

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060816\
 Data File : BG022240.D
 Acq On : 8 Jun 2016 18:10
 Operator : UM/SJ
 Sample : H3402-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-3

Quant Time: Jun 09 06:34:42 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

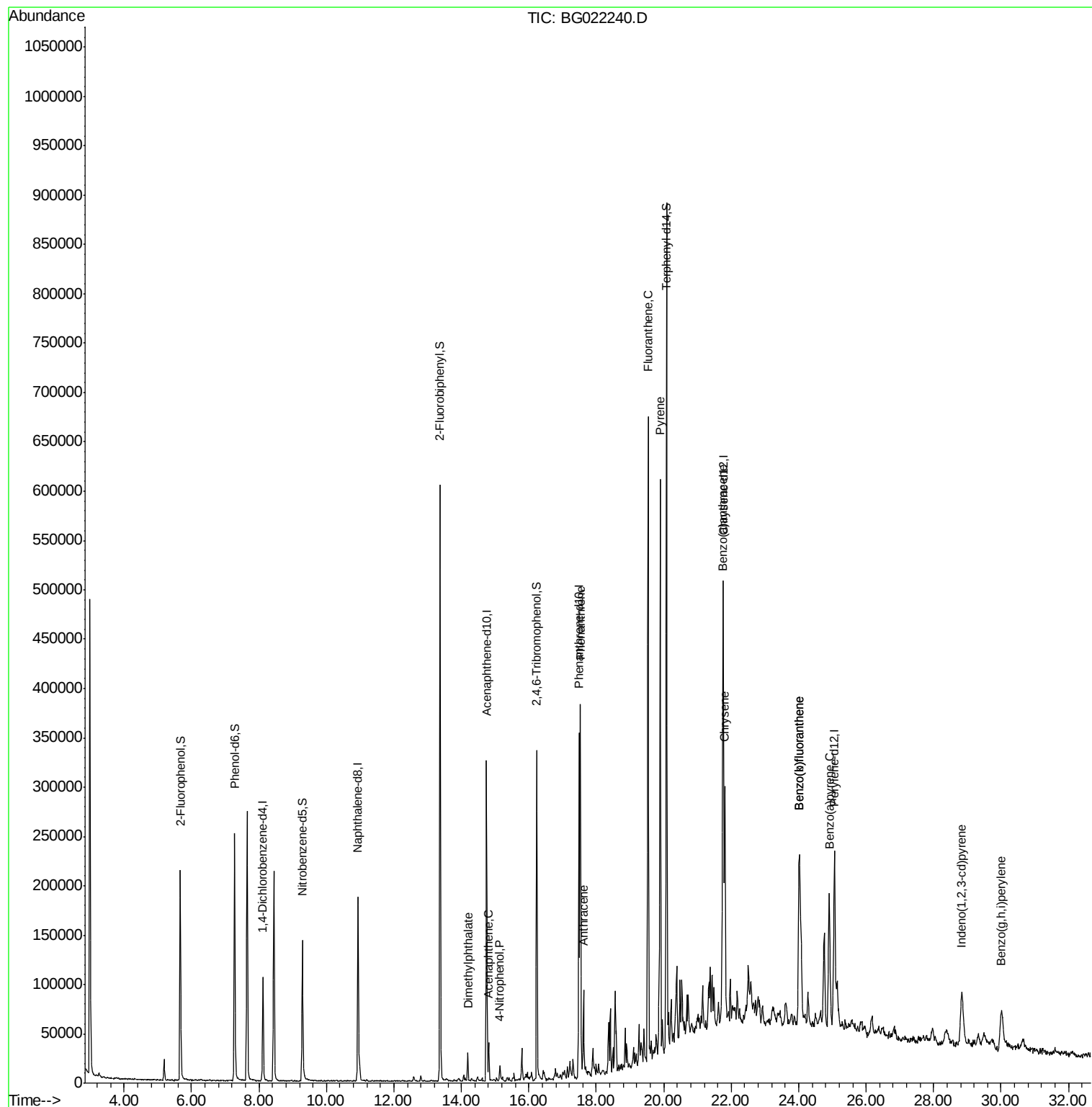
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	39947	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	205188	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	122187	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	239763	20.00	ng	0.00
75) Chrysene-d12	21.77	240	208398	20.00	ng	0.00
86) Perylene-d12	25.06	264	197319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	147929	71.60	ng	0.00
7) Phenol-d6	7.27	99	232960	71.71	ng	0.00
23) Nitrobenzene-d5	9.29	82	122599	41.66	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	75807	54.91	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	358972	44.77	ng	0.00
78) Terphenyl-d14	20.08	244	378635	43.13	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	23999	2.37	ng	98
51) Acenaphthene	14.81	154	16383	2.21	ng	# 93
55) 4-Nitrophenol	15.15	139	4236	2.51	ng	# 5
70) Phenanthrene	17.53	178	267766	20.56	ng	98
71) Anthracene	17.62	178	67945	5.26	ng	99
74) Fluoranthene	19.54	202	430033	28.73	ng	98
77) Pyrene	19.89	202	387657	29.92	ng	99
80) Benzo(a)anthracene	21.74	228	201595	17.25	ng	98
82) Chrysene	21.81	228	176956	15.56	ng	97
85) Indeno(1,2,3-cd)pyrene	28.83	276	97326	7.63	ng	# 87
87) Benzo(b)fluoranthene	24.01	252	298467	25.94	ng	# 95
88) Benzo(k)fluoranthene	24.01	252	298467	26.35	ng	# 95
89) Benzo(a)pyrene	24.91	252	156410	14.21	ng	# 94
91) Benzo(g,h,i)perylene	30.01	276	94934	8.80	ng	# 85

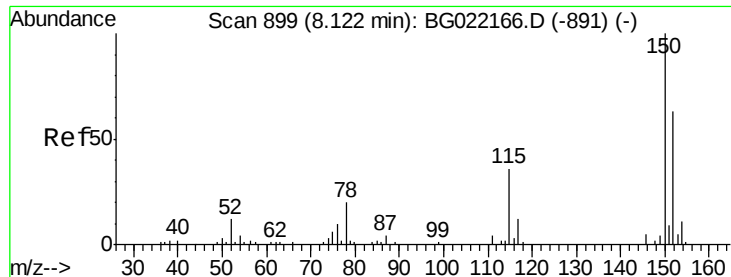
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.01 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

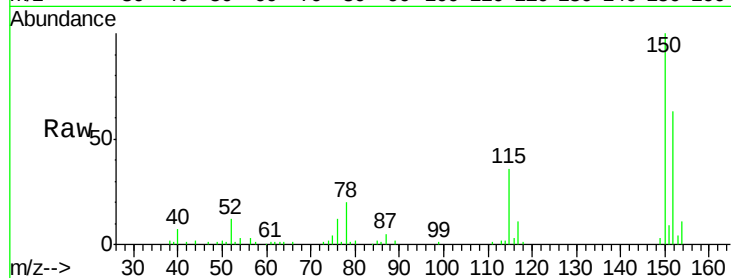
Tgt Ion:152 Resp: 39947

Ion Ratio Lower Upper

152 100

150 159.1 130.1 195.1

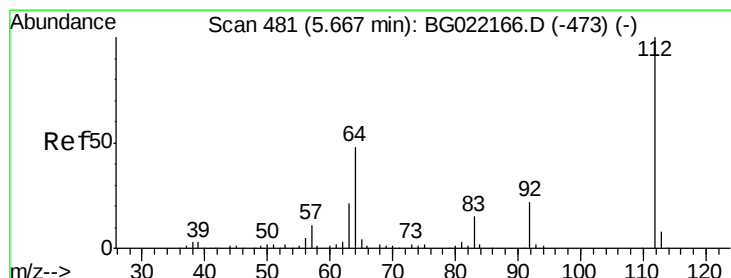
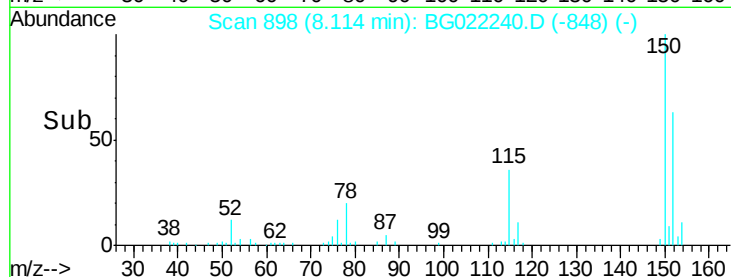
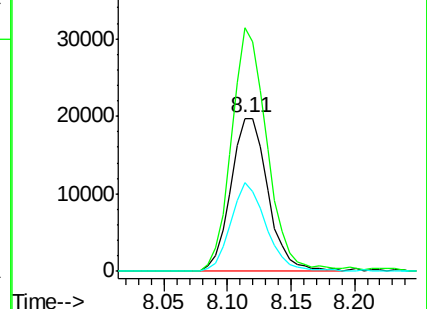
115 58.0 62.2 93.2#



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: 71.60 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

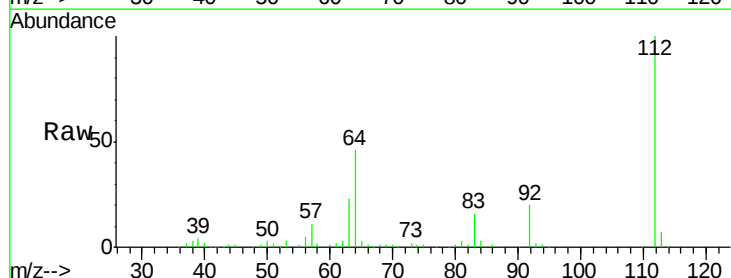
Tgt Ion:112 Resp: 147929

Ion Ratio Lower Upper

112 100

64 46.0 51.1 76.7#

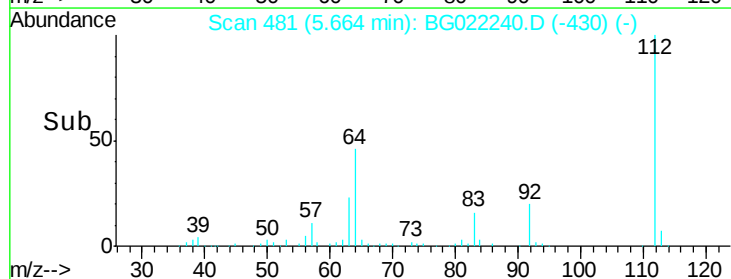
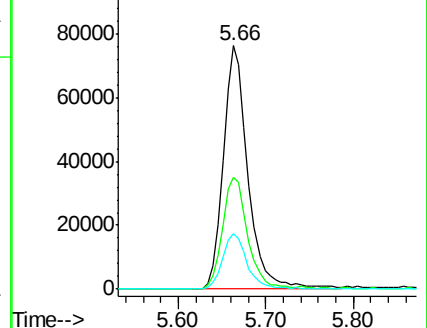
63 22.7 24.6 37.0#

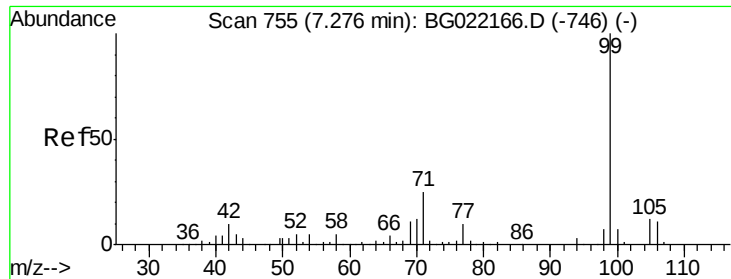


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 71.71 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

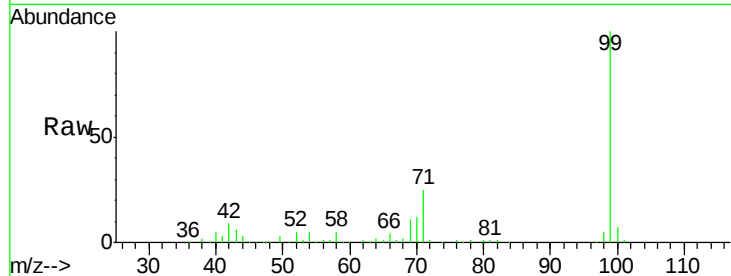
Tgt Ion: 99 Resp: 232960

Ion Ratio Lower Upper

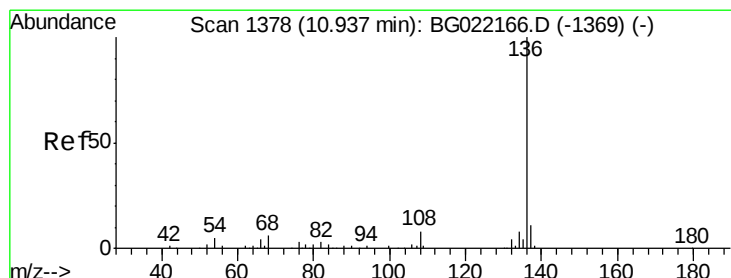
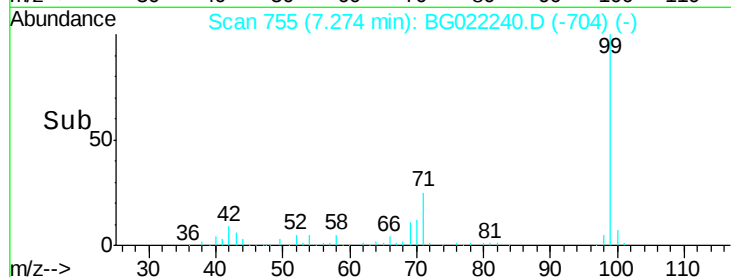
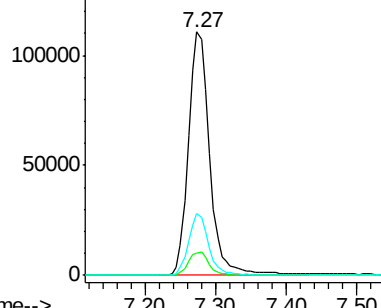
99 100

42 9.2 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: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Tgt Ion: 136 Resp: 205188

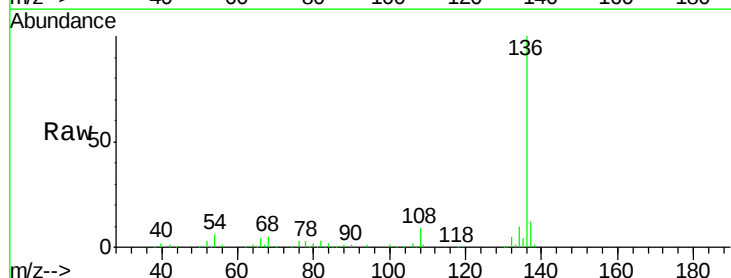
Ion Ratio Lower Upper

136 100

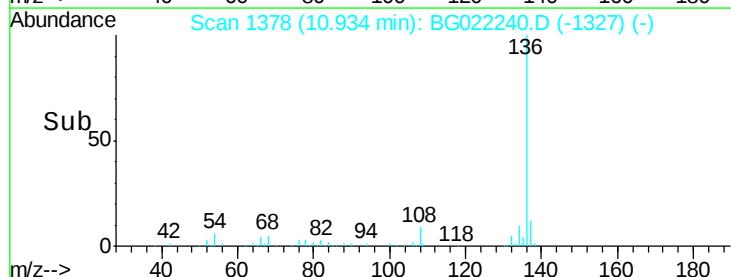
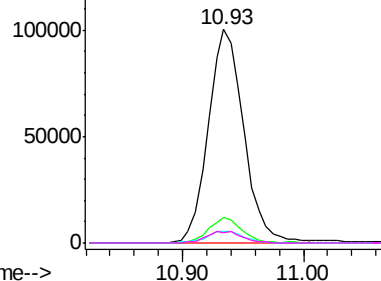
137 11.8 9.0 13.4

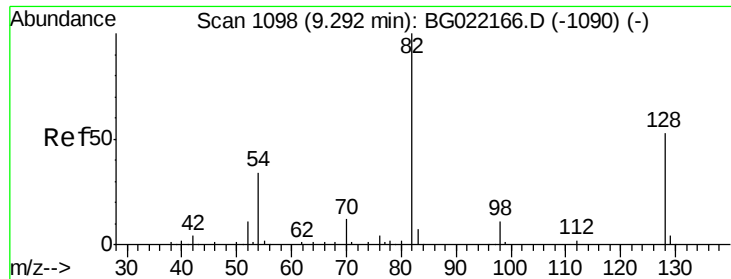
54 5.5 9.6 14.4#

68 5.0 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

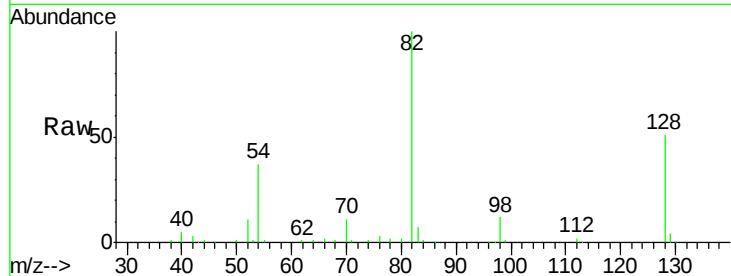




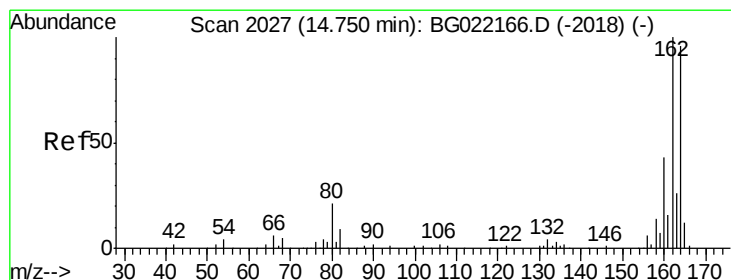
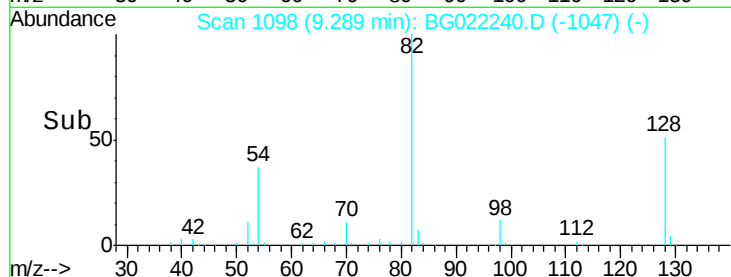
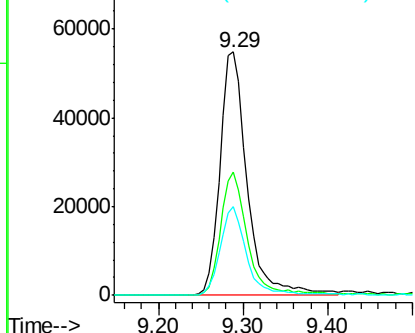
#23
 Nitrobenzene-d5
 Concen: 41.66 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Instrument :
 BNA_G
 ClientSampled :
 DUP-3

Tgt Ion: 82 Resp: 122599
 Ion Ratio Lower Upper
 82 100
 128 50.7 33.4 50.0#
 54 36.5 46.1 69.1#

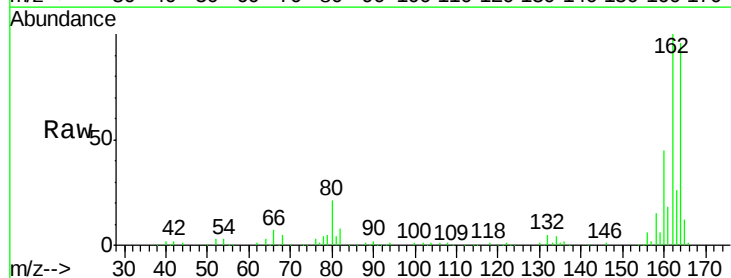


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

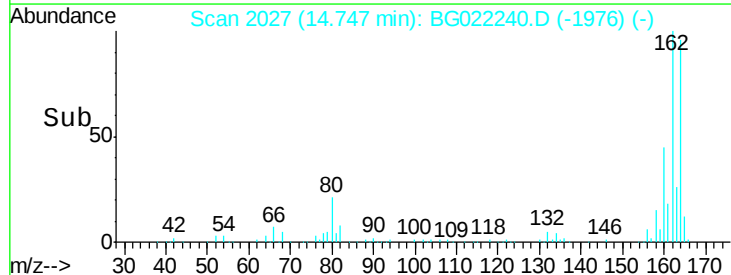
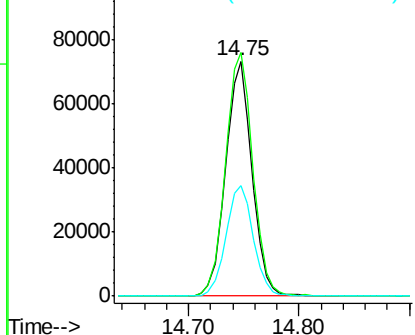


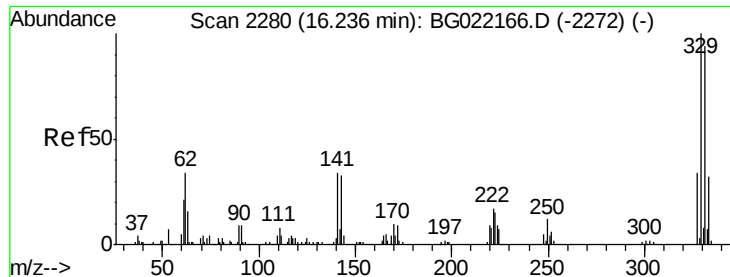
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Tgt Ion: 164 Resp: 122187
 Ion Ratio Lower Upper
 164 100
 162 103.7 78.0 117.0
 160 47.0 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

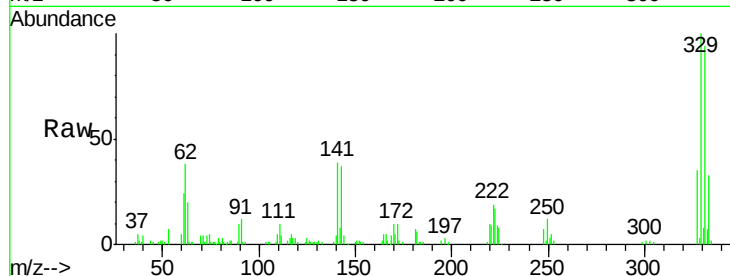




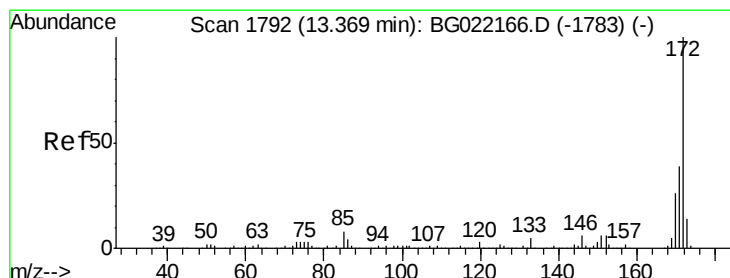
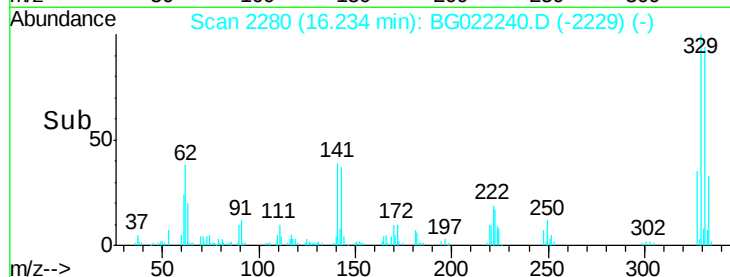
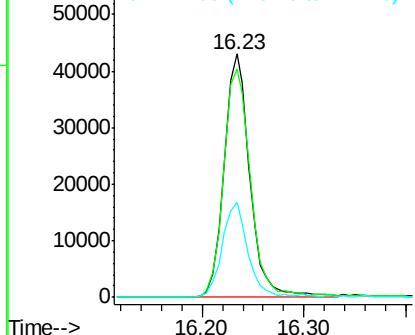
#41
 2,4,6-Tribromophenol
 Concen: 54.91 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Instrument :
 BNA_G
 ClientSampleID :
 DUP-3

Tgt Ion:330 Resp: 75807
 Ion Ratio Lower Upper
 330 100
 332 97.2 78.0 117.0
 141 38.7 33.8 50.8

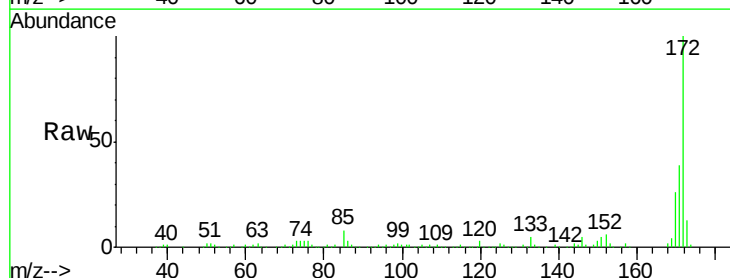


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

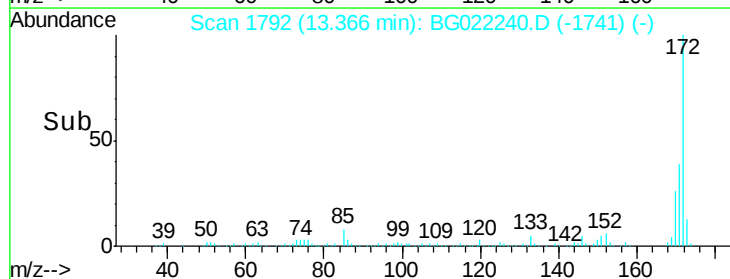
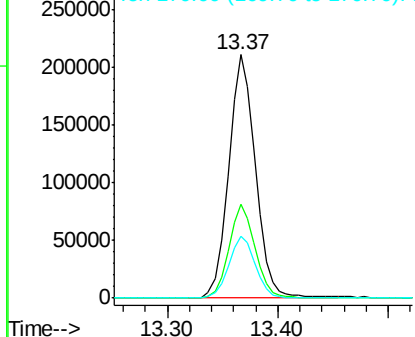


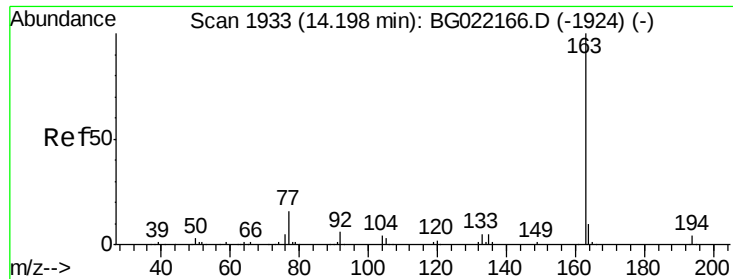
#44
 2-Fluorobiphenyl
 Concen: 44.77 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Tgt Ion:172 Resp: 358972
 Ion Ratio Lower Upper
 172 100
 171 38.7 27.8 41.6
 170 25.6 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: 2.37 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

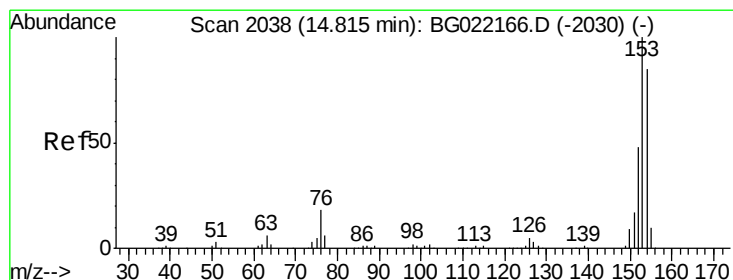
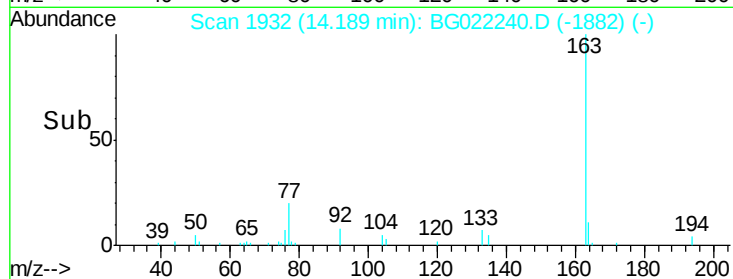
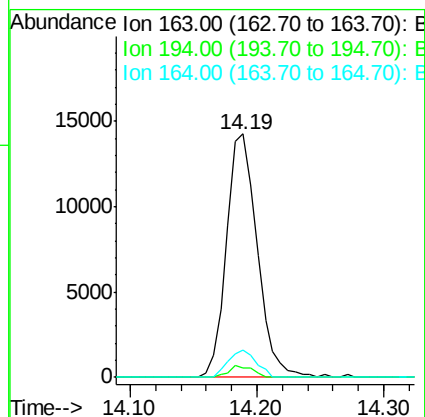
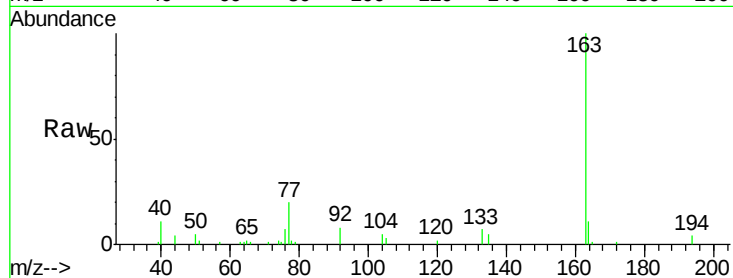
Instrument :

BNA_G

ClientSampleId :

DUP-3

Tgt Ion:163	Resp:	23999
Ion Ratio	Lower	Upper
163	100	
194	3.9	3.0 4.6
164	11.0	8.1 12.1



#51

Acenaphthene

Concen: 2.21 ng

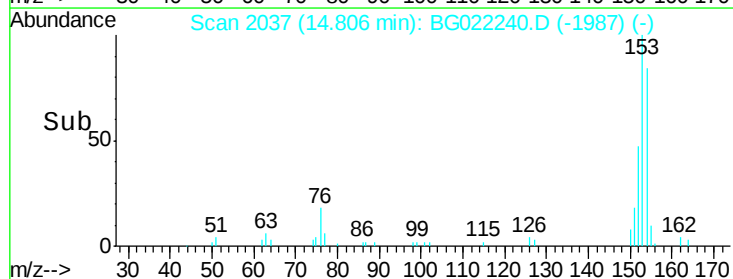
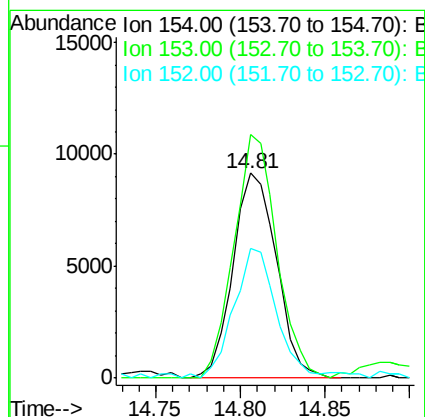
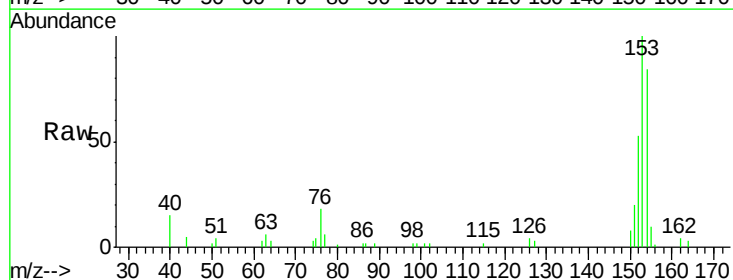
RT: 14.81 min Scan# 2037

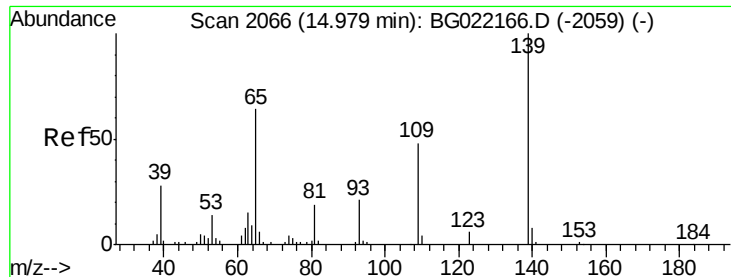
Delta R.T. -0.01 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Tgt Ion:154	Resp:	16383
Ion Ratio	Lower	Upper
154	100	
153	118.8	91.9 137.9
152	63.0	42.0 63.0#





#55

4-Nitrophenol

Concen: 2.51 ng

RT: 15.15 min Scan# 2095

Delta R.T. 0.17 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

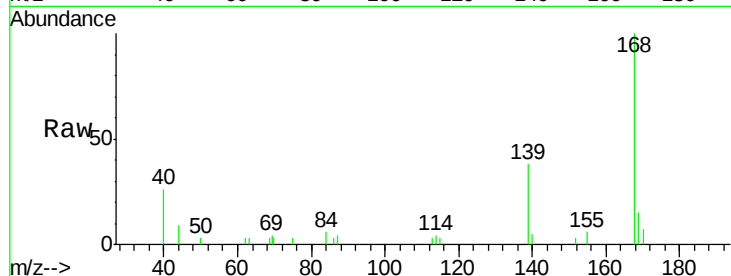
Tgt Ion:139 Resp: 4236

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

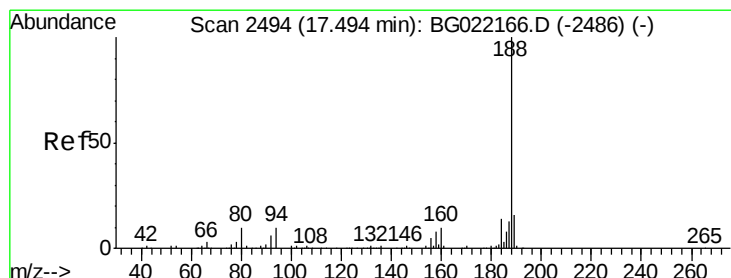
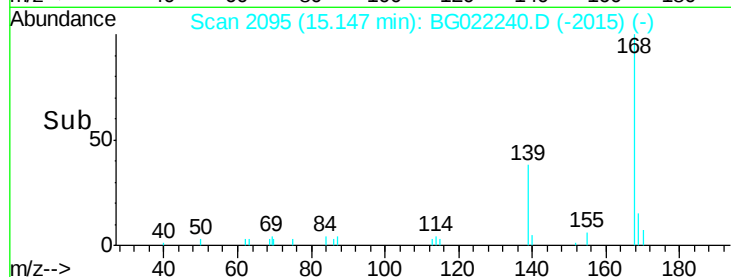
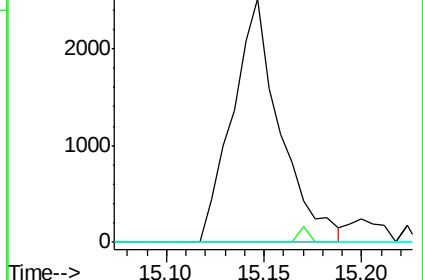
65 0.0 83.2 123.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

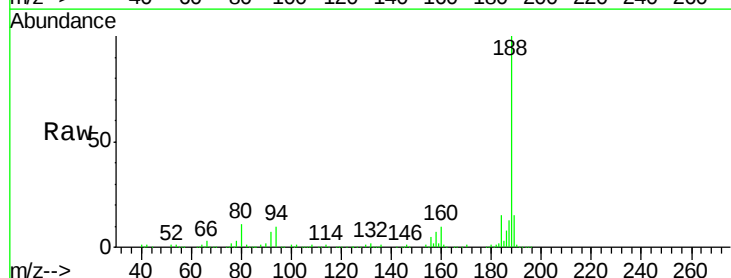
Tgt Ion:188 Resp: 239763

Ion Ratio Lower Upper

188 100

94 10.3 7.5 11.3

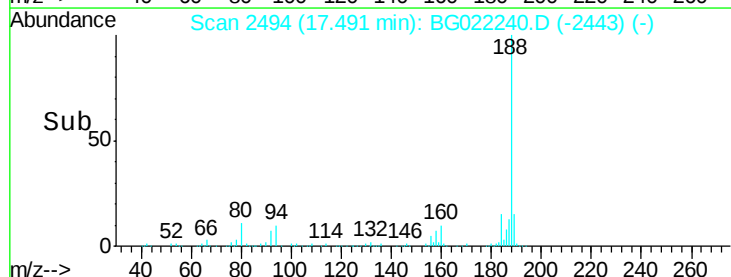
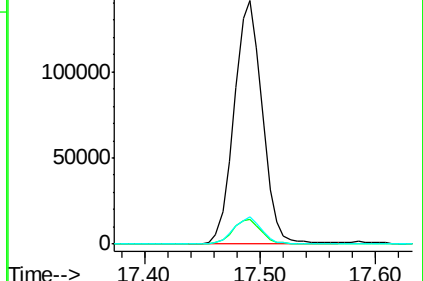
80 11.4 8.6 13.0

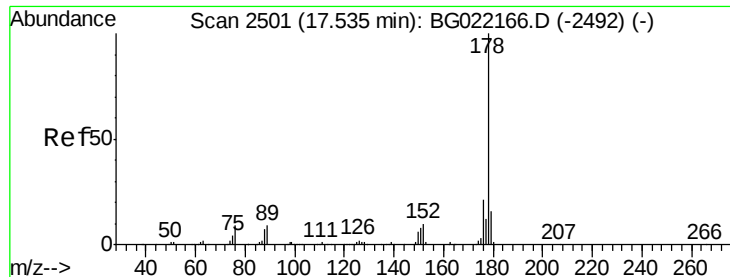


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 20.56 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

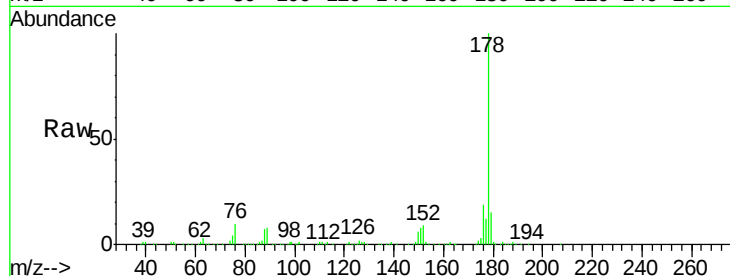
Tgt Ion:178 Resp: 267766

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

179 15.1 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

200000

150000

100000

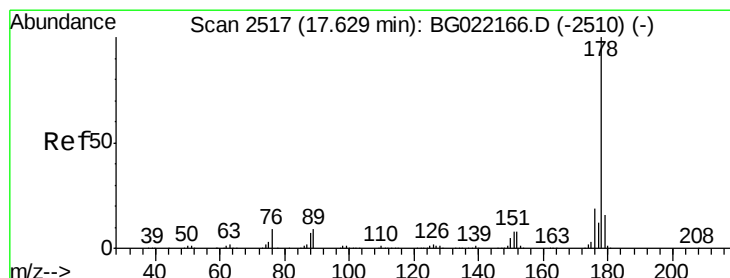
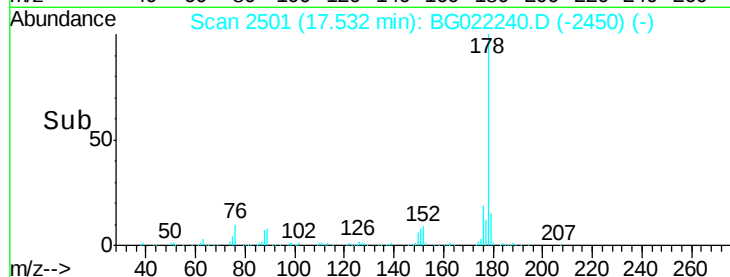
50000

0

17.45 17.50 17.55 17.60

17.53

Time-->



#71

Anthracene

Concen: 5.26 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

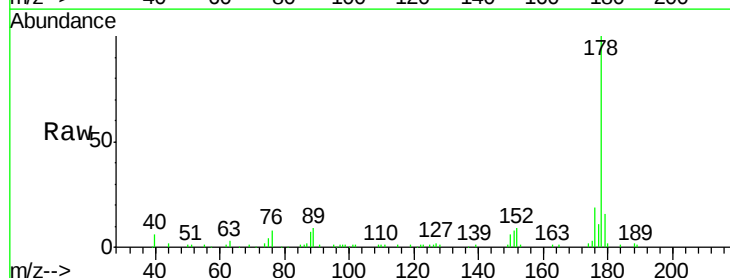
Tgt Ion:178 Resp: 67945

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 16.0 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

200000

150000

100000

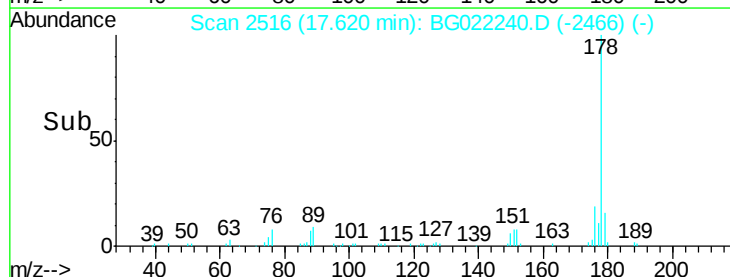
50000

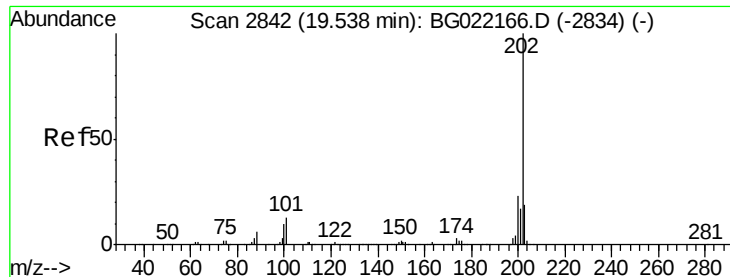
0

17.60 17.70

17.62

Time-->





#74

Fluoranthene

Concen: 28.73 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

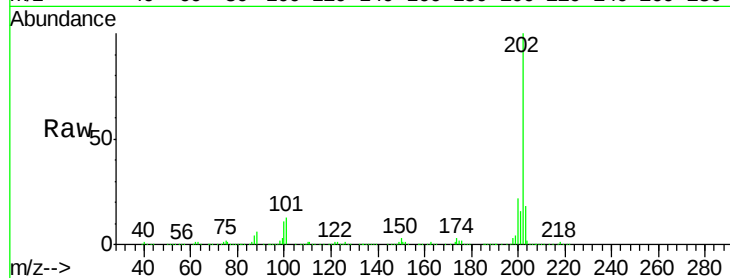
Tgt Ion:202 Resp: 430033

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.0

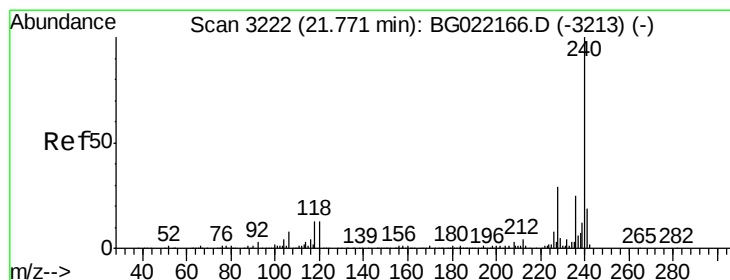
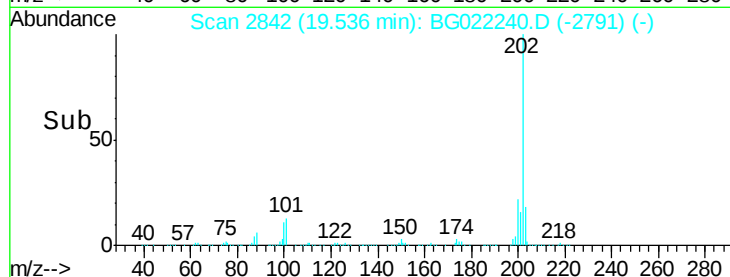
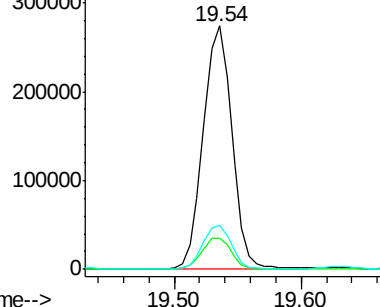
203 18.1 0.0 37.9



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: 21.77 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

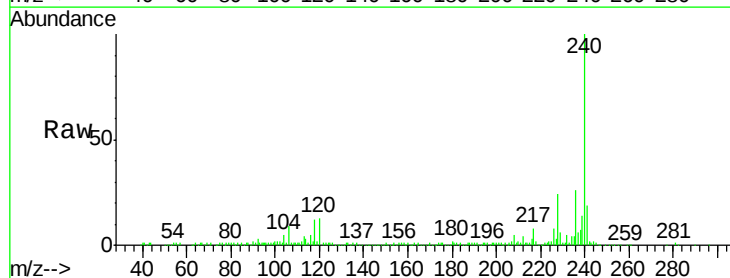
Tgt Ion:240 Resp: 208398

Ion Ratio Lower Upper

240 100

120 12.7 8.4 12.6#

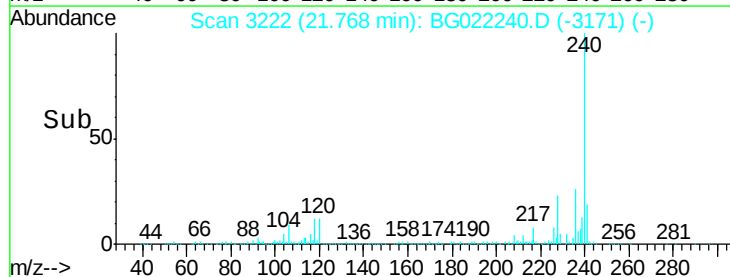
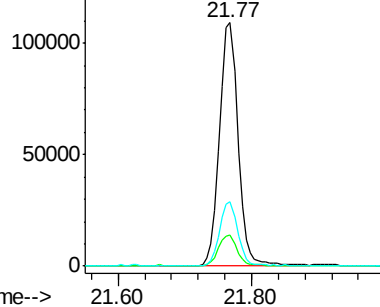
236 26.4 19.6 29.4

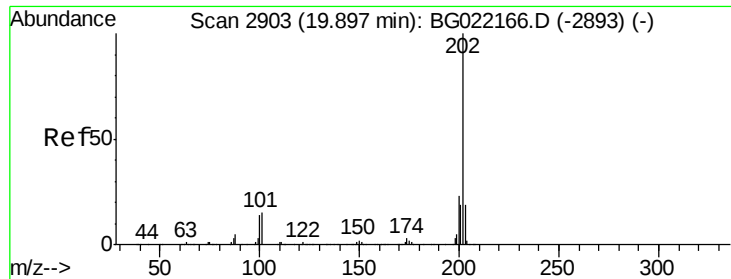


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

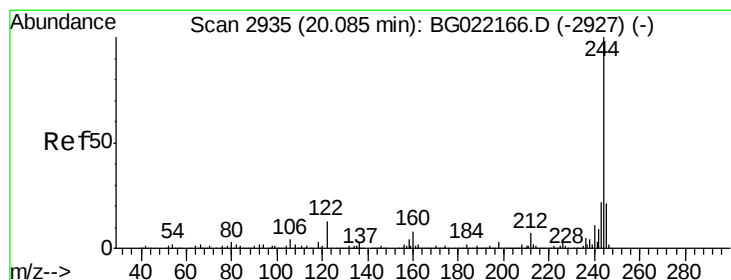
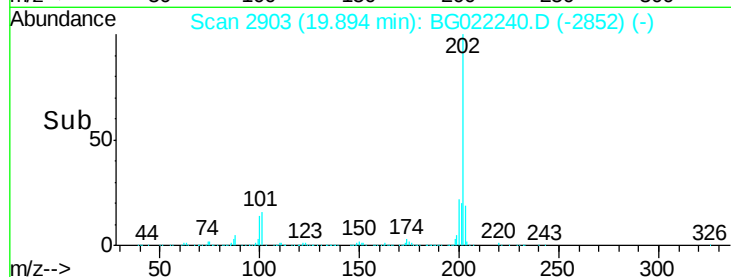
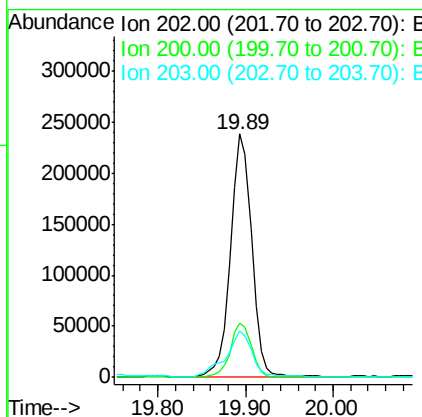
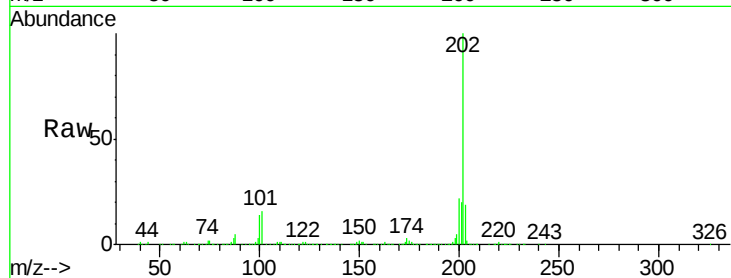




#77
 Pyrene
 Concen: 29.92 ng
 RT: 19.89 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

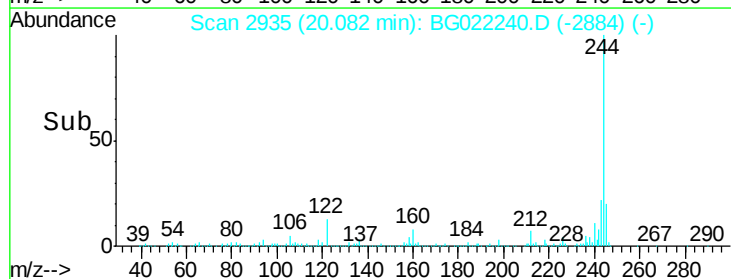
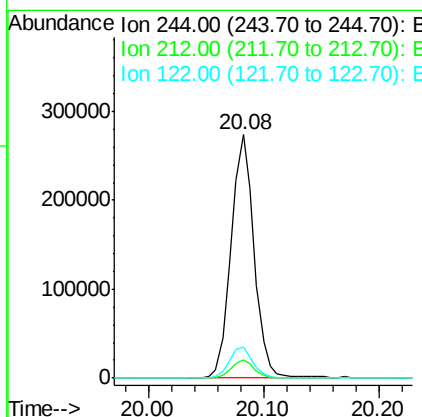
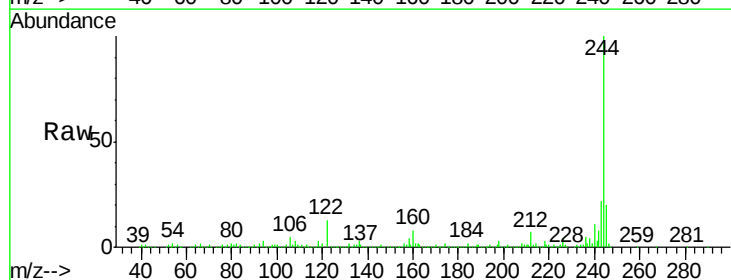
Instrument :
 BNA_G
 ClientSampleId :
 DUP-3

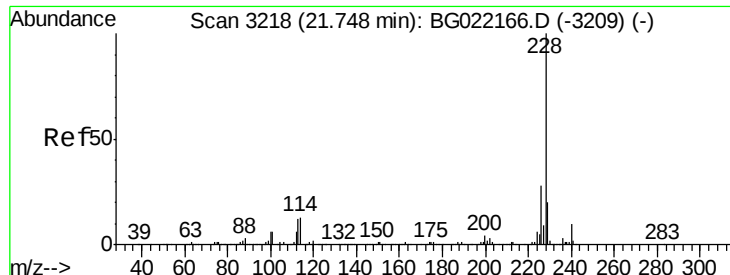
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.2	27.2
203	18.9	15.0	22.4



#78
 Terphenyl-d14
 Concen: 43.13 ng
 RT: 20.08 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	12.9	8.6	12.8#





#80

Benzo(a)anthracene

Concen: 17.25 ng

RT: 21.74 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

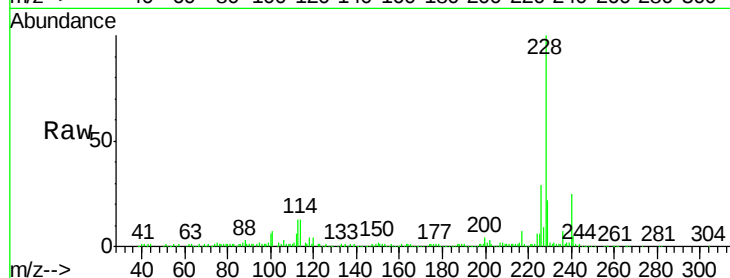
Tgt Ion:228 Resp: 201595

Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

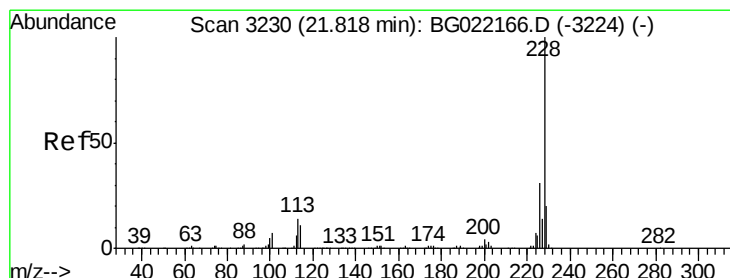
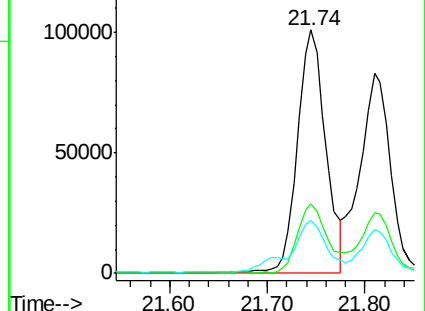
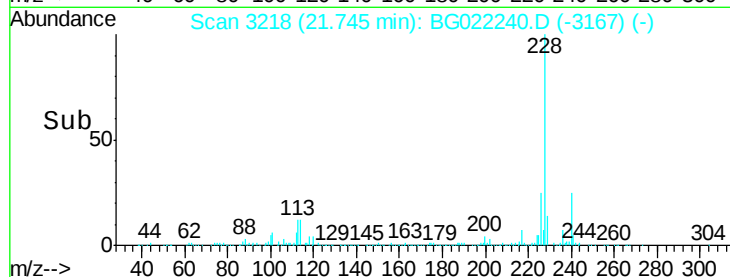
229 21.6 16.1 24.1



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: 15.56 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

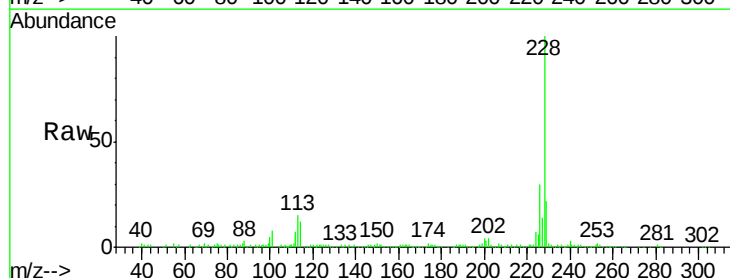
Tgt Ion:228 Resp: 176956

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

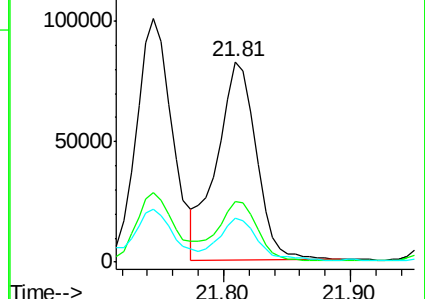
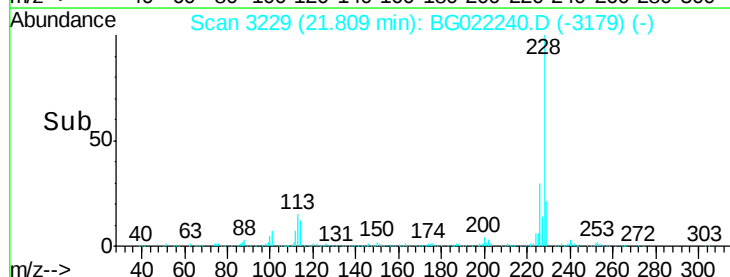
229 21.6 15.9 23.9

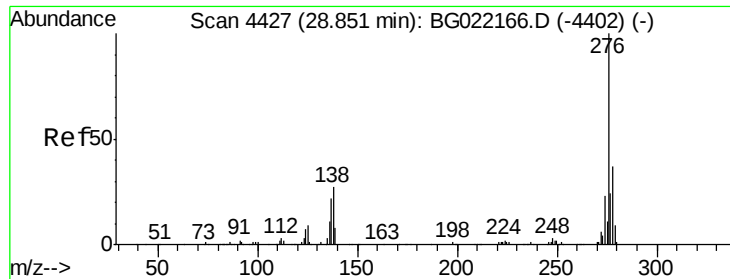


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

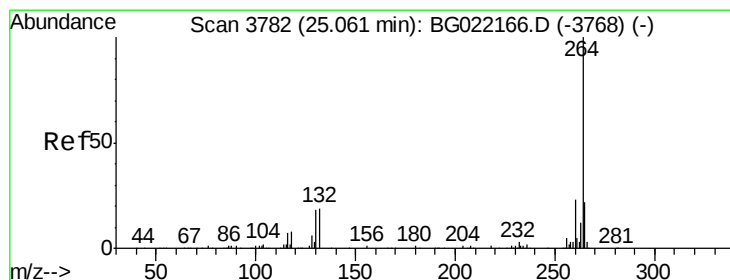
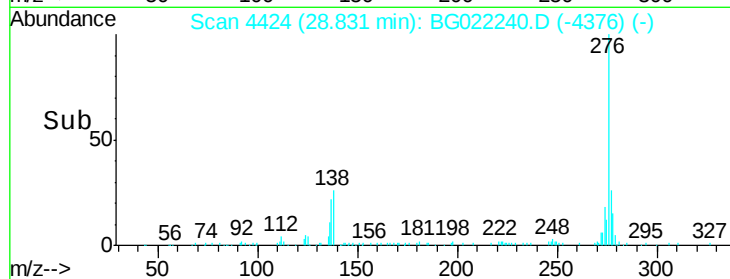
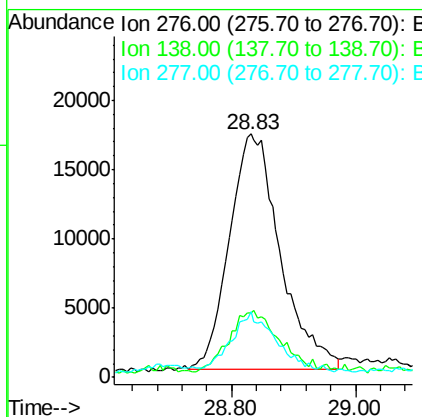
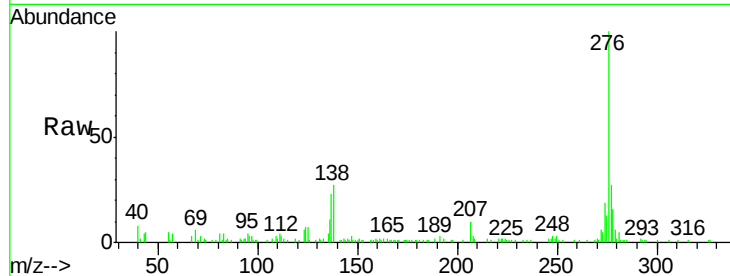




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.63 ng
 RT: 28.83 min Scan# 4424
 Delta R.T. -0.02 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

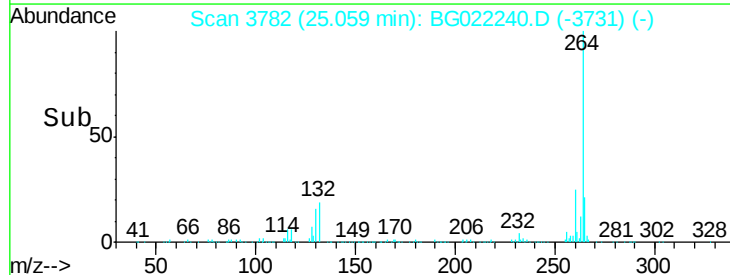
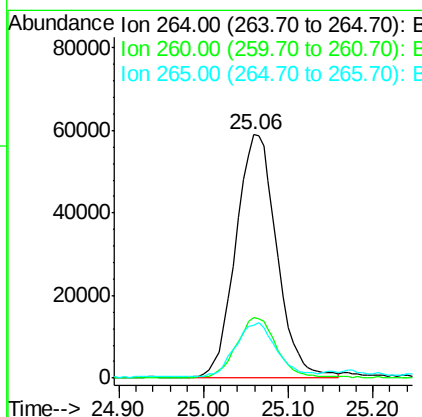
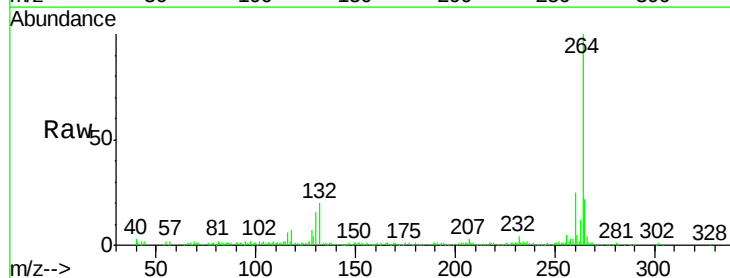
Instrument :
 BNA_G
 ClientSampleId :
 DUP-3

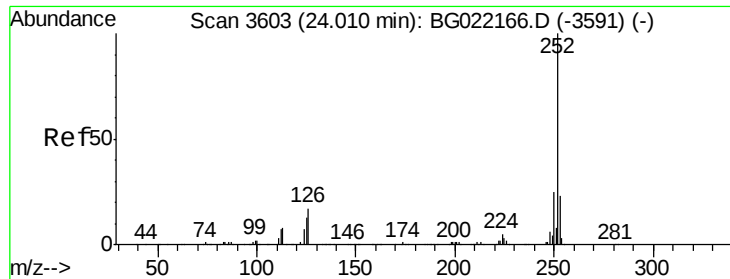
Tgt Ion:276 Resp: 97326
 Ion Ratio Lower Upper
 276 100
 138 25.0 14.0 21.0#
 277 20.2 20.6 30.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.06 min Scan# 3782
 Delta R.T. -0.00 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Tgt Ion:264 Resp: 197319
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.2 30.4
 265 21.6 17.8 26.8

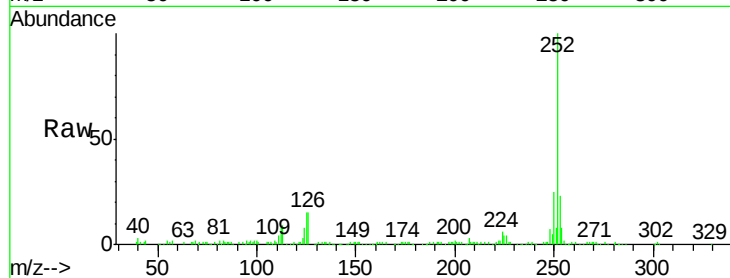




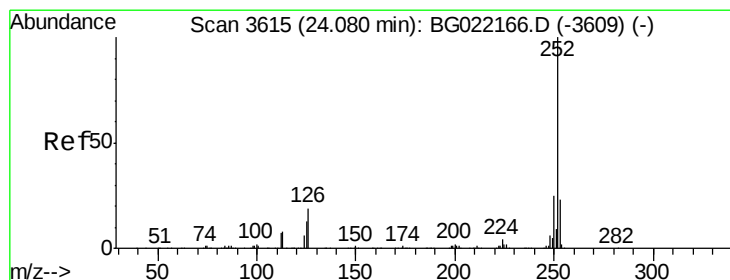
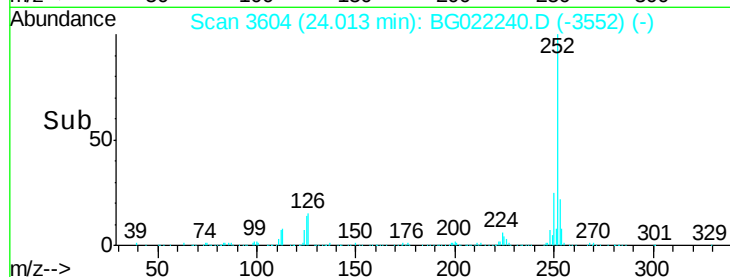
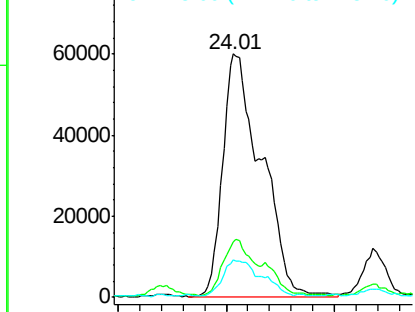
#87
Benzo(b)fluoranthene
Concen: 25.94 ng
RT: 24.01 min Scan# 3604
Delta R.T. 0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

Instrument :
BNA_G
ClientSampleId :
DUP-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.3	8.6	13.0

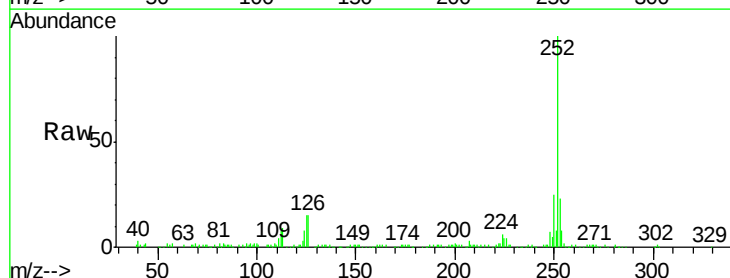


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

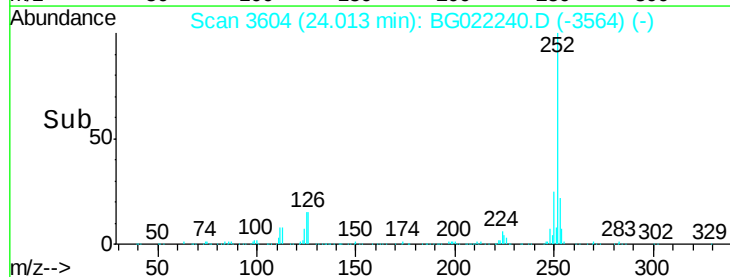
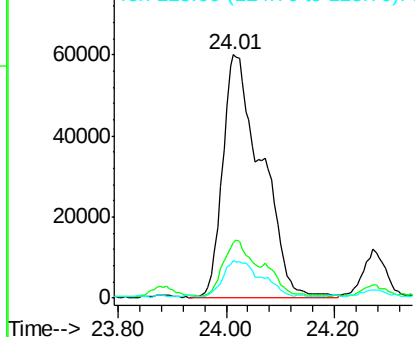


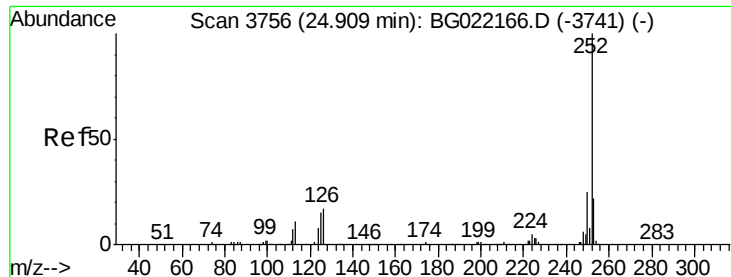
#88
Benzo(k)fluoranthene
Concen: 26.35 ng
RT: 24.01 min Scan# 3604
Delta R.T. -0.07 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	15.3	8.3	12.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.21 ng

RT: 24.91 min Scan# 3756

Delta R.T. -0.00 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

Instrument :

BNA_G

ClientSampleId :

DUP-3

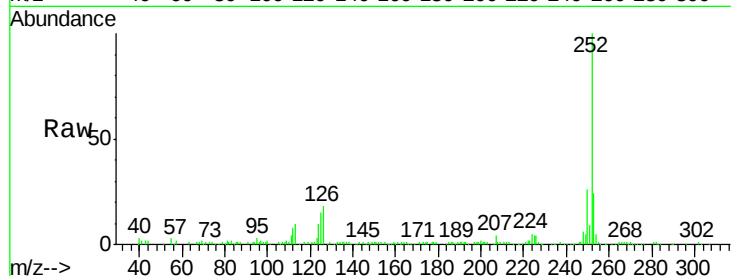
Tgt Ion:252 Resp: 156410

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

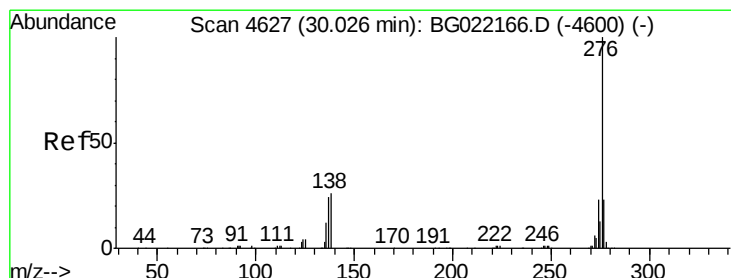
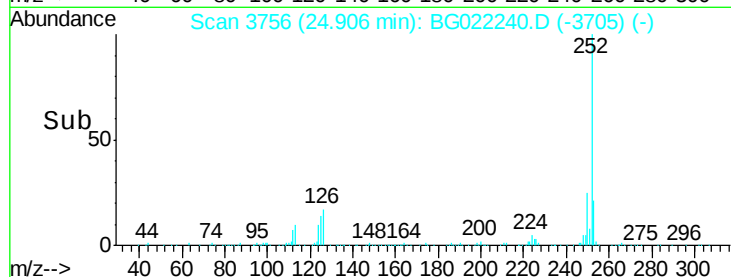
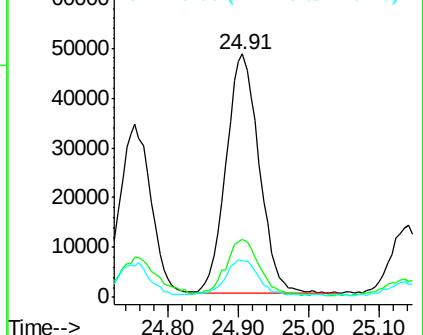
125 14.8 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.80 ng

RT: 30.01 min Scan# 4624

Delta R.T. -0.02 min

Lab File: BG022240.D

Acq: 8 Jun 2016 18:10

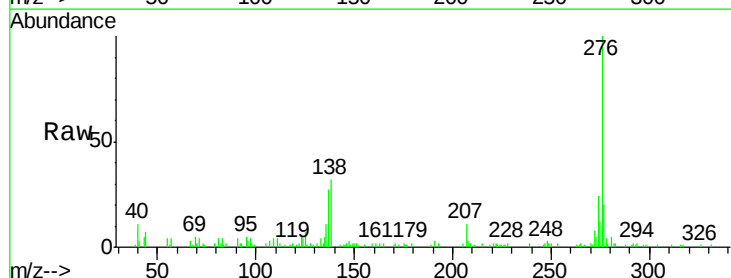
Tgt Ion:276 Resp: 94934

Ion Ratio Lower Upper

276 100

277 19.6 19.4 29.2

138 31.7 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

