

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045012.D
 Acq On : 16 Apr 2020 18:50
 Operator : CG/JU
 Sample : L2287-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GLOUCESTER-SP

Quant Time: Apr 17 04:38:13 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	71699	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	310800	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	243619	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	614285	20.00	ng	0.00
76) Chrysene-d12	21.66	240	585975	20.00	ng	0.00
87) Perylene-d12	24.85	264	627687	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	338722	77.99	ng	0.00
7) Phenol-d6	7.18	99	526956	81.67	ng	0.00
23) Nitrobenzene-d5	9.17	82	364681	53.54	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	315940	83.95	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	926633	55.77	ng	0.00
79) Terphenyl-d14	20.01	244	1695014	63.05	ng	0.00

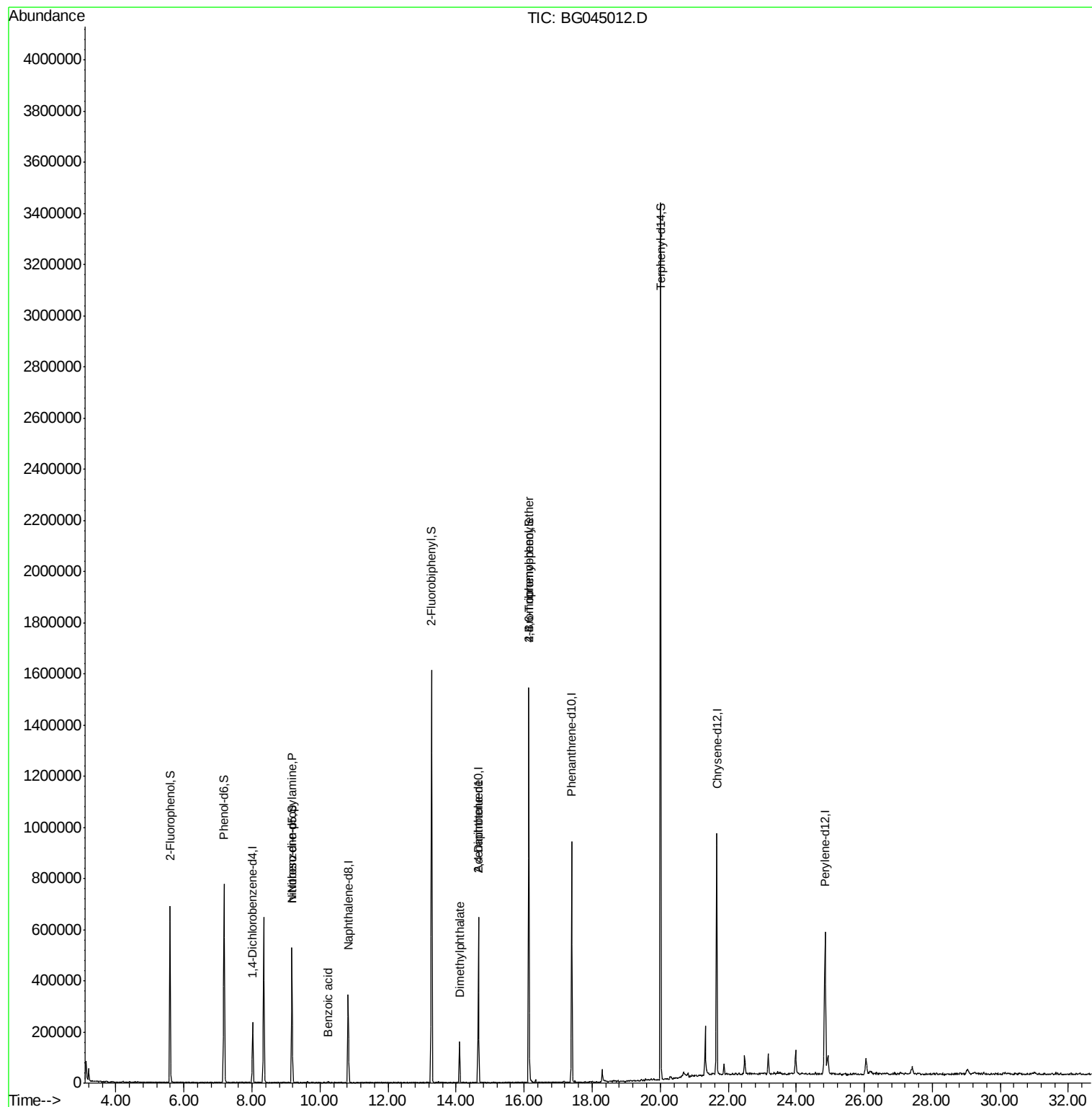
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	153	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	46915	10.281	ng	# 79
32) Benzoic acid	10.22	122	163	6.410	ng	# 1
50) Dimethylphthalate	14.10	163	111709	5.631	ng	# 99
57) 2,4-Dinitrotoluene	14.65	165	31945	4.927	ng	# 21
67) 4-Bromophenyl-phenylether	16.14	248	20233	2.553	ng	# 1
69) Atrazine	16.80	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	782	Below Cal	#	76
75) Fluoranthene	19.45	202	2826	Below Cal	#	91
77) Benzidine	20.01	184	29710	Below Cal	#	78

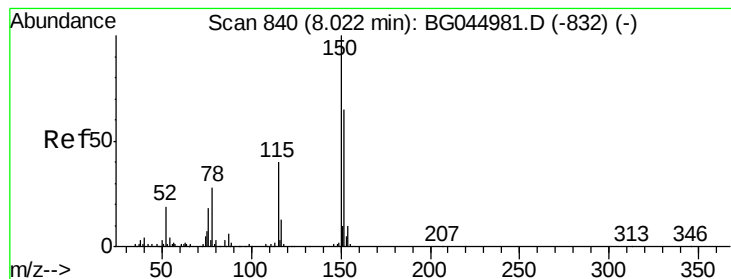
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

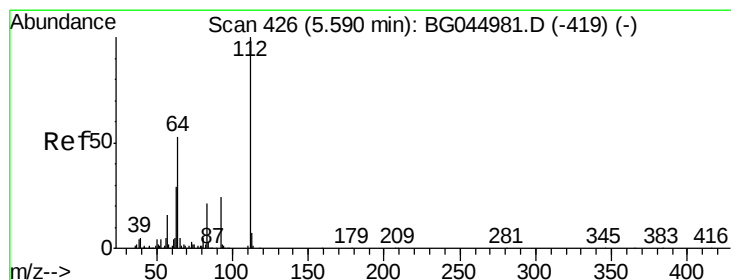
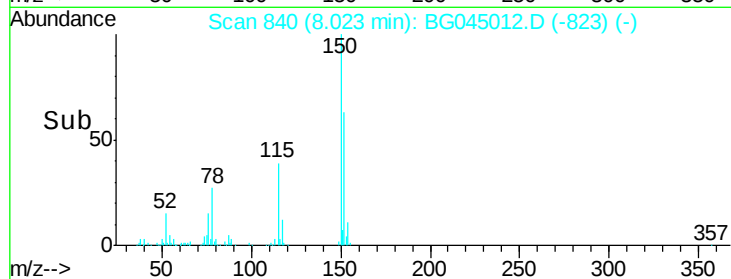
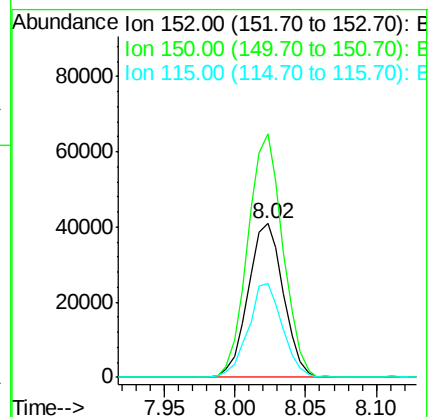
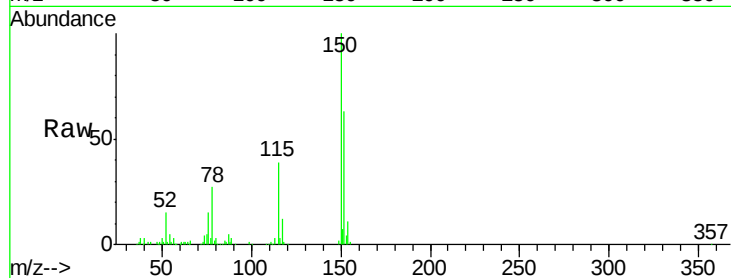
Tot Ion:152 Resp: 71699

Ion Ratio Lower Upper

152 100

150 158.4 123.6 185.4

115 61.3 49.1 73.7



#5

2-Fluorophenol

Concen: 77.994 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

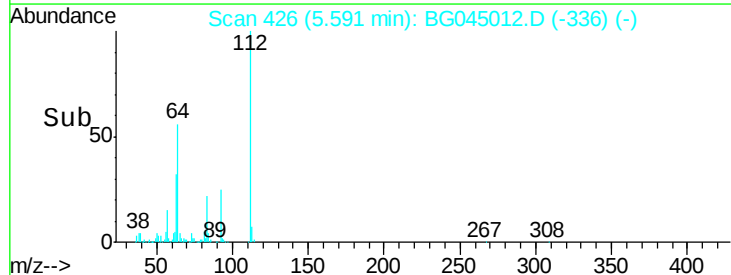
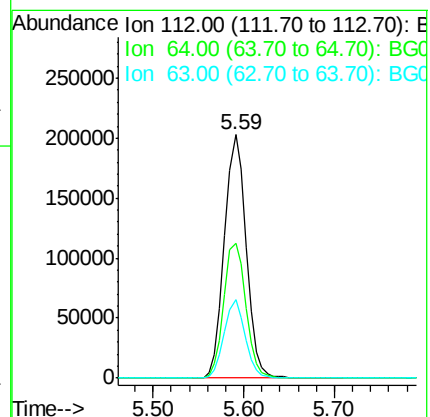
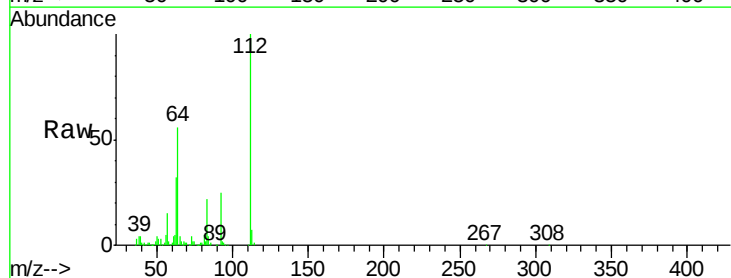
Tgt Ion:112 Resp: 338722

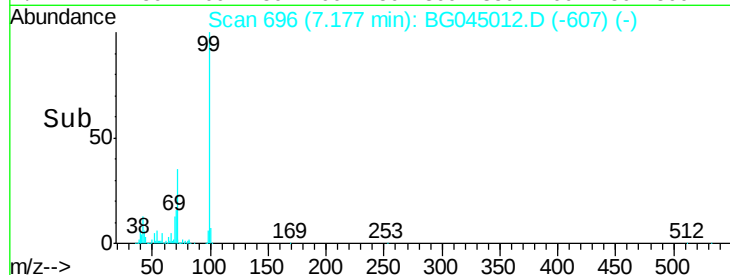
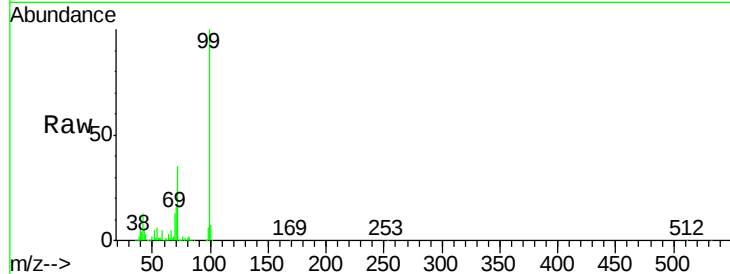
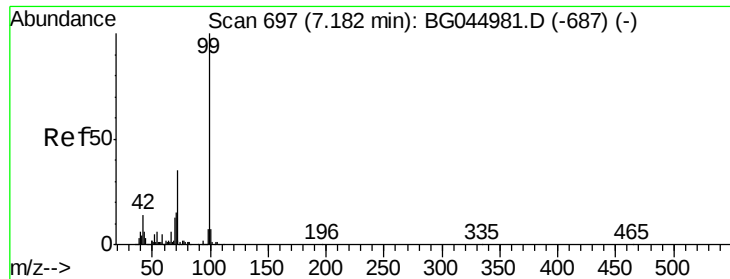
Ion Ratio Lower Upper

112 100

64 55.6 42.4 63.6

63 32.2 23.1 34.7





#7

Phenol-d6

Concen: 81.667 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

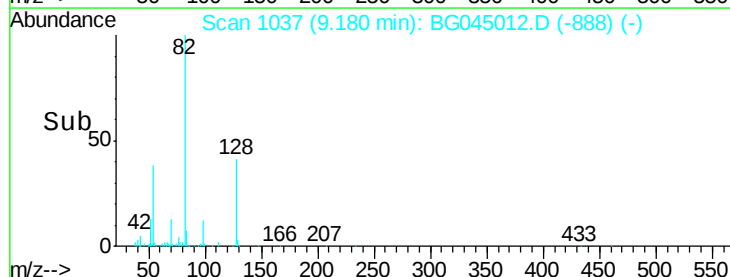
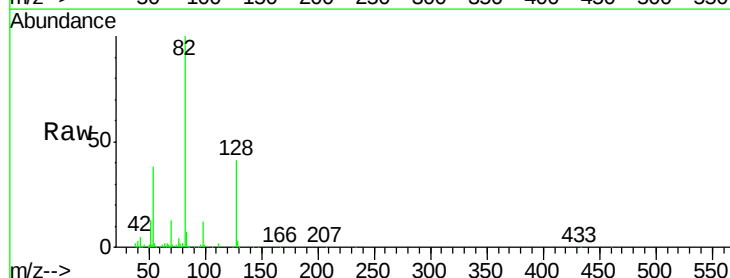
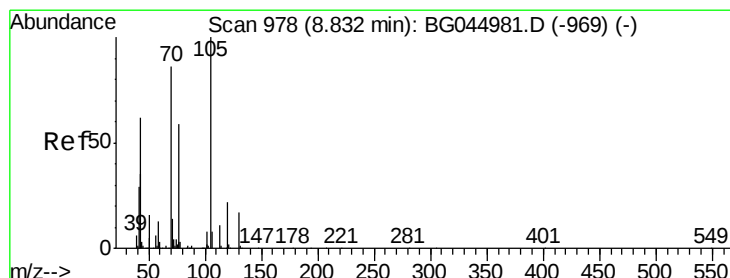
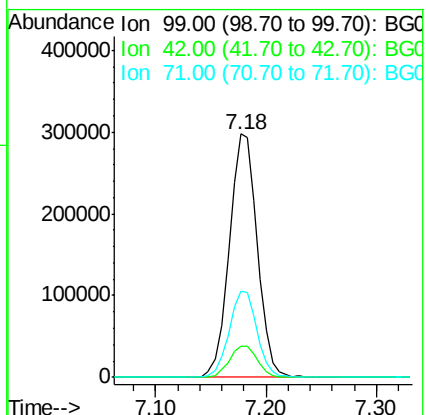
Tot Ion: 99 Resp: 526956

Ion Ratio Lower Upper

99 100

42 12.9 11.3 16.9

71 35.3 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.281 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

Tgt Ion: 70 Resp: 46915

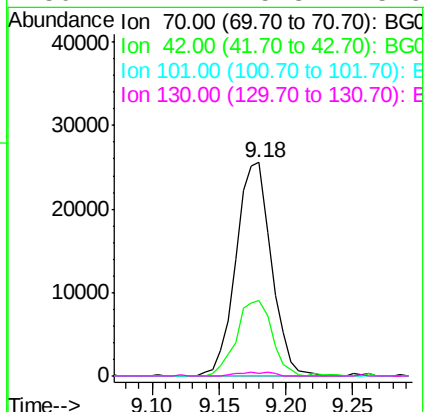
Ion Ratio Lower Upper

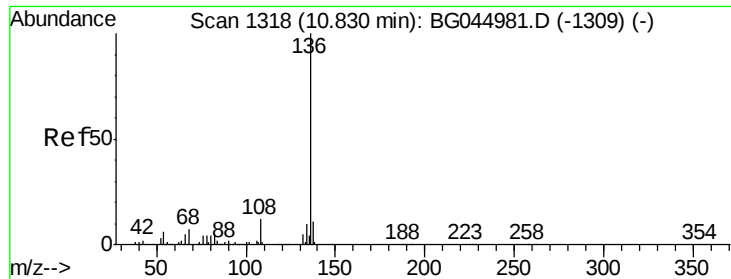
70 100

42 35.3 33.3 49.9

101 0.0 7.8 11.8#

130 1.4 15.8 23.6#

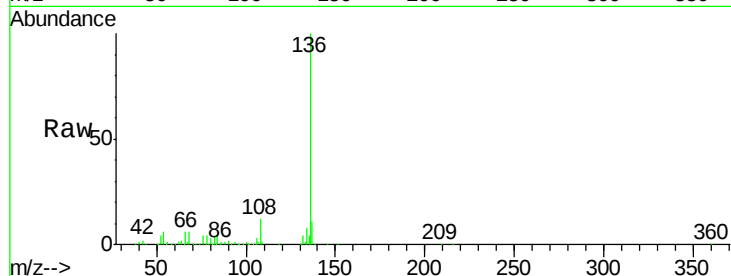




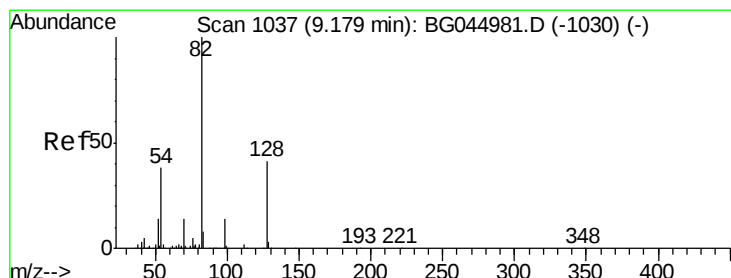
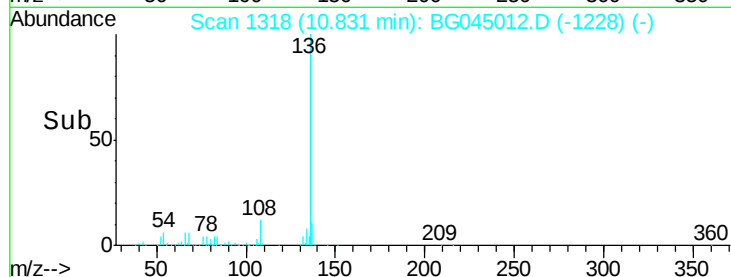
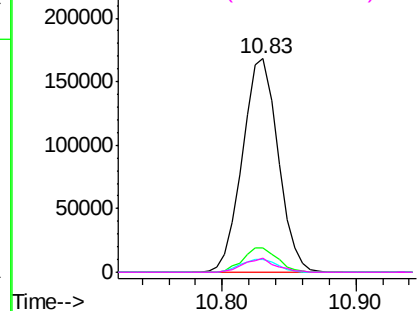
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

Instrument :
BNA_G
ClientSampleId :
GLOUCESTER-SP

Tot Ion:136	Resp:	310800
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.6 13.0
54	5.9	4.8 7.2
68	6.4	5.2 7.8

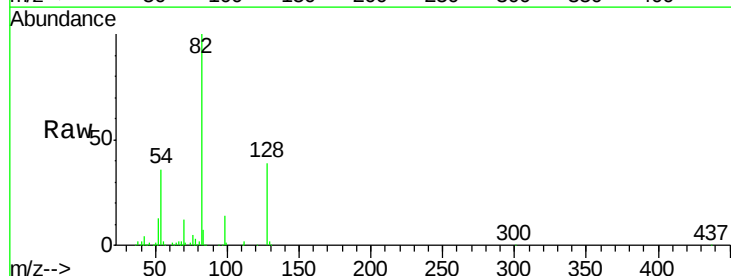


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

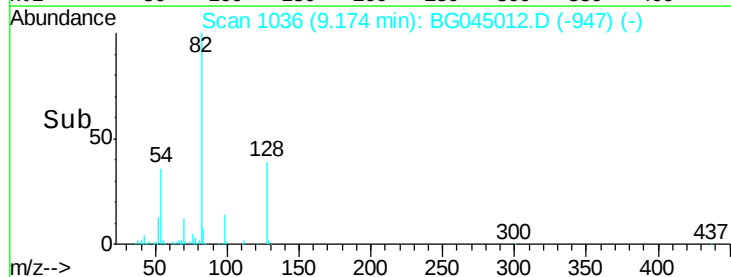
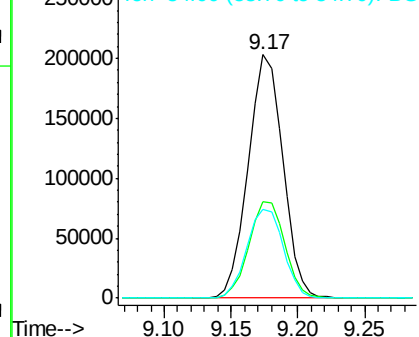


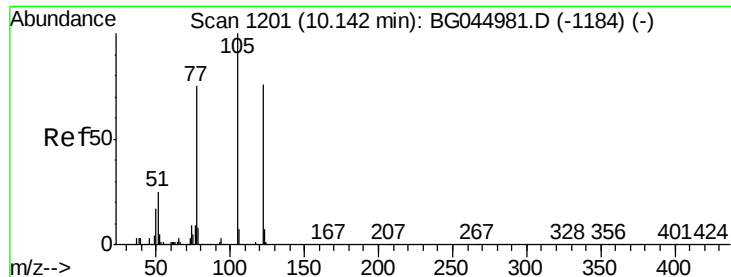
#23
Nitrobenzene-d5
Concen: 53.539 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

Tgt Ion: 82	Resp:	364681
Ion	Ratio	Lower Upper
82	100	
128	39.5	33.0 49.4
54	36.4	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: 6.410 ng

RT: 10.22 min Scan# 1214

Delta R.T. 0.08 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

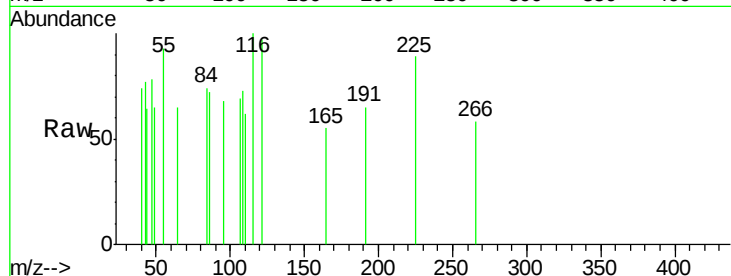
Tot Ion:122 Resp: 163

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

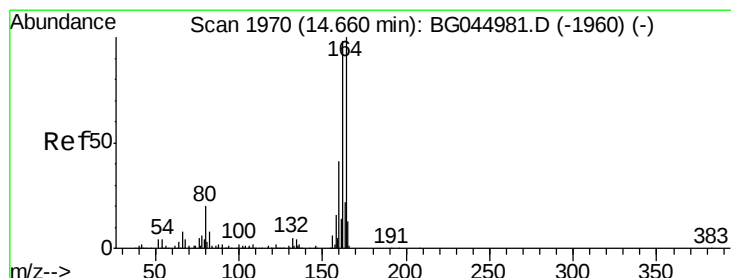
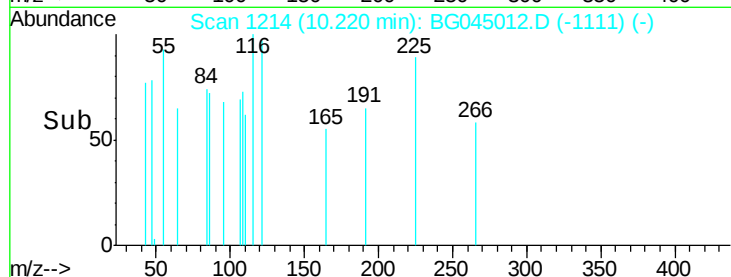
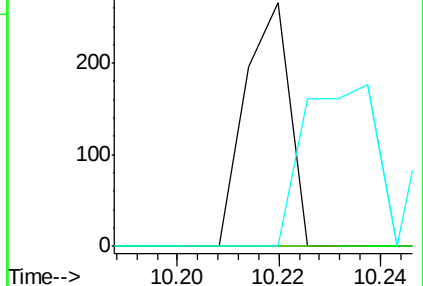
77 0.0 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

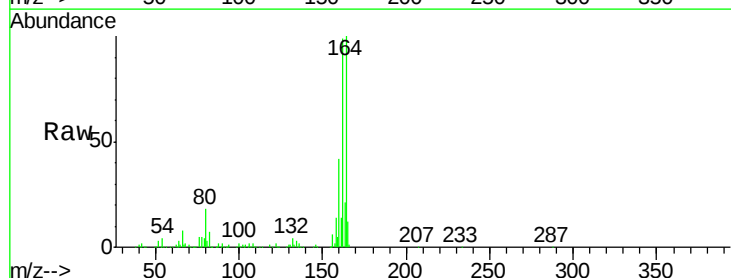
Tgt Ion:164 Resp: 243619

Ion Ratio Lower Upper

164 100

162 98.7 78.7 118.1

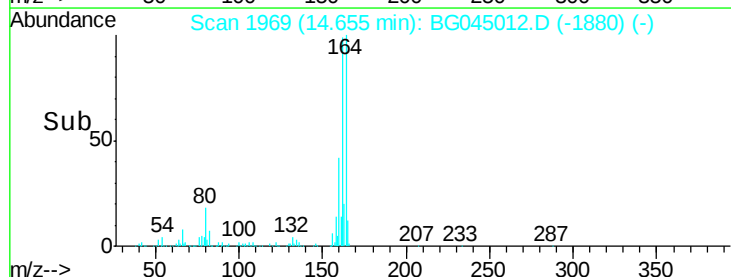
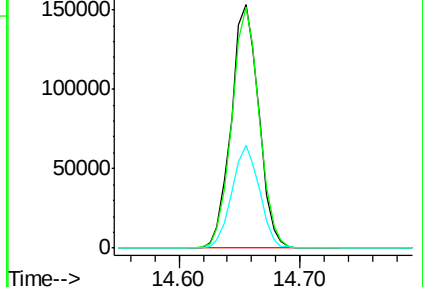
160 42.1 32.8 49.2

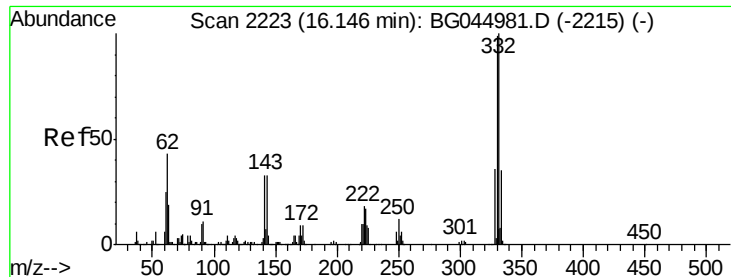


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

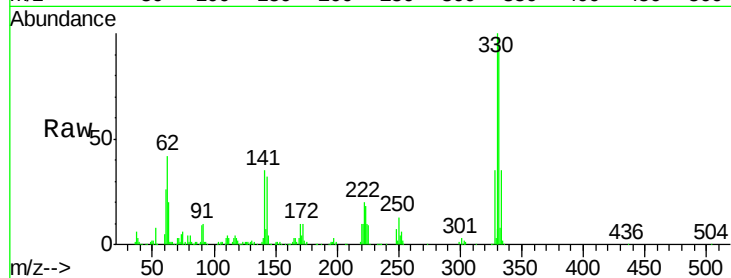




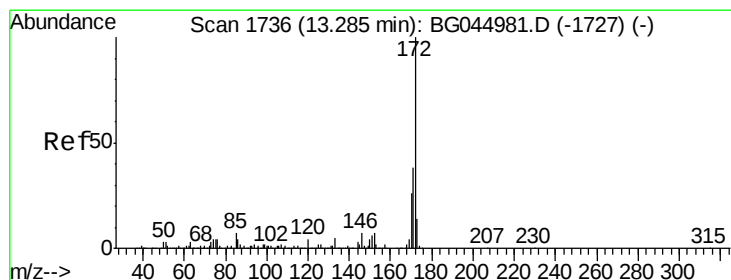
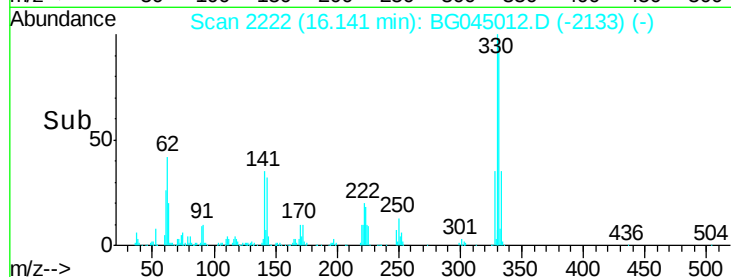
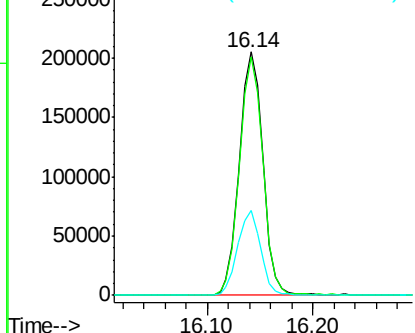
#42
2,4,6-Tribromophenol
Concen: 83.946 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

Instrument :
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GLOUCESTER-SP

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.1	118.7
141	34.1	27.1	40.7

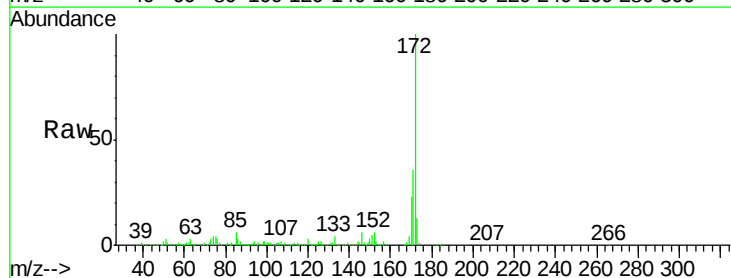


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

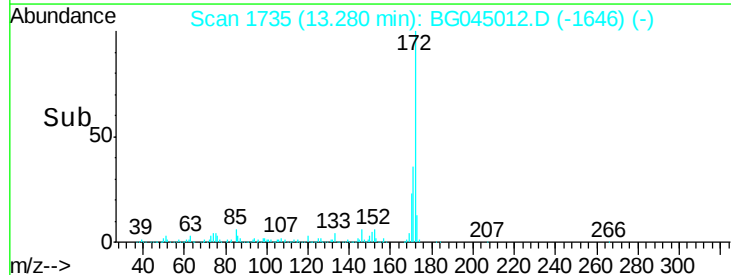
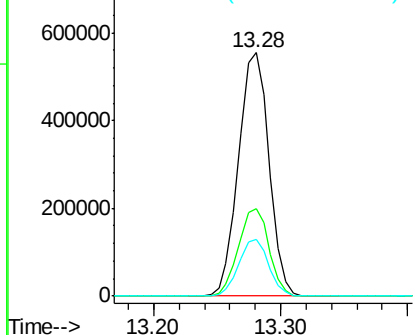


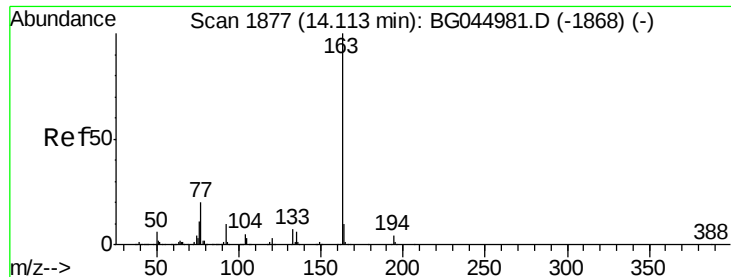
#45
2-Fluorobiphenyl
Concen: 55.773 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.6	46.0
170	23.4	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

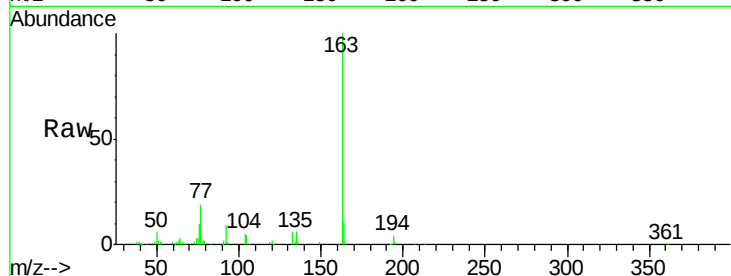




#50
Dimethylphthalate
Concen: 5.631 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

Instrument :
BNA_G
ClientSampleId :
GLOUCESTER-SP

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.9	8.2	12.4

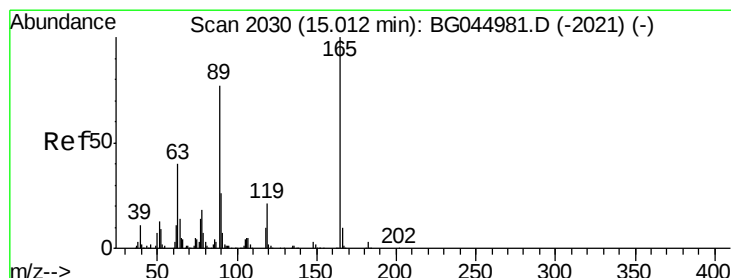
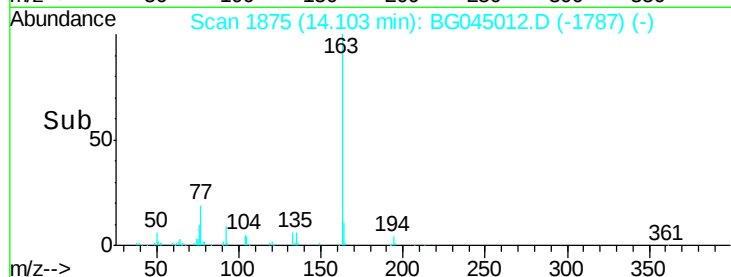
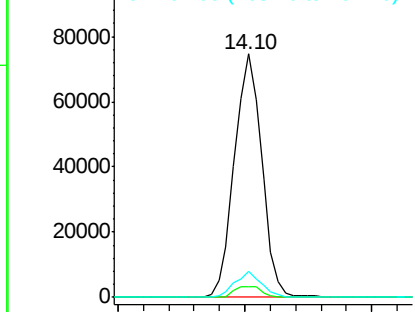


Abundance

Ion 163.00 (162.70 to 163.70): E

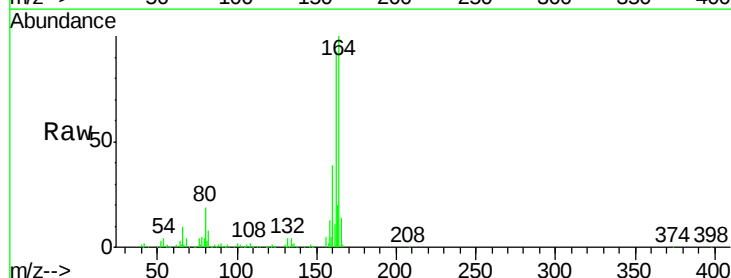
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 4.927 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

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



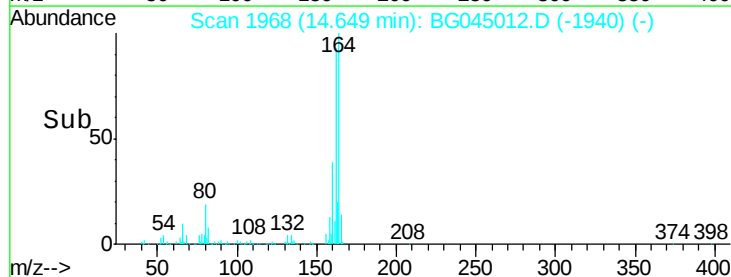
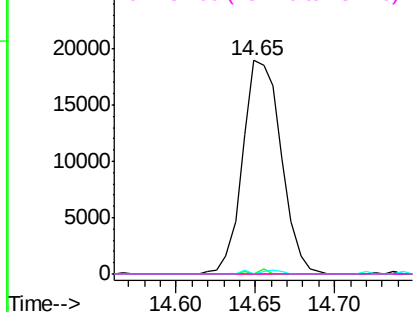
Abundance

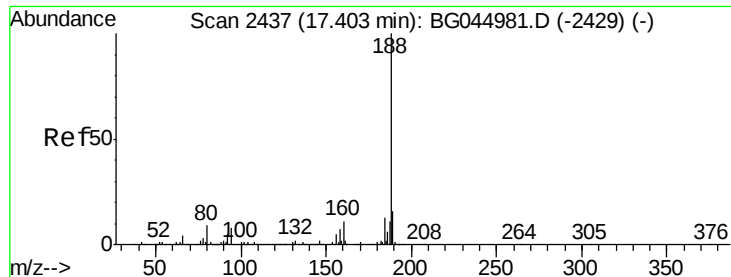
Ion 165.00 (164.70 to 165.70): E

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: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

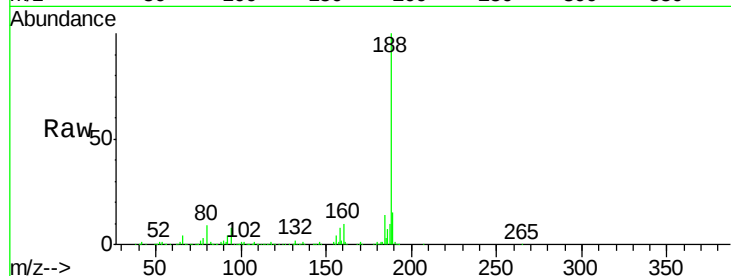
Tot Ion:188 Resp: 614285

Ion Ratio Lower Upper

188 100

94 7.8 6.2 9.4

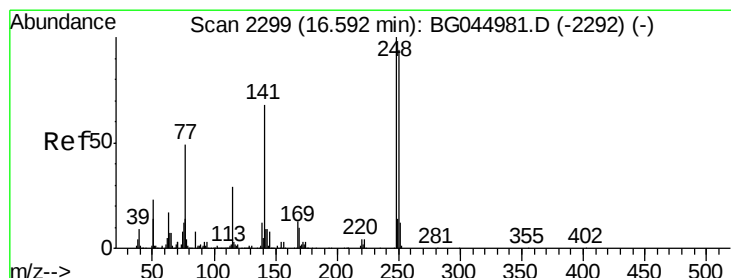
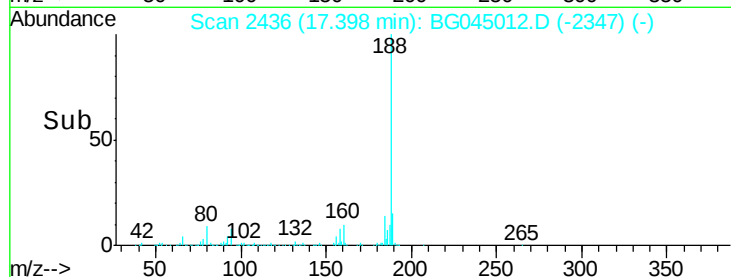
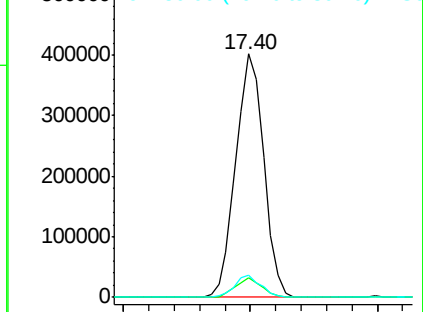
80 8.9 7.0 10.6



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: 2.553 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

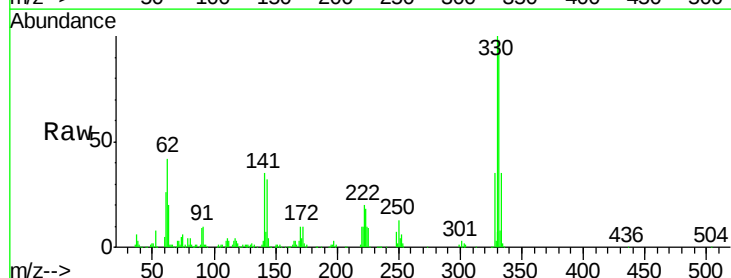
Tgt Ion:248 Resp: 20233

Ion Ratio Lower Upper

248 100

250 190.1 75.4 113.2#

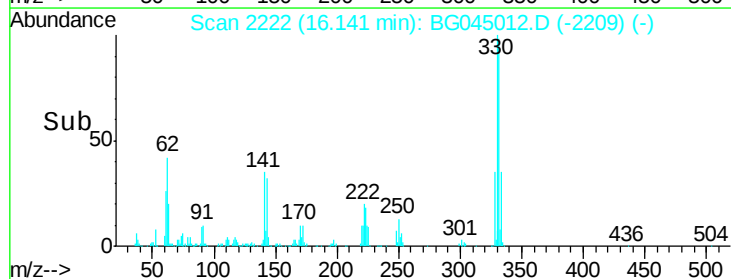
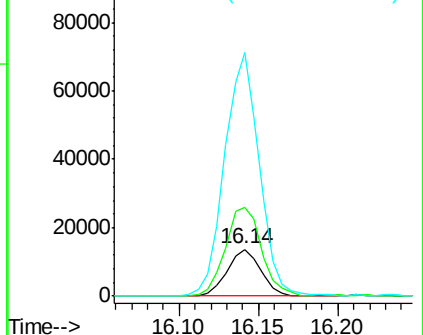
141 522.6 54.4 81.6#

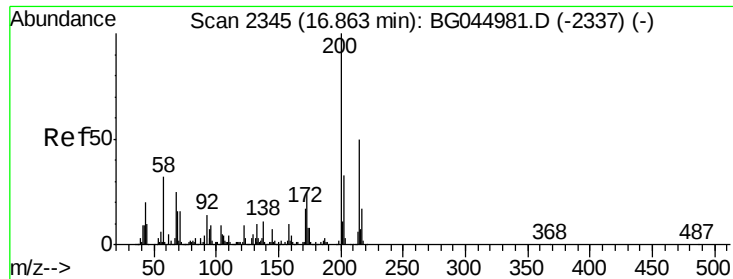


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.80 min Scan# 2334

Delta R.T. -0.06 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

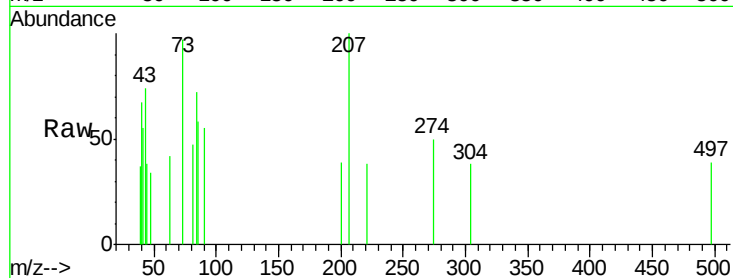
Tot Ion:200 Resp: 62

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

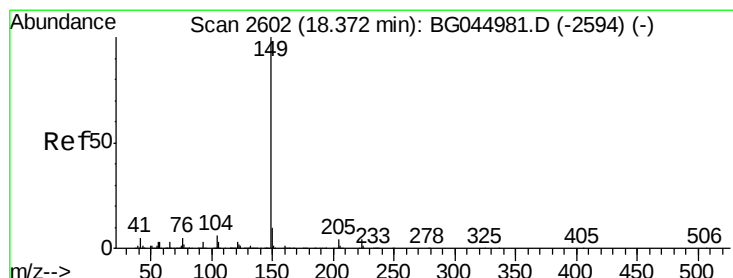
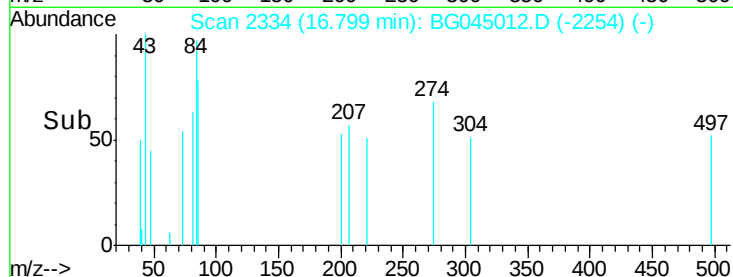
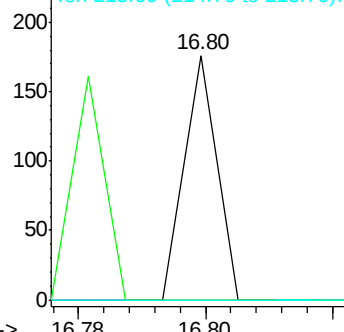
215 0.0 30.0 70.0#



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: BG045012.D

Acq: 16 Apr 2020 18:50

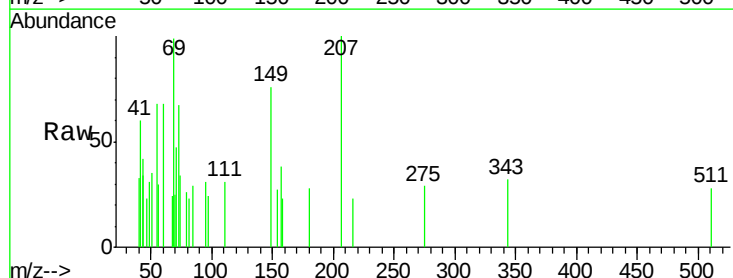
Tgt Ion:149 Resp: 782

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

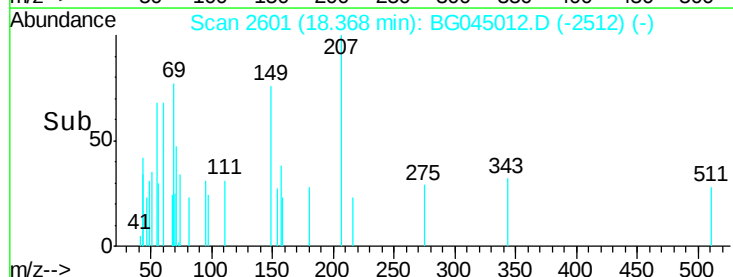
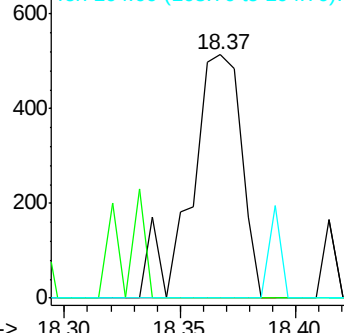
104 0.0 4.8 7.2#

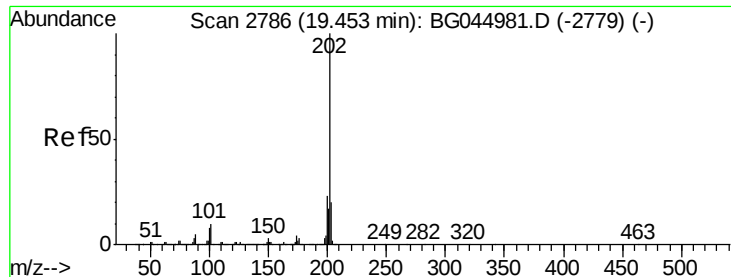


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

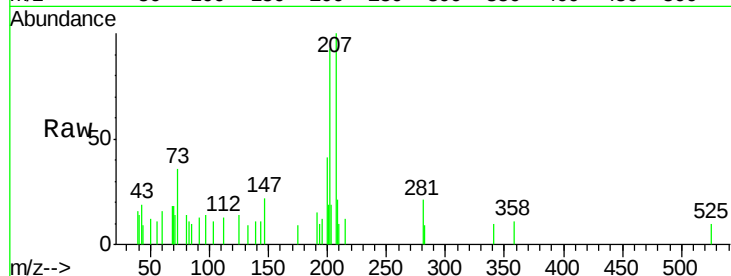
Tot Ion:202 Resp: 2826

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

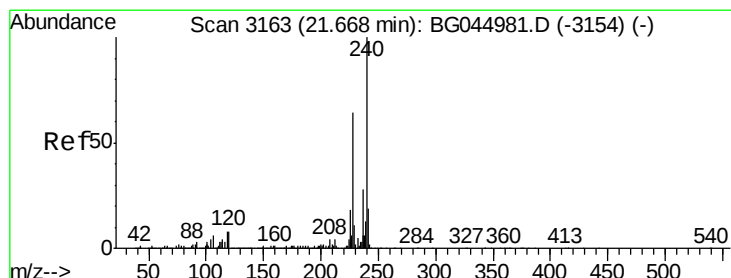
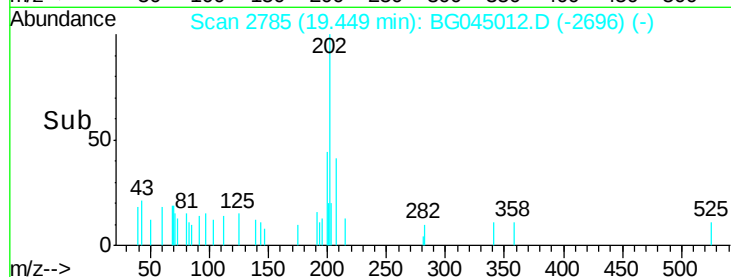
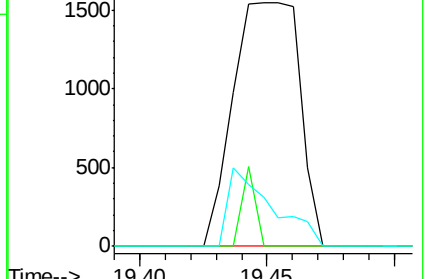
203 20.1 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

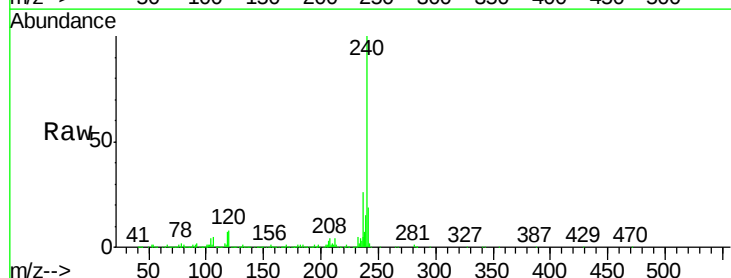
Tgt Ion:240 Resp: 585975

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

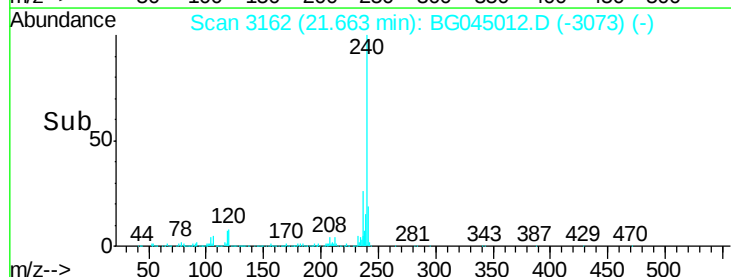
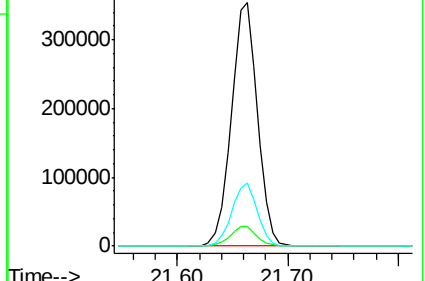
236 25.7 22.2 33.2

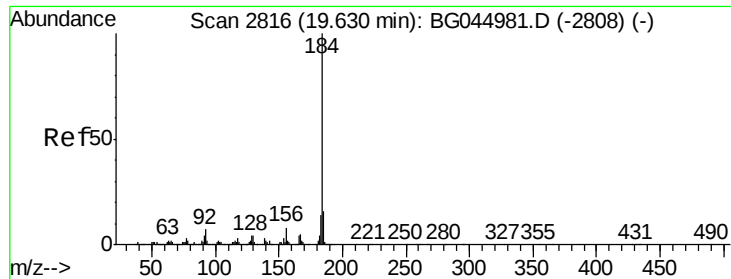


Abundance Ion 240.00 (239.70 to 240.70): E

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. 0.38 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

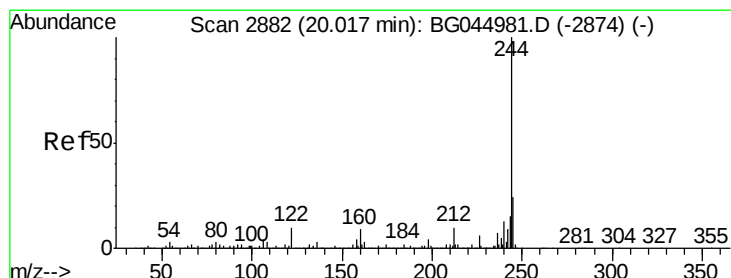
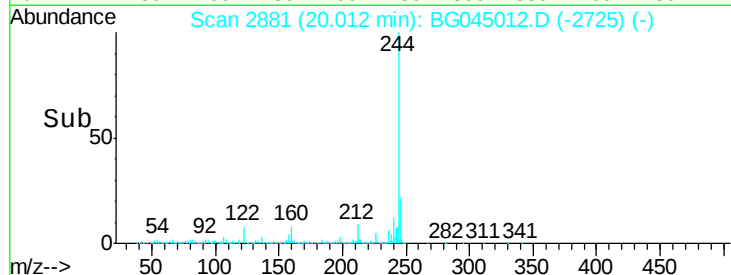
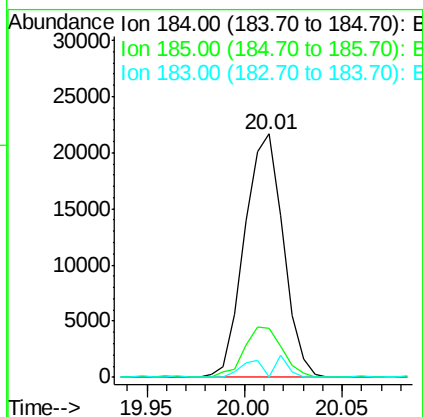
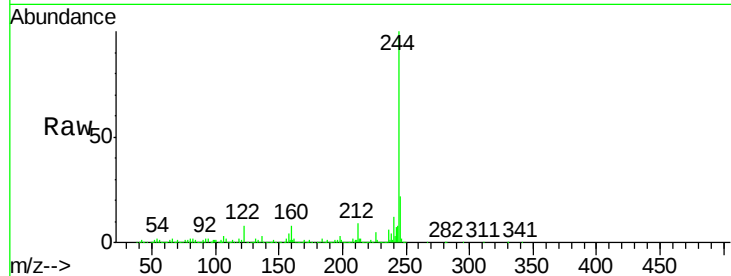
Tot Ion:184 Resp: 29710

Ion Ratio Lower Upper

184 100

185 20.3 12.6 19.0#

183 0.0 11.3 16.9#



#79

Terphenyl-d14

Concen: 63.047 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045012.D

Acq: 16 Apr 2020 18:50

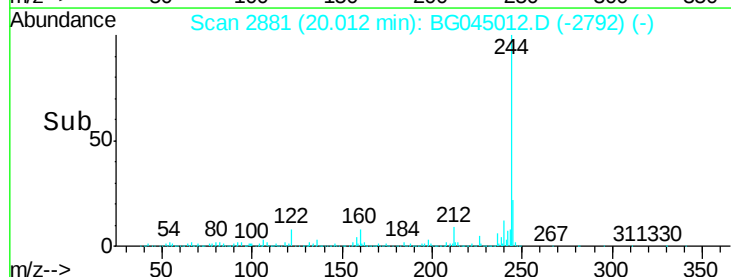
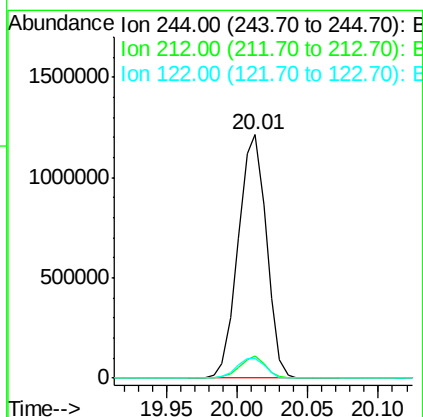
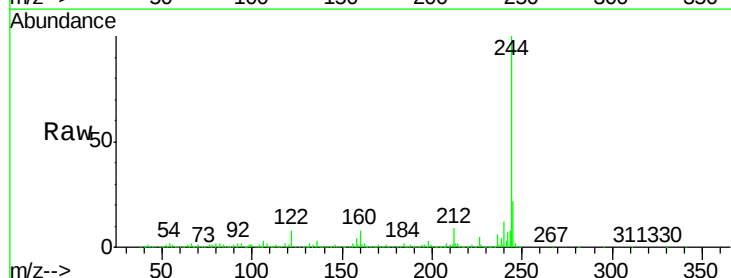
Tgt Ion:244 Resp: 1695014

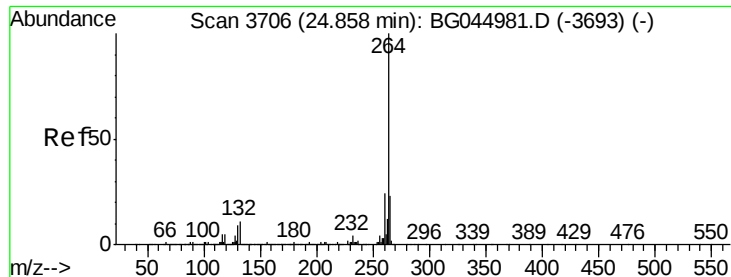
Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

122 8.2 7.7 11.5





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG045012.D
Acq: 16 Apr 2020 18:50

Instrument :
BNA_G
ClientSampleId :
GLOUCESTER-SP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.6	19.0	28.4

