

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 01:50:34 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

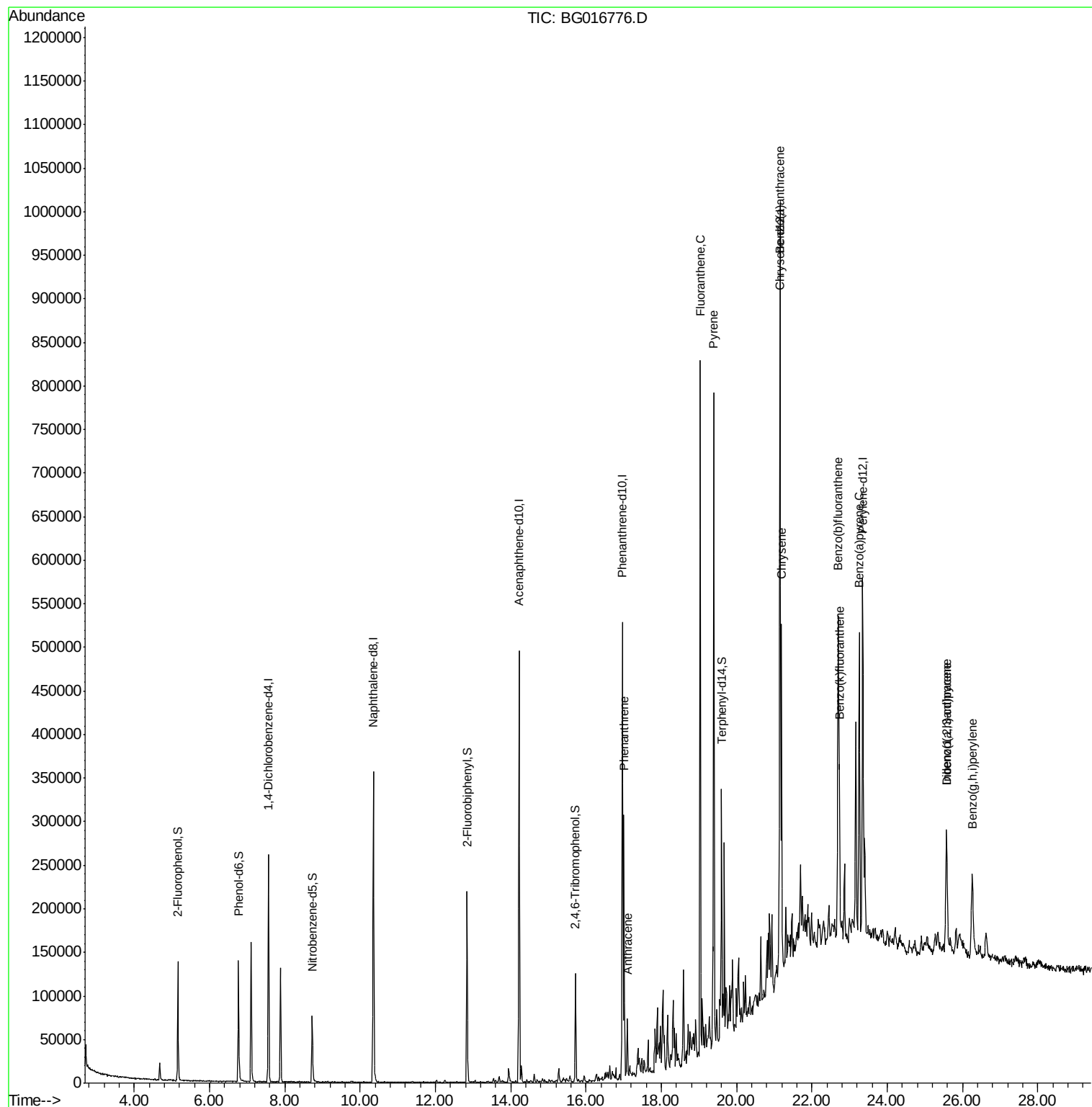
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	73554	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	308880	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163061	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	294862	20.00	ng	0.00
75) Chrysene-d12	21.16	240	251007	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	209007m	13.73	ng	
82) Chrysene	21.20	228	200761m	13.76	ng	
85) Indeno(1,2,3-cd)pyrene	25.58	276	116606	7.33	ng	# 87
87) Benzo(b)fluoranthene	22.69	252	318652m	21.65	ng	
88) Benzo(k)fluoranthene	22.74	252	43654m	3.04	ng	
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(a,h,i)perylene	26.27	276	114105	8.31	ng	96

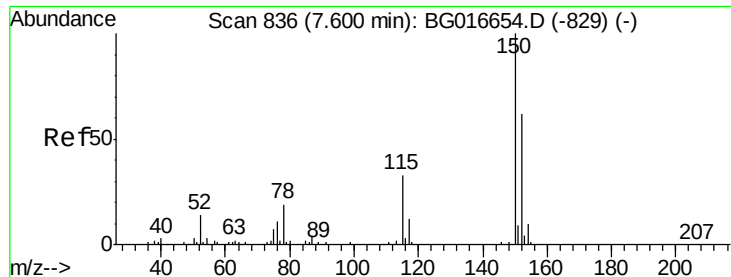
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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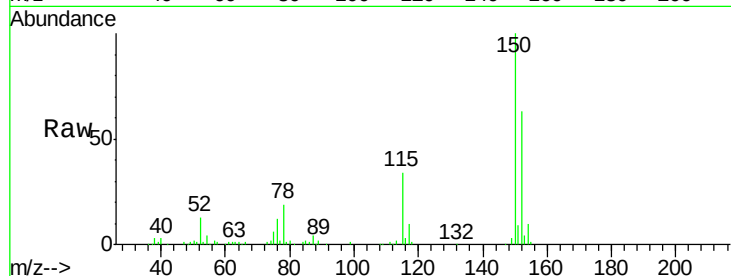


#1

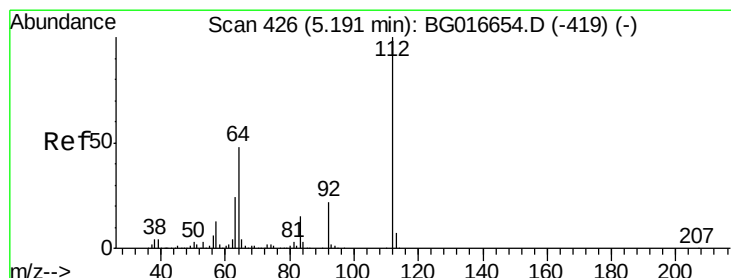
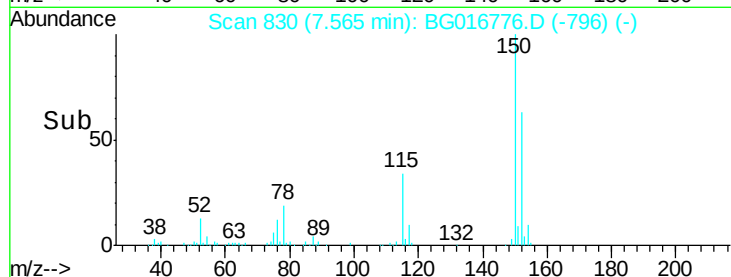
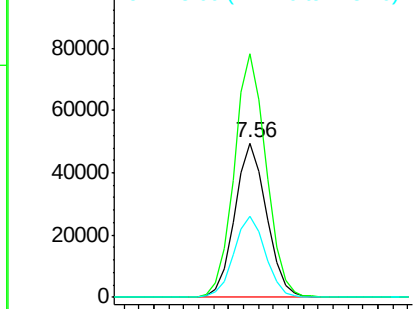
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

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

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



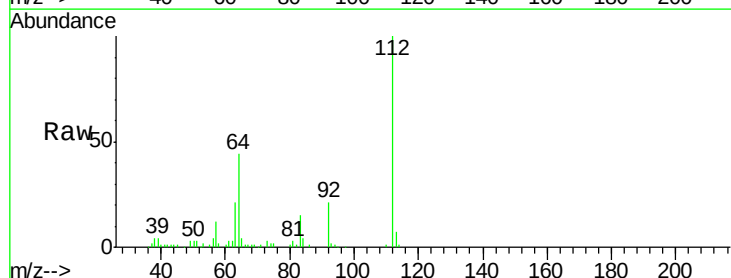
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



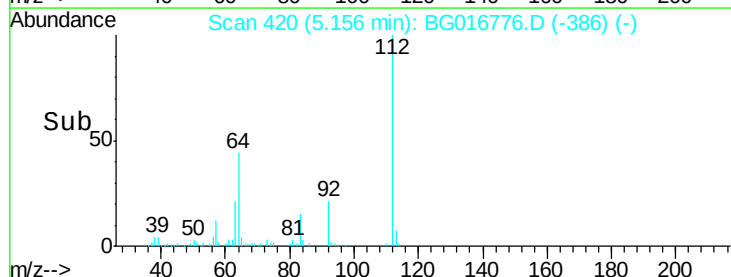
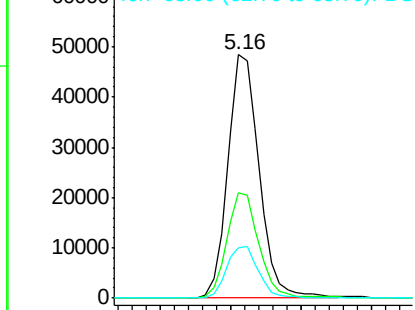
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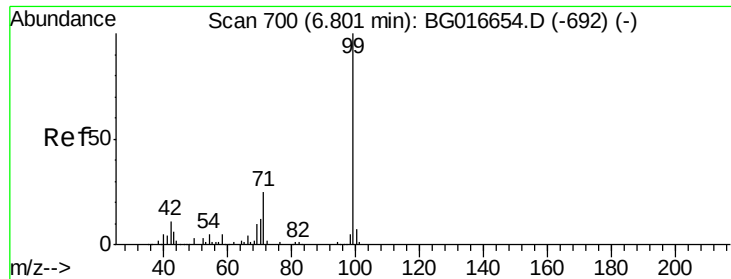
2-Fluorophenol
Concen: 16.51 ng
RT: 5.16 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

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): BGO
Ion 63.00 (62.70 to 63.70): BGO





#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

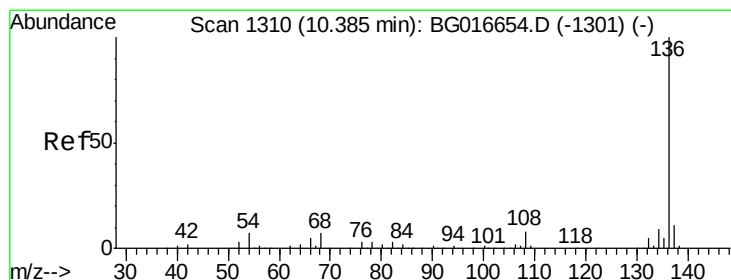
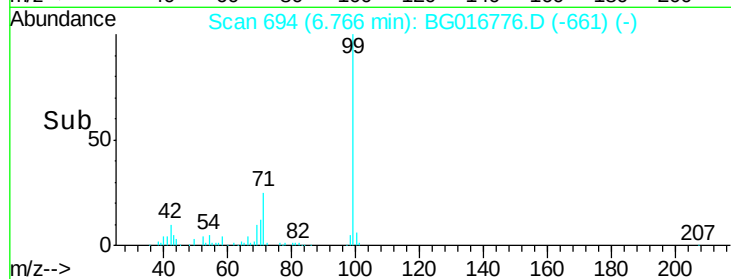
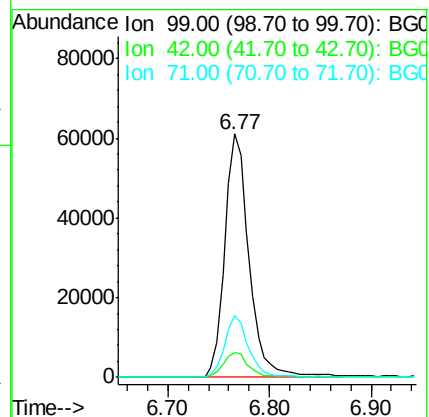
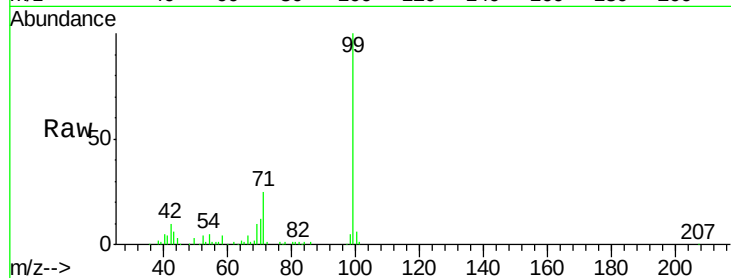
Tot Ion: 99 Resp: 102069

Ion Ratio Lower Upper

99 100

42 10.3 8.8 13.2

71 25.4 19.9 29.9



#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

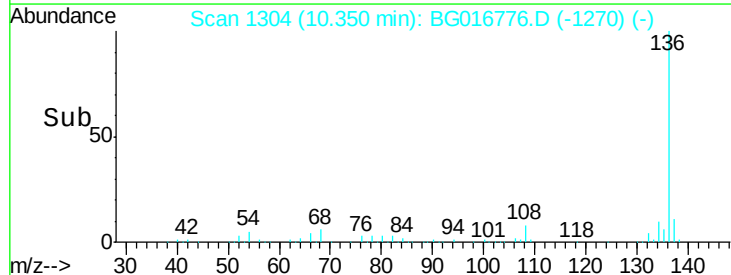
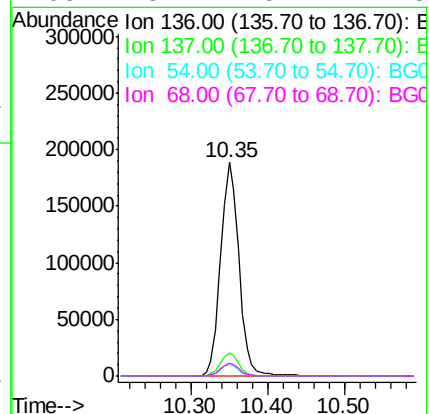
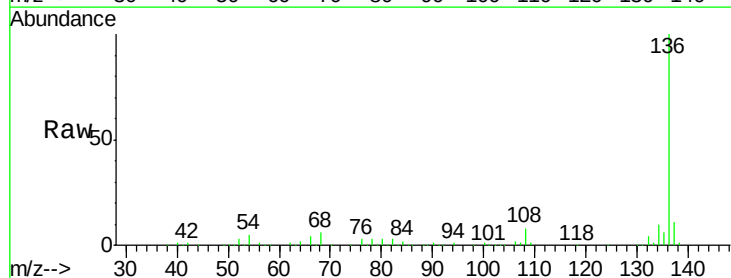
Ion Ratio Lower Upper

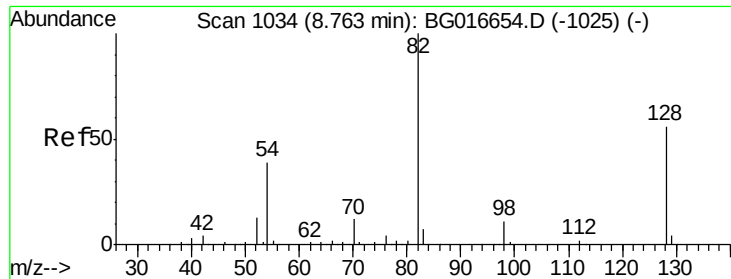
136 100

137 11.0 8.5 12.7

54 5.4 5.4 8.2#

68 5.7 5.2 7.8

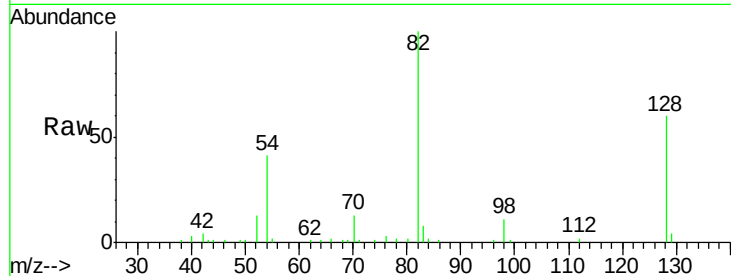




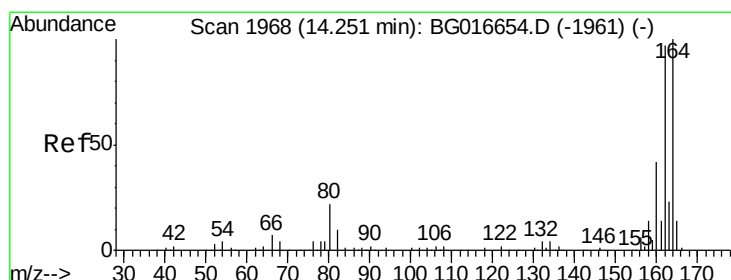
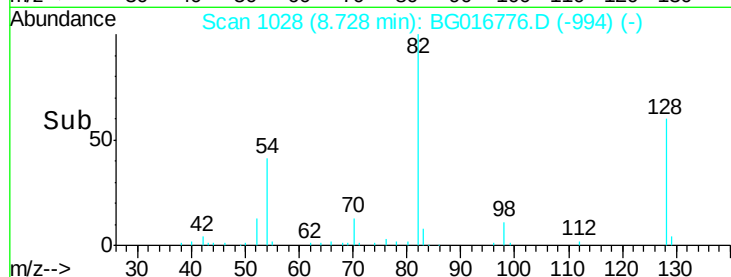
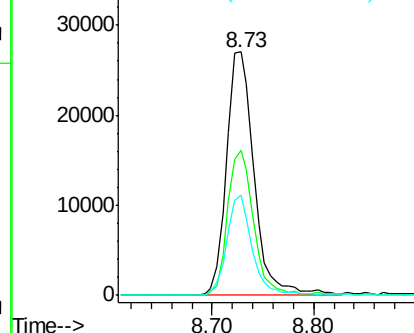
#23
 Nitrobenzene-d5
 Concen: 10.47 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

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

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

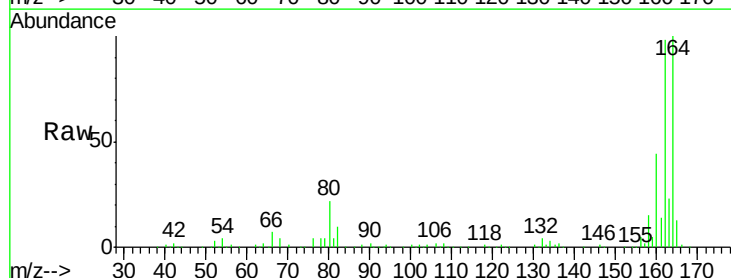


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

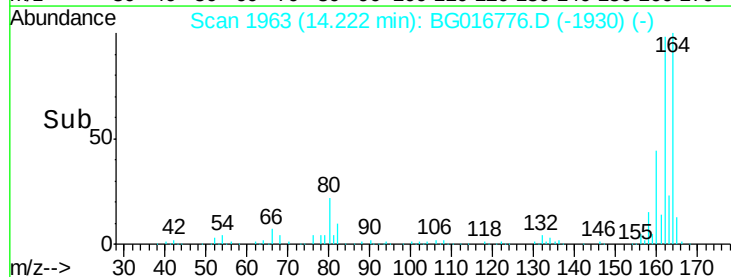
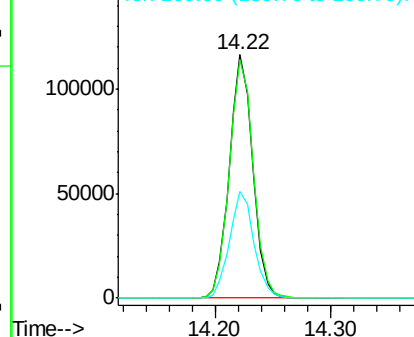


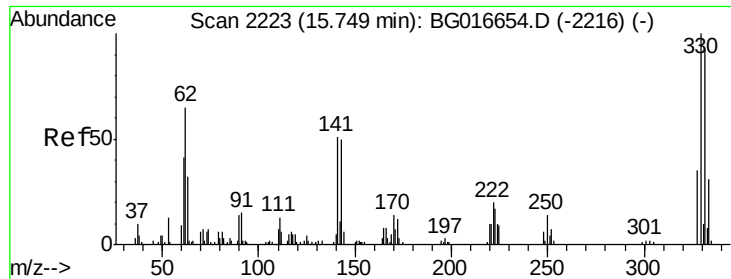
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

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

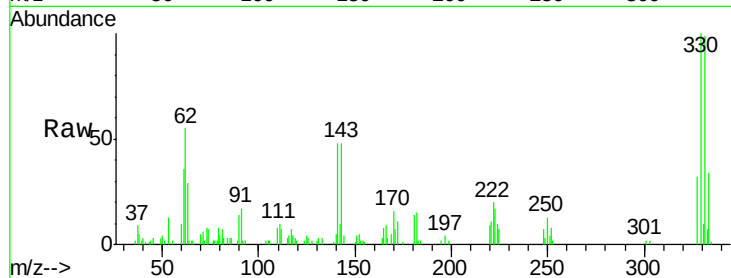




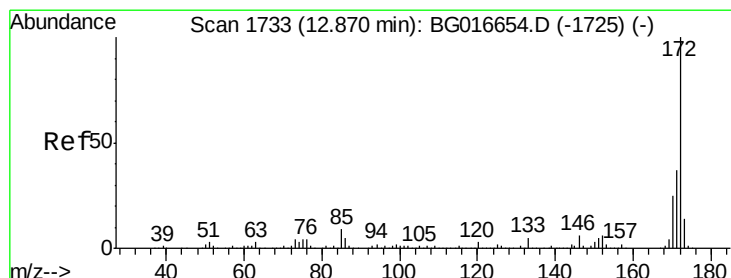
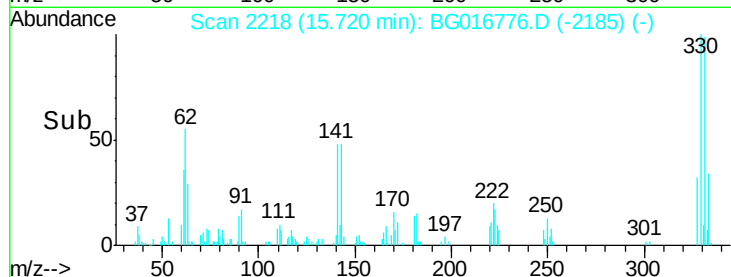
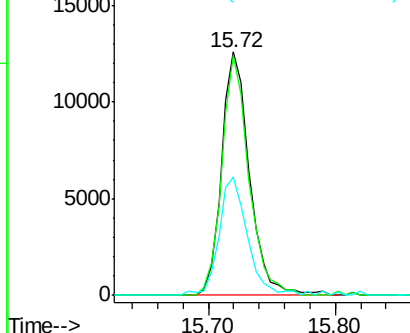
#41
 2,4,6-Tribromophenol
 Concen: 15.86 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

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

Tot Ion:330 Resp: 19181
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 49.5 43.0 64.6

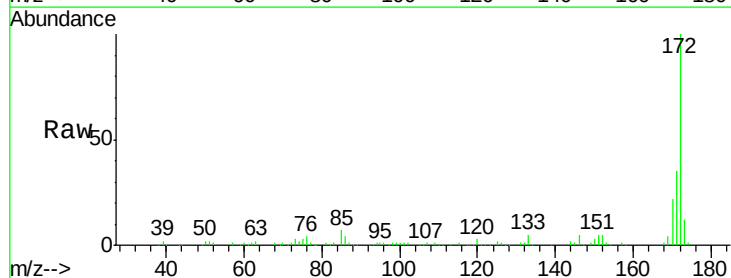


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

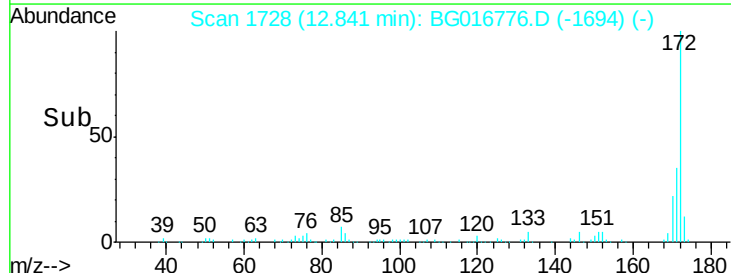
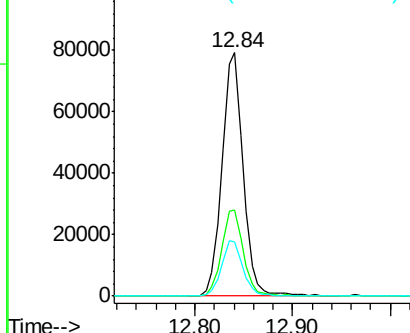


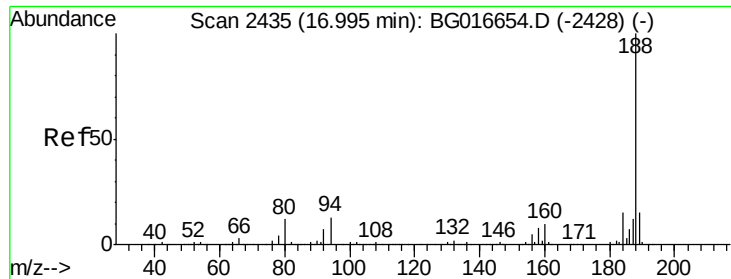
#44
 2-Fluorobiphenyl
 Concen: 11.73 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

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

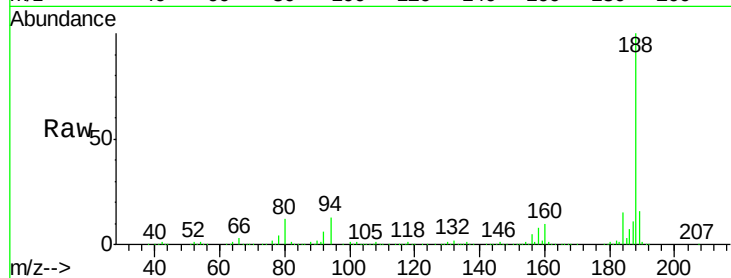




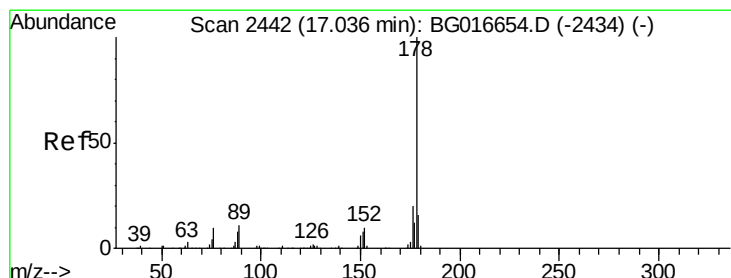
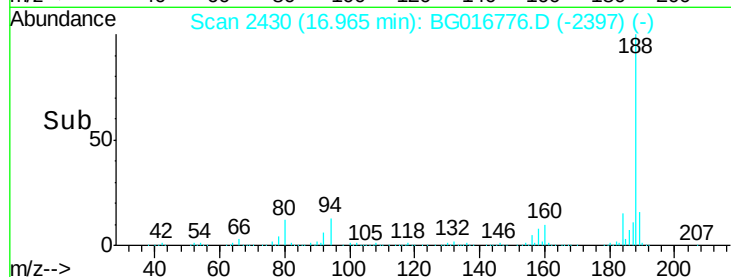
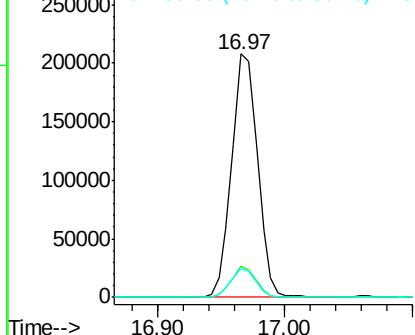
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

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

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

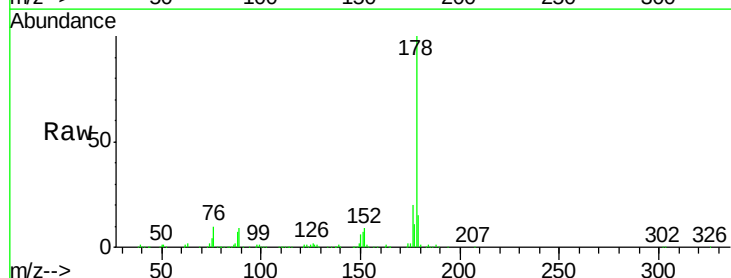


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

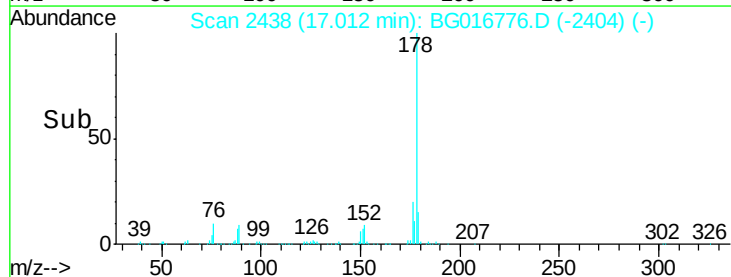
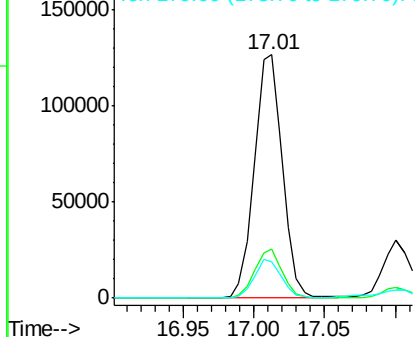


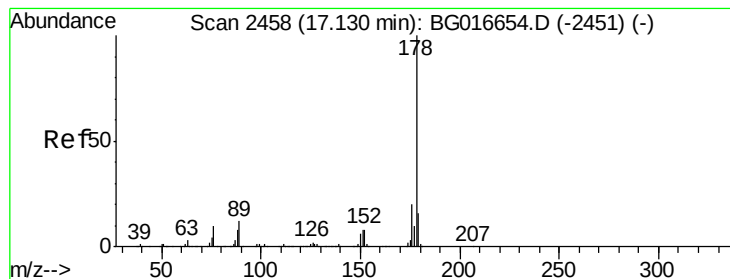
#70
Phenanthrene
Concen: 10.51 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

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

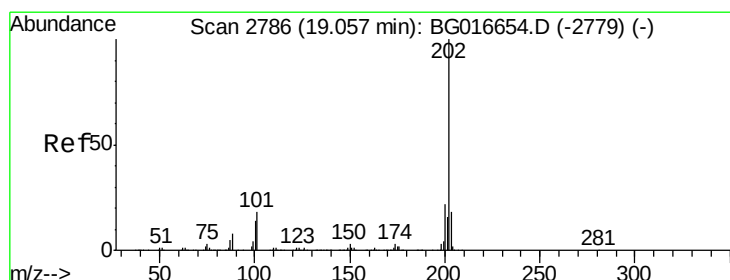
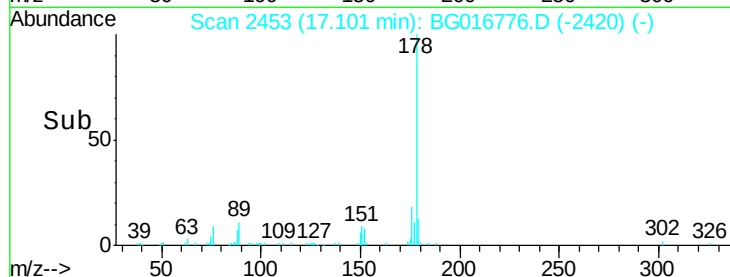
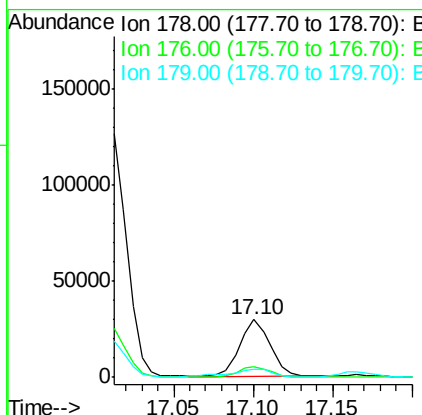
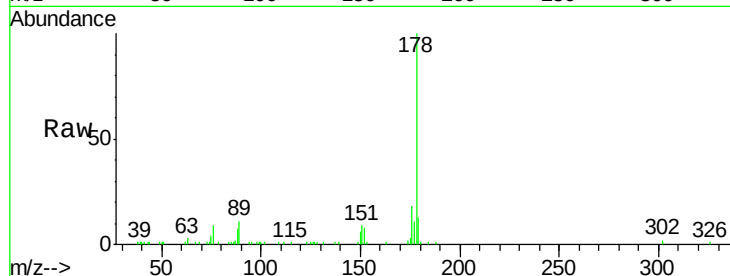




#71
 Anthracene
 Concen: 2.36 ng
 RT: 17.10 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

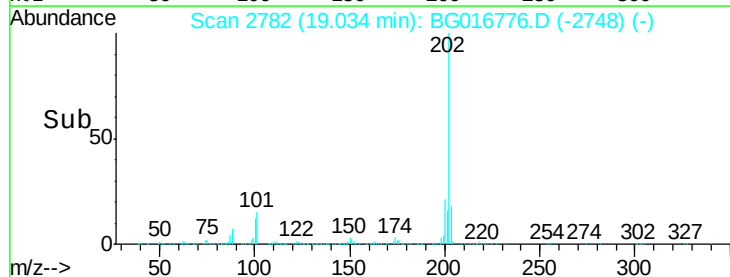
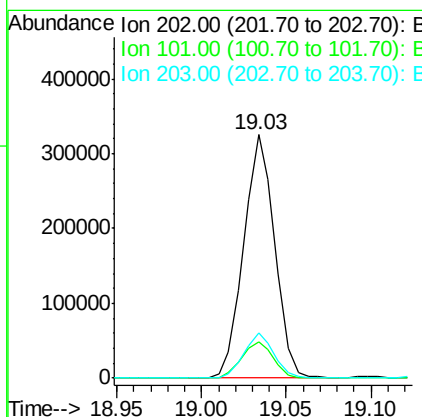
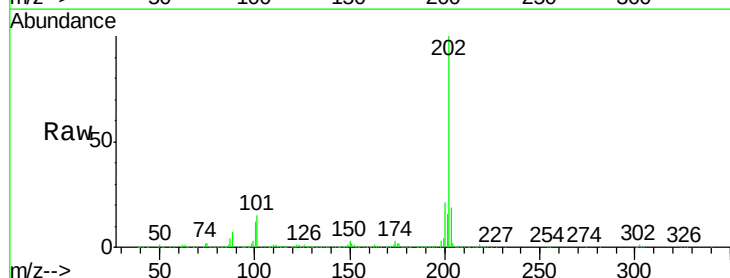
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 SB-01-0-2.0

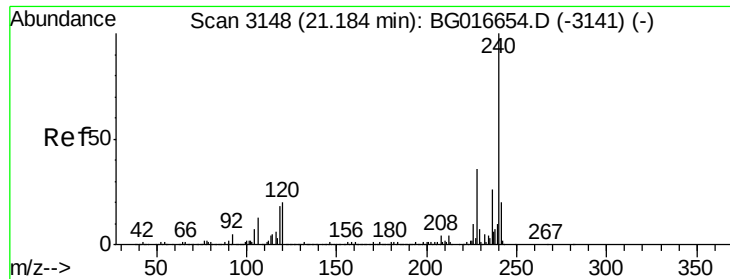
Tot Ion:178 Resp: 39842
 Ion Ratio Lower Upper
 178 100
 176 17.6 16.0 24.0
 179 13.5 12.9 19.3



#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

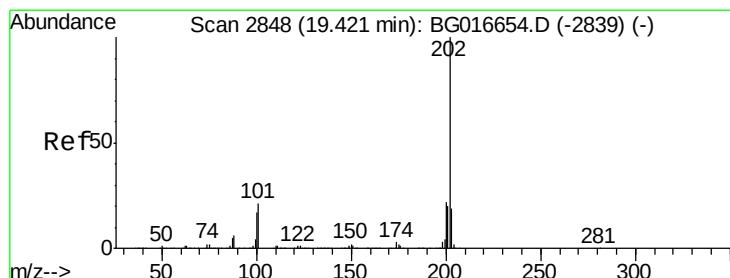
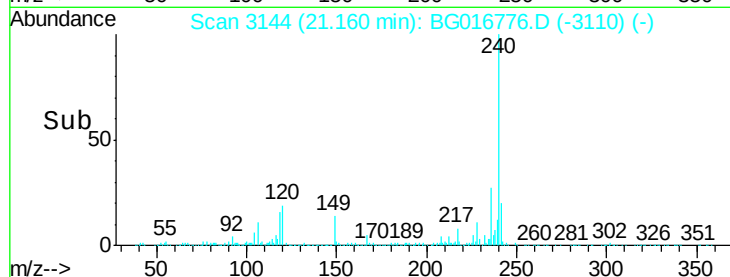
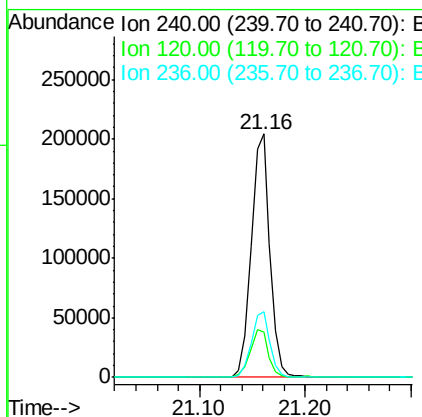
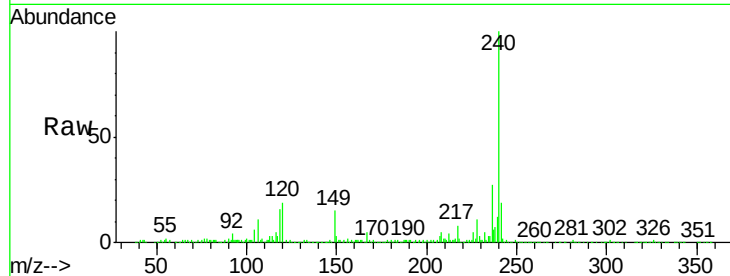




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.16 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: BG016776.D
 Acq: 28 Apr 2015 21:55

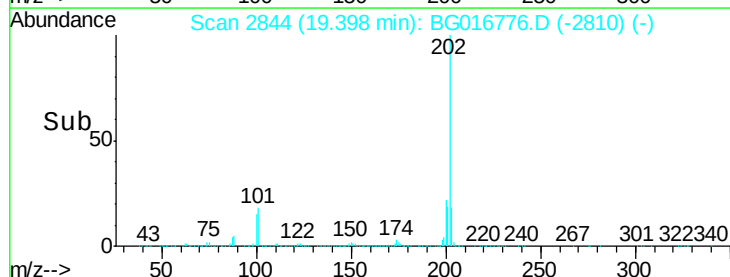
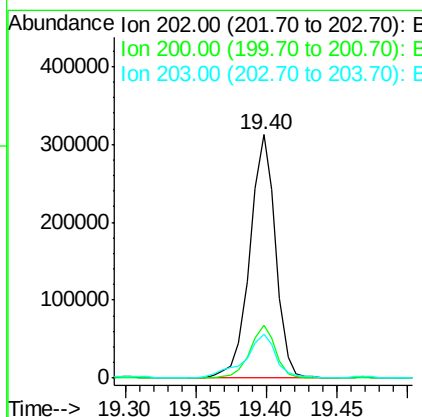
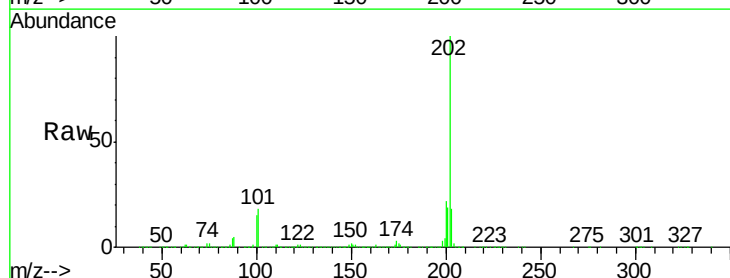
Instrument :
 BNA_G
 ClientSampleID :
 SB-01-0-2.0

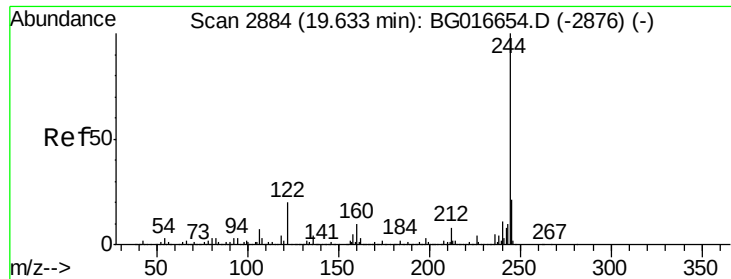
Tot Ion:240 Resp: 251007
 Ion Ratio Lower Upper
 240 100
 120 18.8 16.3 24.5
 236 26.9 21.1 31.7



#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





#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

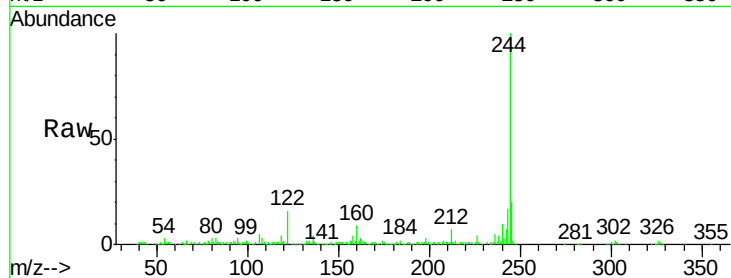
Tot Ion:244 Resp: 113222

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

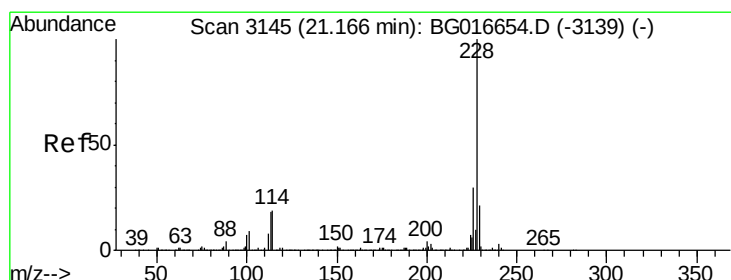
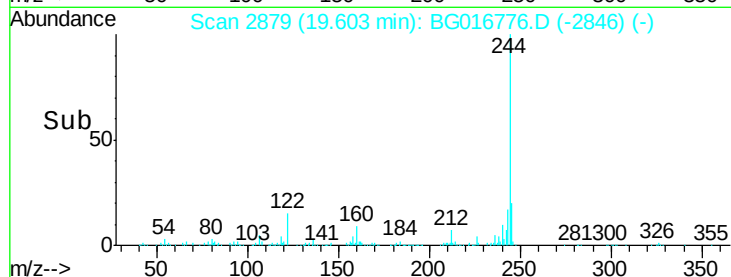
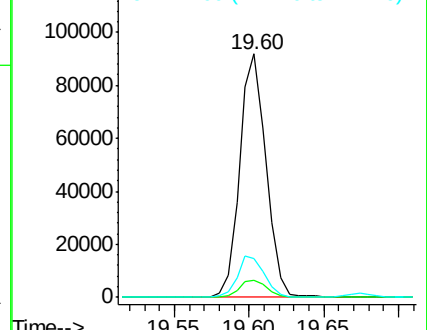
122 15.9 15.9 23.9



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: 13.73 ng m

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

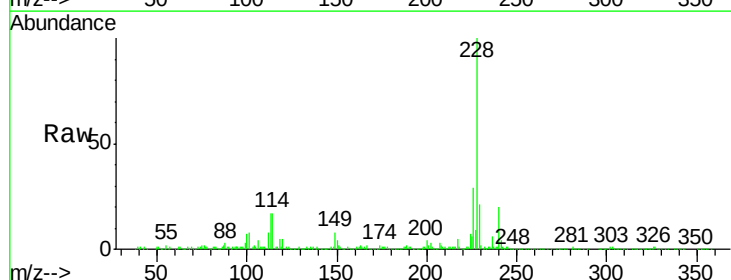
Tgt Ion:228 Resp: 209007

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

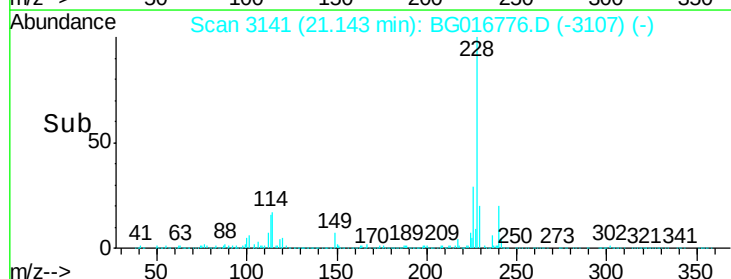
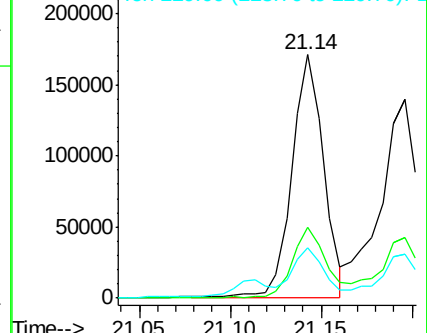
229 20.8 17.0 25.4

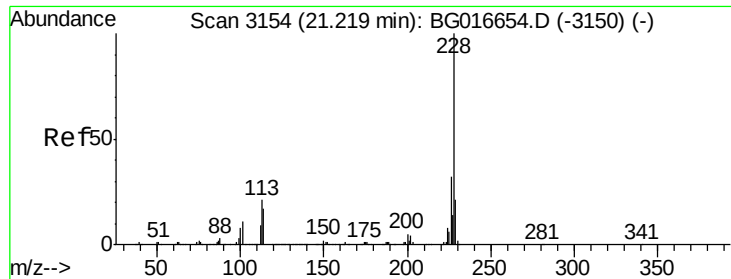


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.76 ng/mL

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

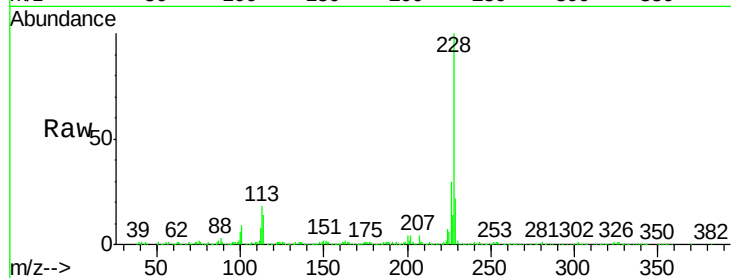
Tot Ion:228 Resp: 200761

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.0

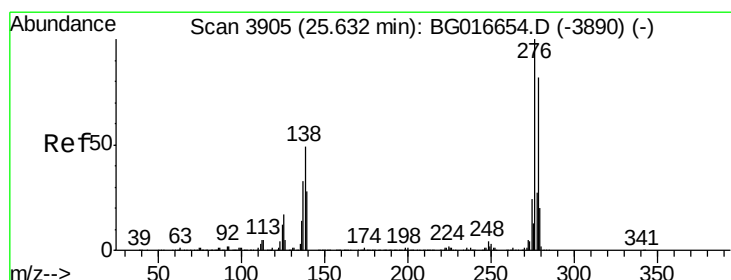
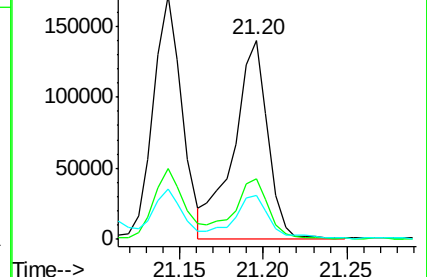
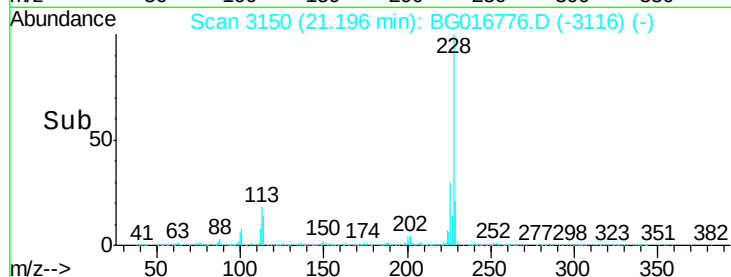
229 21.8 16.5 24.7



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/mL

RT: 25.58 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

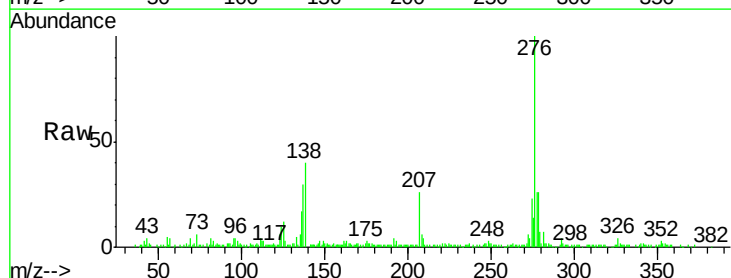
Tgt Ion:276 Resp: 116606

Ion Ratio Lower Upper

276 100

138 37.4 38.2 57.2#

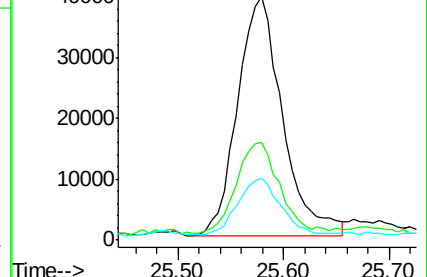
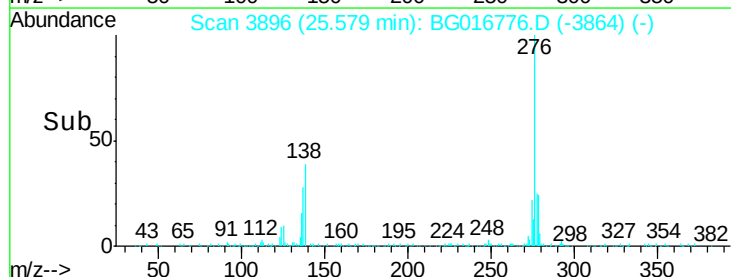
277 22.8 21.4 32.2

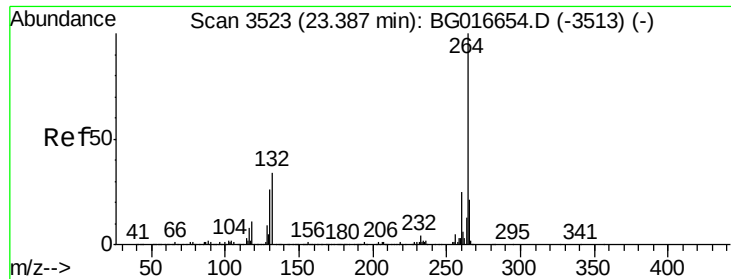


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

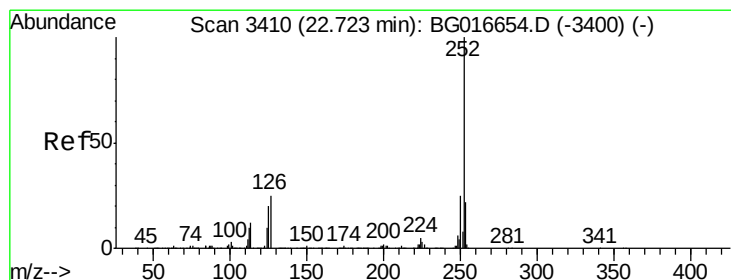
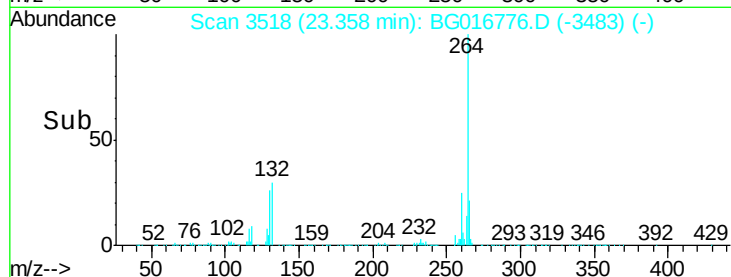
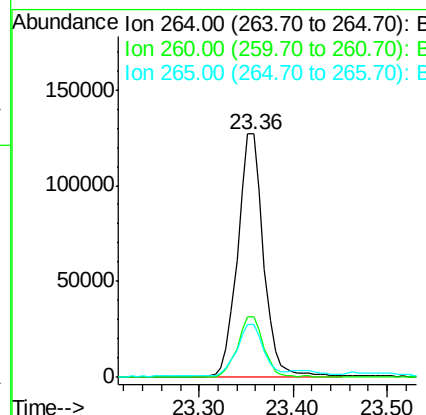
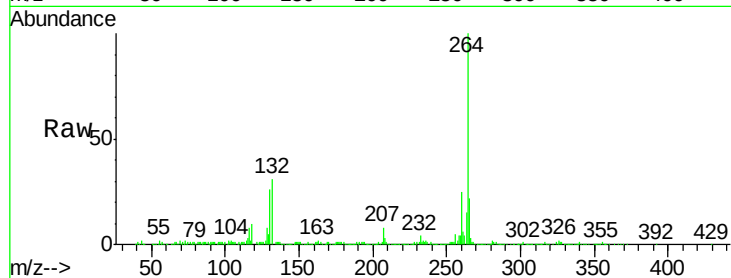




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016776.D
Acq: 28 Apr 2015 21:55

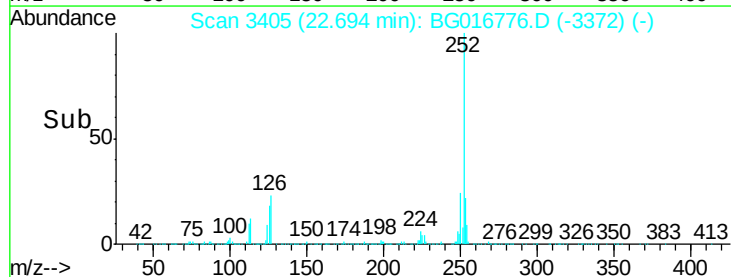
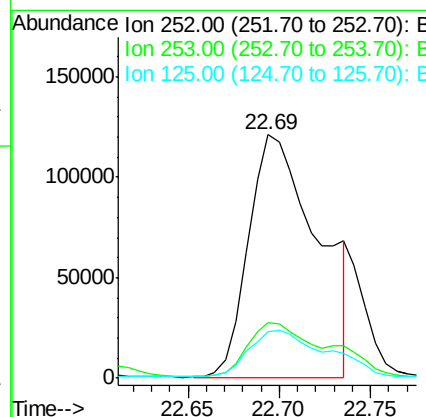
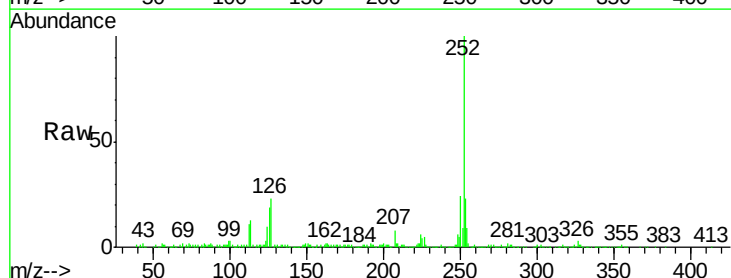
Instrument :
BNA_G
ClientSampleId :
SB-01-0-2.0

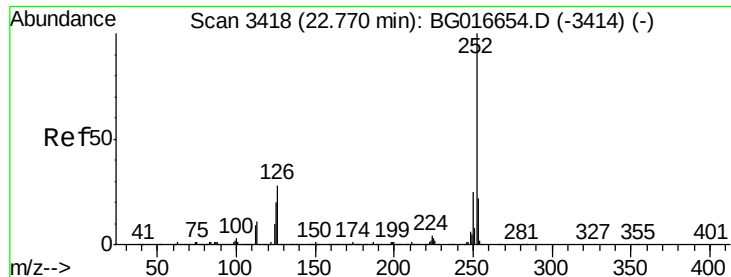
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.0	30.0
265	21.8	16.8	25.2



#87
Benzo(b)fluoranthene
Concen: 21.65 ng m
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





#88

Benzo(k)fluoranthene

Concen: 3.04 ng/mL

RT: 22.74 min Scan# 3412

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

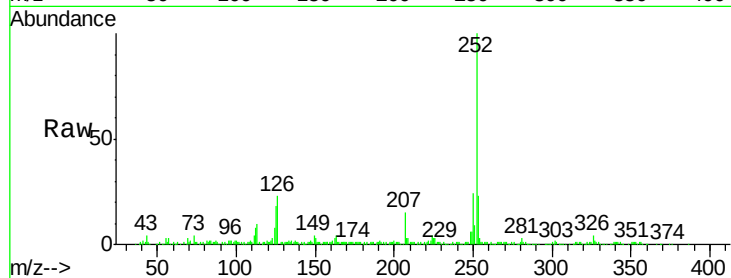
Tot Ion:252 Resp: 43654

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

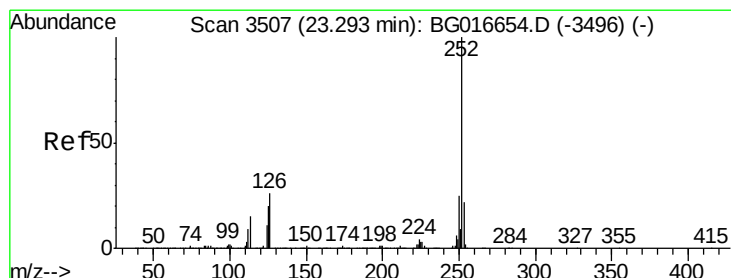
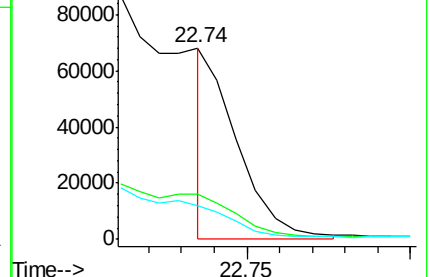
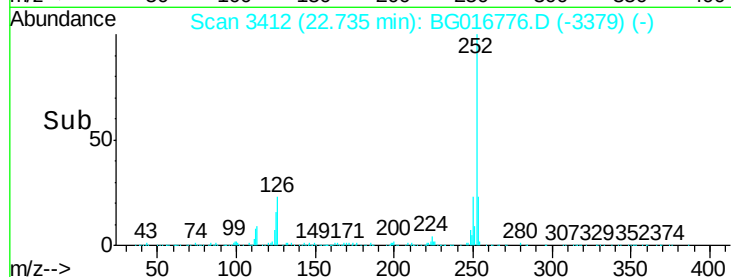
125 17.7 15.5 23.3



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: 15.05 ng/mL

RT: 23.26 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BG016776.D

Acq: 28 Apr 2015 21:55

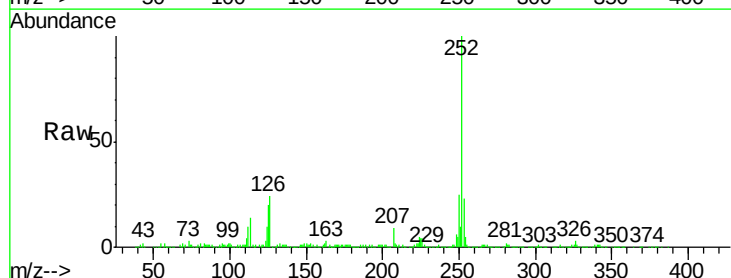
Tgt Ion:252 Resp: 208791

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

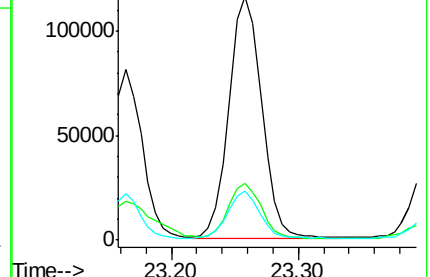
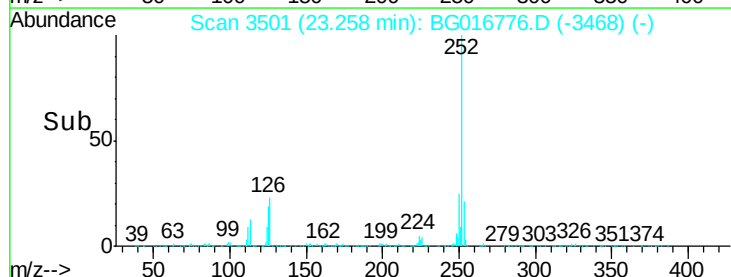
125 20.0 16.3 24.5

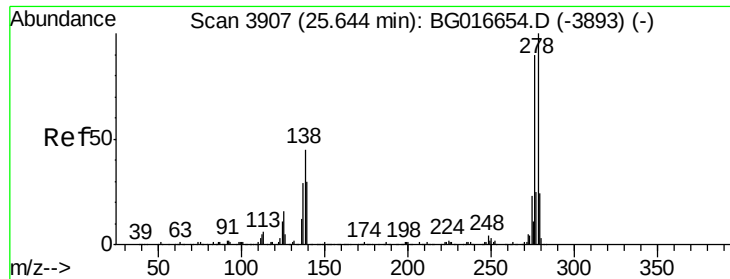


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 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

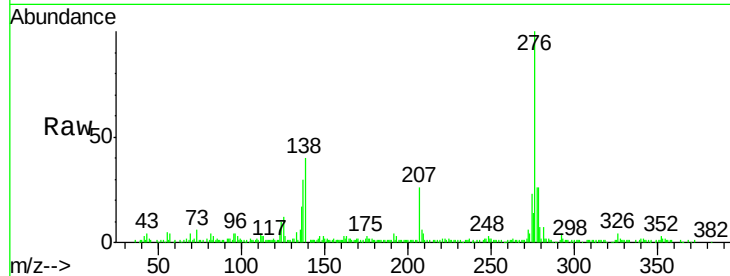
Tot Ion:278 Resp: 31297

Ion Ratio Lower Upper

278 100

139 0.0 24.2 36.2#

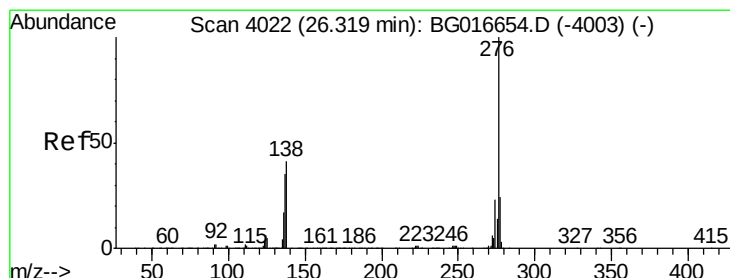
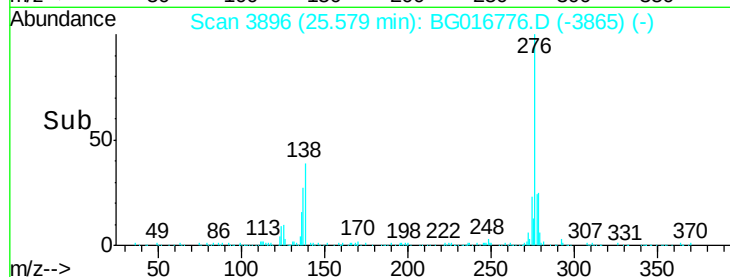
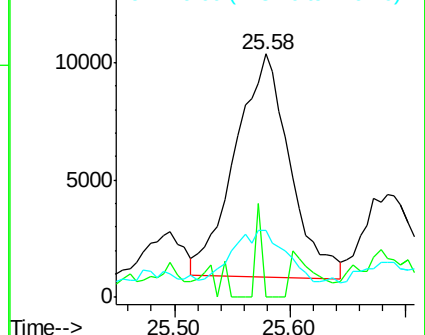
279 27.3 18.9 28.3



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

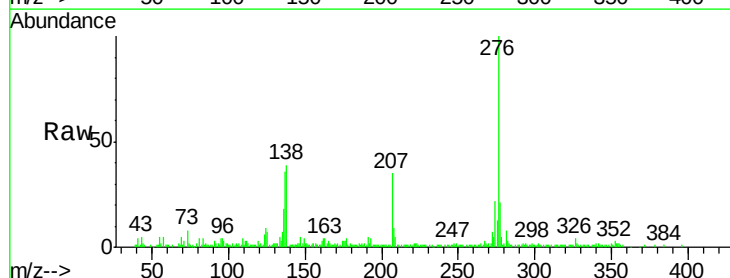
Tgt Ion:276 Resp: 114105

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

