

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
 Data File : BG022266.D
 Acq On : 9 Jun 2016 13:13
 Operator : UM/SJ
 Sample : H3402-11 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-45

Quant Time: Jun 09 13:55:14 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)

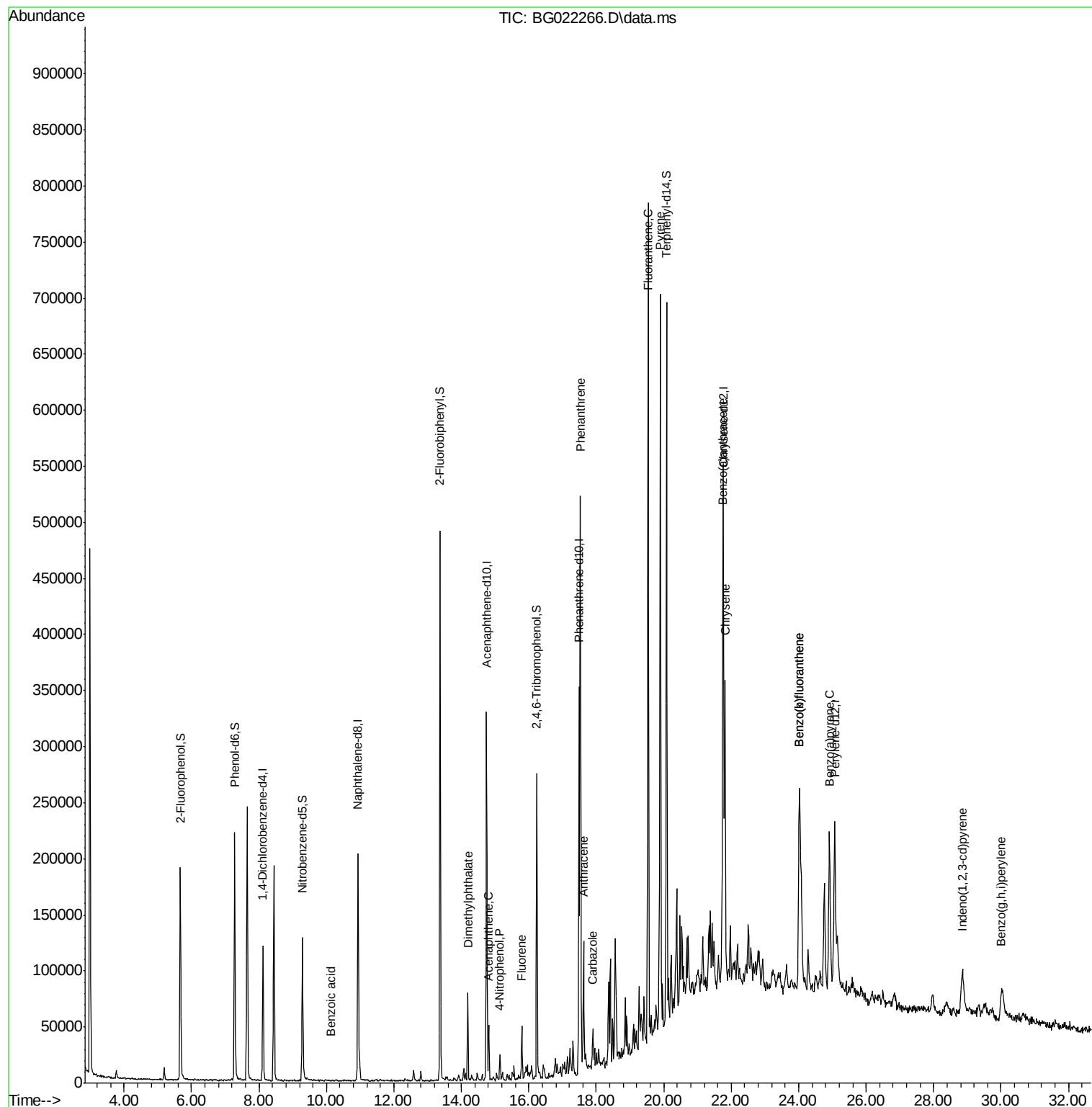
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.120	152	45630	20.00	ng	0.00
21) Naphthalene-d8	10.934	136	228224	20.00	ng	0.00
38) Acenaphthene-d10	14.747	164	124452	20.00	ng	0.00
63) Phenanthrene-d10	17.491	188	239182	20.00	ng	0.00
75) Chrysene-d12	21.768	240	196200	20.00	ng	0.00
86) Perylene-d12	25.070	264	190967	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.664	112	129267	54.77	ng	0.00
7) Phenol-d6	7.279	99	194988	52.55	ng	0.00
23) Nitrobenzene-d5	9.289	82	107045	32.70	ng	0.00
41) 2,4,6-Tribromophenol	16.234	330	59374	42.22	ng	0.00
44) 2-Fluorobiphenyl	13.366	172	292749	35.85	ng	0.00
78) Terphenyl-d14	20.082	244	286883	34.71	ng	0.00
Target Compounds						
32) Benzoic acid	10.123	122	57	7.31	ng	Qvalue # 1
49) Dimethylphthalate	14.189	163	60883	5.90	ng	99
51) Acenaphthene	14.812	154	20326	2.69	ng	97
55) 4-Nitrophenol	15.141	139	6306	3.67	ng	# 5
57) Fluorene	15.793	166	25899	2.55	ng	97
70) Phenanthrene	17.532	178	355355	27.35	ng	98
71) Anthracene	17.620	178	84328	6.55	ng	97
72) Carbazole	17.896	167	27172	2.23	ng	95
74) Fluoranthene	19.536	202	489734	32.79	ng	96
77) Pyrene	19.900	202	452705	37.12	ng	99
80) Benzo(a)anthracene	21.745	228	233462	21.22	ng	99
82) Chrysene	21.815	228	195836	18.29	ng	96
85) Indeno(1,2,3-cd)pyrene	28.842	276	78891	6.57	ng	# 92
87) Benzo(b)fluoranthene	24.025	252	326514	29.32	ng	# 95
88) Benzo(k)fluoranthene	24.025	252	326514	29.78	ng	# 95
89) Benzo(a)pyrene	24.912	252	161542	15.17	ng	# 93
91) Benzo(g,h,i)perylene	30.012	276	25999	2.49	ng	# 93

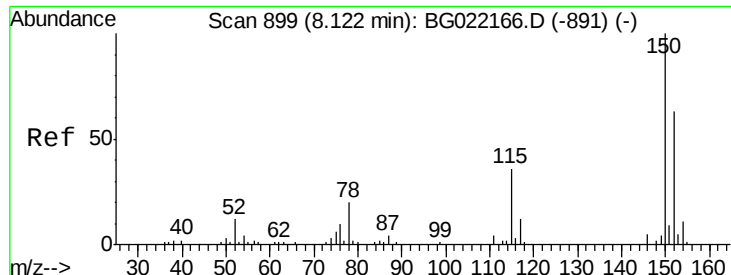
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.120 min Scan# 89

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

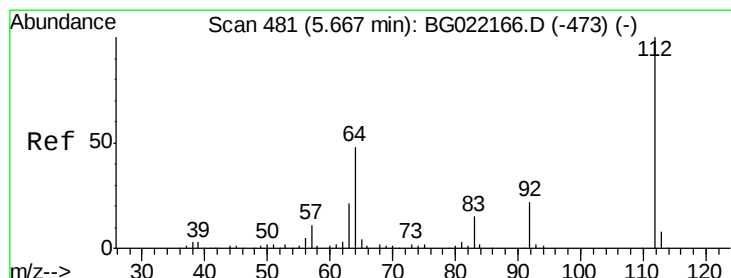
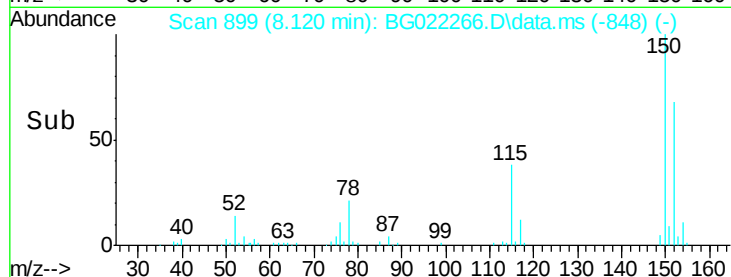
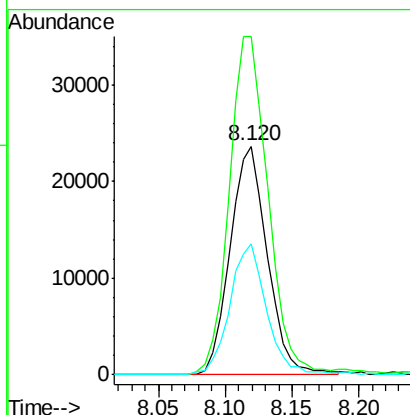
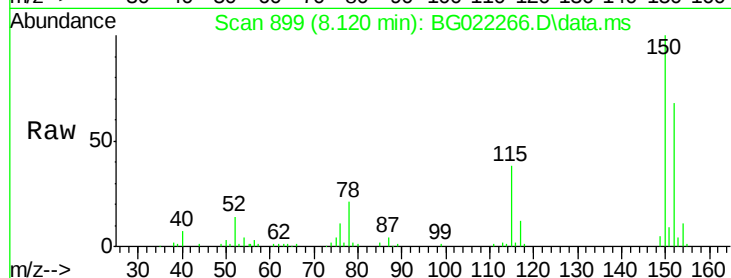
Tot Ion:152 Resp: 45630

Ion Ratio Lower Upper

152 100

150 148.0 130.1 195.1

115 56.9 62.2 93.2#



#5

2-Fluorophenol

Concen: 54.77 ng

RT: 5.664 min Scan# 481

Delta R.T. -0.002 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

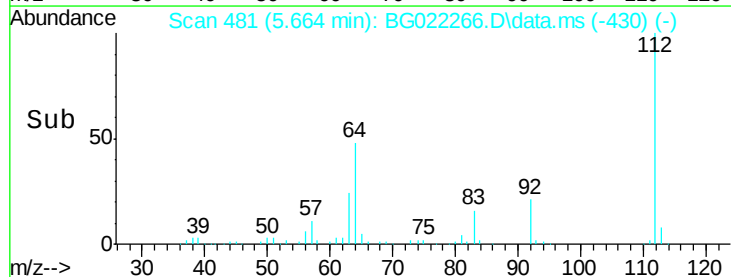
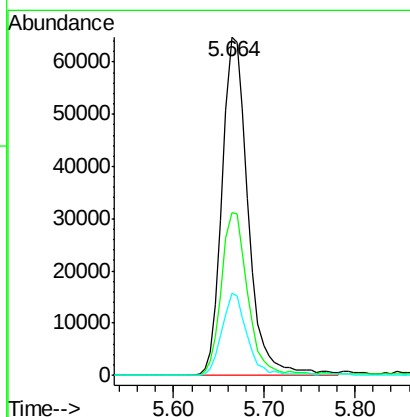
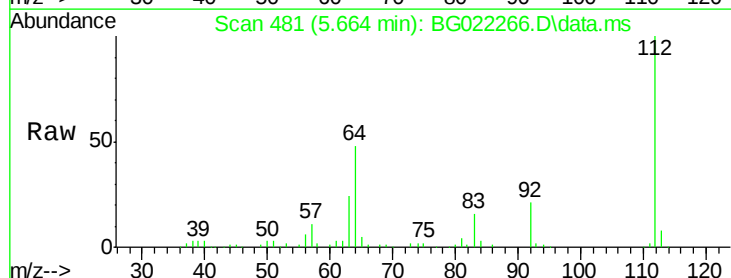
Tgt Ion:112 Resp: 129267

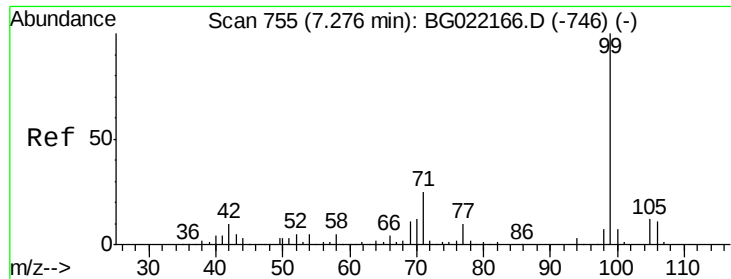
Ion Ratio Lower Upper

112 100

64 48.1 51.1 76.7#

63 24.1 24.6 37.0#





#7

Phenol-d6

Concen: 52.55 ng

RT: 7.279 min Scan# 75

Delta R.T. 0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

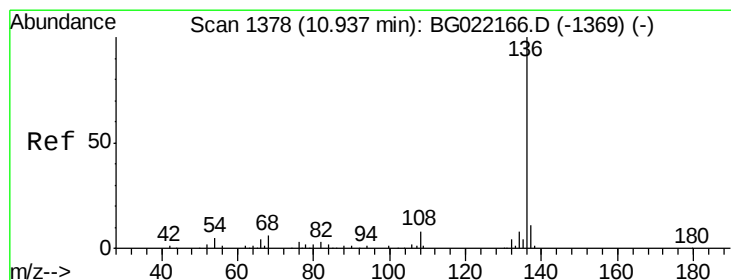
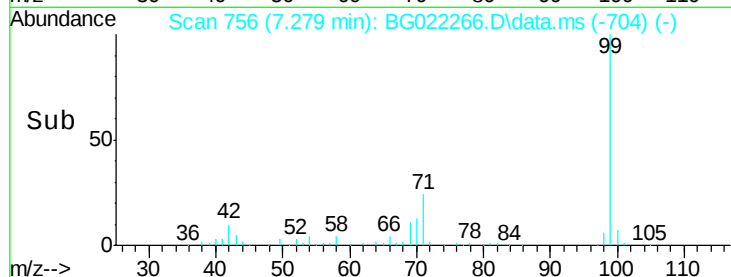
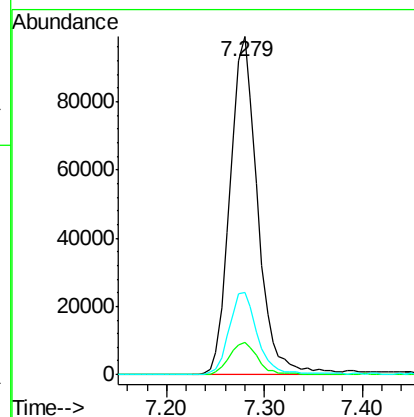
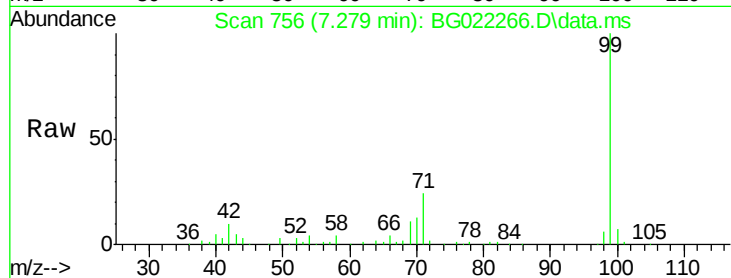
Tot Ion: 99 Resp: 194988

Ion Ratio Lower Upper

99 100

42 9.6 16.4 24.6#

71 24.3 25.0 37.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.934 min Scan# 1378

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Tgt Ion: 136 Resp: 228224

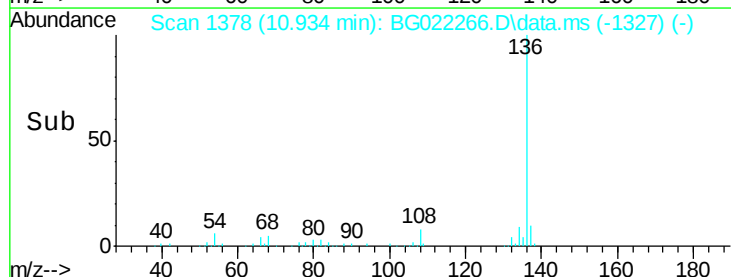
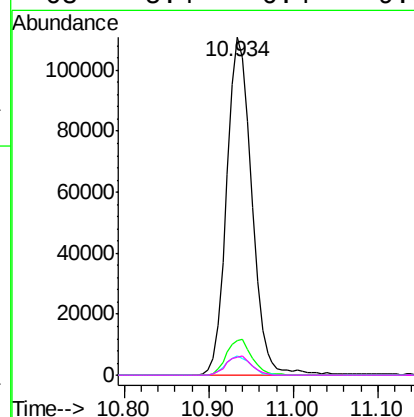
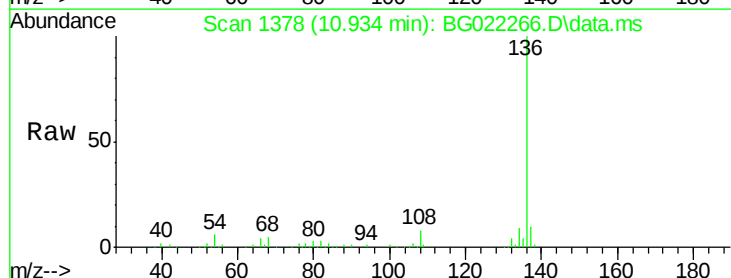
Ion Ratio Lower Upper

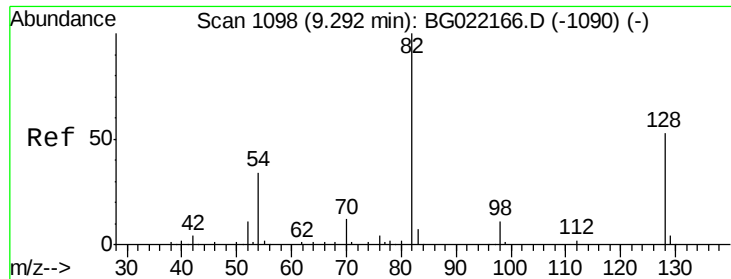
136 100

137 10.3 9.0 13.4

54 5.9 9.6 14.4#

68 5.4 6.4 9.6#





#23

Nitrobenzene-d5

Concen: 32.70 ng

RT: 9.289 min Scan# 10

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

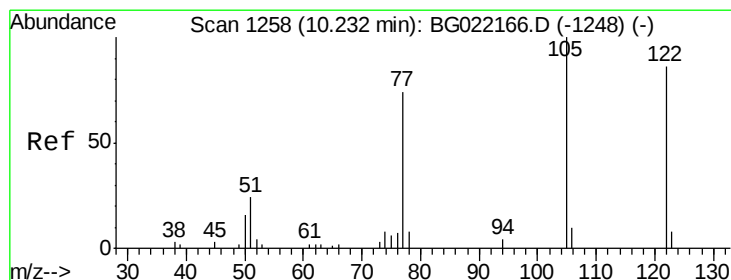
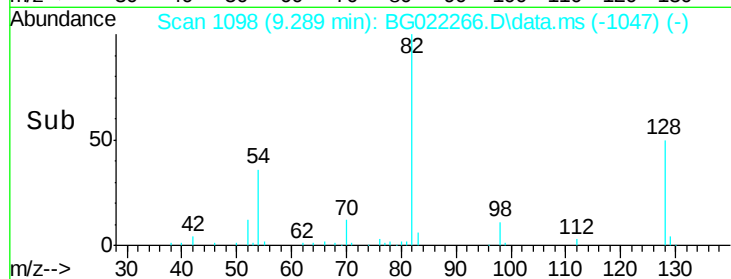
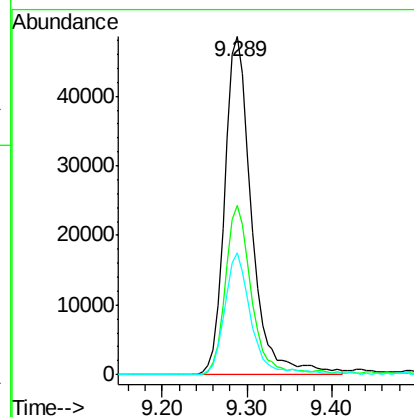
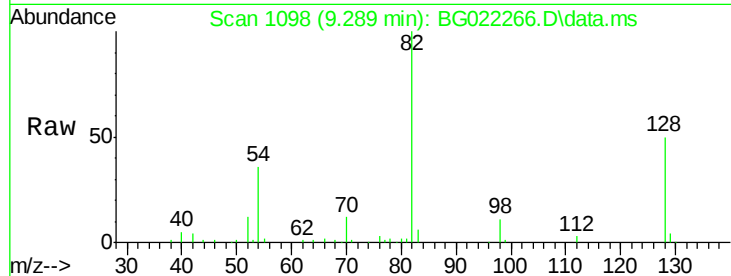
Tot Ion: 82 Resp: 107045

Ion Ratio Lower Upper

82 100

128 50.2 33.4 50.0#

54 36.0 46.1 69.1#



#32

Benzoic acid

Concen: 7.31 ng

RT: 10.123 min Scan# 1240

Delta R.T. -0.108 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

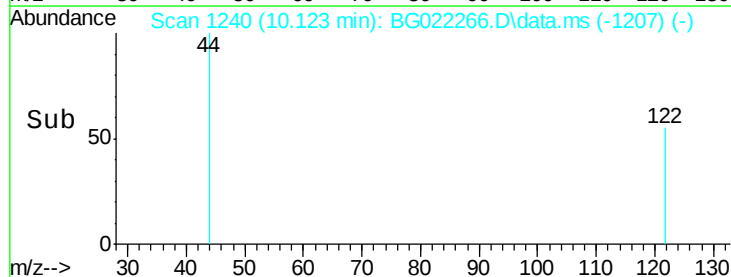
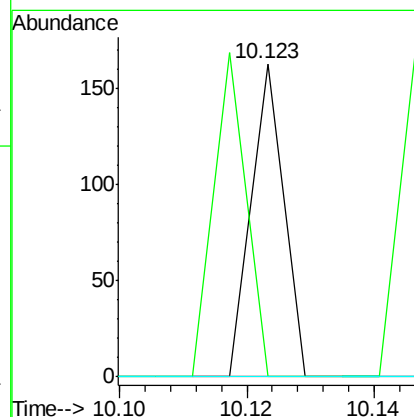
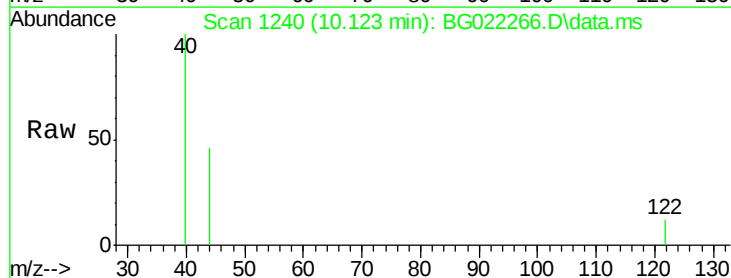
Tgt Ion: 122 Resp: 57

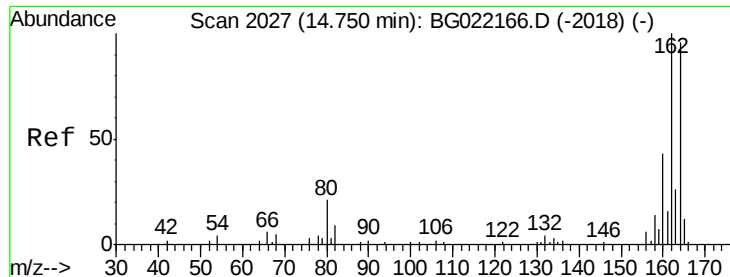
Ion Ratio Lower Upper

122 100

105 0.0 104.5 144.5#

77 0.0 79.9 119.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.747 min Scan# 20

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

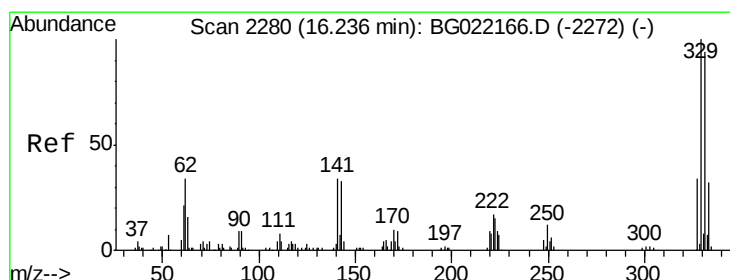
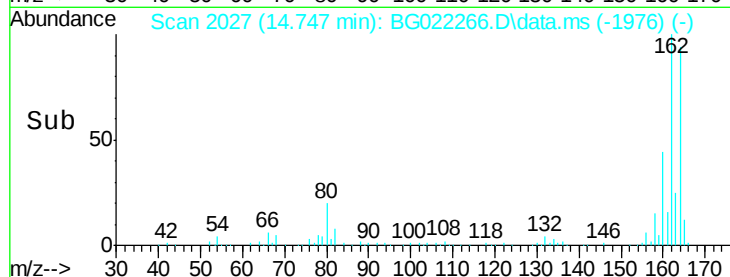
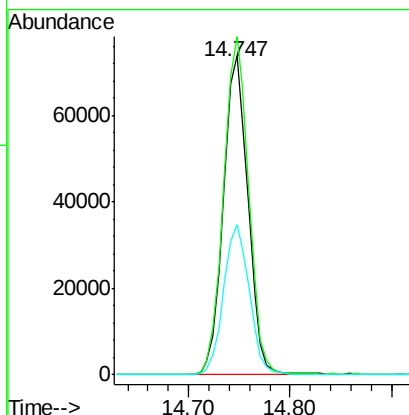
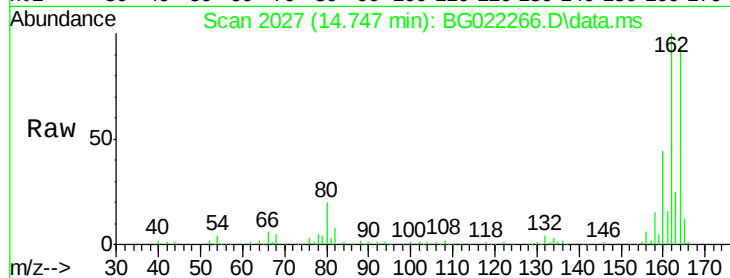
Tot Ion:164 Resp: 124452

Ion Ratio Lower Upper

164 100

162 106.1 78.0 117.0

160 46.9 32.9 49.3



#41

2,4,6-Tribromophenol

Concen: 42.22 ng

RT: 16.234 min Scan# 2280

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

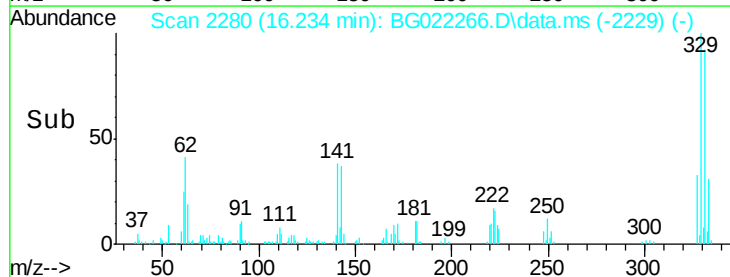
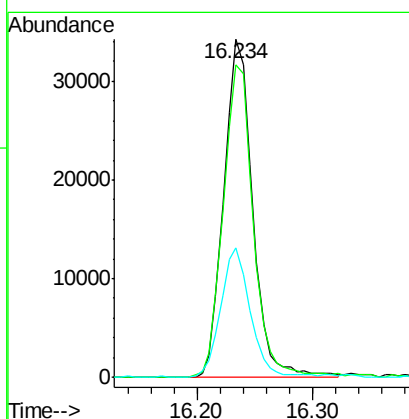
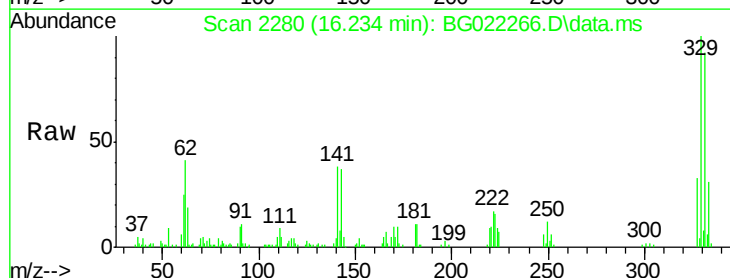
Tgt Ion:330 Resp: 59374

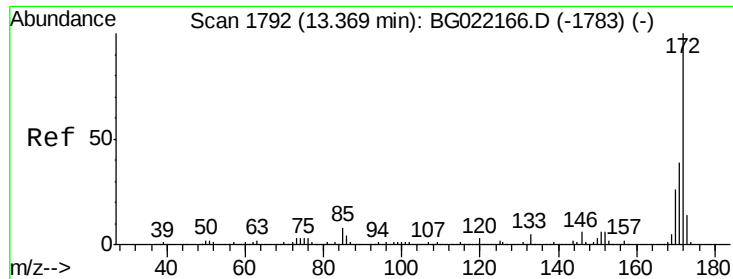
Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 38.8 33.8 50.8

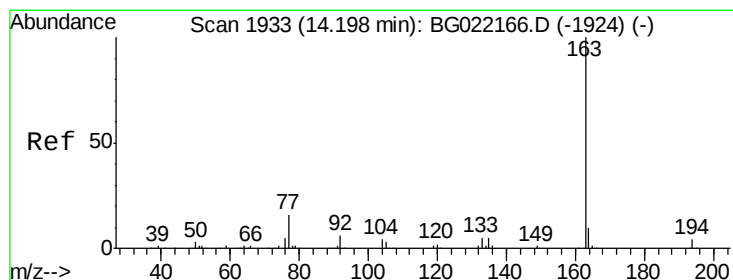
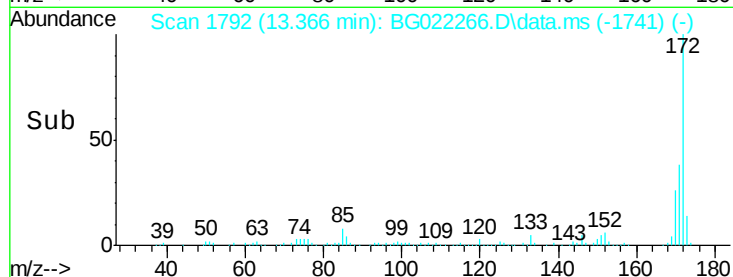
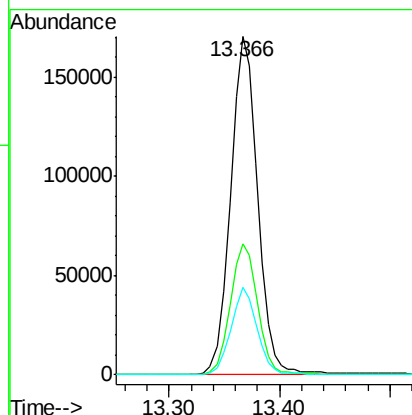
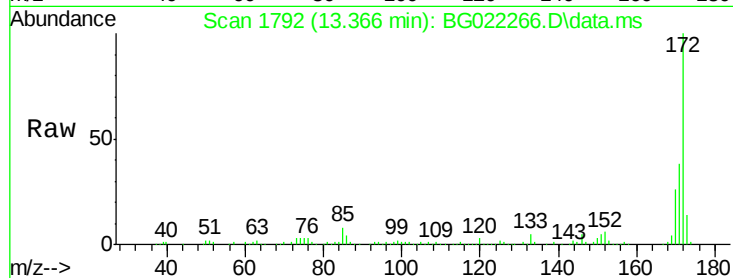




#44
 2-Fluorobiphenyl
 Concen: 35.85 ng
 RT: 13.366 min Scan# 1792
 Delta R.T. -0.003 min
 Lab File: BG022266.D
 Acq: 9 Jun 2016 13:13

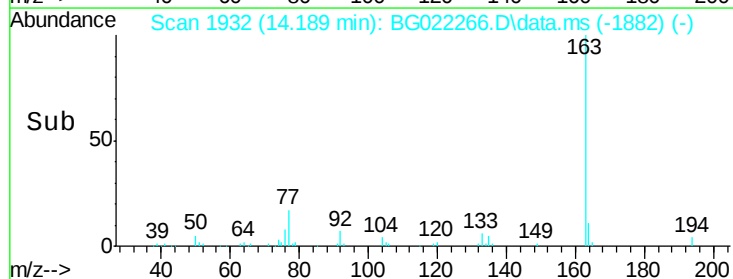
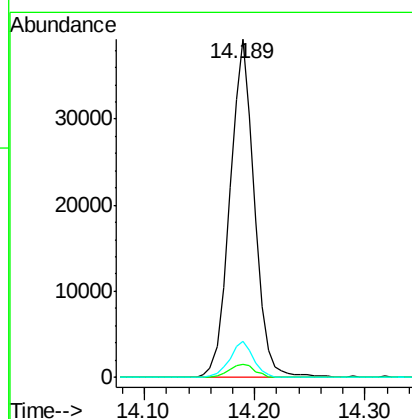
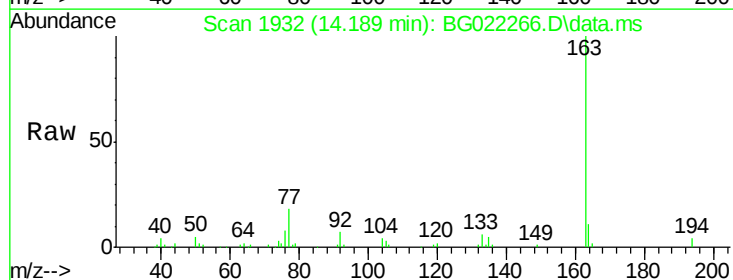
Instrument :
 BNA_G
 ClientSampleId :
 SS-45

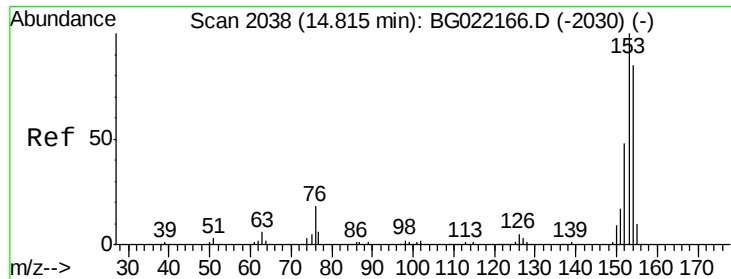
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	27.8	41.6
170	25.9	19.6	29.4



#49
 Dimethylphthalate
 Concen: 5.90 ng
 RT: 14.189 min Scan# 1932
 Delta R.T. -0.009 min
 Lab File: BG022266.D
 Acq: 9 Jun 2016 13:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.7	8.1	12.1





#51

Acenaphthene

Concen: 2.69 ng

RT: 14.812 min Scan# 2038

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

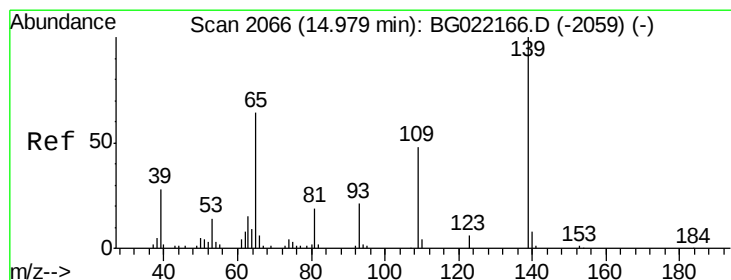
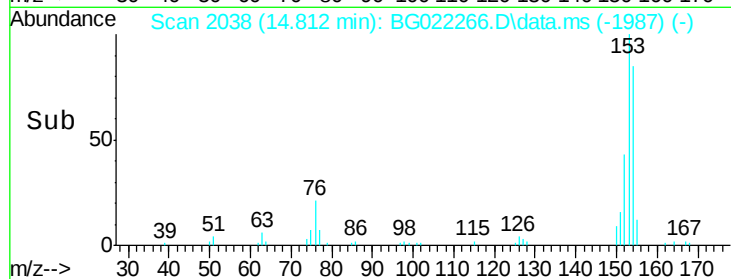
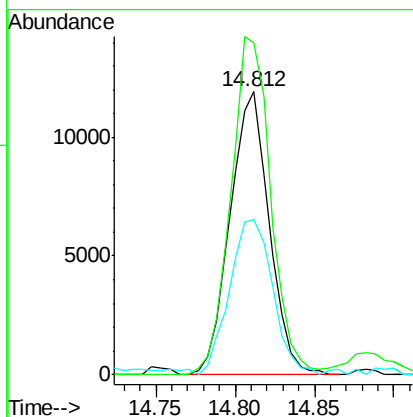
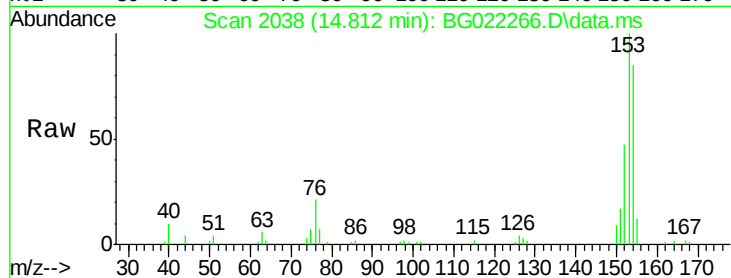
Tot Ion:154 Resp: 20326

Ion Ratio Lower Upper

154 100

153 117.3 91.9 137.9

152 55.0 42.0 63.0



#55

4-Nitrophenol

Concen: 3.67 ng

RT: 15.141 min Scan# 2094

Delta R.T. 0.162 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

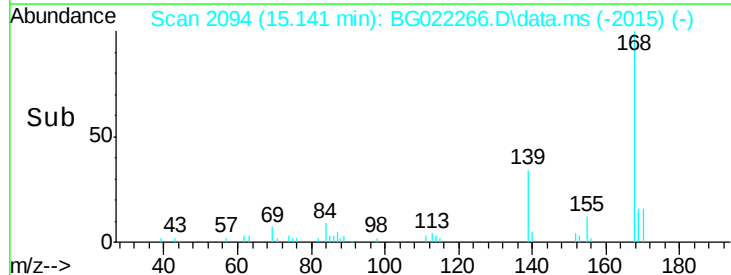
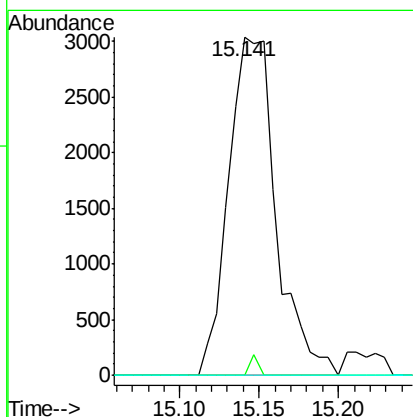
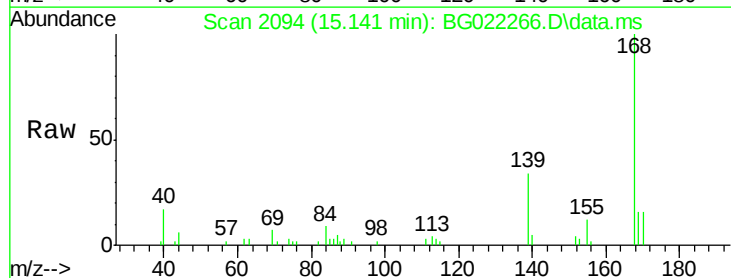
Tgt Ion:139 Resp: 6306

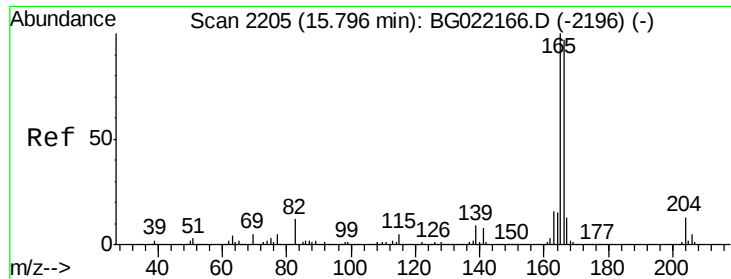
Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

65 0.0 83.2 123.2#





#57

Fluorene

Concen: 2.55 ng

RT: 15.793 min Scan# 22

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

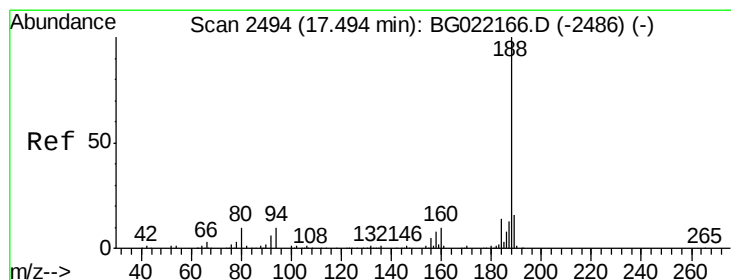
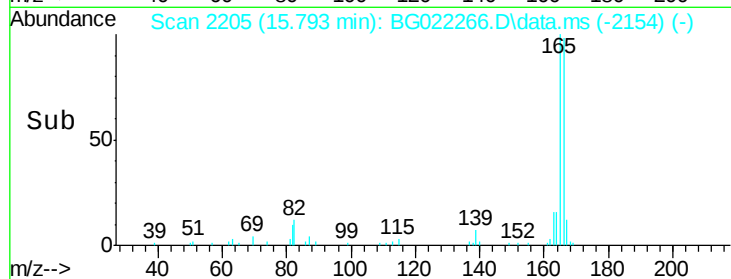
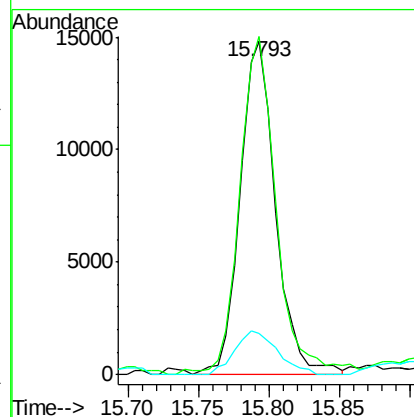
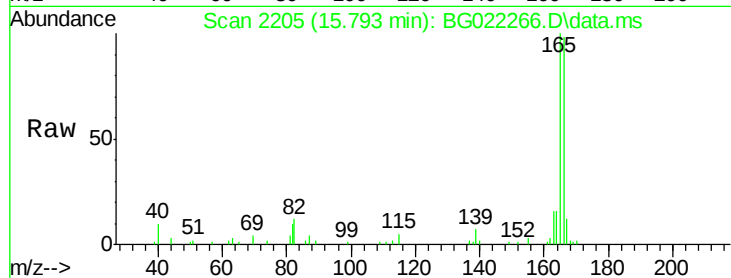
Tot Ion:166 Resp: 25899

Ion Ratio Lower Upper

166 100

165 101.7 79.0 118.4

167 12.5 10.7 16.1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.491 min Scan# 2494

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

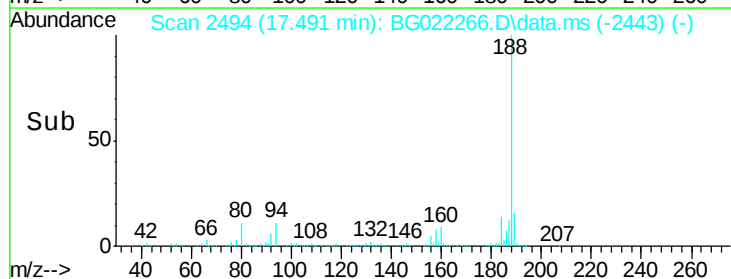
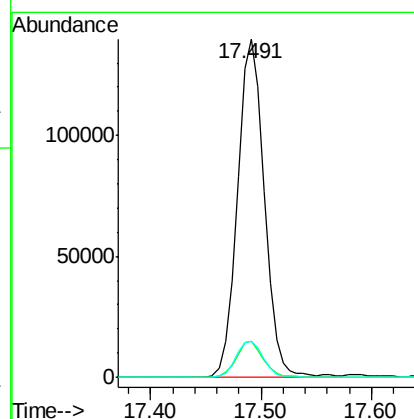
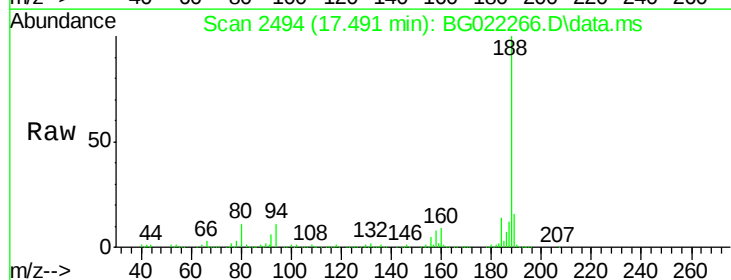
Tgt Ion:188 Resp: 239182

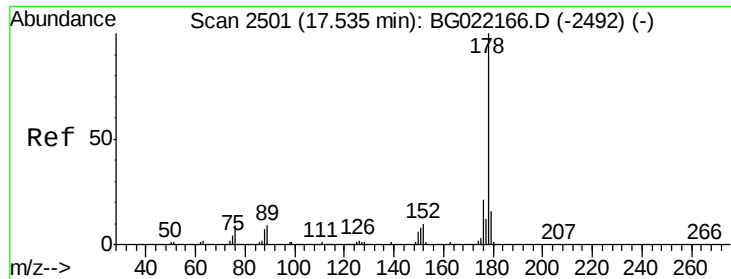
Ion Ratio Lower Upper

188 100

94 10.6 7.5 11.3

80 10.7 8.6 13.0





#70

Phenanthrene

Concen: 27.35 ng

RT: 17.532 min Scan# 25

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

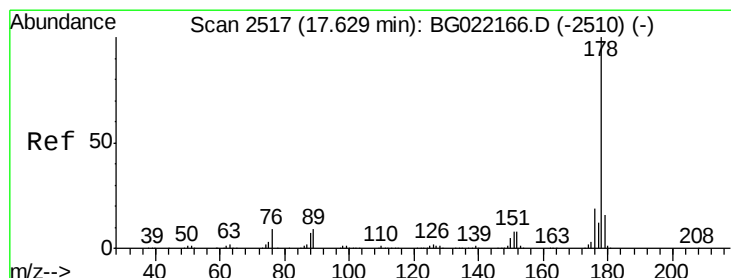
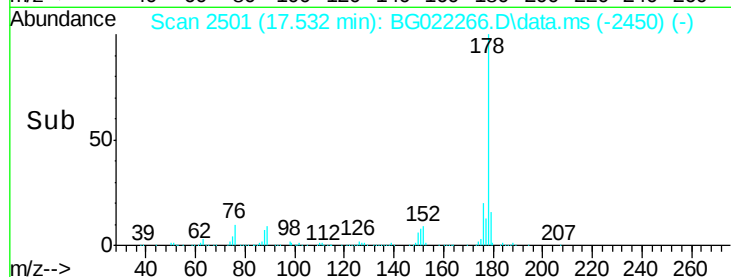
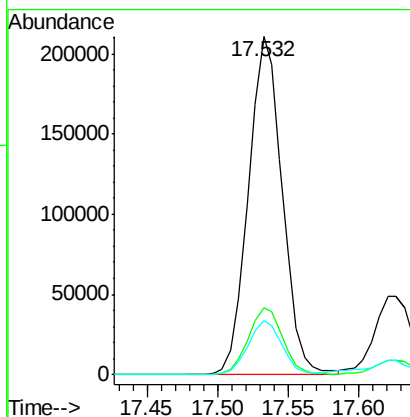
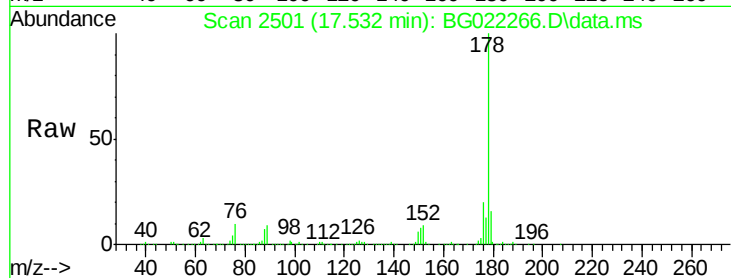
Tot Ion:178 Resp: 355355

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

179 16.0 12.0 18.0



#71

Anthracene

Concen: 6.55 ng

RT: 17.620 min Scan# 2516

Delta R.T. -0.009 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

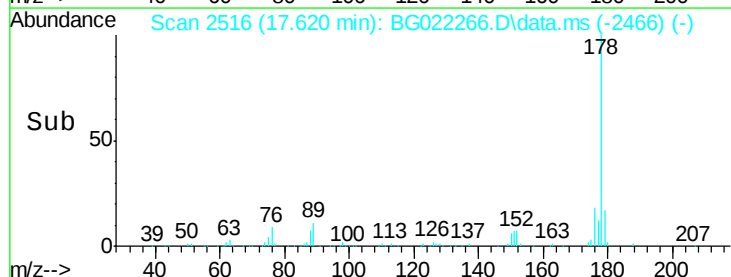
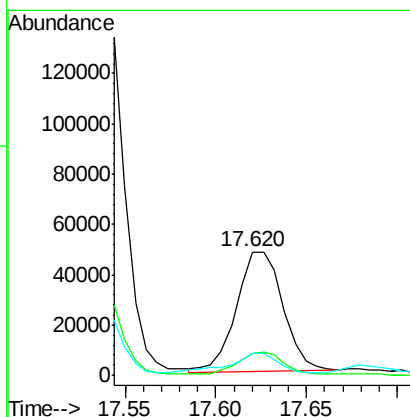
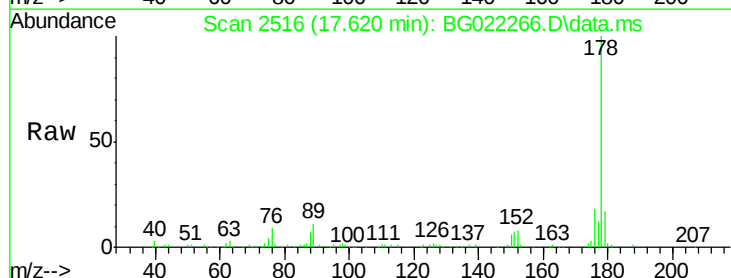
Tgt Ion:178 Resp: 84328

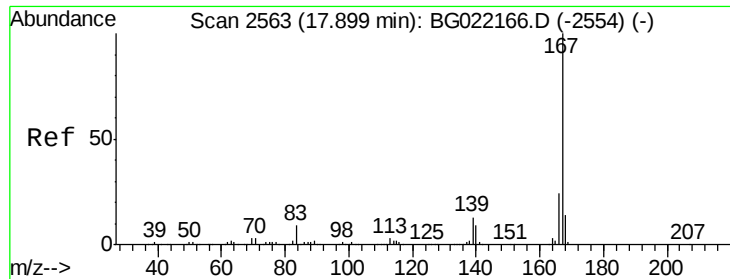
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 17.4 12.2 18.4





#72

Carbazole

Concen: 2.23 ng

RT: 17.896 min Scan# 25

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

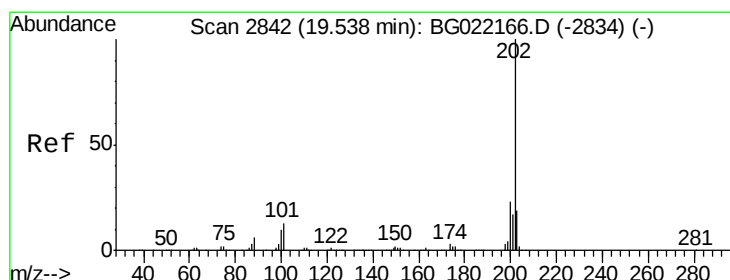
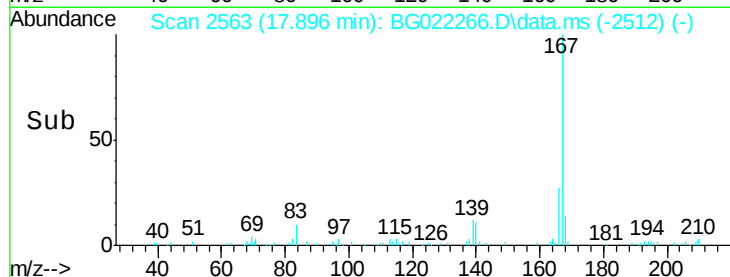
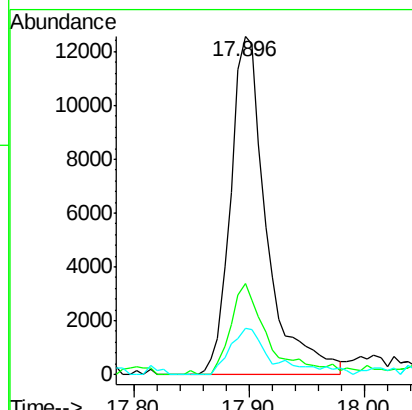
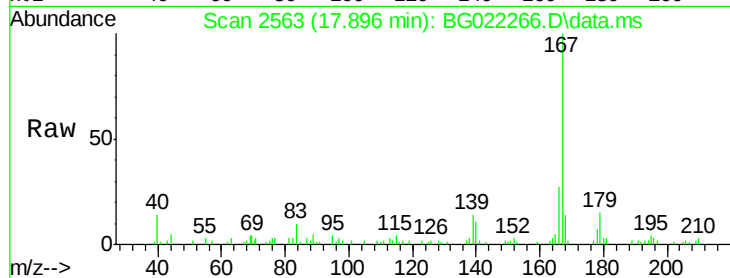
Tot Ion:167 Resp: 27172

Ion Ratio Lower Upper

167 100

166 27.0 18.6 27.8

139 13.8 10.6 15.8



#74

Fluoranthene

Concen: 32.79 ng

RT: 19.536 min Scan# 2842

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

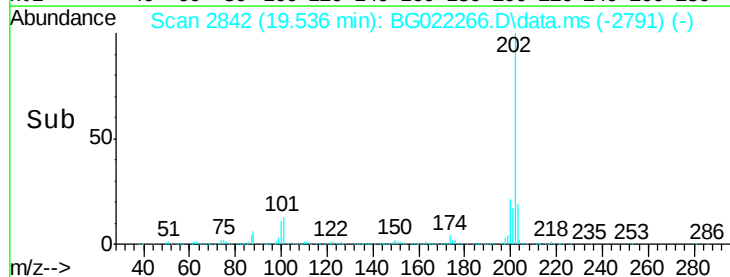
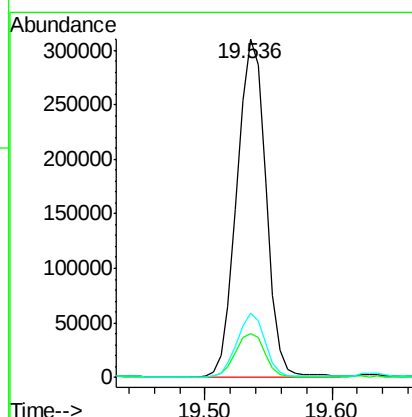
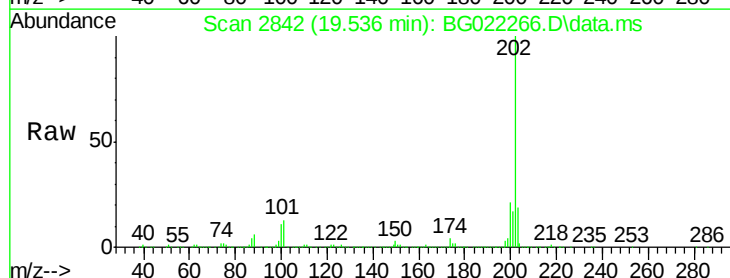
Tgt Ion:202 Resp: 489734

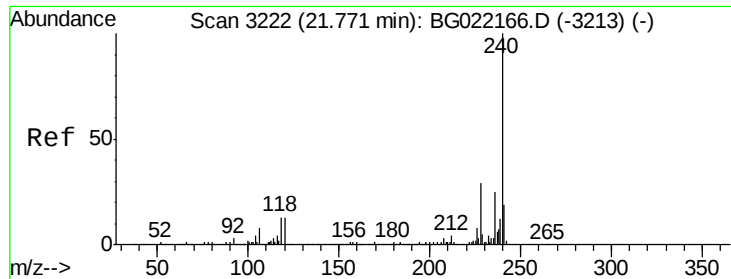
Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.0

203 19.0 0.0 37.9

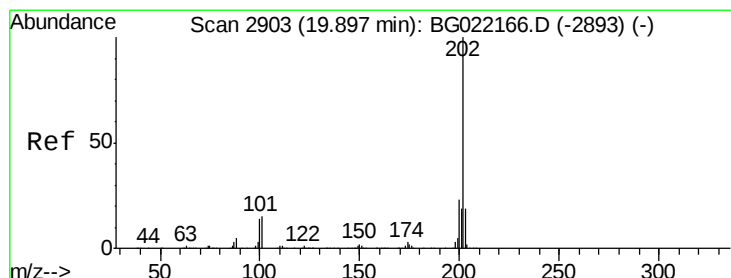
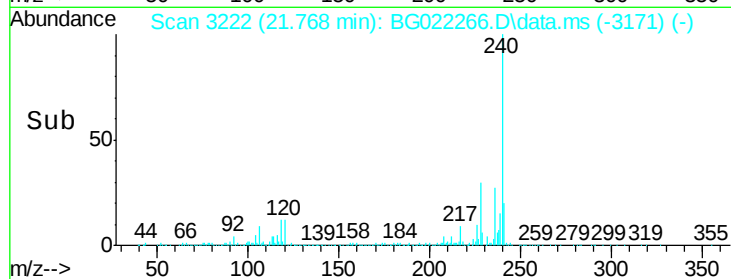
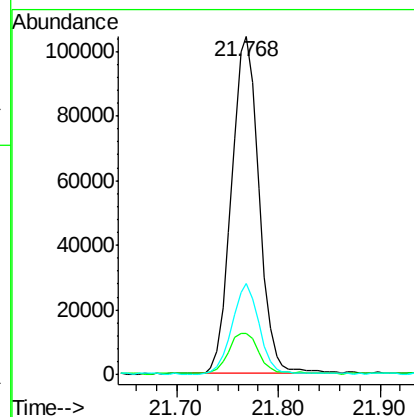
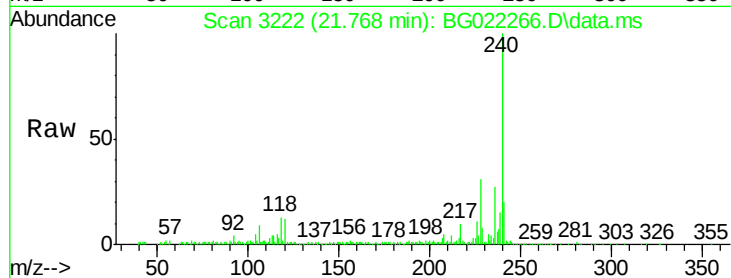




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.768 min Scan# 32
Delta R.T. -0.003 min
Lab File: BG022266.D
Acq: 9 Jun 2016 13:13

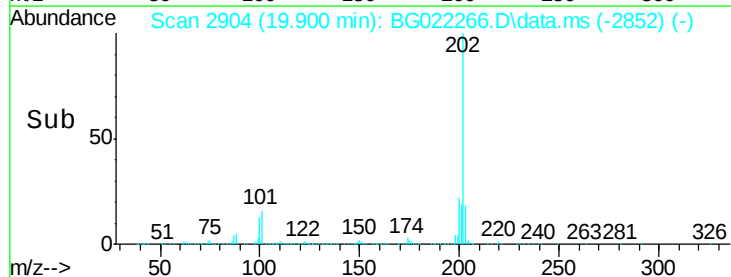
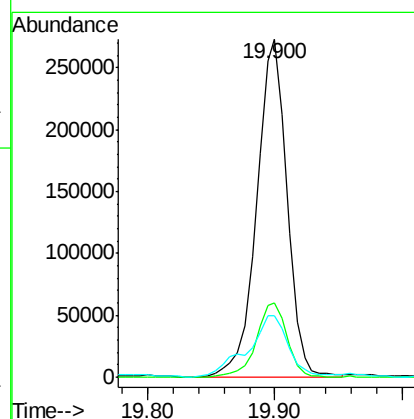
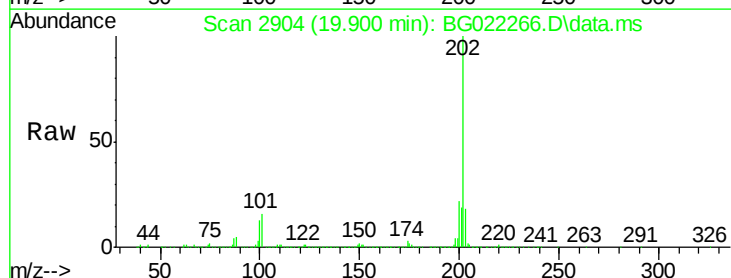
Instrument :
BNA_G
ClientSampleId :
SS-45

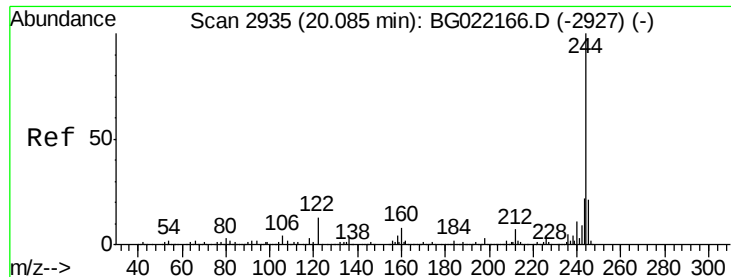
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.4	12.6
236	26.9	19.6	29.4



#77
Pyrene
Concen: 37.12 ng
RT: 19.900 min Scan# 2904
Delta R.T. 0.003 min
Lab File: BG022266.D
Acq: 9 Jun 2016 13:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.2	27.2
203	18.4	15.0	22.4





#78

Terphenyl-d14

Concen: 34.71 ng

RT: 20.082 min Scan# 29

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

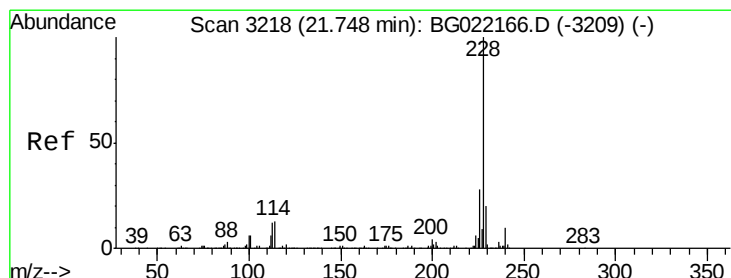
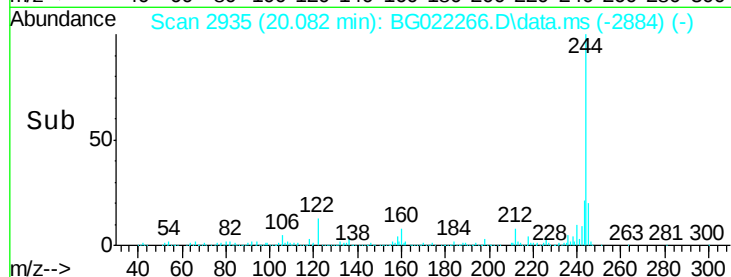
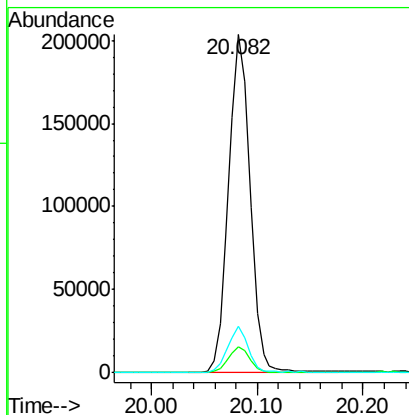
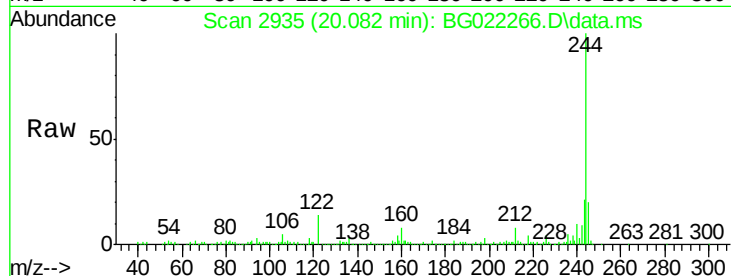
Tot Ion:244 Resp: 286883

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 13.5 8.6 12.8#



#80

Benzo(a)anthracene

Concen: 21.22 ng

RT: 21.745 min Scan# 3218

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

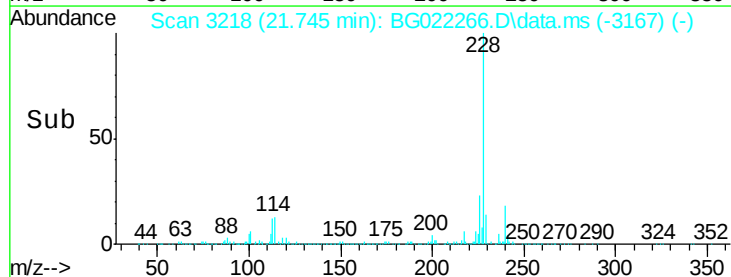
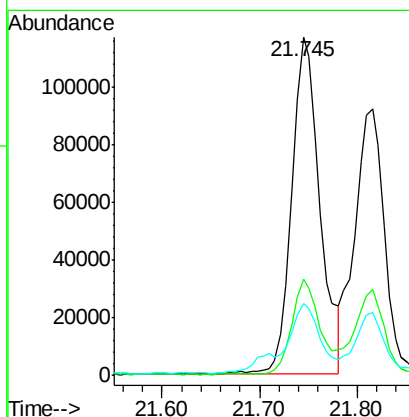
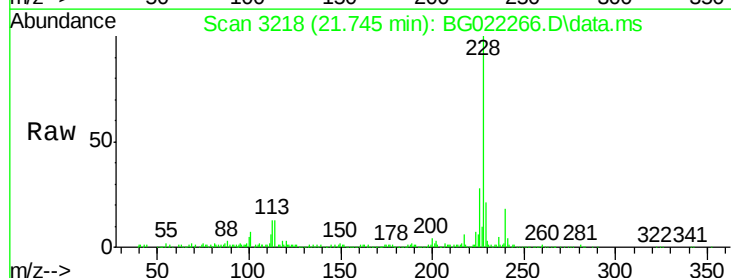
Tgt Ion:228 Resp: 233462

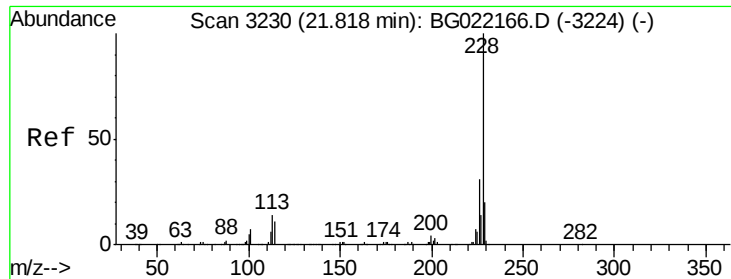
Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

229 21.4 16.1 24.1





#82

Chrysene

Concen: 18.29 ng

RT: 21.815 min Scan# 32

Delta R.T. -0.003 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

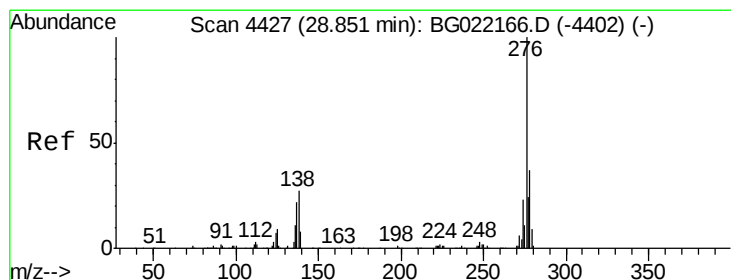
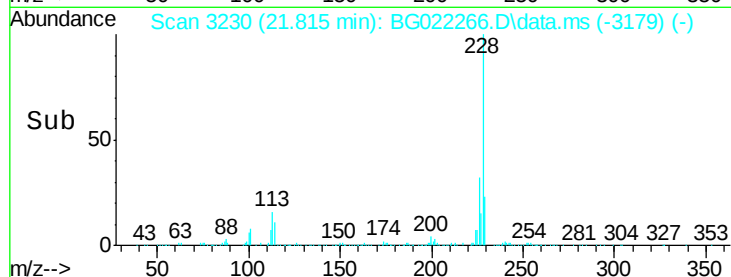
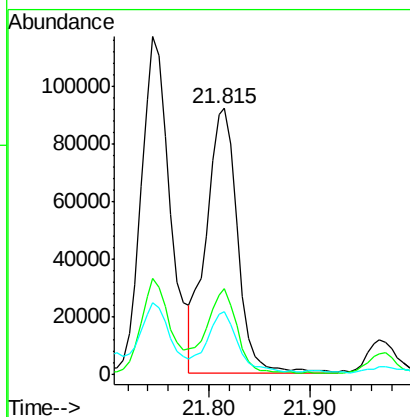
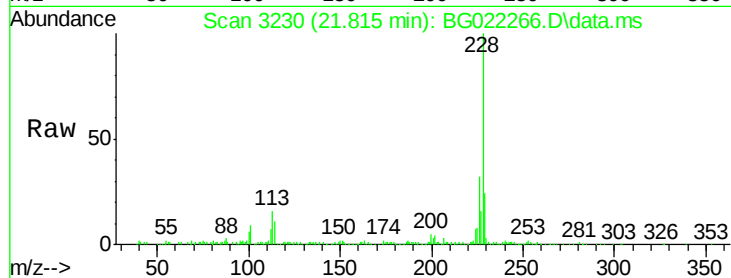
Tot Ion:228 Resp: 195836

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.0

229 23.9 15.9 23.9



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.57 ng

RT: 28.842 min Scan# 4426

Delta R.T. -0.009 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

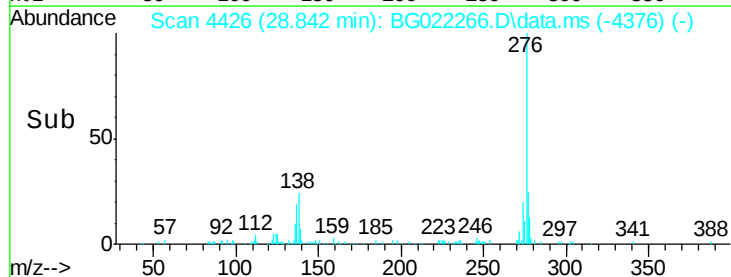
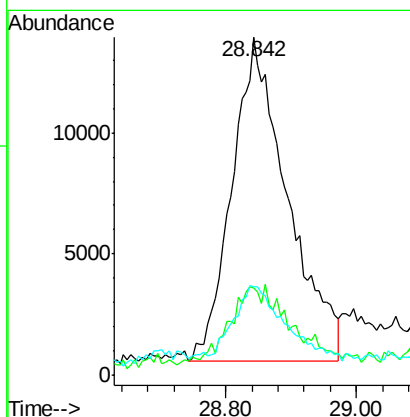
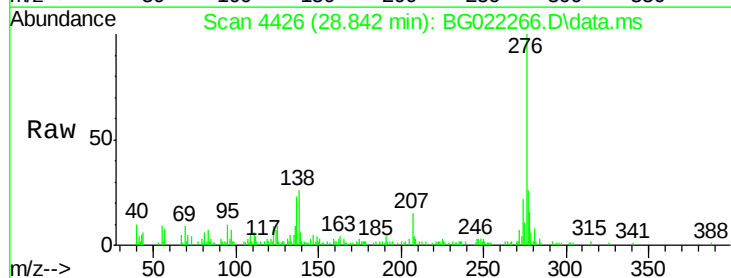
Tgt Ion:276 Resp: 78891

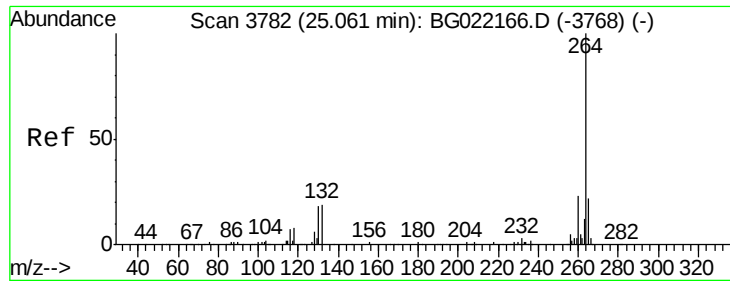
Ion Ratio Lower Upper

276 100

138 13.9 14.0 21.0#

277 22.0 20.6 30.8

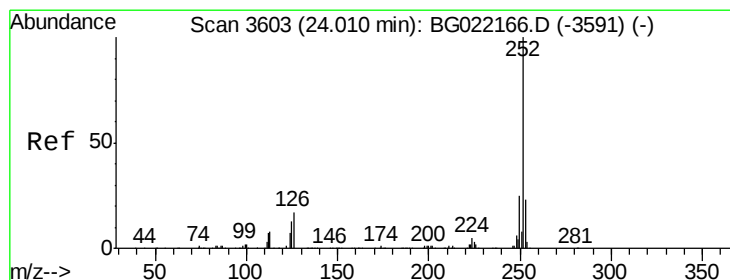
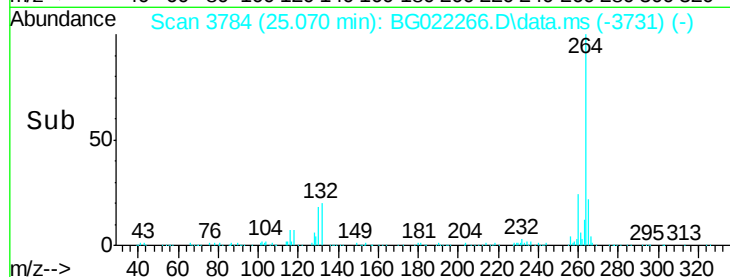
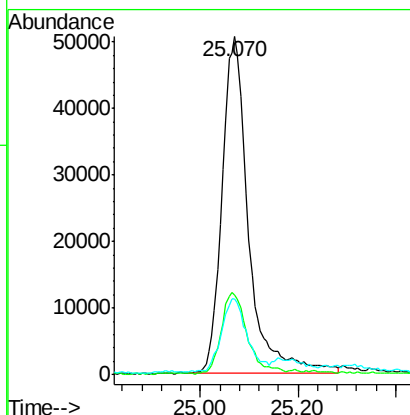
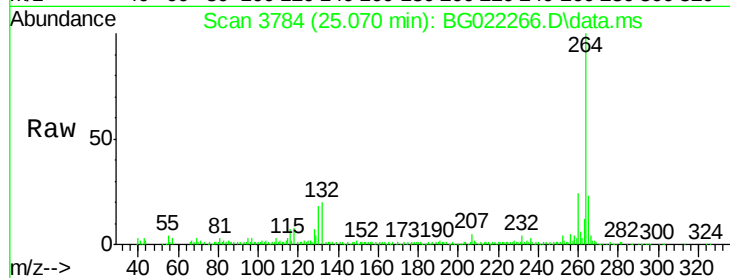




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.070 min Scan# 37
Delta R.T. 0.009 min
Lab File: BG022266.D
Acq: 9 Jun 2016 13:13

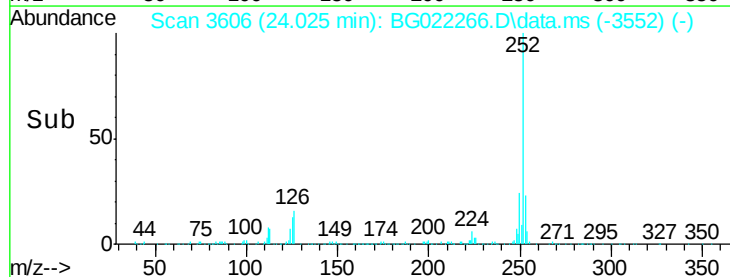
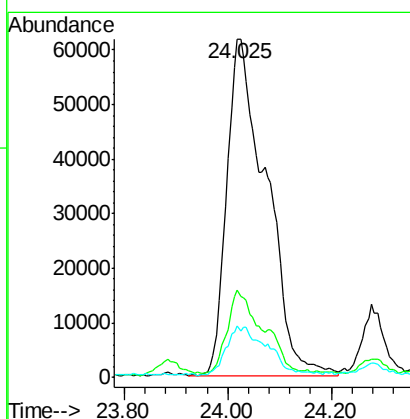
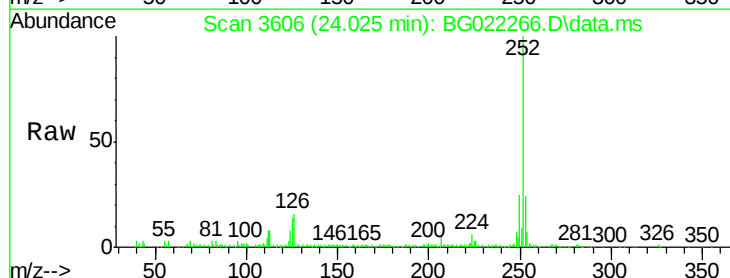
Instrument :
BNA_G
ClientSampleId :
SS-45

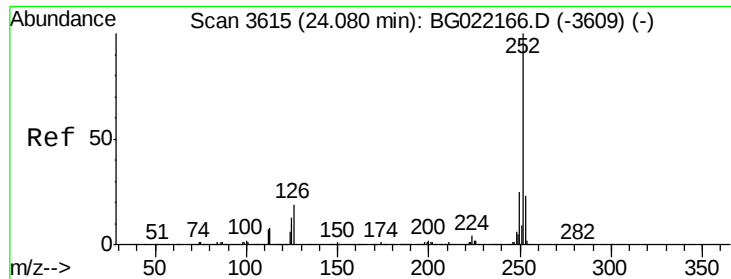
Tot Ion:264 Resp: 190967
Ion Ratio Lower Upper
264 100
260 23.7 20.2 30.4
265 22.6 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 29.32 ng
RT: 24.025 min Scan# 3606
Delta R.T. 0.015 min
Lab File: BG022266.D
Acq: 9 Jun 2016 13:13

Tgt Ion:252 Resp: 326514
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.7 8.6 13.0#

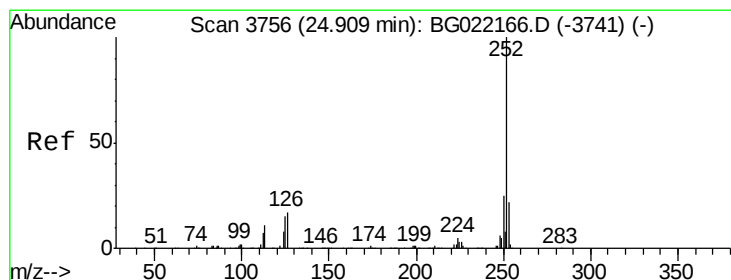
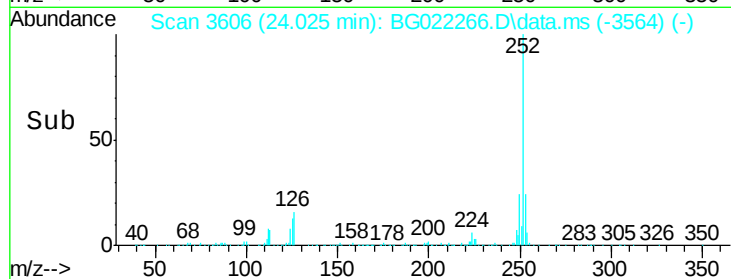
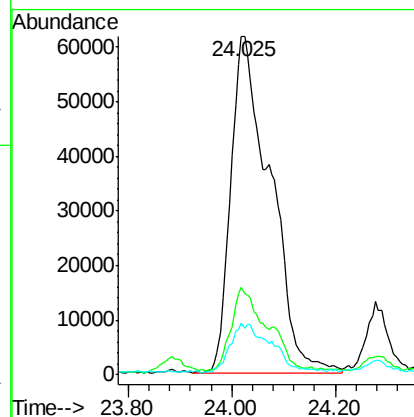
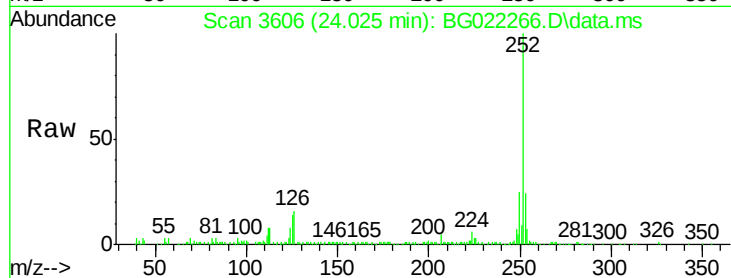




#88
Benzo(k)fluoranthene
Concen: 29.78 ng
RT: 24.025 min Scan# 3615
Delta R.T. -0.056 min
Lab File: BG022266.D
Acq: 9 Jun 2016 13:13

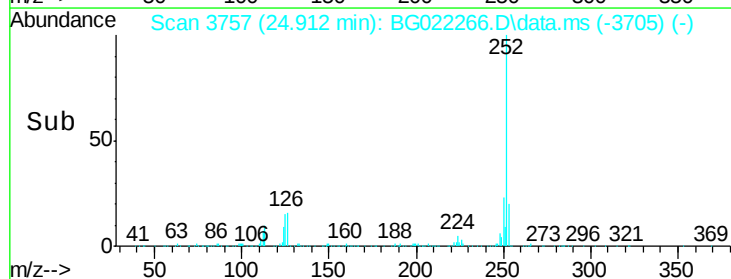
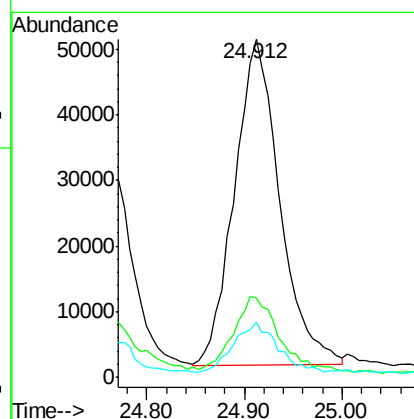
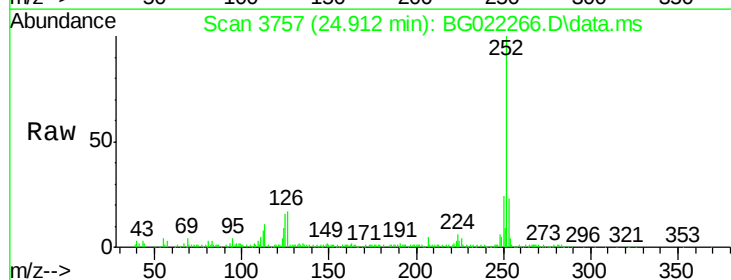
Instrument :
BNA_G
ClientSampleId :
SS-45

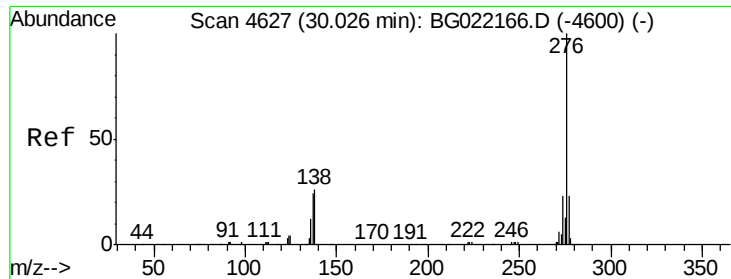
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	13.7	8.3	12.5#



#89
Benzo(a)pyrene
Concen: 15.17 ng
RT: 24.912 min Scan# 3757
Delta R.T. 0.003 min
Lab File: BG022266.D
Acq: 9 Jun 2016 13:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.3	9.6	14.4#





#91

Benzo(a,h,i)perylene

Concen: 2.49 ng

RT: 30.012 min Scan# 46

Delta R.T. -0.014 min

Lab File: BG022266.D

Acq: 9 Jun 2016 13:13

Instrument :

BNA_G

ClientSampleId :

SS-45

Tot Ion:276 Resp: 25999

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.2

138 28.1 17.4 26.0#

