

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\
 Data File : BG021711.D
 Acq On : 16 Apr 2016 10:45
 Operator : UM/SJ
 Sample : H2558-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-20-6-6.5

Quant Time: Apr 18 02:13:55 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

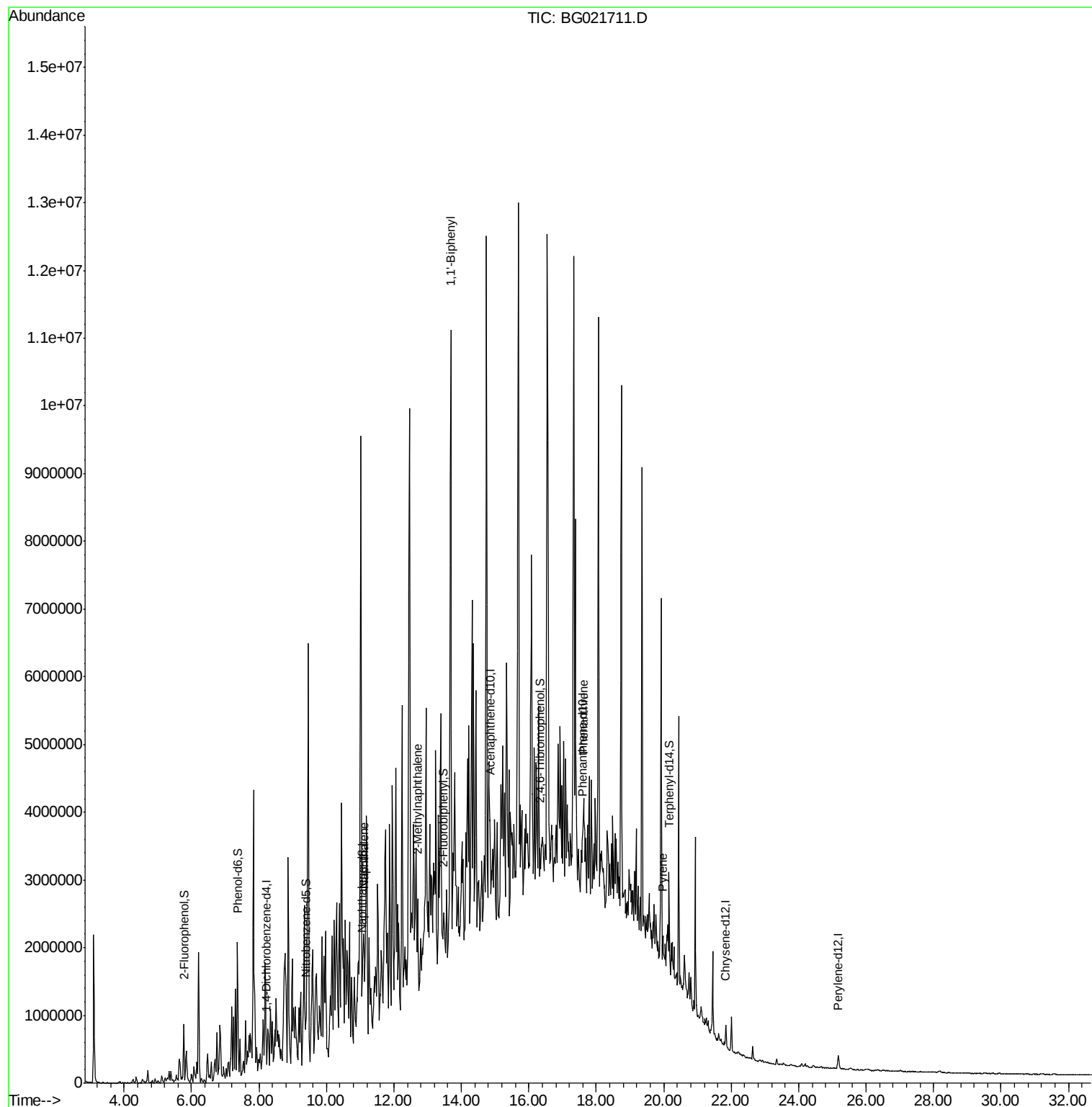
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	30884	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	125534	20.00	ng	0.02
38) Acenaphthene-d10	14.85	164	93126	20.00	ng	0.02
63) Phenanthrene-d10	17.59	188	163704	20.00	ng	0.02
75) Chrysene-d12	21.84	240	189330	20.00	ng	0.00
86) Perylene-d12	25.18	264	191627	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	201665	108.74	ng	0.01
7) Phenol-d6	7.37	99	278352	100.48	ng	0.02
23) Nitrobenzene-d5	9.39	82	260795	106.78	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	105458	105.07	ng	0.02
44) 2-Fluorobiphenyl	13.47	172	392561	61.76	ng	0.02
78) Terphenyl-d14	20.16	244	545592	71.90	ng	0.01
Target Compounds						
31) Naphthalene	11.10	128	334573	49.80	ng	# 76
37) 2-Methylnaphthalene	12.70	142	595283	129.07	ng	# 94
45) 1,1'-Biphenyl	13.68	154	207766	26.48	ng	# 99
70) Phenanthrene	17.63	178	72908	8.08	ng	# 73
77) Pyrene	19.97	202	102416	9.38	ng	# 90

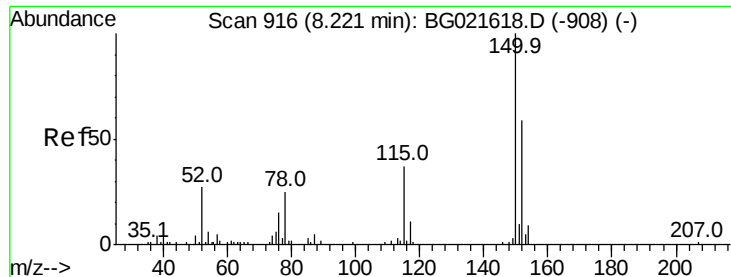
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :

BNA_G

ClientSampleId :

SB-20-6-6.5

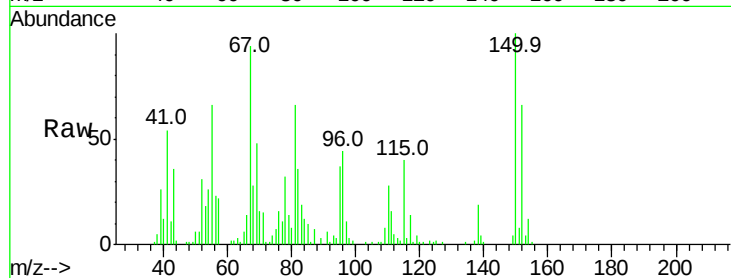
Tot Ion:152 Resp: 30884

Ion Ratio Lower Upper

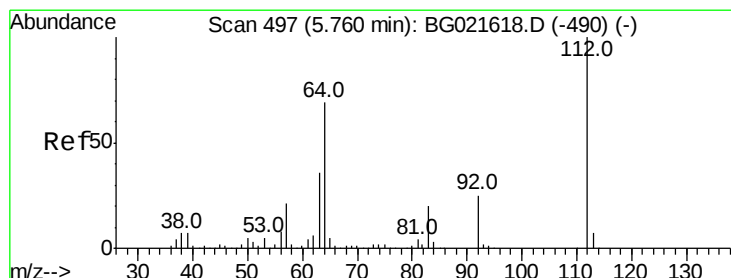
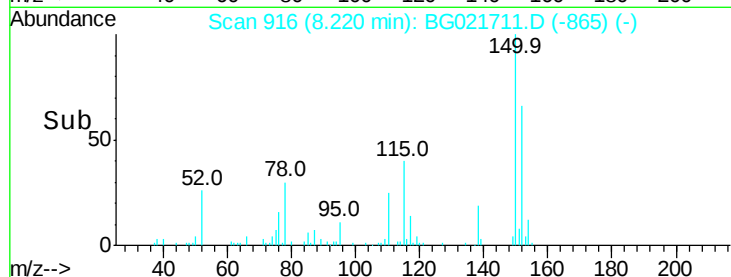
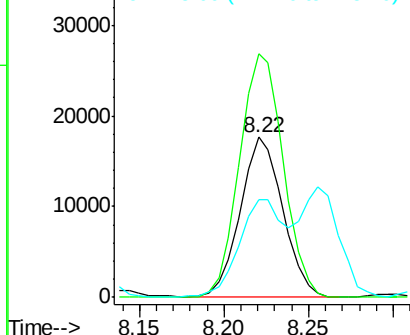
152 100

150 152.3 130.1 195.1

115 61.2 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: 108.74 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

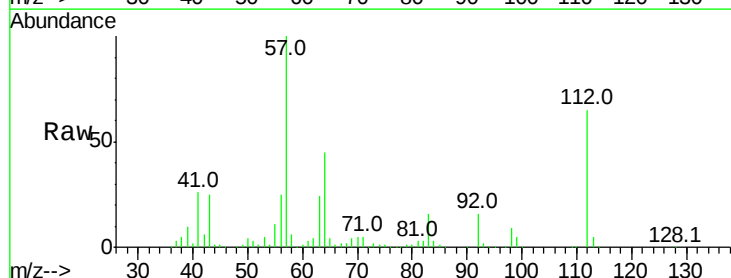
Tgt Ion:112 Resp: 201665

Ion Ratio Lower Upper

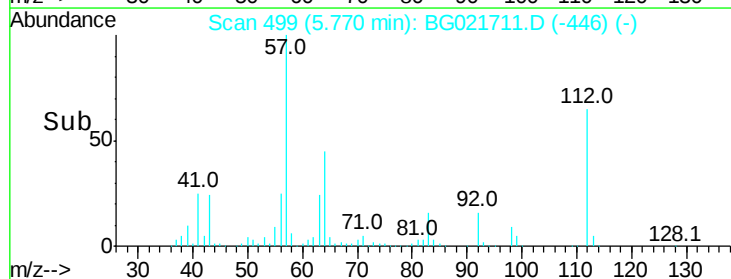
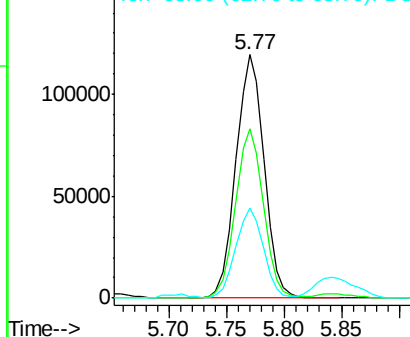
112 100

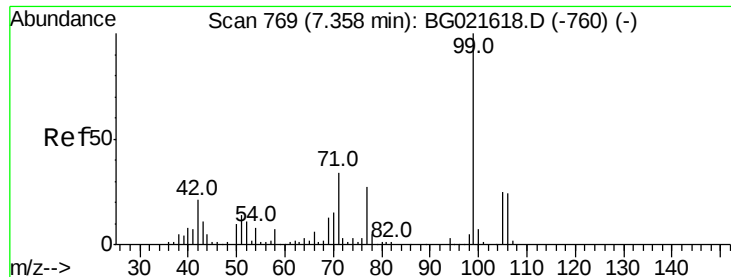
64 69.6 51.1 76.7

63 36.7 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: 100.48 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :

BNA_G

ClientSampleId :

SB-20-6-6.5

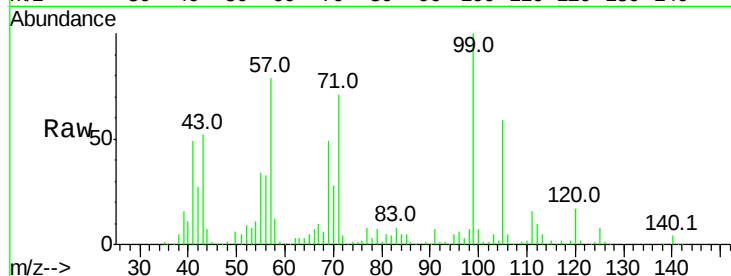
Tot Ion: 99 Resp: 278352

Ion Ratio Lower Upper

99 100

42 27.5 16.4 24.6#

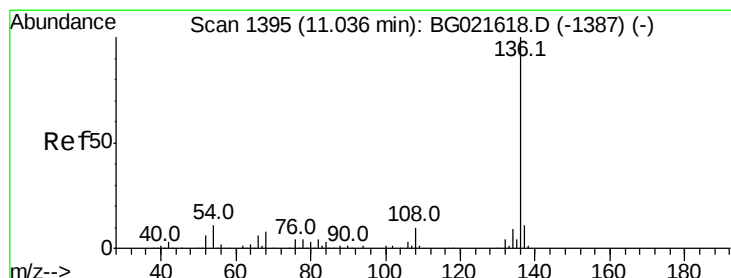
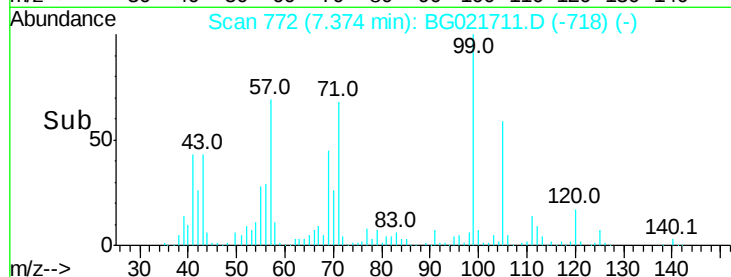
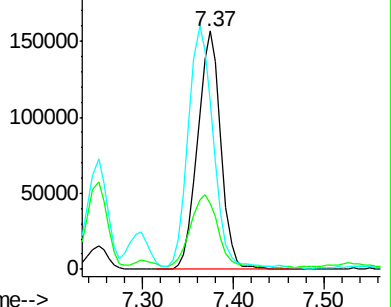
71 70.7 25.0 37.4#



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: 11.05 min Scan# 1398

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Tgt Ion:136 Resp: 125534

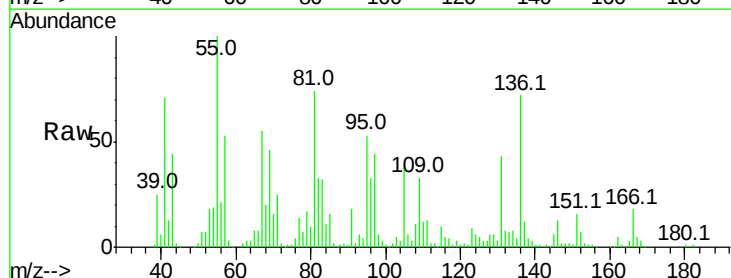
Ion Ratio Lower Upper

136 100

137 16.7 9.0 13.4#

54 26.2 9.6 14.4#

68 27.0 6.4 9.6#

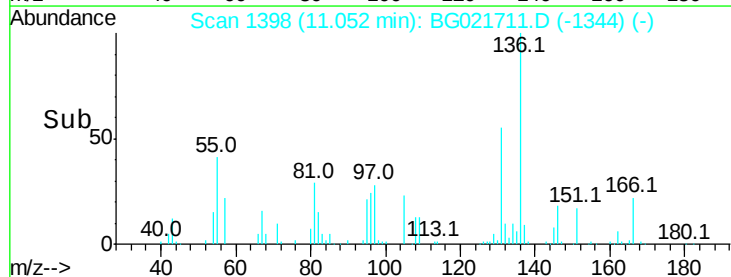
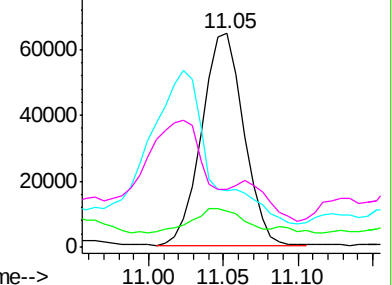


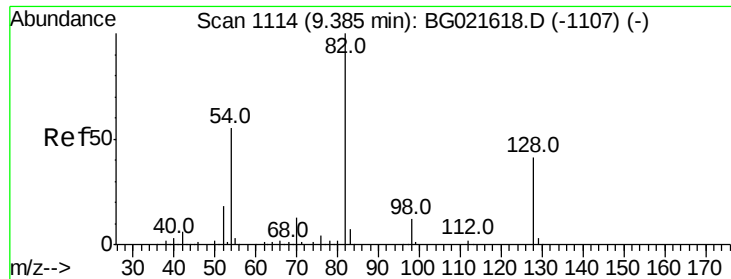
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

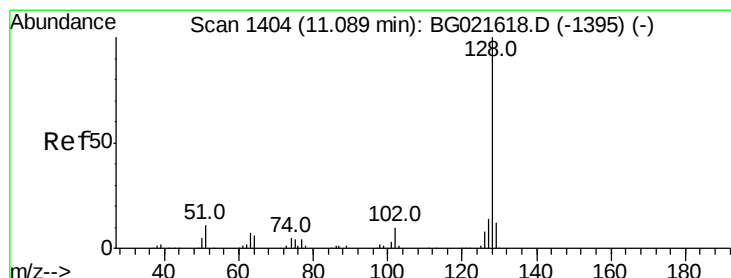
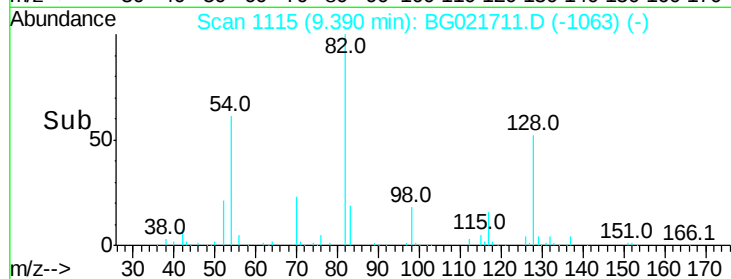
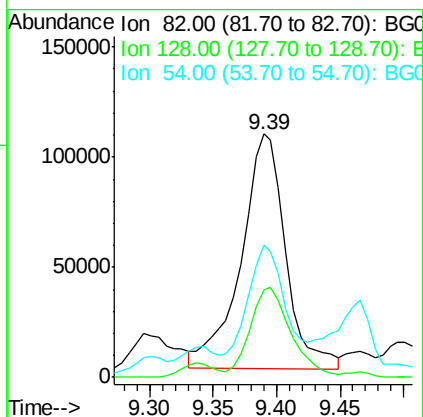
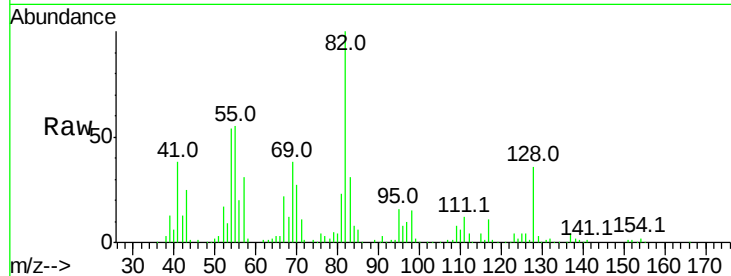




#23
Nitrobenzene-d5
Concen: 106.78 ng
RT: 9.39 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BG021711.D
Acq: 16 Apr 2016 10:45

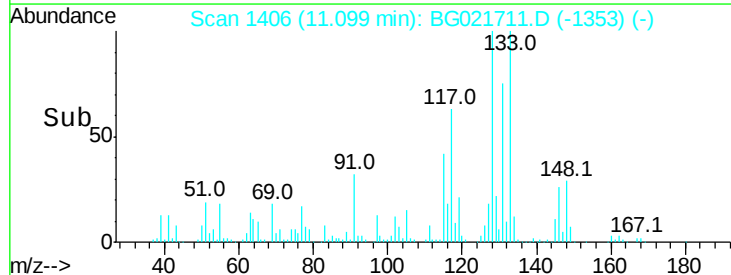
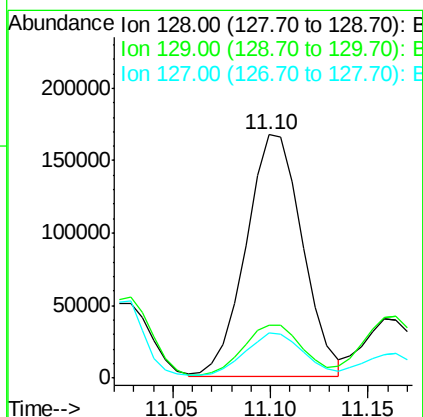
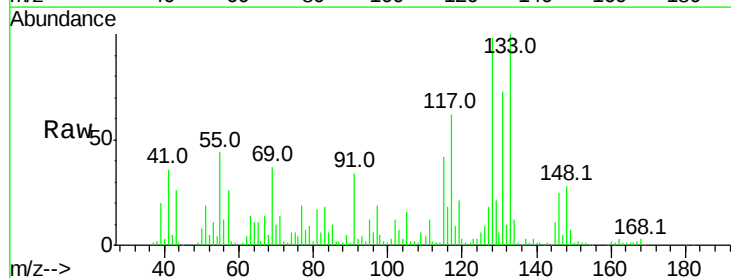
Instrument :
BNA_G
ClientSampleId :
SB-20-6-6.5

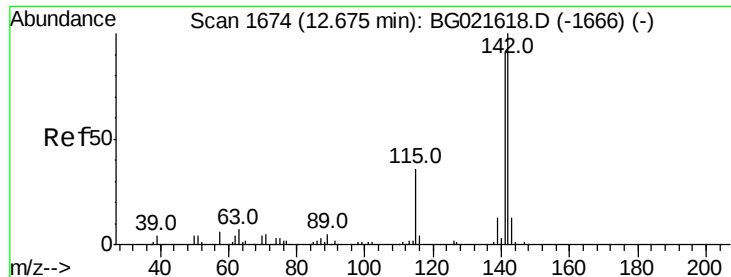
Tot Ion: 82 Resp: 260795
Ion Ratio Lower Upper
82 100
128 35.9 33.4 50.0
54 54.2 46.1 69.1



#31
Naphthalene
Concen: 49.80 ng
RT: 11.10 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BG021711.D
Acq: 16 Apr 2016 10:45

Tgt Ion:128 Resp: 334573
Ion Ratio Lower Upper
128 100
129 21.9 7.0 10.6#
127 18.7 10.1 15.1#





#37

2-Methylnaphthalene

Concen: 129.07 ng

RT: 12.70 min Scan# 1678

Delta R.T. 0.02 min

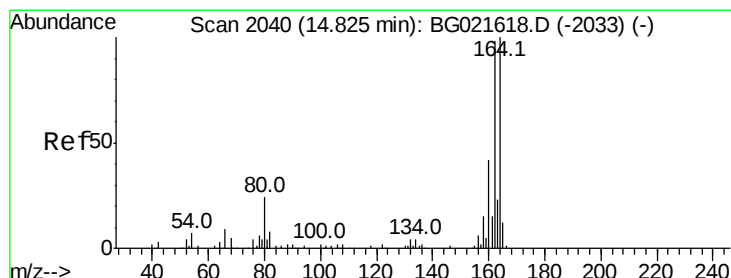
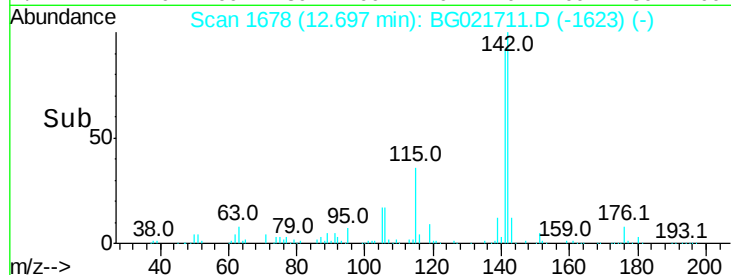
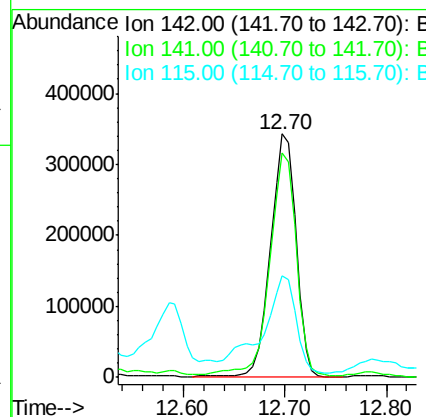
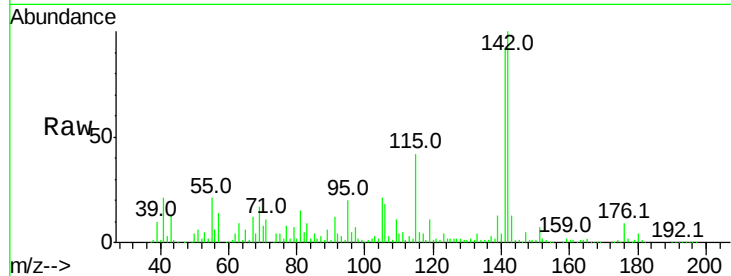
Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :
BNA_G
ClientSampleId :
SB-20-6-6.5

Tot Ion:142 Resp: 595283

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.4	107.0
115	41.9	27.4	41.2#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.85 min Scan# 2044

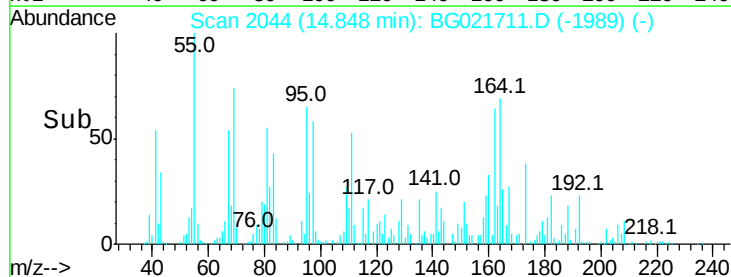
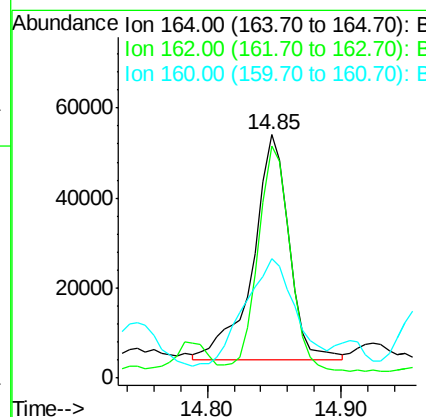
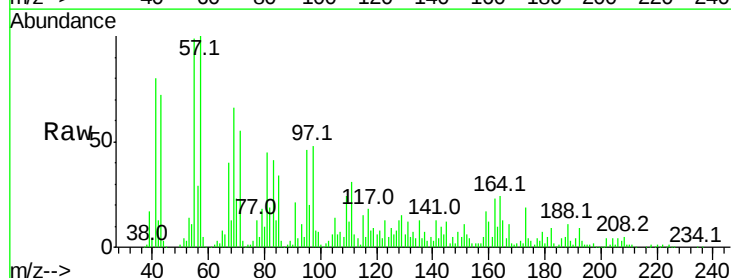
Delta R.T. 0.02 min

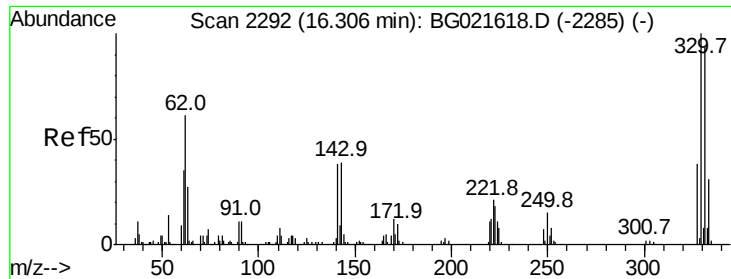
Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Tgt Ion:164 Resp: 93126

Ion	Ratio	Lower	Upper
164	100		
162	95.4	78.0	117.0
160	49.2	32.9	49.3





#41

2,4,6-Tribromophenol

Concen: 105.07 ng

RT: 16.33 min Scan# 2296

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :

BNA_G

ClientSampleId :

SB-20-6-6.5

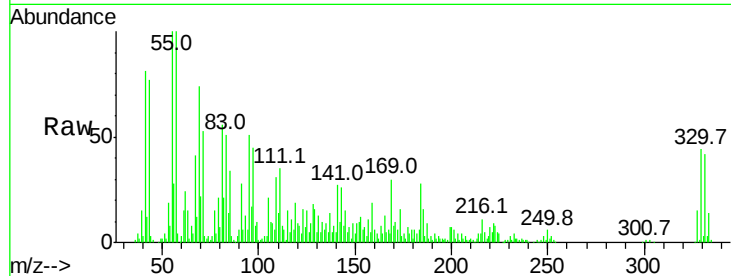
Tot Ion:330 Resp: 105458

Ion Ratio Lower Upper

330 100

332 98.5 78.0 117.0

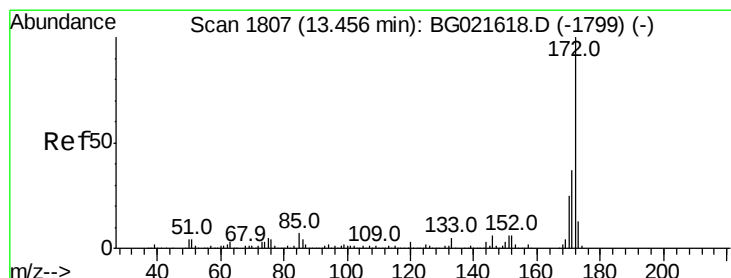
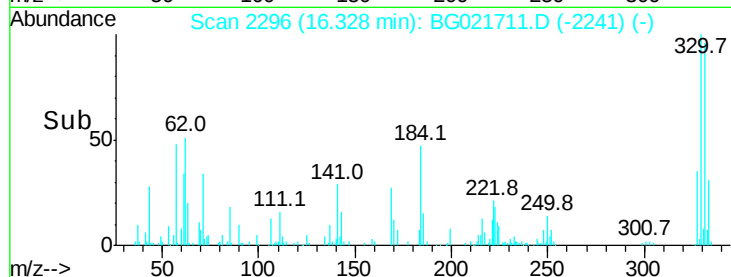
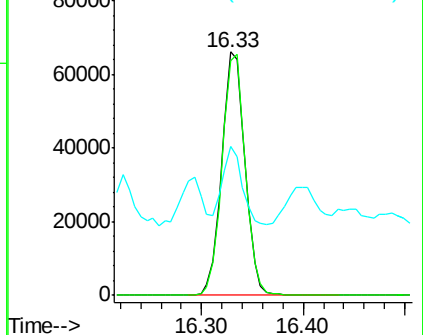
141 26.3 33.8 50.8#



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: 61.76 ng

RT: 13.47 min Scan# 1810

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

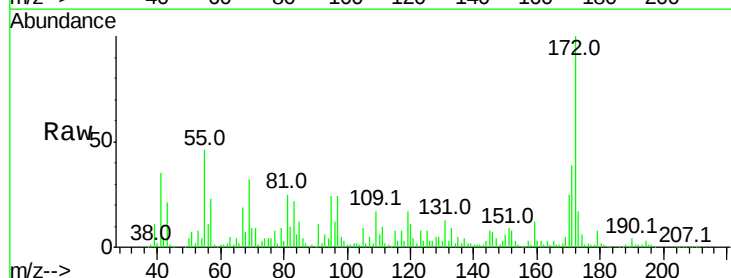
Tgt Ion:172 Resp: 392561

Ion Ratio Lower Upper

172 100

171 38.7 27.8 41.6

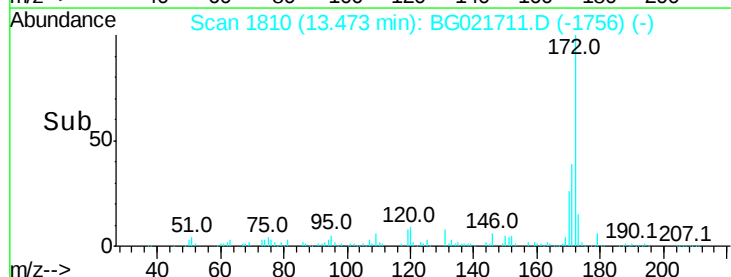
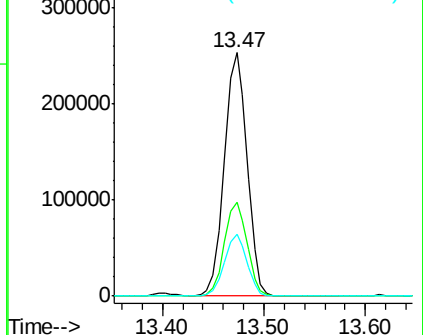
170 25.4 19.6 29.4

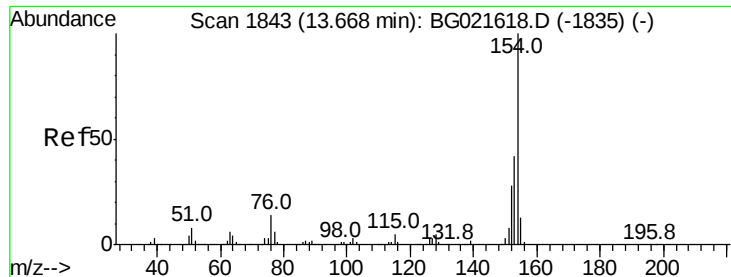


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 26.48 ng

RT: 13.68 min Scan# 1846

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :

BNA_G

ClientSampleId :

SB-20-6-6.5

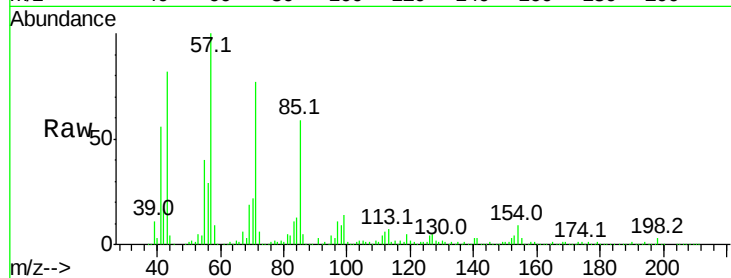
Tot Ion:154 Resp: 207766

Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

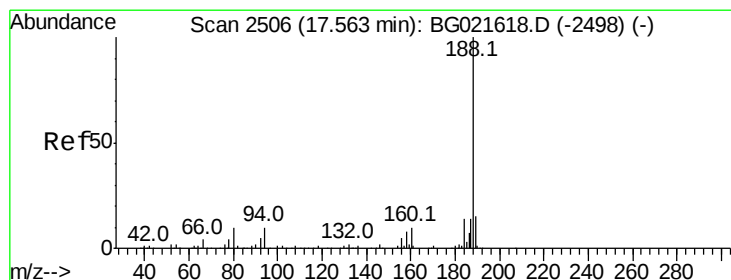
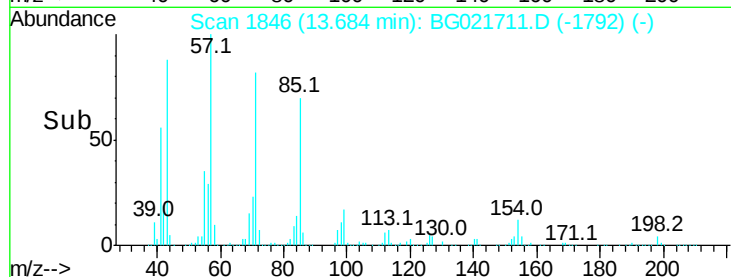
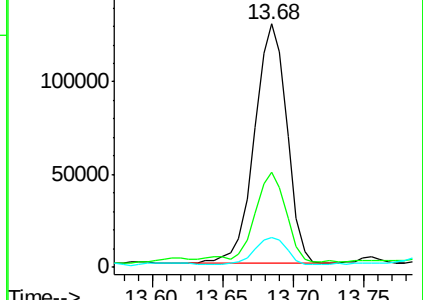
76 12.1 0.0 33.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.59 min Scan# 2510

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

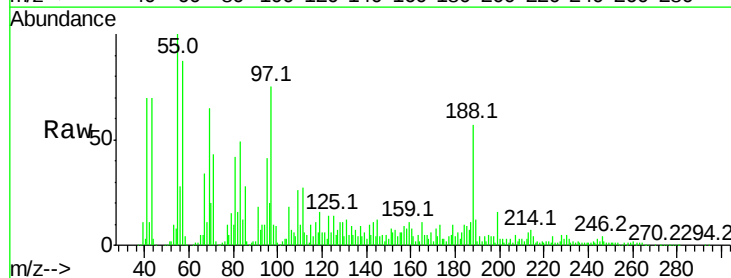
Tgt Ion:188 Resp: 163704

Ion Ratio Lower Upper

188 100

94 17.4 7.5 11.3#

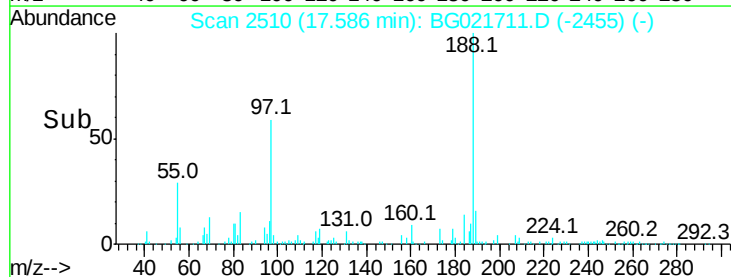
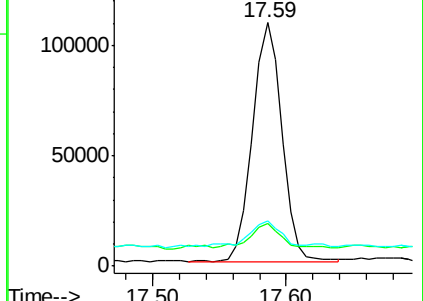
80 18.5 8.6 13.0#

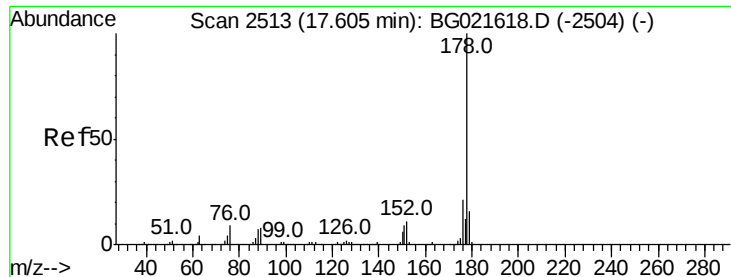


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 8.08 ng

RT: 17.63 min Scan# 2517

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :

BNA_G

ClientSampleId :

SB-20-6-6.5

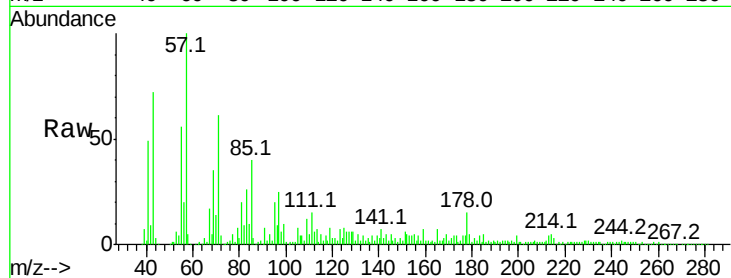
Tot Ion:178 Resp: 72908

Ion Ratio Lower Upper

178 100

176 25.2 16.2 24.4#

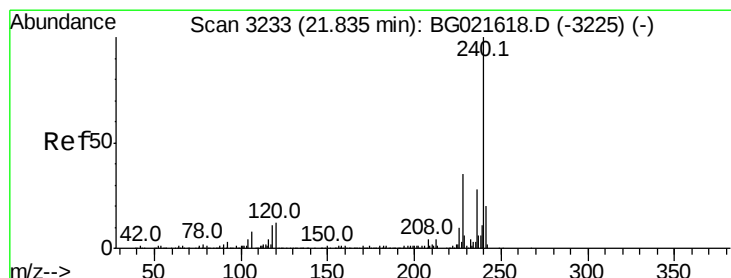
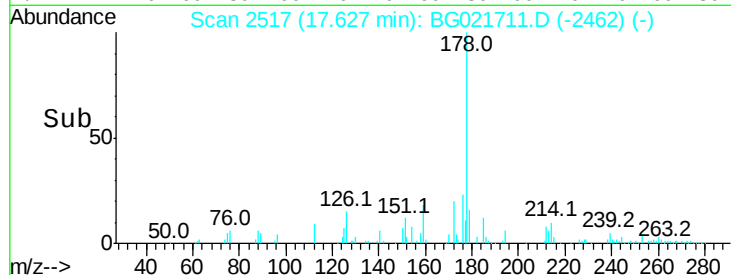
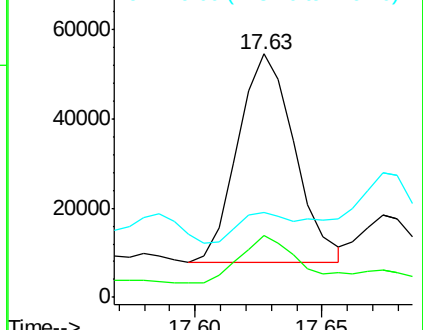
179 35.0 12.0 18.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. 0.00 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

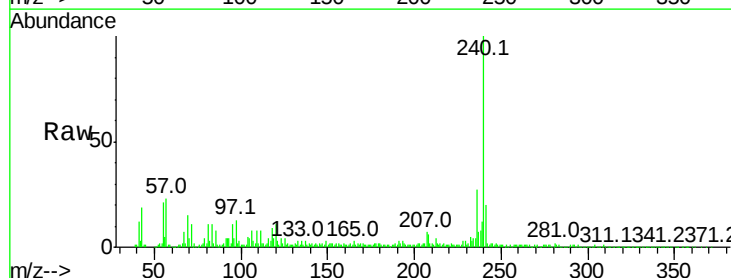
Tgt Ion:240 Resp: 189330

Ion Ratio Lower Upper

240 100

120 11.3 8.4 12.6

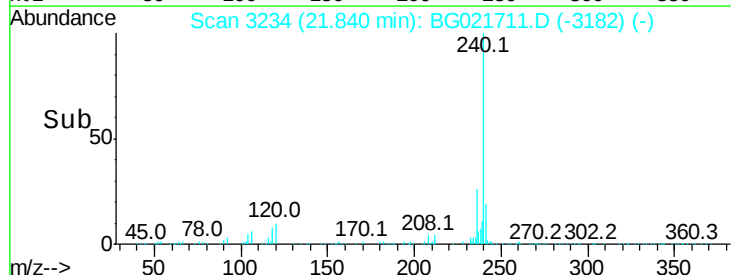
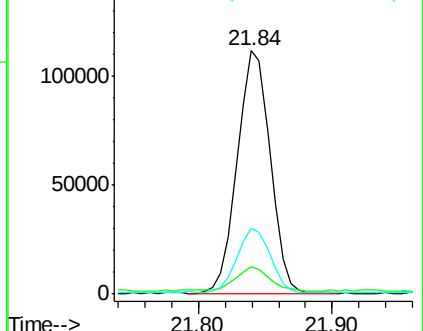
236 27.0 19.6 29.4

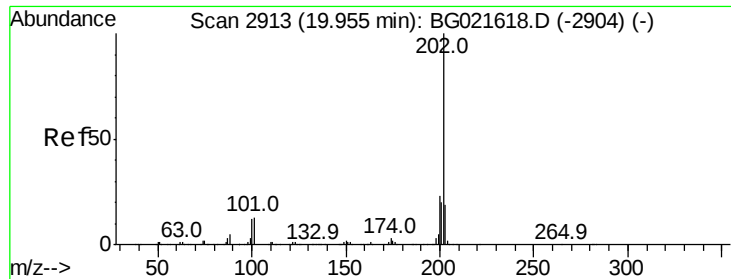


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.38 ng

RT: 19.97 min Scan# 2916

Delta R.T. 0.02 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

Instrument :

BNA_G

ClientSampleId :

SB-20-6-6.5

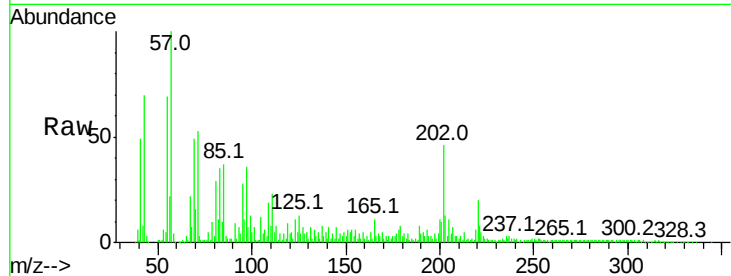
Tot Ion:202 Resp: 102416

Ion Ratio Lower Upper

202 100

200 22.7 18.2 27.2

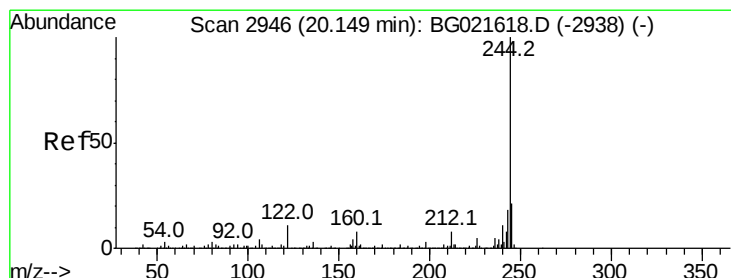
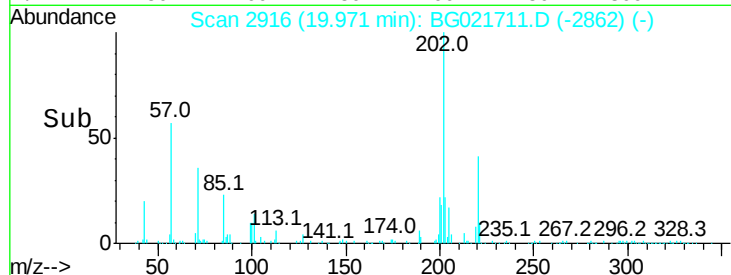
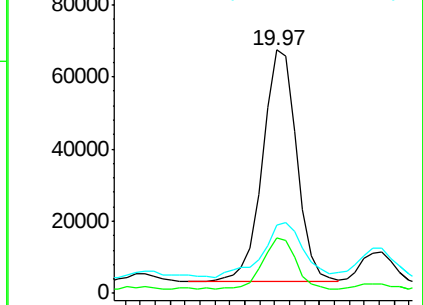
203 28.2 15.0 22.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.90 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG021711.D

Acq: 16 Apr 2016 10:45

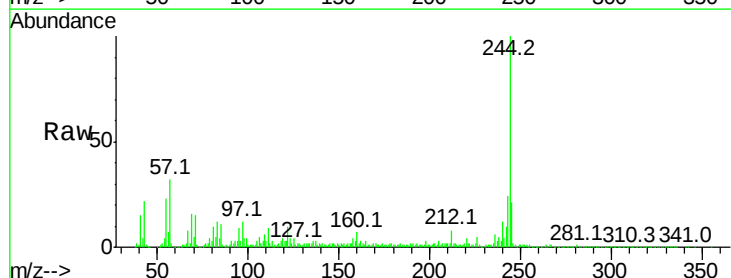
Tgt Ion:244 Resp: 545592

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

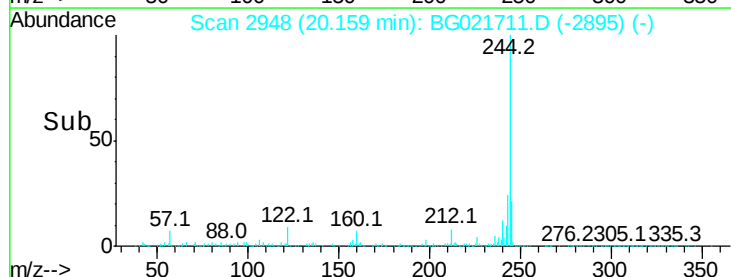
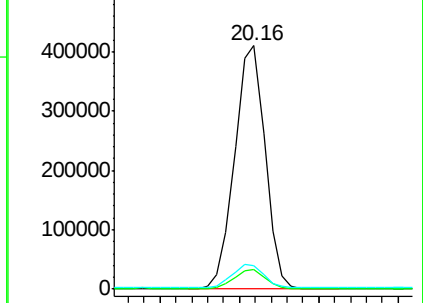
122 9.7 8.6 12.8

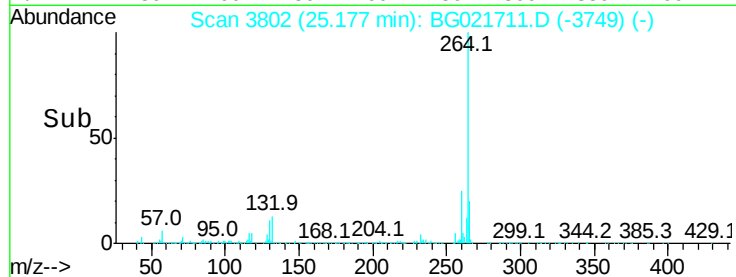
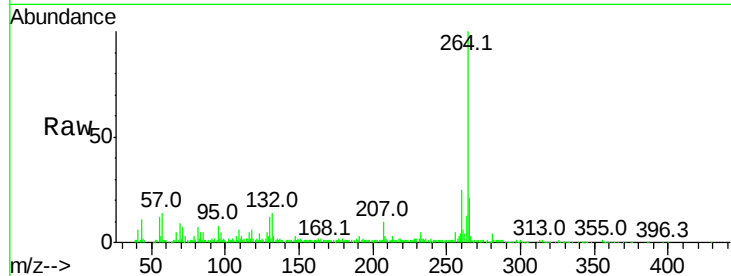
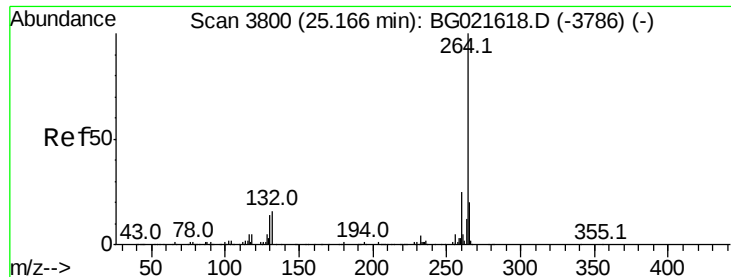


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.18 min Scan# 3802
Delta R.T. 0.01 min
Lab File: BG021711.D
Acq: 16 Apr 2016 10:45

Instrument :
BNA_G
ClientSampleId :
SB-20-6-6.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.2	30.4
265	21.1	17.8	26.8

