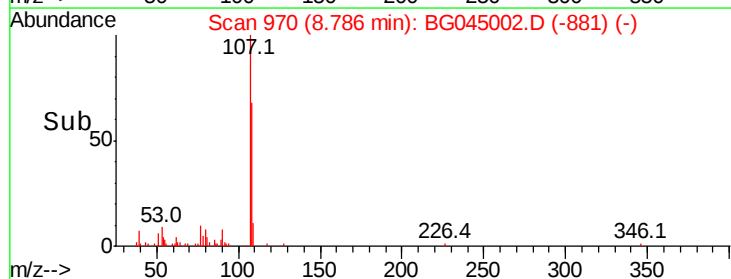
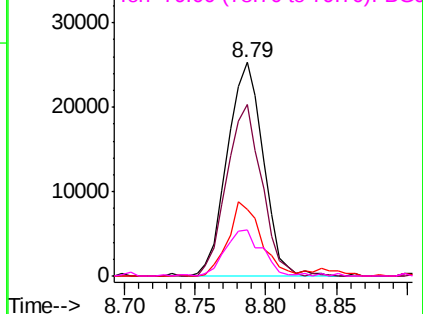


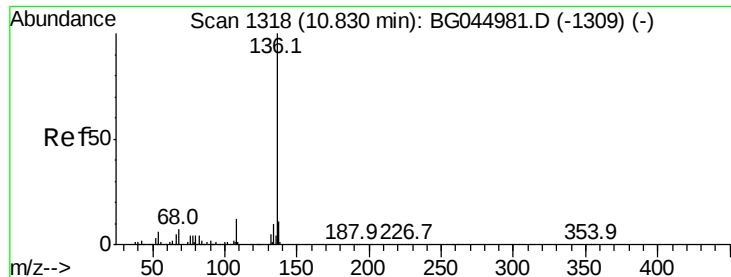
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

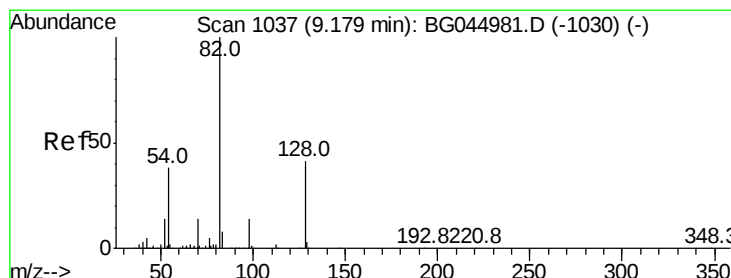
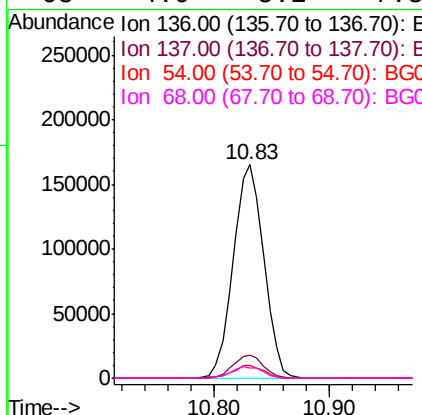
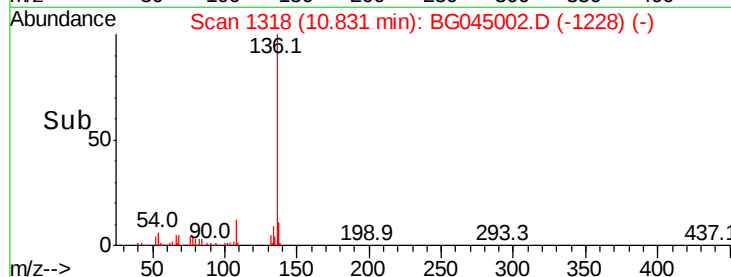
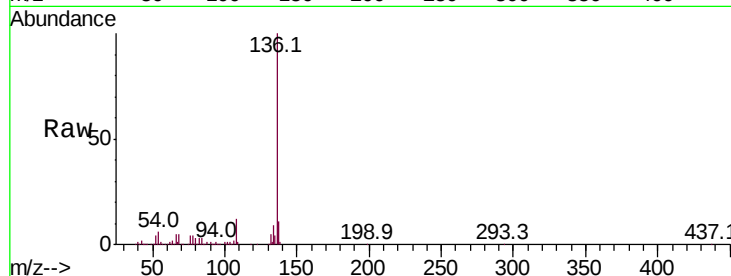




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

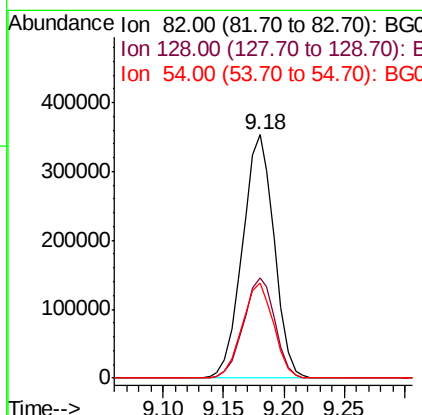
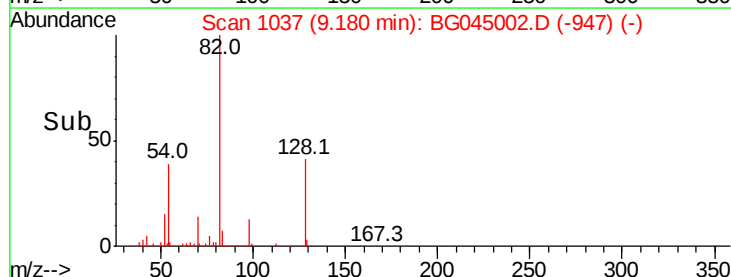
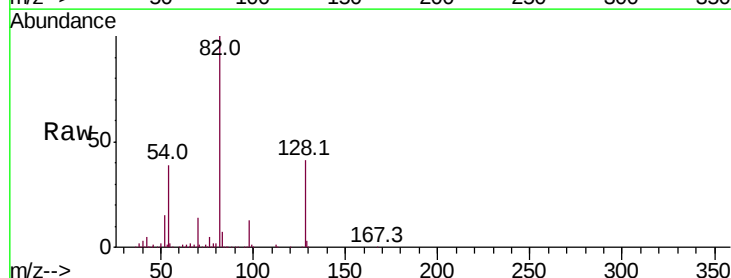
Instrument :
BNA_G
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BUS-WASH

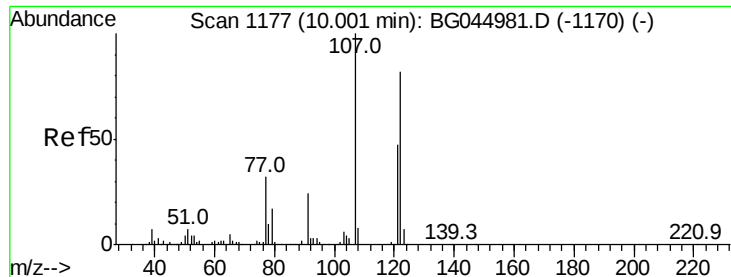
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.0	4.8	7.2
68	4.9	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 97.312 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	38.8	30.4	45.6

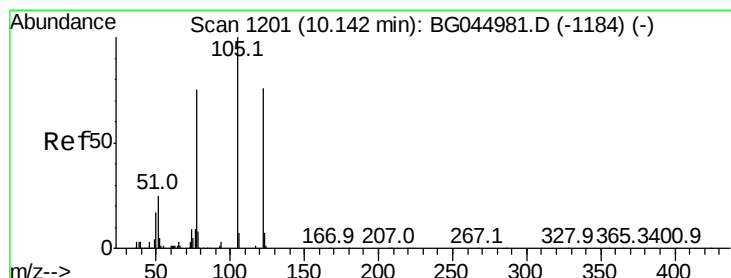
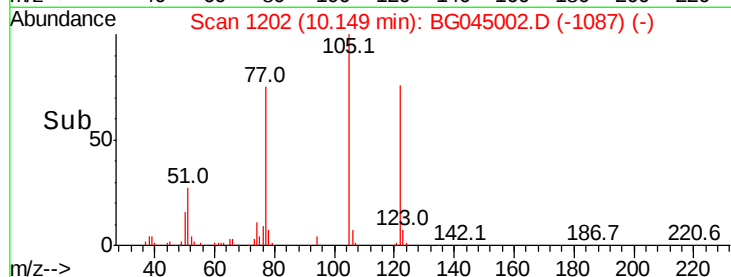
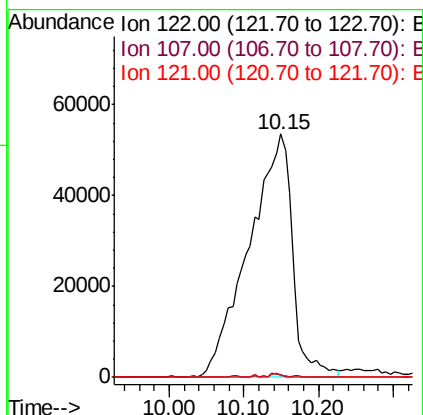
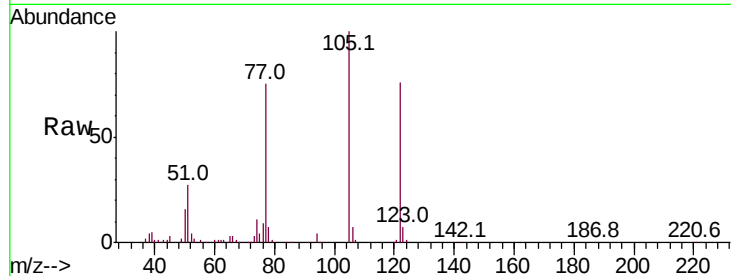




#27
2,4-Dimethylphenol
Concen: 46.738 ng
RT: 10.15 min Scan# 1202
Delta R.T. 0.15 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

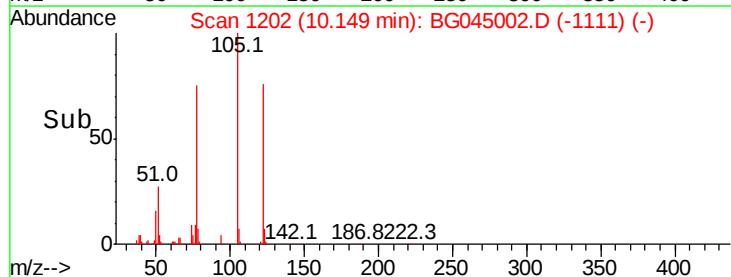
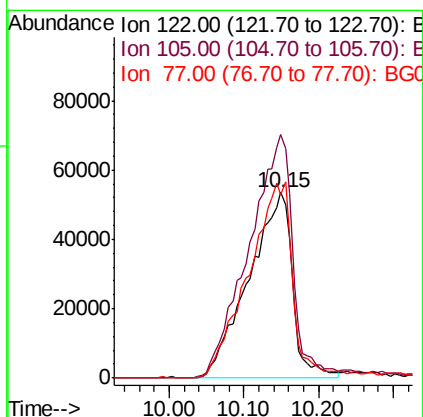
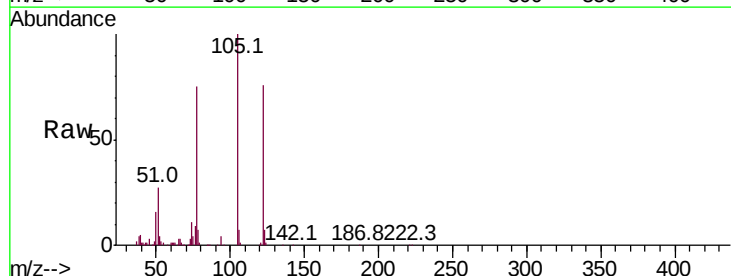
Instrument :
BNA_G
ClientSampleId :
BUS-WASH

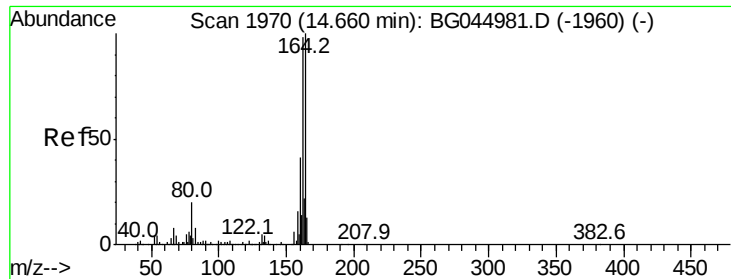
Tot Ion:122 Resp: 216992
Ion Ratio Lower Upper
122 100
107 1.2 96.8 145.2#
121 0.7 45.6 68.4#



#32
Benzoic acid
Concen: 56.547 ng
RT: 10.15 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Tgt Ion:122 Resp: 216992
Ion Ratio Lower Upper
122 100
105 131.0 108.4 148.4
77 98.7 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: BG045002.D

Acq: 16 Apr 2020 4:14

Instrument :

BNA_G

ClientSampleId :

BUS-WASH

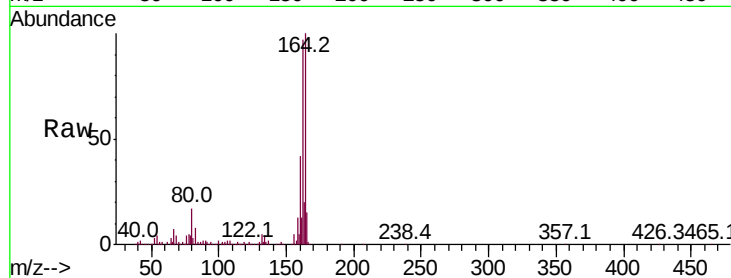
Tot Ion:164 Resp: 232531

Ion Ratio Lower Upper

164 100

162 97.0 78.7 118.1

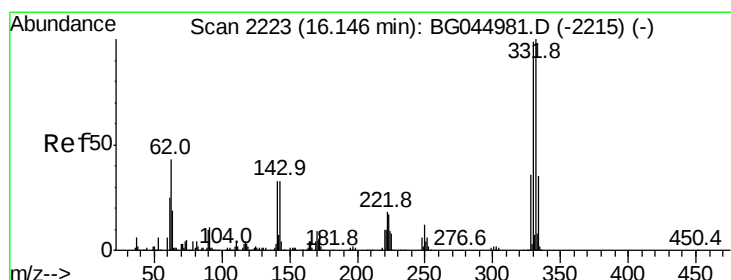
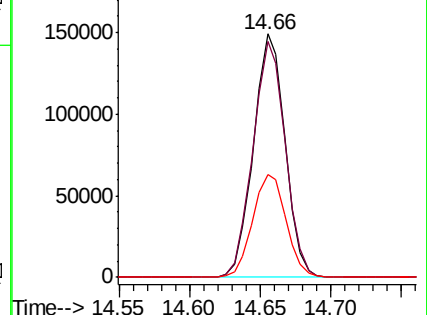
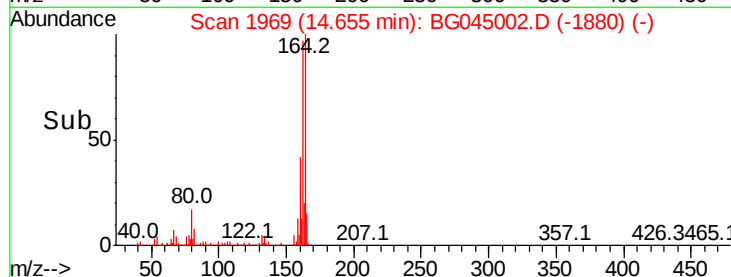
160 42.0 32.8 49.2



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: 165.264 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

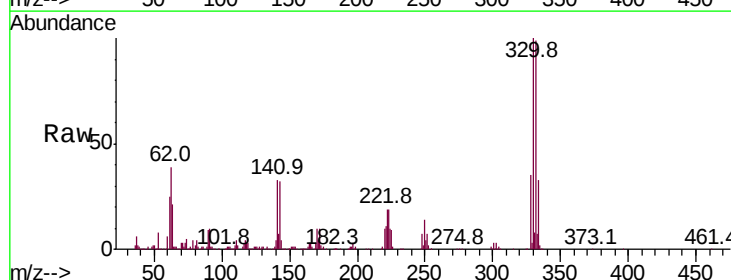
Tgt Ion:330 Resp: 593678

Ion Ratio Lower Upper

330 100

332 98.8 79.1 118.7

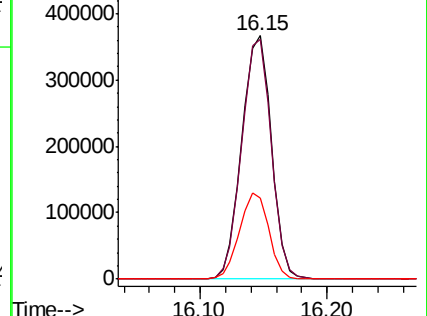
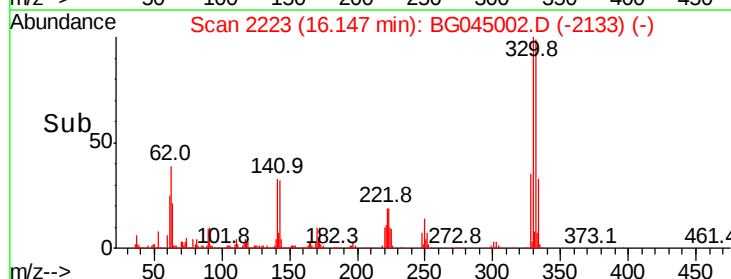
141 35.0 27.1 40.7

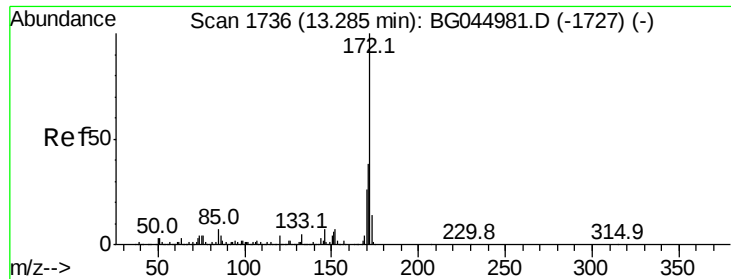


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

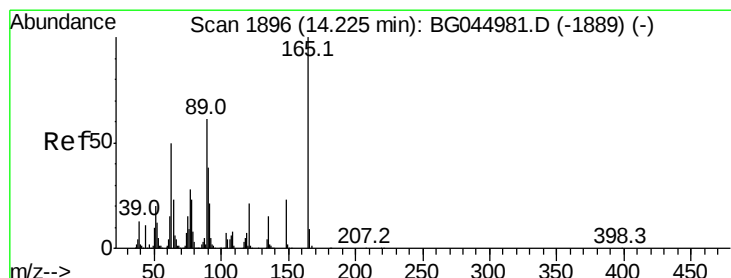
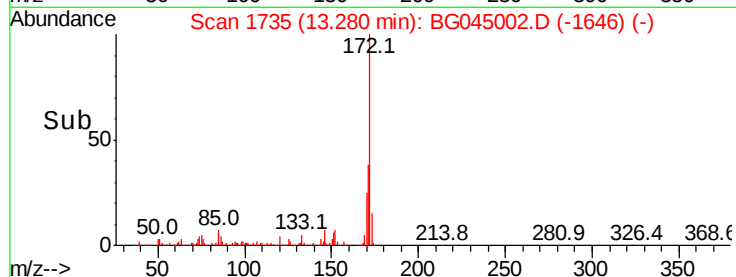
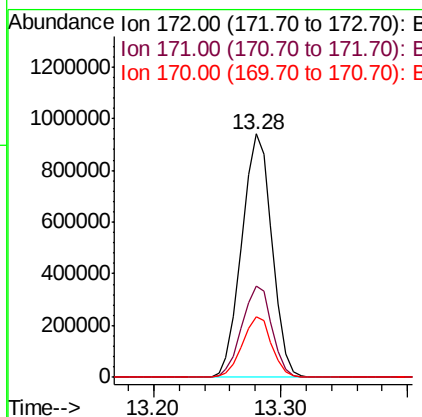
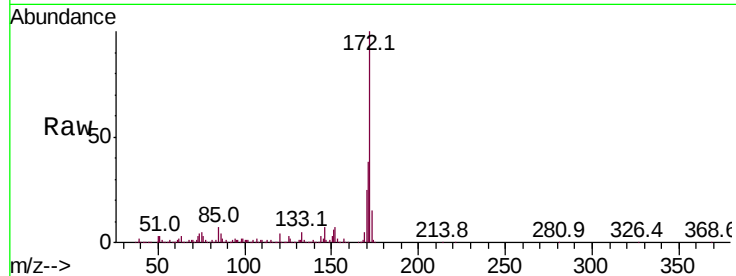




#45
2-Fluorobiphenyl
Concen: 97.880 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

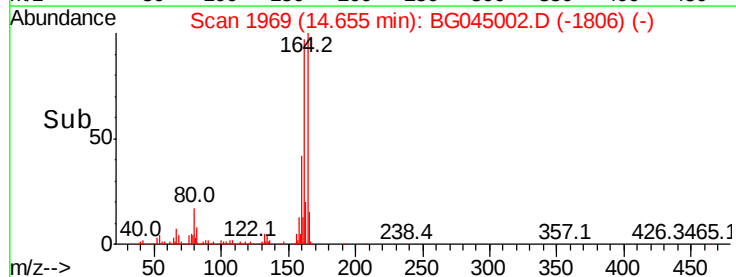
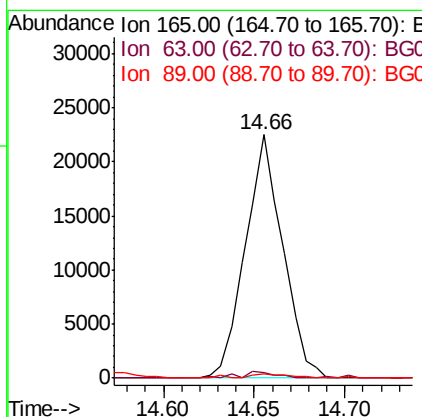
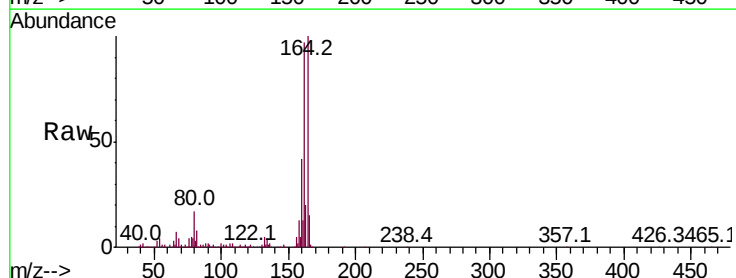
Instrument :
BNA_G
ClientSampleId :
BUS-WASH

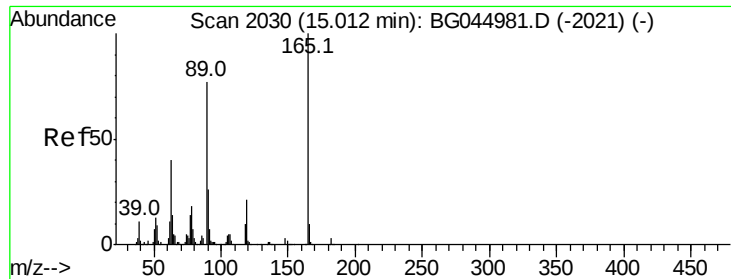
Tot Ion:172 Resp: 1552203
Ion Ratio Lower Upper
172 100
171 37.6 30.6 46.0
170 24.7 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.611 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.43 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Tgt Ion:165 Resp: 32230
Ion Ratio Lower Upper
165 100
63 2.3 40.4 60.6#
89 1.6 49.1 73.7#

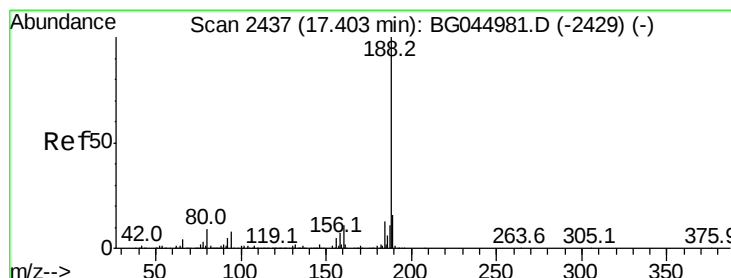
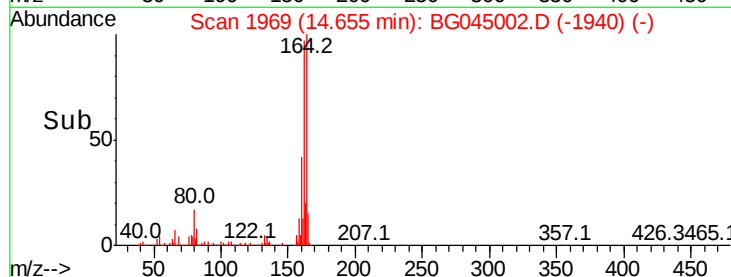
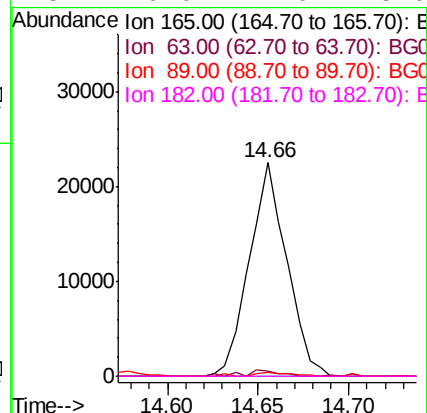
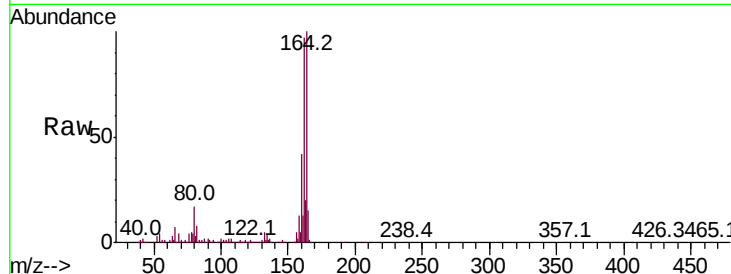




#57
 2,4-Dinitrotoluene
 Concen: 5.208 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG045002.D
 Acq: 16 Apr 2020 4:14

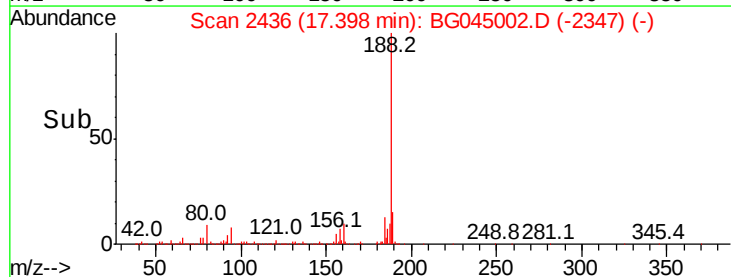
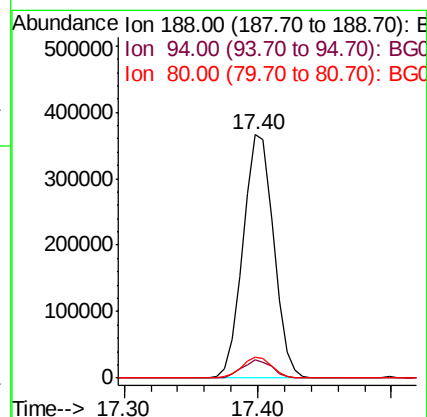
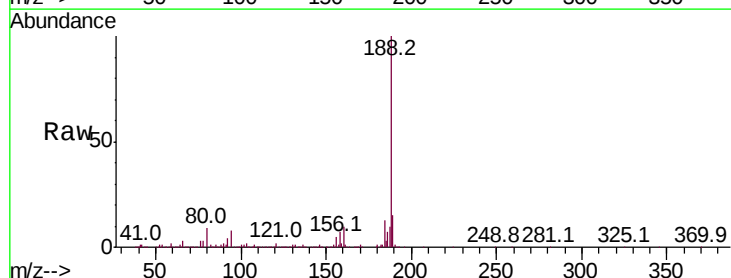
Instrument :
 BNA_G
 ClientSampleId :
 BUS-WASH

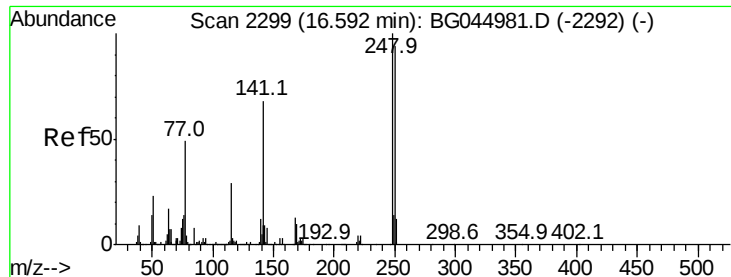
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	32.2	48.2#
89	1.6	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BG045002.D
 Acq: 16 Apr 2020 4:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.2	9.4
80	8.7	7.0	10.6

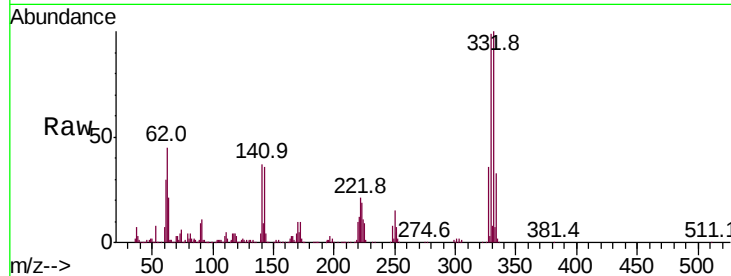




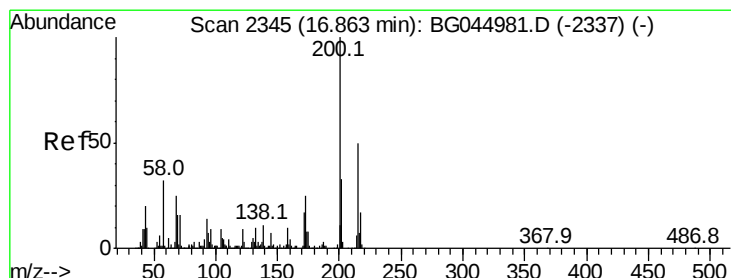
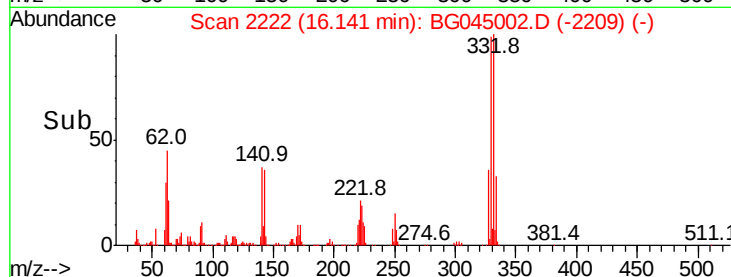
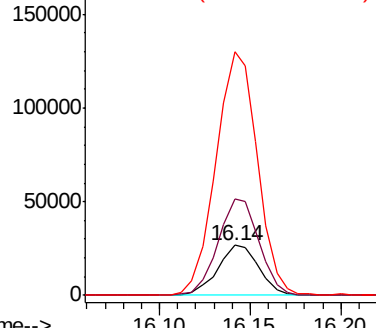
#67
4-Bromophenyl-phenylether
Concen: 5.694 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.45 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Instrument :
BNA_G
ClientSampleId :
BUS-WASH

Tot Ion:248 Resp: 42514
Ion Ratio Lower Upper
248 100
250 192.1 75.4 113.2#
141 487.4 54.4 81.6#

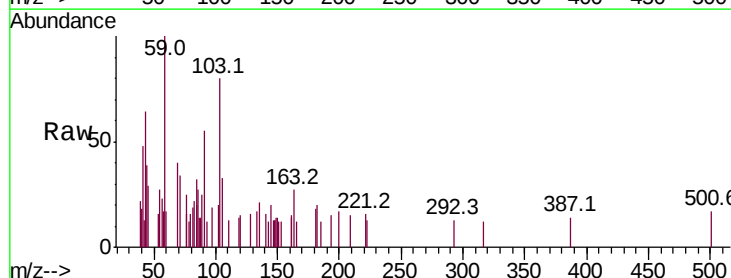


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

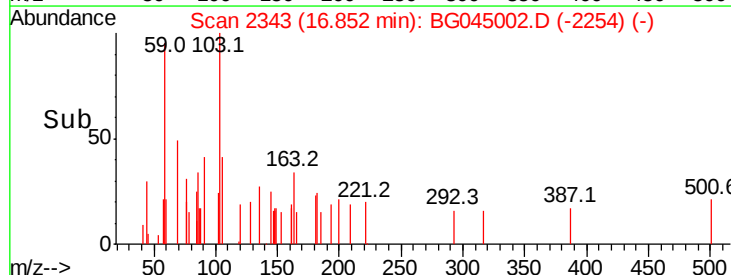
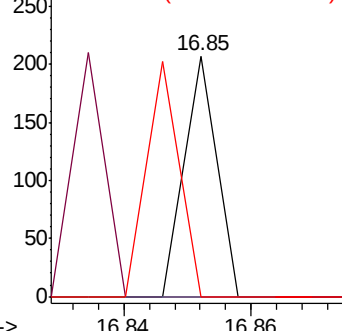


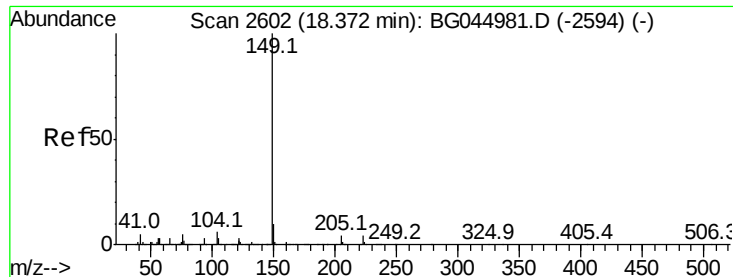
#69
Atrazine
Concen: Below Cal
RT: 16.85 min Scan# 2343
Delta R.T. -0.01 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

Tgt Ion:200 Resp: 73
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

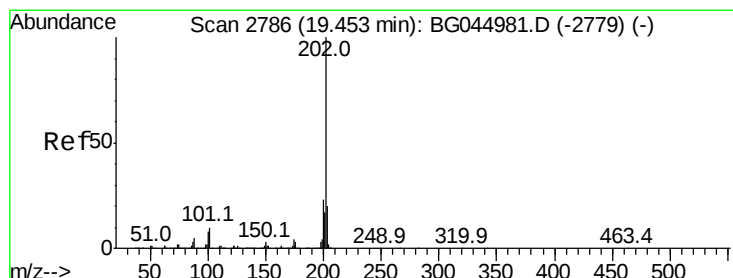
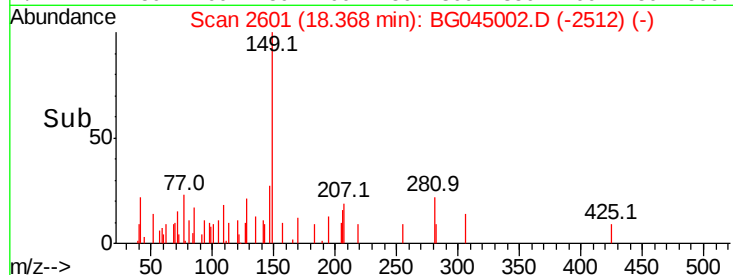
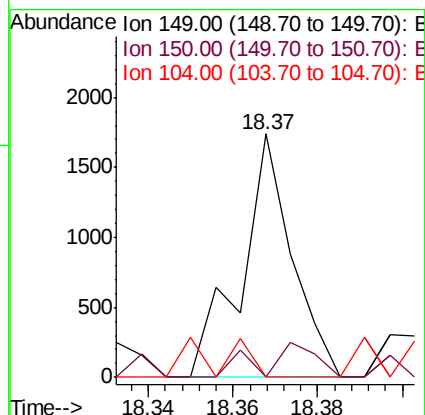
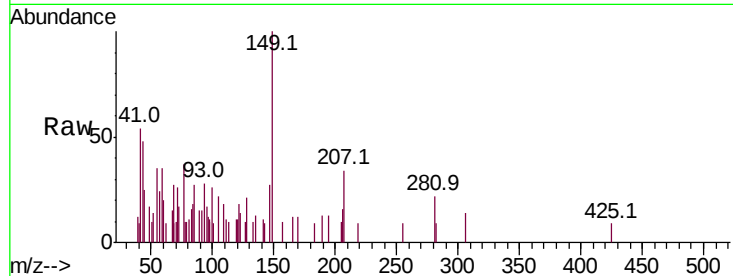




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2601
Delta R.T. -0.00 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

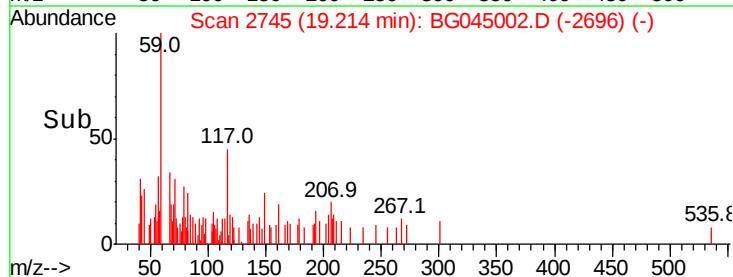
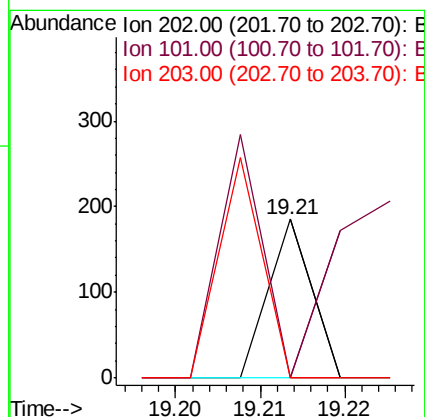
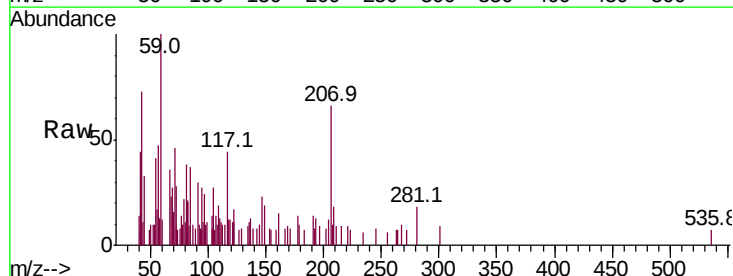
Instrument :
BNA_G
ClientSampleId :
BUS-WASH

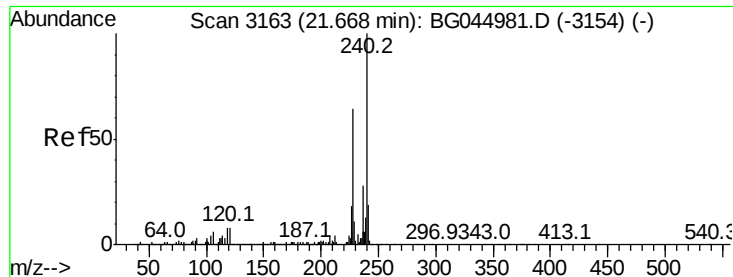
Tot Ion:149 Resp: 1449
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.21 min Scan# 2745
Delta R.T. -0.24 min
Lab File: BG045002.D
Acq: 16 Apr 2020 4:14

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

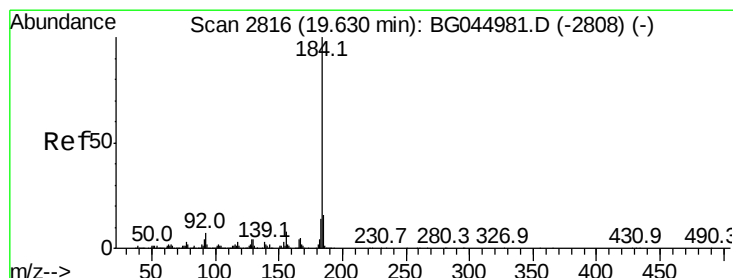
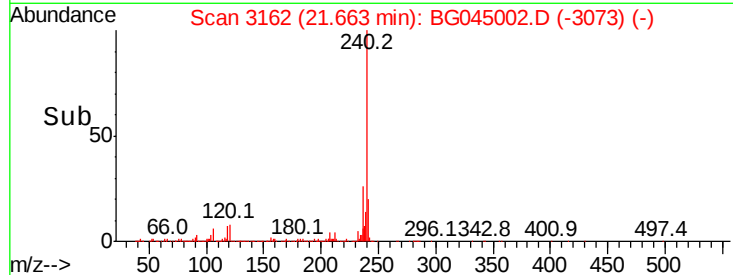
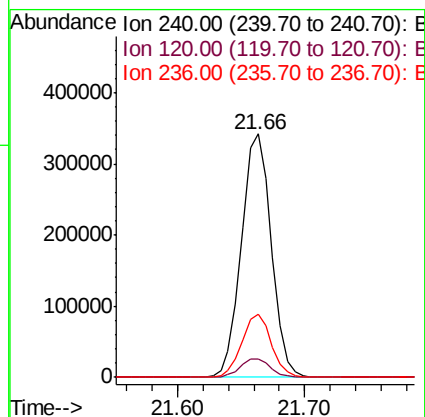
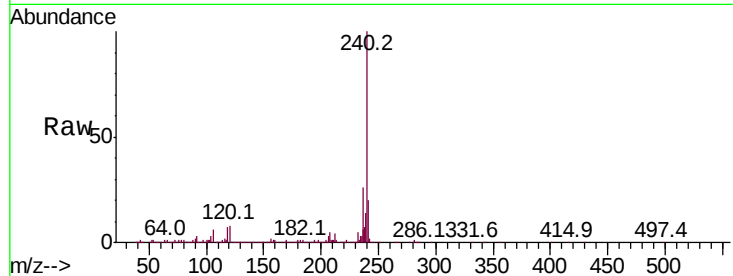




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG045002.D
 Acq: 16 Apr 2020 4:14

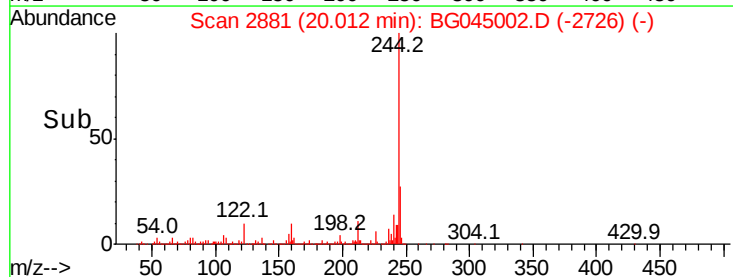
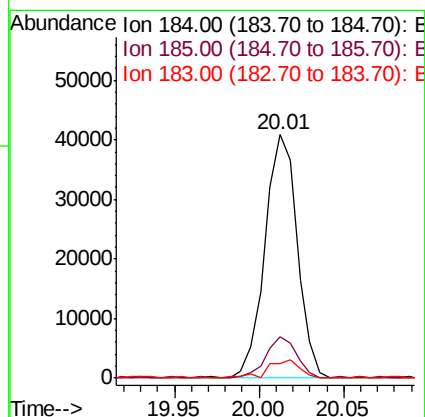
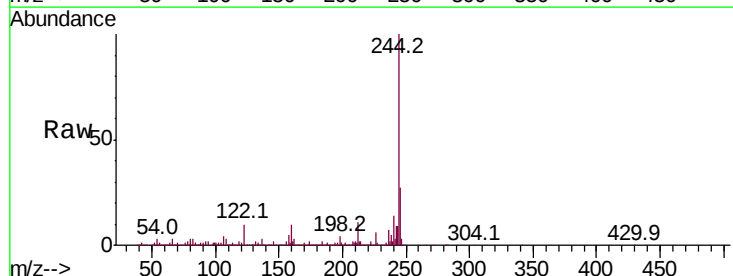
Instrument :
 BNA_G
 ClientSampleId :
 BUS-WASH

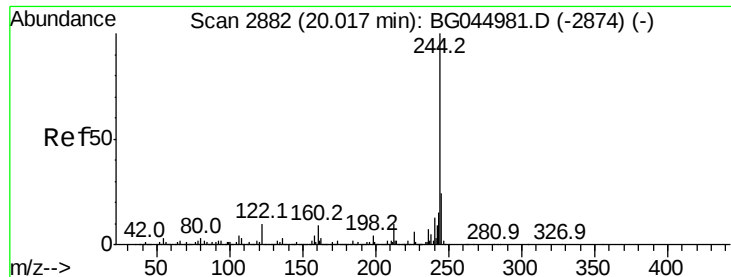
Tot Ion:240 Resp: 556841
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.6 10.0
 236 26.1 22.2 33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 20.01 min Scan# 2881
 Delta R.T. 0.38 min
 Lab File: BG045002.D
 Acq: 16 Apr 2020 4:14

Tgt Ion:184 Resp: 54415
 Ion Ratio Lower Upper
 184 100
 185 17.0 12.6 19.0
 183 6.2 11.3 16.9#





#79

Terphenyl-d14

Concen: 103.939 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

Instrument :

BNA_G

ClientSampleId :

BUS-WASH

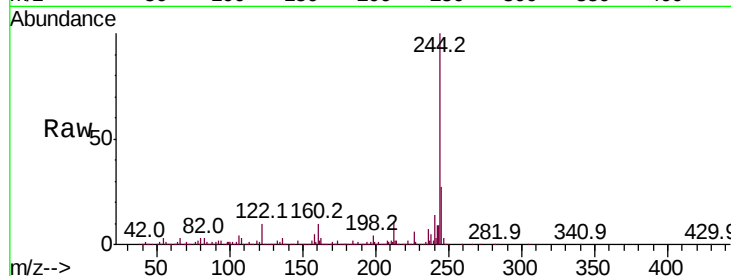
Tot Ion:244 Resp: 2655450

Ion Ratio Lower Upper

244 100

212 11.1 7.9 11.9

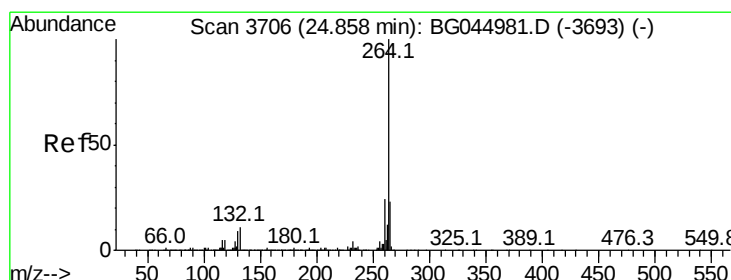
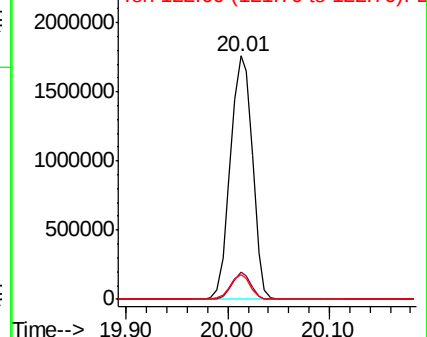
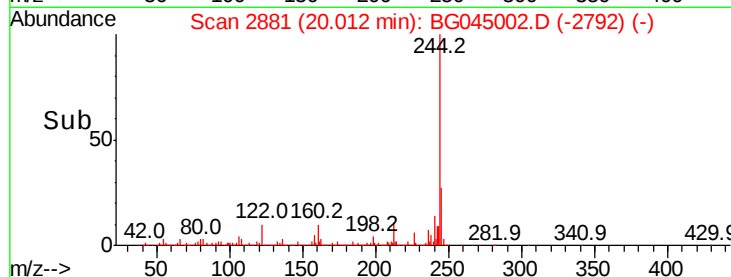
122 10.4 7.7 11.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG045002.D

Acq: 16 Apr 2020 4:14

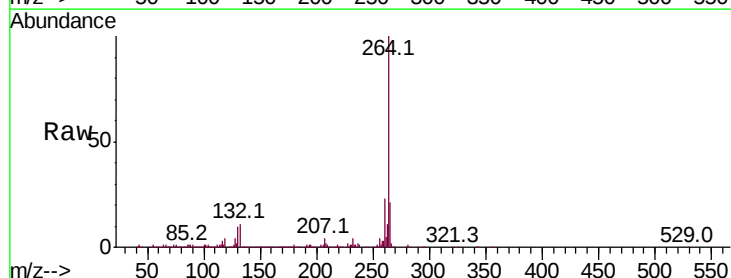
Tgt Ion:264 Resp: 600902

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.3 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

