

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060816\
 Data File : BG022239.D
 Acq On : 8 Jun 2016 17:30
 Operator : UM/SJ
 Sample : H3402-02 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-39

Quant Time: Jun 09 06:34:24 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

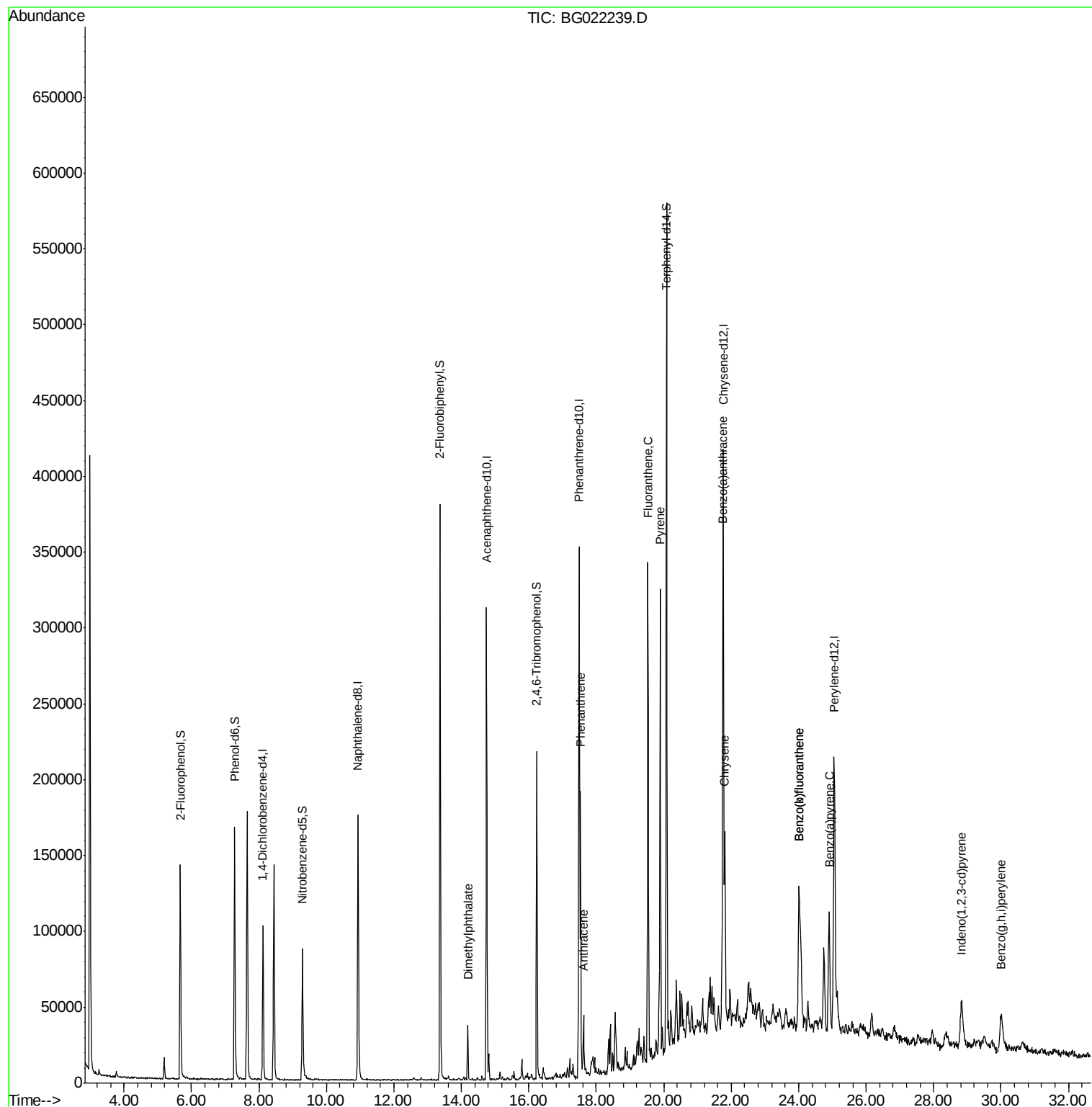
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	39701	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	203813	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	121273	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	236572	20.00	ng	0.00
75) Chrysene-d12	21.76	240	210990	20.00	ng	0.00
86) Perylene-d12	25.05	264	205512	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	98732	48.08	ng	0.00
7) Phenol-d6	7.27	99	151376	46.89	ng	0.00
23) Nitrobenzene-d5	9.29	82	78449	26.83	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	49268	35.95	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	232430	29.21	ng	0.00
78) Terphenyl-d14	20.08	244	253466	28.52	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	31887	3.17	ng	# 96
70) Phenanthrene	17.53	178	130226	10.14	ng	97
71) Anthracene	17.63	178	34337	2.69	ng	100
74) Fluoranthene	19.54	202	224394	15.19	ng	96
77) Pyrene	19.89	202	205383	15.66	ng	99
80) Benzo(a)anthracene	21.74	228	105843	8.95	ng	97
82) Chrysene	21.81	228	83247	7.23	ng	96
85) Indeno(1,2,3-cd)pyrene	28.83	276	54226	4.20	ng	# 88
87) Benzo(b)fluoranthene	24.01	252	157378	13.13	ng	97
88) Benzo(k)fluoranthene	24.01	252	157378	13.34	ng	# 97
89) Benzo(a)pyrene	24.91	252	84297	7.36	ng	97
91) Benzo(g,h,i)perylene	30.02	276	55255	4.92	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

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ClientSampleId :

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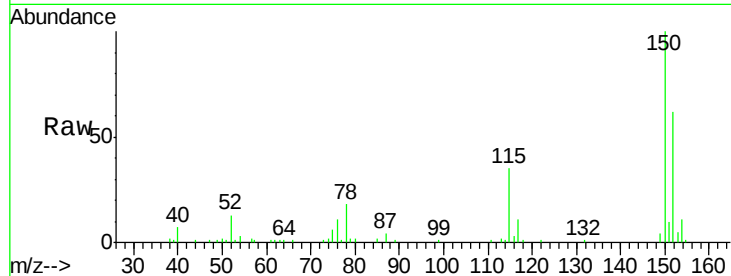
Tgt Ion:152 Resp: 39701

Ion Ratio Lower Upper

152 100

150 160.7 130.1 195.1

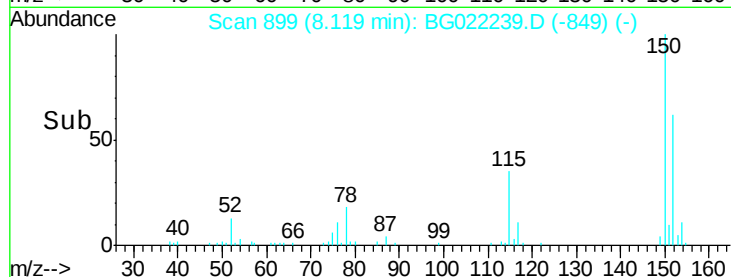
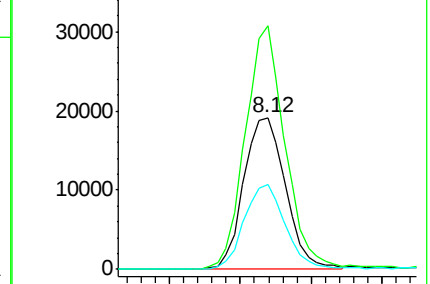
115 56.2 62.2 93.2#



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: 48.08 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

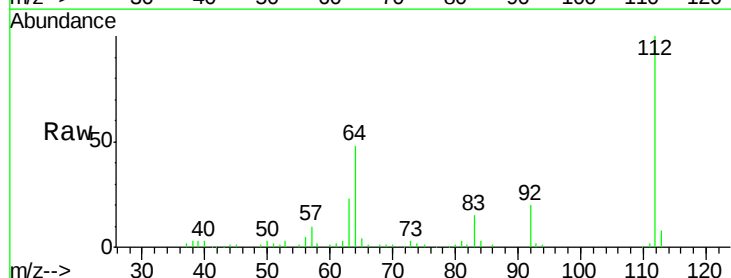
Tgt Ion:112 Resp: 98732

Ion Ratio Lower Upper

112 100

64 47.8 51.1 76.7#

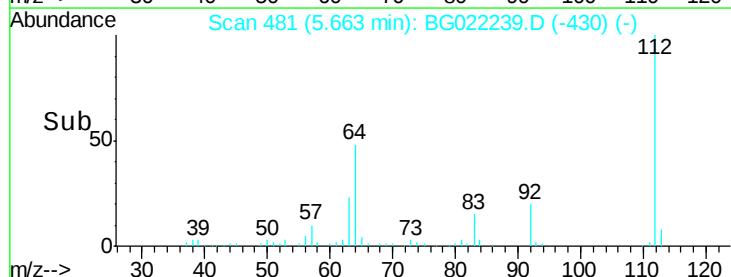
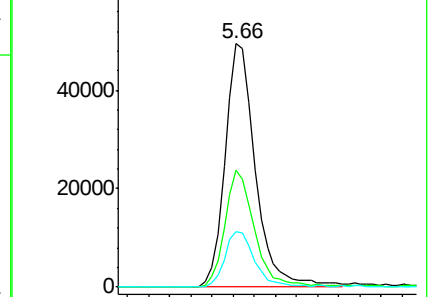
63 22.6 24.6 37.0#



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: 46.89 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

BNA_G

ClientSampleId :

SS-39

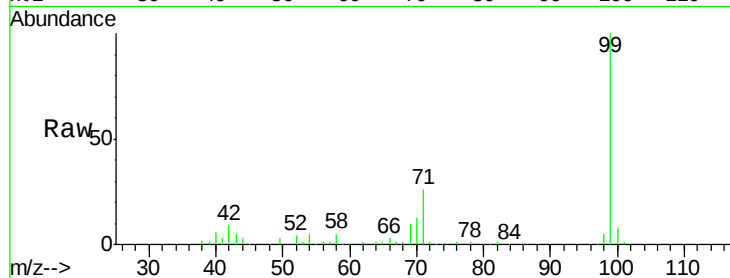
Tgt Ion: 99 Resp: 151376

Ion Ratio Lower Upper

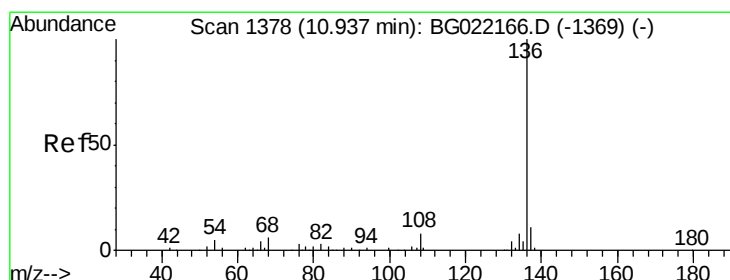
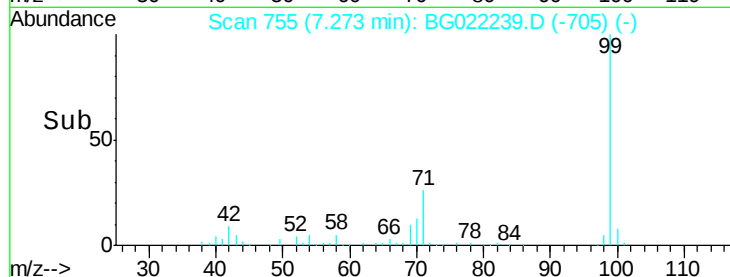
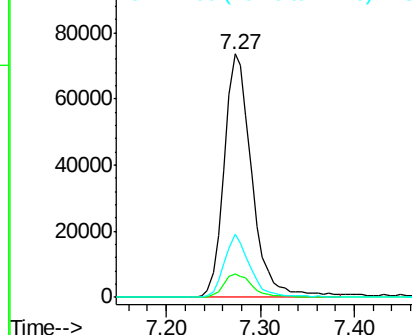
99 100

42 9.5 16.4 24.6#

71 25.9 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: BG022239.D

Acq: 8 Jun 2016 17:30

Tgt Ion: 136 Resp: 203813

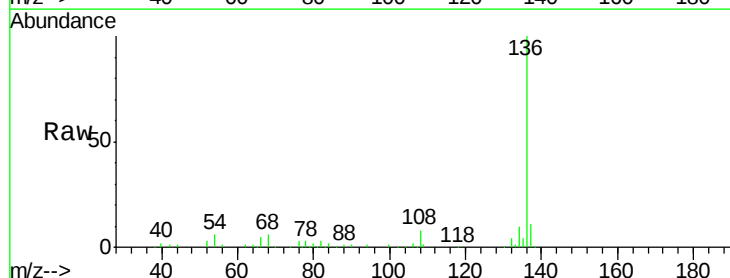
Ion Ratio Lower Upper

136 100

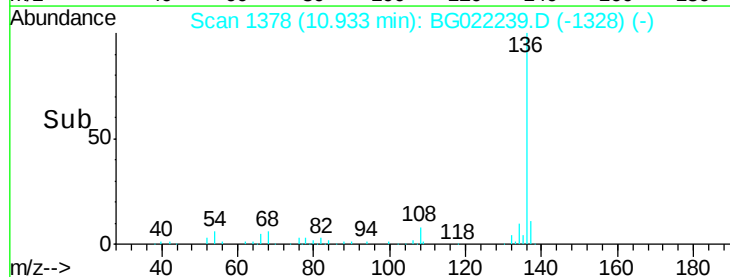
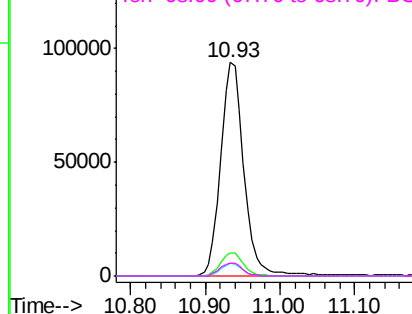
137 10.5 9.0 13.4

54 6.2 9.6 14.4#

68 5.9 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

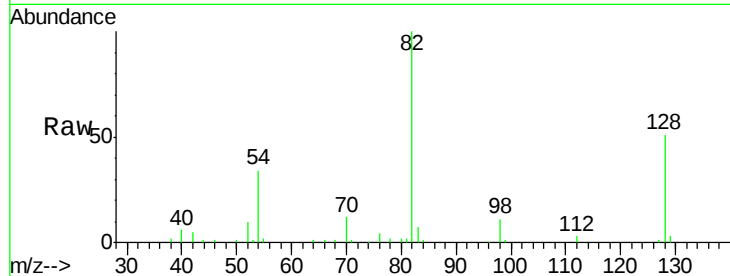




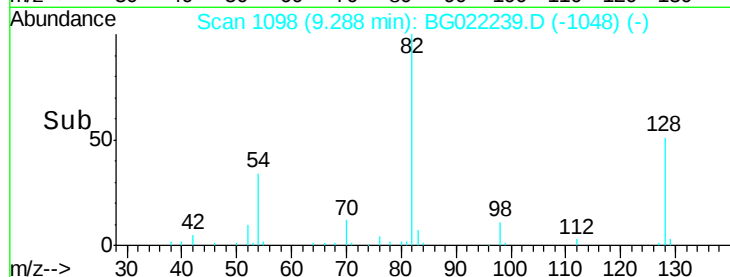
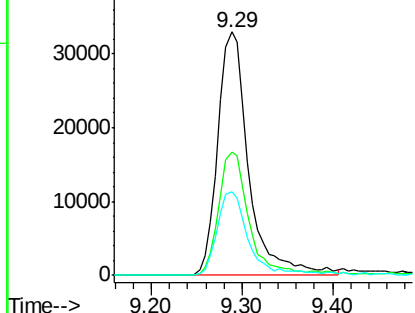
#23
Nitrobenzene-d5
Concen: 26.83 ng
RT: 9.29 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BG022239.D
Acq: 8 Jun 2016 17:30

Instrument :
BNA_G
ClientSampled :
SS-39

Tgt Ion: 82 Resp: 78449
Ion Ratio Lower Upper
82 100
128 50.5 33.4 50.0#
54 34.1 46.1 69.1#

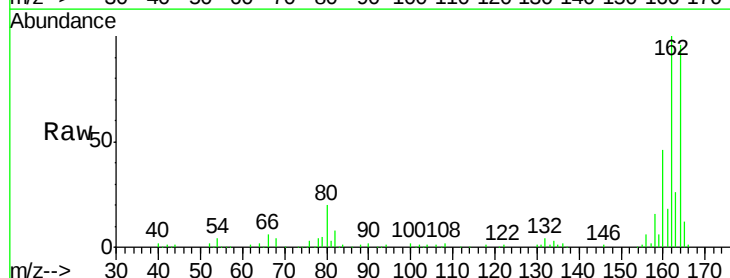


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

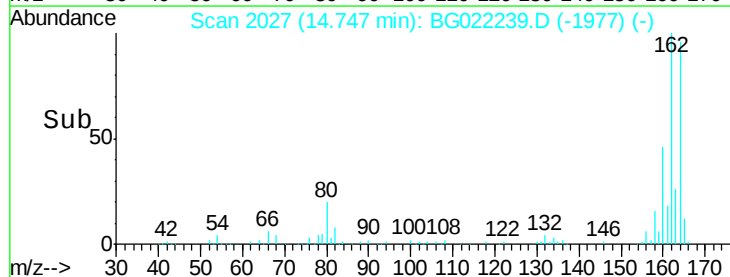
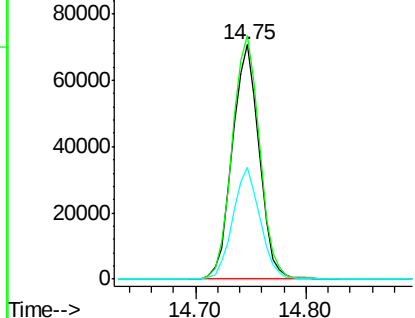


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BG022239.D
Acq: 8 Jun 2016 17:30

Tgt Ion: 164 Resp: 121273
Ion Ratio Lower Upper
164 100
162 103.8 78.0 117.0
160 47.7 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

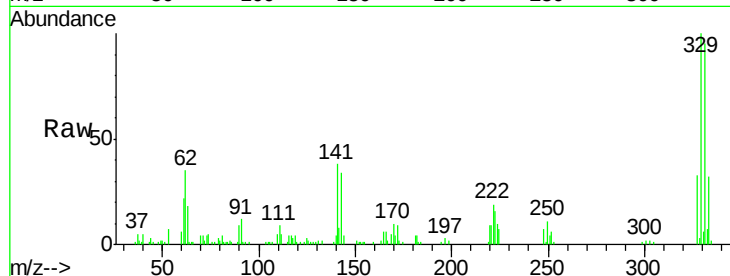




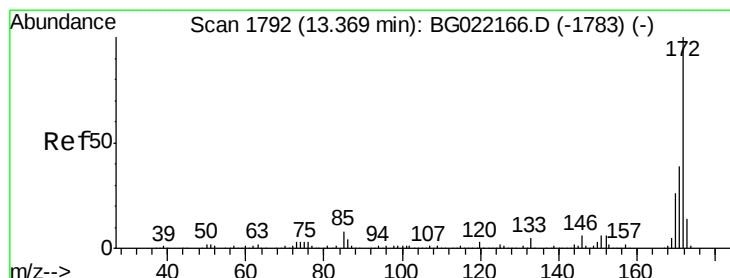
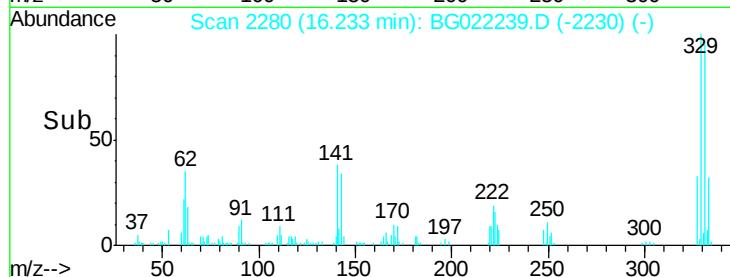
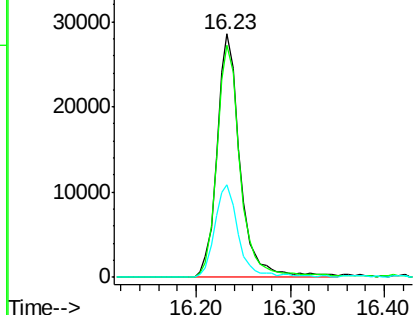
#41
 2,4,6-Tribromophenol
 Concen: 35.95 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG022239.D
 Acq: 8 Jun 2016 17:30

Instrument :
 BNA_G
 ClientSampleId :
 SS-39

Tgt Ion:330 Resp: 49268
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.0 117.0
 141 38.5 33.8 50.8

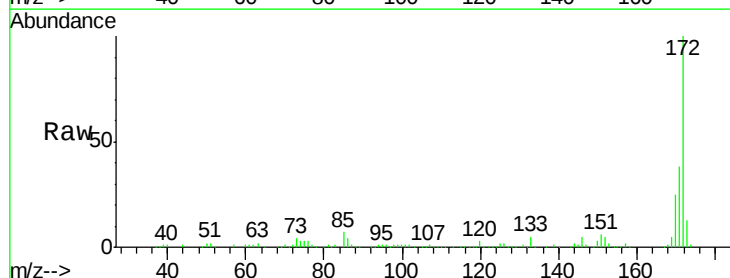


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

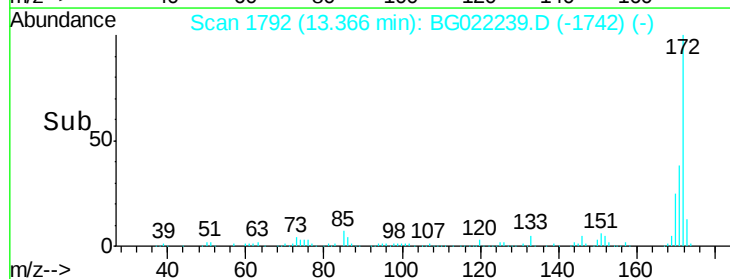
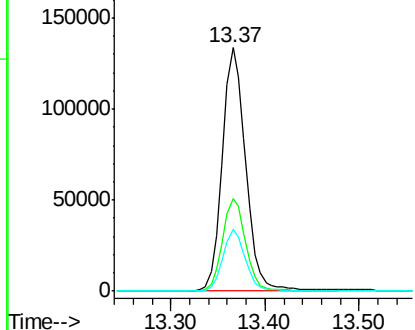


#44
 2-Fluorobiphenyl
 Concen: 29.21 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG022239.D
 Acq: 8 Jun 2016 17:30

Tgt Ion:172 Resp: 232430
 Ion Ratio Lower Upper
 172 100
 171 38.2 27.8 41.6
 170 25.4 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.17 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

BNA_G

ClientSampleId :

SS-39

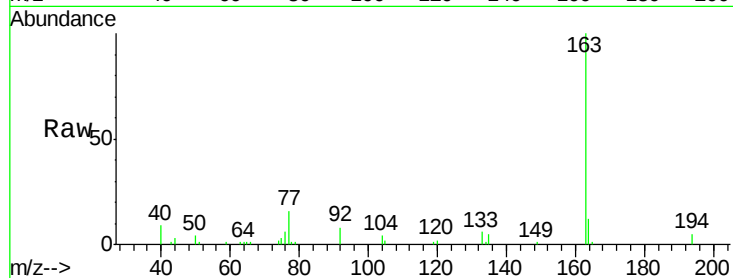
Tgt Ion:163 Resp: 31887

Ion Ratio Lower Upper

163 100

194 4.7 3.0 4.6#

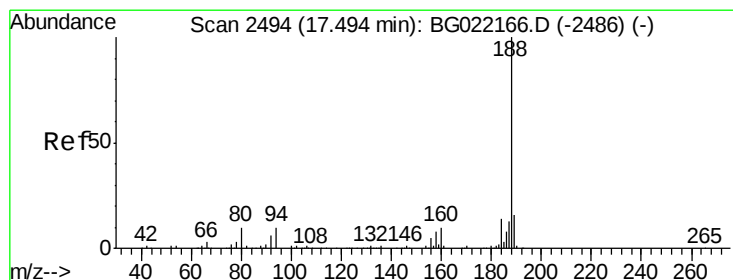
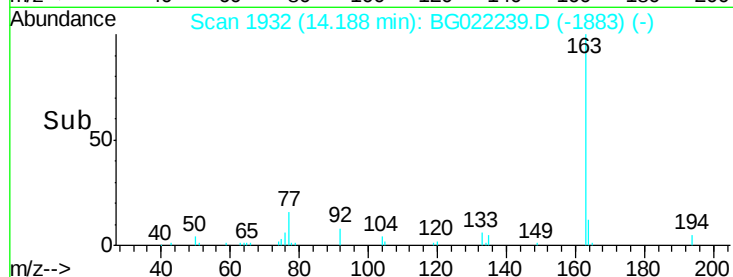
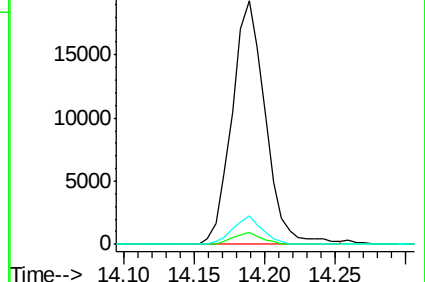
164 11.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

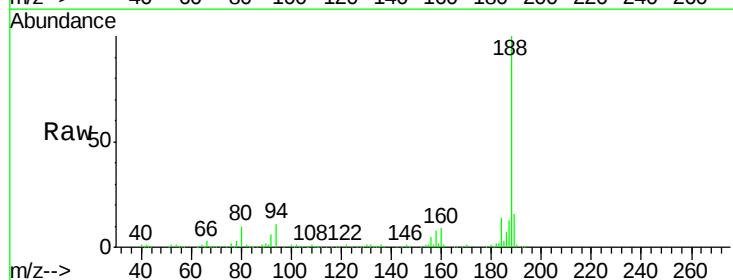
Tgt Ion:188 Resp: 236572

Ion Ratio Lower Upper

188 100

94 10.7 7.5 11.3

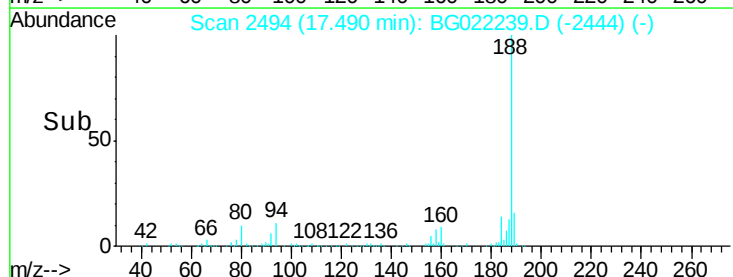
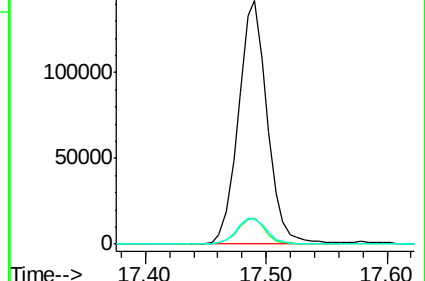
80 10.3 8.6 13.0

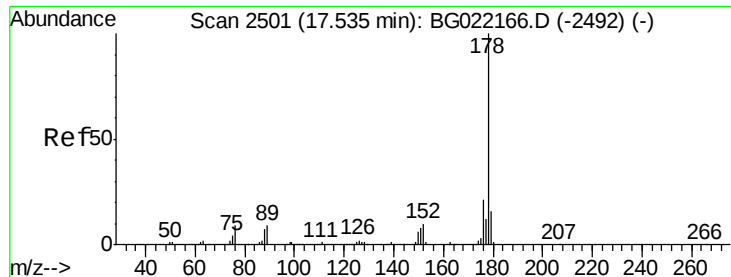


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

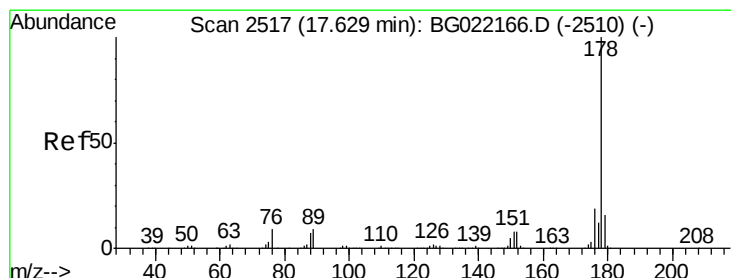
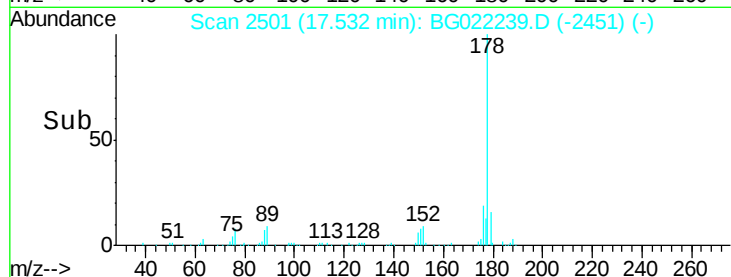
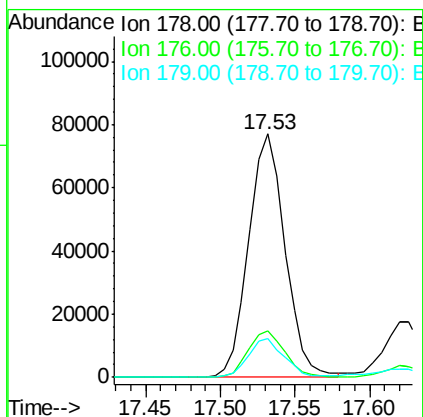
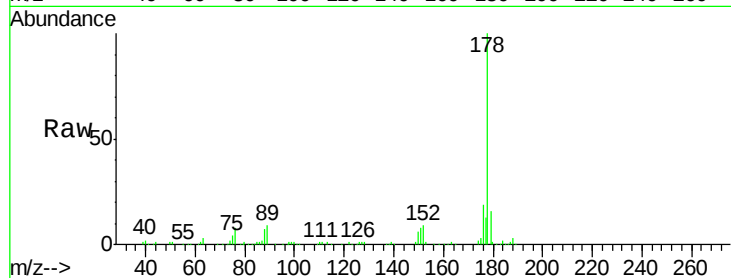




#70
Phenanthrene
Concen: 10.14 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.00 min
Lab File: BG022239.D
Acq: 8 Jun 2016 17:30

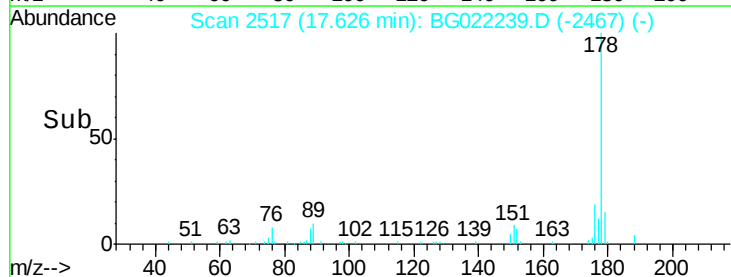
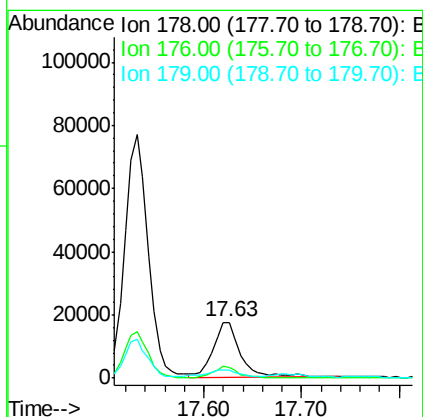
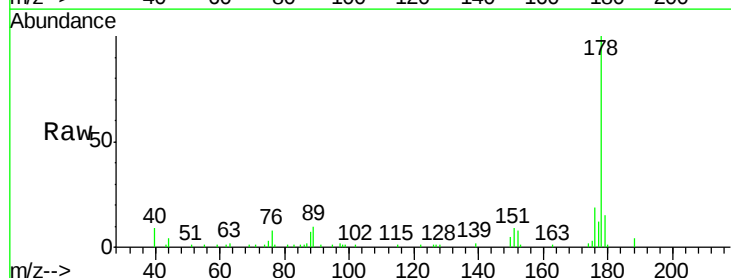
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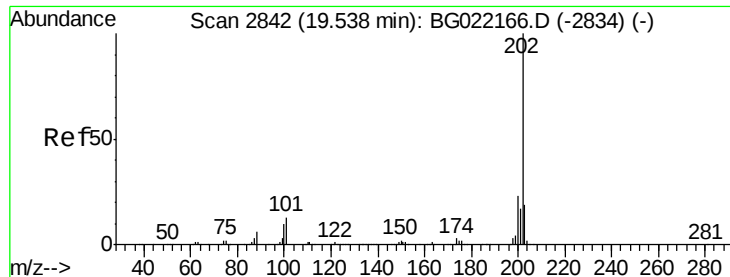
Tgt Ion:178 Resp: 130226
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.9 12.0 18.0



#71
Anthracene
Concen: 2.69 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BG022239.D
Acq: 8 Jun 2016 17:30

Tgt Ion:178 Resp: 34337
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.5 12.2 18.4





#74

Fluoranthene

Concen: 15.19 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

BNA_G

ClientSampleId :

SS-39

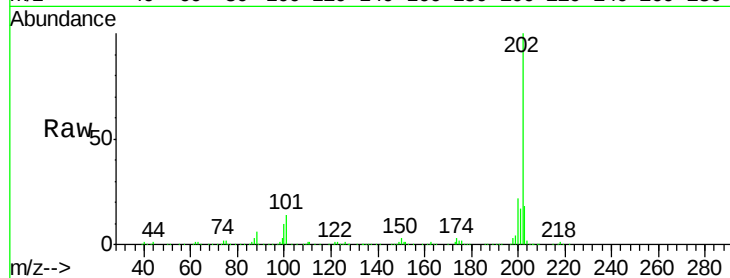
Tgt Ion:202 Resp: 224394

Ion Ratio Lower Upper

202 100

101 14.5 0.0 31.0

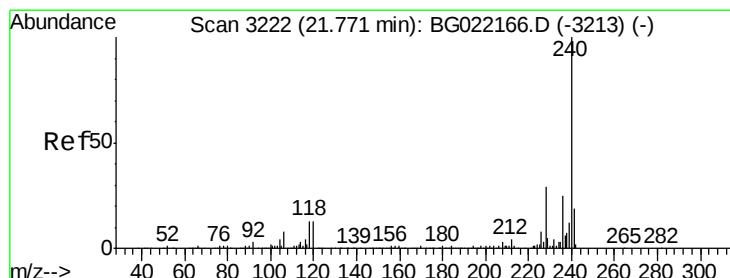
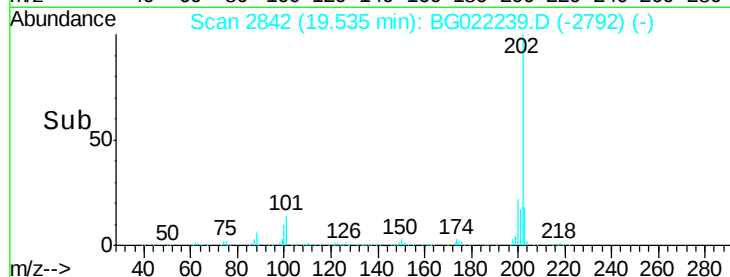
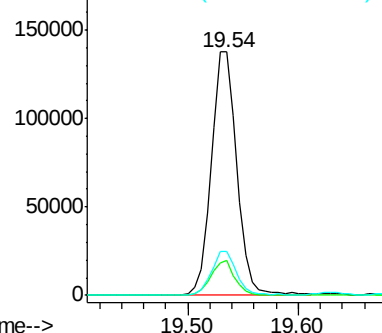
203 18.1 0.0 37.9



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: BG022239.D

Acq: 8 Jun 2016 17:30

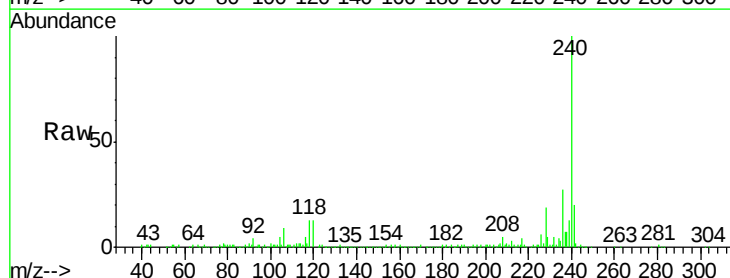
Tgt Ion:240 Resp: 210990

Ion Ratio Lower Upper

240 100

120 13.0 8.4 12.6#

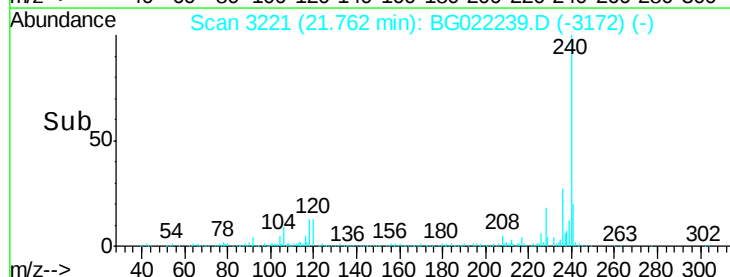
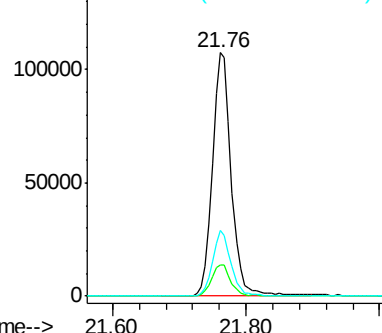
236 26.9 19.6 29.4

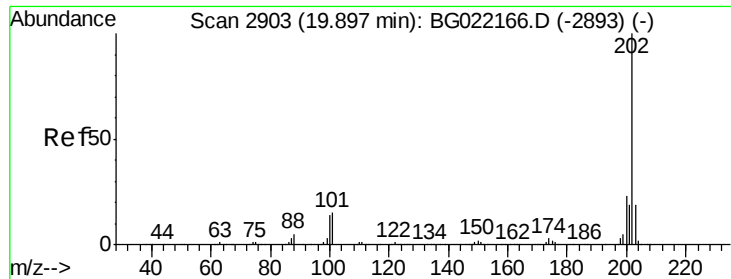


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 15.66 ng

RT: 19.89 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

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ClientSampleId :

SS-39

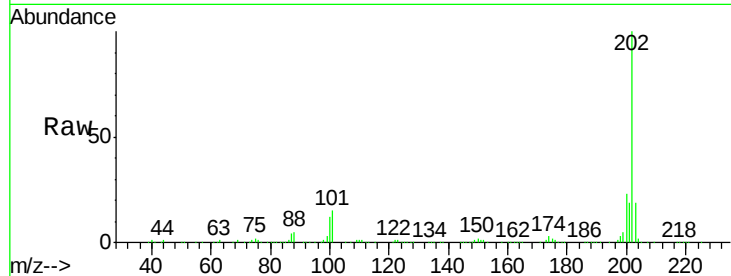
Tgt Ion: 202 Resp: 205383

Ion Ratio Lower Upper

202 100

200 23.0 18.2 27.2

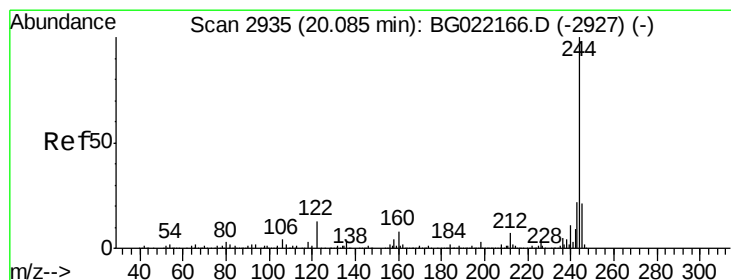
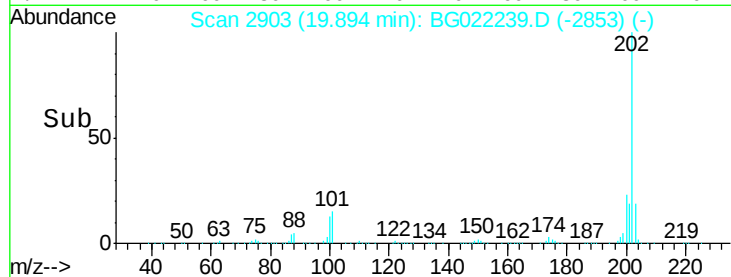
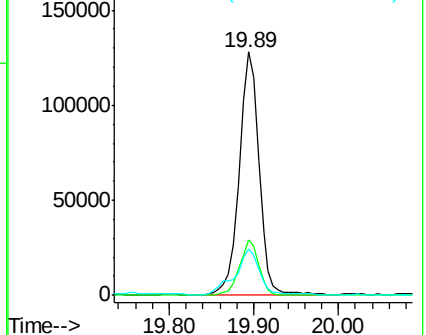
203 19.0 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 28.52 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

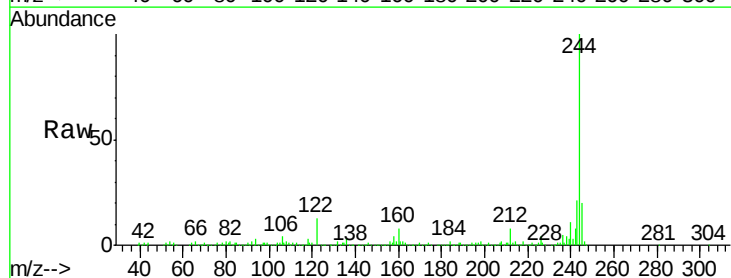
Tgt Ion: 244 Resp: 253466

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

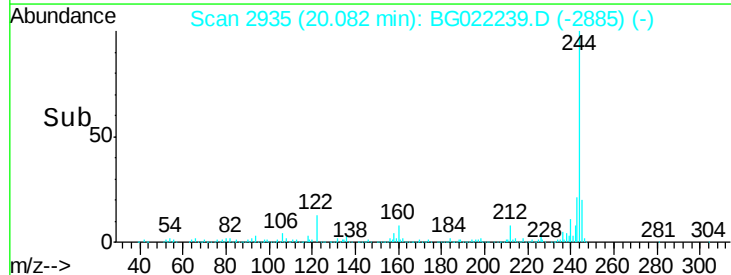
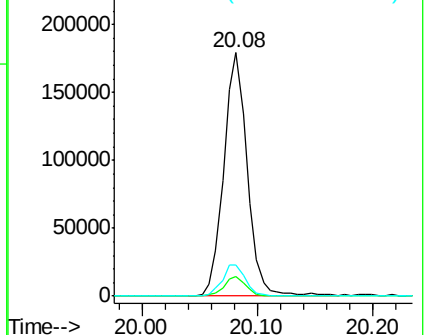
122 12.6 8.6 12.8

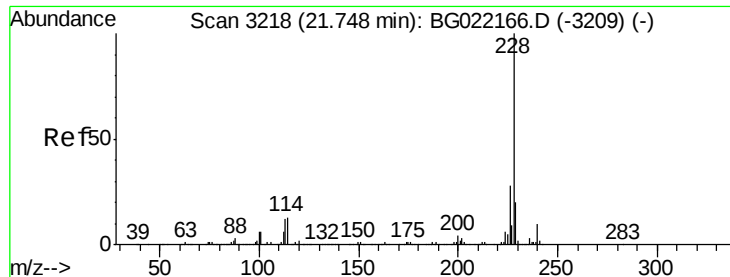


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.95 ng

RT: 21.74 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

BNA_G

ClientSampleId :

SS-39

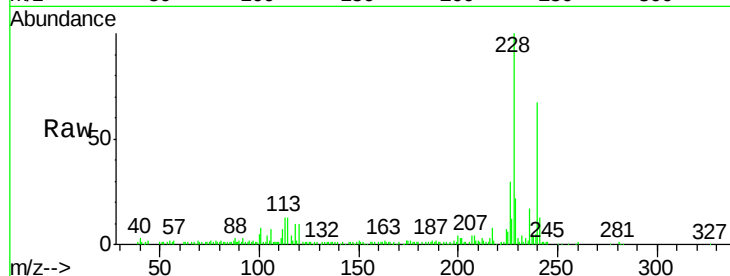
Tgt Ion:228 Resp: 105843

Ion Ratio Lower Upper

228 100

226 29.6 22.6 34.0

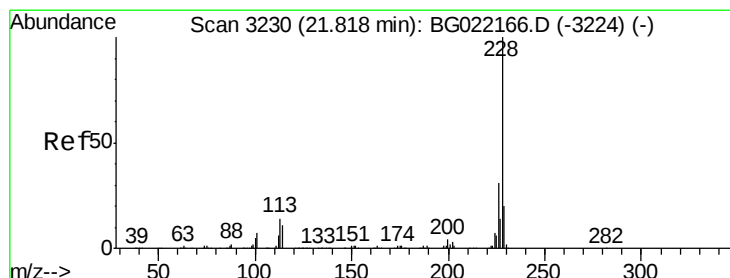
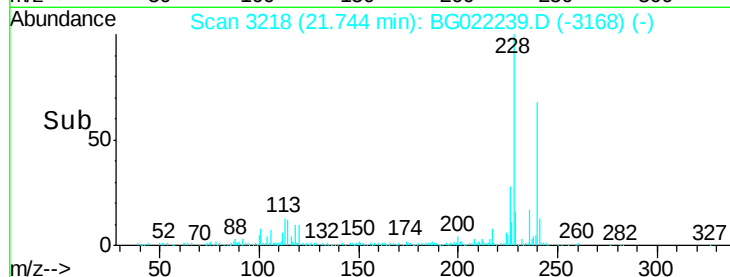
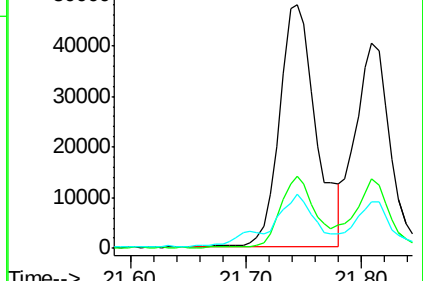
229 22.3 16.1 24.1



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: 7.23 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.01 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

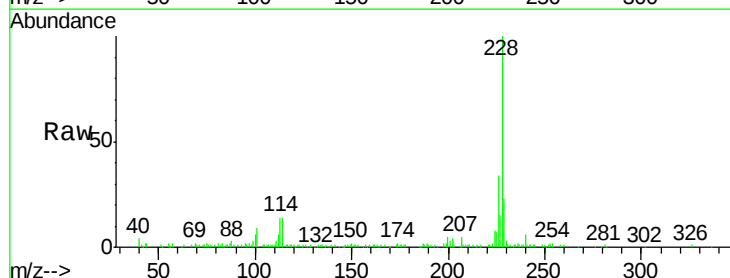
Tgt Ion:228 Resp: 83247

Ion Ratio Lower Upper

228 100

226 33.6 25.4 38.0

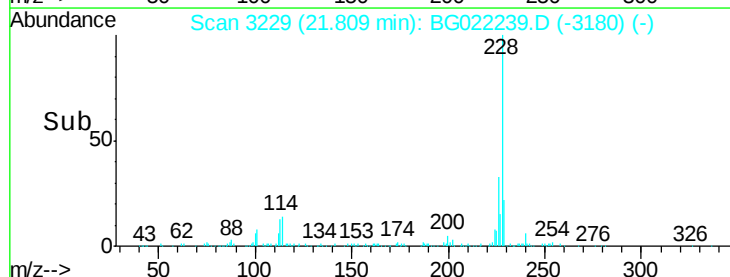
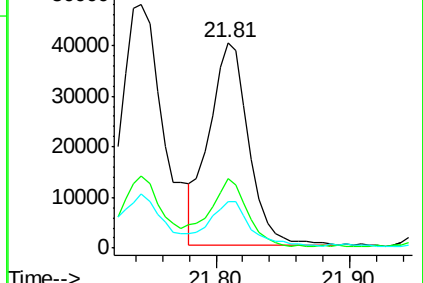
229 22.6 15.9 23.9

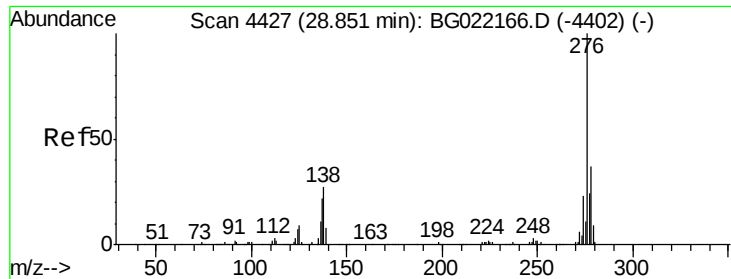


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.20 ng

RT: 28.83 min Scan# 4424

Delta R.T. -0.02 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

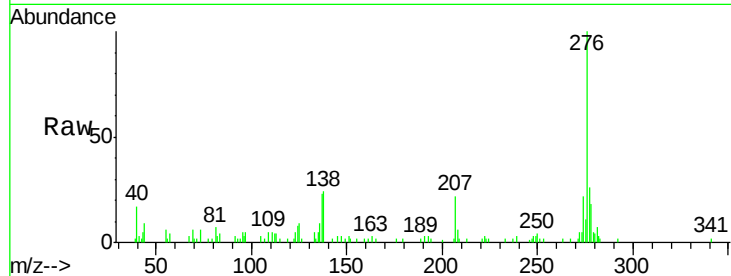
Instrument :

BNA_G

ClientSampleId :

SS-39

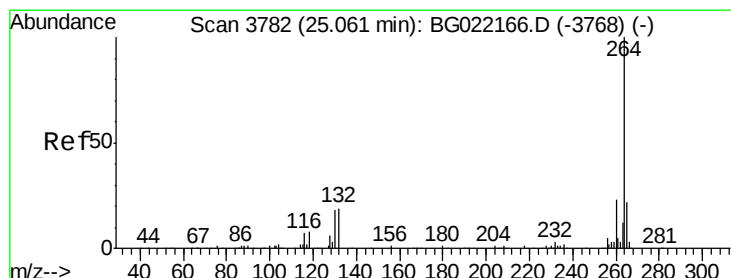
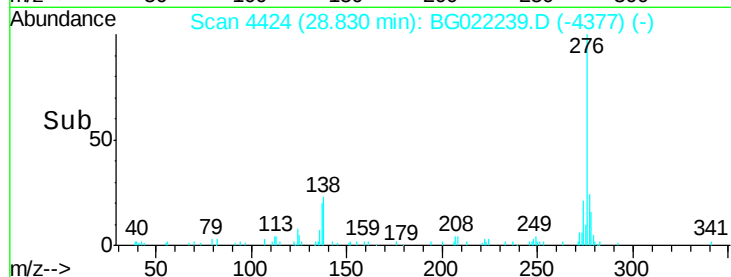
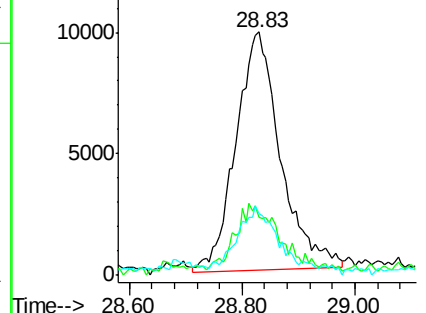
Tgt Ion:	276	Resp:	54226
Ion	Ratio	Lower	Upper
276	100		
138	24.9	14.0	21.0#
277	21.3	20.6	30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

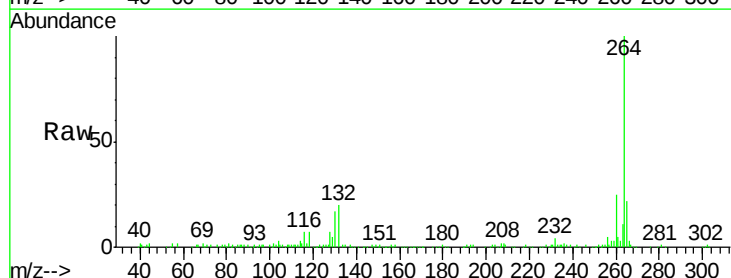
RT: 25.05 min Scan# 3781

Delta R.T. -0.01 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

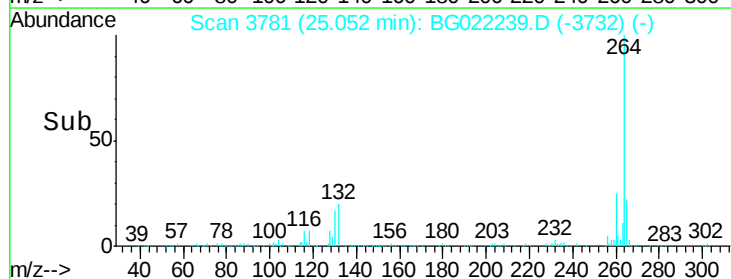
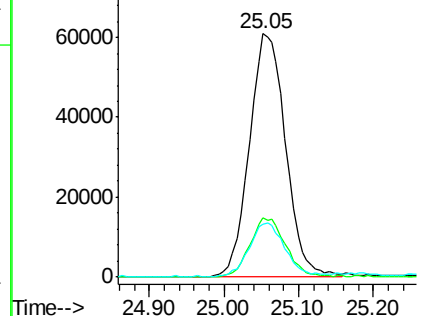
Tgt Ion:	264	Resp:	205512
Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.2	30.4
265	22.0	17.8	26.8

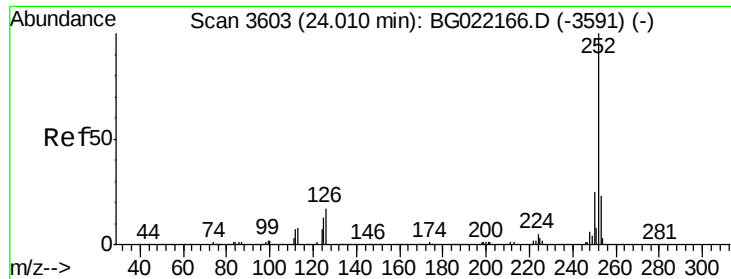


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.13 ng

RT: 24.01 min Scan# 3604

Delta R.T. 0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

BNA_G

ClientSampleId :

SS-39

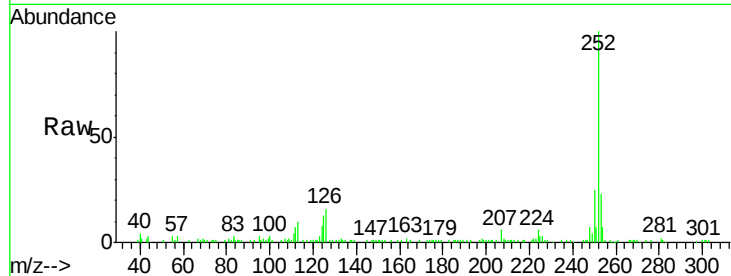
Tgt Ion:252 Resp: 157378

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

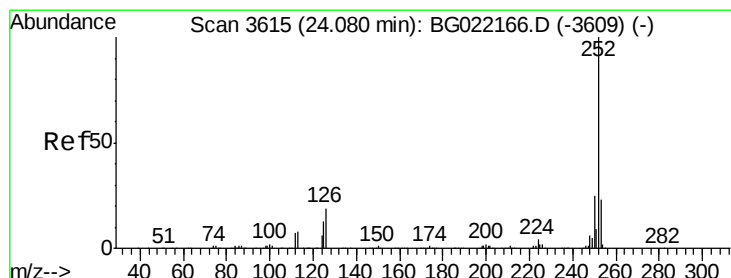
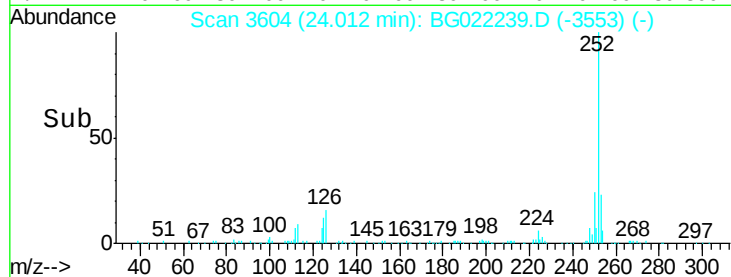
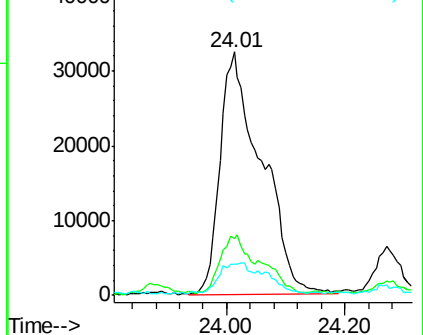
125 12.7 8.6 13.0



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



#88

Benzo(k)fluoranthene

Concen: 13.34 ng

RT: 24.01 min Scan# 3604

Delta R.T. -0.07 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

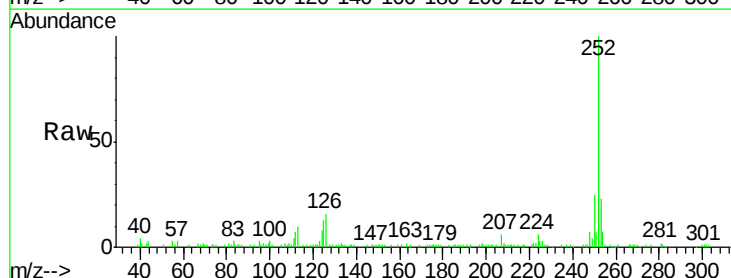
Tgt Ion:252 Resp: 157378

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

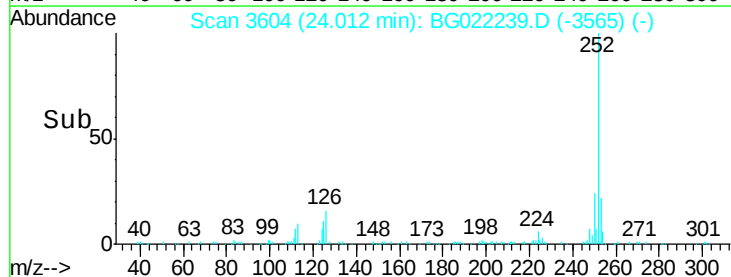
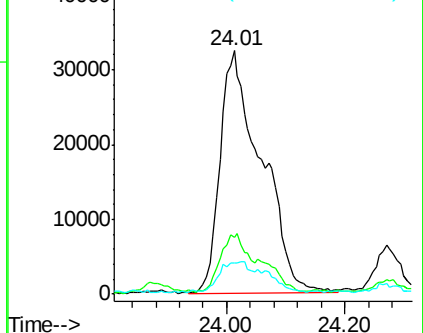
125 12.7 8.3 12.5#

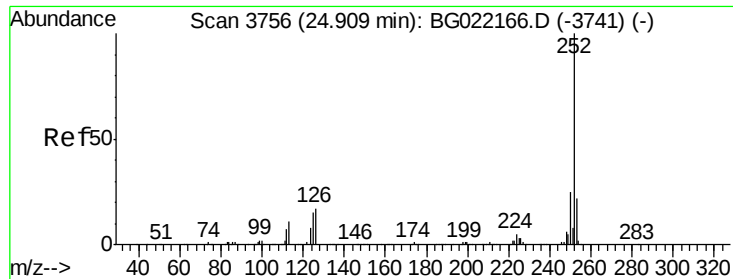


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.36 ng

RT: 24.91 min Scan# 3756

Delta R.T. -0.00 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

Instrument :

BNA_G

ClientSampleId :

SS-39

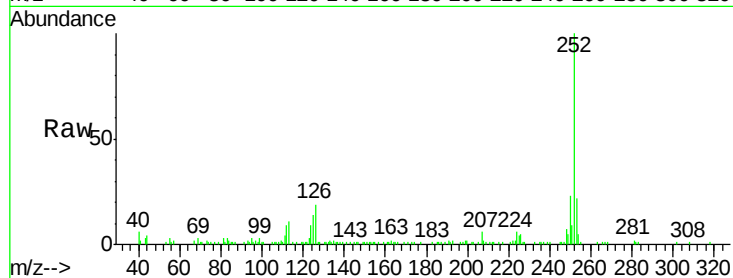
Tgt Ion:252 Resp: 84297

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

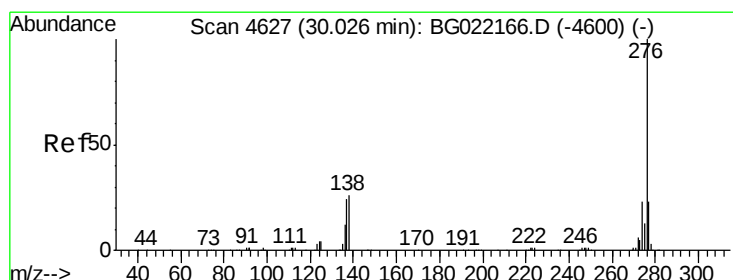
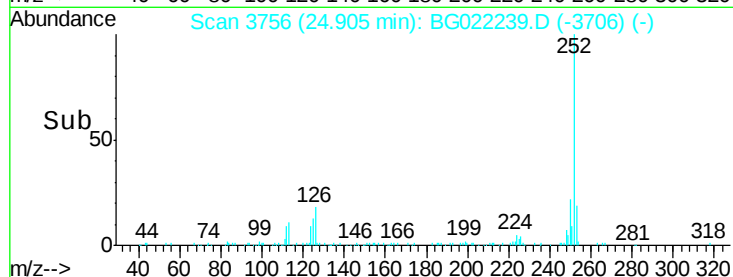
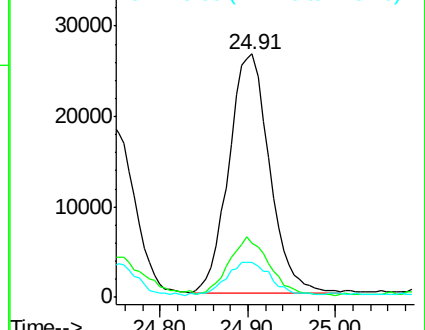
125 14.1 9.6 14.4



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: 4.92 ng

RT: 30.02 min Scan# 4626

Delta R.T. -0.01 min

Lab File: BG022239.D

Acq: 8 Jun 2016 17:30

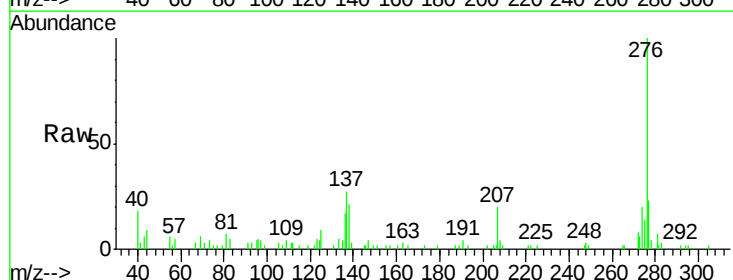
Tgt Ion:276 Resp: 55255

Ion Ratio Lower Upper

276 100

277 22.7 19.4 29.2

138 20.8 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

