

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033623.D
 Acq On : 6 Apr 2018 10:36
 Operator : SJ/JU
 Sample : J2216-03DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GWDL

Quant Time: Apr 06 11:43:52 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

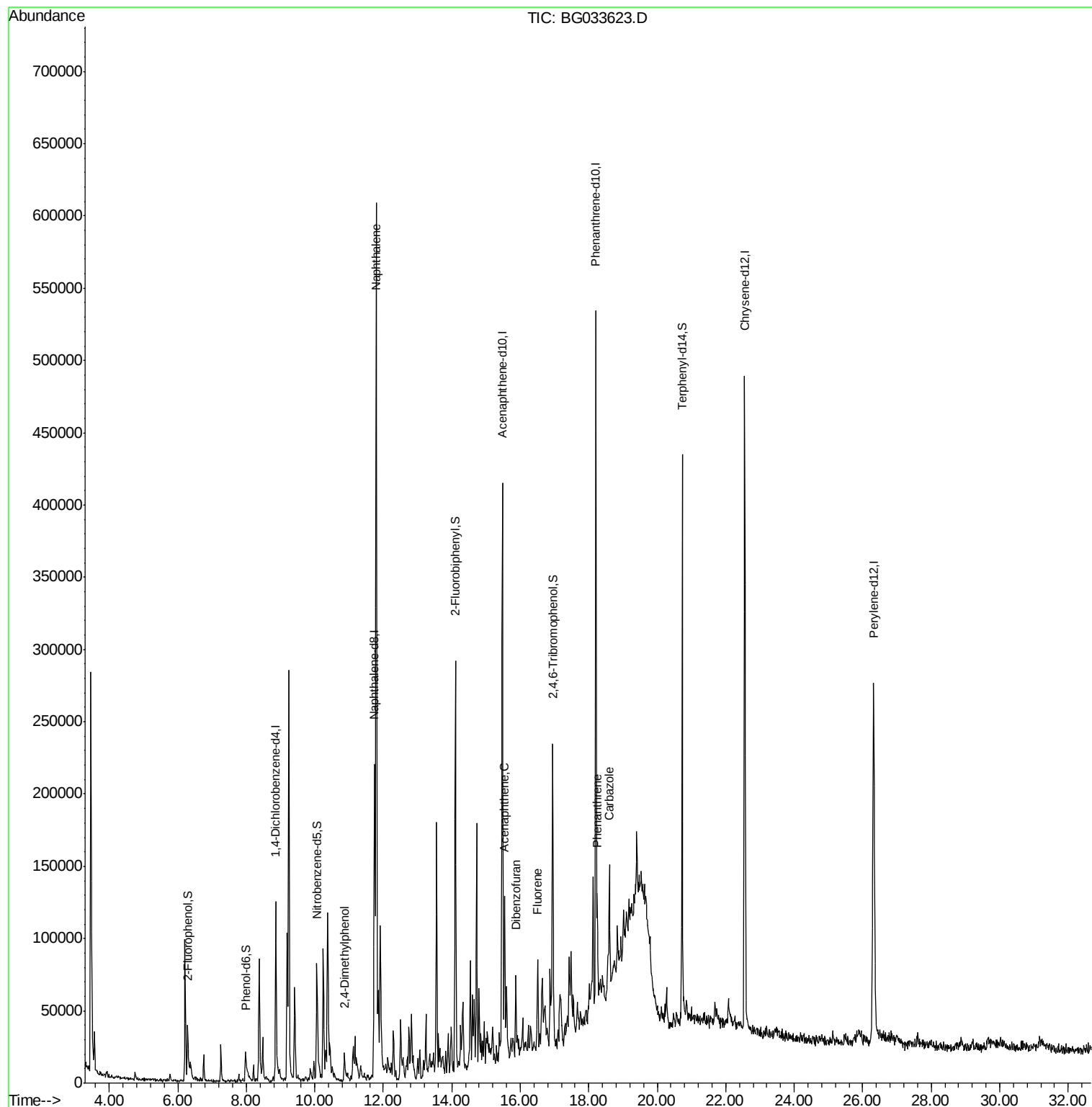
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	43641	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	206974	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	149820	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	324839	20.00	ng	0.00
75) Chrysene-d12	22.55	240	329312	20.00	ng	0.00
86) Perylene-d12	26.31	264	341810	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	19443	8.35	ng	0.00
7) Phenol-d6	7.99	99	16309	4.08	ng	0.02
23) Nitrobenzene-d5	10.06	82	61785	13.72	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	38782	17.31	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	168149	16.20	ng	0.00
78) Terphenyl-d14	20.73	244	195974	12.73	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	10.87	122	7467	2.816	ng	92
31) Naphthalene	11.80	128	517174	48.219	ng	100
51) Acenaphthene	15.54	154	41845	4.382	ng	90
54) Dibenzofuran	15.87	168	40713	2.886	ng	97
57) Fluorene	16.51	166	28674	2.386	ng	98
70) Phenanthrene	18.25	178	42311	2.501	ng	# 95
72) Carbazole	18.60	167	66386	4.373	ng	94

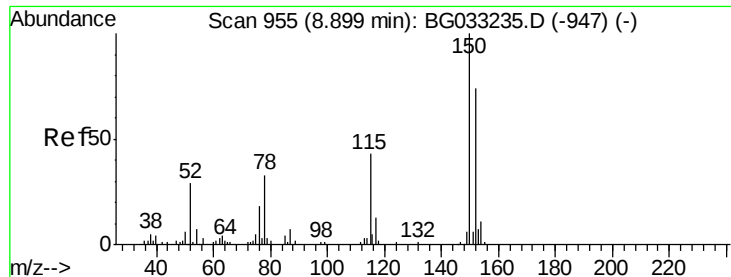
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 05 17:36:07 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

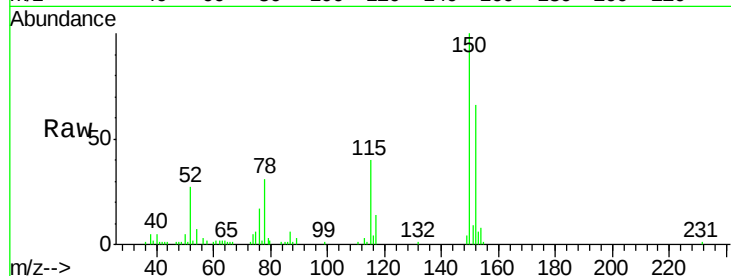
Tot Ion:152 Resp: 43641

Ion Ratio Lower Upper

152 100

150 151.0 126.6 189.8

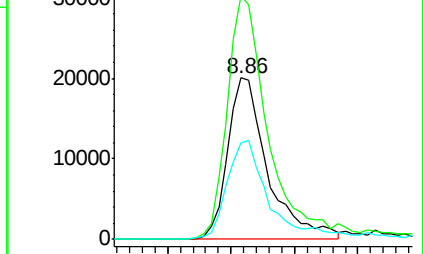
115 59.8 53.0 79.4



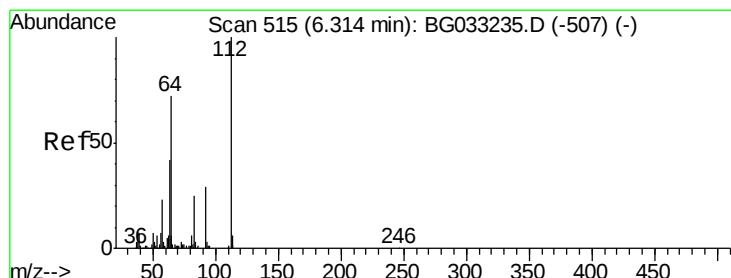
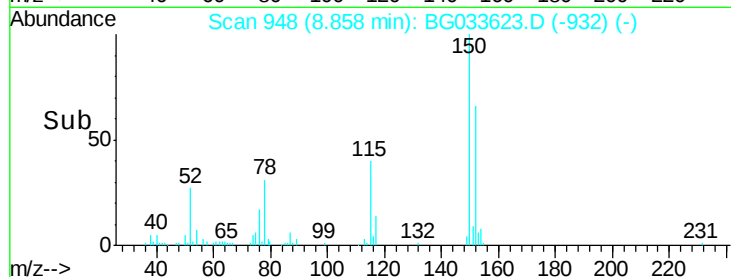
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 8.354 ng

RT: 6.29 min Scan# 511

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

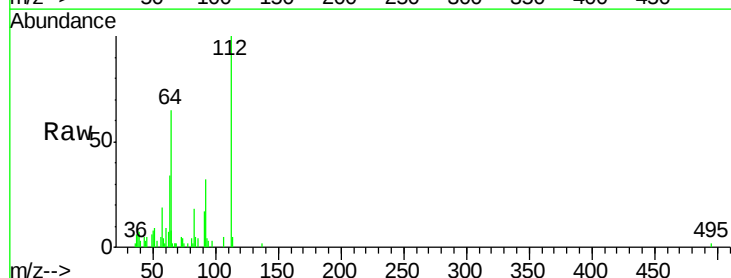
Tgt Ion:112 Resp: 19443

Ion Ratio Lower Upper

112 100

64 65.5 56.3 84.5

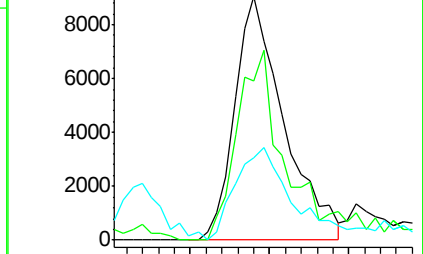
63 33.6 30.1 45.1



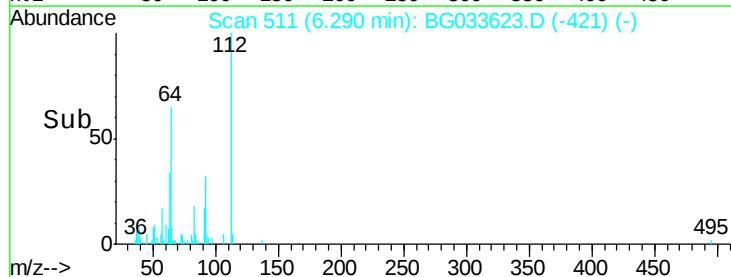
Abundance Ion 112.00 (111.70 to 112.70): E

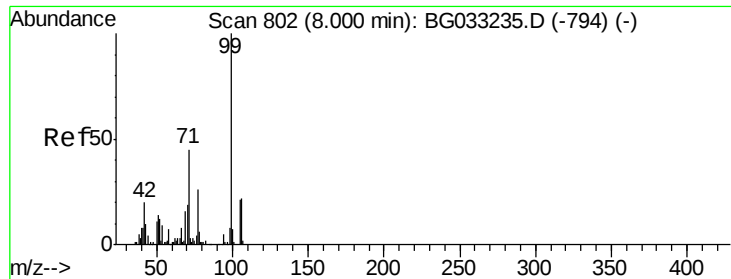
Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 4.078 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.02 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

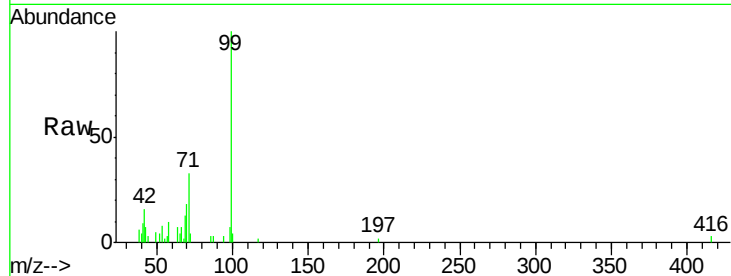
Tot Ion: 99 Resp: 16309

Ion Ratio Lower Upper

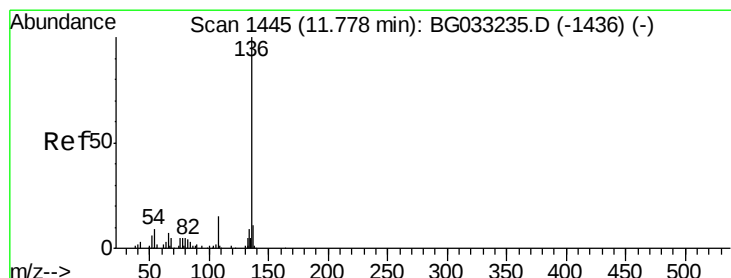
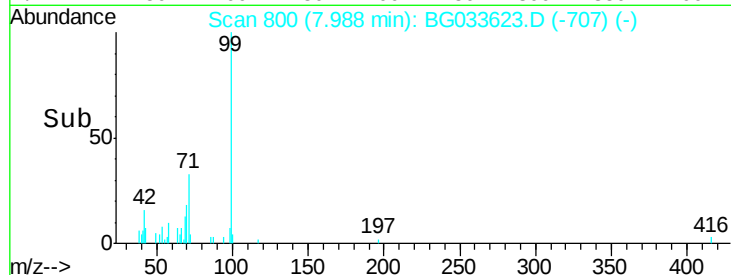
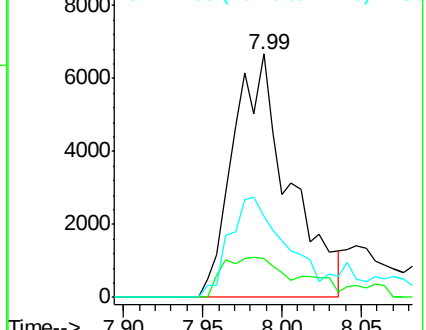
99 100

42 15.8 14.1 21.1

71 33.3 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Tgt Ion: 136 Resp: 206974

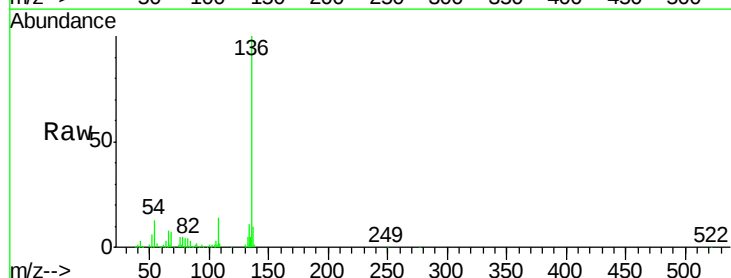
Ion Ratio Lower Upper

136 100

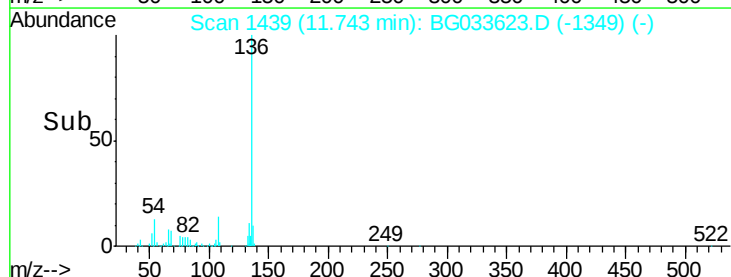
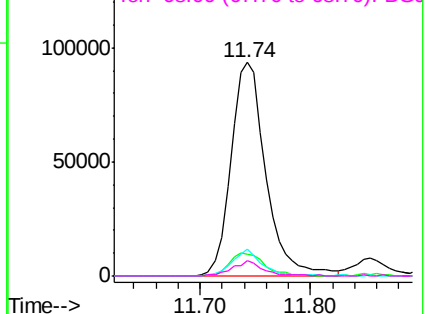
137 10.4 9.2 13.8

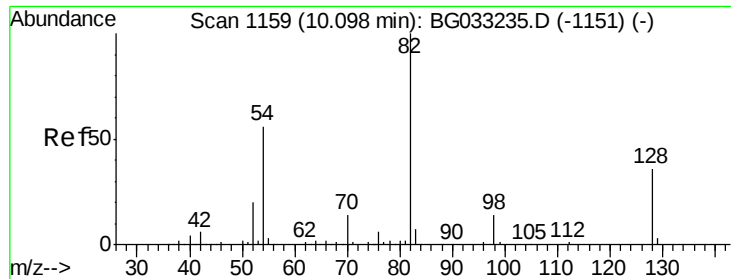
54 12.9 10.3 15.5

68 7.4 4.5 6.7#



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





#23

Nitrobenzene-d5

Concen: 13.715 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

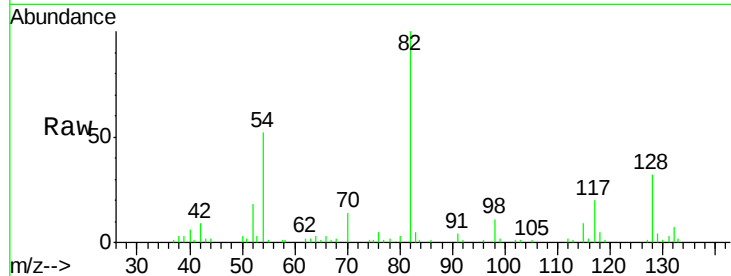
Tot Ion: 82 Resp: 61785

Ion Ratio Lower Upper

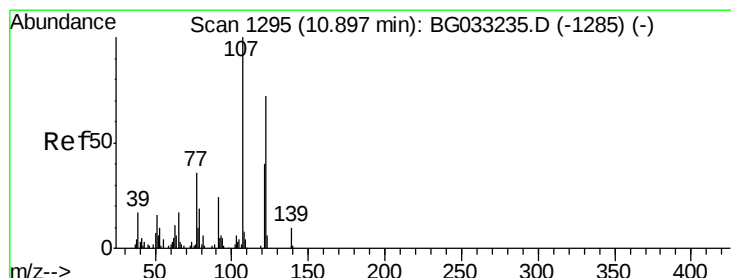
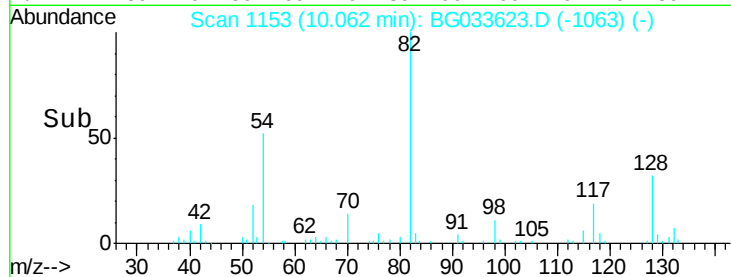
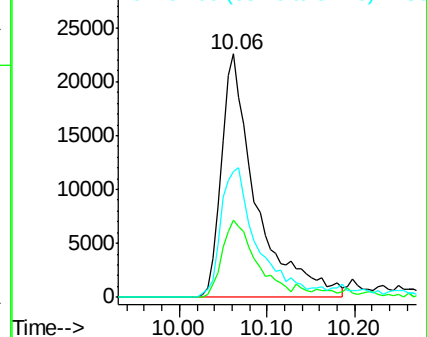
82 100

128 31.8 29.7 44.5

54 51.8 43.1 64.7



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: 2.816 ng

RT: 10.87 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

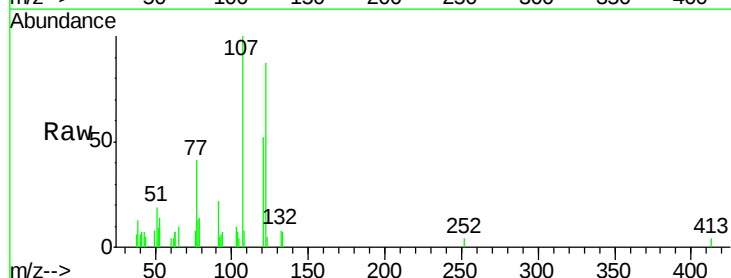
Tgt Ion:122 Resp: 7467

Ion Ratio Lower Upper

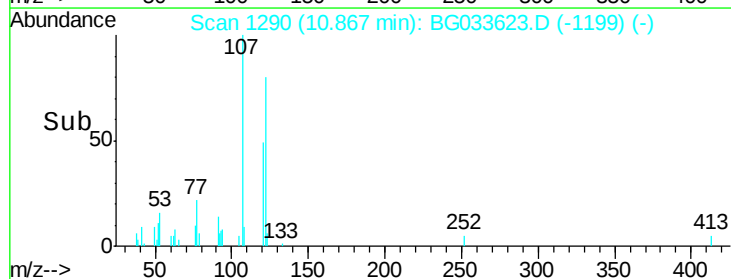
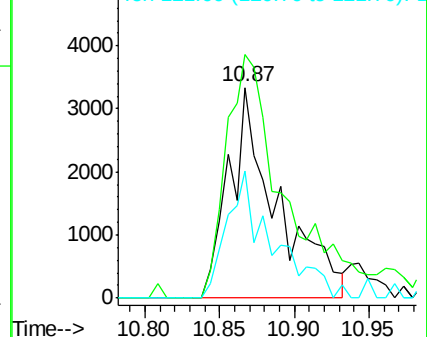
122 100

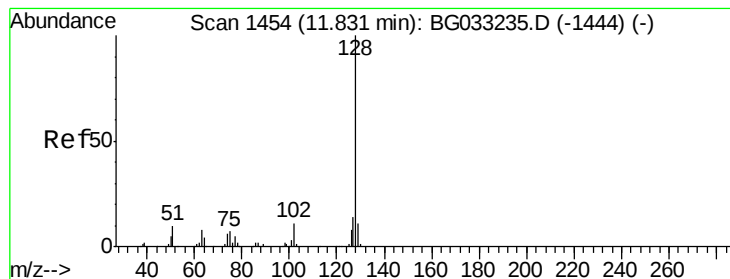
107 115.4 100.2 150.2

121 60.2 44.4 66.6



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





#31

Naphthalene

Concen: 48.219 ng

RT: 11.80 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

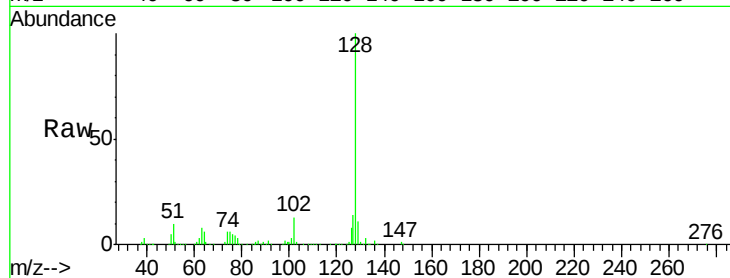
Tot Ion:128 Resp: 517174

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

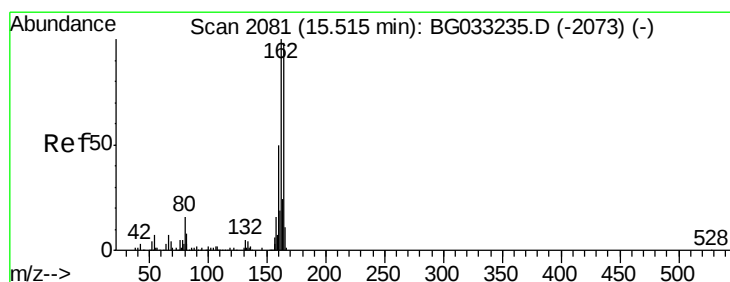
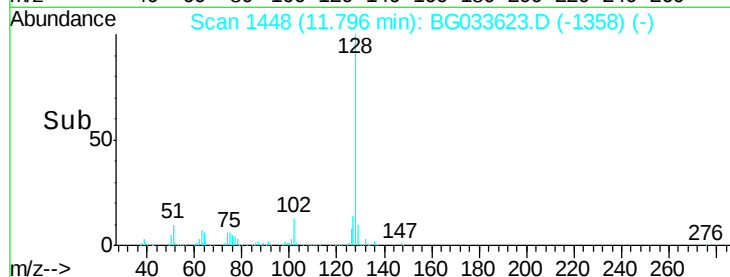
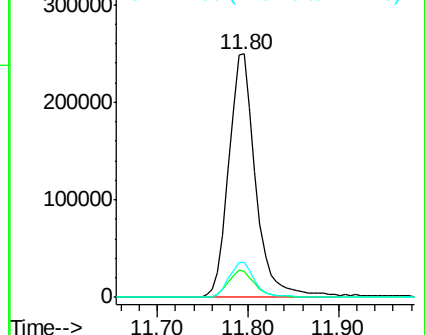
127 14.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

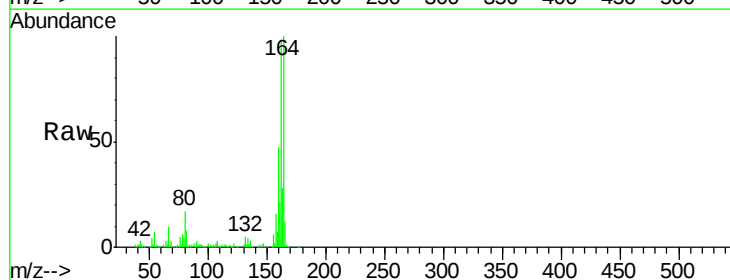
Tgt Ion:164 Resp: 149820

Ion Ratio Lower Upper

164 100

162 98.2 78.8 118.2

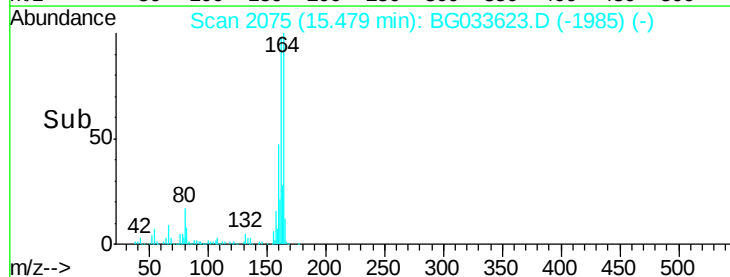
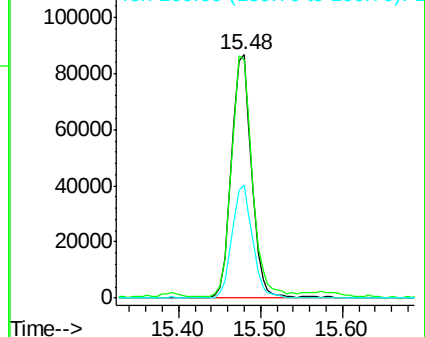
160 46.5 35.4 53.0

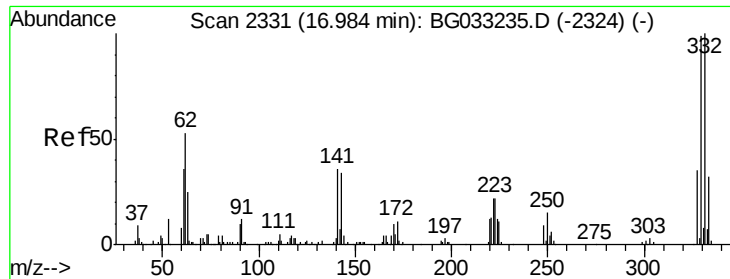


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

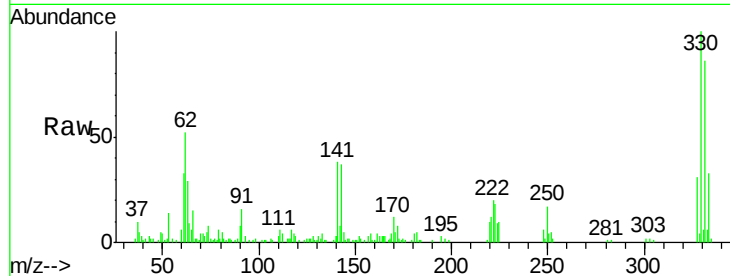




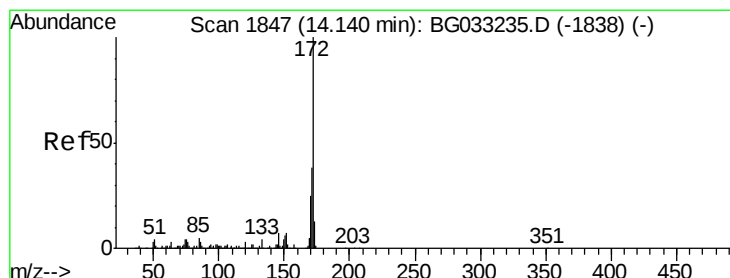
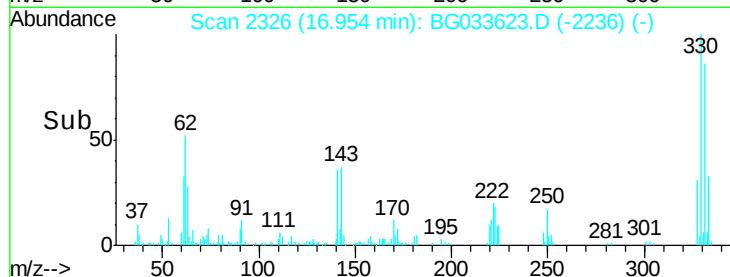
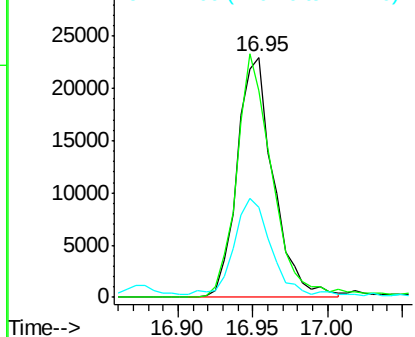
#41
 2,4,6-Tribromophenol
 Concen: 17.308 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033623.D
 Acq: 6 Apr 2018 10:36

Instrument :
 BNA_G
 ClientSampleId :
 QNWP8-MW27S-GWDL

Tot Ion:330 Resp: 38782
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.0 115.6
 141 40.3 25.2 37.8#

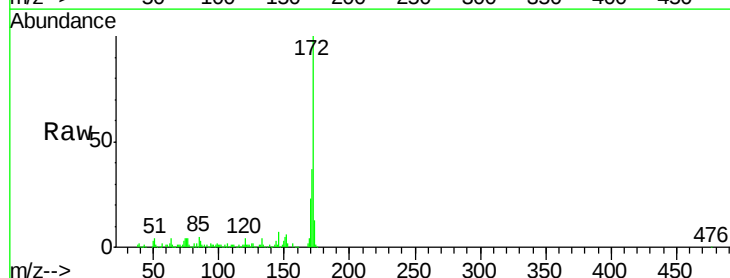


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

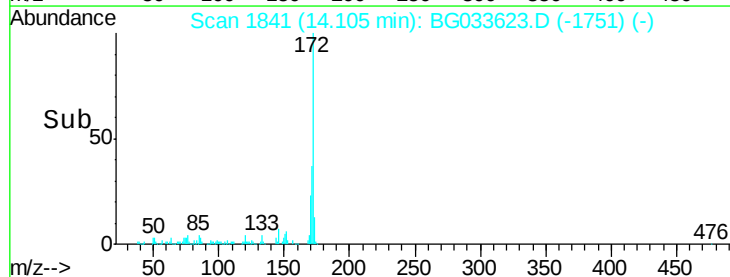
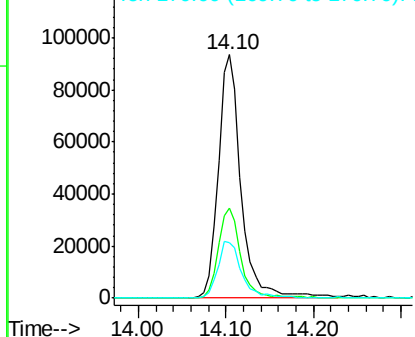


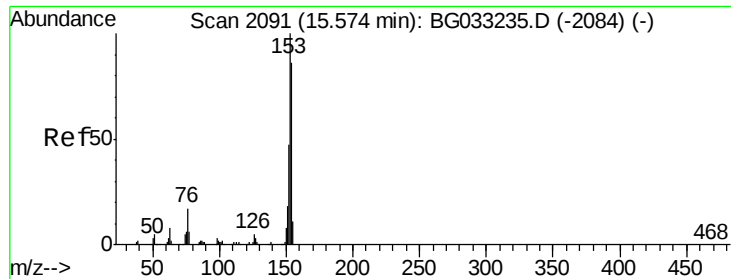
#44
 2-Fluorobiphenyl
 Concen: 16.202 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033623.D
 Acq: 6 Apr 2018 10:36

Tgt Ion:172 Resp: 168149
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.0 45.0
 170 22.9 19.5 29.3



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





#51

Acenaphthene

Concen: 4.382 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

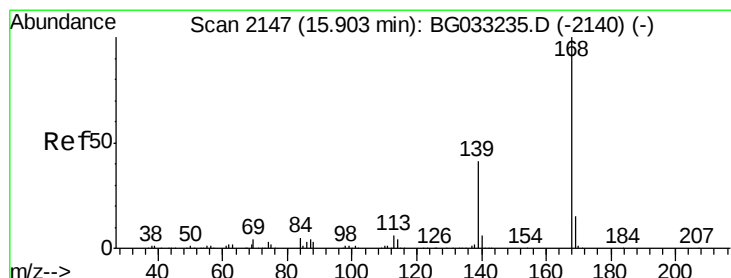
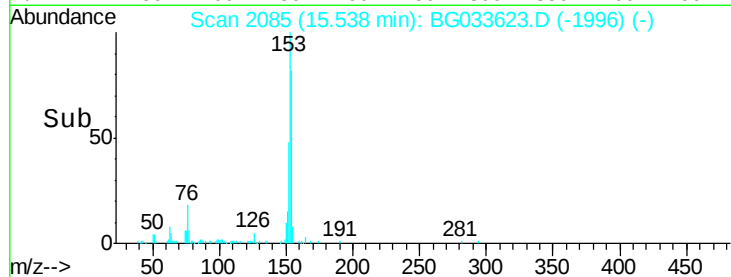
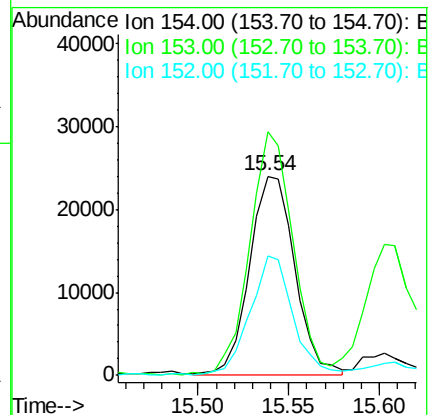
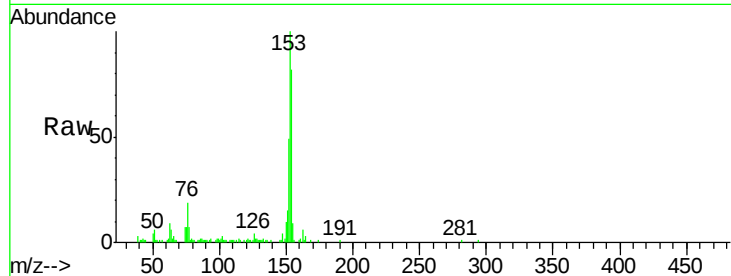
Tot Ion:154 Resp: 41845

Ion Ratio Lower Upper

154 100

153 122.2 90.4 135.6

152 60.1 41.6 62.4



#54

Dibenzofuran

Concen: 2.886 ng

RT: 15.87 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

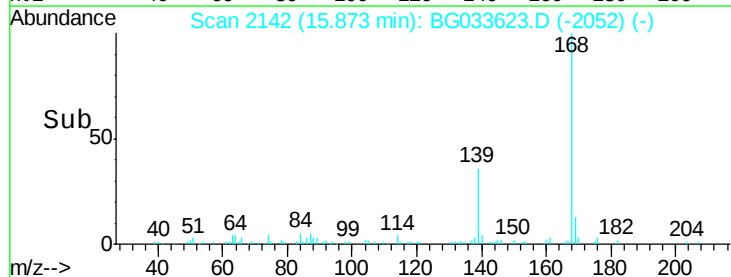
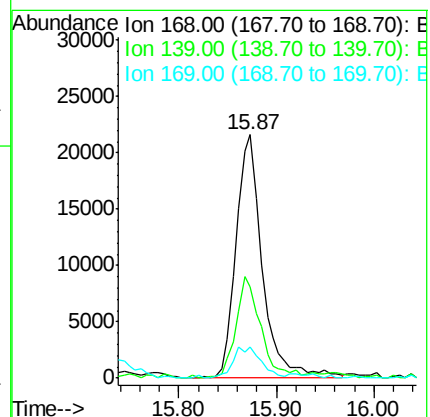
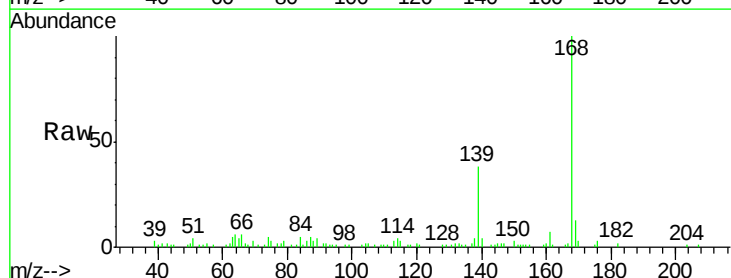
Tgt Ion:168 Resp: 40713

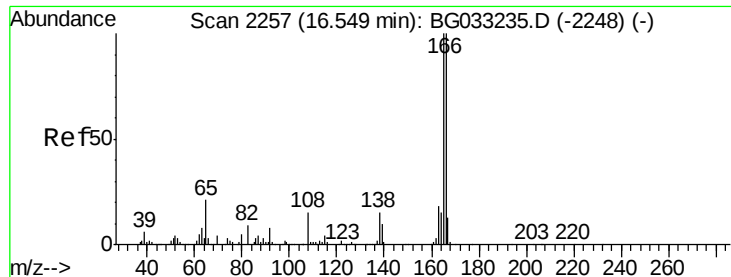
Ion Ratio Lower Upper

168 100

139 37.5 28.6 43.0

169 12.8 11.2 16.8

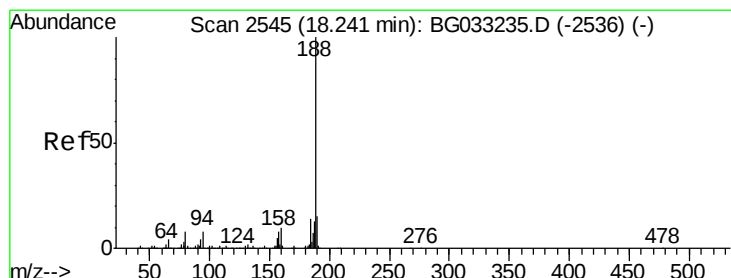
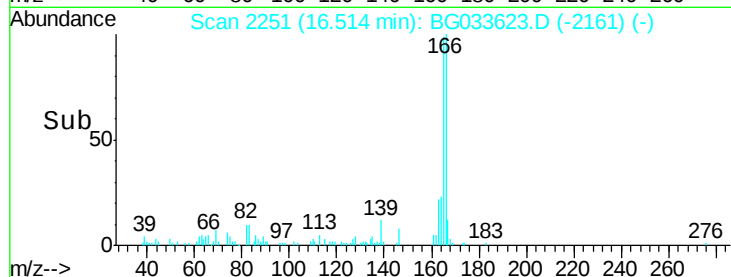
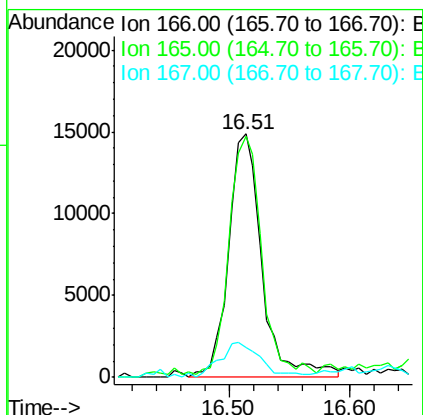
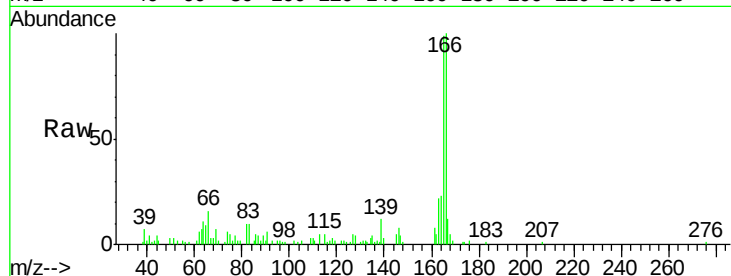




#57
Fluorene
 Concen: 2.386 ng
 RT: 16.51 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: BG033623.D
 Acq: 6 Apr 2018 10:36

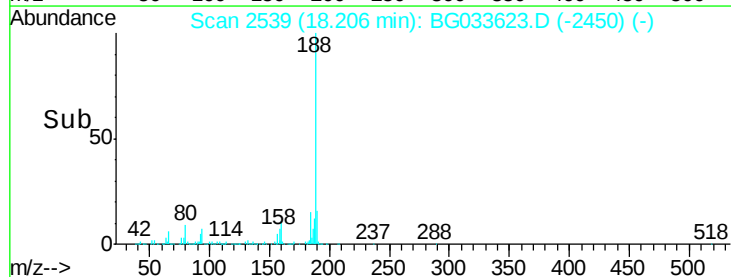
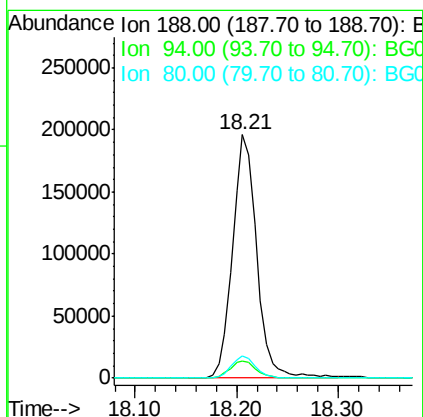
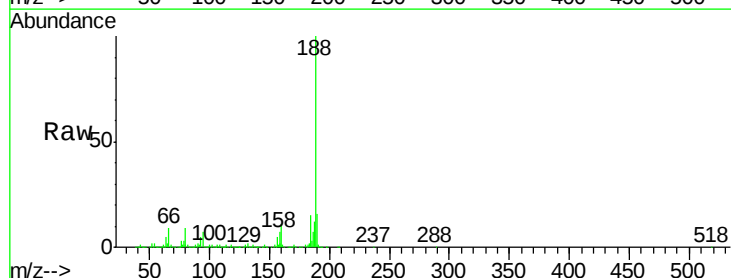
Instrument :
 BNA_G
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 QNWP8-MW27S-GWDL

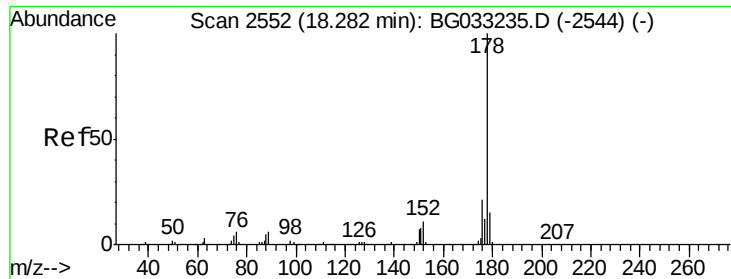
Tot Ion:166 Resp: 28674
 Ion Ratio Lower Upper
 166 100
 165 99.2 80.6 121.0
 167 12.4 10.4 15.6



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BG033623.D
 Acq: 6 Apr 2018 10:36

Tgt Ion:188 Resp: 324839
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.9 10.3
 80 9.0 7.7 11.5





#70

Phenanthrene

Concen: 2.501 ng

RT: 18.25 min Scan# 2546

Delta R.T. -0.01 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

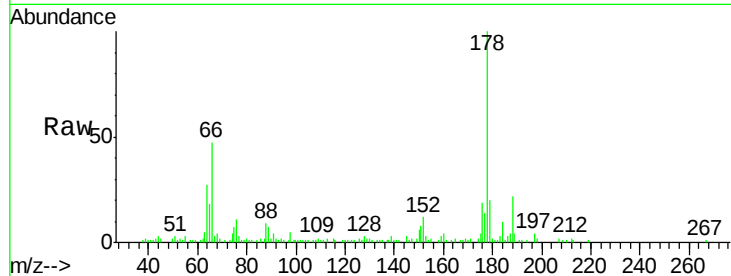
Tot Ion:178 Resp: 42311

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

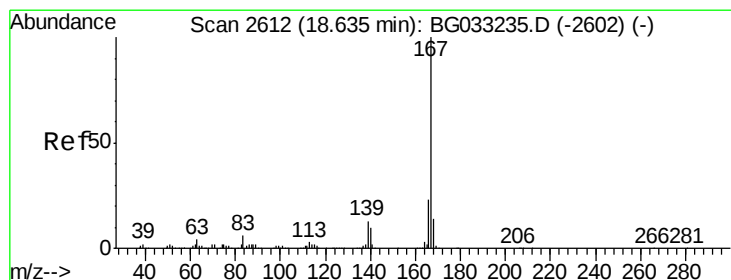
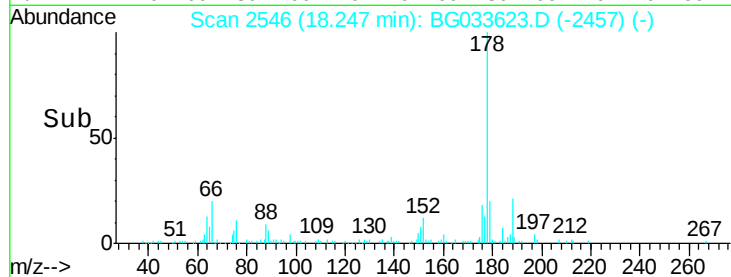
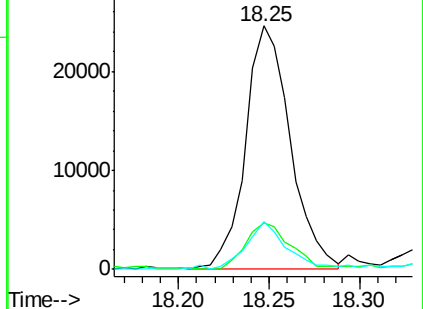
179 19.9 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.373 ng

RT: 18.60 min Scan# 2606

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

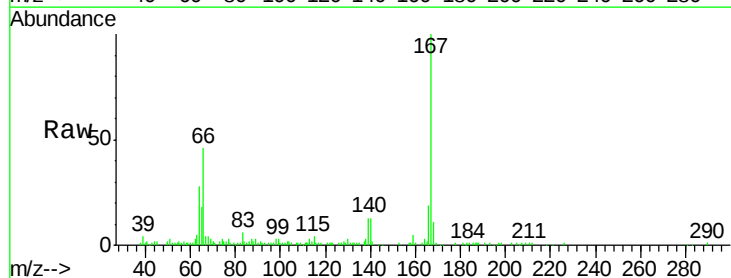
Tgt Ion:167 Resp: 66386

Ion Ratio Lower Upper

167 100

166 19.3 18.2 27.4

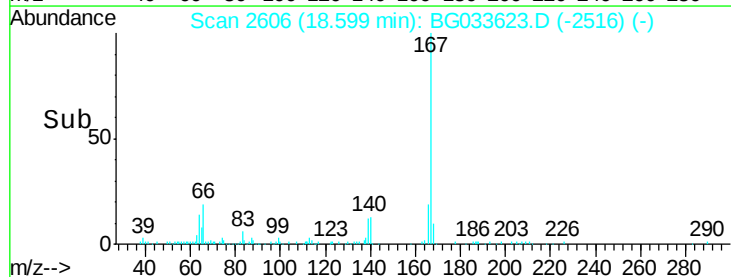
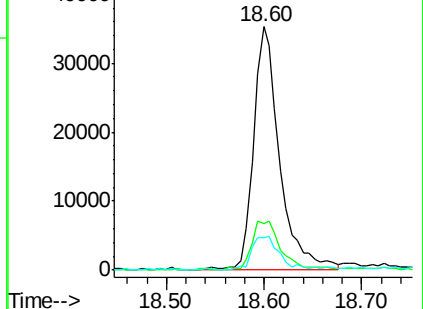
139 13.4 9.4 14.2

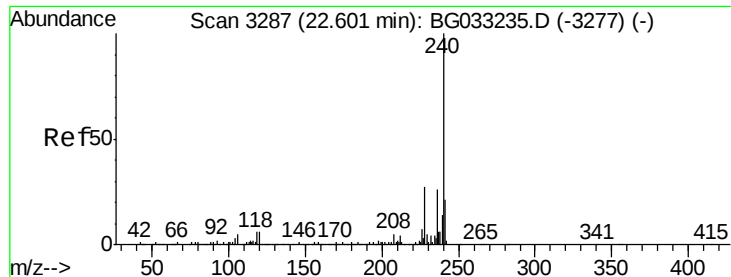


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GWDL

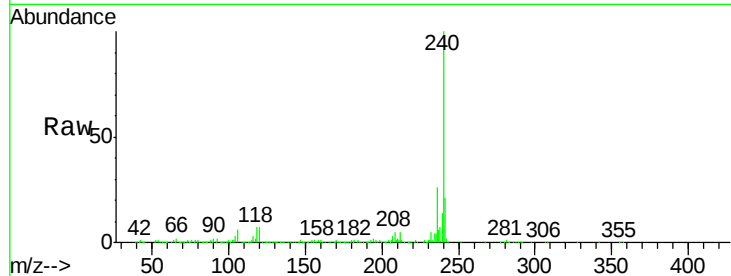
Tot Ion:240 Resp: 329312

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

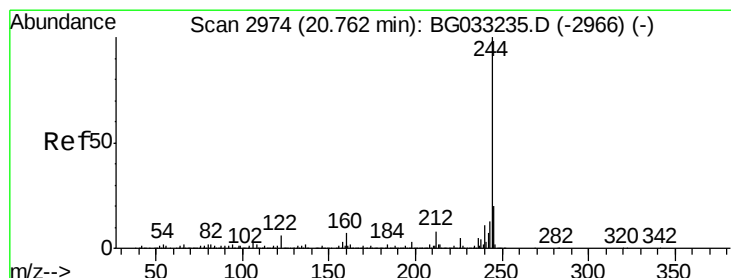
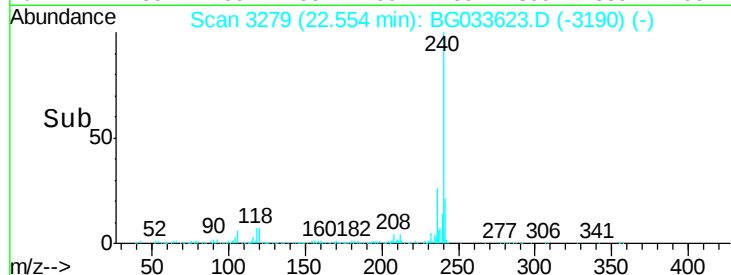
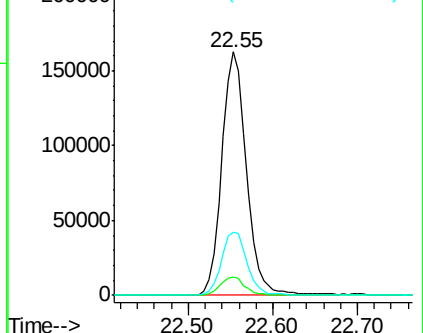
236 25.9 20.9 31.3



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



#78

Terphenyl-d14

Concen: 12.727 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033623.D

Acq: 6 Apr 2018 10:36

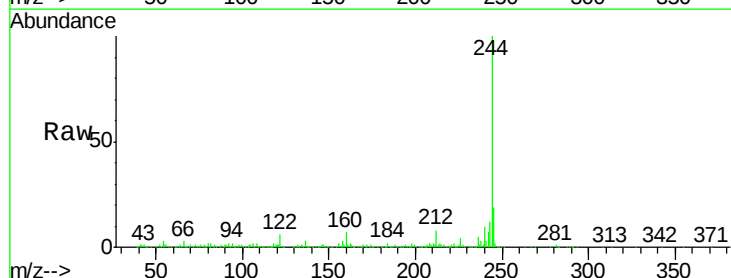
Tgt Ion:244 Resp: 195974

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

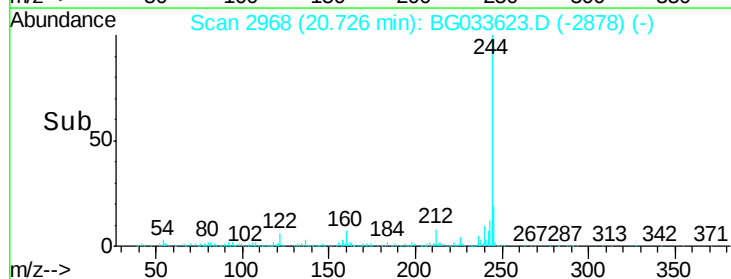
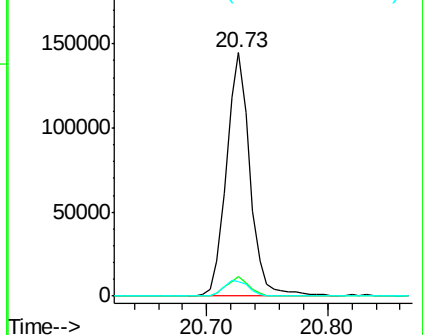
122 6.2 7.0 10.4#



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





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.31 min Scan# 3919
Delta R.T. -0.01 min
Lab File: BG033623.D
Acq: 6 Apr 2018 10:36

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.1	17.7	26.5

