

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021647.D
 Acq On : 14 Apr 2016 10:54
 Operator : UM/SJ
 Sample : H2418-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GMW-11X

Quant Time: Apr 15 12:22:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

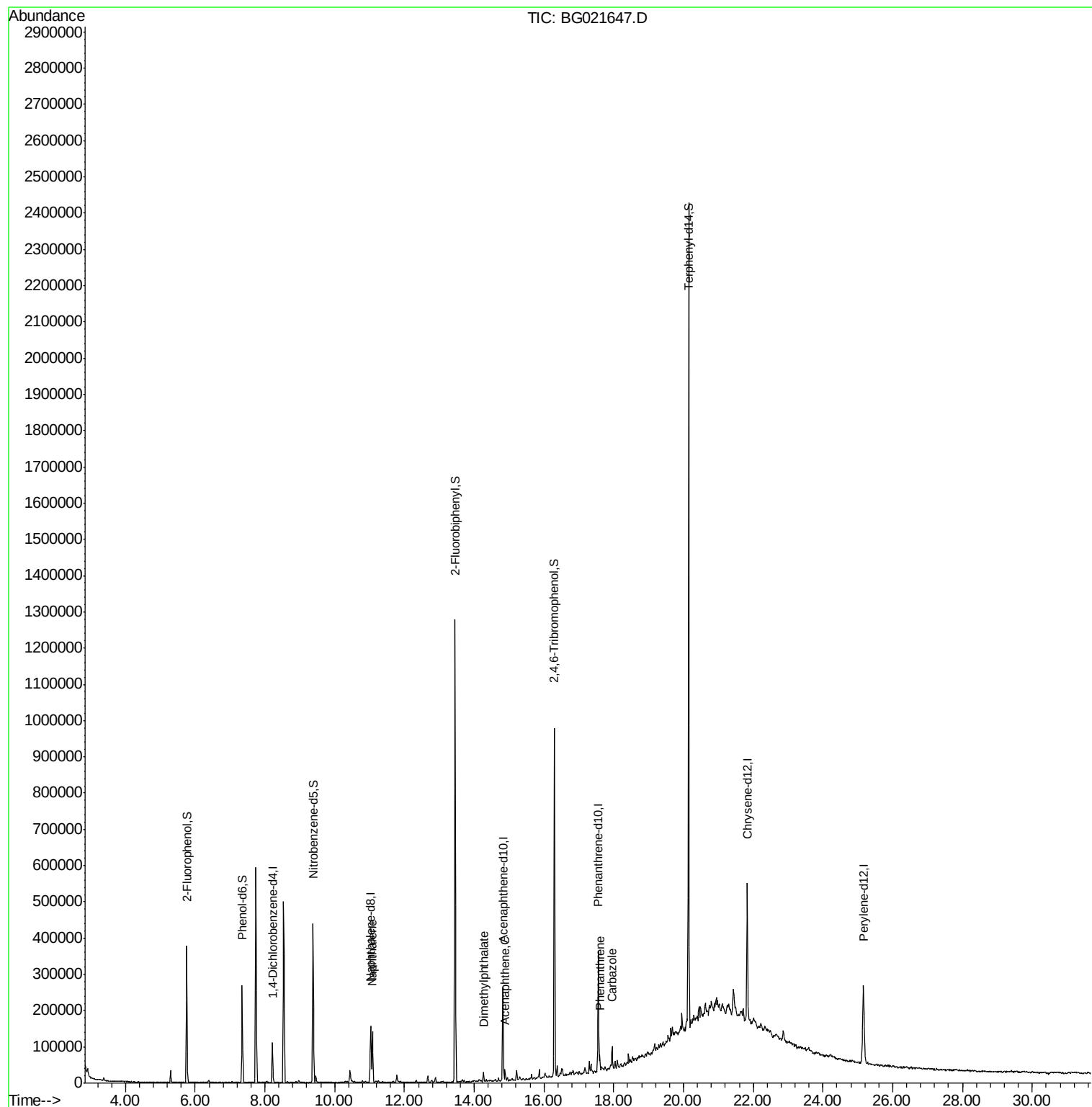
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	29850	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	138881	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	87528	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	205754	20.00	ng	0.00
75) Chrysene-d12	21.83	240	235463	20.00	ng	0.00
86) Perylene-d12	25.16	264	229233	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	162923	90.89	ng	0.00
7) Phenol-d6	7.35	99	157912	58.98	ng	0.00
23) Nitrobenzene-d5	9.38	82	276749	102.42	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	166142	176.12	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	642455	107.54	ng	0.00
78) Terphenyl-d14	20.15	244	939016	99.51	ng	0.00
Target Compounds						
31) Naphthalene	11.08	128	104425	14.05	ng	Qvalue # 95
49) Dimethylphthalate	14.27	163	16270	2.15	ng	# 97
51) Acenaphthene	14.89	154	12128	2.10	ng	92
70) Phenanthrene	17.60	178	24208	2.13	ng	94
72) Carbazole	17.95	167	37403	3.48	ng	100

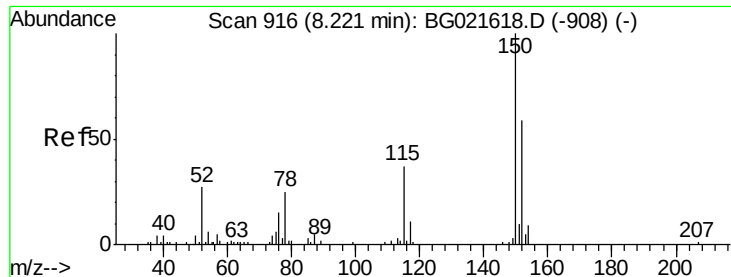
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

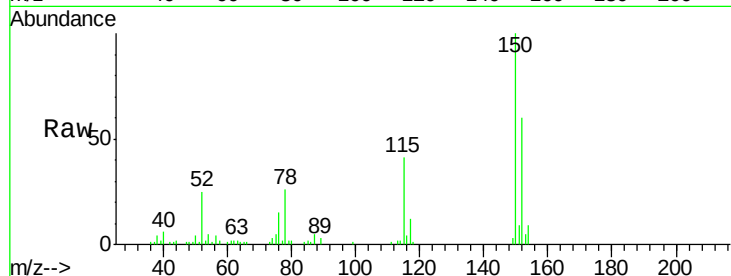
Tgt Ion:152 Resp: 29850

Ion Ratio Lower Upper

152 100

150 165.6 130.1 195.1

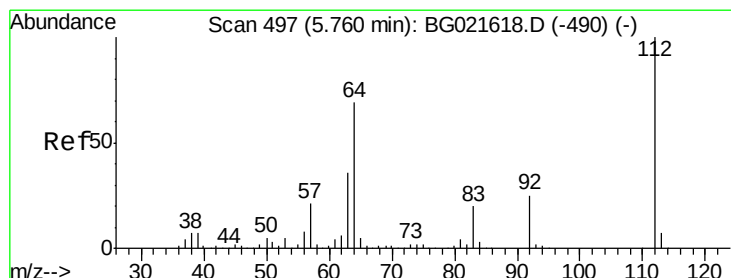
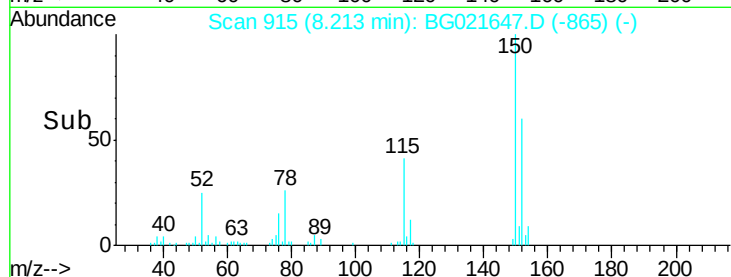
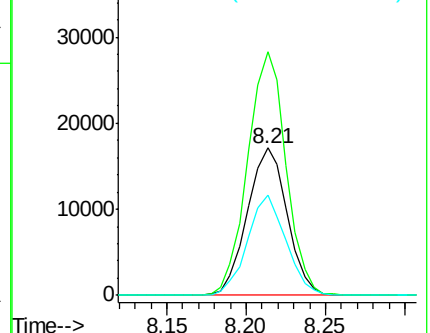
115 68.3 62.2 93.2



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: 90.89 ng

RT: 5.76 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

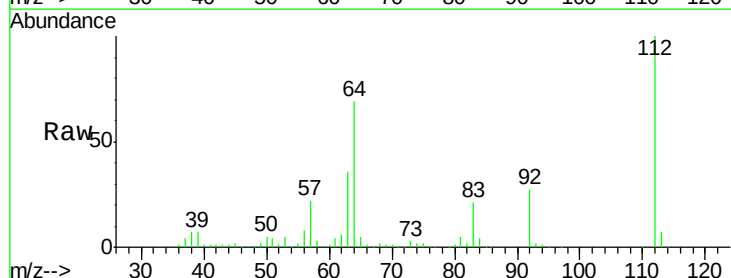
Tgt Ion:112 Resp: 162923

Ion Ratio Lower Upper

112 100

64 69.3 51.1 76.7

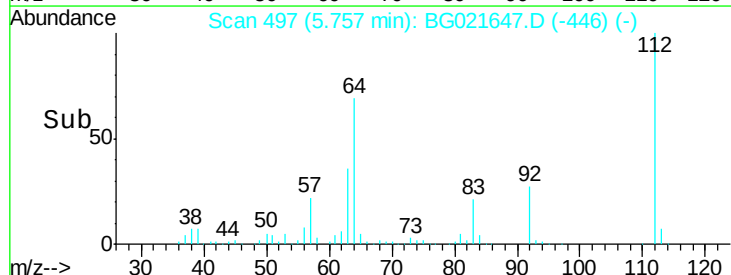
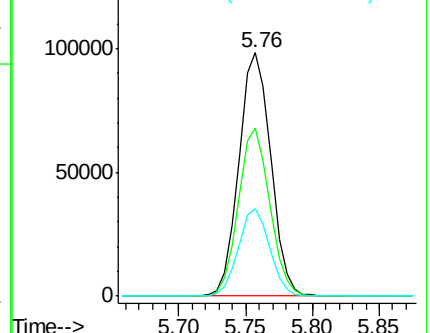
63 35.8 24.6 37.0

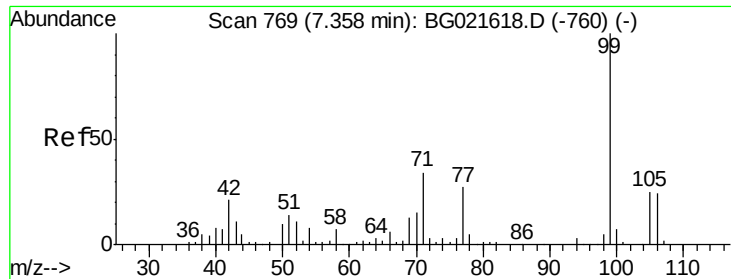


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 58.98 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

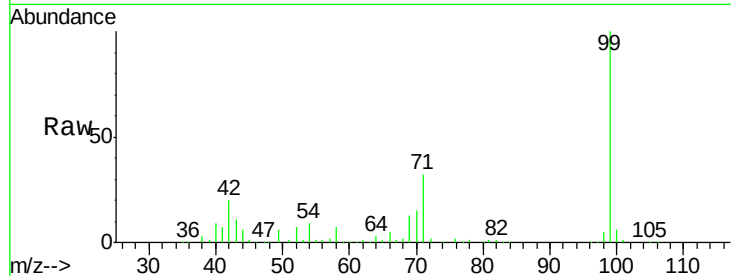
Tgt Ion: 99 Resp: 157912

Ion Ratio Lower Upper

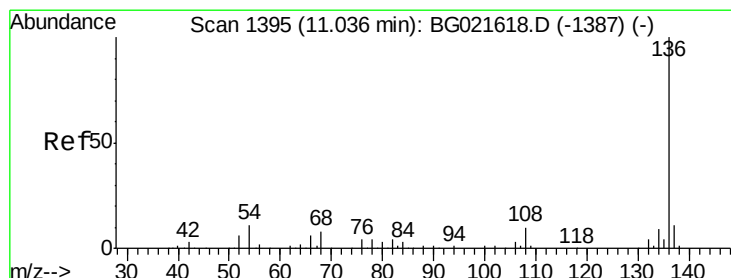
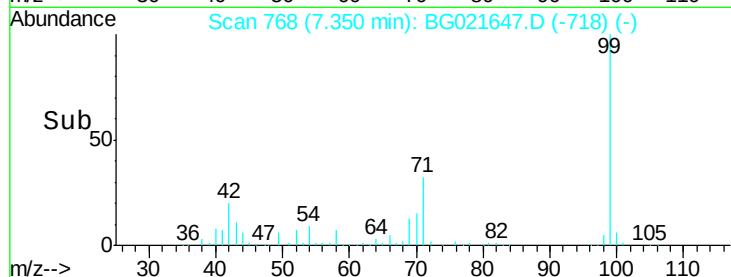
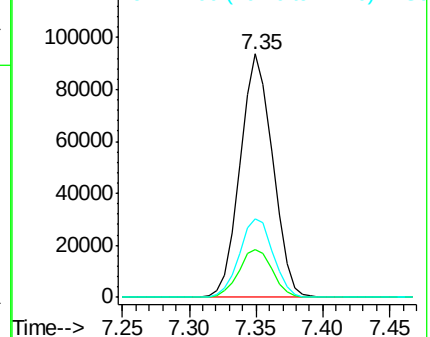
99 100

42 19.7 16.4 24.6

71 32.1 25.0 37.4



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: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Tgt Ion: 136 Resp: 138881

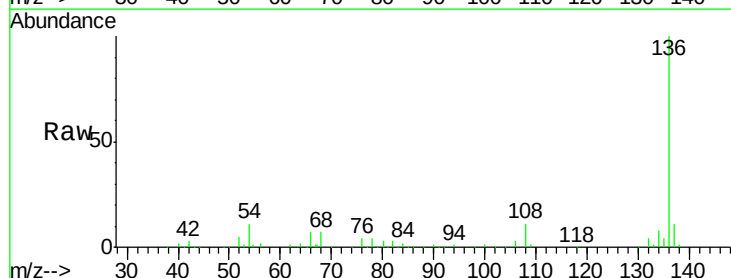
Ion Ratio Lower Upper

136 100

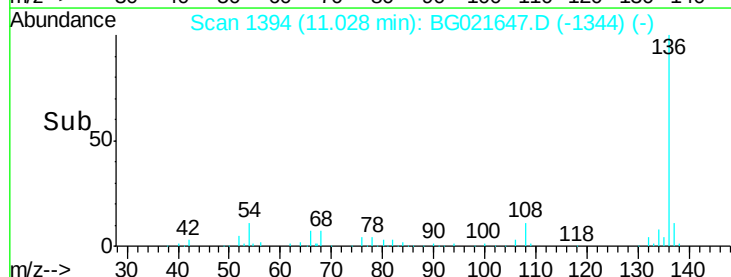
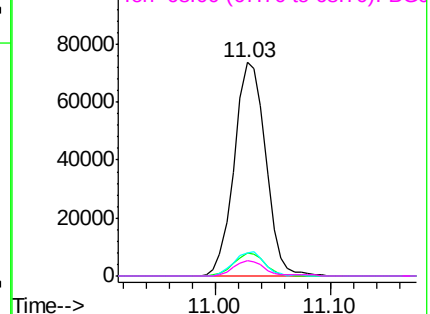
137 10.8 9.0 13.4

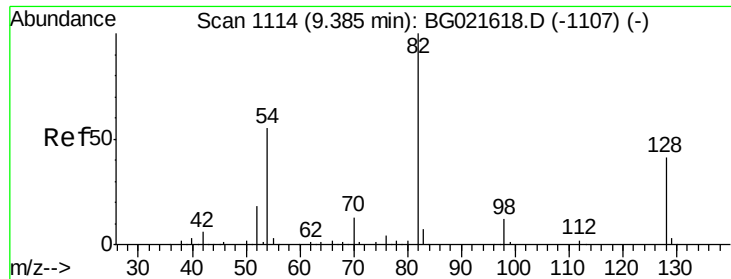
54 11.8 9.6 14.4

68 7.5 6.4 9.6



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

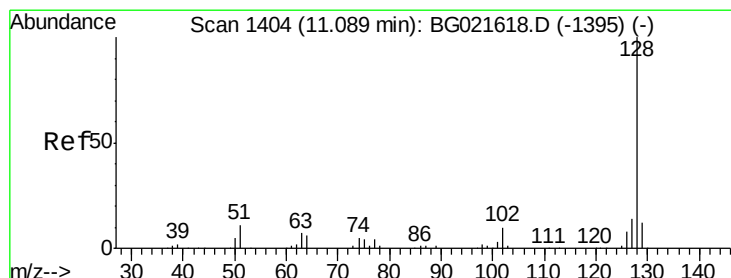
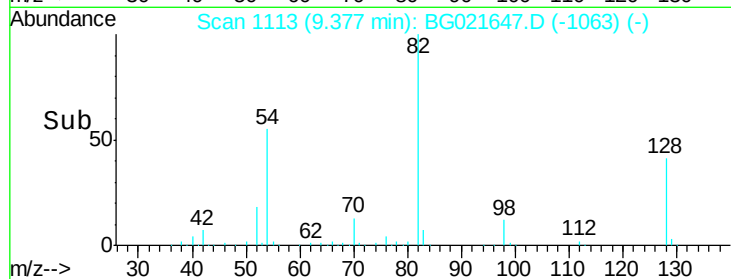
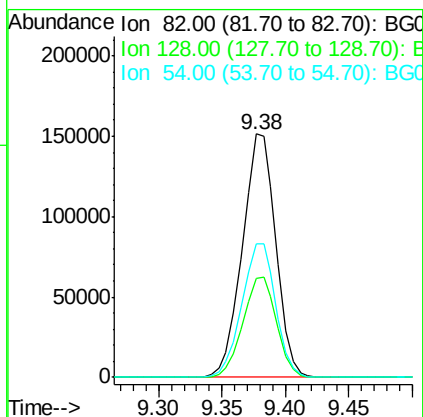
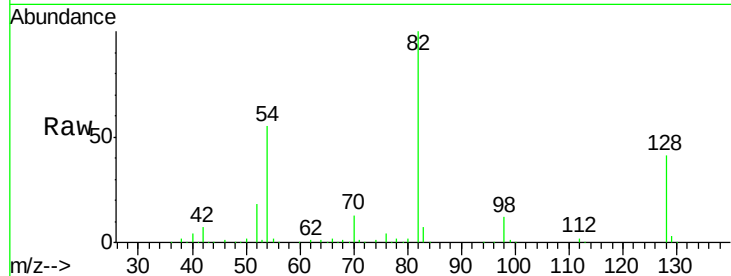




#23
Nitrobenzene-d5
Concen: 102.42 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

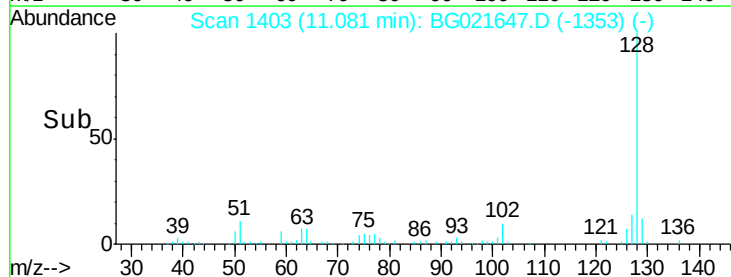
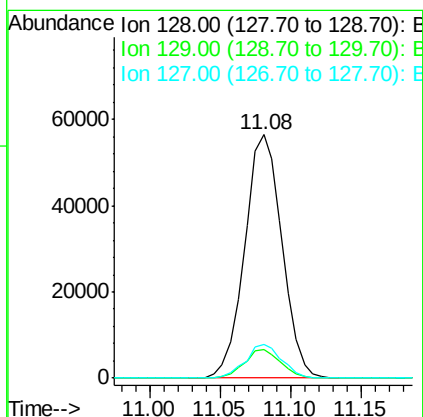
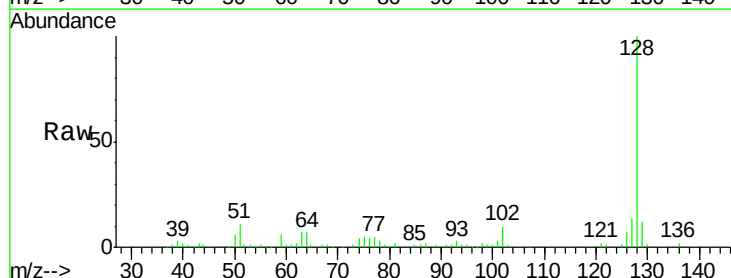
Instrument :
BNA_G
ClientSampleId :
GMW-11X

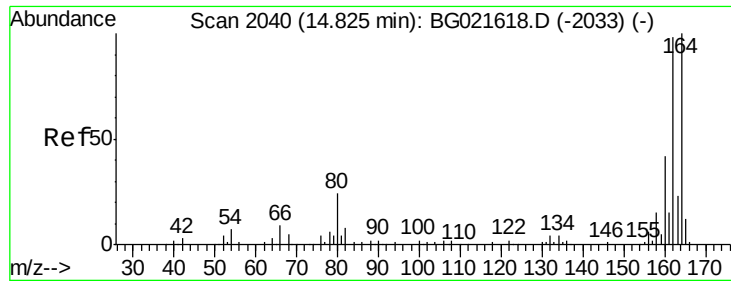
Tgt Ion: 82 Resp: 276749
Ion Ratio Lower Upper
82 100
128 40.6 33.4 50.0
54 55.0 46.1 69.1



#31
Naphthalene
Concen: 14.05 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Tgt Ion: 128 Resp: 104425
Ion Ratio Lower Upper
128 100
129 11.7 7.0 10.6#
127 13.6 10.1 15.1

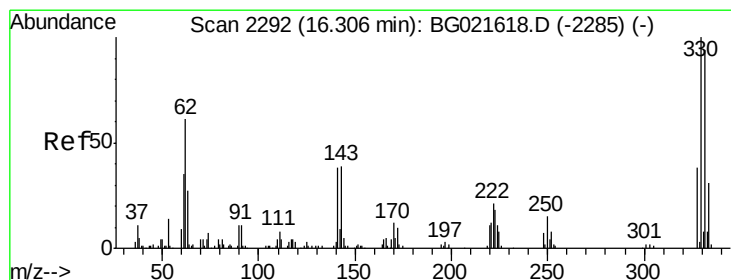
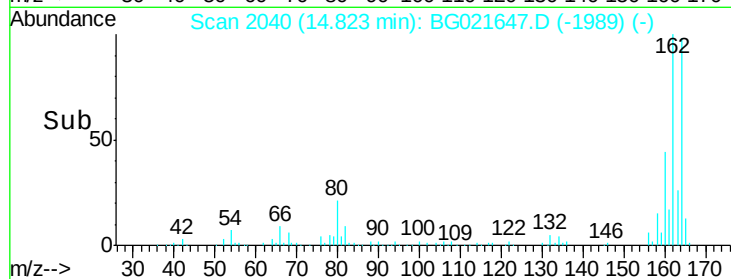
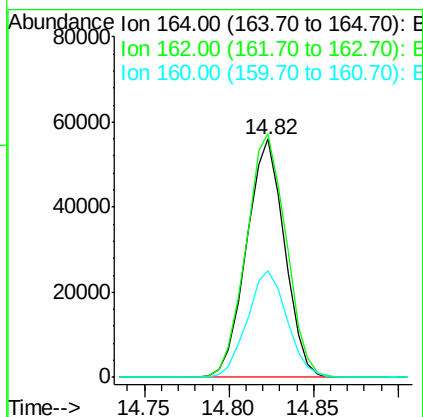
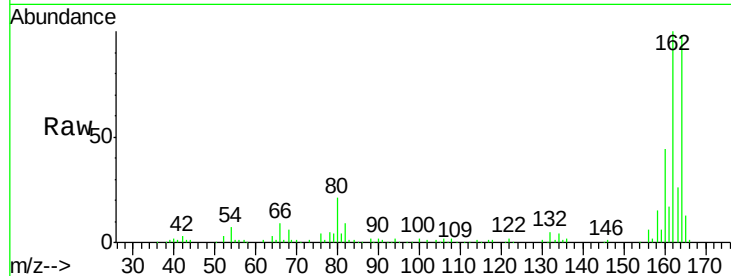




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

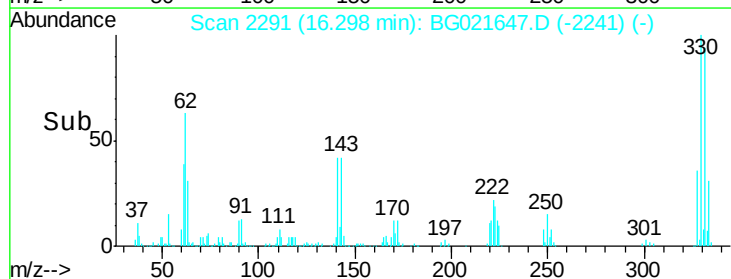
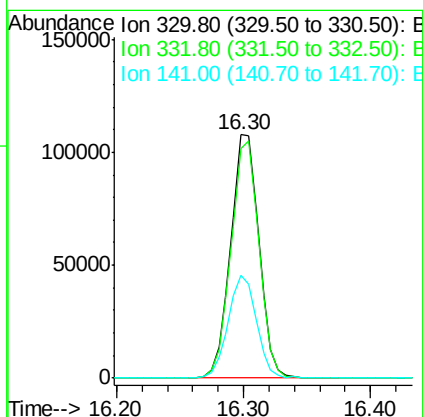
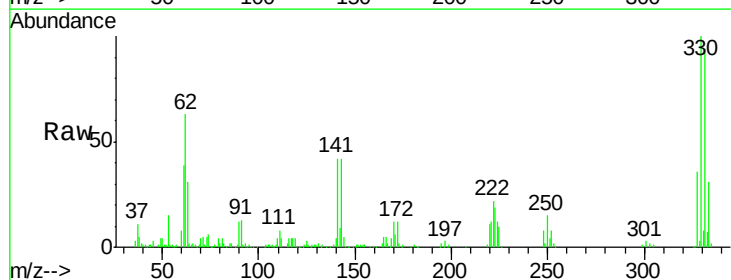
Instrument :
 BNA_G
 ClientSampleId :
 GMW-11X

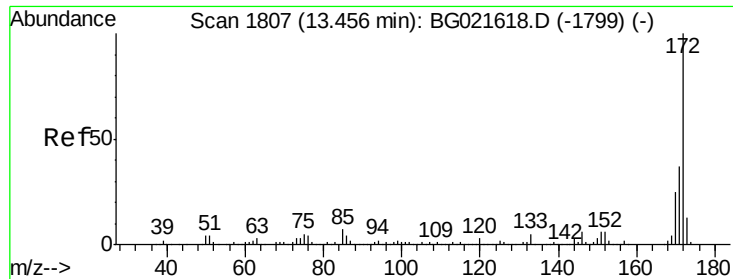
Tgt Ion:164 Resp: 87528
 Ion Ratio Lower Upper
 164 100
 162 102.3 78.0 117.0
 160 44.8 32.9 49.3



#41
 2,4,6-Tribromophenol
 Concen: 176.12 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Tgt Ion:330 Resp: 166142
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.0 117.0
 141 42.7 33.8 50.8

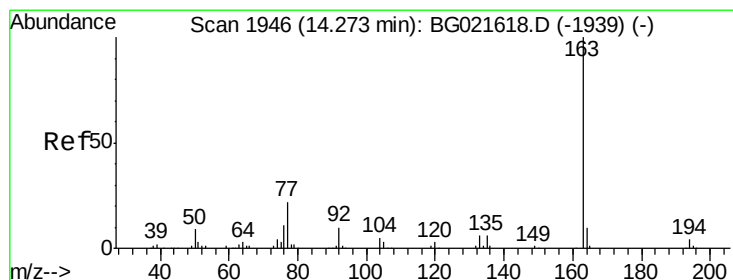
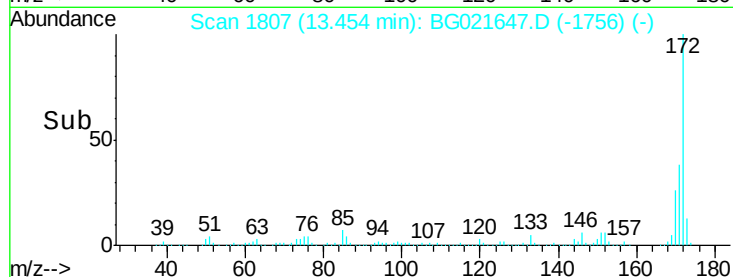
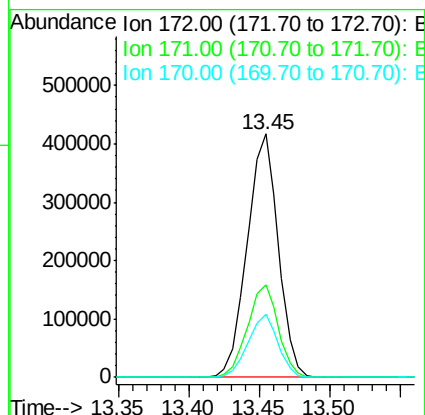
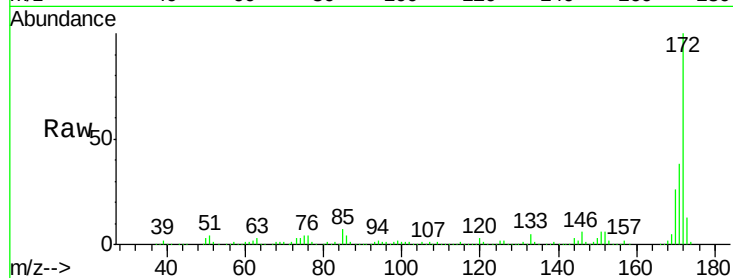




#44
 2-Fluorobiphenyl
 Concen: 107.54 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

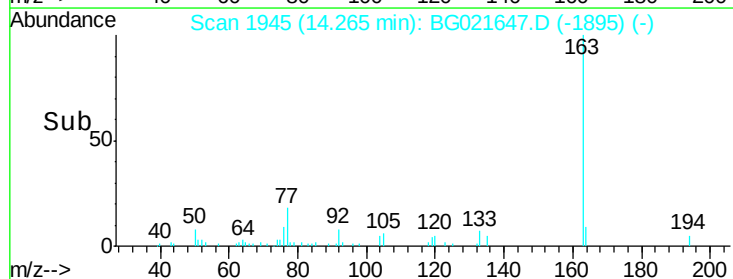
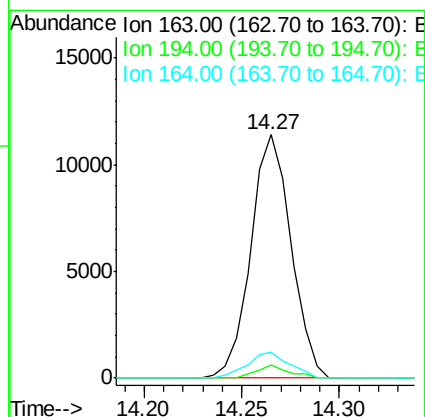
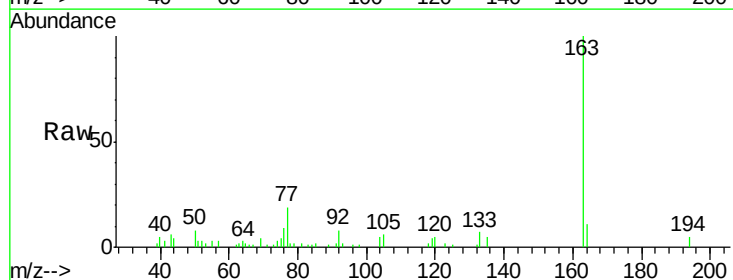
Instrument :
 BNA_G
 ClientSampled :
 GMW-11X

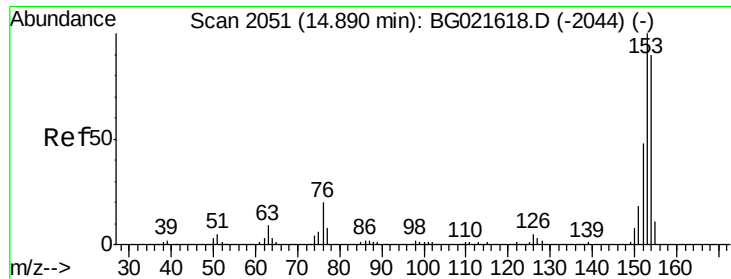
Tgt Ion:172 Resp: 642455
 Ion Ratio Lower Upper
 172 100
 171 38.2 27.8 41.6
 170 26.0 19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.15 ng
 RT: 14.27 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Tgt Ion:163 Resp: 16270
 Ion Ratio Lower Upper
 163 100
 194 5.4 3.0 4.6#
 164 10.8 8.1 12.1





#51

Acenaphthene

Concen: 2.10 ng

RT: 14.89 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

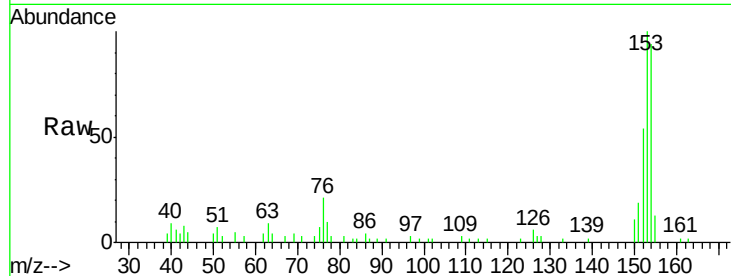
Tgt Ion:154 Resp: 12128

Ion Ratio Lower Upper

154 100

153 106.3 91.9 137.9

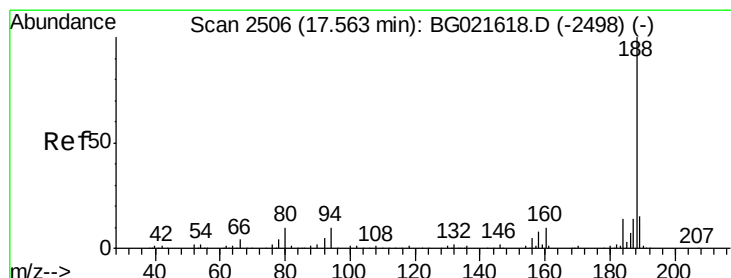
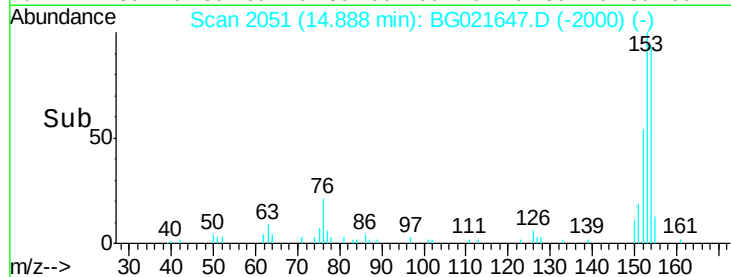
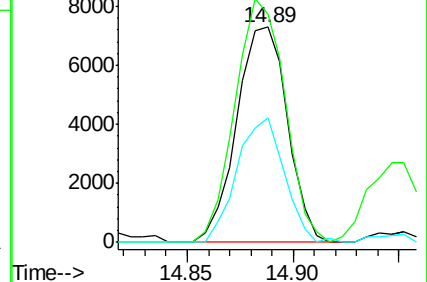
152 57.6 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

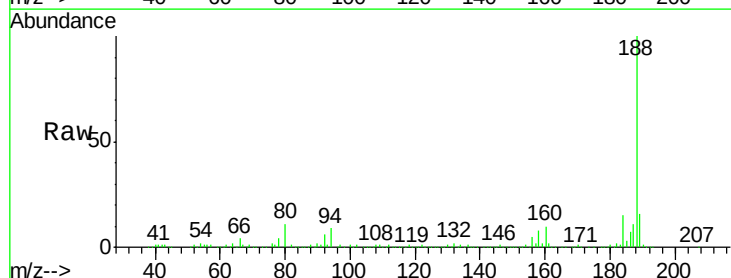
Tgt Ion:188 Resp: 205754

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

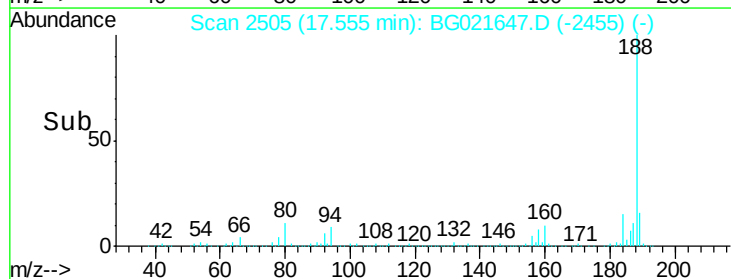
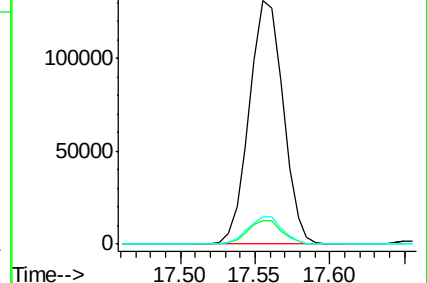
80 11.2 8.6 13.0

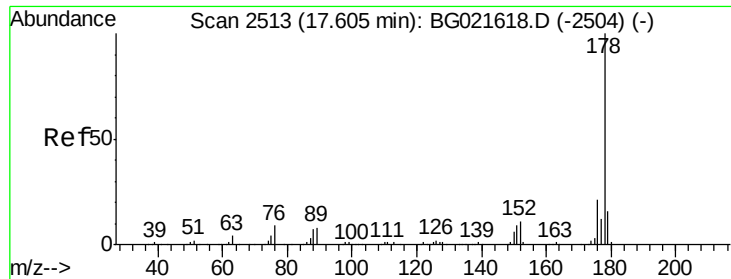


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 2.13 ng

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

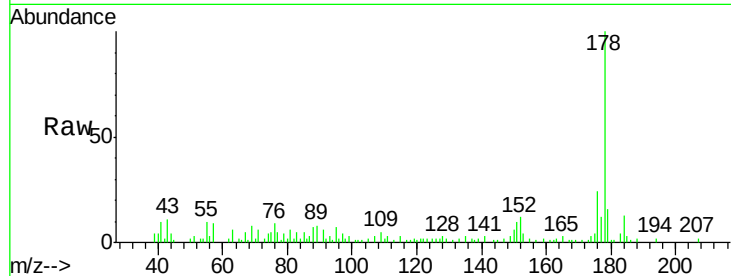
Tgt Ion:178 Resp: 24208

Ion Ratio Lower Upper

178 100

176 24.1 16.2 24.4

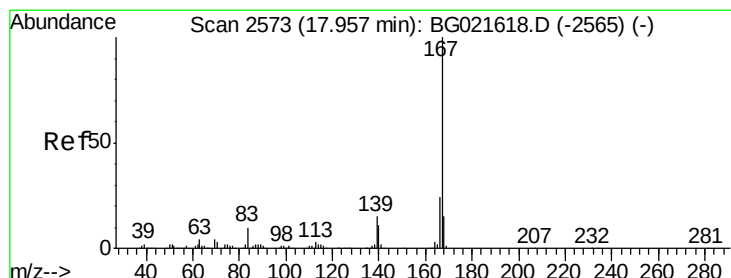
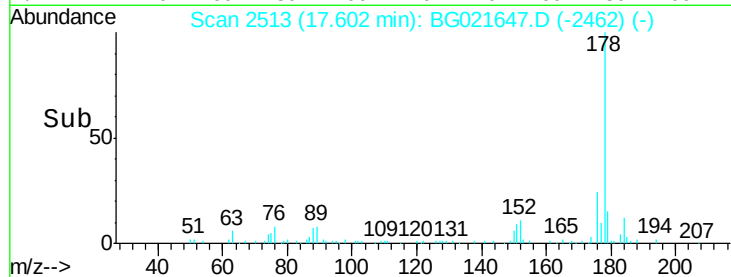
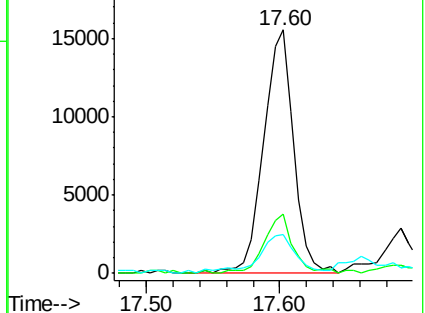
179 16.0 12.0 18.0



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: 3.48 ng

RT: 17.95 min Scan# 2573

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

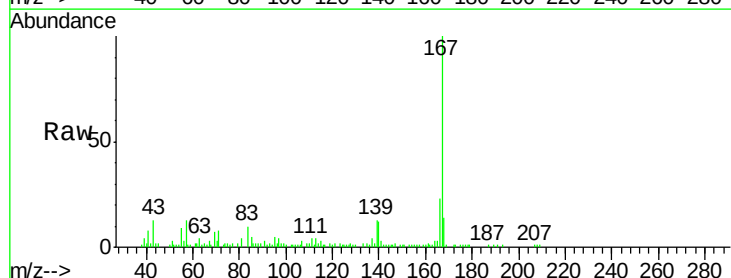
Tgt Ion:167 Resp: 37403

Ion Ratio Lower Upper

167 100

166 23.4 18.6 27.8

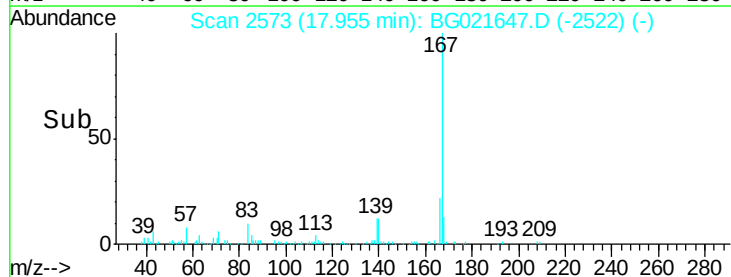
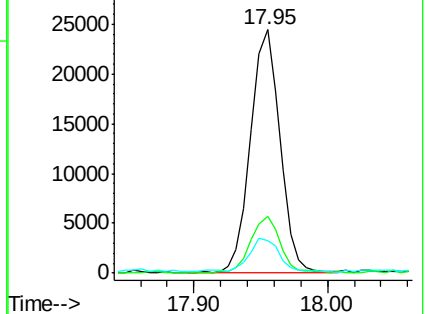
139 13.1 10.6 15.8

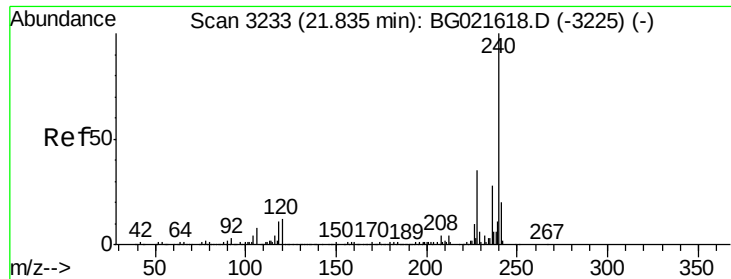


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

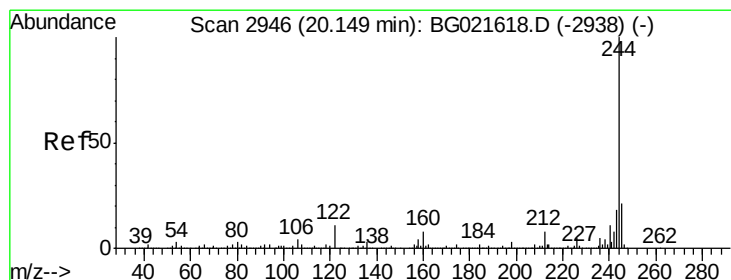
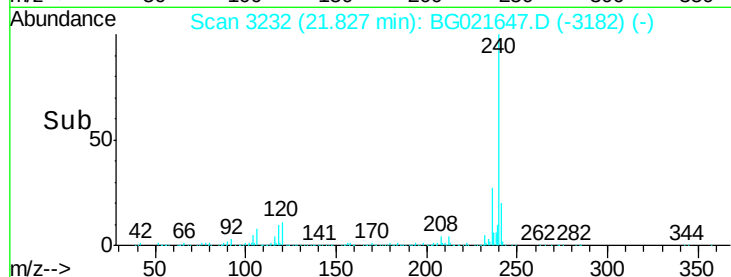
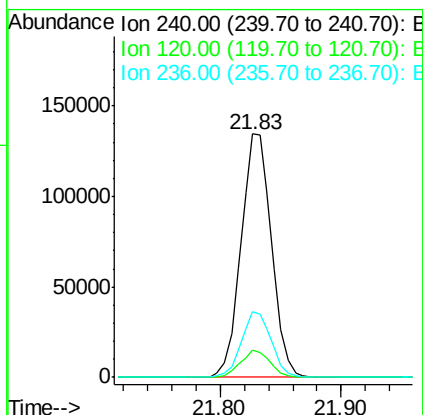
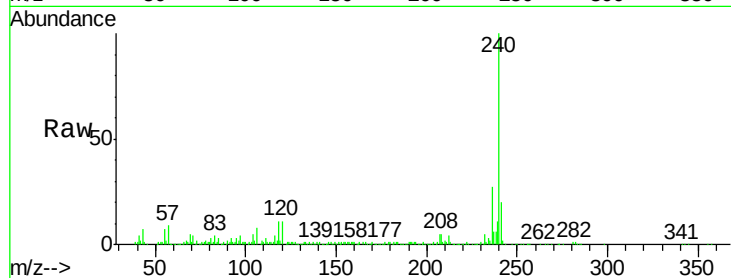




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.83 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

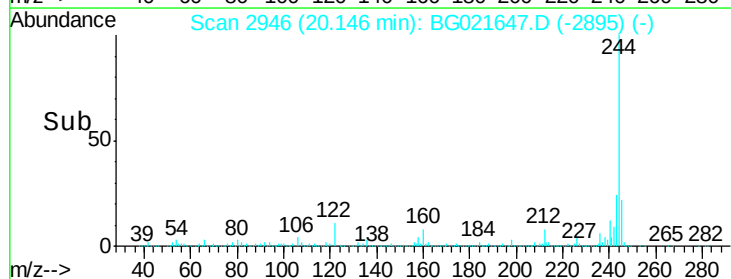
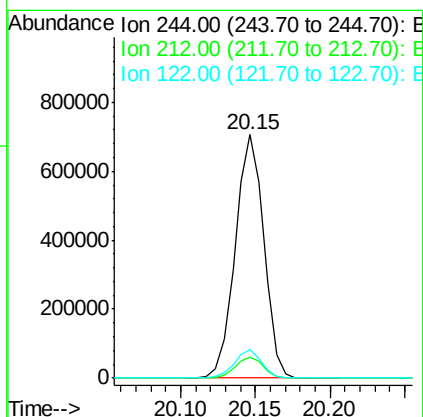
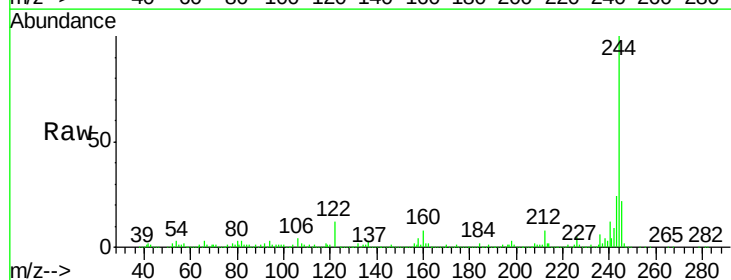
Instrument :
 BNA_G
 ClientSampleId :
 GMW-11X

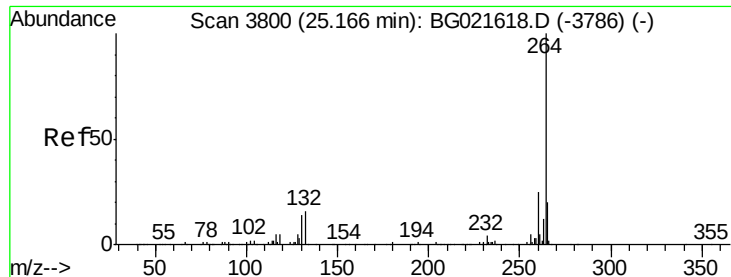
Tgt Ion:240 Resp: 235463
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.4 12.6
 236 26.8 19.6 29.4



#78
 Terphenyl-d14
 Concen: 99.51 ng
 RT: 20.15 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Tgt Ion:244 Resp: 939016
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 11.5 8.6 12.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3800
Delta R.T. -0.00 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Instrument :
BNA_G
ClientSampleId :
GMW-11X

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.2	30.4
265	21.2	17.8	26.8

