

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
 Data File : BG022268.D
 Acq On : 9 Jun 2016 14:33
 Operator : UM/SJ
 Sample : H3402-15 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-48

Quant Time: Jun 09 15:42:39 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)

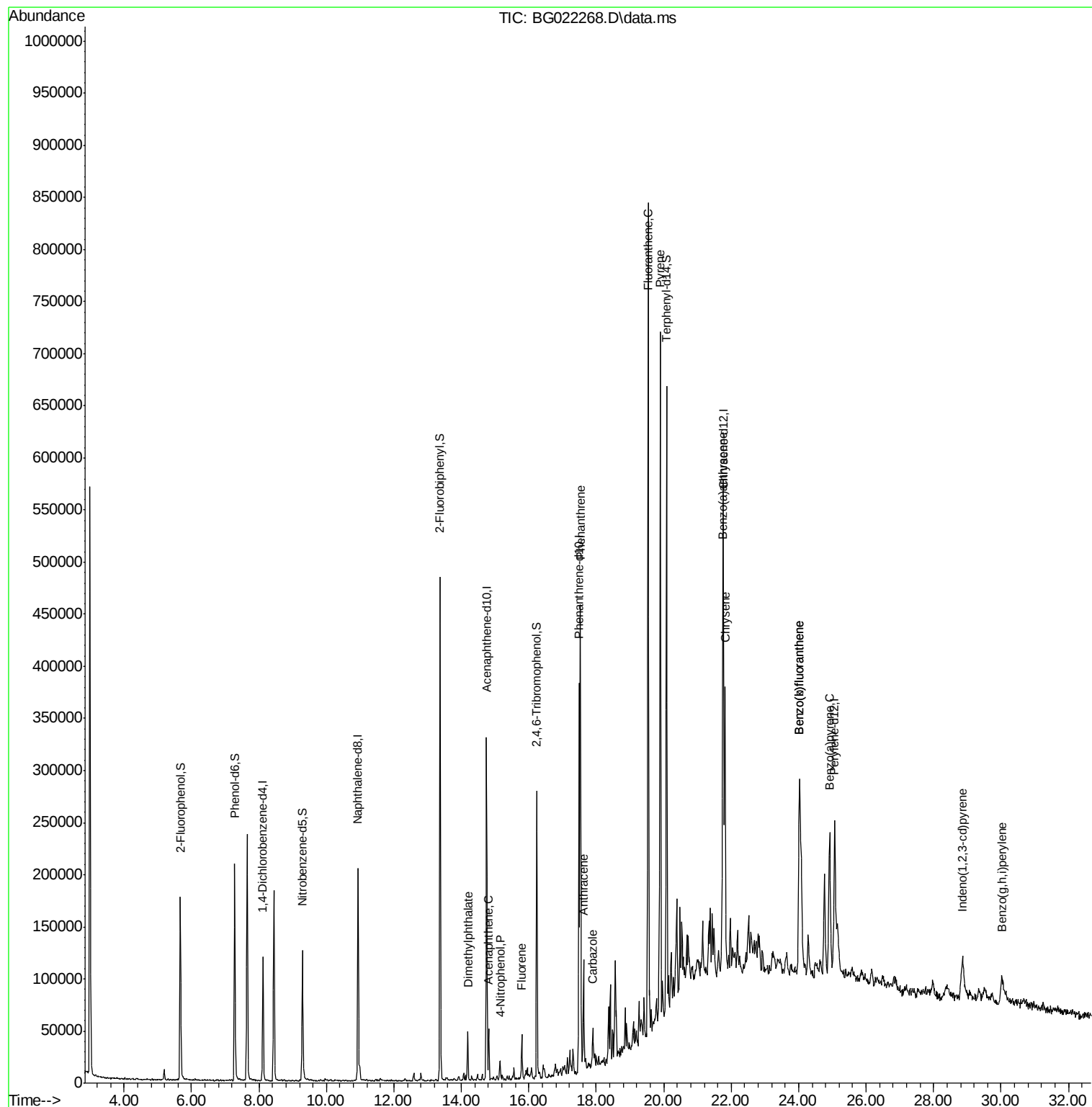
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.120	152	43743	20.00	ng	0.00
21) Naphthalene-d8	10.934	136	225570	20.00	ng	0.00
38) Acenaphthene-d10	14.748	164	125783	20.00	ng	0.00
63) Phenanthrene-d10	17.491	188	239814	20.00	ng	0.00
75) Chrysene-d12	21.769	240	195552	20.00	ng	0.00
86) Perylene-d12	25.065	264	189665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.670	112	121544	53.72	ng	0.00
7) Phenol-d6	7.280	99	187563	52.73	ng	0.00
23) Nitrobenzene-d5	9.289	82	103050	31.85	ng	0.00
41) 2,4,6-Tribromophenol	16.234	330	58057	40.85	ng	0.00
44) 2-Fluorobiphenyl	13.367	172	294055	35.63	ng	0.00
78) Terphenyl-d14	20.083	244	282879	34.34	ng	0.00
Target Compounds						
						Qvalue
49) Dimethylphthalate	14.189	163	38736	3.71	ng	99
51) Acenaphthene	14.812	154	20849	2.73	ng	96
55) 4-Nitrophenol	15.147	139	5010	2.89	ng	# 5
57) Fluorene	15.788	166	23346	2.28	ng	98
70) Phenanthrene	17.533	178	306862	23.56	ng	98
71) Anthracene	17.627	178	85677	6.63	ng	99
72) Carbazole	17.897	167	29654	2.42	ng	94
74) Fluoranthene	19.536	202	495390	33.08	ng	97
77) Pyrene	19.900	202	437798	36.01	ng	99
80) Benzo(a)anthracene	21.745	228	229866	20.96	ng	98
82) Chrysene	21.816	228	192146	18.01	ng	96
85) Indeno(1,2,3-cd)pyrene	28.855	276	81515	6.81	ng	# 90
87) Benzo(b)fluoranthene	24.025	252	258383	23.36	ng	# 96
88) Benzo(k)fluoranthene	24.025	252	258383	23.73	ng	# 95
89) Benzo(a)pyrene	24.912	252	167988	15.88	ng	# 94
91) Benzo(a,h,i)perylene	30.041	276	64535	6.23	ng	# 85

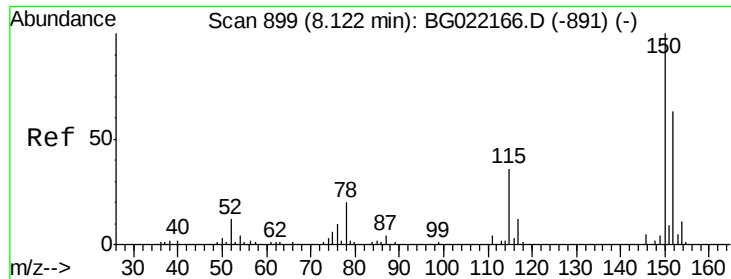
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.120 min Scan# 89

Delta R.T. -0.002 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

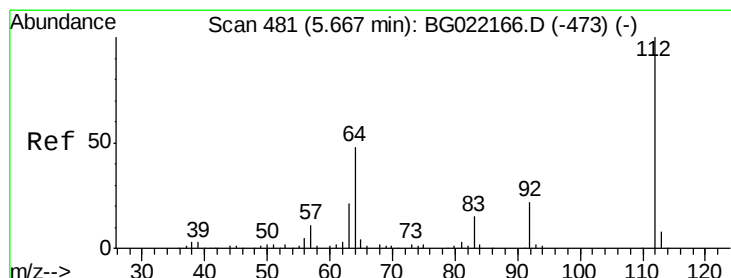
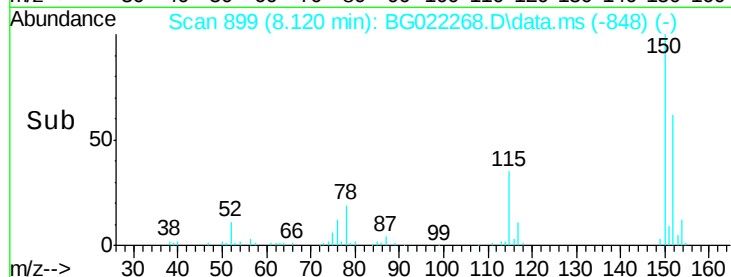
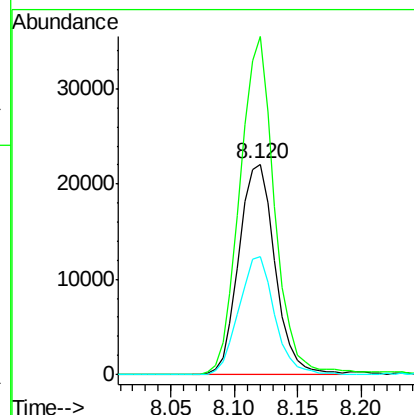
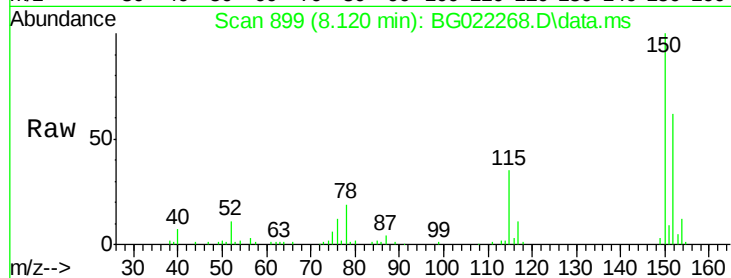
Tot Ion:152 Resp: 43743

Ion Ratio Lower Upper

152 100

150 160.8 130.1 195.1

115 56.2 62.2 93.2#



#5

2-Fluorophenol

Concen: 53.72 ng

RT: 5.670 min Scan# 482

Delta R.T. 0.004 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

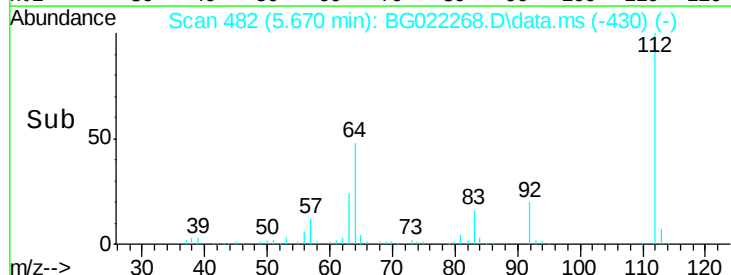
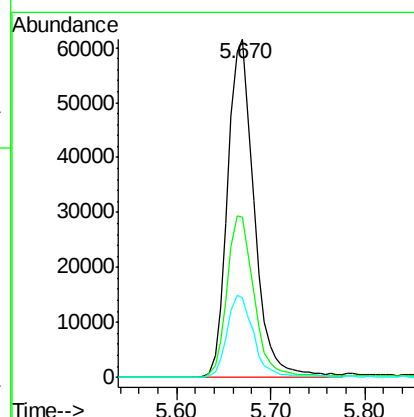
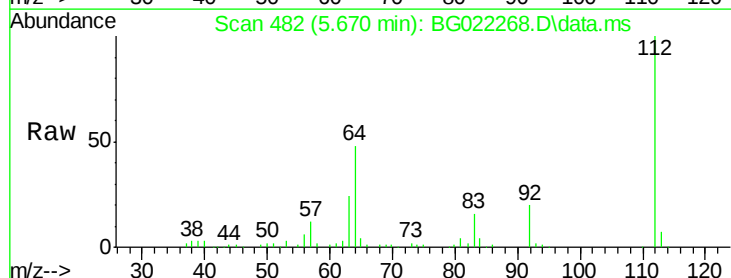
Tgt Ion:112 Resp: 121544

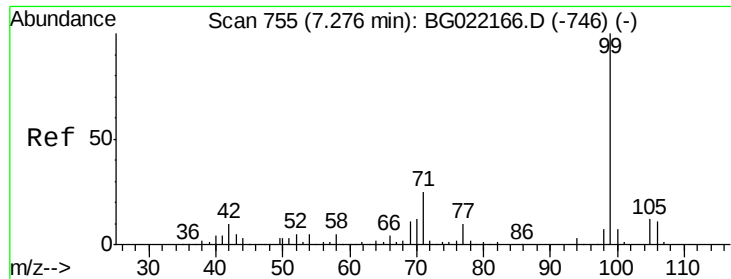
Ion Ratio Lower Upper

112 100

64 47.5 51.1 76.7#

63 23.5 24.6 37.0#





#7

Phenol-d6

Concen: 52.73 ng

RT: 7.280 min Scan# 75

Delta R.T. 0.004 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

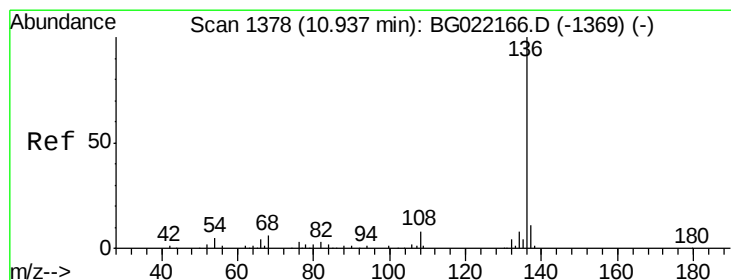
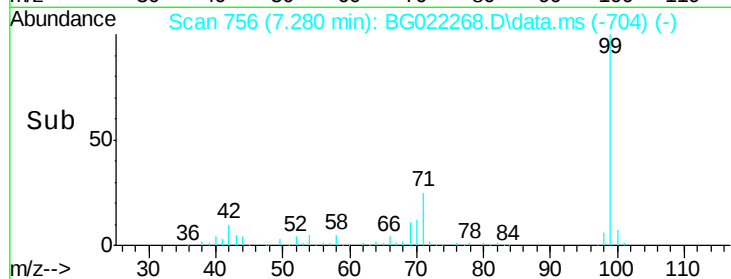
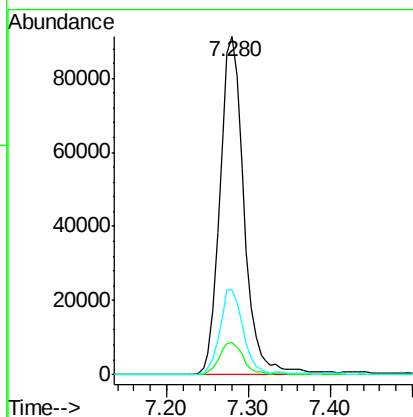
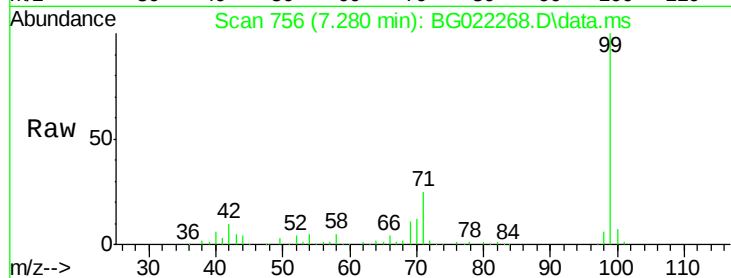
Tot Ion: 99 Resp: 187563

Ion Ratio Lower Upper

99 100

42 9.6 16.4 24.6#

71 25.2 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.934 min Scan# 1378

Delta R.T. -0.002 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Tgt Ion: 136 Resp: 225570

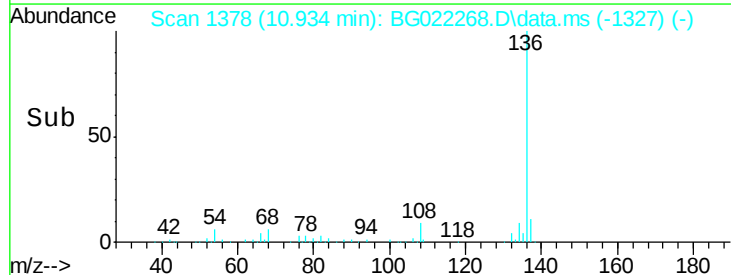
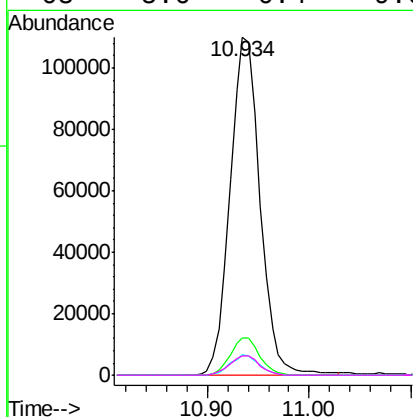
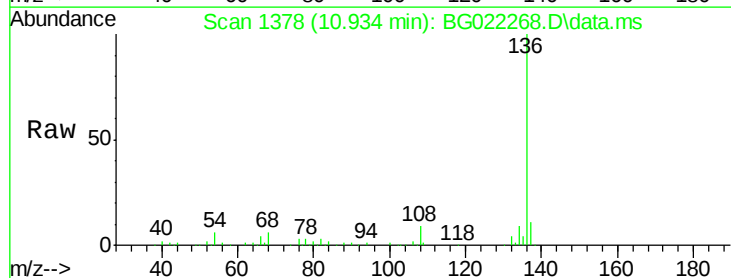
Ion Ratio Lower Upper

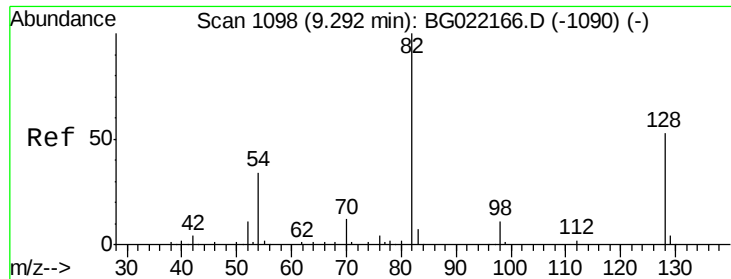
136 100

137 10.9 9.0 13.4

54 6.0 9.6 14.4#

68 5.6 6.4 9.6#

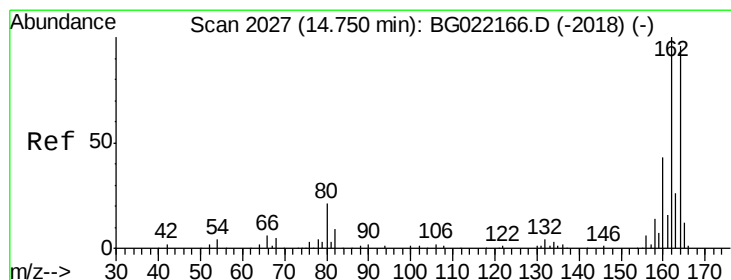
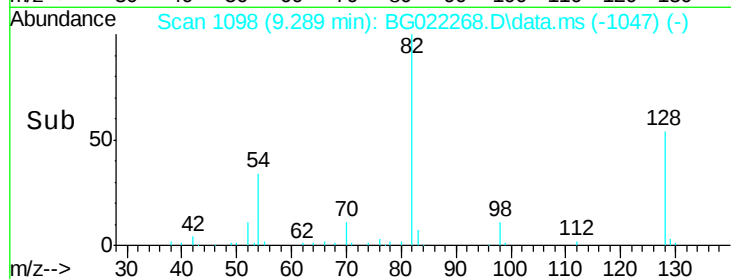
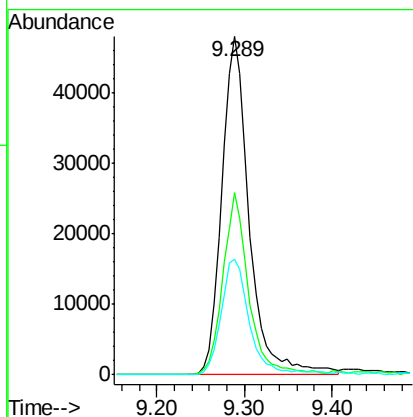
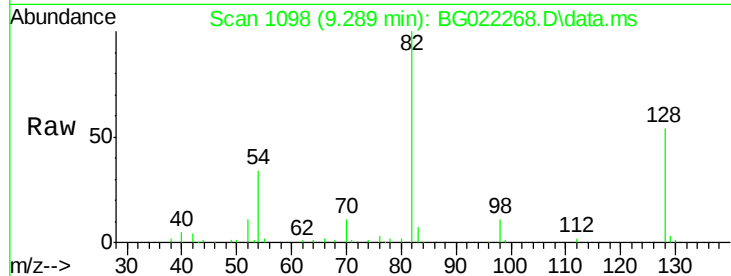




#23
 Nitrobenzene-d5
 Concen: 31.85 ng
 RT: 9.289 min Scan# 1098
 Delta R.T. -0.002 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

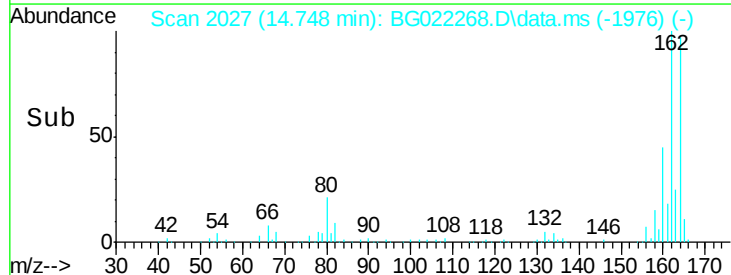
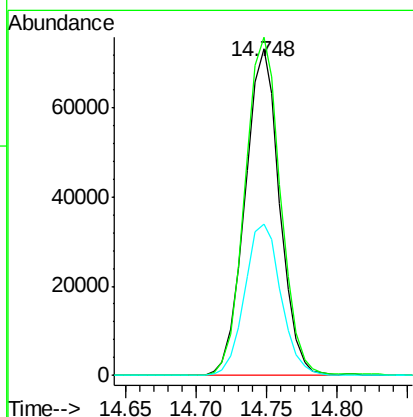
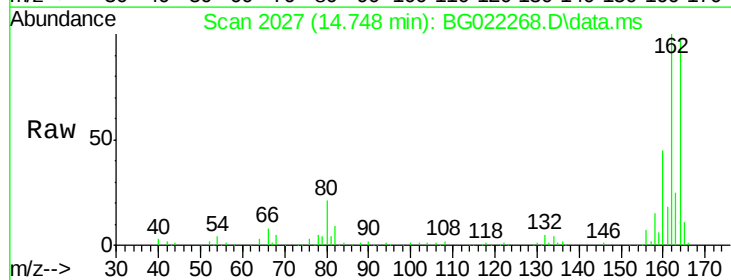
Instrument :
 BNA_G
 ClientSampleId :
 SS-48

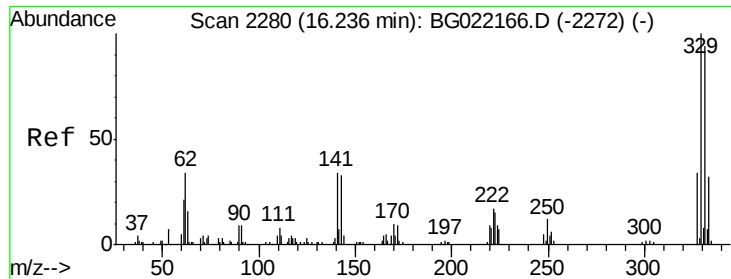
Tot Ion	Ratio	Lower	Upper
82	100		
128	53.8	33.4	50.0
54	34.0	46.1	69.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.748 min Scan# 2027
 Delta R.T. -0.002 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.0	117.0
160	46.2	32.9	49.3

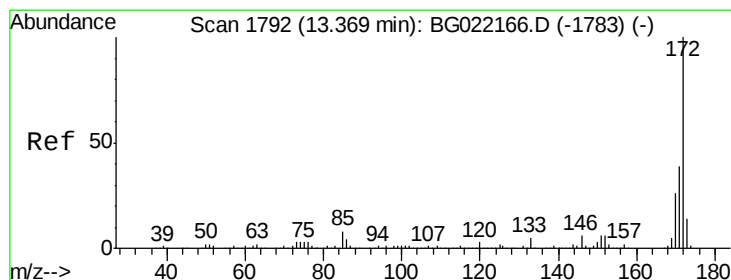
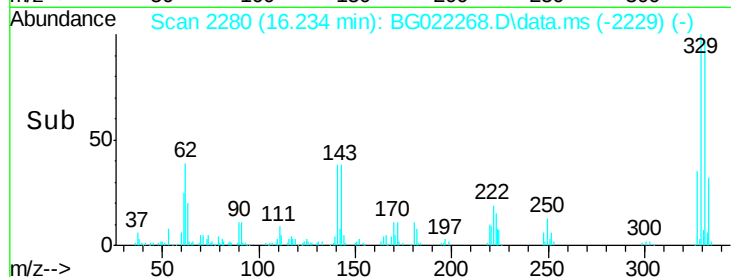
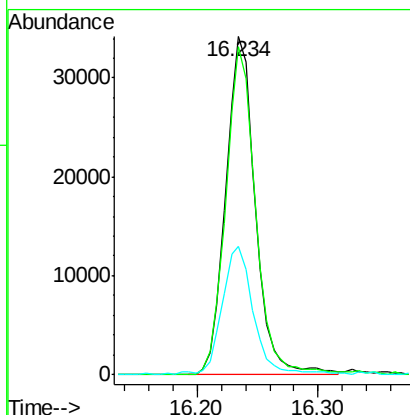
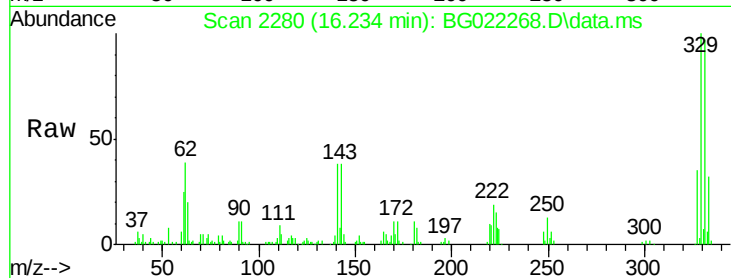




#41
 2,4,6-Tribromophenol
 Concen: 40.85 ng
 RT: 16.234 min Scan# 2280
 Delta R.T. -0.002 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

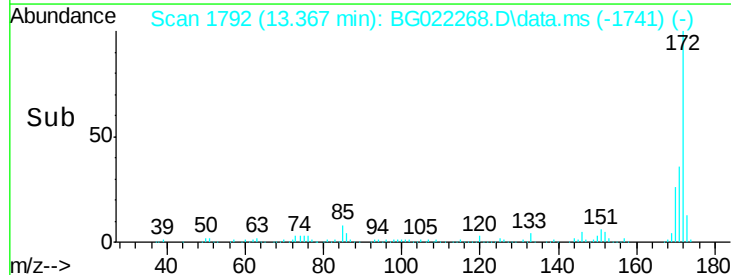
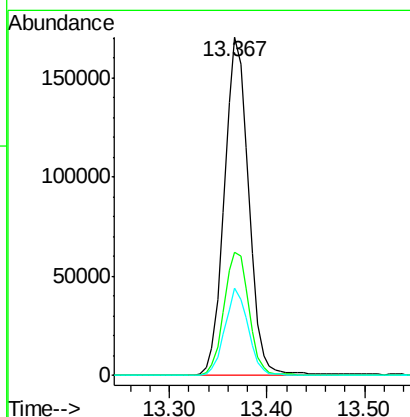
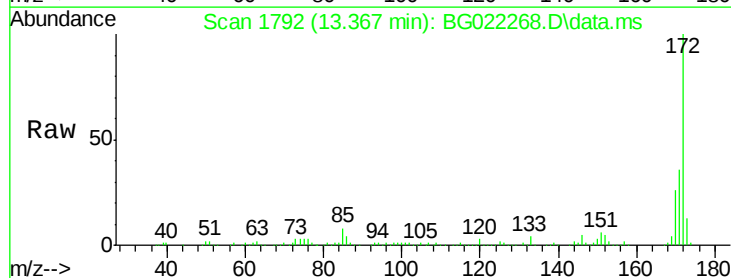
Instrument :
 BNA_G
 ClientSampleId :
 SS-48

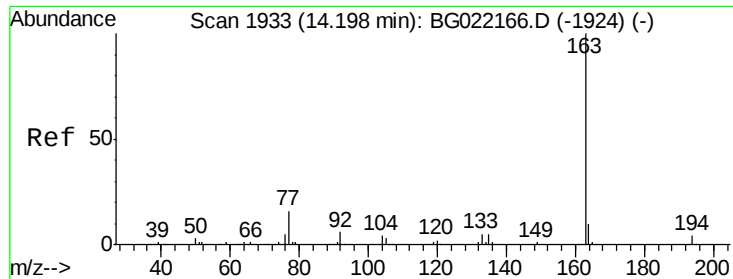
Tot Ion:330 Resp: 58057
 Ion Ratio Lower Upper
 330 100
 332 97.8 78.0 117.0
 141 40.2 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 35.63 ng
 RT: 13.367 min Scan# 1792
 Delta R.T. -0.002 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Tgt Ion:172 Resp: 294055
 Ion Ratio Lower Upper
 172 100
 171 36.4 27.8 41.6
 170 25.6 19.6 29.4





#49

Dimethylphthalate

Concen: 3.71 ng

RT: 14.189 min Scan# 19

Delta R.T. -0.008 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

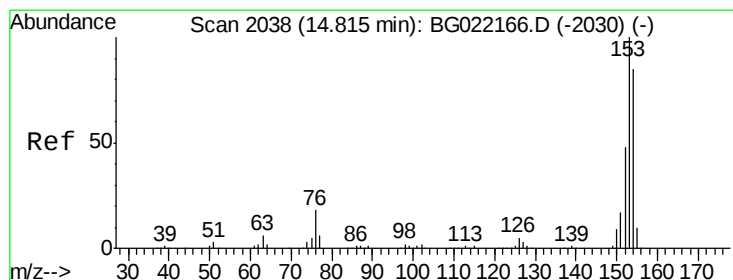
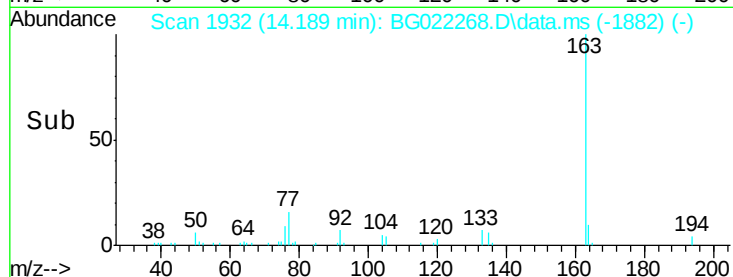
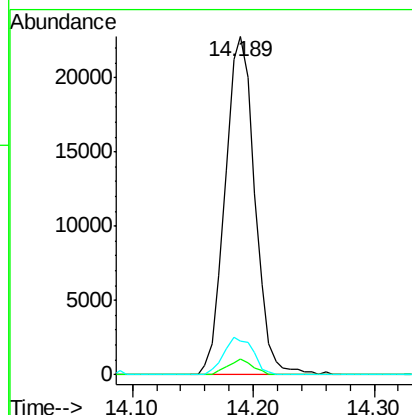
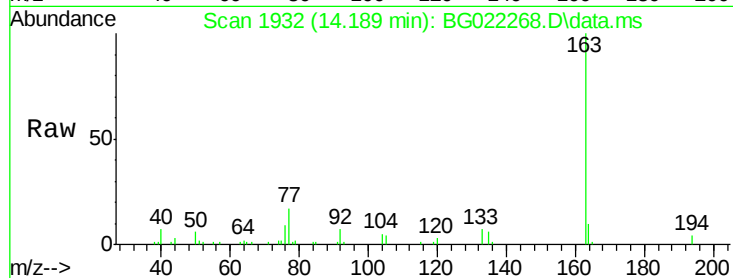
Tot Ion:163 Resp: 38736

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.6

164 9.8 8.1 12.1



#51

Acenaphthene

Concen: 2.73 ng

RT: 14.812 min Scan# 2038

Delta R.T. -0.002 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

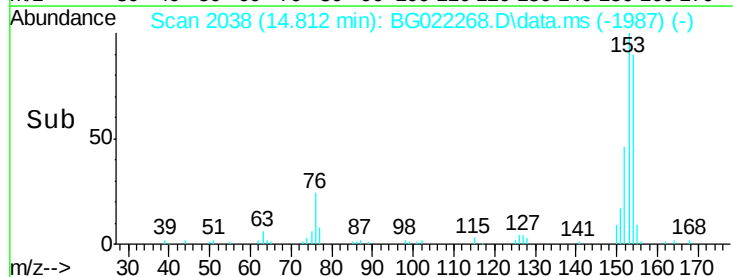
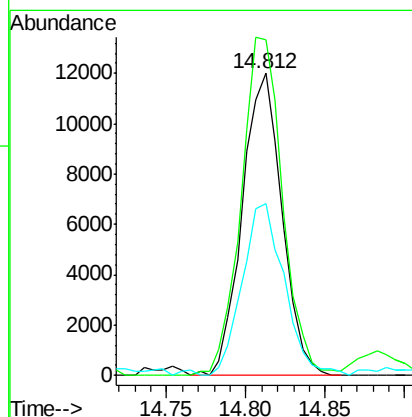
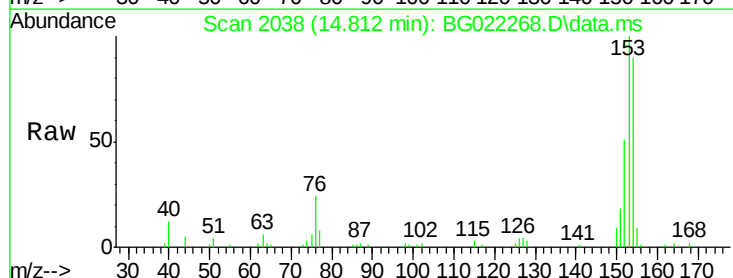
Tgt Ion:154 Resp: 20849

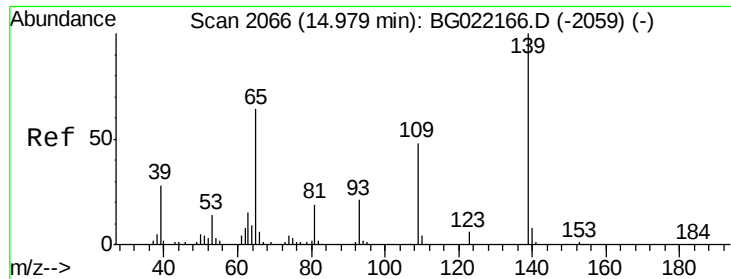
Ion Ratio Lower Upper

154 100

153 111.1 91.9 137.9

152 57.0 42.0 63.0





#55

4-Nitrophenol

Concen: 2.89 ng

RT: 15.147 min Scan# 20

Delta R.T. 0.168 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

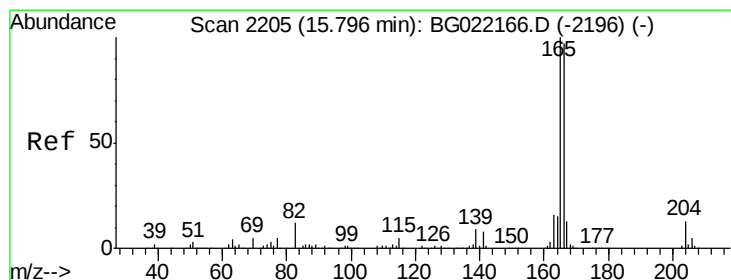
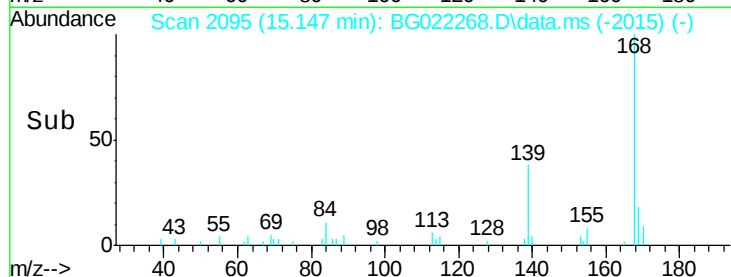
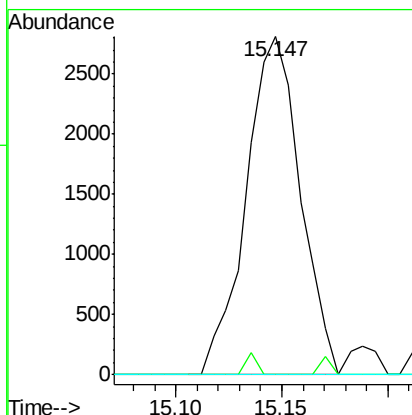
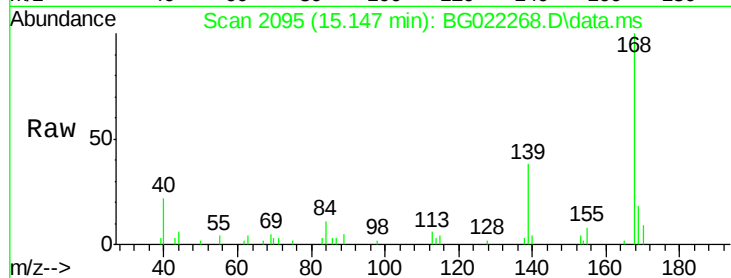
Tot Ion:139 Resp: 5010

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

65 0.0 83.2 123.2#



#57

Fluorene

Concen: 2.28 ng

RT: 15.788 min Scan# 2204

Delta R.T. -0.008 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

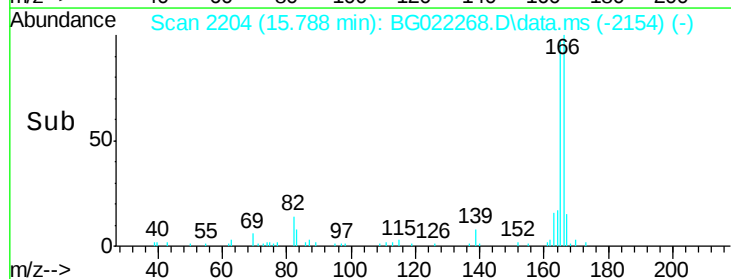
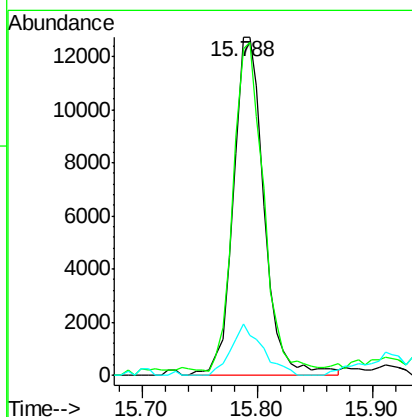
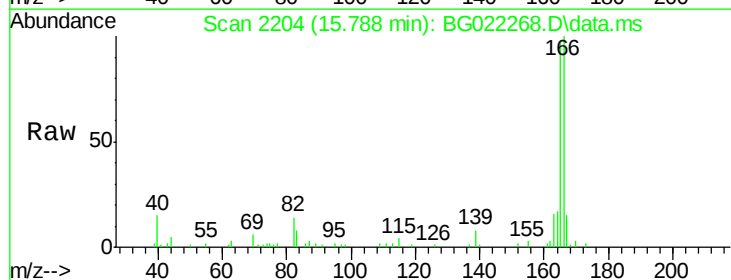
Tgt Ion:166 Resp: 23346

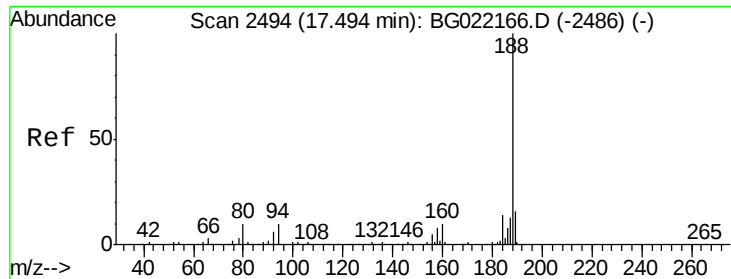
Ion Ratio Lower Upper

166 100

165 96.7 79.0 118.4

167 15.1 10.7 16.1

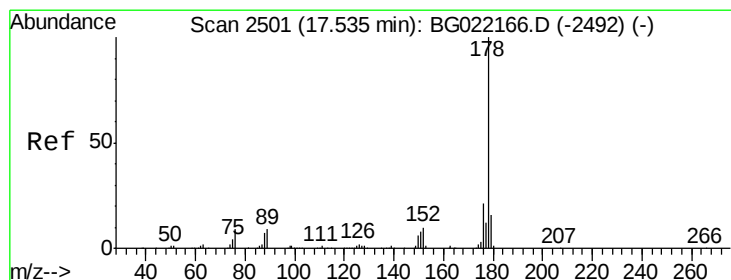
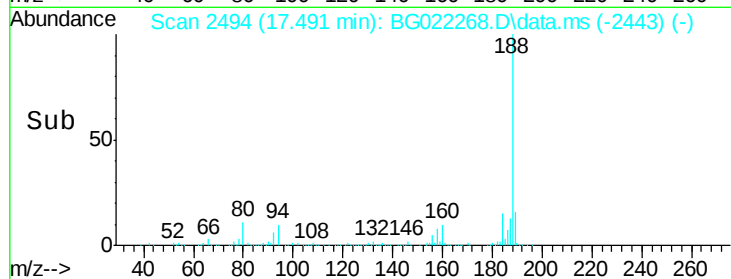
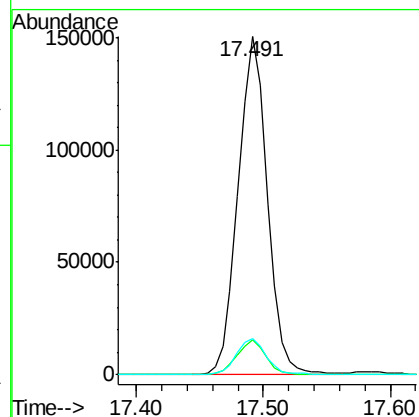
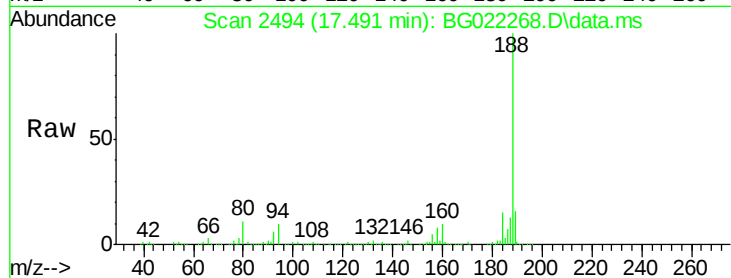




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.491 min Scan# 2494
Delta R.T. -0.002 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

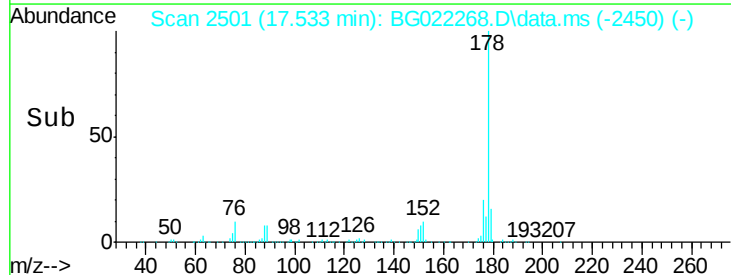
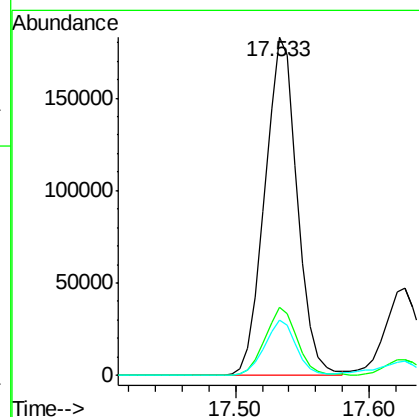
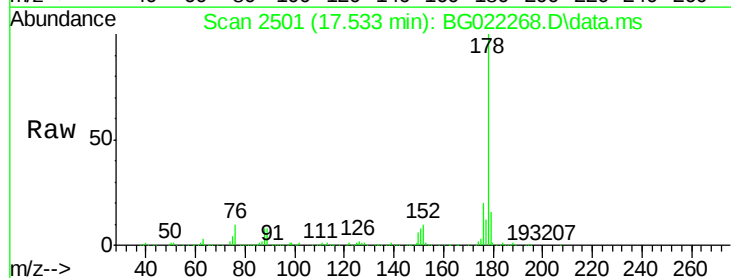
Instrument :
BNA_G
ClientSampleId :
SS-48

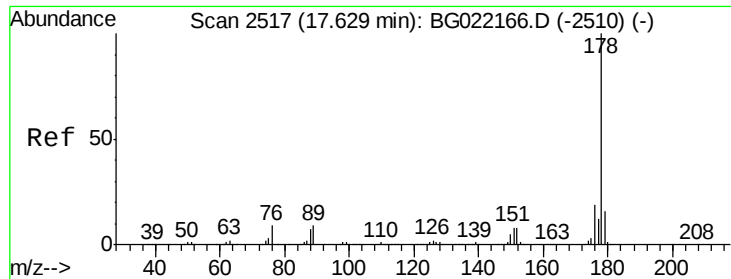
Tot Ion	188	Resp	239814
Ion Ratio	100	Lower	Upper
94	10.1	7.5	11.3
80	10.6	8.6	13.0



#70
Phenanthrene
Concen: 23.56 ng
RT: 17.533 min Scan# 2501
Delta R.T. -0.002 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Tgt Ion	178	Resp	306862
Ion Ratio	100	Lower	Upper
176	20.1	16.2	24.4
179	16.2	12.0	18.0

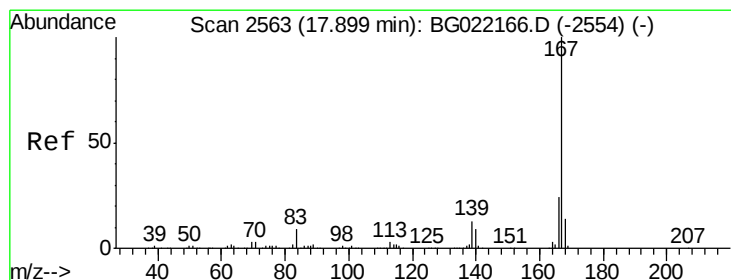
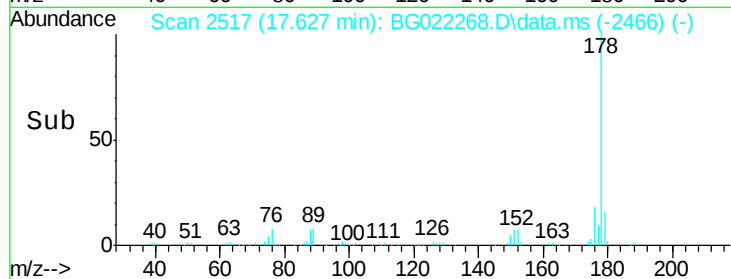
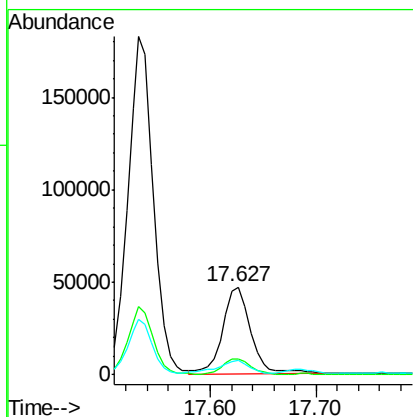
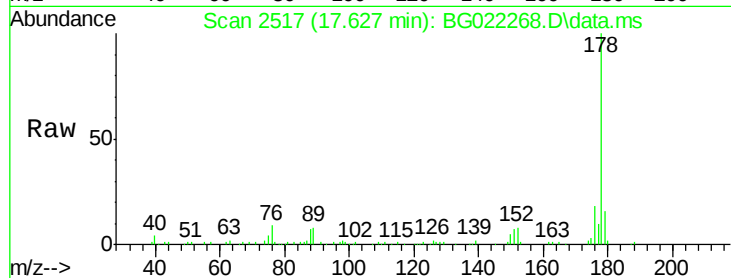




#71
 Anthracene
 Concen: 6.63 ng
 RT: 17.627 min Scan# 2517
 Delta R.T. -0.002 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

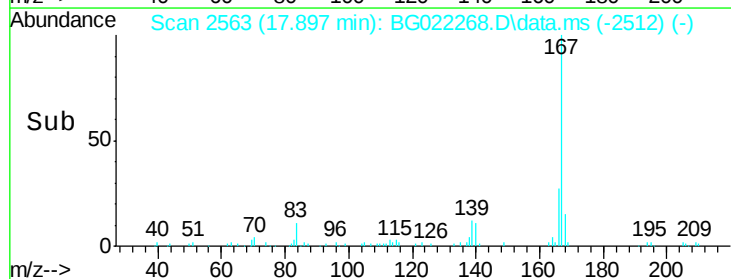
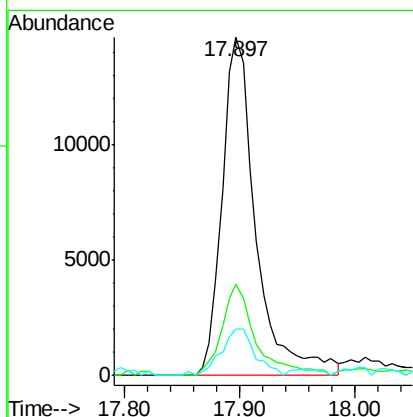
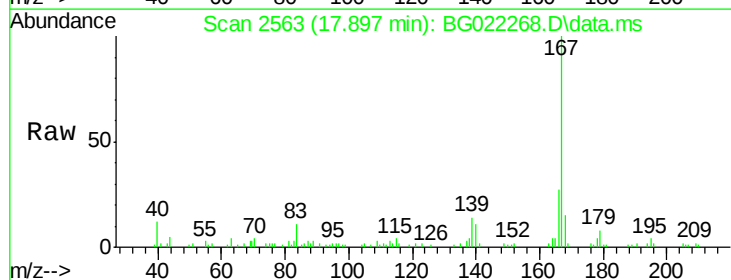
Instrument :
 BNA_G
 ClientSampleId :
 SS-48

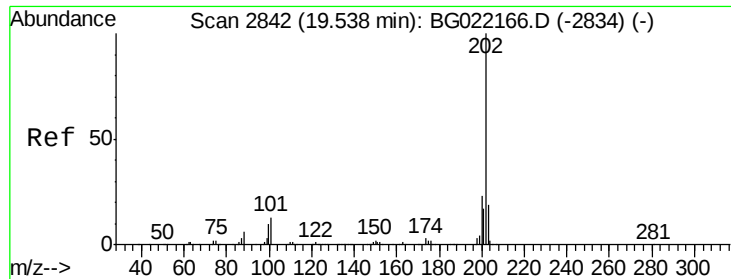
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.6	12.2	18.4



#72
 Carbazole
 Concen: 2.42 ng
 RT: 17.897 min Scan# 2563
 Delta R.T. -0.002 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.0	18.6	27.8
139	13.8	10.6	15.8





#74

Fluoranthene

Concen: 33.08 ng

RT: 19.536 min Scan# 2842

Delta R.T. -0.002 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

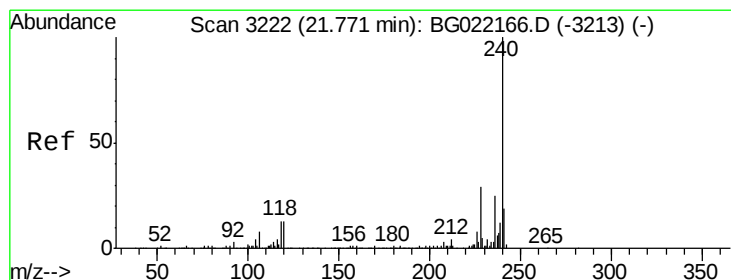
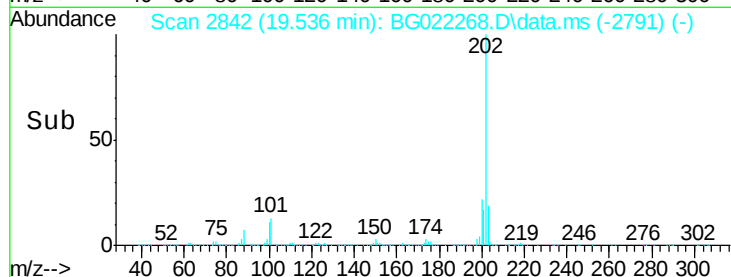
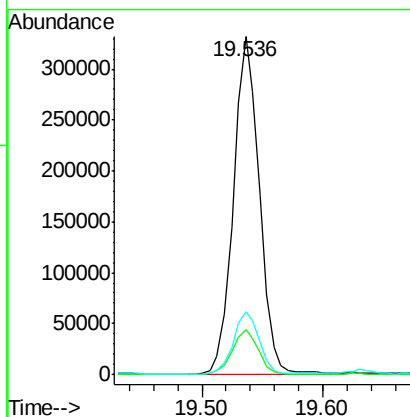
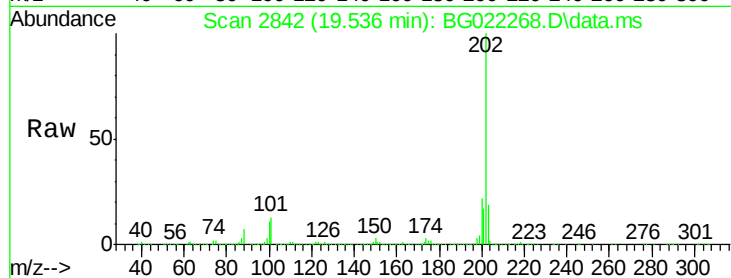
Tot Ion:202 Resp: 495390

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.0

203 18.7 0.0 37.9



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.769 min Scan# 3222

Delta R.T. -0.002 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

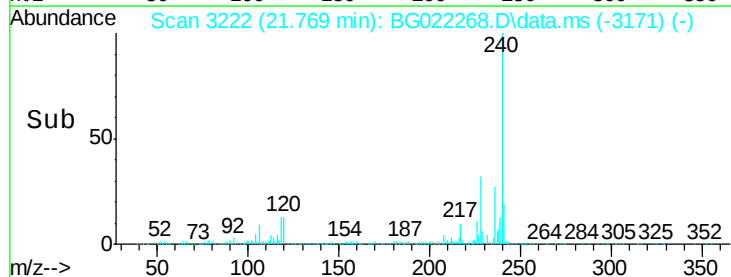
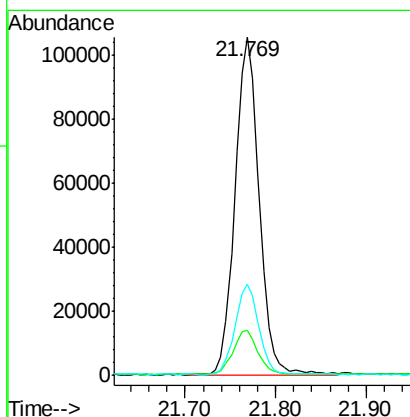
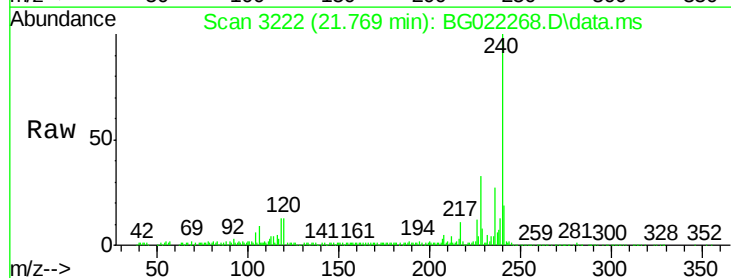
Tgt Ion:240 Resp: 195552

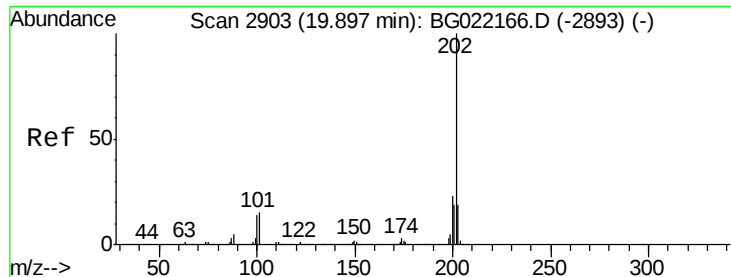
Ion Ratio Lower Upper

240 100

120 13.2 8.4 12.6#

236 27.1 19.6 29.4





#77

Pvrene

Concen: 36.01 ng

RT: 19.900 min Scan# 29

Delta R.T. 0.004 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

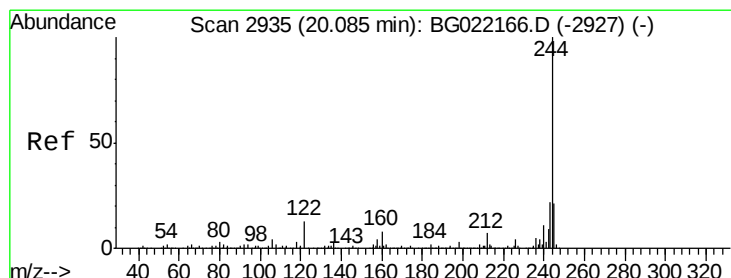
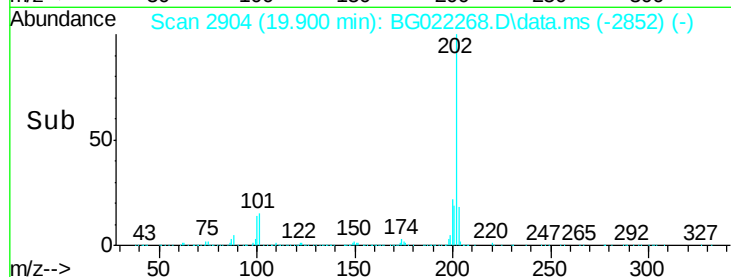
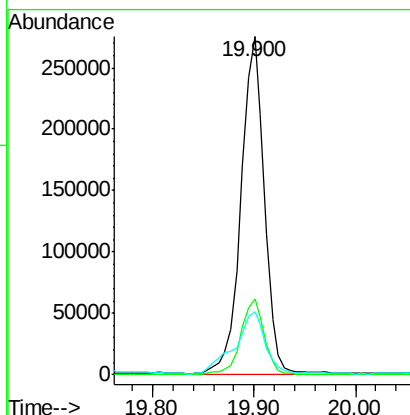
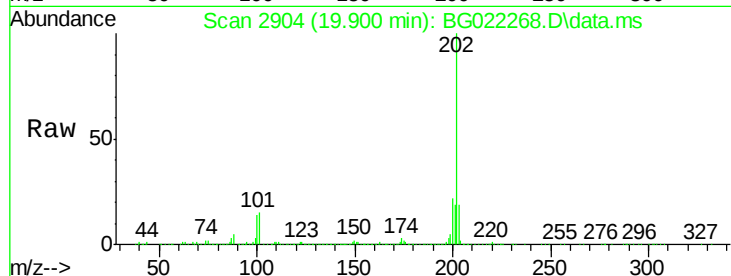
Tot Ion:202 Resp: 437798

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

203 18.5 15.0 22.4



#78

Terphenyl-d14

Concen: 34.34 ng

RT: 20.083 min Scan# 2935

Delta R.T. -0.002 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

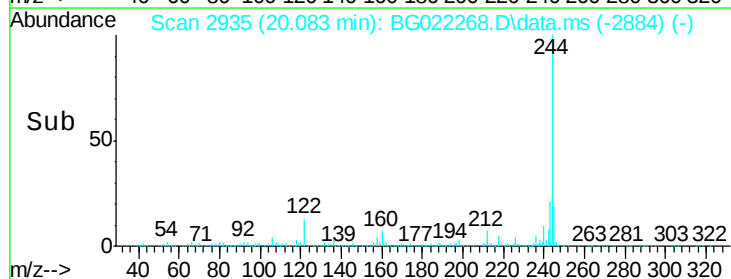
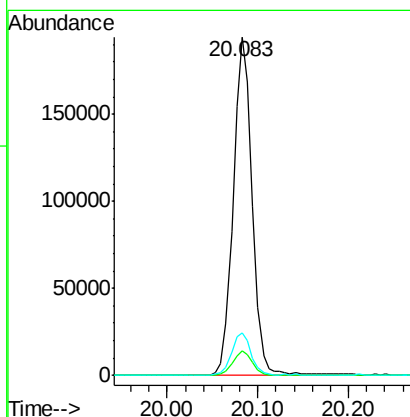
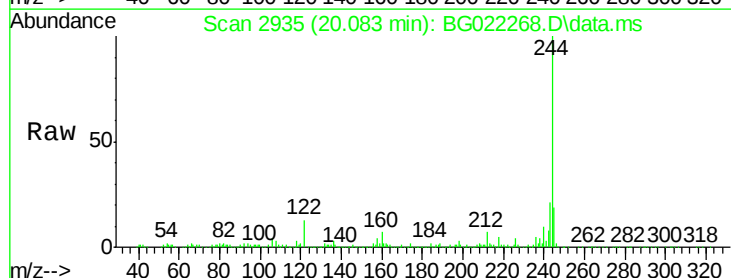
Tgt Ion:244 Resp: 282879

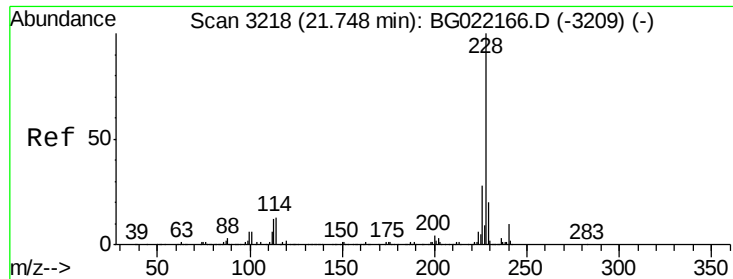
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 12.7 8.6 12.8

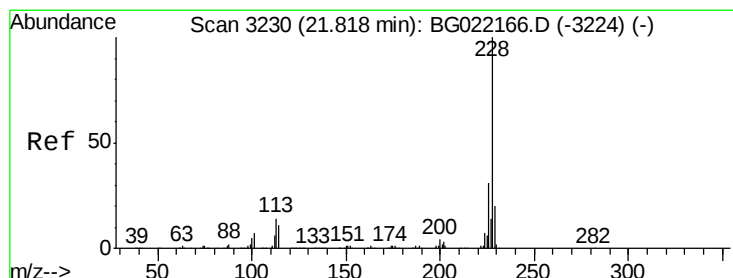
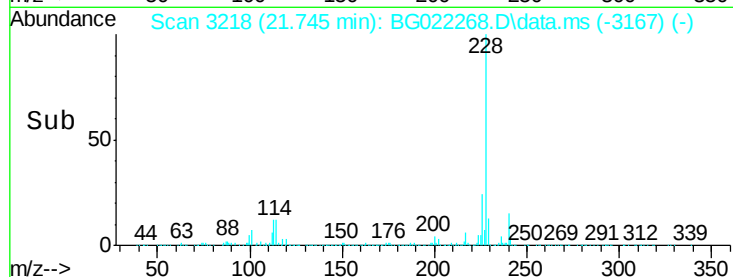
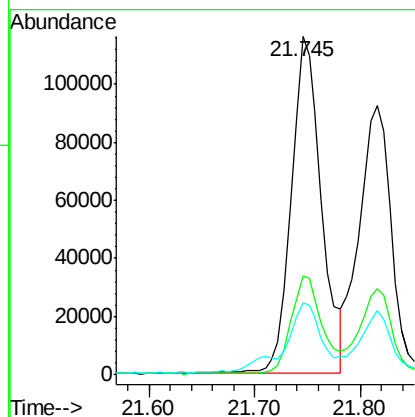
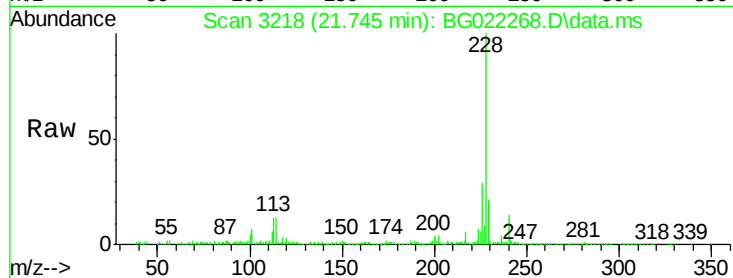




#80
Benzo(a)anthracene
Concen: 20.96 ng
RT: 21.745 min Scan# 3218
Delta R.T. -0.002 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

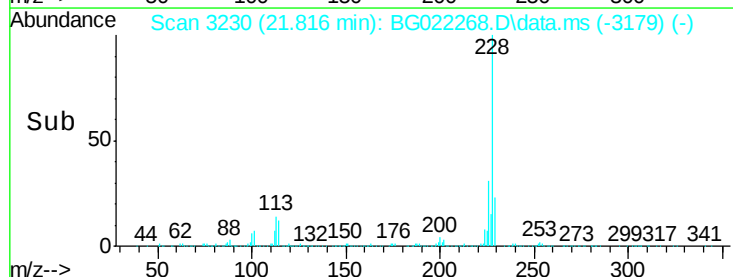
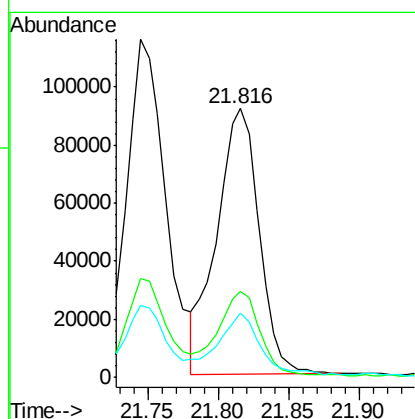
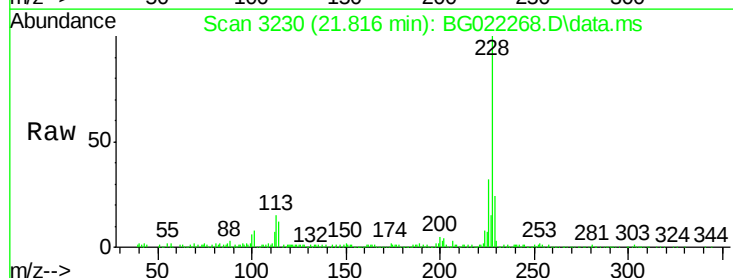
Instrument :
BNA_G
ClientSampleId :
SS-48

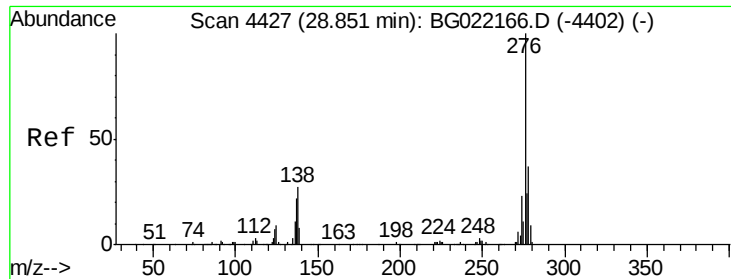
Tot Ion:228 Resp: 229866
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 21.3 16.1 24.1



#82
Chrysene
Concen: 18.01 ng
RT: 21.816 min Scan# 3230
Delta R.T. -0.002 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Tgt Ion:228 Resp: 192146
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.0
229 23.8 15.9 23.9

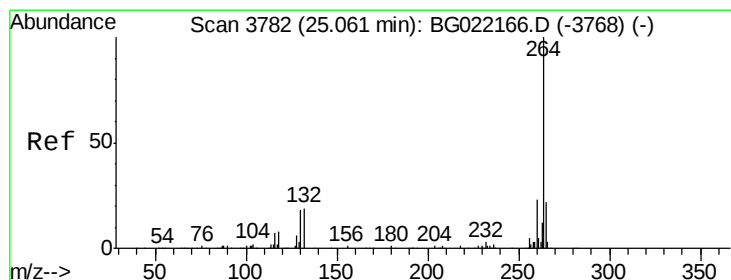
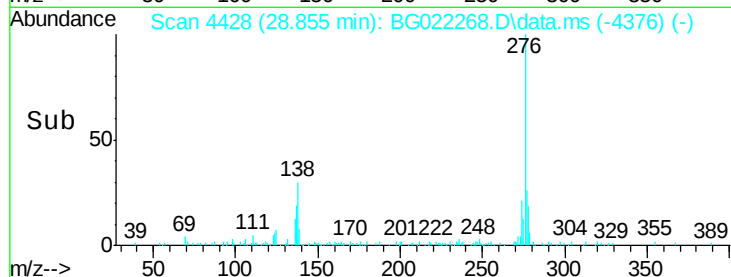
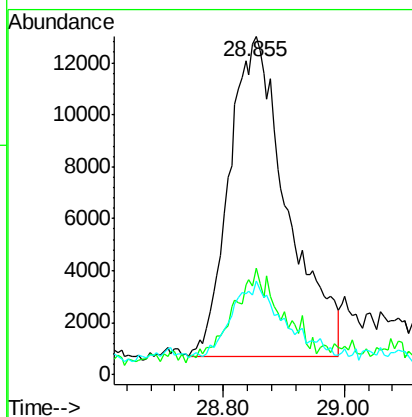
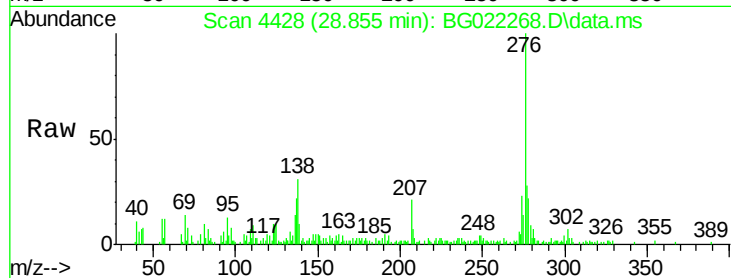




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.81 ng
RT: 28.855 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

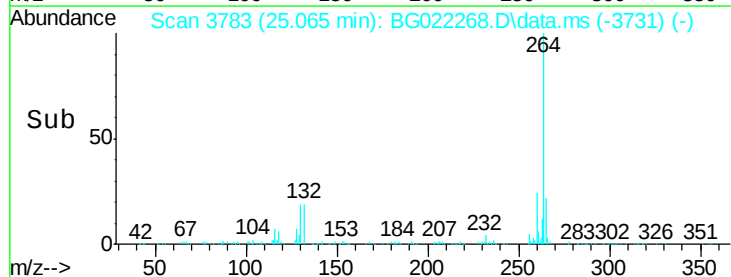
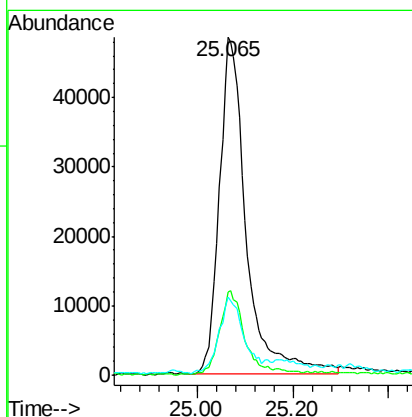
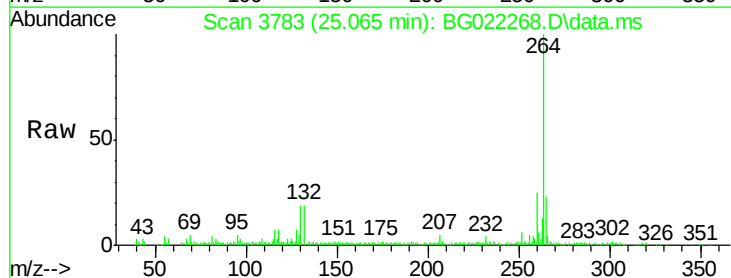
Instrument :
BNA_G
ClientSampleId :
SS-48

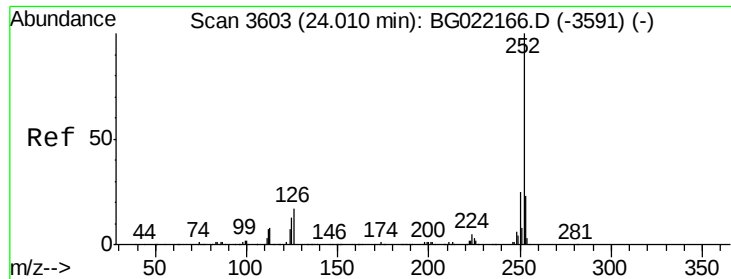
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	14.0	21.0
277	19.1	20.6	30.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.065 min Scan# 3783
Delta R.T. 0.003 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.4
265	23.1	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 23.36 ng

RT: 24.025 min Scan# 3606

Delta R.T. 0.015 min

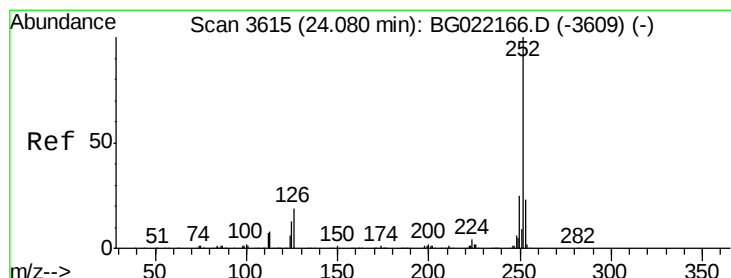
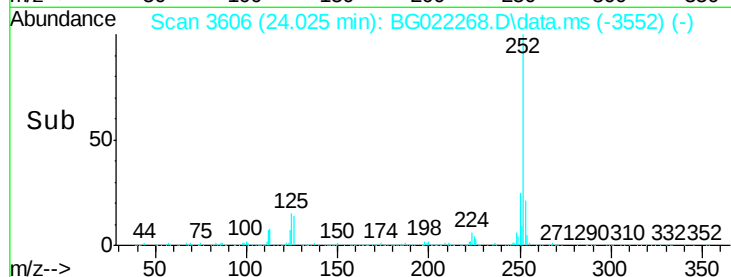
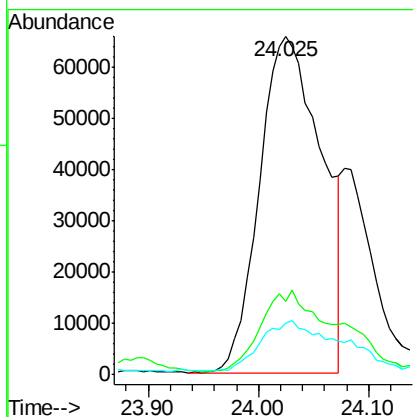
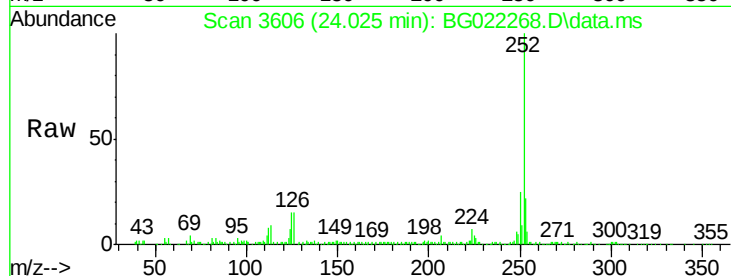
Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :
BNA_G
ClientSampleId :
SS-48

Tot Ion:252 Resp: 258383

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	15.3	8.6	13.0#



#88

Benzo(k)fluoranthene

Concen: 23.73 ng

RT: 24.025 min Scan# 3606

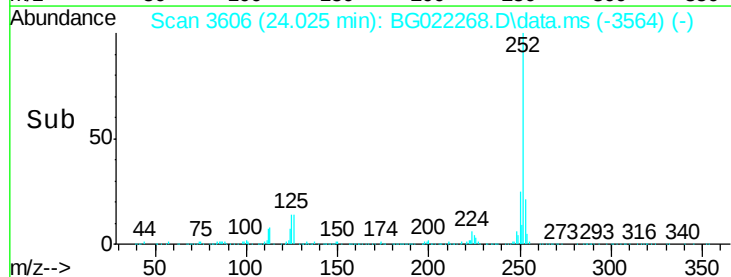
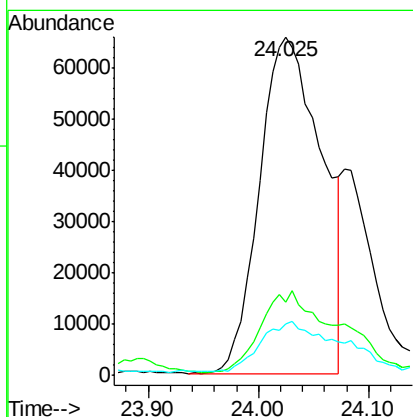
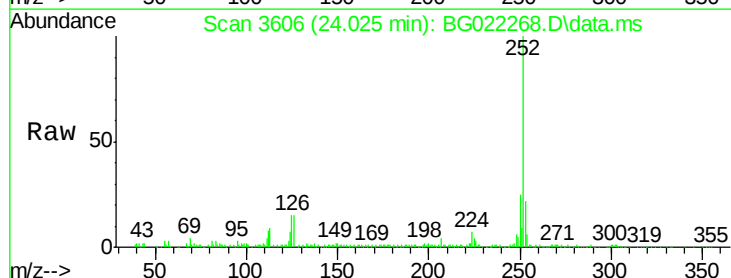
Delta R.T. -0.055 min

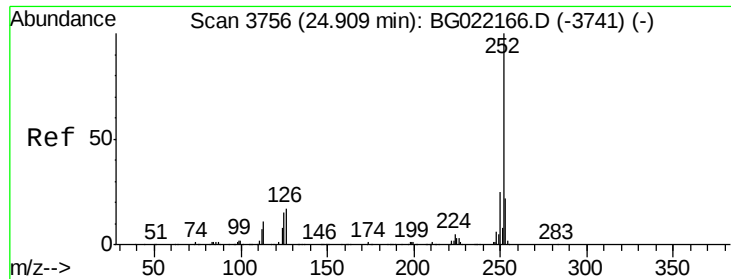
Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Tgt Ion:252 Resp: 258383

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	15.3	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 15.88 ng

RT: 24.912 min Scan# 37

Delta R.T. 0.003 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

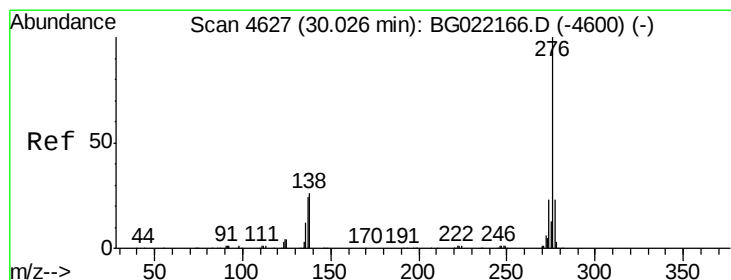
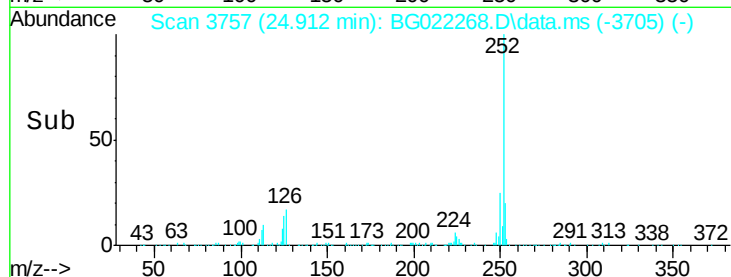
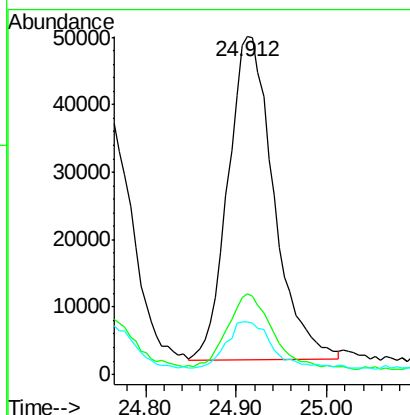
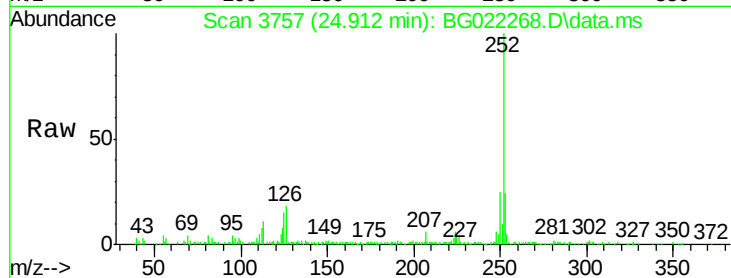
Tot Ion:252 Resp: 167988

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 15.4 9.6 14.4#



#91

Benzo(g,h,i)perylene

Concen: 6.23 ng

RT: 30.041 min Scan# 4630

Delta R.T. 0.015 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Tgt Ion:276 Resp: 64535

Ion Ratio Lower Upper

276 100

277 26.3 19.4 29.2

138 34.5 17.4 26.0#

