

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\RAW\
 Data File : BG022261.D
 Acq On : 9 Jun 2016 9:55
 Operator : UM/SJ
 Sample : H3402-07 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-42

Quant Time: Jun 09 13:46:43 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)

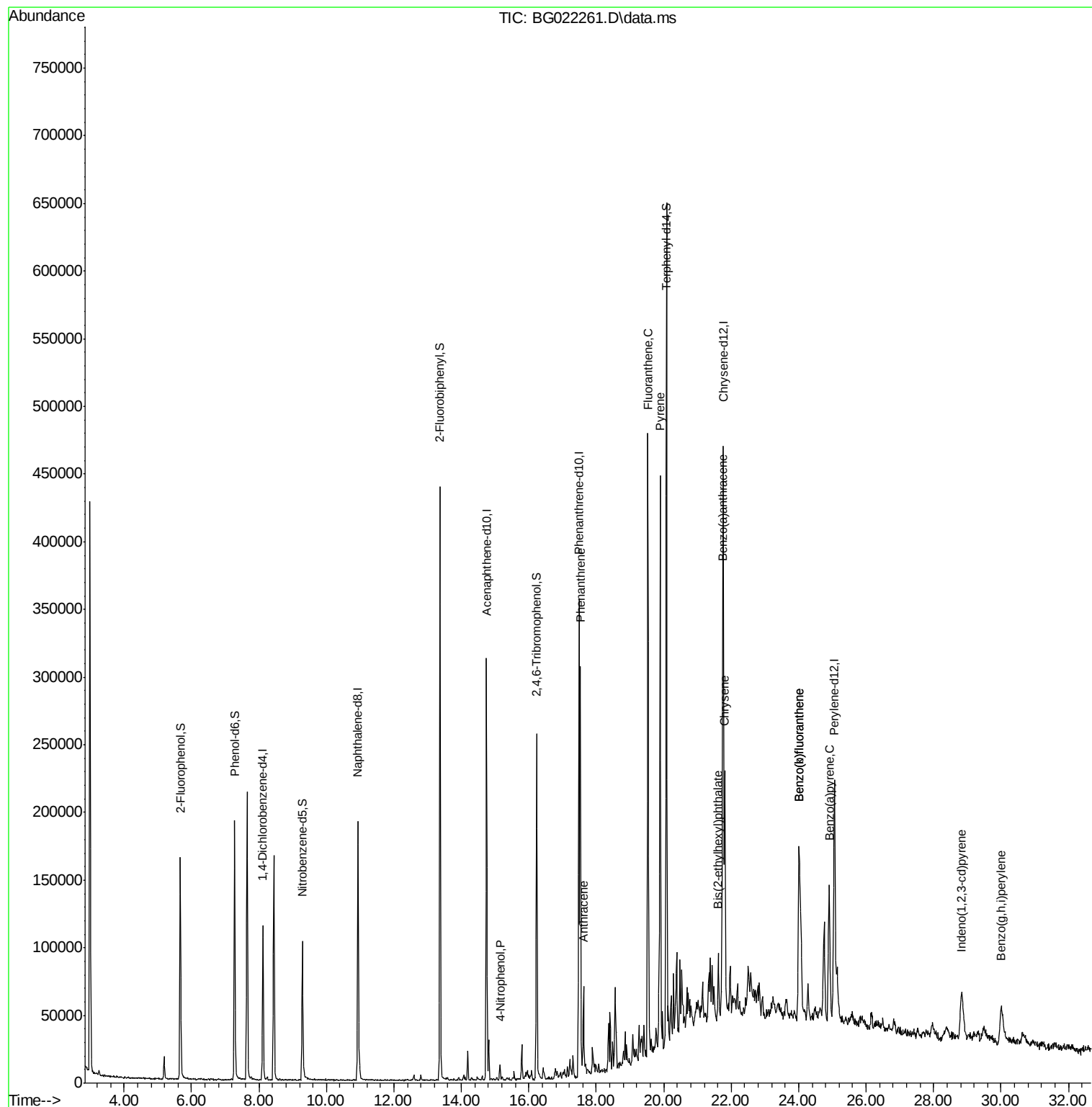
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	41459	20.00	ng	0.00
21) Naphthalene-d8	10.935	136	213272	20.00	ng	0.00
38) Acenaphthene-d10	14.742	164	126260	20.00	ng	0.00
63) Phenanthrene-d10	17.486	188	248558	20.00	ng	0.00
75) Chrysene-d12	21.763	240	212662	20.00	ng	0.00
86) Perylene-d12	25.059	264	205729	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.664	112	112379	52.41	ng	0.00
7) Phenol-d6	7.274	99	176470	52.34	ng	0.00
23) Nitrobenzene-d5	9.284	82	92530	30.25	ng	0.00
41) 2,4,6-Tribromophenol	16.234	330	56761	39.79	ng	0.00
44) 2-Fluorobiphenyl	13.367	172	265959	32.10	ng	0.00
78) Terphenyl-d14	20.083	244	295319	32.97	ng	0.00
Target Compounds						
						Qvalue
55) 4-Nitrophenol	15.147	139	3704	2.13	ng	# 5
70) Phenanthrene	17.533	178	208363	15.43	ng	97
71) Anthracene	17.621	178	53182	3.97	ng	97
74) Fluoranthene	19.536	202	311587	20.08	ng	98
77) Pyrene	19.895	202	280727	21.23	ng	99
80) Benzo(a)anthracene	21.746	228	145511	12.20	ng	98
82) Chrysene	21.810	228	123352	10.63	ng	97
83) Bis(2-ethylhexyl)phtha...	21.616	149	21817	2.42	ng	94
85) Indeno(1,2,3-cd)pyrene	28.814	276	66900	5.14	ng	# 94
87) Benzo(b)fluoranthene	24.013	252	159431	13.29	ng	# 95
88) Benzo(k)fluoranthene	24.013	252	159431	13.50	ng	# 95
89) Benzo(a)pyrene	24.907	252	118416	10.32	ng	98
91) Benzo(a,h,i)perylene	30.006	276	26865	2.39	ng	# 90

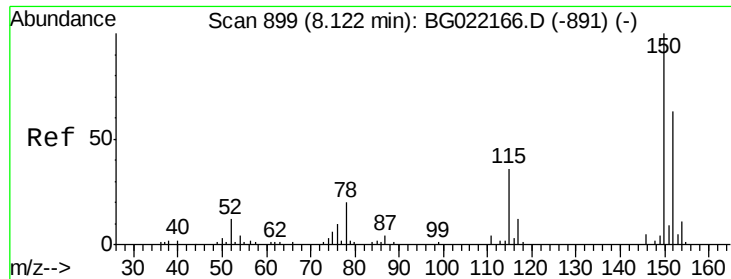
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.114 min Scan# 89

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

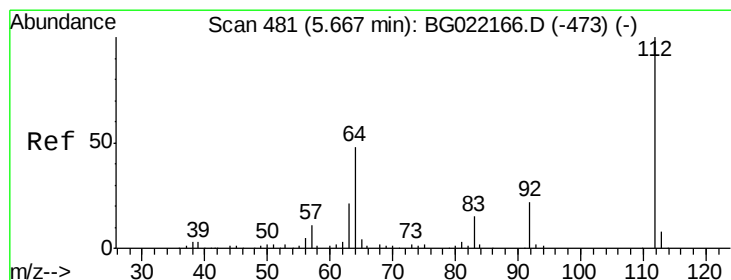
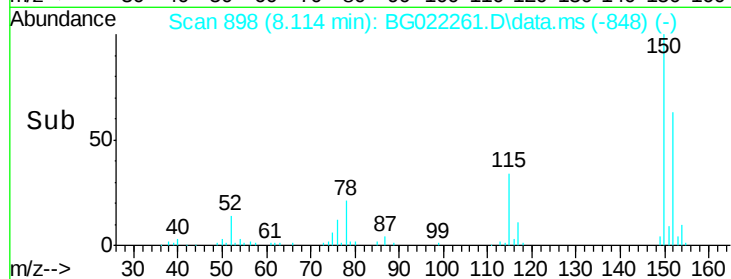
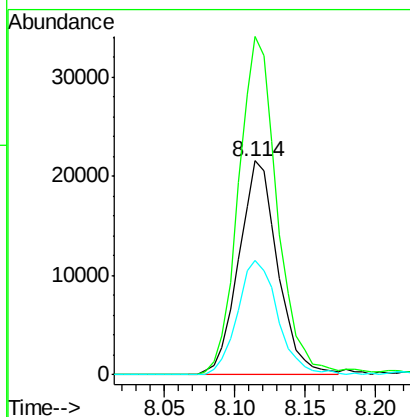
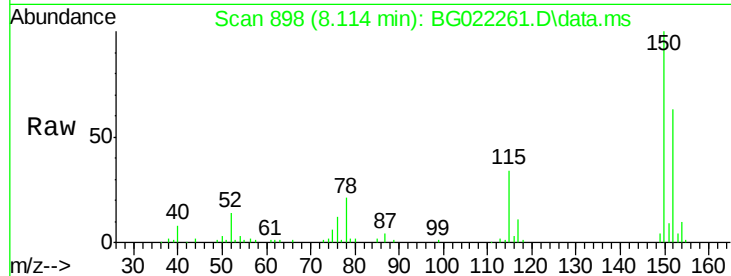
Tot Ion:152 Resp: 41459

Ion Ratio Lower Upper

152 100

150 158.1 130.1 195.1

115 53.3 62.2 93.2#



#5

2-Fluorophenol

Concen: 52.41 ng

RT: 5.664 min Scan# 481

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

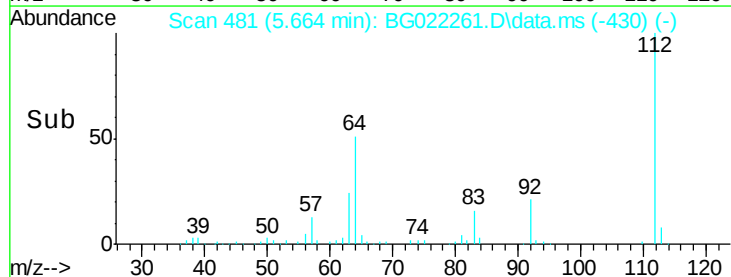
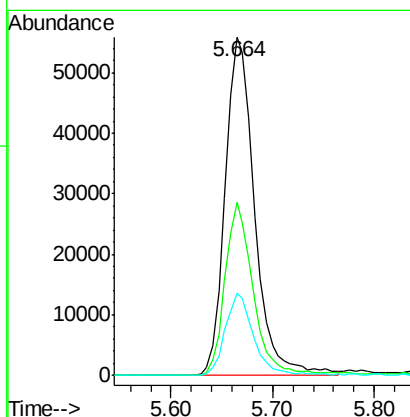
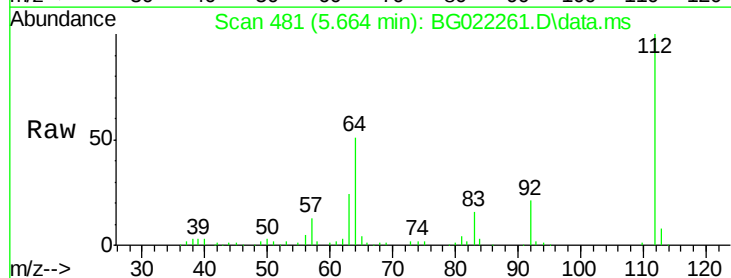
Tgt Ion:112 Resp: 112379

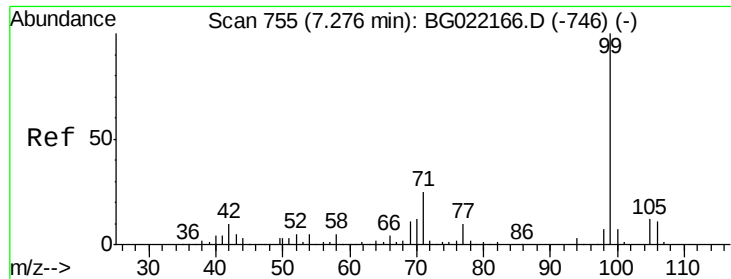
Ion Ratio Lower Upper

112 100

64 51.1 51.1 76.7#

63 24.4 24.6 37.0#





#7

Phenol-d6

Concen: 52.34 ng

RT: 7.274 min Scan# 75

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

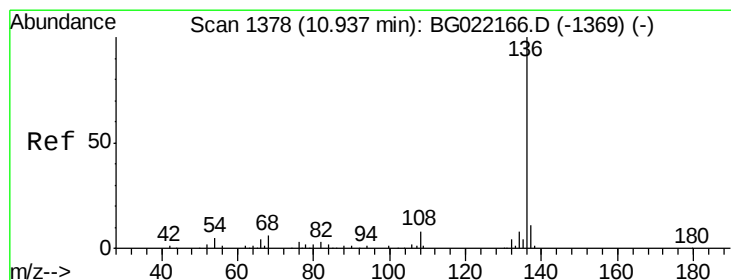
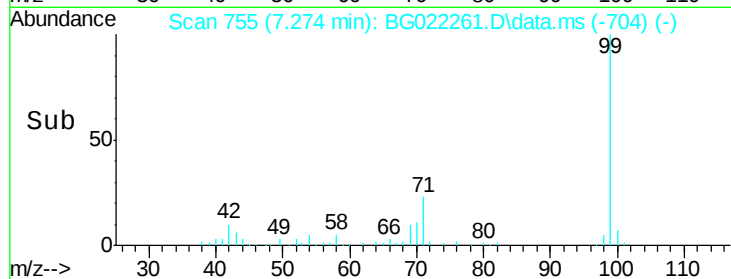
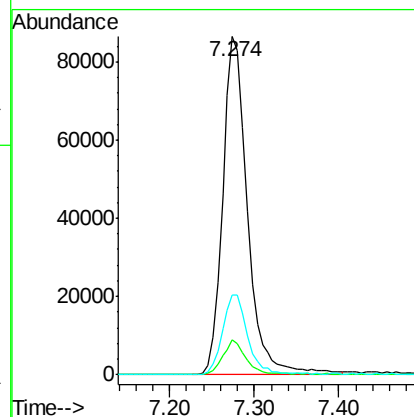
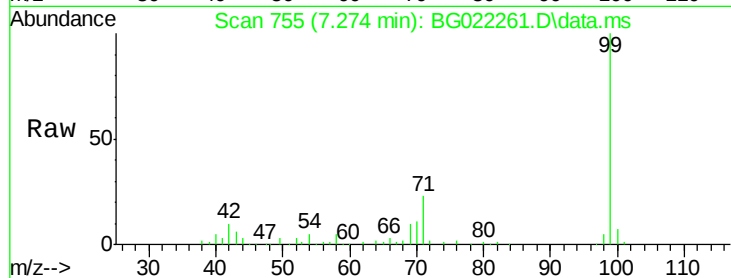
Tot Ion: 99 Resp: 176470

Ion Ratio Lower Upper

99 100

42 10.3 16.4 24.6#

71 23.4 25.0 37.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.935 min Scan# 1378

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Tgt Ion: 136 Resp: 213272

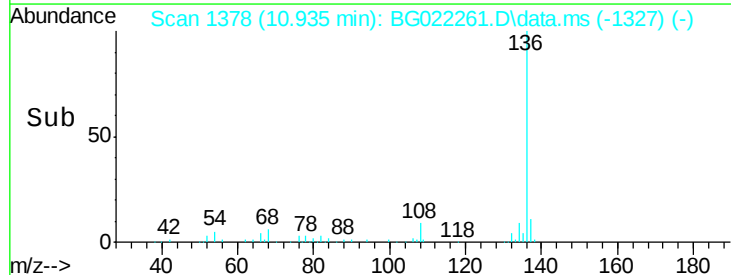
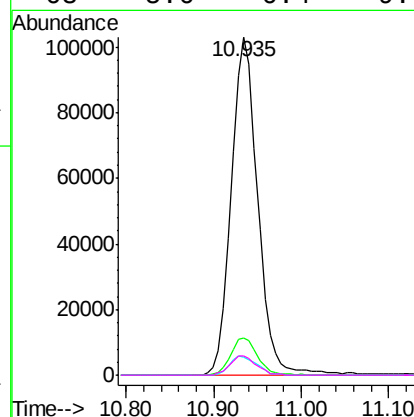
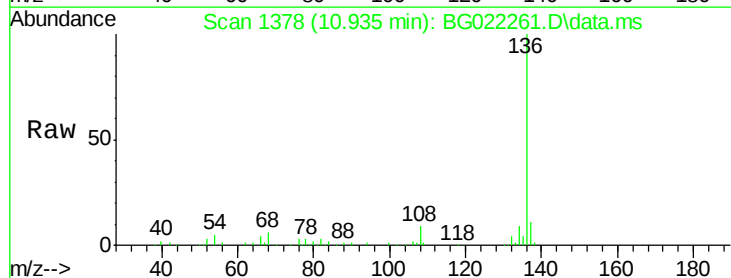
Ion Ratio Lower Upper

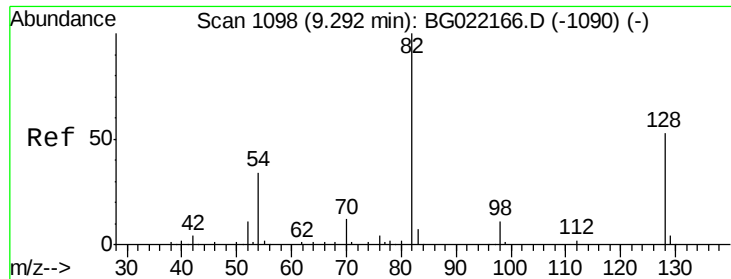
136 100

137 11.2 9.0 13.4

54 5.4 9.6 14.4#

68 5.6 6.4 9.6#





#23

Nitrobenzene-d5

Concen: 30.25 ng

RT: 9.284 min Scan# 10

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

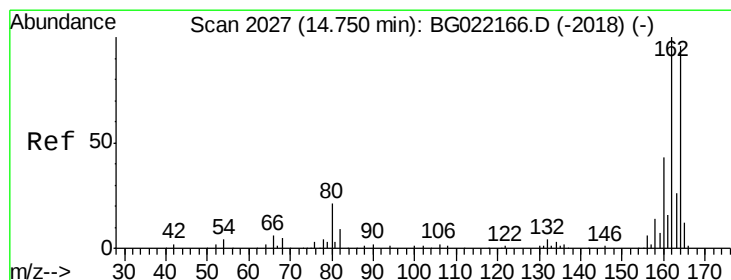
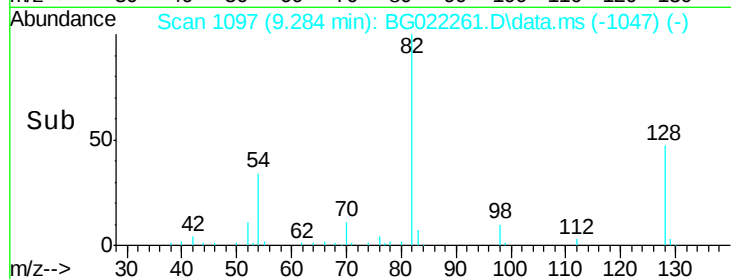
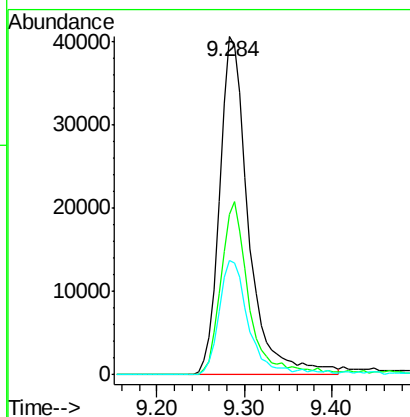
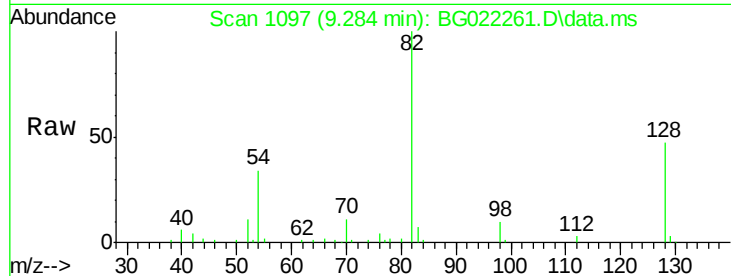
Tot Ion: 82 Resp: 92530

Ion Ratio Lower Upper

82 100

128 47.3 33.4 50.0

54 33.7 46.1 69.1#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.742 min Scan# 2026

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

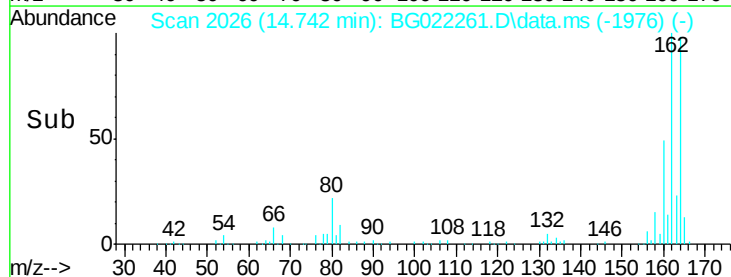
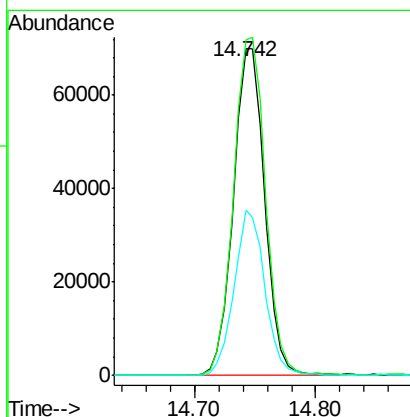
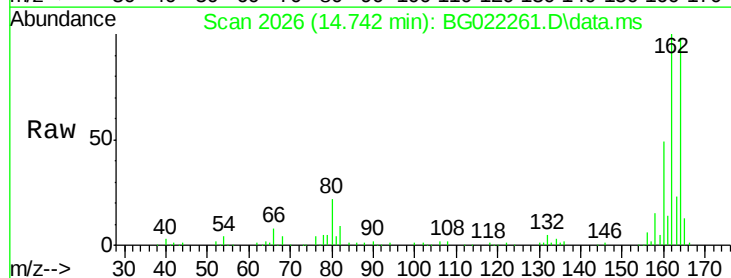
Tgt Ion: 164 Resp: 126260

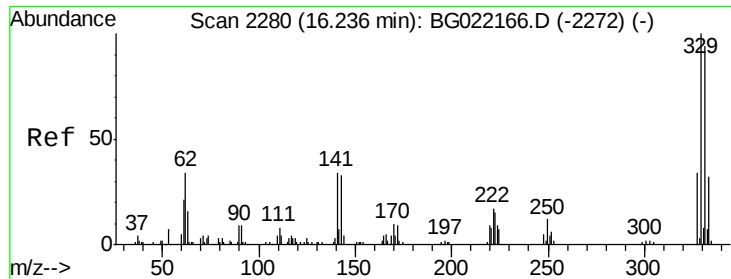
Ion Ratio Lower Upper

164 100

162 102.5 78.0 117.0

160 50.5 32.9 49.3#

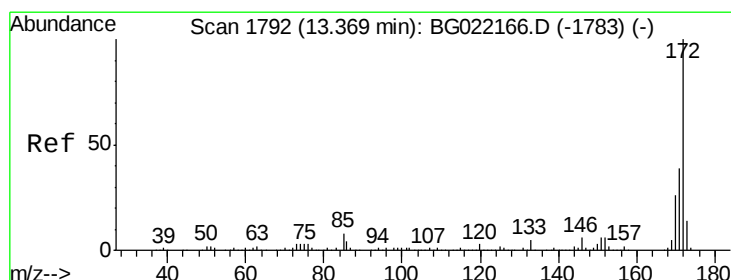
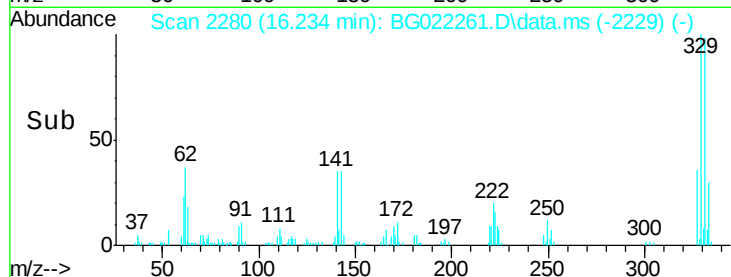
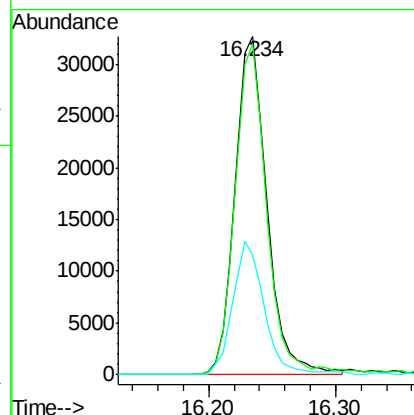
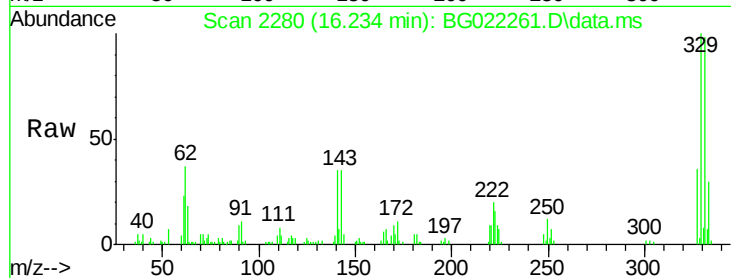




#41
 2,4,6-Tribromophenol
 Concen: 39.79 ng
 RT: 16.234 min Scan# 22
 Delta R.T. -0.002 min
 Lab File: BG022261.D
 Acq: 9 Jun 2016 9:55

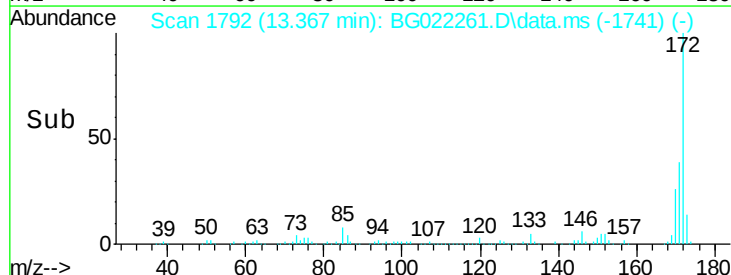
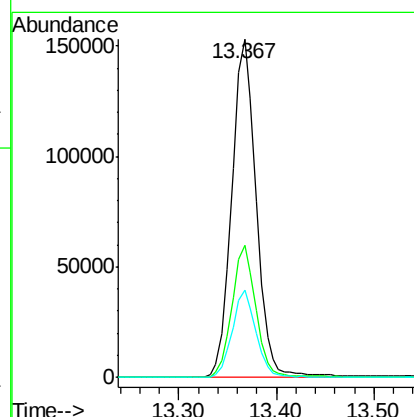
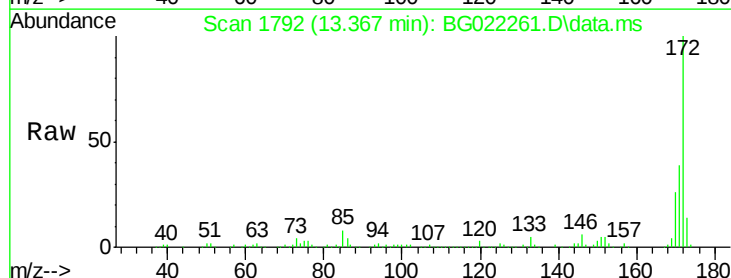
Instrument :
 BNA_G
 ClientSampleId :
 SS-42

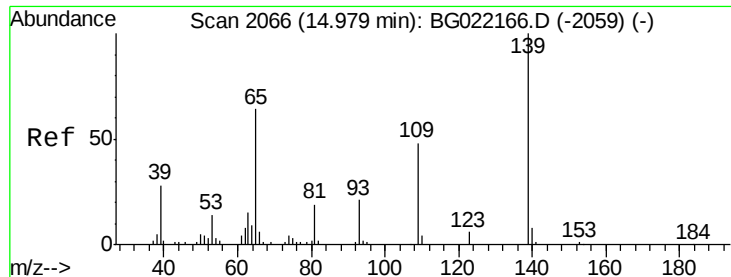
Tot Ion:330 Resp: 56761
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.0 117.0
 141 38.8 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 32.10 ng
 RT: 13.367 min Scan# 1792
 Delta R.T. -0.002 min
 Lab File: BG022261.D
 Acq: 9 Jun 2016 9:55

Tgt Ion:172 Resp: 265959
 Ion Ratio Lower Upper
 172 100
 171 39.0 27.8 41.6
 170 25.9 19.6 29.4





#55

4-Nitrophenol

Concen: 2.13 ng

RT: 15.147 min Scan# 20

Delta R.T. 0.168 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

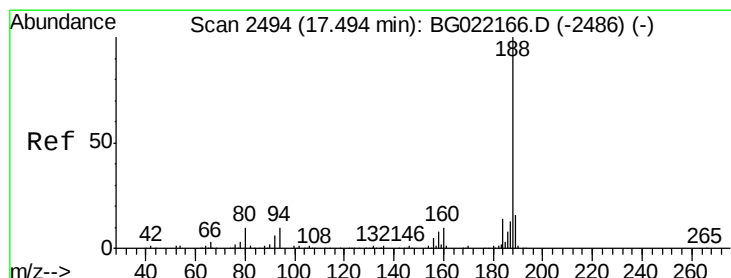
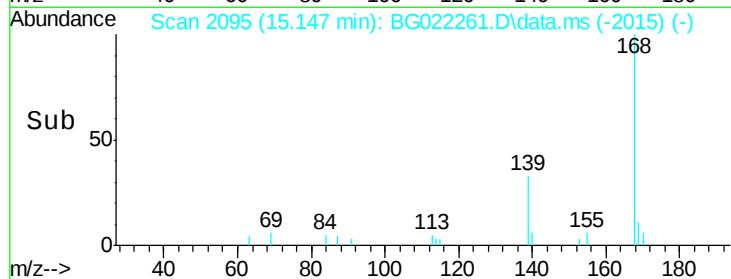
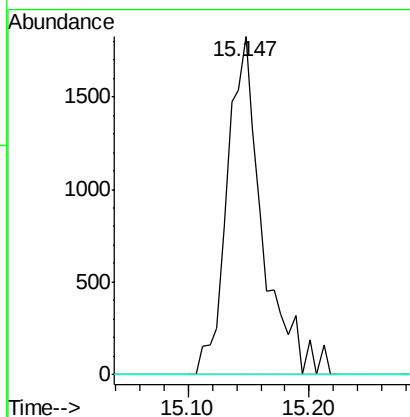
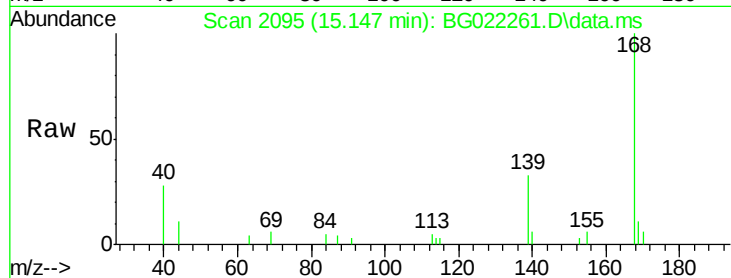
Tot Ion:139 Resp: 3704

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

65 0.0 83.2 123.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.486 min Scan# 2493

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

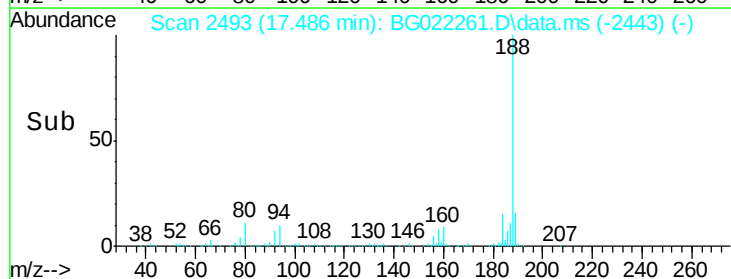
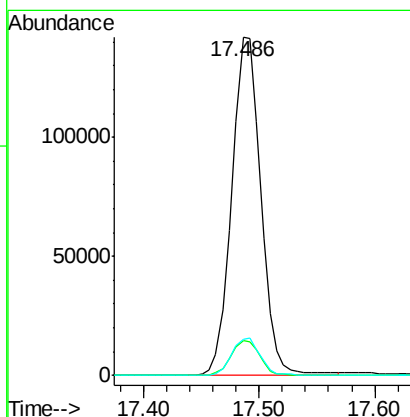
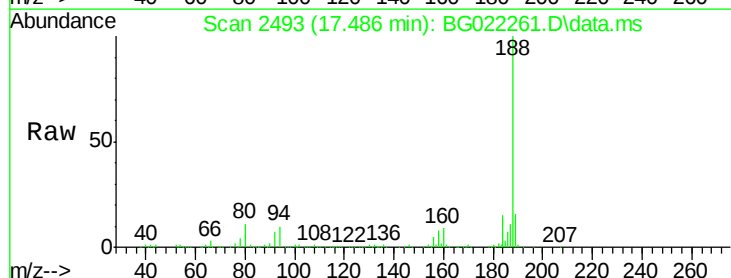
Tgt Ion:188 Resp: 248558

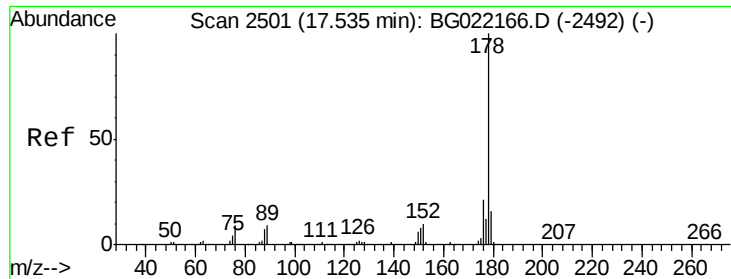
Ion Ratio Lower Upper

188 100

94 10.1 7.5 11.3

80 10.6 8.6 13.0





#70

Phenanthrene

Concen: 15.43 ng

RT: 17.533 min Scan# 25

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

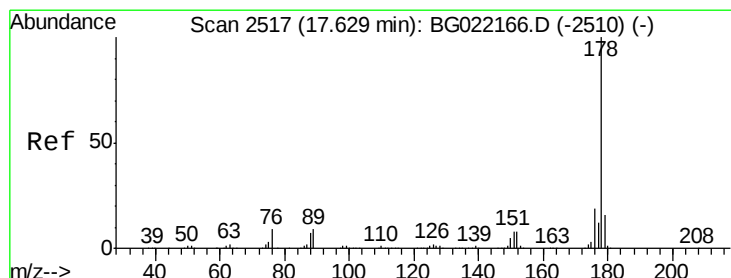
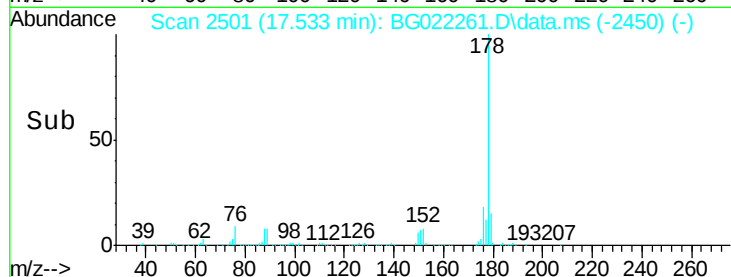
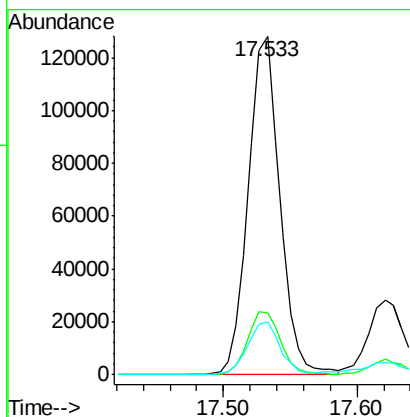
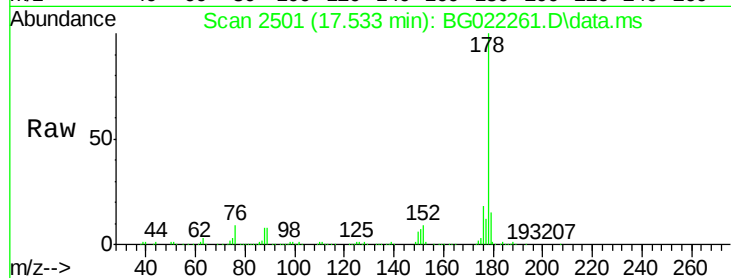
Tot Ion:178 Resp: 208363

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

179 15.4 12.0 18.0



#71

Anthracene

Concen: 3.97 ng

RT: 17.621 min Scan# 2516

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

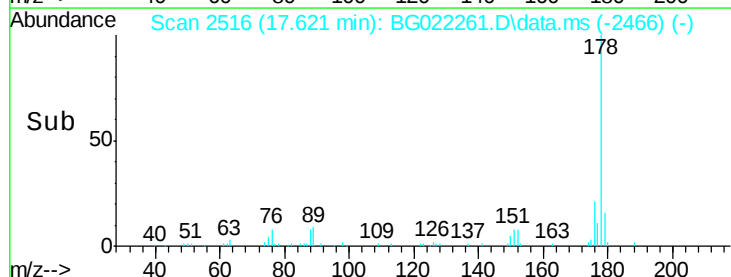
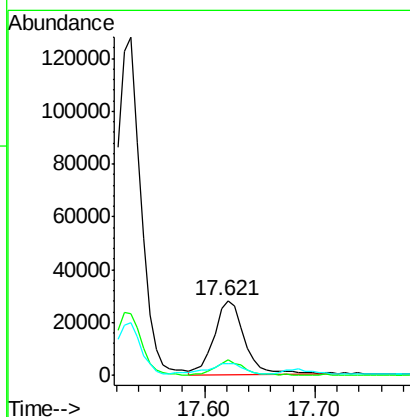
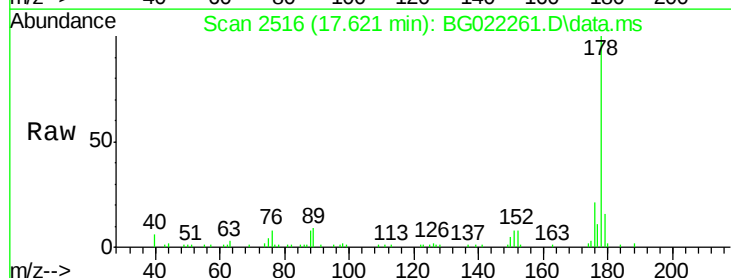
Tgt Ion:178 Resp: 53182

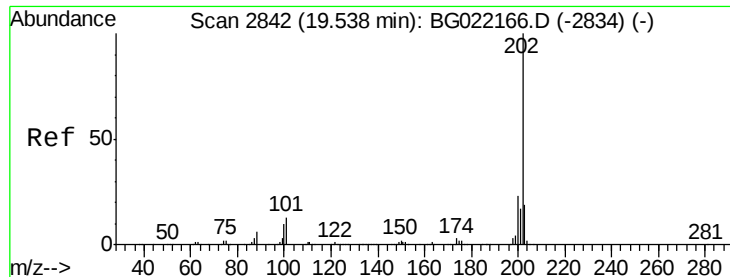
Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.4

179 15.8 12.2 18.4





#74

Fluoranthene

Concen: 20.08 ng

RT: 19.536 min Scan# 28

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

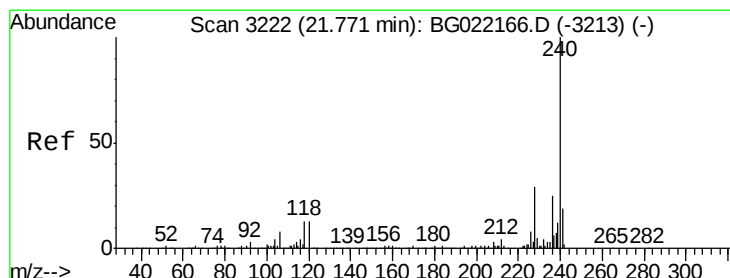
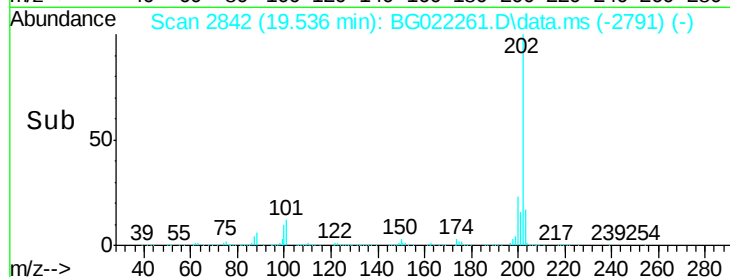
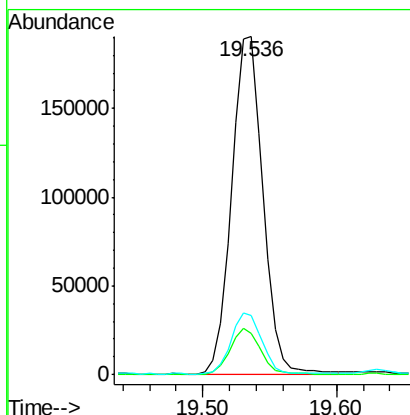
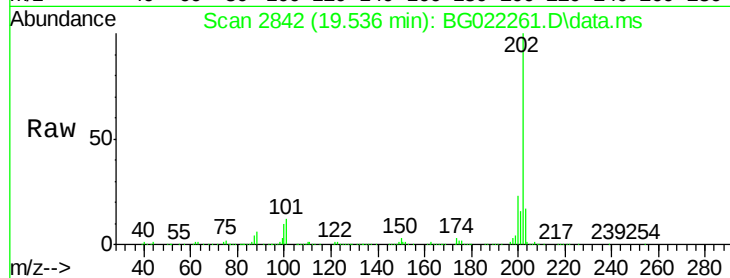
Tot Ion:202 Resp: 311587

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.0

203 17.4 0.0 37.9



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.763 min Scan# 3221

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

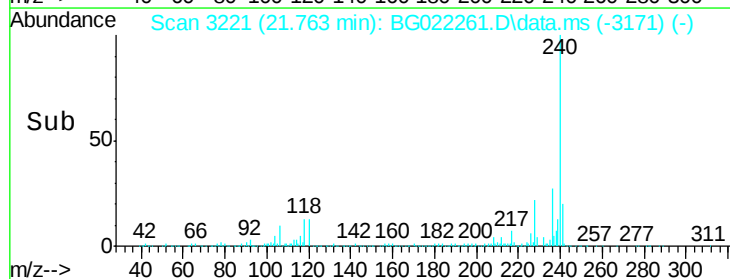
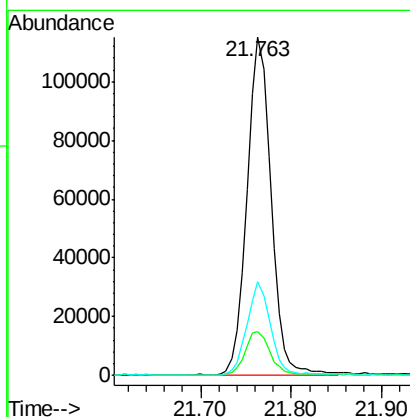
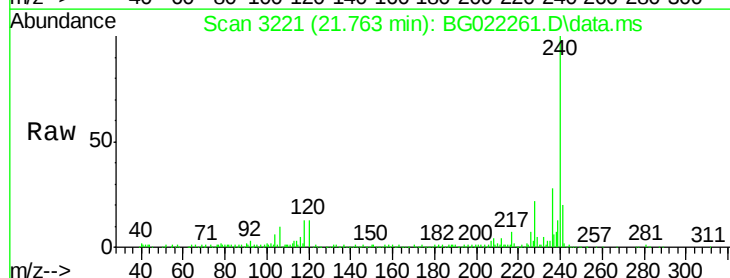
Tgt Ion:240 Resp: 212662

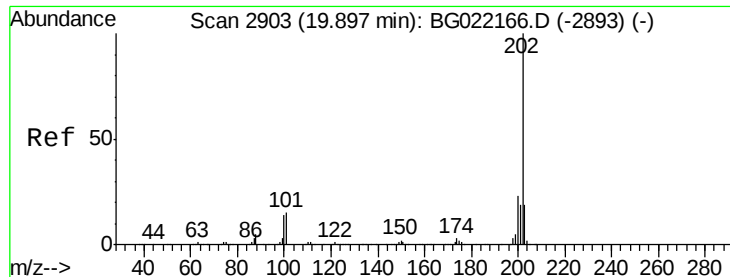
Ion Ratio Lower Upper

240 100

120 12.8 8.4 12.6#

236 27.7 19.6 29.4





#77

Pvrene

Concen: 21.23 ng

RT: 19.895 min Scan# 29

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

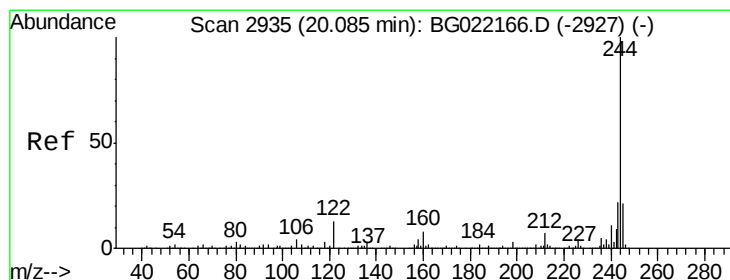
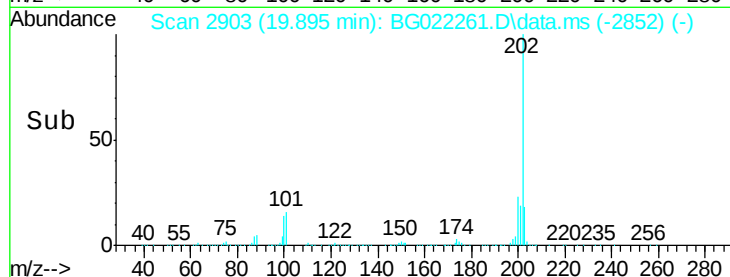
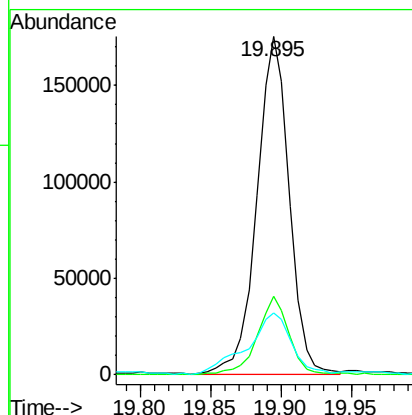
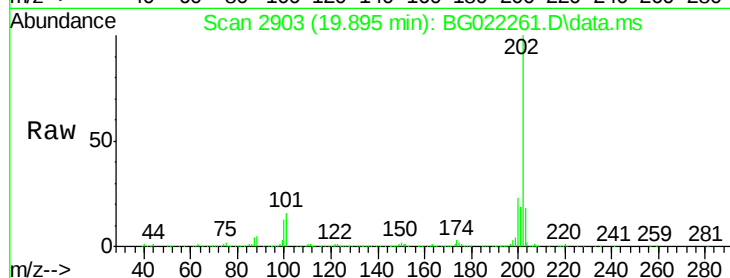
Tot Ion:202 Resp: 280727

Ion Ratio Lower Upper

202 100

200 23.1 18.2 27.2

203 18.2 15.0 22.4



#78

Terphenyl-d14

Concen: 32.97 ng

RT: 20.083 min Scan# 2935

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

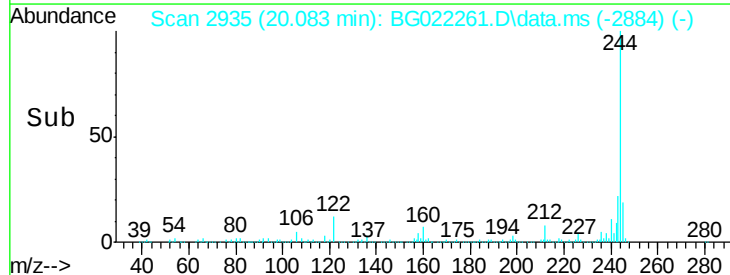
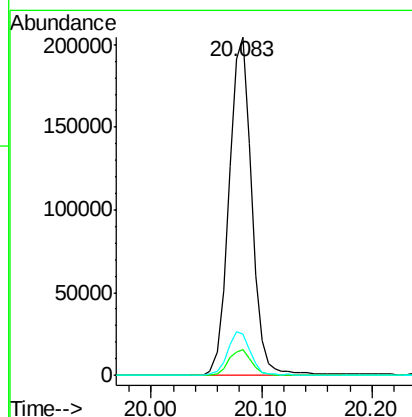
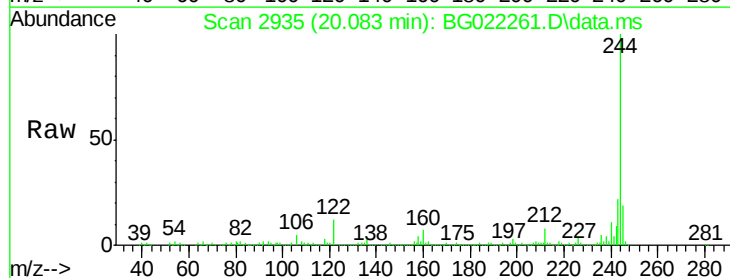
Tgt Ion:244 Resp: 295319

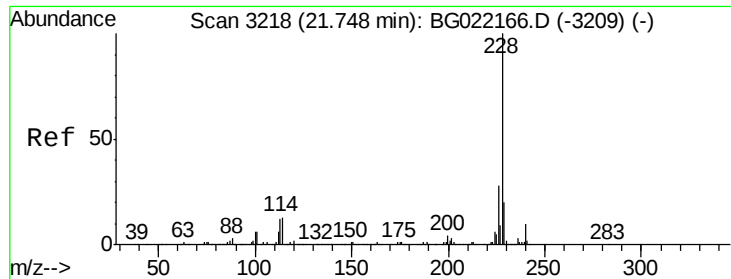
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 12.1 8.6 12.8





#80

Benzo(a)anthracene

Concen: 12.20 ng

RT: 21.746 min Scan# 3218

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

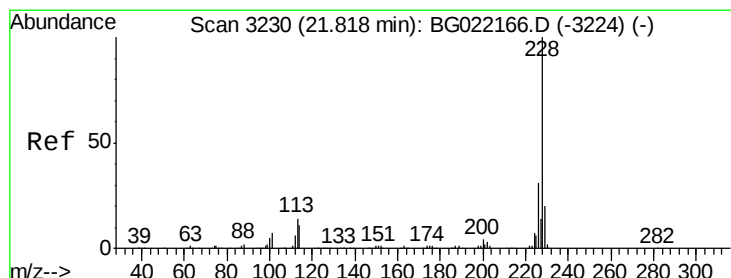
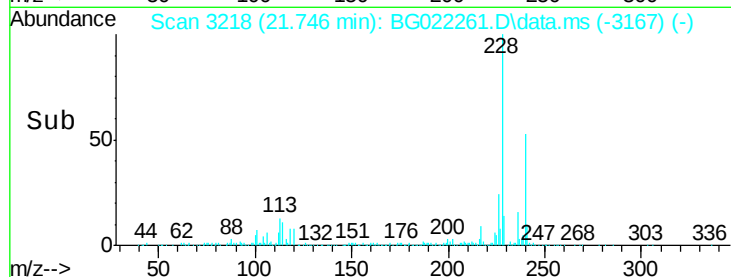
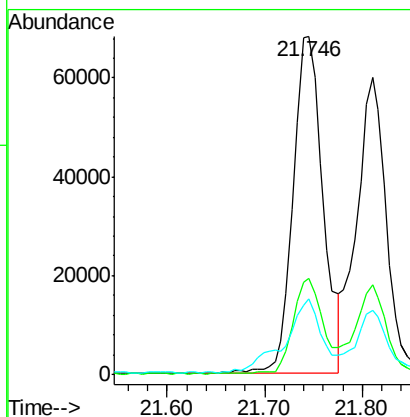
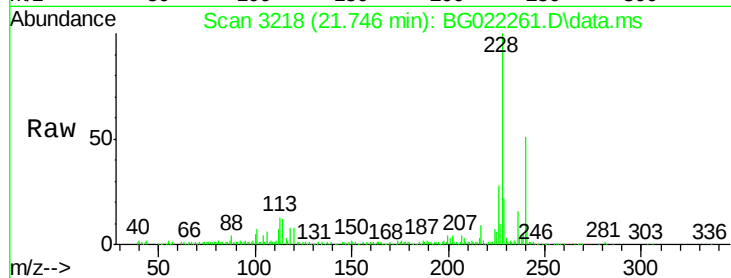
Tot Ion:228 Resp: 145511

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

229 22.3 16.1 24.1



#82

Chrysene

Concen: 10.63 ng

RT: 21.810 min Scan# 3229

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

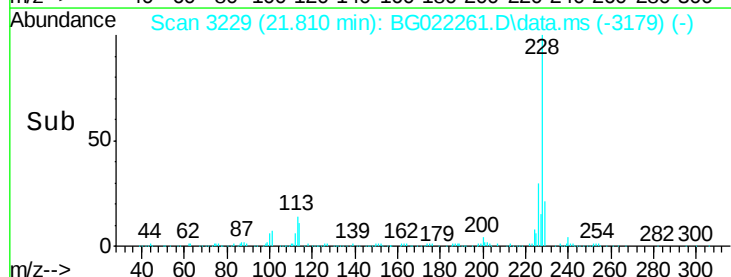
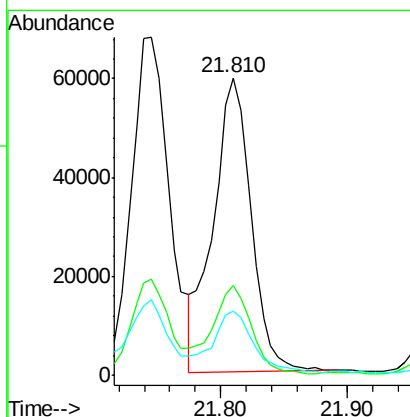
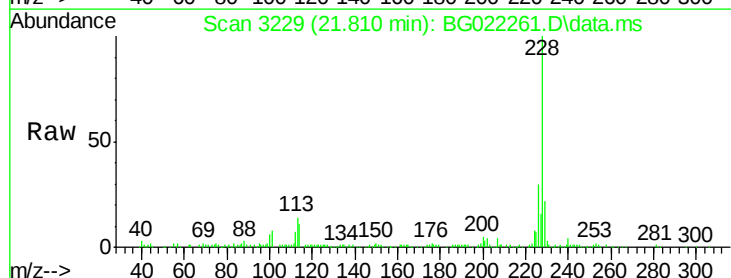
Tgt Ion:228 Resp: 123352

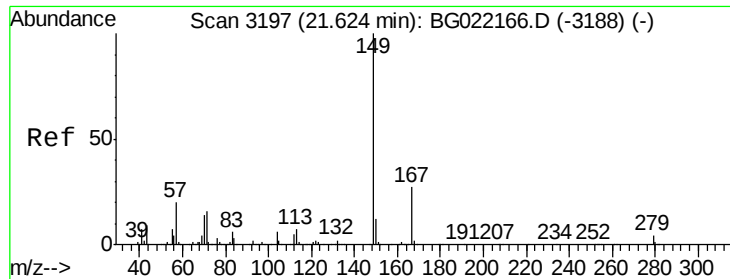
Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.0

229 21.7 15.9 23.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.42 ng

RT: 21.616 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

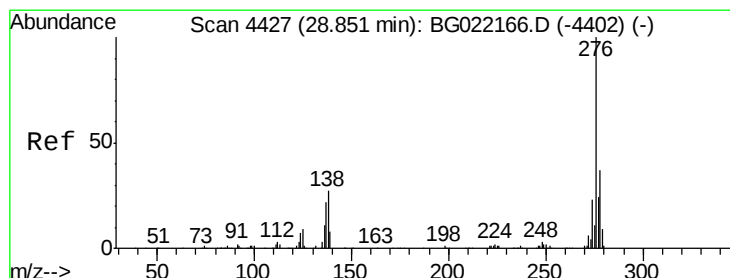
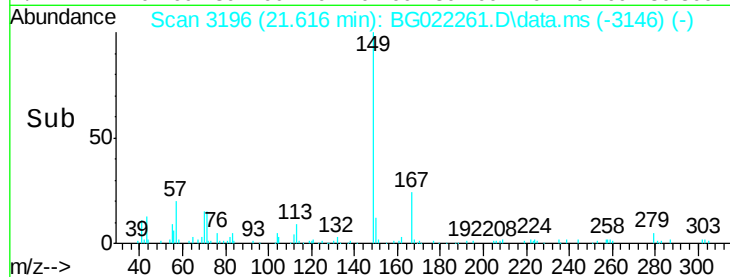
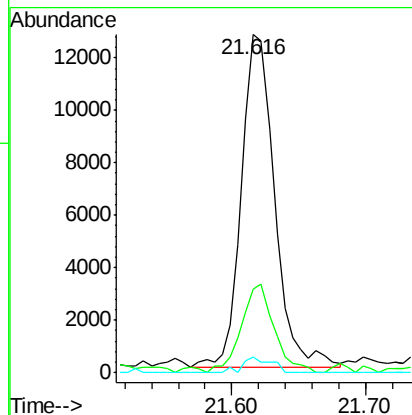
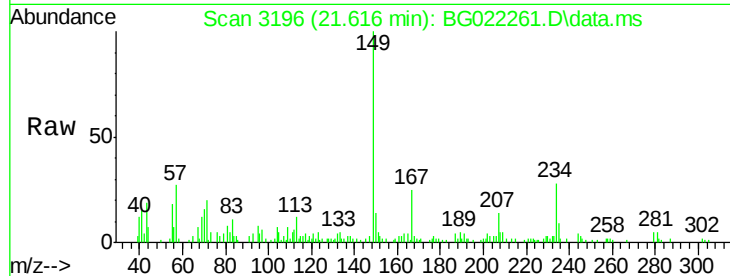
Tot Ion:149 Resp: 21817

Ion Ratio Lower Upper

149 100

167 24.6 22.4 33.6

279 4.7 3.2 4.8



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.14 ng

RT: 28.814 min Scan# 4421

Delta R.T. -0.037 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

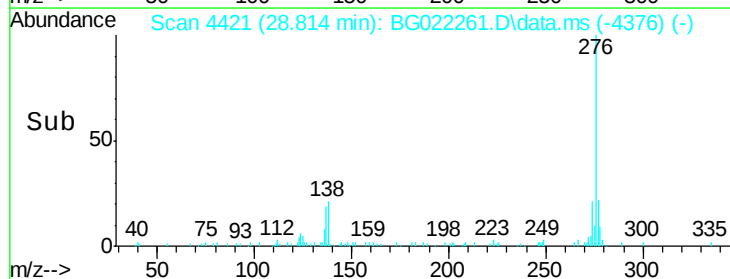
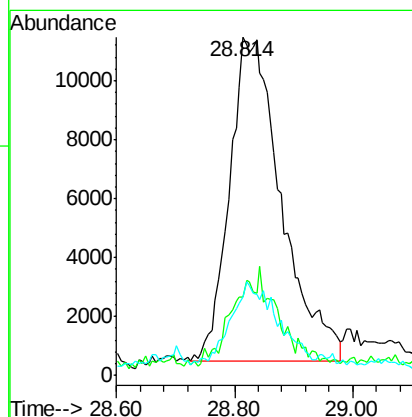
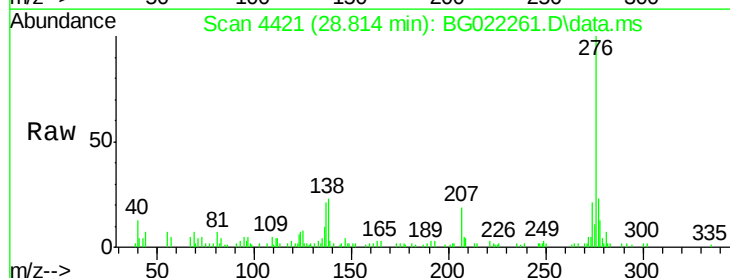
Tgt Ion:276 Resp: 66900

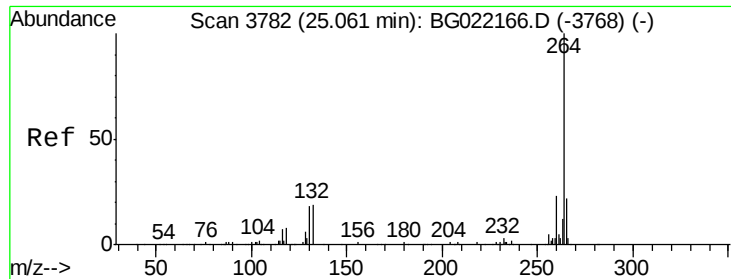
Ion Ratio Lower Upper

276 100

138 13.8 14.0 21.0#

277 23.2 20.6 30.8

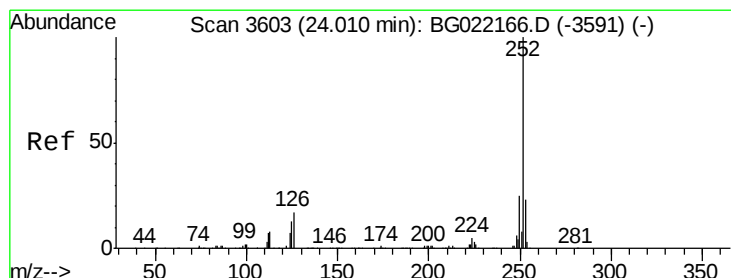
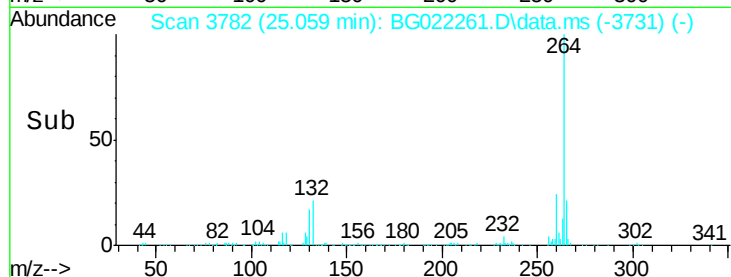
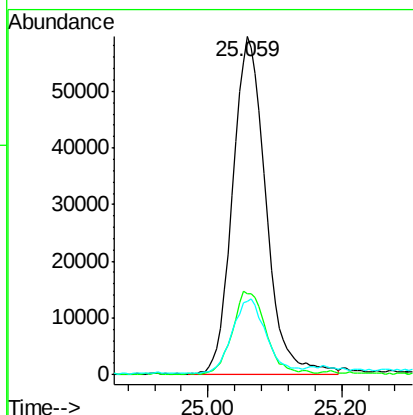
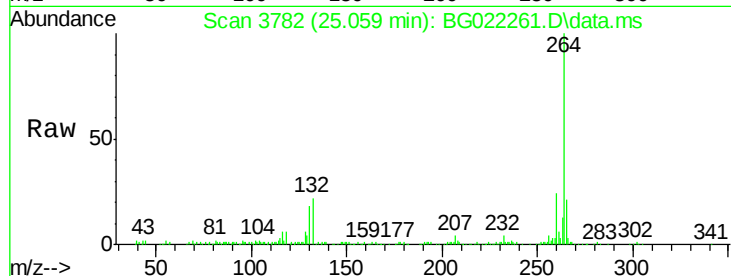




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.059 min Scan# 37
Delta R.T. -0.002 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

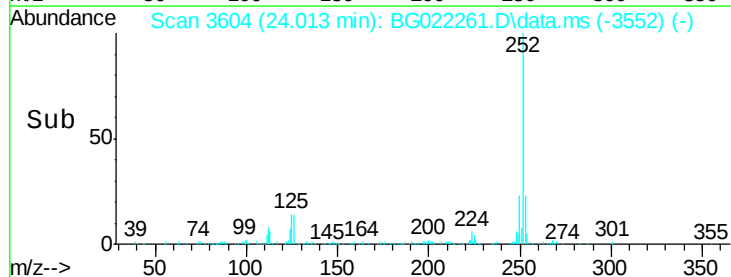
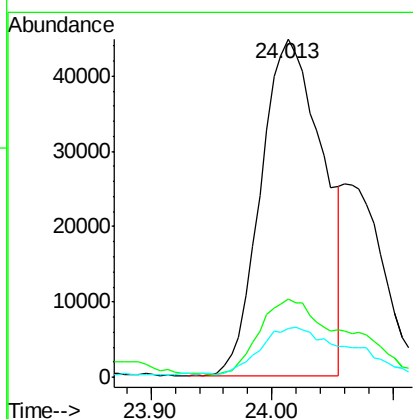
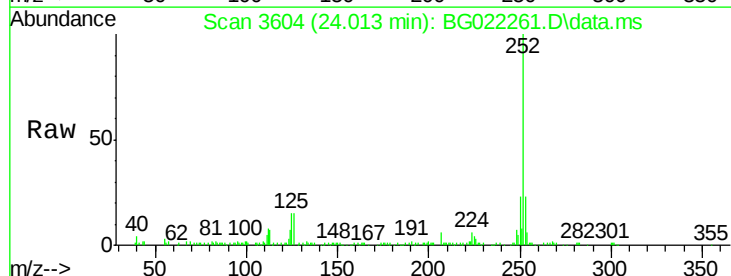
Instrument :
BNA_G
ClientSampled :
SS-42

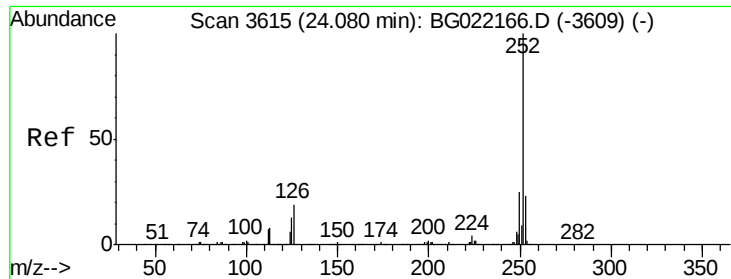
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.2	30.4
265	21.5	17.8	26.8



#87
Benzo(b)fluoranthene
Concen: 13.29 ng
RT: 24.013 min Scan# 3604
Delta R.T. 0.004 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	14.5	8.6	13.0#





#88

Benzo(k)fluoranthene

Concen: 13.50 ng

RT: 24.013 min Scan# 3615

Delta R.T. -0.067 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

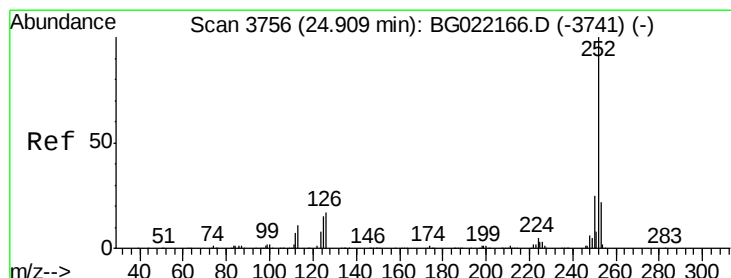
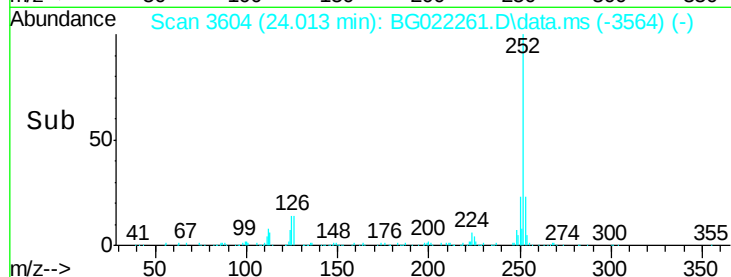
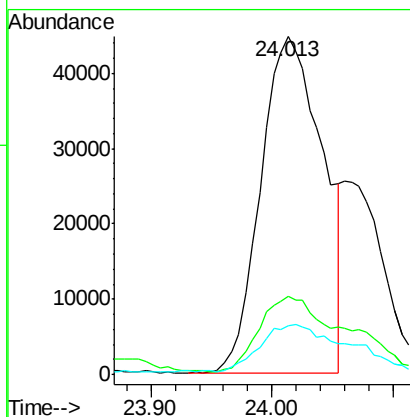
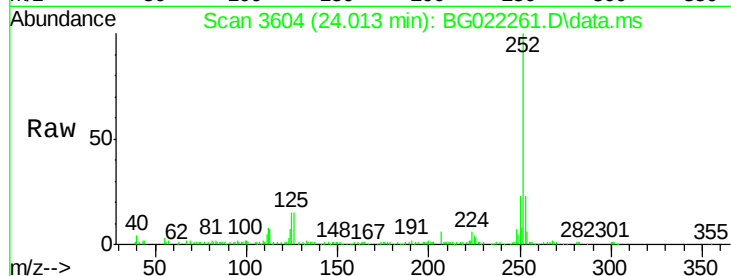
Tot Ion:252 Resp: 159431

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 14.5 8.3 12.5#



#89

Benzo(a)pyrene

Concen: 10.32 ng

RT: 24.907 min Scan# 3756

Delta R.T. -0.002 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

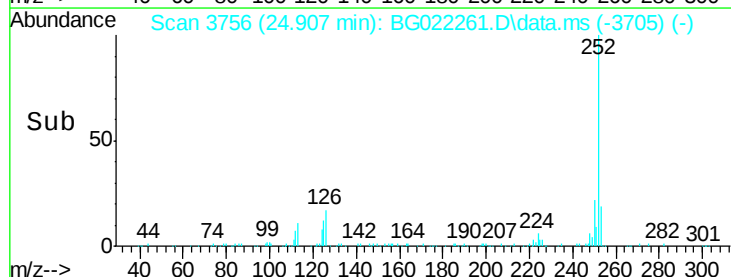
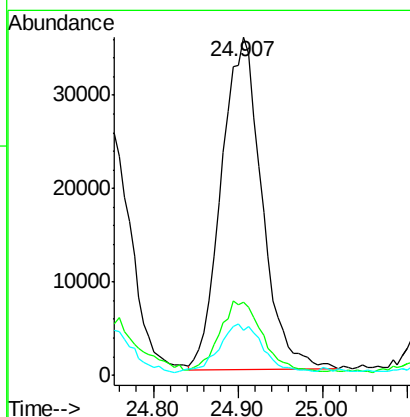
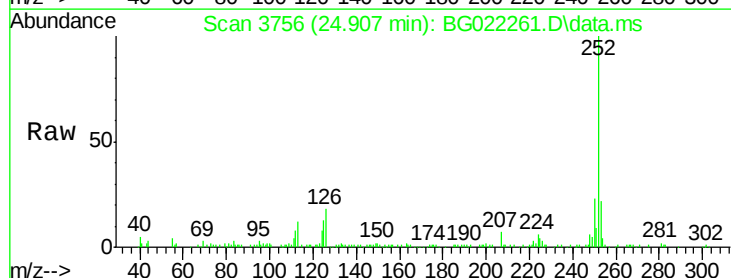
Tgt Ion:252 Resp: 118416

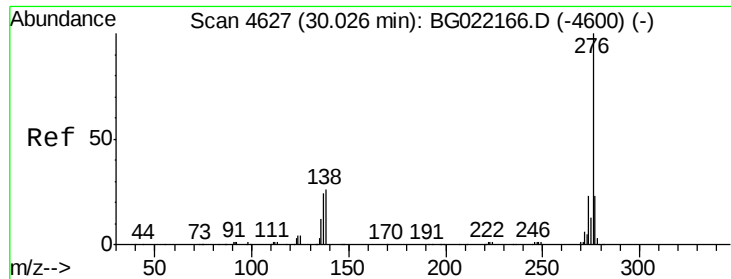
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 13.3 9.6 14.4





#91

Benzo(a,h,i)perylene

Concen: 2.39 ng

RT: 30.006 min Scan# 46

Delta R.T. -0.020 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

Tot Ion:276 Resp: 26865

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 31.2 17.4 26.0#

