

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 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 17:17:37 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

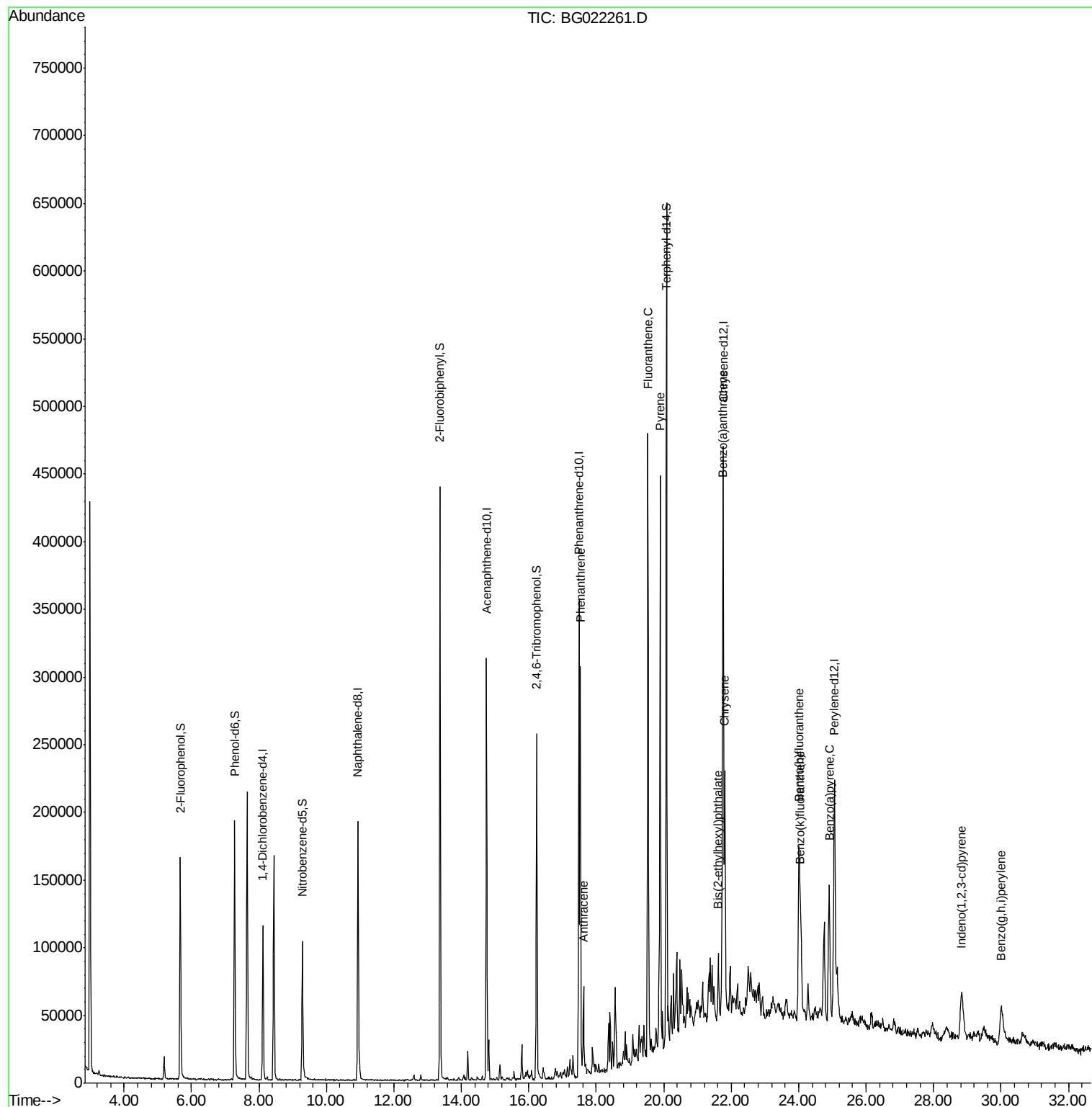
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	41459	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	213272	20.00	ng	0.00
38) Acenaphthene-d10	14.74	164	126260	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	248558	20.00	ng	0.00
75) Chrysene-d12	21.76	240	212662	20.00	ng	0.00
86) Perylene-d12	25.06	264	205729	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	112379	52.41	ng	0.00
7) Phenol-d6	7.27	99	176470	52.34	ng	0.00
23) Nitrobenzene-d5	9.28	82	92530	30.25	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	56761	39.79	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	265959	32.10	ng	0.00
78) Terphenyl-d14	20.08	244	295319	32.97	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.53	178	208363	15.43	ng	97
71) Anthracene	17.62	178	53182	3.97	ng	97
74) Fluoranthene	19.54	202	311587	20.08	ng	98
77) Pyrene	19.89	202	280727	21.23	ng	99
80) Benzo(a)anthracene	21.75	228	145511	12.20	ng	98
82) Chrysene	21.81	228	123352	10.63	ng	97
83) Bis(2-ethylhexyl)phthalate	21.62	149	21817	2.42	ng	94
85) Indeno(1,2,3-cd)pyrene	28.81	276	78080m	6.00	ng	
87) Benzo(b)fluoranthene	24.01	252	159431	13.29	ng	# 95
88) Benzo(k)fluoranthene	24.06	252	60467m	5.12	ng	
89) Benzo(a)pyrene	24.91	252	118416	10.32	ng	98
91) Benzo(a,h,i)perylene	30.01	276	69916m	6.22	ng	

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.01 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

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ClientSampleId :

SS-42

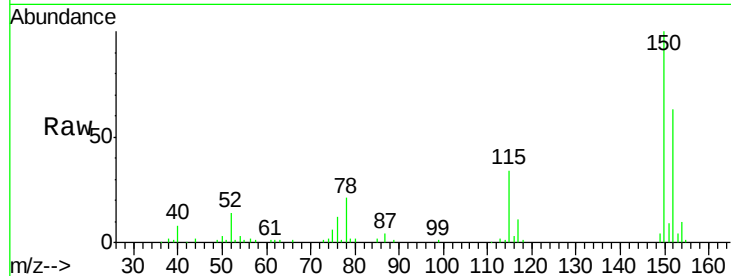
Tot Ion:152 Resp: 41459

Ion Ratio Lower Upper

152 100

150 158.1 130.1 195.1

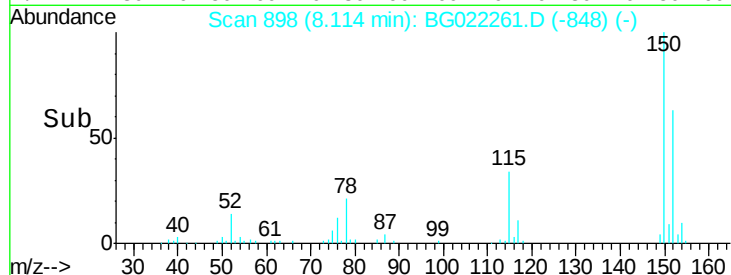
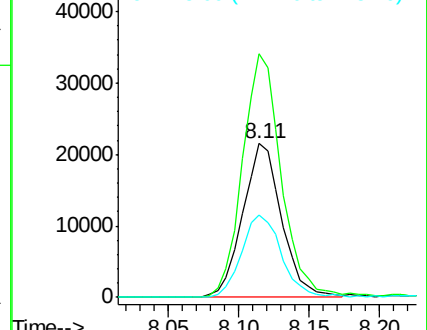
115 53.3 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 52.41 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

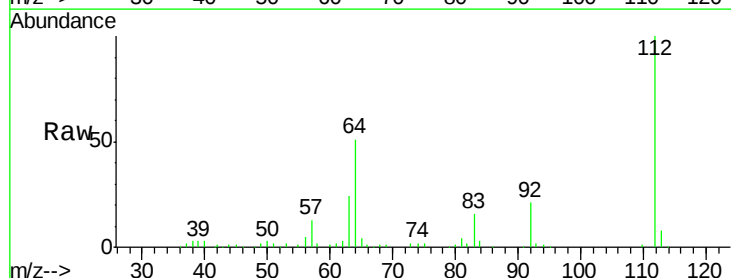
Tgt Ion:112 Resp: 112379

Ion Ratio Lower Upper

112 100

64 51.1 51.1 76.7#

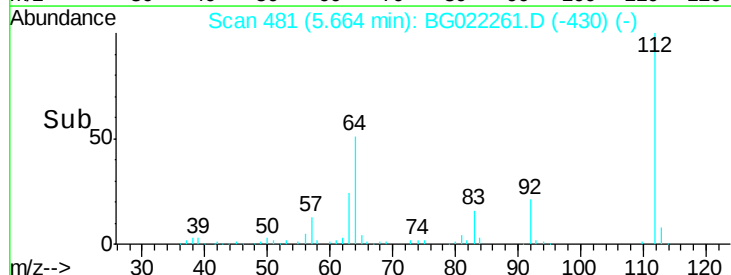
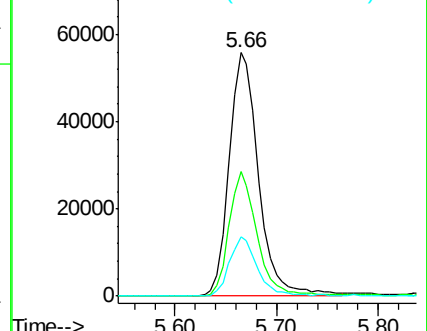
63 24.4 24.6 37.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 52.34 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

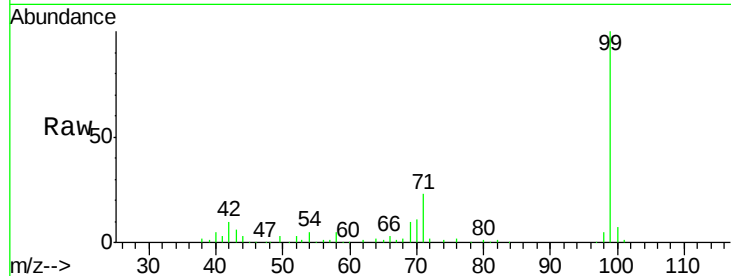
Tot Ion: 99 Resp: 176470

Ion Ratio Lower Upper

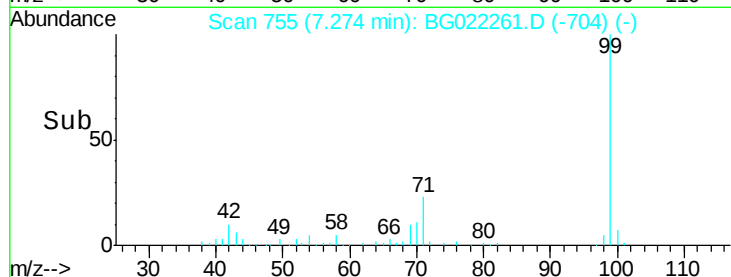
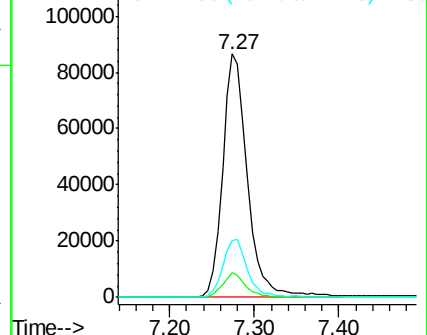
99 100

42 10.3 16.4 24.6#

71 23.4 25.0 37.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Tgt Ion: 136 Resp: 213272

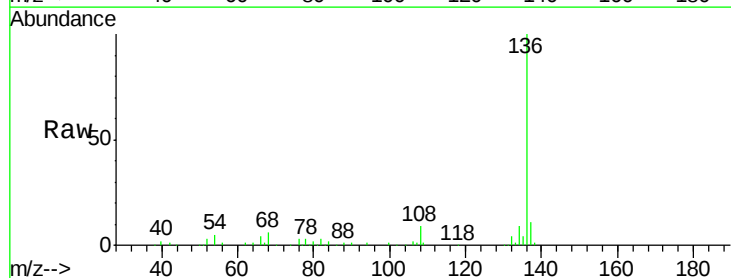
Ion Ratio Lower Upper

136 100

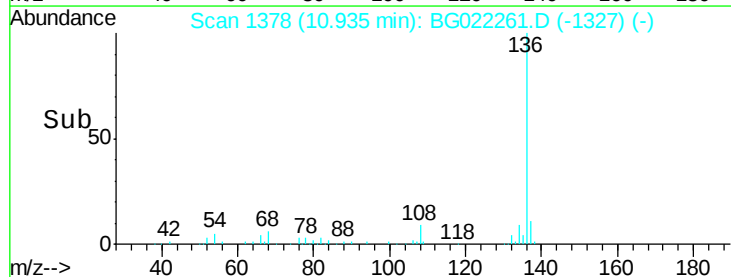
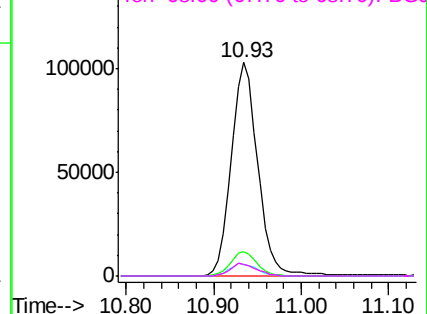
137 11.2 9.0 13.4

54 5.4 9.6 14.4#

68 5.6 6.4 9.6#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

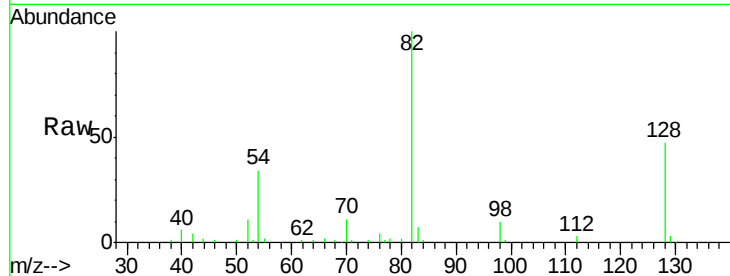




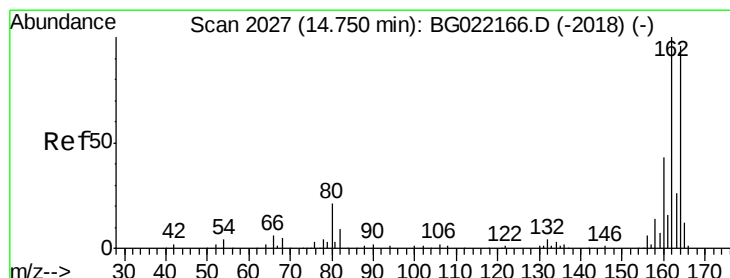
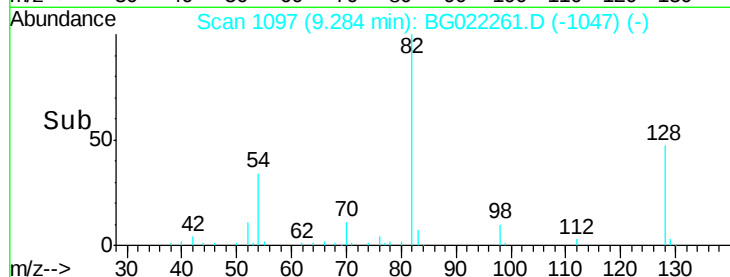
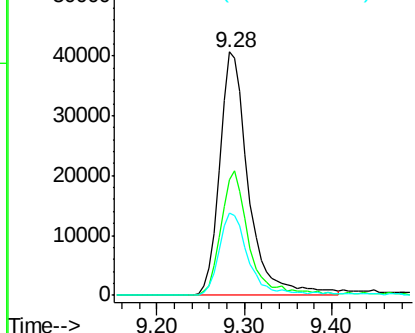
#23
Nitrobenzene-d5
Concen: 30.25 ng
RT: 9.28 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

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#

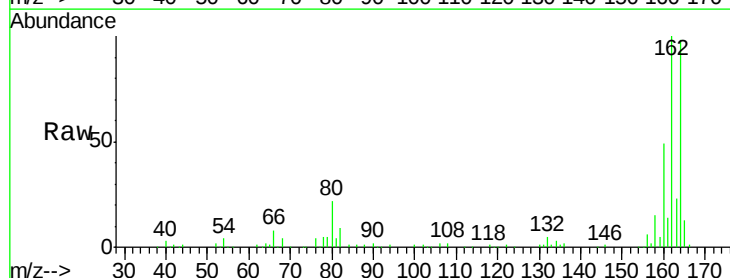


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

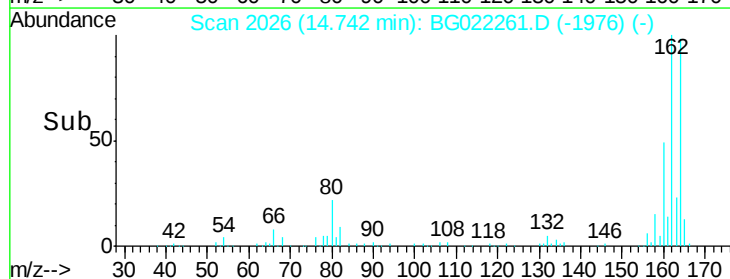
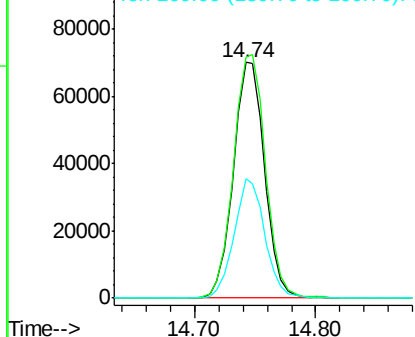


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

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#



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

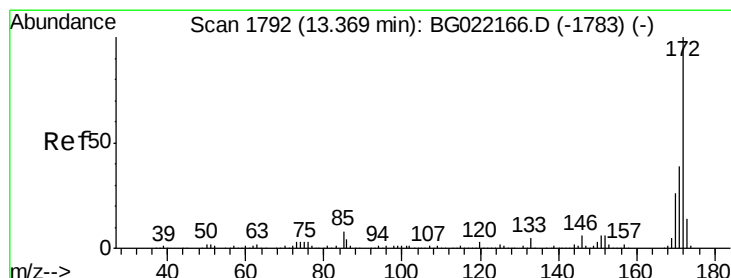
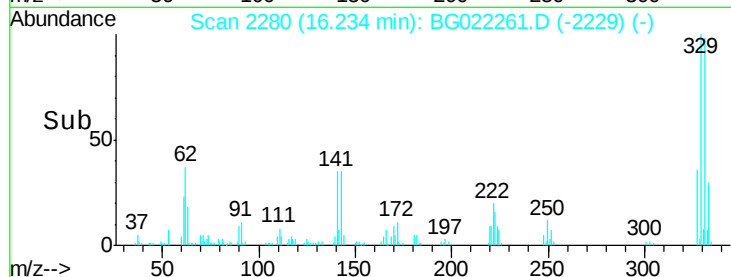
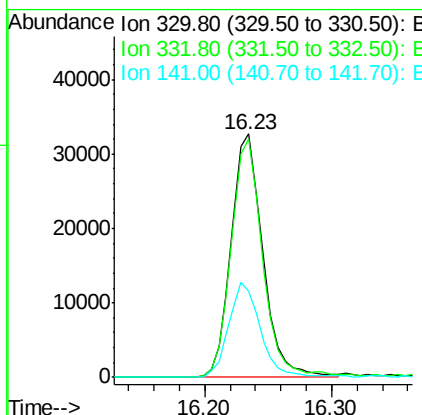
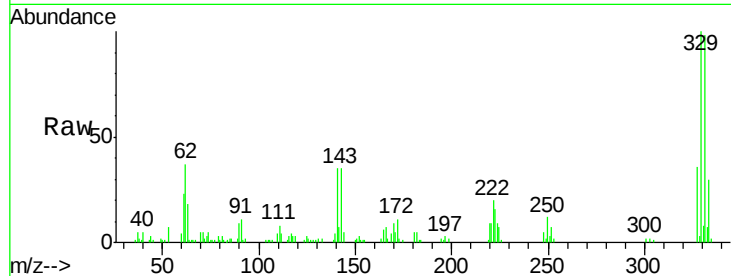




#41
 2,4,6-Tribromophenol
 Concen: 39.79 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG022261.D
 Acq: 9 Jun 2016 9:55

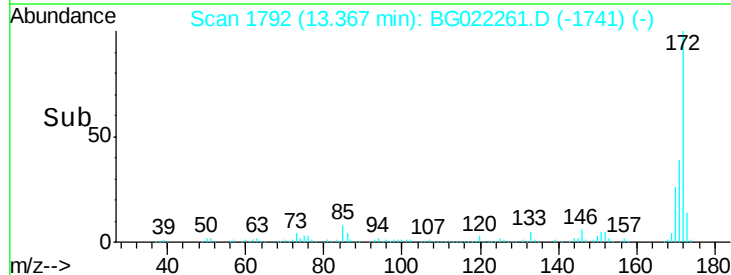
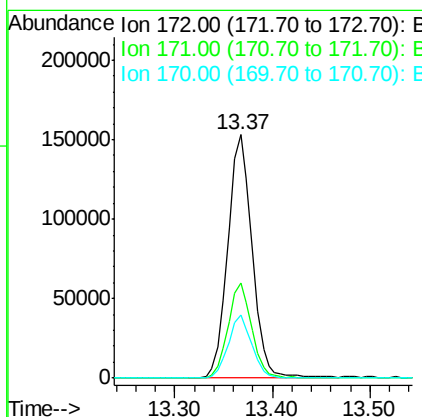
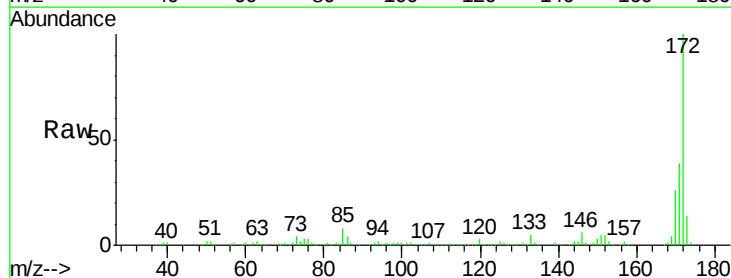
Instrument :
 BNA_G
 ClientSampleId :
 SS-42

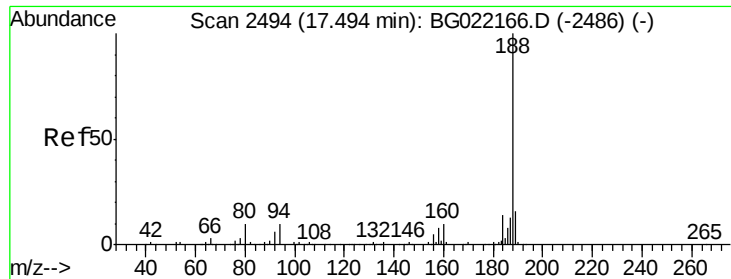
Tot Ion:330 Resp: 56761
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.0 117.0
 141 38.8 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 32.10 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

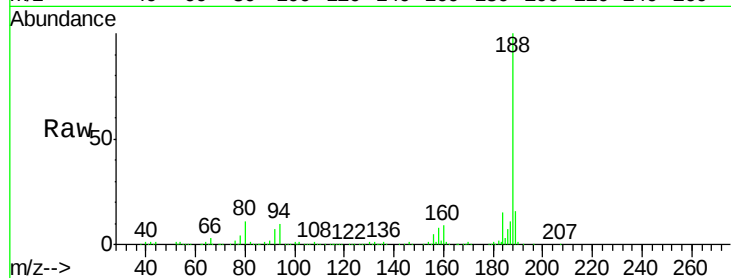
Tot Ion:188 Resp: 248558

Ion Ratio Lower Upper

188 100

94 10.1 7.5 11.3

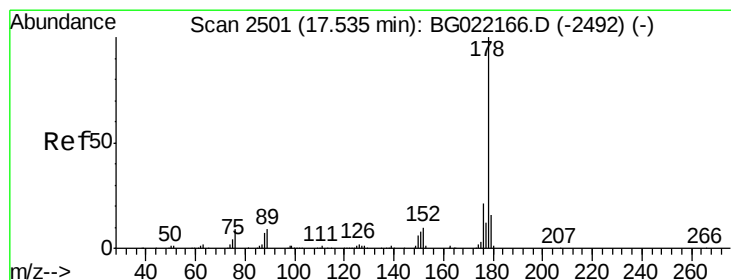
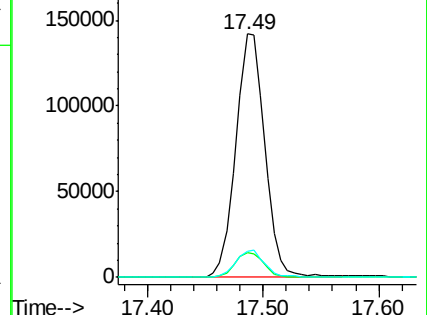
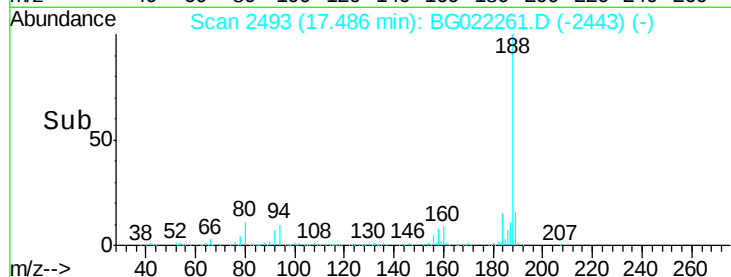
80 10.6 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 15.43 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

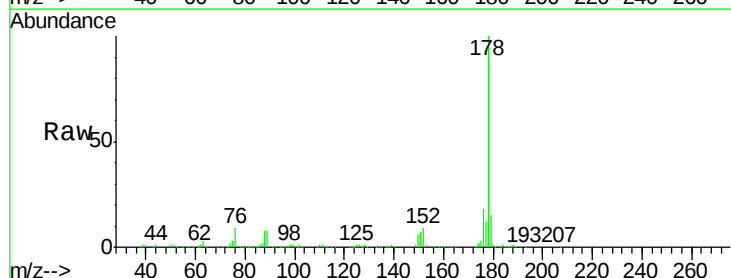
Tgt Ion:178 Resp: 208363

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

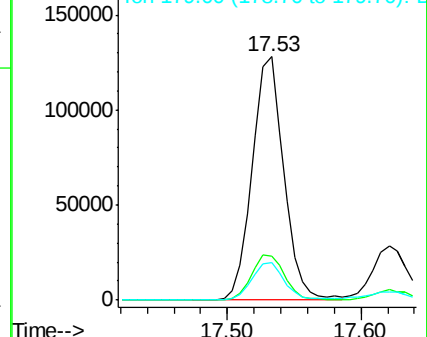
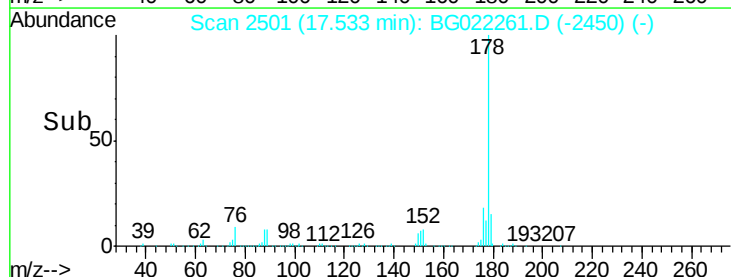
179 15.4 12.0 18.0

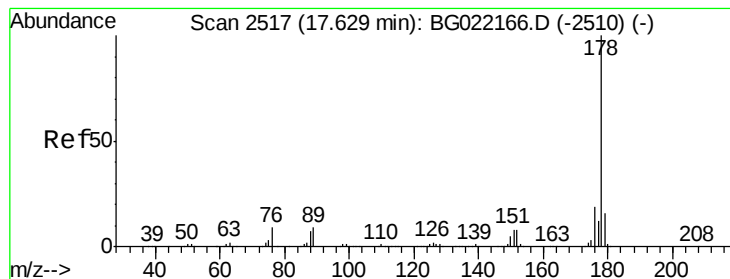


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.97 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

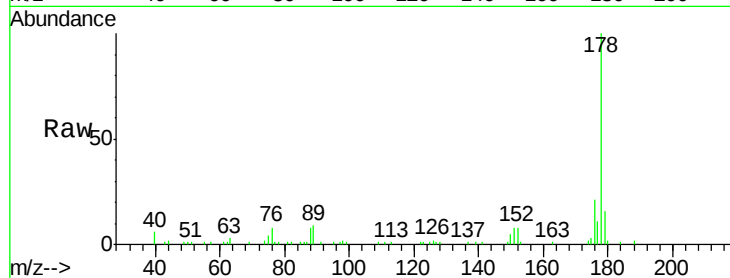
Tot Ion:178 Resp: 53182

Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.4

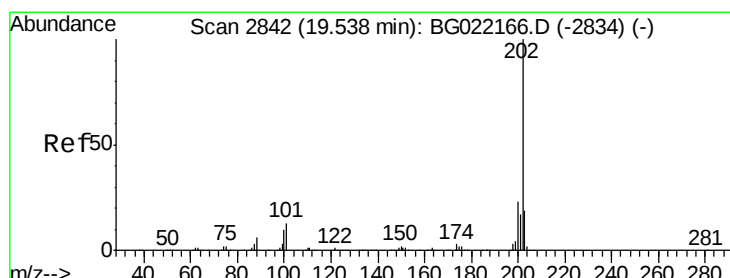
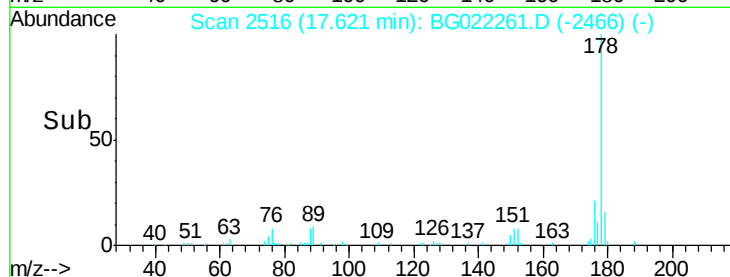
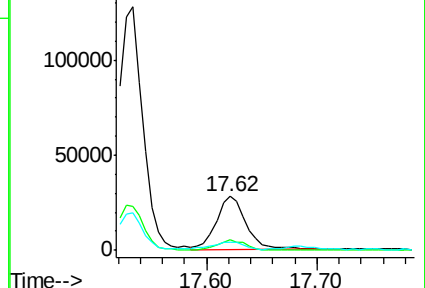
179 15.8 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 20.08 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

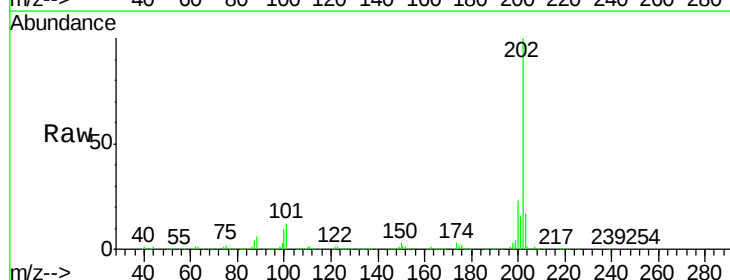
Tgt Ion:202 Resp: 311587

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.0

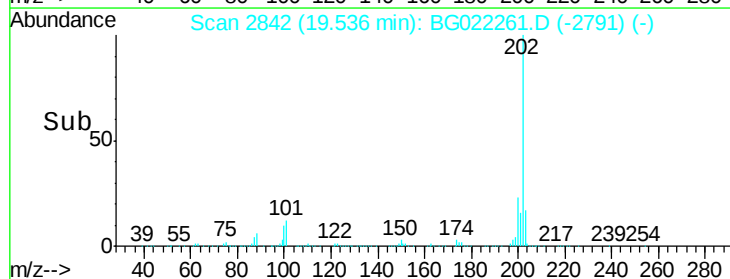
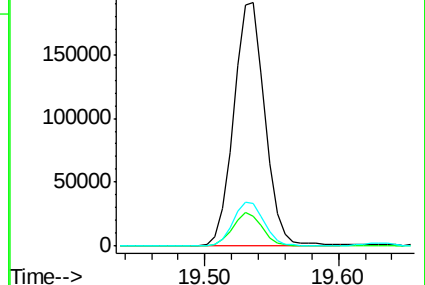
203 17.4 0.0 37.9

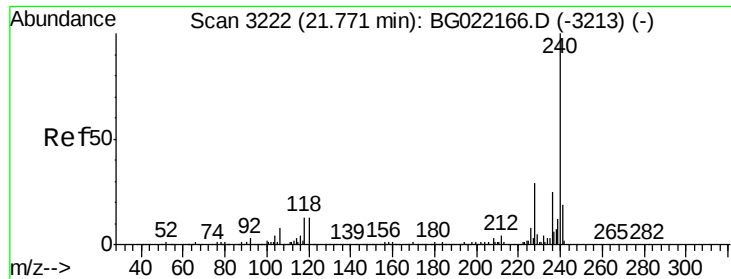


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

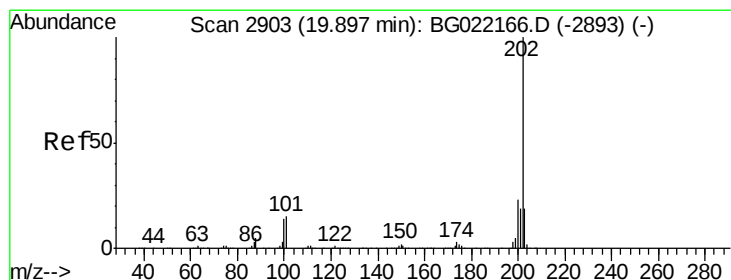
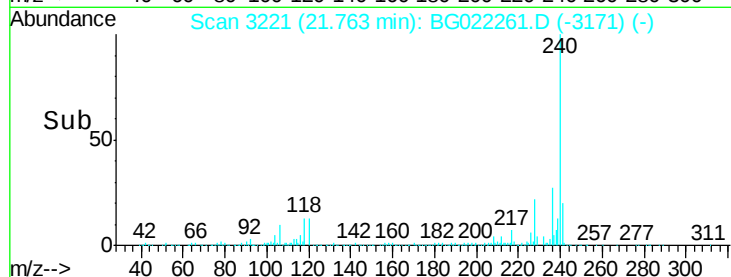
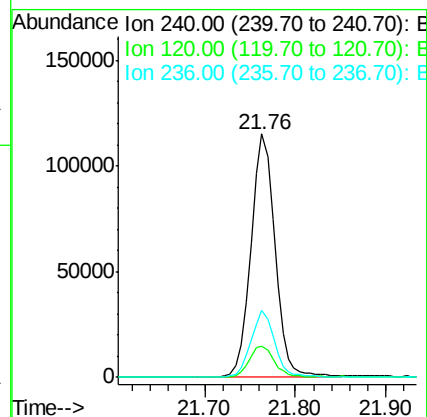
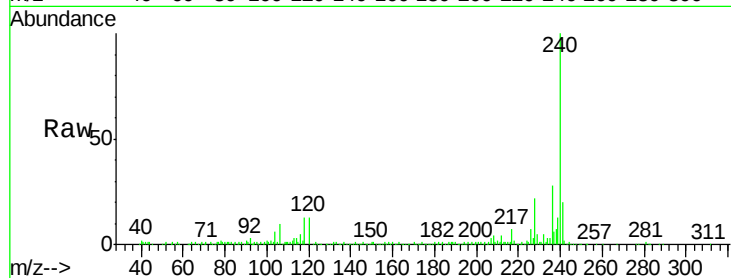




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

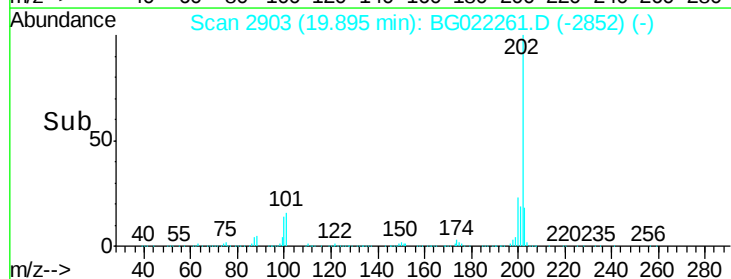
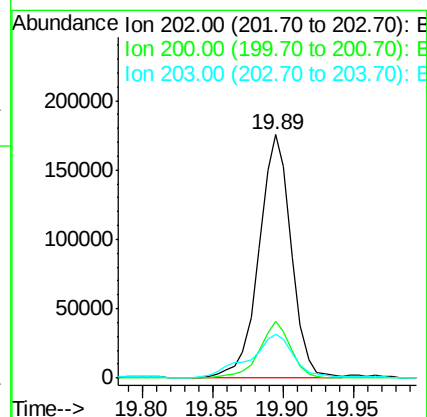
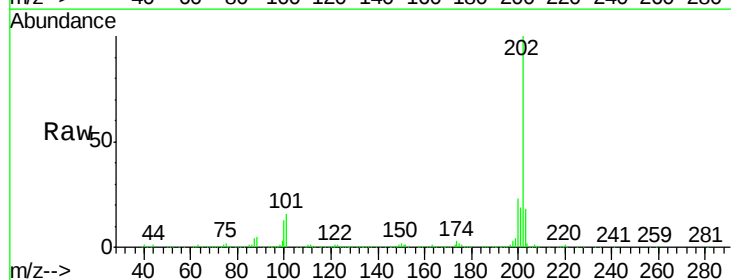
Instrument :
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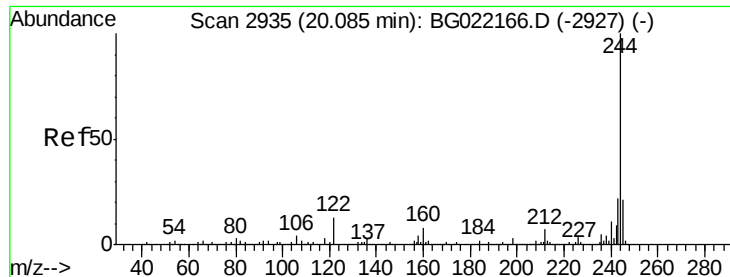
Tot Ion:240 Resp: 212662
Ion Ratio Lower Upper
240 100
120 12.8 8.4 12.6#
236 27.7 19.6 29.4



#77
Pyrene
Concen: 21.23 ng
RT: 19.89 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

Tgt 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: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampled :

SS-42

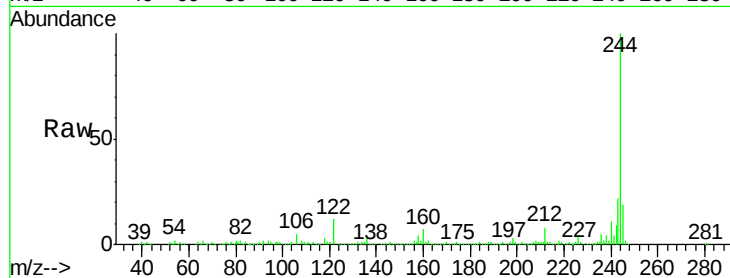
Tot Ion:244 Resp: 295319

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

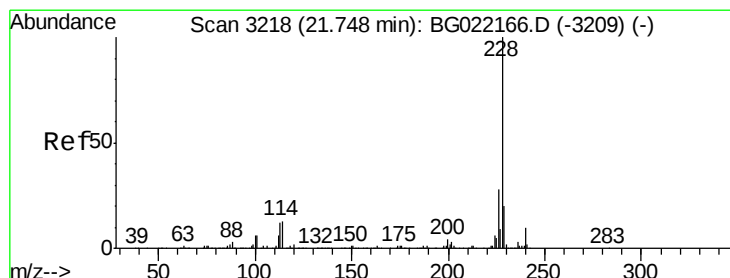
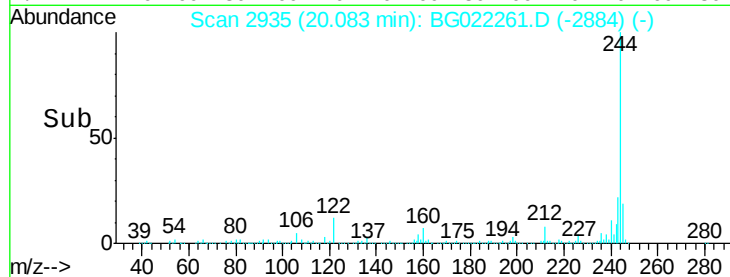
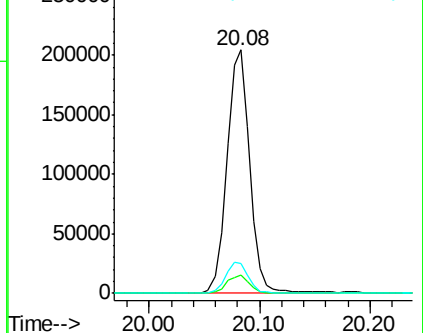
122 12.1 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.20 ng

RT: 21.75 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

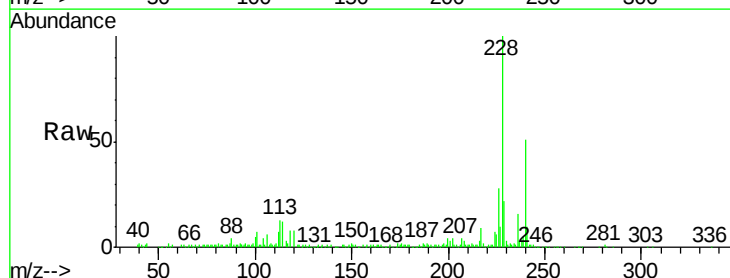
Tgt Ion:228 Resp: 145511

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

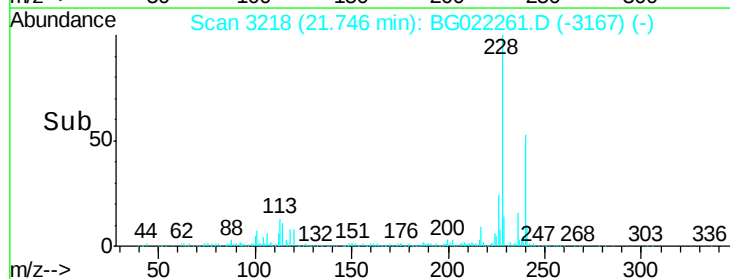
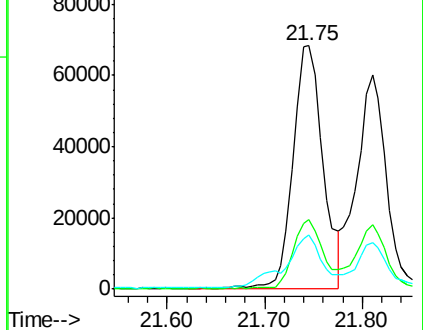
229 22.3 16.1 24.1

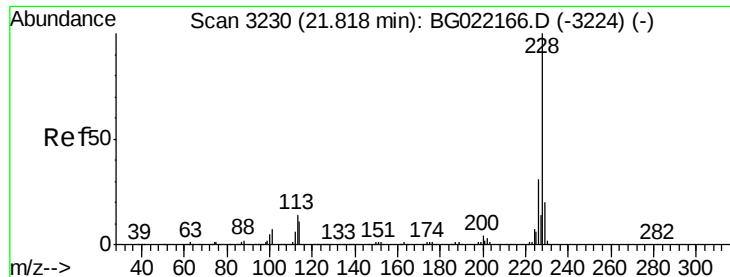


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.63 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

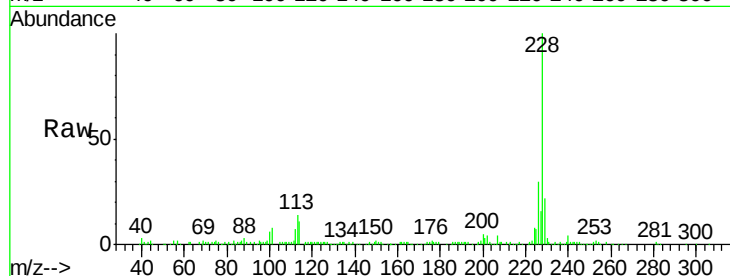
Tot Ion:228 Resp: 123352

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.0

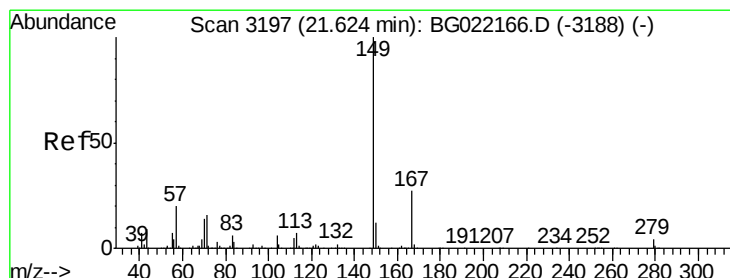
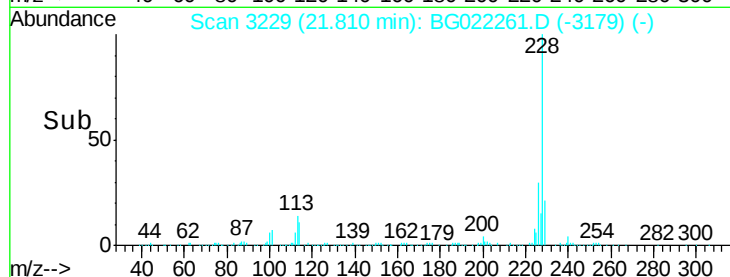
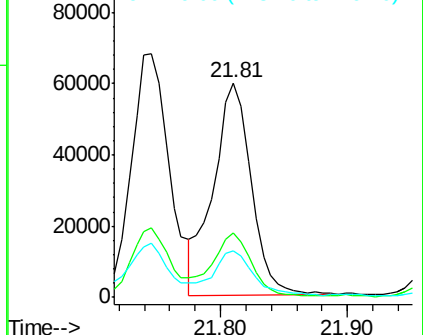
229 21.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.42 ng

RT: 21.62 min Scan# 3196

Delta R.T. -0.01 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

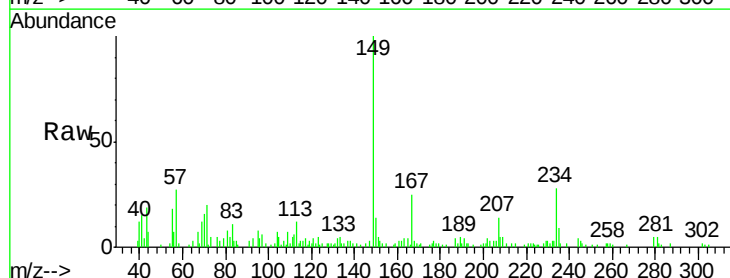
Tgt Ion:149 Resp: 21817

Ion Ratio Lower Upper

149 100

167 24.6 22.4 33.6

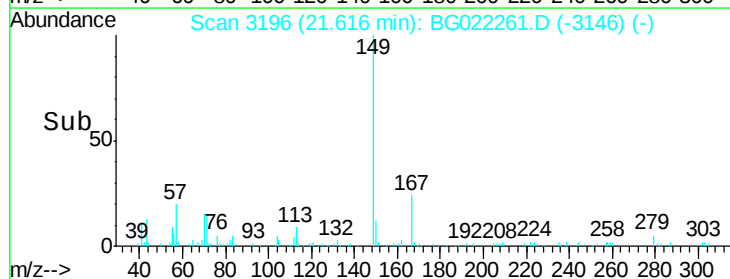
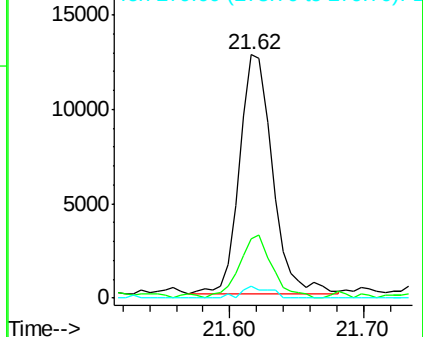
279 4.7 3.2 4.8

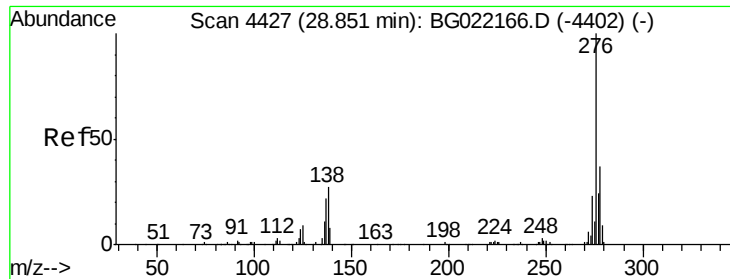


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

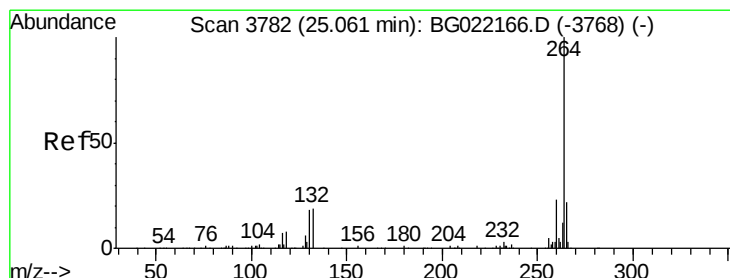
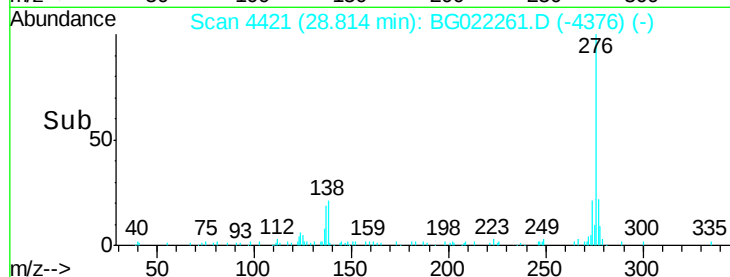
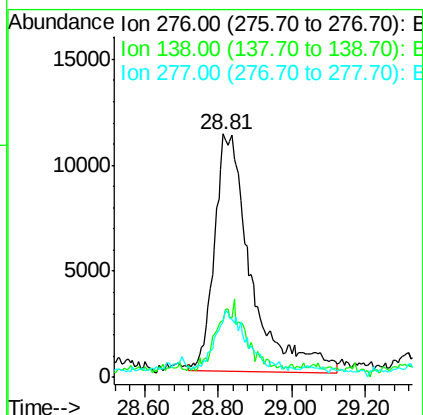
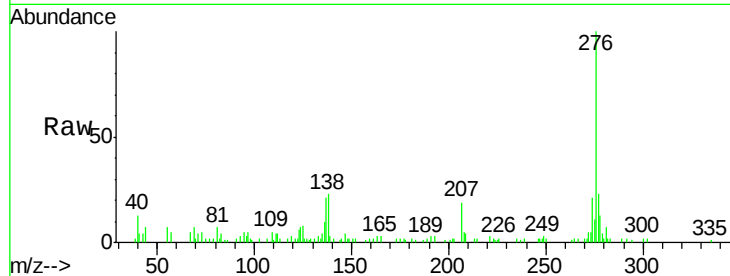




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.00 ng/mL
RT: 28.81 min Scan# 4421
Delta R.T. -0.04 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

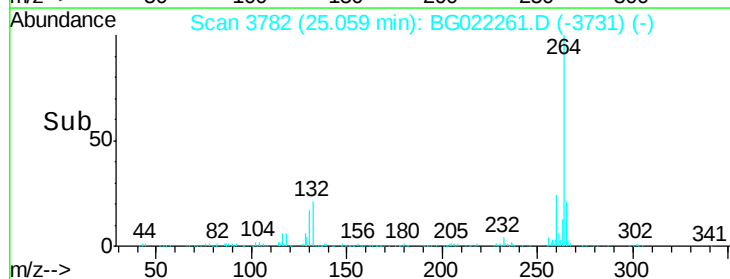
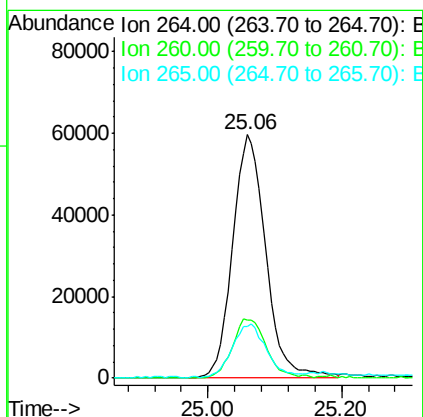
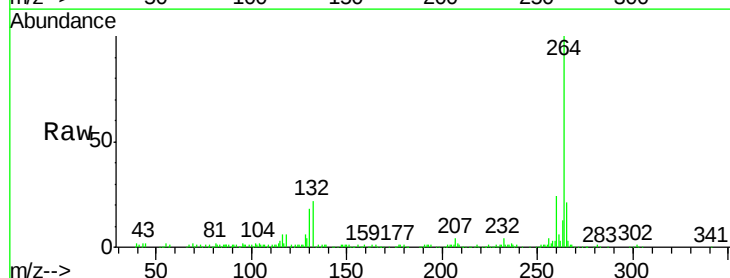
Instrument :
BNA_G
ClientSampleId :
SS-42

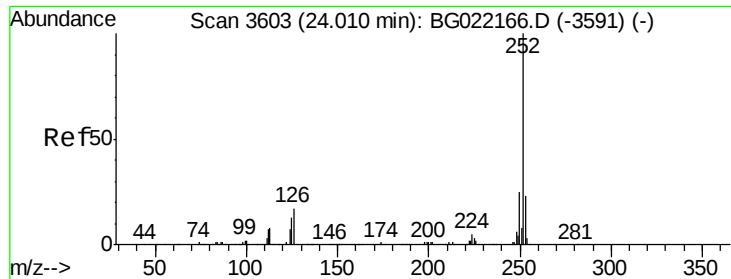
Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	14.0	21.0#
277	19.9	20.6	30.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3782
Delta R.T. -0.00 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

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

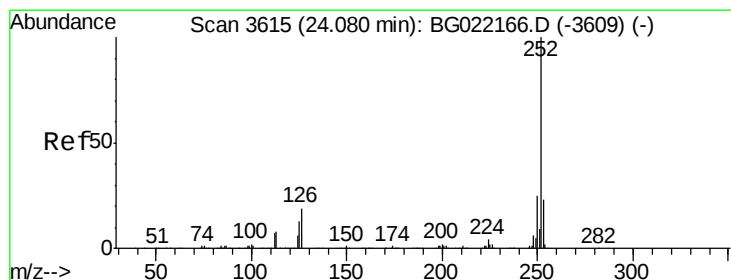
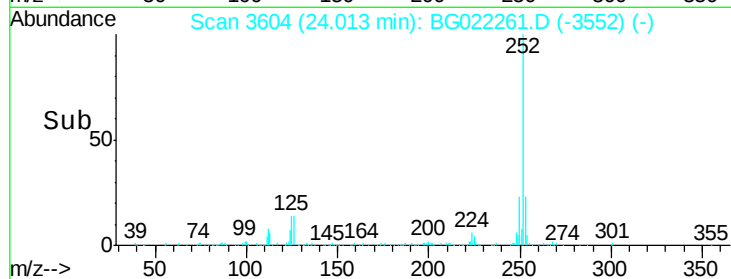
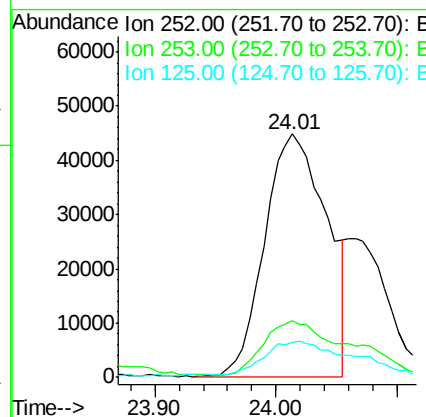
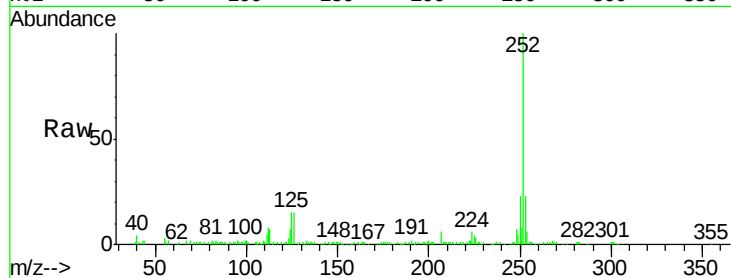




#87
Benzo(b)fluoranthene
Concen: 13.29 ng
RT: 24.01 min Scan# 3604
Delta R.T. 0.00 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

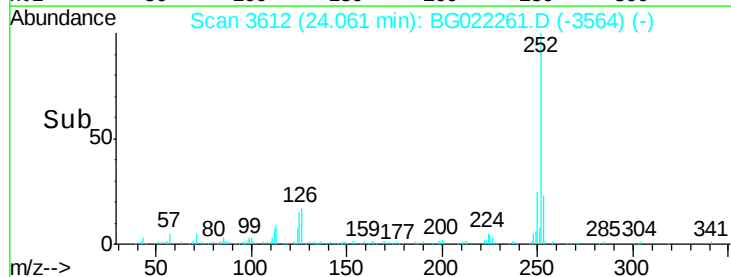
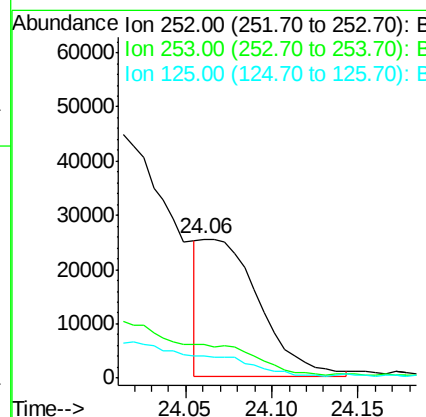
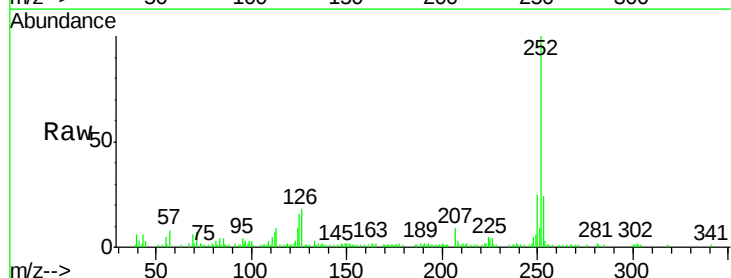
Instrument :
BNA_G
ClientSampleId :
SS-42

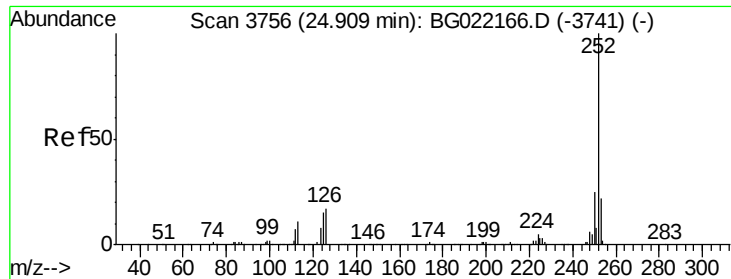
Tot Ion:252 Resp: 159431
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 14.5 8.6 13.0#



#88
Benzo(k)fluoranthene
Concen: 5.12 ng m
RT: 24.06 min Scan# 3612
Delta R.T. -0.02 min
Lab File: BG022261.D
Acq: 9 Jun 2016 9:55

Tgt Ion:252 Resp: 60467
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 16.1 8.3 12.5#





#89

Benzo(a)pyrene

Concen: 10.32 ng

RT: 24.91 min Scan# 3756

Delta R.T. -0.00 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

Instrument :

BNA_G

ClientSampleId :

SS-42

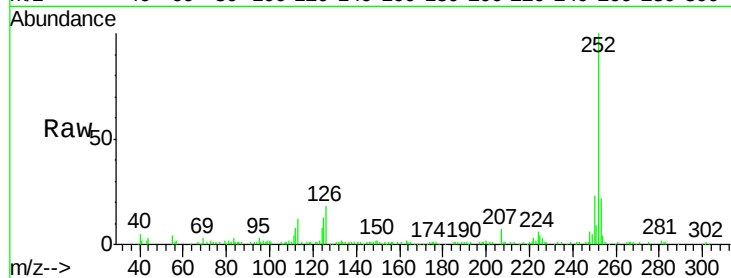
Tot Ion:252 Resp: 118416

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

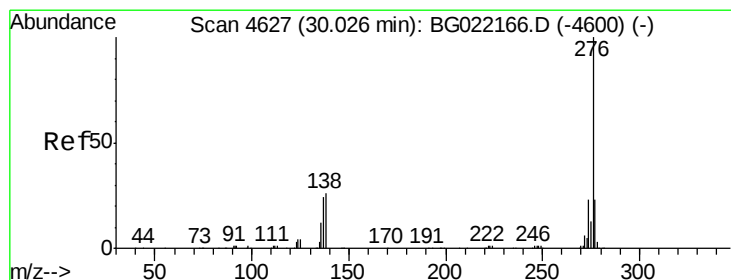
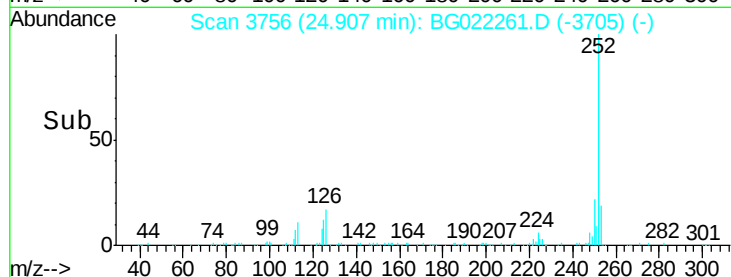
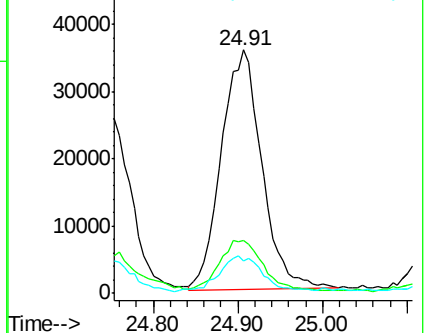
125 13.3 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.22 ng m

RT: 30.01 min Scan# 4624

Delta R.T. -0.02 min

Lab File: BG022261.D

Acq: 9 Jun 2016 9:55

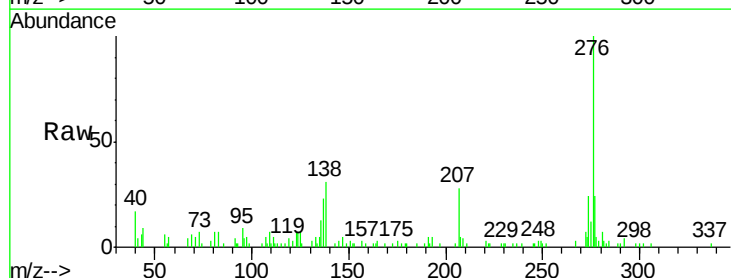
Tgt Ion:276 Resp: 69916

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 31.2 17.4 26.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

