

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
 Data File : BG02271.D
 Acq On : 9 Jun 2016 16:32
 Operator : UM/SJ
 Sample : H3402-04 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-40

Quant Time: Jun 09 17:11:58 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

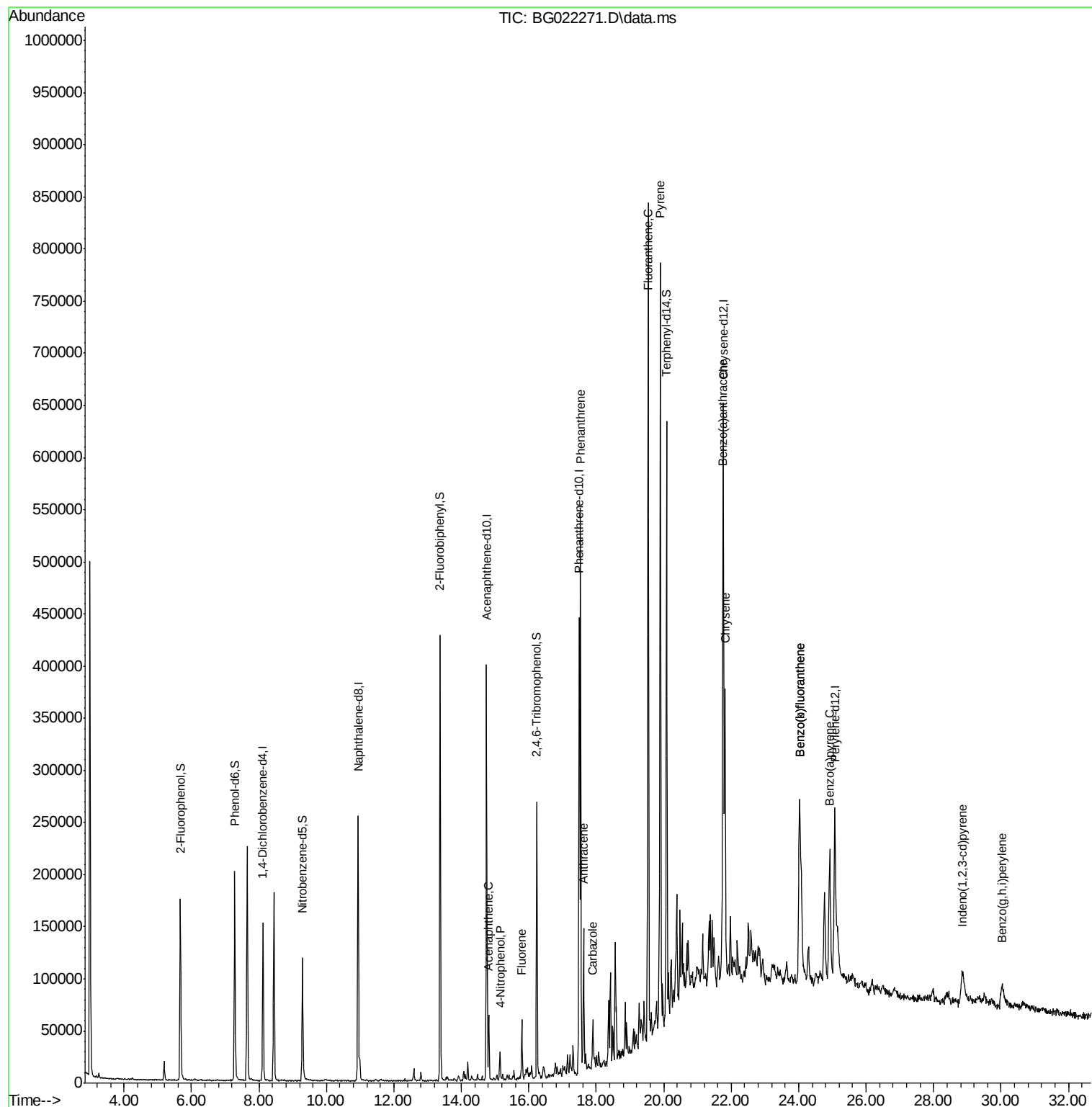
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.120	152	57702	20.00	ng	0.00
21) Naphthalene-d8	10.941	136	282616	20.00	ng	0.00
38) Acenaphthene-d10	14.748	164	154031	20.00	ng	0.00
63) Phenanthrene-d10	17.492	188	299595	20.00	ng	0.00
75) Chrysene-d12	21.769	240	249182	20.00	ng	0.00
86) Perylene-d12	25.071	264	225408	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.670	112	118722	39.78	ng	0.00
7) Phenol-d6	7.280	99	174728	37.24	ng	0.00
23) Nitrobenzene-d5	9.290	82	98379	24.27	ng	0.00
41) 2,4,6-Tribromophenol	16.234	330	56483	32.45	ng	0.00
44) 2-Fluorobiphenyl	13.367	172	266259	26.34	ng	0.00
78) Terphenyl-d14	20.083	244	263358	25.09	ng	0.00
Target Compounds						
						Qvalue
51) Acenaphthene	14.813	154	25129	2.69	ng	90
55) 4-Nitrophenol	15.147	139	6897	3.25	ng	# 5
57) Fluorene	15.794	166	30208	2.41	ng	98
70) Phenanthrene	17.533	178	367918	22.61	ng	99
71) Anthracene	17.627	178	93993	5.82	ng	97
72) Carbazole	17.897	167	36619	2.40	ng	100
74) Fluoranthene	19.536	202	537047	28.71	ng	97
77) Pyrene	19.901	202	473736	30.58	ng	99
80) Benzo(a)anthracene	21.751	228	238959	17.10	ng	99
82) Chrysene	21.816	228	205240	15.09	ng	97
85) Indeno(1,2,3-cd)pyrene	28.855	276	70341	4.61	ng	# 61
87) Benzo(b)fluoranthene	24.031	252	228682	17.40	ng	# 94
88) Benzo(k)fluoranthene	24.031	252	228682	17.67	ng	# 94
89) Benzo(a)pyrene	24.912	252	157496	12.53	ng	# 95
91) Benzo(g,h,i)perylene	30.036	276	49749	4.04	ng	# 88

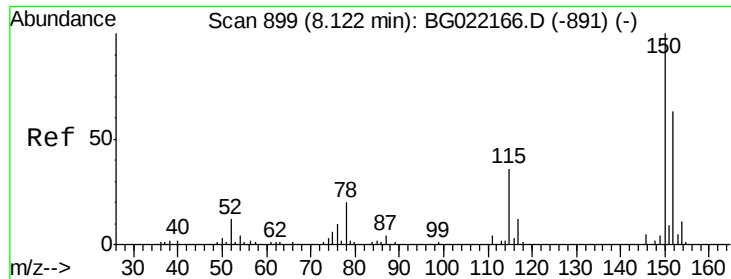
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
Data File : BG022271.D
Acq On : 9 Jun 2016 16:32
Operator : UM/SJ
Sample : H3402-04 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SS-40

Quant Time: Jun 09 17:11:58 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.120 min Scan# 89

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

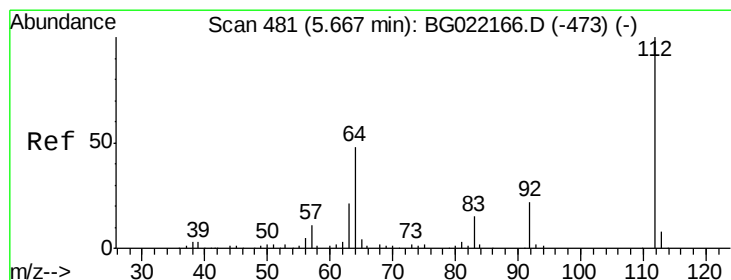
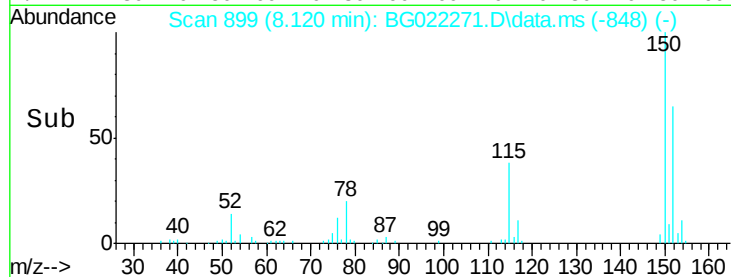
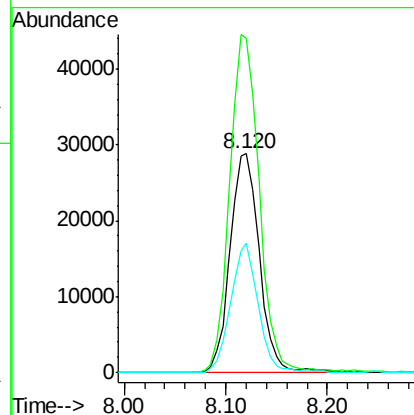
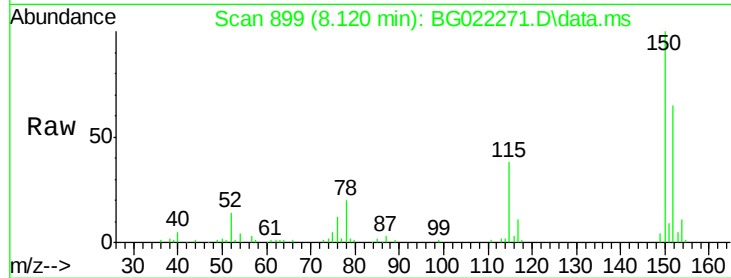
Tot Ion:152 Resp: 57702

Ion Ratio Lower Upper

152 100

150 153.0 130.1 195.1

115 58.9 62.2 93.2#



#5

2-Fluorophenol

Concen: 39.78 ng

RT: 5.670 min Scan# 482

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

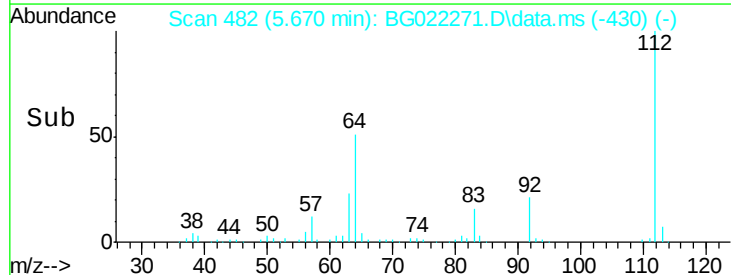
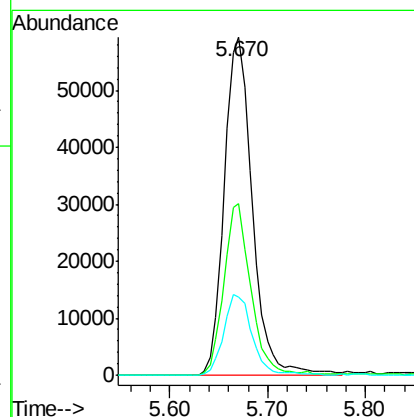
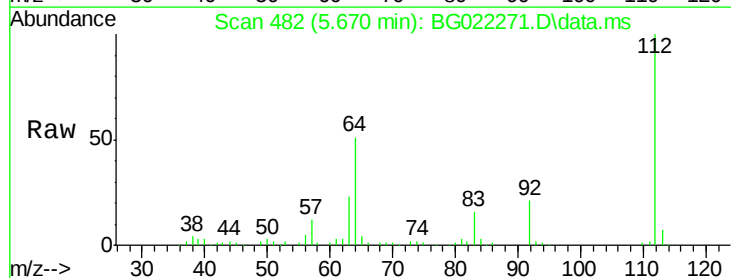
Tgt Ion:112 Resp: 118722

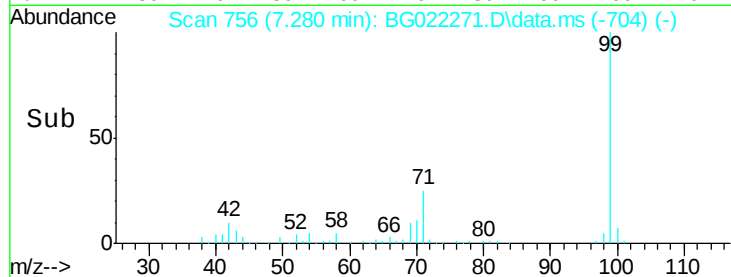
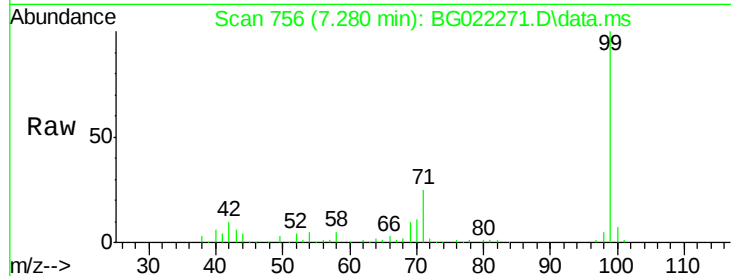
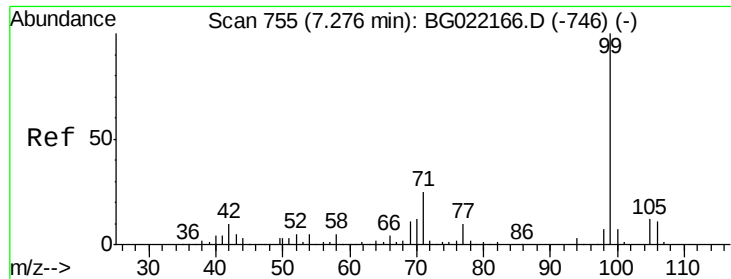
Ion Ratio Lower Upper

112 100

64 50.7 51.1 76.7#

63 23.2 24.6 37.0#





#7

Phenol-d6

Concen: 37.24 ng

RT: 7.280 min Scan# 75

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

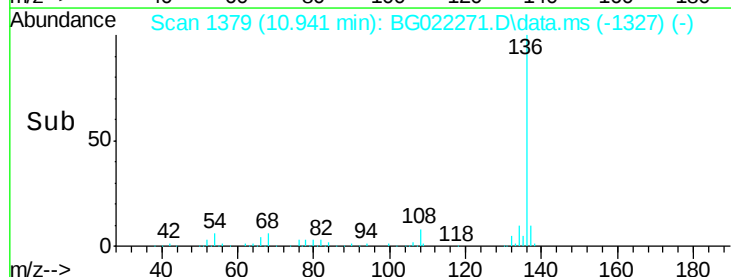
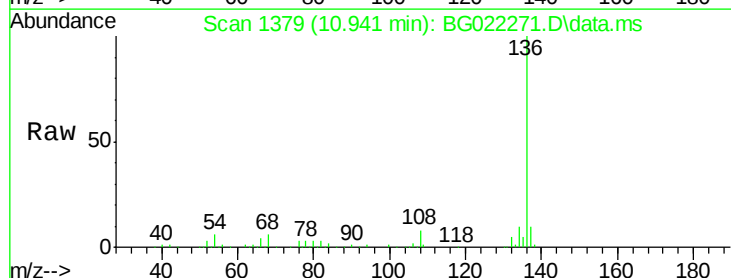
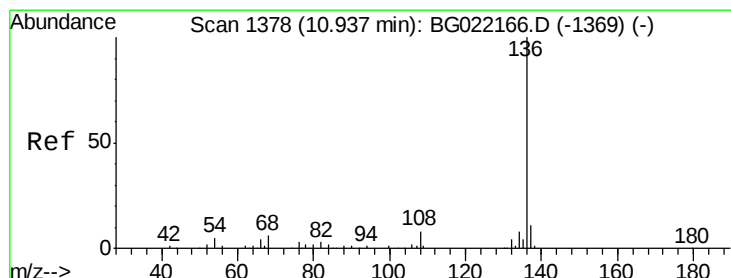
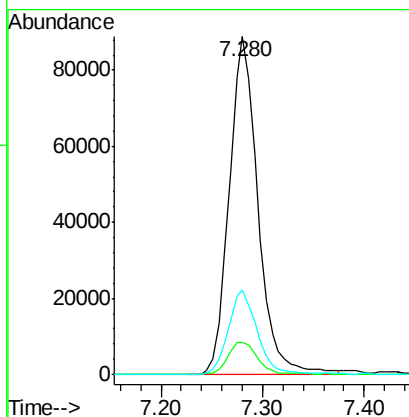
Tot Ion: 99 Resp: 174728

Ion Ratio Lower Upper

99 100

42 9.6 16.4 24.6#

71 25.1 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.941 min Scan# 1379

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Tgt Ion: 136 Resp: 282616

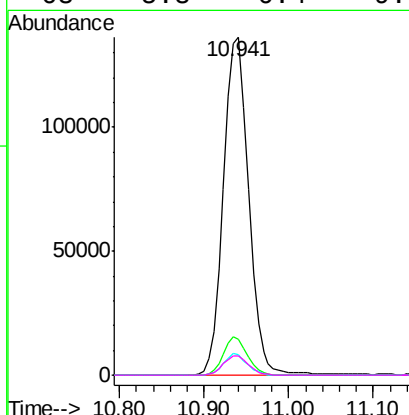
Ion Ratio Lower Upper

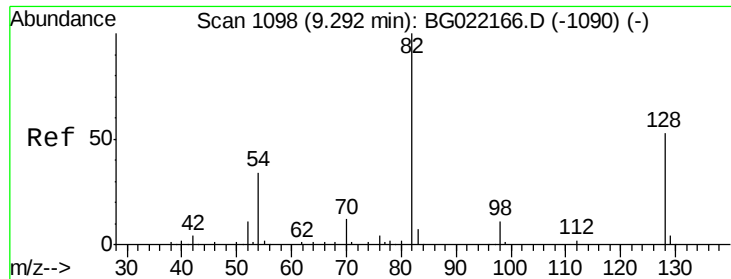
136 100

137 10.5 9.0 13.4

54 6.1 9.6 14.4#

68 5.8 6.4 9.6#

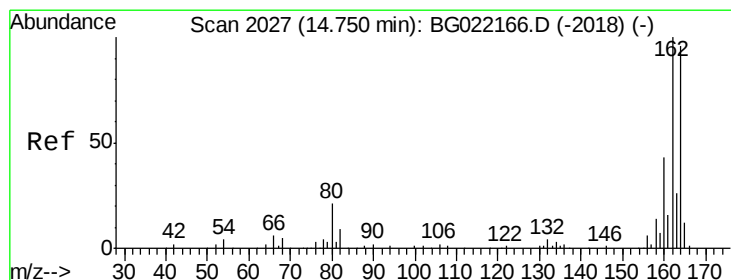
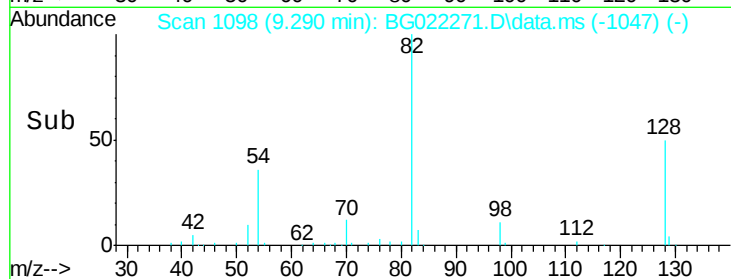
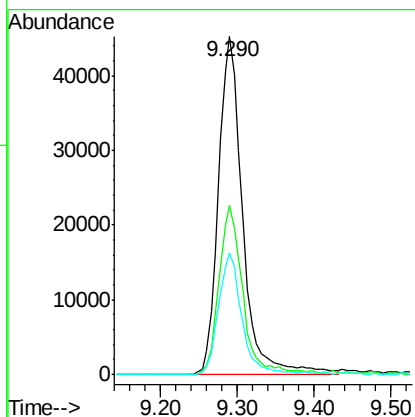
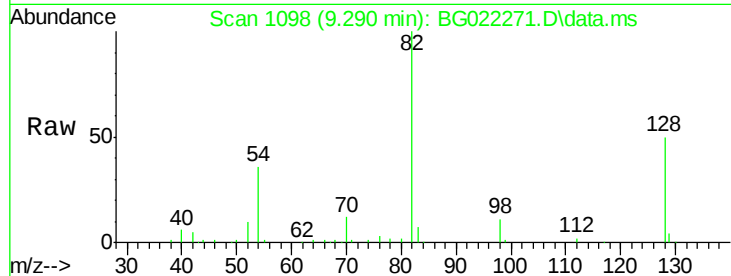




#23
Nitrobenzene-d5
Concen: 24.27 ng
RT: 9.290 min Scan# 1098
Delta R.T. -0.002 min
Lab File: BG022271.D
Acq: 9 Jun 2016 16:32

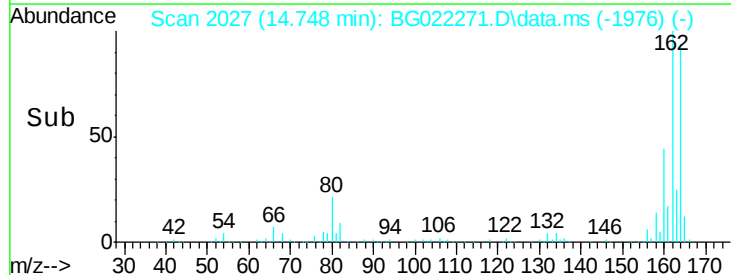
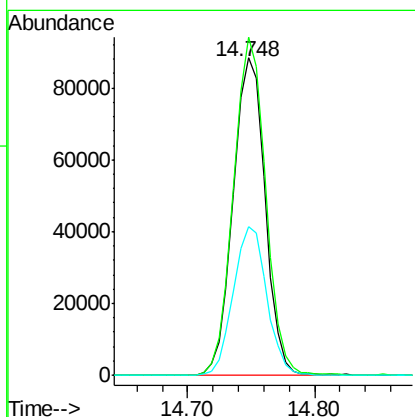
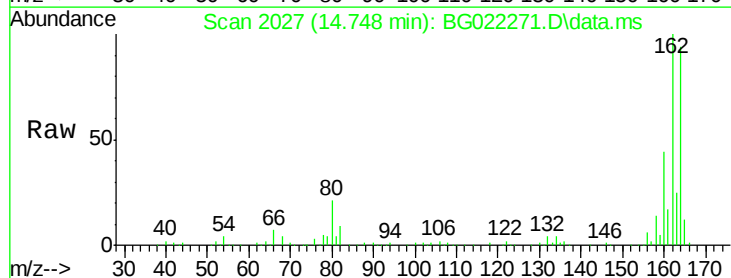
Instrument :
BNA_G
ClientSampleId :
SS-40

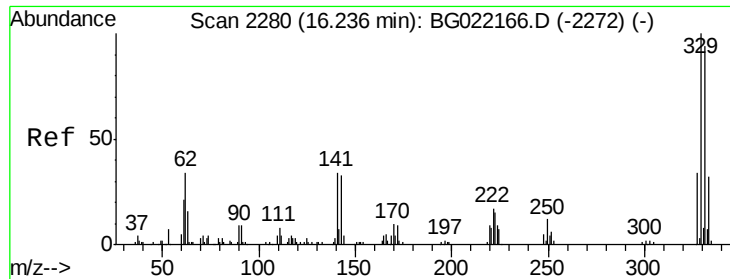
Tot Ion: 82 Resp: 98379
Ion Ratio Lower Upper
82 100
128 50.2 33.4 50.0#
54 35.9 46.1 69.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.748 min Scan# 2027
Delta R.T. -0.002 min
Lab File: BG022271.D
Acq: 9 Jun 2016 16:32

Tgt Ion: 164 Resp: 154031
Ion Ratio Lower Upper
164 100
162 106.5 78.0 117.0
160 46.9 32.9 49.3

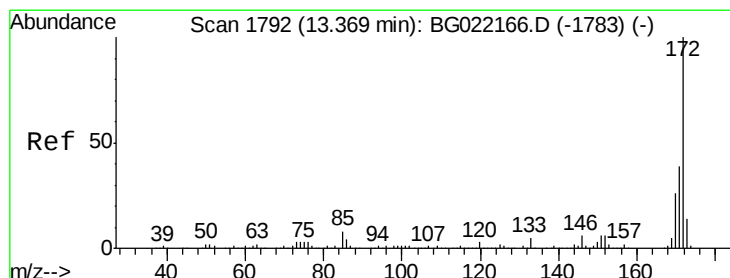
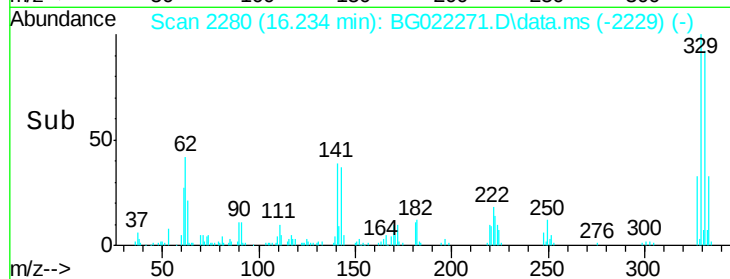
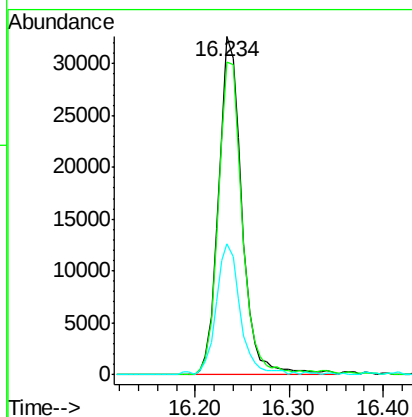
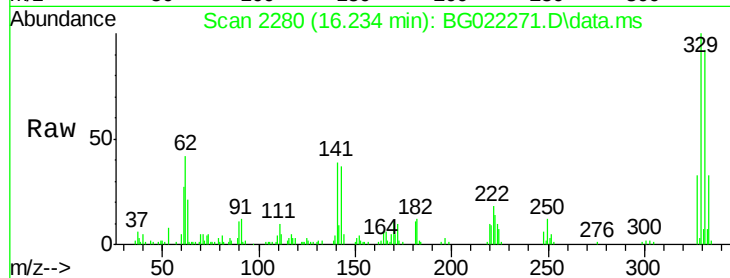




#41
 2,4,6-Tribromophenol
 Concen: 32.45 ng
 RT: 16.234 min Scan# 2280
 Delta R.T. -0.002 min
 Lab File: BG022271.D
 Acq: 9 Jun 2016 16:32

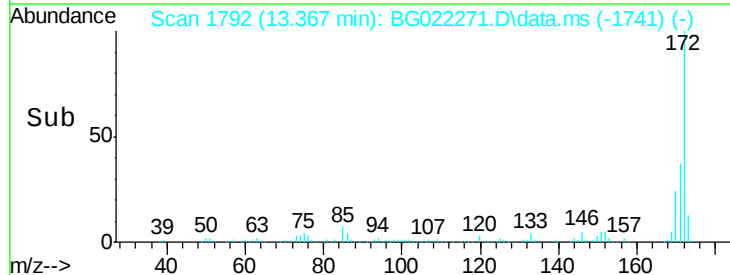
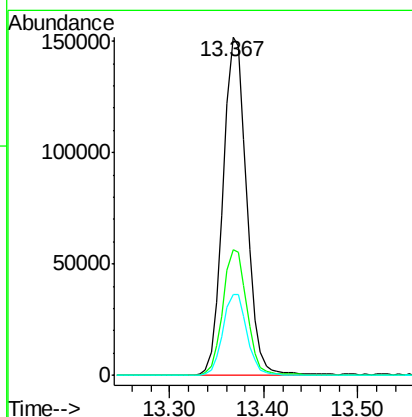
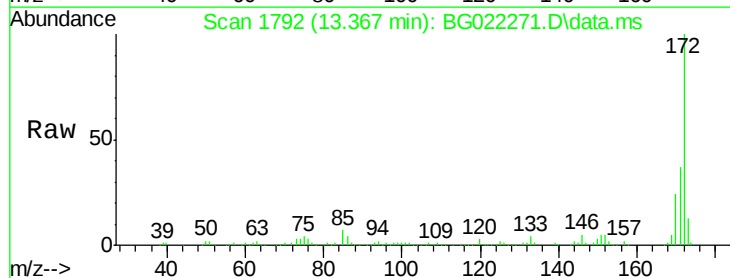
Instrument :
 BNA_G
 ClientSampleId :
 SS-40

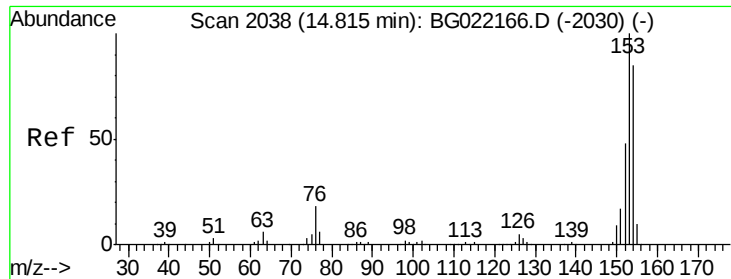
Tot Ion:330 Resp: 56483
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.0 117.0
 141 39.5 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 26.34 ng
 RT: 13.367 min Scan# 1792
 Delta R.T. -0.002 min
 Lab File: BG022271.D
 Acq: 9 Jun 2016 16:32

Tgt Ion:172 Resp: 266259
 Ion Ratio Lower Upper
 172 100
 171 37.2 27.8 41.6
 170 24.0 19.6 29.4





#51

Acenaphthene

Concen: 2.69 ng

RT: 14.813 min Scan# 2038

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

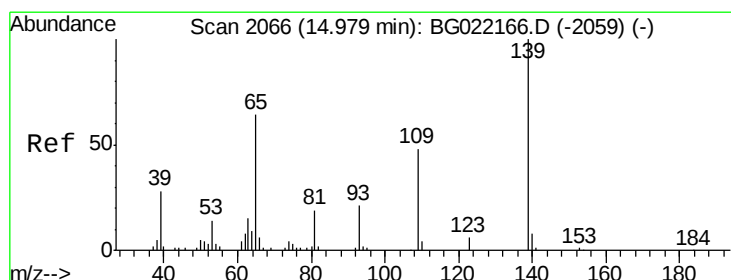
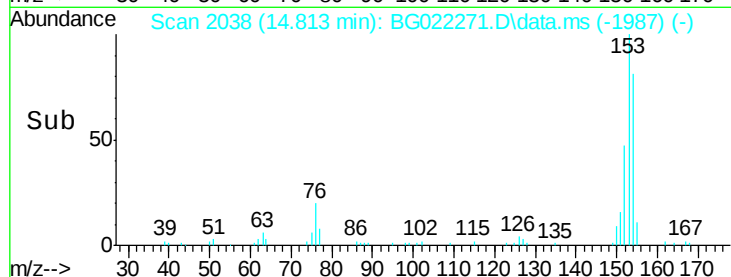
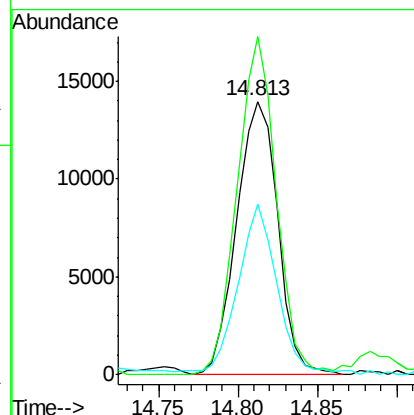
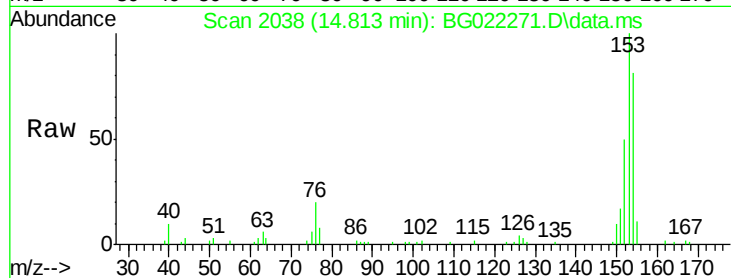
Tot Ion:154 Resp: 25129

Ion Ratio Lower Upper

154 100

153 123.7 91.9 137.9

152 62.3 42.0 63.0



#55

4-Nitrophenol

Concen: 3.25 ng

RT: 15.147 min Scan# 2095

Delta R.T. 0.168 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

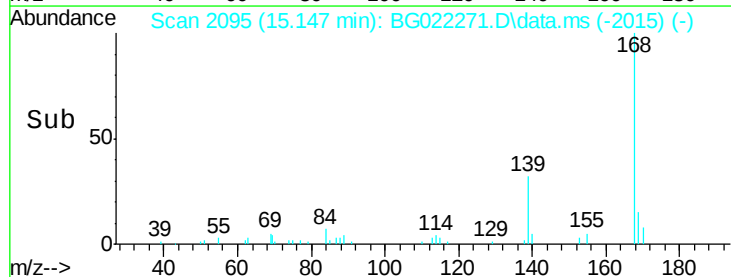
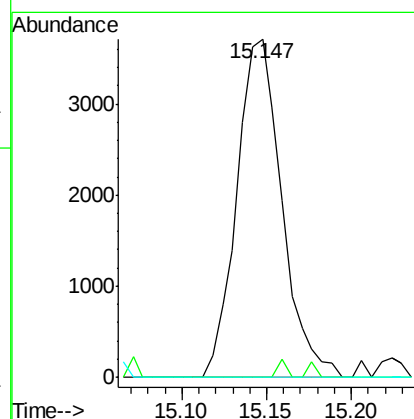
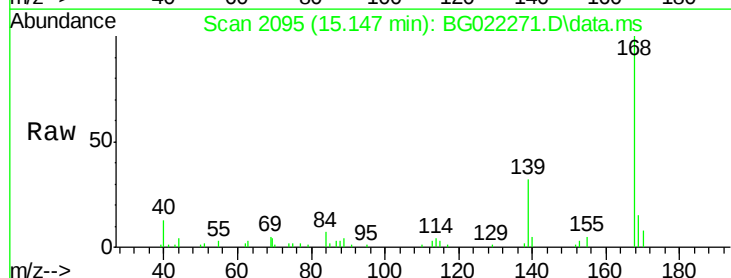
Tgt Ion:139 Resp: 6897

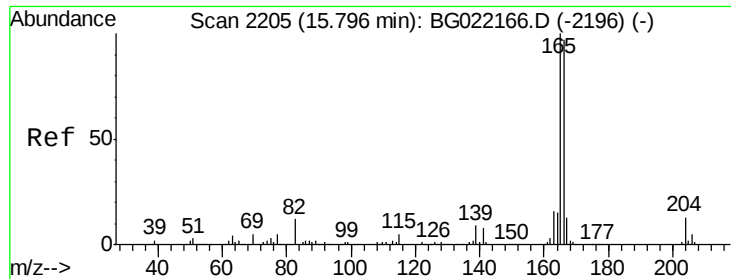
Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

65 0.0 83.2 123.2#





#57

Fluorene

Concen: 2.41 ng

RT: 15.794 min Scan# 22

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

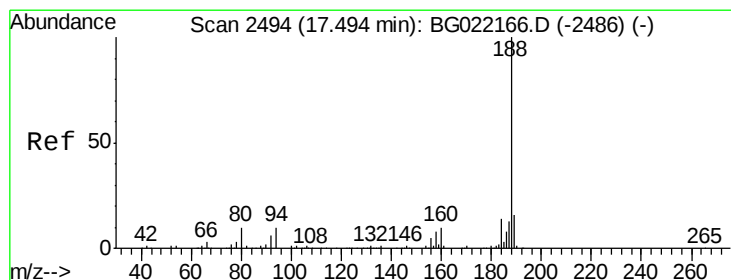
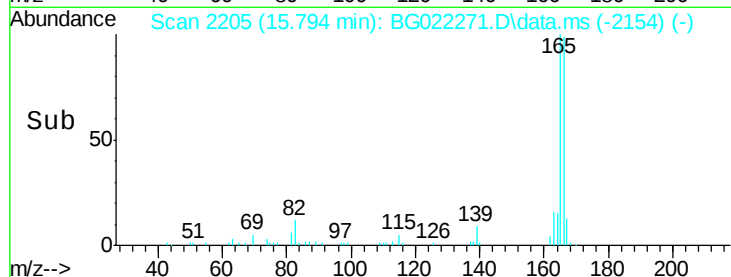
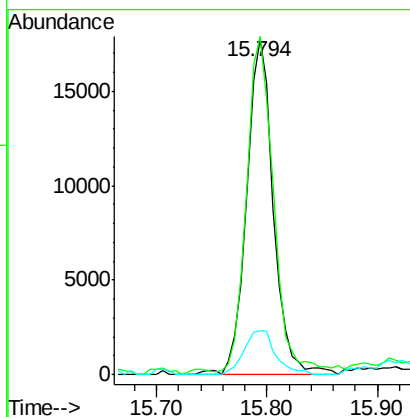
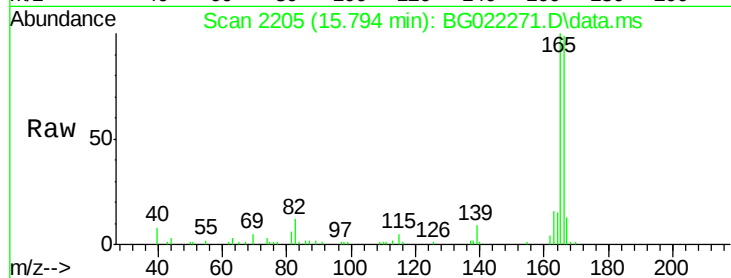
Tot Ion:166 Resp: 30208

Ion Ratio Lower Upper

166 100

165 100.6 79.0 118.4

167 13.1 10.7 16.1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.492 min Scan# 2494

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

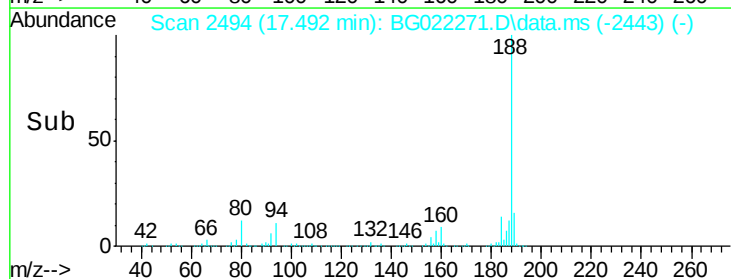
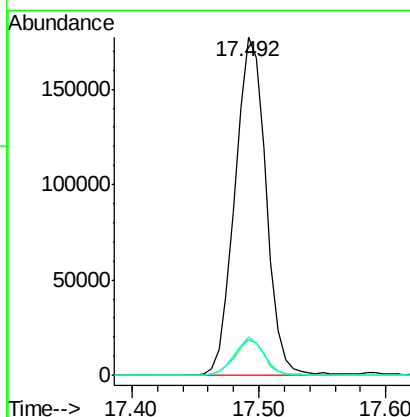
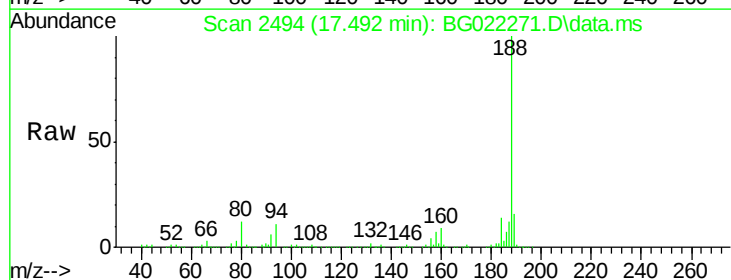
Tgt Ion:188 Resp: 299595

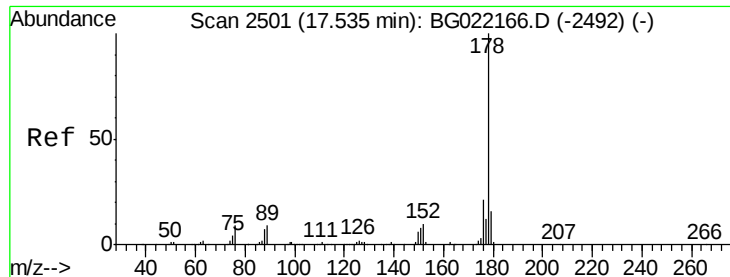
Ion Ratio Lower Upper

188 100

94 10.5 7.5 11.3

80 11.5 8.6 13.0





#70

Phenanthrene

Concen: 22.61 ng

RT: 17.533 min Scan# 25

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

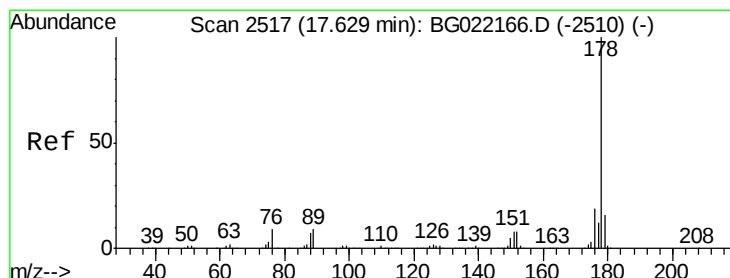
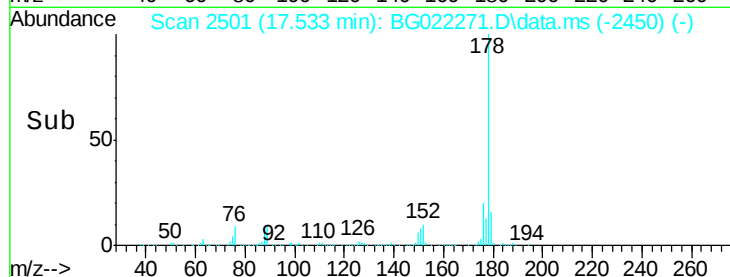
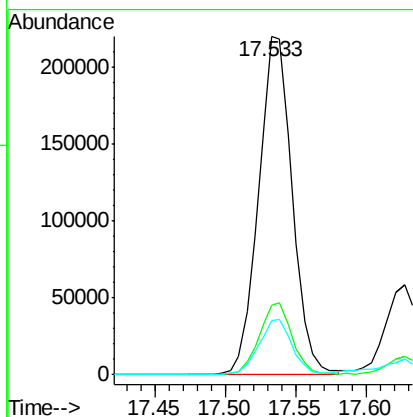
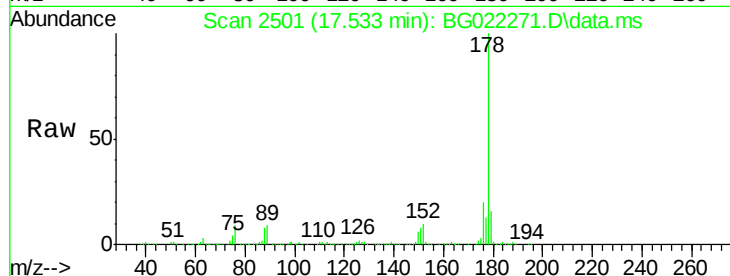
Tot Ion:178 Resp: 367918

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

179 15.9 12.0 18.0



#71

Anthracene

Concen: 5.82 ng

RT: 17.627 min Scan# 2517

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

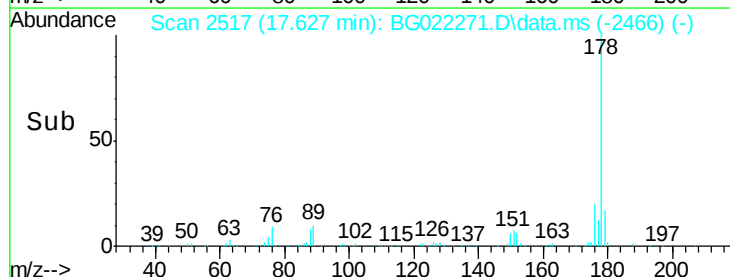
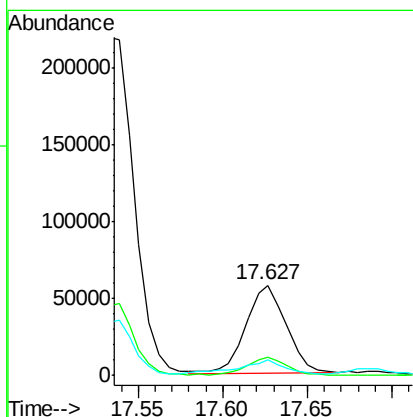
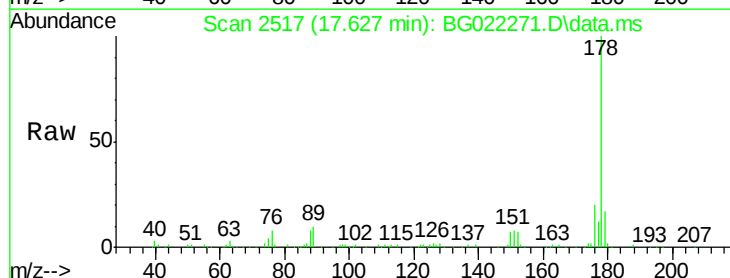
Tgt Ion:178 Resp: 93993

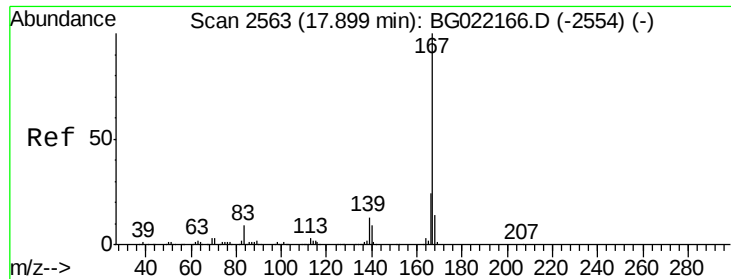
Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.4

179 16.7 12.2 18.4

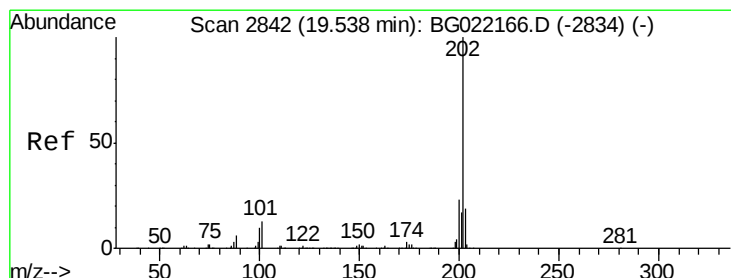
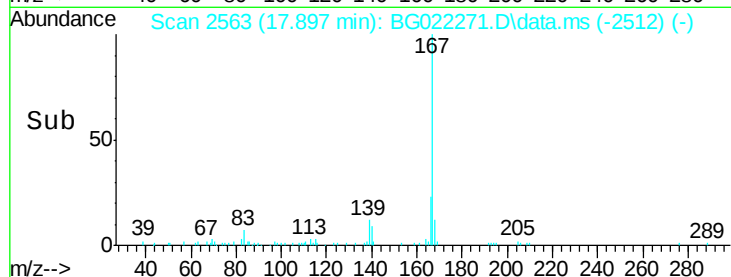
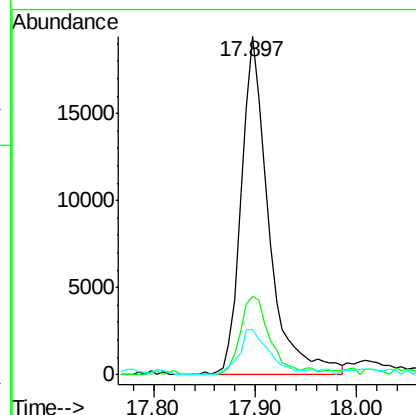
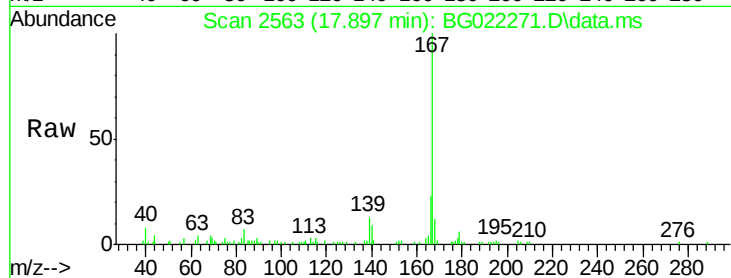




#72
 Carbazole
 Concen: 2.40 ng
 RT: 17.897 min Scan# 2563
 Delta R.T. -0.002 min
 Lab File: BG022271.D
 Acq: 9 Jun 2016 16:32

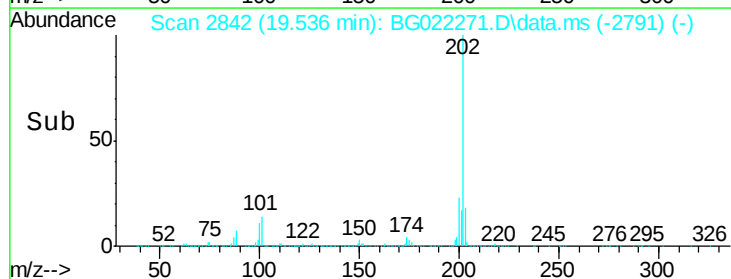
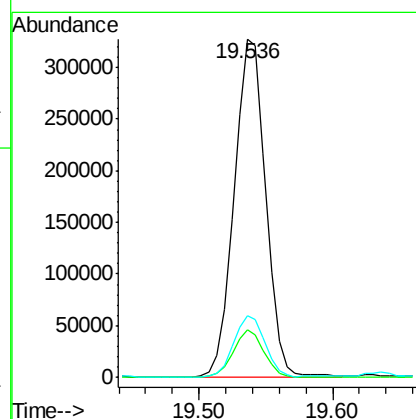
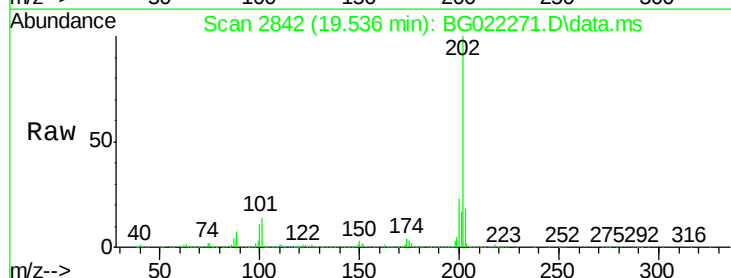
Instrument :
 BNA_G
 ClientSampleId :
 SS-40

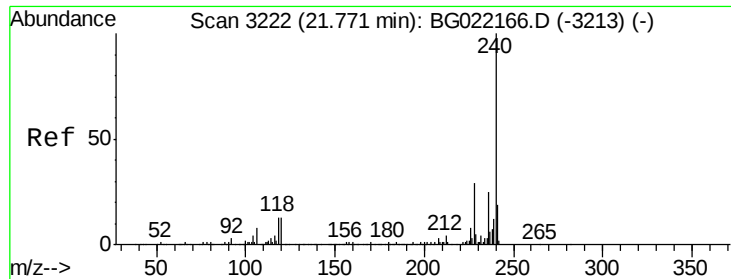
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.6	27.8
139	13.3	10.6	15.8



#74
 Fluoranthene
 Concen: 28.71 ng
 RT: 19.536 min Scan# 2842
 Delta R.T. -0.002 min
 Lab File: BG022271.D
 Acq: 9 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	31.0
203	18.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.769 min Scan# 32

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

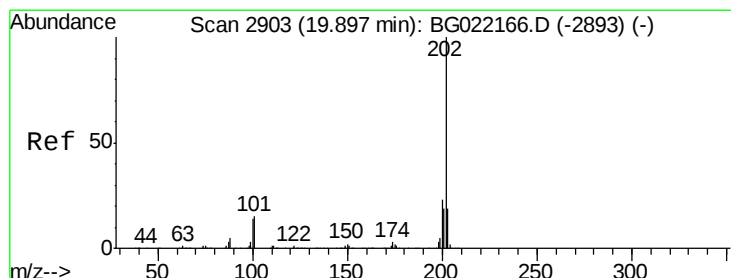
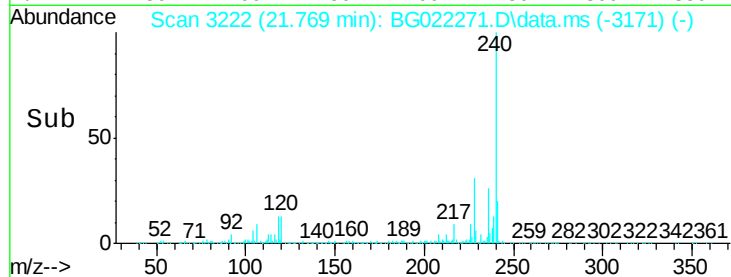
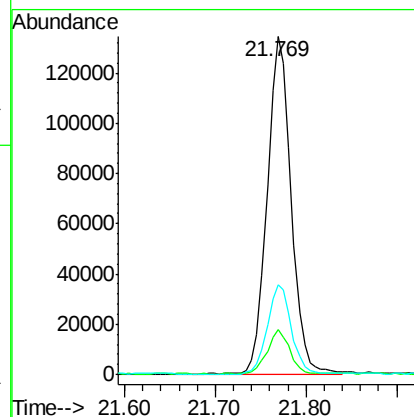
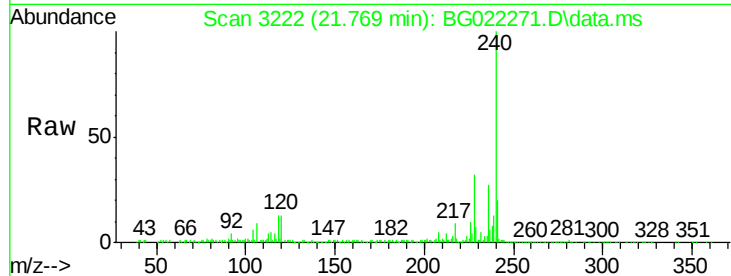
Tot Ion:240 Resp: 249182

Ion Ratio Lower Upper

240 100

120 13.5 8.4 12.6#

236 26.6 19.6 29.4



#77

Pyrene

Concen: 30.58 ng

RT: 19.901 min Scan# 2904

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

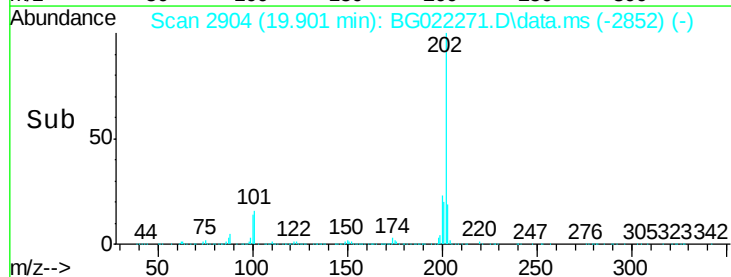
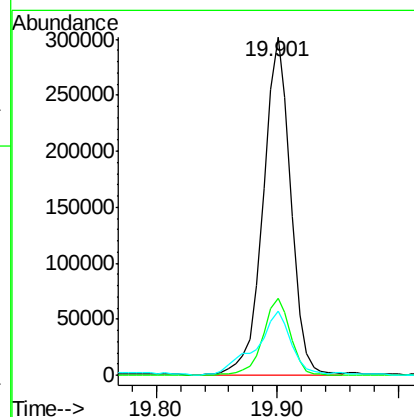
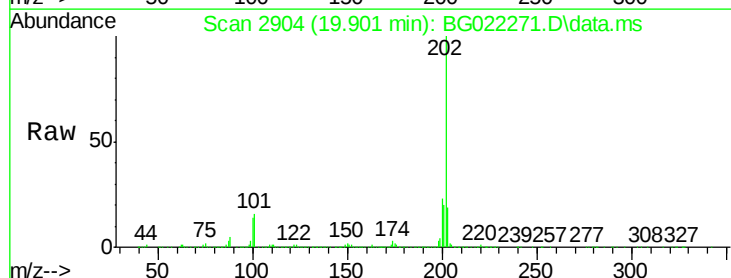
Tgt Ion:202 Resp: 473736

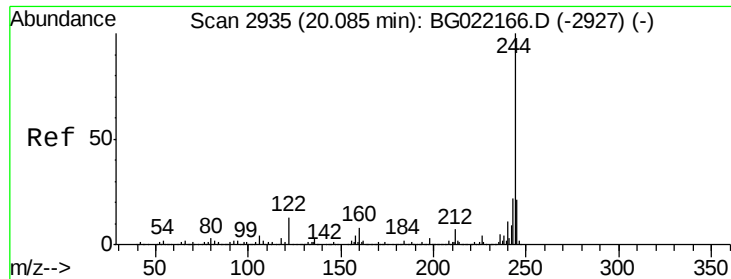
Ion Ratio Lower Upper

202 100

200 22.6 18.2 27.2

203 19.1 15.0 22.4





#78

Terphenyl-d14

Concen: 25.09 ng

RT: 20.083 min Scan# 29

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

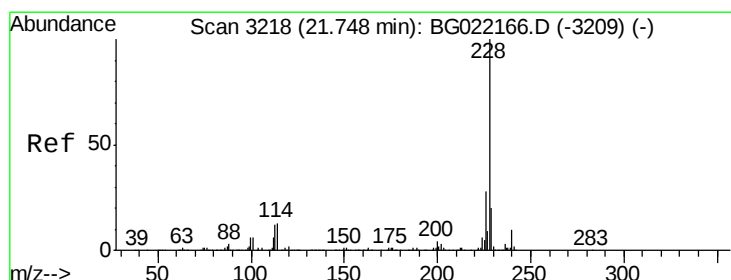
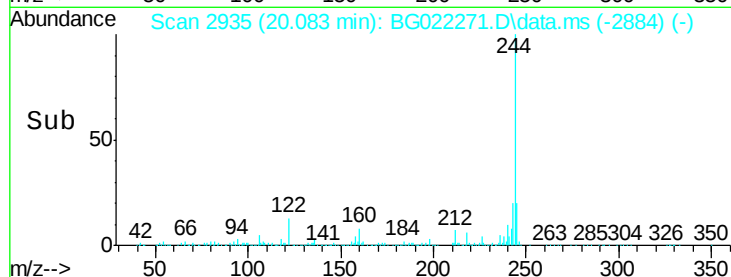
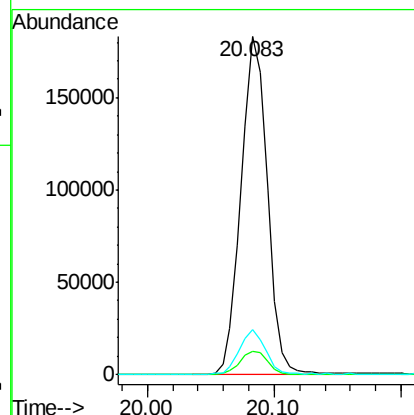
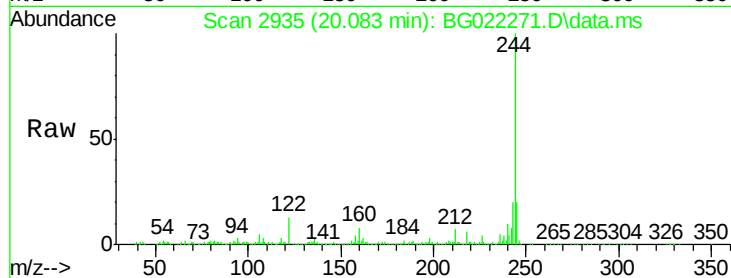
Tot Ion:244 Resp: 263358

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 13.1 8.6 12.8#



#80

Benzo(a)anthracene

Concen: 17.10 ng

RT: 21.751 min Scan# 3219

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

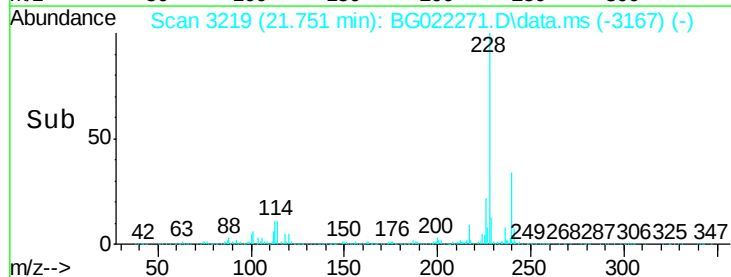
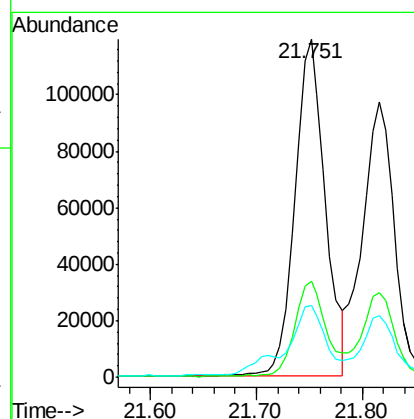
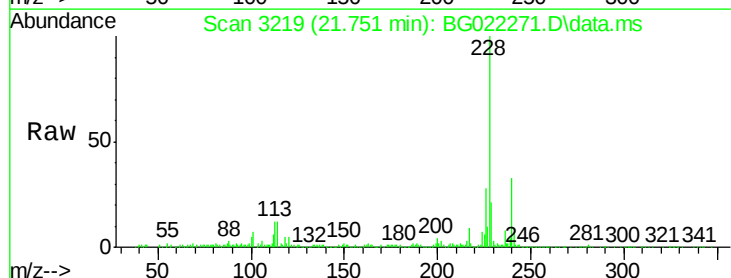
Tgt Ion:228 Resp: 238959

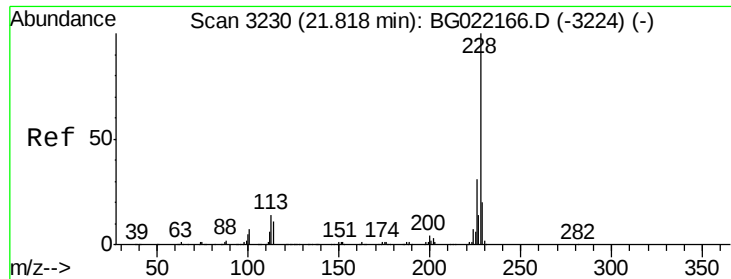
Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

229 21.1 16.1 24.1





#82

Chrysene

Concen: 15.09 ng

RT: 21.816 min Scan# 32

Delta R.T. -0.002 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

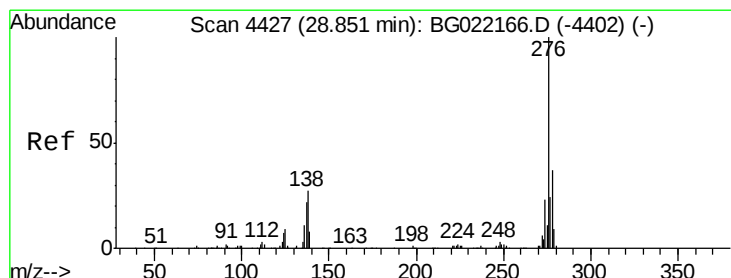
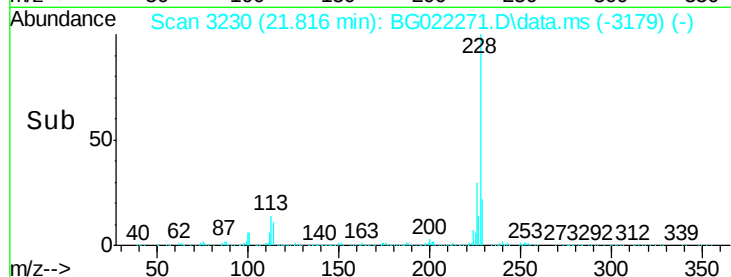
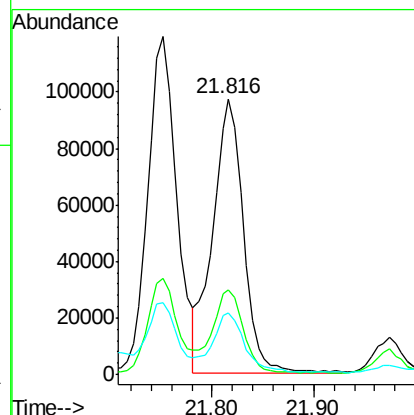
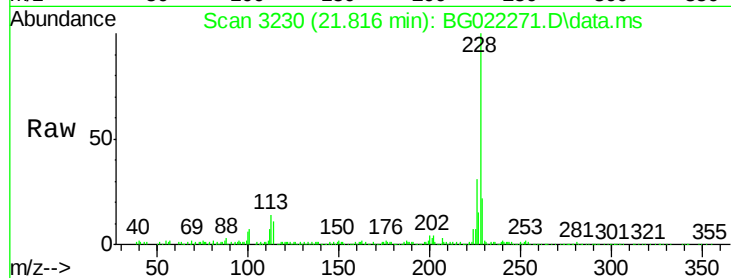
Tot Ion:228 Resp: 205240

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.0

229 22.4 15.9 23.9



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.61 ng

RT: 28.855 min Scan# 4428

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

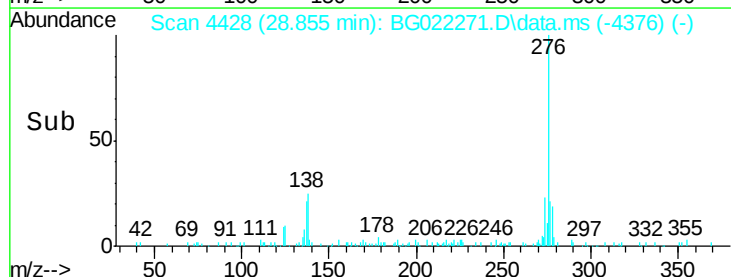
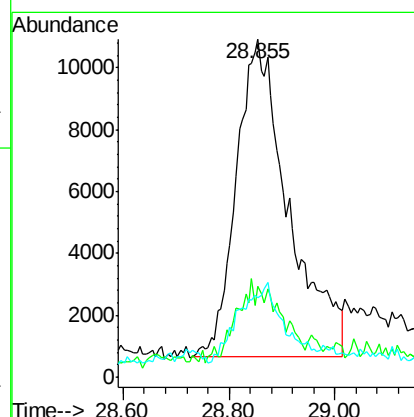
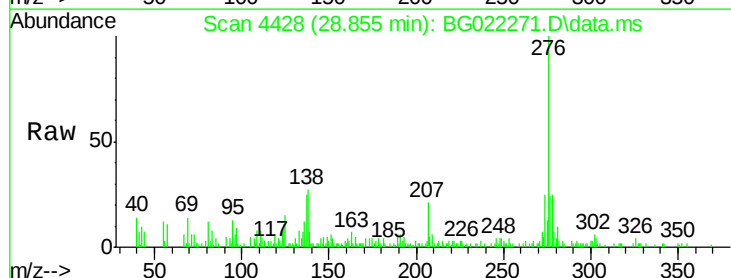
Tgt Ion:276 Resp: 70341

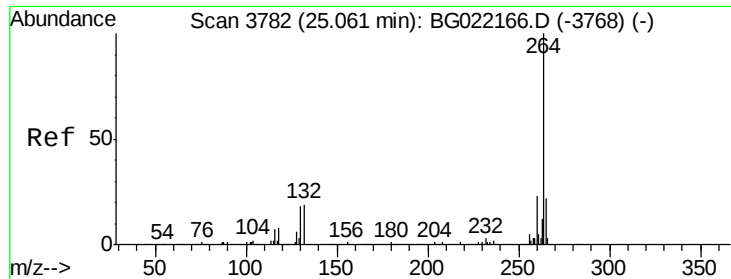
Ion Ratio Lower Upper

276 100

138 8.0 14.0 21.0#

277 0.0 20.6 30.8#

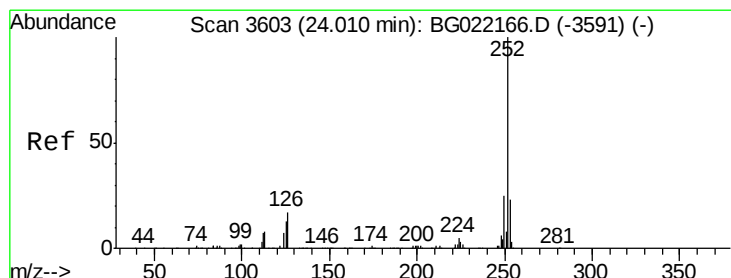
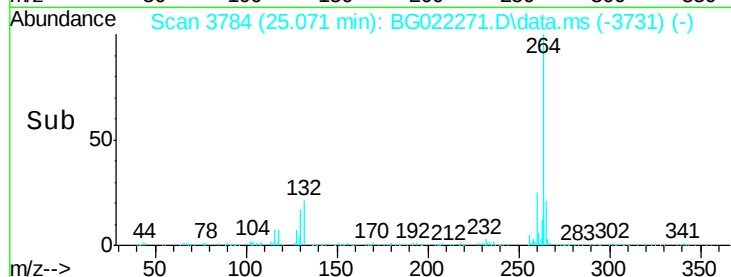
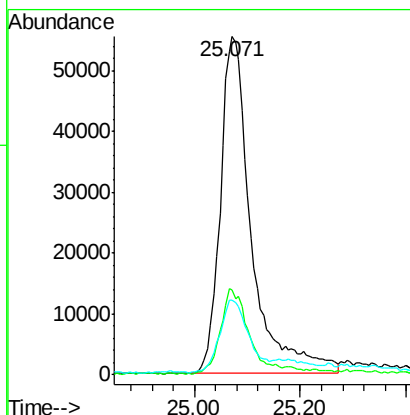
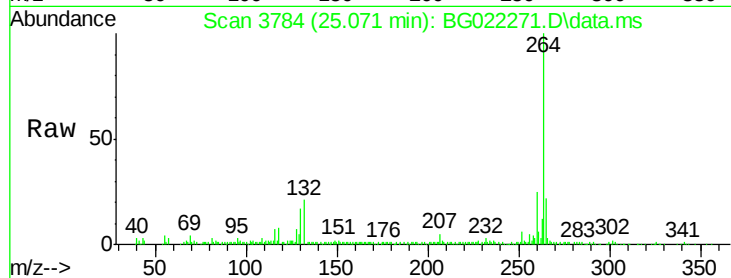




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.071 min Scan# 37
 Delta R.T. 0.010 min
 Lab File: BG022271.D
 Acq: 9 Jun 2016 16:32

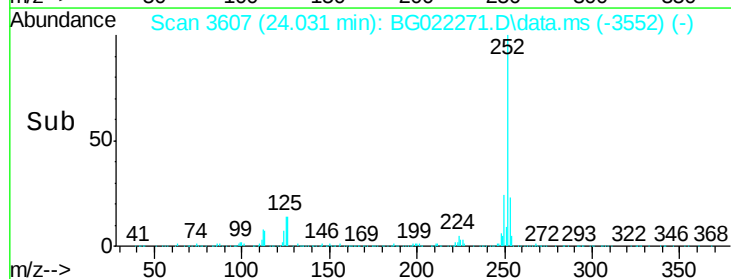
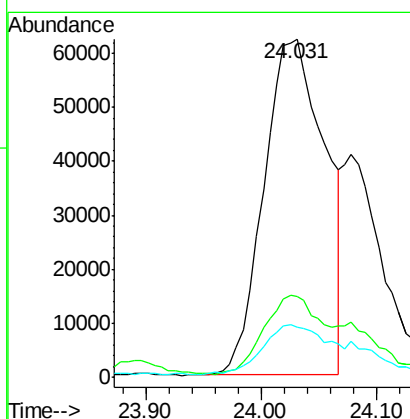
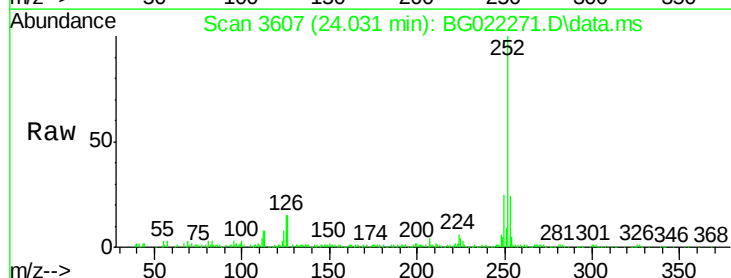
Instrument :
 BNA_G
 ClientSampleID :
 SS-40

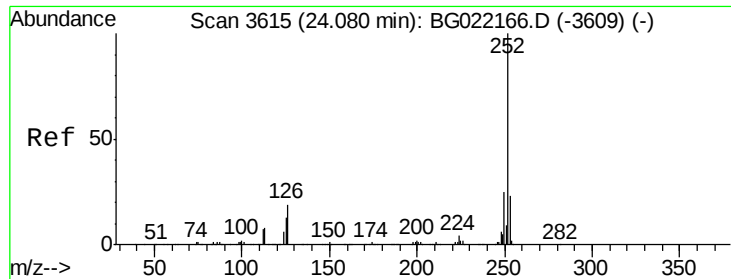
Tot Ion:264 Resp: 225408
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.2 30.4
 265 21.9 17.8 26.8



#87
 Benzo(b)fluoranthene
 Concen: 17.40 ng
 RT: 24.031 min Scan# 3607
 Delta R.T. 0.021 min
 Lab File: BG022271.D
 Acq: 9 Jun 2016 16:32

Tgt Ion:252 Resp: 228682
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.5 26.3
 125 15.0 8.6 13.0#





#88

Benzo(k)fluoranthene

Concen: 17.67 ng

RT: 24.031 min Scan# 3615

Delta R.T. -0.049 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

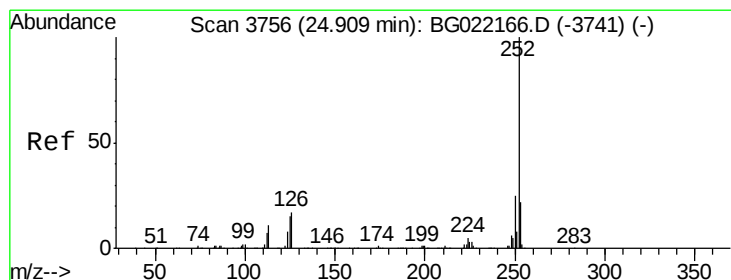
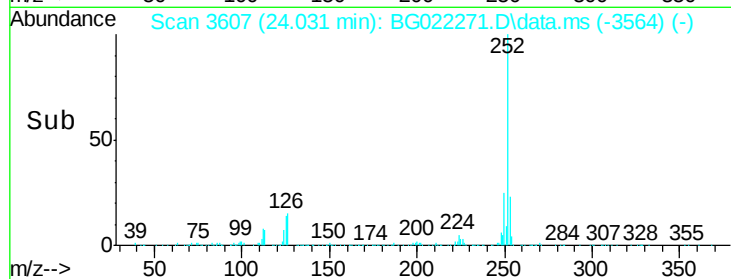
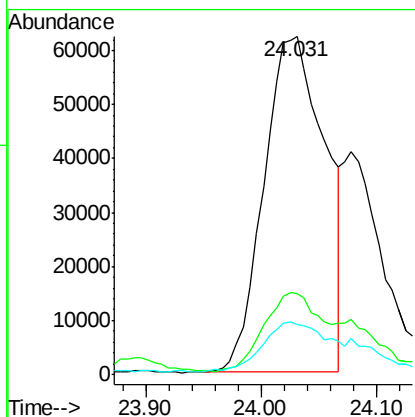
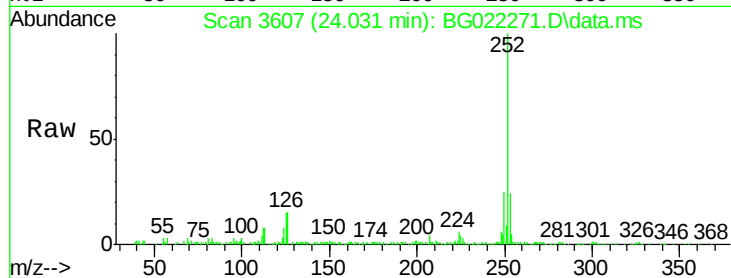
Tot Ion:252 Resp: 228682

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

125 15.0 8.3 12.5#



#89

Benzo(a)pyrene

Concen: 12.53 ng

RT: 24.912 min Scan# 3757

Delta R.T. 0.004 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

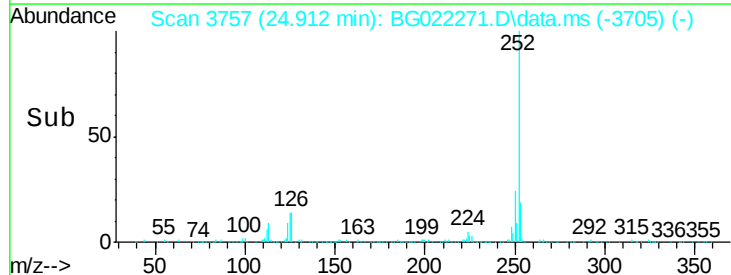
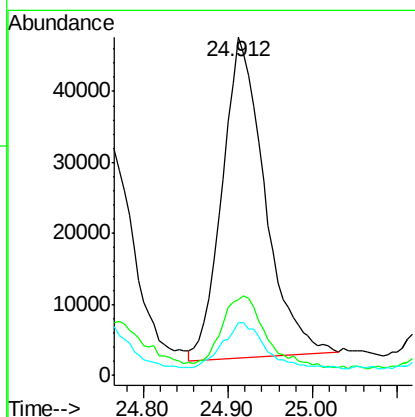
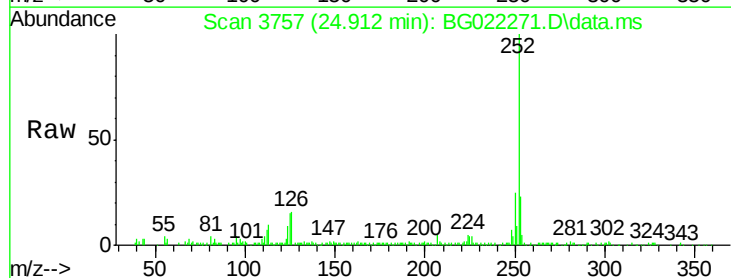
Tgt Ion:252 Resp: 157496

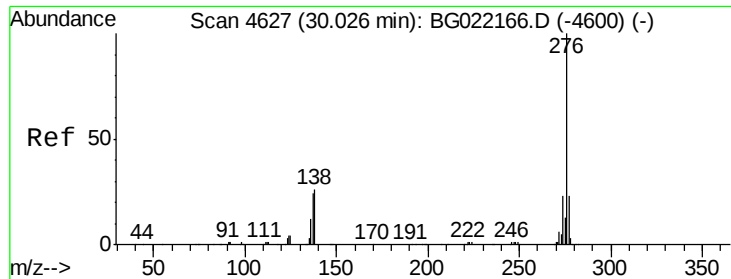
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 15.5 9.6 14.4#





#91

Benzo(a,h,i)perylene

Concen: 4.04 ng

RT: 30.036 min Scan# 46

Delta R.T. 0.010 min

Lab File: BG022271.D

Acq: 9 Jun 2016 16:32

Instrument :

BNA_G

ClientSampleId :

SS-40

Tot Ion:276 Resp: 49749

Ion Ratio Lower Upper

276 100

277 26.6 19.4 29.2

138 31.2 17.4 26.0#

