

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\Not Reviewed Data\
 Data File : BG022270.D
 Acq On : 9 Jun 2016 15:53
 Operator : UM/SJ
 Sample : H3402-14 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-47

Quant Time: Jun 09 17:13:50 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)

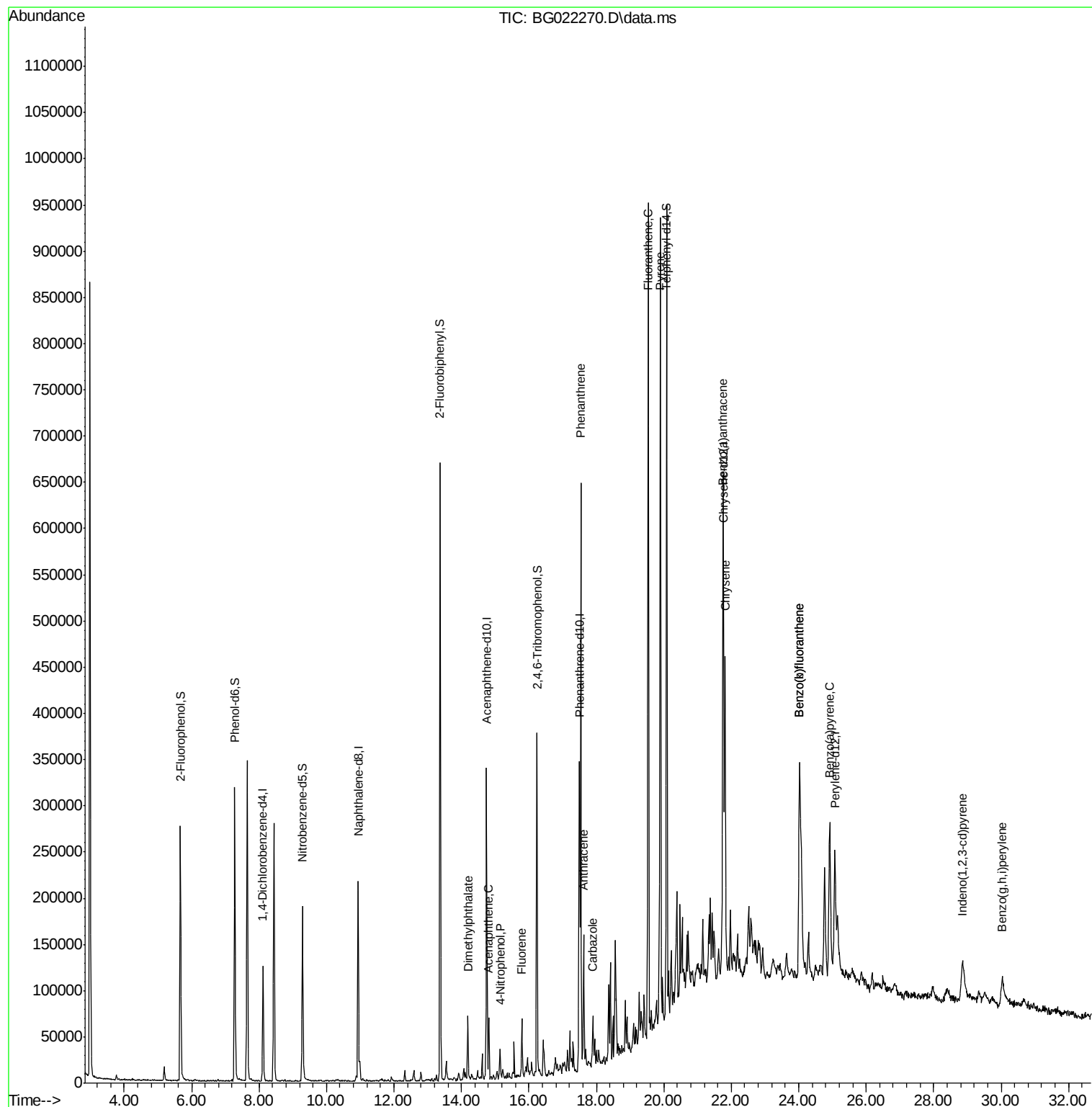
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.119	152	47140	20.00	ng	0.00
21) Naphthalene-d8	10.939	136	236126	20.00	ng	0.00
38) Acenaphthene-d10	14.746	164	124769	20.00	ng	0.00
63) Phenanthrene-d10	17.496	188	240648	20.00	ng	0.00
75) Chrysene-d12	21.773	240	205261	20.00	ng	0.00
86) Perylene-d12	25.075	264	184977	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	182644	74.91	ng	0.00
7) Phenol-d6	7.279	99	276070	72.02	ng	0.00
23) Nitrobenzene-d5	9.288	82	152080	44.90	ng	0.00
41) 2,4,6-Tribromophenol	16.239	330	85497	60.64	ng	0.00
44) 2-Fluorobiphenyl	13.366	172	411153	50.22	ng	0.00
78) Terphenyl-d14	20.087	244	397381	45.96	ng	0.00
Target Compounds						
						Qvalue
49) Dimethylphthalate	14.188	163	52111	5.04	ng	98
51) Acenaphthene	14.811	154	26735	3.53	ng	91
55) 4-Nitrophenol	15.146	139	8581	4.98	ng	# 10
57) Fluorene	15.792	166	32022	3.15	ng	96
70) Phenanthrene	17.537	178	426350	32.62	ng	99
71) Anthracene	17.625	178	104168	8.04	ng	97
72) Carbazole	17.895	167	39689	3.23	ng	97
74) Fluoranthene	19.541	202	607065	40.40	ng	97
77) Pyrene	19.899	202	551641	43.23	ng	99
80) Benzo(a)anthracene	21.750	228	286920	24.93	ng	97
82) Chrysene	21.814	228	240875	21.51	ng	96
85) Indeno(1,2,3-cd)pyrene	28.853	276	92652	7.37	ng	# 90
87) Benzo(b)fluoranthene	24.024	252	437769	40.58	ng	# 96
88) Benzo(k)fluoranthene	24.024	252	437769	41.22	ng	# 96
89) Benzo(a)pyrene	24.917	252	218580	21.19	ng	96
91) Benzo(a,h,i)perylene	30.040	276	72914	7.21	ng	# 90

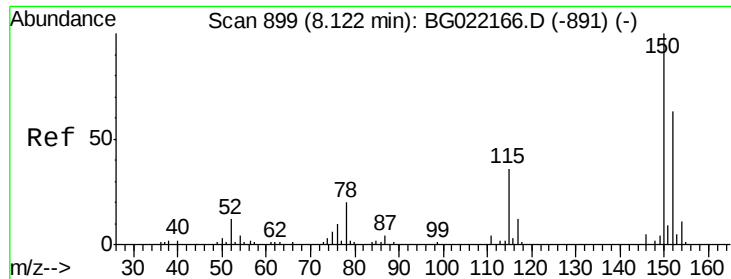
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.119 min Scan# 89

Delta R.T. -0.004 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

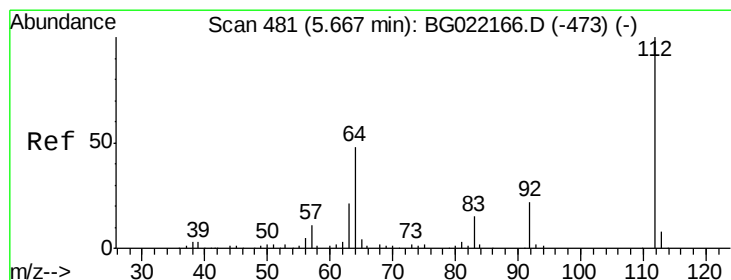
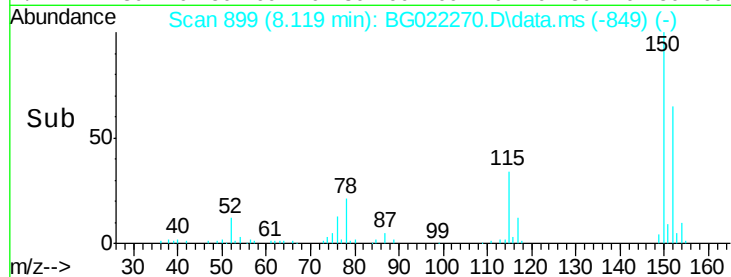
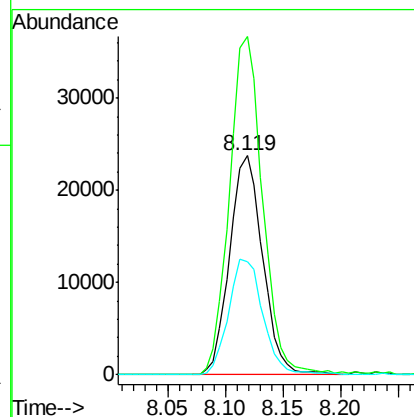
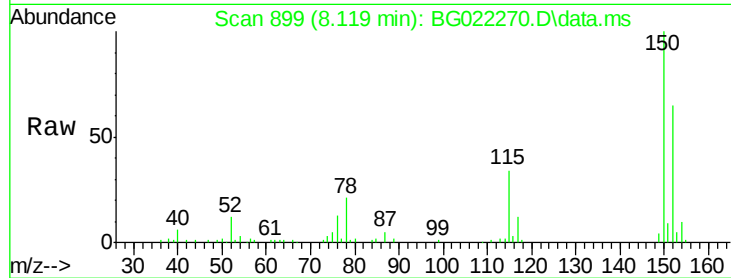
Tot Ion:152 Resp: 47140

Ion Ratio Lower Upper

152 100

150 154.7 130.1 195.1

115 51.9 62.2 93.2#



#5

2-Fluorophenol

Concen: 74.91 ng

RT: 5.669 min Scan# 482

Delta R.T. 0.003 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

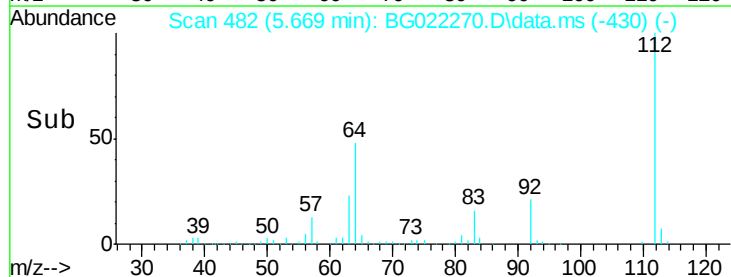
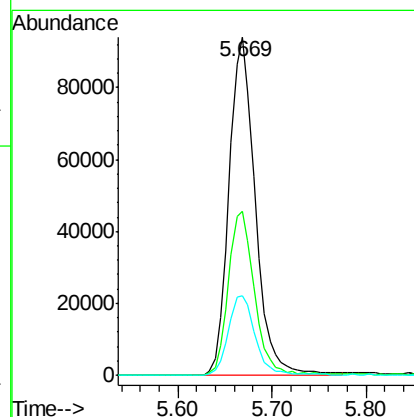
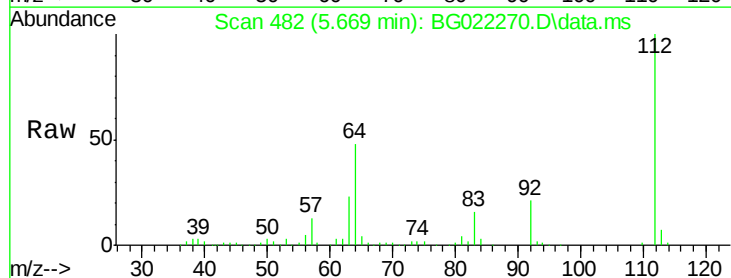
Tgt Ion:112 Resp: 182644

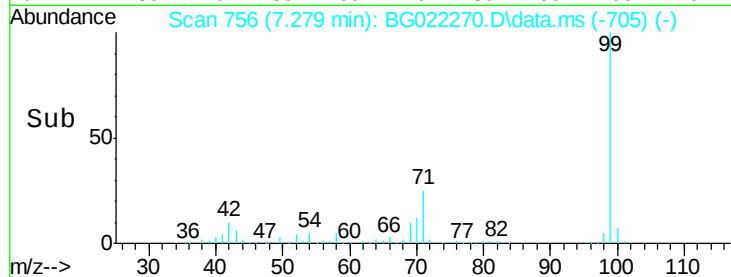
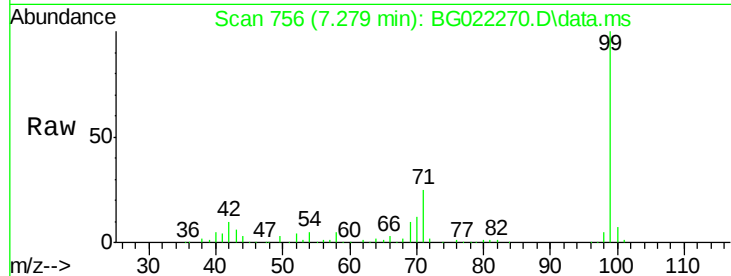
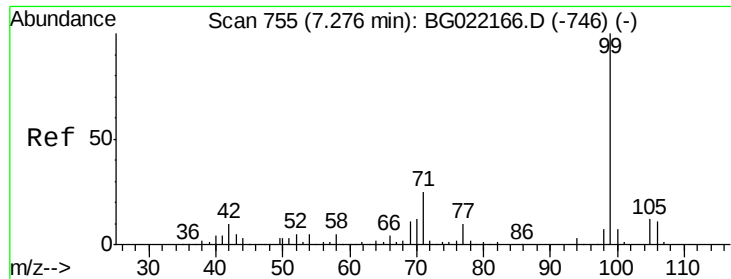
Ion Ratio Lower Upper

112 100

64 48.4 51.1 76.7#

63 23.5 24.6 37.0#





#7

Phenol-d6

Concen: 72.02 ng

RT: 7.279 min Scan# 75

Delta R.T. 0.002 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

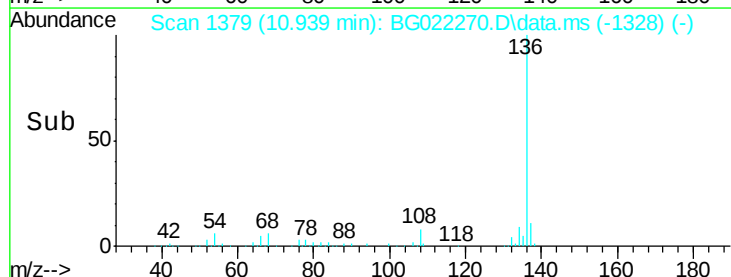
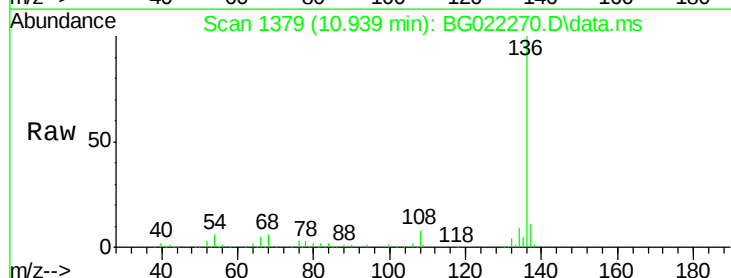
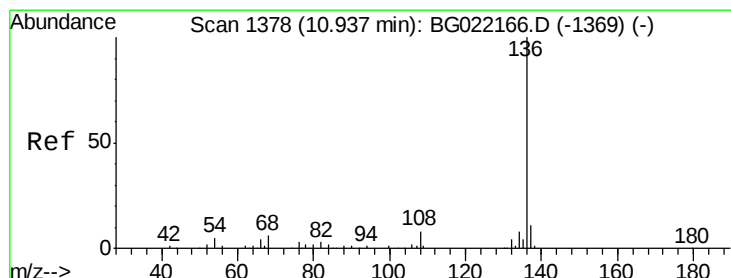
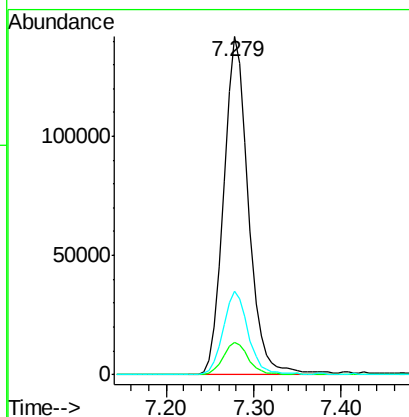
Tot Ion: 99 Resp: 276070

Ion Ratio Lower Upper

99 100

42 9.5 16.4 24.6#

71 24.6 25.0 37.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.939 min Scan# 1379

Delta R.T. 0.002 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Tgt Ion: 136 Resp: 236126

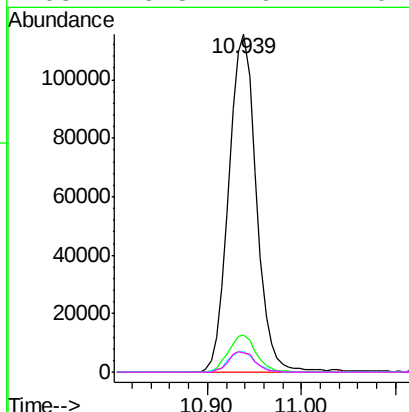
Ion Ratio Lower Upper

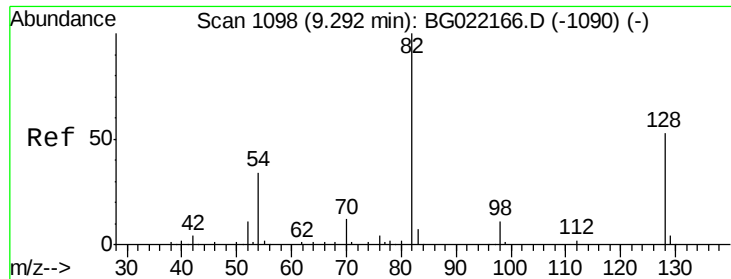
136 100

137 10.9 9.0 13.4

54 6.1 9.6 14.4#

68 5.8 6.4 9.6#





#23

Nitrobenzene-d5

Concen: 44.90 ng

RT: 9.288 min Scan# 10

Delta R.T. -0.004 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

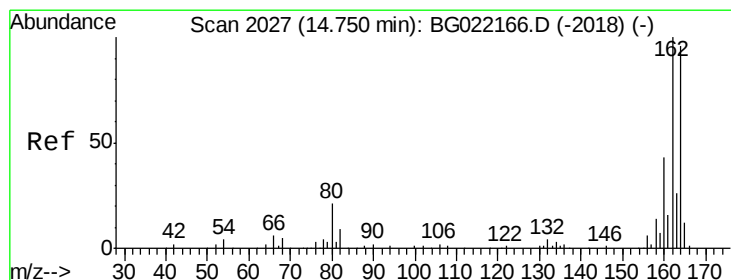
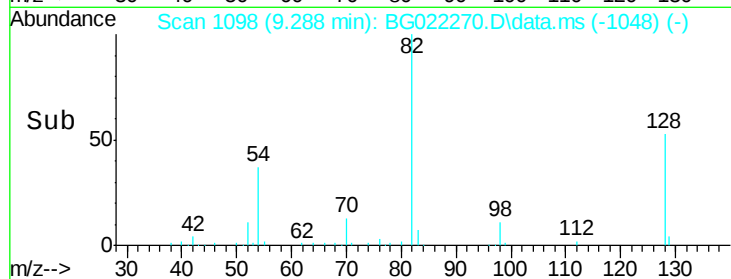
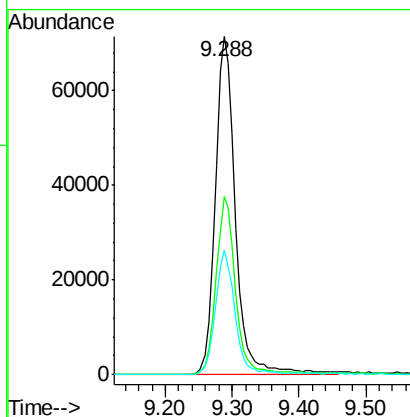
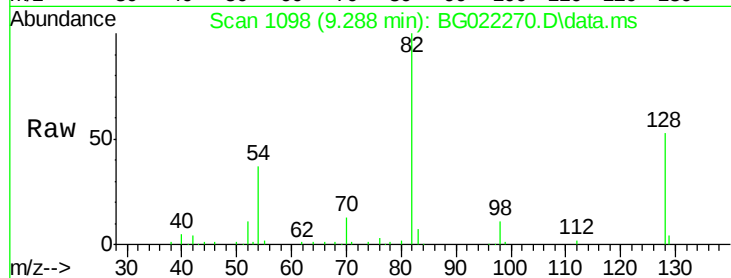
Tot Ion: 82 Resp: 152080

Ion Ratio Lower Upper

82 100

128 52.6 33.4 50.0#

54 36.8 46.1 69.1#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.746 min Scan# 2027

Delta R.T. -0.004 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

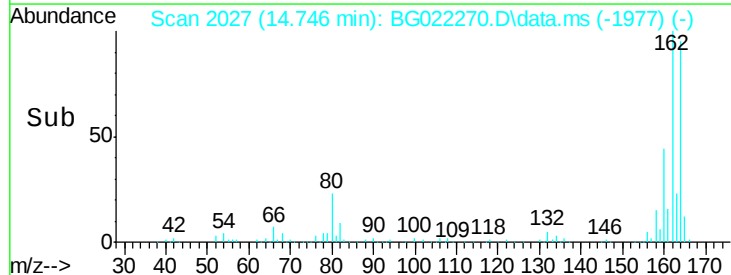
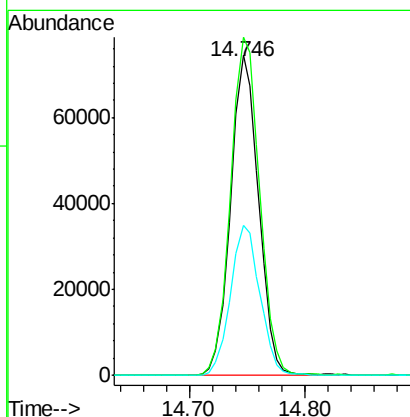
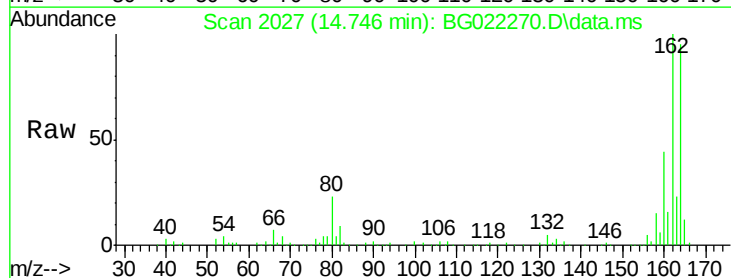
Tgt Ion: 164 Resp: 124769

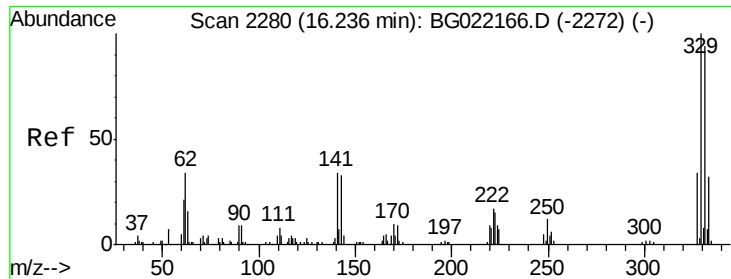
Ion Ratio Lower Upper

164 100

162 105.4 78.0 117.0

160 46.8 32.9 49.3

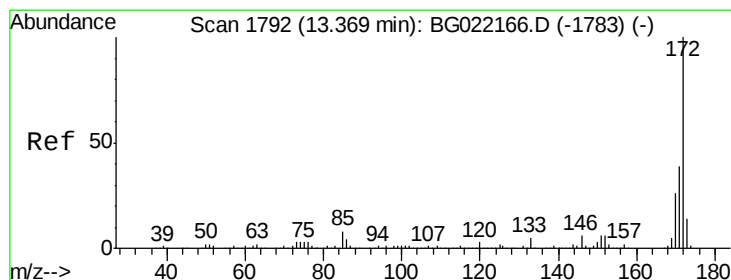
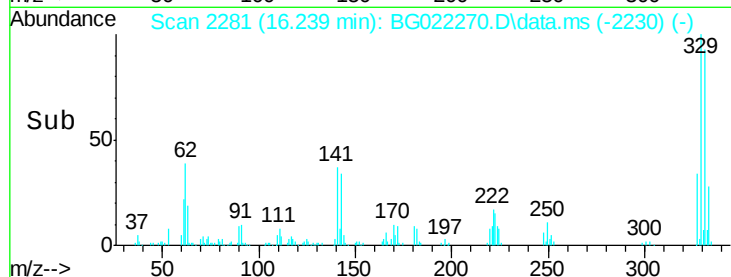
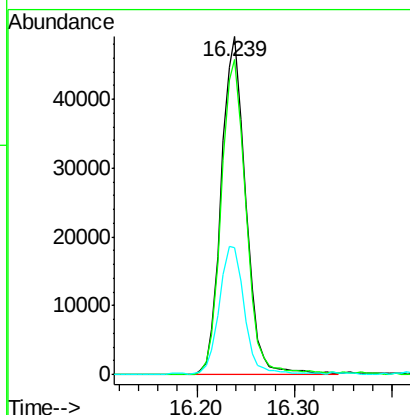
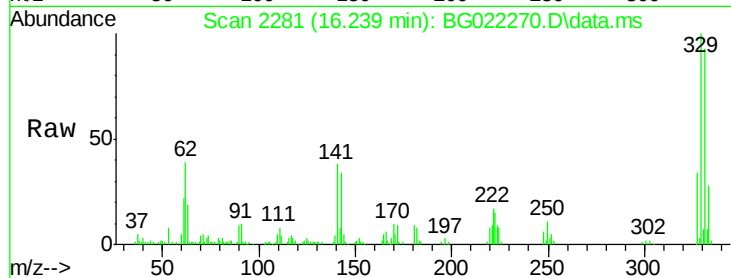




#41
 2,4,6-Tribromophenol
 Concen: 60.64 ng
 RT: 16.239 min Scan# 2280
 Delta R.T. 0.002 min
 Lab File: BG022270.D
 Acq: 9 Jun 2016 15:53

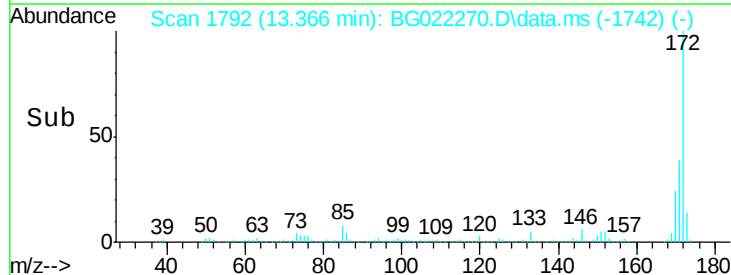
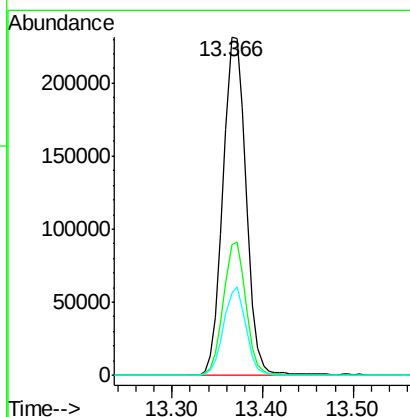
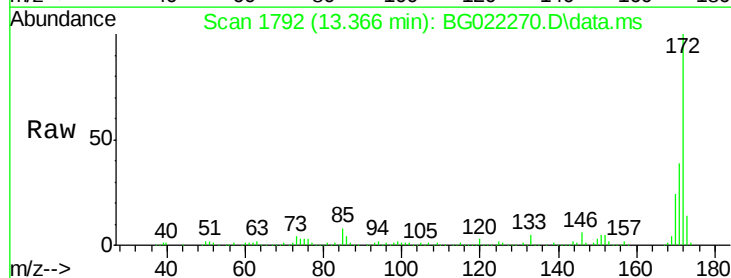
Instrument :
 BNA_G
 ClientSampleId :
 SS-47

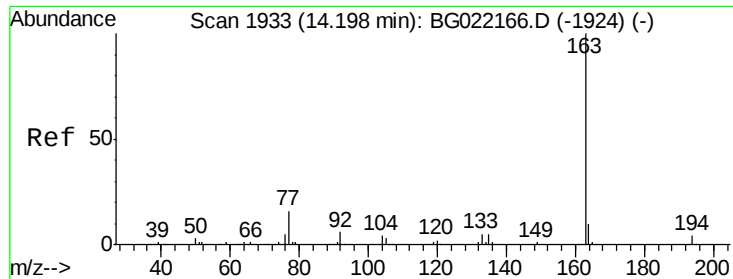
Tot Ion:330 Resp: 85497
 Ion Ratio Lower Upper
 330 100
 332 94.4 78.0 117.0
 141 39.5 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 50.22 ng
 RT: 13.366 min Scan# 1792
 Delta R.T. -0.004 min
 Lab File: BG022270.D
 Acq: 9 Jun 2016 15:53

Tgt Ion:172 Resp: 411153
 Ion Ratio Lower Upper
 172 100
 171 38.8 27.8 41.6
 170 24.4 19.6 29.4





#49

Dimethylphthalate

Concen: 5.04 ng

RT: 14.188 min Scan# 19

Delta R.T. -0.010 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

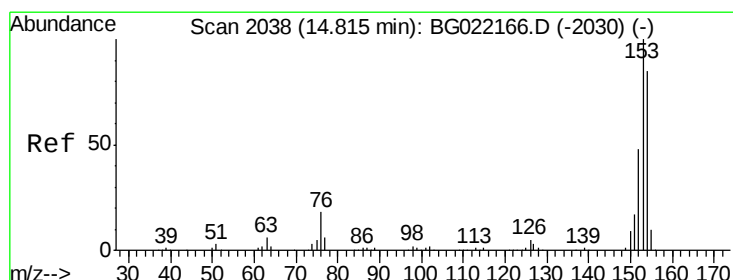
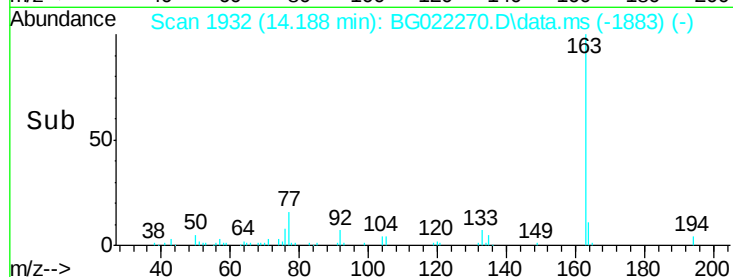
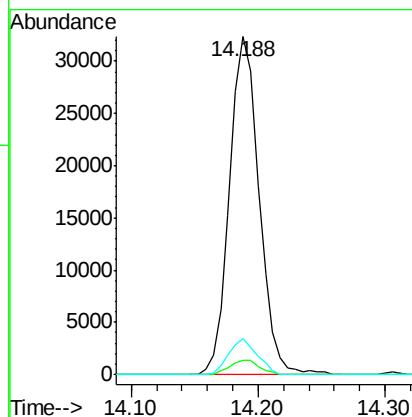
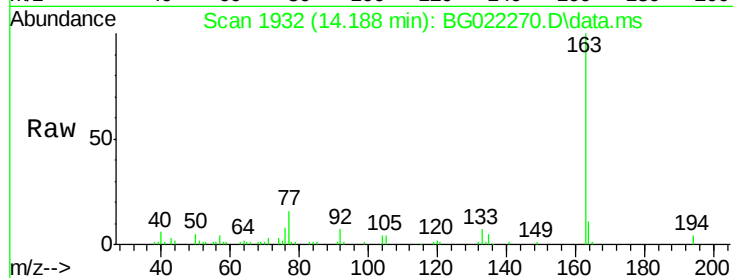
Tot Ion:163 Resp: 52111

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.8 8.1 12.1



#51

Acenaphthene

Concen: 3.53 ng

RT: 14.811 min Scan# 2038

Delta R.T. -0.004 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

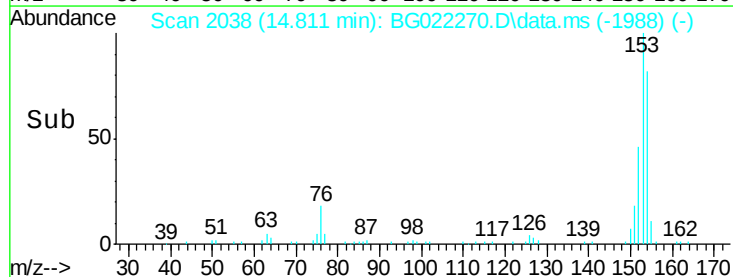
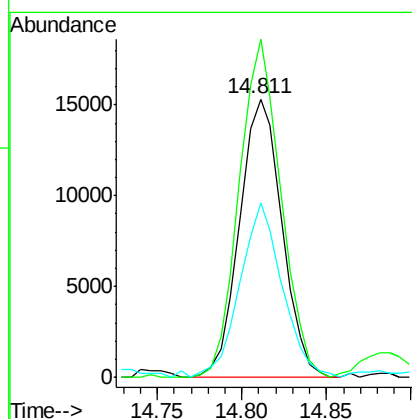
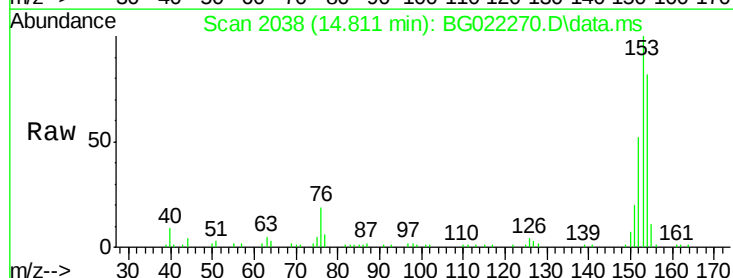
Tgt Ion:154 Resp: 26735

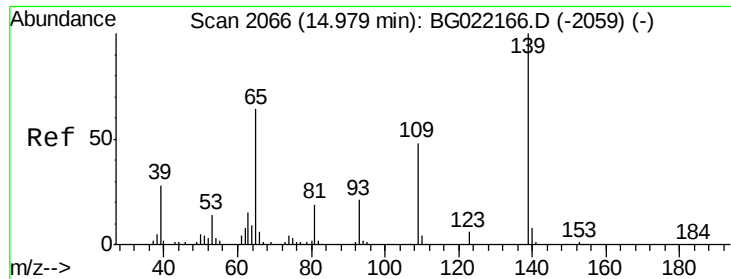
Ion Ratio Lower Upper

154 100

153 121.6 91.9 137.9

152 62.8 42.0 63.0





#55

4-Nitrophenol

Concen: 4.98 ng

RT: 15.146 min Scan# 20

Delta R.T. 0.167 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

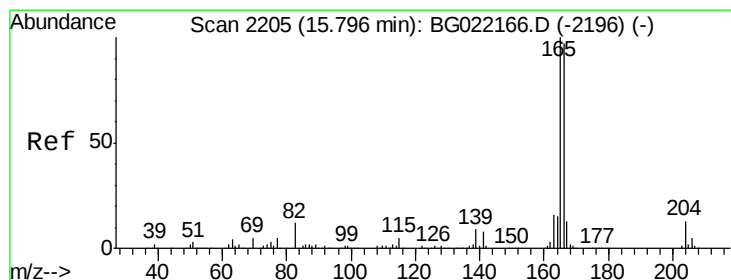
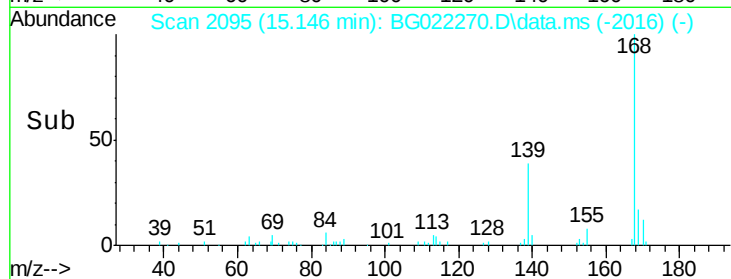
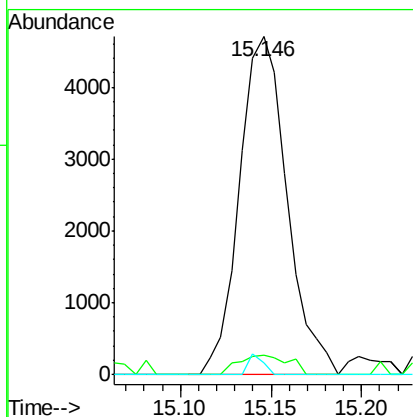
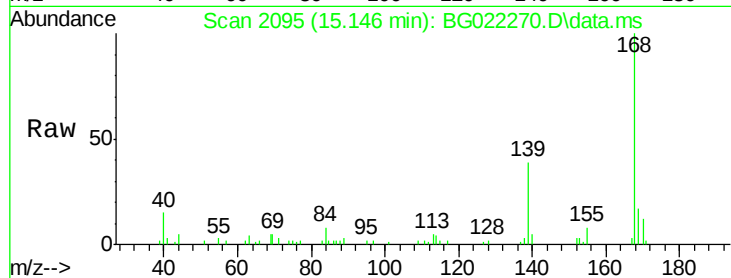
Tot Ion:139 Resp: 8581

Ion Ratio Lower Upper

139 100

109 5.9 49.2 89.2#

65 3.5 83.2 123.2#



#57

Fluorene

Concen: 3.15 ng

RT: 15.792 min Scan# 2205

Delta R.T. -0.004 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

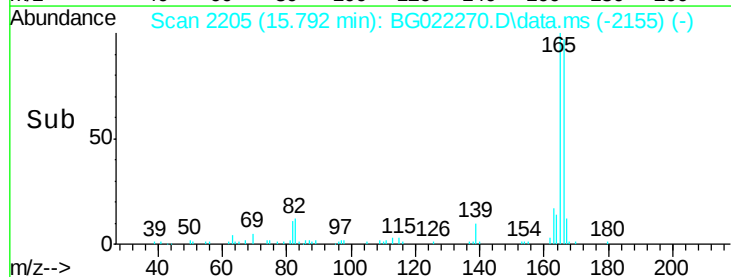
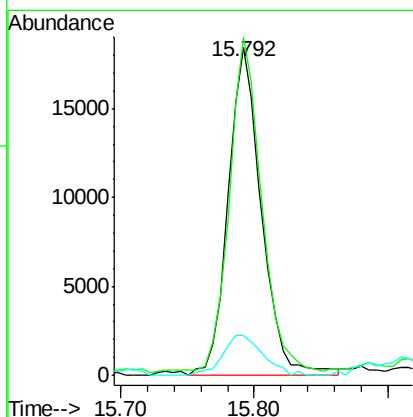
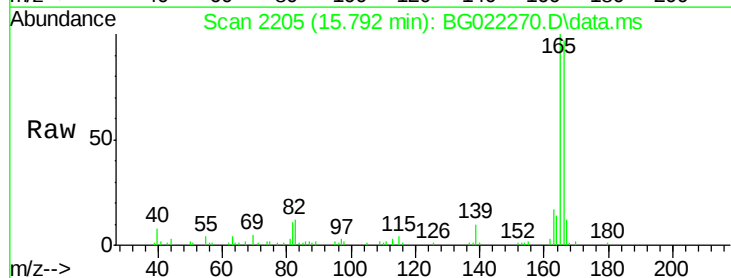
Tgt Ion:166 Resp: 32022

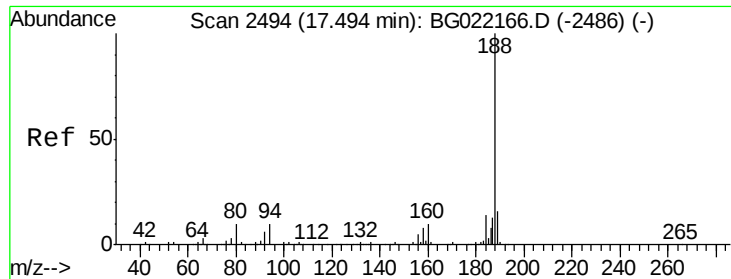
Ion Ratio Lower Upper

166 100

165 103.3 79.0 118.4

167 12.4 10.7 16.1

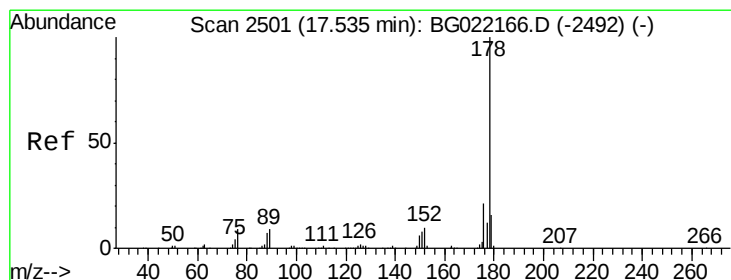
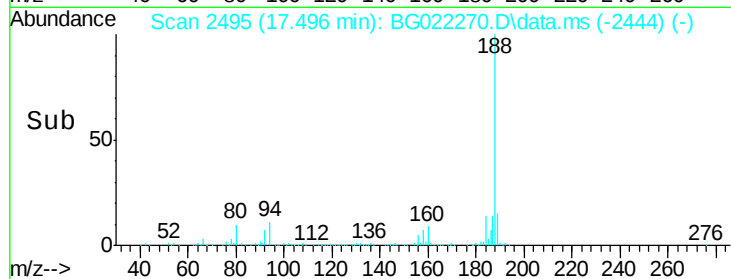
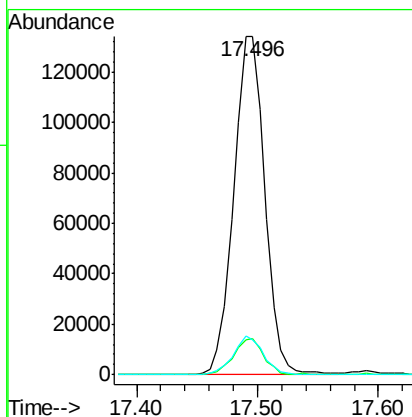
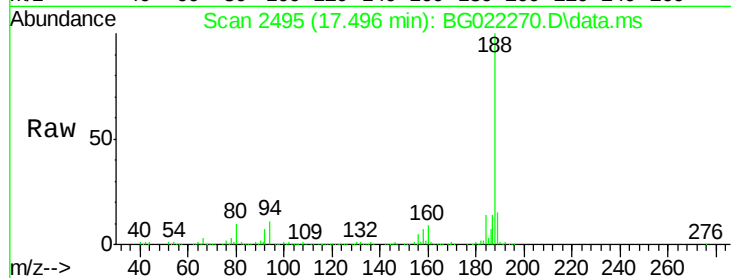




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.496 min Scan# 2494
Delta R.T. 0.002 min
Lab File: BG022270.D
Acq: 9 Jun 2016 15:53

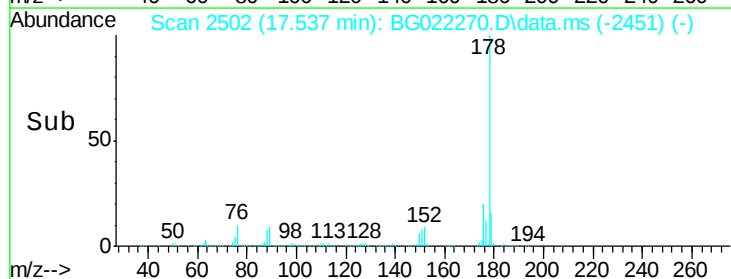
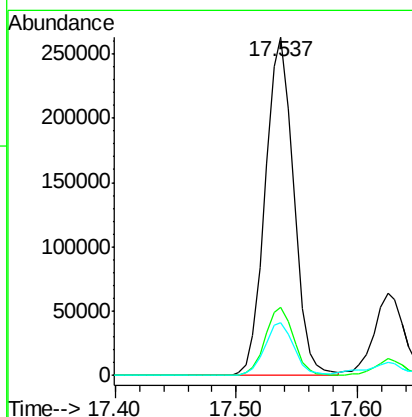
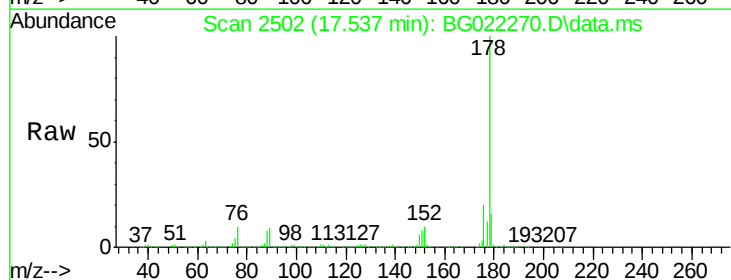
Instrument :
BNA_G
ClientSampleId :
SS-47

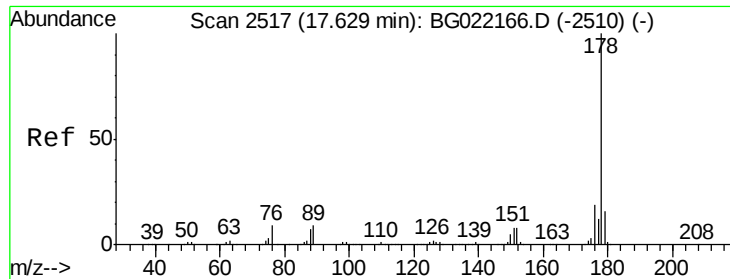
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.5	11.3
80	10.3	8.6	13.0



#70
Phenanthrene
Concen: 32.62 ng
RT: 17.537 min Scan# 2502
Delta R.T. 0.002 min
Lab File: BG022270.D
Acq: 9 Jun 2016 15:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.7	12.0	18.0

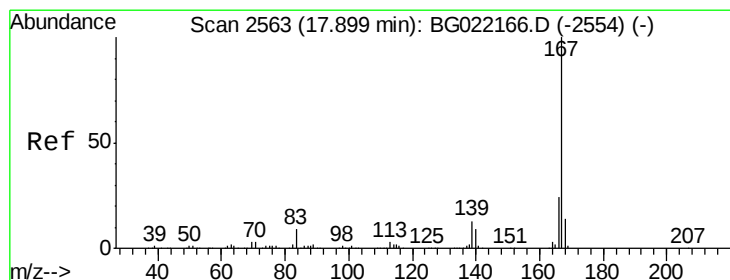
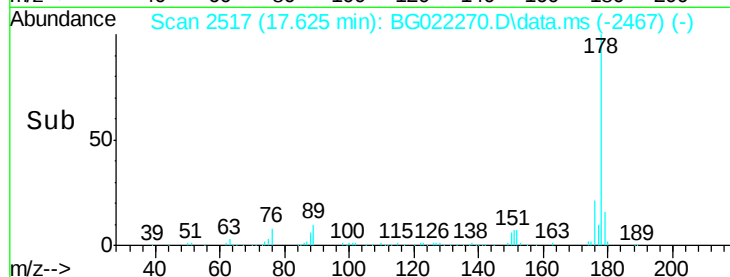
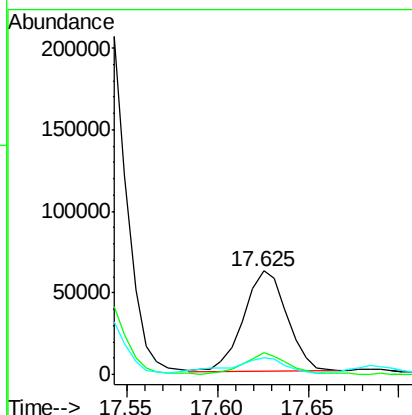
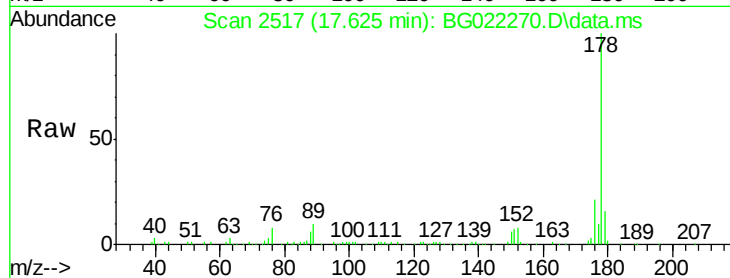




#71
 Anthracene
 Concen: 8.04 ng
 RT: 17.625 min Scan# 2517
 Delta R.T. -0.004 min
 Lab File: BG022270.D
 Acq: 9 Jun 2016 15:53

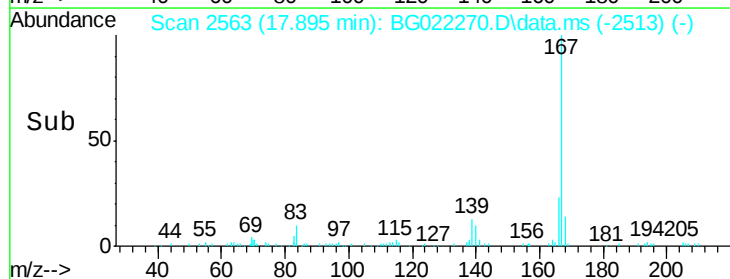
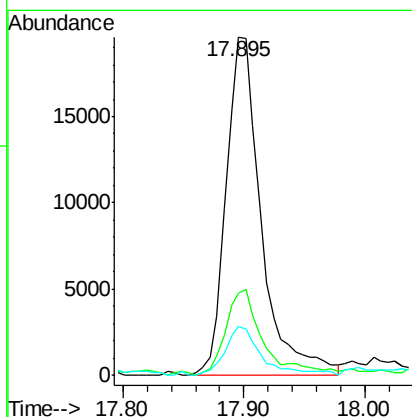
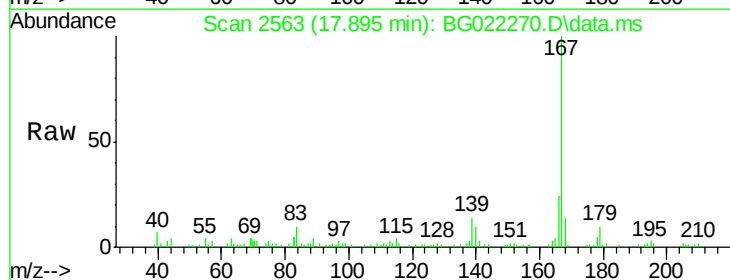
Instrument :
 BNA_G
 ClientSampleId :
 SS-47

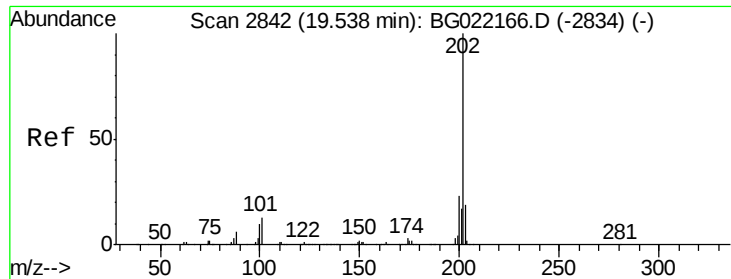
Tot Ion	178	Resp	104168
Ion Ratio	100	Lower	Upper
176	20.6	15.0	22.4
179	16.1	12.2	18.4



#72
 Carbazole
 Concen: 3.23 ng
 RT: 17.895 min Scan# 2563
 Delta R.T. -0.004 min
 Lab File: BG022270.D
 Acq: 9 Jun 2016 15:53

Tgt Ion	167	Resp	39689
Ion Ratio	100	Lower	Upper
166	24.4	18.6	27.8
139	14.5	10.6	15.8





#74

Fluoranthene

Concen: 40.40 ng

RT: 19.541 min Scan# 28

Delta R.T. 0.002 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

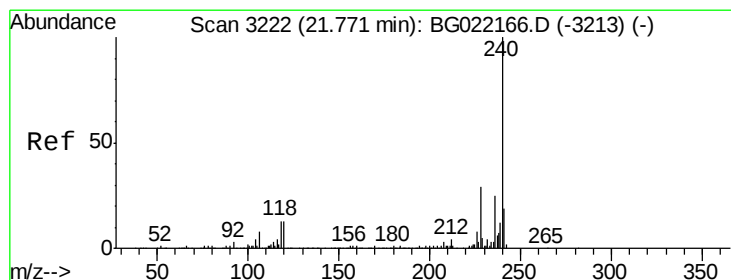
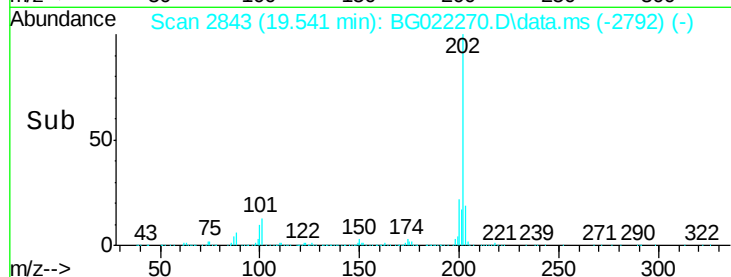
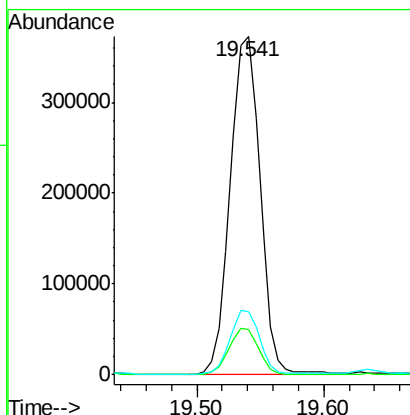
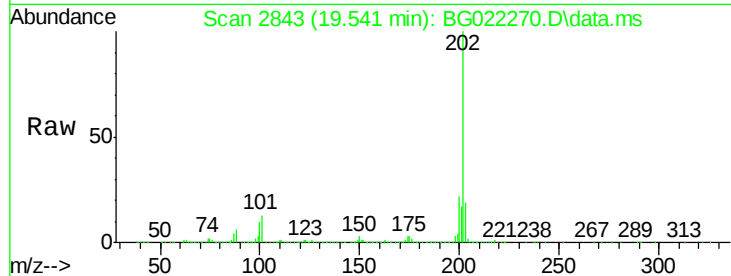
Tot Ion:202 Resp: 607065

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.0

203 18.6 0.0 37.9



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.773 min Scan# 3223

Delta R.T. 0.002 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

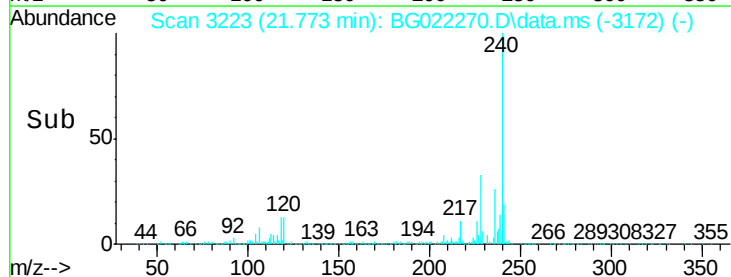
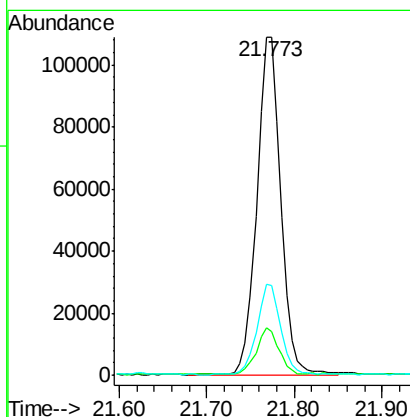
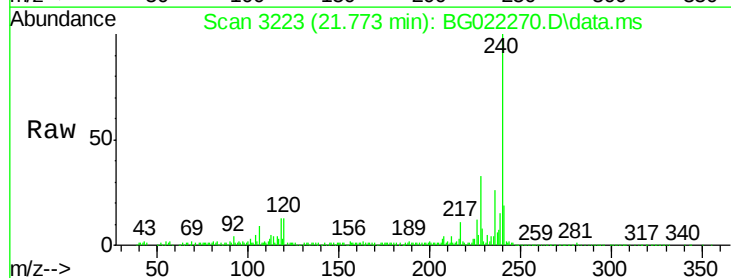
Tgt Ion:240 Resp: 205261

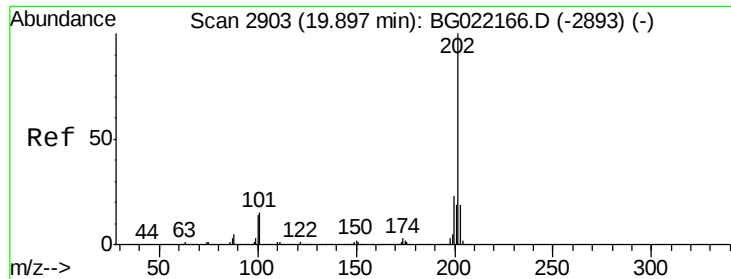
Ion Ratio Lower Upper

240 100

120 12.9 8.4 12.6#

236 26.5 19.6 29.4

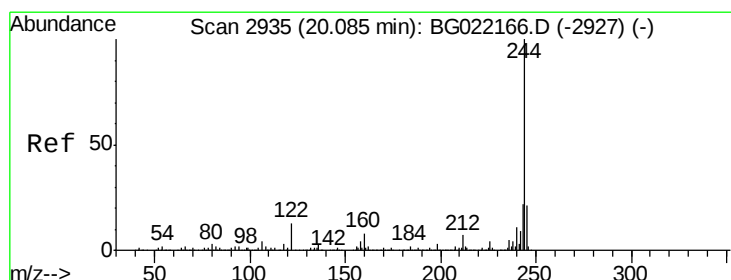
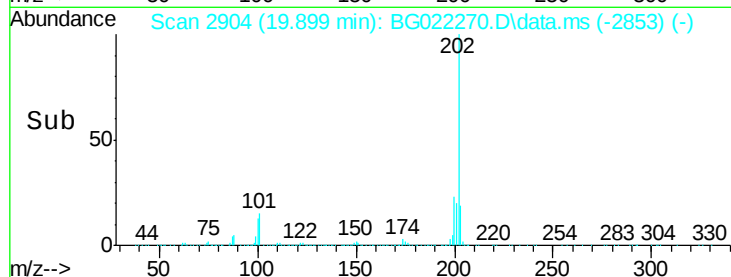
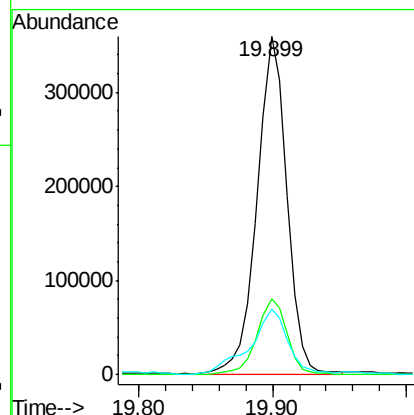
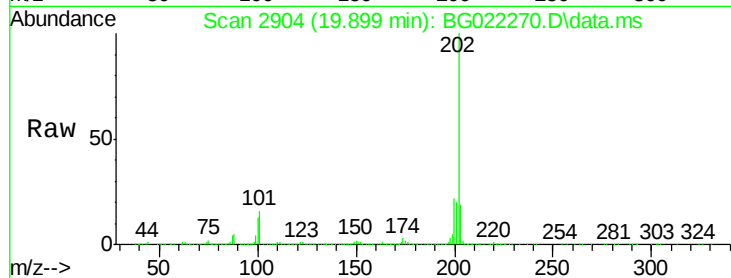




#77
Pvrene
Concen: 43.23 ng
RT: 19.899 min Scan# 2903
Delta R.T. 0.002 min
Lab File: BG022270.D
Acq: 9 Jun 2016 15:53

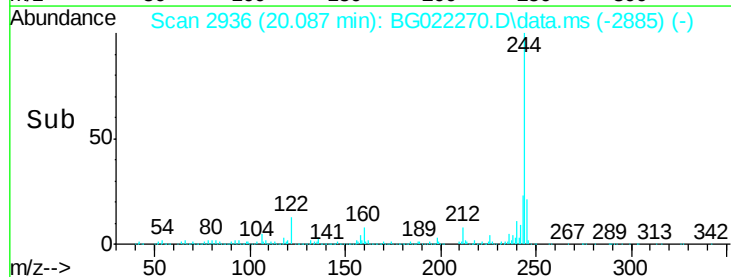
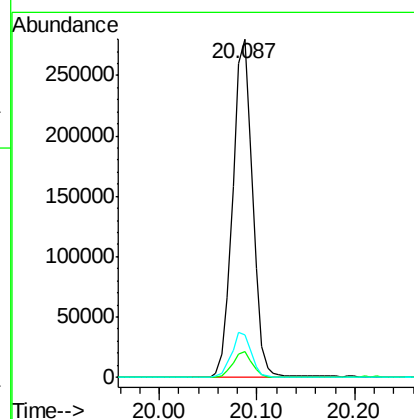
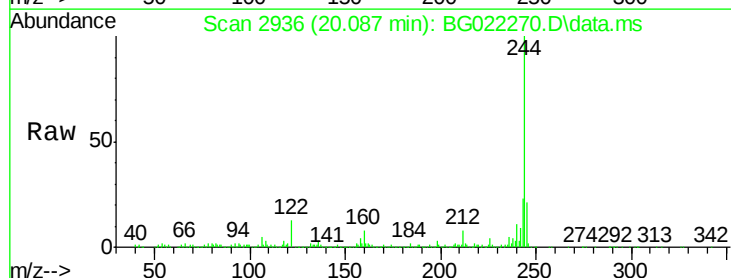
Instrument :
BNA_G
ClientSampleId :
SS-47

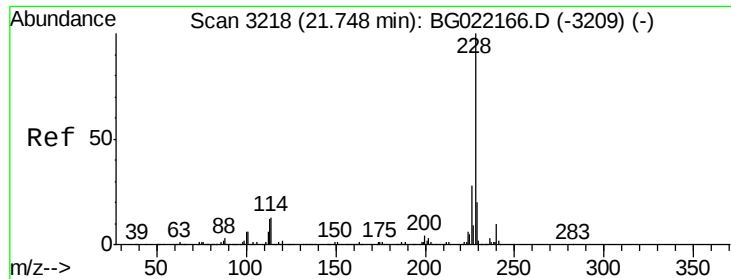
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	18.2	27.2
203	19.3	15.0	22.4



#78
Terphenyl-d14
Concen: 45.96 ng
RT: 20.087 min Scan# 2936
Delta R.T. 0.002 min
Lab File: BG022270.D
Acq: 9 Jun 2016 15:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	12.7	8.6	12.8





#80

Benzo(a)anthracene

Concen: 24.93 ng

RT: 21.750 min Scan# 3218

Delta R.T. 0.002 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

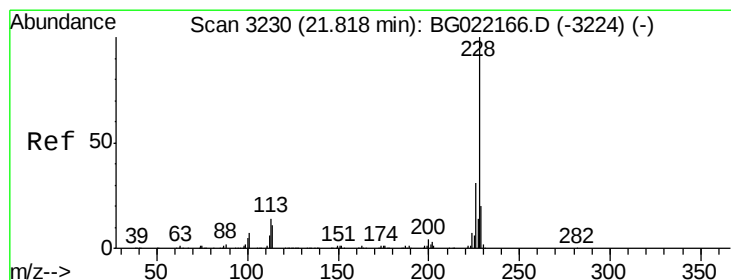
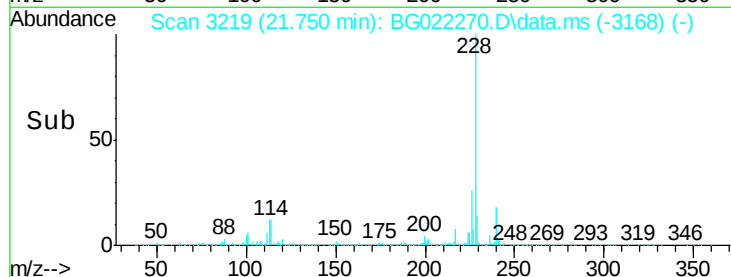
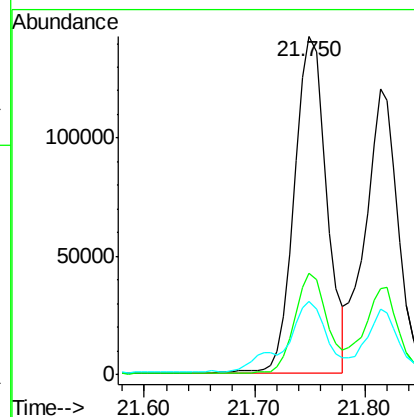
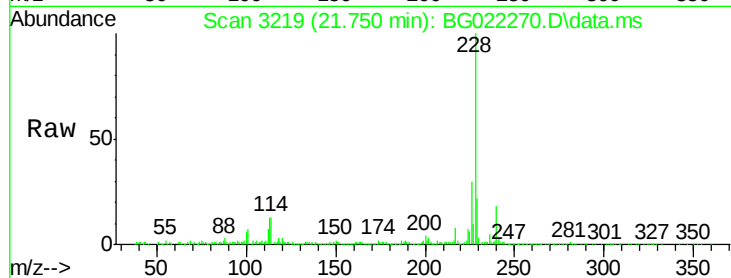
Tot Ion:228 Resp: 286920

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

229 21.6 16.1 24.1



#82

Chrysene

Concen: 21.51 ng

RT: 21.814 min Scan# 3230

Delta R.T. -0.004 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

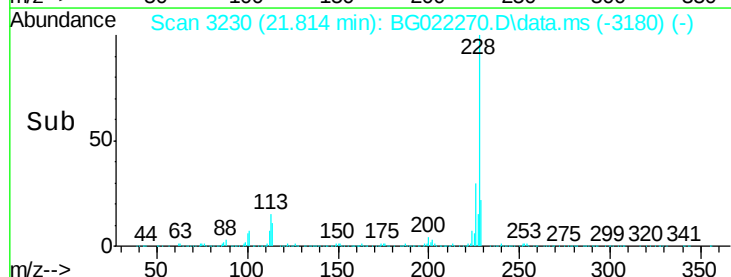
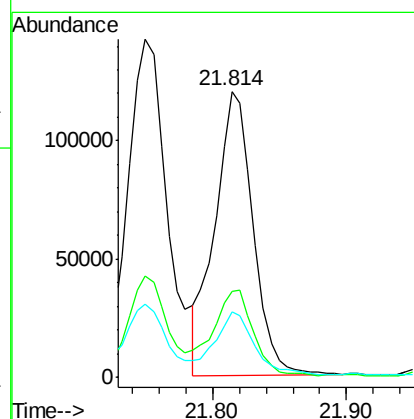
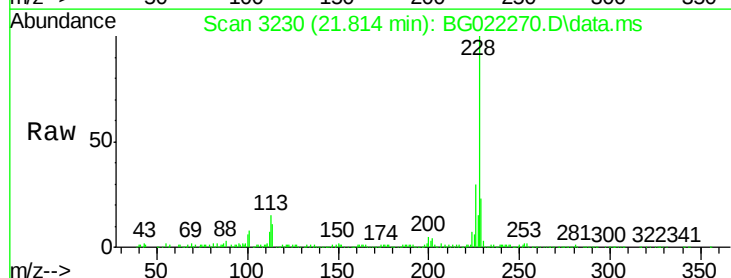
Tgt Ion:228 Resp: 240875

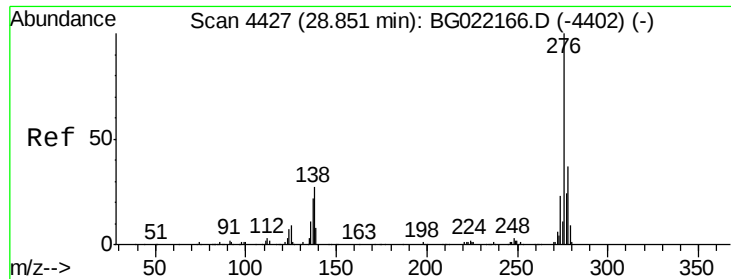
Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.0

229 22.8 15.9 23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.37 ng

RT: 28.853 min Scan# 44

Delta R.T. 0.002 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

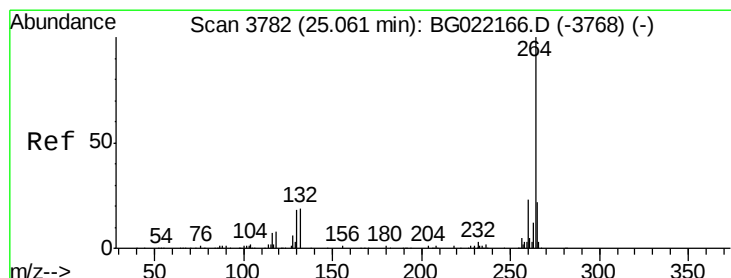
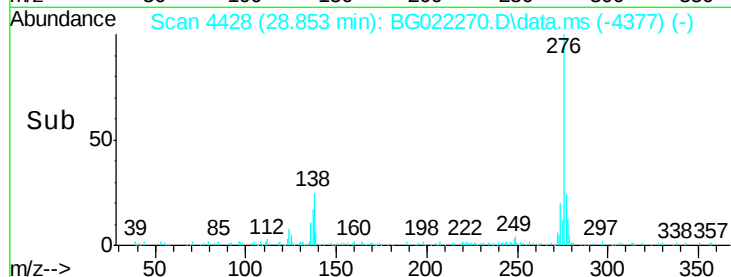
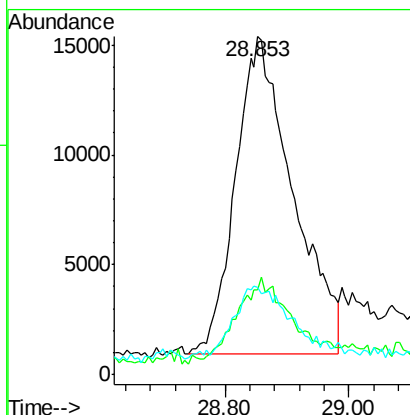
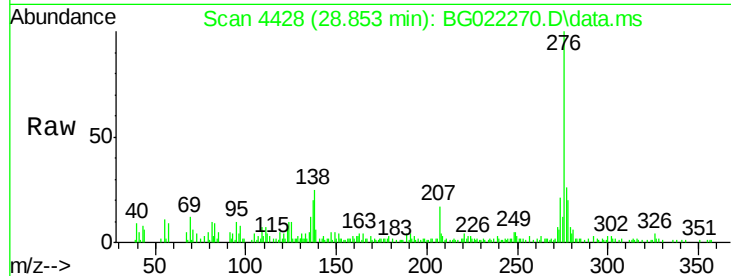
Tot Ion:276 Resp: 92652

Ion Ratio Lower Upper

276 100

138 22.7 14.0 21.0#

277 21.0 20.6 30.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.075 min Scan# 3785

Delta R.T. 0.014 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

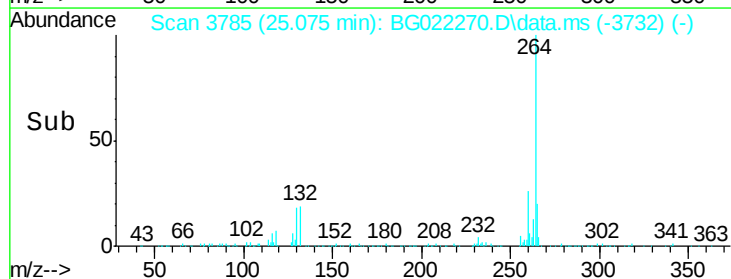
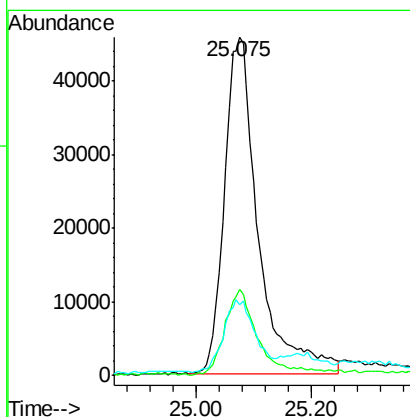
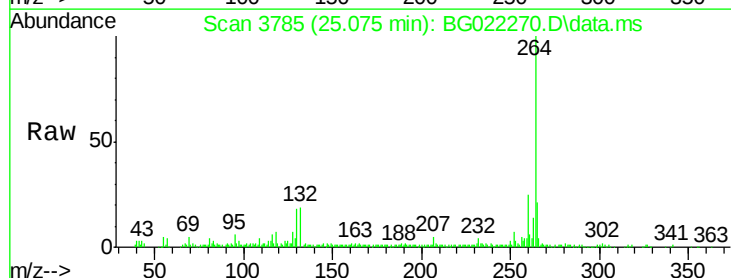
Tgt Ion:264 Resp: 184977

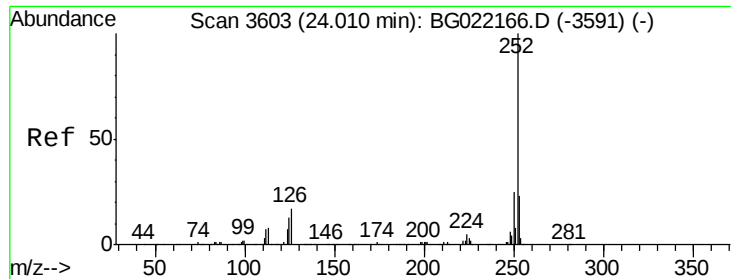
Ion Ratio Lower Upper

264 100

260 25.5 20.2 30.4

265 20.7 17.8 26.8





#87

Benzo(b)fluoranthene

Concen: 40.58 ng

RT: 24.024 min Scan# 3606

Delta R.T. 0.014 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

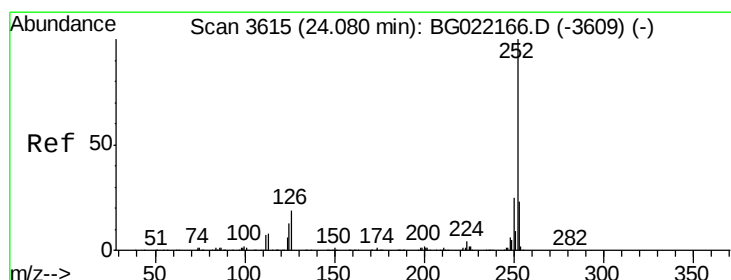
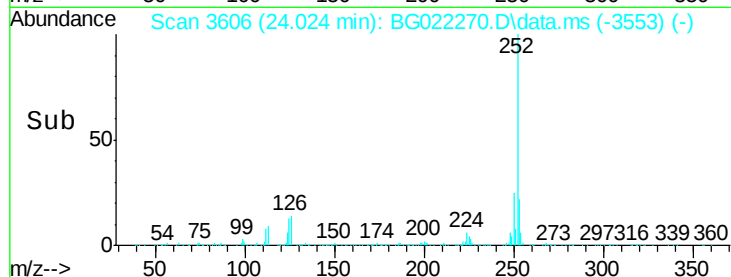
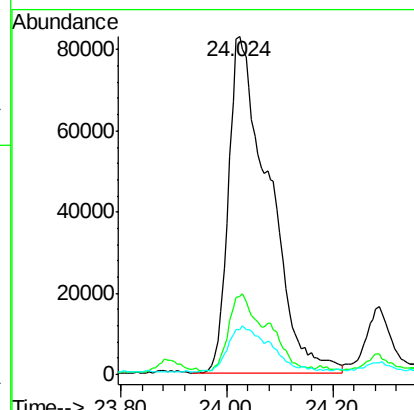
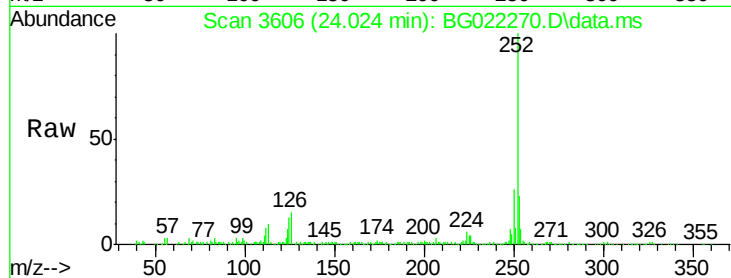
Tot Ion:252 Resp: 437769

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 13.5 8.6 13.0#



#88

Benzo(k)fluoranthene

Concen: 41.22 ng

RT: 24.024 min Scan# 3606

Delta R.T. -0.057 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

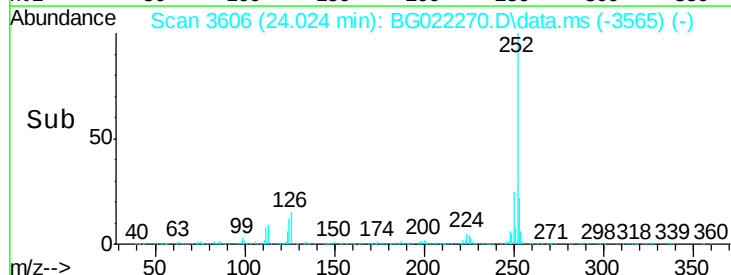
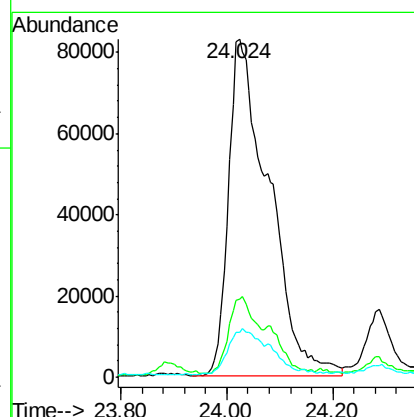
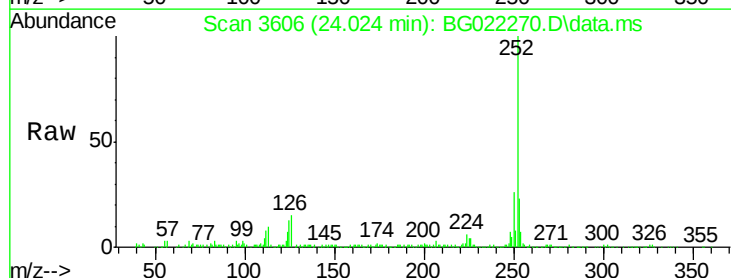
Tgt Ion:252 Resp: 437769

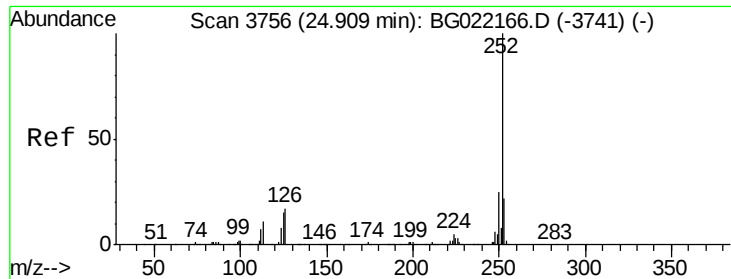
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 13.5 8.3 12.5#





#89

Benzo(a)pyrene

Concen: 21.19 ng

RT: 24.917 min Scan# 37

Delta R.T. 0.008 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Instrument :

BNA_G

ClientSampleId :

SS-47

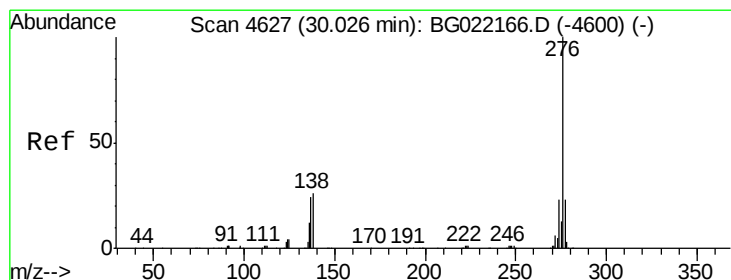
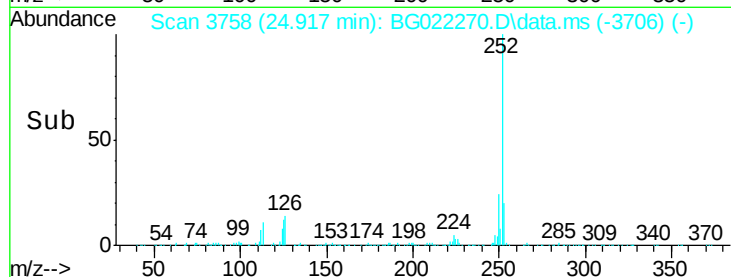
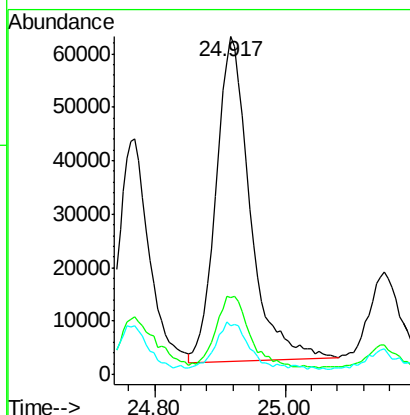
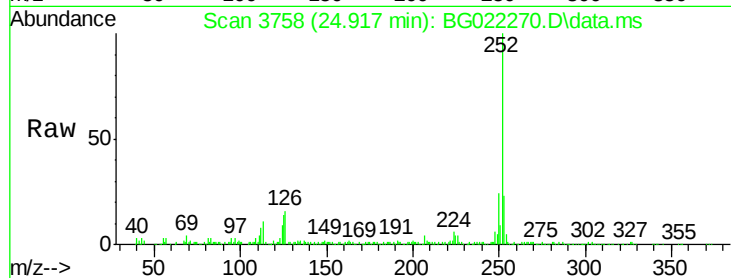
Tot Ion:252 Resp: 218580

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 14.3 9.6 14.4



#91

Benzo(g,h,i)perylene

Concen: 7.21 ng

RT: 30.040 min Scan# 4630

Delta R.T. 0.014 min

Lab File: BG022270.D

Acq: 9 Jun 2016 15:53

Tgt Ion:276 Resp: 72914

Ion Ratio Lower Upper

276 100

277 21.9 19.4 29.2

138 29.7 17.4 26.0#

