

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
 Data File : BG016769.D
 Acq On : 28 Apr 2015 17:51
 Operator : TP/IZ
 Sample : G1991-12 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-74S

Quant Time: Apr 29 01:29:59 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 00:55:31 2015
 Response via : Initial Calibration

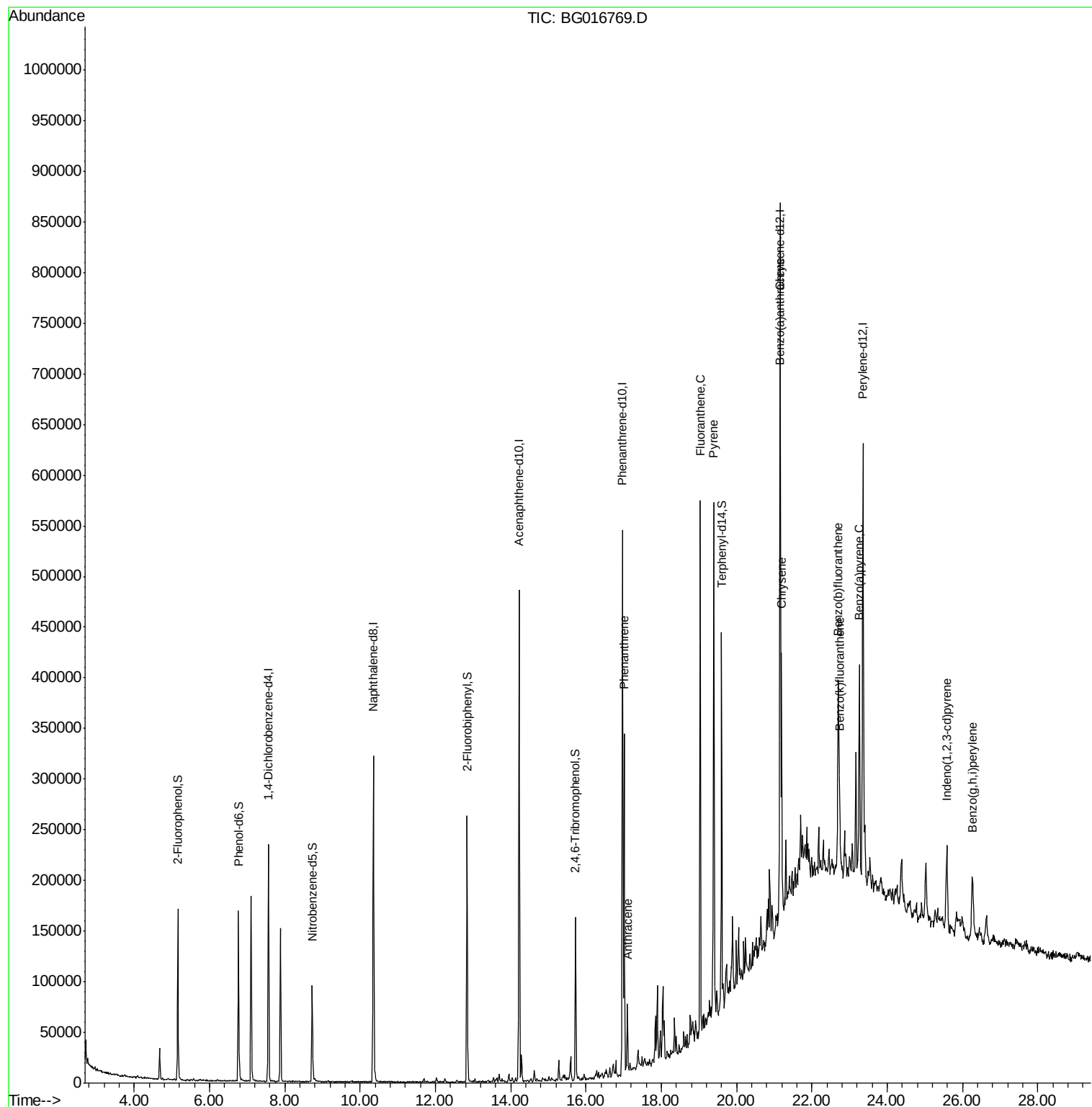
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	67455	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	288664	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163586	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	297706	20.00	ng	0.00
75) Chrysene-d12	21.16	240	258579	20.00	ng	0.00
86) Perylene-d12	23.36	264	253904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	90473	21.76	ng	0.00
7) Phenol-d6	6.77	99	119345	20.47	ng	0.00
23) Nitrobenzene-d5	8.73	82	60324	13.20	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	24684	20.34	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	145208	14.26	ng	0.00
78) Terphenyl-d14	19.60	244	143215	12.76	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.01	178	187368	10.96	ng	98
71) Anthracene	17.11	178	41173	2.42	ng	97
74) Fluoranthene	19.03	202	283176	15.63	ng	96
77) Pyrene	19.40	202	275385	15.16	ng	99
80) Benzo(a)anthracene	21.14	228	124756	7.96	ng	98
82) Chrysene	21.20	228	118294	7.87	ng	97
85) Indeno(1,2,3-cd)pyrene	25.58	276	66248	4.04	ng	91
87) Benzo(b)fluoranthene	22.70	252	145016m	9.40	ng	
88) Benzo(k)fluoranthene	22.74	252	41616m	2.77	ng	
89) Benzo(a)pyrene	23.26	252	112963	7.77	ng	97
91) Benzo(g,h,i)perylene	26.27	276	70600	4.91	ng	96

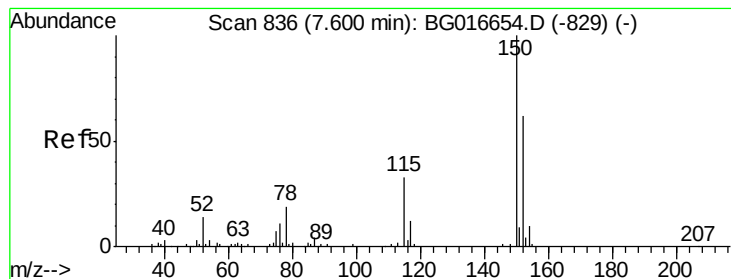
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 29 00:55:31 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampled :

SB-74S

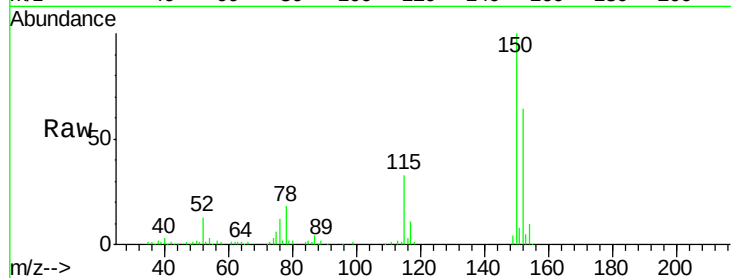
Tot Ion:152 Resp: 67455

Ion Ratio Lower Upper

152 100

150 155.6 129.6 194.4

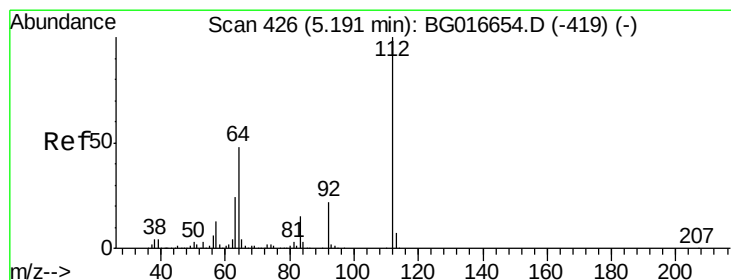
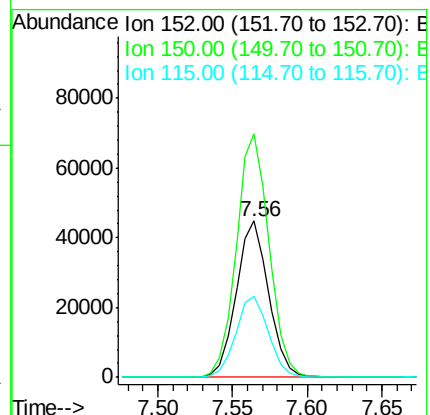
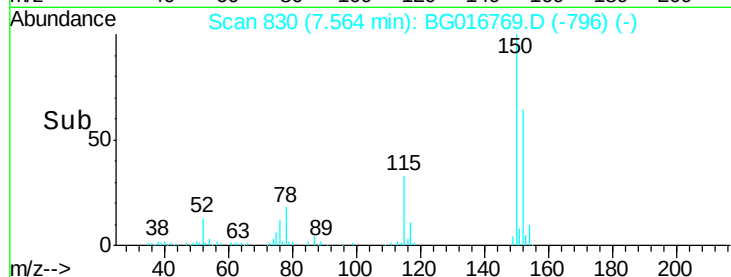
115 51.8 43.0 64.6



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: 21.76 ng

RT: 5.16 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

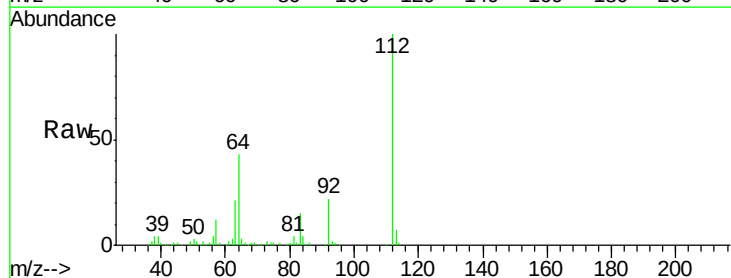
Tgt Ion:112 Resp: 90473

Ion Ratio Lower Upper

112 100

64 42.6 38.3 57.5

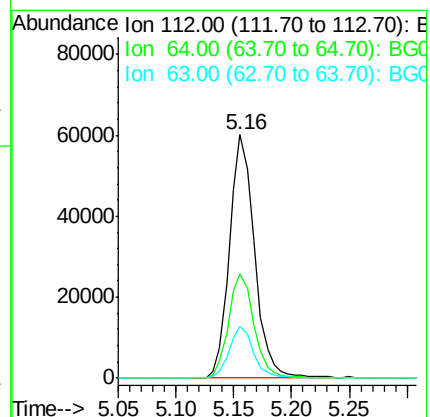
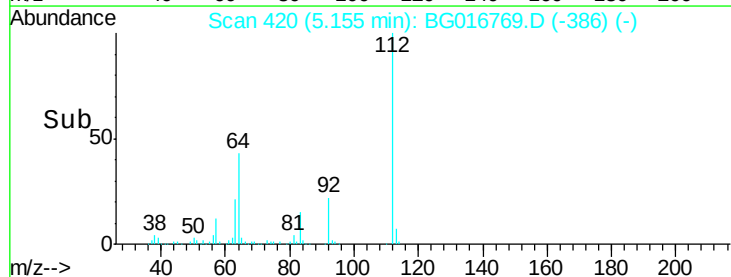
63 21.1 18.9 28.3

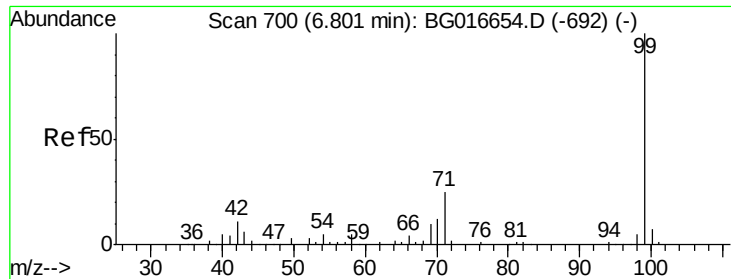


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 20.47 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampleId :

SB-74S

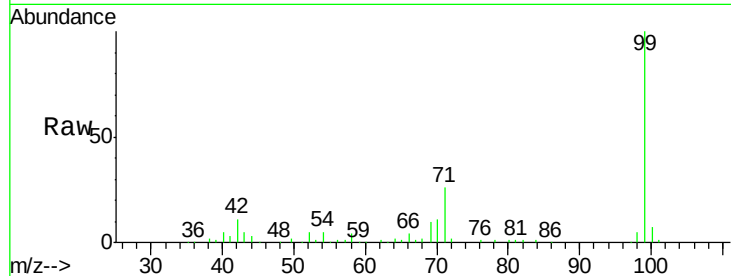
Tot Ion: 99 Resp: 119345

Ion Ratio Lower Upper

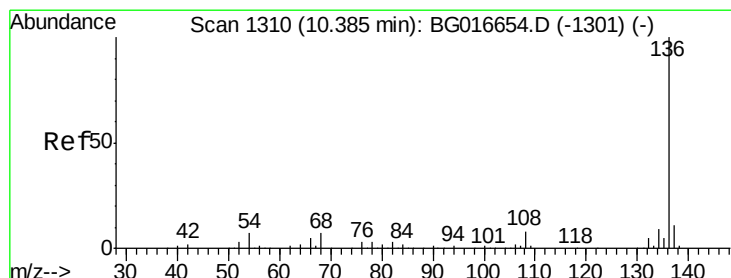
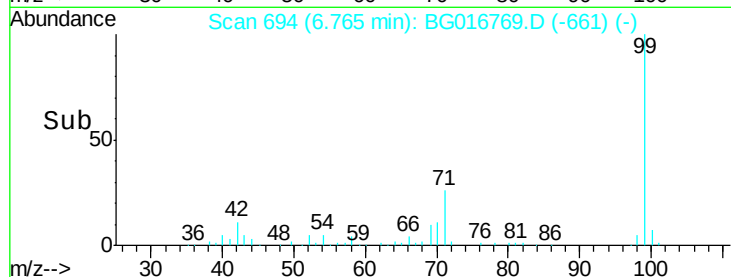
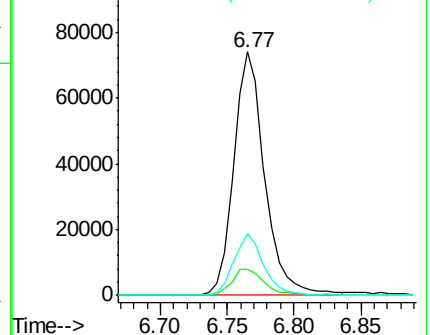
99 100

42 10.9 8.8 13.2

71 25.7 19.9 29.9



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: 10.35 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Tgt Ion: 136 Resp: 288664

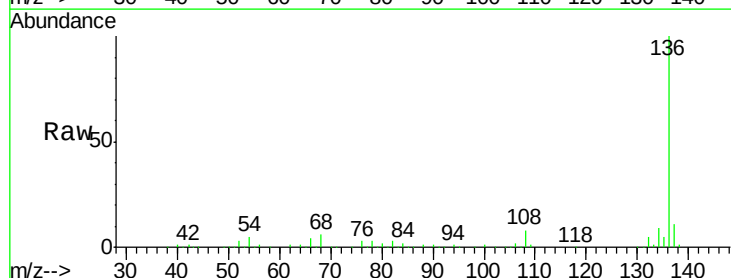
Ion Ratio Lower Upper

136 100

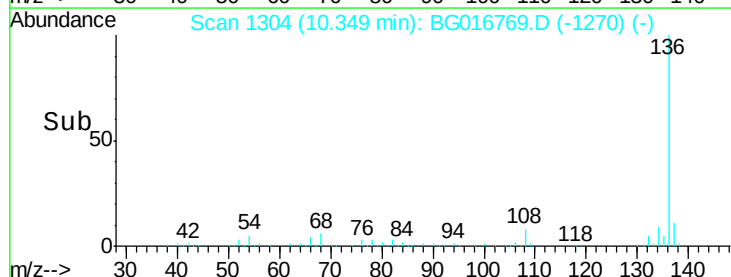
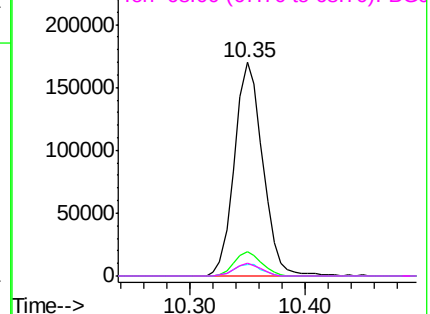
137 11.1 8.5 12.7

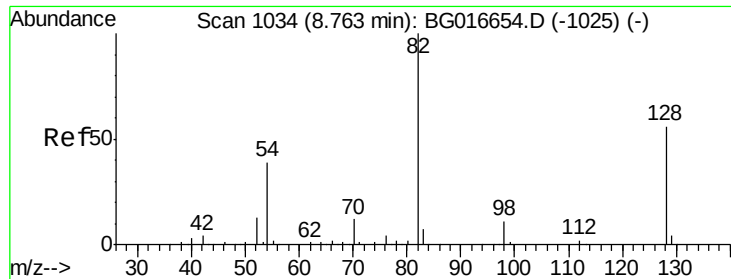
54 5.5 5.4 8.2

68 5.8 5.2 7.8



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

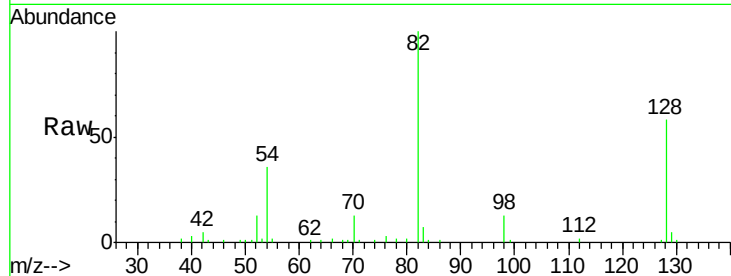




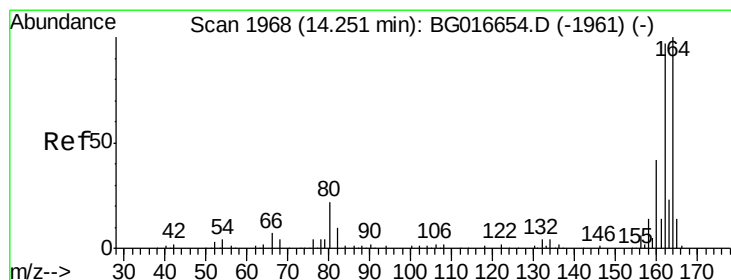
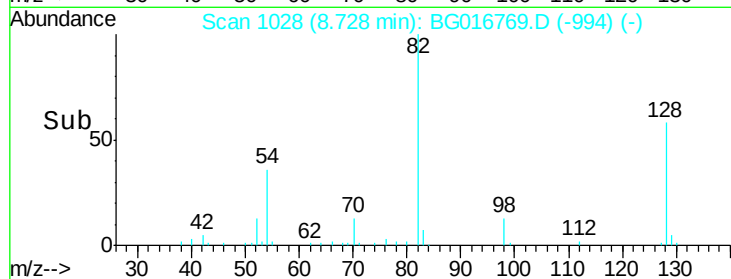
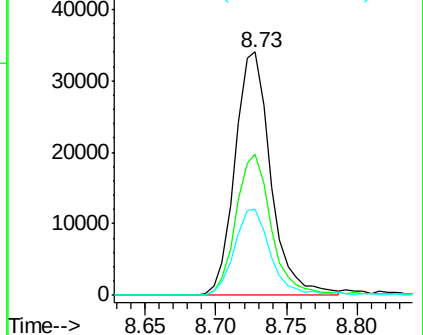
#23
 Nitrobenzene-d5
 Concen: 13.20 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016769.D
 Acq: 28 Apr 2015 17:51

Instrument :
 BNA_G
 ClientSampleID :
 SB-74S

Tot Ion: 82 Resp: 60324
 Ion Ratio Lower Upper
 82 100
 128 57.9 44.7 67.1
 54 35.7 30.9 46.3

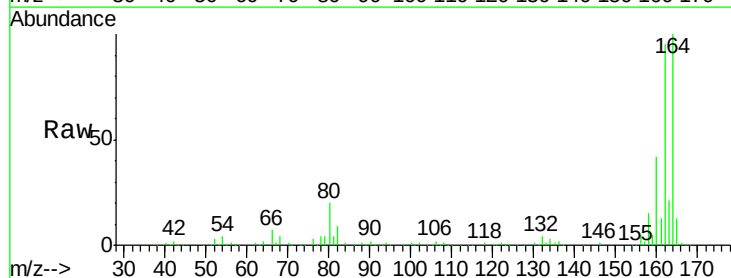


Abundance Ion 82.00 (81.70 to 82.70): BG016769.D (-994) (-)
 Ion 128.00 (127.70 to 128.70): BG016769.D (-994) (-)
 Ion 54.00 (53.70 to 54.70): BG016769.D (-994) (-)

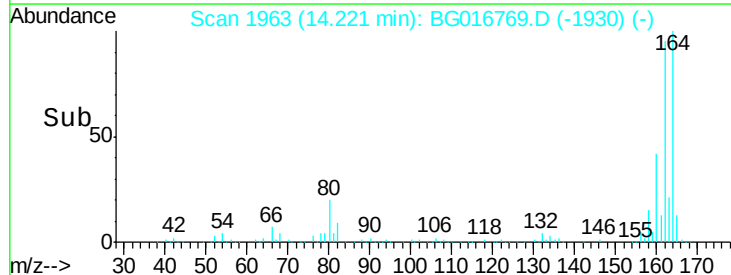
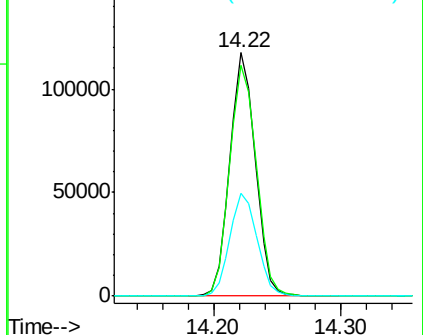


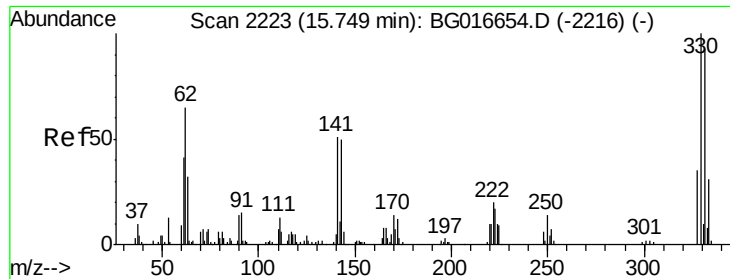
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG016769.D
 Acq: 28 Apr 2015 17:51

Tgt Ion: 164 Resp: 163586
 Ion Ratio Lower Upper
 164 100
 162 94.8 77.3 115.9
 160 42.1 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): BG016769.D (-1930) (-)
 Ion 162.00 (161.70 to 162.70): BG016769.D (-1930) (-)
 Ion 160.00 (159.70 to 160.70): BG016769.D (-1930) (-)

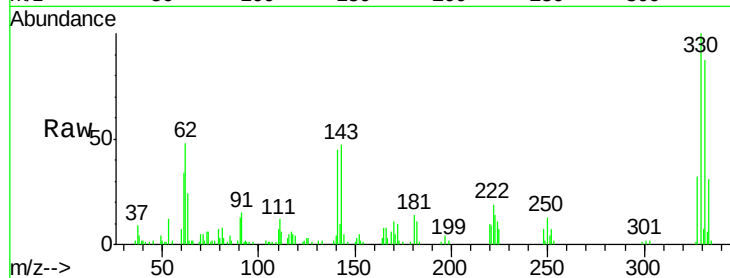




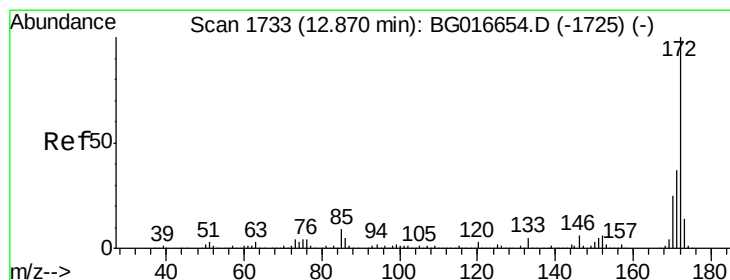
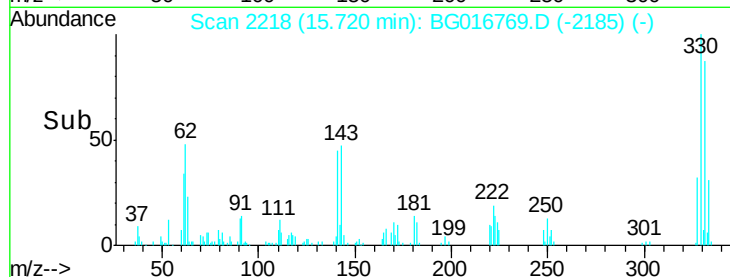
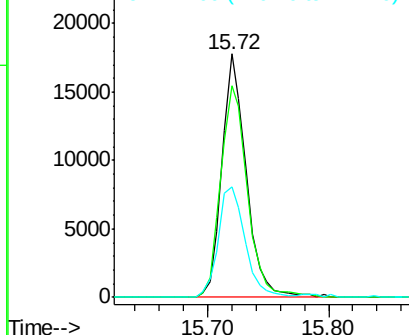
#41
 2,4,6-Tribromophenol
 Concen: 20.34 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG016769.D
 Acq: 28 Apr 2015 17:51

Instrument :
 BNA_G
 ClientSampled :
 SB-74S

Tot Ion:330 Resp: 24684
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.2 114.4
 141 50.1 43.0 64.6

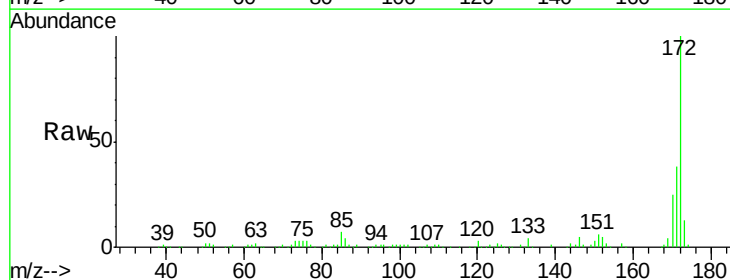


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

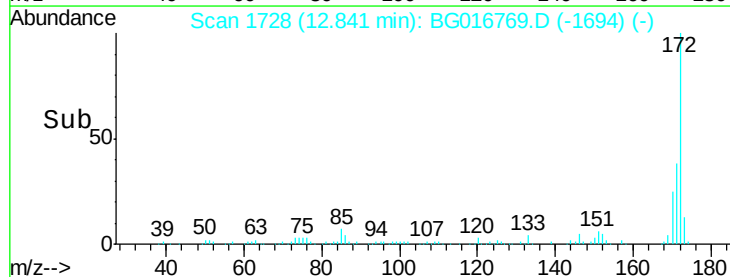
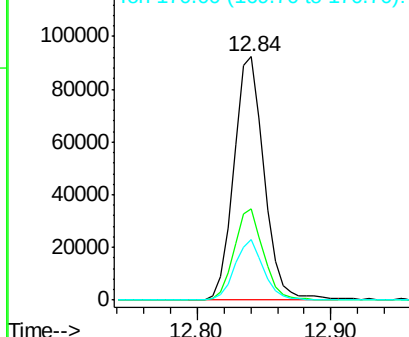


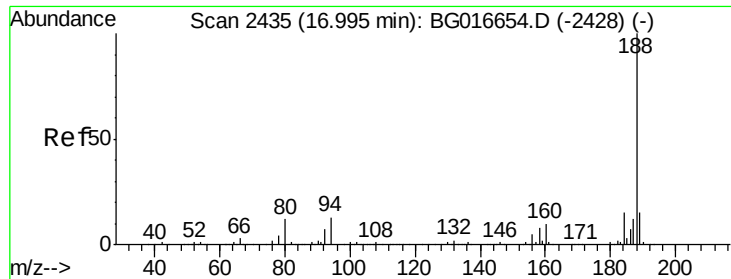
#44
 2-Fluorobiphenyl
 Concen: 14.26 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG016769.D
 Acq: 28 Apr 2015 17:51

Tgt Ion:172 Resp: 145208
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.9 44.9
 170 24.9 19.8 29.8



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

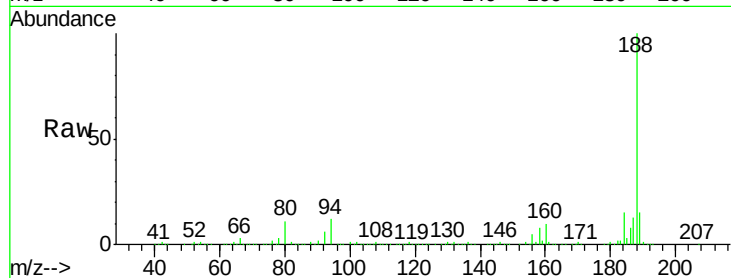




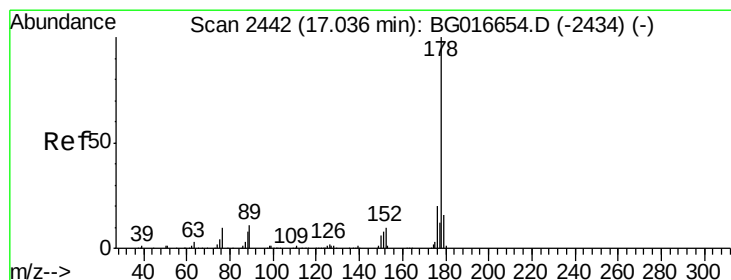
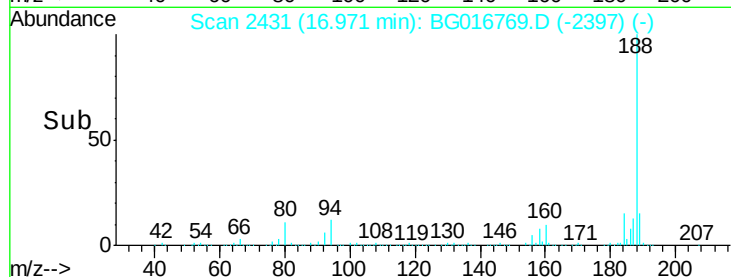
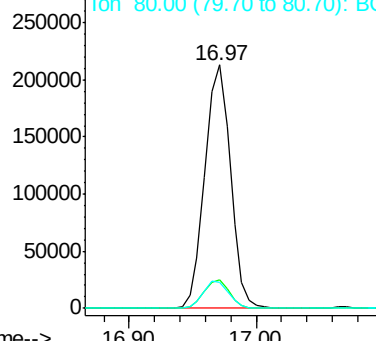
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampled :
SB-74S

Tot Ion:188 Resp: 297706
Ion Ratio Lower Upper
188 100
94 11.9 10.7 16.1
80 10.7 9.9 14.9

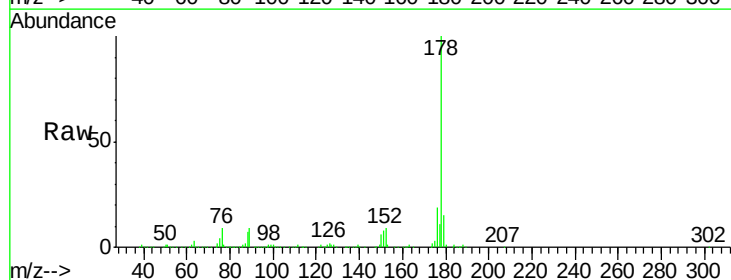


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

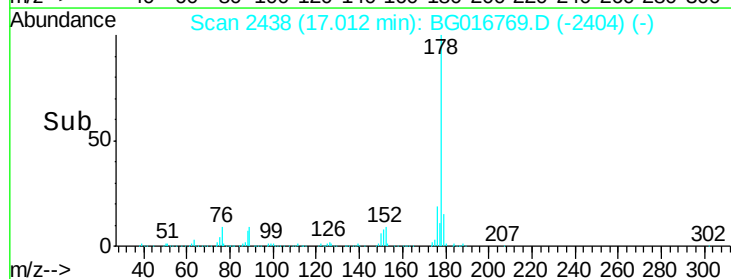
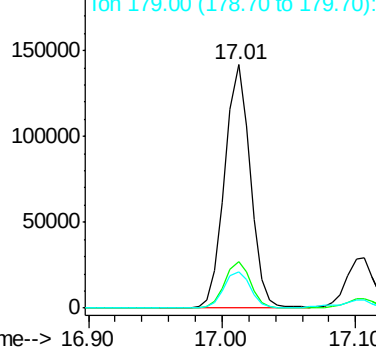


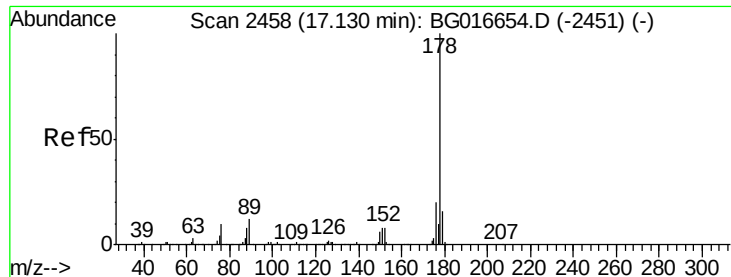
#70
Phenanthrene
Concen: 10.96 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:178 Resp: 187368
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.9 12.8 19.2



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: 2.42 ng

RT: 17.11 min Scan# 2454

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampleId :

SB-74S

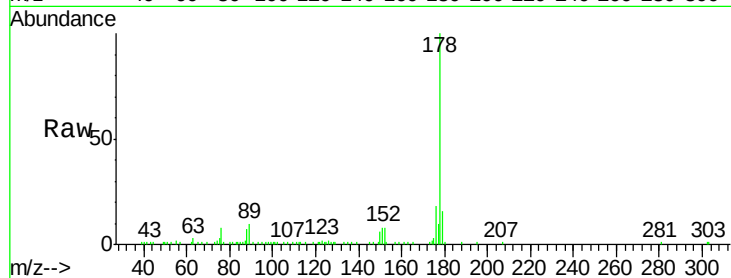
Tot Ion:178 Resp: 41173

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

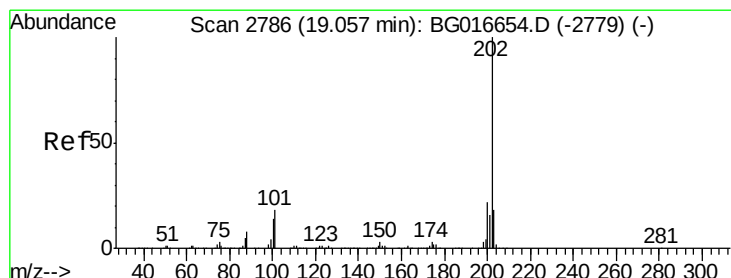
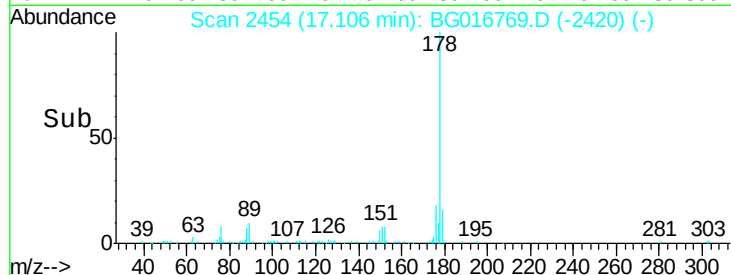
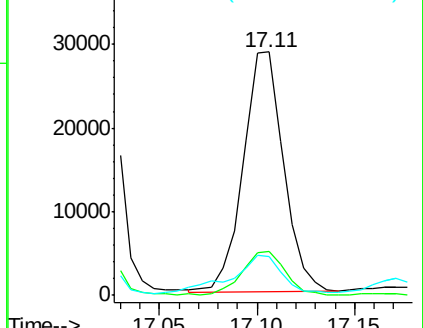
179 15.8 12.9 19.3



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: 15.63 ng

RT: 19.03 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

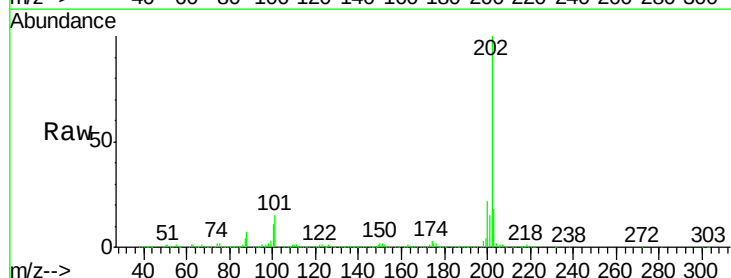
Tgt Ion:202 Resp: 283176

Ion Ratio Lower Upper

202 100

101 14.9 0.0 38.1

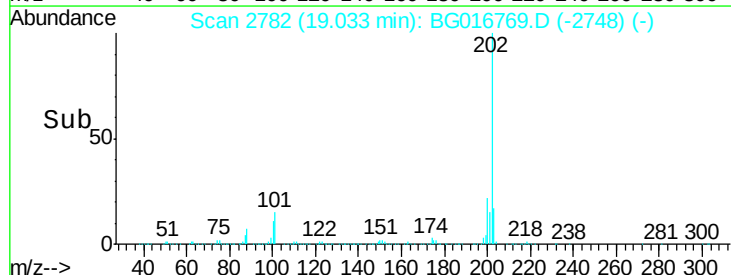
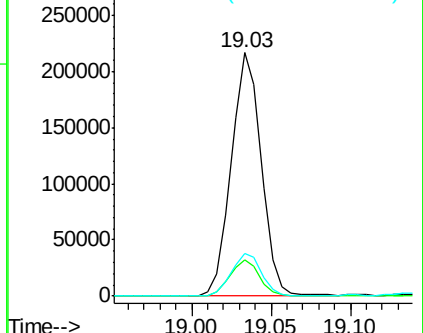
203 17.7 0.0 38.4

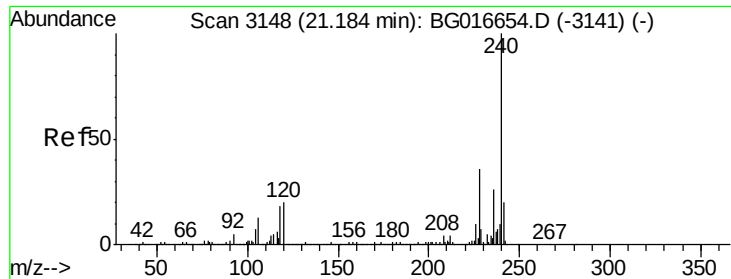


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

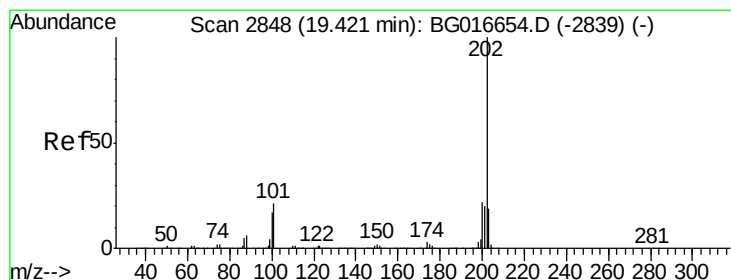
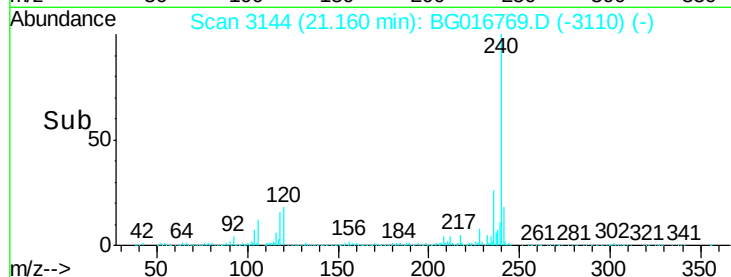
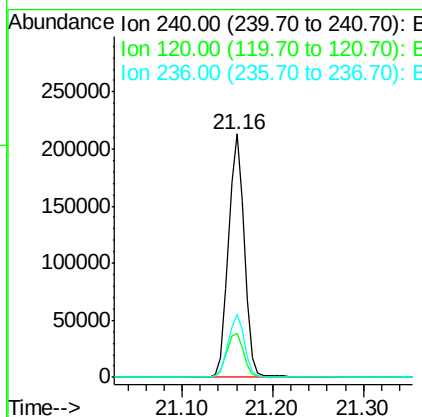
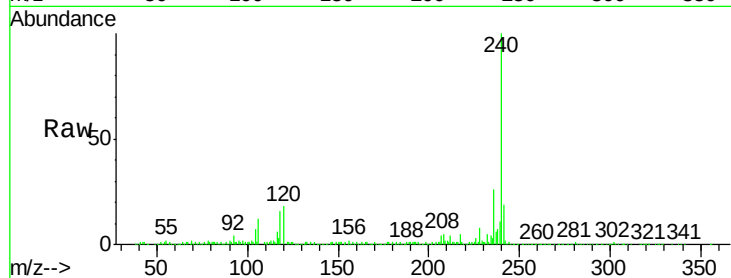




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.16 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

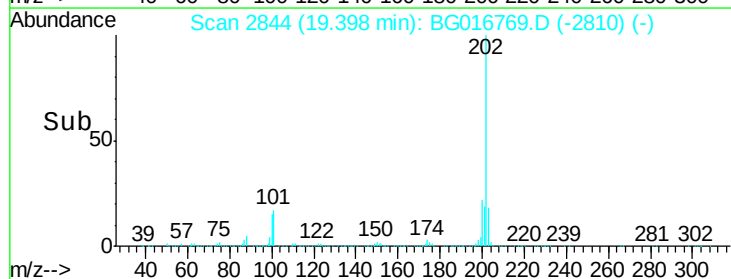
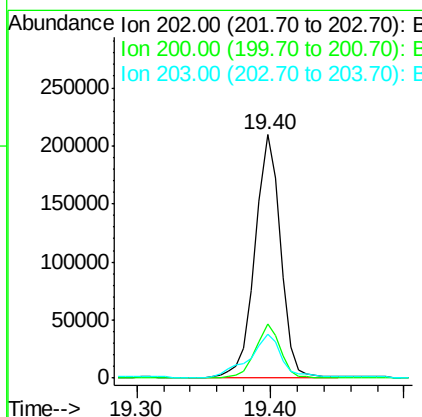
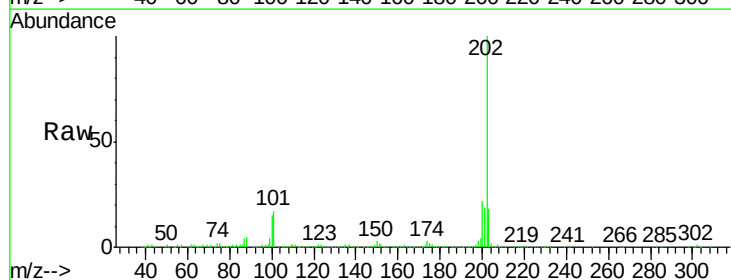
Instrument :
BNA_G
ClientSampleId :
SB-74S

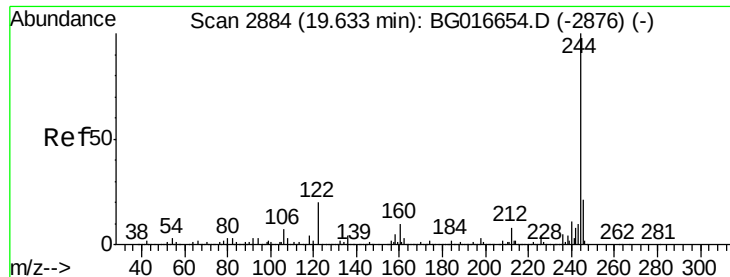
Tot Ion:240 Resp: 258579
Ion Ratio Lower Upper
240 100
120 18.0 16.3 24.5
236 25.7 21.1 31.7



#77
Pyrene
Concen: 15.16 ng
RT: 19.40 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:202 Resp: 275385
Ion Ratio Lower Upper
202 100
200 22.2 18.0 27.0
203 18.1 14.9 22.3





#78

Terphenyl-d14

Concen: 12.76 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampleId :

SB-74S

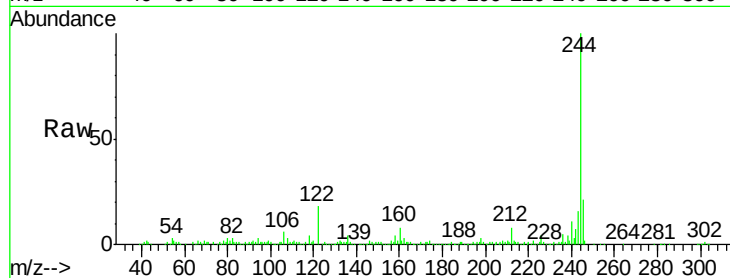
Tot Ion:244 Resp: 143215

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

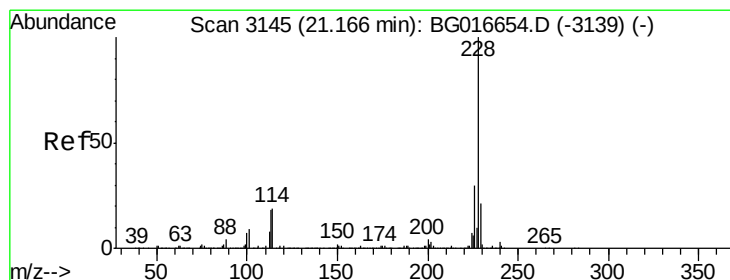
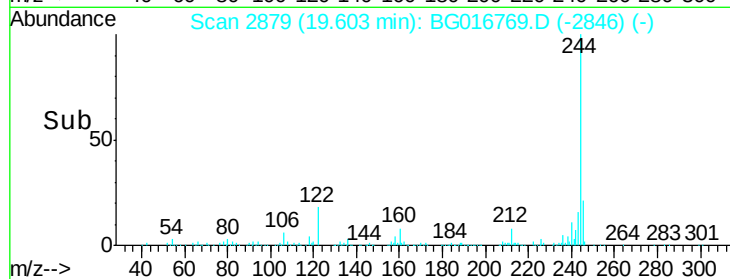
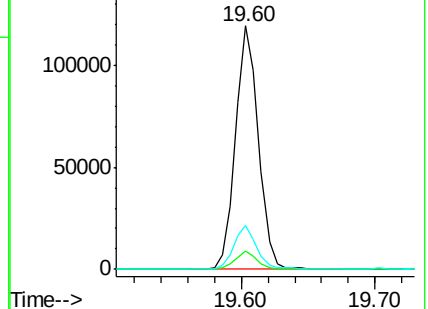
122 18.1 15.9 23.9



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: 7.96 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

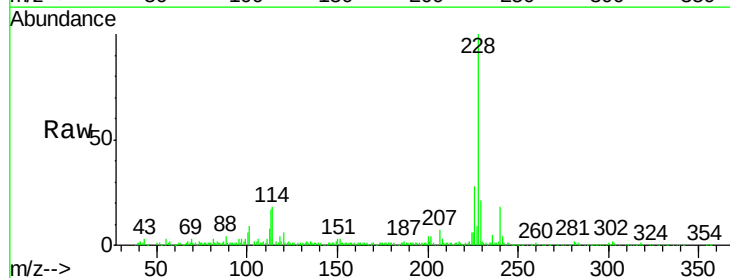
Tgt Ion:228 Resp: 124756

Ion Ratio Lower Upper

228 100

226 28.1 23.8 35.6

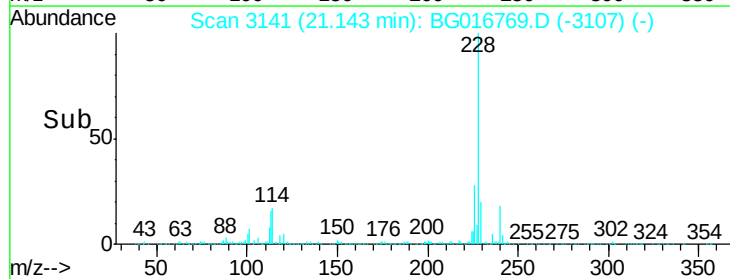
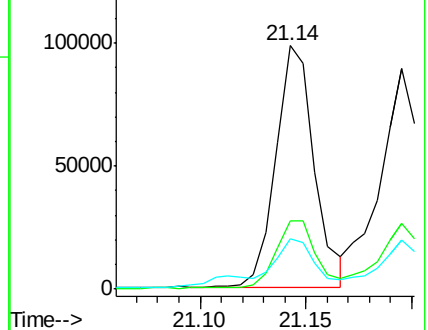
229 20.8 17.0 25.4

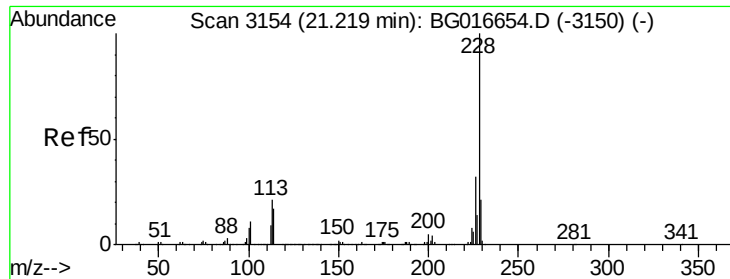


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.87 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampleId :

SB-74S

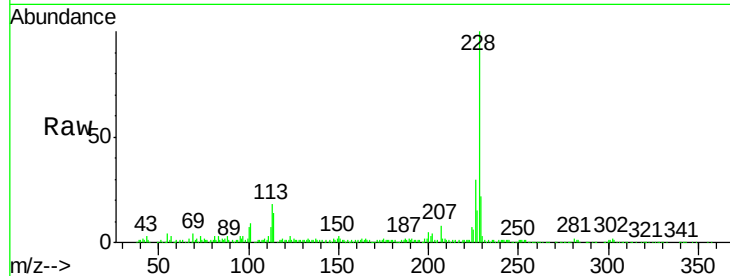
Tot Ion:228 Resp: 118294

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

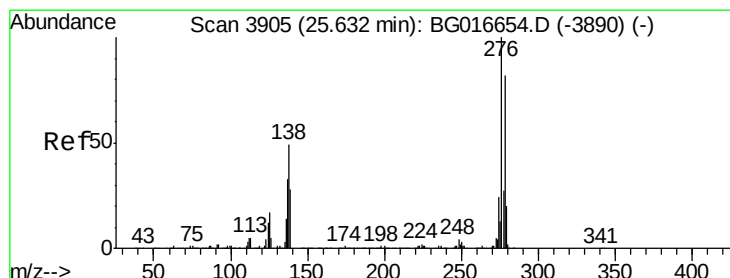
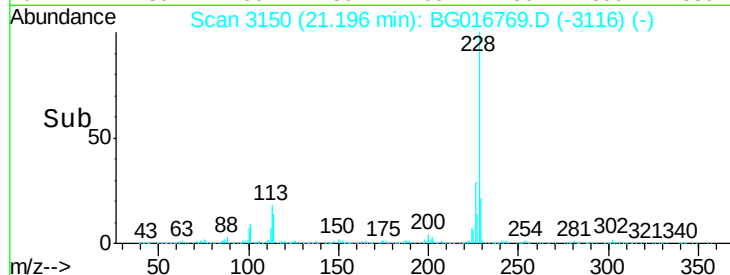
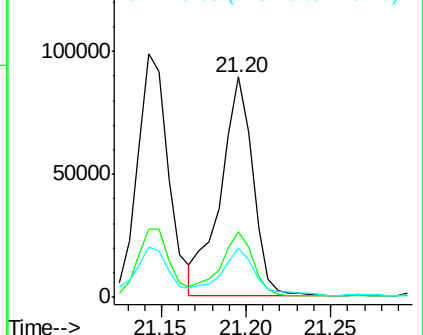
229 22.0 16.5 24.7



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: 4.04 ng

RT: 25.58 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

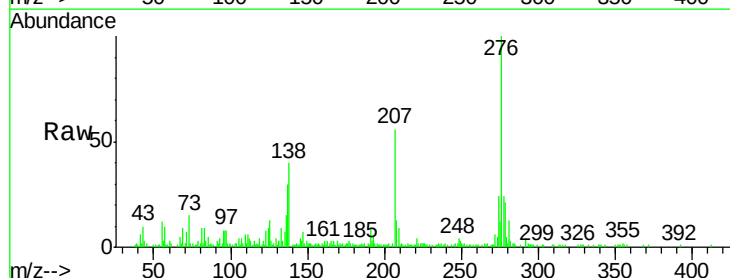
Tgt Ion:276 Resp: 66248

Ion Ratio Lower Upper

276 100

138 39.3 38.2 57.2

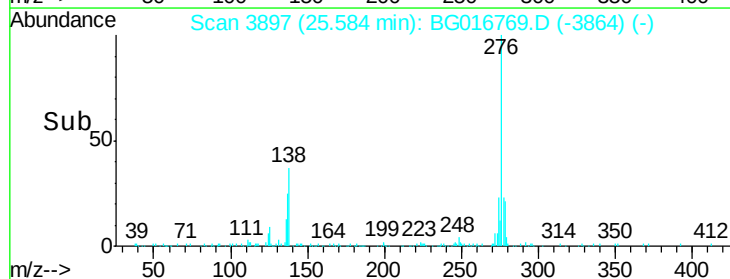
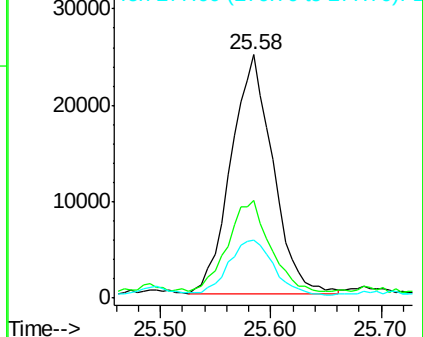
277 24.7 21.4 32.2

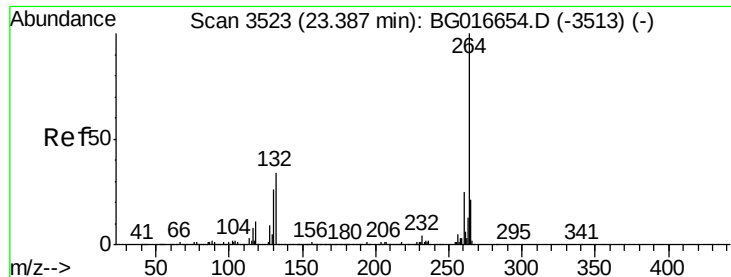


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3518

Delta R.T. 0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampleId :

SB-74S

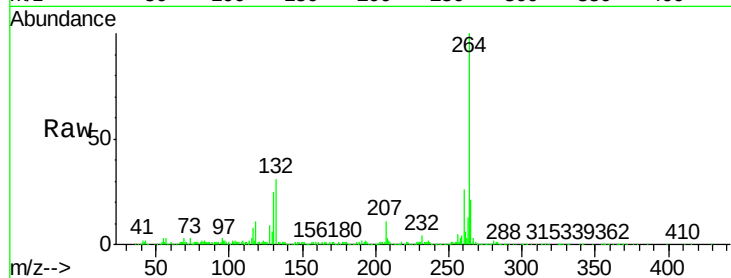
Tot Ion:264 Resp: 253904

Ion Ratio Lower Upper

264 100

260 26.2 20.0 30.0

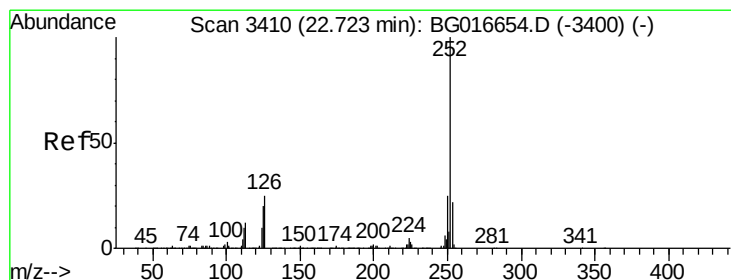
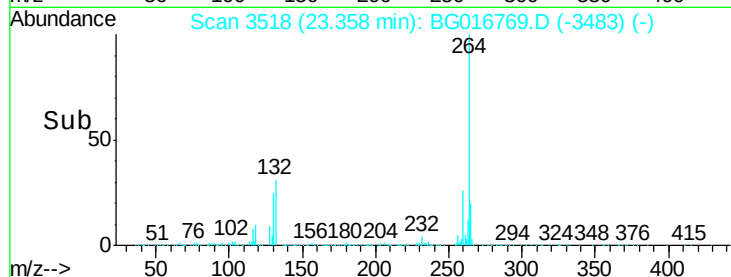
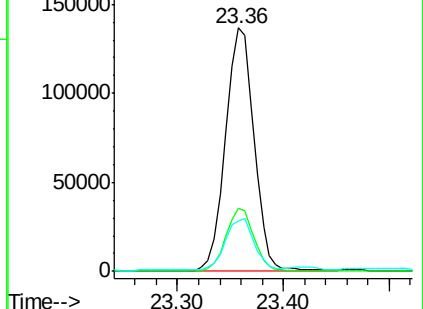
265 20.9 16.8 25.2



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: 9.40 ng m

RT: 22.70 min Scan# 3406

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

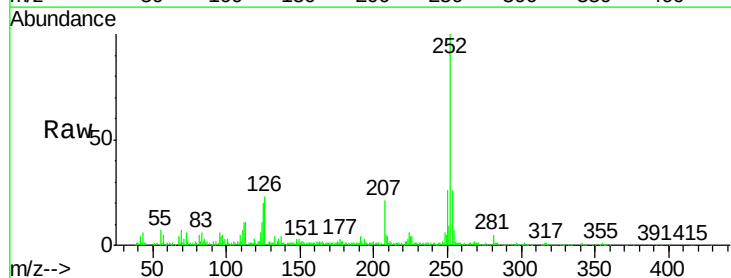
Tgt Ion:252 Resp: 145016

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

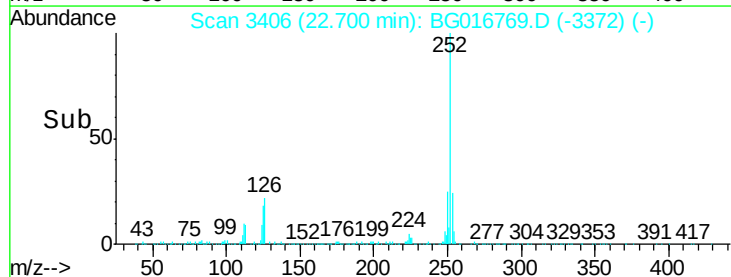
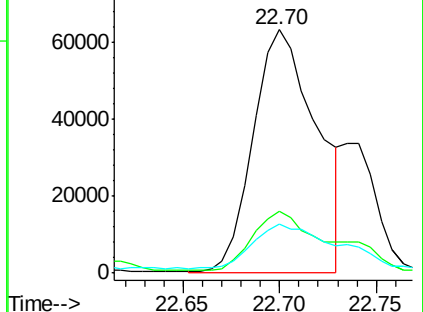
125 20.2 15.8 23.8

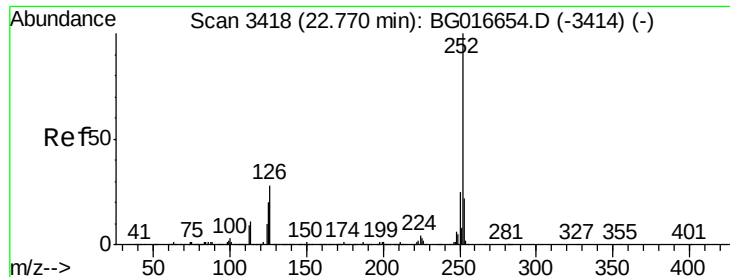


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

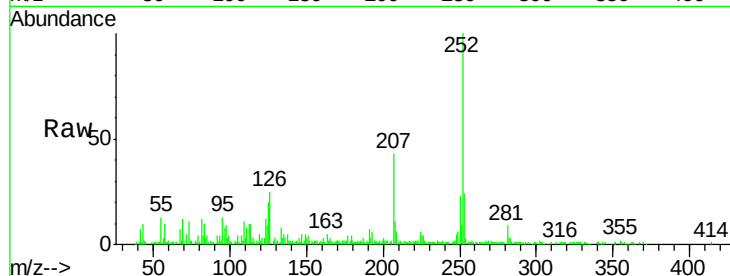




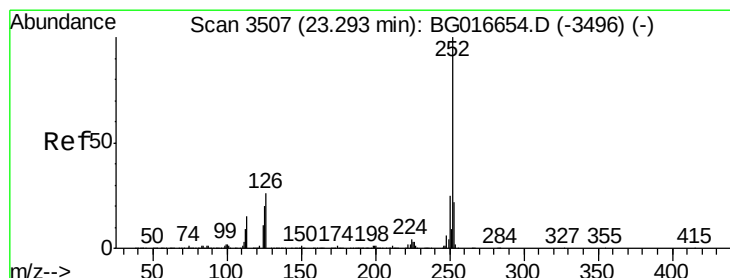
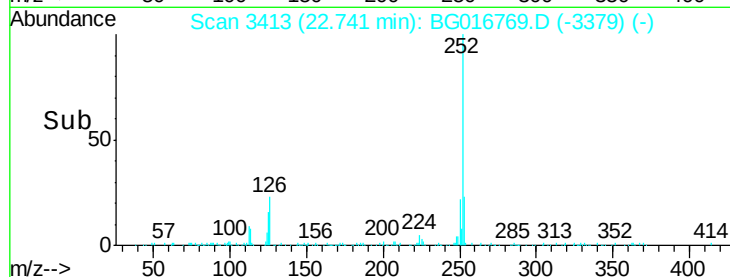
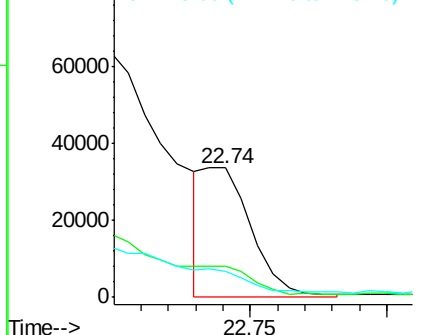
#88
Benzo(k)fluoranthene
Concen: 2.77 ng m
RT: 22.74 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tot Ion:252 Resp: 41616
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 19.7 15.5 23.3

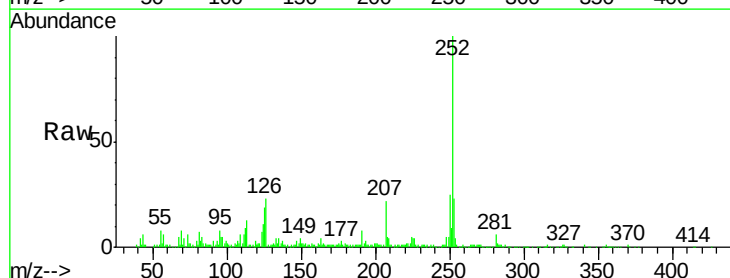


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

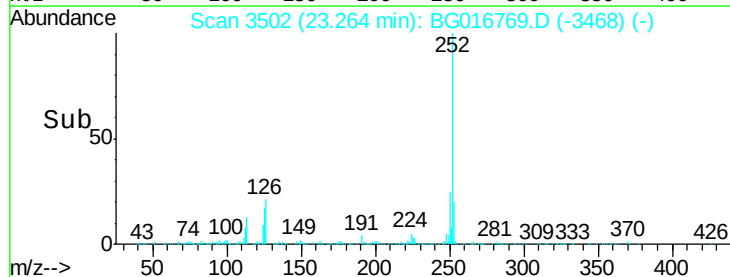
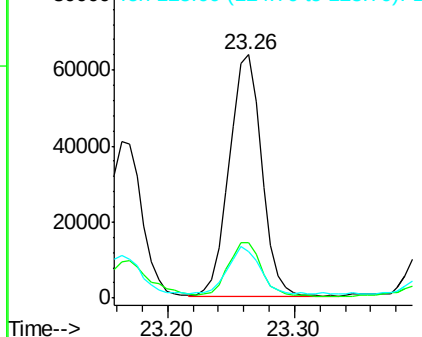


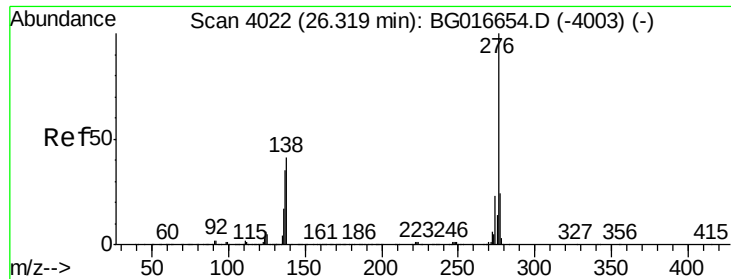
#89
Benzo(a)pyrene
Concen: 7.77 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:252 Resp: 112963
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 19.2 16.3 24.5



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





#91

Benzo(a,h,i)perylene

Concen: 4.91 ng

RT: 26.27 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BG016769.D

Acq: 28 Apr 2015 17:51

Instrument :

BNA_G

ClientSampleId :

SB-74S

Tot Ion: 276 Resp: 70600

Ion Ratio Lower Upper

276 100

277 25.1 19.3 28.9

138 37.9 32.8 49.2

