

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
 Data File : BG016775.D
 Acq On : 28 Apr 2015 21:20
 Operator : TP/IZ
 Sample : G2022-18 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-07-0-2.0

Quant Time: Apr 29 01:47:09 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

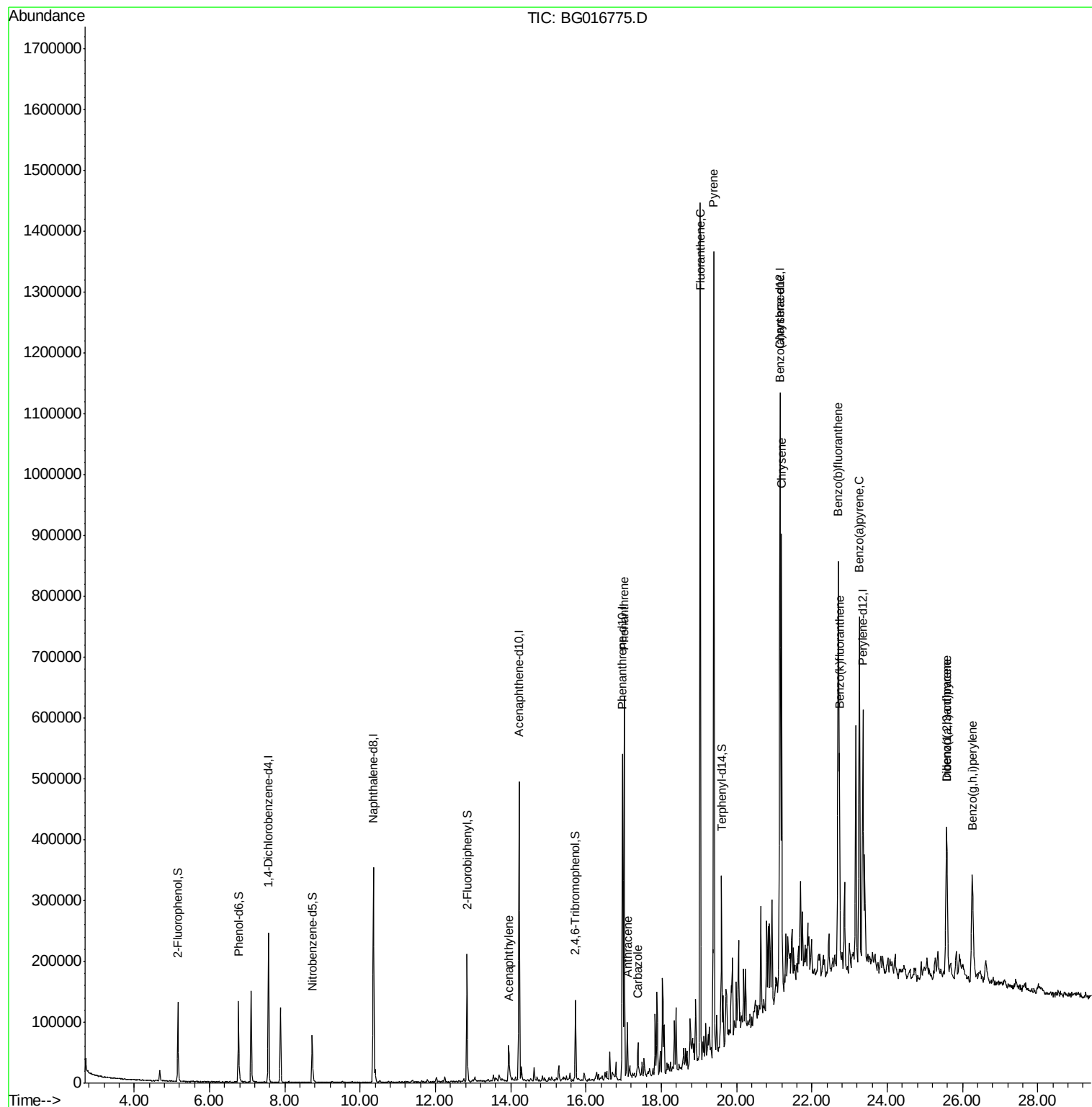
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	71499	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	308749	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	164110	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	300803	20.00	ng	0.00
75) Chrysene-d12	21.16	240	255215	20.00	ng	0.00
86) Perylene-d12	23.36	264	251147	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	71228	16.17	ng	0.00
7) Phenol-d6	6.77	99	97930	15.84	ng	0.00
23) Nitrobenzene-d5	8.73	82	50011	10.24	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	19148	15.73	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	115724	11.33	ng	0.00
78) Terphenyl-d14	19.60	244	107591	9.71	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	13.95	152	60759	3.50	ng	97
70) Phenanthrene	17.01	178	345103	19.97	ng	100
71) Anthracene	17.10	178	56178	3.27	ng	99
72) Carbazole	17.38	167	35068	2.04	ng	97
74) Fluoranthene	19.03	202	746741	40.78	ng	98
77) Pyrene	19.40	202	727523	40.58	ng	100
80) Benzo(a)anthracene	21.14	228	357287	23.09	ng	99
82) Chrysene	21.20	228	353446	23.82	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	217142	13.43	ng	# 86
87) Benzo(b)fluoranthene	22.70	252	440752	28.89	ng	99
88) Benzo(k)fluoranthene	22.73	252	173060m	11.62	ng	
89) Benzo(a)pyrene	23.26	252	333608	23.21	ng	96
90) Dibenzo(a,h)anthracene	25.58	278	52261	3.74	ng	# 68
91) Benzo(g,h,i)perylene	26.26	276	198006	13.92	ng	96

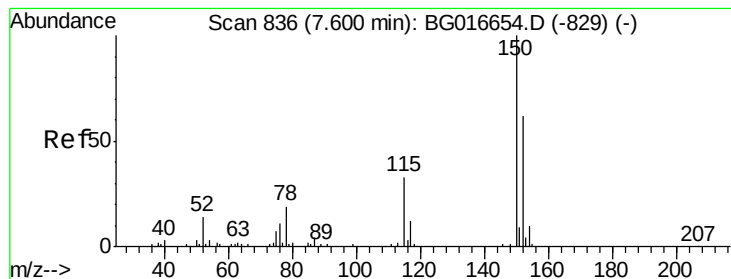
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

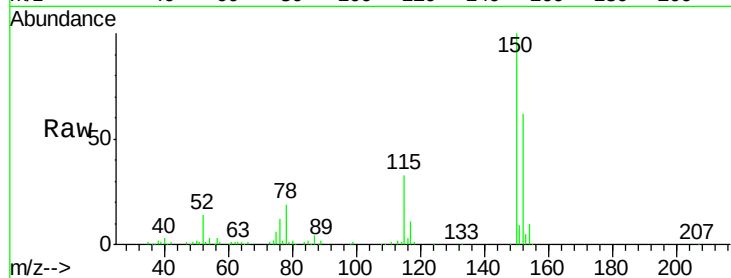
Tot Ion:152 Resp: 71499

Ion Ratio Lower Upper

152 100

150 161.4 129.6 194.4

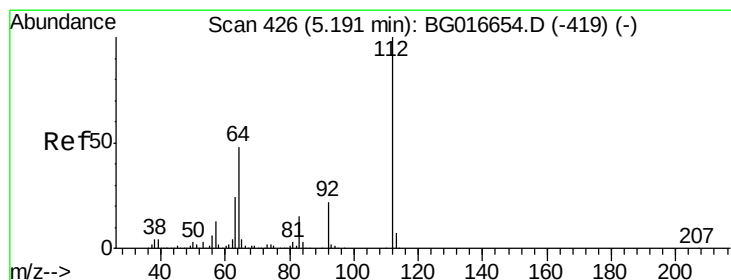
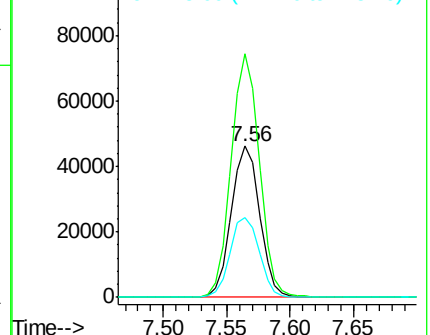
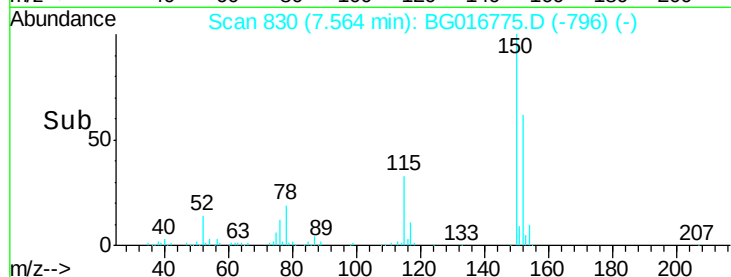
115 52.5 43.0 64.6



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: 16.17 ng

RT: 5.16 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

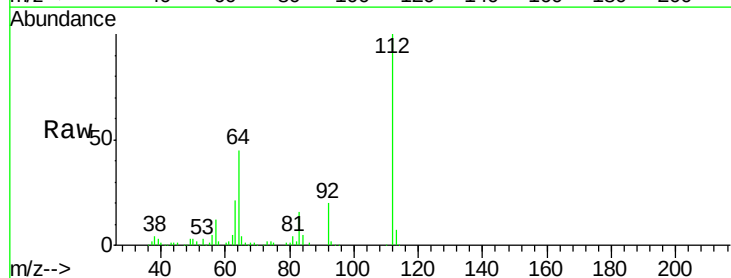
Tgt Ion:112 Resp: 71228

Ion Ratio Lower Upper

112 100

64 44.8 38.3 57.5

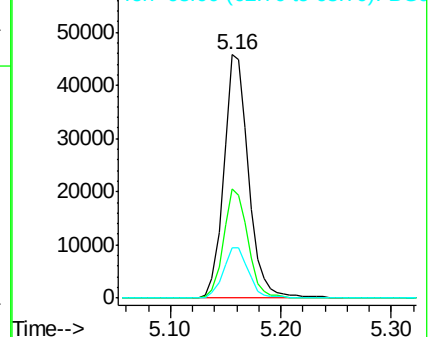
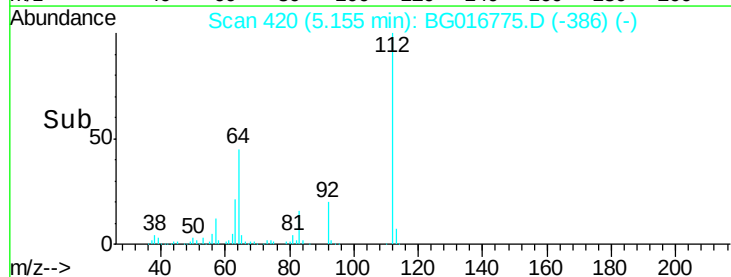
63 20.9 18.9 28.3

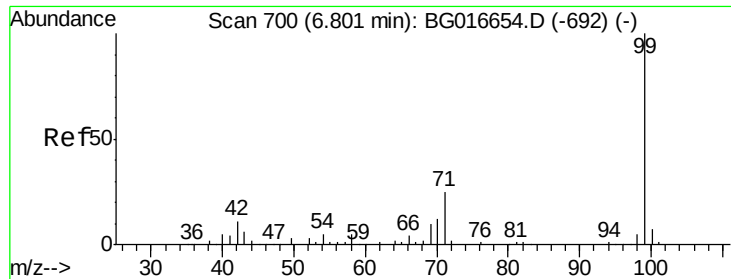


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 15.84 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

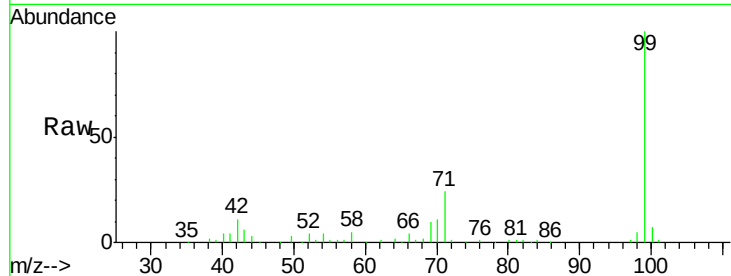
Tot Ion: 99 Resp: 97930

Ion Ratio Lower Upper

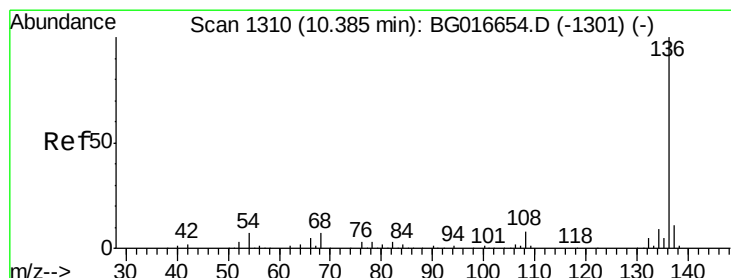
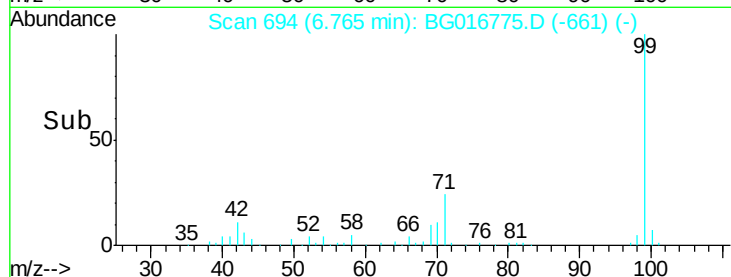
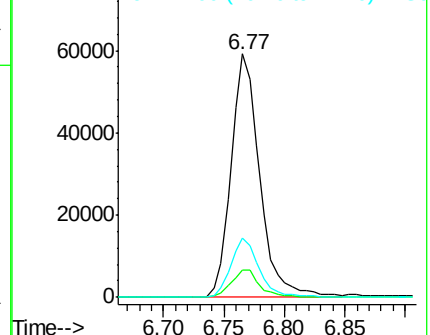
99 100

42 11.2 8.8 13.2

71 24.1 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: BG016775.D

Acq: 28 Apr 2015 21:20

Tgt Ion: 136 Resp: 308749

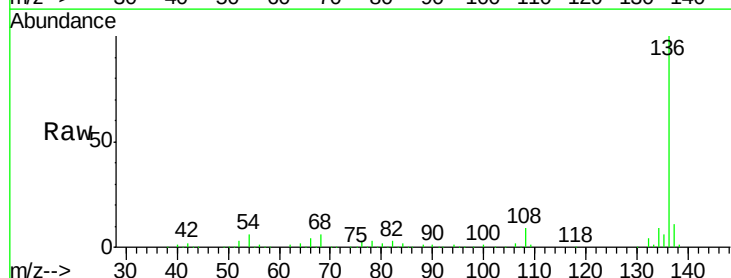
Ion Ratio Lower Upper

136 100

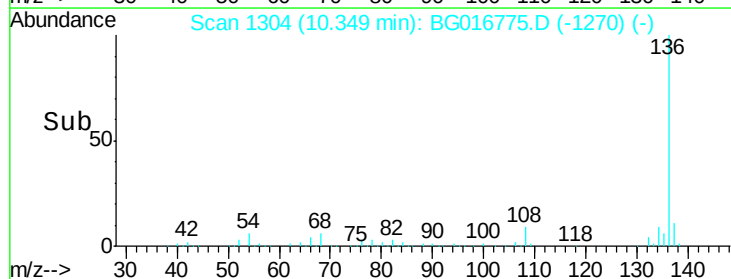
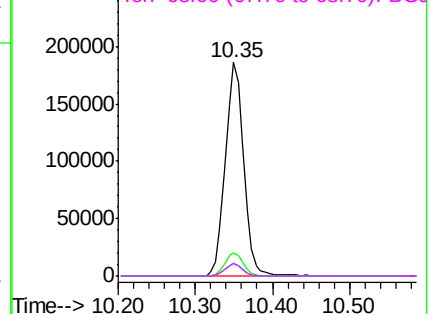
137 10.9 8.5 12.7

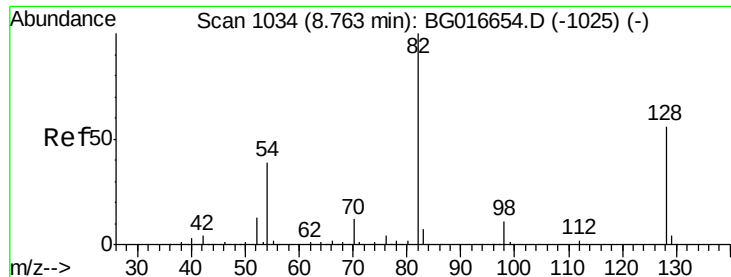
54 5.6 5.4 8.2

68 6.1 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

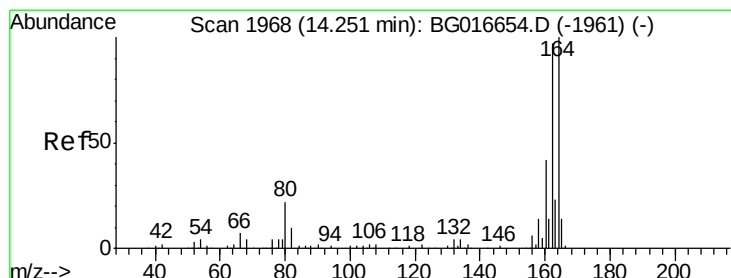
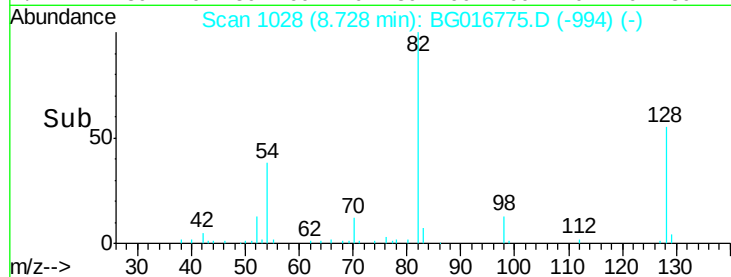
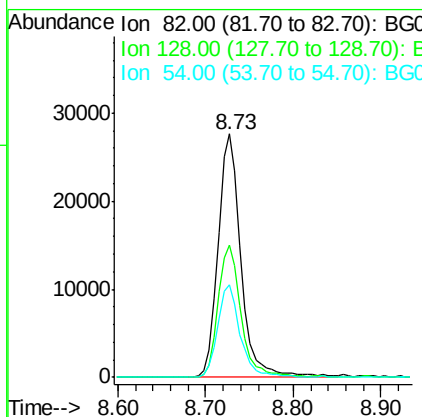
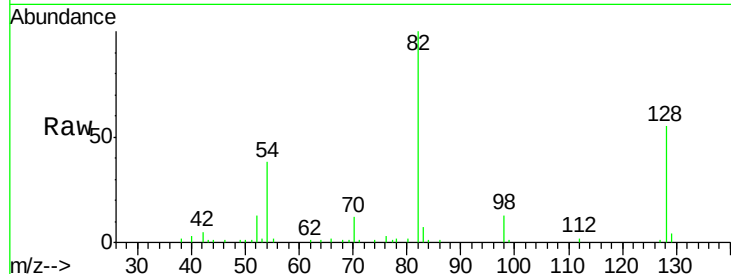




#23
 Nitrobenzene-d5
 Concen: 10.24 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016775.D
 Acq: 28 Apr 2015 21:20

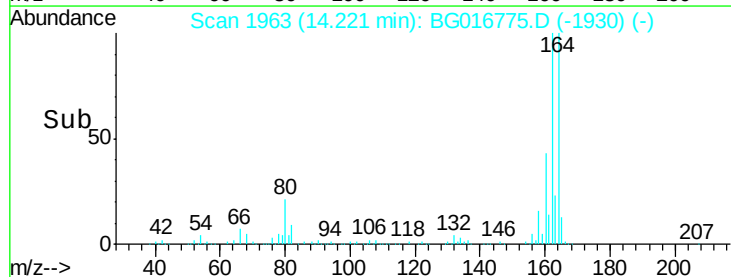
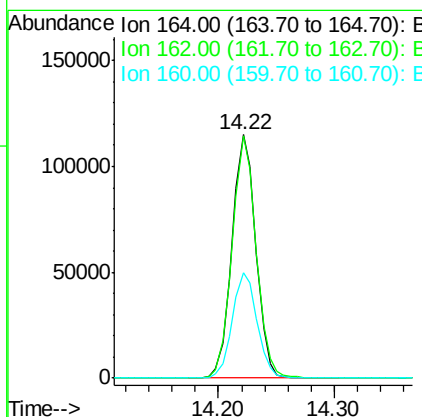
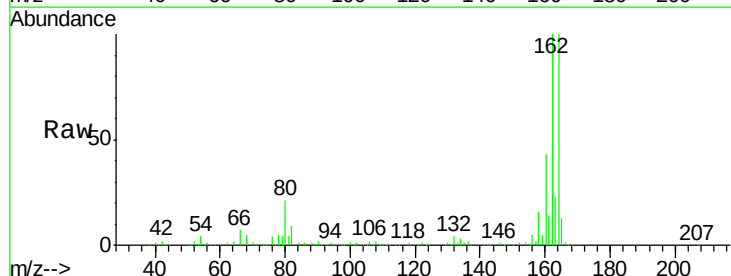
Instrument :
 BNA_G
 ClientSampleId :
 SB-07-0-2.0

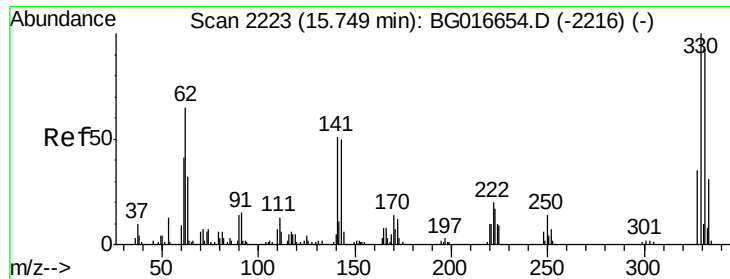
Tot Ion: 82 Resp: 50011
 Ion Ratio Lower Upper
 82 100
 128 54.6 44.7 67.1
 54 37.8 30.9 46.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG016775.D
 Acq: 28 Apr 2015 21:20

Tgt Ion:164 Resp: 164110
 Ion Ratio Lower Upper
 164 100
 162 99.6 77.3 115.9
 160 43.3 33.7 50.5

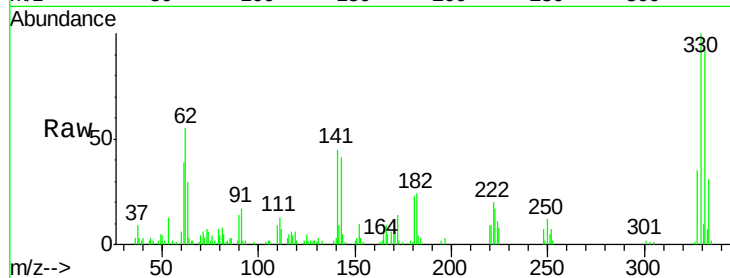




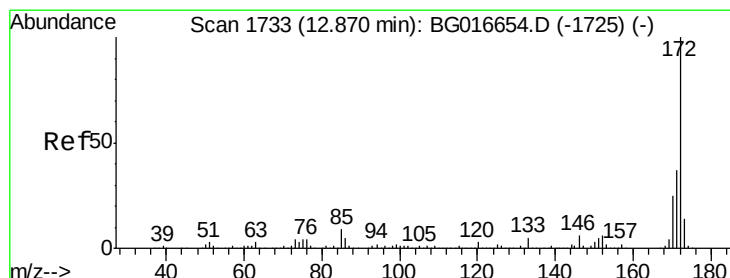
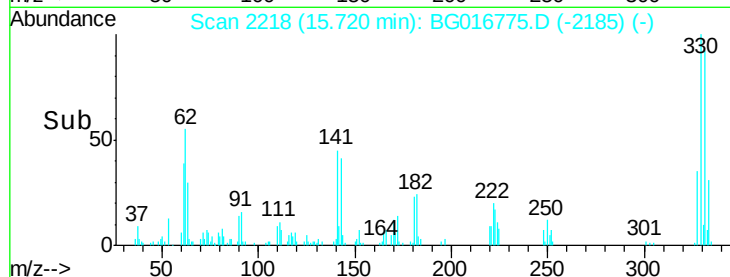
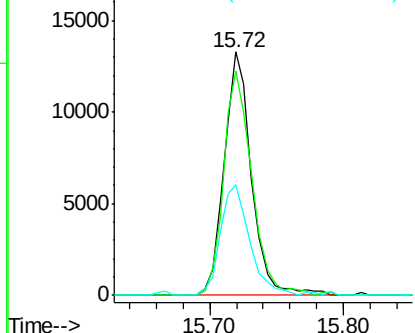
#41
 2,4,6-Tribromophenol
 Concen: 15.73 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG016775.D
 Acq: 28 Apr 2015 21:20

Instrument :
 BNA_G
 ClientSampleId :
 SB-07-0-2.0

Tot Ion:330 Resp: 19148
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 48.4 43.0 64.6

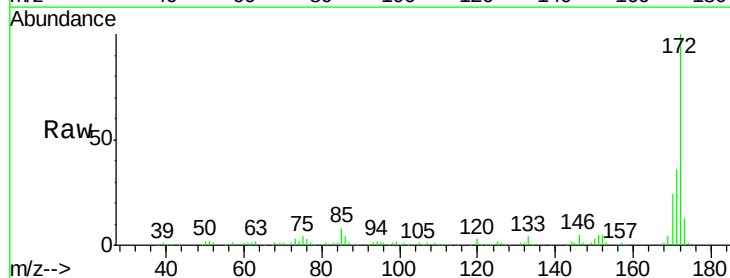


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

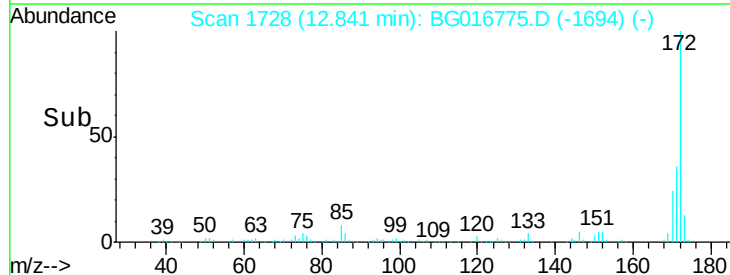
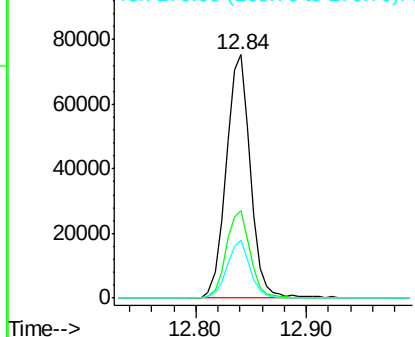


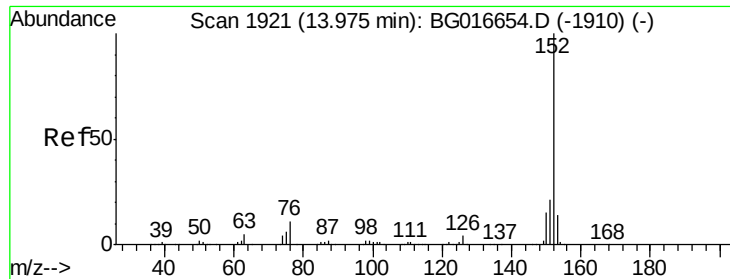
#44
 2-Fluorobiphenyl
 Concen: 11.33 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG016775.D
 Acq: 28 Apr 2015 21:20

Tgt Ion:172 Resp: 115724
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.9 44.9
 170 23.6 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





#48

Acenaphthylene

Concen: 3.50 ng

RT: 13.95 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

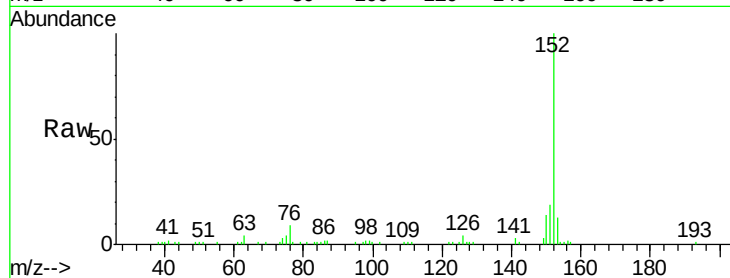
Tot Ion:152 Resp: 60759

Ion Ratio Lower Upper

152 100

151 19.2 16.7 25.1

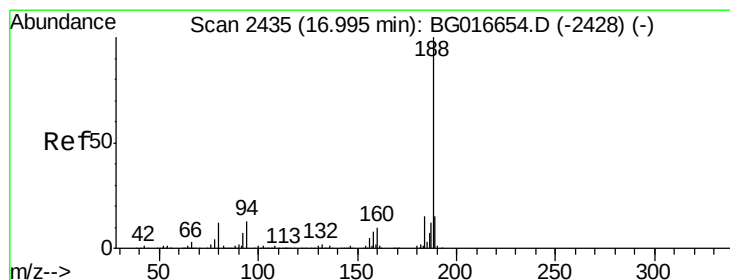
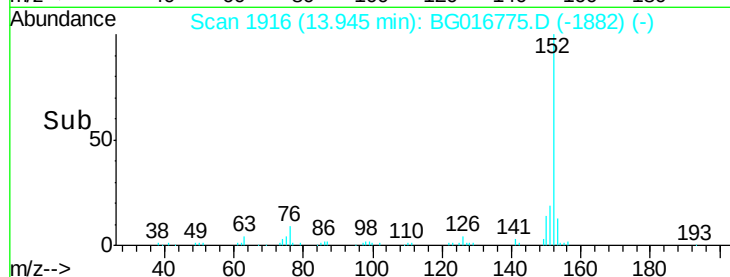
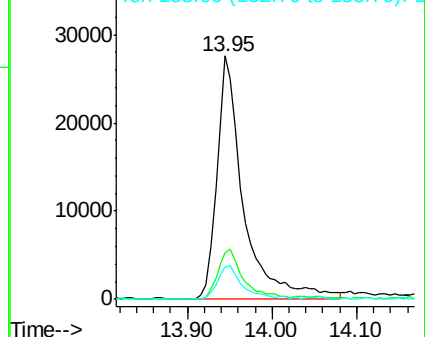
153 13.4 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.97 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

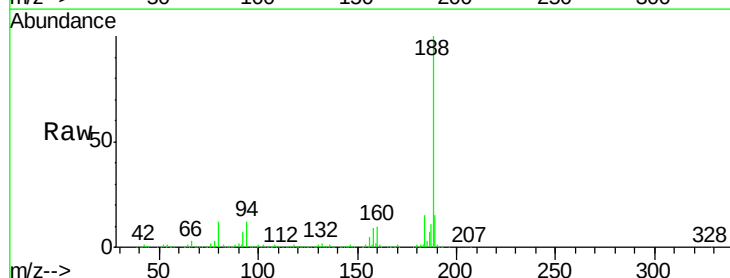
Tgt Ion:188 Resp: 300803

Ion Ratio Lower Upper

188 100

94 11.6 10.7 16.1

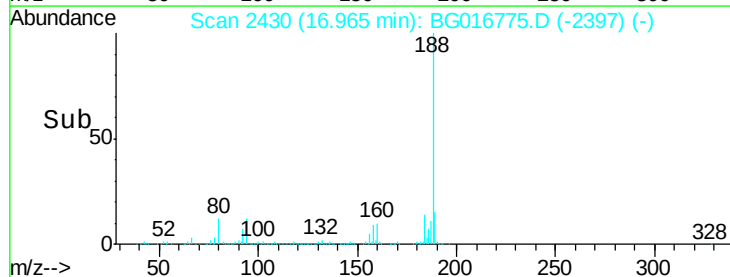
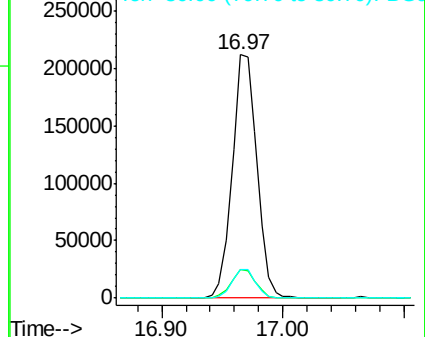
80 11.9 9.9 14.9

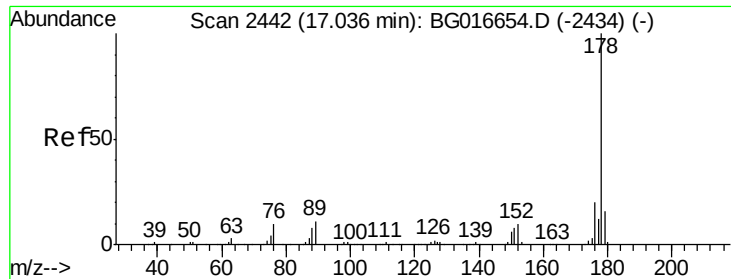


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 19.97 ng

RT: 17.01 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

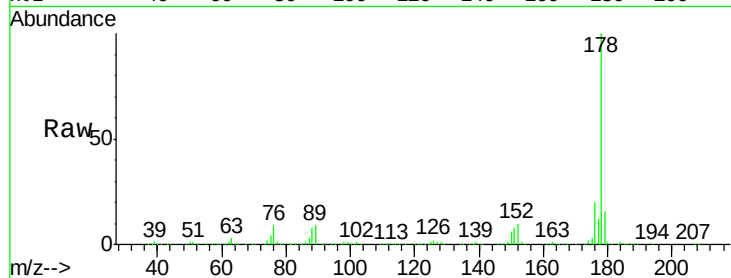
Tot Ion:178 Resp: 345103

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	16.0	12.8	19.2

178 100

176 19.7 15.8 23.6

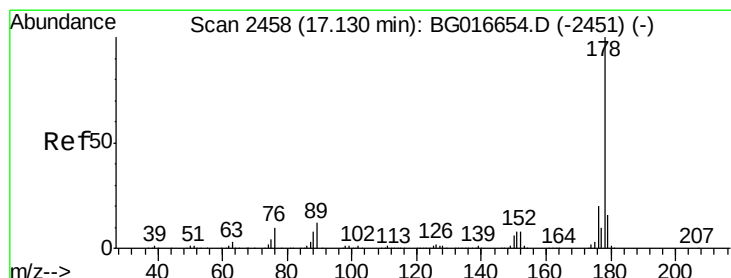
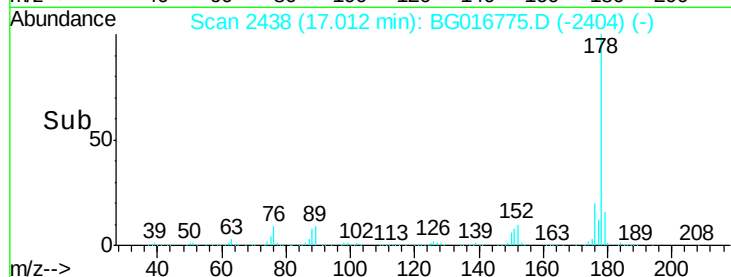
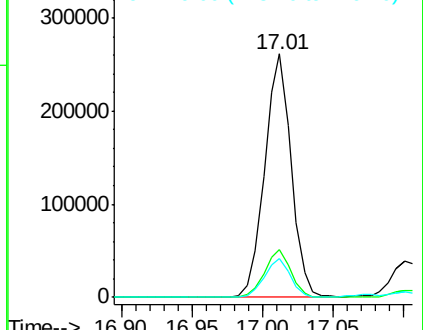
179 16.0 12.8 19.2



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: 3.27 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

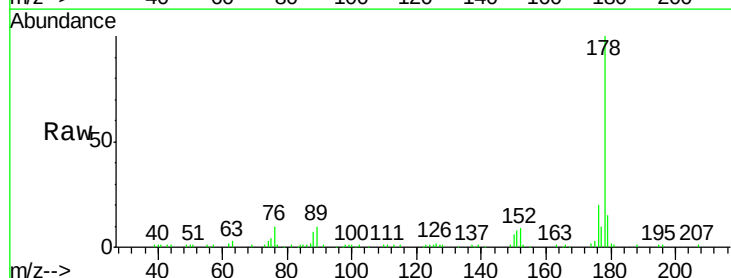
Tgt Ion:178 Resp: 56178

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.0	24.0
179	15.2	12.9	19.3

178 100

176 20.1 16.0 24.0

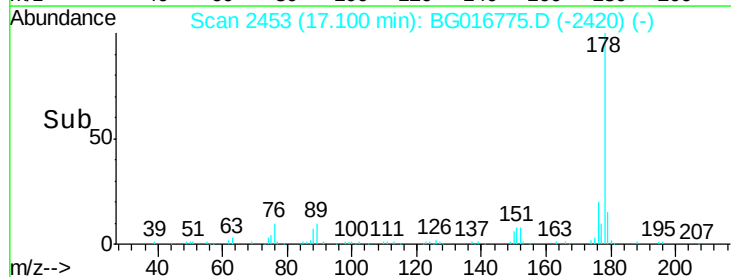
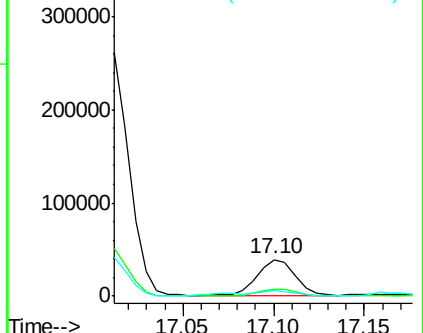
179 15.2 12.9 19.3

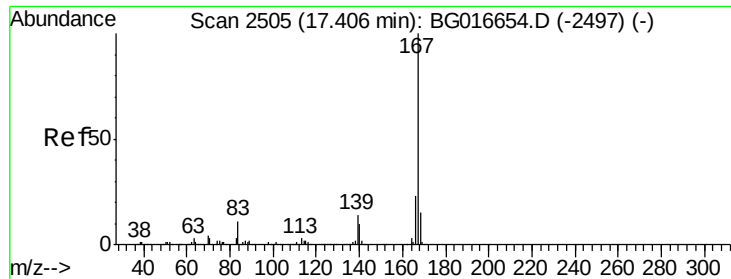


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.04 ng

RT: 17.38 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

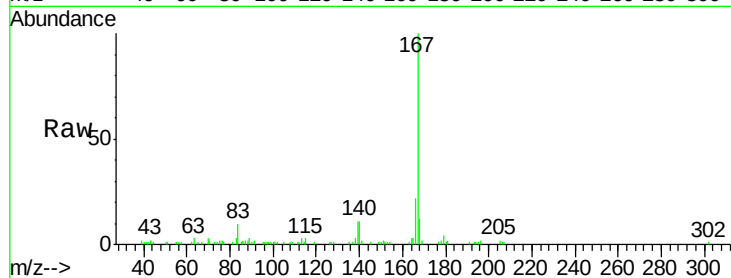
Tot Ion:167 Resp: 35068

Ion Ratio Lower Upper

167 100

166 22.5 18.4 27.6

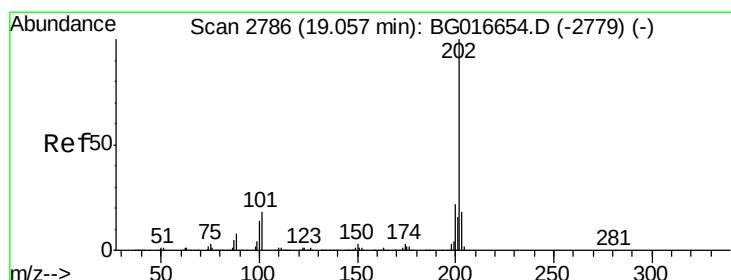
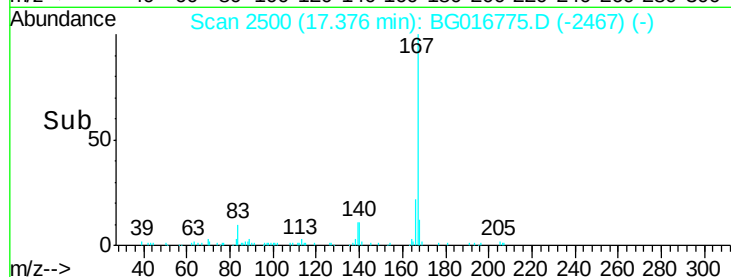
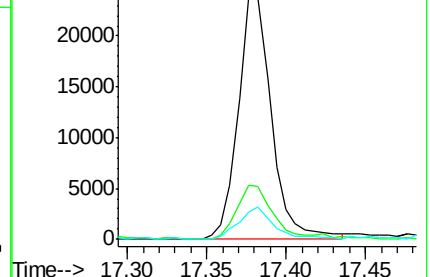
139 11.3 11.1 16.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 40.78 ng

RT: 19.03 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

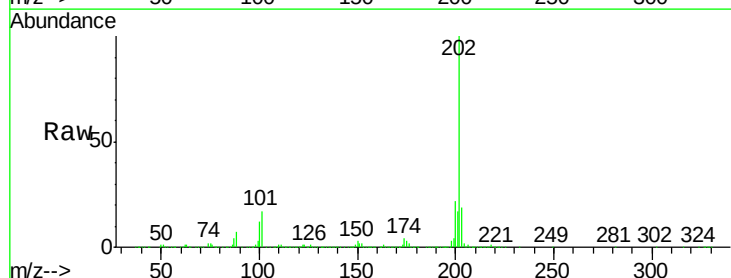
Tgt Ion:202 Resp: 746741

Ion Ratio Lower Upper

202 100

101 16.6 0.0 38.1

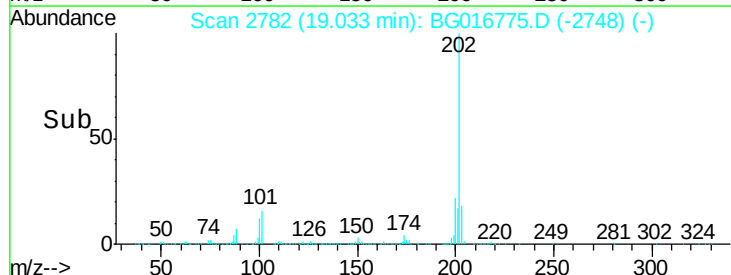
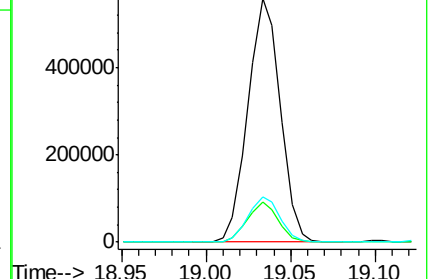
203 18.7 0.0 38.4

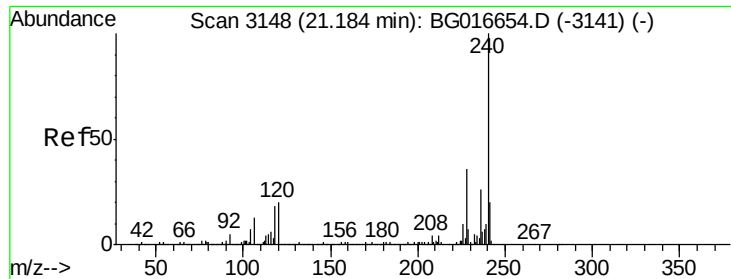


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

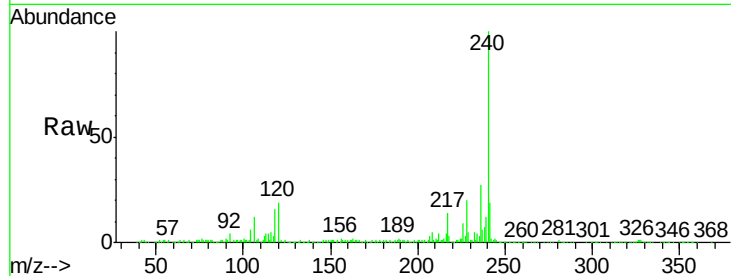
Tot Ion:240 Resp: 255215

Ion Ratio Lower Upper

240 100

120 18.5 16.3 24.5

236 26.5 21.1 31.7

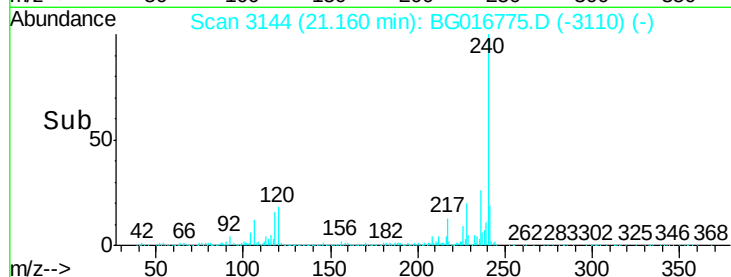


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

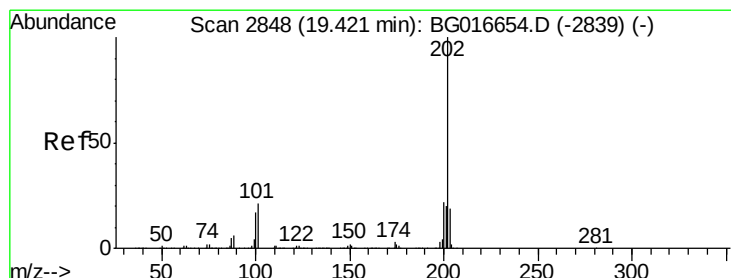
Ion 236.00 (235.70 to 236.70): E

Time-->



21.16

Time-->



#77

Pyrene

Concen: 40.58 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

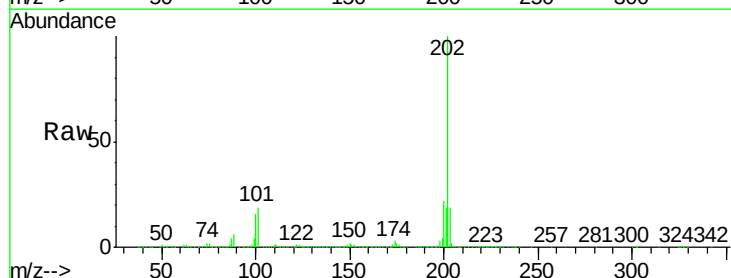
Tgt Ion:202 Resp: 727523

Ion Ratio Lower Upper

202 100

200 22.4 18.0 27.0

203 18.5 14.9 22.3

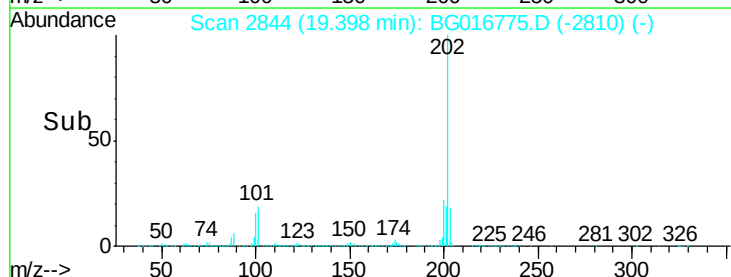


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

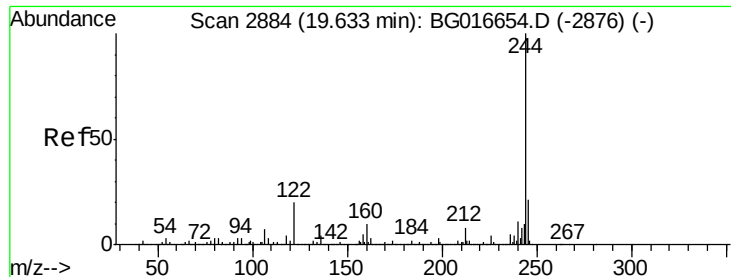
Ion 203.00 (202.70 to 203.70): E

Time-->



19.40

Time-->



#78

Terphenyl-d14

Concen: 9.71 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

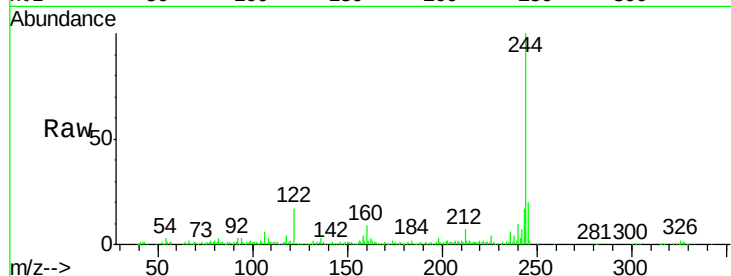
Tot Ion:244 Resp: 107591

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

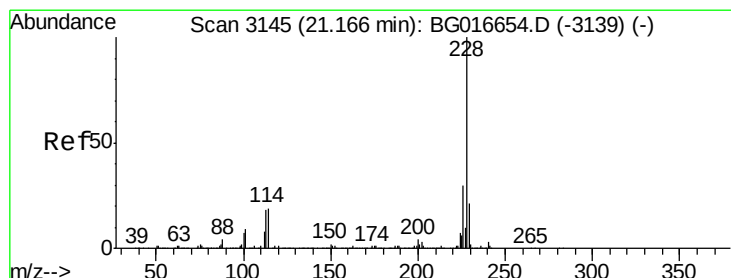
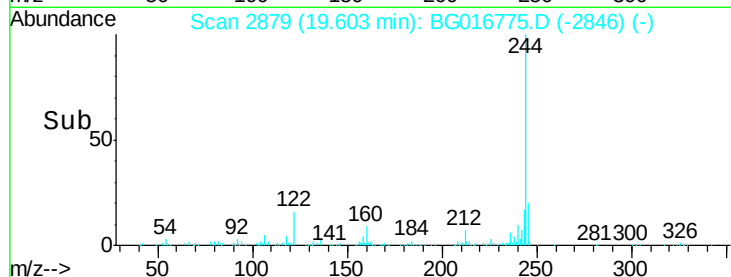
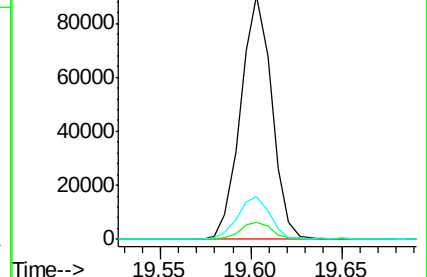
122 17.3 15.9 23.9



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: 23.09 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

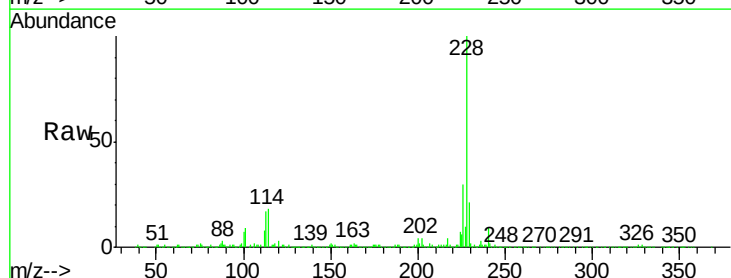
Tgt Ion:228 Resp: 357287

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

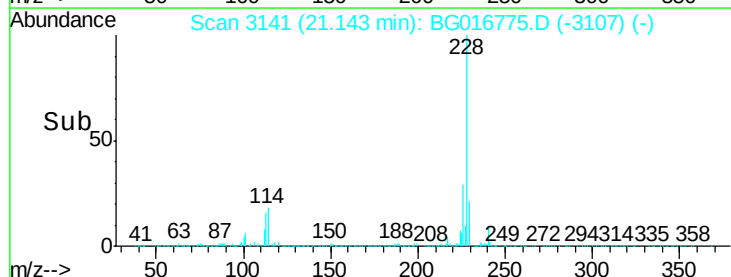
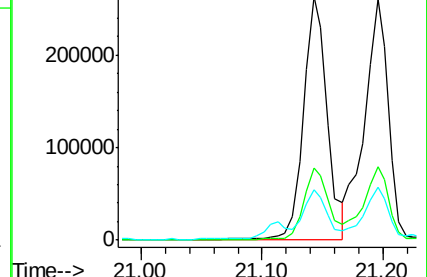
229 20.6 17.0 25.4

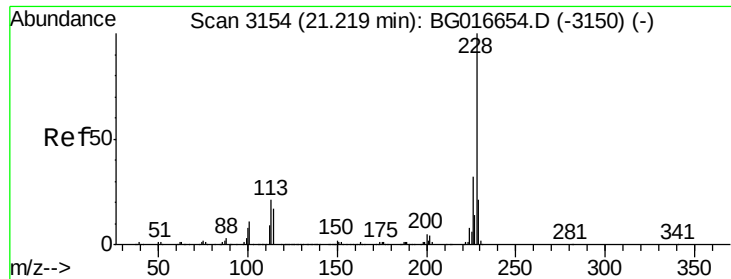


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 23.82 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

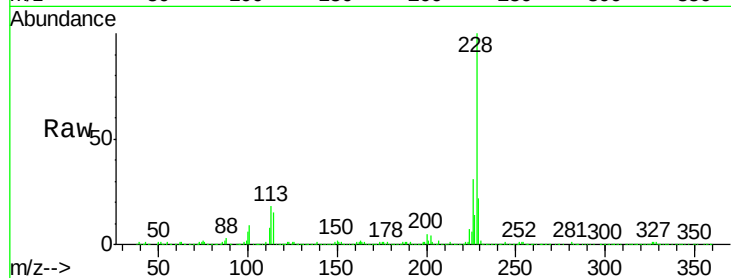
Tot Ion:228 Resp: 353446

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

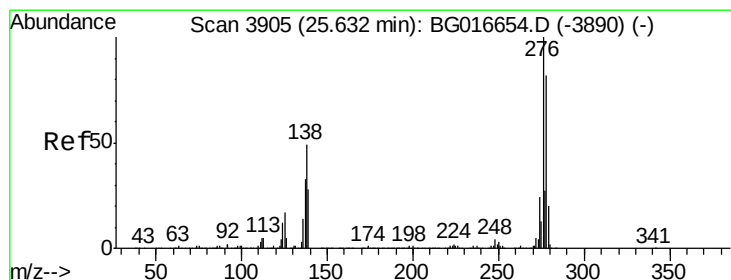
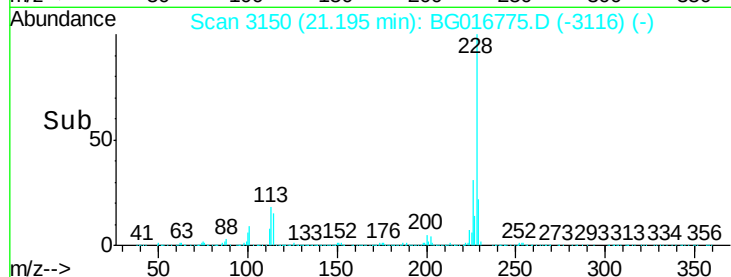
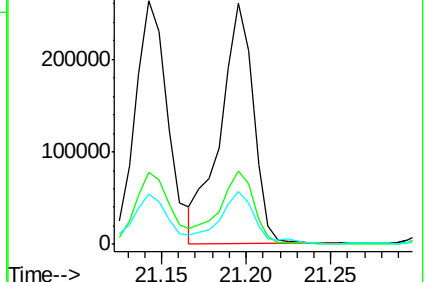
229 22.0 16.5 24.7



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: 13.43 ng

RT: 25.58 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

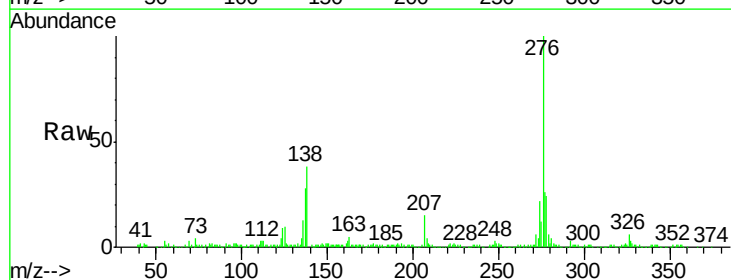
Tgt Ion:276 Resp: 217142

Ion Ratio Lower Upper

276 100

138 36.4 38.2 57.2#

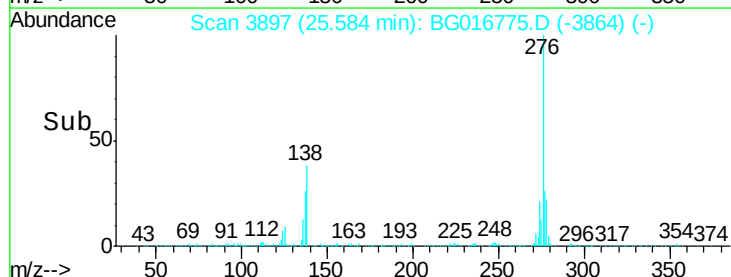
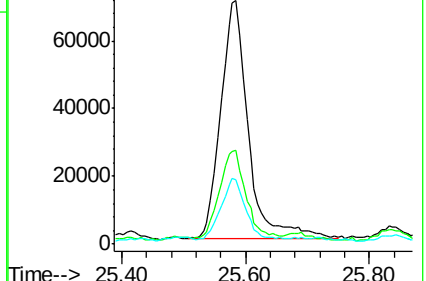
277 22.7 21.4 32.2

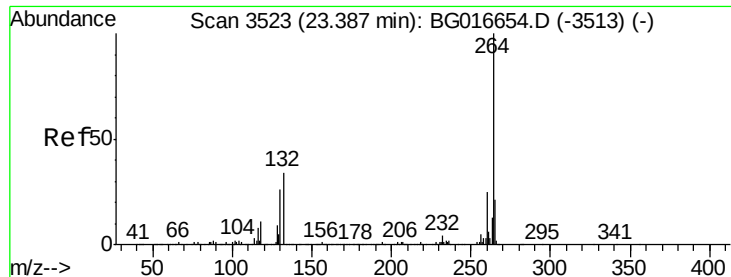


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

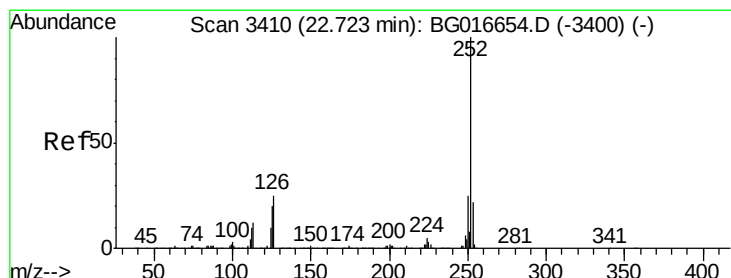
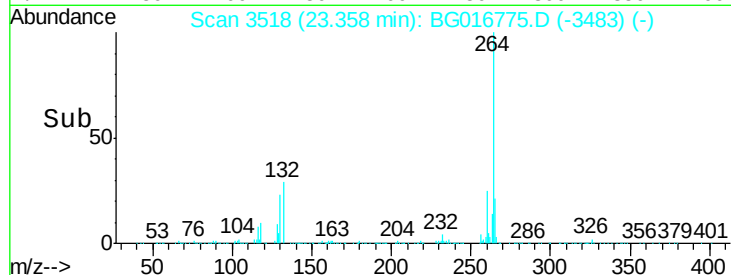
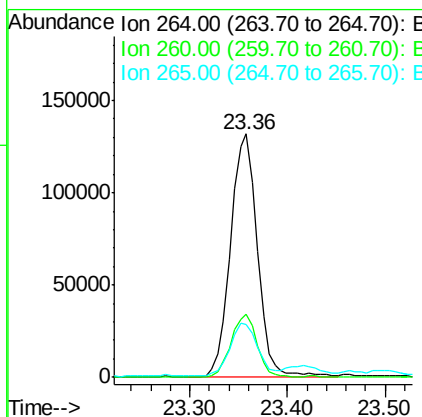
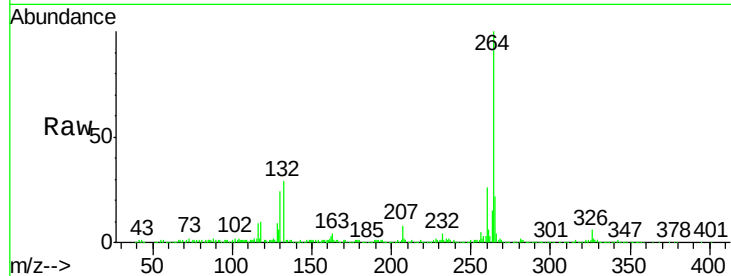




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016775.D
Acq: 28 Apr 2015 21:20

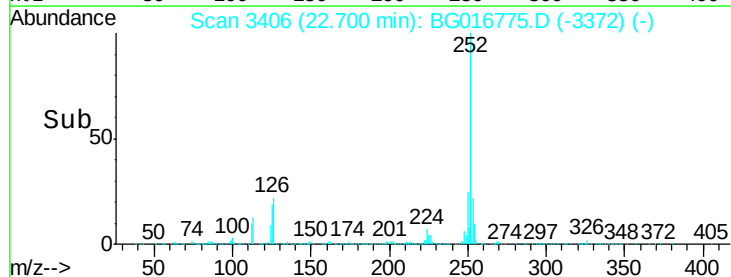
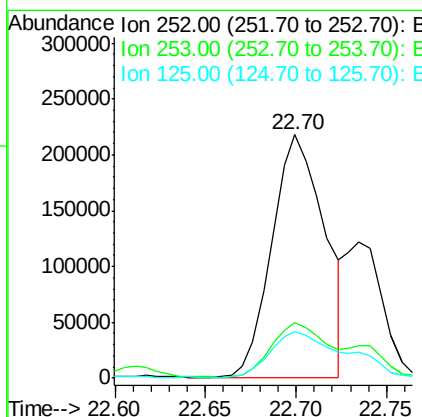
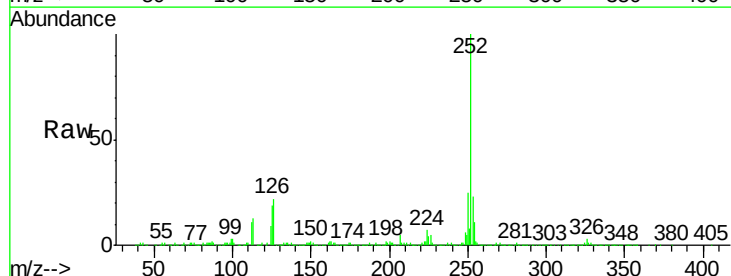
Instrument :
BNA_G
ClientSampleId :
SB-07-0-2.0

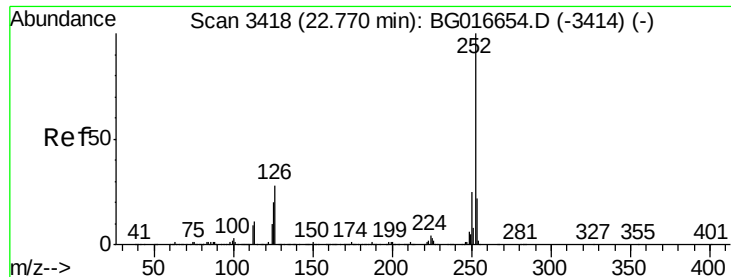
Tot Ion:264 Resp: 251147
Ion Ratio Lower Upper
264 100
260 25.7 20.0 30.0
265 21.8 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 28.89 ng
RT: 22.70 min Scan# 3406
Delta R.T. -0.00 min
Lab File: BG016775.D
Acq: 28 Apr 2015 21:20

Tgt Ion:252 Resp: 440752
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 18.9 15.8 23.8

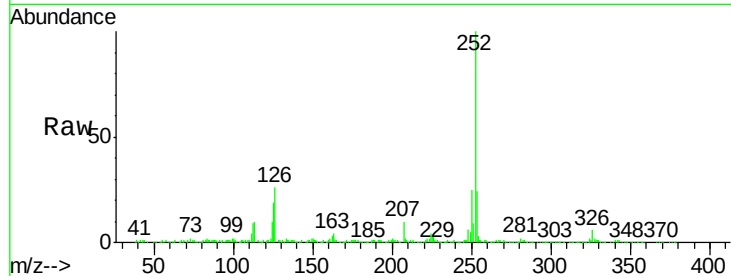




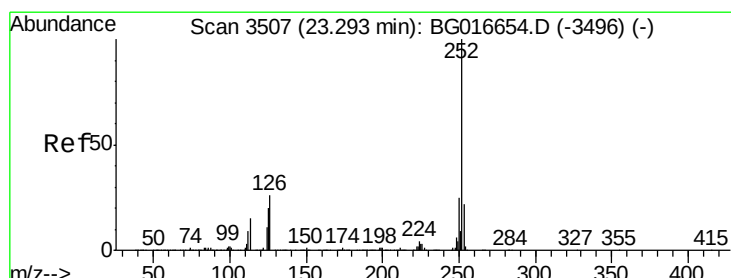
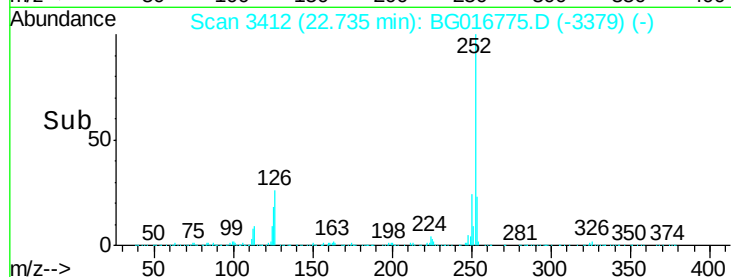
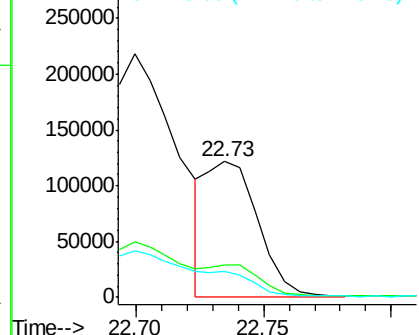
#88
Benzo(k)fluoranthene
Concen: 11.62 ng m
RT: 22.73 min Scan# 3412
Delta R.T. -0.01 min
Lab File: BG016775.D
Acq: 28 Apr 2015 21:20

Instrument :
BNA_G
ClientSampleId :
SB-07-0-2.0

Tot Ion:252 Resp: 173060
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 19.0 15.5 23.3

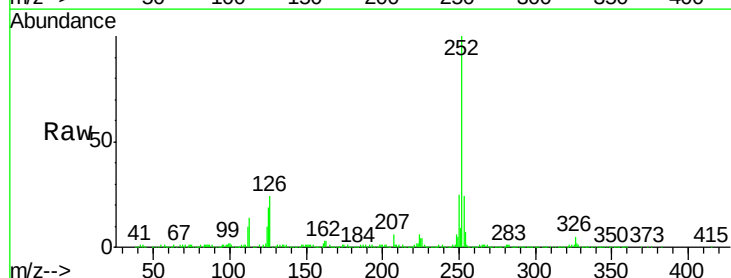


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

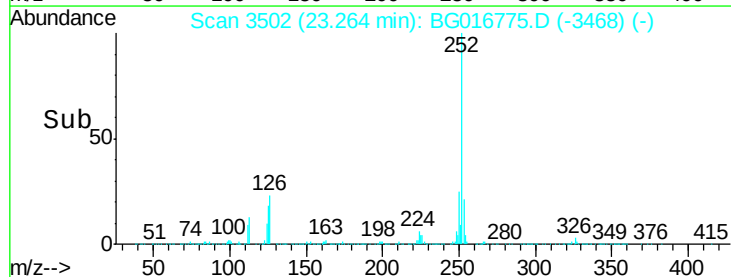
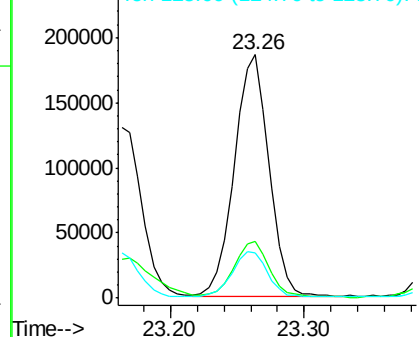


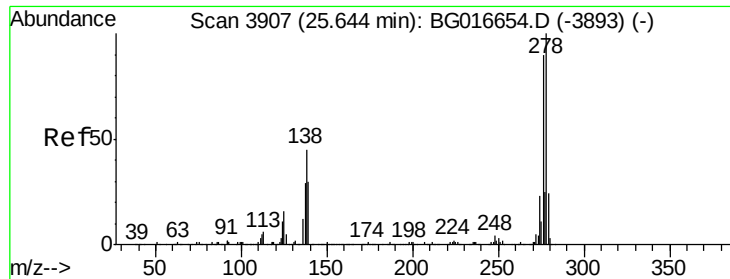
#89
Benzo(a)pyrene
Concen: 23.21 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.00 min
Lab File: BG016775.D
Acq: 28 Apr 2015 21:20

Tgt Ion:252 Resp: 333608
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 18.6 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





#90

Dibenzo(a,h)anthracene

Concen: 3.74 ng

RT: 25.58 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

Instrument :

BNA_G

ClientSampleId :

SB-07-0-2.0

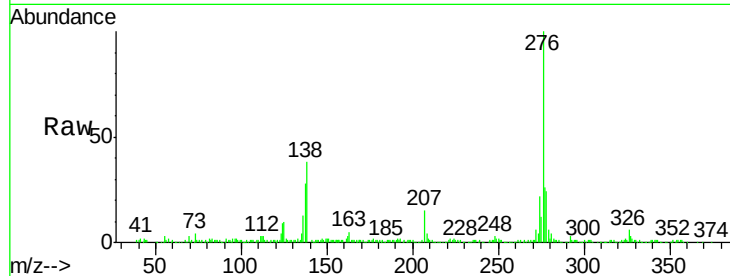
Tot Ion:278 Resp: 52261

Ion Ratio Lower Upper

278 100

139 0.0 24.2 36.2#

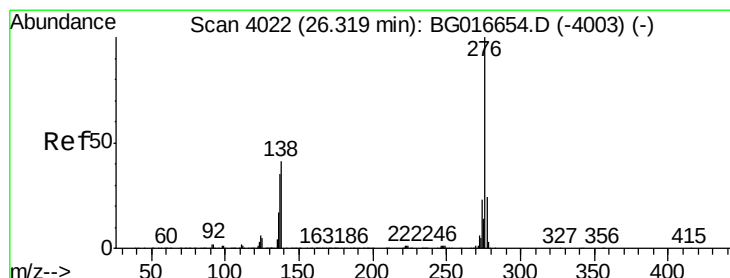
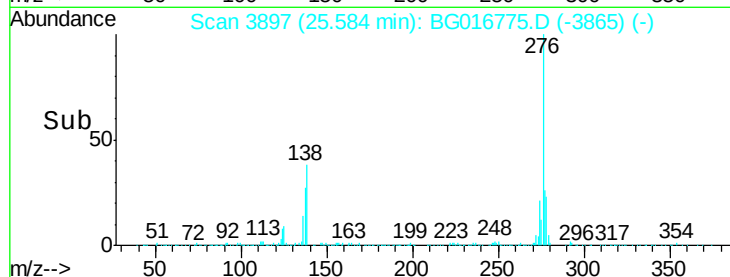
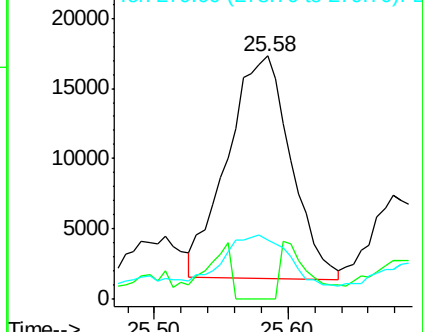
279 24.5 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.92 ng

RT: 26.26 min Scan# 4012

Delta R.T. -0.01 min

Lab File: BG016775.D

Acq: 28 Apr 2015 21:20

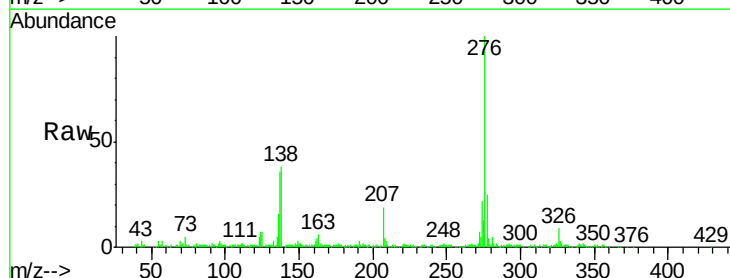
Tgt Ion:276 Resp: 198006

Ion Ratio Lower Upper

276 100

277 25.1 19.3 28.9

138 38.0 32.8 49.2



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

