

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\
 Data File : BG022238.D
 Acq On : 8 Jun 2016 16:49
 Operator : UM/SJ
 Sample : H3402-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-38

Quant Time: Jun 09 06:43:08 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

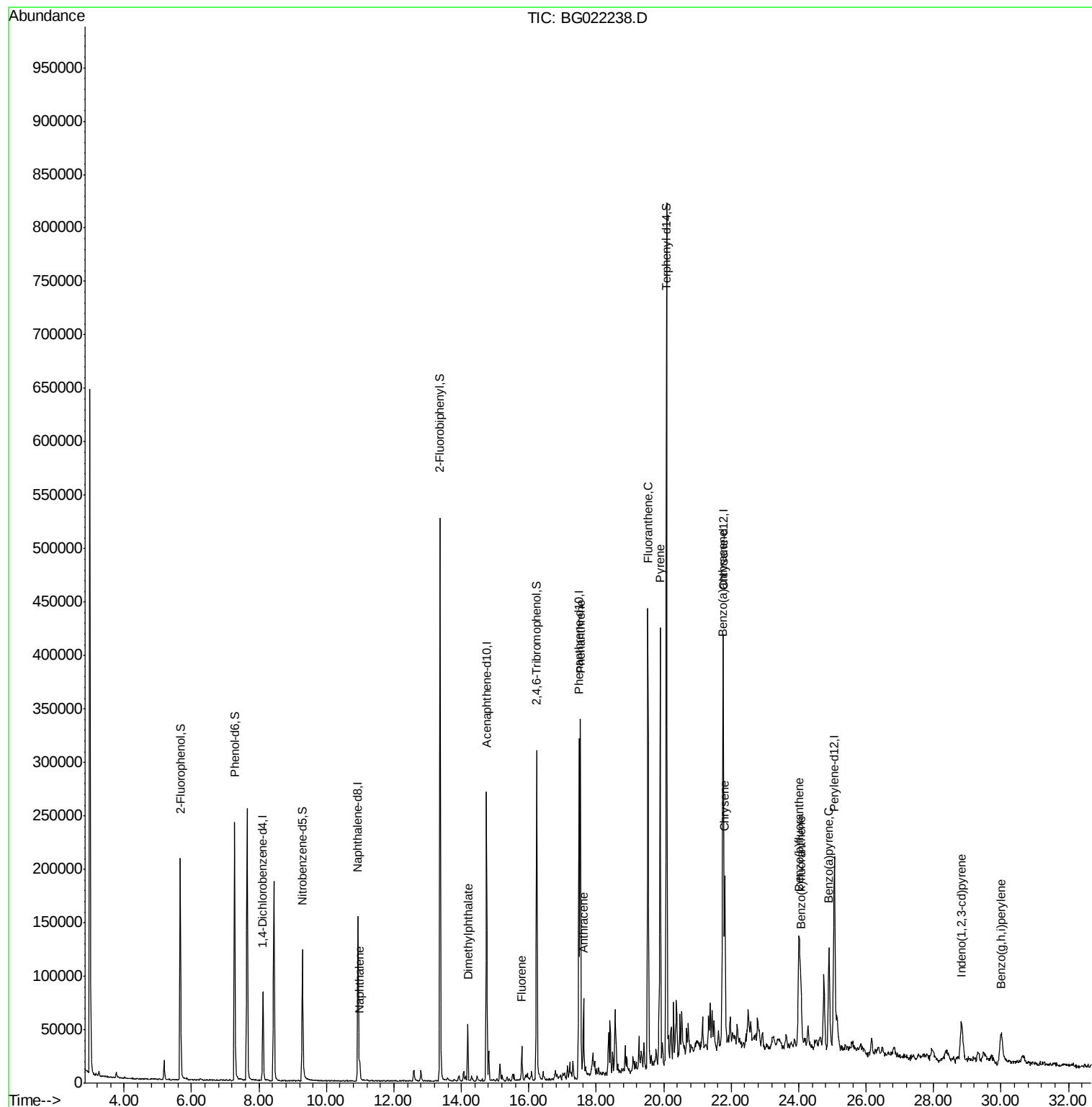
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	33362	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	177342	20.00	ng	0.00
38) Acenaphthene-d10	14.74	164	109418	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	222252	20.00	ng	0.00
75) Chrysene-d12	21.76	240	208244	20.00	ng	0.00
86) Perylene-d12	25.06	264	198803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	139816	81.03	ng	0.00
7) Phenol-d6	7.27	99	216920	79.96	ng	0.00
23) Nitrobenzene-d5	9.29	82	109821	43.17	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	71744	58.03	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	328587	45.76	ng	0.00
78) Terphenyl-d14	20.08	244	380945	43.43	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.98	128	20526	2.32	ng	# 95
49) Dimethylphthalate	14.19	163	44968	4.96	ng	99
57) Fluorene	15.79	166	18163	2.04	ng	97
70) Phenanthrene	17.53	178	237414	19.67	ng	99
71) Anthracene	17.62	178	52157	4.36	ng	97
74) Fluoranthene	19.54	202	301932	21.76	ng	98
77) Pyrene	19.89	202	273318	21.11	ng	98
80) Benzo(a)anthracene	21.74	228	125963	10.79	ng	97
82) Chrysene	21.81	228	106785	9.40	ng	96
85) Indeno(1,2,3-cd)pyrene	28.82	276	62078	4.87	ng	# 88
87) Benzo(b)fluoranthene	24.01	252	143362m	12.36	ng	
88) Benzo(k)fluoranthene	24.07	252	45323m	3.97	ng	
89) Benzo(a)pyrene	24.90	252	98109	8.85	ng	# 93
91) Benzo(a,h,i)perylene	30.00	276	66658	6.14	ng	96

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

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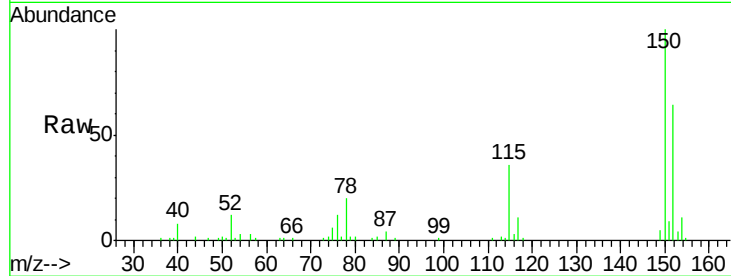


#1

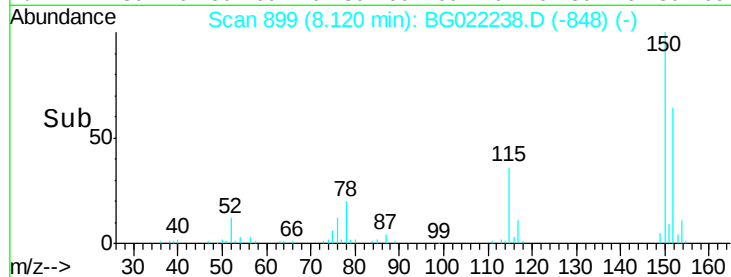
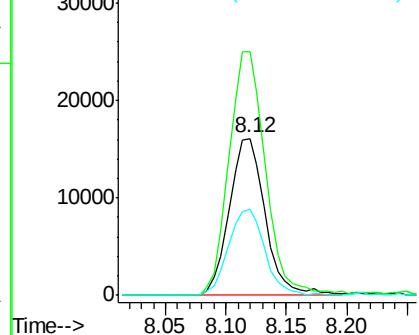
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 899
Delta R.T. -0.00 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

Instrument :
BNA_G
ClientSampleId :
SS-38

Tot Ion:152 Resp: 33362
Ion Ratio Lower Upper
152 100
150 155.0 130.1 195.1
115 55.3 62.2 93.2#



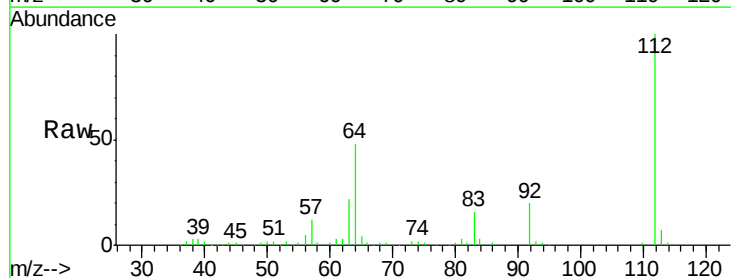
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



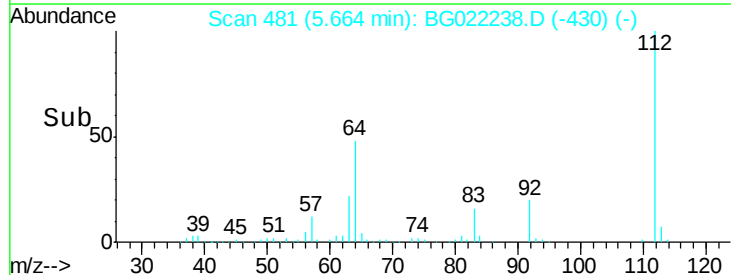
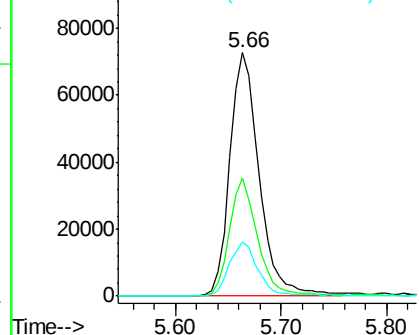
#5

2-Fluorophenol
Concen: 81.03 ng
RT: 5.66 min Scan# 481
Delta R.T. -0.00 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

Tgt Ion:112 Resp: 139816
Ion Ratio Lower Upper
112 100
64 48.4 51.1 76.7#
63 22.2 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: 79.96 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

ClientSampleId :

SS-38

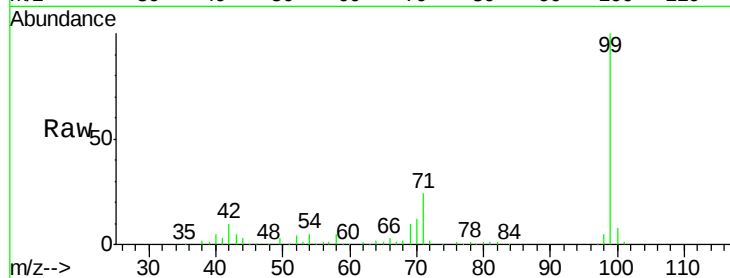
Tot Ion: 99 Resp: 216920

Ion Ratio Lower Upper

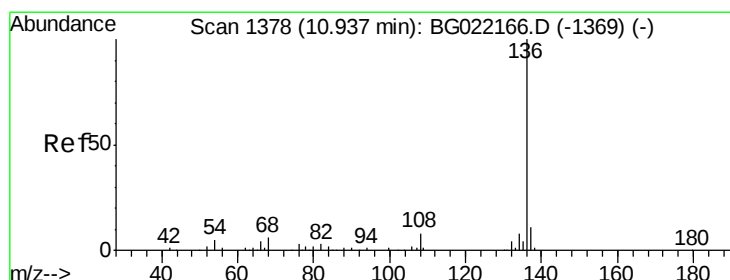
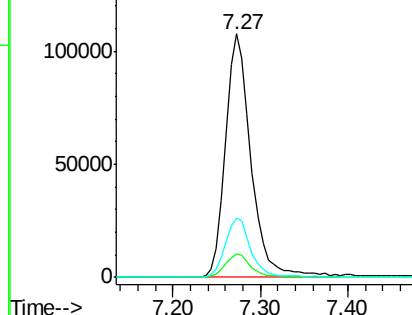
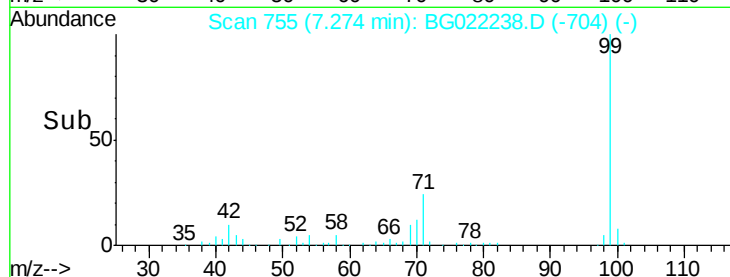
99 100

42 9.6 16.4 24.6#

71 24.3 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: BG022238.D

Acq: 8 Jun 2016 16:49

Tgt Ion: 136 Resp: 177342

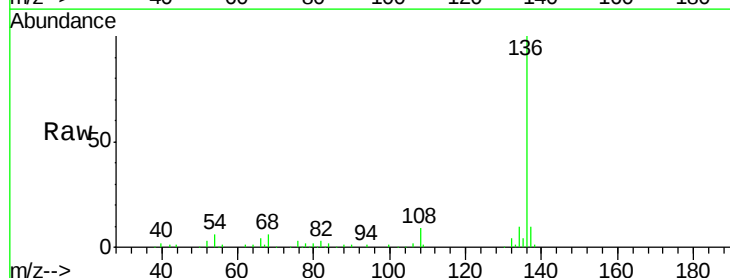
Ion Ratio Lower Upper

136 100

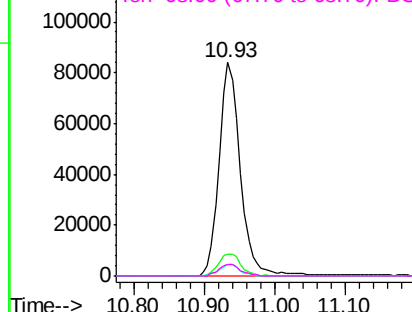
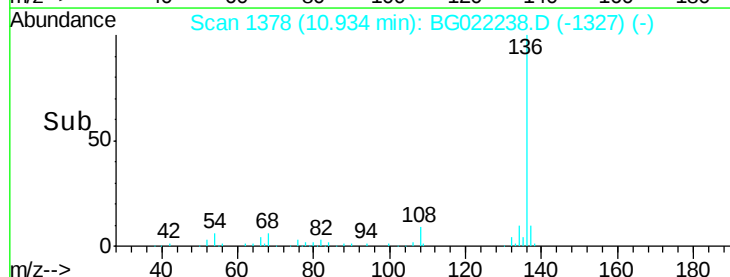
137 10.3 9.0 13.4

54 5.6 9.6 14.4#

68 5.5 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

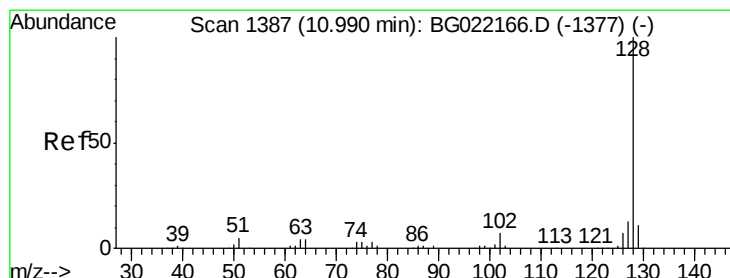
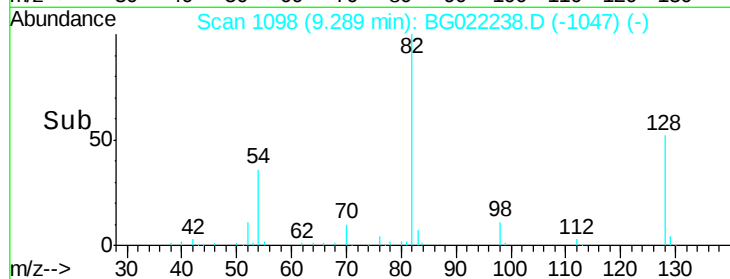
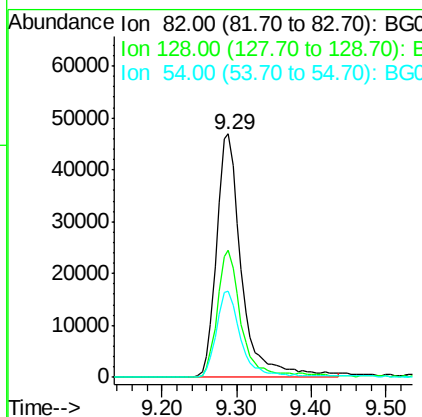
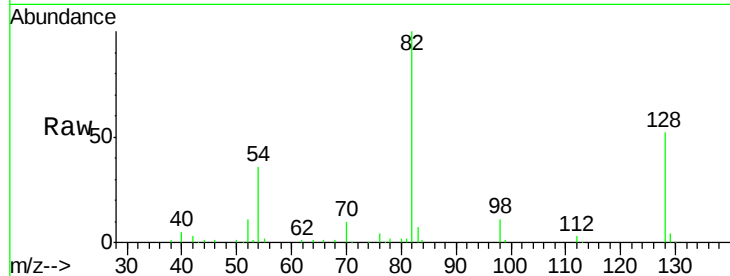




#23
 Nitrobenzene-d5
 Concen: 43.17 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BG022238.D
 Acq: 8 Jun 2016 16:49

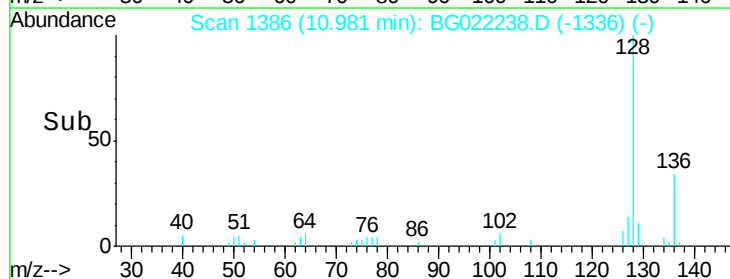
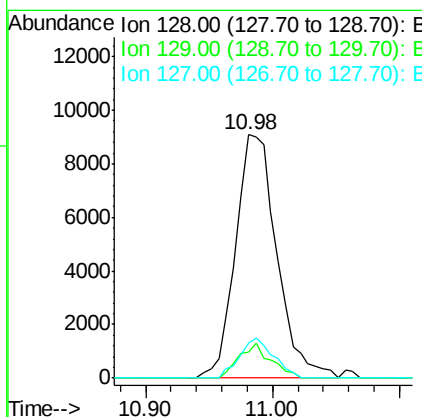
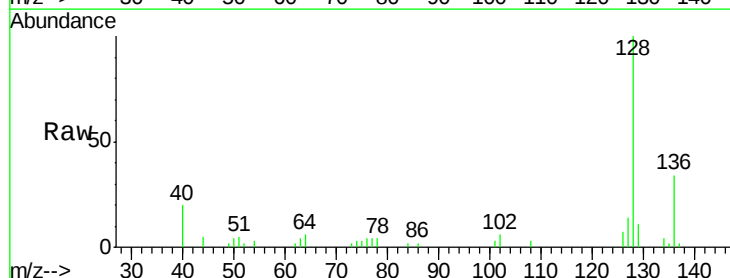
Instrument :
 BNA_G
 ClientSampled :
 SS-38

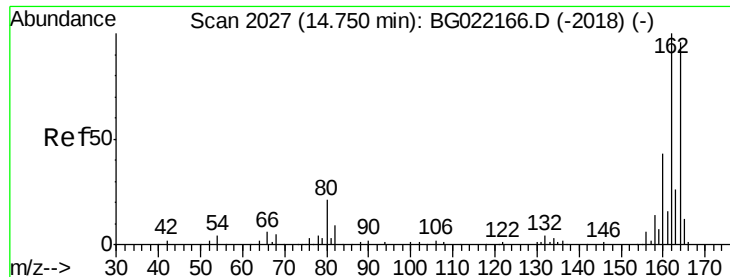
Tot Ion: 82 Resp: 109821
 Ion Ratio Lower Upper
 82 100
 128 52.0 33.4 50.0#
 54 35.6 46.1 69.1#



#31
 Naphthalene
 Concen: 2.32 ng
 RT: 10.98 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BG022238.D
 Acq: 8 Jun 2016 16:49

Tgt Ion: 128 Resp: 20526
 Ion Ratio Lower Upper
 128 100
 129 10.6 7.0 10.6#
 127 14.4 10.1 15.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

ClientSampleId :

SS-38

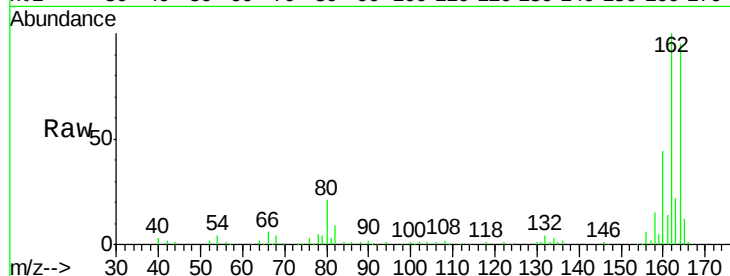
Tot Ion:164 Resp: 109418

Ion Ratio Lower Upper

164 100

162 105.3 78.0 117.0

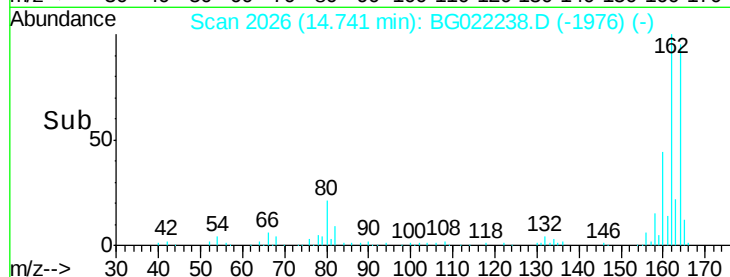
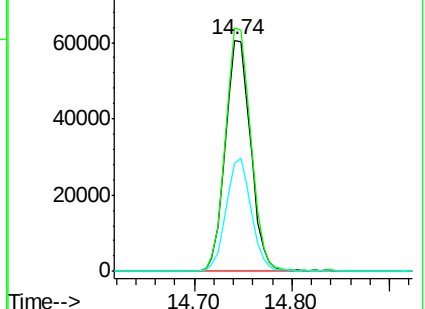
160 46.4 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 58.03 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

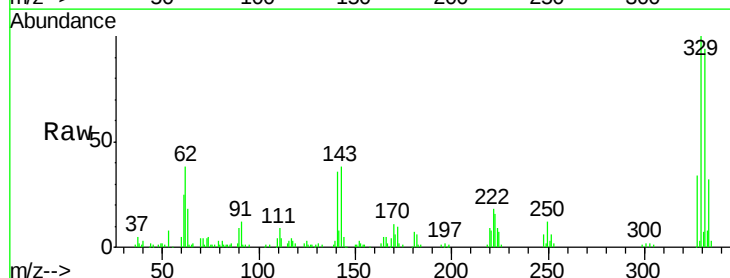
Tgt Ion:330 Resp: 71744

Ion Ratio Lower Upper

330 100

332 95.0 78.0 117.0

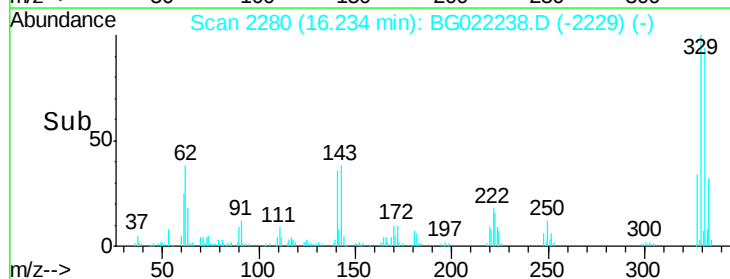
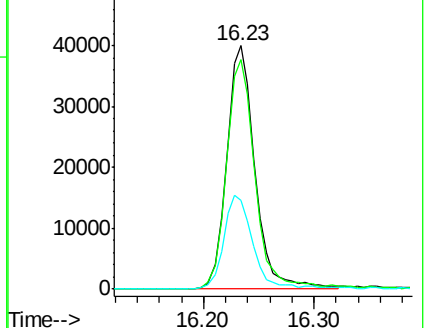
141 40.2 33.8 50.8

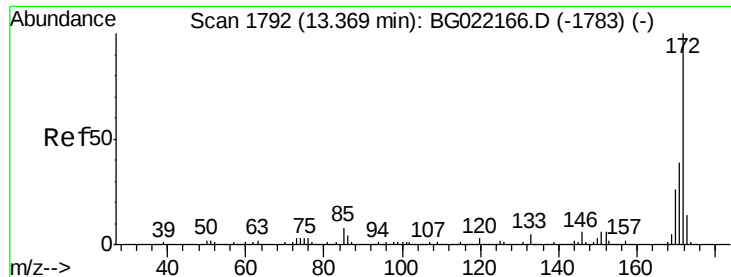


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

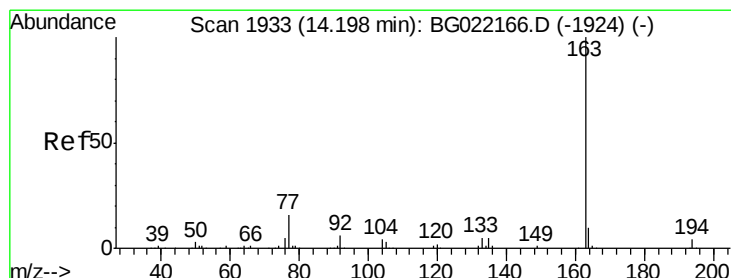
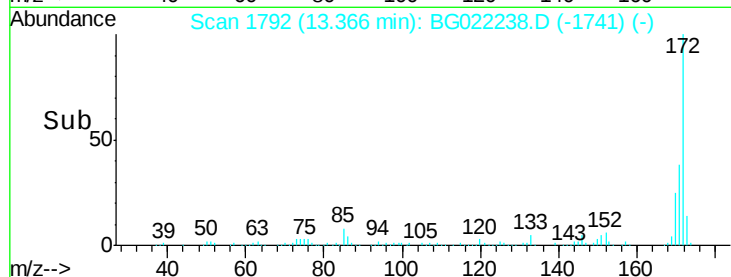
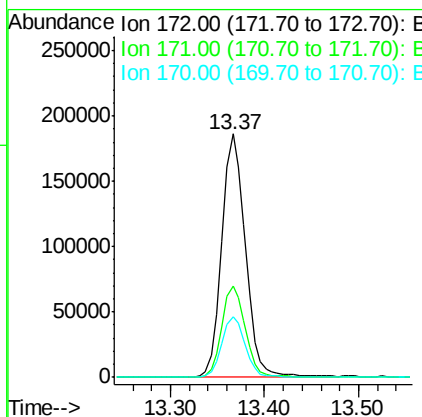
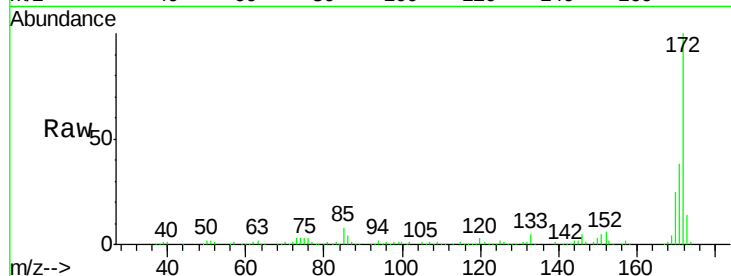




#44
2-Fluorobiphenyl
Concen: 45.76 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

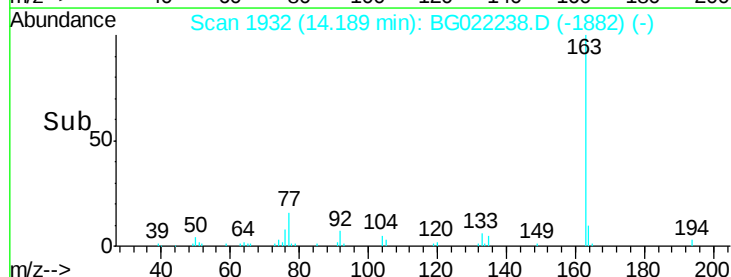
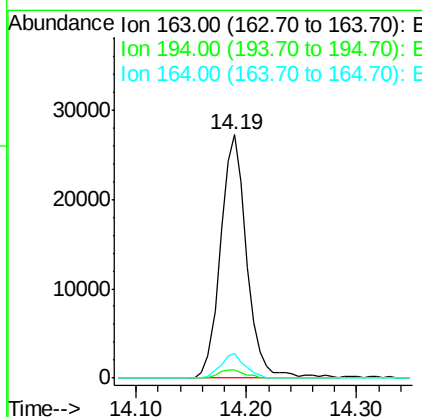
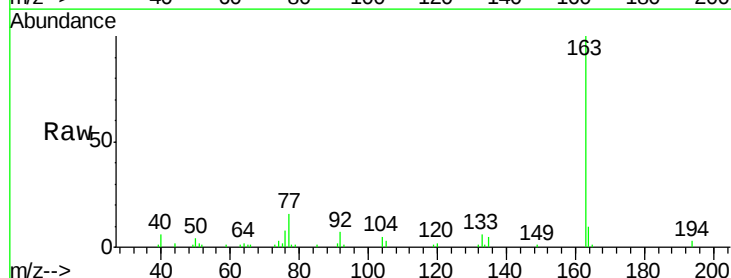
Instrument :
BNA_G
ClientSampleId :
SS-38

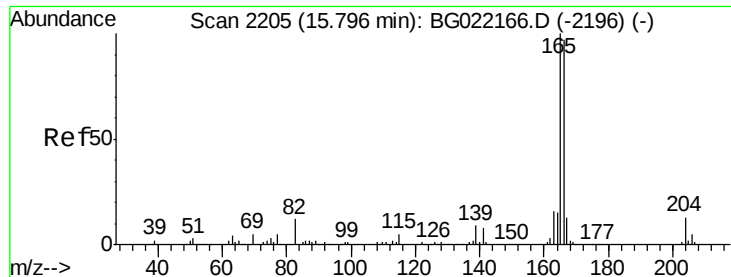
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	27.8	41.6
170	24.8	19.6	29.4



#49
Dimethylphthalate
Concen: 4.96 ng
RT: 14.19 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	10.2	8.1	12.1

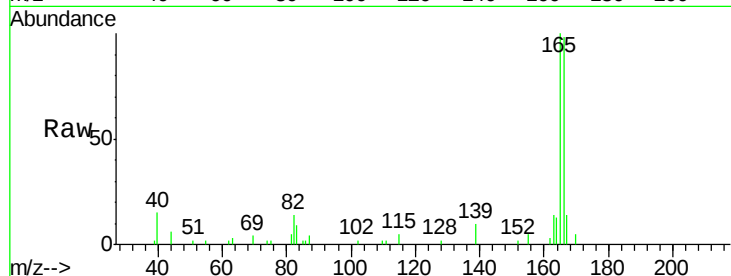




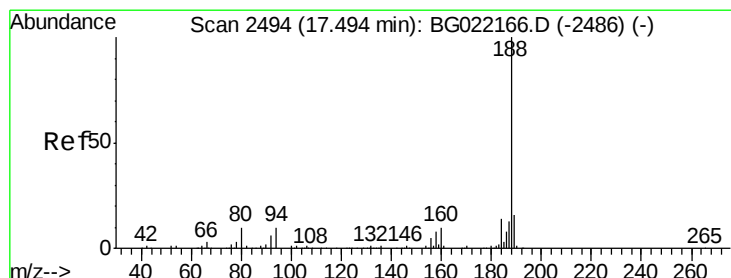
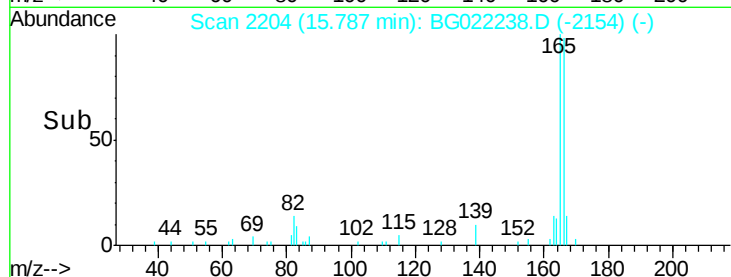
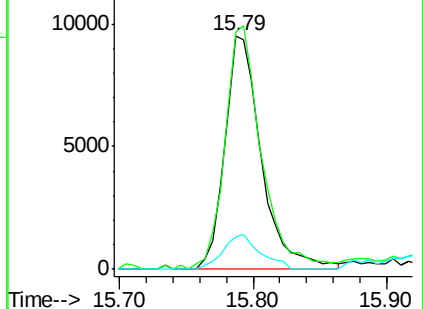
#57
 Fluorene
 Concen: 2.04 ng
 RT: 15.79 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BG022238.D
 Acq: 8 Jun 2016 16:49

Instrument :
 BNA_G
 ClientSampleId :
 SS-38

Tot Ion:166 Resp: 18163
 Ion Ratio Lower Upper
 166 100
 165 101.7 79.0 118.4
 167 14.1 10.7 16.1

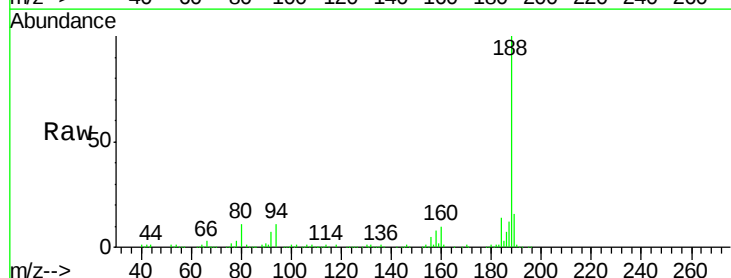


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

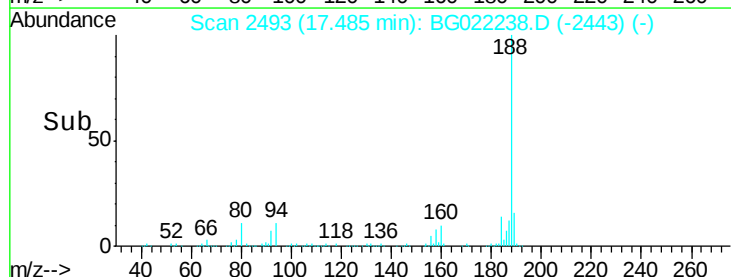
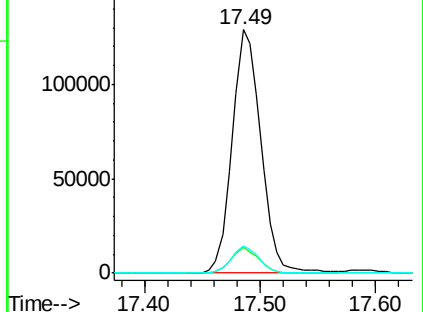


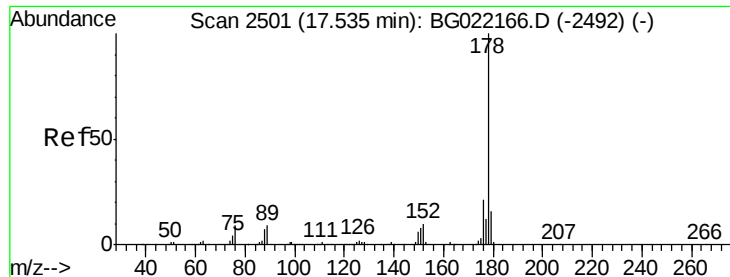
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BG022238.D
 Acq: 8 Jun 2016 16:49

Tgt Ion:188 Resp: 222252
 Ion Ratio Lower Upper
 188 100
 94 10.6 7.5 11.3
 80 11.0 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: 19.67 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

ClientSampleId :

SS-38

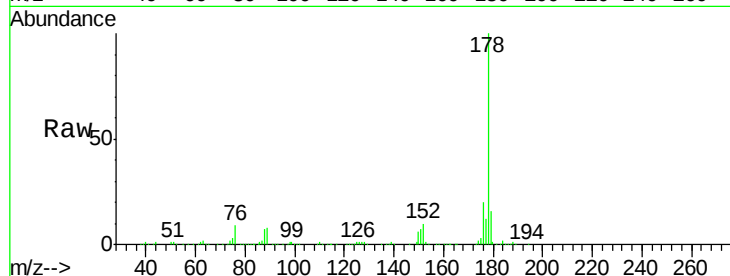
Tot Ion:178 Resp: 237414

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

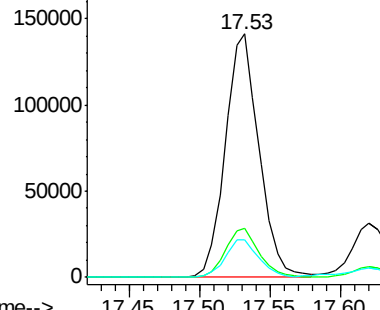
179 15.6 12.0 18.0



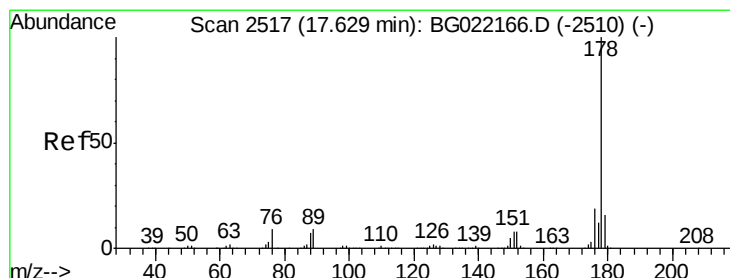
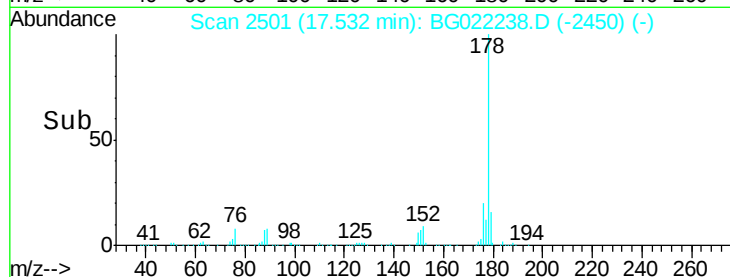
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 4.36 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

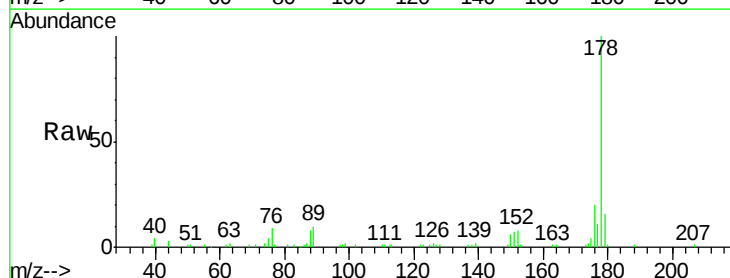
Tgt Ion:178 Resp: 52157

Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.4

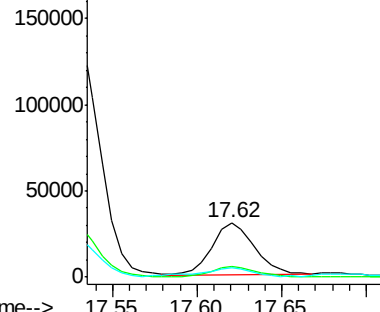
179 16.0 12.2 18.4



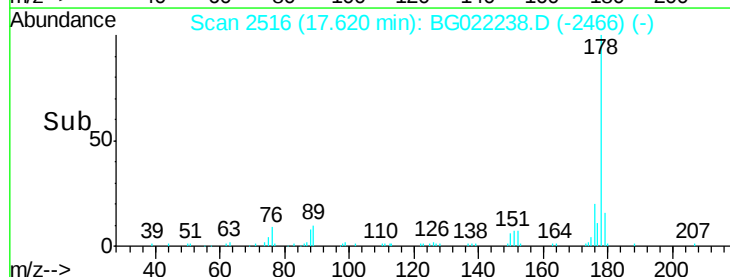
Abundance Ion 178.00 (177.70 to 178.70): E

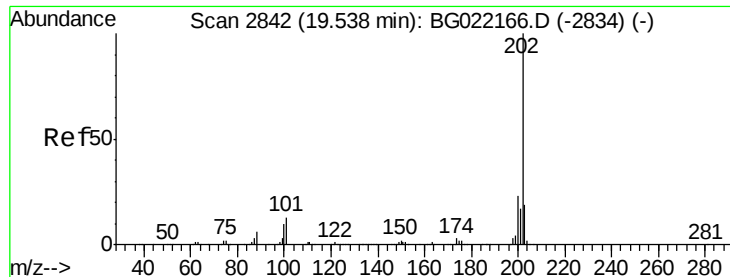
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 21.76 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

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SS-38

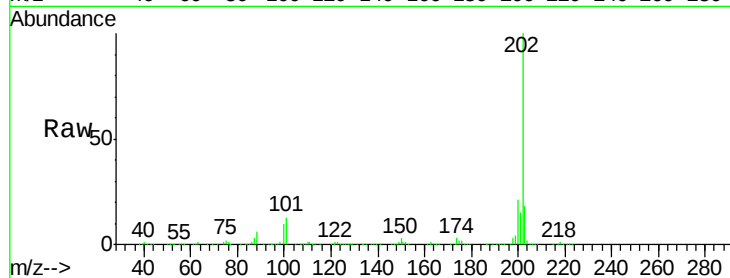
Tot Ion:202 Resp: 301932

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.0

203 18.1 0.0 37.9

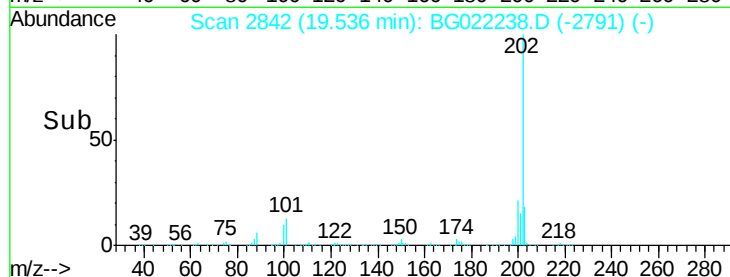


Abundance Ion 202.00 (201.70 to 202.70): E

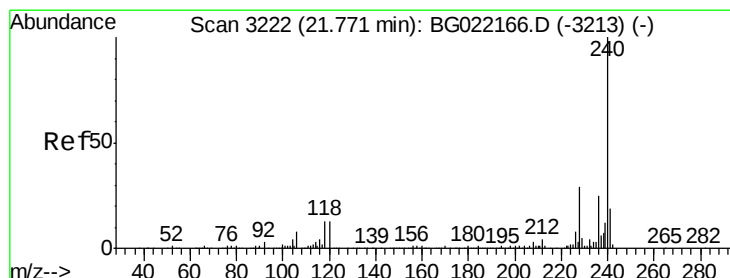
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.54



Time--> 19.40 19.50 19.60



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

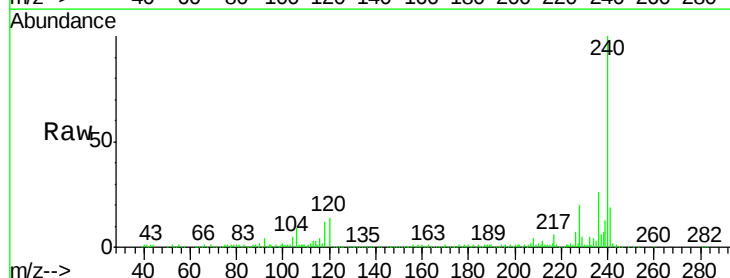
Tgt Ion:240 Resp: 208244

Ion Ratio Lower Upper

240 100

120 13.6 8.4 12.6#

236 26.4 19.6 29.4

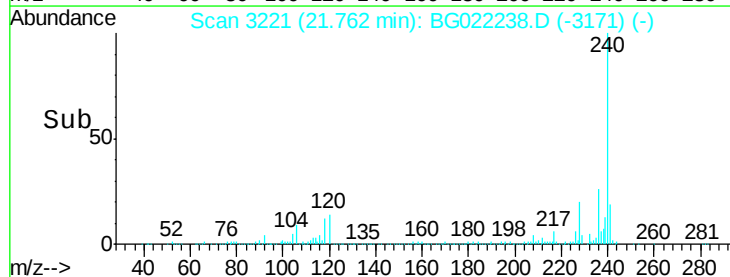


Abundance Ion 240.00 (239.70 to 240.70): E

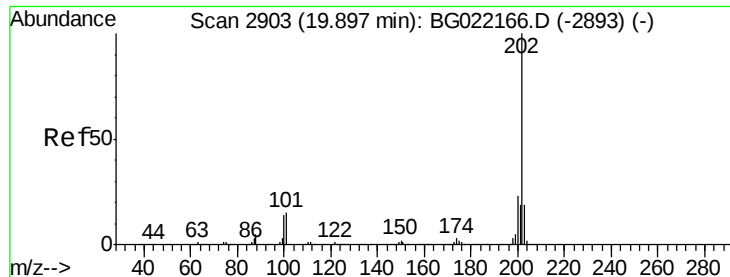
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.76



Time--> 21.60 21.70 21.80 21.90



#77

Pvrene

Concen: 21.11 ng

RT: 19.89 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

ClientSampleId :

SS-38

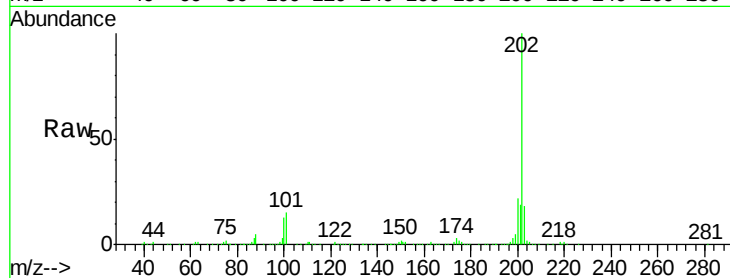
Tot Ion:202 Resp: 273318

Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.2

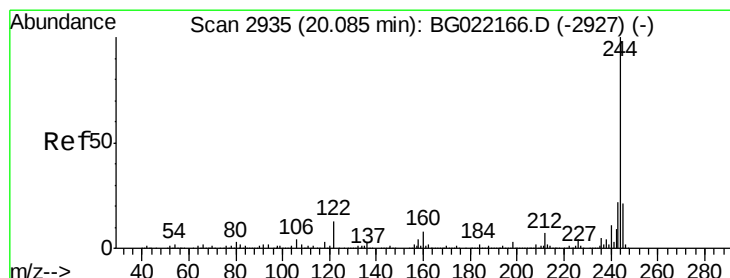
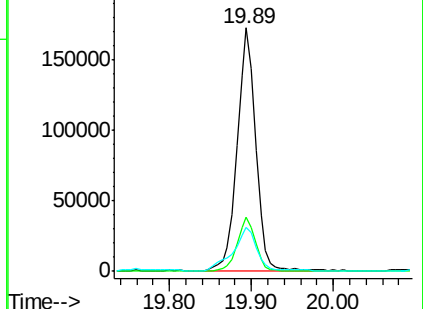
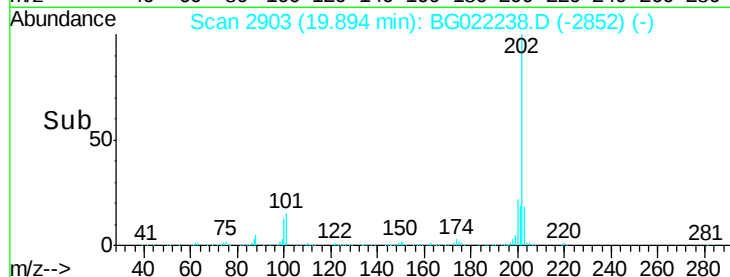
203 17.8 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 43.43 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

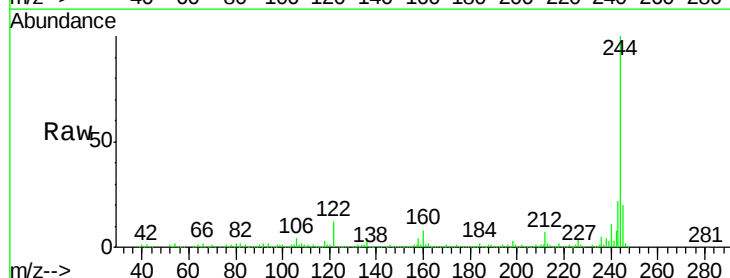
Tgt Ion:244 Resp: 380945

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

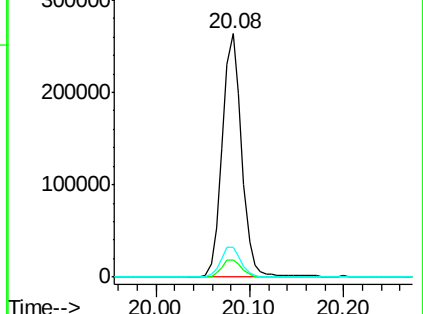
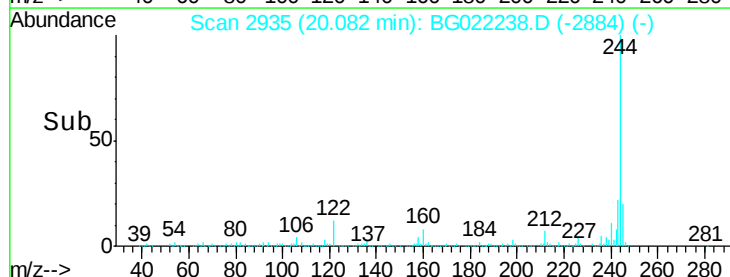
122 12.4 8.6 12.8

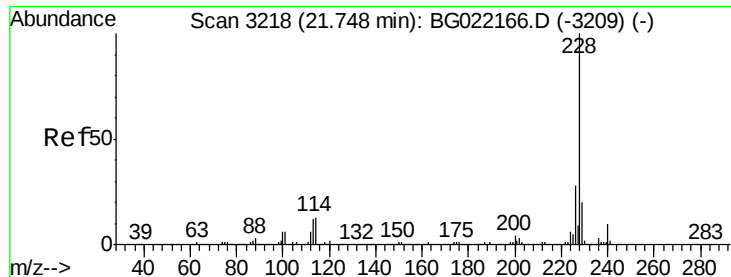


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

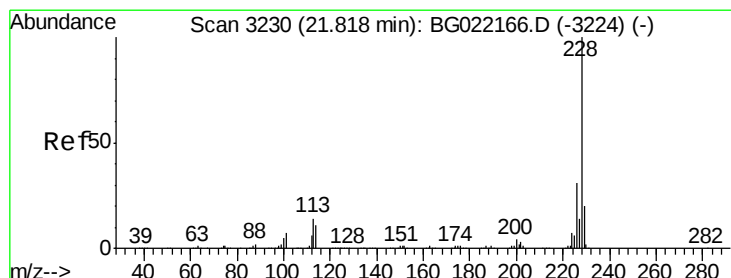
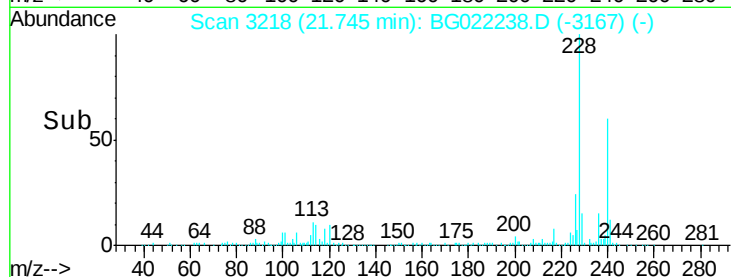
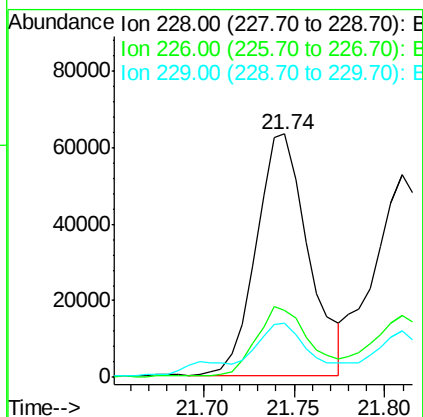
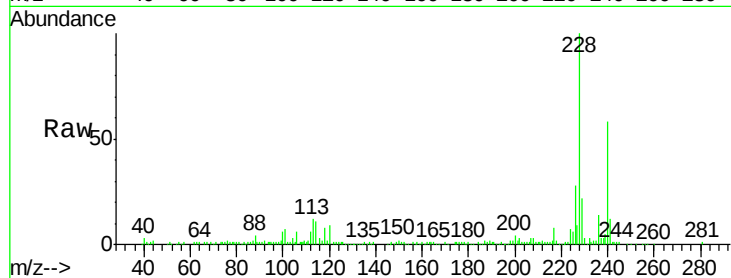




#80
Benzo(a)anthracene
Concen: 10.79 ng
RT: 21.74 min Scan# 3218
Delta R.T. -0.00 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

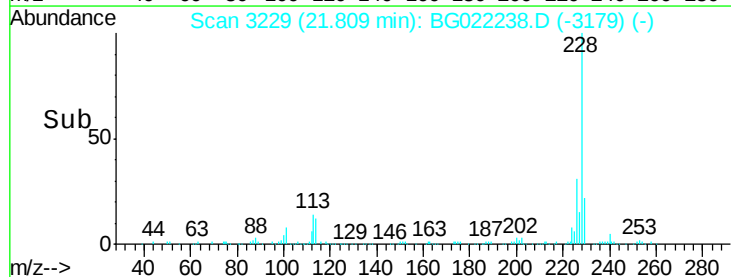
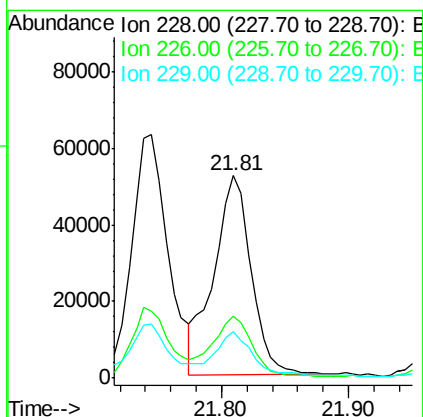
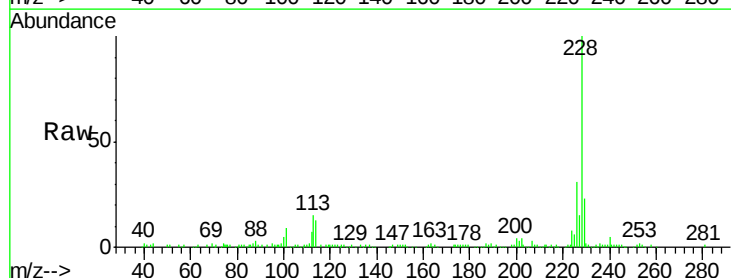
Instrument :
BNA_G
ClientSampleId :
SS-38

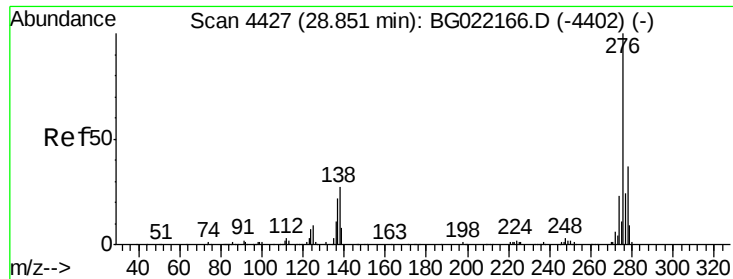
Tot Ion:228 Resp: 125963
Ion Ratio Lower Upper
228 100
226 27.7 22.6 34.0
229 22.4 16.1 24.1



#82
Chrysene
Concen: 9.40 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

Tgt Ion:228 Resp: 106785
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.0
229 22.9 15.9 23.9

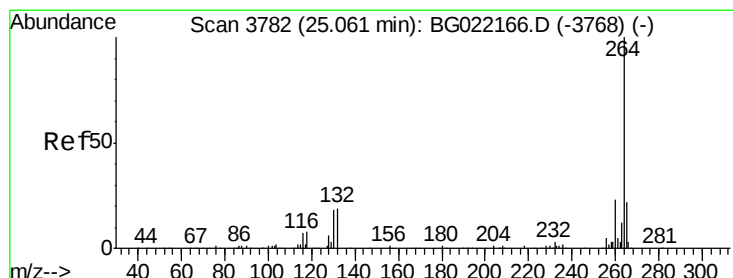
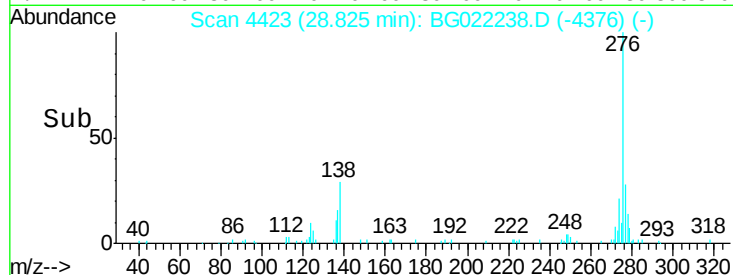
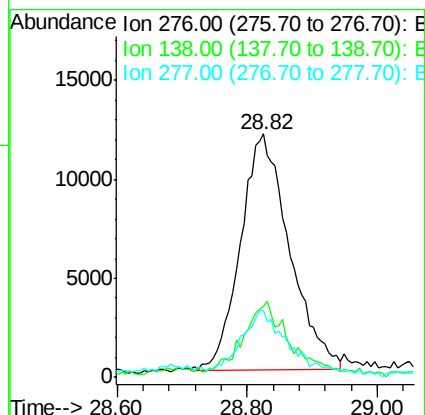
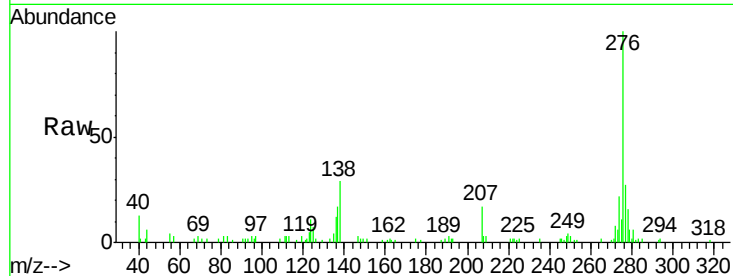




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.87 ng
RT: 28.82 min Scan# 4423
Delta R.T. -0.03 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

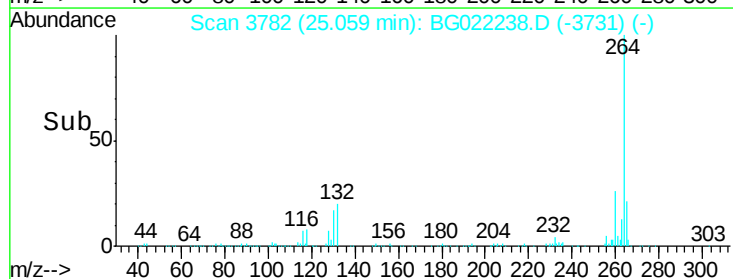
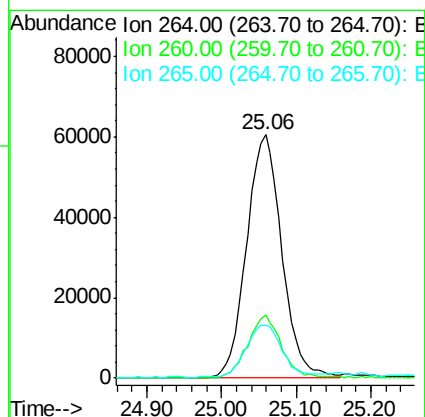
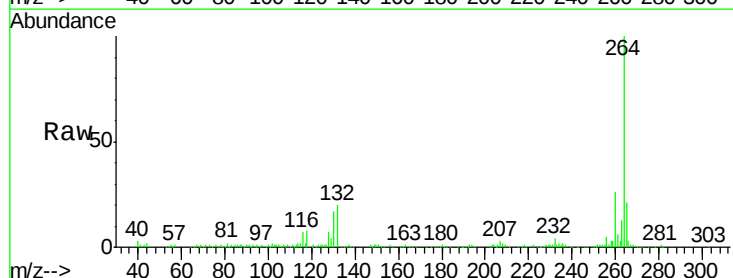
Instrument :
BNA_G
ClientSampleId :
SS-38

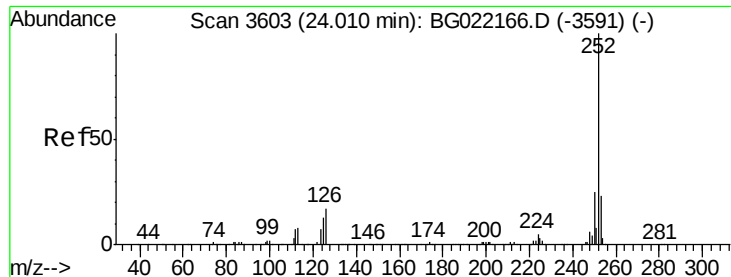
Tot Ion:276 Resp: 62078
Ion Ratio Lower Upper
276 100
138 28.1 14.0 21.0#
277 24.3 20.6 30.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3782
Delta R.T. -0.00 min
Lab File: BG022238.D
Acq: 8 Jun 2016 16:49

Tgt Ion:264 Resp: 198803
Ion Ratio Lower Upper
264 100
260 25.7 20.2 30.4
265 21.5 17.8 26.8





#87

Benzo(b)fluoranthene

Concen: 12.36 ng m

RT: 24.01 min Scan# 3604

Delta R.T. 0.00 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

ClientSampleId :

SS-38

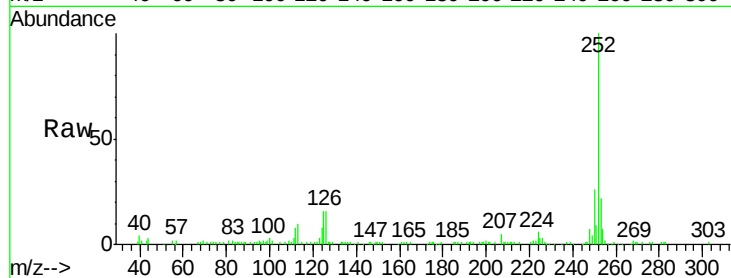
Tot Ion:252 Resp: 143362

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

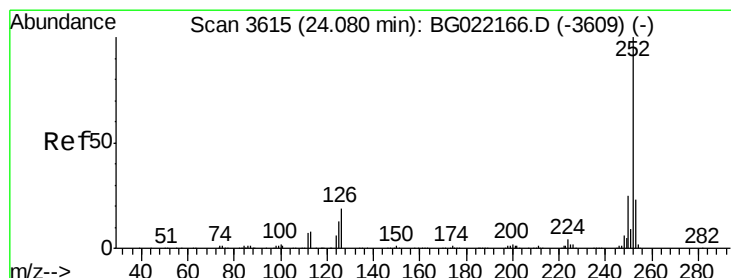
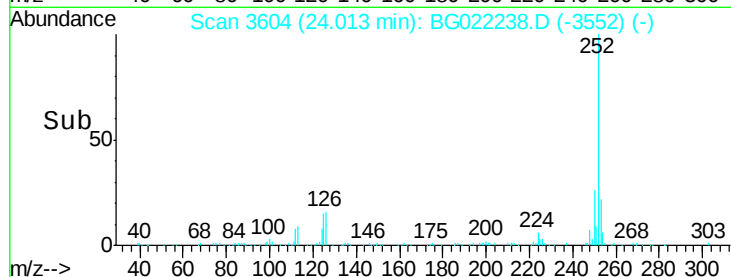
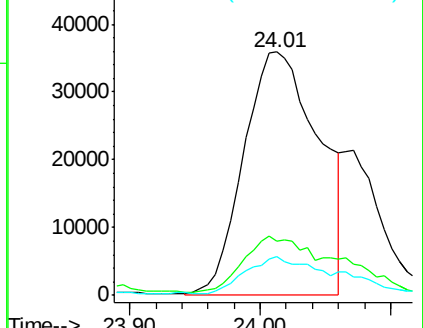
125 16.0 8.6 13.0#



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: 3.97 ng m

RT: 24.07 min Scan# 3614

Delta R.T. -0.01 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

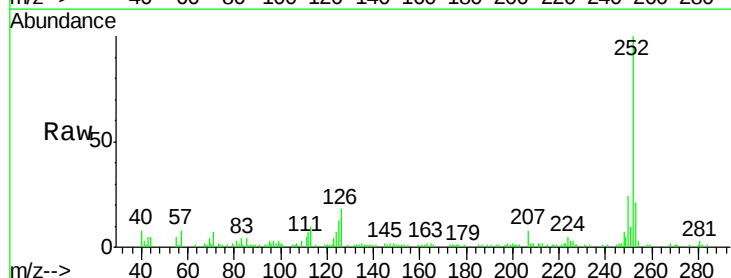
Tgt Ion:252 Resp: 45323

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.8

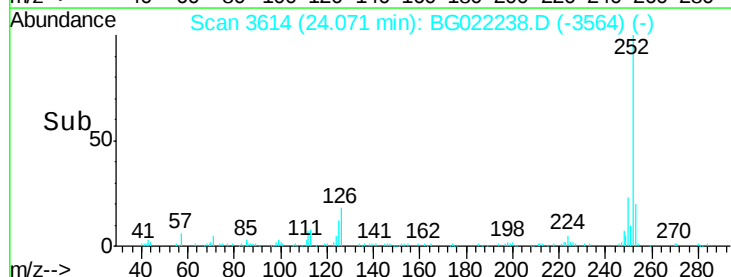
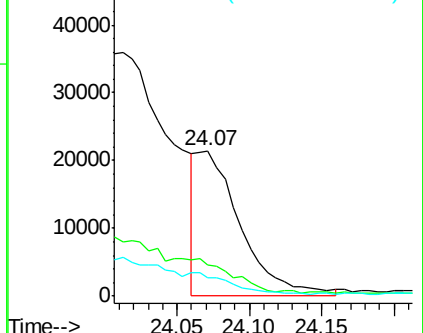
125 12.6 8.3 12.5#

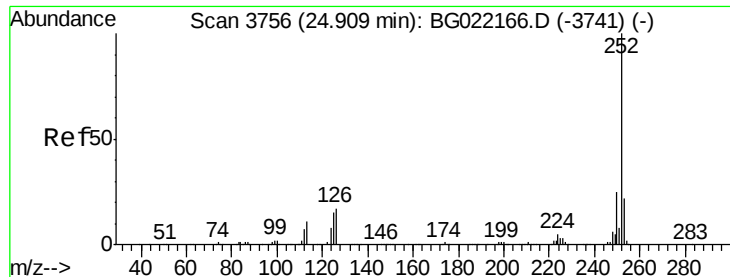


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.85 ng

RT: 24.90 min Scan# 3755

Delta R.T. -0.01 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

Instrument :

BNA_G

ClientSampleId :

SS-38

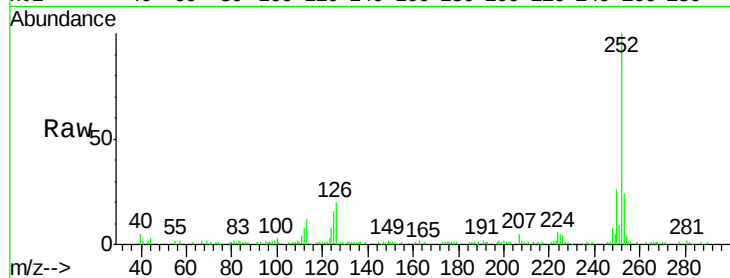
Tot Ion:252 Resp: 98109

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

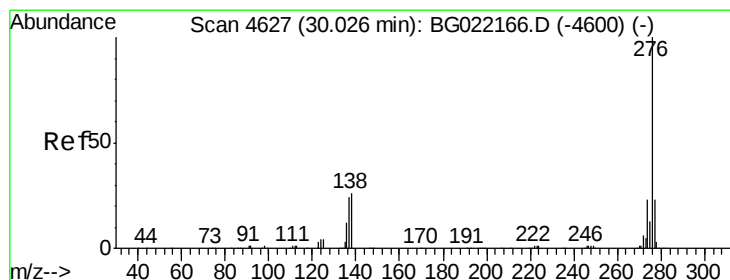
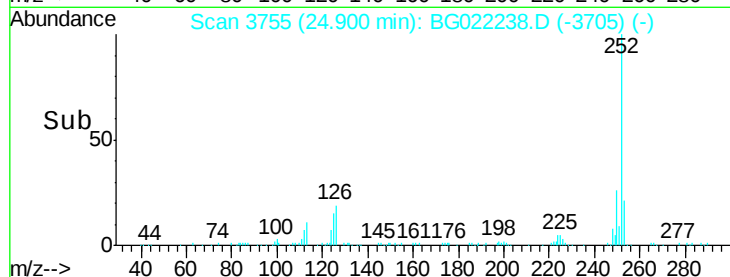
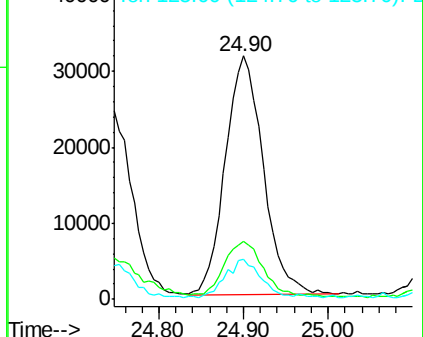
125 16.3 9.6 14.4#



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: 6.14 ng

RT: 30.00 min Scan# 4623

Delta R.T. -0.03 min

Lab File: BG022238.D

Acq: 8 Jun 2016 16:49

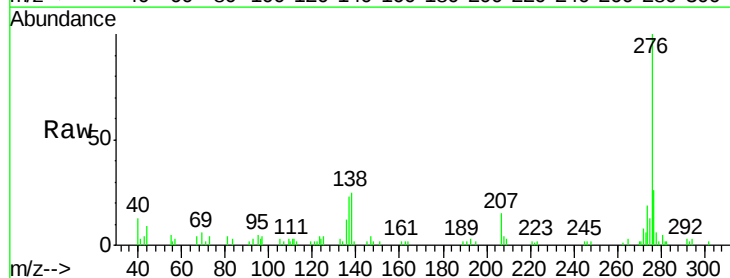
Tgt Ion:276 Resp: 66658

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.2

138 24.7 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

