

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
 Data File : BG016776.D
 Acq On : 28 Apr 2015 21:55
 Operator : TP/IZ
 Sample : G2022-08 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0

Quant Time: Apr 29 01:15:55 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

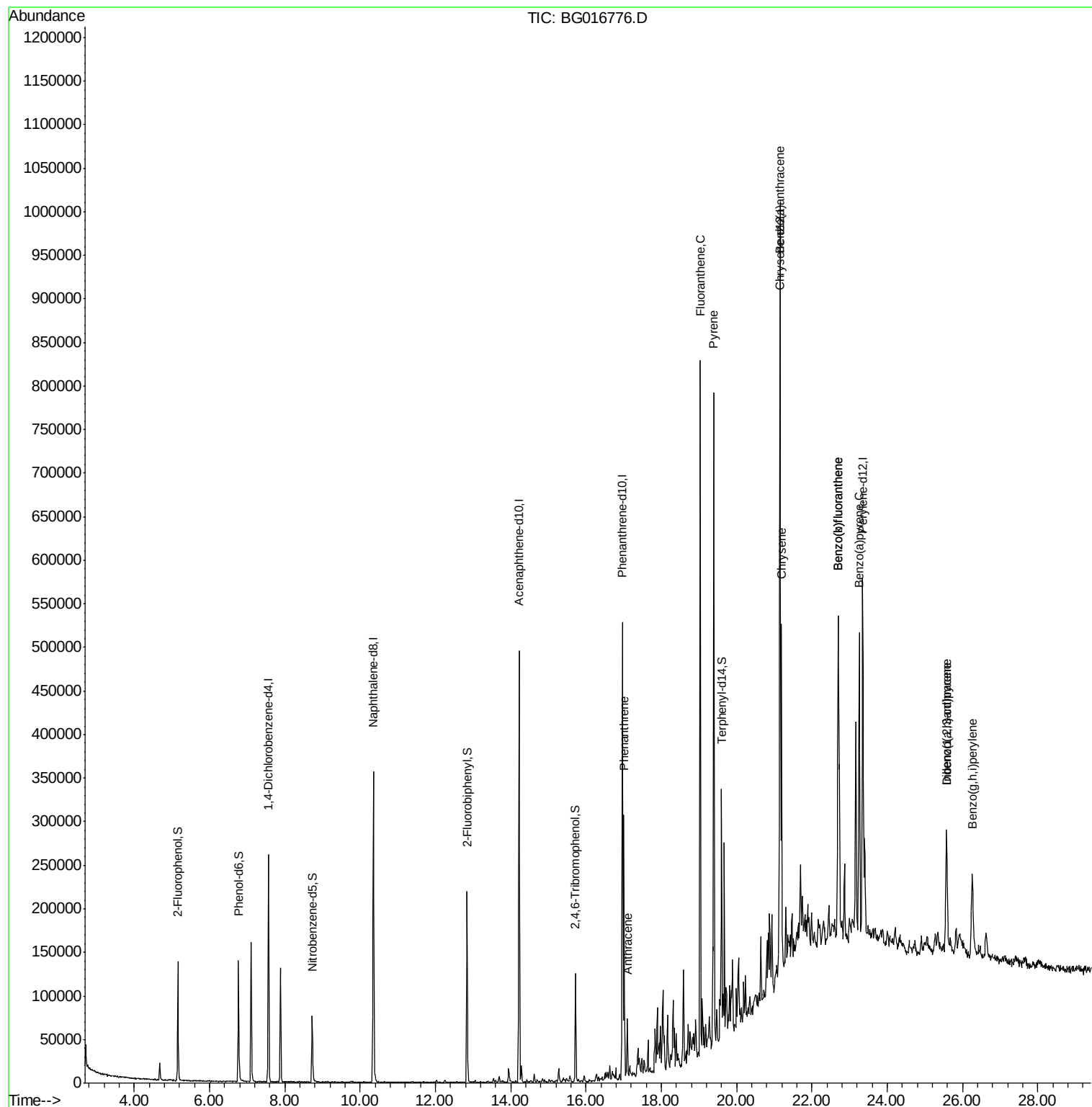
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	73554	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	308880	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163061	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	294862	20.00	ng	0.00
75) Chrysene-d12	21.16	240	251007	20.00	ng	0.00
86) Perylene-d12	23.36	264	242356	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	74833	16.51	ng	0.00
7) Phenol-d6	6.77	99	102069	16.05	ng	0.00
23) Nitrobenzene-d5	8.73	82	51174	10.47	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	19181	15.86	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	119003	11.73	ng	0.00
78) Terphenyl-d14	19.60	244	113222	10.39	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.01	178	177949	10.51	ng	99
71) Anthracene	17.10	178	39842	2.36	ng	94
74) Fluoranthene	19.03	202	416273	23.19	ng	96
77) Pyrene	19.40	202	400081	22.69	ng	98
80) Benzo(a)anthracene	21.14	228	216094	14.20	ng	99
82) Chrysene	21.20	228	189592	12.99	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	116606	7.33	ng	# 87
87) Benzo(b)fluoranthene	22.69	252	360072	24.46	ng	99
88) Benzo(k)fluoranthene	22.69	252	360072	25.06	ng	99
89) Benzo(a)pyrene	23.26	252	208791	15.05	ng	98
90) Dibenzo(a,h)anthracene	25.58	278	31297	2.32	ng	# 66
91) Benzo(g,h,i)perylene	26.27	276	114105	8.31	ng	96

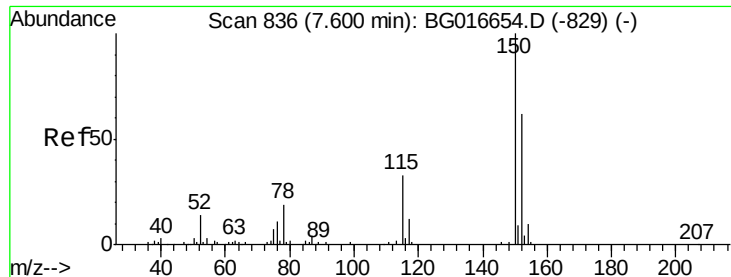
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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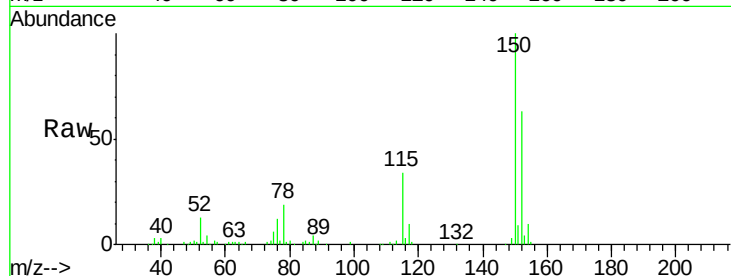


#1

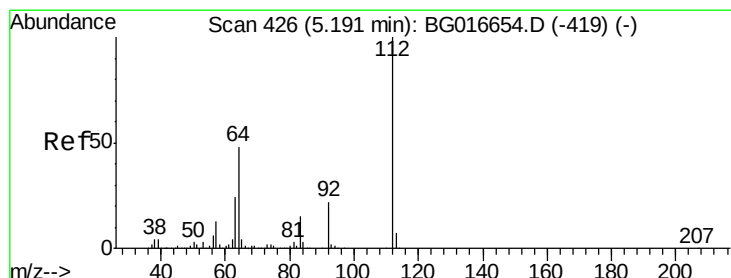
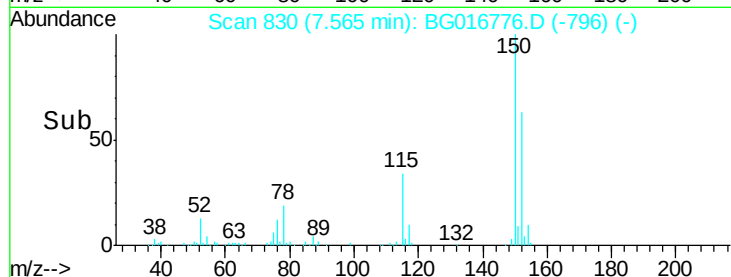
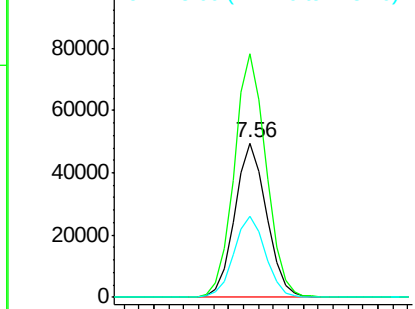
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.56 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0

Tgt Ion:152 Resp: 73554
 Ion Ratio Lower Upper
 152 100
 150 157.6 129.6 194.4
 115 52.8 43.0 64.6



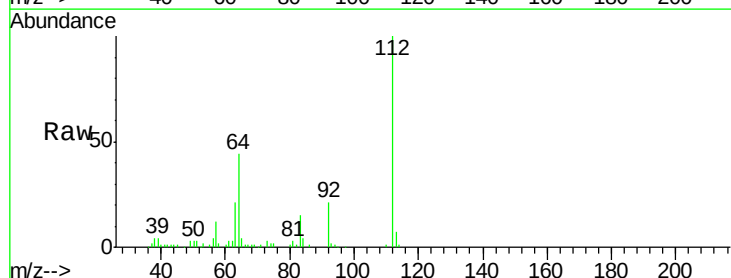
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



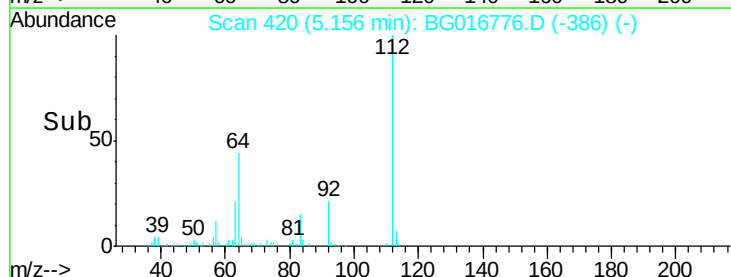
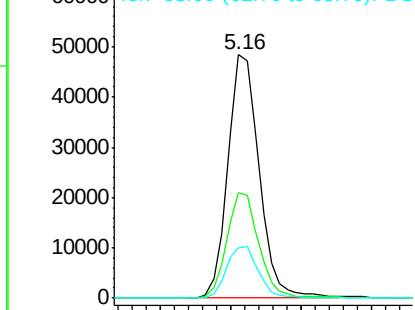
#5

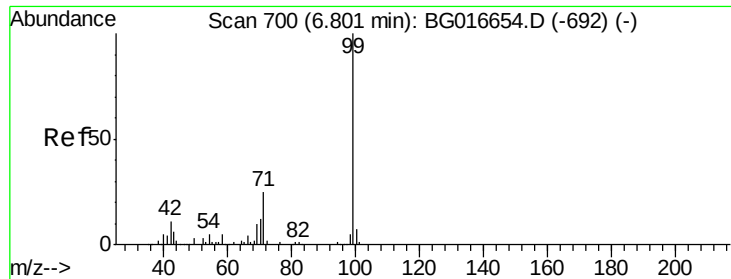
2-Fluorophenol
 Concen: 16.51 ng
 RT: 5.16 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

Tgt Ion:112 Resp: 74833
 Ion Ratio Lower Upper
 112 100
 64 43.5 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): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 16.05 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

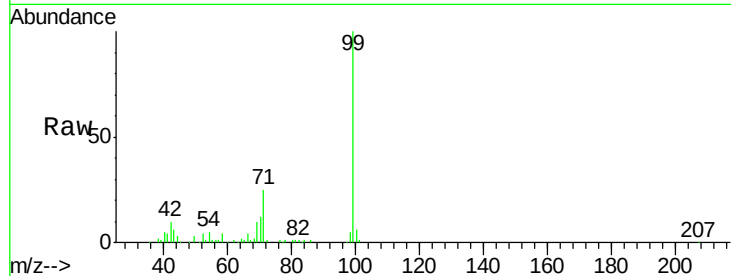
Tgt Ion: 99 Resp: 102069

Ion Ratio Lower Upper

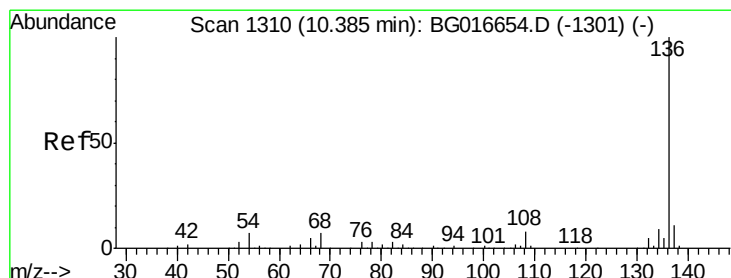
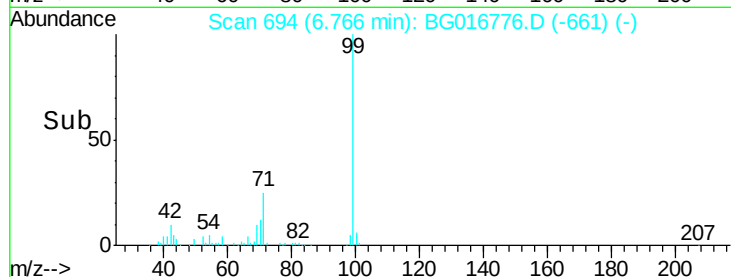
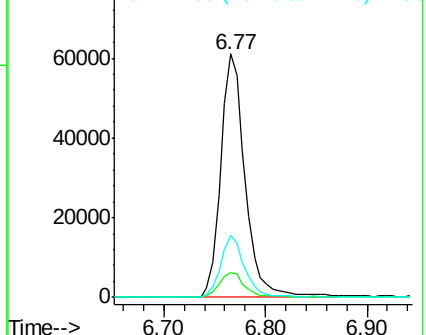
99 100

42 10.3 8.8 13.2

71 25.4 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: BG016776.D

Acq: 28 Apr 2015 21:55

Tgt Ion: 136 Resp: 308880

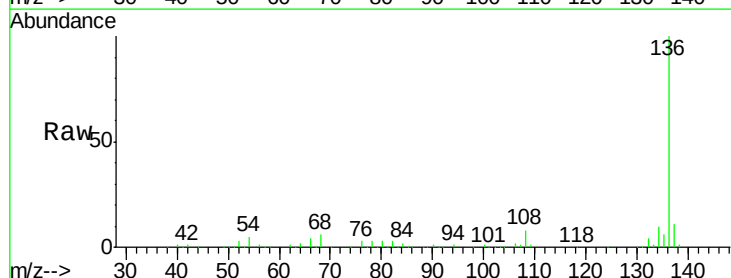
Ion Ratio Lower Upper

136 100

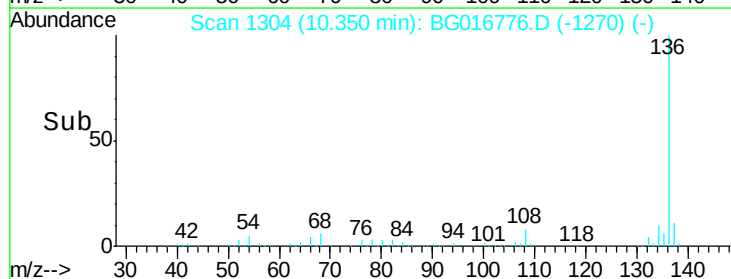
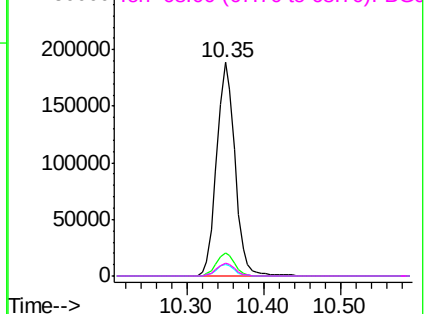
137 11.0 8.5 12.7

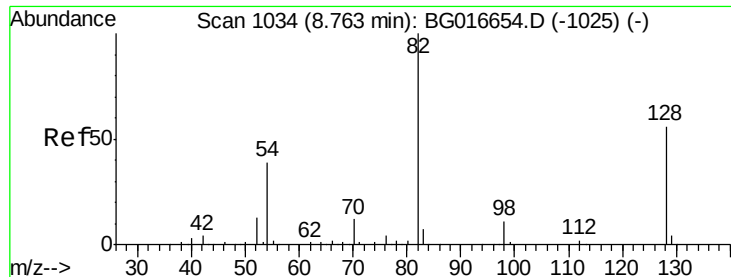
54 5.4 5.4 8.2#

68 5.7 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

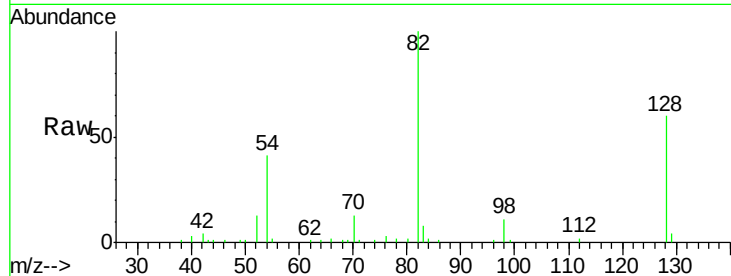




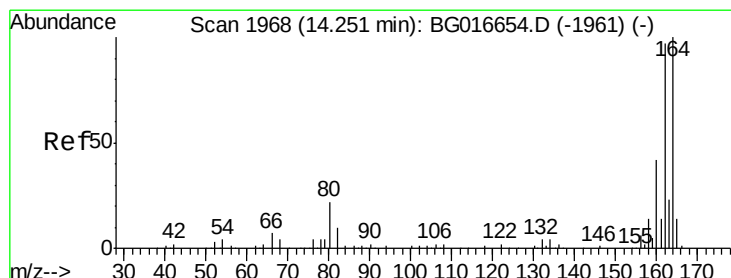
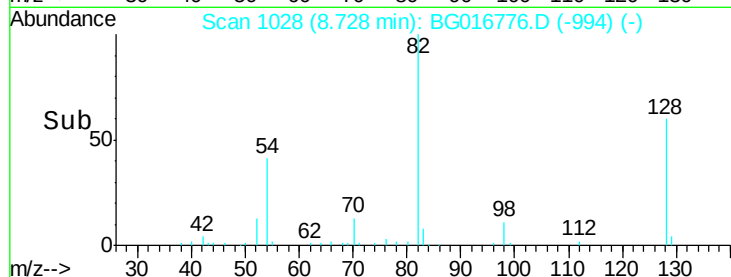
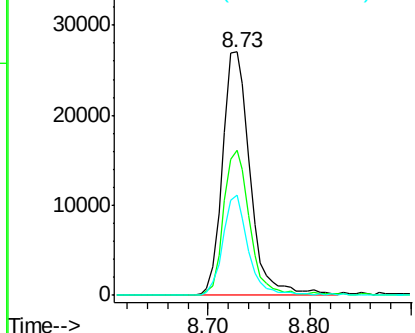
#23
 Nitrobenzene-d5
 Concen: 10.47 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0

Tgt Ion: 82 Resp: 51174
 Ion Ratio Lower Upper
 82 100
 128 59.6 44.7 67.1
 54 41.3 30.9 46.3

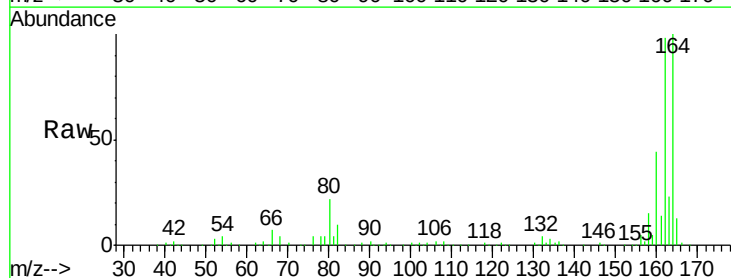


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

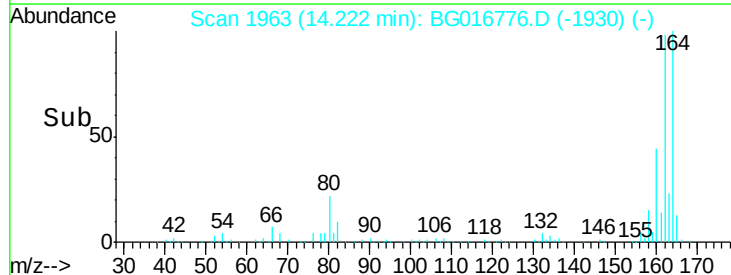
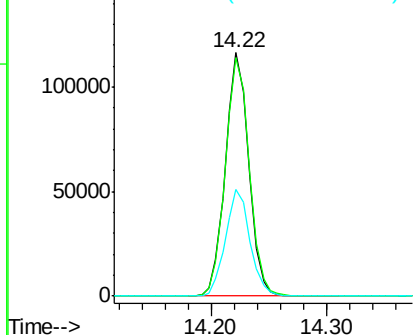


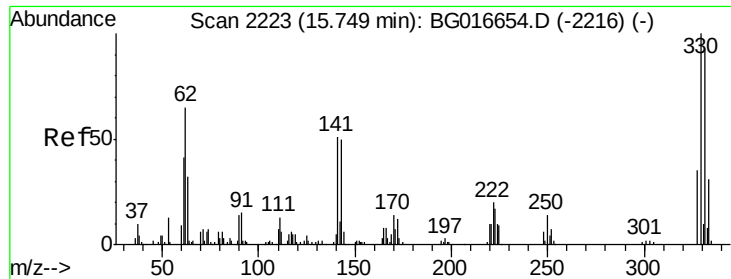
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

Tgt Ion: 164 Resp: 163061
 Ion Ratio Lower Upper
 164 100
 162 97.8 77.3 115.9
 160 44.0 33.7 50.5



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: 15.86 ng

RT: 15.72 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

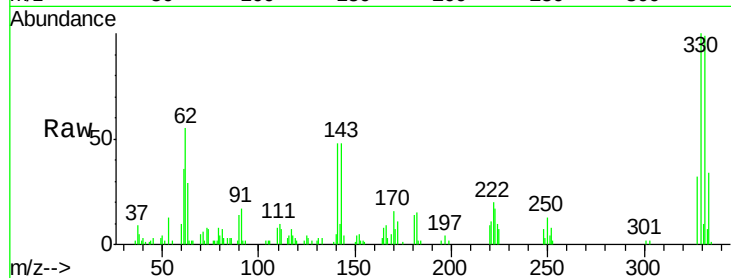
Tgt Ion:330 Resp: 19181

Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

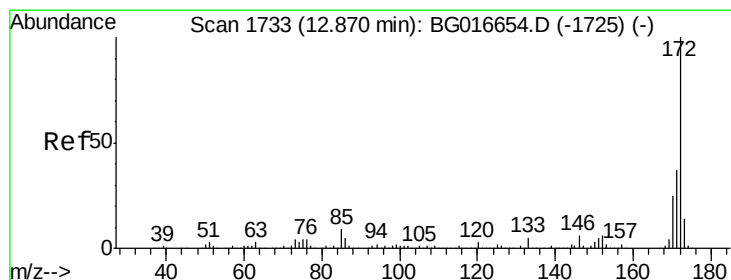
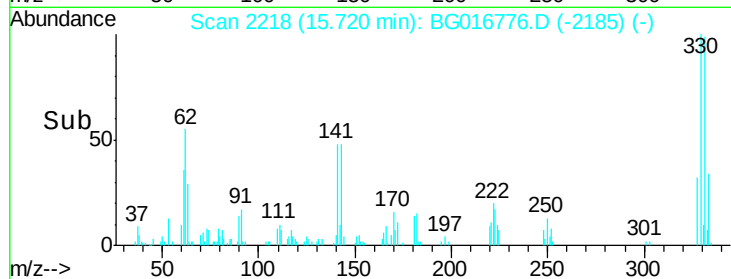
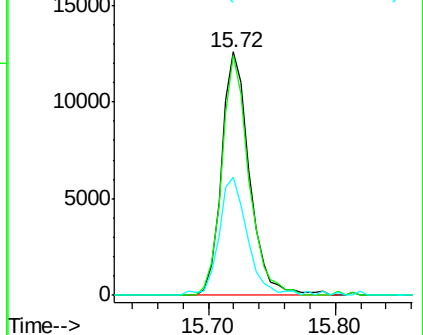
141 49.5 43.0 64.6



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: 11.73 ng

RT: 12.84 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

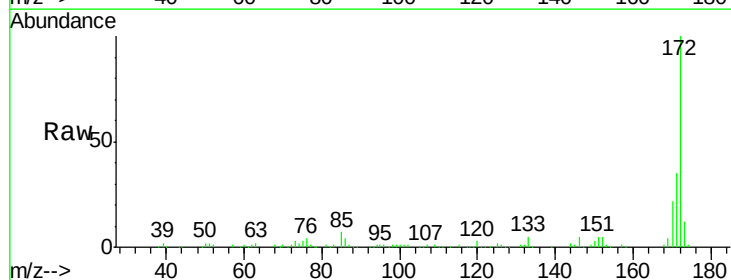
Tgt Ion:172 Resp: 119003

Ion Ratio Lower Upper

172 100

171 35.4 29.9 44.9

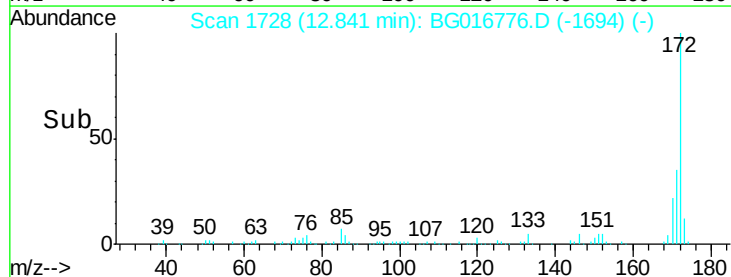
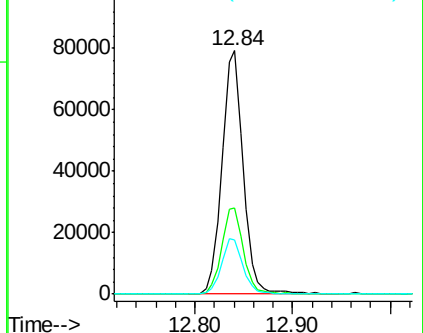
170 22.5 19.8 29.8

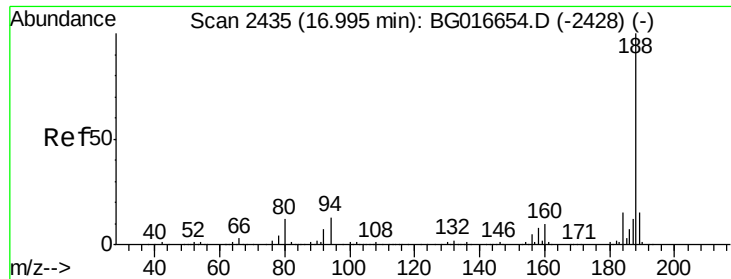


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

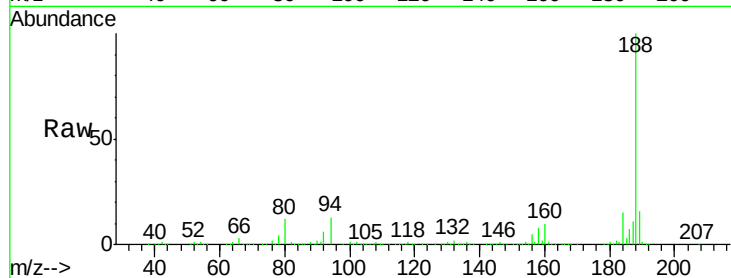




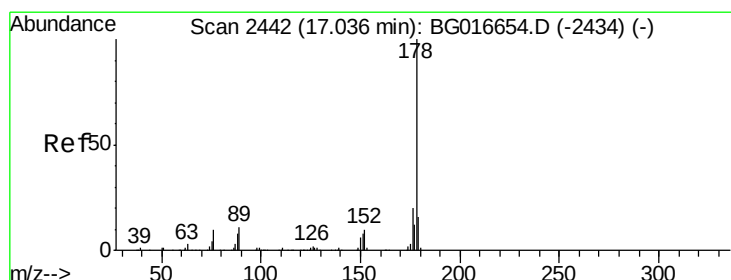
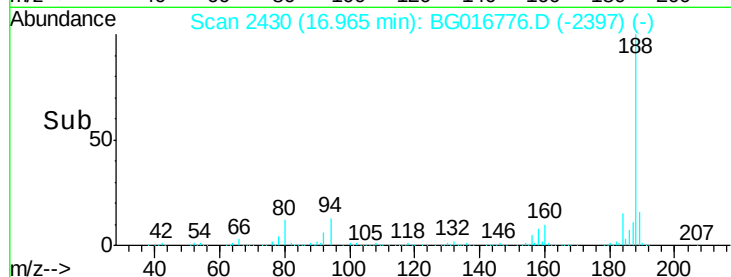
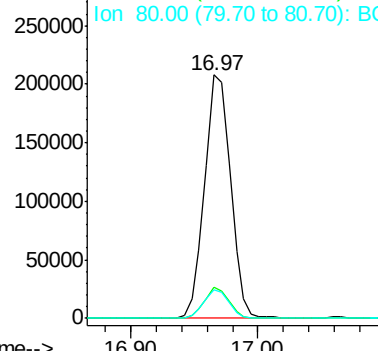
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 16.97 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-0-2.0

Tgt Ion:188 Resp: 294862
 Ion Ratio Lower Upper
 188 100
 94 12.6 10.7 16.1
 80 11.6 9.9 14.9

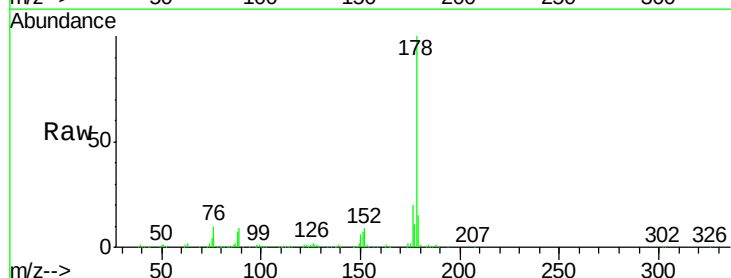


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): B
 Ion 80.00 (79.70 to 80.70): B

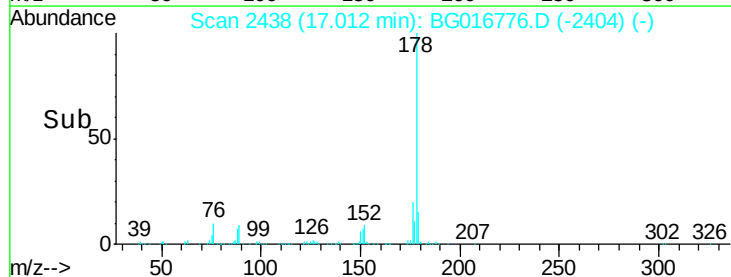
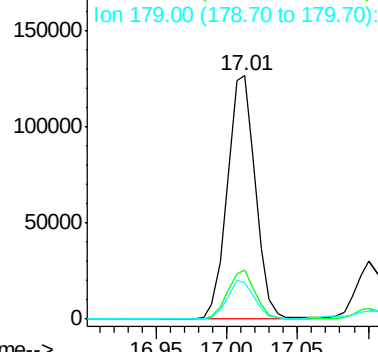


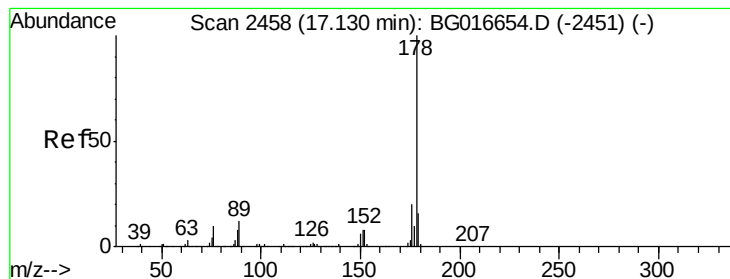
#70
 Phenanthrene
 Concen: 10.51 ng
 RT: 17.01 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

Tgt Ion:178 Resp: 177949
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.6
 179 15.1 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: 2.36 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

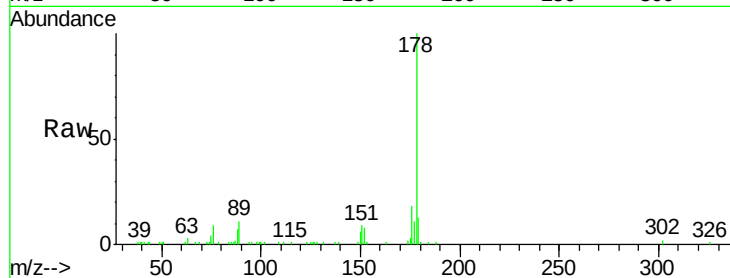
Tgt Ion:178 Resp: 39842

Ion Ratio Lower Upper

178 100

176 17.6 16.0 24.0

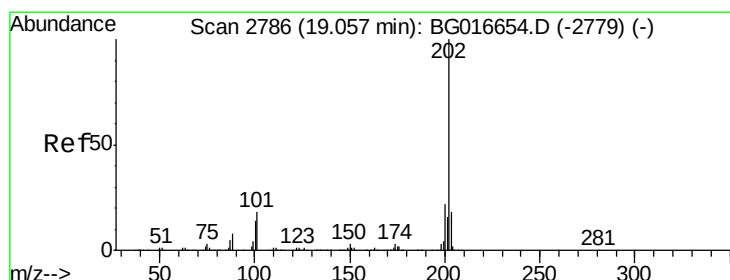
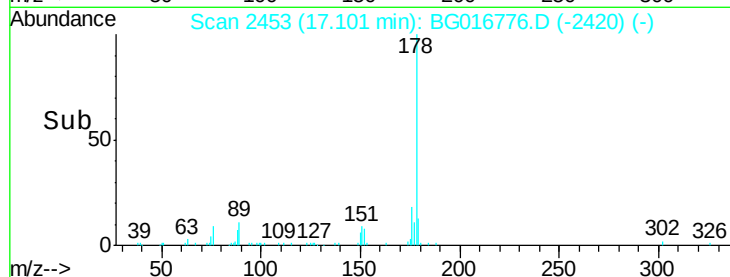
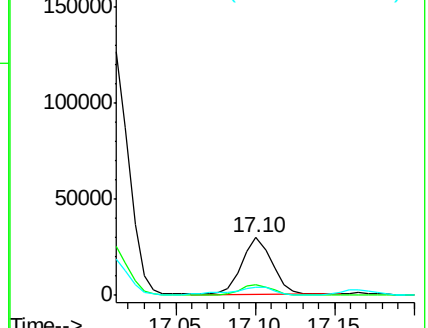
179 13.5 12.9 19.3



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: 23.19 ng

RT: 19.03 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

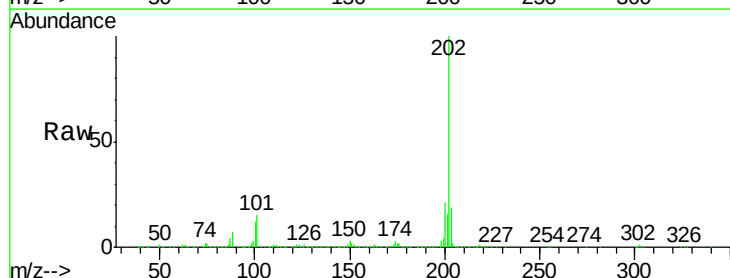
Tgt Ion:202 Resp: 416273

Ion Ratio Lower Upper

202 100

101 15.0 0.0 38.1

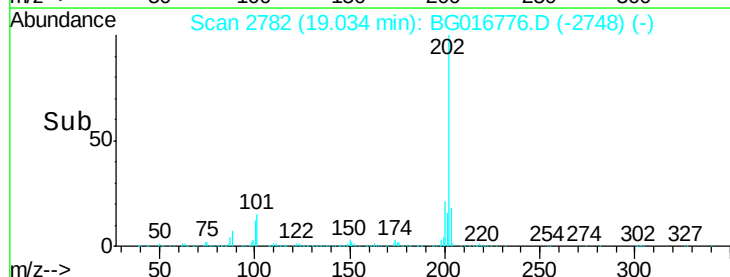
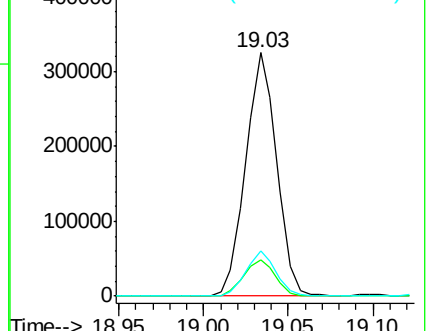
203 18.6 0.0 38.4

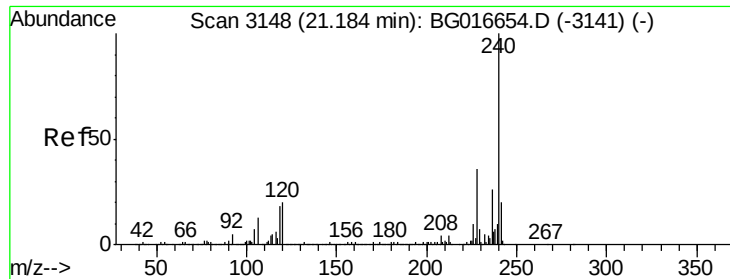


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

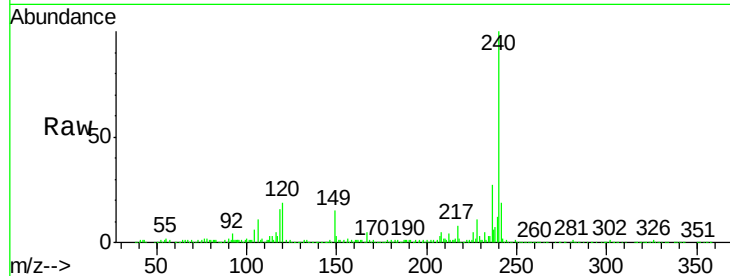
Tgt Ion:240 Resp: 251007

Ion Ratio Lower Upper

240 100

120 18.8 16.3 24.5

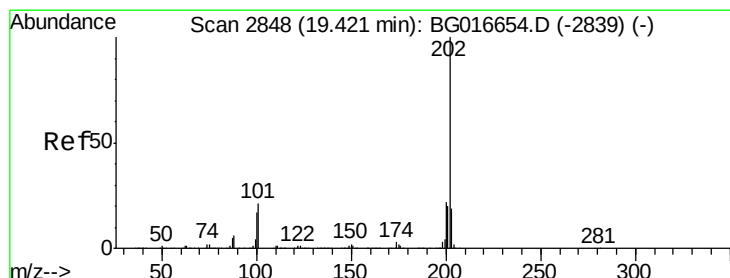
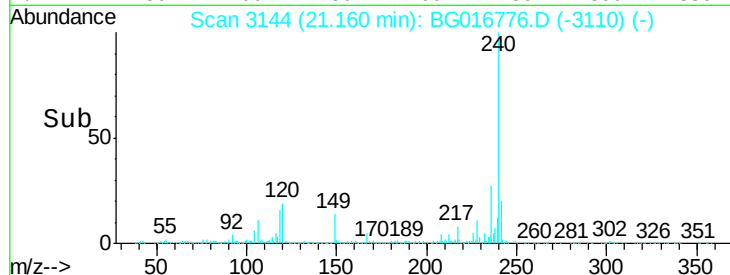
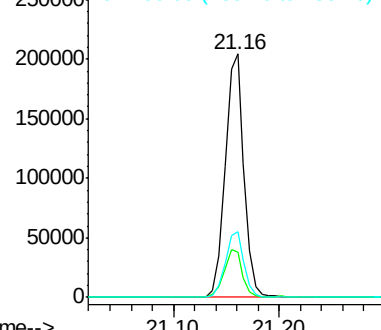
236 26.9 21.1 31.7



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



#77

Pyrene

Concen: 22.69 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

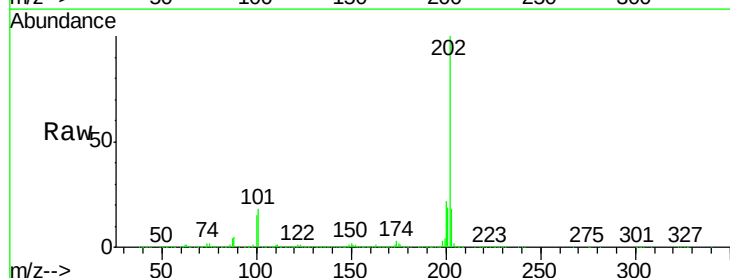
Tgt Ion:202 Resp: 400081

Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

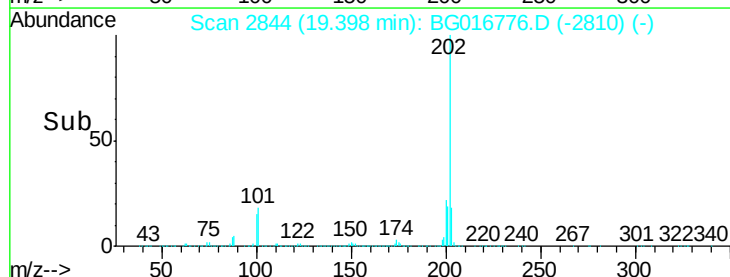
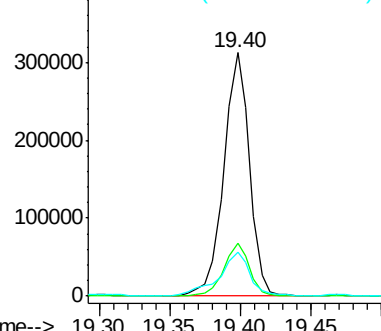
203 18.1 14.9 22.3

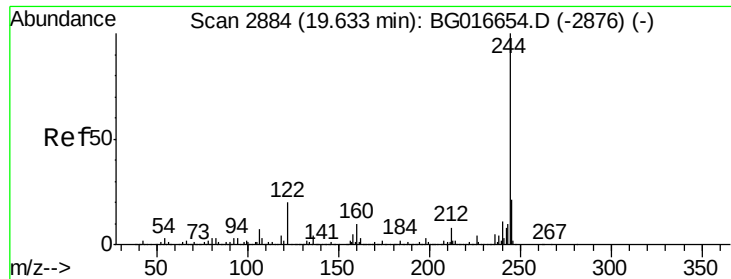


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.39 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

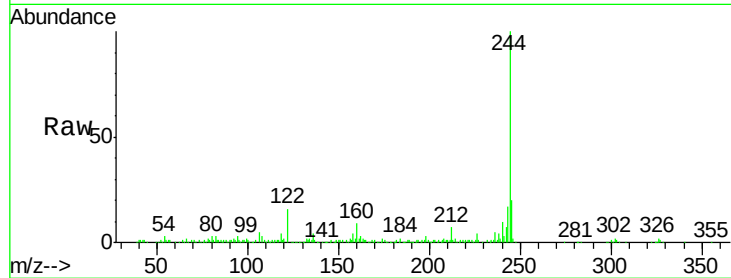
Tgt Ion:244 Resp: 113222

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

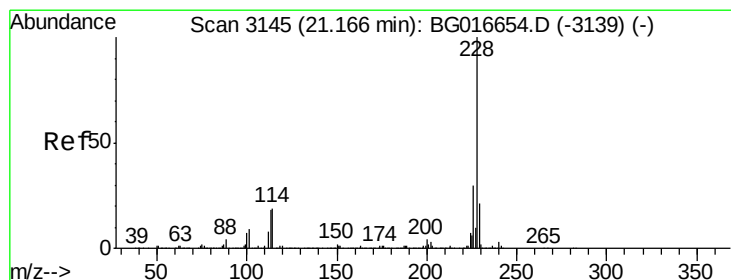
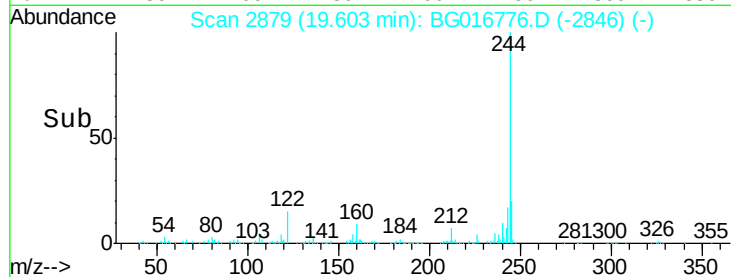
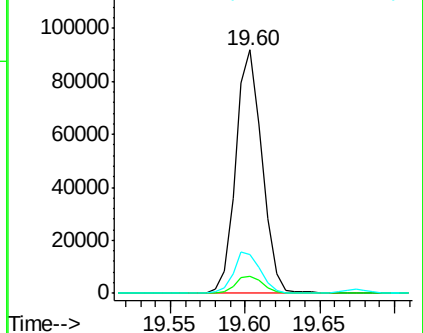
122 15.9 15.9 23.9



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: 14.20 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

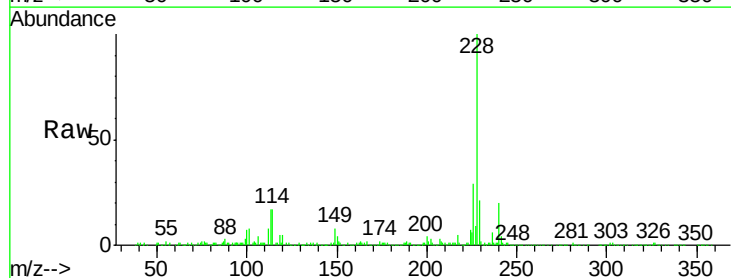
Tgt Ion:228 Resp: 216094

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

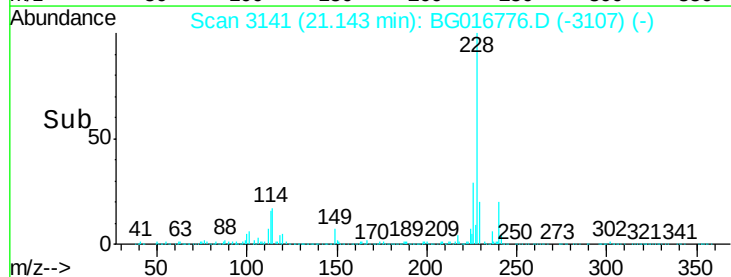
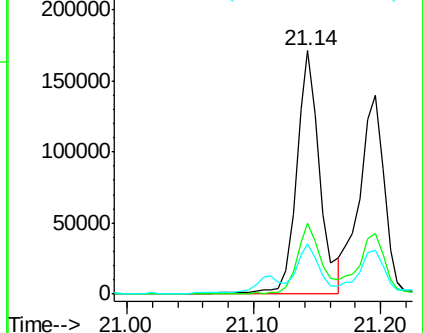
229 20.8 17.0 25.4

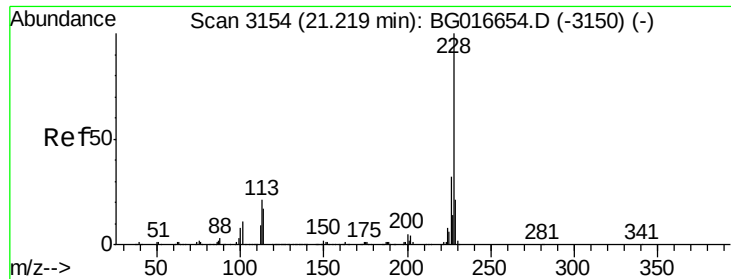


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.99 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampleId :

SB-01-0-2.0

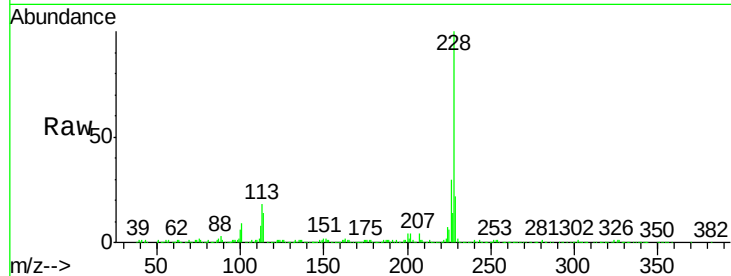
Tgt Ion:228 Resp: 189592

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.0

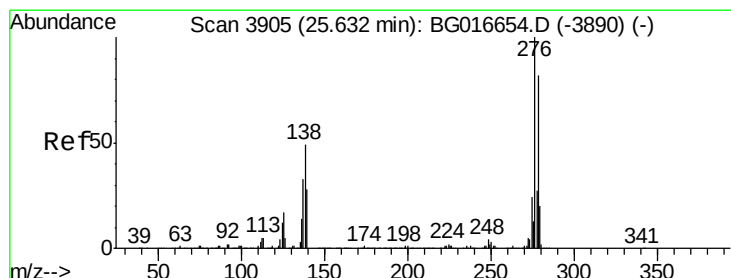
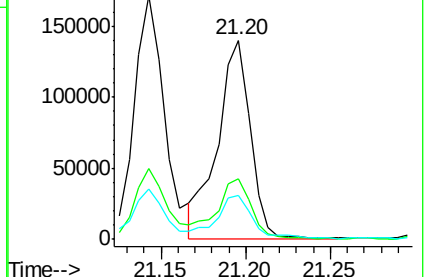
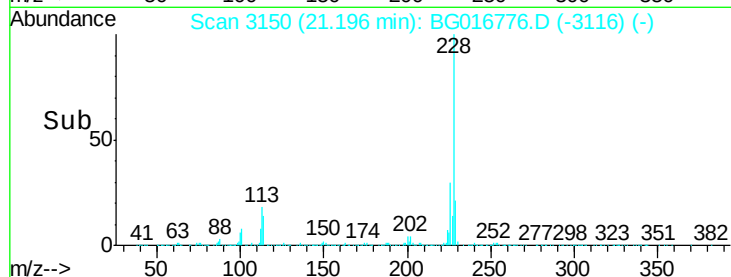
229 21.8 16.5 24.7



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: 7.33 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

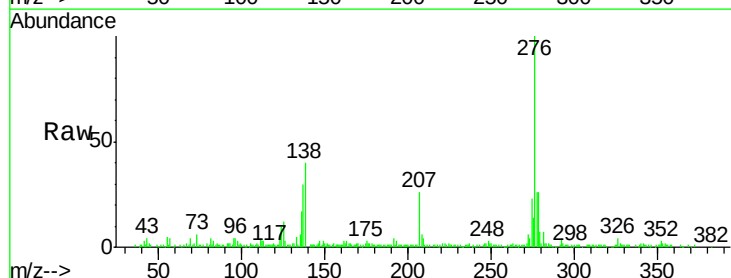
Tgt Ion:276 Resp: 116606

Ion Ratio Lower Upper

276 100

138 37.4 38.2 57.2#

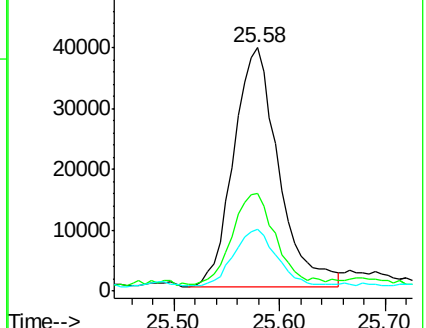
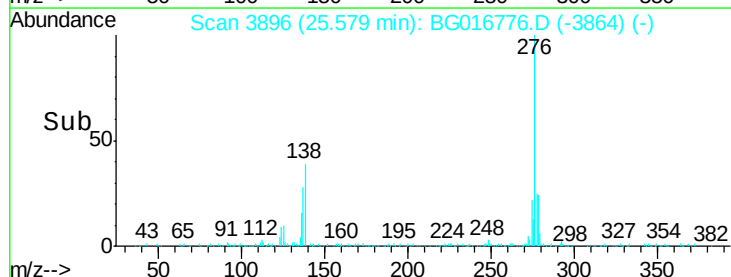
277 22.8 21.4 32.2

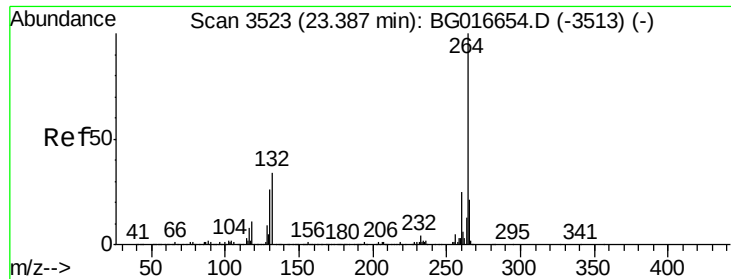


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

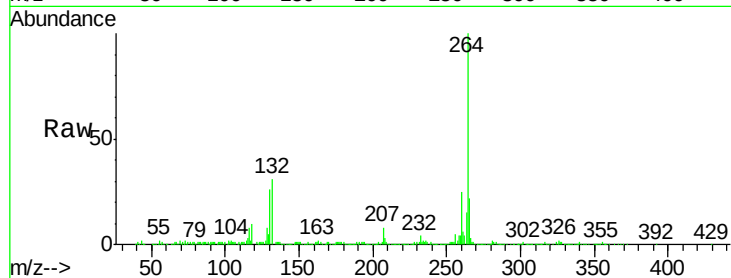




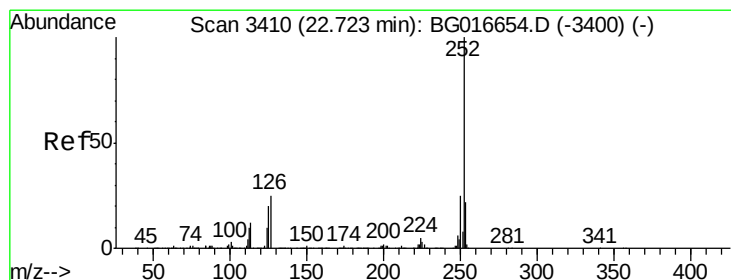
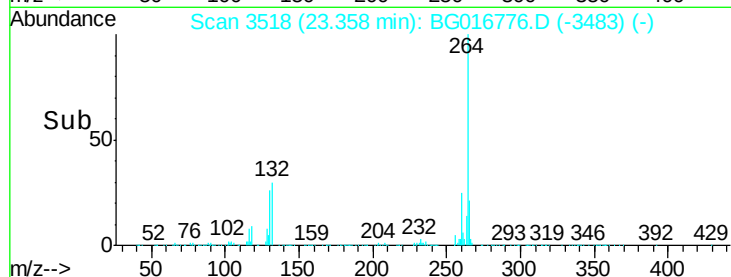
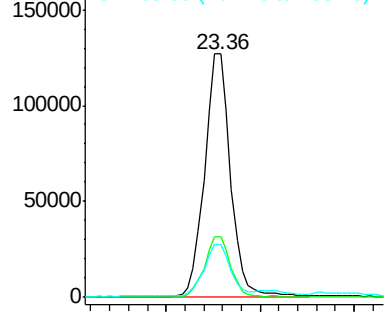
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.0	30.0
265	21.8	16.8	25.2

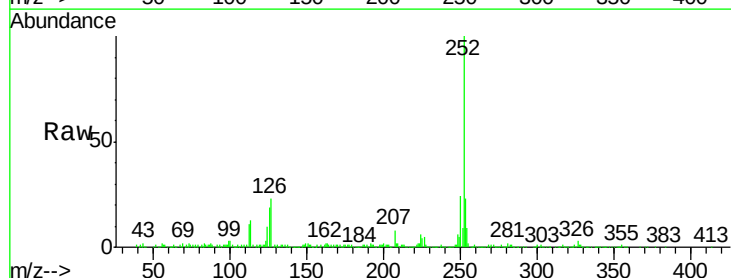


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

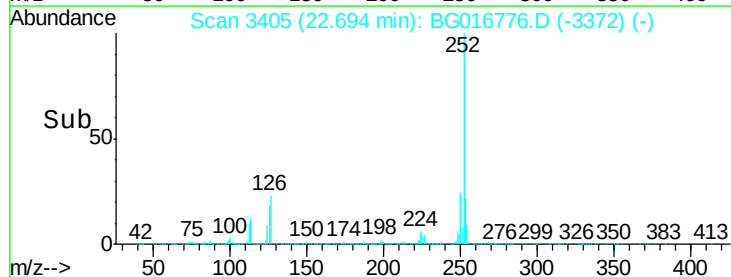
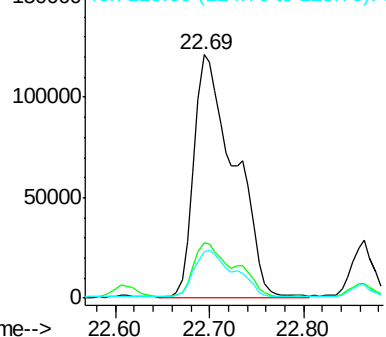


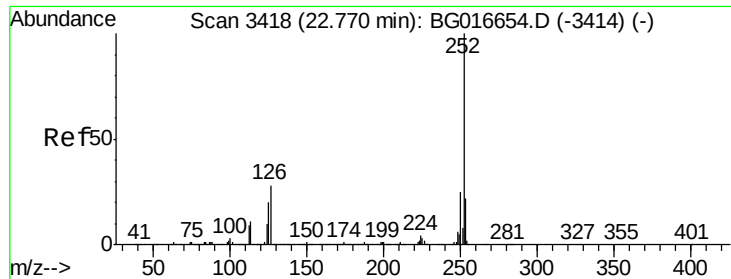
#87
Benzo(b)fluoranthene
Concen: 24.46 ng
RT: 22.69 min Scan# 3405
Delta R.T. -0.01 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	19.3	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

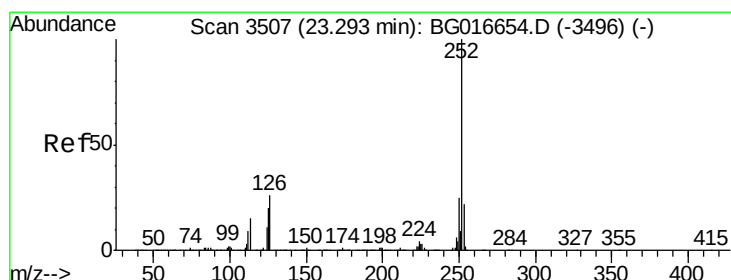
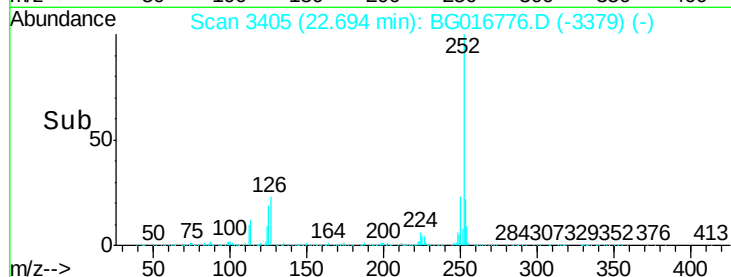
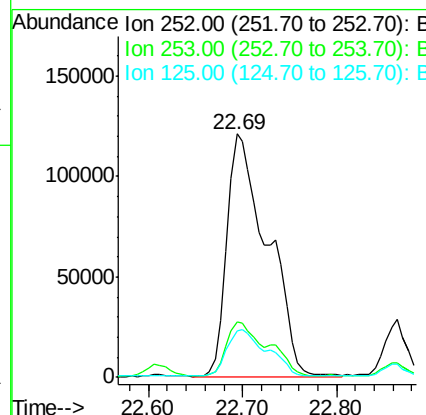
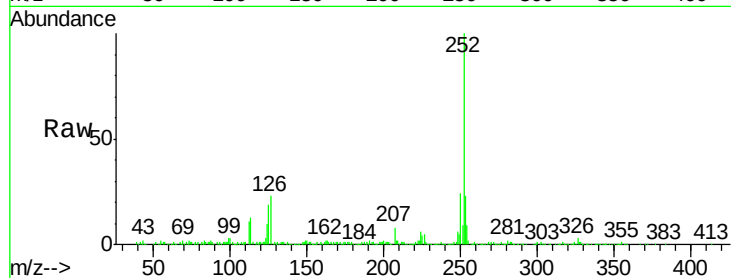




#88
Benzo(k)fluoranthene
Concen: 25.06 ng
RT: 22.69 min Scan# 3405
Delta R.T. -0.05 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

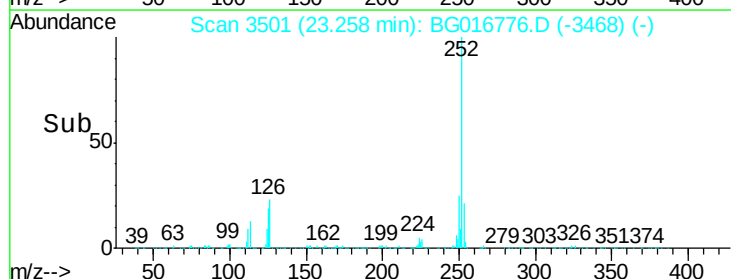
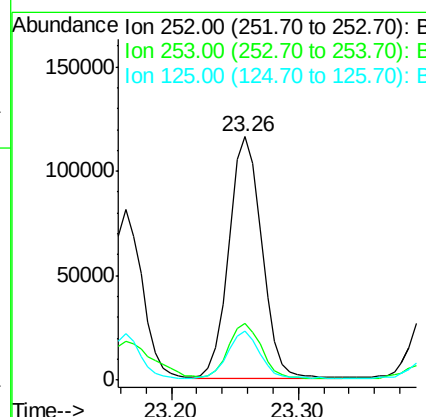
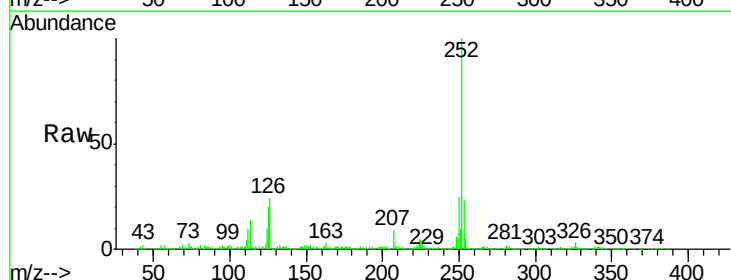
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

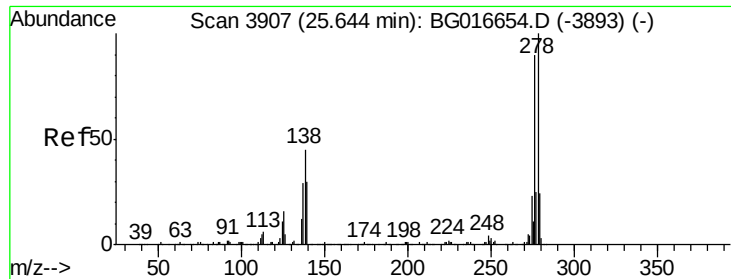
Tgt Ion: 252 Resp: 360072
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 19.3 15.5 23.3



#89
Benzo(a)pyrene
Concen: 15.05 ng
RT: 23.26 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

Tgt Ion: 252 Resp: 208791
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 20.0 16.3 24.5





#90

Dibenzo(a,h)anthracene

Concen: 2.32 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.02 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

Instrument :

BNA_G

ClientSampled :

SB-01-0-2.0

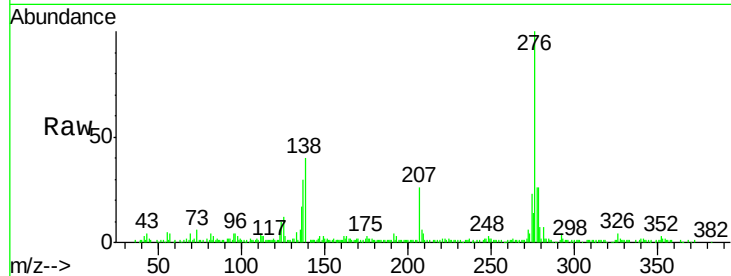
Tgt Ion:278 Resp: 31297

Ion Ratio Lower Upper

278 100

139 0.0 24.2 36.2#

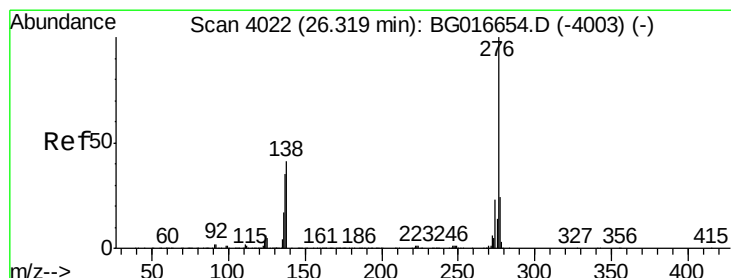
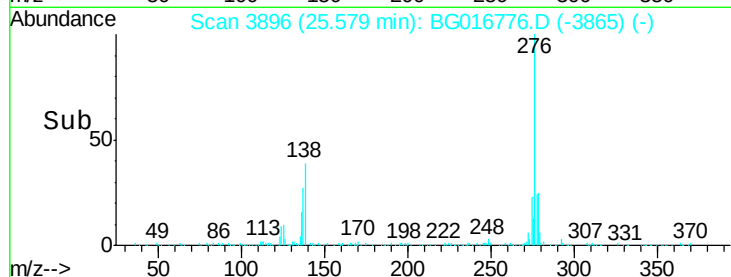
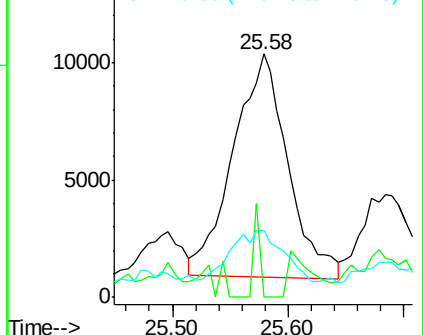
279 27.3 18.9 28.3



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: 8.31 ng

RT: 26.27 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

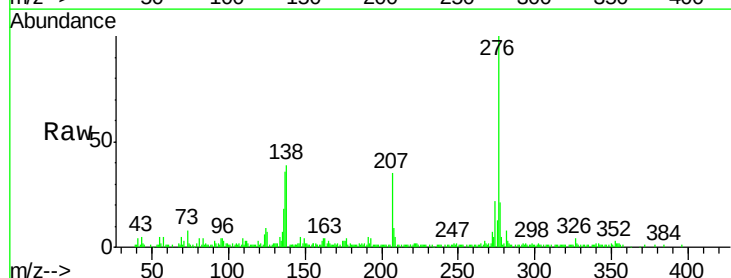
Tgt Ion:276 Resp: 114105

Ion Ratio Lower Upper

276 100

277 21.5 19.3 28.9

138 38.6 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

