

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
 Data File : BG021001.D
 Acq On : 20 Feb 2016 10:00
 Operator : SJ/UM
 Sample : H1520-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 40055+15(0-2)

Quant Time: Feb 21 22:51:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

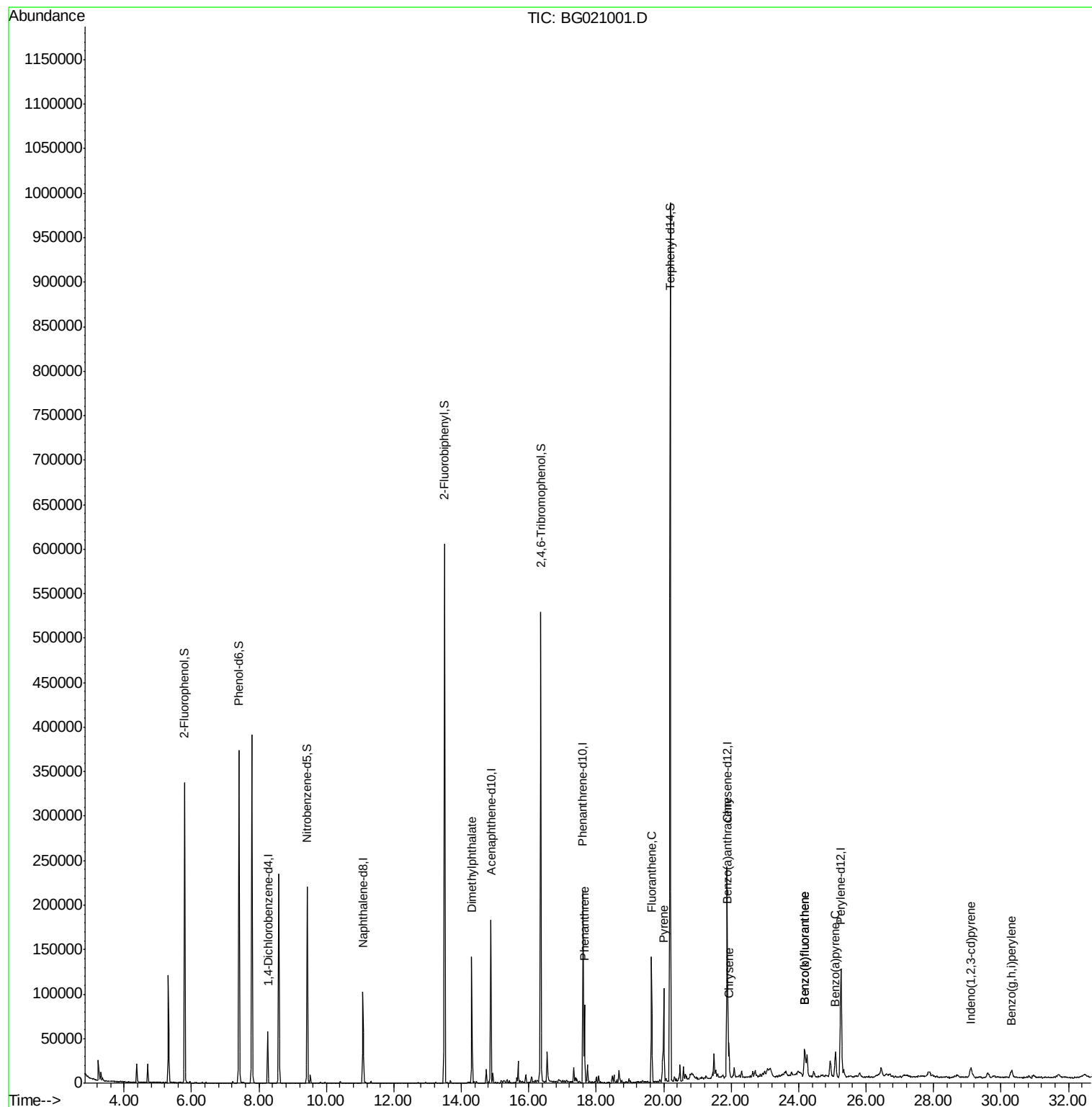
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	18604	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	97413	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	65485	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	134978	20.00	ng	-0.01
75) Chrysene-d12	21.89	240	126589	20.00	ng	-0.02
86) Perylene-d12	25.25	264	119833	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	191188	173.06	ng	0.00
7) Phenol-d6	7.41	99	279733	173.25	ng	0.00
23) Nitrobenzene-d5	9.43	82	150514	101.59	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	105056	163.14	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	322198	69.11	ng	-0.01
78) Terphenyl-d14	20.19	244	425535	78.42	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.32	163	107005	20.90	ng	99
70) Phenanthrene	17.65	178	55261	7.19	ng	98
74) Fluoranthene	19.64	202	85542	10.30	ng	99
77) Pyrene	20.00	202	68265	8.18	ng	99
80) Benzo(a)anthracene	21.86	228	37069	4.91	ng	99
82) Chrysene	21.93	228	29451	4.14	ng	100
85) Indeno(1,2,3-cd)pyrene	29.09	276	18759	2.30	ng	# 87
87) Benzo(b)fluoranthene	24.17	252	38502	5.25	ng	98
88) Benzo(k)fluoranthene	24.17	252	38502	5.36	ng	98
89) Benzo(a)pyrene	25.09	252	29124	4.17	ng	99
91) Benzo(g,h,i)perylene	30.31	276	16641	2.47	ng	98

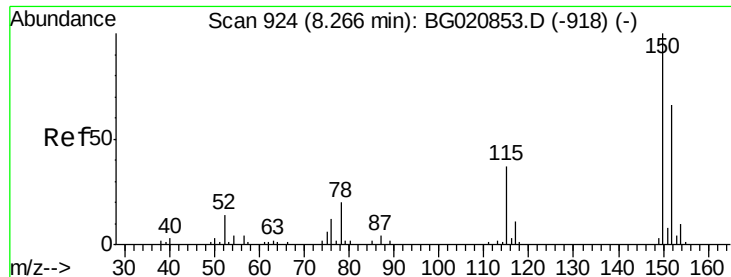
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

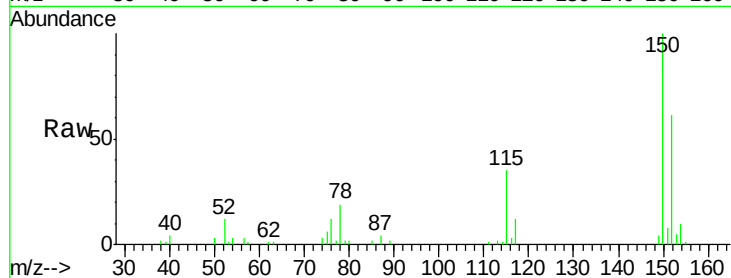
Tgt Ion:152 Resp: 18604

Ion Ratio Lower Upper

152 100

150 162.7 122.0 183.0

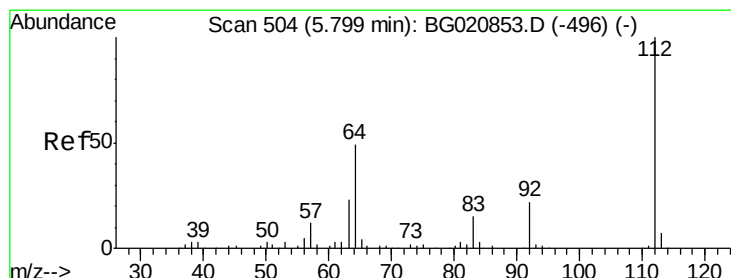
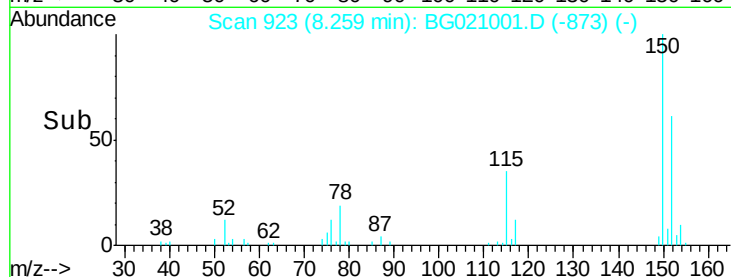
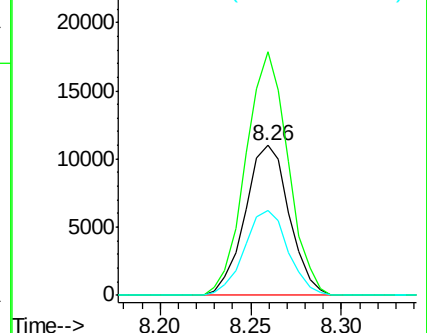
115 57.0 45.2 67.8



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: 173.06 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

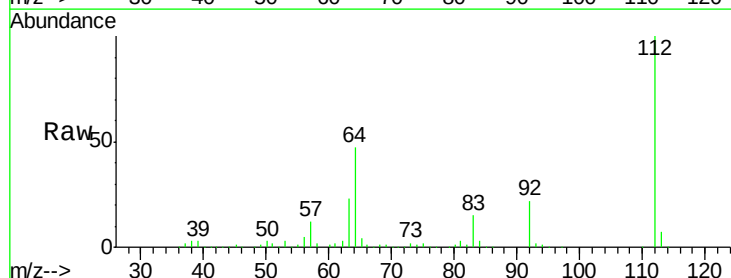
Tgt Ion:112 Resp: 191188

Ion Ratio Lower Upper

112 100

64 46.6 39.3 58.9

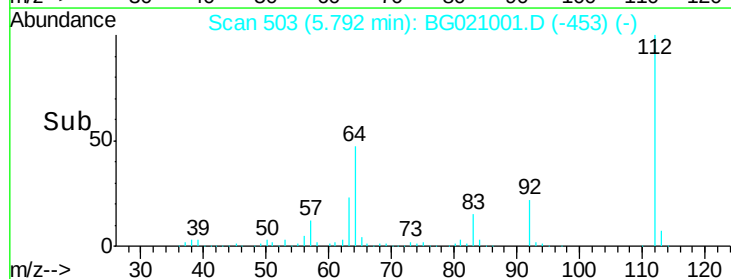
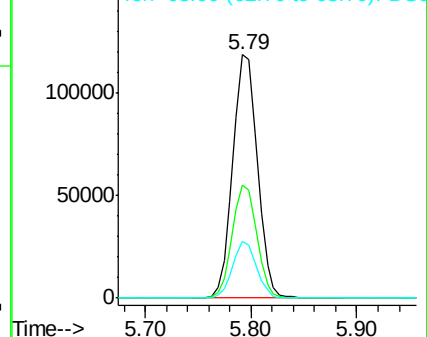
63 23.3 18.2 27.4

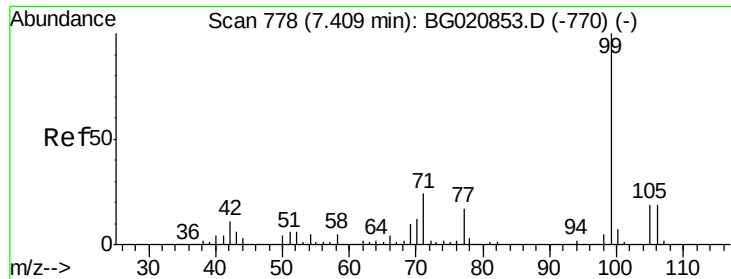


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 173.25 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

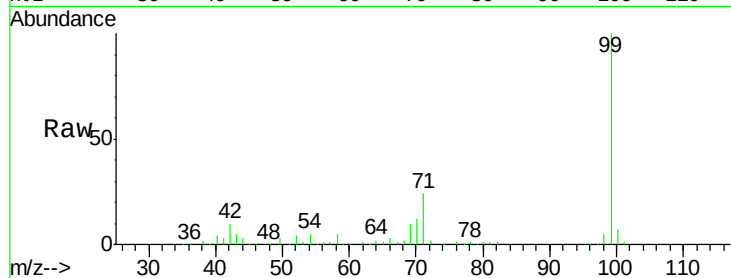
Tgt Ion: 99 Resp: 279733

Ion Ratio Lower Upper

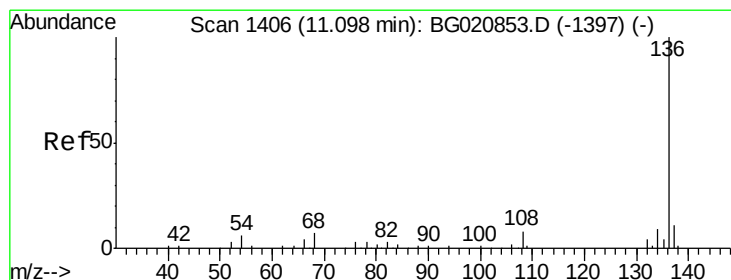
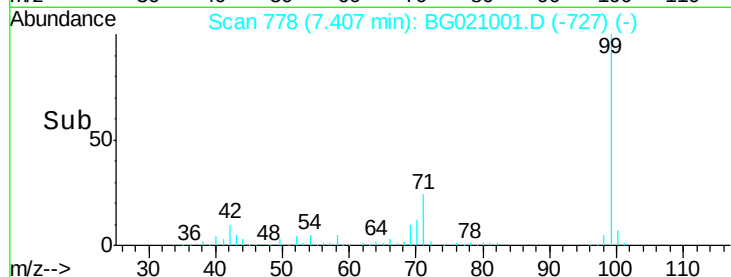
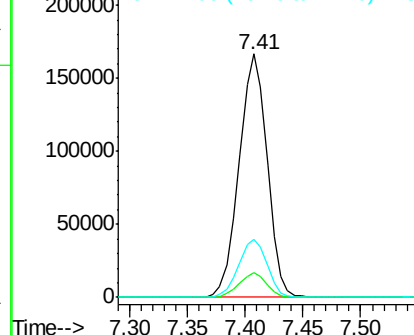
99 100

42 10.3 8.4 12.6

71 23.9 19.4 29.0



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: 11.08 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion: 136 Resp: 97413

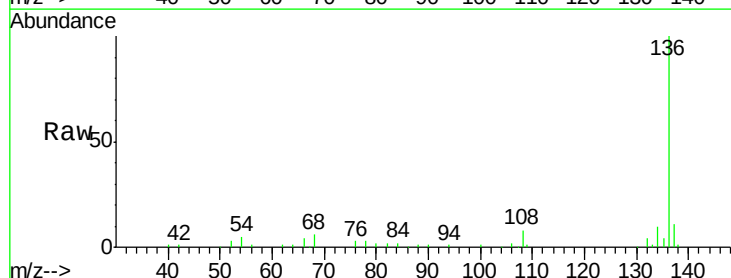
Ion Ratio Lower Upper

136 100

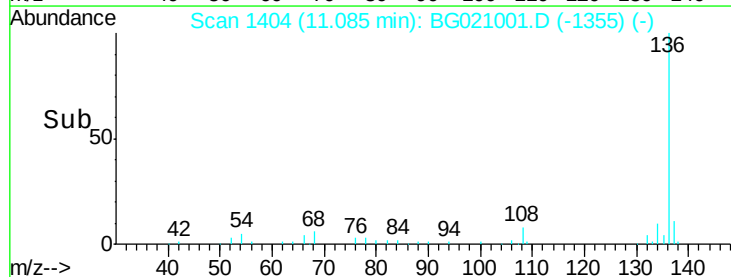
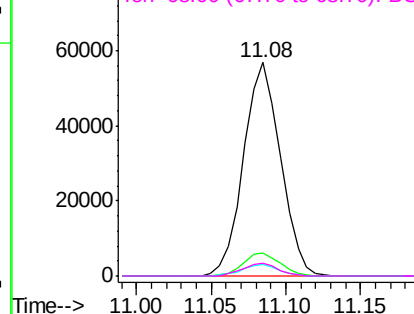
137 11.0 8.8 13.2

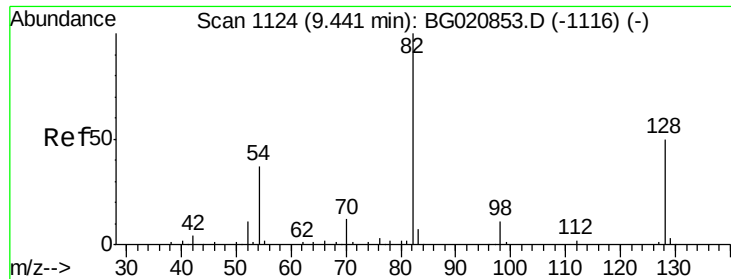
54 5.3 5.0 7.4

68 6.0 5.2 7.8



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

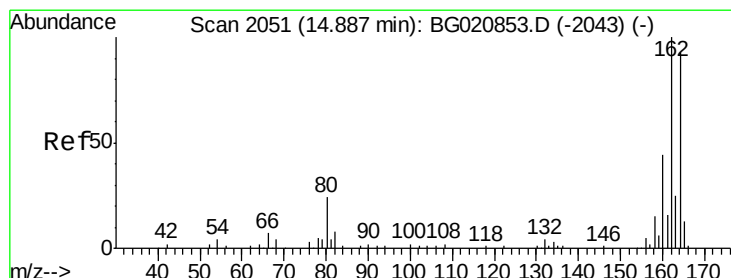
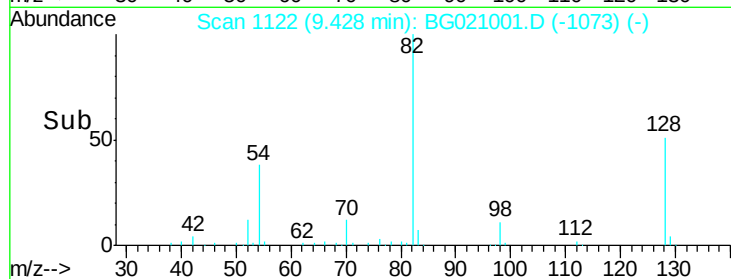
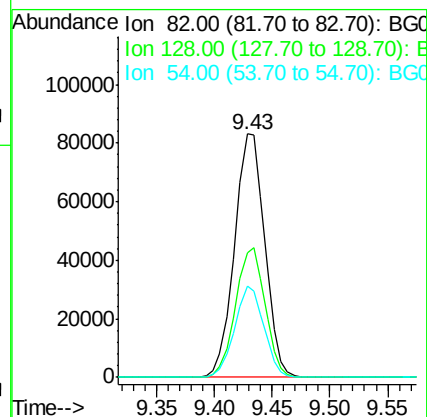
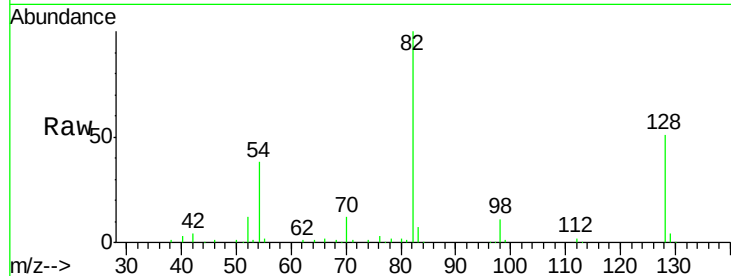




#23
 Nitrobenzene-d5
 Concen: 101.59 ng
 RT: 9.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

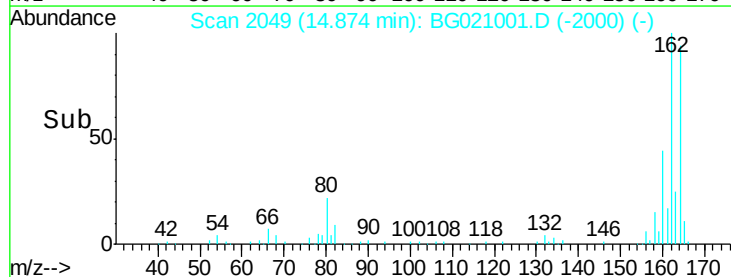
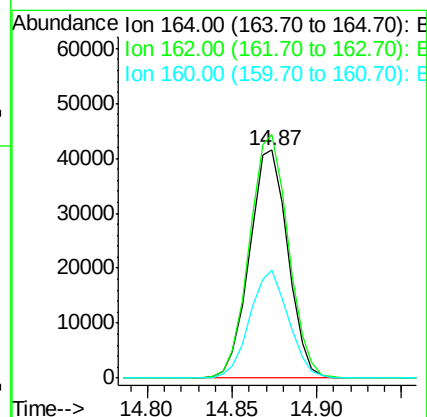
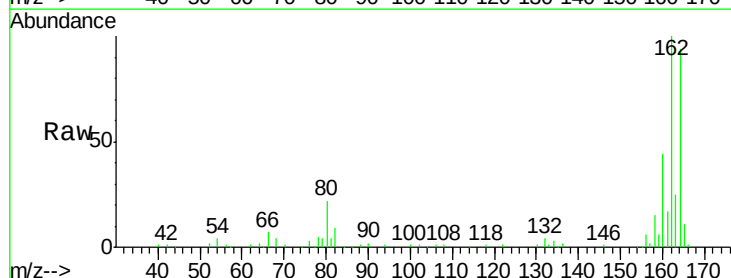
Instrument :
 BNA_G
 ClientSampleId :
 40055+15(0-2)

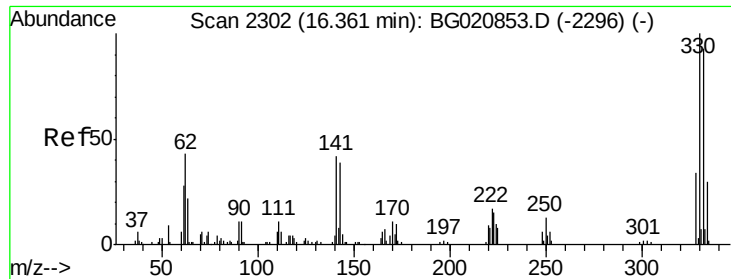
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.3	40.1	60.1
54	37.5	29.5	44.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	85.7	128.5
160	47.3	37.4	56.0





#41

2,4,6-Tribromophenol

Concen: 163.14 ng

RT: 16.35 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

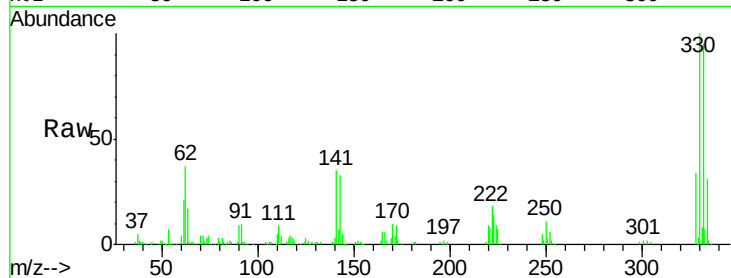
Tgt Ion:330 Resp: 105056

Ion Ratio Lower Upper

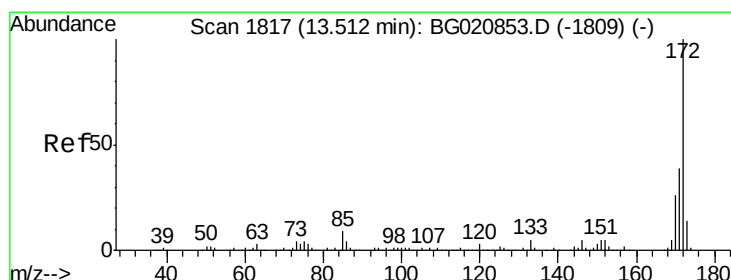
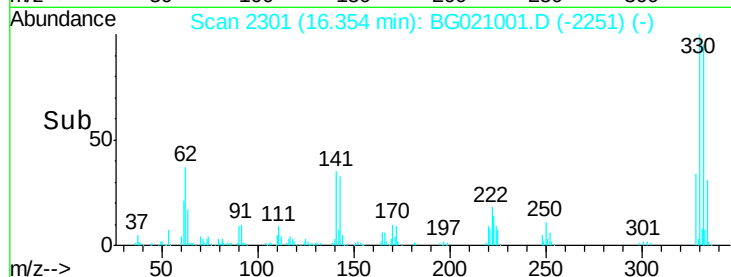
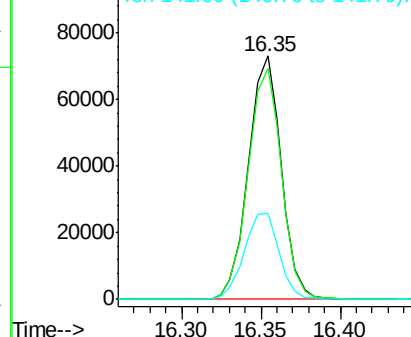
330 100

332 96.6 76.1 114.1

141 37.6 32.0 48.0



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: 69.11 ng

RT: 13.50 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

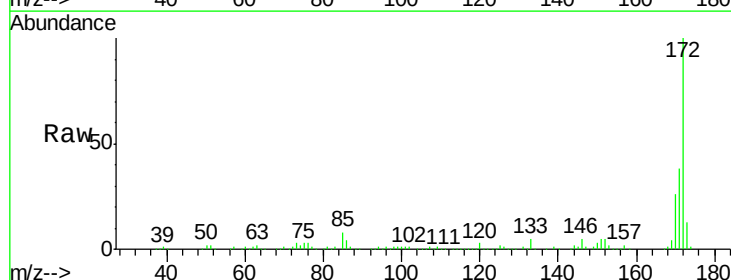
Tgt Ion:172 Resp: 322198

Ion Ratio Lower Upper

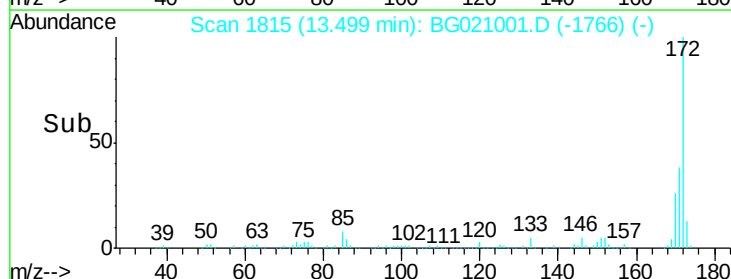
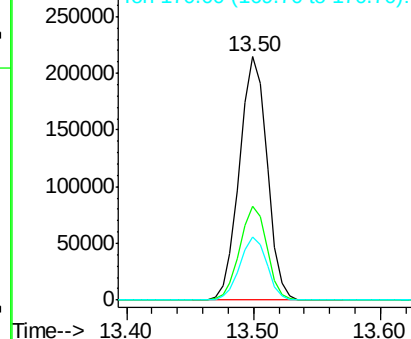
172 100

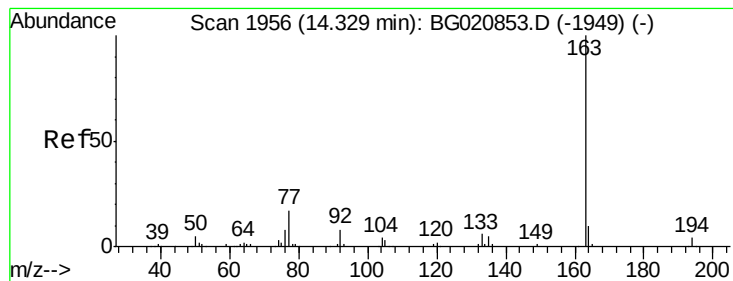
171 38.5 31.2 46.8

170 25.8 20.6 30.8



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





#49

Dimethylphthalate

Concen: 20.90 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

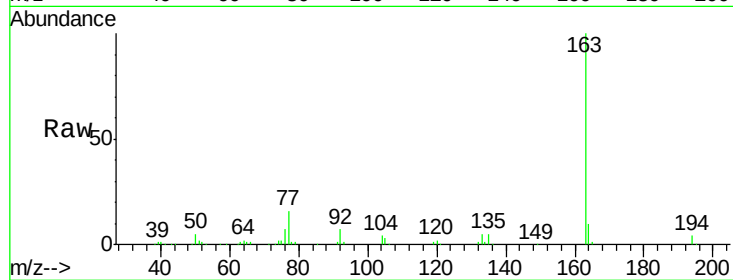
Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

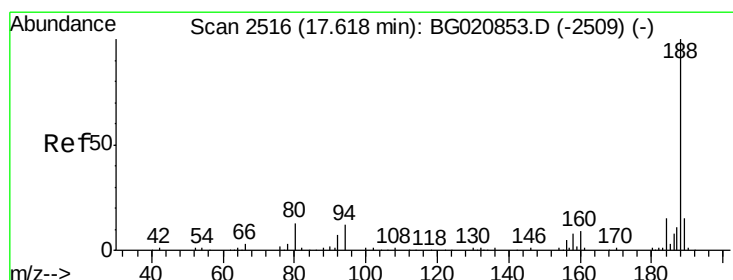
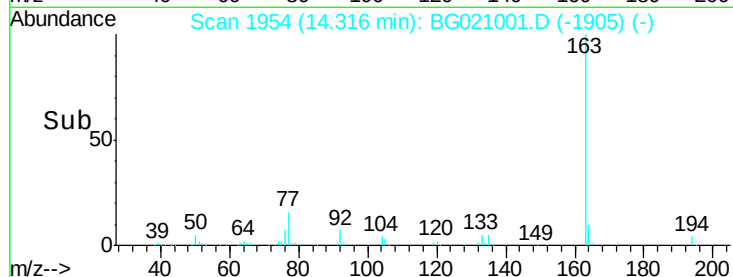
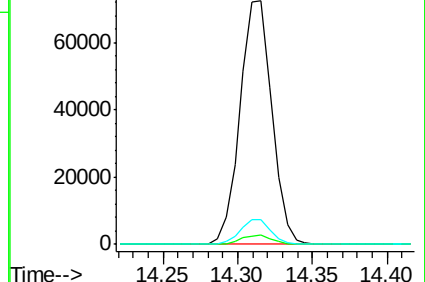
Tgt Ion:	163	Resp:	107005
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

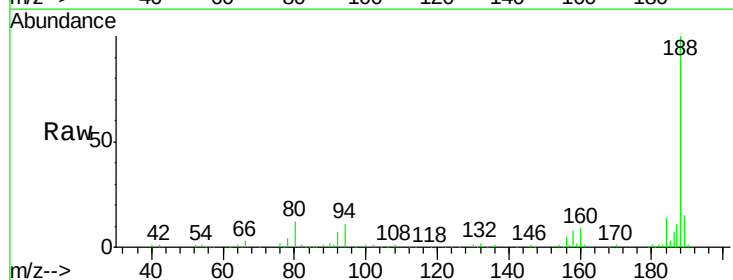
RT: 17.61 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

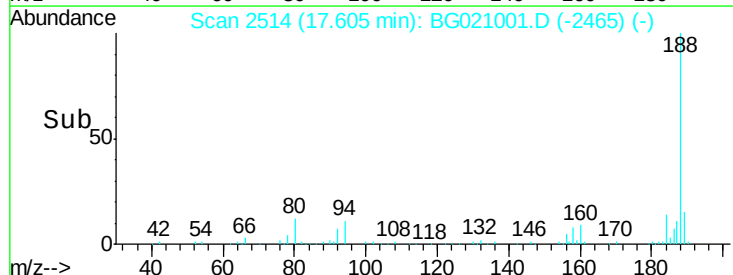
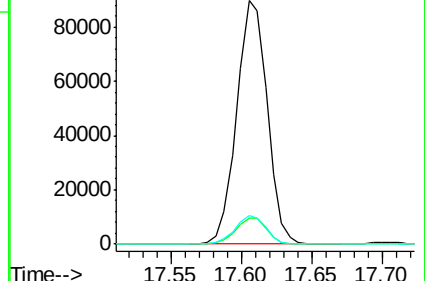
Tgt Ion:	188	Resp:	134978
Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.0
80	11.6	10.2	15.4

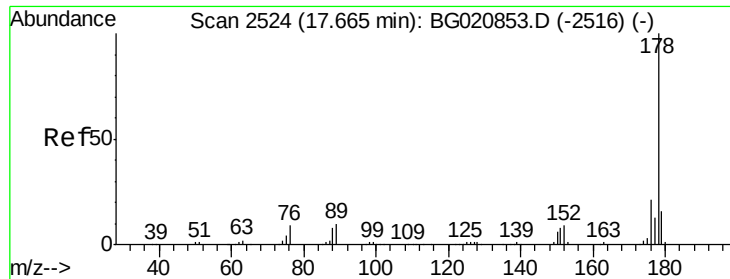


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 7.19 ng

RT: 17.65 min Scan# 2521

Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

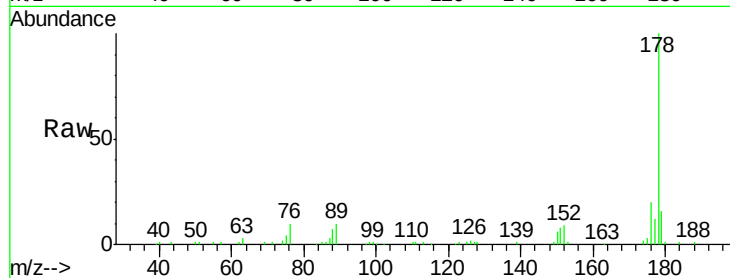
Tgt Ion:178 Resp: 55261

Ion Ratio Lower Upper

178 100

176 19.9 16.8 25.2

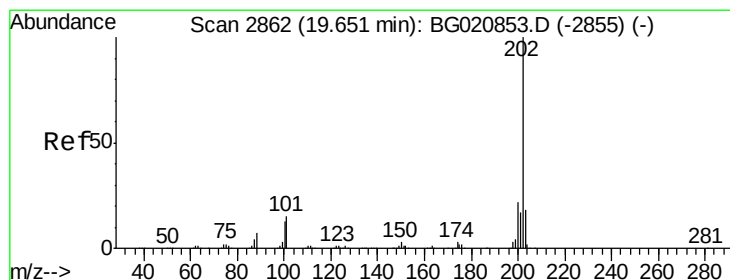
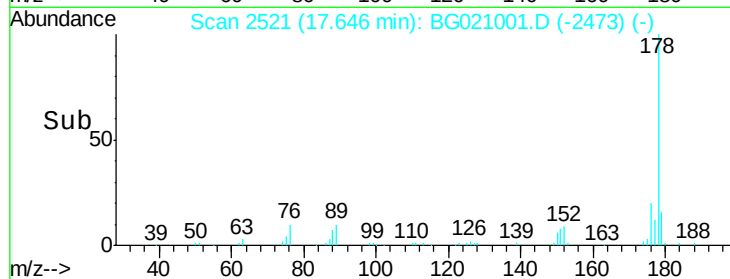
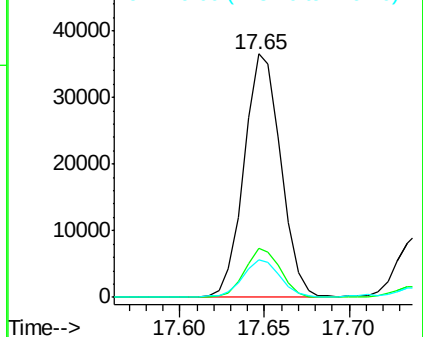
179 15.5 12.6 19.0



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



#74

Fluoranthene

Concen: 10.30 ng

RT: 19.64 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

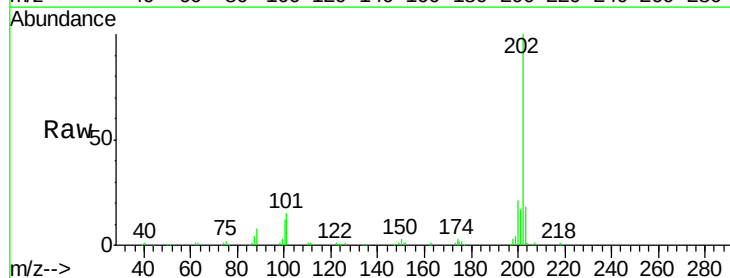
Tgt Ion:202 Resp: 85542

Ion Ratio Lower Upper

202 100

101 14.6 0.0 35.3

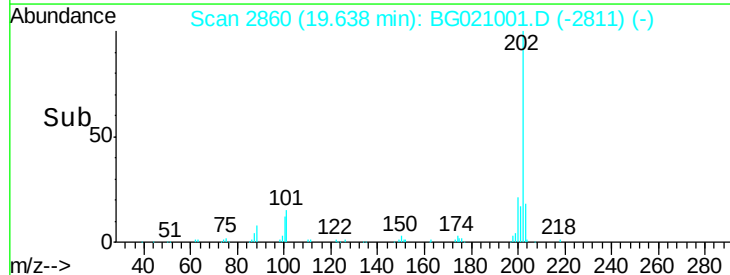
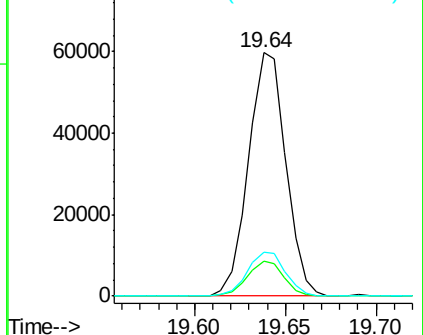
203 17.8 0.0 37.8

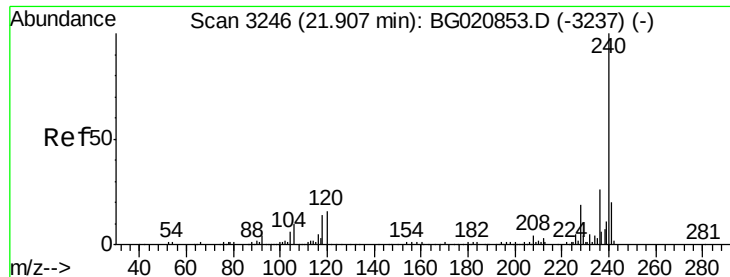


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

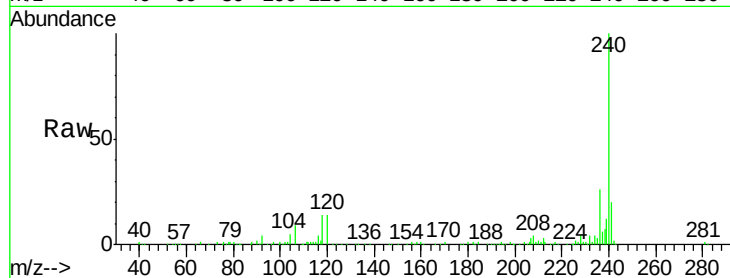
Tgt Ion:240 Resp: 126589

Ion Ratio Lower Upper

240 100

120 14.5 13.0 19.4

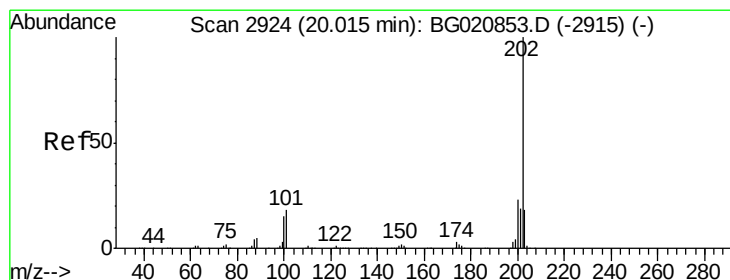
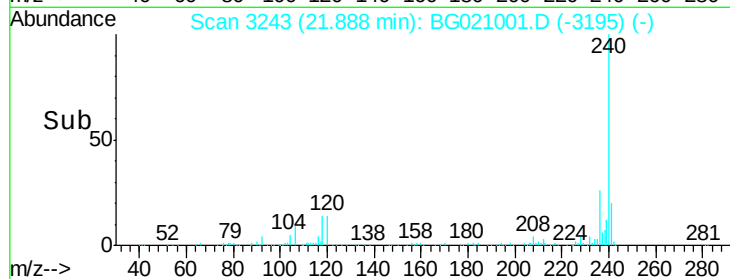
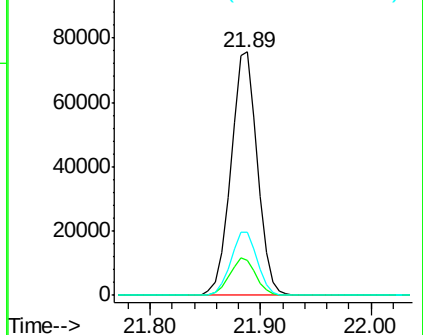
236 26.2 21.0 31.4



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

Pyrene

Concen: 8.18 ng

RT: 20.00 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

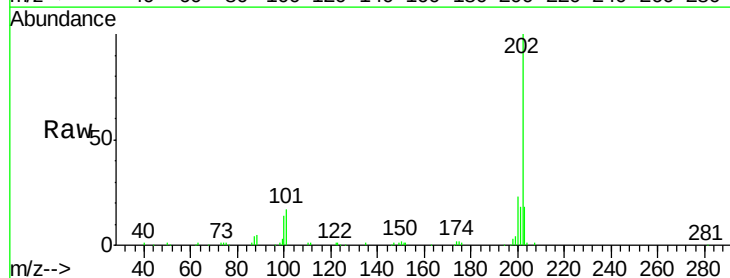
Tgt Ion:202 Resp: 68265

Ion Ratio Lower Upper

202 100

200 22.7 18.5 27.7

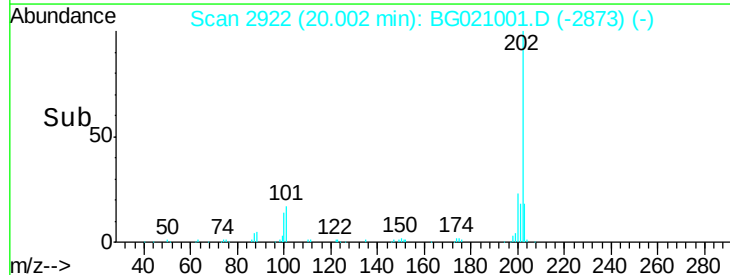
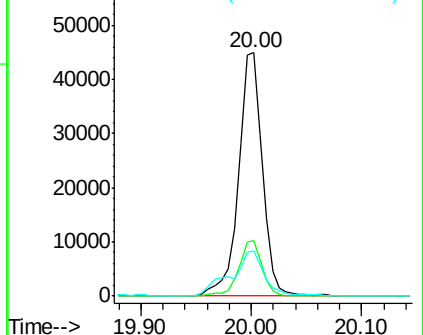
203 18.4 14.3 21.5

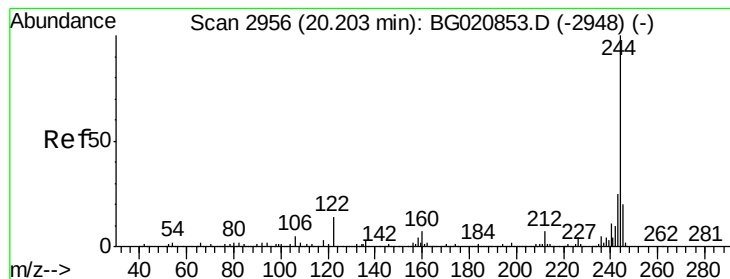


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.42 ng

RT: 20.19 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

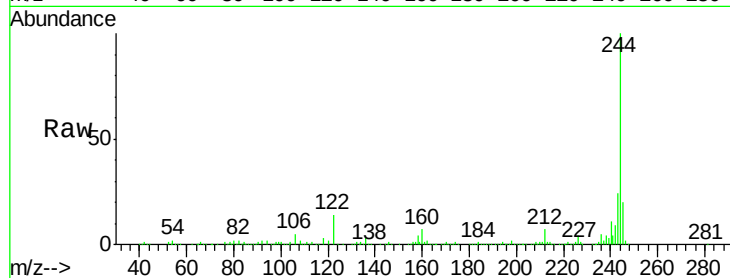
Tgt Ion:244 Resp: 425535

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

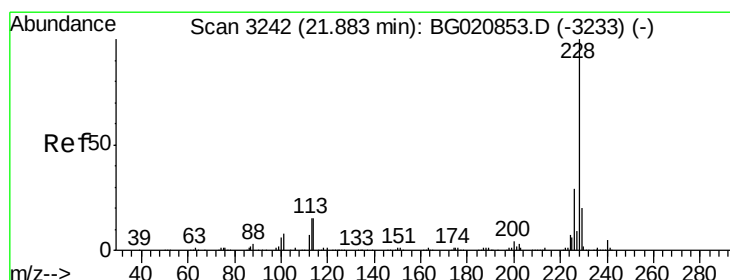
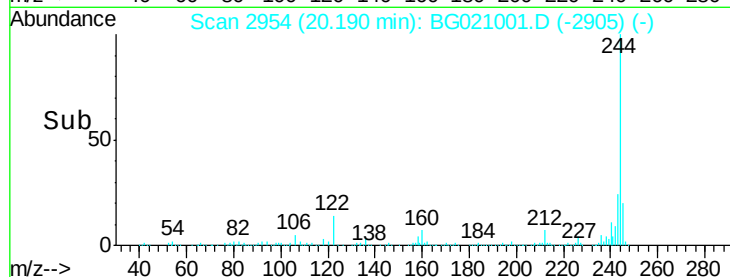
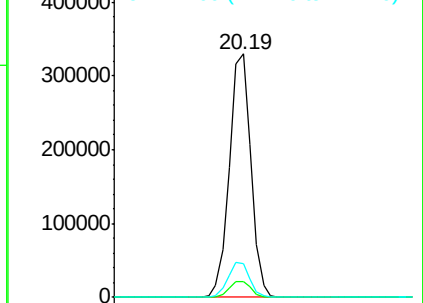
122 13.7 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 4.91 ng

RT: 21.86 min Scan# 3239

Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

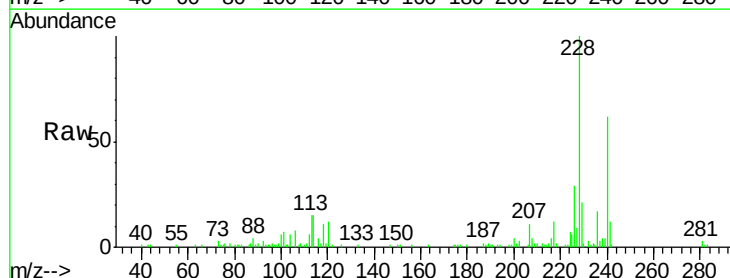
Tgt Ion:228 Resp: 37069

Ion Ratio Lower Upper

228 100

226 29.0 23.1 34.7

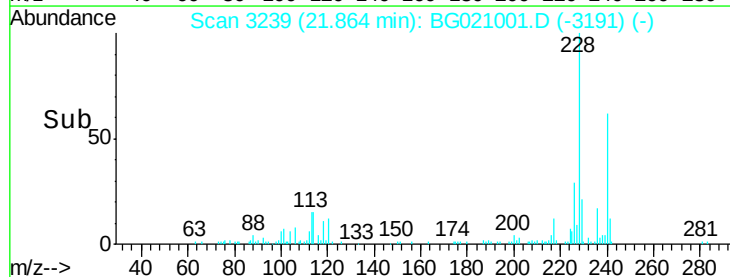
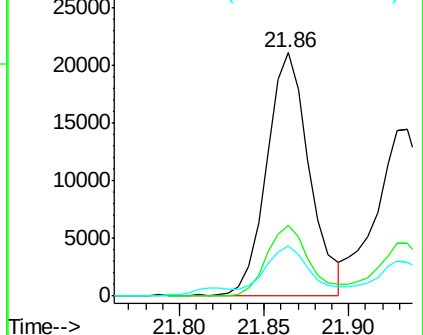
229 20.9 16.2 24.2

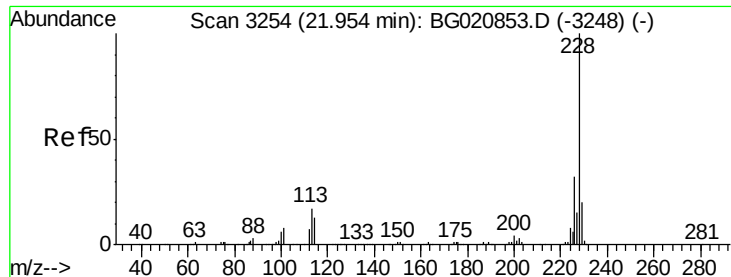


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.14 ng

RT: 21.93 min Scan# 3251

Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

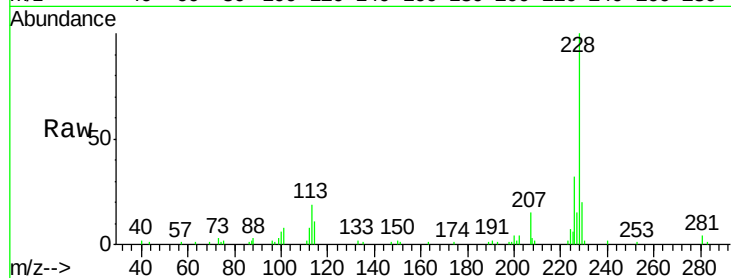
Tgt Ion:228 Resp: 29451

Ion Ratio Lower Upper

228 100

226 31.6 25.3 37.9

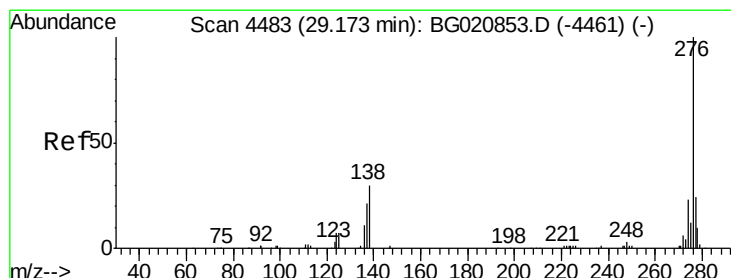
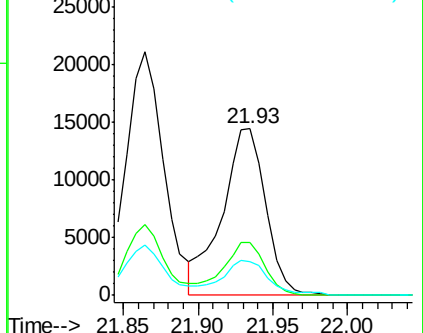
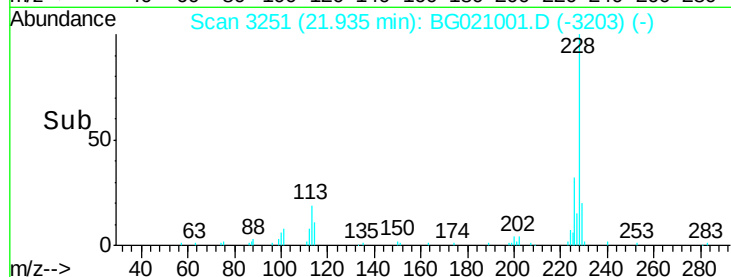
229 19.9 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.30 ng

RT: 29.09 min Scan# 4469

Delta R.T. -0.08 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

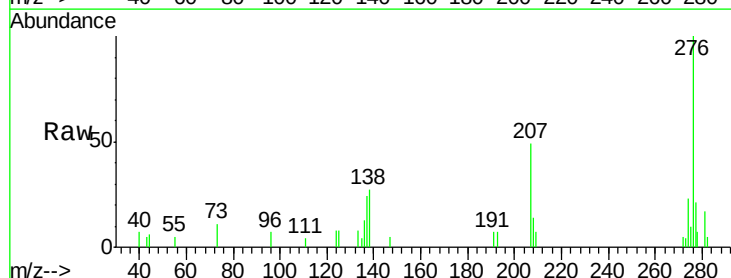
Tgt Ion:276 Resp: 18759

Ion Ratio Lower Upper

276 100

138 12.6 20.1 30.1#

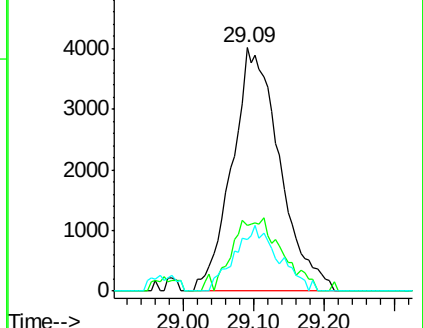
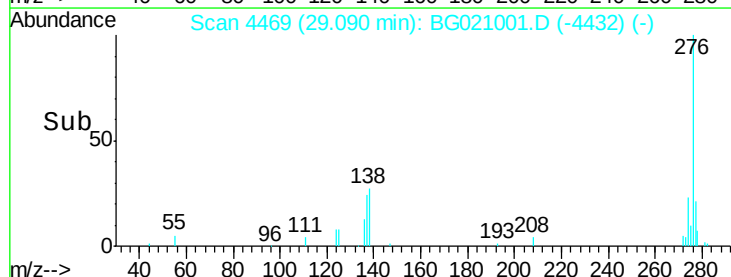
277 24.9 20.5 30.7

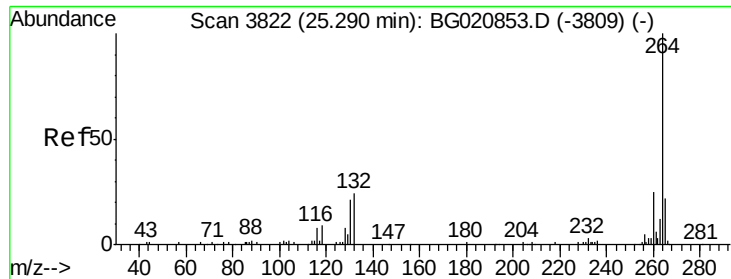


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

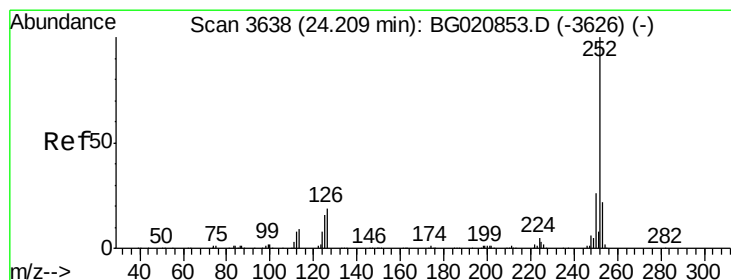
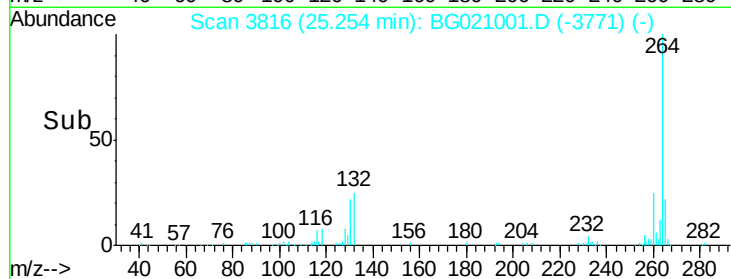
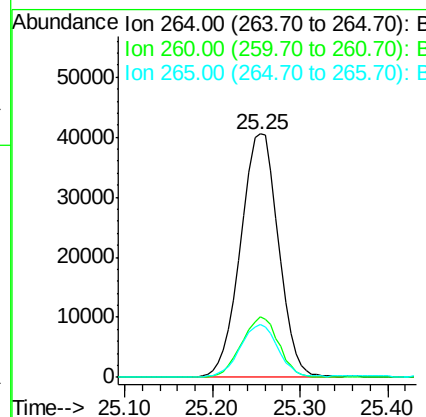
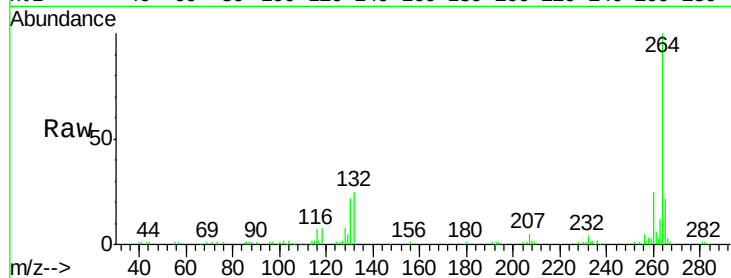




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.25 min Scan# 3816
 Delta R.T. -0.04 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

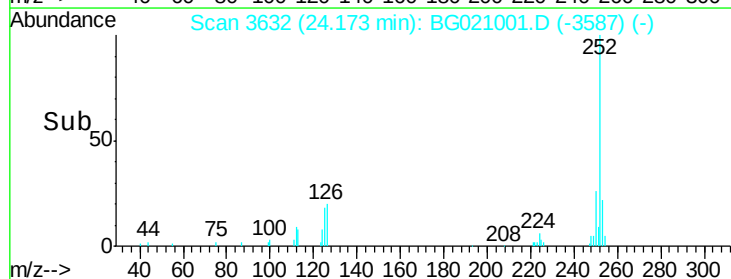
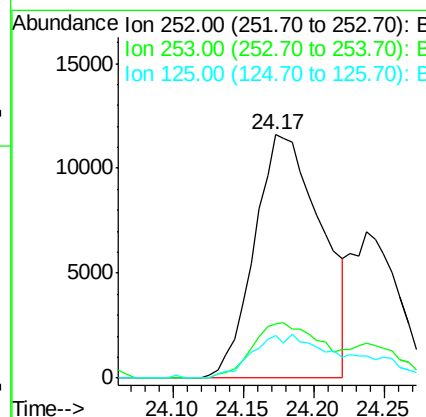
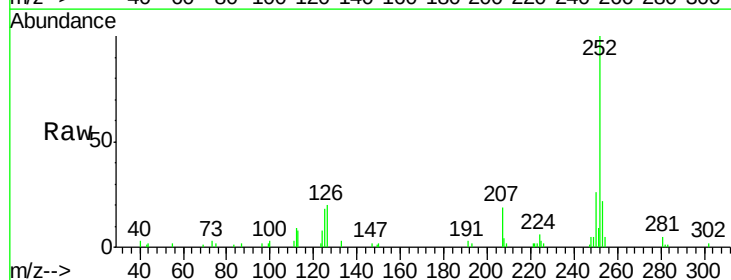
Instrument :
 BNA_G
 ClientSampleId :
 40055+15(0-2)

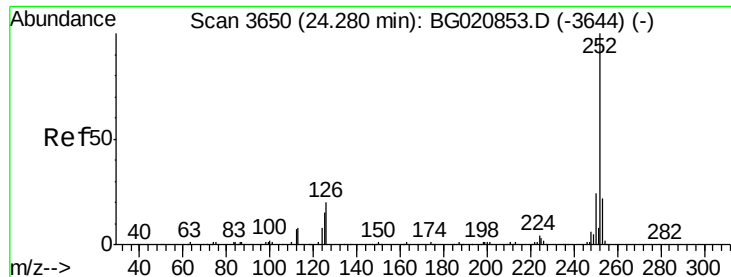
Tgt Ion: 264 Resp: 119833
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.9 29.9
 265 22.0 18.0 27.0



#87
 Benzo(b)fluoranthene
 Concen: 5.25 ng
 RT: 24.17 min Scan# 3632
 Delta R.T. -0.04 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

Tgt Ion: 252 Resp: 38502
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 17.5 12.5 18.7





#88

Benzo(k)fluoranthene

Concen: 5.36 ng

RT: 24.17 min Scan# 3632

Delta R.T. -0.11 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

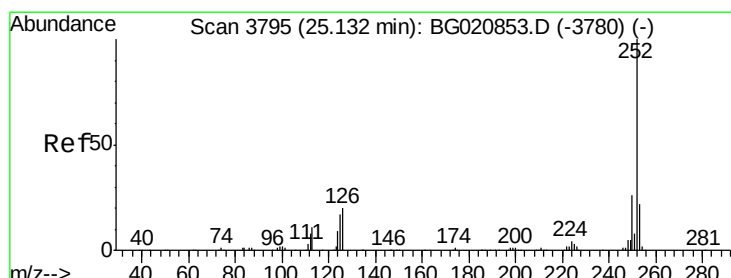
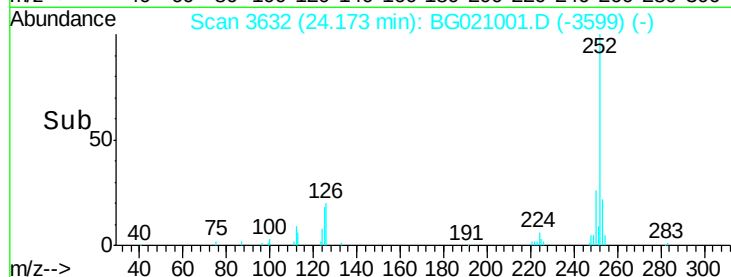
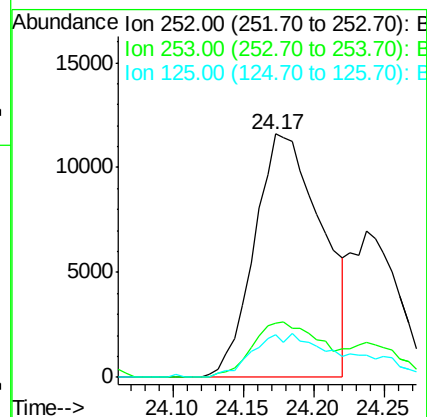
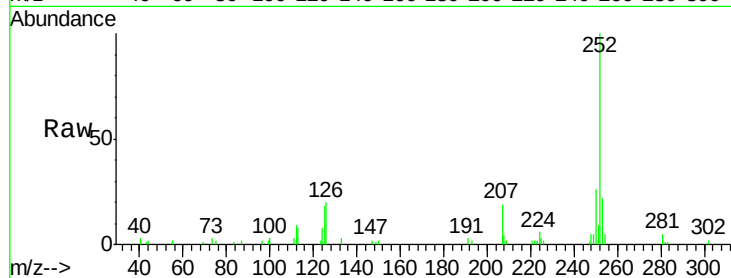
Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)

Tgt Ion:	252	Resp:	38502
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	17.5	12.2	18.4



#89

Benzo(a)pyrene

Concen: 4.17 ng

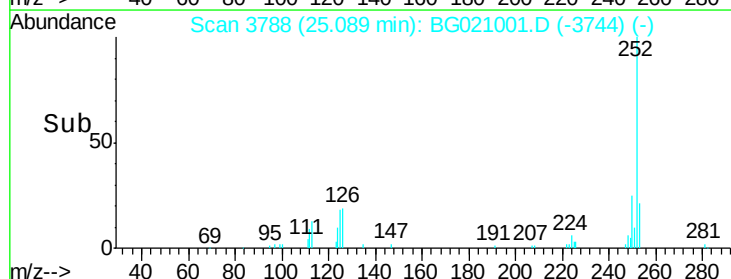
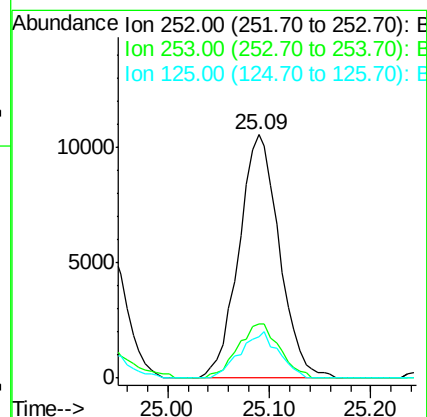
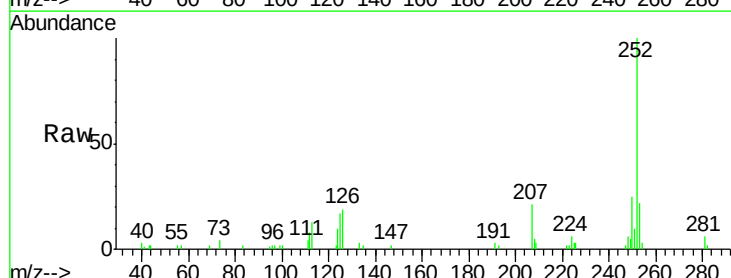
RT: 25.09 min Scan# 3788

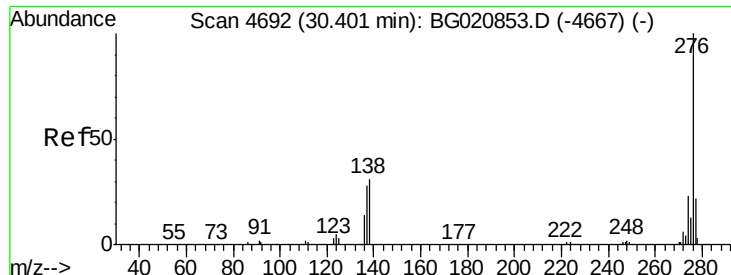
Delta R.T. -0.04 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion:	252	Resp:	29124
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	17.2	13.6	20.4





#91

Benzo(g,h,i)perylene

Concen: 2.47 ng

RT: 30.31 min Scan# 4676

Delta R.T. -0.10 min

Lab File: BG021001.D

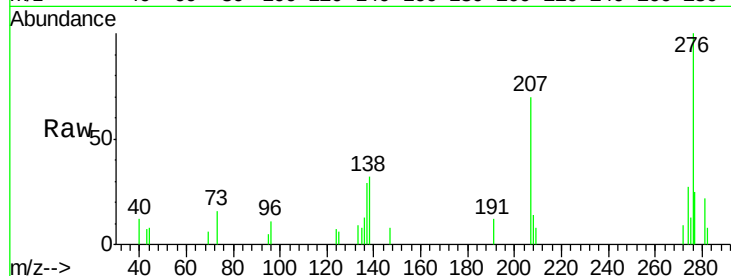
Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

ClientSampleId :

40055+15(0-2)



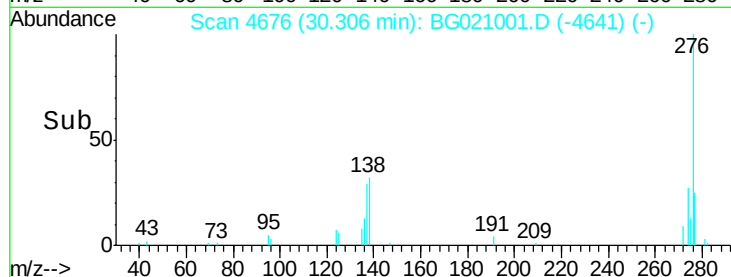
Tgt Ion:276 Resp: 16641

Ion Ratio Lower Upper

276 100

277 24.7 17.6 26.4

138 31.7 25.2 37.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

