

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062316\
 Data File : BG022504.D
 Acq On : 23 Jun 2016 4:29
 Operator : UM/SJ
 Sample : H3467-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 23 05:07:11 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:27:56 2016
 Response via : Initial Calibration

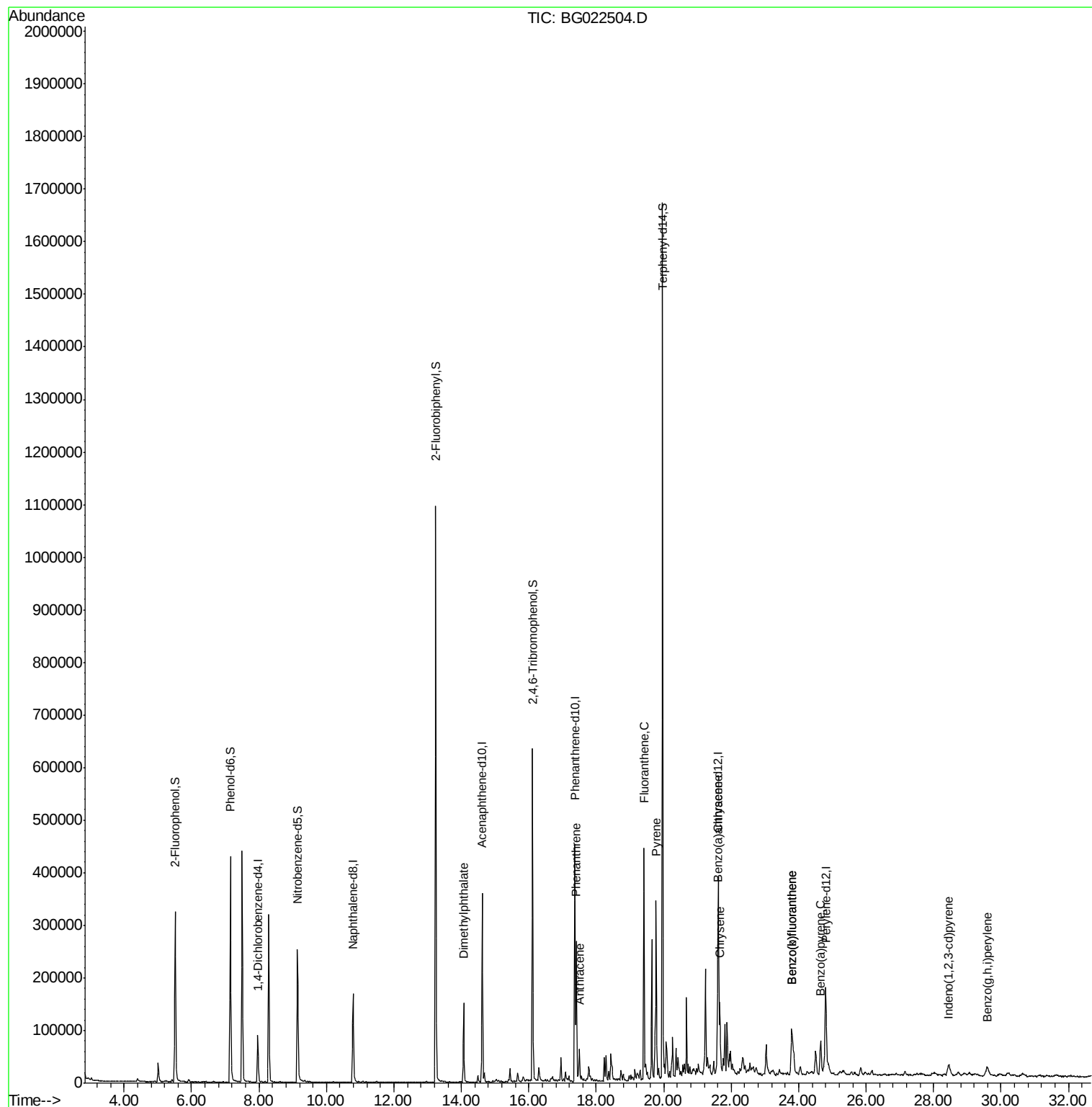
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	31848	20.00	ng	-0.02
21) Naphthalene-d8	10.79	136	189304	20.00	ng	-0.02
38) Acenaphthene-d10	14.62	164	133332	20.00	ng	-0.01
63) Phenanthrene-d10	17.36	188	292064	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	170548	20.00	ng	-0.02
86) Perylene-d12	24.80	264	154669	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	228227	138.55	ng	-0.03
7) Phenol-d6	7.15	99	390233	150.68	ng	-0.03
23) Nitrobenzene-d5	9.14	82	215773	79.47	ng	-0.02
41) 2,4,6-Tribromophenol	16.11	330	118413	78.60	ng	-0.02
44) 2-Fluorobiphenyl	13.24	172	628093	71.79	ng	-0.01
78) Terphenyl-d14	19.96	244	711936	99.10	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.07	163	125631	11.36	ng	99
70) Phenanthrene	17.40	178	168284	10.61	ng	99
71) Anthracene	17.50	178	44026	2.80	ng	94
74) Fluoranthene	19.41	202	276172	15.14	ng	95
77) Pyrene	19.78	202	213728	20.16	ng	99
80) Benzo(a)anthracene	21.60	228	96777	10.12	ng	98
82) Chrysene	21.66	228	78719	8.46	ng	96
85) Indeno(1,2,3-cd)pyrene	28.45	276	32514	3.11	ng	# 79
87) Benzo(b)fluoranthene	23.79	252	87683	9.72	ng	# 90
88) Benzo(k)fluoranthene	23.79	252	87683	9.87	ng	# 91
89) Benzo(a)pyrene	24.65	252	61752	7.16	ng	# 84
91) Benzo(a,h,i)perylene	29.58	276	32373	3.83	ng	# 82

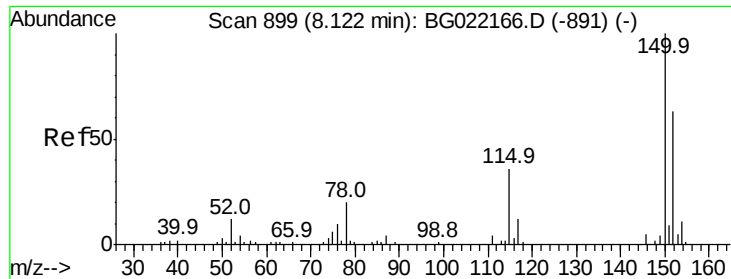
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.97 min Scan# 873

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampleId :

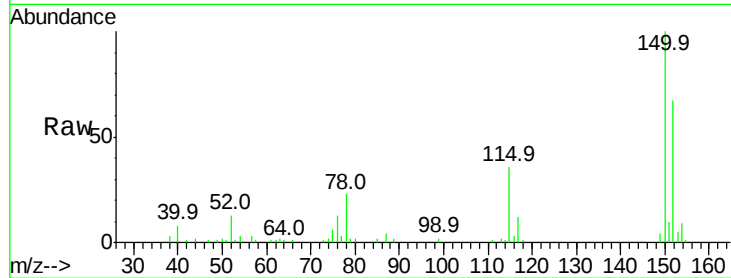
Tot Ion:152 Resp: 31848

Ion Ratio Lower Upper

152 100

150 150.2 130.1 195.1

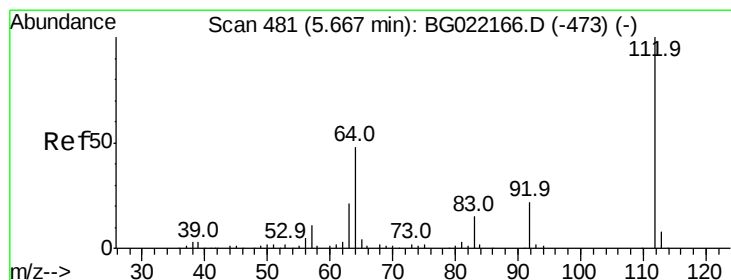
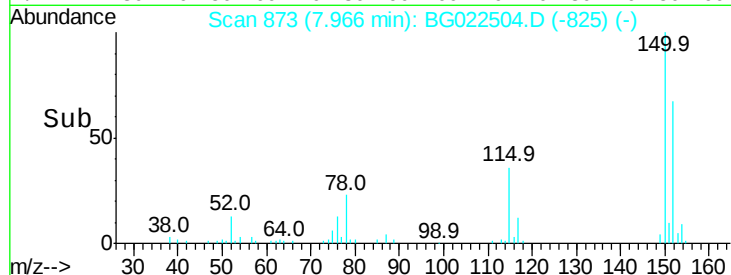
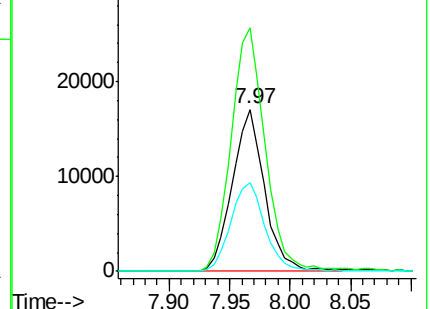
115 54.4 62.2 93.2#



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: 138.55 ng

RT: 5.51 min Scan# 455

Delta R.T. -0.03 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

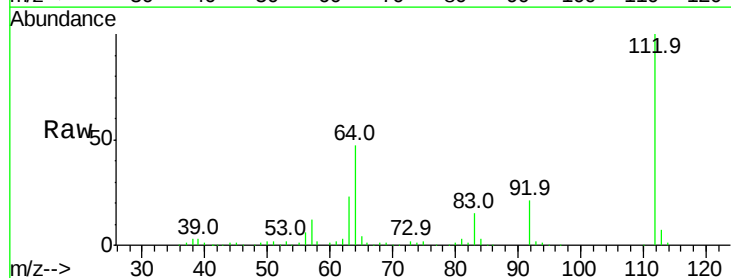
Tgt Ion:112 Resp: 228227

Ion Ratio Lower Upper

112 100

64 47.3 51.1 76.7#

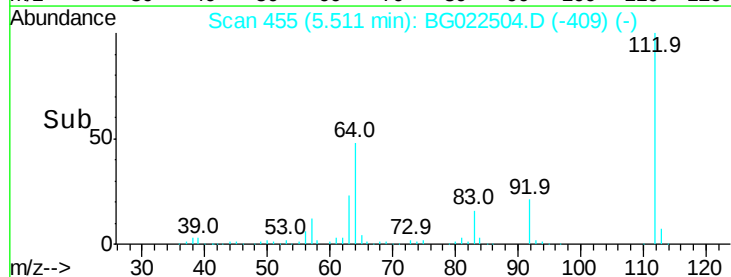
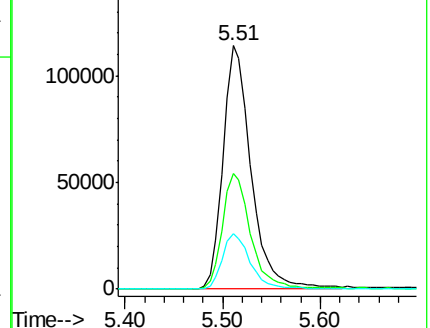
63 22.9 24.6 37.0#

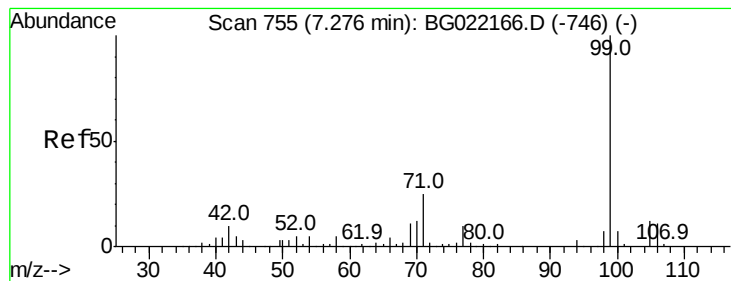


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 150.68 ng

RT: 7.15 min Scan# 734

Delta R.T. -0.03 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampleId :

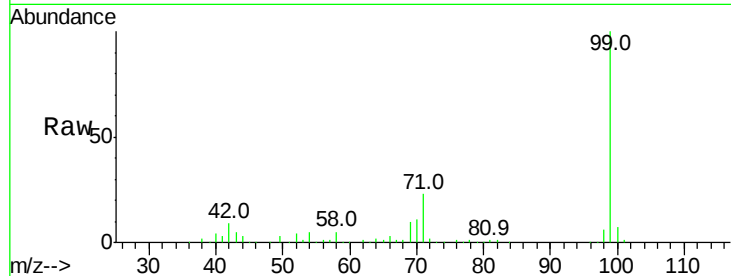
Tot Ion: 99 Resp: 390233

Ion Ratio Lower Upper

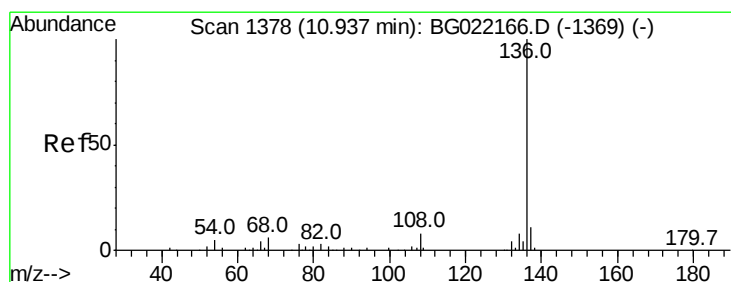
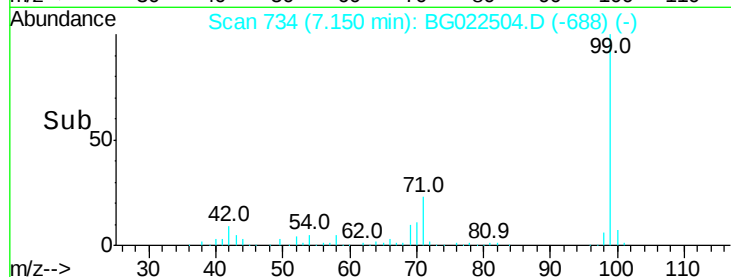
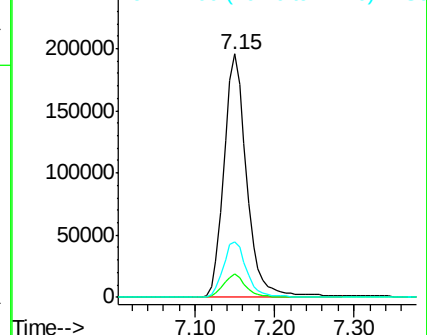
99 100

42 9.4 16.4 24.6#

71 22.8 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: 10.79 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Tgt Ion: 136 Resp: 189304

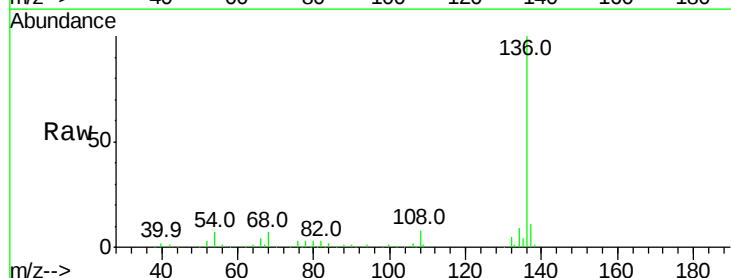
Ion Ratio Lower Upper

136 100

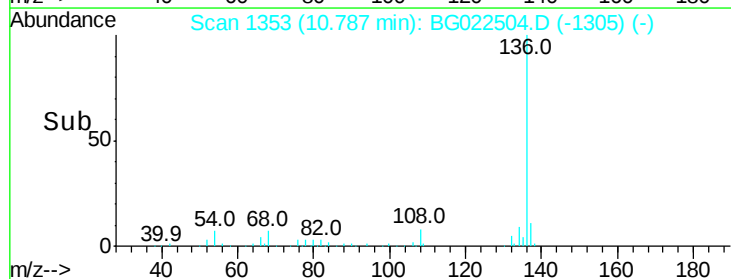
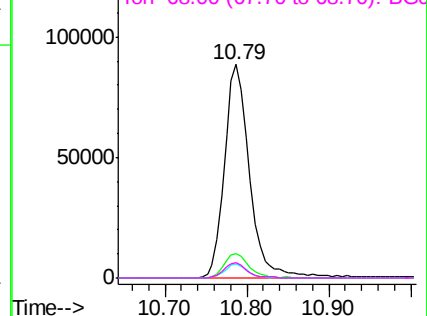
137 11.2 9.0 13.4

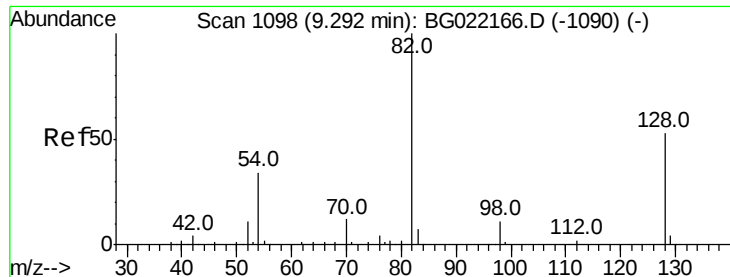
54 6.6 9.6 14.4#

68 7.1 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

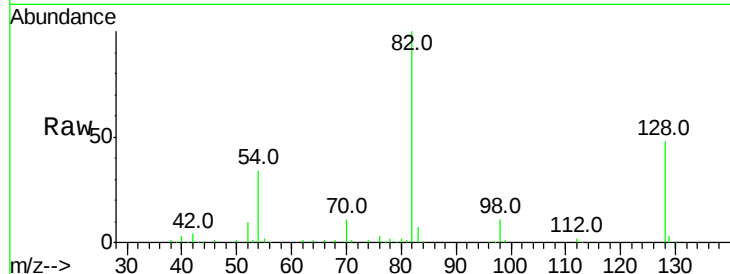




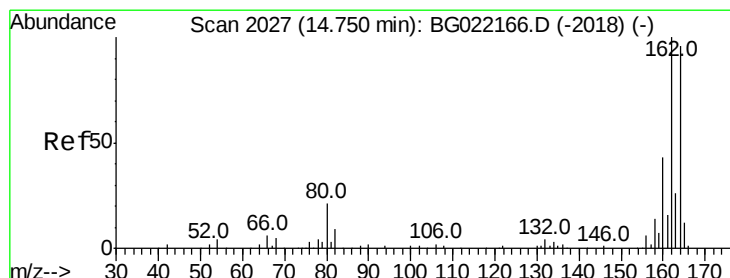
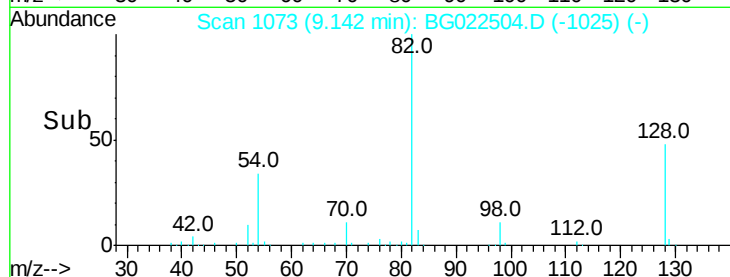
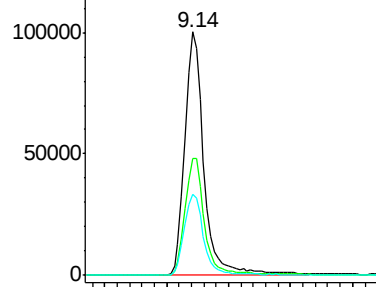
#23
 Nitrobenzene-d5
 Concen: 79.47 ng
 RT: 9.14 min Scan# 1073
 Delta R.T. -0.02 min
 Lab File: BG022504.D
 Acq: 23 Jun 2016 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 215773
 Ion Ratio Lower Upper
 82 100
 128 47.9 33.4 50.0
 54 33.6 46.1 69.1#

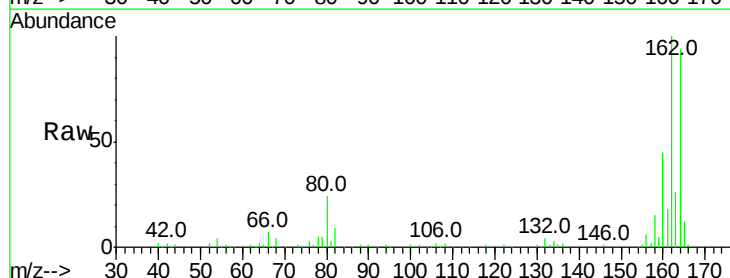


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

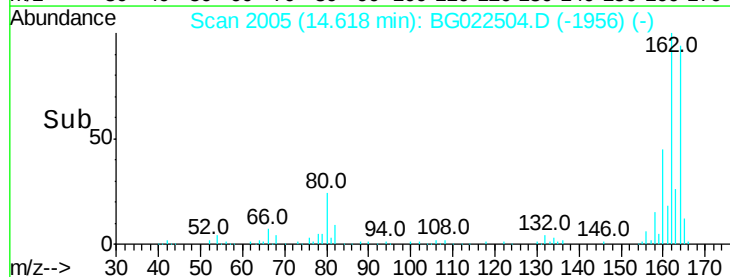
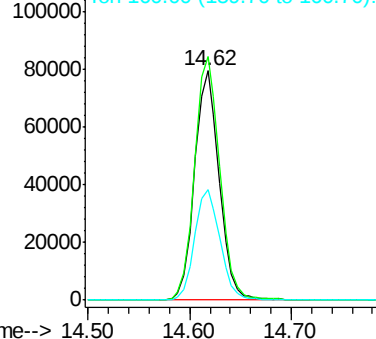


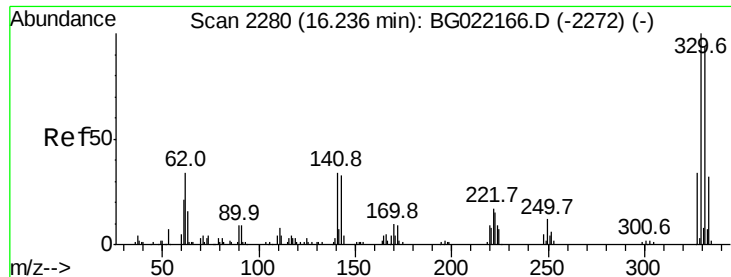
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.62 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BG022504.D
 Acq: 23 Jun 2016 4:29

Tgt Ion:164 Resp: 133332
 Ion Ratio Lower Upper
 164 100
 162 106.3 78.0 117.0
 160 48.2 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: 78.60 ng

RT: 16.11 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampled :

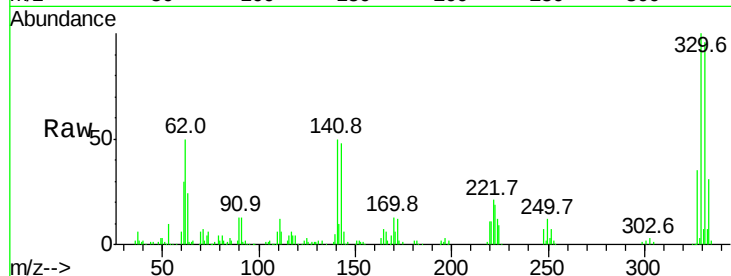
Tot Ion:330 Resp: 118413

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

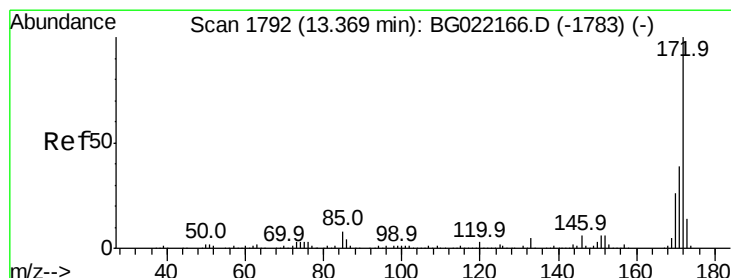
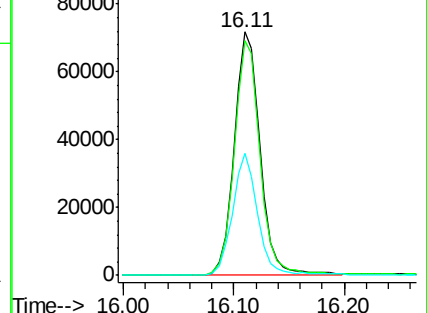
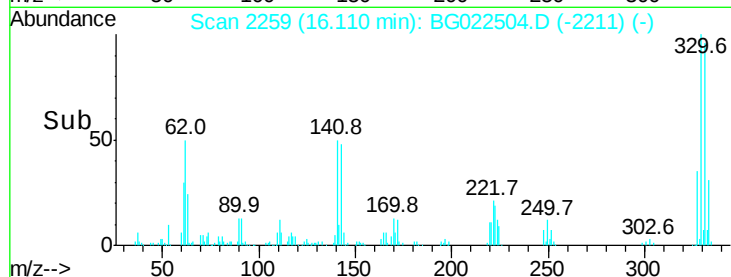
141 48.6 33.8 50.8



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: 71.79 ng

RT: 13.24 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

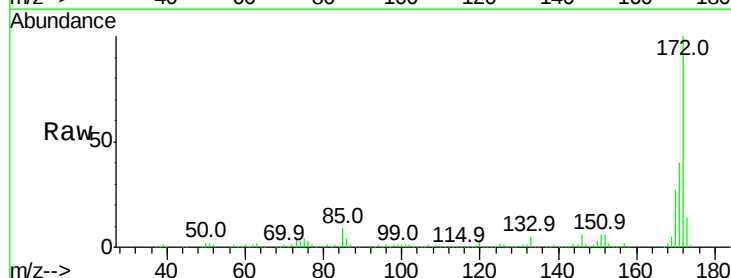
Tgt Ion:172 Resp: 628093

Ion Ratio Lower Upper

172 100

171 40.3 27.8 41.6

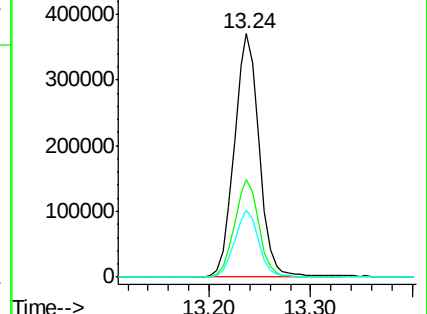
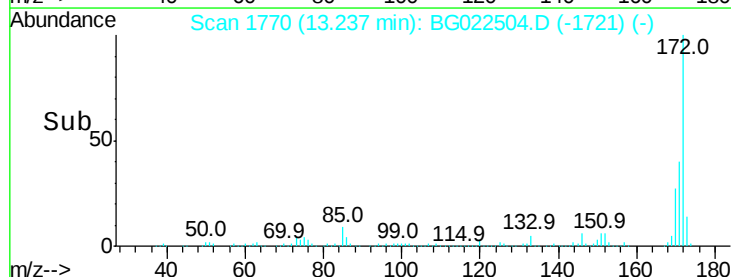
170 27.4 19.6 29.4

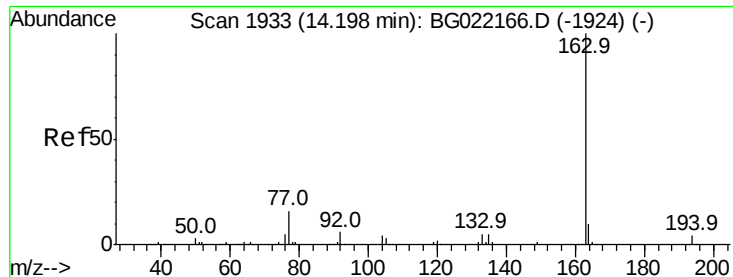


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.36 ng

RT: 14.07 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG022504.D

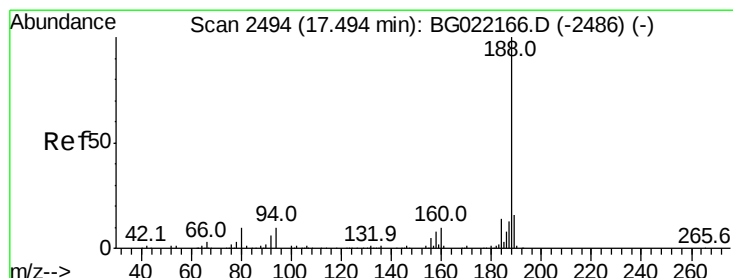
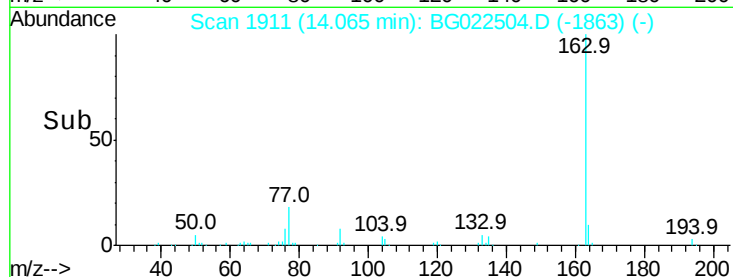
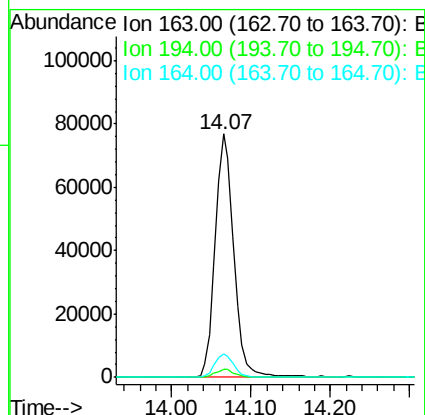
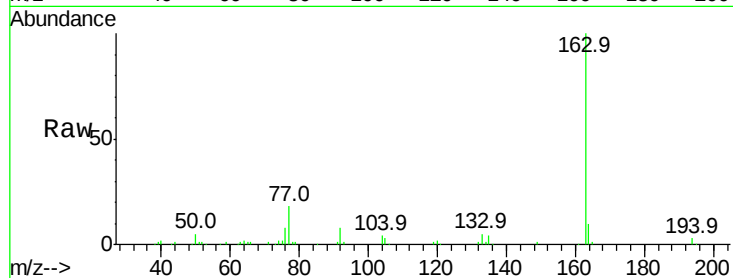
Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampled :

Tot Ion:	163	Resp:	125631
Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.6
164	9.9	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

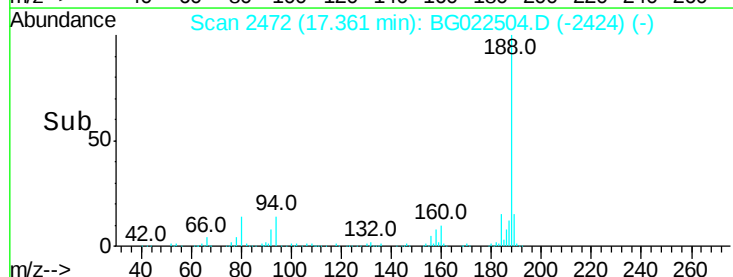
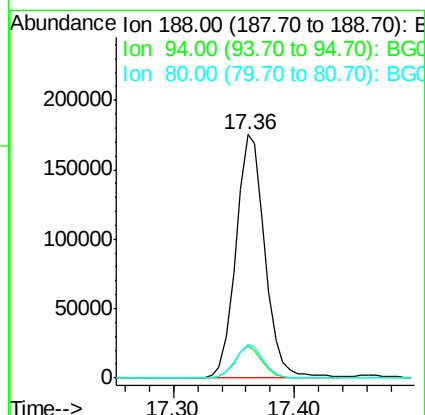
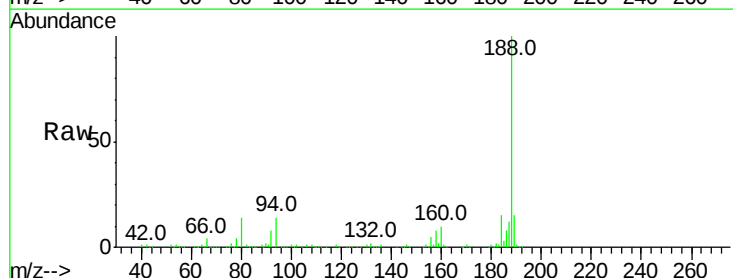
RT: 17.36 min Scan# 2472

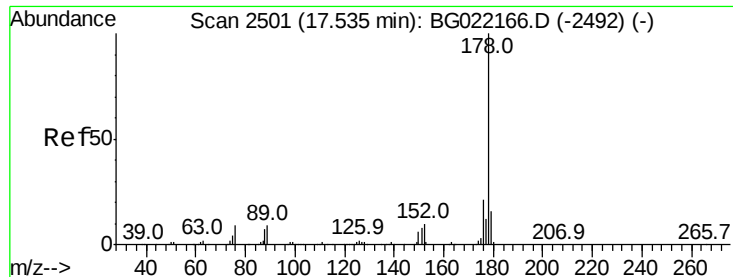
Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Tgt Ion:	188	Resp:	292064
Ion	Ratio	Lower	Upper
188	100		
94	13.5	7.5	11.3#
80	13.6	8.6	13.0#





#70

Phenanthrene

Concen: 10.61 ng

RT: 17.40 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampleId :

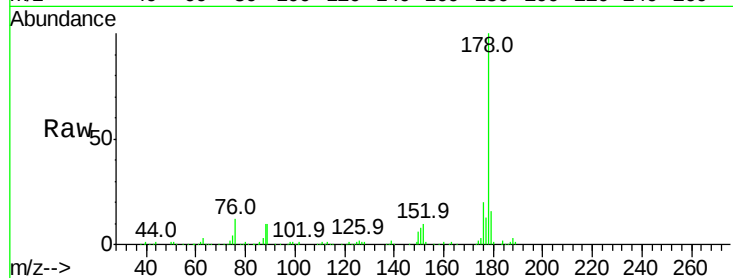
Tot Ion:178 Resp: 168284

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

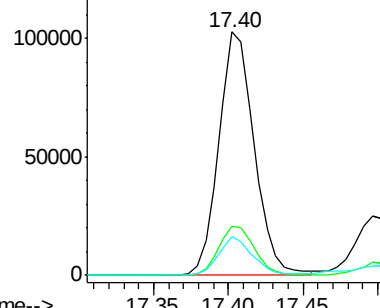
179 15.9 12.0 18.0



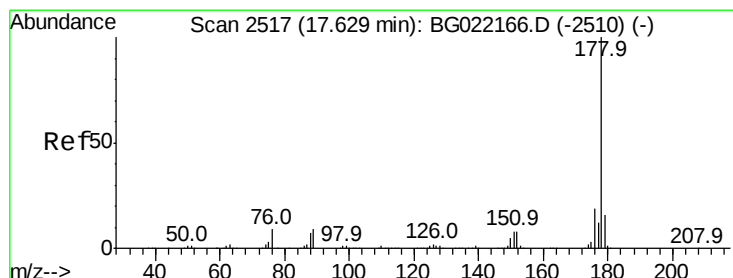
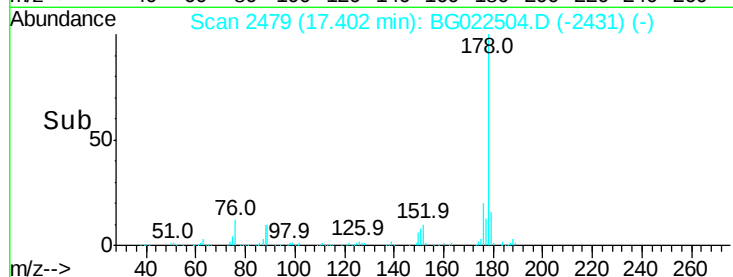
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 2.80 ng

RT: 17.50 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

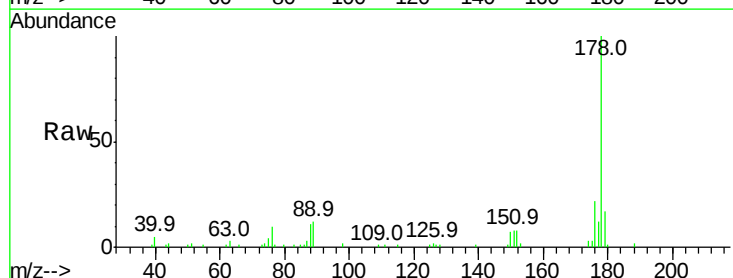
Tgt Ion:178 Resp: 44026

Ion Ratio Lower Upper

178 100

176 21.9 15.0 22.4

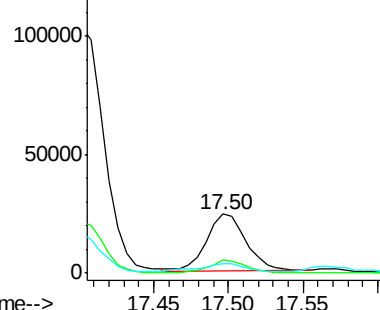
179 16.9 12.2 18.4



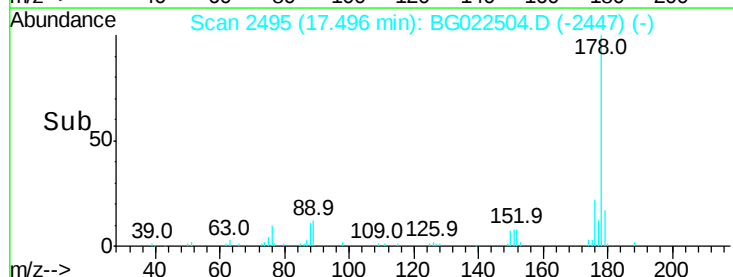
Abundance Ion 178.00 (177.70 to 178.70): E

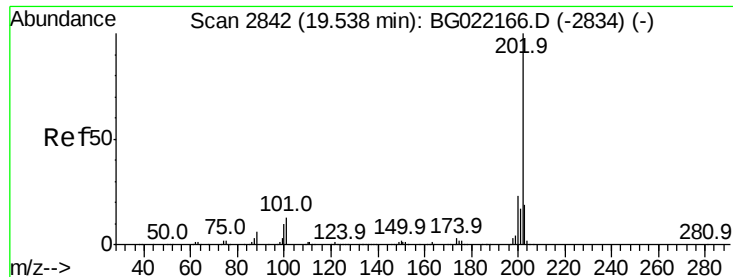
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 15.14 ng

RT: 19.41 min Scan# 2821

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampleId :

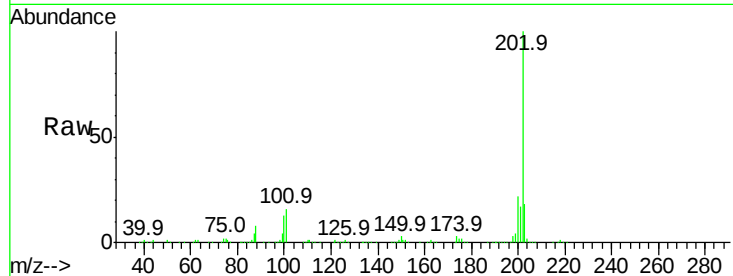
Tot Ion:202 Resp: 276172

Ion Ratio Lower Upper

202 100

101 16.0 0.0 31.0

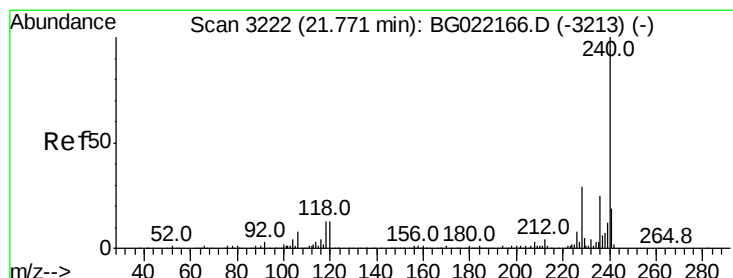
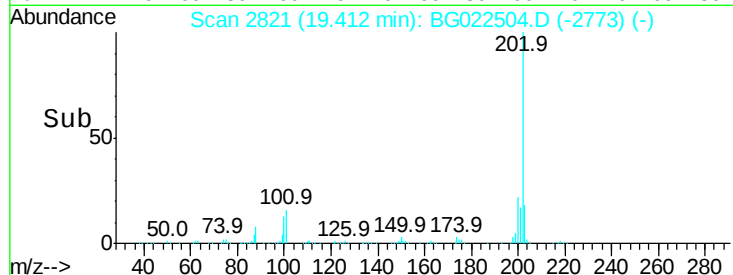
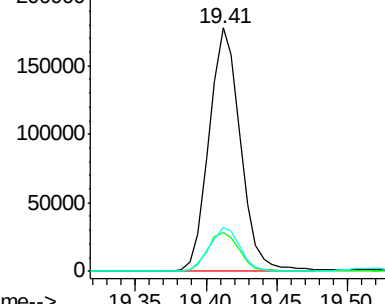
203 18.0 0.0 37.9



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: 21.62 min Scan# 3197

Delta R.T. -0.02 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

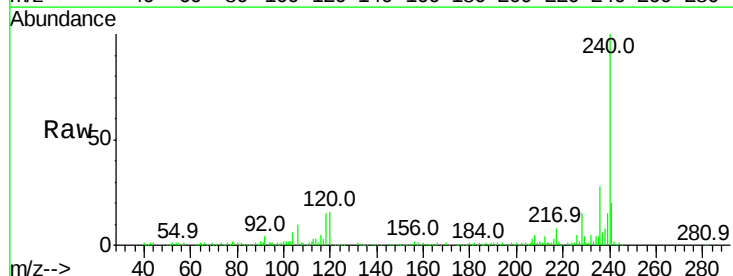
Tgt Ion:240 Resp: 170548

Ion Ratio Lower Upper

240 100

120 15.8 8.4 12.6#

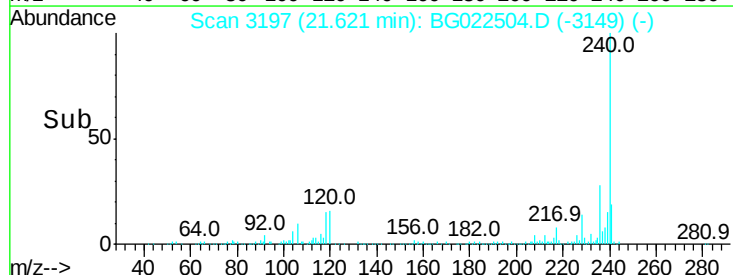
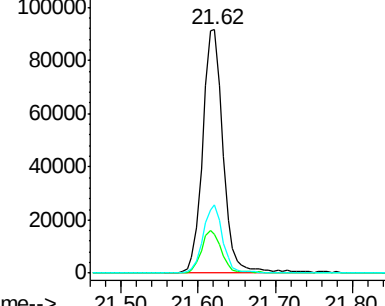
236 28.1 19.6 29.4

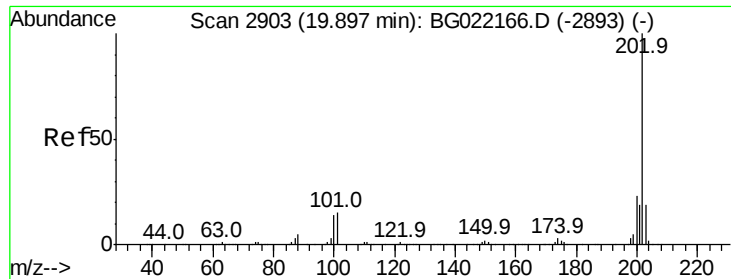


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.16 ng

RT: 19.78 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampleId :

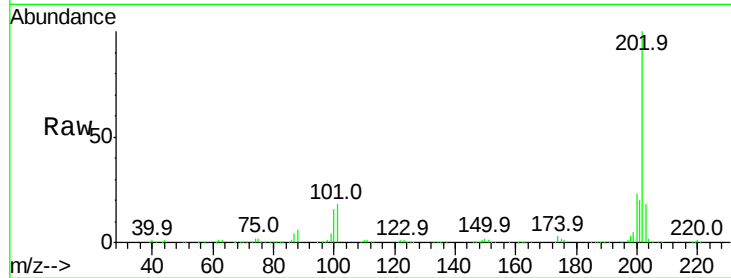
Tot Ion:202 Resp: 213728

Ion Ratio Lower Upper

202 100

200 22.6 18.2 27.2

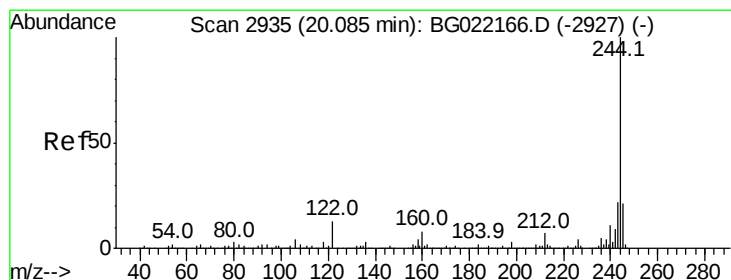
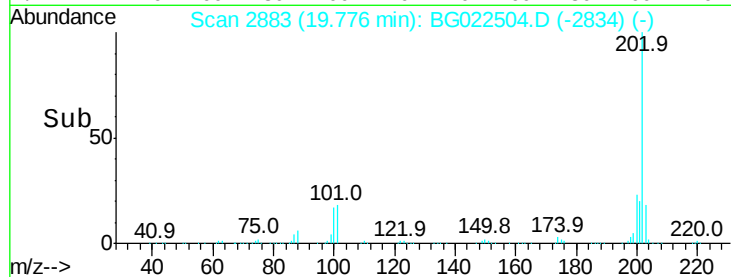
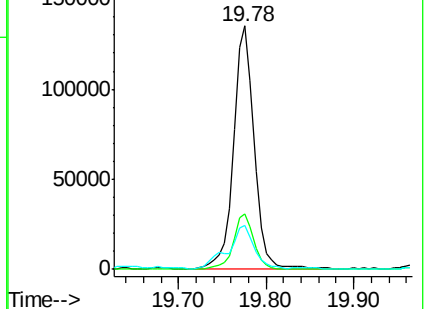
203 17.8 15.0 22.4



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: 99.10 ng

RT: 19.96 min Scan# 2915

Delta R.T. -0.01 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

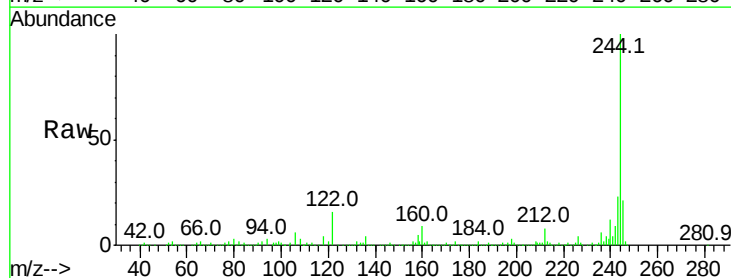
Tgt Ion:244 Resp: 711936

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

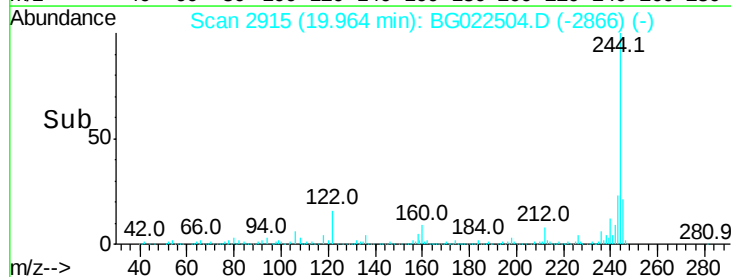
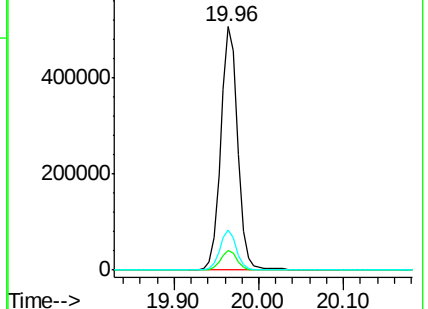
122 16.3 8.6 12.8#

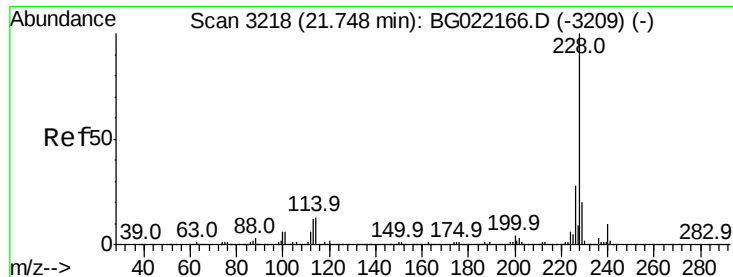


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

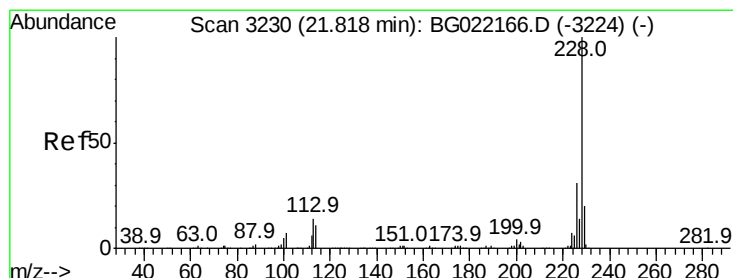
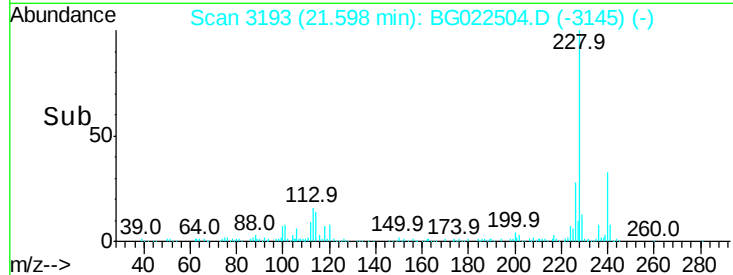
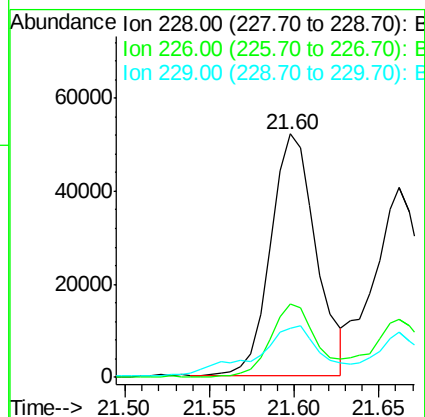
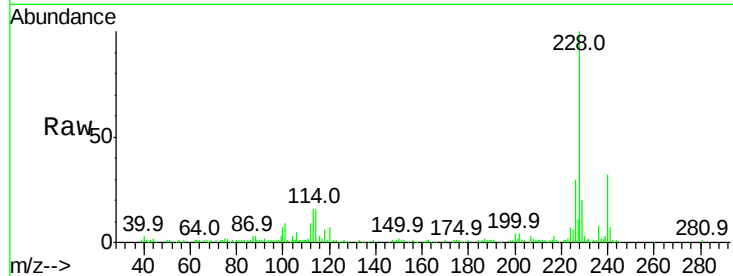




#80
Benzo(a)anthracene
Concen: 10.12 ng
RT: 21.60 min Scan# 3193
Delta R.T. -0.02 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

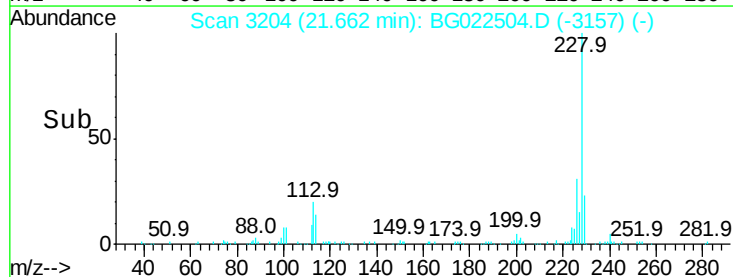
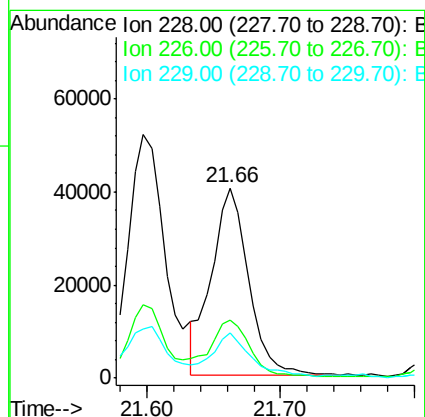
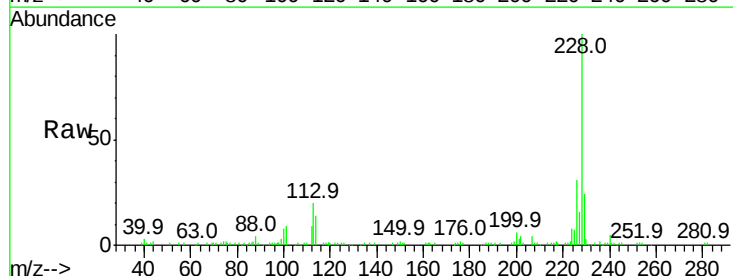
Instrument :
BNA_G
ClientSampleId :

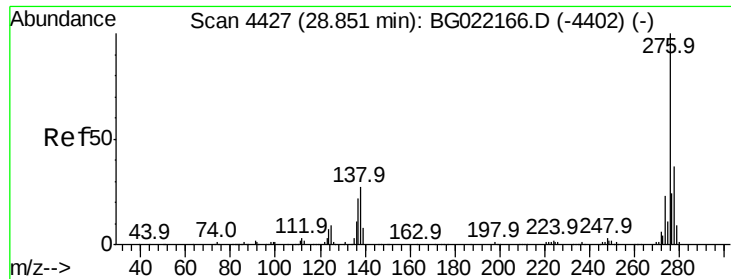
Tot Ion:228 Resp: 96777
Ion Ratio Lower Upper
228 100
226 30.3 22.6 34.0
229 20.0 16.1 24.1



#82
Chrysene
Concen: 8.46 ng
RT: 21.66 min Scan# 3204
Delta R.T. -0.03 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion:228 Resp: 78719
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.0
229 23.8 15.9 23.9

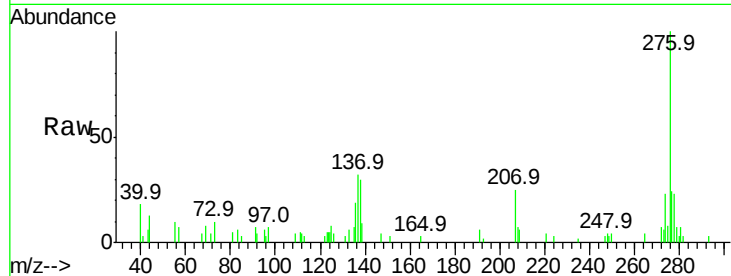




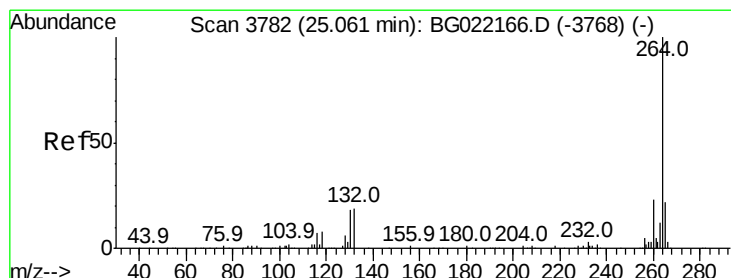
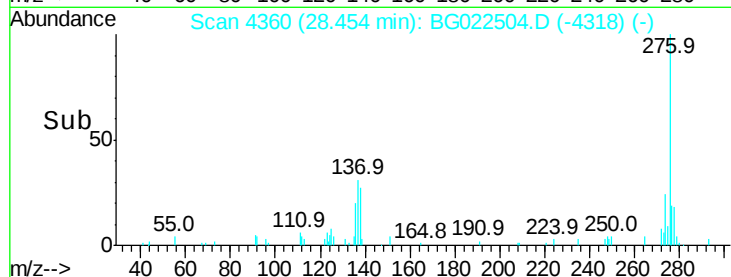
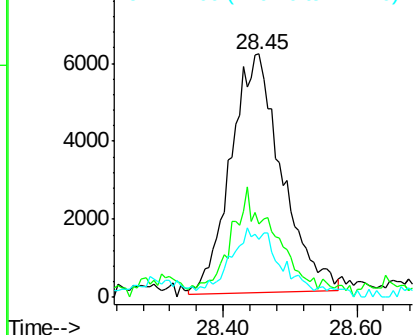
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.11 ng
RT: 28.45 min Scan# 4360
Delta R.T. -0.06 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:276 Resp: 32514
Ion Ratio Lower Upper
276 100
138 36.2 14.0 21.0#
277 22.4 20.6 30.8

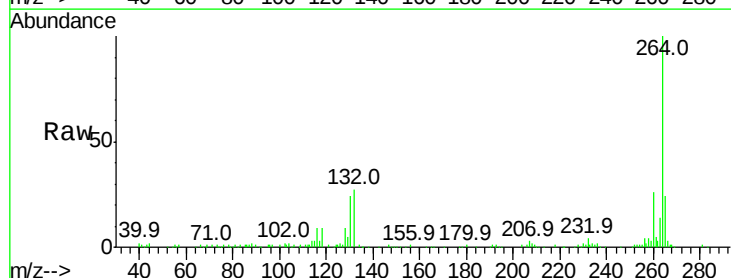


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

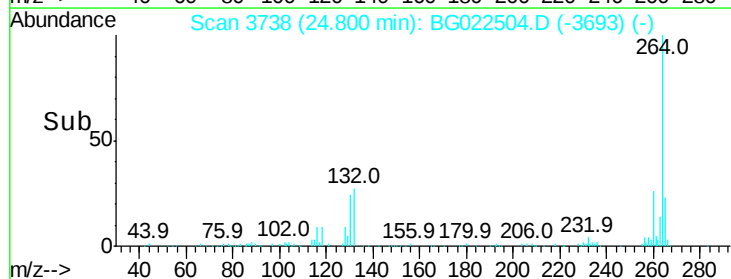
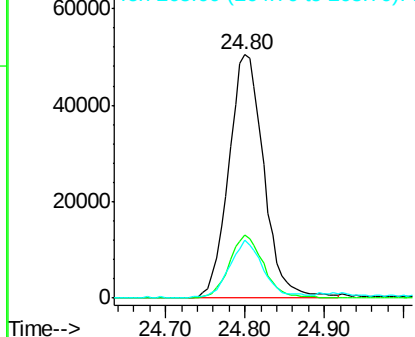


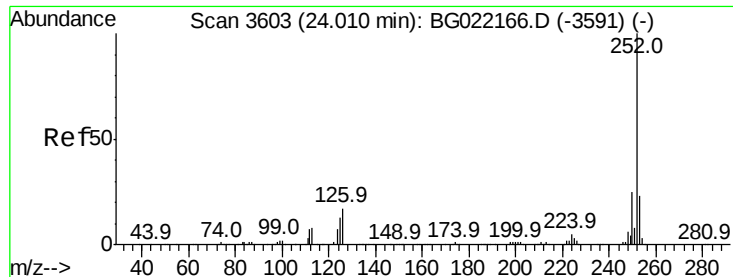
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.80 min Scan# 3738
Delta R.T. -0.04 min
Lab File: BG022504.D
Acq: 23 Jun 2016 4:29

Tgt Ion:264 Resp: 154669
Ion Ratio Lower Upper
264 100
260 26.1 20.2 30.4
265 23.7 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: 9.72 ng

RT: 23.79 min Scan# 3567

Delta R.T. -0.03 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampleId :

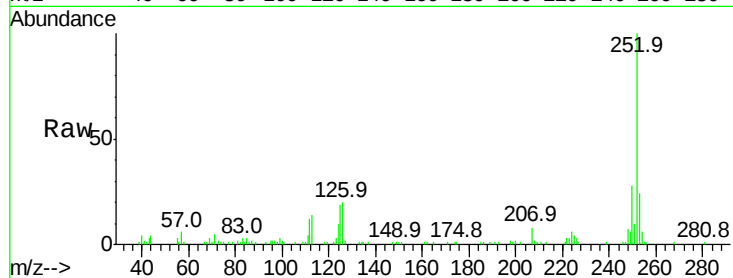
Tot Ion:252 Resp: 87683

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

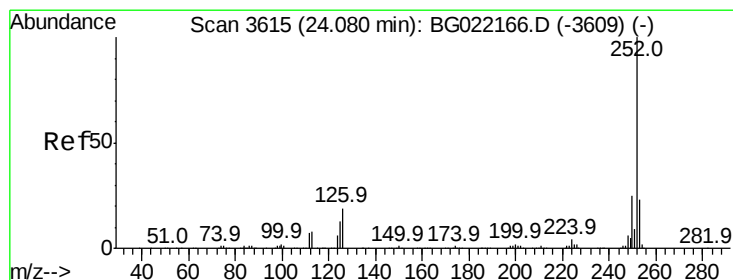
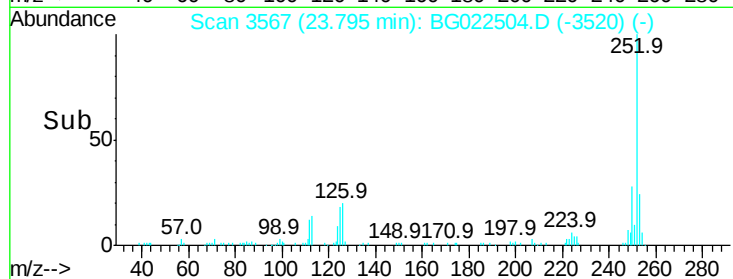
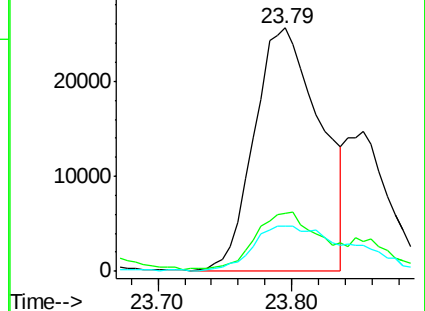
125 18.6 8.6 13.0#



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: 9.87 ng

RT: 23.79 min Scan# 3567

Delta R.T. -0.09 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

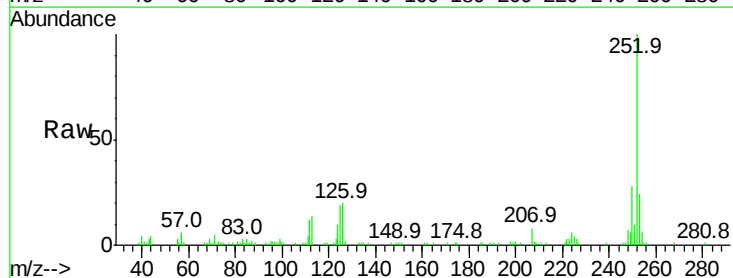
Tgt Ion:252 Resp: 87683

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

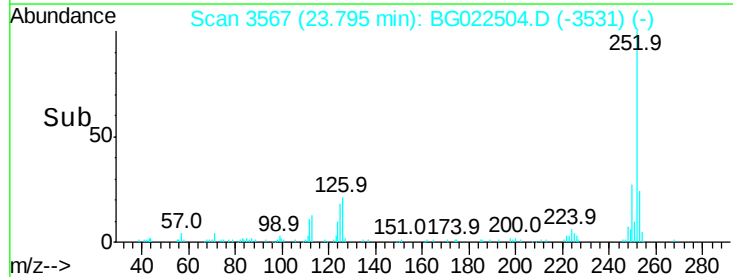
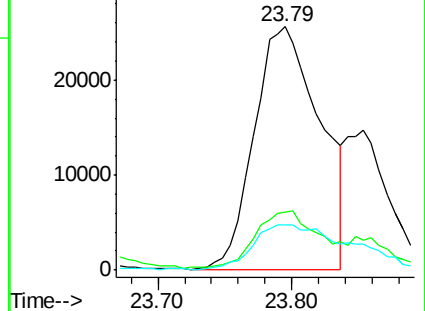
125 18.6 8.3 12.5#

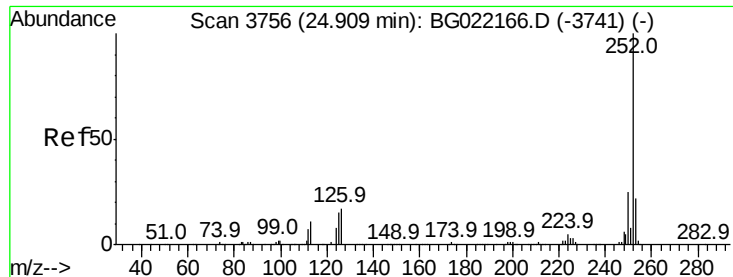


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.16 ng

RT: 24.65 min Scan# 3713

Delta R.T. -0.04 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

Instrument :

BNA_G

ClientSampled :

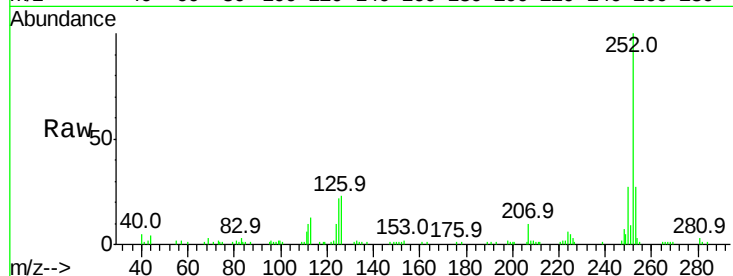
Tot Ion:252 Resp: 61752

Ion Ratio Lower Upper

252 100

253 26.7 17.1 25.7#

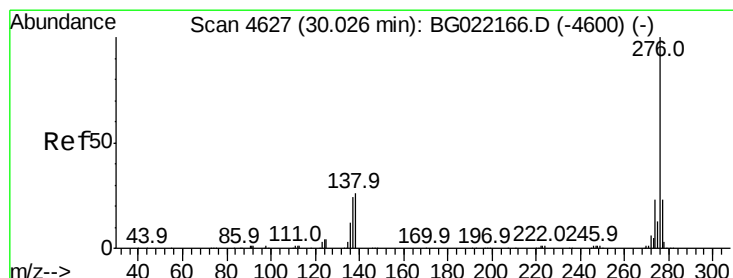
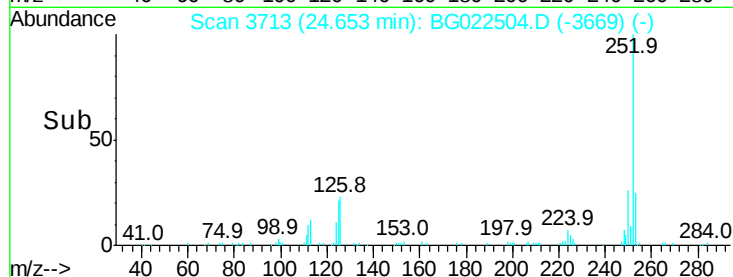
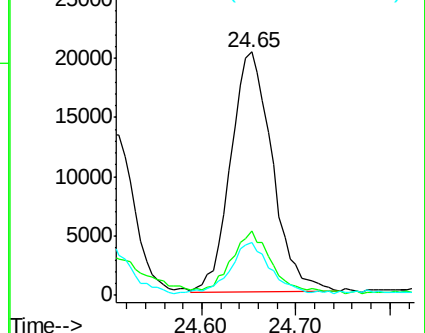
125 21.7 9.6 14.4#



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: 3.83 ng

RT: 29.58 min Scan# 4552

Delta R.T. -0.08 min

Lab File: BG022504.D

Acq: 23 Jun 2016 4:29

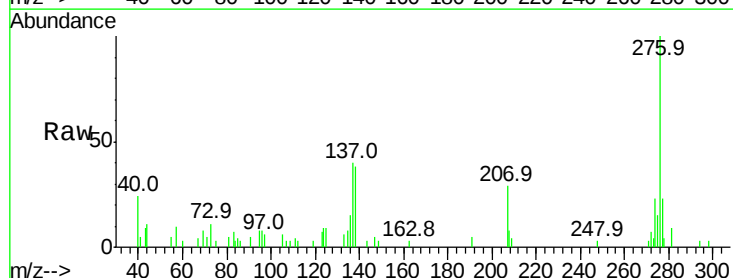
Tgt Ion:276 Resp: 32373

Ion Ratio Lower Upper

276 100

277 22.8 19.4 29.2

138 38.4 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

