

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041427.D
 Acq On : 24 Jun 2019 18:36
 Operator : HP/JU
 Sample : K3485-01
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

Quant Time: Jun 25 05:07:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	53	20.00	ng	0.05
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.91
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.72
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.46
76) Chrysene-d12	0.00	240	0	0.00	ng	-21.74
87) Perylene-d12	25.02	264	963	20.00	ng	-0.02

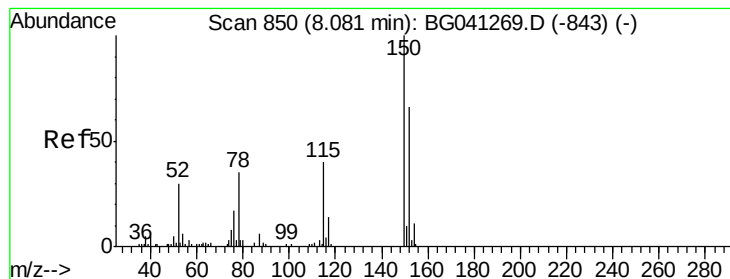
System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	55	19.07	ng	0.00
7) Phenol-d6	7.28	99	630	150.68	ng	0.05
23) Nitrobenzene-d5	9.30	82	57	0.00	ng	0.03
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.48	88	56	38.717	ng	# 1
3) Pyridine	3.91	79	269	70.105	ng	# 44
4) n-Nitrosodimethylamine	3.83	42	389	190.102	ng	# 1
6) Aniline	7.44	93	157	27.015	ng	# 40
8) 2-Chlorophenol	7.75	128	54	15.933	ng	# 30
9) Benzaldehyde	7.27	77	62	23.184	ng	# 46
10) Phenol	6.98	94	75	16.681	ng	# 29
11) bis(2-Chloroethyl)ether	7.56	93	53	15.536	ng	# 17
12) 1,3-Dichlorobenzene	8.48	146	66	15.552	ng	# 27
13) 1,4-Dichlorobenzene	8.48	146	66	15.225	ng	# 26
14) 1,2-Dichlorobenzene	8.48	146	66	15.940	ng	# 21
15) Benzyl Alcohol	8.31	79	111	27.709	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	8.67	45	57	10.207	ng	# 66
17) 2-Methylphenol	8.57	107	54	16.799	ng	# 8
18) Hexachloroethane	8.78	117	57	33.182	ng	# 1
19) n-Nitroso-di-n-propylamine	9.00	70	70	20.700	ng	# 32
20) 3+4-Methylphenols	8.66	107	67	15.657	ng	# 22

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 858

Delta R.T. 0.05 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampleId :

GWMH-7

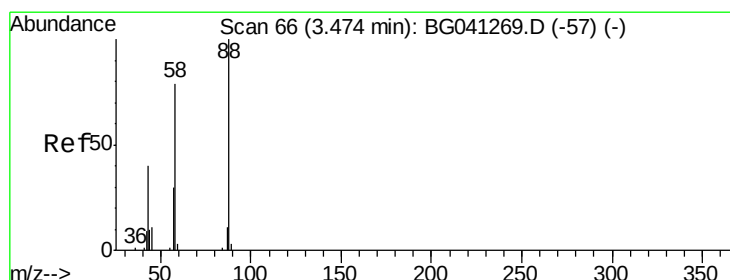
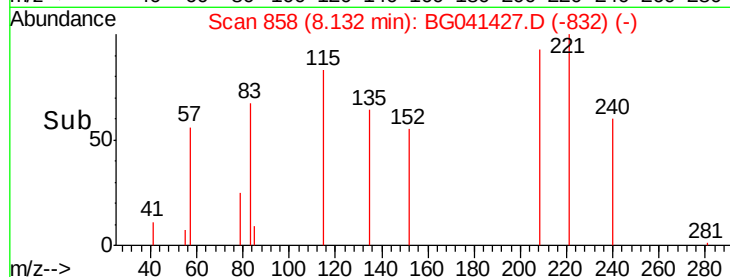
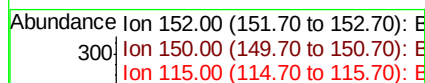
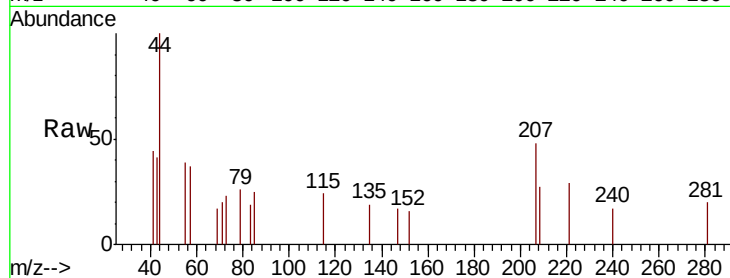
Tgt Ion:152 Resp: 53

Ion Ratio Lower Upper

152 100

150 0.0 120.6 181.0#

115 149.7 47.9 71.9#



#2

1,4-Dioxane

Concen: 38.717 ng

RT: 3.48 min Scan# 67

Delta R.T. 0.01 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

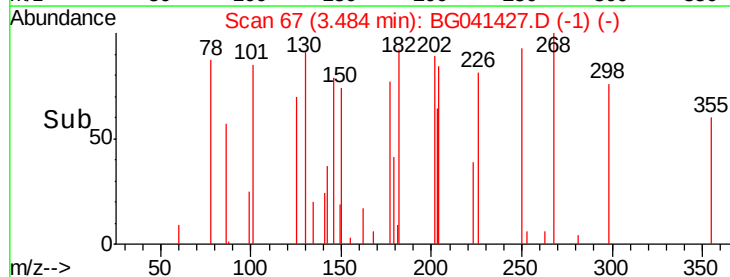
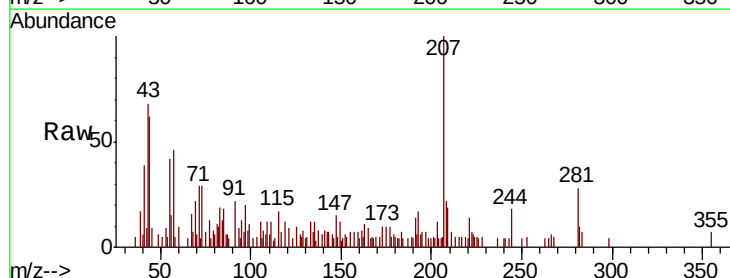
Tgt Ion: 88 Resp: 56

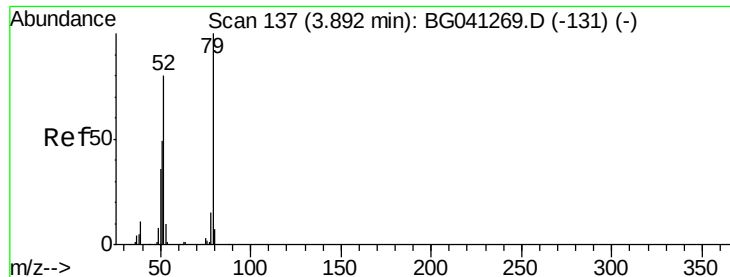
Ion Ratio Lower Upper

88 100

58 403.6 59.7 89.5#

43 2142.9 31.9 47.9#





#3

Pyridine

Concen: 70.105 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.02 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampled :

GWMMH-7

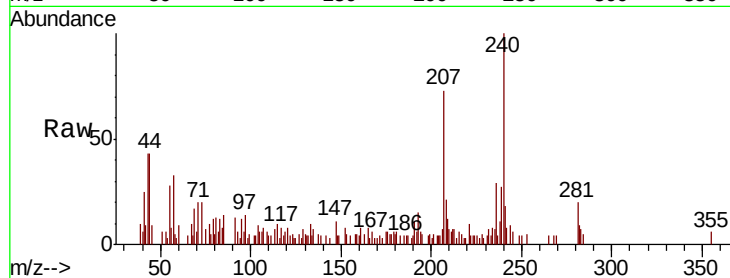
Tgt Ion: 79 Resp: 269

Ion Ratio Lower Upper

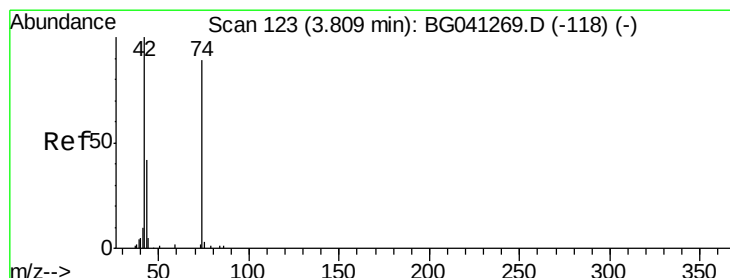
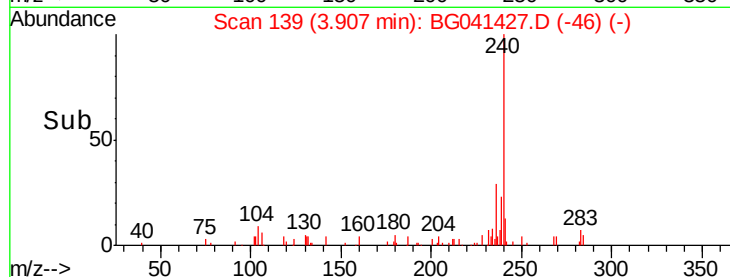
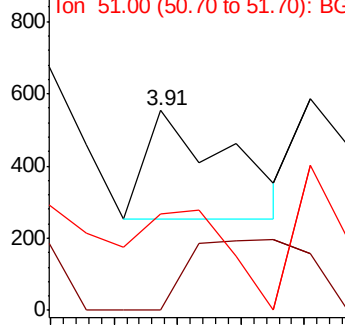
79 100

52 0.0 63.6 95.4#

51 48.4 39.8 59.6



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 190.102 ng

RT: 3.83 min Scan# 125

Delta R.T. 0.02 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

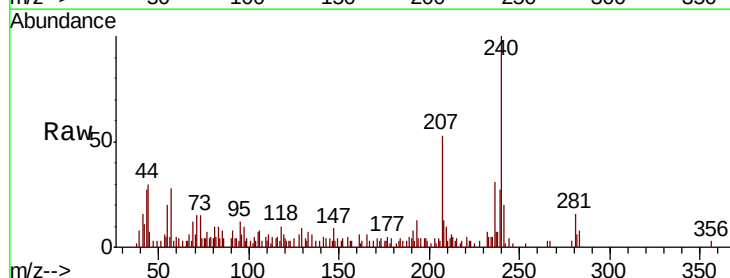
Tgt Ion: 42 Resp: 389

Ion Ratio Lower Upper

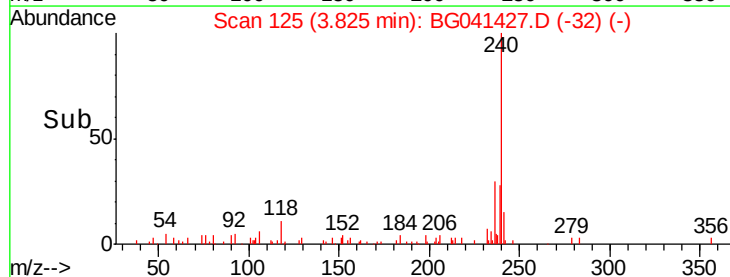
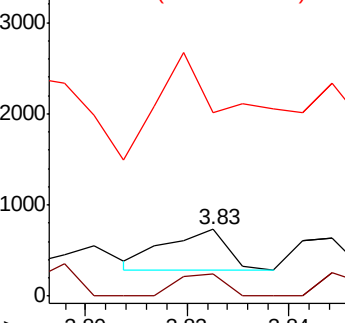
42 100

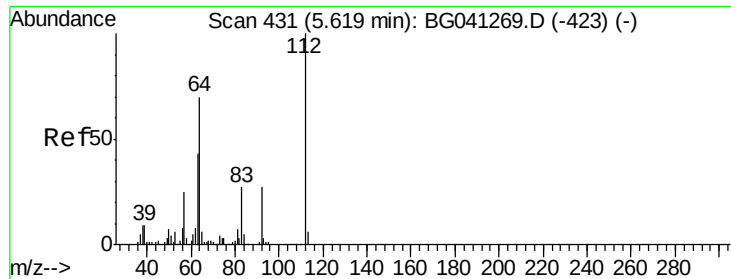
74 33.0 71.6 107.4#

44 276.8 9.0 13.4#



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: 19.068 ng

RT: 5.63 min Scan# 432

Delta R.T. 0.01 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampled :

GWMH-7

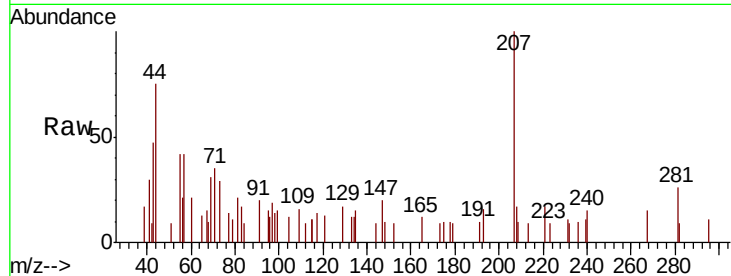
Tgt Ion: 112 Resp: 55

Ion Ratio Lower Upper

112 100

64 0.0 55.9 83.9#

63 0.0 34.6 51.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

5.63

150

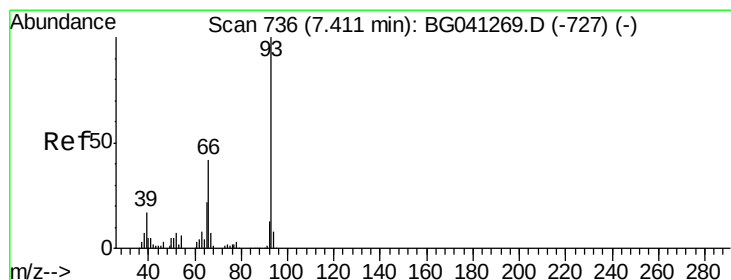
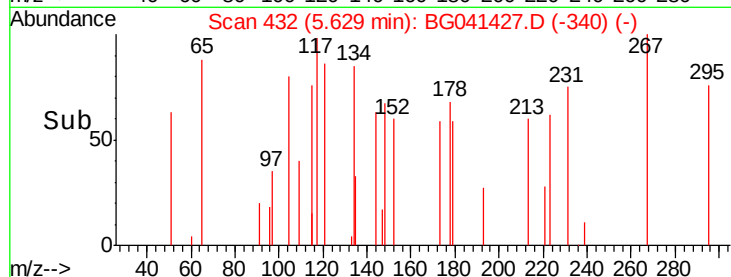
100

50

0

5.61 5.62 5.63 5.64

Time-->



#6

Aniline

Concen: 27.015 ng

RT: 7.44 min Scan# 741

Delta R.T. 0.03 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

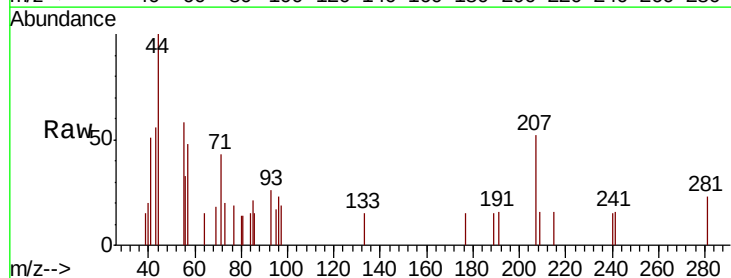
Tgt Ion: 93 Resp: 157

Ion Ratio Lower Upper

93 100

66 0.0 34.2 51.2#

65 0.0 17.7 26.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

7.44

300

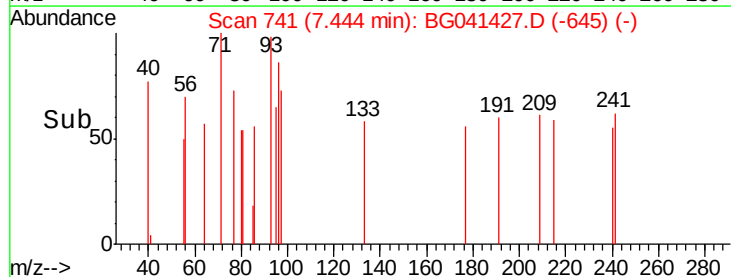
200

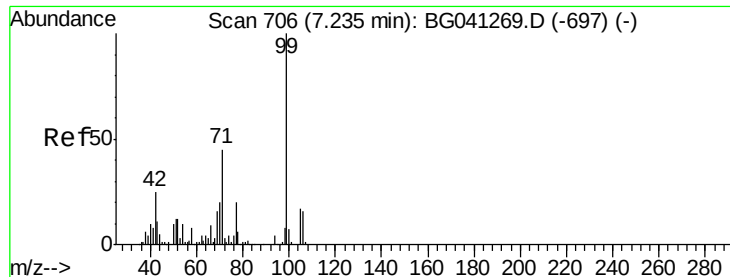
100

0

7.42 7.44 7.46 7.48

Time-->





#7

Phenol-d6

Concen: 150.678 ng

RT: 7.28 min Scan# 713

Delta R.T. 0.05 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampleId :

GWMH-7

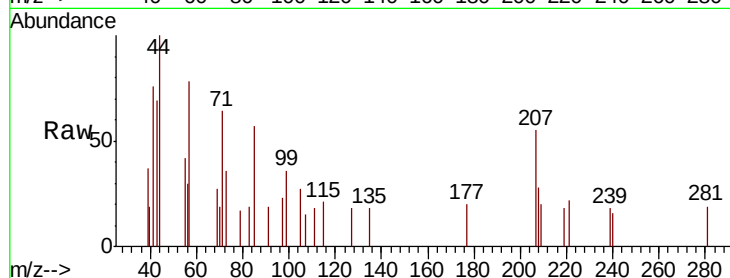
Tgt Ion: 99 Resp: 630

Ion Ratio Lower Upper

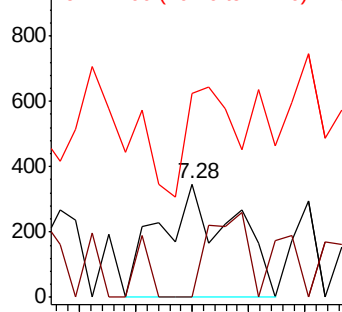
99 100

42 0.0 19.9 29.9#

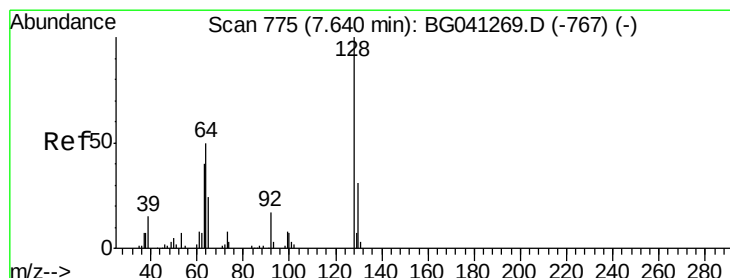
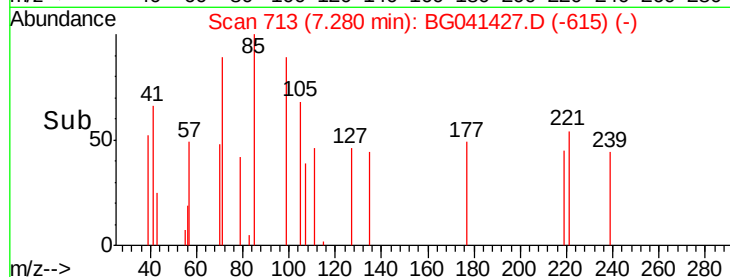
71 179.6 36.4 54.6#



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



Time-->



#8

2-Chlorophenol

Concen: 15.933 ng

RT: 7.75 min Scan# 793

Delta R.T. 0.11 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

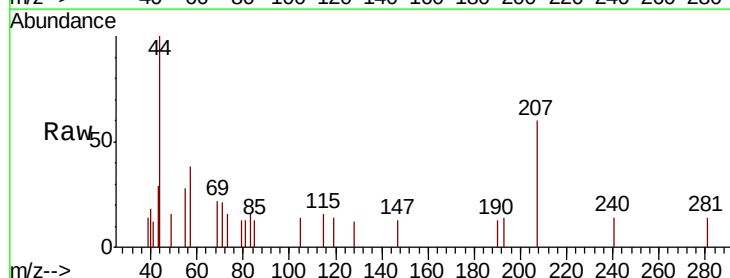
Tgt Ion: 128 Resp: 54

Ion Ratio Lower Upper

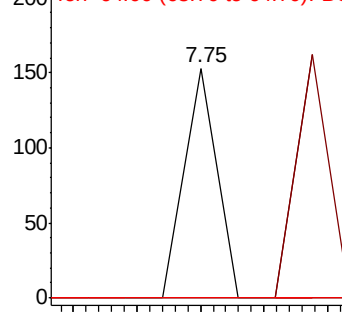
128 100

130 0.0 11.1 51.1#

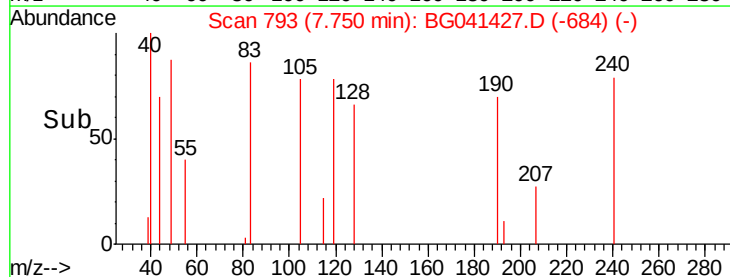
64 0.0 36.6 76.6#

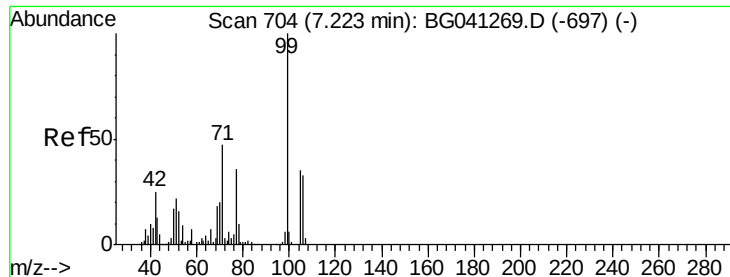


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC



Time-->





#9

Benzaldehyde

Concen: 23.184 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.05 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampleId :

GWMH-7

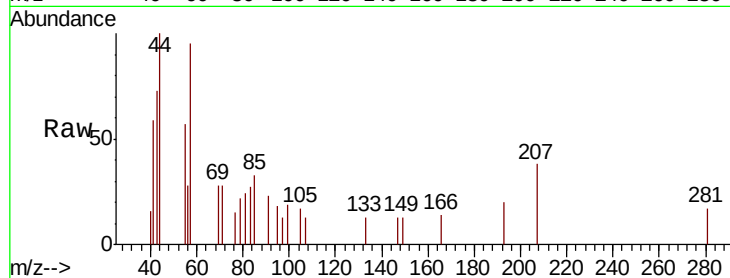
Tgt Ion: 77 Resp: 62

Ion Ratio Lower Upper

77 100

105 114.7 78.7 118.7

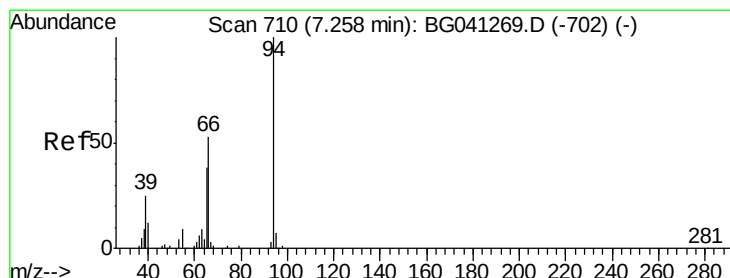
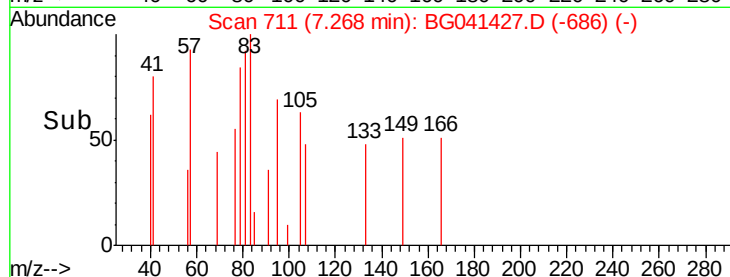
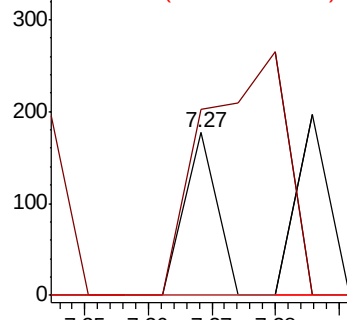
106 0.0 71.1 111.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 16.681 ng

RT: 6.98 min Scan# 662

Delta R.T. -0.28 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

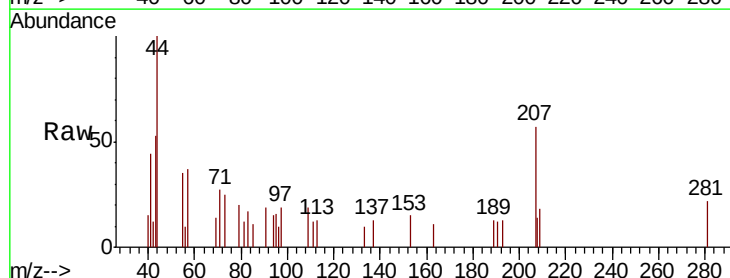
Tgt Ion: 94 Resp: 75

Ion Ratio Lower Upper

94 100

65 0.0 18.7 58.7#

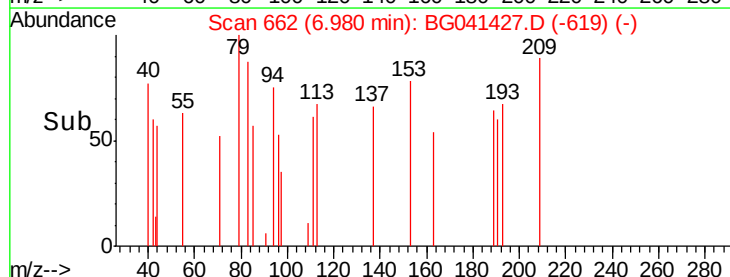
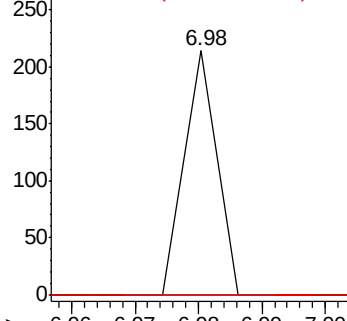
66 0.0 35.5 75.5#

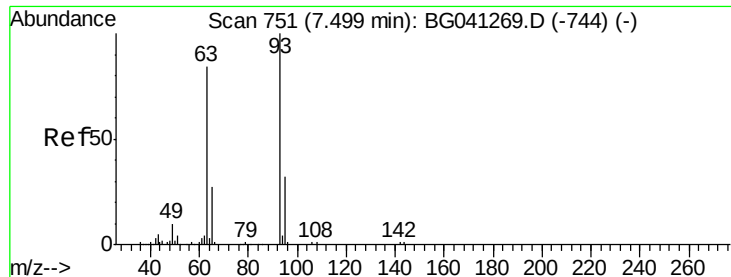


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

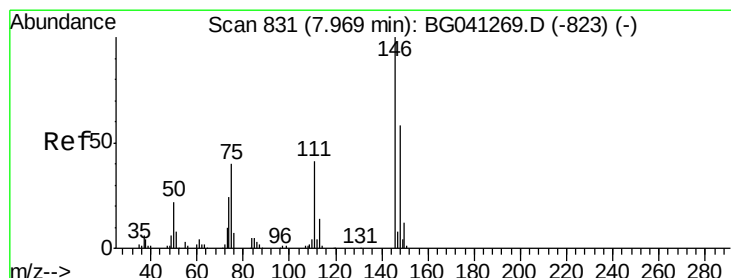
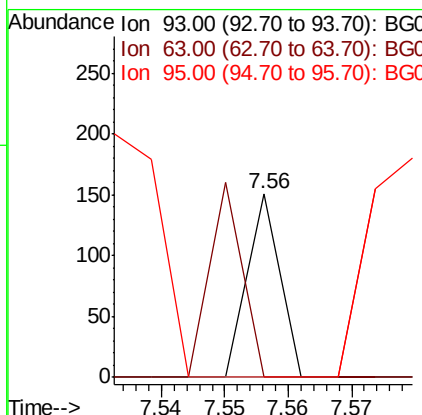
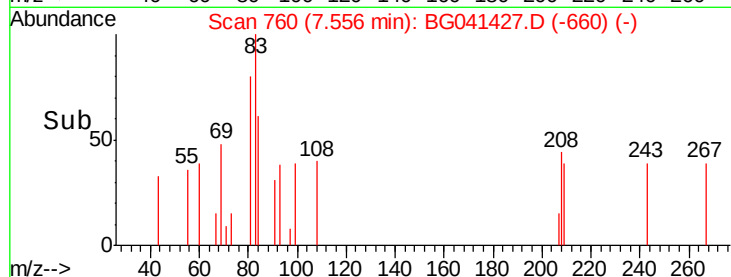
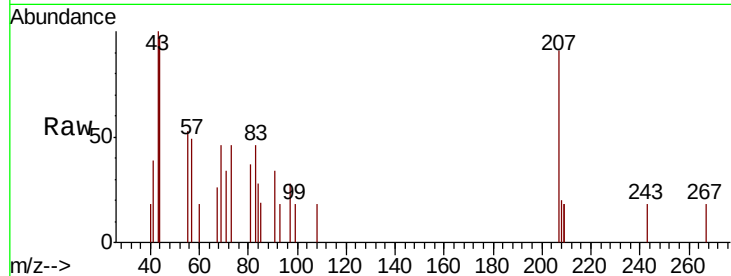




#11
bis(2-Chloroethyl)ether
Concen: 15.536 ng
RT: 7.56 min Scan# 760
Delta R.T. 0.06 min
Lab File: BG041427.D
Acq: 24 Jun 2019 18:36

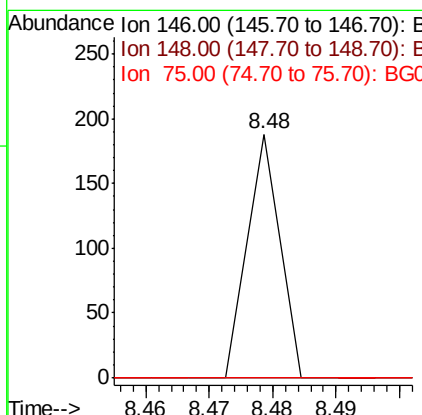
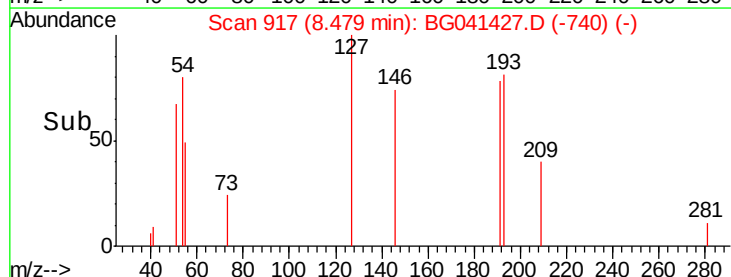
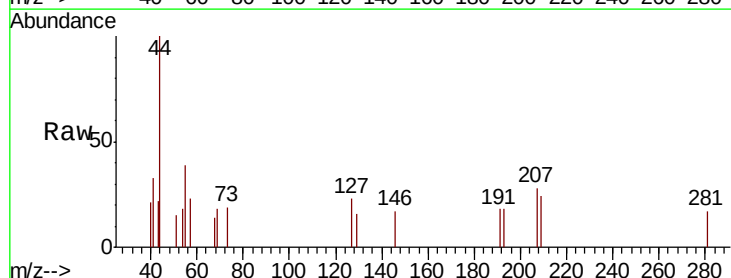
Instrument :
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GWMH-7

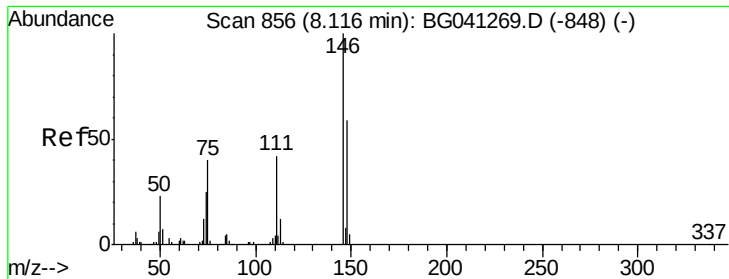
Tgt Ion: 93 Resp: 53
Ion Ratio Lower Upper
93 100
63 0.0 63.6 103.6#
95 0.0 11.2 51.2#



#12
1,3-Dichlorobenzene
Concen: 15.552 ng
RT: 8.48 min Scan# 917
Delta R.T. 0.51 min
Lab File: BG041427.D
Acq: 24 Jun 2019 18:36

Tgt Ion: 146 Resp: 66
Ion Ratio Lower Upper
146 100
148 0.0 46.5 69.7#
75 0.0 32.2 48.4#

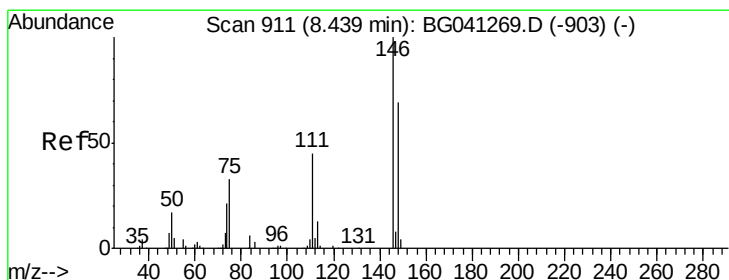
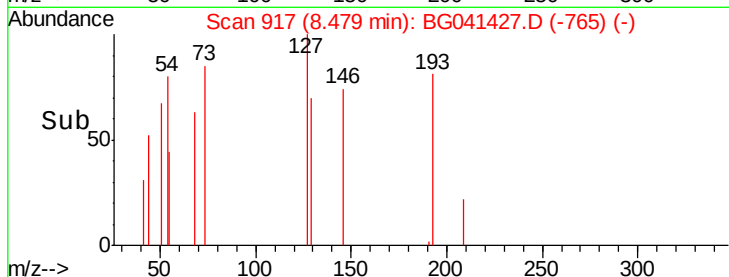
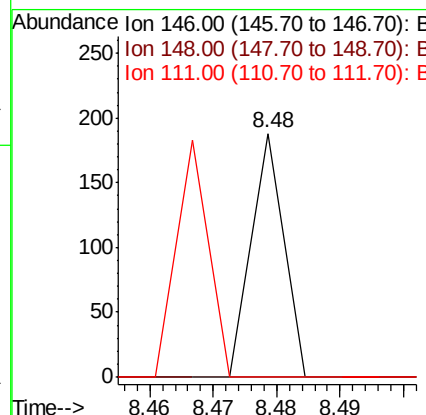
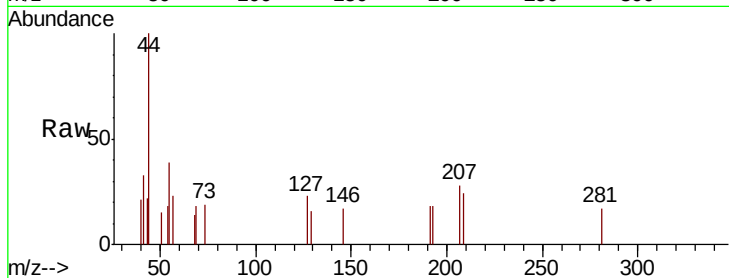




#13
 1,4-Dichlorobenzene
 Concen: 15.225 ng
 RT: 8.48 min Scan# 917
 Delta R.T. 0.36 min
 Lab File: BG041427.D
 Acq: 24 Jun 2019 18:36

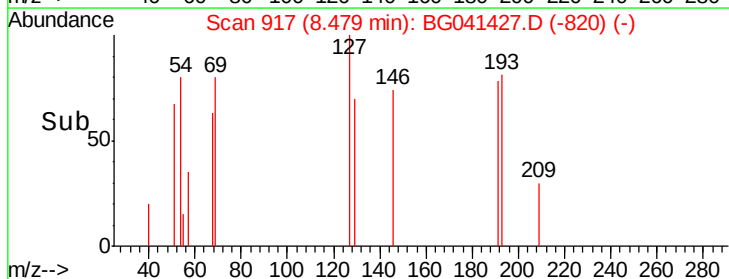
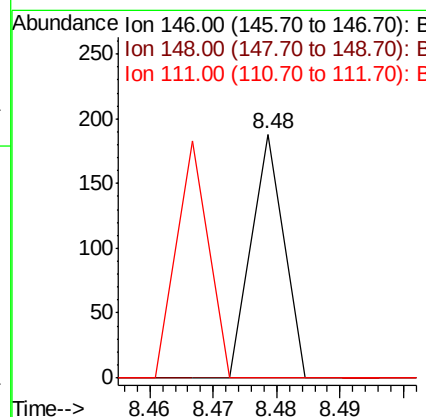
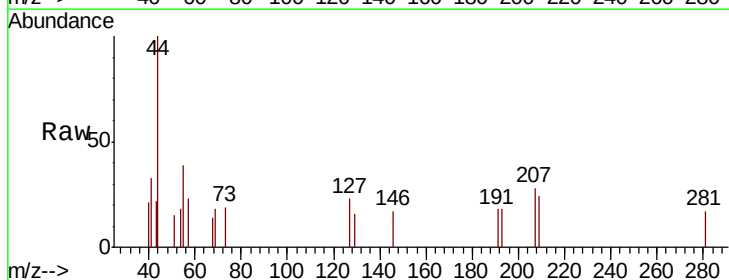
Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

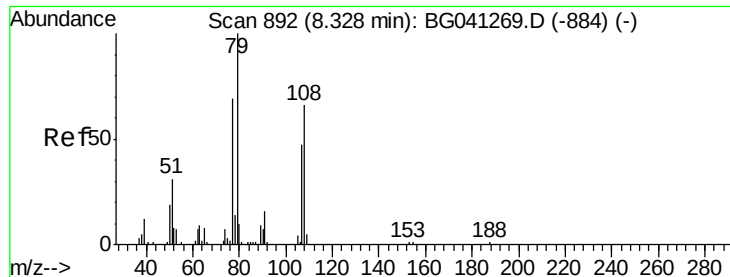
Tgt Ion	Ratio	Lower	Upper
146	100		
148	0.0	47.3	70.9#
111	0.0	33.4	50.0#



#14
 1,2-Dichlorobenzene
 Concen: 15.940 ng
 RT: 8.48 min Scan# 917
 Delta R.T. 0.04 min
 Lab File: BG041427.D
 Acq: 24 Jun 2019 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	0.0	54.9	82.3#
111	0.0	37.0	55.6#





#15

Benzyl Alcohol

Concen: 27.709 ng

RT: 8.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampleId :

GWMH-7

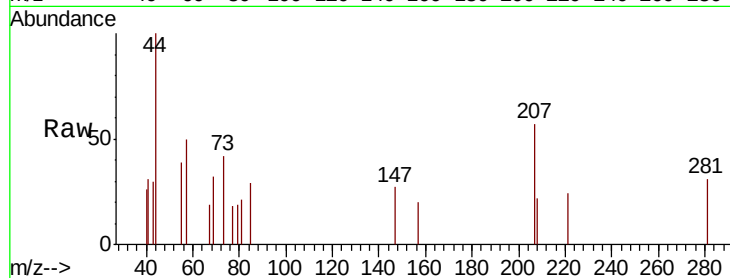
Tgt Ion: 79 Resp: 111

Ion Ratio Lower Upper

79 100

108 0.0 52.7 79.1#

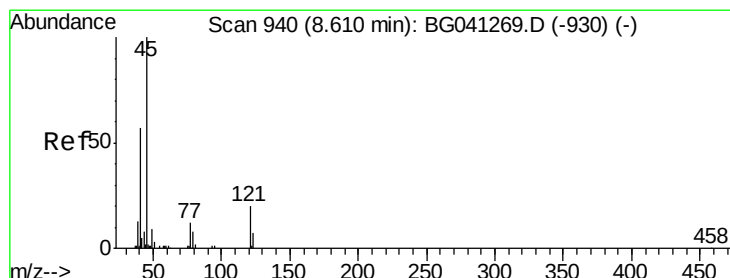
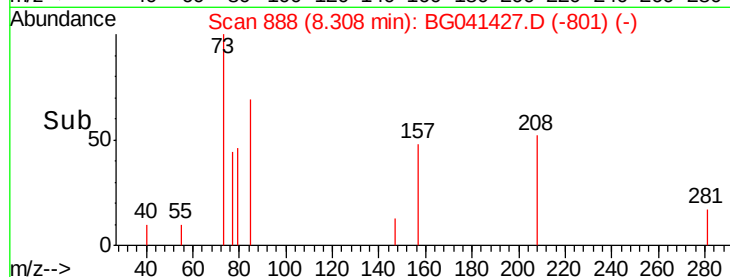
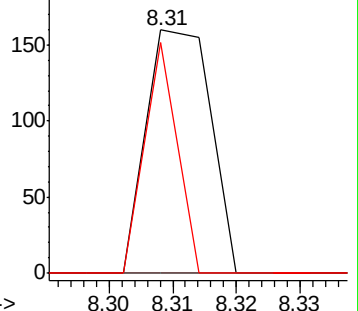
77 95.0 55.2 82.8#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.207 ng

RT: 8.67 min Scan# 949

Delta R.T. 0.06 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

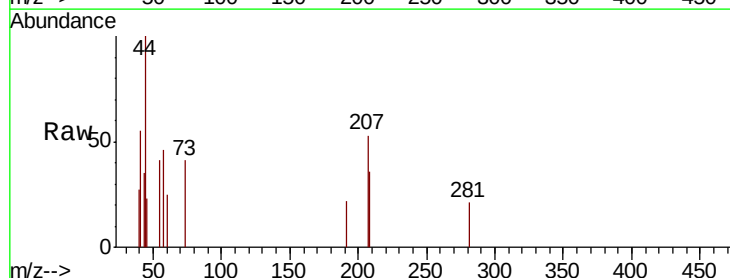
Tgt Ion: 45 Resp: 57

Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

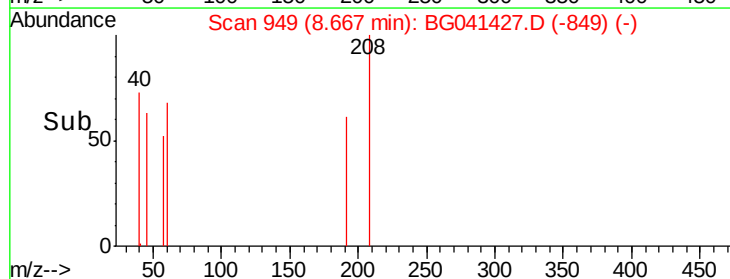
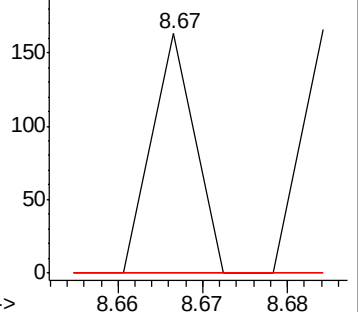
79 0.0 0.0 31.6

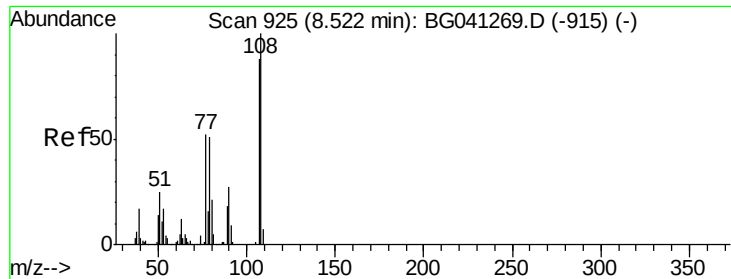


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 16.799 ng

RT: 8.57 min Scan# 933

Delta R.T. 0.05 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

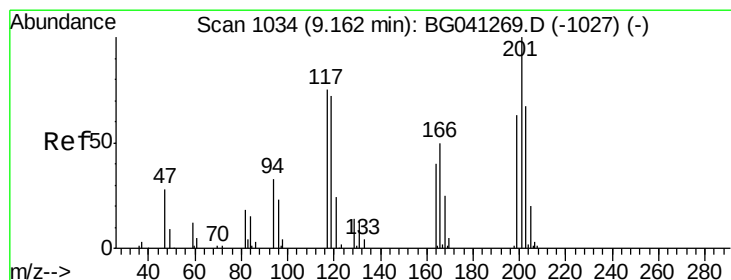
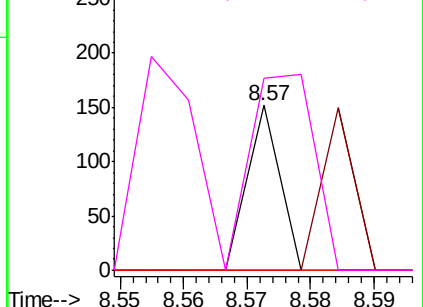
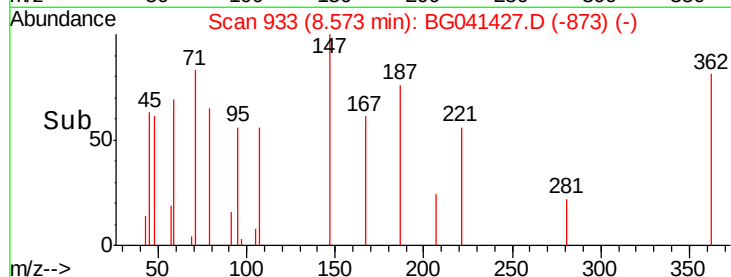
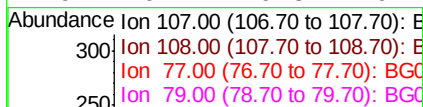
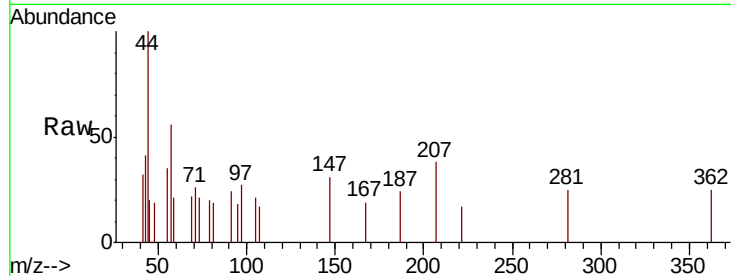
Instrument :

BNA_G

ClientSampleId :

GWMH-7

Tgt Ion:	107	Resp:	54
Ion Ratio	Lower	Upper	
107	100		
108	0.0	91.7	137.5#
77	0.0	47.8	71.8#
79	116.4	46.8	70.2#



#18

Hexachloroethane

Concen: 33.182 ng

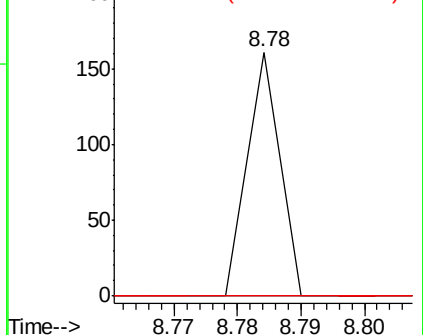
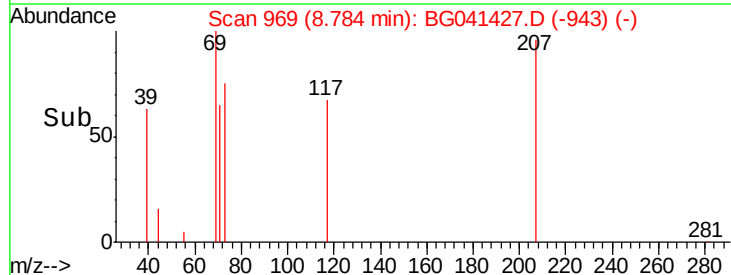
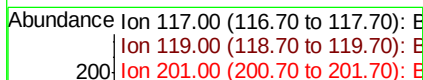
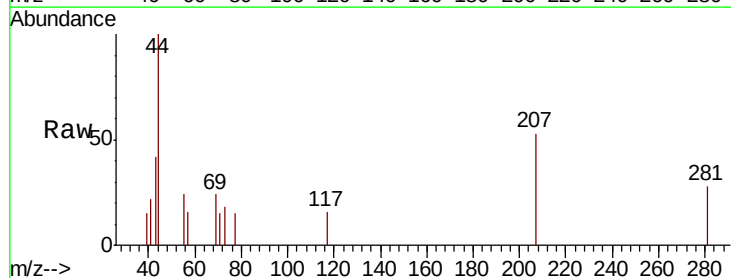
RT: 8.78 min Scan# 969

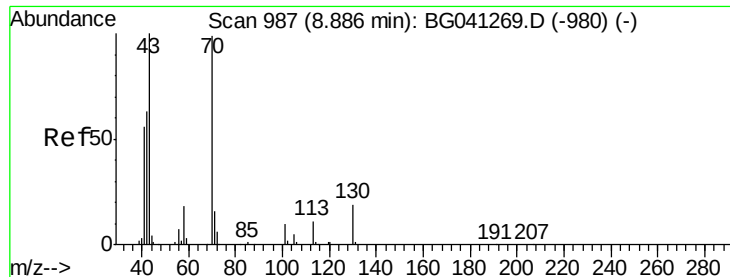
Delta R.T. -0.38 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Tgt Ion:	117	Resp:	57
Ion Ratio	Lower	Upper	
117	100		
119	0.0	76.8	115.2#
201	0.0	106.3	159.5#





#19

n-Nitroso-di-n-propylamine

Concen: 20.700 ng

RT: 9.00 min Scan# 1005

Delta R.T. 0.11 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampleId :

GWMH-7

Tgt Ion: 70 Resp: 70

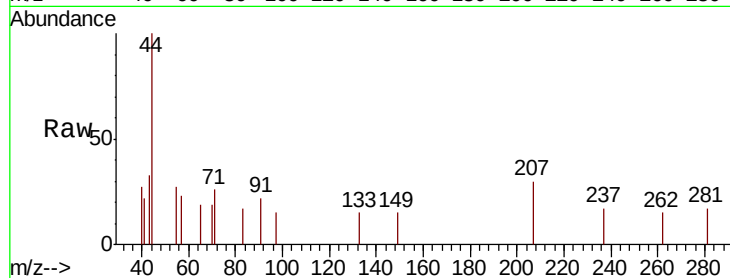
Ion Ratio Lower Upper

70 100

42 0.0 51.4 77.2#

101 0.0 8.2 12.2#

130 0.0 15.2 22.8#



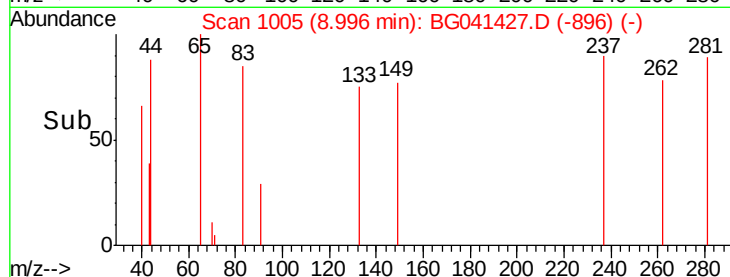
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

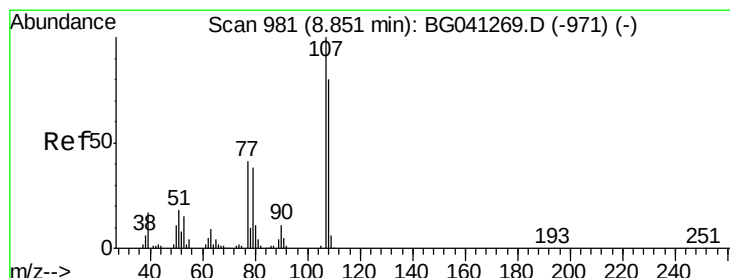
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

9.00



Time-->



#20

3+4-Methylphenols

Concen: 15.657 ng

RT: 8.66 min Scan# 948

Delta R.T. -0.19 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Tgt Ion: 107 Resp: 67

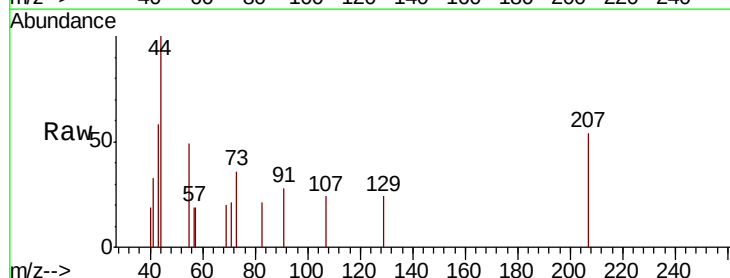
Ion Ratio Lower Upper

107 100

108 0.0 60.4 100.4#

77 0.0 21.2 61.2#

79 0.0 17.7 57.7#



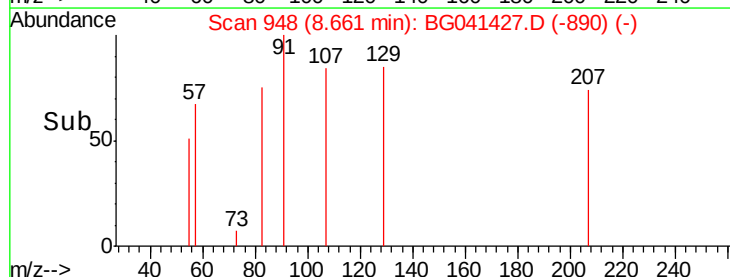
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

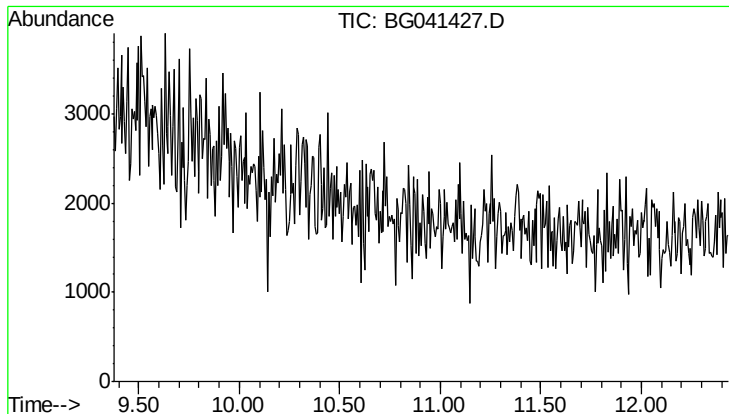
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

8.66



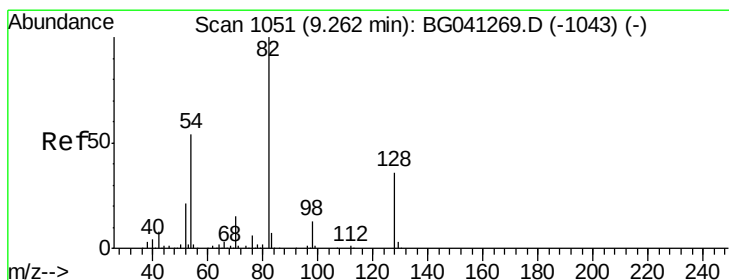
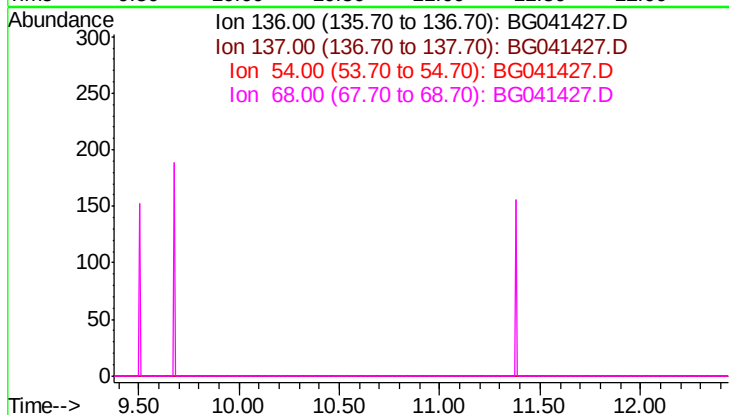
Time-->



#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 10.91 min
Lab File: BG041427.D
Acq: 24 Jun 2019 18:36

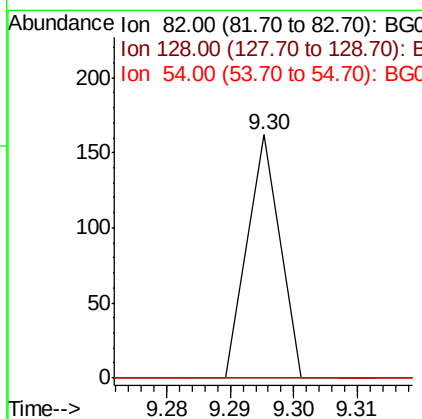
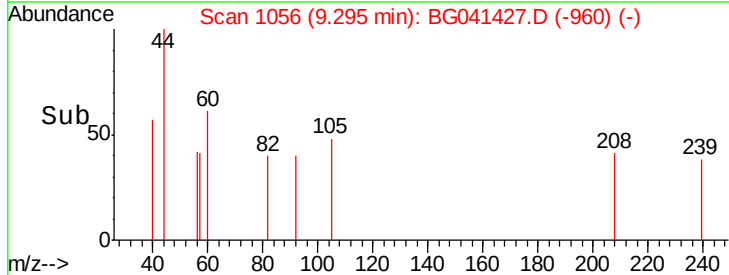
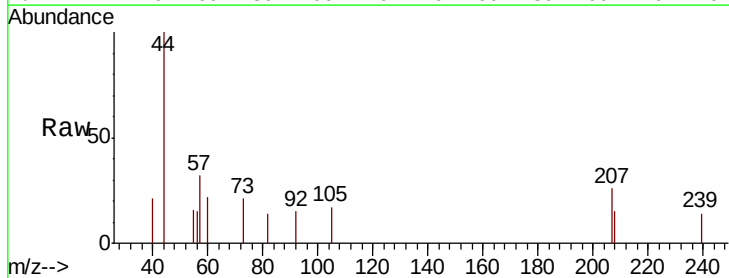
Instrument :
BNA_G
ClientSampleId :
GWMH-7

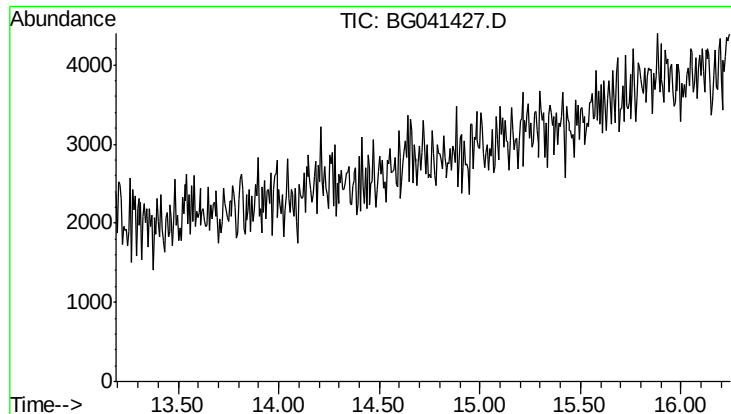
Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.0
54 8.0
68 6.0



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 9.30 min Scan# 1056
Delta R.T. 0.03 min
Lab File: BG041427.D
Acq: 24 Jun 2019 18:36

Tgt Ion: 82 Resp: 57
Ion Ratio Lower Upper
82 100
128 0.0 29.2 43.8#
54 0.0 43.4 65.0#





#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.72 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Instrument :

BNA_G

ClientSampleId :

GWMH-7

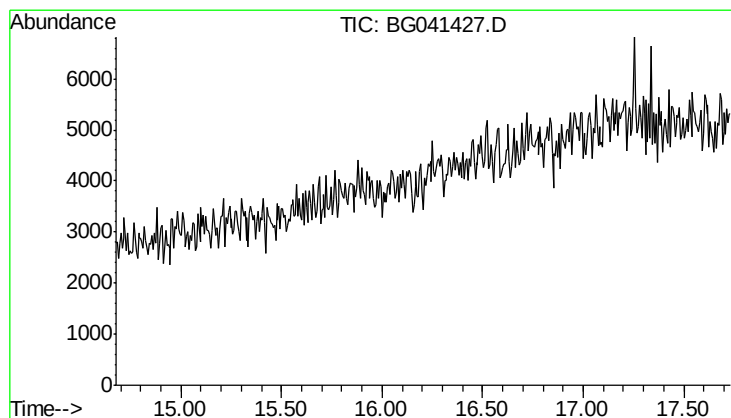
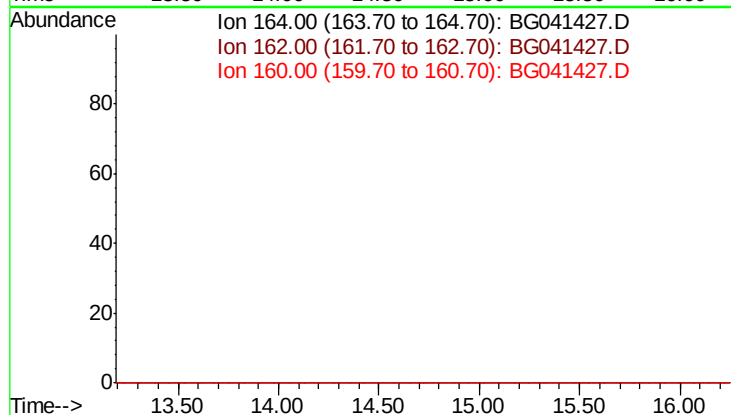
Tgt Ion: 164

Sig Exp Ratio

164 100

162 103.5

160 44.8



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.21 min

Lab File: BG041427.D

Acq: 24 Jun 2019 18:36

Tgt Ion: 330

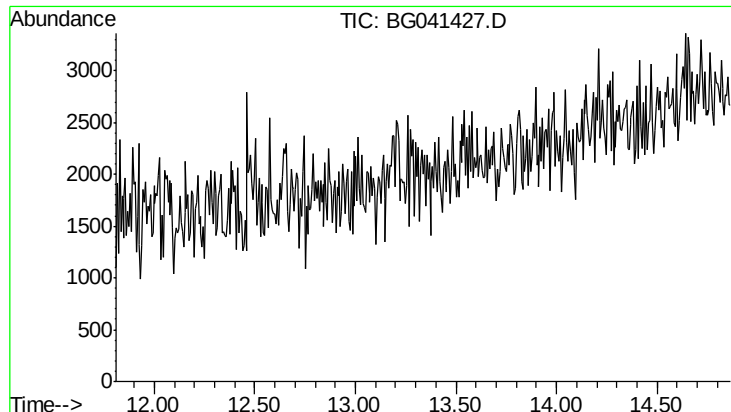
Sig Exp Ratio

330 100

332 94.4

141 36.2

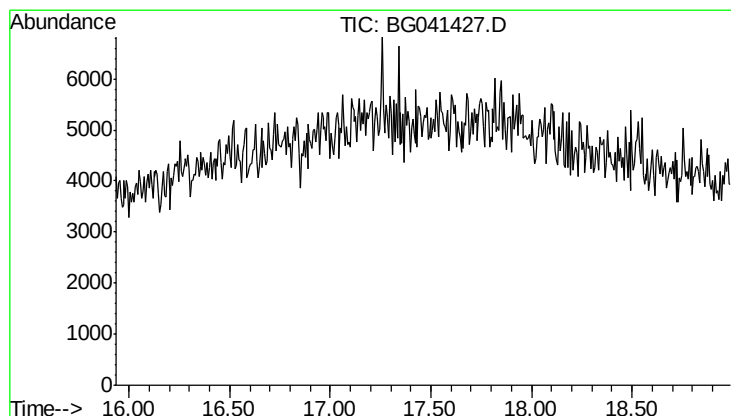
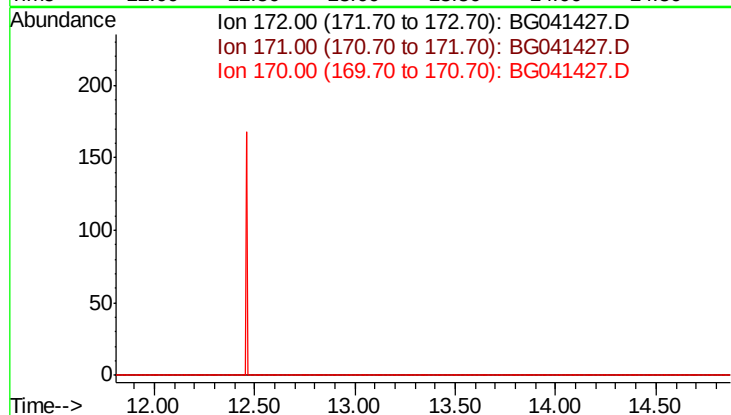




#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.34 min
 Lab File: BG041427.D
 Acq: 24 Jun 2019 18:36

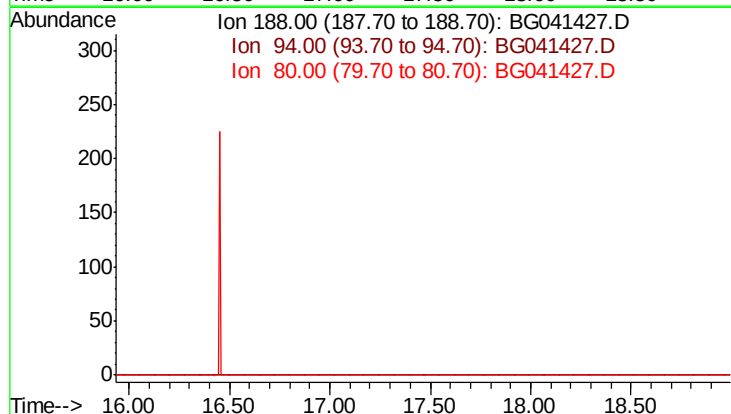
Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

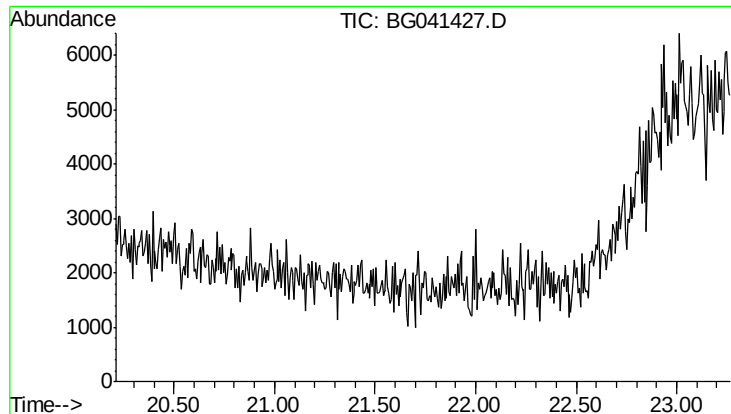
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 37.5
 170 24.7



#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.46 min
 Lab File: BG041427.D
 Acq: 24 Jun 2019 18:36

Tgt Ion: 188
 Sig Exp Ratio
 188 100
 94 4.5
 80 6.0

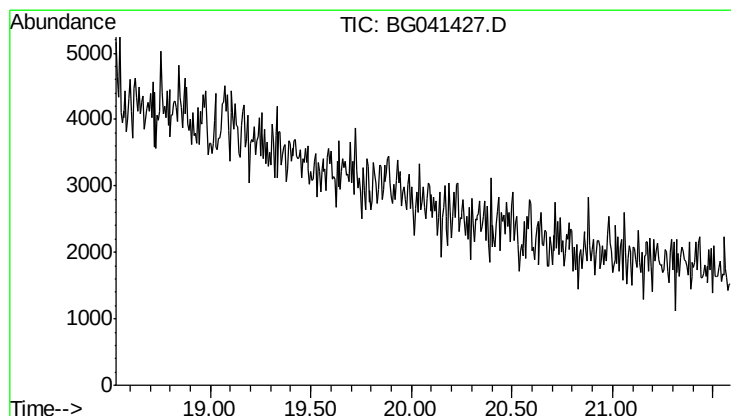
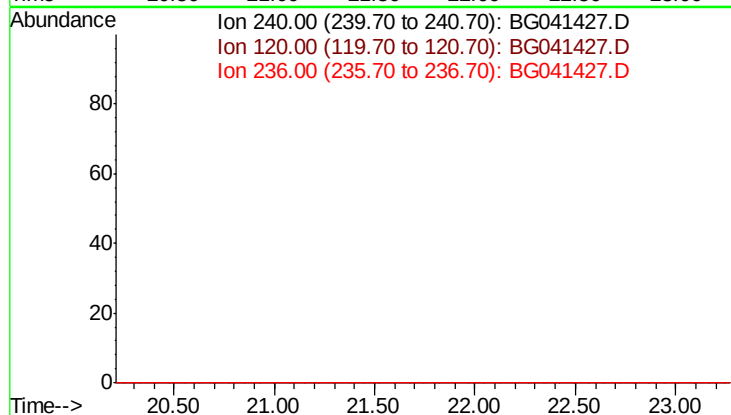




#76
 Chrysene-d12
 Concen: 0.000 ng
 Expected RT: 21.74 min
 Lab File: BG041427.D
 Acq: 24 Jun 2019 18:36

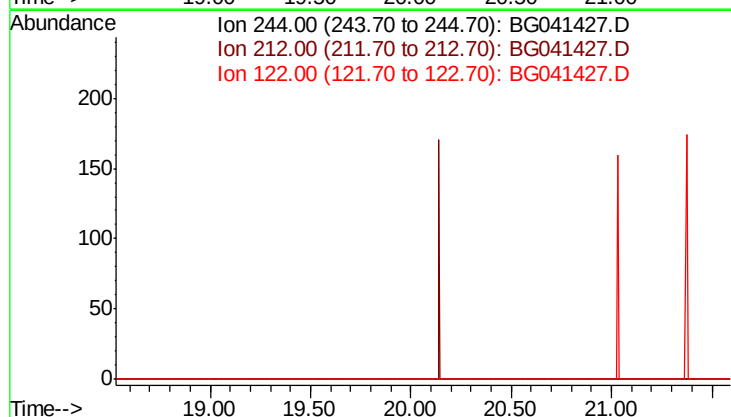
Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

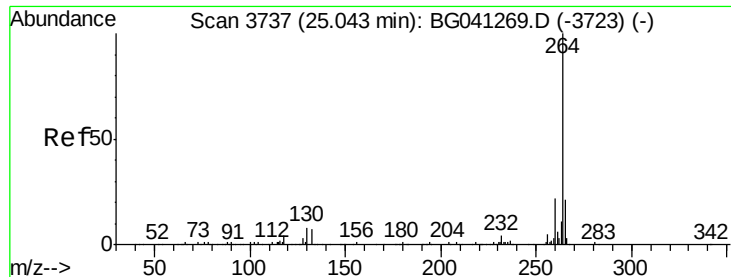
Tgt Ion: 240
 Sig Exp Ratio
 240 100
 120 4.6
 236 26.4



#79
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 20.06 min
 Lab File: BG041427.D
 Acq: 24 Jun 2019 18:36

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 8.3
 122 6.2





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. -0.02 min
Lab File: BG041427.D
Acq: 24 Jun 2019 18:36

Instrument :
BNA_G
ClientSampleId :
GWMH-7

Tgt Ion: 264 Resp: 963

Ion	Ratio	Lower	Upper
264	100		
260	18.4	17.4	26.2
265	21.1	17.2	25.8

