

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 06:47:17 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

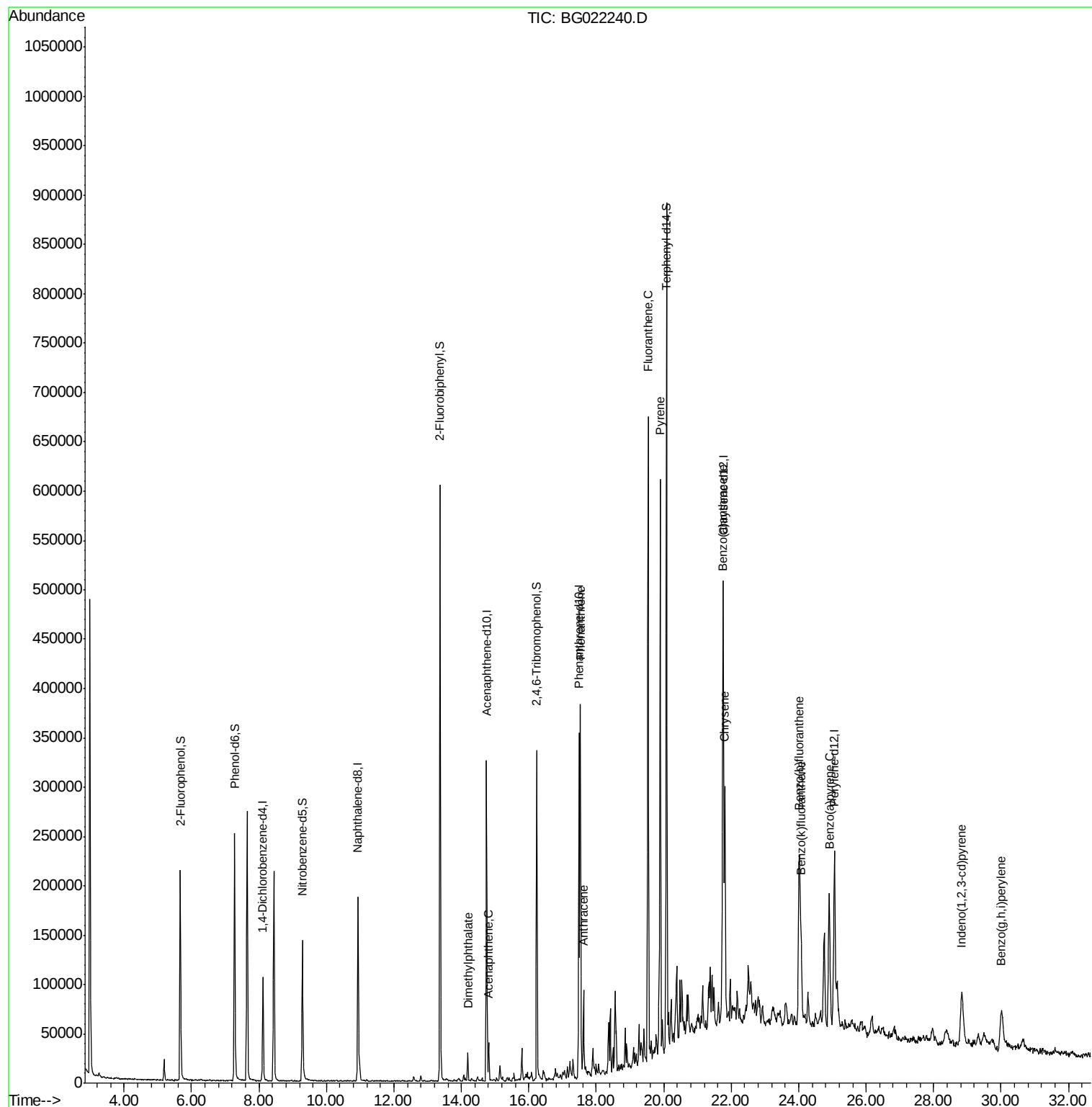
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	39947	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	205188	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	122187	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	239763	20.00	ng	0.00
75) Chrysene-d12	21.77	240	208398	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
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	212014m	18.42	ng	
88) Benzo(k)fluoranthene	24.07	252	88125m	7.78	ng	
89) Benzo(a)pyrene	24.91	252	156410	14.21	ng	# 94
91) Benzo(a,h,i)perylene	30.01	276	94934	8.80	ng	# 85

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

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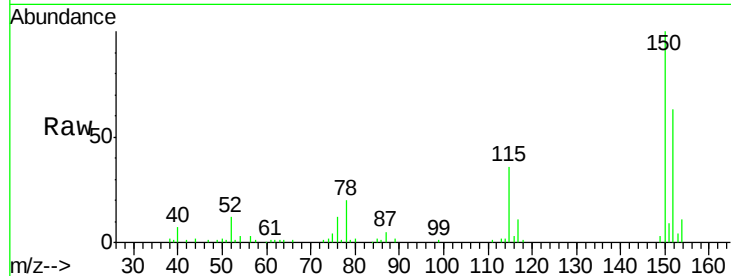


#1

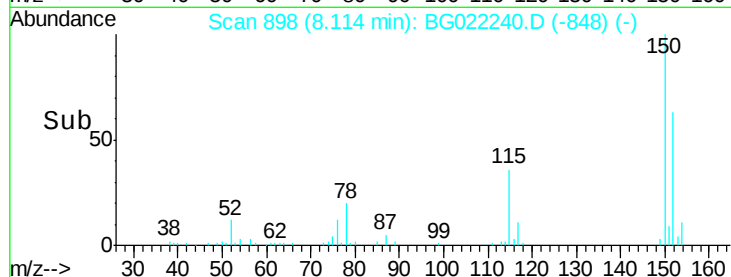
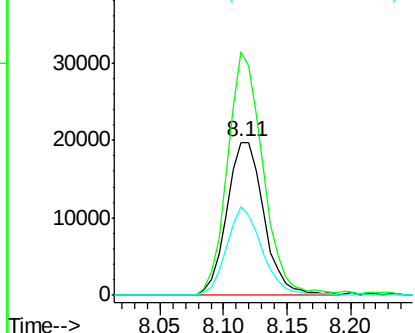
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 898
Delta R.T. -0.01 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

Instrument :
BNA_G
ClientSampleId :
DUP-3

Tot Ion:152 Resp: 39947
Ion Ratio Lower Upper
152 100
150 159.1 130.1 195.1
115 58.0 62.2 93.2#



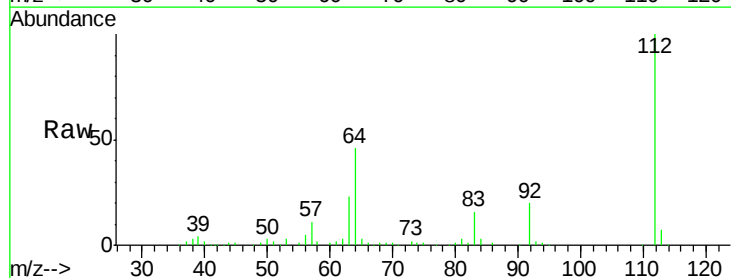
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



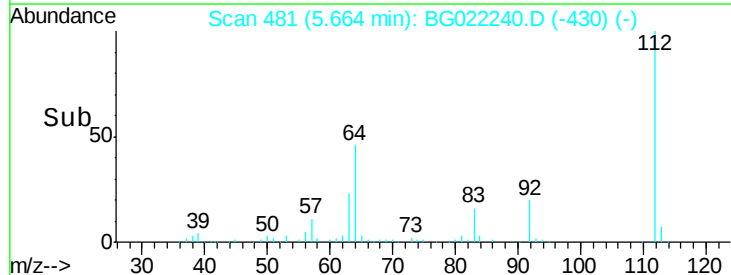
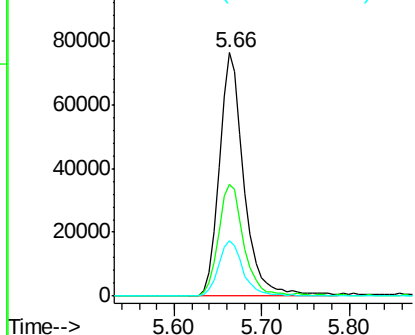
#5

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

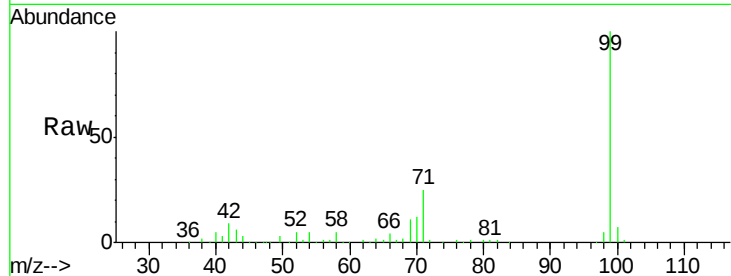
Tot Ion: 99 Resp: 232960

Ion Ratio Lower Upper

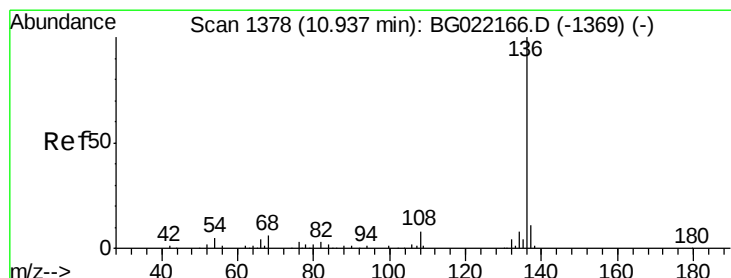
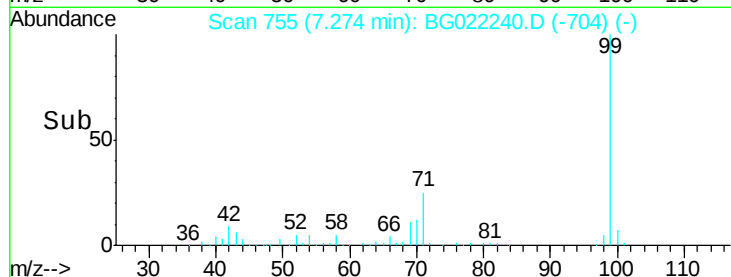
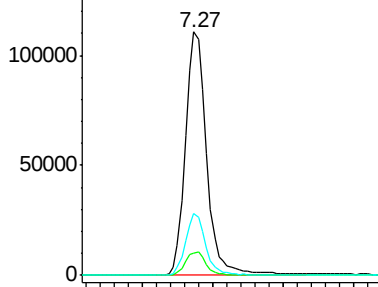
99 100

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

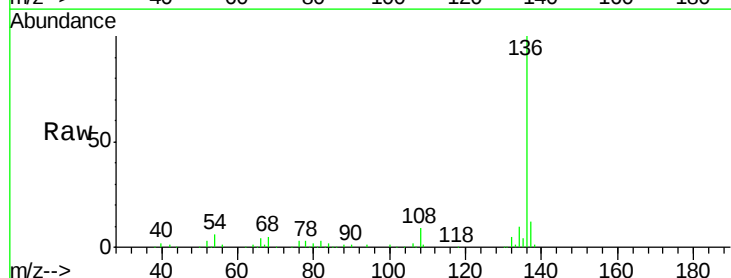
Ion Ratio Lower Upper

136 100

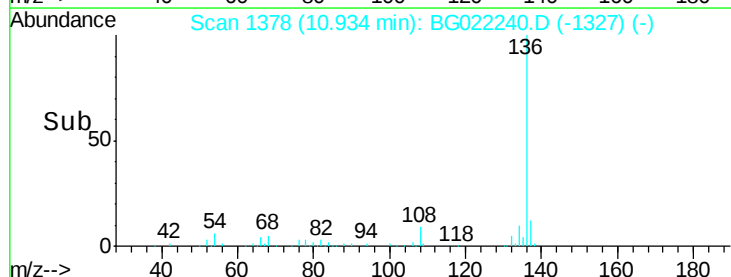
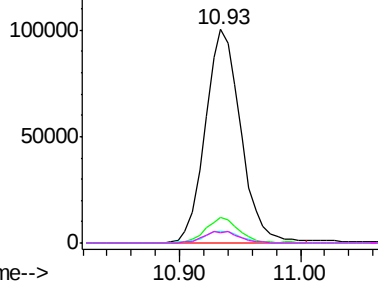
137 11.8 9.0 13.4

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

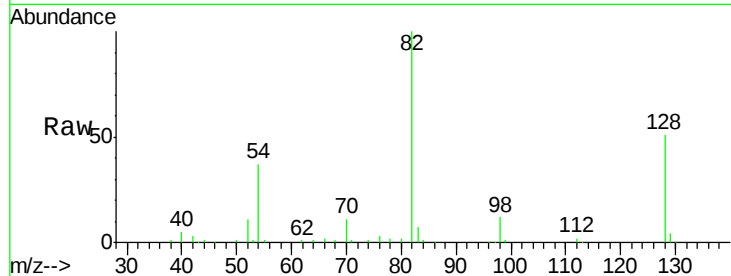




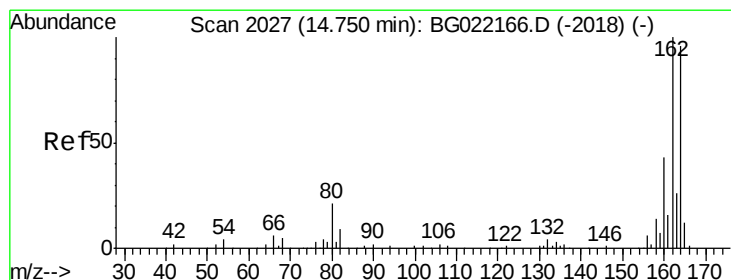
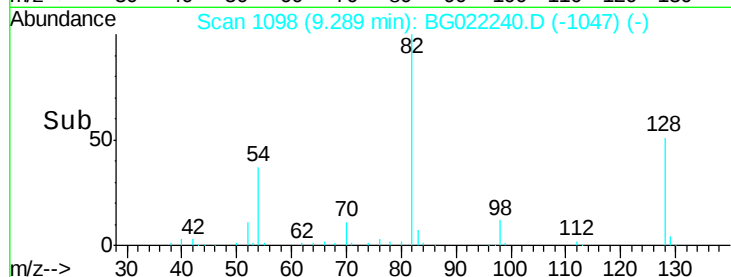
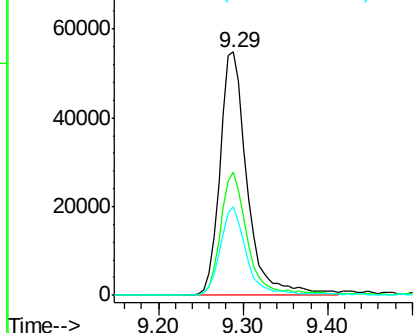
#23
Nitrobenzene-d5
Concen: 41.66 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

Instrument :
BNA_G
ClientSampled :
DUP-3

Tot Ion	82	Resp	122599
Ion Ratio	100		
Lower	33.4		
Upper	50.0		
54	36.5	46.1	69.1

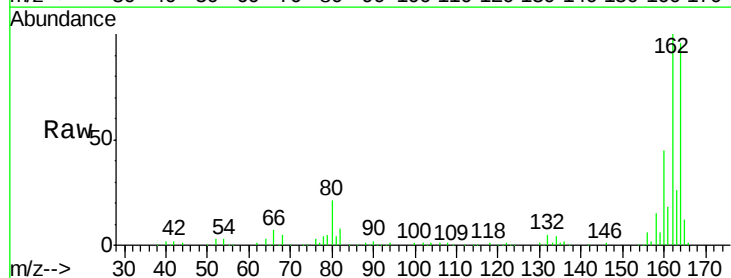


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

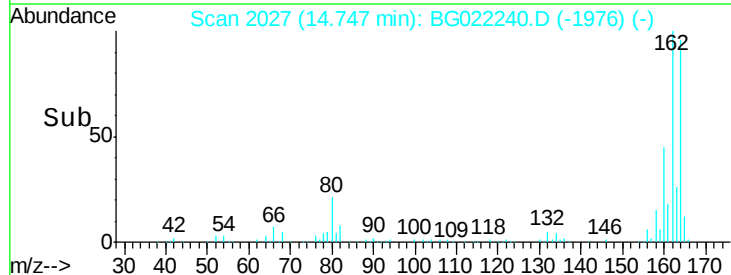
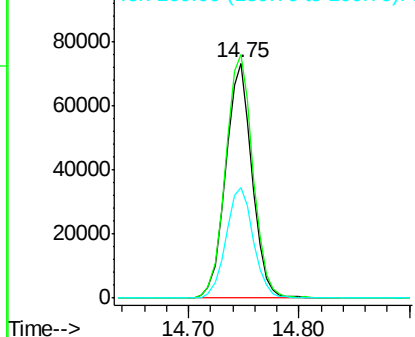


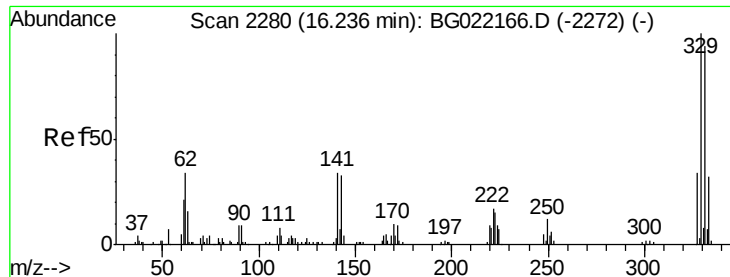
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

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

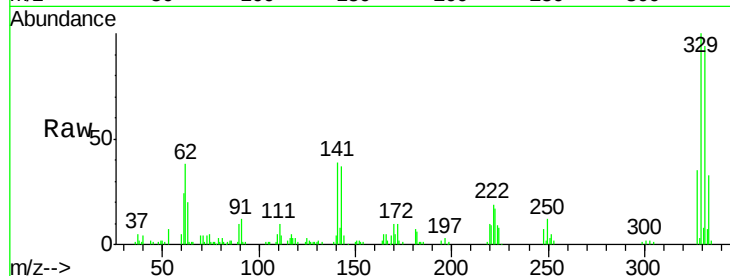
Tot Ion:330 Resp: 75807

Ion Ratio Lower Upper

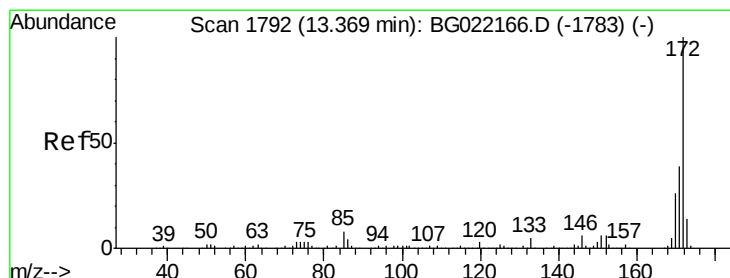
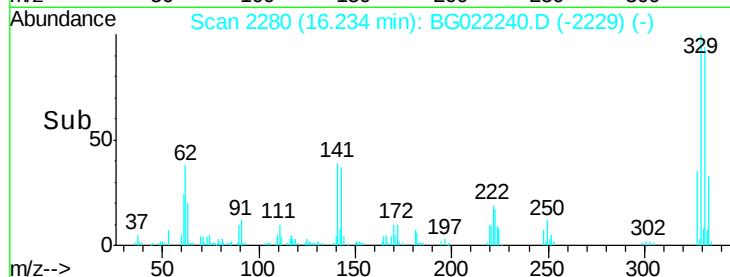
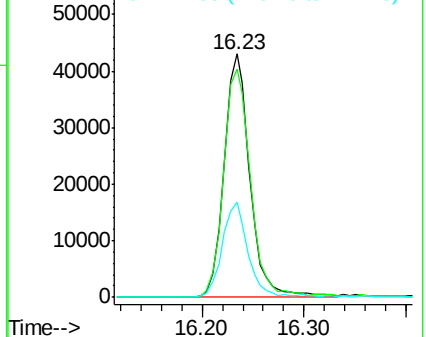
330 100

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

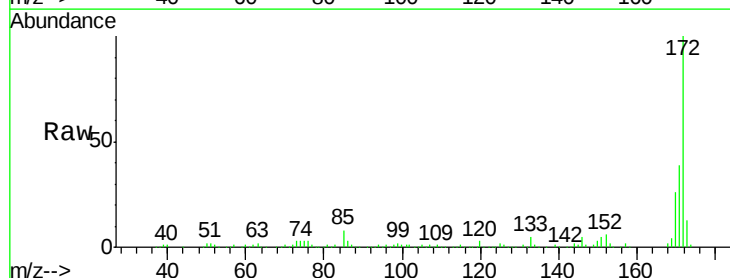
Tgt Ion:172 Resp: 358972

Ion Ratio Lower Upper

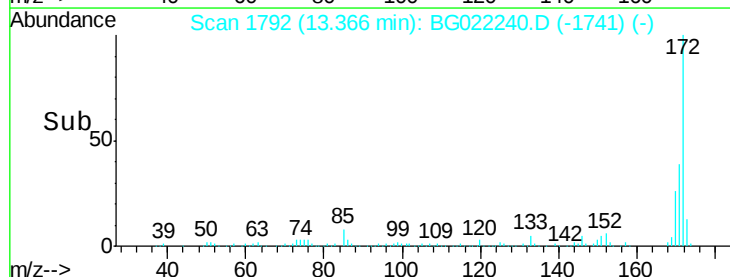
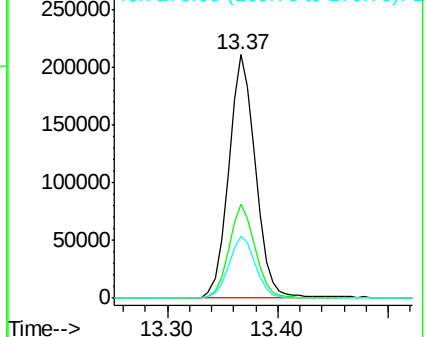
172 100

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

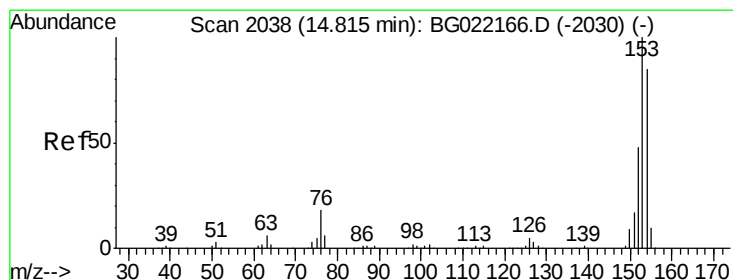
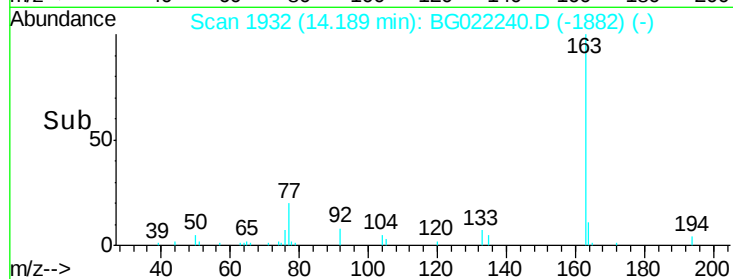
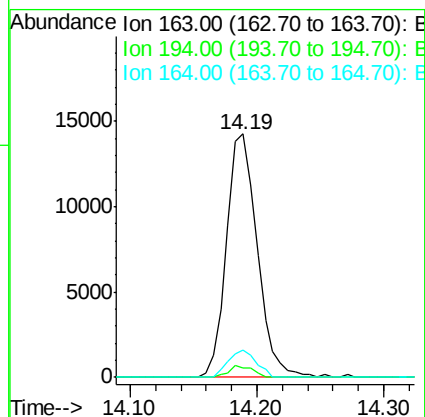
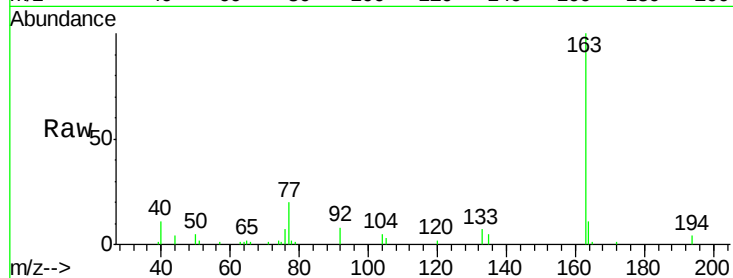




#49
Dimethylphthalate
Concen: 2.37 ng
RT: 14.19 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

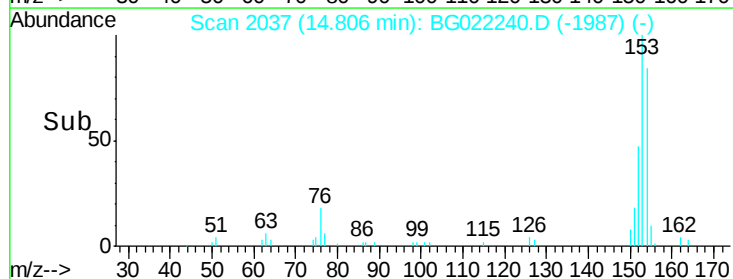
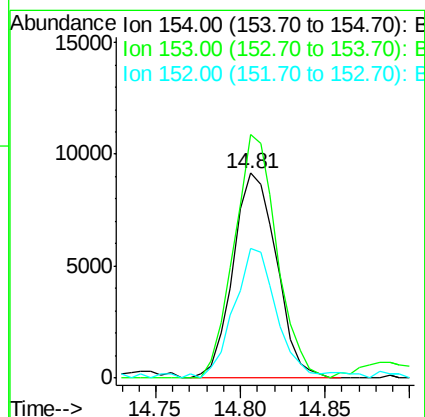
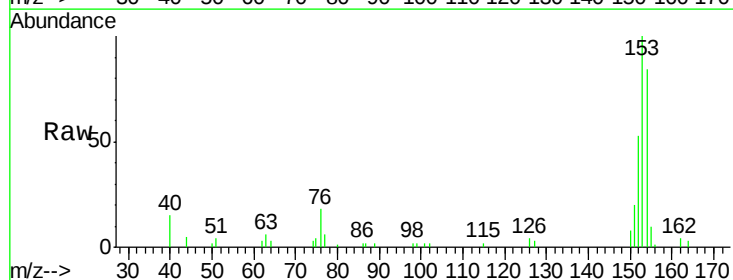
Instrument :
BNA_G
ClientSampleId :
DUP-3

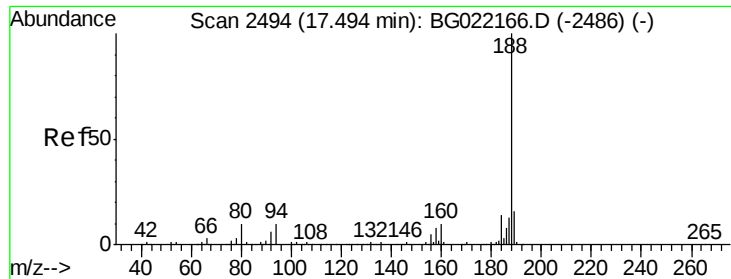
Tot Ion:163 Resp: 23999
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 11.0 8.1 12.1



#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#

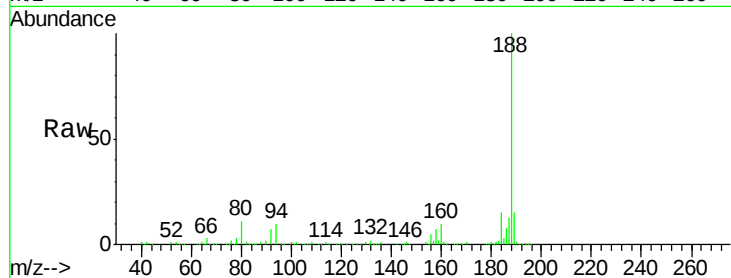




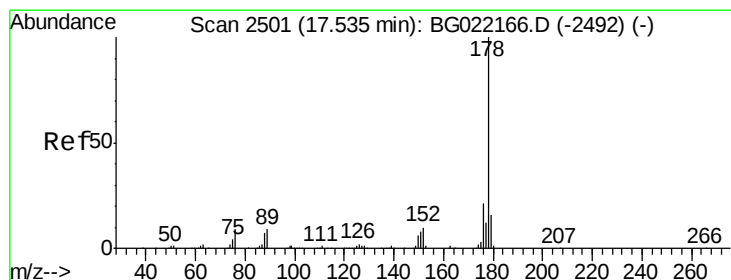
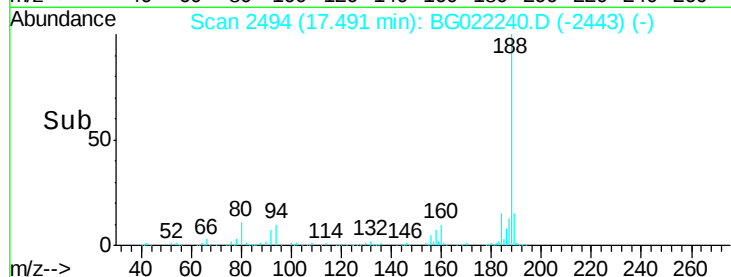
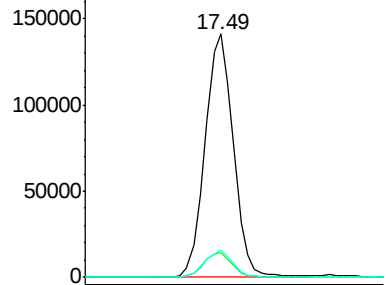
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

Instrument :
BNA_G
ClientSampleId :
DUP-3

Tot Ion:188 Resp: 239763
Ion Ratio Lower Upper
188 100
94 10.3 7.5 11.3
80 11.4 8.6 13.0

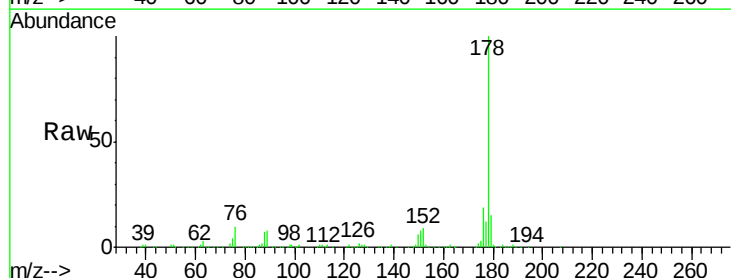


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

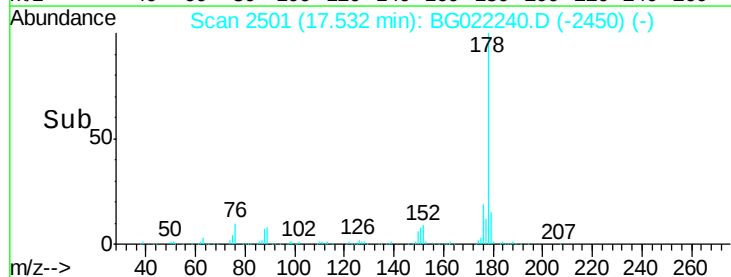
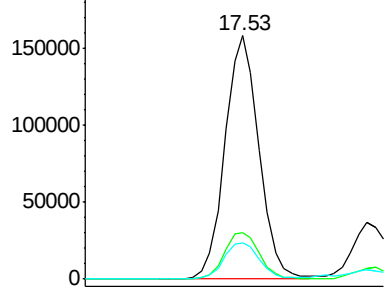


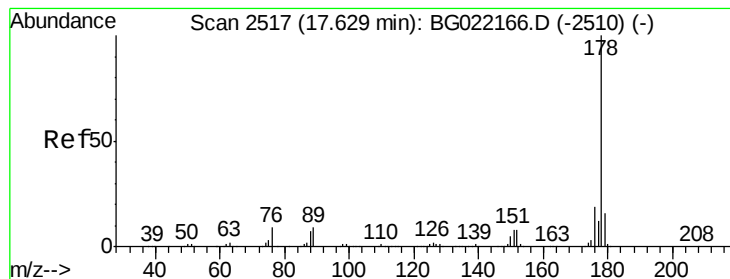
#70
Phenanthrene
Concen: 20.56 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

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





#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

Instrument :

BNA_G

ClientSampleId :

DUP-3

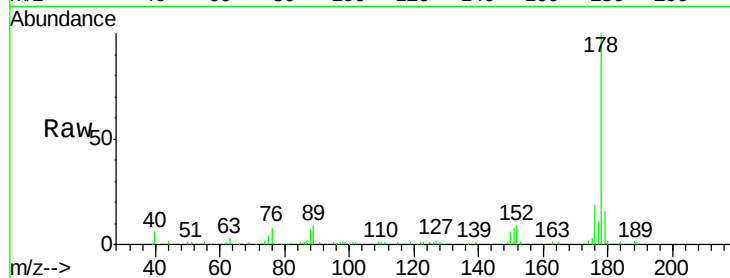
Tot Ion:178 Resp: 67945

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

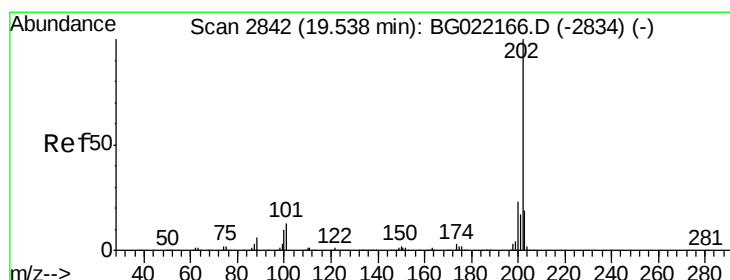
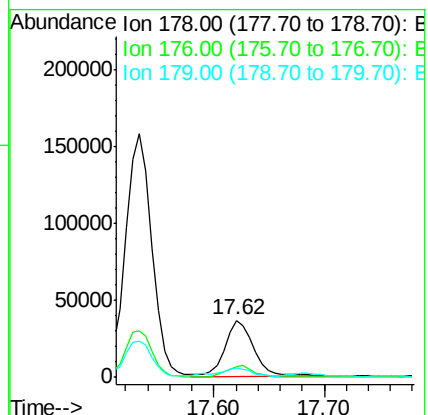
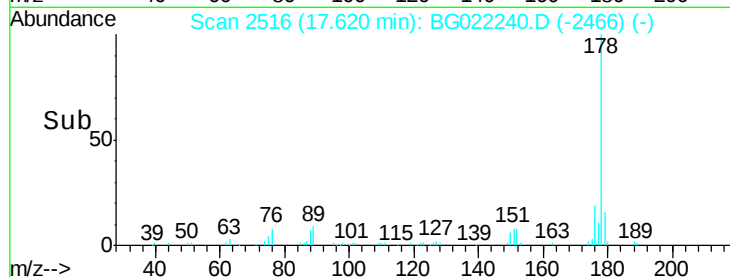
179 16.0 12.2 18.4



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



#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

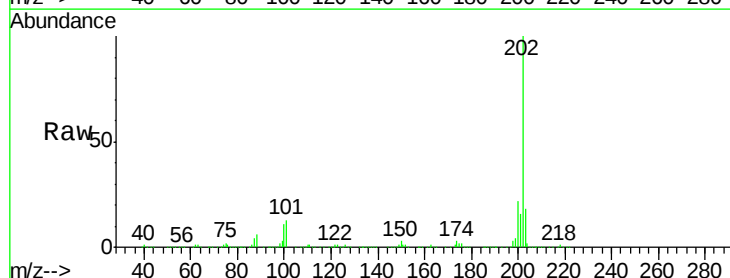
Tgt Ion:202 Resp: 430033

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.0

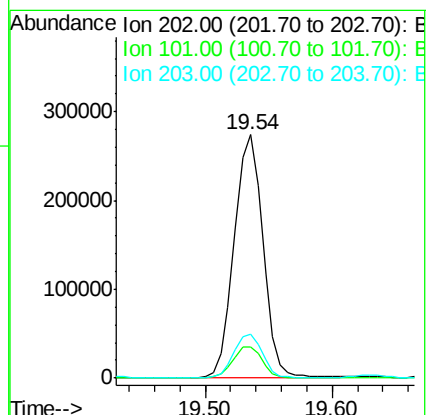
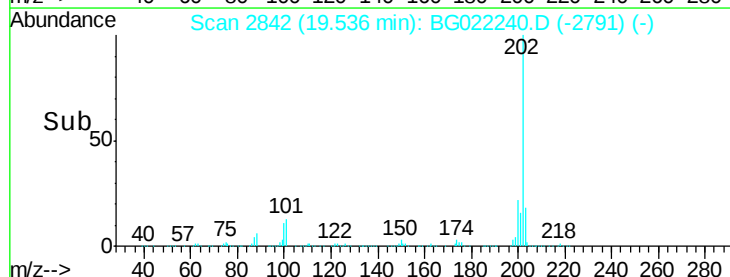
203 18.1 0.0 37.9

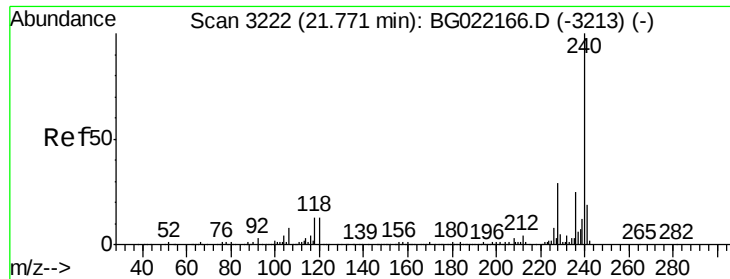


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

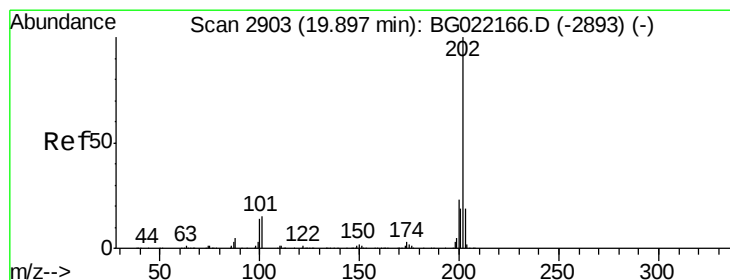
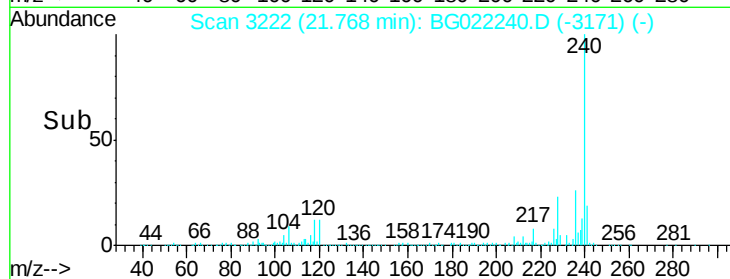
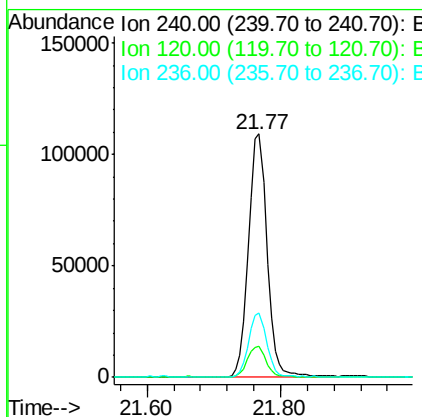
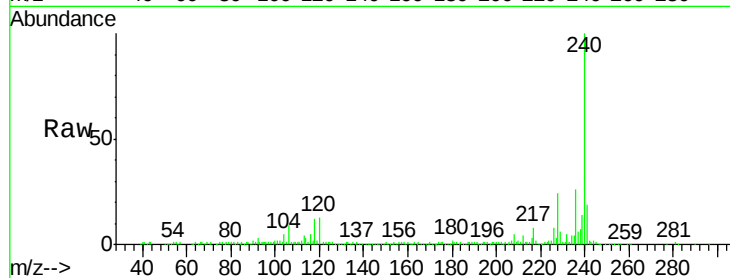




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.77 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

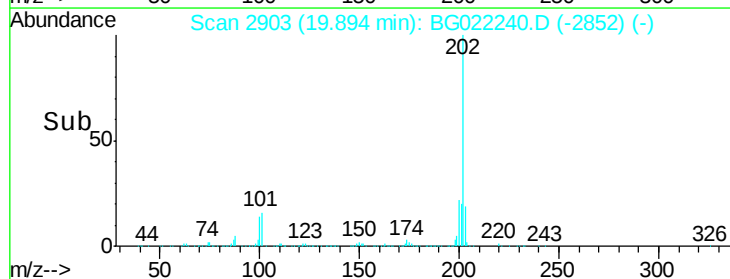
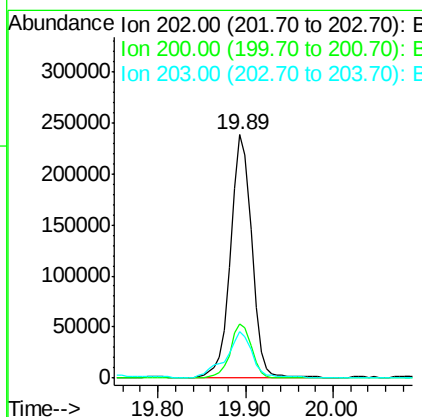
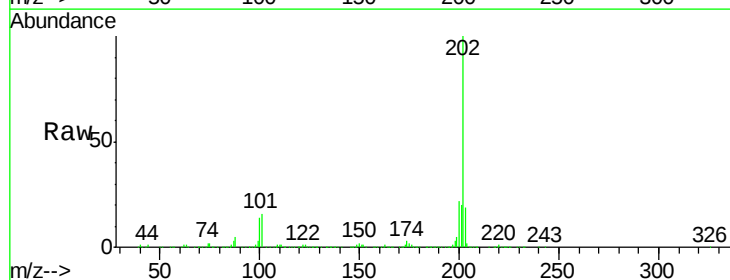
Instrument :
BNA_G
ClientSampleId :
DUP-3

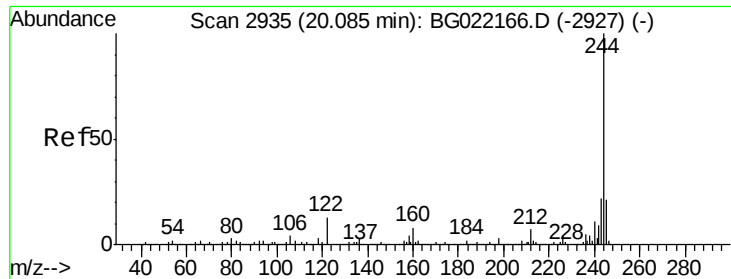
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	8.4	12.6#
236	26.4	19.6	29.4



#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

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

Instrument :

BNA_G

ClientSampleId :

DUP-3

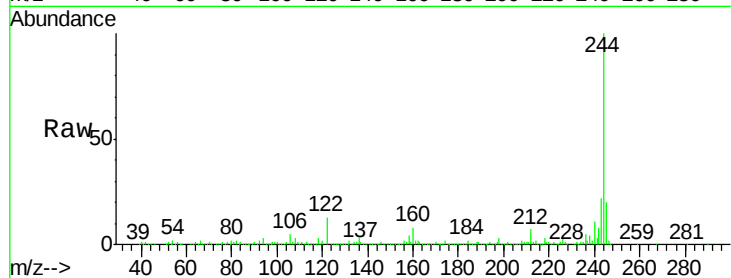
Tot Ion:244 Resp: 378635

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

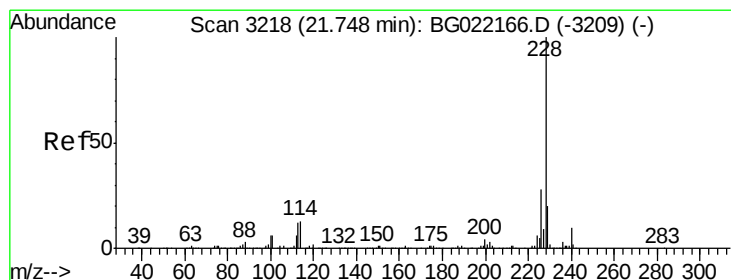
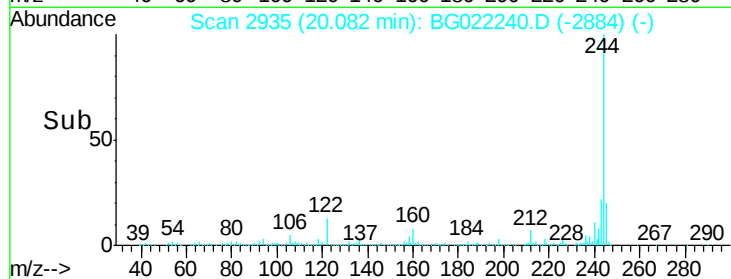
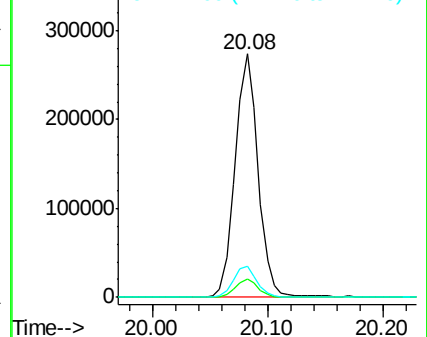
122 12.9 8.6 12.8#



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



#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

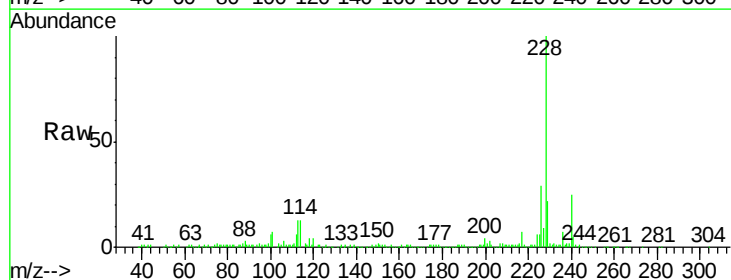
Tgt Ion:228 Resp: 201595

Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

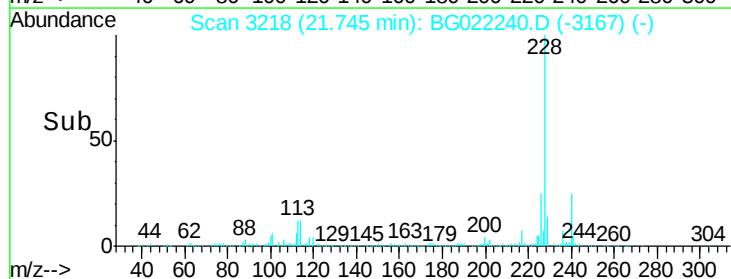
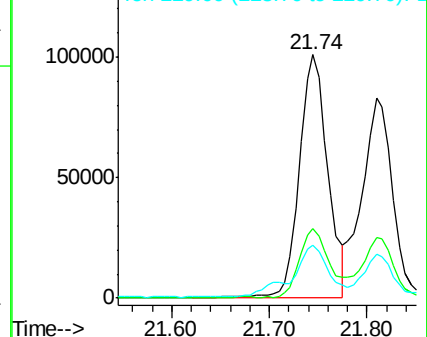
229 21.6 16.1 24.1

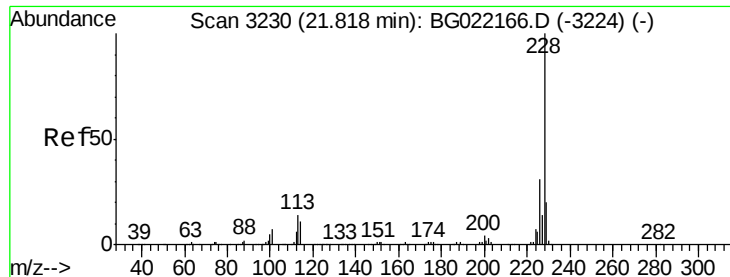


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_G

ClientSampleId :

DUP-3

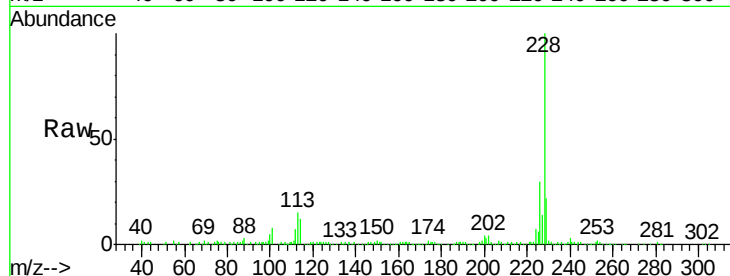
Tot Ion:228 Resp: 176956

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

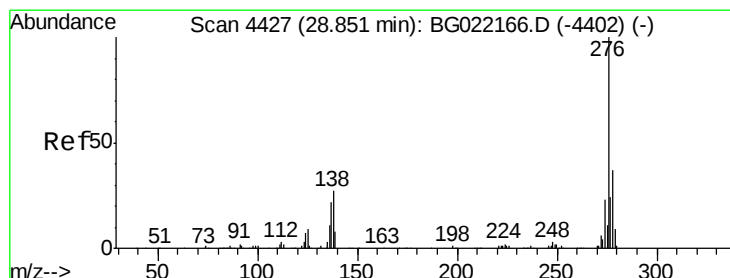
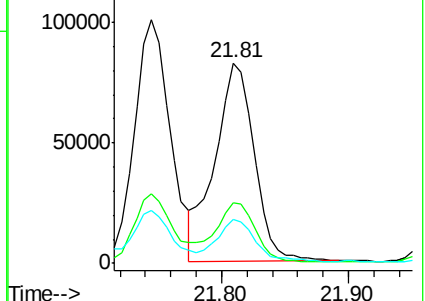
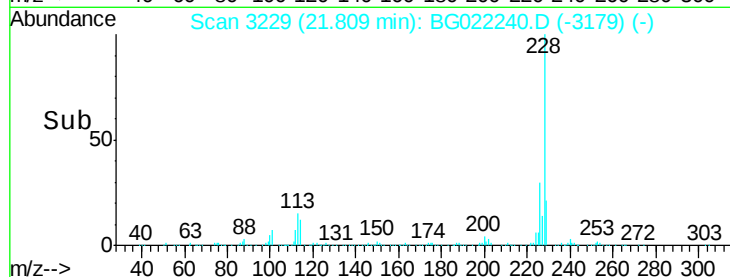
229 21.6 15.9 23.9



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

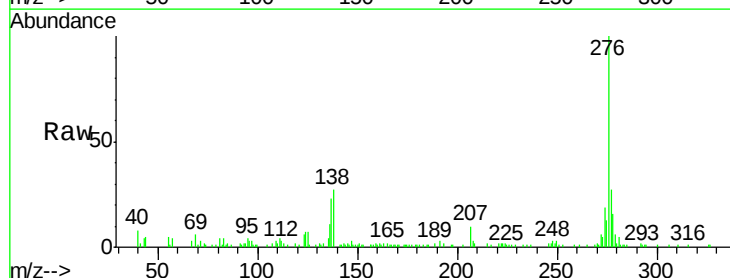
Tgt Ion:276 Resp: 97326

Ion Ratio Lower Upper

276 100

138 25.0 14.0 21.0#

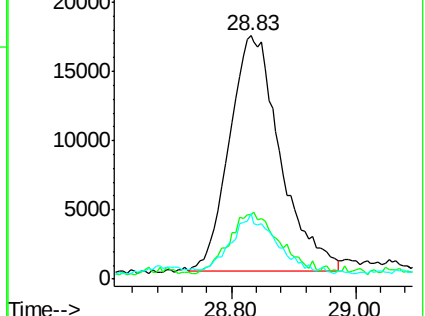
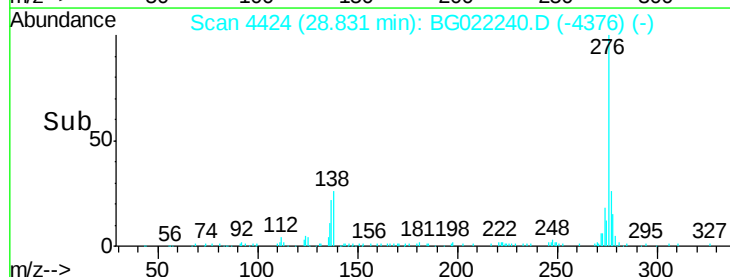
277 20.2 20.6 30.8#

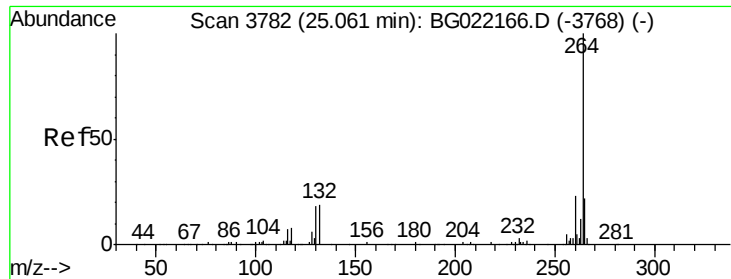


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

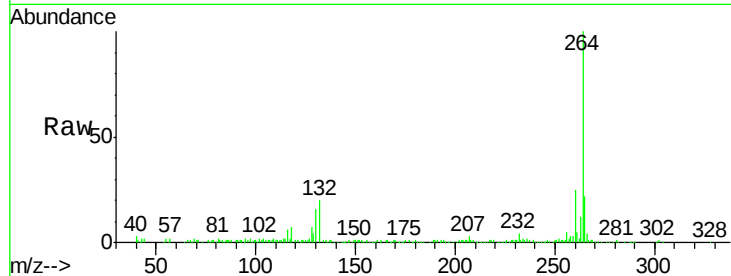




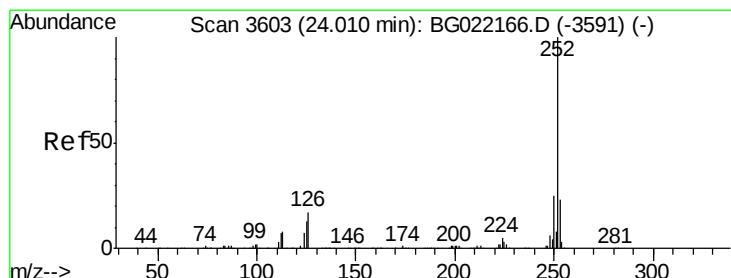
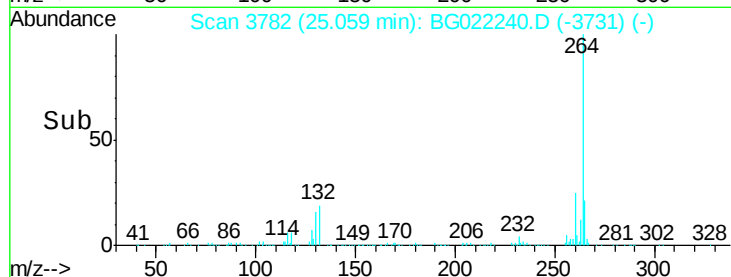
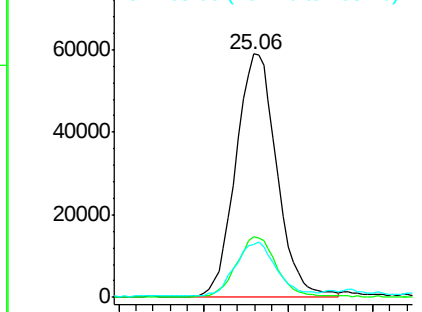
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3782
Delta R.T. -0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

Instrument :
BNA_G
ClientSampleId :
DUP-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.4
265	21.6	17.8	26.8

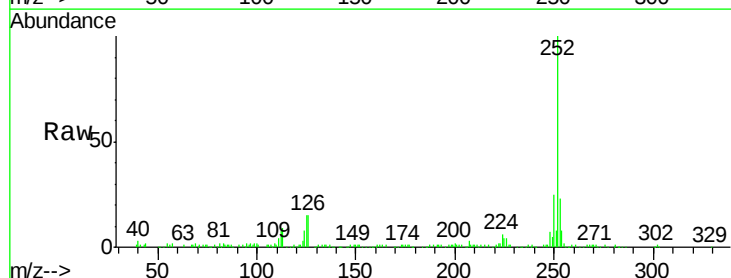


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

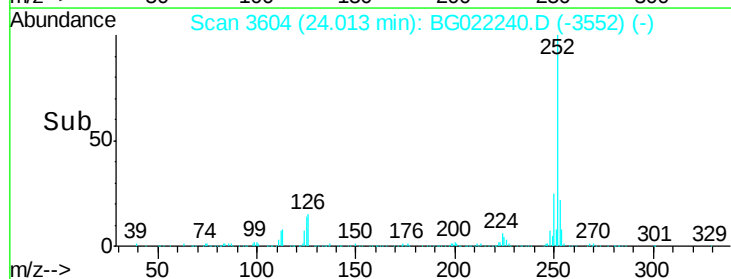
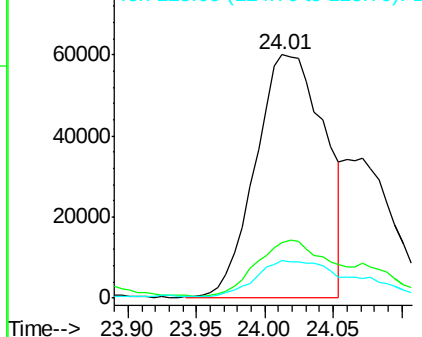


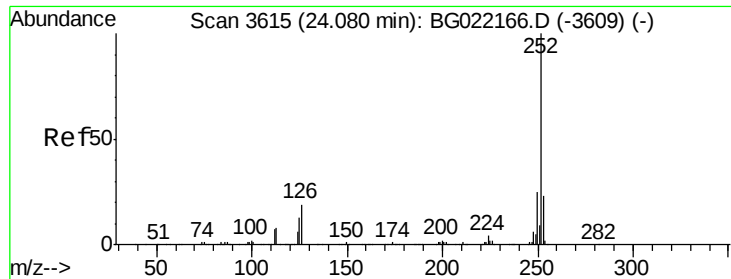
#87
Benzo(b)fluoranthene
Concen: 18.42 ng m
RT: 24.01 min Scan# 3604
Delta R.T. 0.00 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

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

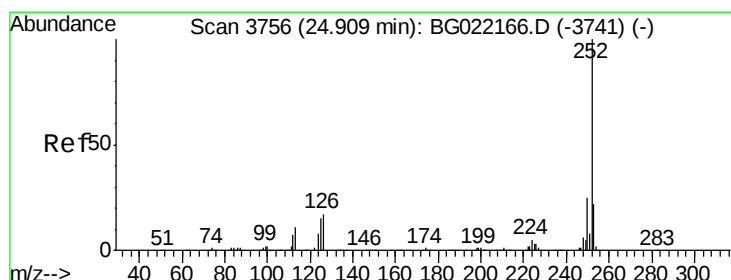
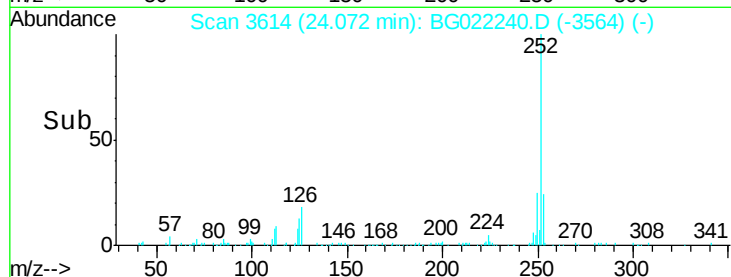
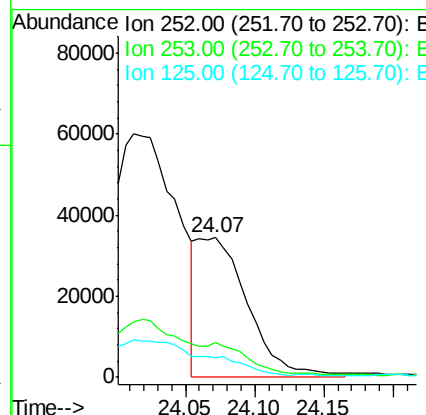
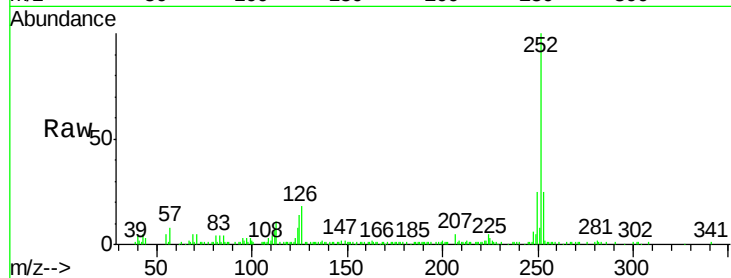




#88
Benzo(k)fluoranthene
Concen: 7.78 ng m
RT: 24.07 min Scan# 3614
Delta R.T. -0.01 min
Lab File: BG022240.D
Acq: 8 Jun 2016 18:10

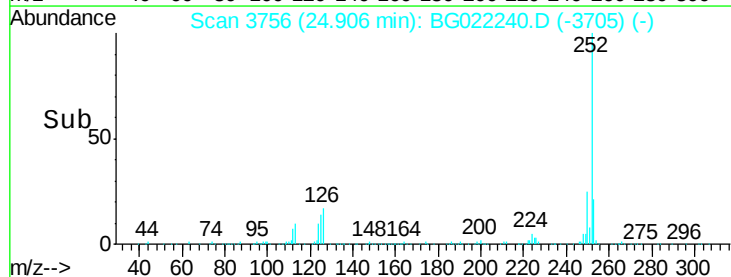
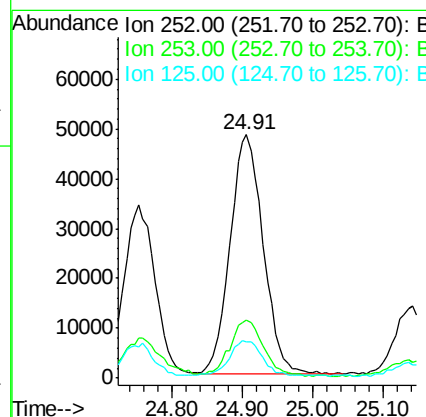
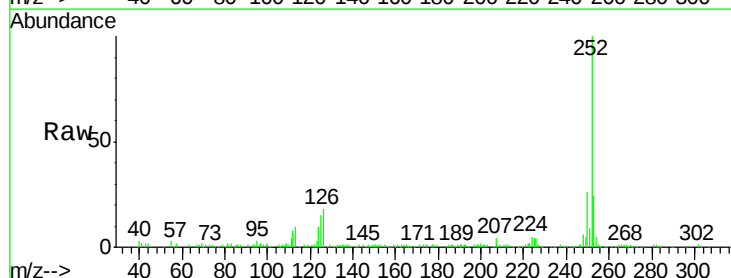
Instrument :
BNA_G
ClientSampled :
DUP-3

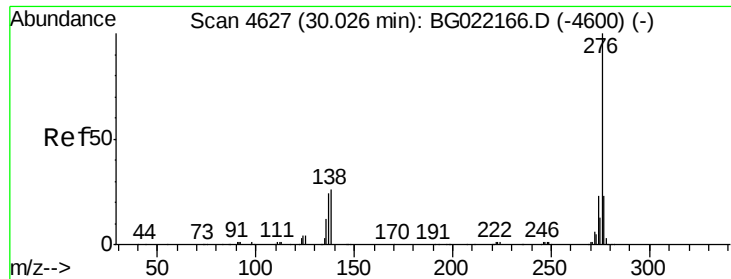
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	14.4	8.3	12.5



#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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.8	9.6	14.4

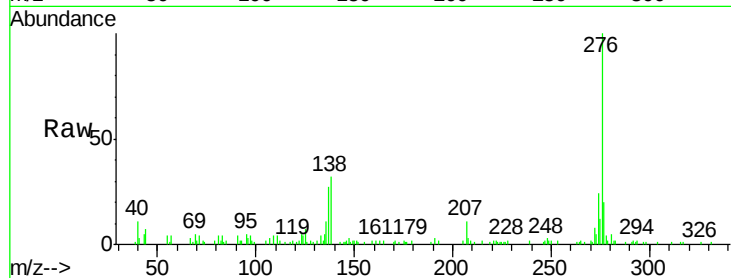




#91
 Benzo(a,h,i)perylene
 Concen: 8.80 ng
 RT: 30.01 min Scan# 4624
 Delta R.T. -0.02 min
 Lab File: BG022240.D
 Acq: 8 Jun 2016 18:10

Instrument :
 BNA_G
 ClientSampleId :
 DUP-3

Tot 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

