

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG045001.D
 Acq On : 16 Apr 2020 3:34
 Operator : CG/JU
 Sample : L2278-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHASSIS-WASH

Quant Time: Apr 16 05:05:35 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	65097	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	277674	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	221251	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	534654	20.00	ng	0.00
76) Chrysene-d12	21.66	240	504610	20.00	ng	0.00
87) Perylene-d12	24.85	264	550464	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	465802	118.13	ng	0.00
7) Phenol-d6	7.18	99	685766	117.06	ng	0.00
23) Nitrobenzene-d5	9.18	82	536838	88.22	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	521072	152.45	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1371796	90.91	ng	0.00
79) Terphenyl-d14	20.01	244	2390092	103.24	ng	0.00

Target Compounds

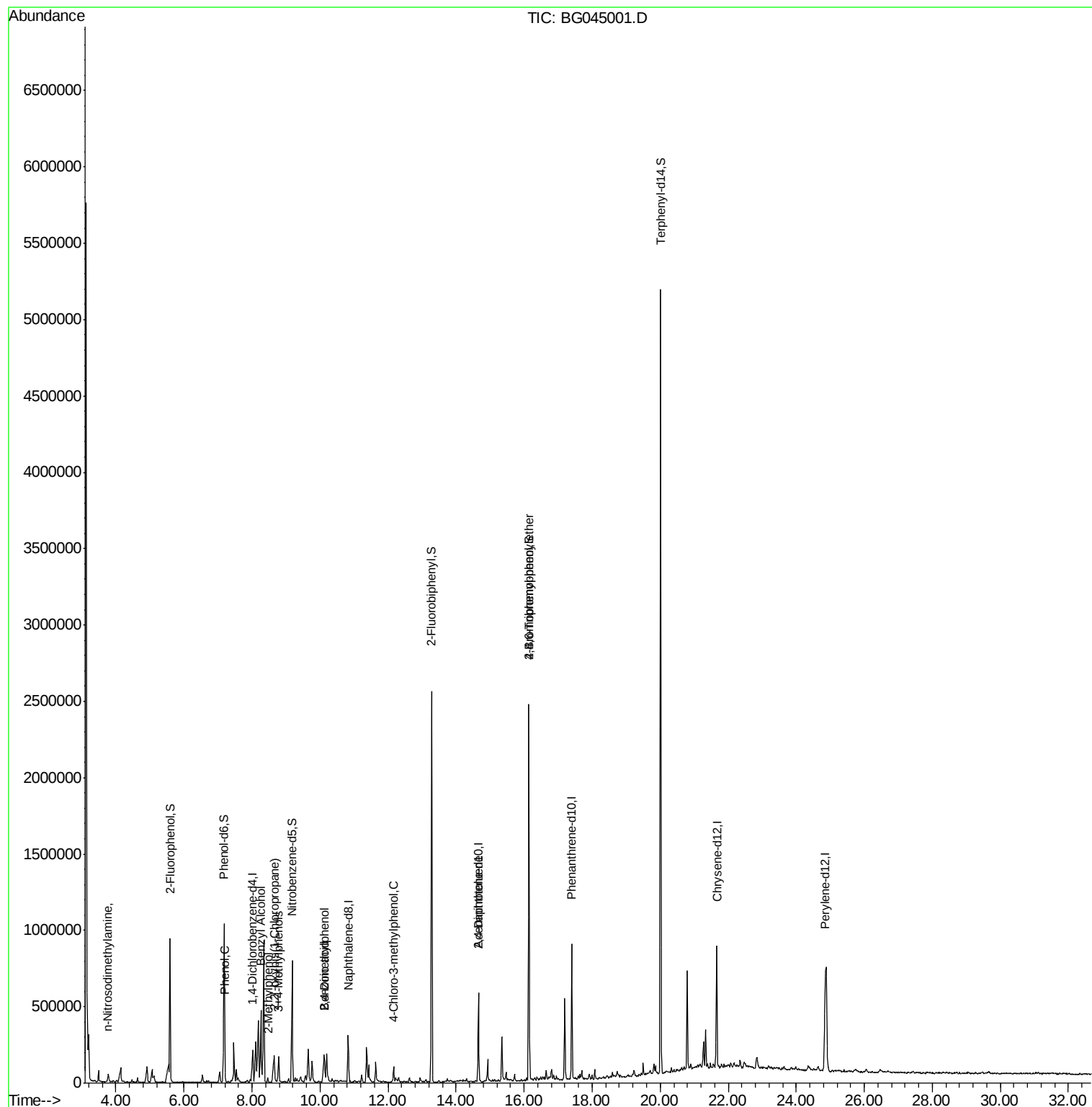
					Qvalue	
4) n-Nitrosodimethylamine	3.76	42	6010	3.636	ng	# 1
9) Benzaldehyde	7.15	77	8662	Below	Cal	# 86
10) Phenol	7.21	94	20189	3.444	ng	# 71
15) Benzyl Alcohol	8.26	79	186029	37.875	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.66	45	17743	3.873	ng	66
17) 2-Methylphenol	8.46	107	9316	2.060	ng	90
20) 3+4-Methylphenols	8.79	107	67632	10.683	ng	93
27) 2,4-Dimethylphenol	10.13	122	110321	25.876	ng	# 2
32) Benzoic acid	10.13	122	110321	34.152	ng	94
36) 4-Chloro-3-methylphenol	12.16	107	22756	3.935	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	28994	4.924	ng	# 22
67) 4-Bromophenyl-phenylether	16.14	248	35985	5.217	ng	# 1
69) Atrazine	16.85	200	84	Below	Cal	# 35
74) Di-n-butylphthalate	18.37	149	3073	Below	Cal	# 80
75) Fluoranthene	19.45	202	946	Below	Cal	62
77) Benzidine	19.38	184	5296	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: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

ClientSampleId :

CHASSIS-WASH

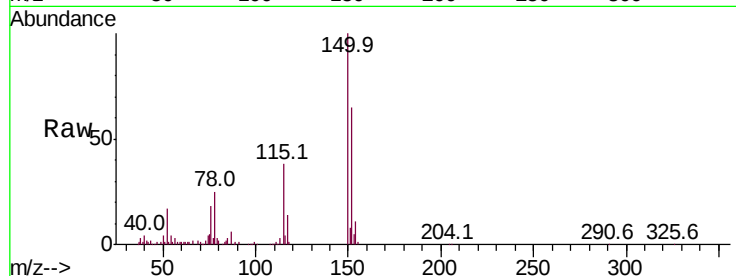
Tot Ion:152 Resp: 65097

Ion Ratio Lower Upper

152 100

150 154.9 123.6 185.4

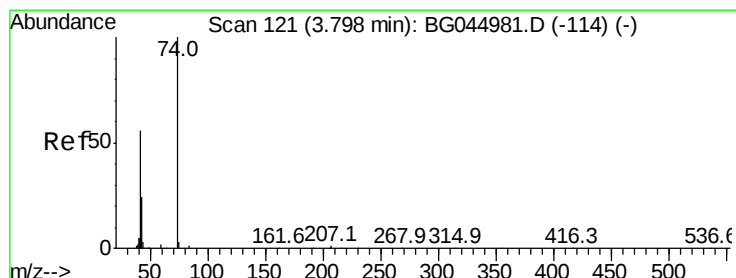
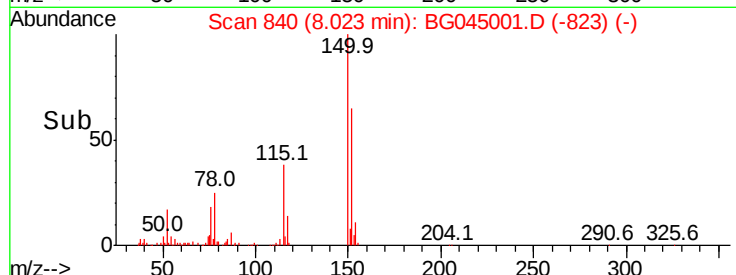
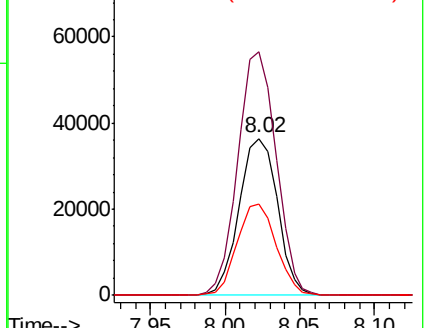
115 58.5 49.1 73.7



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: 3.636 ng

RT: 3.76 min Scan# 115

Delta R.T. -0.03 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

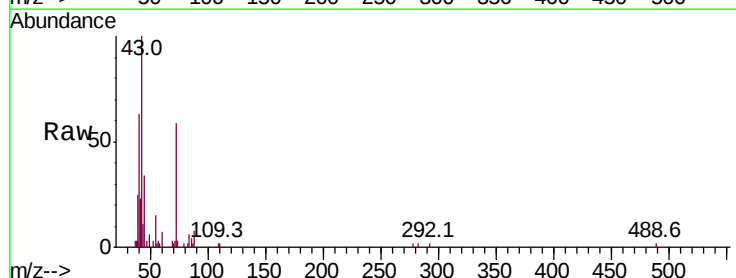
Tgt Ion: 42 Resp: 6010

Ion Ratio Lower Upper

42 100

74 12.7 143.0 214.6#

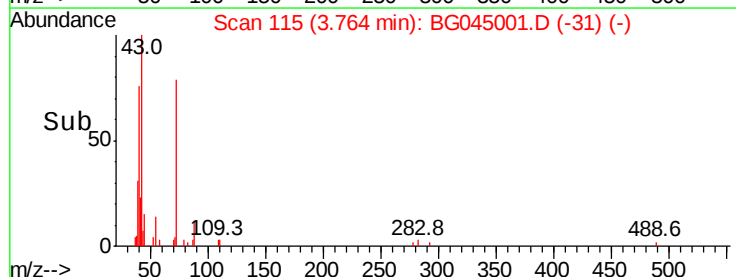
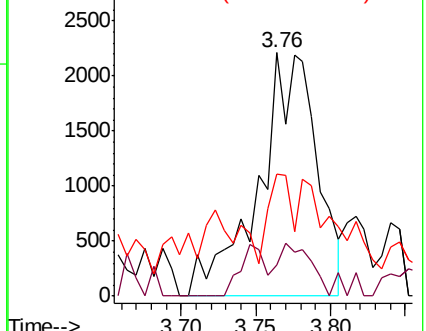
44 50.3 4.6 6.8#

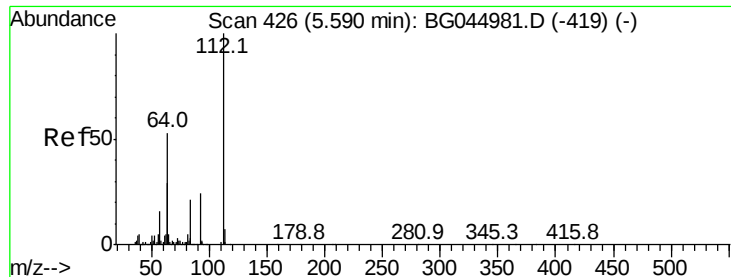


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 118.134 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

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ClientSampleId :

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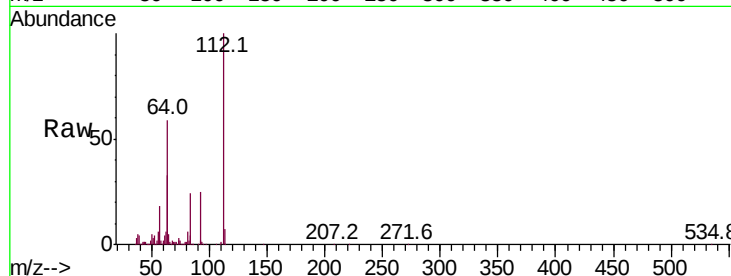
Tot Ion:112 Resp: 465802

Ion Ratio Lower Upper

112 100

64 58.8 42.4 63.6

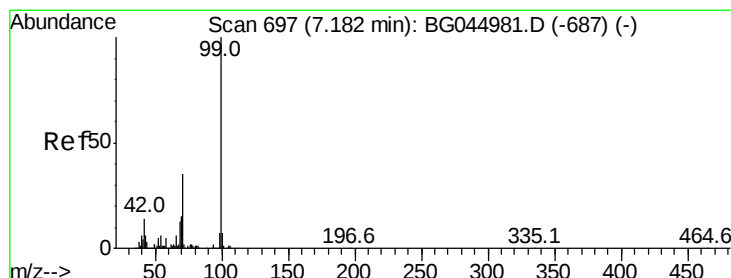
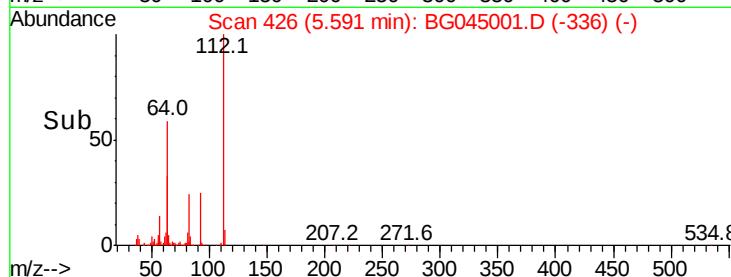
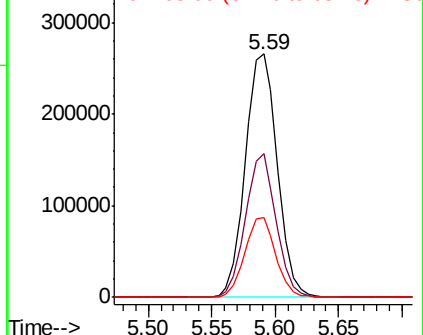
63 32.8 23.1 34.7



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: 117.058 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

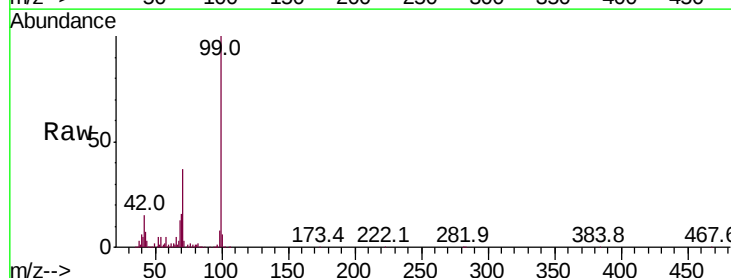
Tgt Ion: 99 Resp: 685766

Ion Ratio Lower Upper

99 100

42 14.8 11.3 16.9

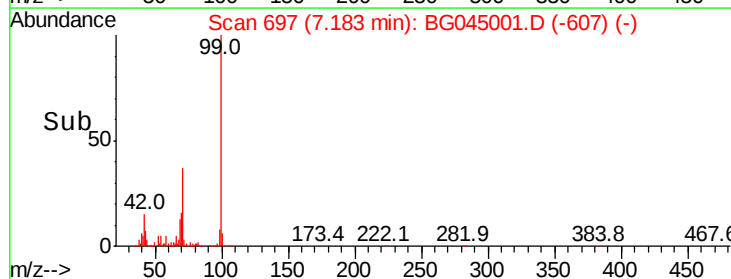
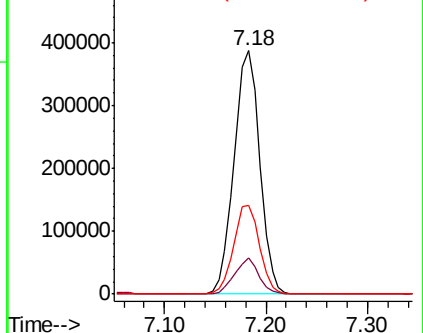
71 36.6 28.3 42.5

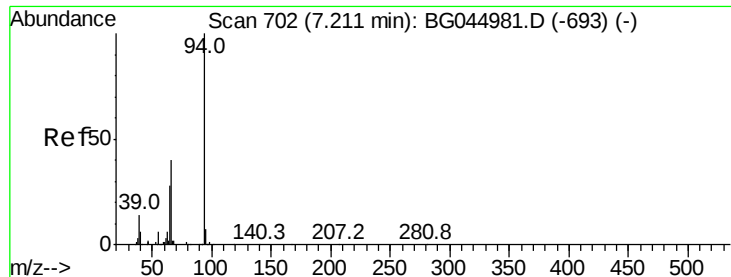


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.444 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

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CHASSIS-WASH

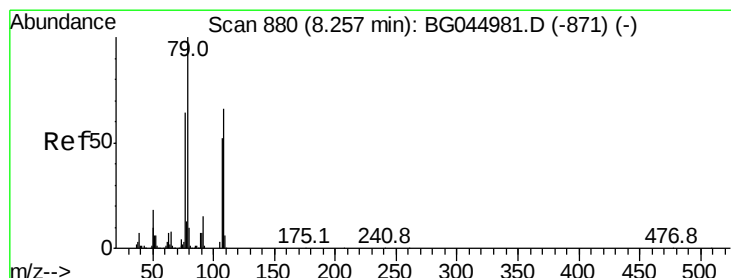
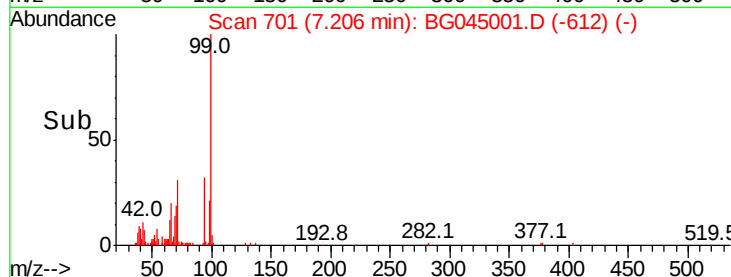
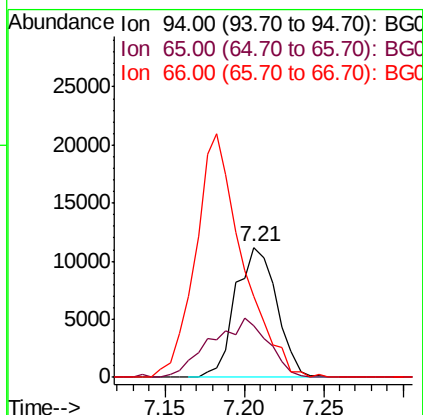
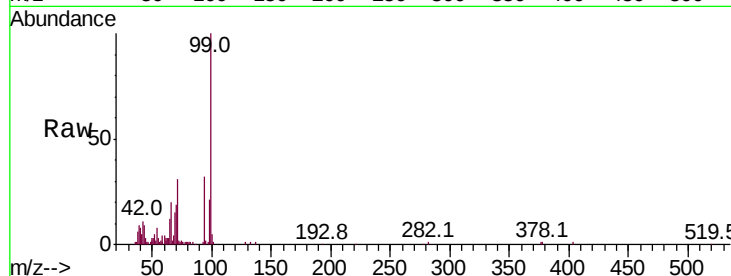
Tot Ion: 94 Resp: 20189

Ion Ratio Lower Upper

94 100

65 39.2 8.2 48.2

66 61.9 20.4 60.4#



#15

Benzyl Alcohol

Concen: 37.875 ng

RT: 8.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

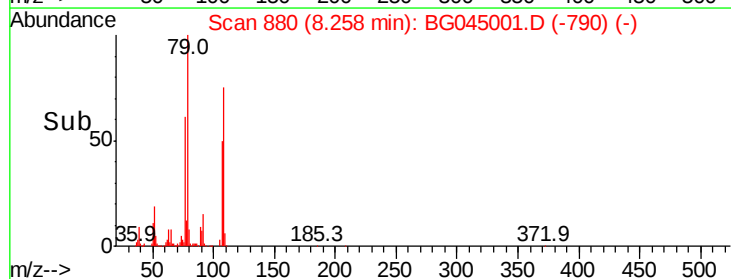
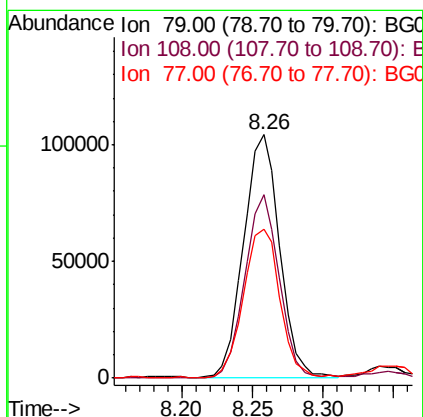
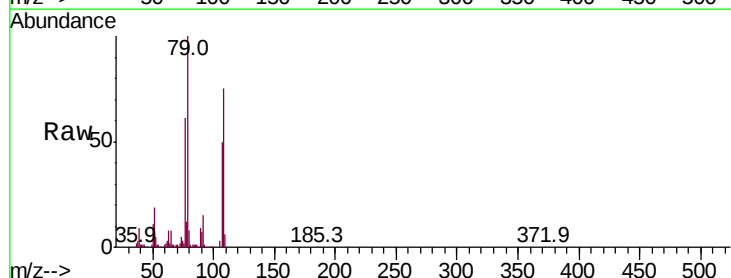
Tgt Ion: 79 Resp: 186029

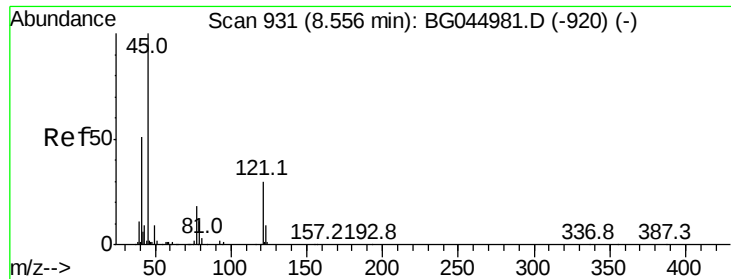
Ion Ratio Lower Upper

79 100

108 75.1 52.7 79.1

77 61.3 51.3 76.9

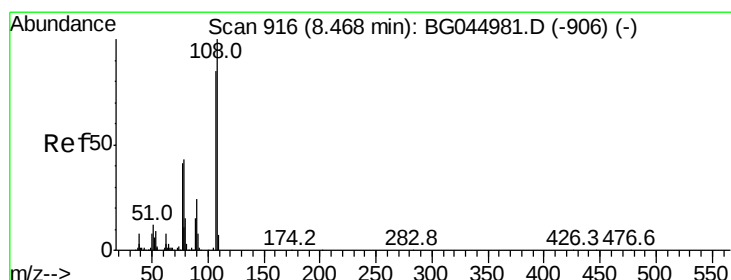
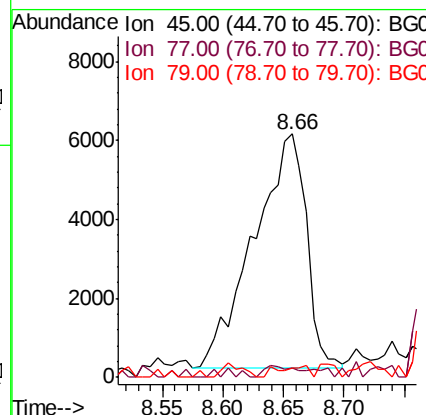
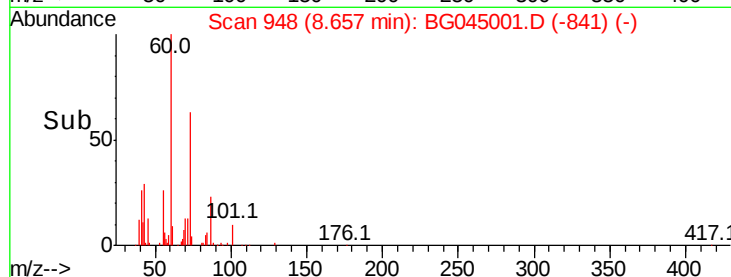
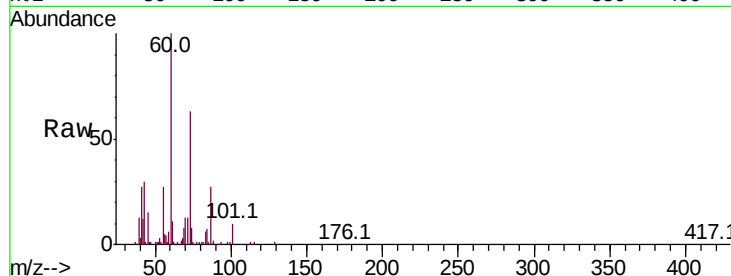




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 3.873 ng
RT: 8.66 min Scan# 948
Delta R.T. 0.10 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

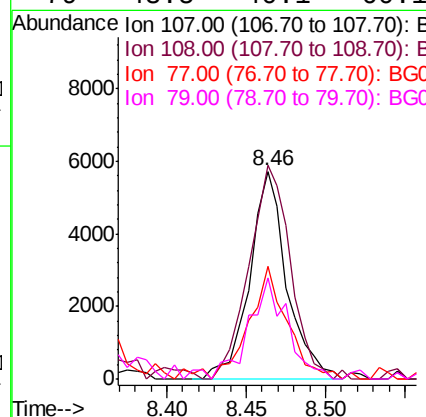
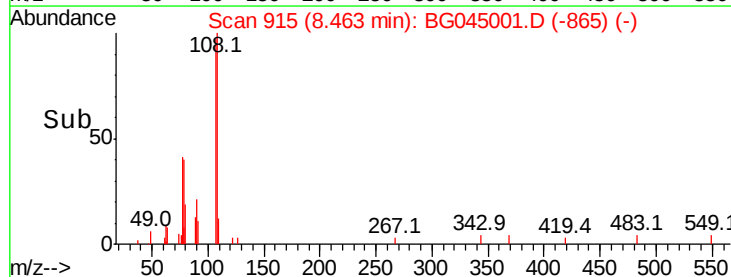
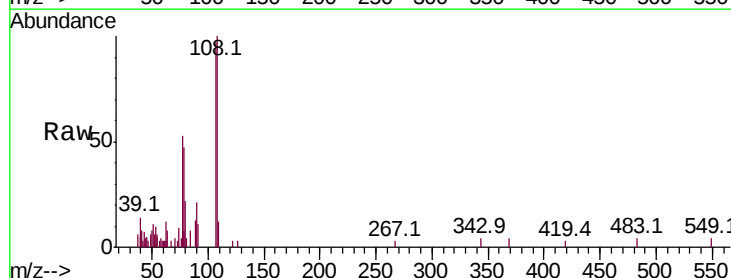
Instrument :
BNA_G
ClientSampleId :
CHASSIS-WASH

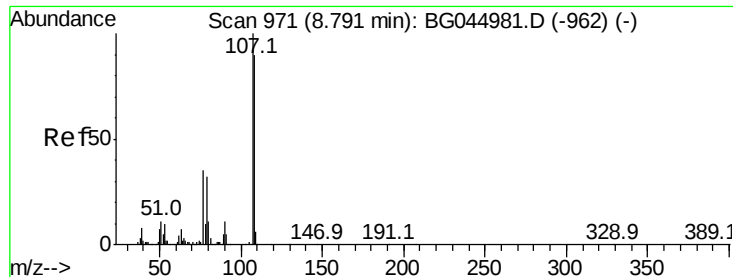
Tot Ion: 45 Resp: 17743
Ion Ratio Lower Upper
45 100
77 4.0 1.9 41.9
79 3.6 0.0 35.5



#17
2-Methylphenol
Concen: 2.060 ng
RT: 8.46 min Scan# 915
Delta R.T. -0.00 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

Tgt Ion: 107 Resp: 9316
Ion Ratio Lower Upper
107 100
108 102.8 93.8 140.6
77 54.3 38.5 57.7
79 48.5 40.1 60.1





#20

3+4-Methylphenols

Concen: 10.683 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

ClientSampleId :

CHASSIS-WASH

Tot Ion:107 Resp: 67632

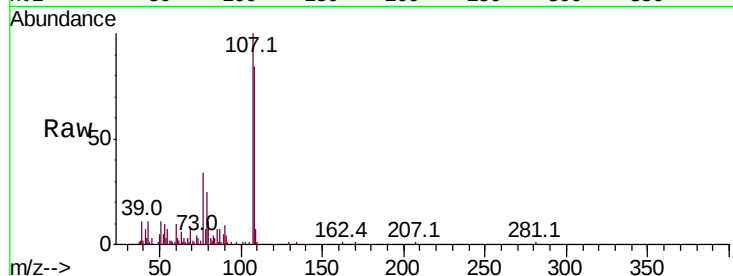
Ion Ratio Lower Upper

107 100

108 83.7 69.9 109.9

77 33.5 15.2 55.2

79 25.3 11.6 51.6

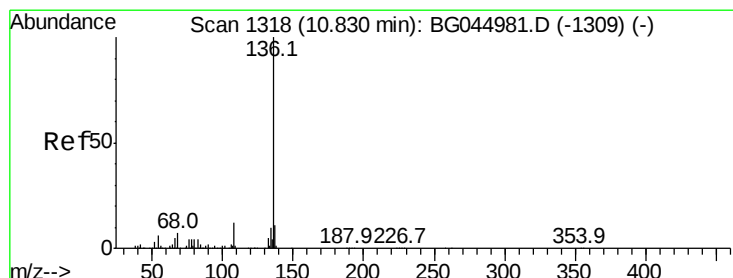
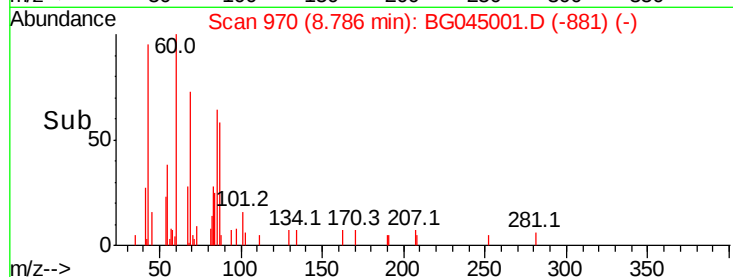
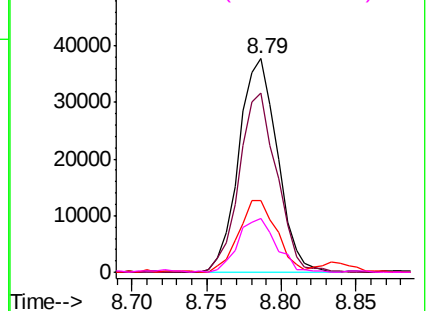


Abundance Ion 107.00 (106.70 to 107.70): E

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: BG045001.D

Acq: 16 Apr 2020 3:34

Tgt Ion:136 Resp: 277674

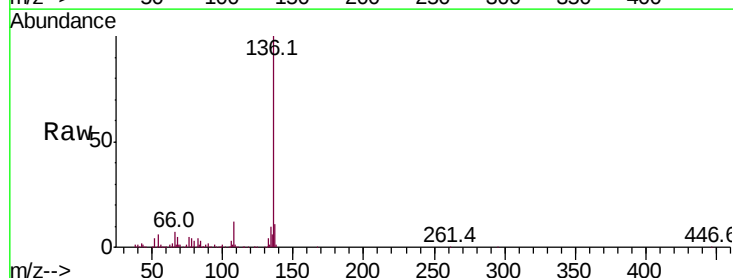
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 5.8 4.8 7.2

68 5.1 5.2 7.8#

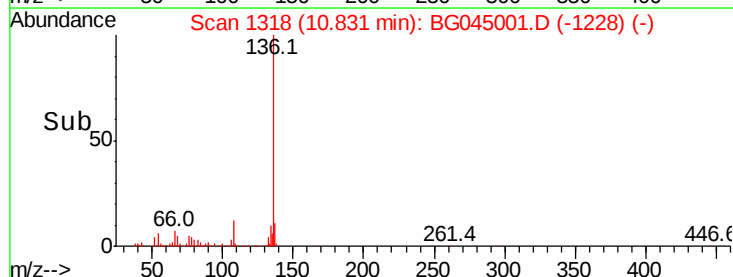
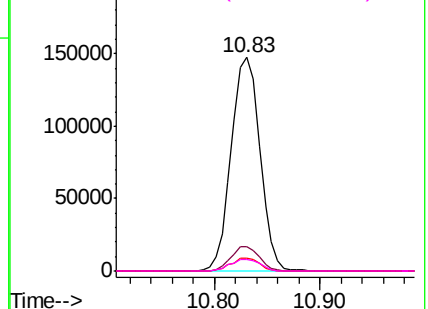


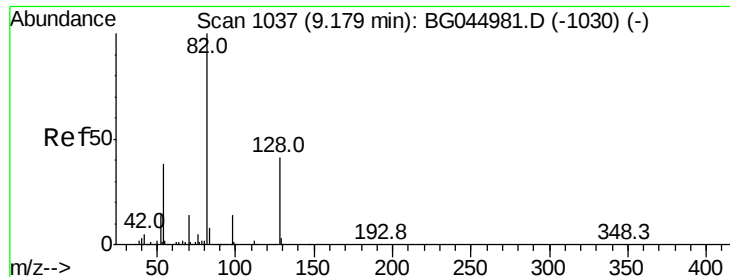
Abundance Ion 136.00 (135.70 to 136.70): E

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

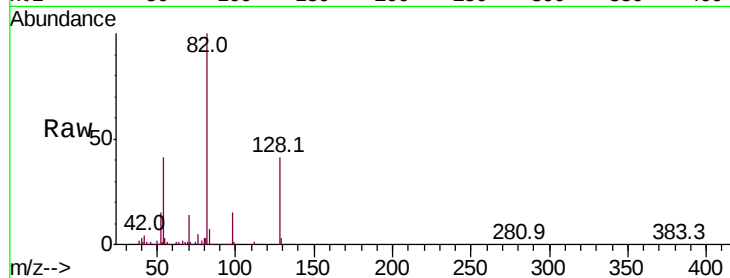




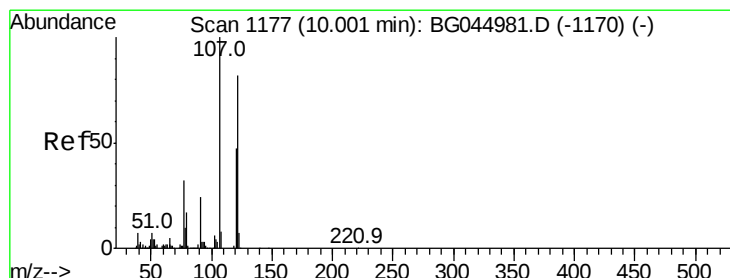
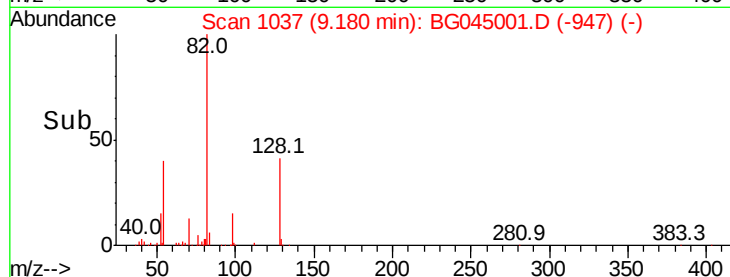
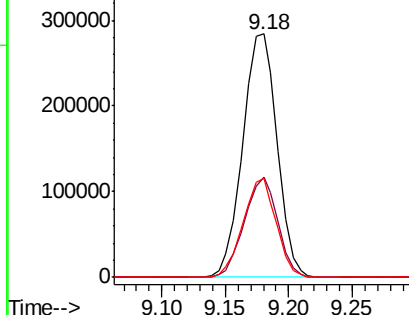
#23
 Nitrobenzene-d5
 Concen: 88.216 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BG045001.D
 Acq: 16 Apr 2020 3:34

Instrument :
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 CHASSIS-WASH

Tot Ion	82	Resp	536838
Ion Ratio	100	Lower	Upper
128	41.2	33.0	49.4
54	40.6	30.4	45.6

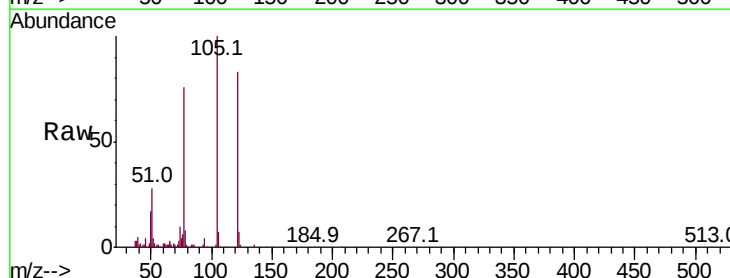


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

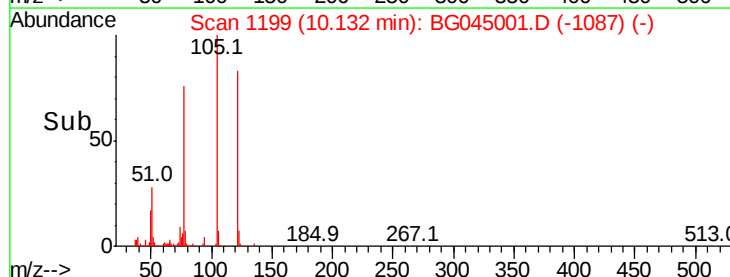
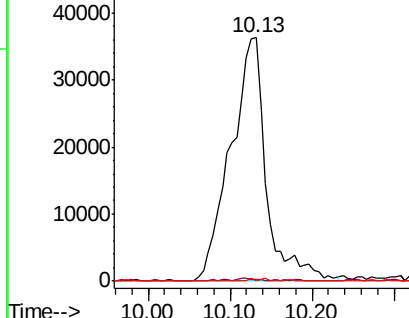


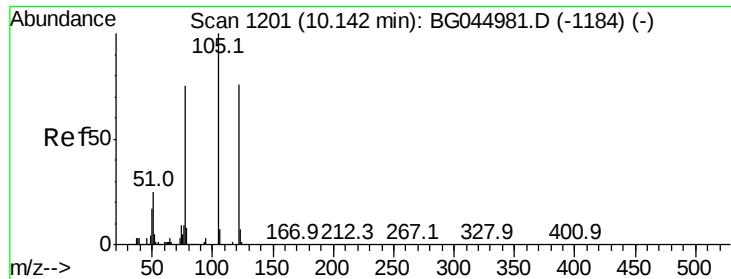
#27
 2,4-Dimethylphenol
 Concen: 25.876 ng
 RT: 10.13 min Scan# 1199
 Delta R.T. 0.13 min
 Lab File: BG045001.D
 Acq: 16 Apr 2020 3:34

Tgt Ion	122	Resp	110321
Ion Ratio	100	Lower	Upper
107	0.6	96.8	145.2#
121	0.0	45.6	68.4#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 107.00 (106.70 to 107.70): BGC
 Ion 121.00 (120.70 to 121.70): BGC

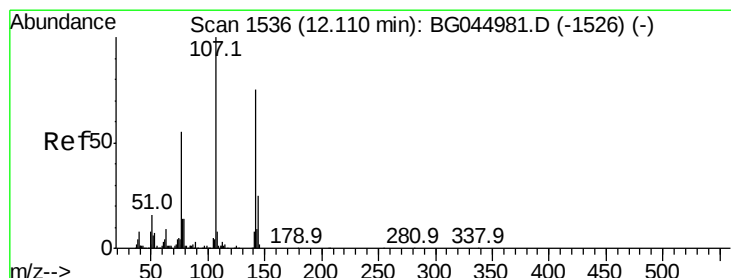
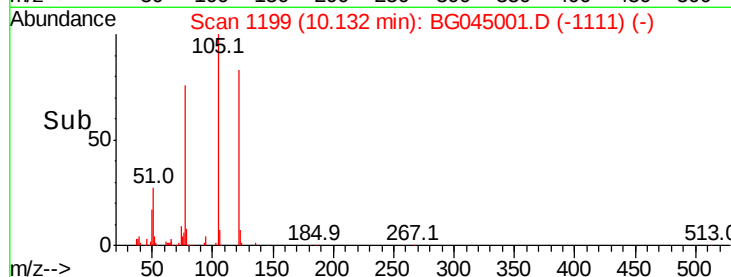
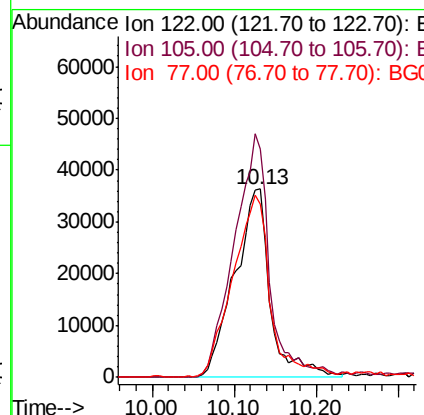
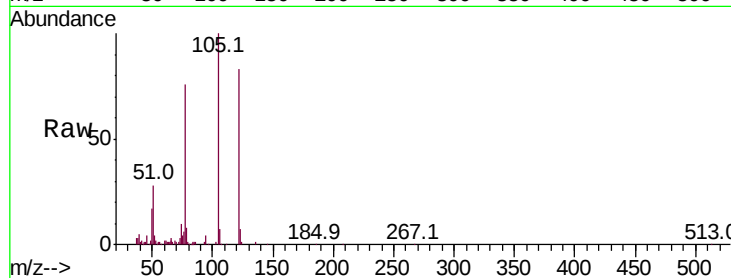




#32
Benzoic acid
Concen: 34.152 ng
RT: 10.13 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

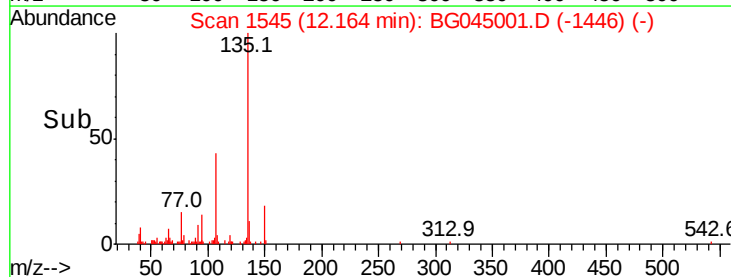
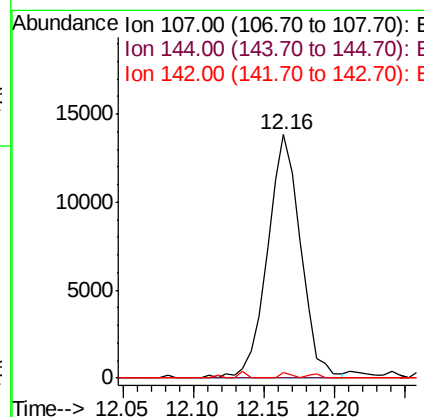
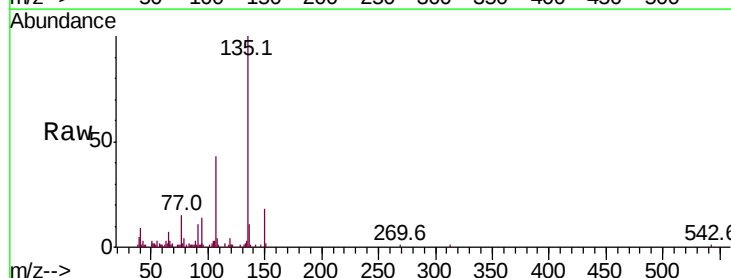
Instrument :
BNA_G
ClientSampleId :
CHASSIS-WASH

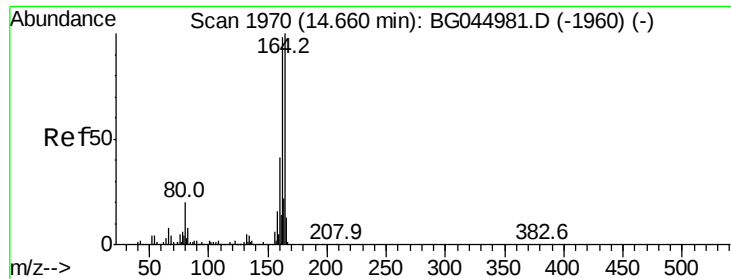
Tot Ion:122 Resp: 110321
Ion Ratio Lower Upper
122 100
105 121.1 108.4 148.4
77 92.2 78.8 118.8



#36
4-Chloro-3-methylphenol
Concen: 3.935 ng
RT: 12.16 min Scan# 1545
Delta R.T. 0.05 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

Tgt Ion:107 Resp: 22756
Ion Ratio Lower Upper
107 100
144 0.0 19.8 29.6#
142 2.2 59.7 89.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

ClientSampleId :

CHASSIS-WASH

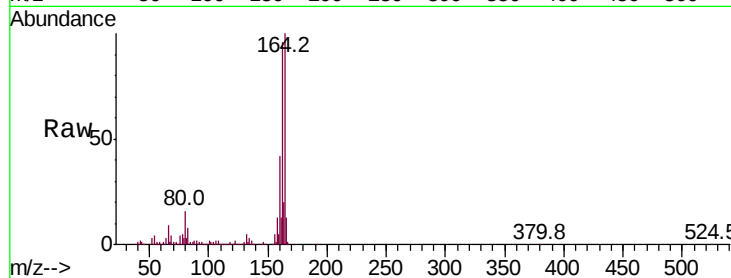
Tot Ion:164 Resp: 221251

Ion Ratio Lower Upper

164 100

162 96.0 78.7 118.1

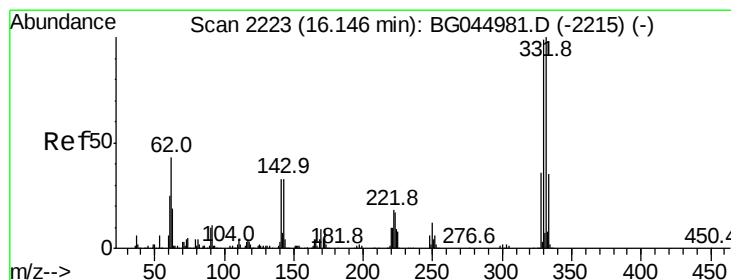
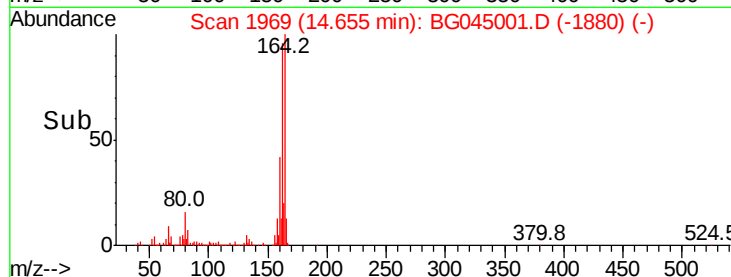
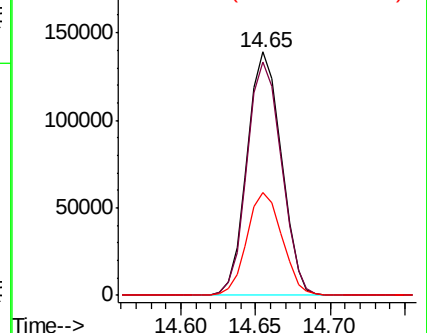
160 42.1 32.8 49.2



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: 152.448 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

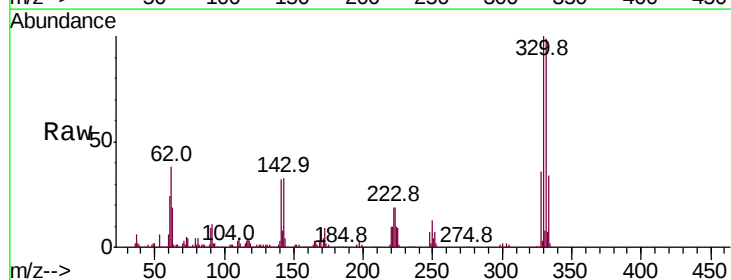
Tgt Ion:330 Resp: 521072

Ion Ratio Lower Upper

330 100

332 97.5 79.1 118.7

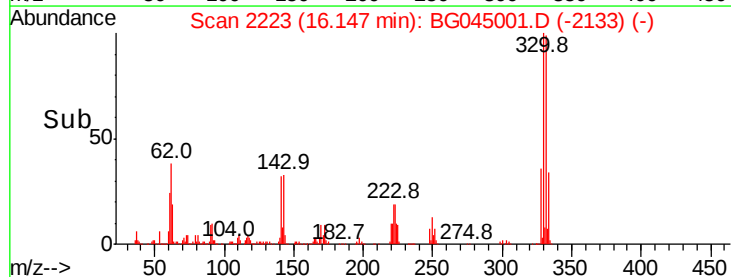
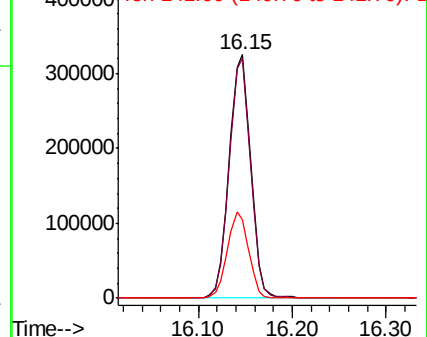
141 35.0 27.1 40.7

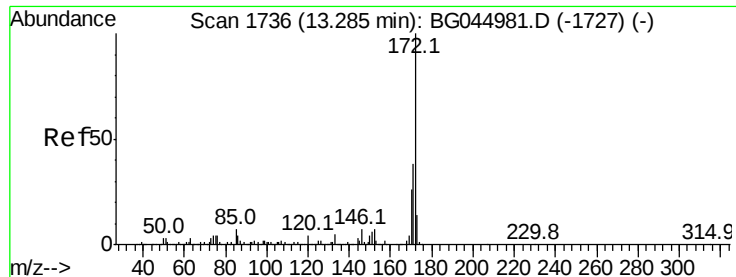


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

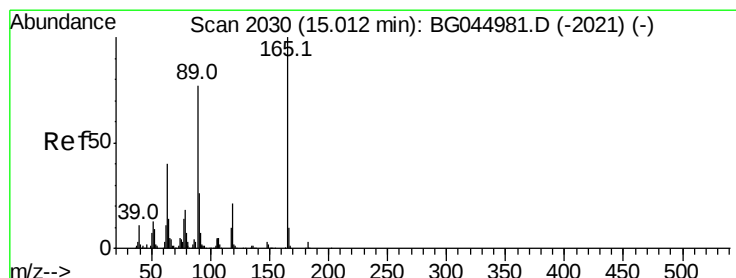
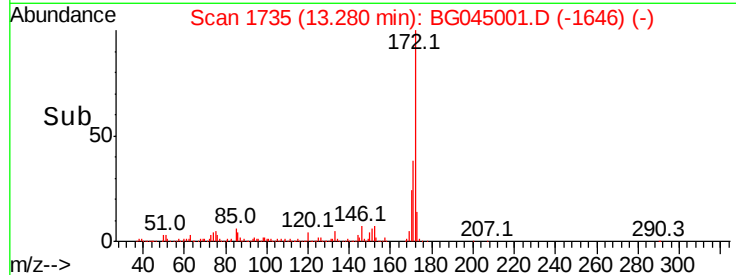
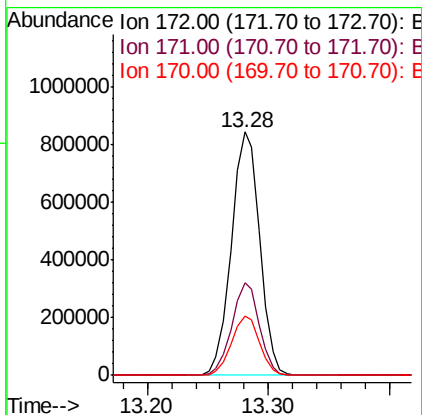
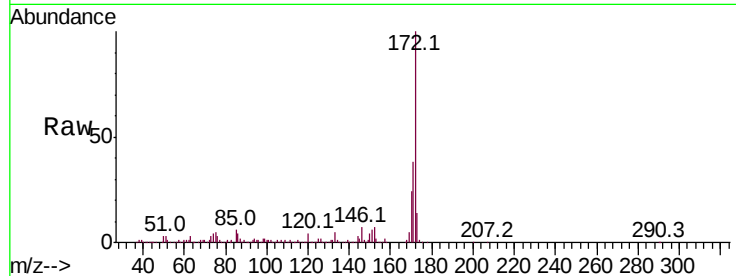




#45
2-Fluorobiphenyl
Concen: 90.914 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

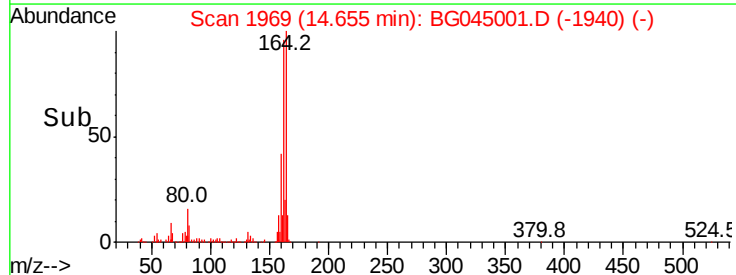
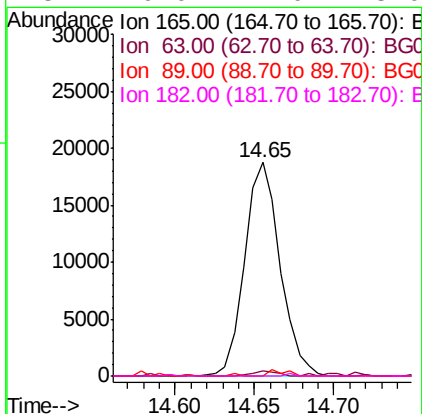
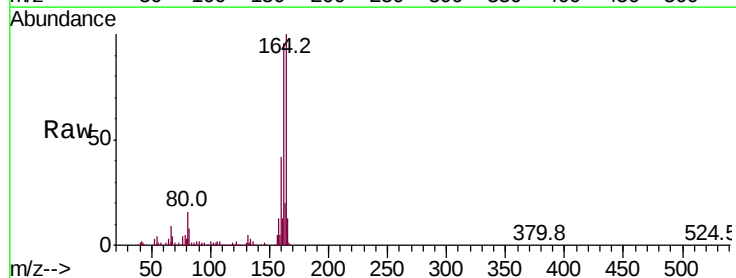
Instrument :
BNA_G
ClientSampleId :
CHASSIS-WASH

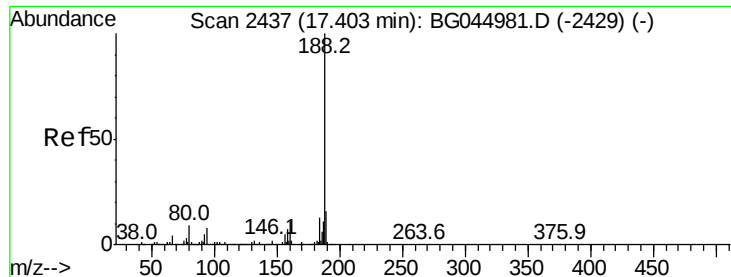
Tot Ion:172 Resp: 1371796
Ion Ratio Lower Upper
172 100
171 38.2 30.6 46.0
170 24.4 20.5 30.7



#57
2,4-Dinitrotoluene
Concen: 4.924 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.36 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

Tgt Ion:165 Resp: 28994
Ion Ratio Lower Upper
165 100
63 2.6 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: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

ClientSampleId :

CHASSIS-WASH

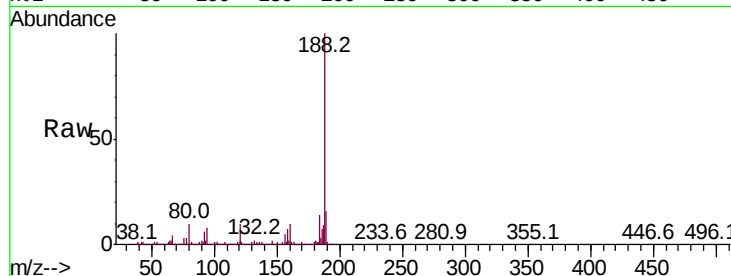
Tot Ion:188 Resp: 534654

Ion Ratio Lower Upper

188 100

94 7.8 6.2 9.4

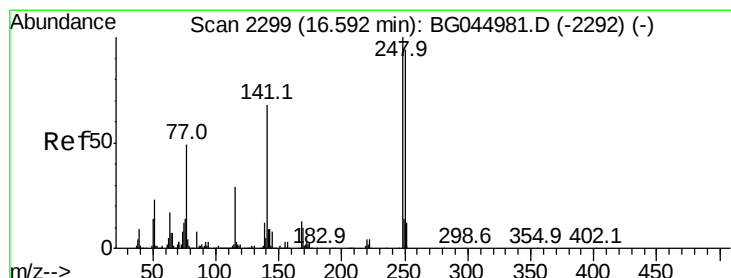
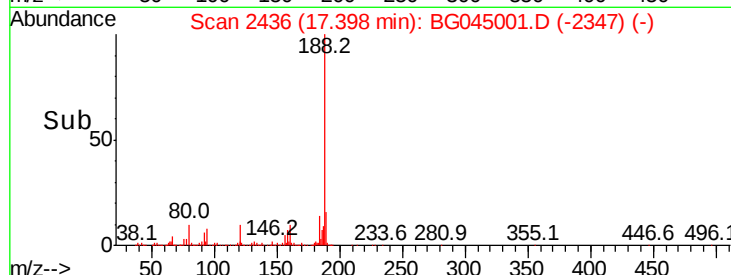
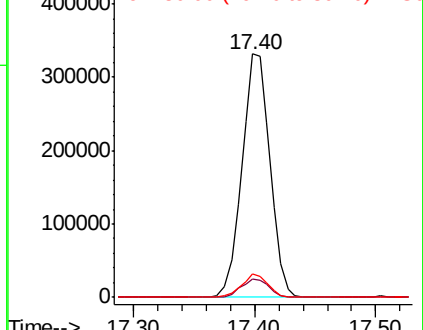
80 9.6 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.217 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

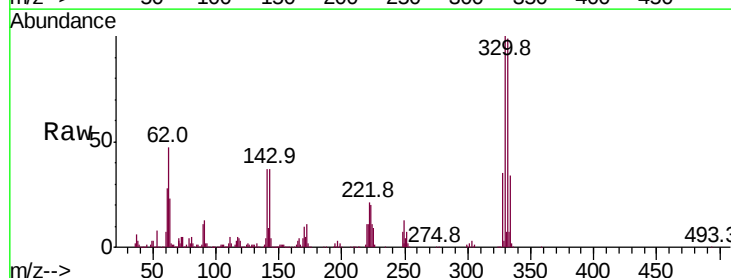
Tgt Ion:248 Resp: 35985

Ion Ratio Lower Upper

248 100

250 173.8 75.4 113.2#

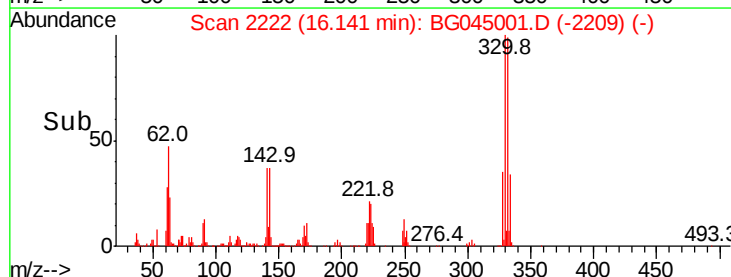
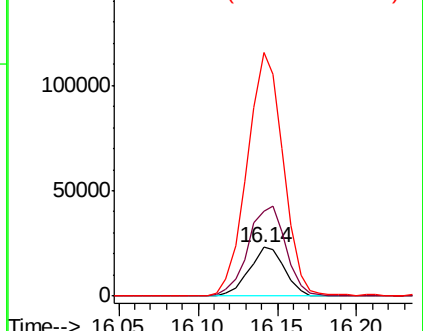
141 501.0 54.4 81.6#

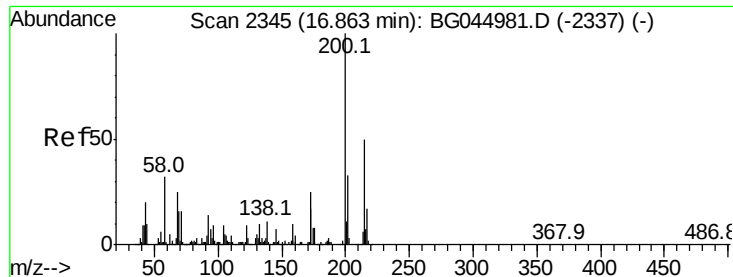


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. -0.01 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

ClientSampleId :

CHASSIS-WASH

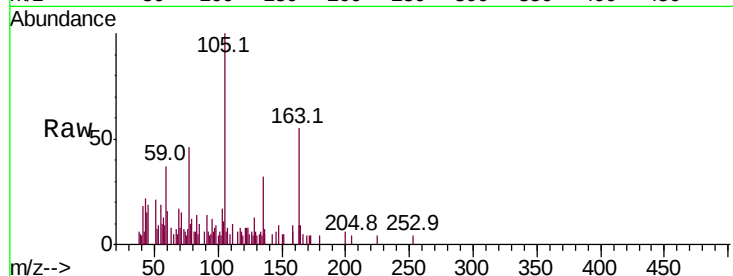
Tot Ion:200 Resp: 84

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

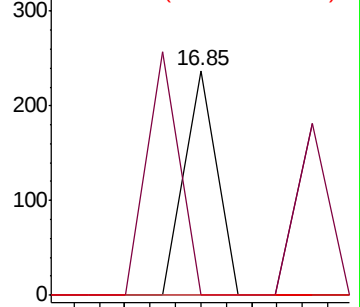
215 0.0 30.0 70.0#



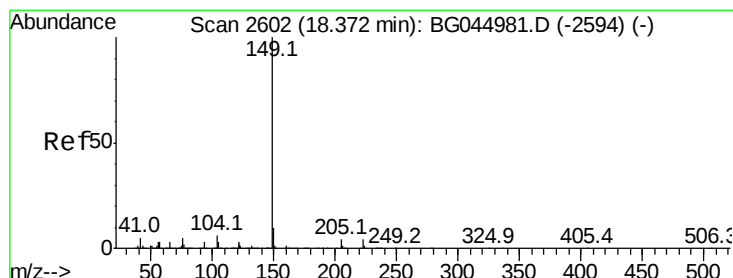
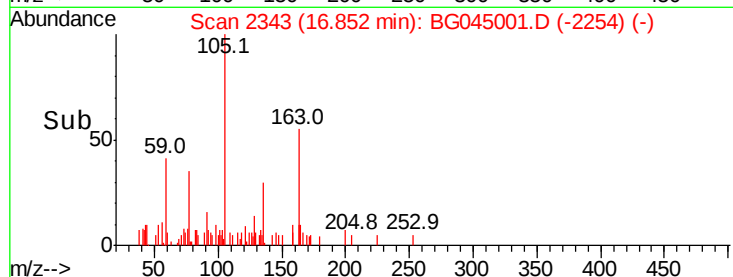
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

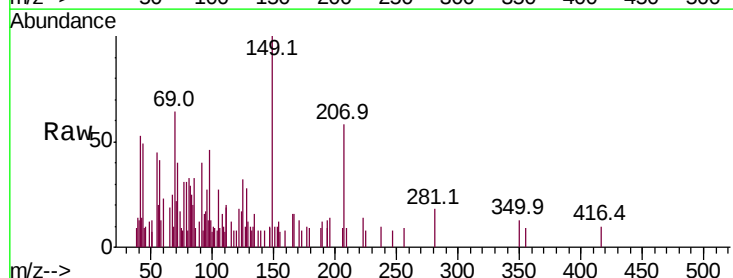
Tgt Ion:149 Resp: 3073

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

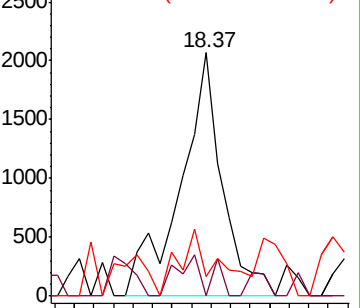
104 8.2 4.8 7.2#



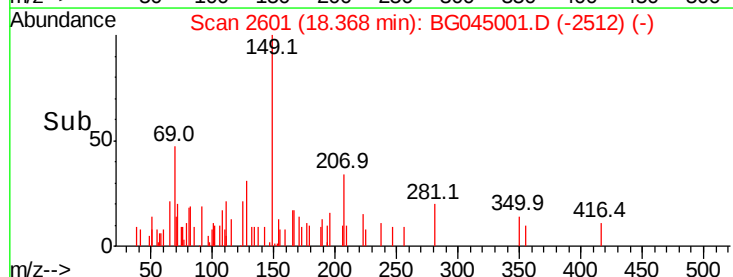
Abundance Ion 149.00 (148.70 to 149.70): E

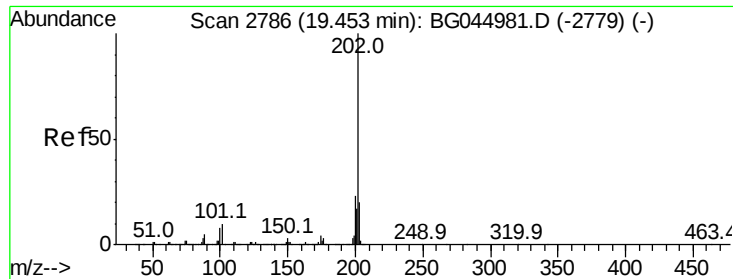
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

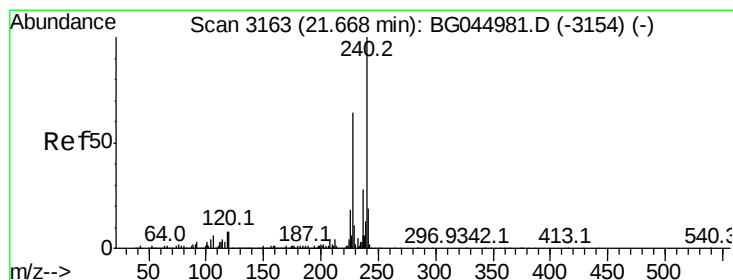
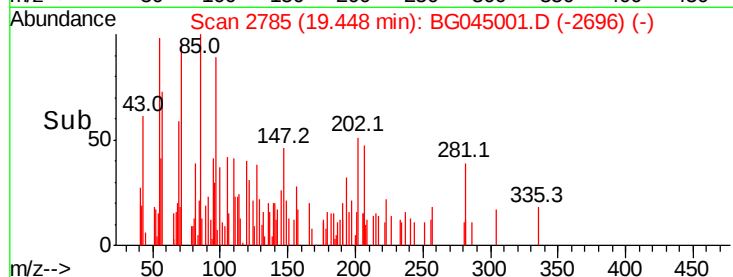
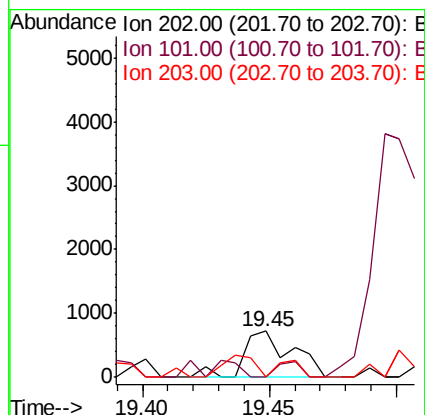
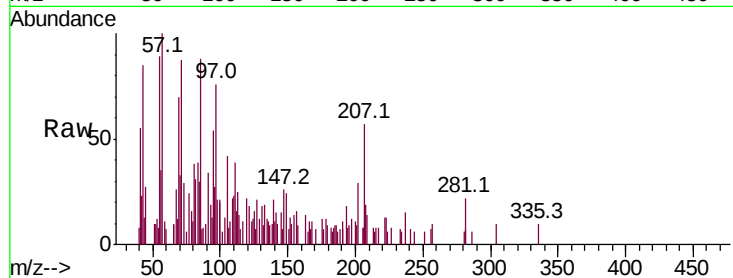




#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

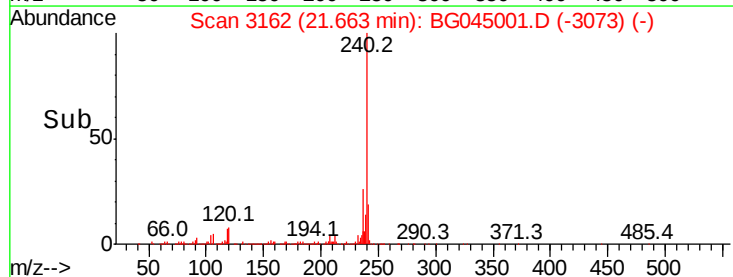
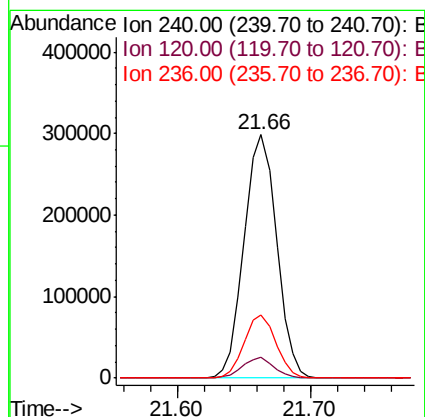
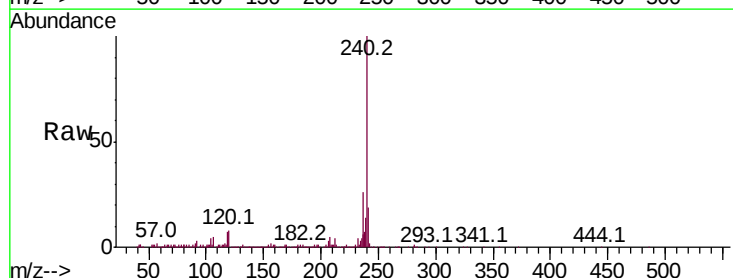
Instrument :
BNA_G
ClientSampleId :
CHASSIS-WASH

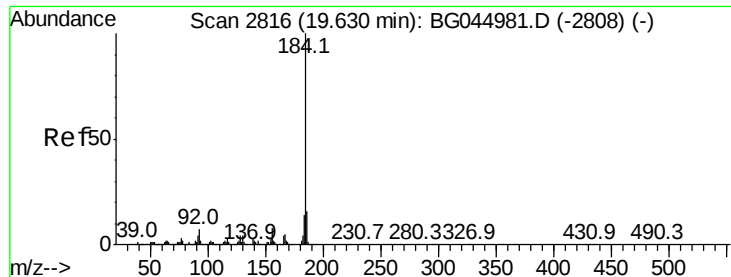
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.6	10.0
236	26.1	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.38 min Scan# 2773

Delta R.T. -0.25 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

Instrument :

BNA_G

ClientSampleId :

CHASSIS-WASH

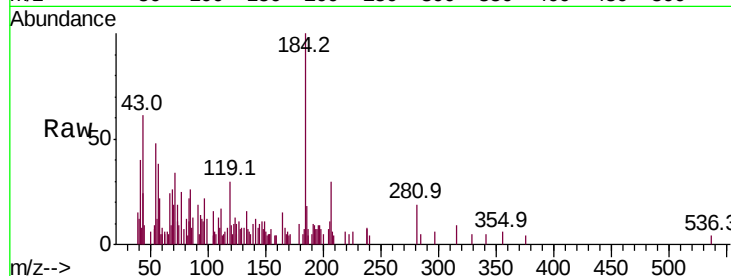
Tot Ion:184 Resp: 5296

Ion Ratio Lower Upper

184 100

185 17.8 12.6 19.0

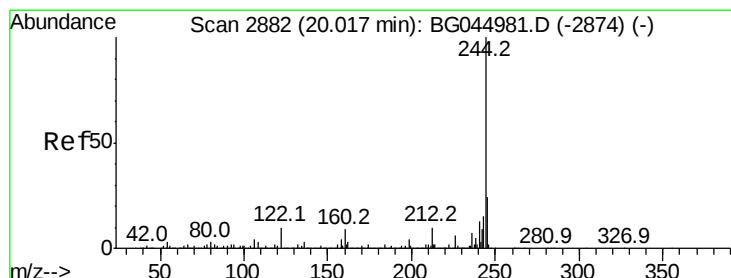
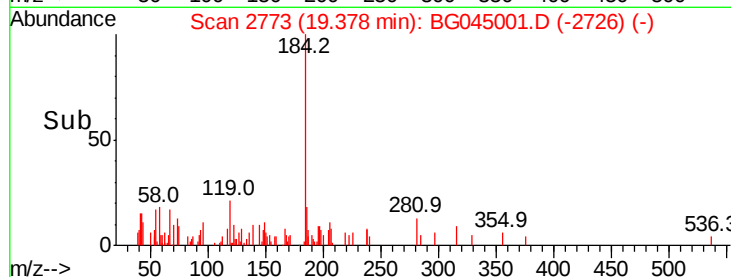
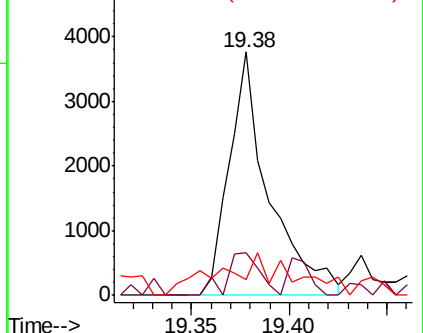
183 6.6 11.3 16.9#



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: 103.235 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045001.D

Acq: 16 Apr 2020 3:34

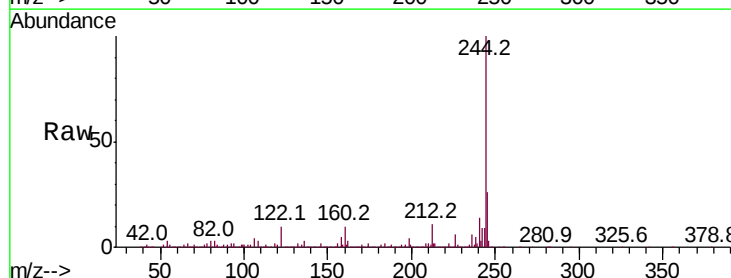
Tgt Ion:244 Resp: 2390092

Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

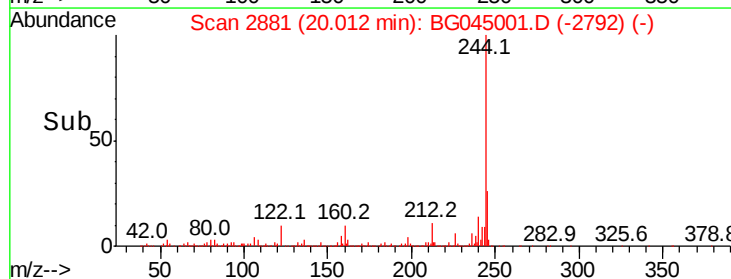
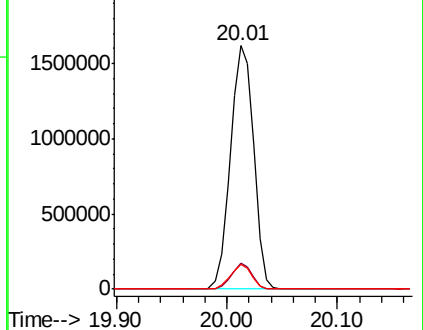
122 10.1 7.7 11.5

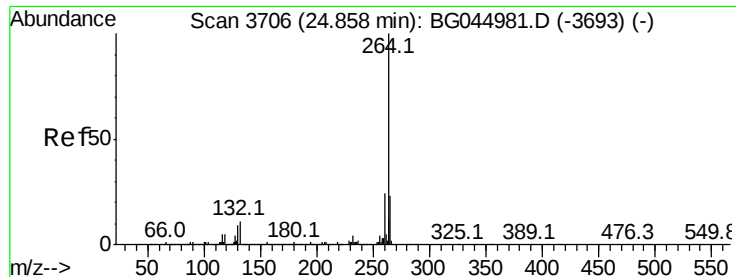


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

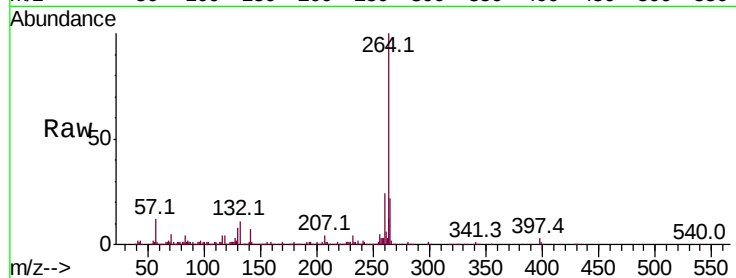




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3705
Delta R.T. -0.00 min
Lab File: BG045001.D
Acq: 16 Apr 2020 3:34

Instrument :
BNA_G
ClientSampleId :
CHASSIS-WASH

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	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

