

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041315\
 Data File : BG016386.D
 Acq On : 14 Apr 2015 7:46
 Operator : TP/IZ
 Sample : G1831-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-7

Quant Time: Apr 14 08:29:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:17:17 2015
 Response via : Initial Calibration

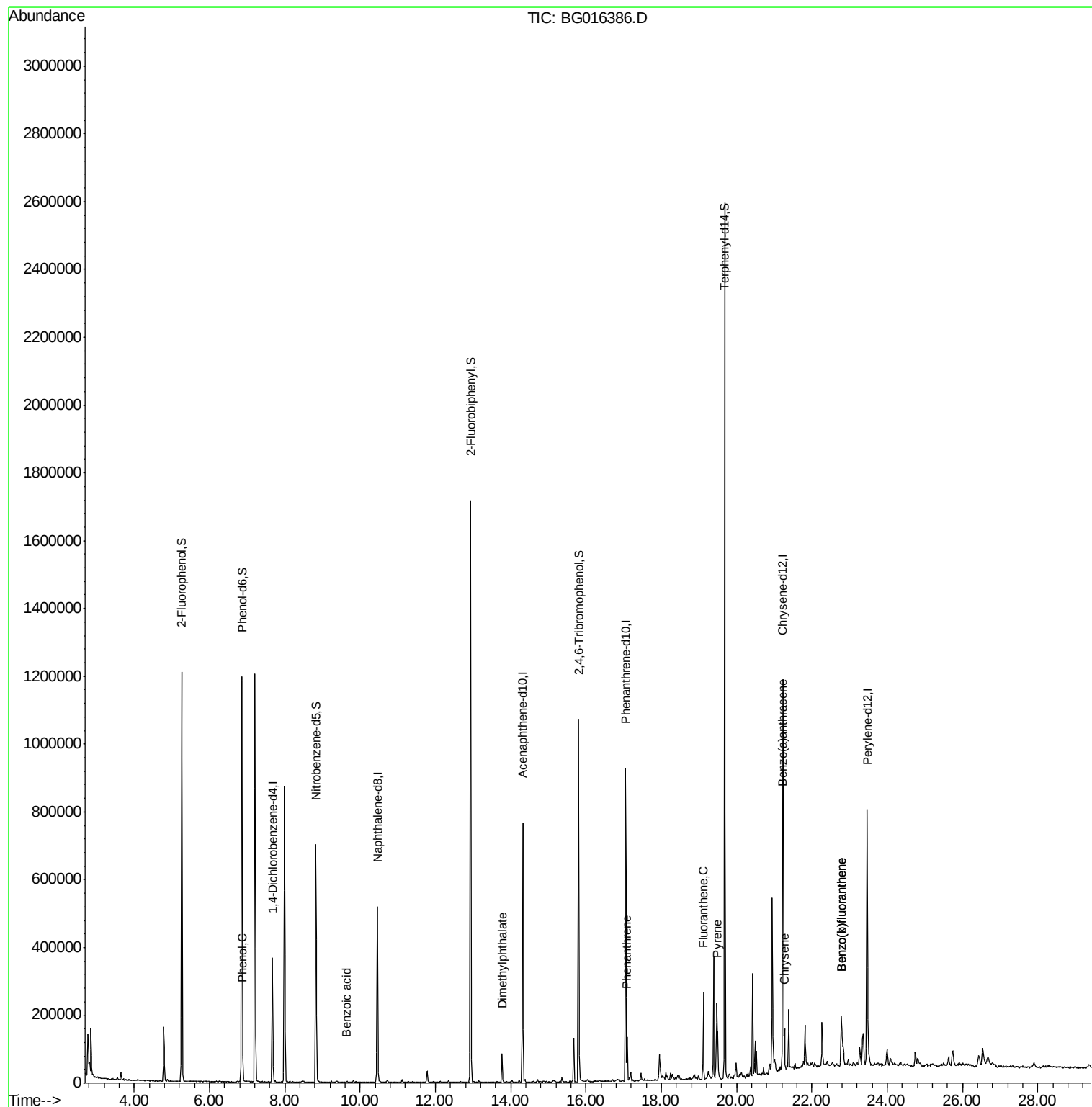
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	101128	20.00	ng	-0.03
21) Naphthalene-d8	10.46	136	445520	20.00	ng	-0.03
38) Acenaphthene-d10	14.32	164	249122	20.00	ng	-0.02
63) Phenanthrene-d10	17.06	188	505417	20.00	ng	-0.02
75) Chrysene-d12	21.24	240	453563	20.00	ng	-0.02
86) Perylene-d12	23.47	264	428670	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	550156	85.86	ng	-0.02
7) Phenol-d6	6.86	99	787959	81.91	ng	0.00
23) Nitrobenzene-d5	8.83	82	411723	53.54	ng	-0.03
41) 2,4,6-Tribromophenol	15.81	330	143311	85.06	ng	-0.02
44) 2-Fluorobiphenyl	12.94	172	828381	56.61	ng	-0.03
78) Terphenyl-d14	19.69	244	950915	49.07	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.88	94	22416	2.18	ng	98
32) Benzoic acid	9.65	122	604	8.84	ng	# 1
49) Dimethylphthalate	13.78	163	54769	3.00	ng	100
70) Phenanthrene	17.10	178	73482	2.58	ng	97
74) Fluoranthene	19.12	202	133829	4.57	ng	95
77) Pyrene	19.48	202	115253	3.65	ng	95
80) Benzo(a)anthracene	21.22	228	58978	2.20	ng	97
82) Chrysene	21.27	228	56486	2.18	ng	98
87) Benzo(b)fluoranthene	22.80	252	70481	2.81	ng	98
88) Benzo(k)fluoranthene	22.80	252	70481	2.87	ng	98

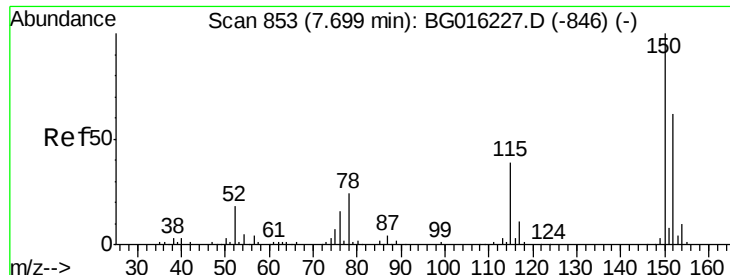
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.67 min Scan# 848

Delta R.T. -0.03 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampled :

PE-7

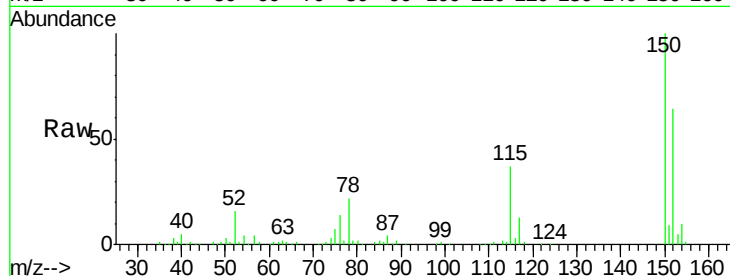
Tgt Ion:152 Resp: 101128

Ion Ratio Lower Upper

152 100

150 157.4 130.1 195.1

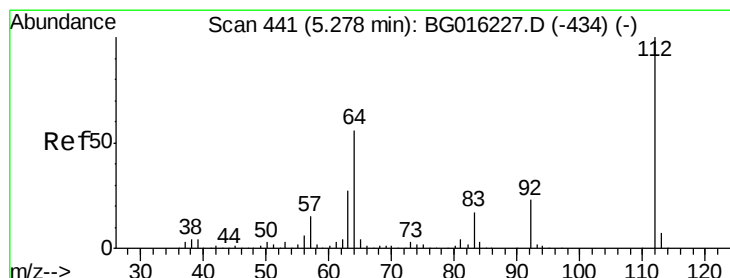
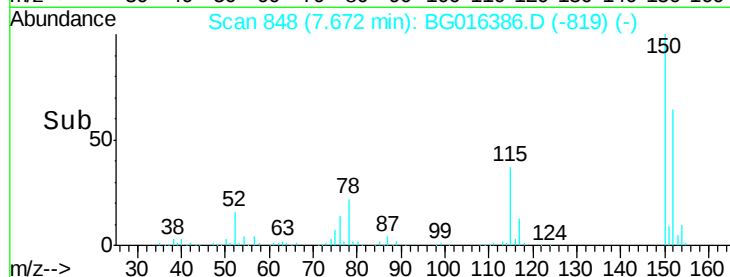
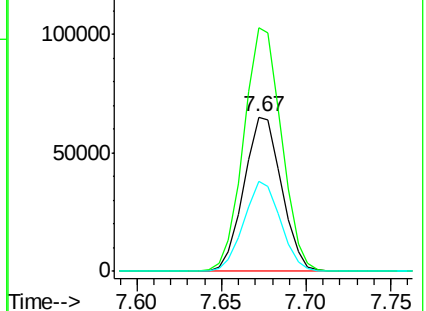
115 58.1 50.5 75.7



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: 85.86 ng

RT: 5.26 min Scan# 438

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

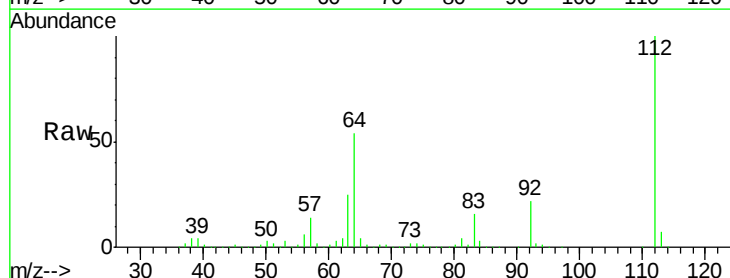
Tgt Ion:112 Resp: 550156

Ion Ratio Lower Upper

112 100

64 53.5 44.5 66.7

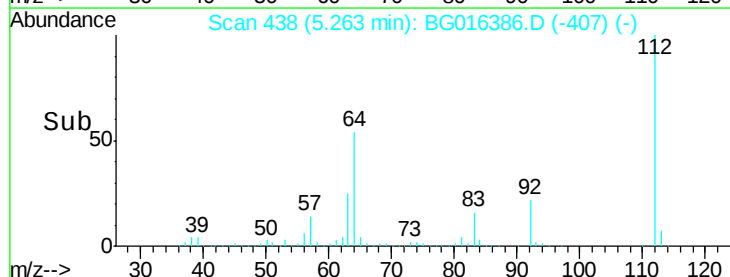
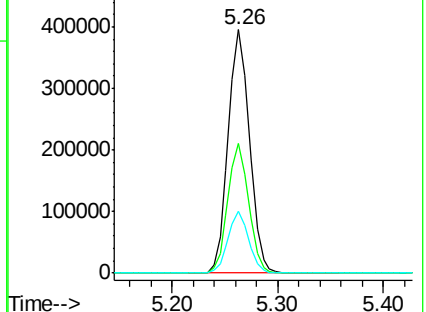
63 25.5 21.4 32.0

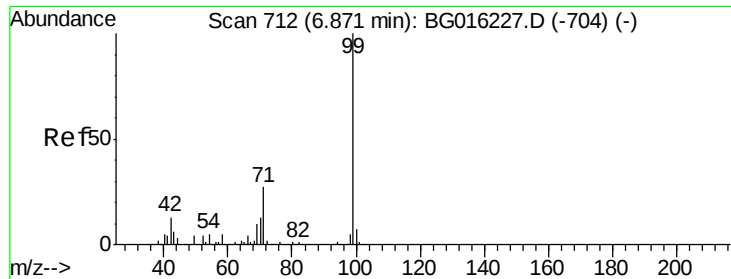


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 81.91 ng

RT: 6.86 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

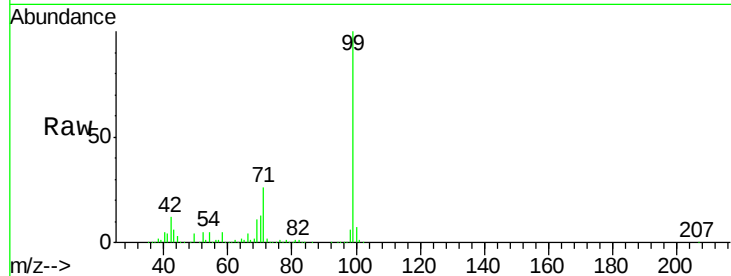
Tgt Ion: 99 Resp: 787959

Ion Ratio Lower Upper

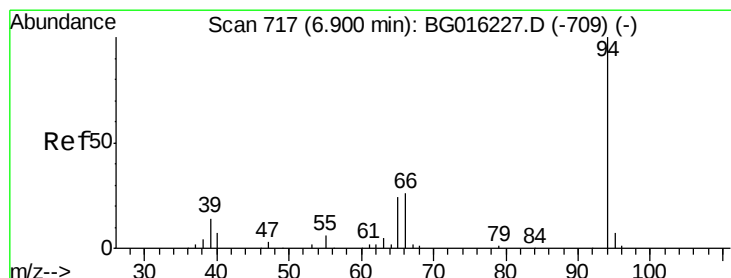
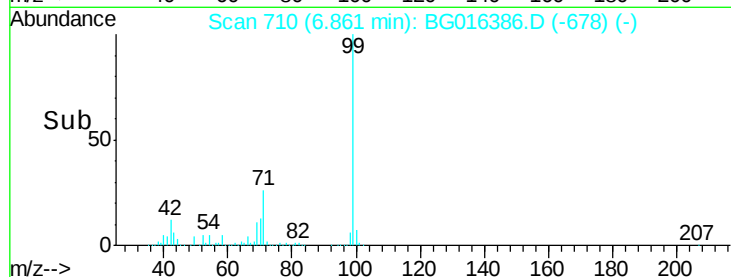
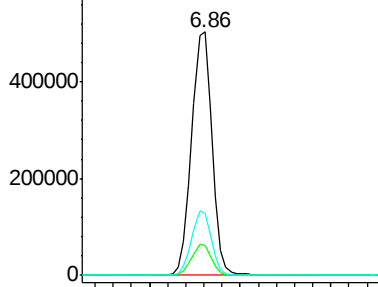
99 100

42 12.2 10.0 15.0

71 25.6 21.5 32.3



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



#10

Phenol

Concen: 2.18 ng

RT: 6.88 min Scan# 714

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

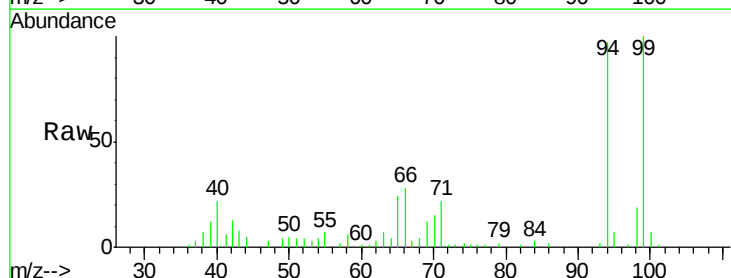
Tgt Ion: 94 Resp: 22416

Ion Ratio Lower Upper

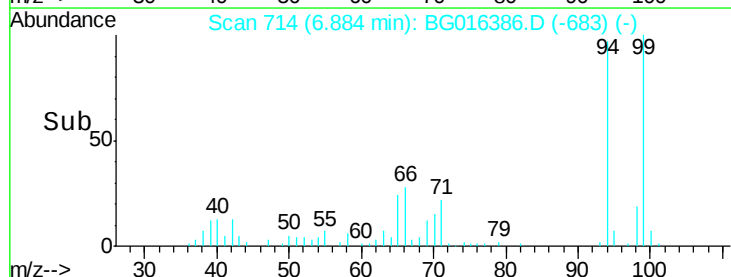
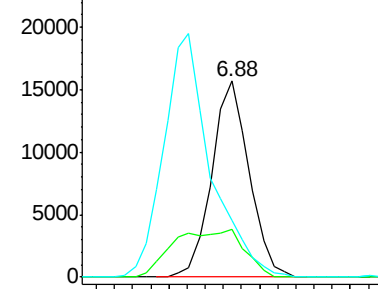
94 100

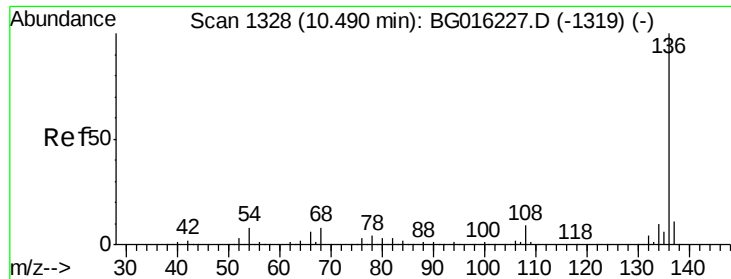
65 24.4 3.8 43.8

66 28.9 7.4 47.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

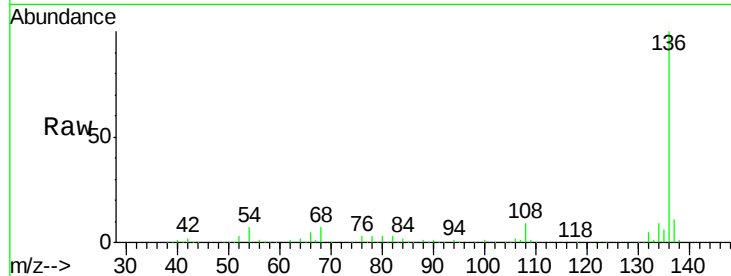




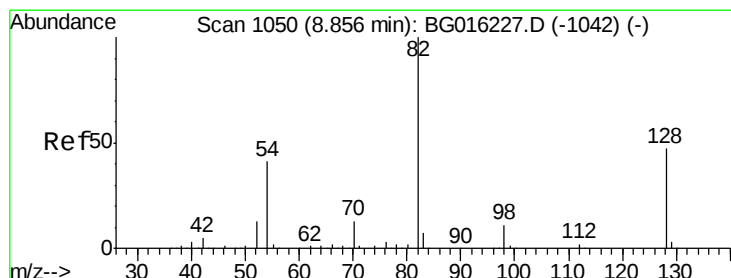
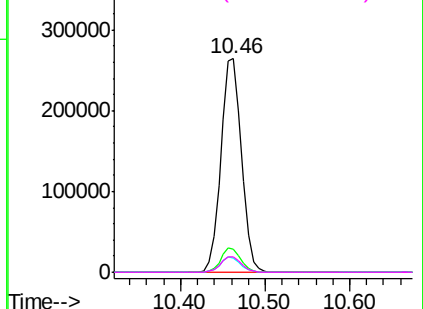
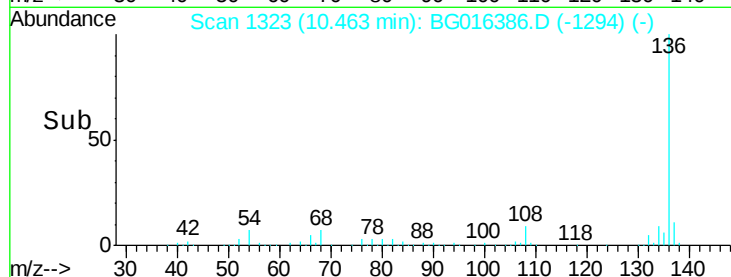
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.46 min Scan# 1323
Delta R.T. -0.03 min
Lab File: BG016386.D
Acq: 14 Apr 2015 7:46

Instrument :
BNA_G
ClientSampleId :
PE-7

Tgt Ion:	136	Resp:	445520
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.7	6.3	9.5
68	7.2	6.5	9.7

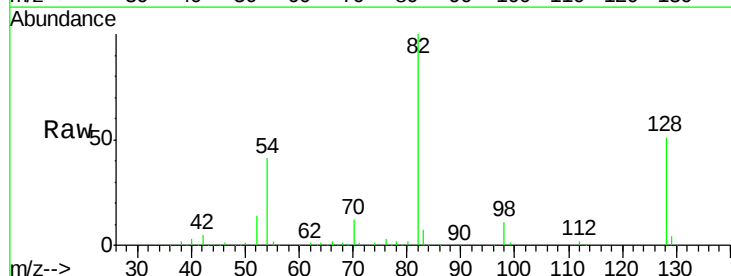


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

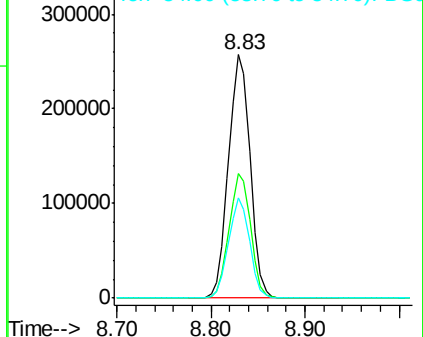
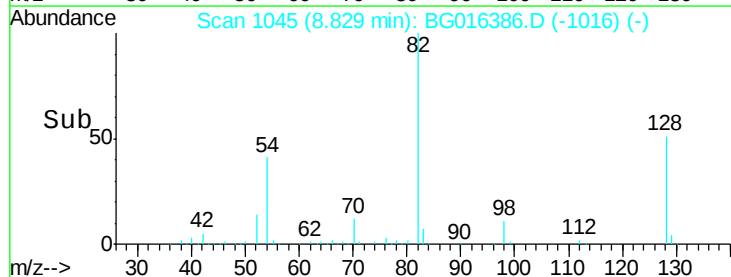


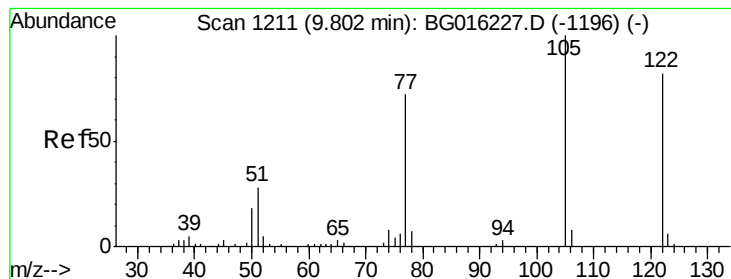
#23
Nitrobenzene-d5
Concen: 53.54 ng
RT: 8.83 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG016386.D
Acq: 14 Apr 2015 7:46

Tgt Ion:	82	Resp:	411723
Ion	Ratio	Lower	Upper
82	100		
128	50.9	37.8	56.8
54	41.1	32.6	49.0



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





#32

Benzoic acid

Concen: 8.84 ng

RT: 9.65 min Scan# 1185

Delta R.T. -0.15 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

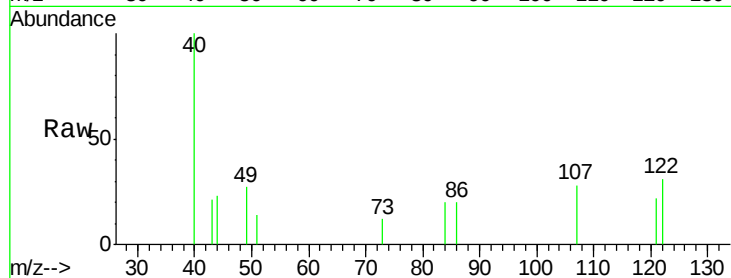
Tgt Ion:122 Resp: 604

Ion Ratio Lower Upper

122 100

105 0.0 99.7 139.7#

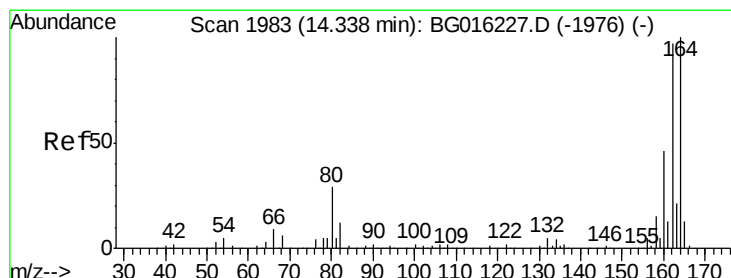
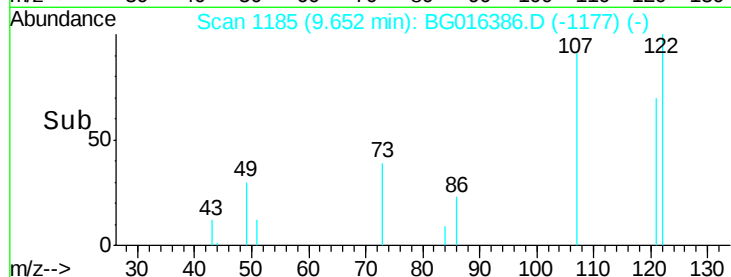
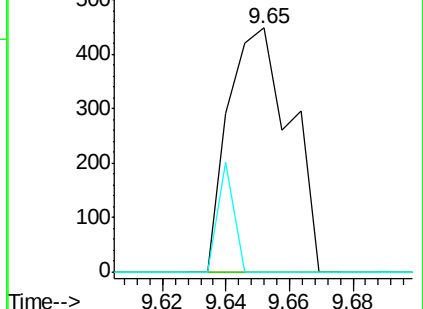
77 0.0 66.8 106.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.32 min Scan# 1979

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

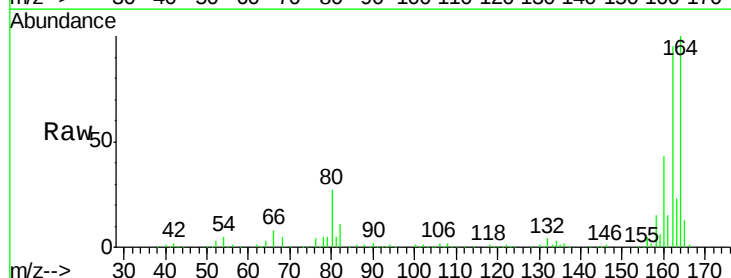
Tgt Ion:164 Resp: 249122

Ion Ratio Lower Upper

164 100

162 95.1 77.3 115.9

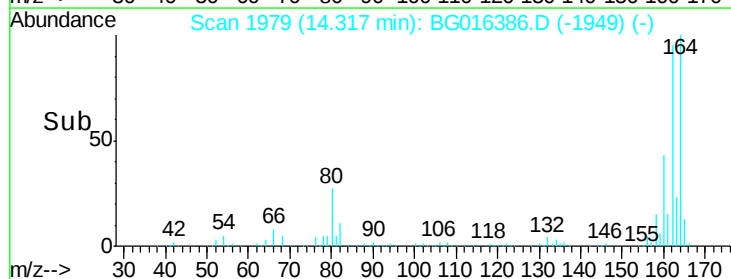
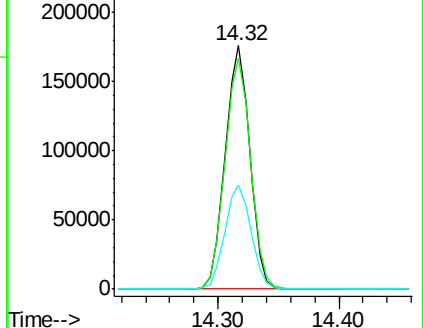
160 42.5 36.7 55.1

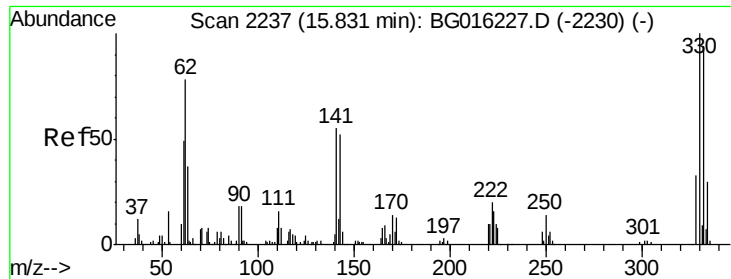


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

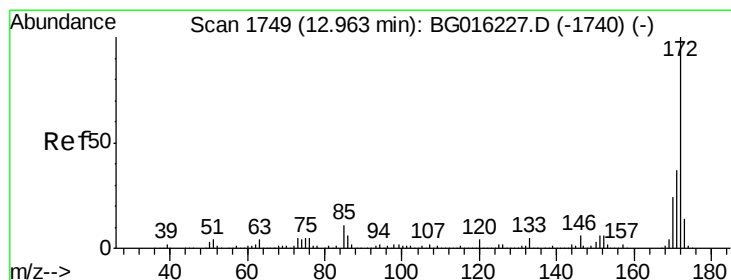
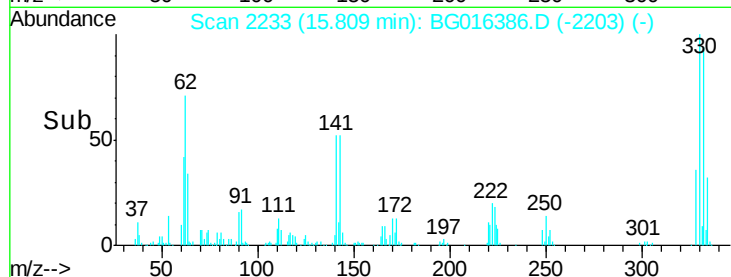
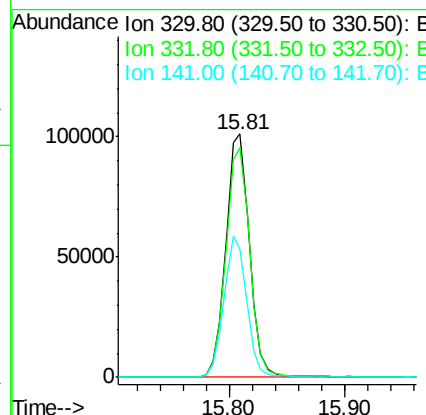
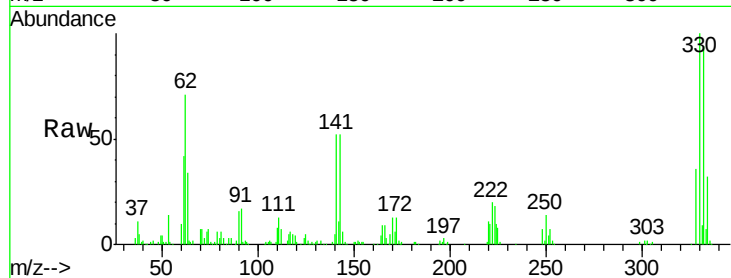




#41
 2,4,6-Tribromophenol
 Concen: 85.06 ng
 RT: 15.81 min Scan# 2233
 Delta R.T. -0.02 min
 Lab File: BG016386.D
 Acq: 14 Apr 2015 7:46

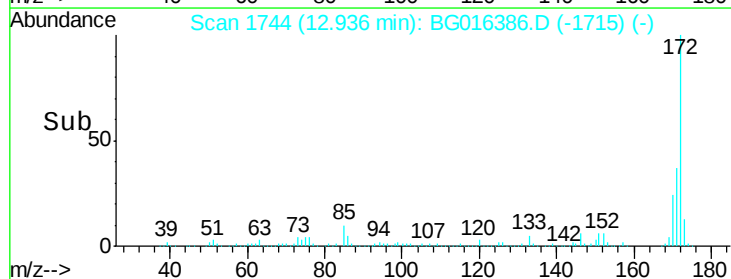
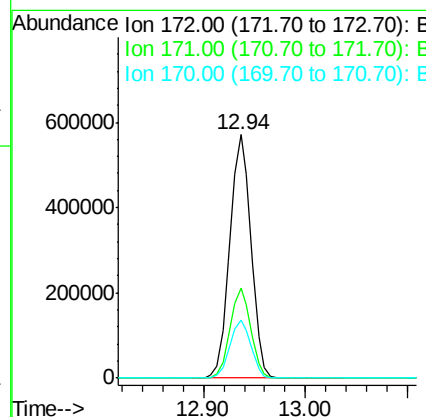
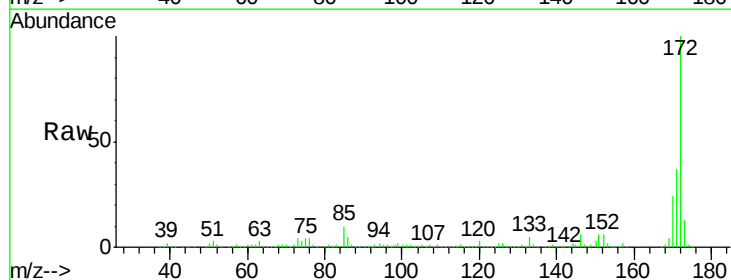
Instrument :
 BNA_G
 ClientSampled :
 PE-7

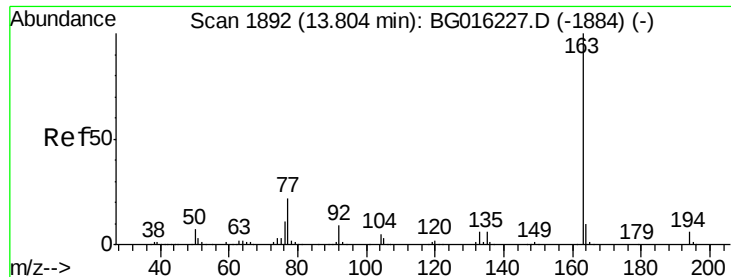
Tgt Ion:330 Resp: 143311
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.8 113.6
 141 56.2 46.6 69.8



#44
 2-Fluorobiphenyl
 Concen: 56.61 ng
 RT: 12.94 min Scan# 1744
 Delta R.T. -0.03 min
 Lab File: BG016386.D
 Acq: 14 Apr 2015 7:46

Tgt Ion:172 Resp: 828381
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.0 19.4 29.2





#49

Dimethylphthalate

Concen: 3.00 ng

RT: 13.78 min Scan# 1887

Delta R.T. -0.03 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampled :

PE-7

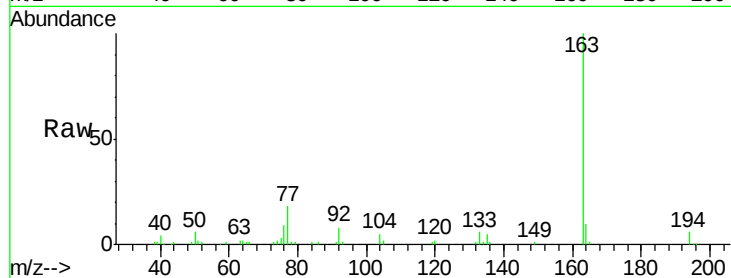
Tgt Ion:163 Resp: 54769

Ion Ratio Lower Upper

163 100

194 6.0 5.0 7.4

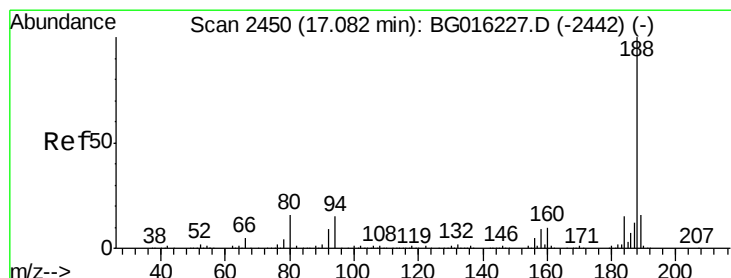
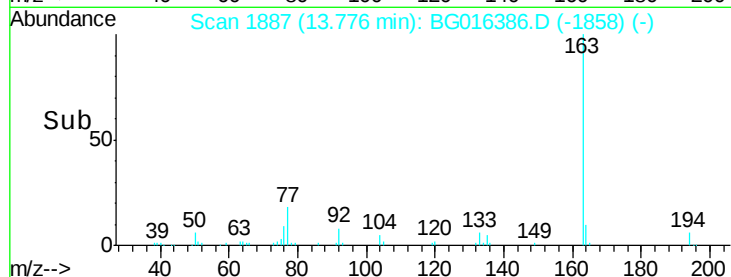
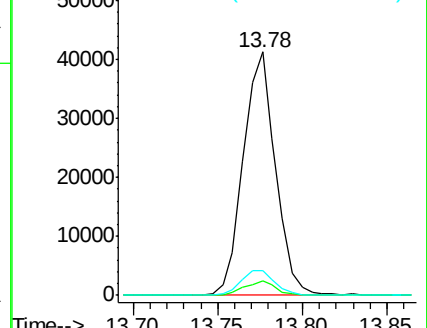
164 10.2 8.2 12.4



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: 17.06 min Scan# 2446

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

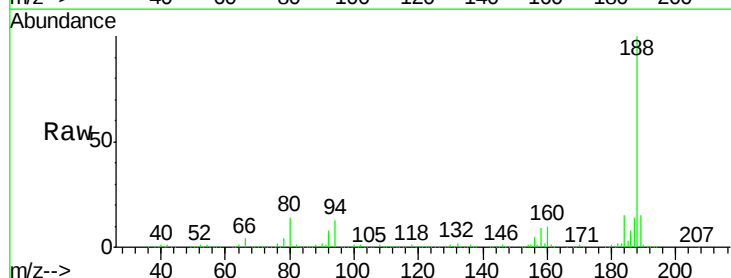
Tgt Ion:188 Resp: 505417

Ion Ratio Lower Upper

188 100

94 13.5 12.2 18.4

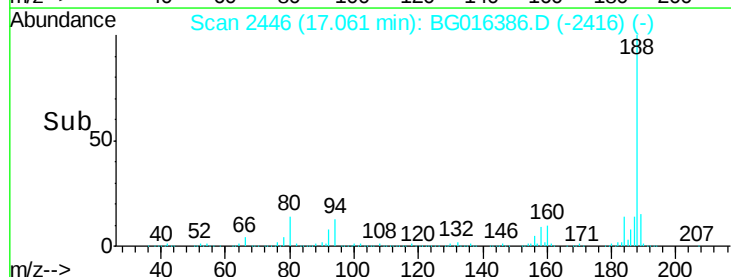
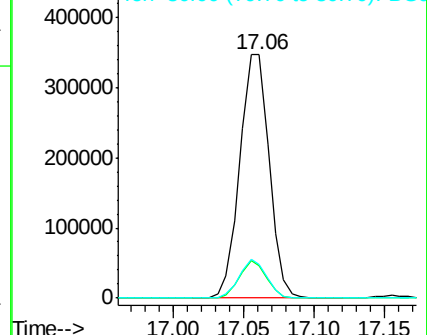
80 14.0 12.8 19.2

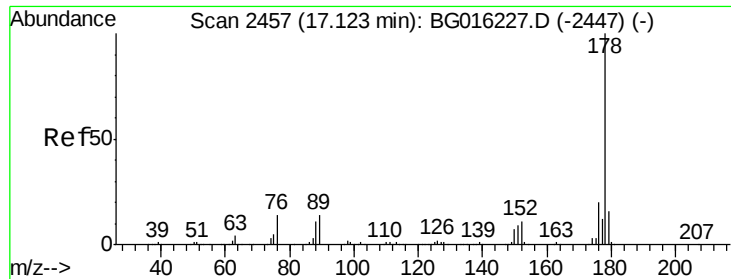


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.58 ng

RT: 17.10 min Scan# 2452

Delta R.T. -0.03 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

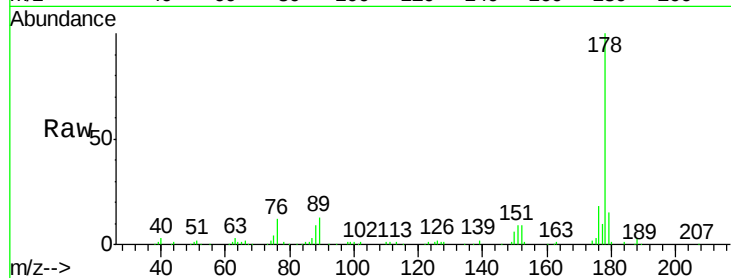
Tgt Ion:178 Resp: 73482

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

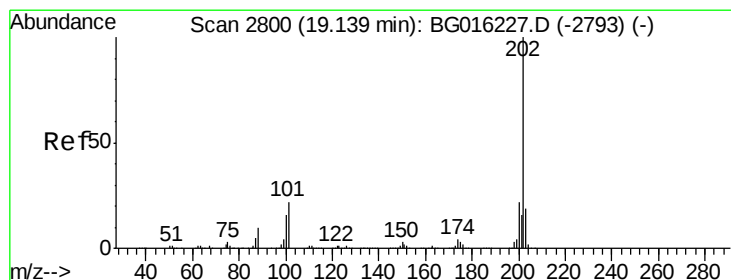
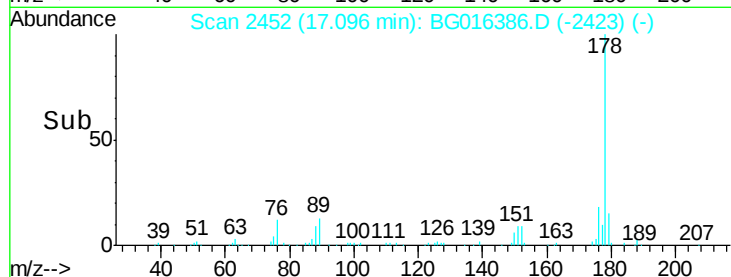
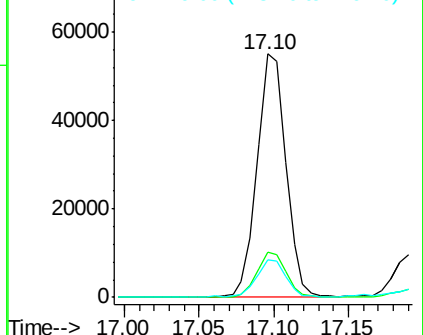
179 15.3 12.7 19.1



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: 4.57 ng

RT: 19.12 min Scan# 2796

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

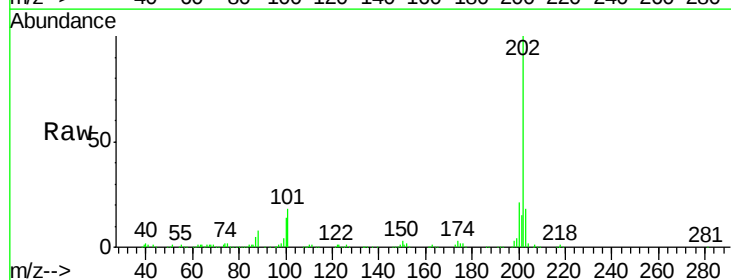
Tgt Ion:202 Resp: 133829

Ion Ratio Lower Upper

202 100

101 18.3 1.7 41.7

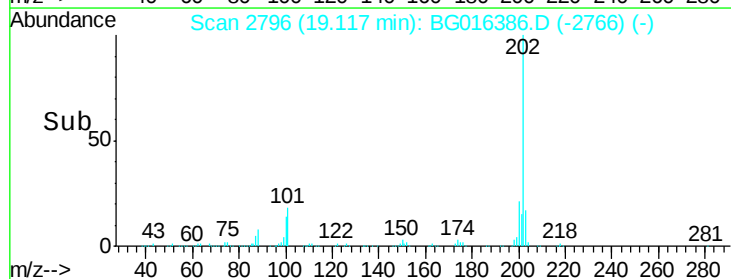
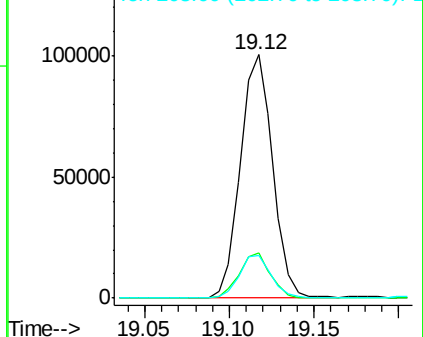
203 17.6 0.0 38.7

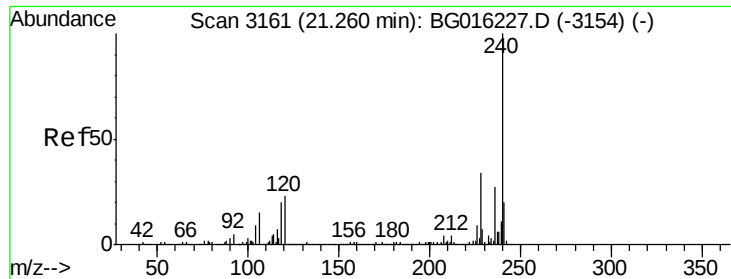


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.24 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

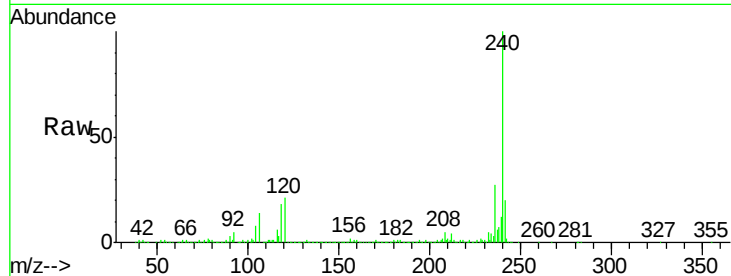
Tgt Ion:240 Resp: 453563

Ion Ratio Lower Upper

240 100

120 21.1 18.6 28.0

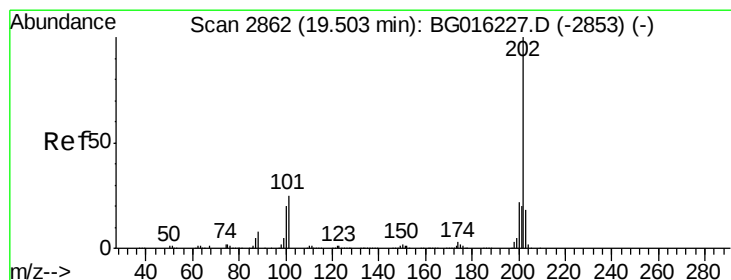
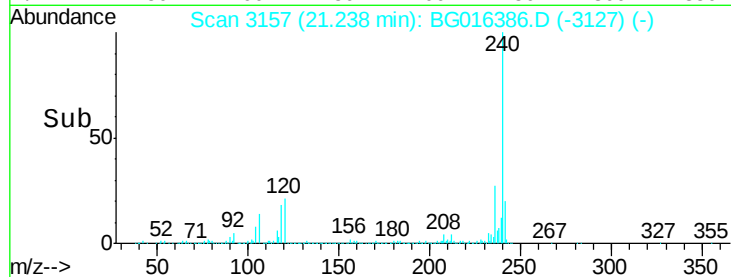
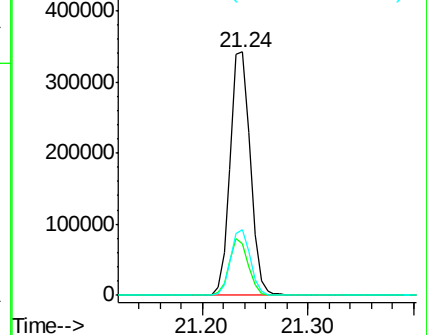
236 27.2 21.7 32.5



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: 3.65 ng

RT: 19.48 min Scan# 2857

Delta R.T. -0.03 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

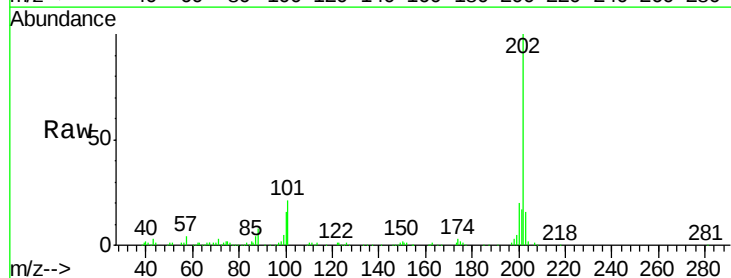
Tgt Ion:202 Resp: 115253

Ion Ratio Lower Upper

202 100

200 19.8 17.8 26.8

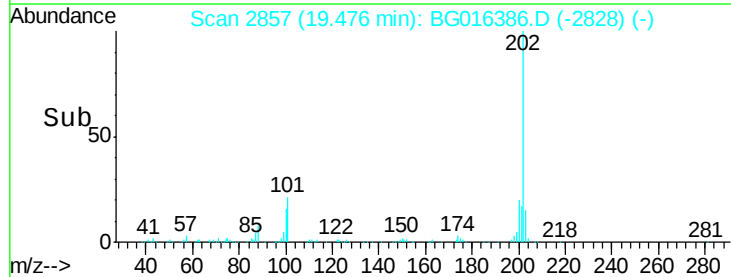
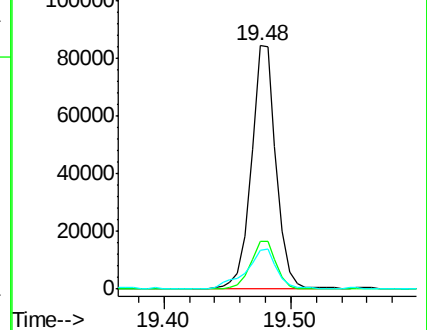
203 15.9 14.7 22.1

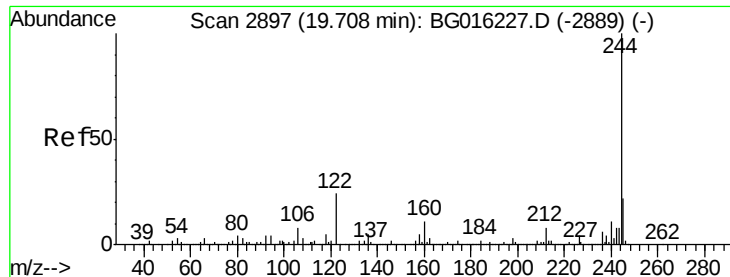


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.07 ng

RT: 19.69 min Scan# 2893

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

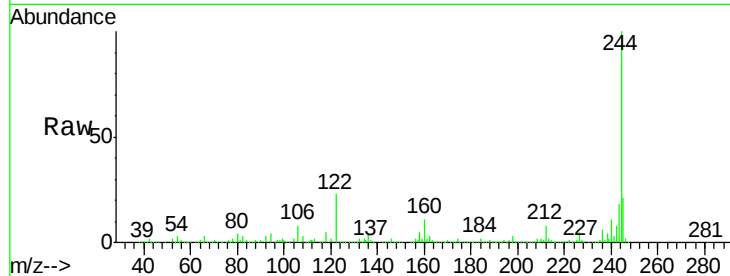
Tgt Ion:244 Resp: 950915

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

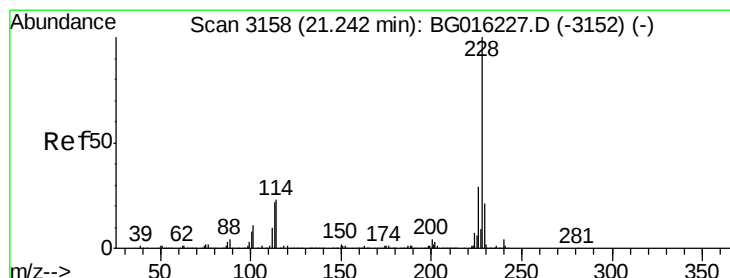
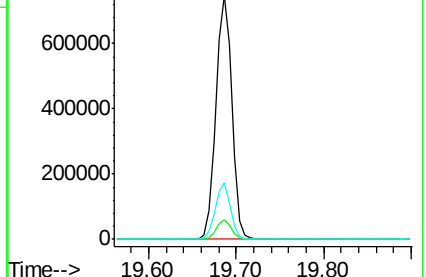
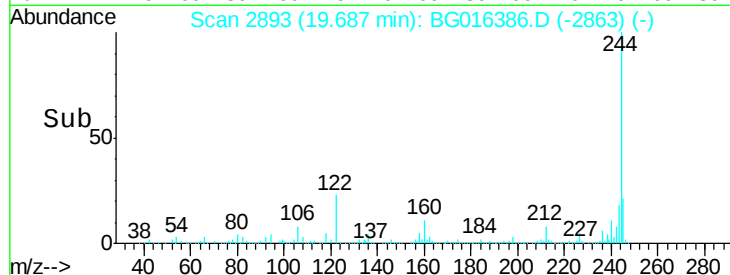
122 23.1 19.1 28.7



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: 2.20 ng

RT: 21.22 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

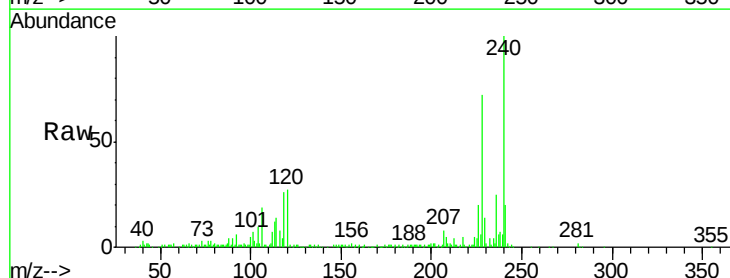
Tgt Ion:228 Resp: 58978

Ion Ratio Lower Upper

228 100

226 27.8 23.5 35.3

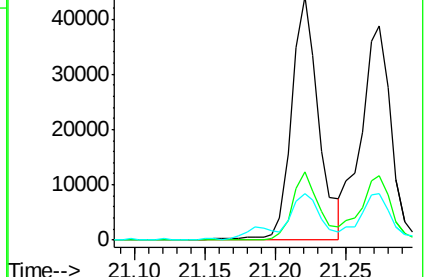
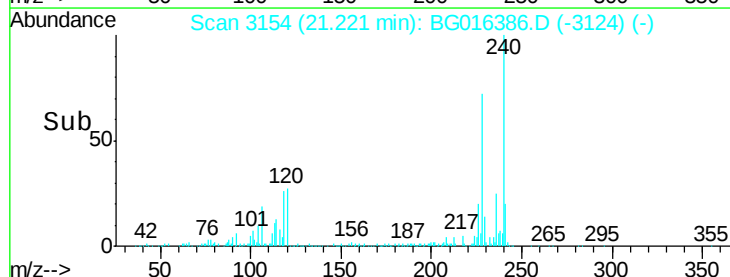
229 19.3 16.8 25.2

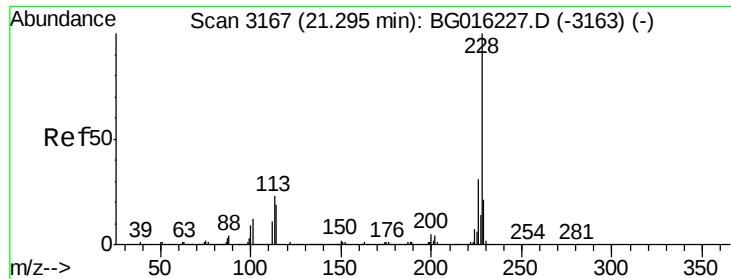


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.18 ng

RT: 21.27 min Scan# 3163

Delta R.T. -0.02 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

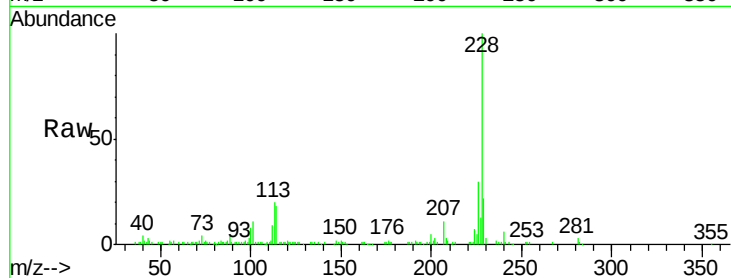
Tgt Ion:228 Resp: 56486

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.4

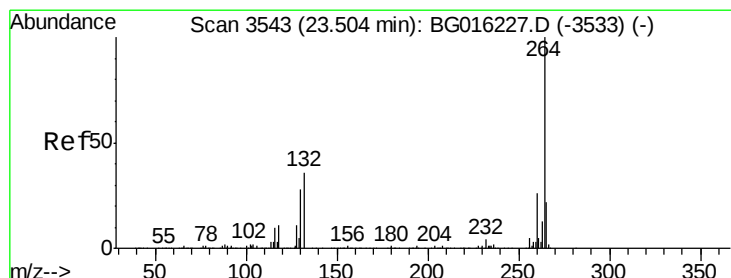
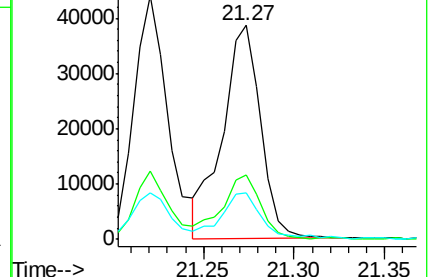
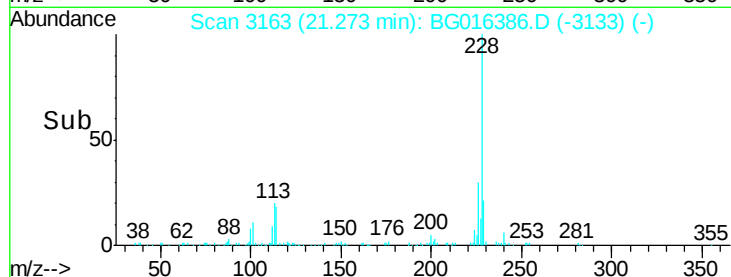
229 21.6 17.0 25.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.47 min Scan# 3537

Delta R.T. -0.03 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

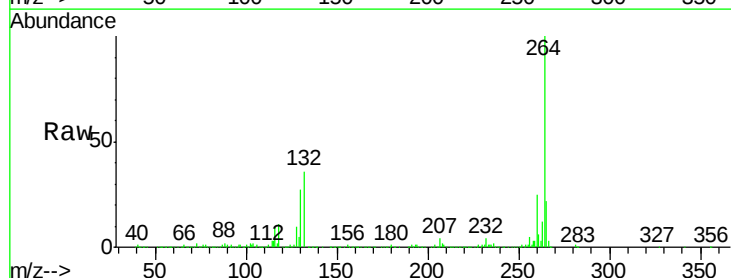
Tgt Ion:264 Resp: 428670

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

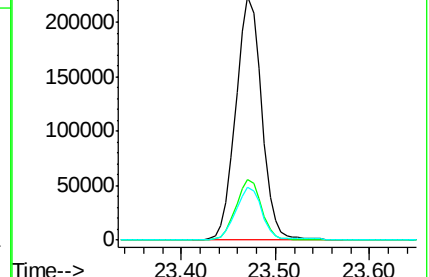
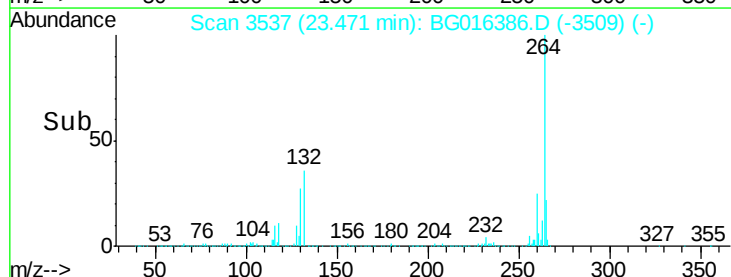
265 21.7 17.2 25.8

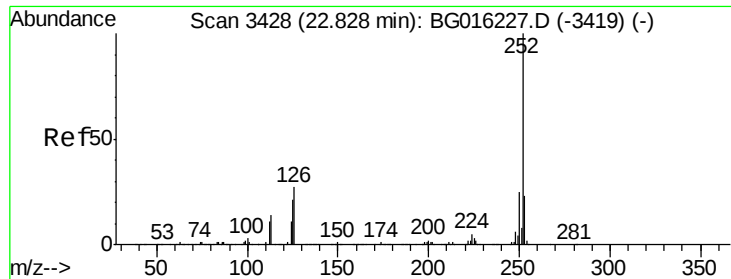


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.81 ng

RT: 22.80 min Scan# 3422

Delta R.T. -0.03 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

Instrument :

BNA_G

ClientSampleId :

PE-7

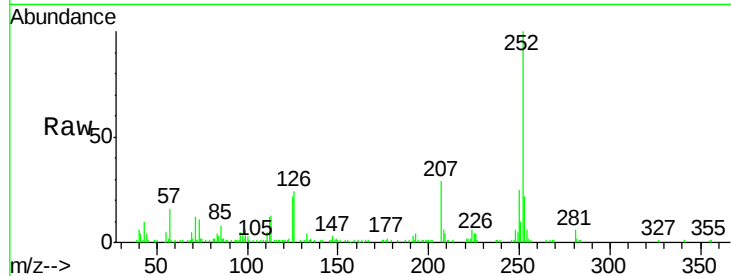
Tgt Ion:252 Resp: 70481

Ion Ratio Lower Upper

252 100

253 22.3 18.5 27.7

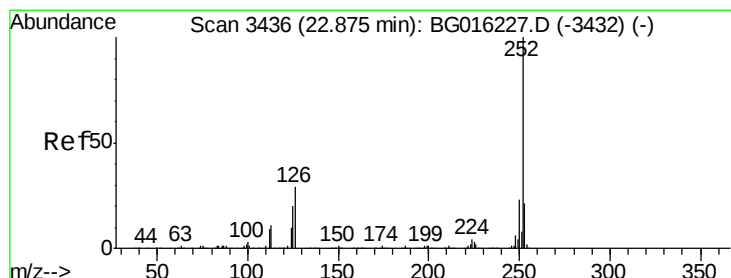
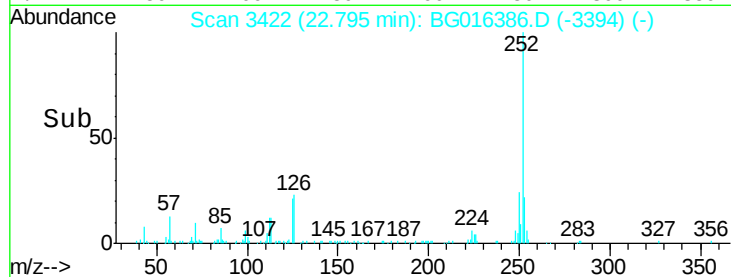
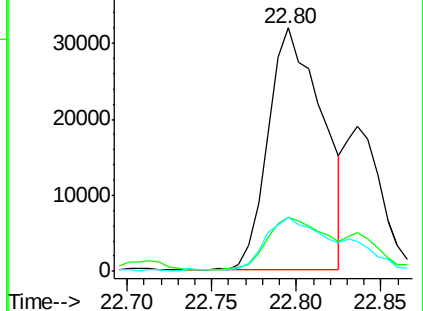
125 22.2 17.0 25.6



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: 2.87 ng

RT: 22.80 min Scan# 3422

Delta R.T. -0.08 min

Lab File: BG016386.D

Acq: 14 Apr 2015 7:46

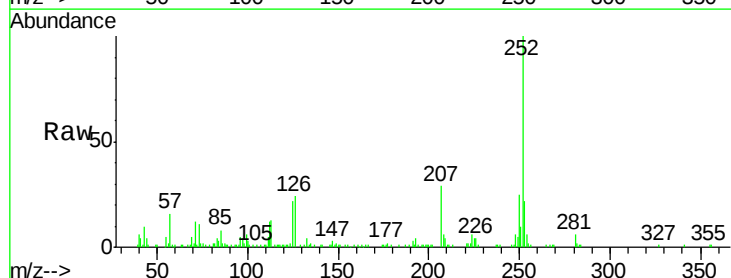
Tgt Ion:252 Resp: 70481

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 22.2 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

