

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
 Data File : BG022331.D
 Acq On : 13 Jun 2016 19:37
 Operator : UM/SJ
 Sample : H3474-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S6-B3(0-7)C

Quant Time: Jun 14 03:54:48 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

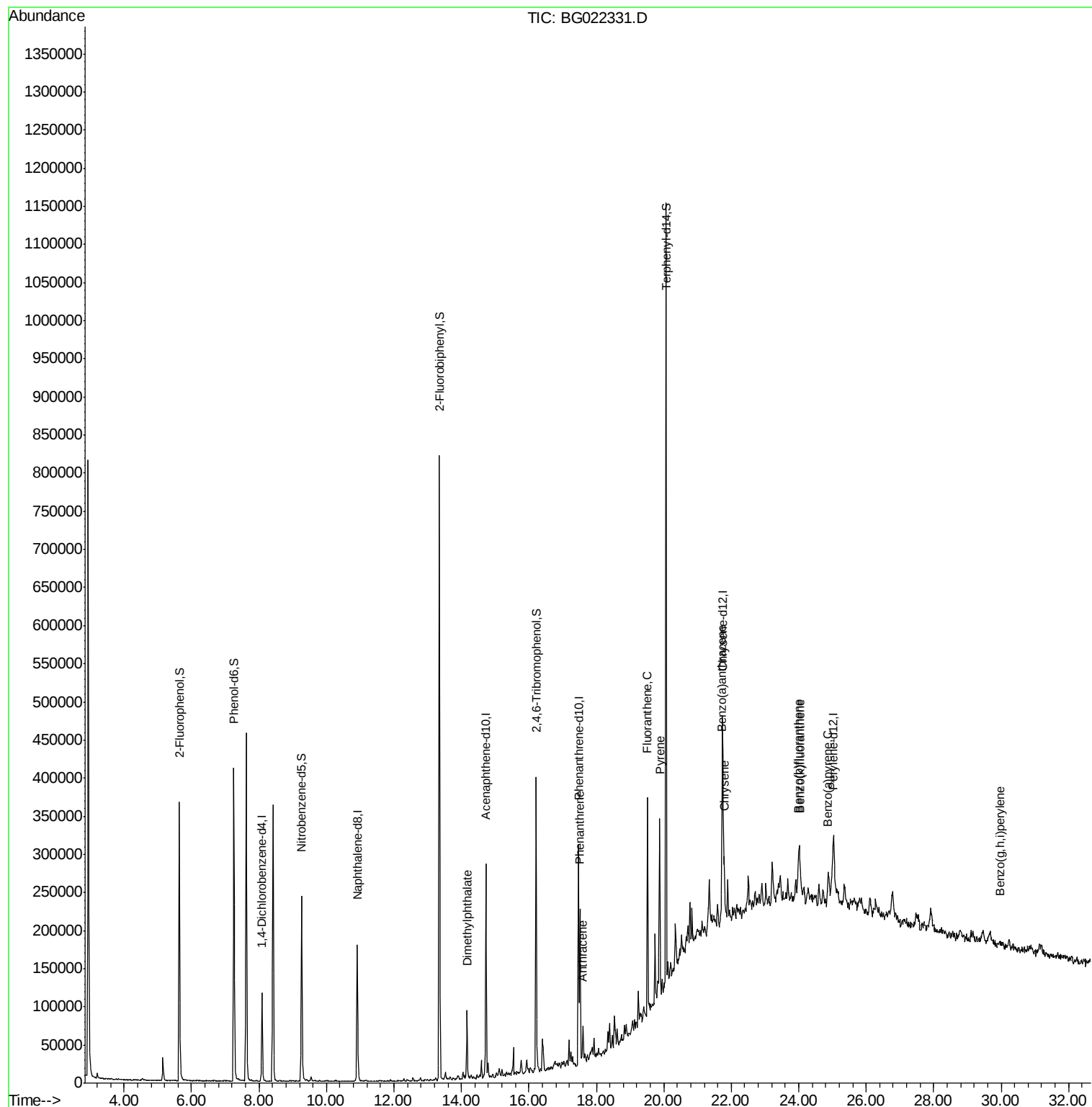
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	42568	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	195326	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	101452	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	192995	20.00	ng	0.00
75) Chrysene-d12	21.74	240	152566	20.00	ng	0.00
86) Perylene-d12	25.03	264	113507	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	246418	111.92	ng	0.00
7) Phenol-d6	7.26	99	358774	103.64	ng	0.00
23) Nitrobenzene-d5	9.26	82	197169	70.38	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	82983	72.39	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	479674	72.05	ng	0.00
78) Terphenyl-d14	20.07	244	446511	69.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	69040	8.21	ng	# 98
70) Phenanthrene	17.51	178	132106	12.60	ng	99
71) Anthracene	17.60	178	33209	3.19	ng	94
74) Fluoranthene	19.52	202	180800	15.00	ng	97
77) Pyrene	19.88	202	152147	16.04	ng	98
80) Benzo(a)anthracene	21.72	228	67219m	7.86	ng	
82) Chrysene	21.79	228	59549	7.15	ng	97
87) Benzo(b)fluoranthene	23.99	252	55980	8.46	ng	# 68
88) Benzo(k)fluoranthene	24.04	252	33404m	5.13	ng	
89) Benzo(a)pyrene	24.87	252	36048	5.69	ng	# 78
91) Benzo(g,h,i)perylene	29.98	276	13215m	2.13	ng	

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022331.D
Acq On : 13 Jun 2016 19:37
Operator : UM/SJ
Sample : H3474-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S6-B3(0-7)C

Quant Time: Jun 14 03:54:48 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration



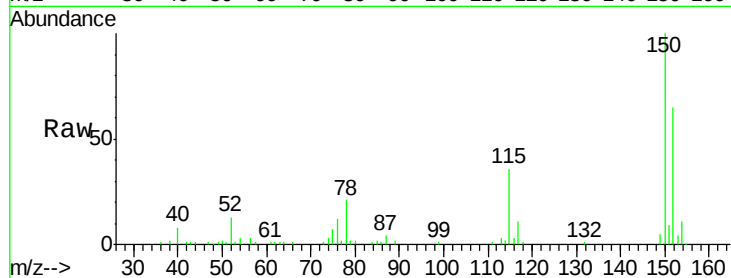


#1

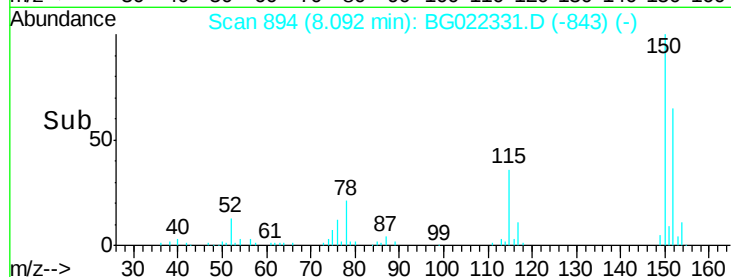
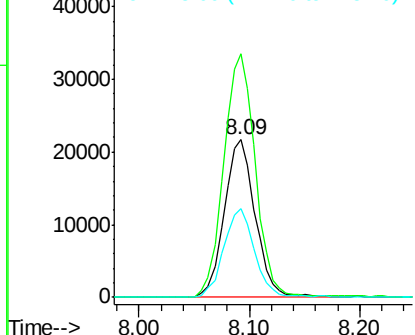
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. 0.00 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

Instrument :
BNA_G
ClientSampleId :
S6-B3(0-7)C

Tot Ion:152 Resp: 42568
Ion Ratio Lower Upper
152 100
150 154.6 130.1 195.1
115 56.1 62.2 93.2#



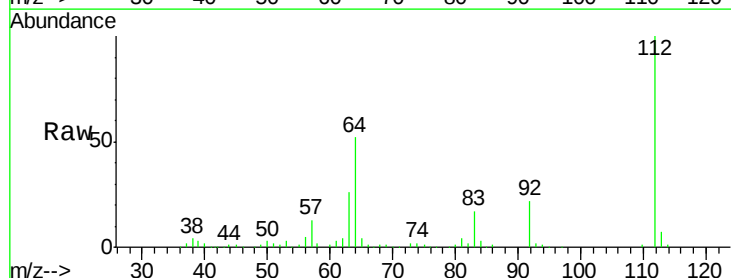
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



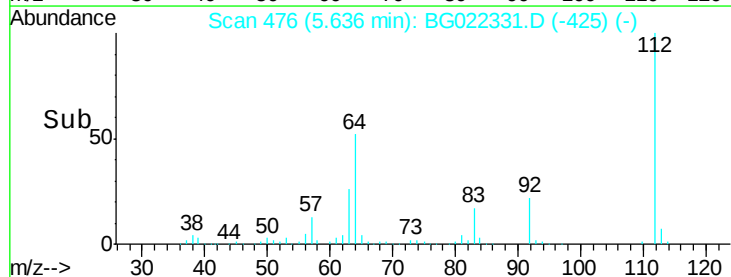
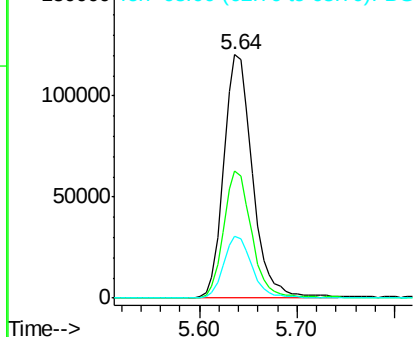
#5

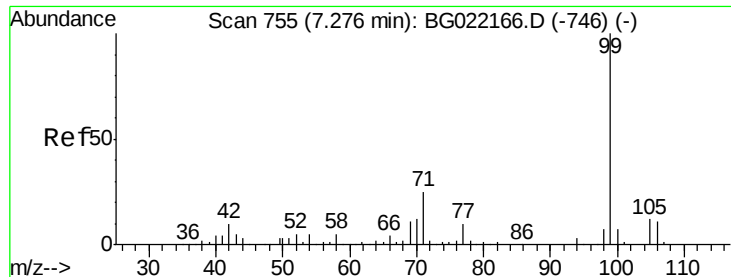
2-Fluorophenol
Concen: 111.92 ng
RT: 5.64 min Scan# 476
Delta R.T. 0.00 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

Tgt Ion:112 Resp: 246418
Ion Ratio Lower Upper
112 100
64 52.1 51.1 76.7
63 25.7 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: 103.64 ng

RT: 7.26 min Scan# 752

Delta R.T. 0.01 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

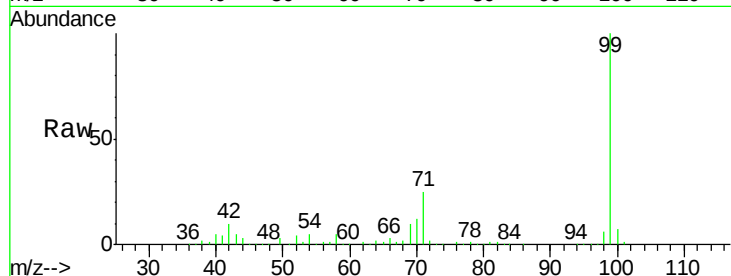
Tot Ion: 99 Resp: 358774

Ion Ratio Lower Upper

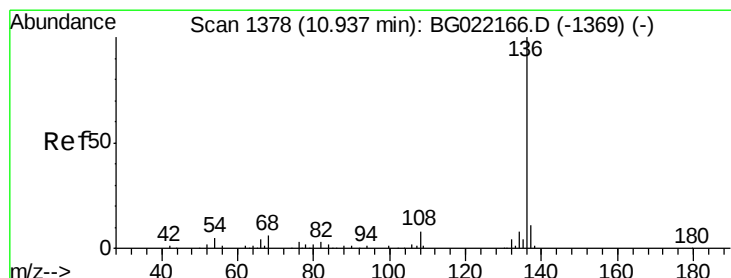
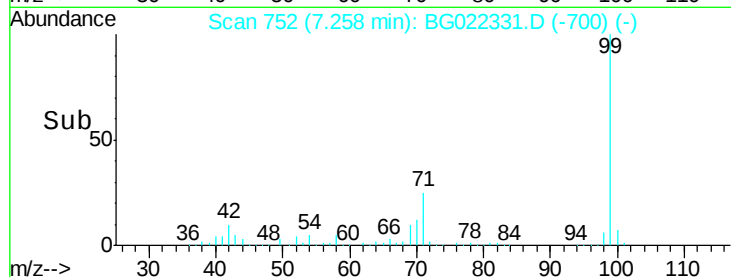
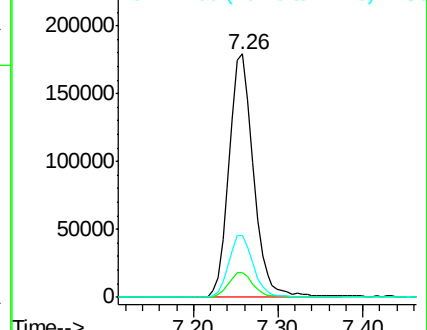
99 100

42 10.1 16.4 24.6#

71 25.4 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: 10.91 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Tgt Ion: 136 Resp: 195326

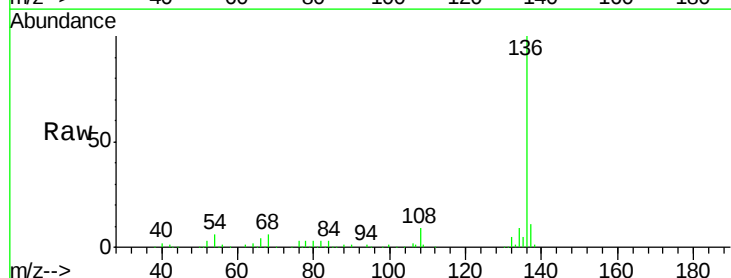
Ion Ratio Lower Upper

136 100

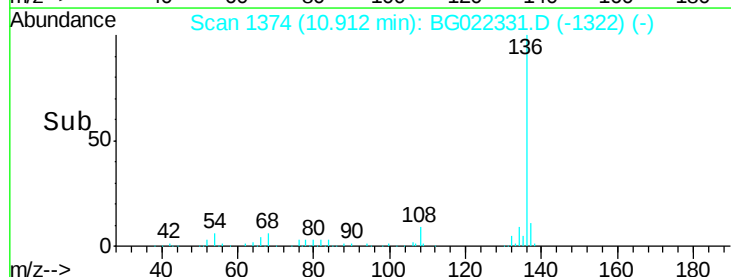
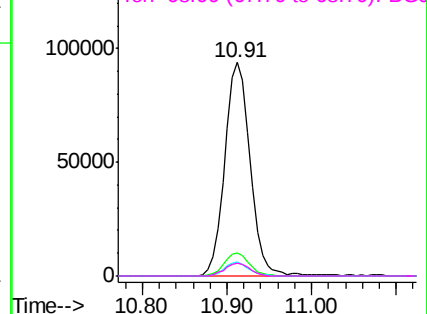
137 10.7 9.0 13.4

54 6.4 9.6 14.4#

68 6.2 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

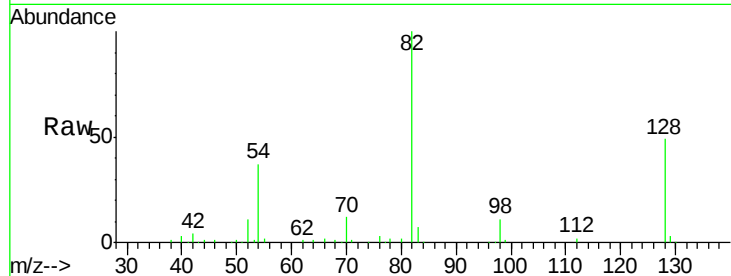




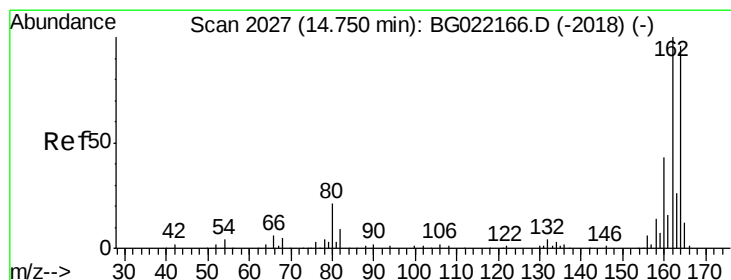
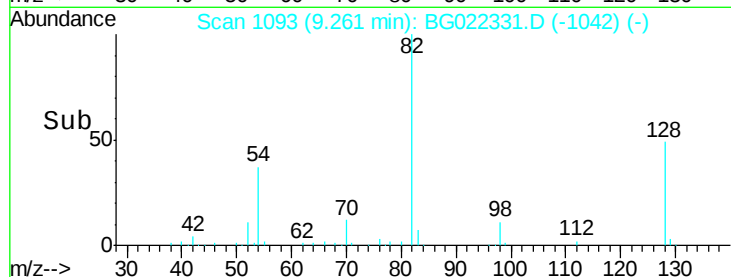
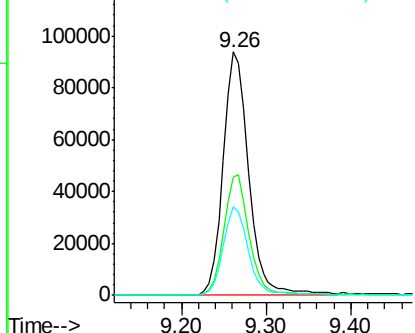
#23
 Nitrobenzene-d5
 Concen: 70.38 ng
 RT: 9.26 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: BG022331.D
 Acq: 13 Jun 2016 19:37

Instrument :
 BNA_G
 ClientSampleId :
 S6-B3(0-7)C

Tot Ion	82	Resp	197169
Ion Ratio	100		
Lower	33.4		
Upper	50.0		
54	36.6	46.1	69.1#

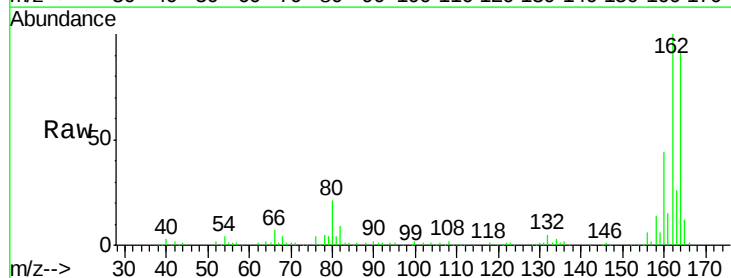


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

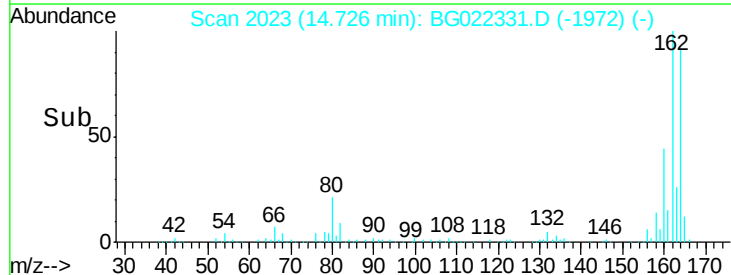
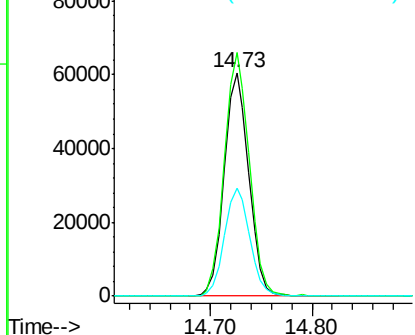


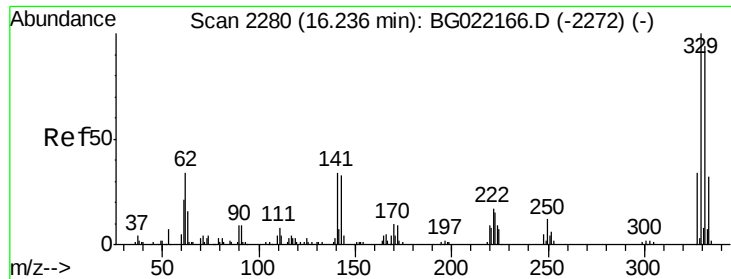
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.73 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BG022331.D
 Acq: 13 Jun 2016 19:37

Tgt Ion	164	Resp	101452
Ion Ratio	100		
Lower	78.0		
Upper	117.0		
162	109.1	32.9	49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 72.39 ng

RT: 16.22 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

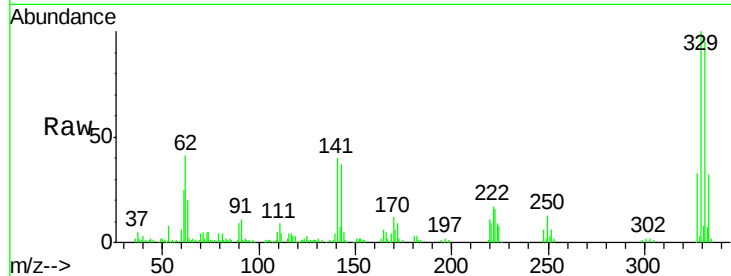
Tot Ion:330 Resp: 82983

Ion Ratio Lower Upper

330 100

332 95.7 78.0 117.0

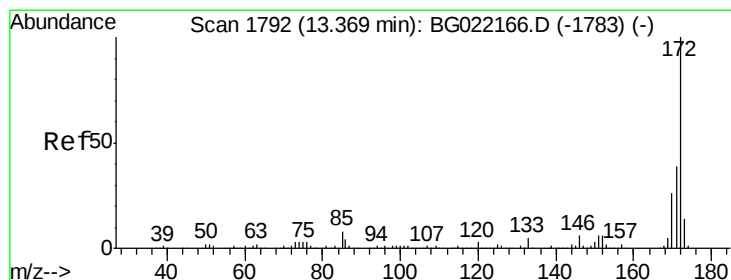
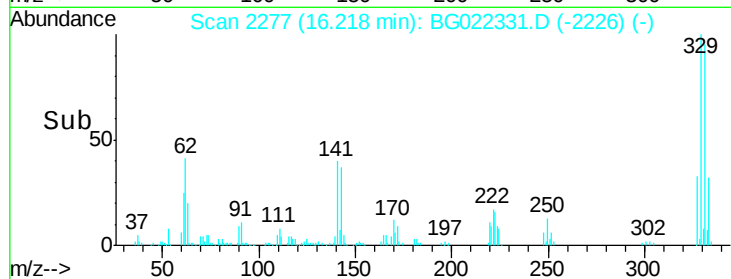
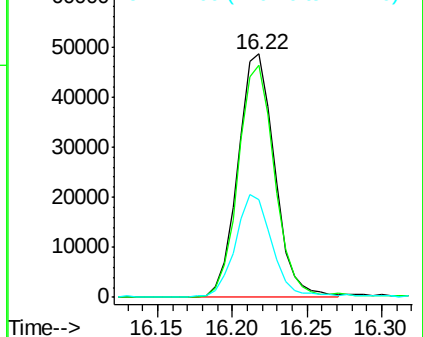
141 43.3 33.8 50.8



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: 72.05 ng

RT: 13.34 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

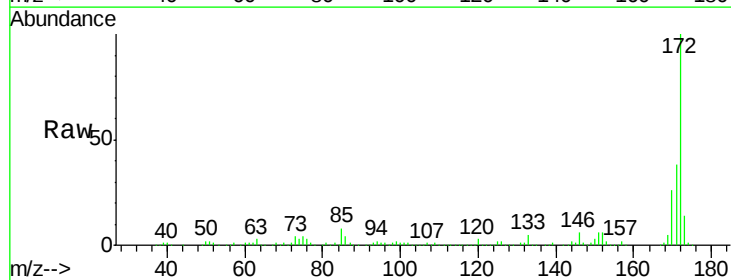
Tgt Ion:172 Resp: 479674

Ion Ratio Lower Upper

172 100

171 38.3 27.8 41.6

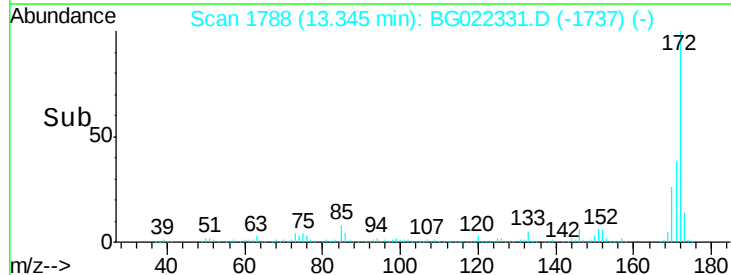
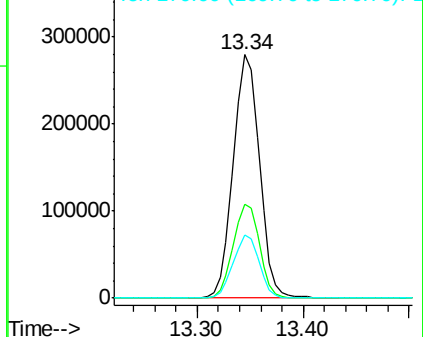
170 25.7 19.6 29.4



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





#49

Dimethylphthalate

Concen: 8.21 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

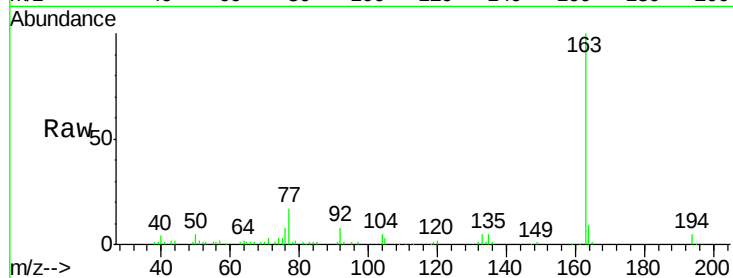
Tot Ion:163 Resp: 69040

Ion Ratio Lower Upper

163 100

194 4.8 3.0 4.6#

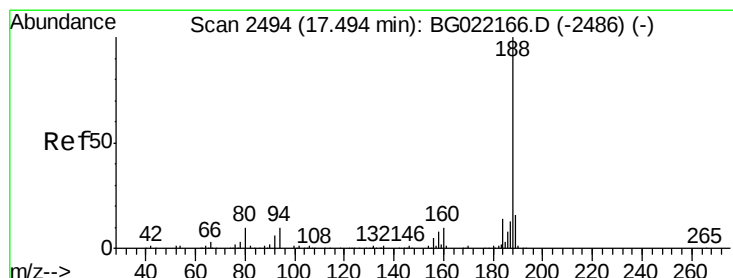
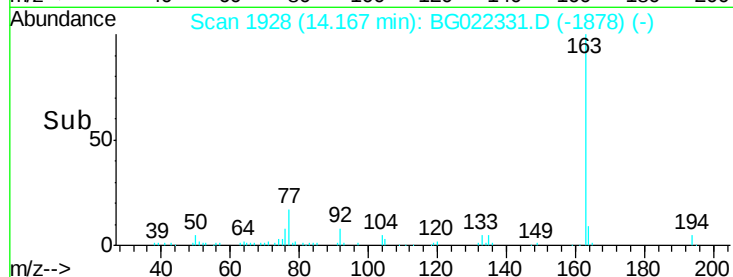
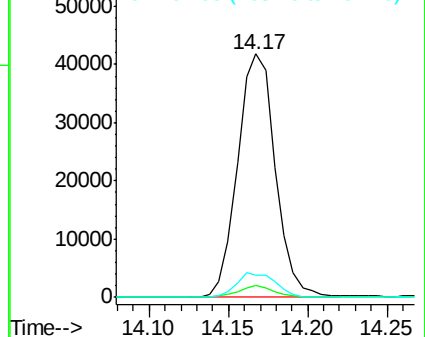
164 9.4 8.1 12.1



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: 17.47 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

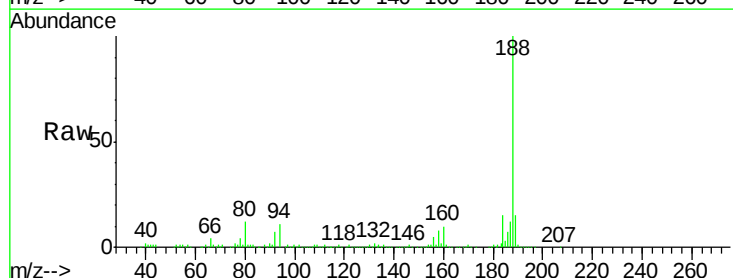
Tgt Ion:188 Resp: 192995

Ion Ratio Lower Upper

188 100

94 10.9 7.5 11.3

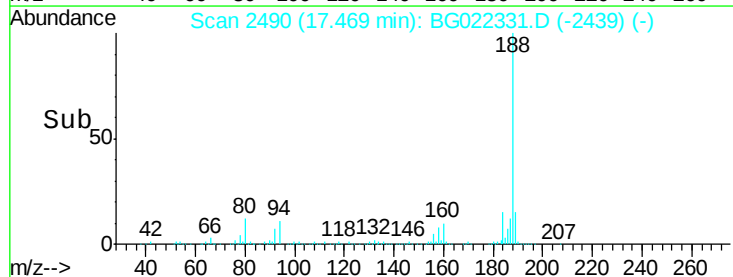
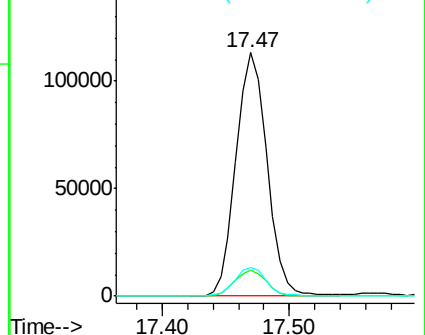
80 12.0 8.6 13.0

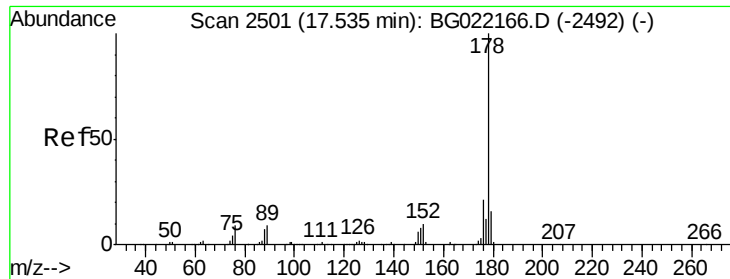


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 12.60 ng

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

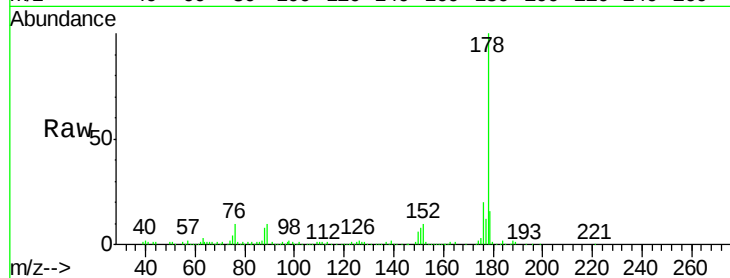
Tot Ion:178 Resp: 132106

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

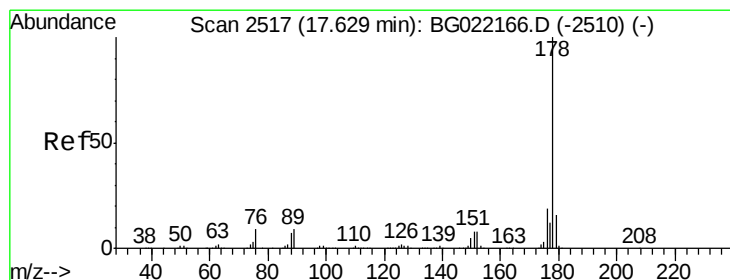
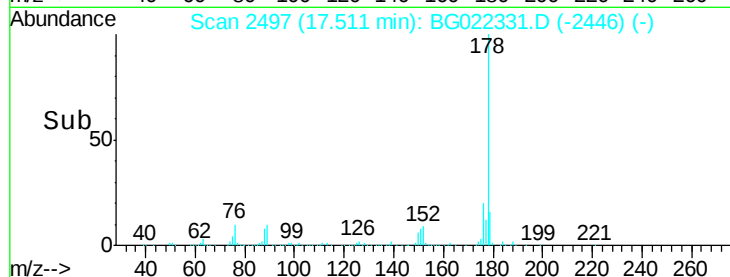
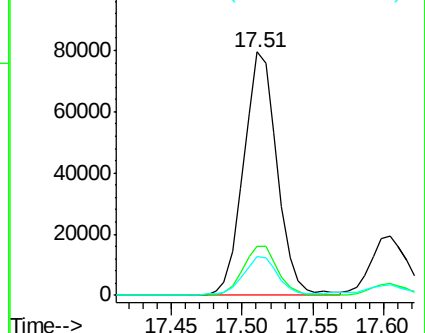
179 15.8 12.0 18.0



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



#71

Anthracene

Concen: 3.19 ng

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

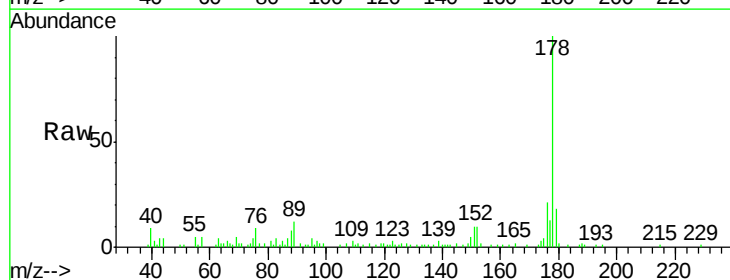
Tgt Ion:178 Resp: 33209

Ion Ratio Lower Upper

178 100

176 20.8 15.0 22.4

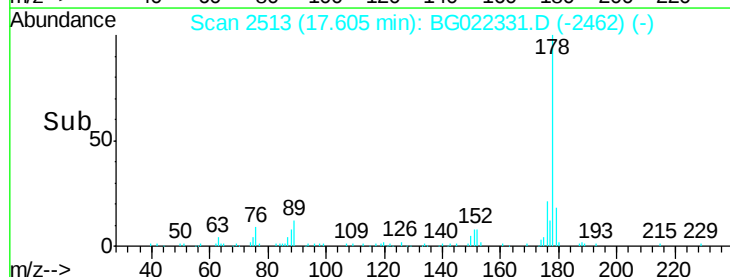
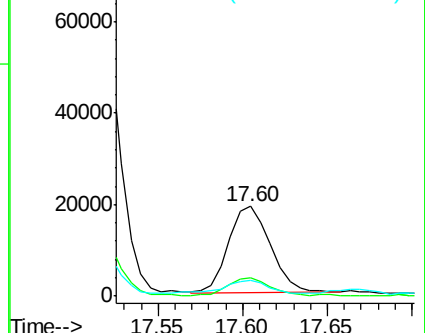
179 18.1 12.2 18.4

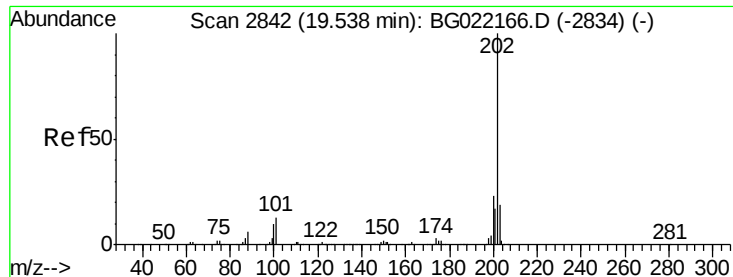


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.00 ng

RT: 19.52 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

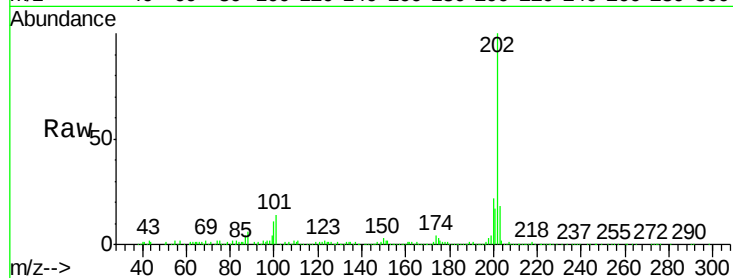
Tot Ion:202 Resp: 180800

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.0

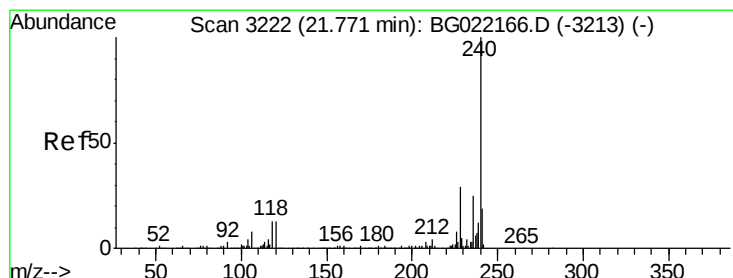
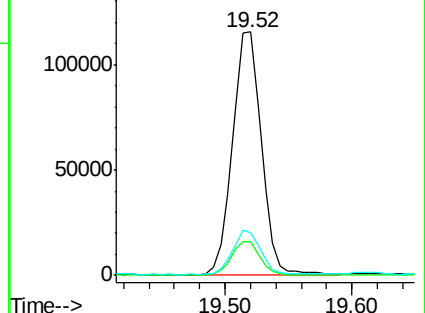
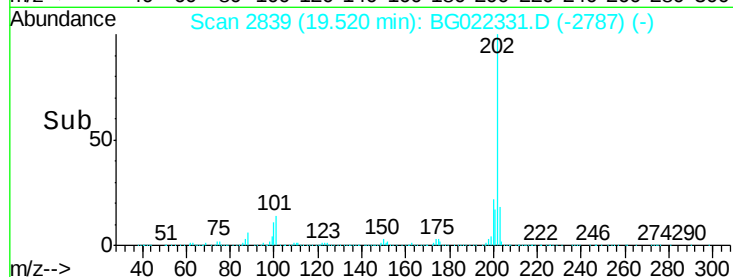
203 17.7 0.0 37.9



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: 21.74 min Scan# 3217

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

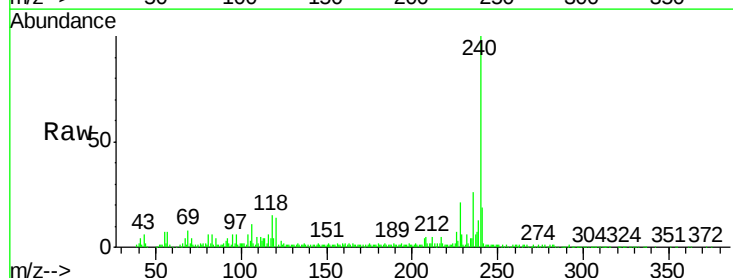
Tgt Ion:240 Resp: 152566

Ion Ratio Lower Upper

240 100

120 14.2 8.4 12.6#

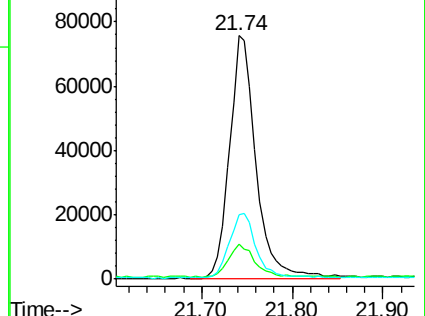
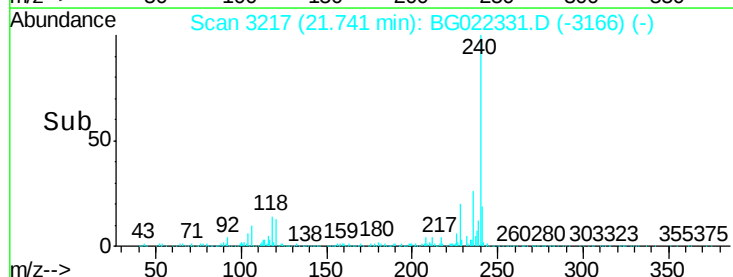
236 26.3 19.6 29.4

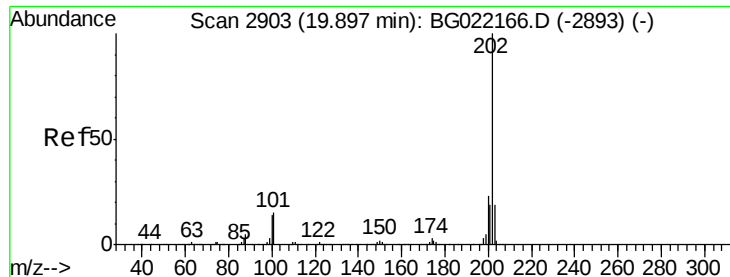


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

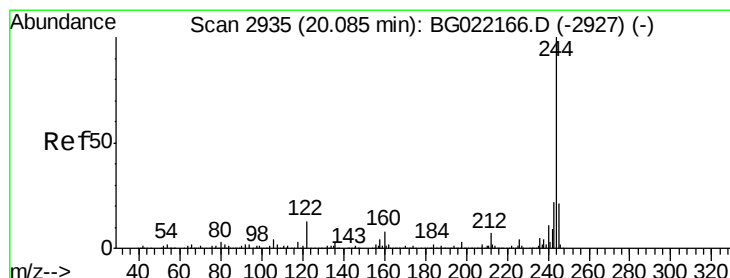
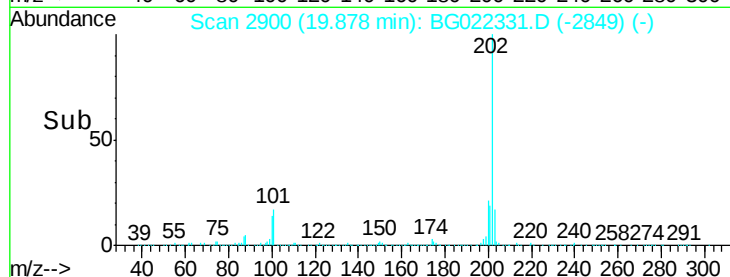
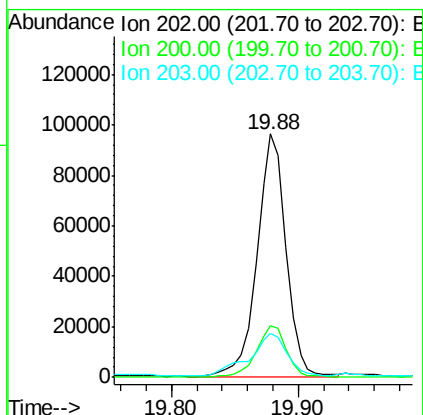
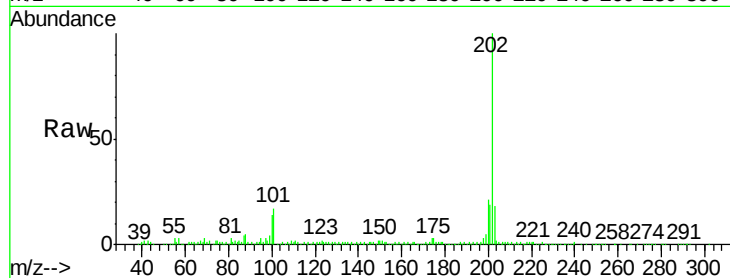




#77
Pvrene
Concen: 16.04 ng
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

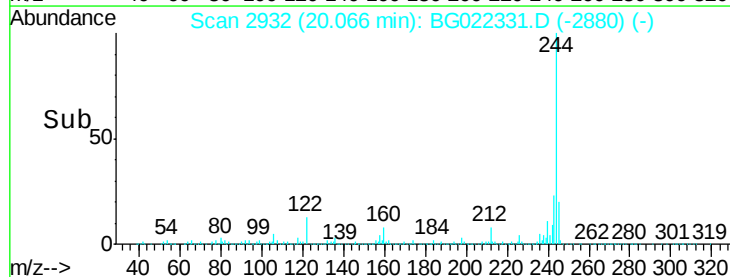
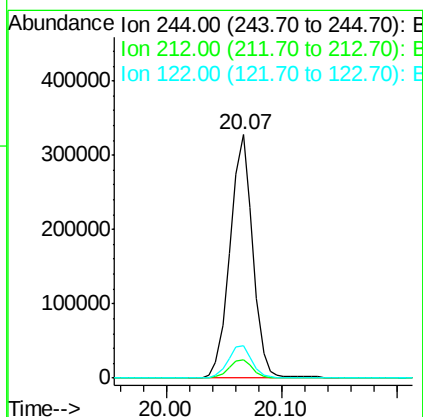
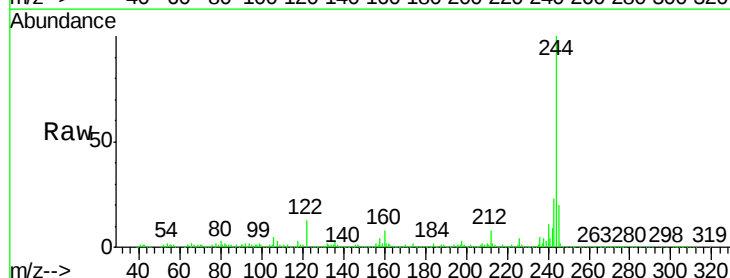
Instrument :
BNA_G
ClientSampleId :
S6-B3(0-7)C

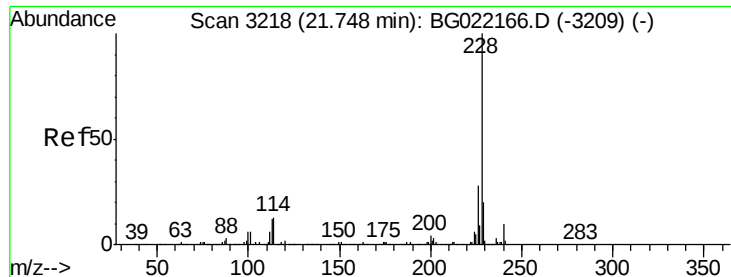
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.2	27.2
203	17.8	15.0	22.4



#78
Terphenyl-d14
Concen: 69.48 ng
RT: 20.07 min Scan# 2932
Delta R.T. 0.01 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	13.1	8.6	12.8#





#80

Benzo(a)anthracene

Concen: 7.86 ng

RT: 21.72 min Scan# 3214

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

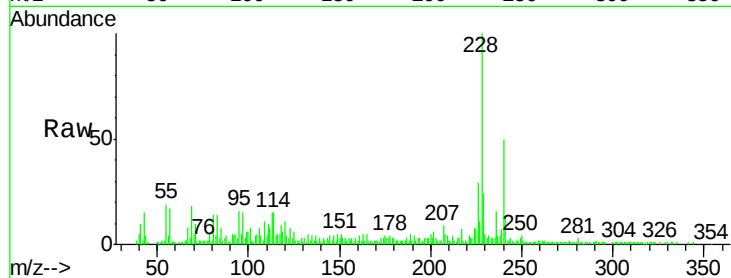
Tot Ion:228 Resp: 67219

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

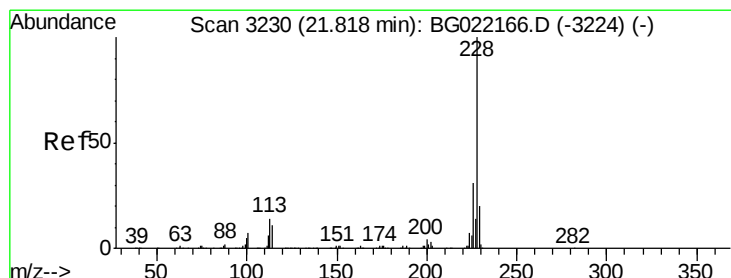
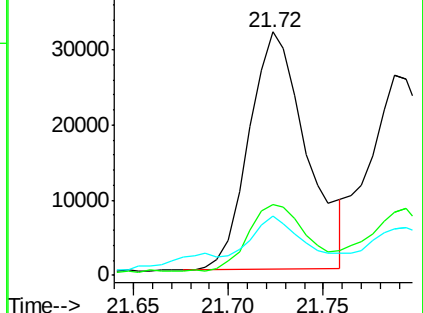
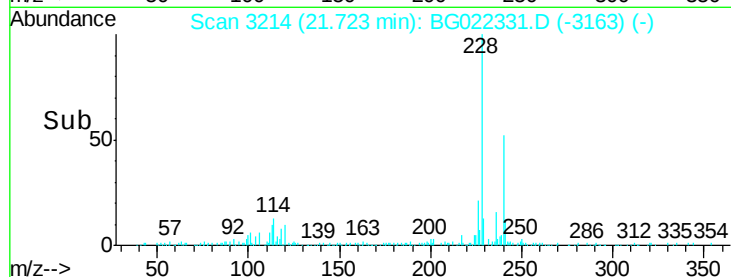
229 24.2 16.1 24.1#



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: 7.15 ng

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

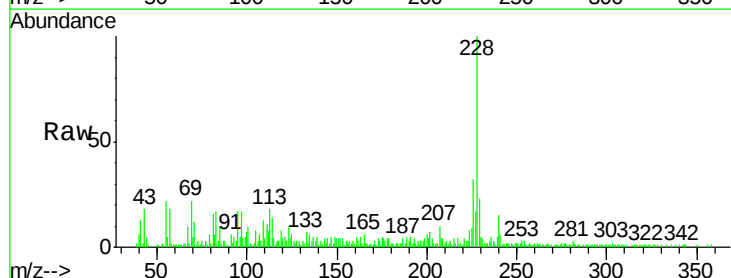
Tgt Ion:228 Resp: 59549

Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.0

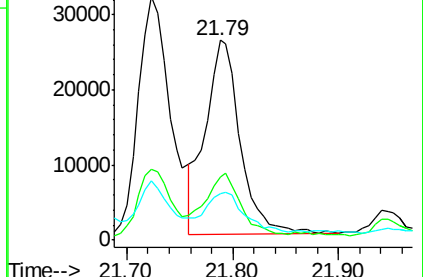
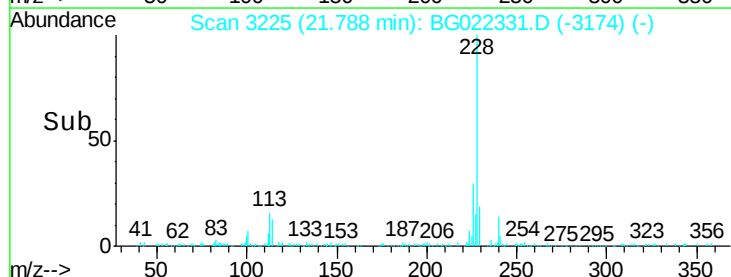
229 23.1 15.9 23.9

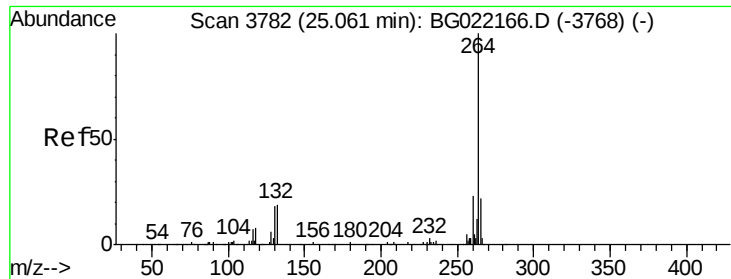


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

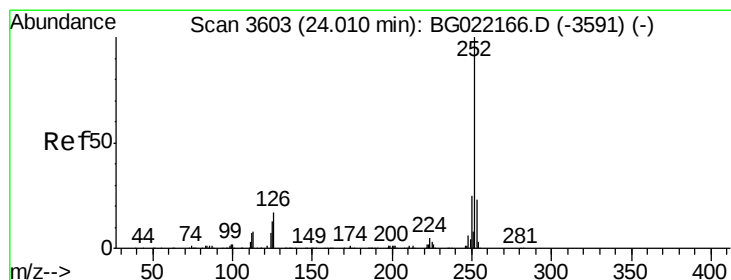
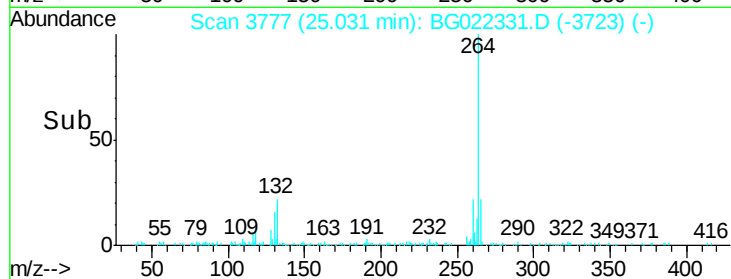
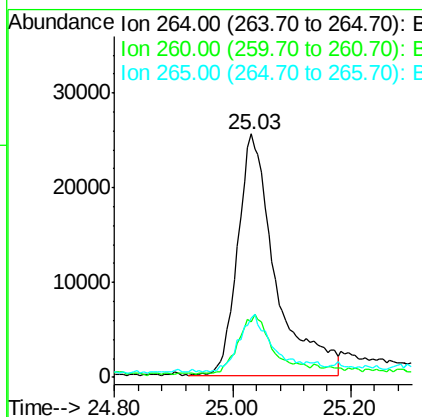
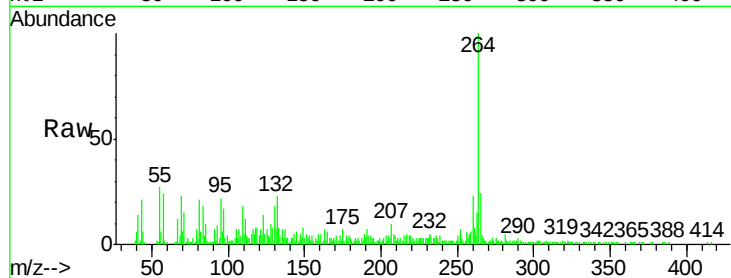




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. 0.02 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

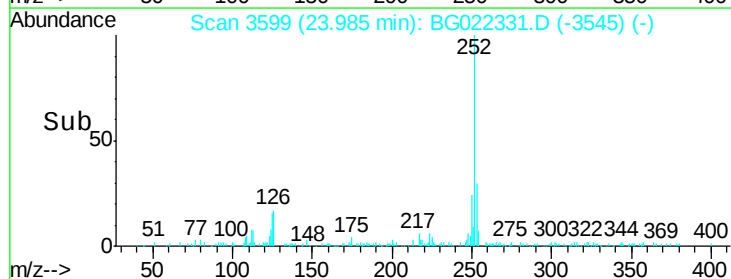
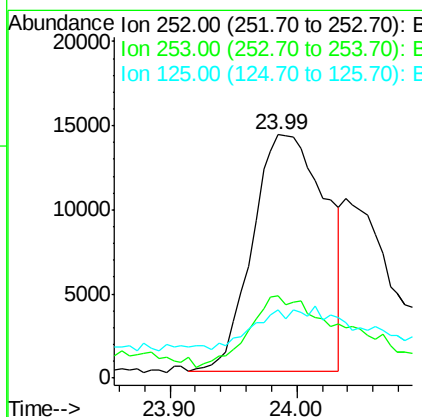
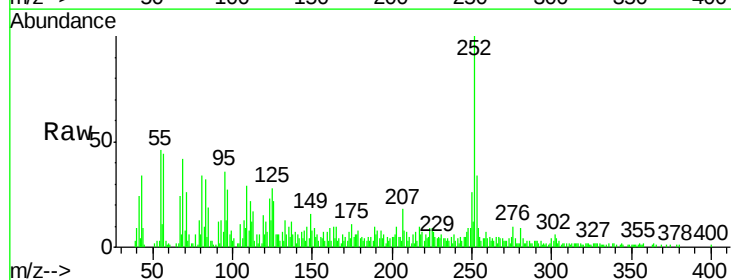
Instrument :
BNA_G
ClientSampleId :
S6-B3(0-7)C

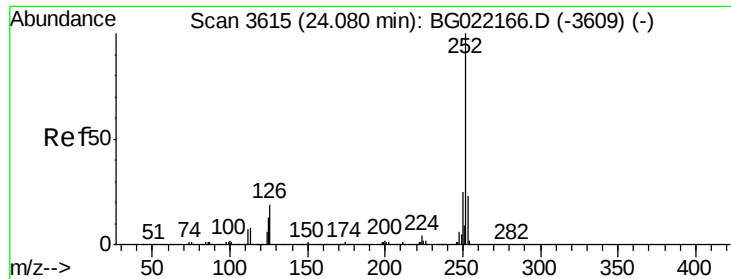
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	20.2	30.4
265	24.1	17.8	26.8



#87
Benzo(b)fluoranthene
Concen: 8.46 ng
RT: 23.99 min Scan# 3599
Delta R.T. 0.02 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.5	26.3#
125	27.9	8.6	13.0#

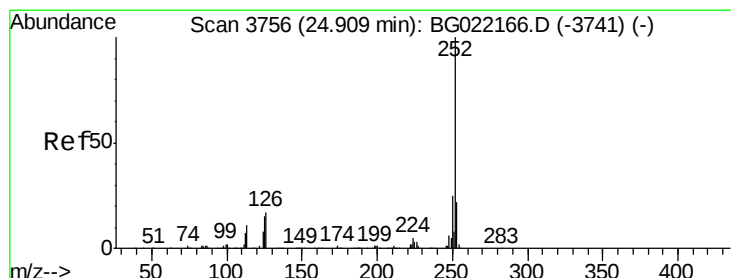
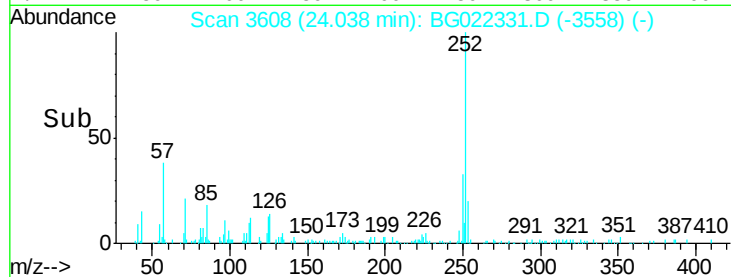
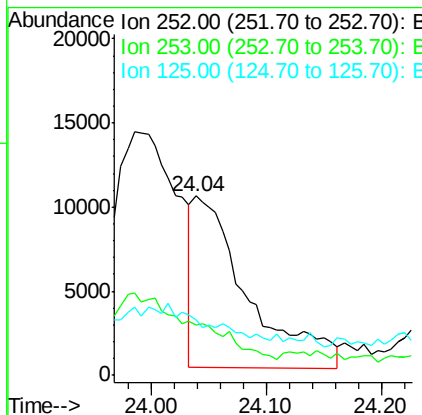
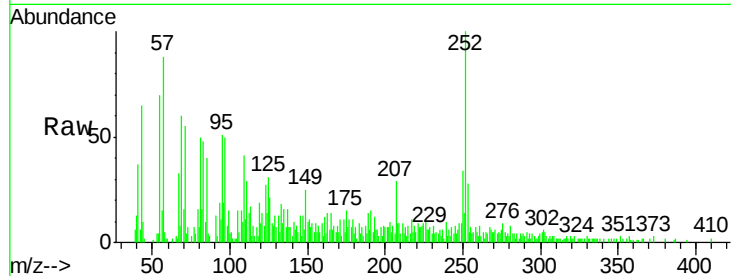




#88
Benzo(k)fluoranthene
Concen: 5.13 ng m
RT: 24.04 min Scan# 3608
Delta R.T. -0.00 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

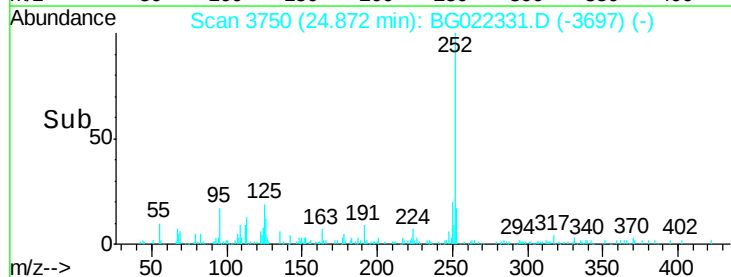
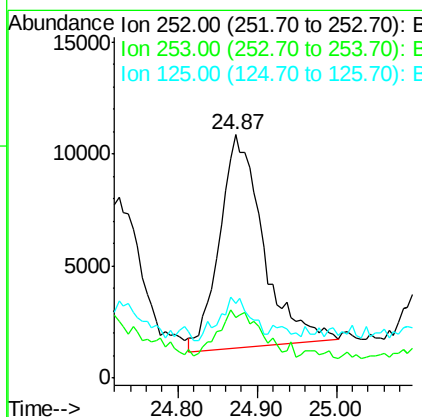
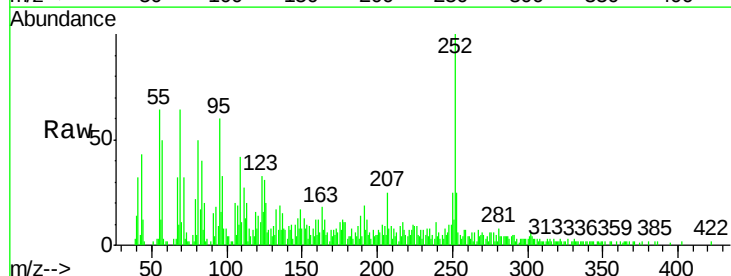
Instrument :
BNA_G
ClientSampleId :
S6-B3(0-7)C

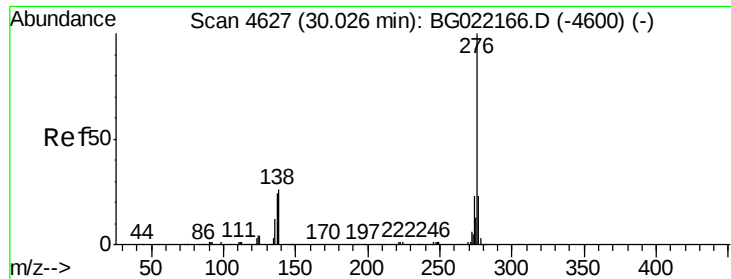
Tot Ion:252 Resp: 33404
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.8#
125 30.8 8.3 12.5#



#89
Benzo(a)pyrene
Concen: 5.69 ng
RT: 24.87 min Scan# 3750
Delta R.T. 0.01 min
Lab File: BG022331.D
Acq: 13 Jun 2016 19:37

Tgt Ion:252 Resp: 36048
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 30.9 9.6 14.4#





#91

Benzo(a,h,i)perylene

Concen: 2.13 ng/ml

RT: 29.98 min Scan# 4619

Delta R.T. 0.04 min

Lab File: BG022331.D

Acq: 13 Jun 2016 19:37

Instrument :

BNA_G

ClientSampleId :

S6-B3(0-7)C

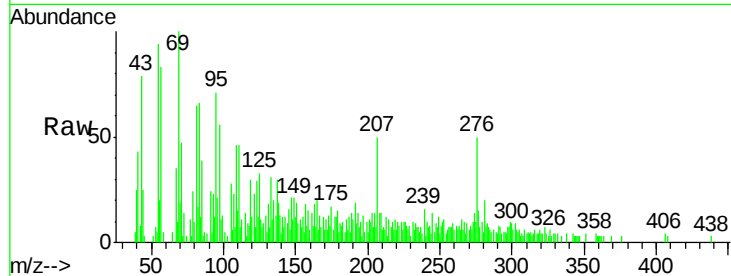
Tot Ion: 276 Resp: 13215

Ion Ratio Lower Upper

276 100

277 29.9 19.4 29.2#

138 37.8 17.4 26.0#



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

