

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG041720\
 Data File : BG045036.D
 Acq On : 17 Apr 2020 17:06
 Operator : CG/JU
 Sample : L2284-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GLOUCESTER-SP

Quant Time: Apr 17 17:55:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

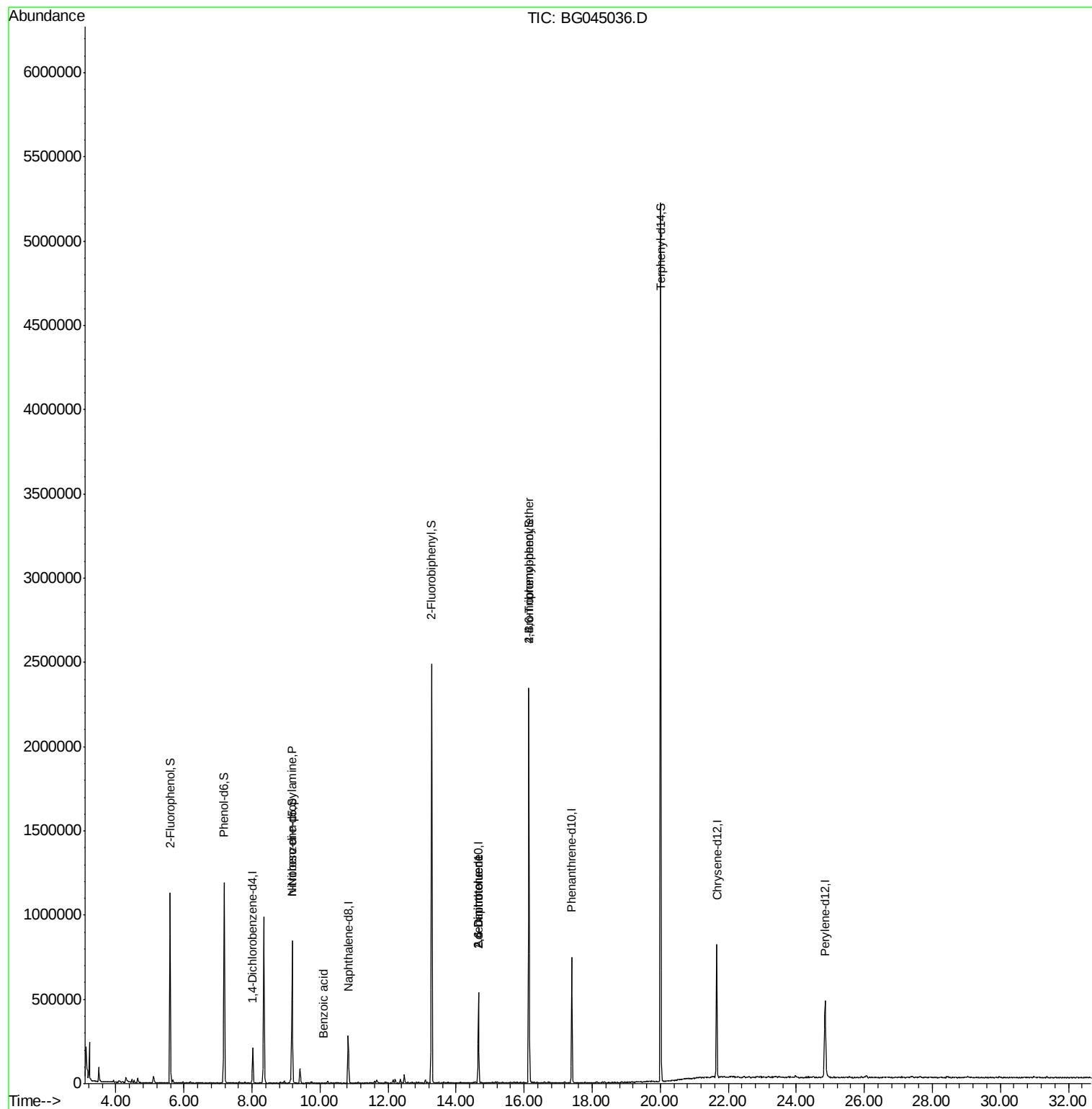
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	60554	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	255120	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	202524	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	502115	20.00	ng	0.00
76) Chrysene-d12	21.66	240	500022	20.00	ng	0.00
87) Perylene-d12	24.85	264	518174	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	542604	147.94	ng	0.00
7) Phenol-d6	7.18	99	773749	141.99	ng	0.00
23) Nitrobenzene-d5	9.18	82	556554	99.54	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	494073	157.91	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1365543	98.87	ng	0.00
79) Terphenyl-d14	20.01	244	2441482	106.42	ng	0.00
Target Compounds						
9) Benzaldehyde	7.18	77	1708	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	77207	20.034	ng	# 83
32) Benzoic acid	10.11	122	154	6.416	ng	# 42
51) 2,6-Dinitrotoluene	14.65	165	24922	6.757	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	24922	4.624	ng	# 24
67) 4-Bromophenyl-phenylether	16.15	248	33587	5.185	ng	# 1
69) Atrazine	16.91	200	120	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	3079	Below Cal	#	97
75) Fluoranthene	19.27	202	231	Below Cal	#	62
77) Benzidine	20.01	184	48028	Below Cal	#	91

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

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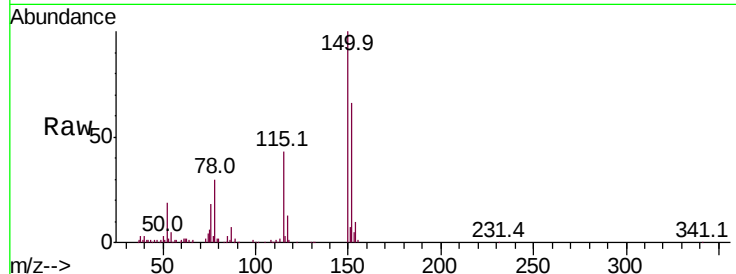


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045036.D
Acq: 17 Apr 2020 17:06

Instrument :
BNA_G
ClientSampleId :
GLOUCESTER-SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.6	185.4
115	65.1	49.1	73.7

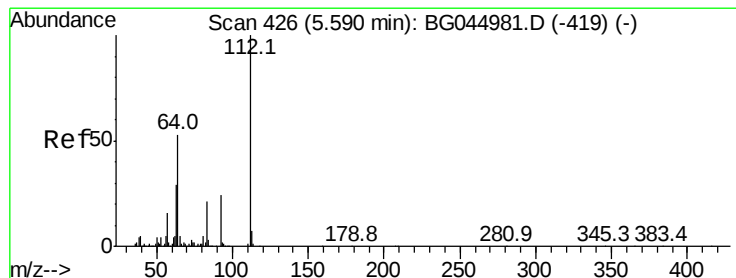
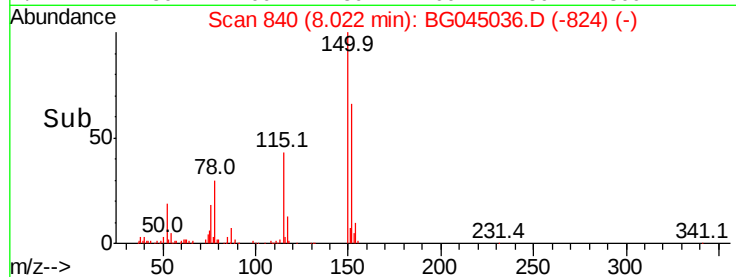
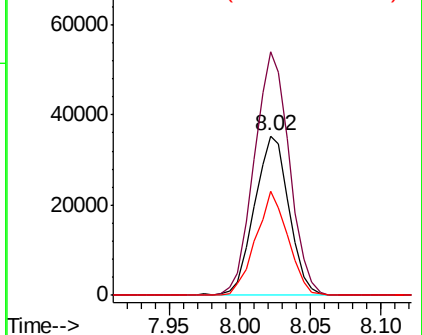


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

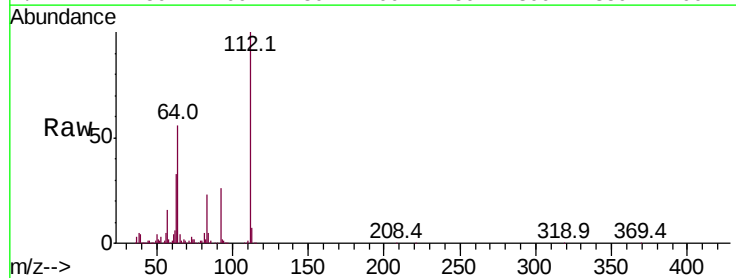
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 147.936 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045036.D
Acq: 17 Apr 2020 17:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	42.4	63.6
63	32.5	23.1	34.7

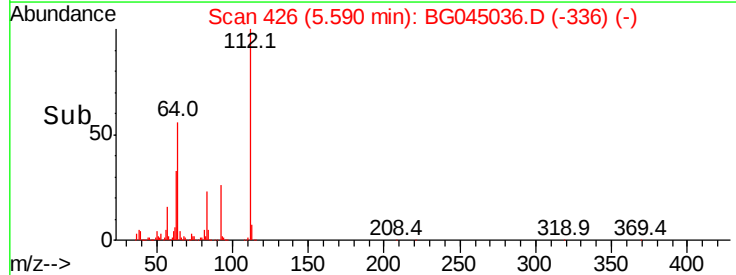
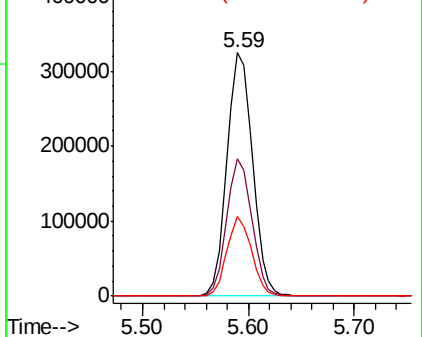


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 141.986 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

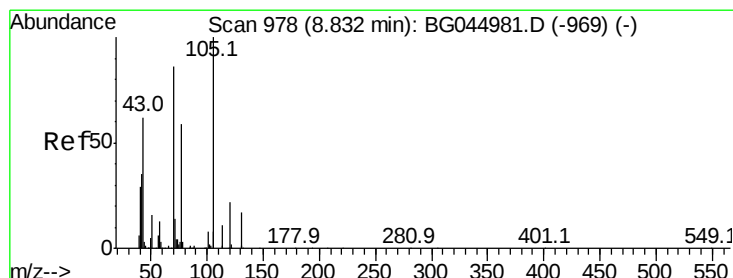
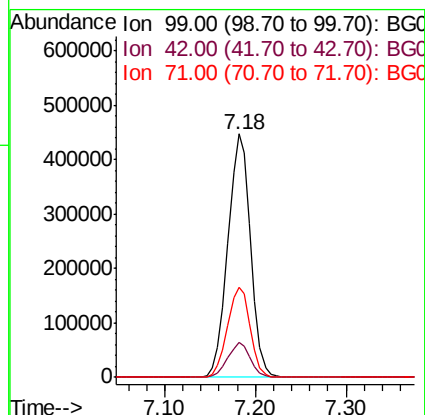
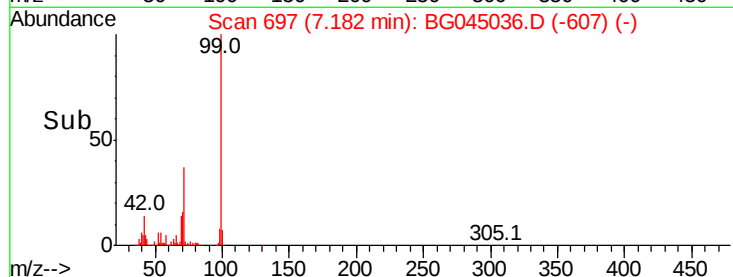
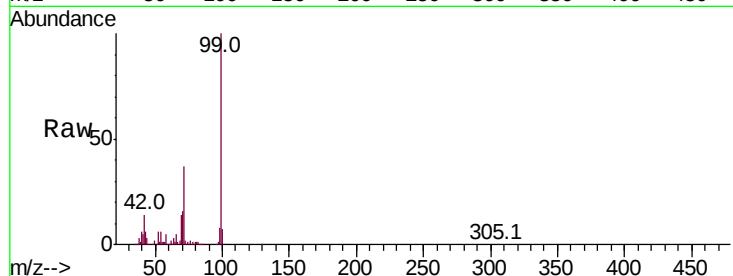
Tot Ion: 99 Resp: 773749

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 37.0 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 20.034 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

Tgt Ion: 70 Resp: 77207

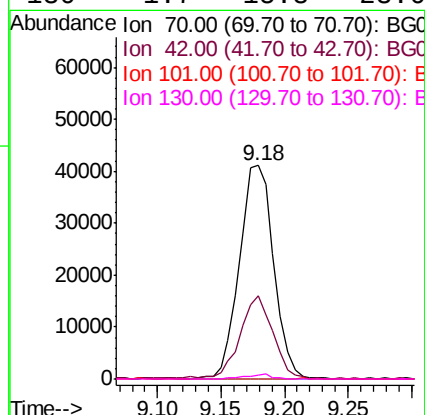
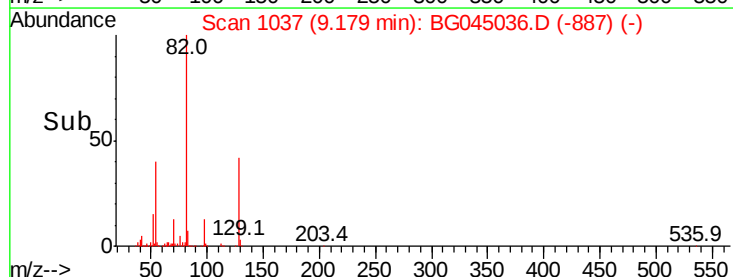
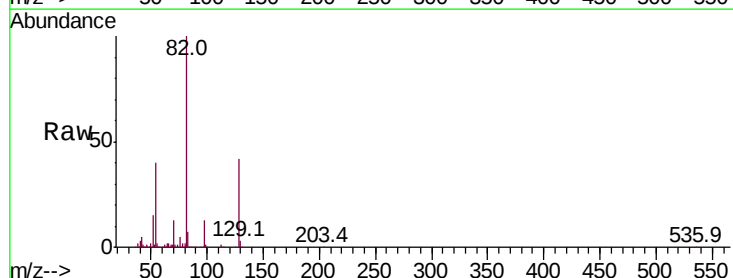
Ion Ratio Lower Upper

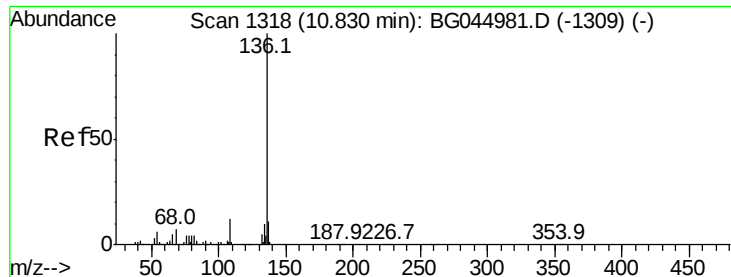
70 100

42 39.0 33.3 49.9

101 0.0 7.8 11.8#

130 1.7 15.8 23.6#

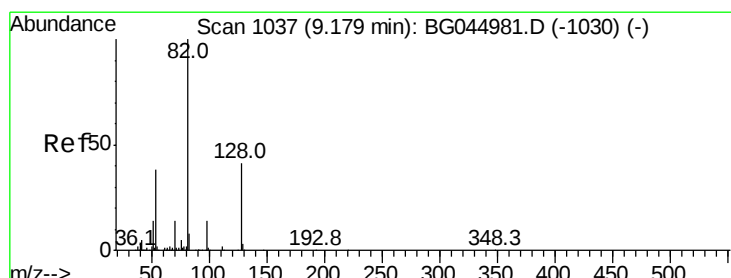
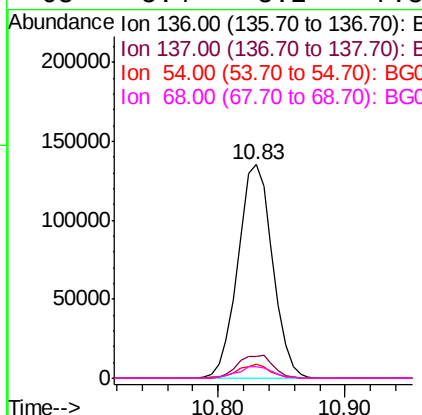
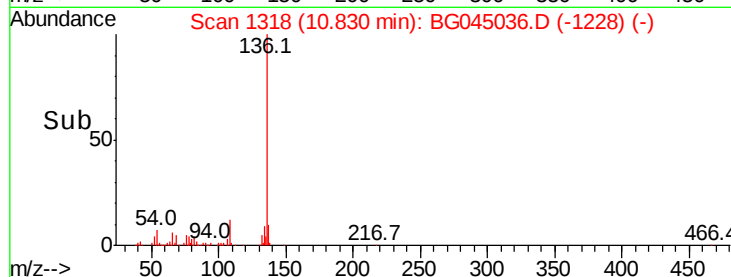
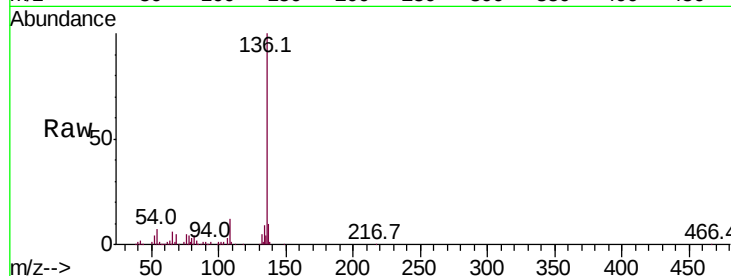




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045036.D
Acq: 17 Apr 2020 17:06

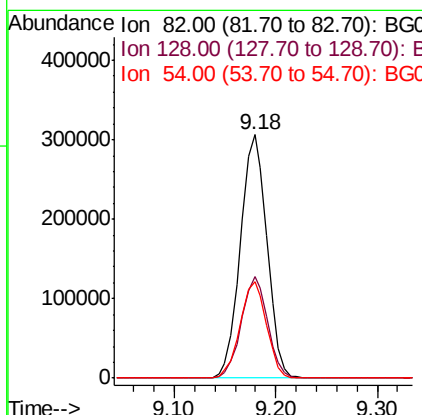
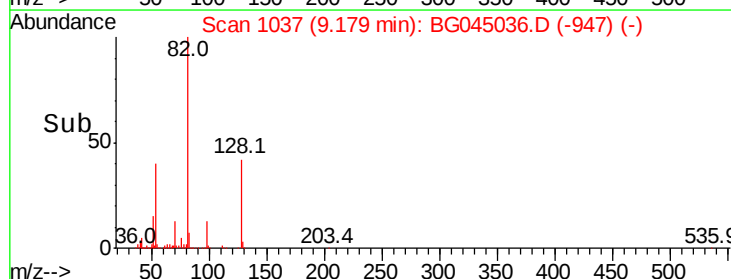
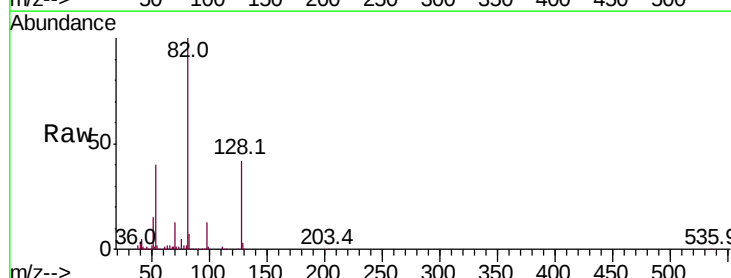
Instrument :
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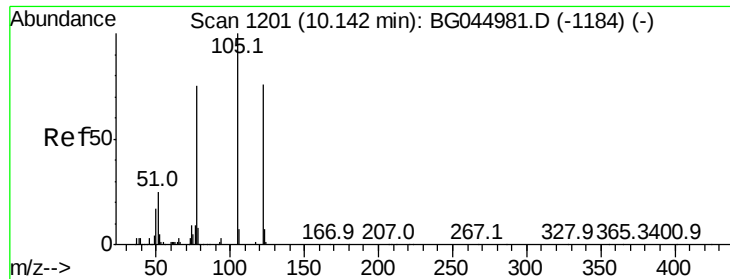
Tot Ion:136	Resp:	255120
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.6	13.0
54 6.9	4.8	7.2
68 5.4	5.2	7.8



#23
Nitrobenzene-d5
Concen: 99.541 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045036.D
Acq: 17 Apr 2020 17:06

Tgt Ion	82	Resp: Lower	556554 Upper
	Ratio 100		
128	41.8	33.0	49.4
54	39.7	30.4	45.6

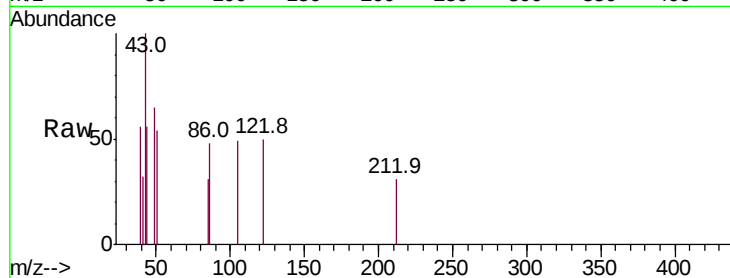




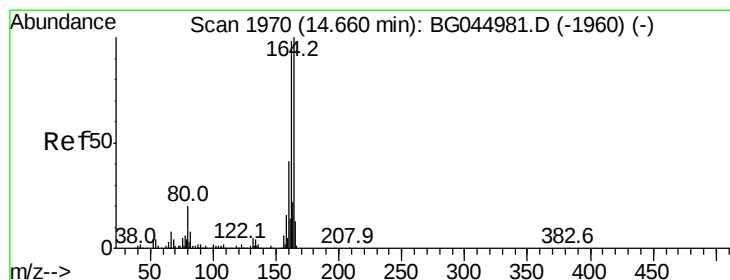
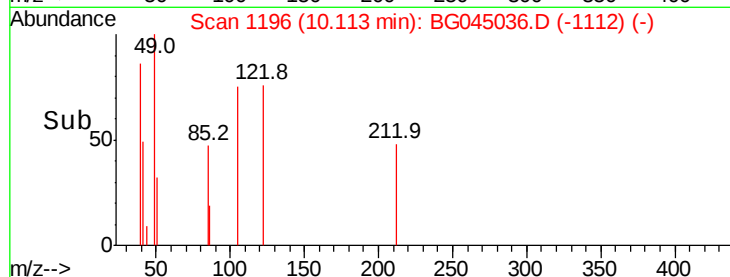
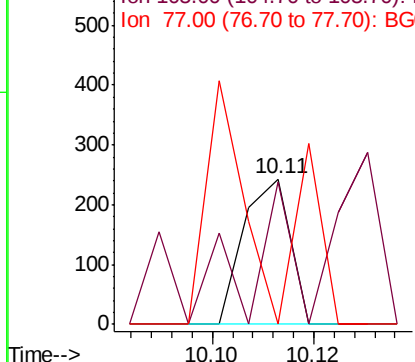
#32
Benzoic acid
Concen: 6.416 ng
RT: 10.11 min Scan# 1196
Delta R.T. -0.04 min
Lab File: BG045036.D
Acq: 17 Apr 2020 17:06

Instrument :
BNA_G
ClientSampleId :
GLOUCESTER-SP

Tot Ion:122 Resp: 154
Ion Ratio Lower Upper
122 100
105 97.9 108.4 148.4#
77 0.0 78.8 118.8#

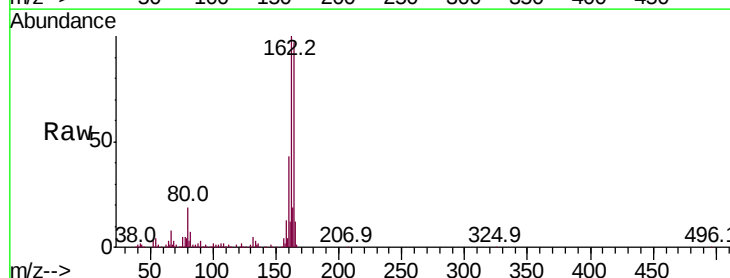


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

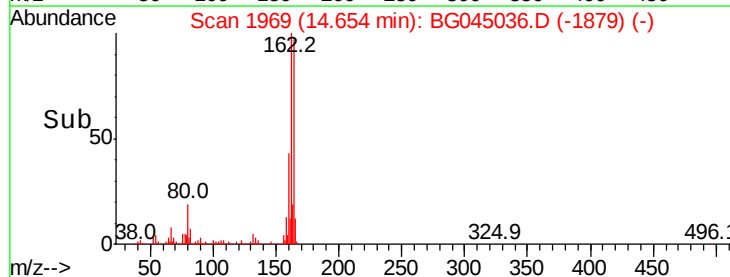
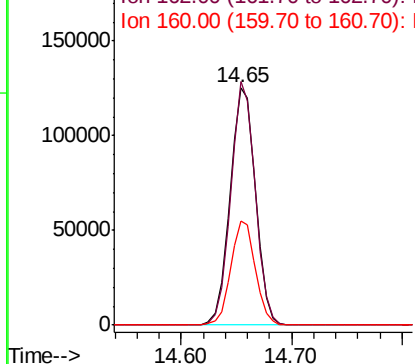


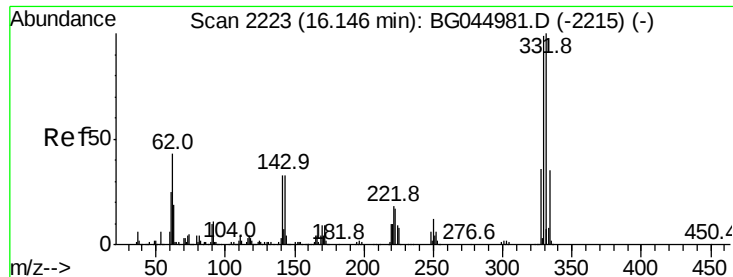
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045036.D
Acq: 17 Apr 2020 17:06

Tgt Ion:164 Resp: 202524
Ion Ratio Lower Upper
164 100
162 102.6 78.7 118.1
160 43.8 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

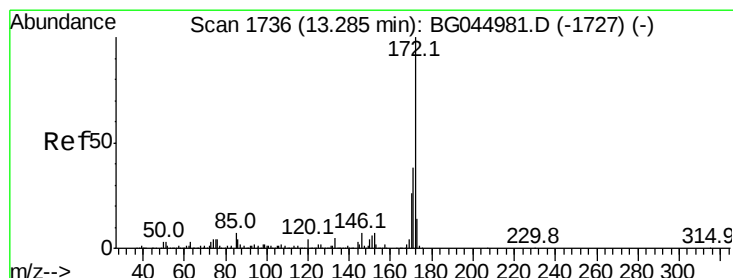
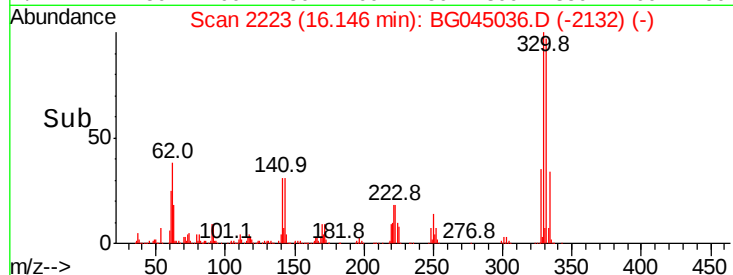
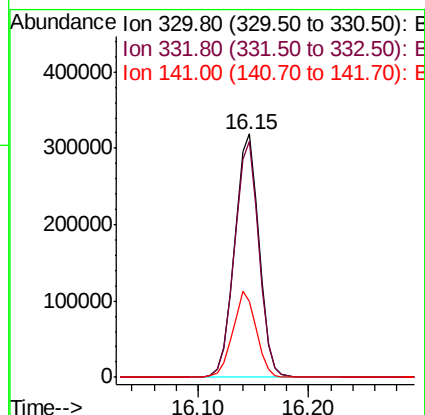
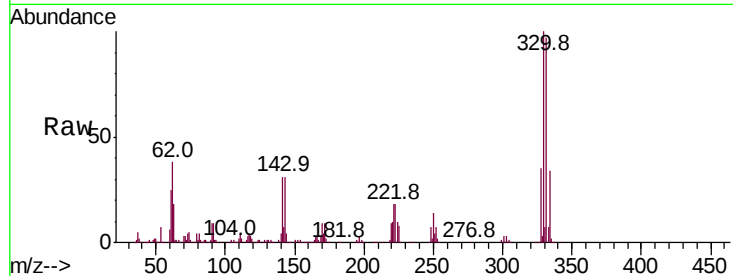




#42
 2,4,6-Tribromophenol
 Concen: 157.915 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045036.D
 Acq: 17 Apr 2020 17:06

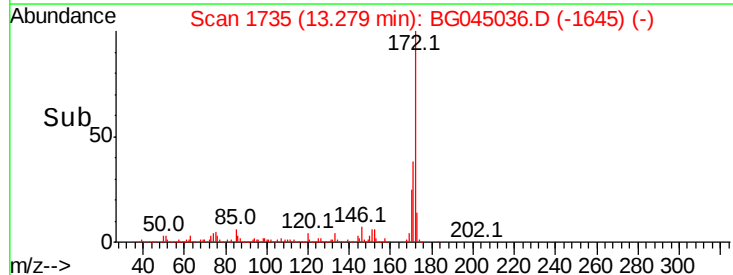
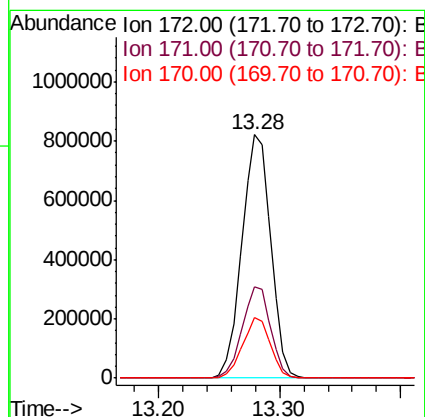
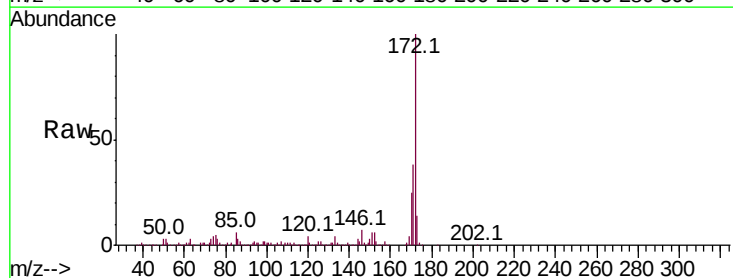
Instrument :
 BNA_G
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 GLOUCESTER-SP

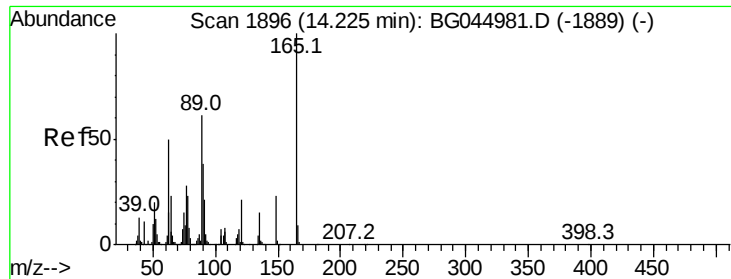
Tot Ion:330 Resp: 494073
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.1 118.7
 141 34.2 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 98.868 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045036.D
 Acq: 17 Apr 2020 17:06

Tgt Ion:172 Resp: 1365543
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.6 46.0
 170 25.0 20.5 30.7

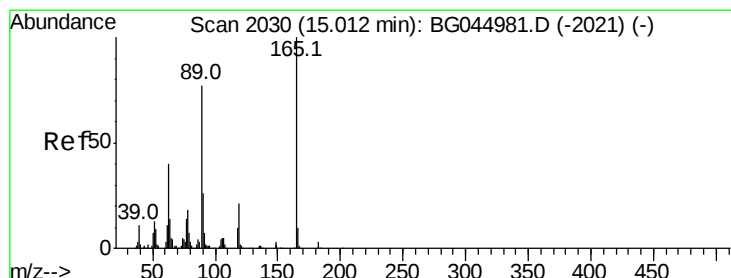
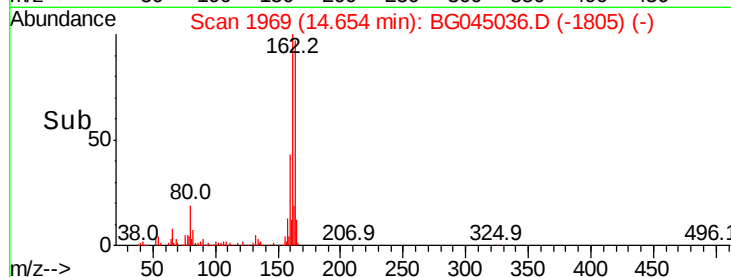
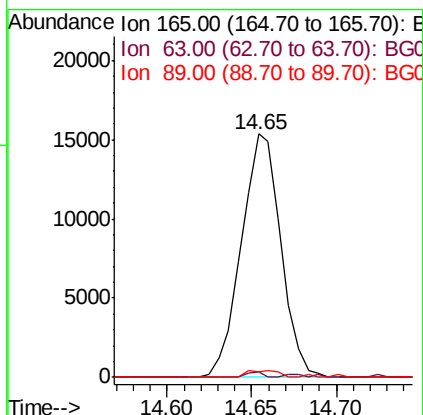
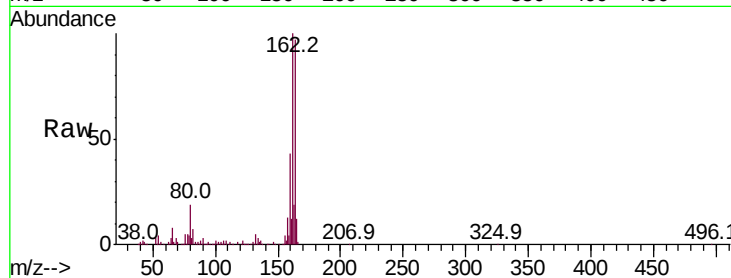




#51
 2,6-Dinitrotoluene
 Concen: 6.757 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045036.D
 Acq: 17 Apr 2020 17:06

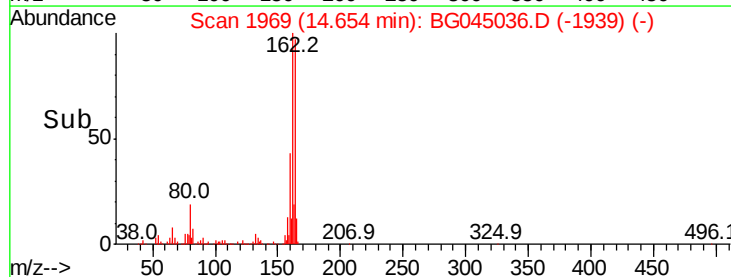
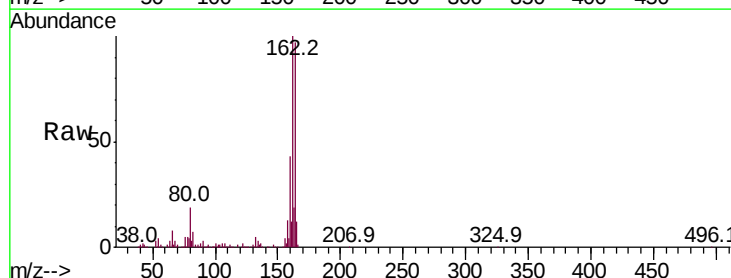
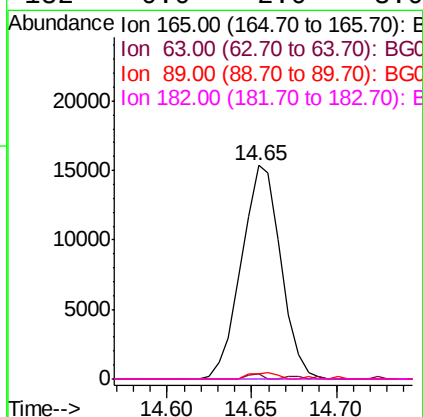
Instrument :
 BNA_G
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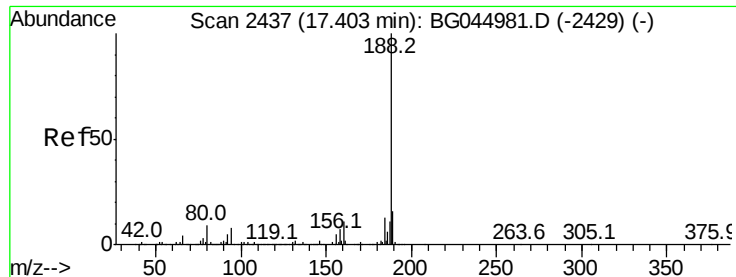
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.4	60.6#
89	2.4	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.624 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG045036.D
 Acq: 17 Apr 2020 17:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	32.2	48.2#
89	2.4	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

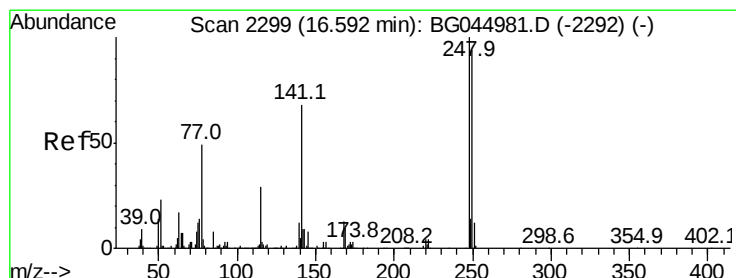
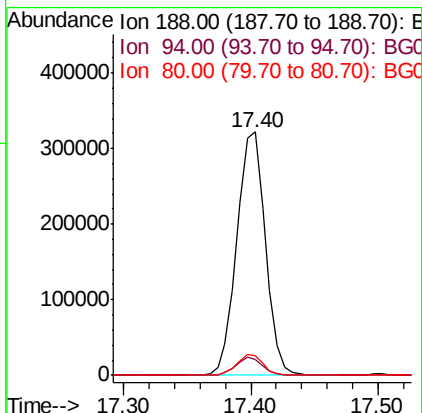
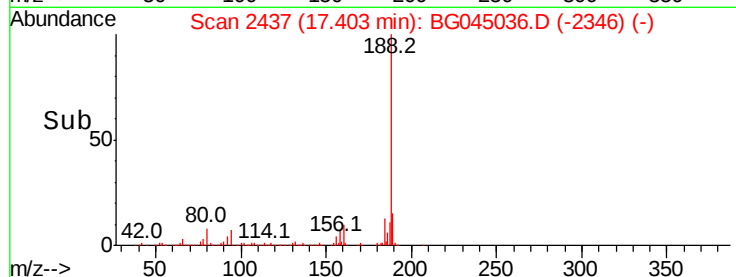
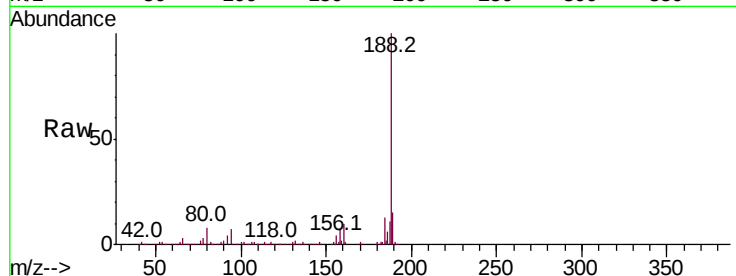
Tot Ion:188 Resp: 502115

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

80 7.8 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 5.185 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

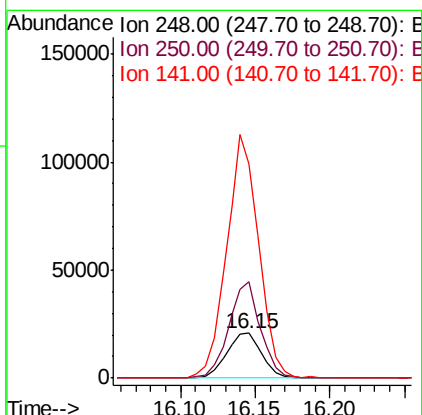
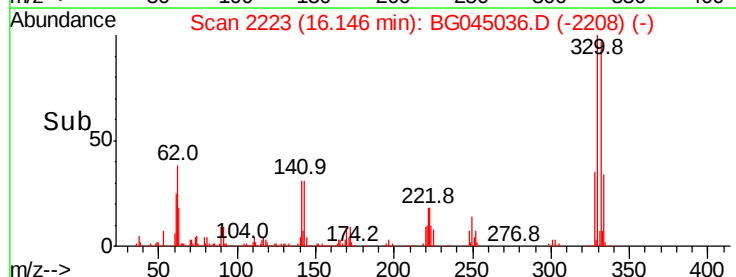
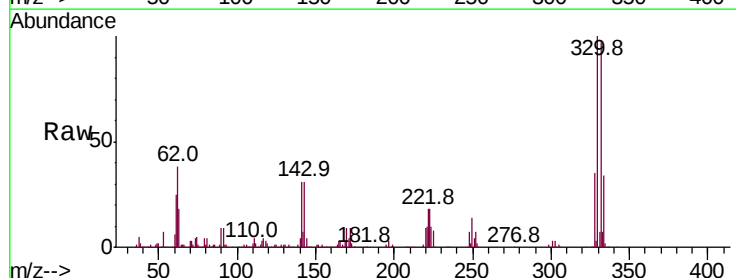
Tgt Ion:248 Resp: 33587

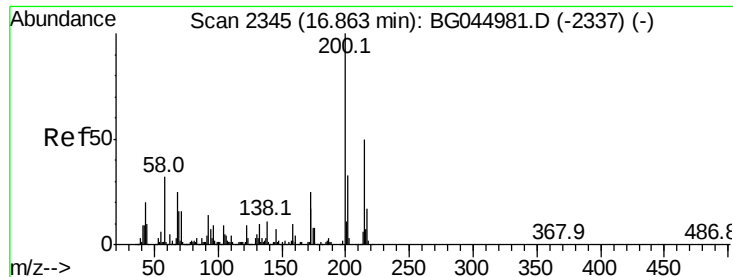
Ion Ratio Lower Upper

248 100

250 215.1 75.4 113.2#

141 477.9 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 16.91 min Scan# 2353

Delta R.T. 0.05 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

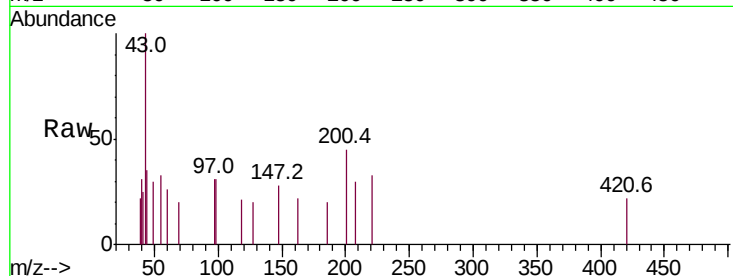
Tot Ion:200 Resp: 120

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

16.91

300

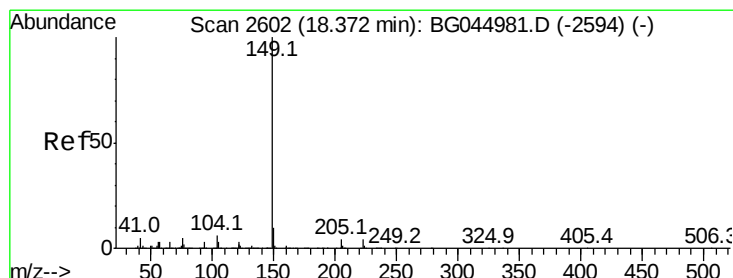
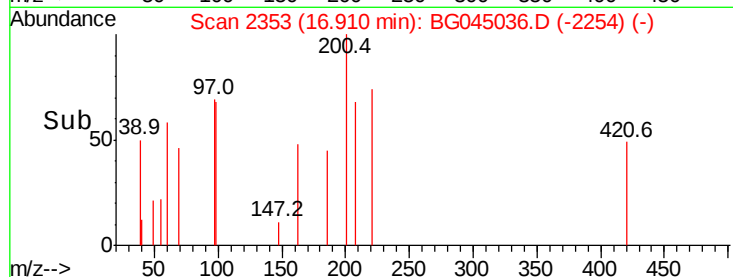
200

100

0

16.90 16.92

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

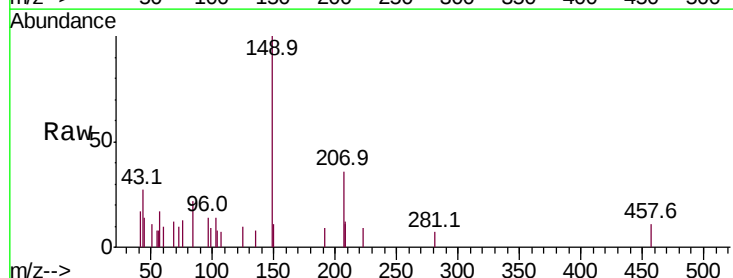
Tgt Ion:149 Resp: 3079

Ion Ratio Lower Upper

149 100

150 10.8 8.2 12.2

104 7.8 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

18.37

2500

2000

1500

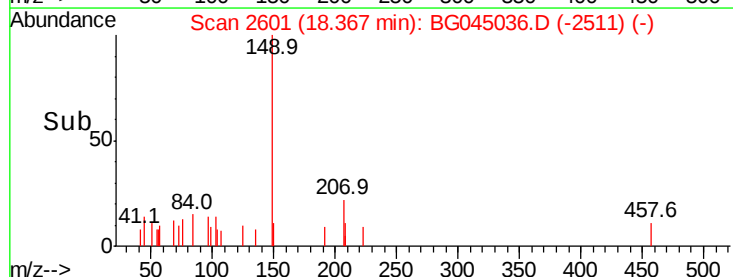
1000

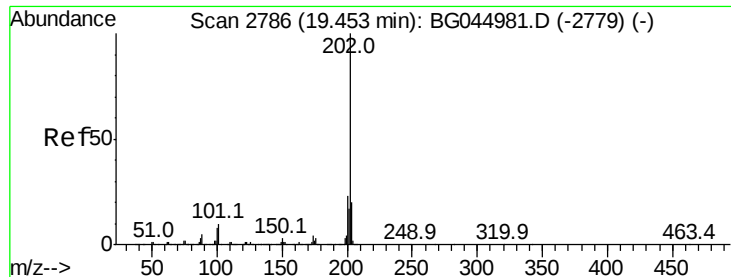
500

0

18.35 18.40

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.27 min Scan# 2755

Delta R.T. -0.18 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

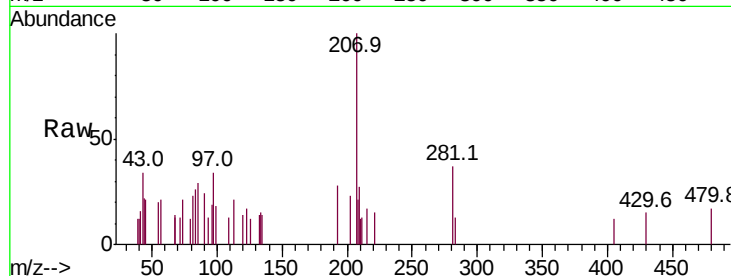
Tot Ion:202 Resp: 231

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

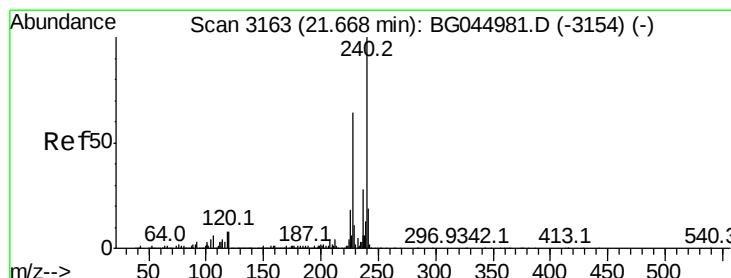
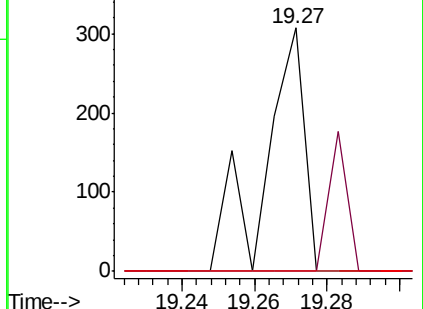
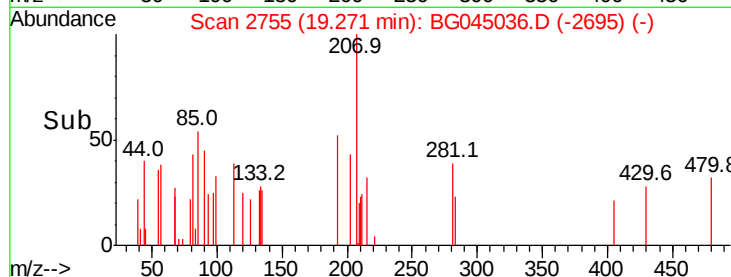
203 0.0 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

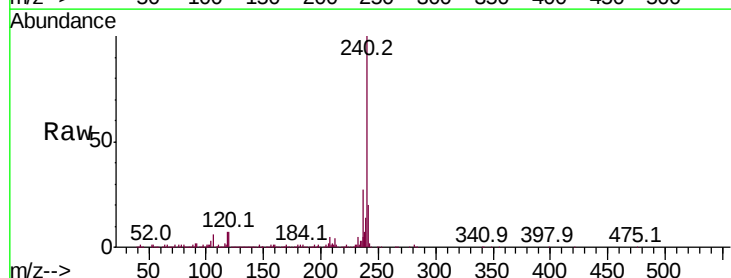
Tgt Ion:240 Resp: 500022

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

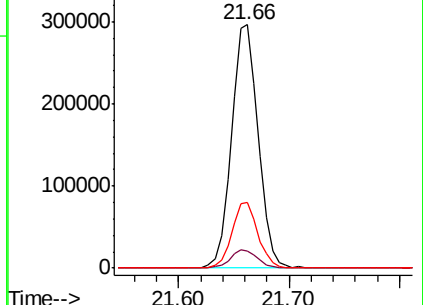
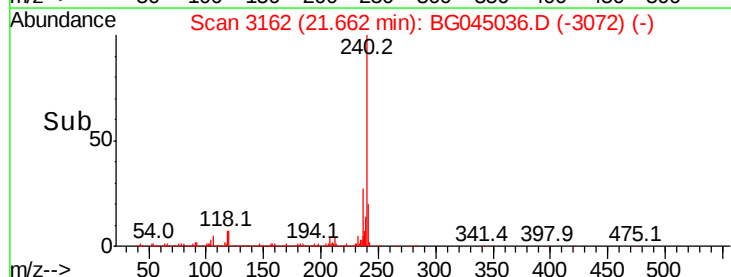
236 26.8 22.2 33.2

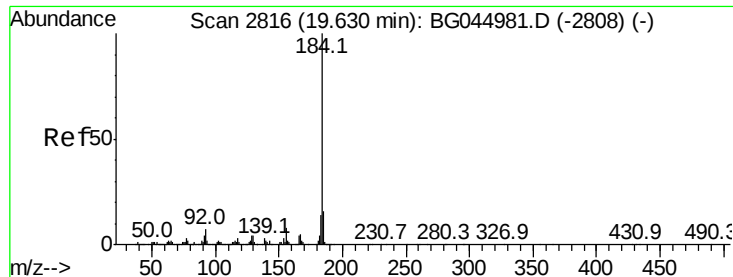


Abundance Ion 240.00 (239.70 to 240.70): E

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: BG045036.D

Acq: 17 Apr 2020 17:06

Instrument :

BNA_G

ClientSampleId :

GLOUCESTER-SP

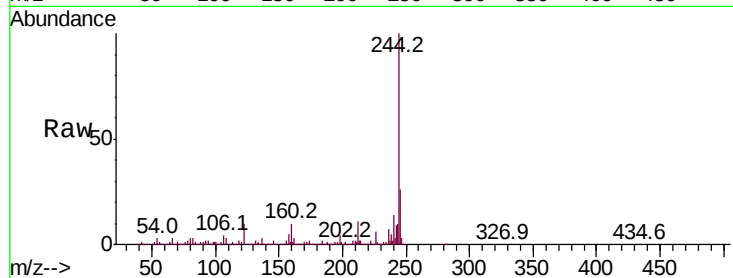
Tot Ion:184 Resp: 48028

Ion Ratio Lower Upper

184 100

185 16.4 12.6 19.0

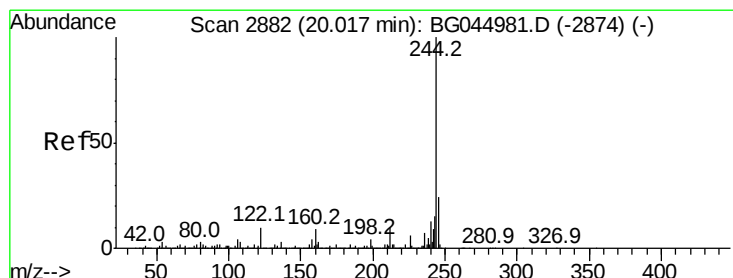
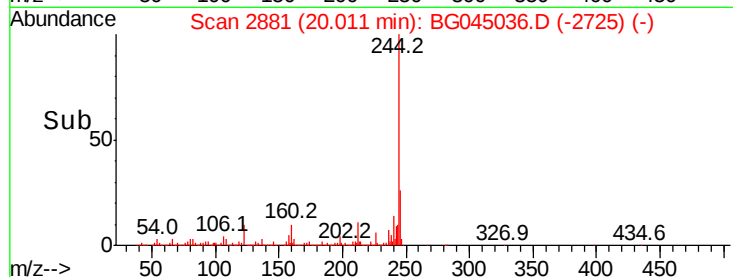
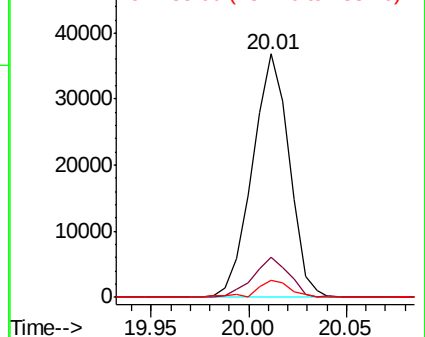
183 6.9 11.3 16.9#



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: 106.423 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045036.D

Acq: 17 Apr 2020 17:06

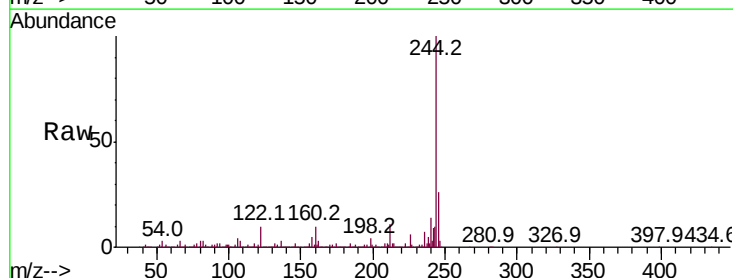
Tgt Ion:244 Resp: 2441482

Ion Ratio Lower Upper

244 100

212 10.7 7.9 11.9

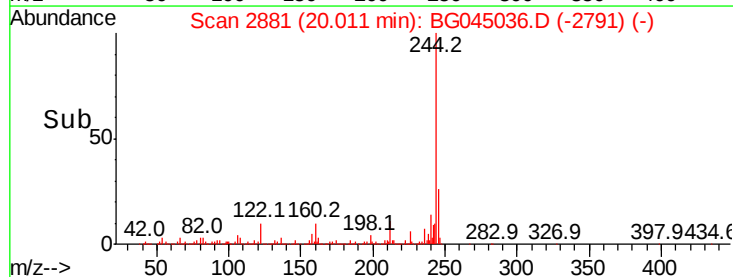
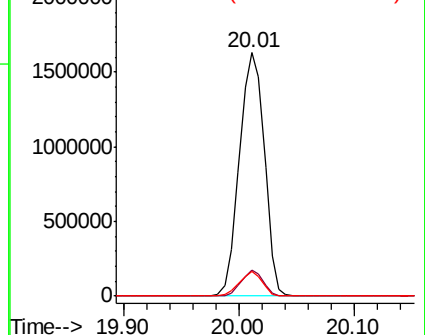
122 10.2 7.7 11.5

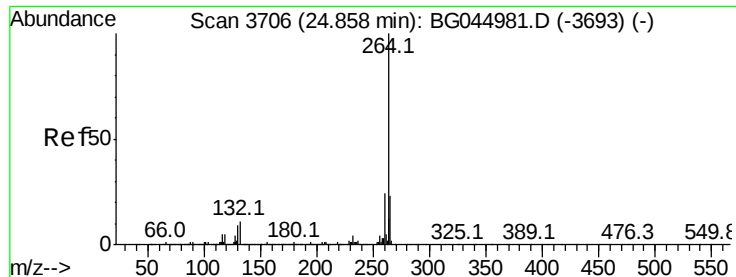


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG045036.D
 Acq: 17 Apr 2020 17:06

Instrument :
 BNA_G
 ClientSampleId :
 GLOUCESTER-SP

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	21.9	19.0	28.4

