

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
 Data File : BG016777.D
 Acq On : 28 Apr 2015 22:30
 Operator : TP/IZ
 Sample : G2021-10 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

Quant Time: Apr 29 01:53:15 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

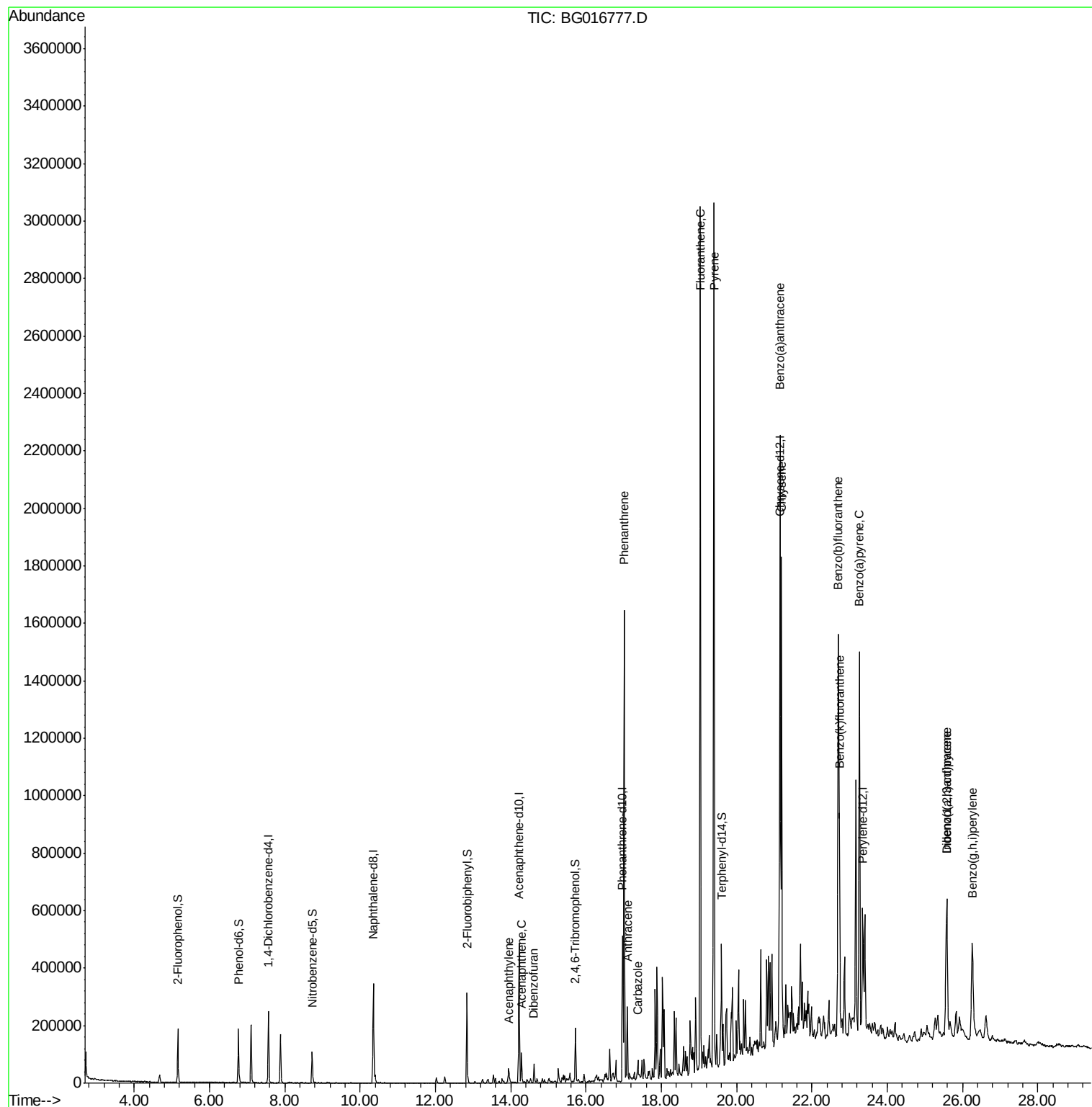
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	70931	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	299521	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163630	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	294003	20.00	ng	0.00
75) Chrysene-d12	21.16	240	249995	20.00	ng	0.00
86) Perylene-d12	23.35	264	253395	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	97308	22.26	ng	0.00
7) Phenol-d6	6.77	99	135311	22.07	ng	0.00
23) Nitrobenzene-d5	8.73	82	68402	14.43	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	25747	21.21	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	167332	16.43	ng	0.00
78) Terphenyl-d14	19.60	244	161948	14.92	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	13.95	152	49167	2.84	ng	# 95
51) Acenaphthene	14.29	154	36426	3.51	ng	99
54) Dibenzofuran	14.62	168	34502	2.36	ng	# 93
70) Phenanthrene	17.01	178	909890	53.87	ng	98
71) Anthracene	17.10	178	152969	9.11	ng	98
72) Carbazole	17.38	167	39976	2.38	ng	99
74) Fluoranthene	19.04	202	1545352	86.35	ng	96
77) Pyrene	19.41	202	1624524	92.50	ng	94
80) Benzo(a)anthracene	21.14	228	912185	60.17	ng	99
82) Chrysene	21.20	228	770967	53.05	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	422499	26.67	ng	89
87) Benzo(b)fluoranthene	22.70	252	1021249	66.35	ng	99
88) Benzo(k)fluoranthene	22.74	252	310185m	20.65	ng	
89) Benzo(a)pyrene	23.27	252	766746	52.86	ng	97
90) Dibenzo(a,h)anthracene	25.59	278	89088m	6.32	ng	
91) Benzo(g,h,i)perylene	26.27	276	400040	27.88	ng	97

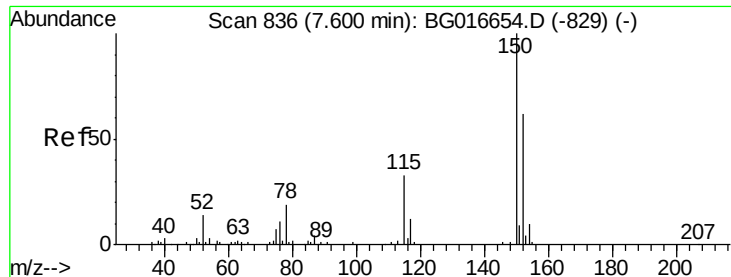
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 830

Delta R.T. 0.00 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

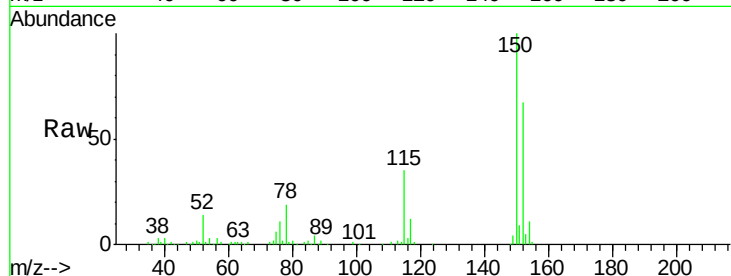
Tot Ion:152 Resp: 70931

Ion Ratio Lower Upper

152 100

150 149.0 129.6 194.4

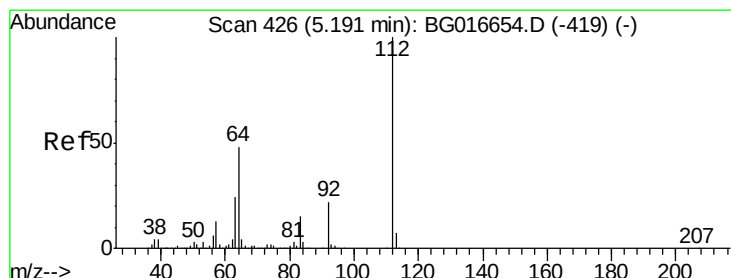
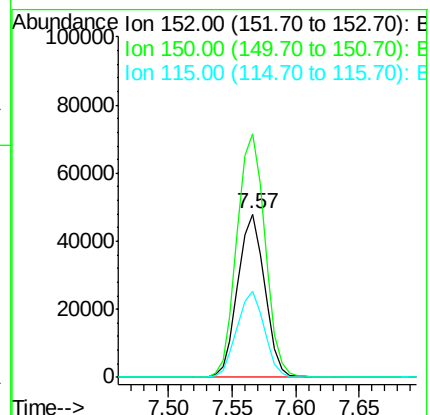
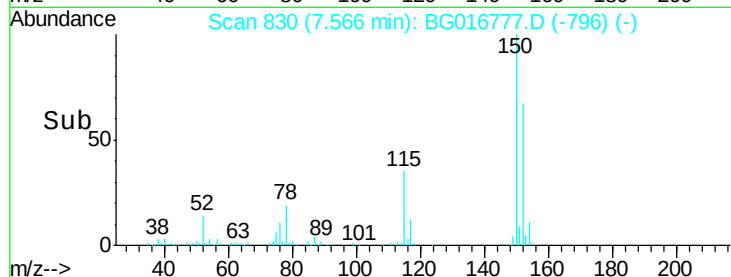
115 52.5 43.0 64.6



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: 22.26 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

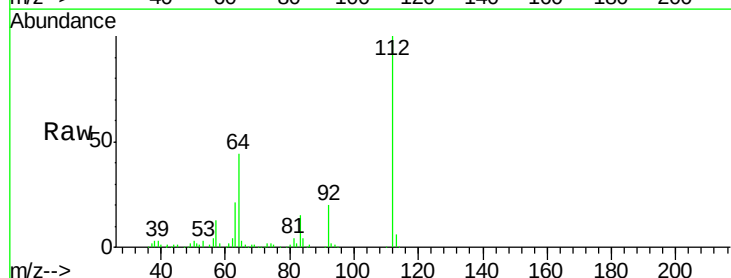
Tgt Ion:112 Resp: 97308

Ion Ratio Lower Upper

112 100

64 44.0 38.3 57.5

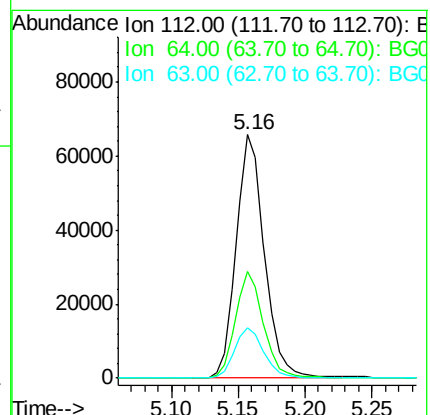
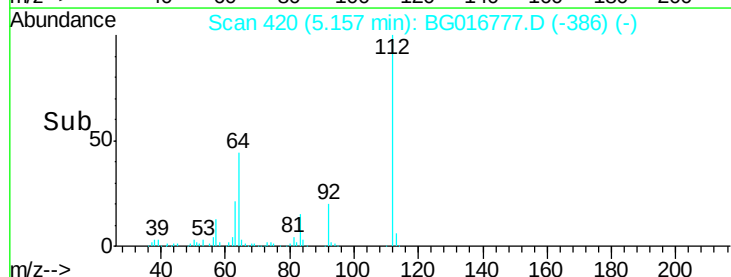
63 20.7 18.9 28.3

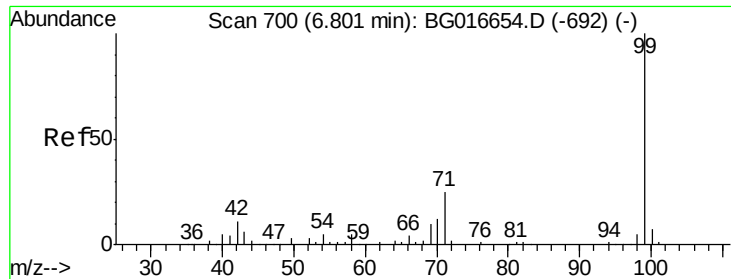


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 22.07 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampled :

PS-18-0-2

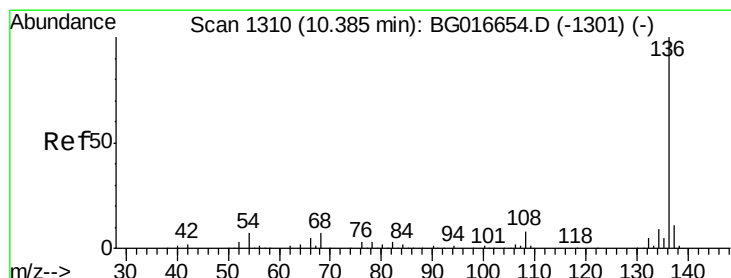
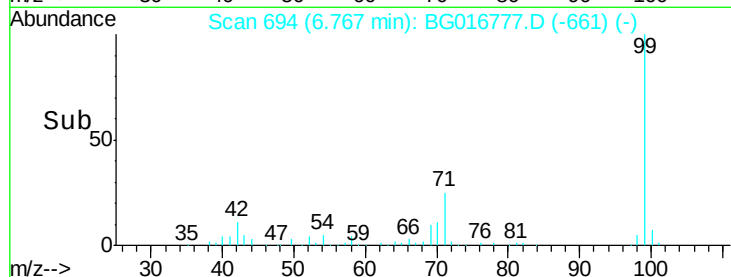
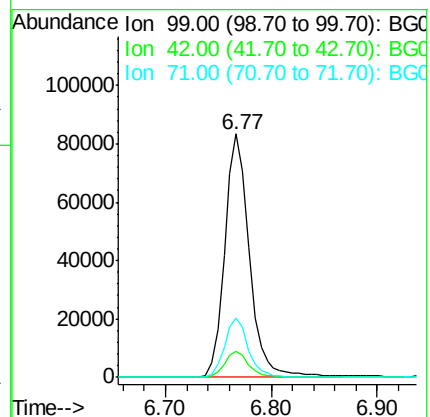
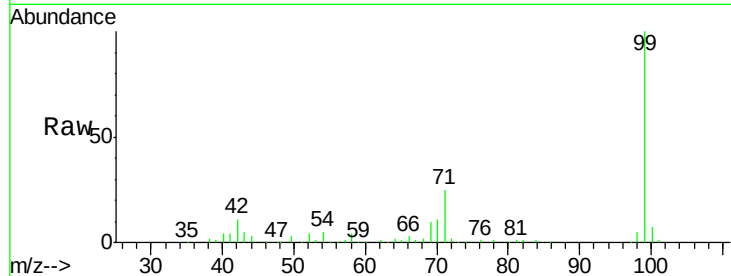
Tot Ion: 99 Resp: 135311

Ion Ratio Lower Upper

99 100

42 10.9 8.8 13.2

71 24.5 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: BG016777.D

Acq: 28 Apr 2015 22:30

Tgt Ion: 136 Resp: 299521

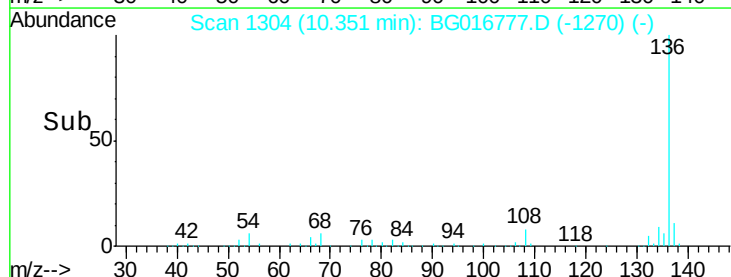
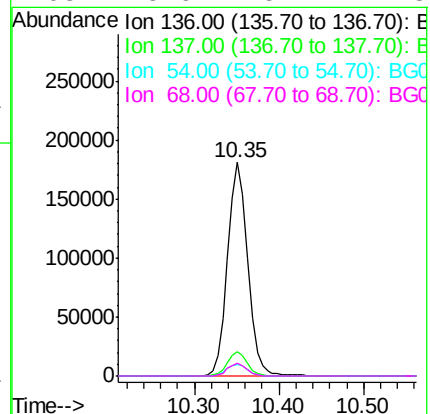
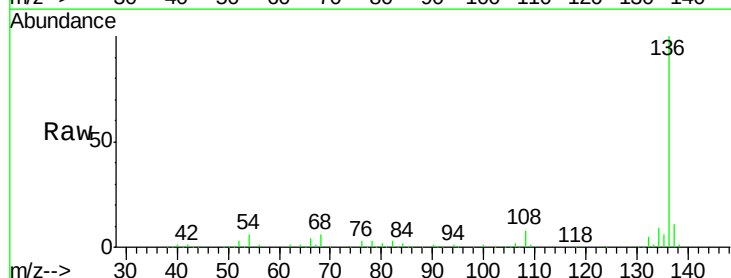
Ion Ratio Lower Upper

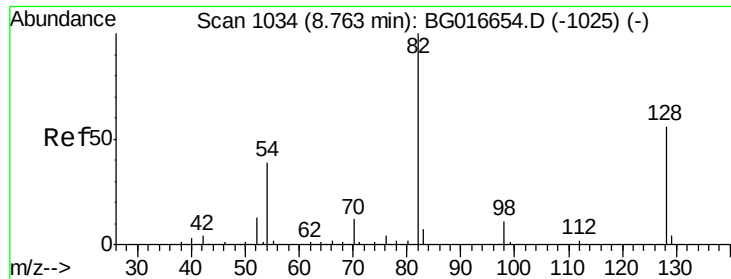
136 100

137 11.2 8.5 12.7

54 5.6 5.4 8.2

68 5.9 5.2 7.8

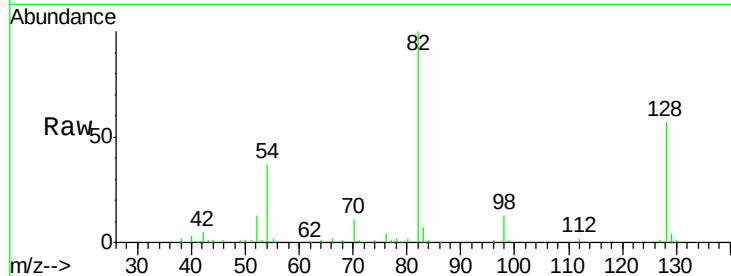




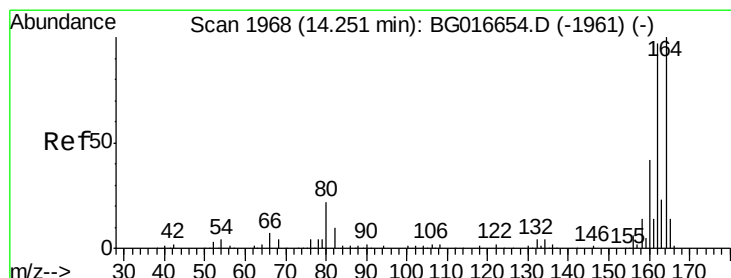
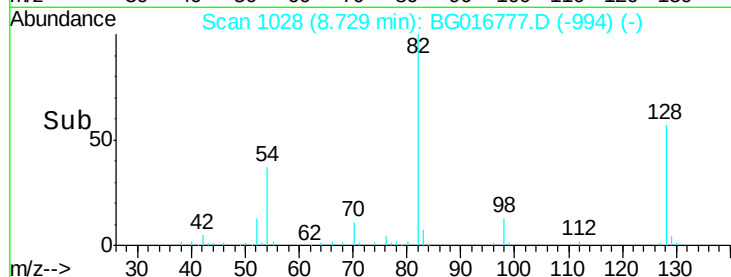
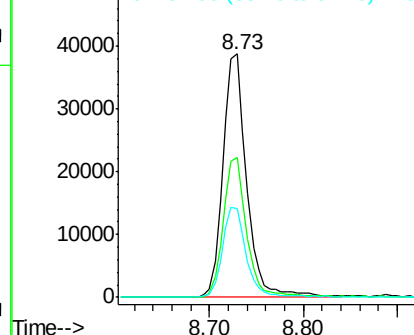
#23
 Nitrobenzene-d5
 Concen: 14.43 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG016777.D
 Acq: 28 Apr 2015 22:30

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

Tot Ion: 82 Resp: 68402
 Ion Ratio Lower Upper
 82 100
 128 57.4 44.7 67.1
 54 36.7 30.9 46.3

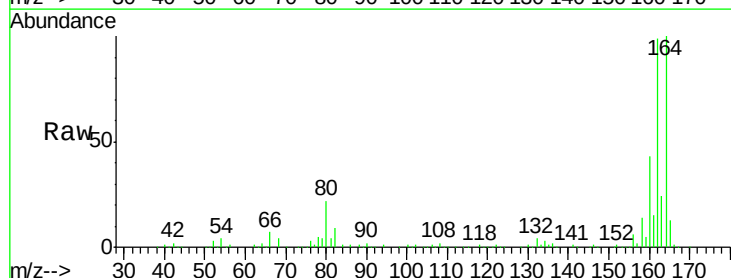


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

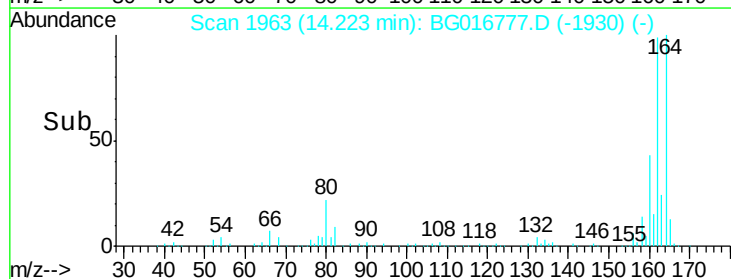
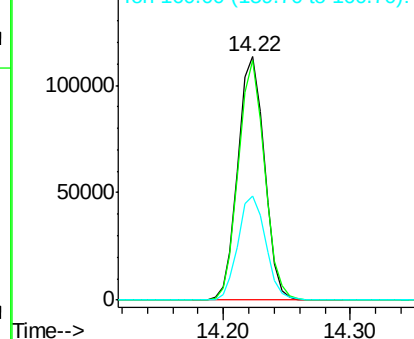


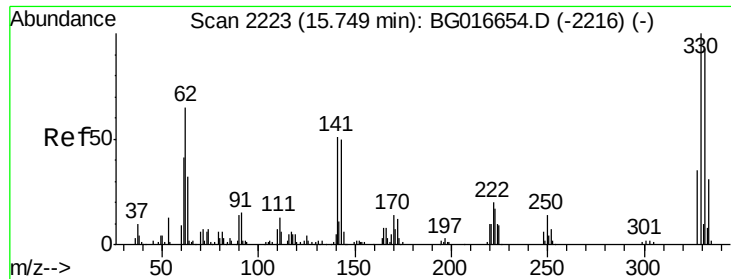
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BG016777.D
 Acq: 28 Apr 2015 22:30

Tgt Ion:164 Resp: 163630
 Ion Ratio Lower Upper
 164 100
 162 98.7 77.3 115.9
 160 43.0 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

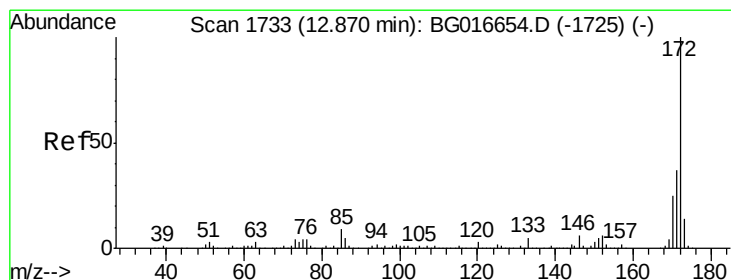
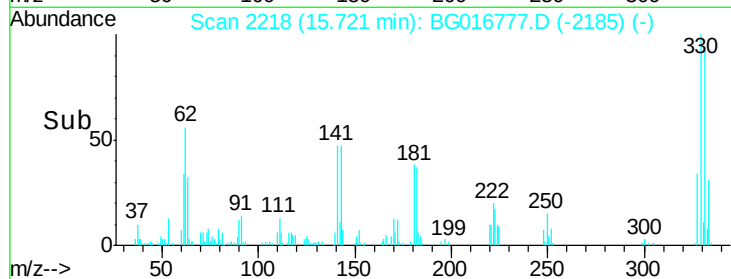
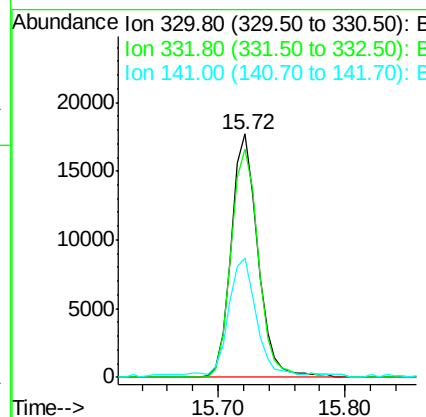
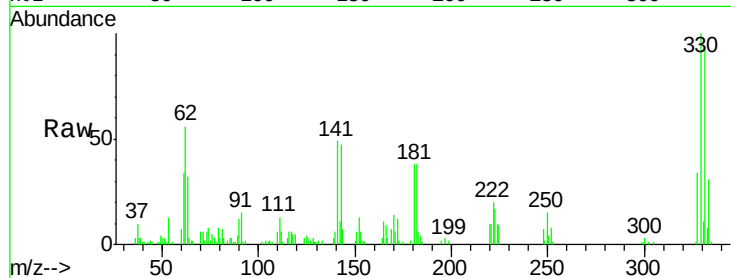




#41
 2,4,6-Tribromophenol
 Concen: 21.21 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG016777.D
 Acq: 28 Apr 2015 22:30

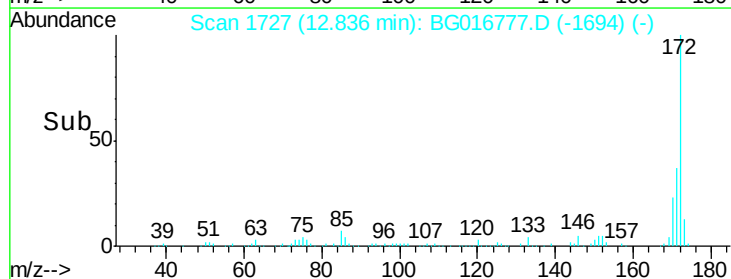
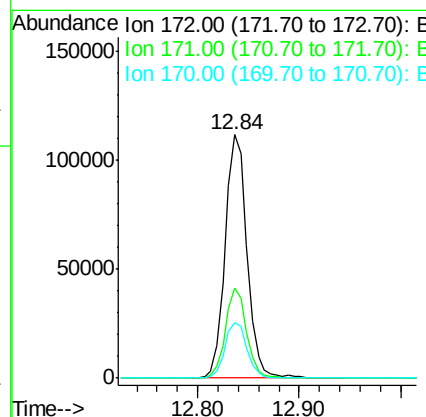
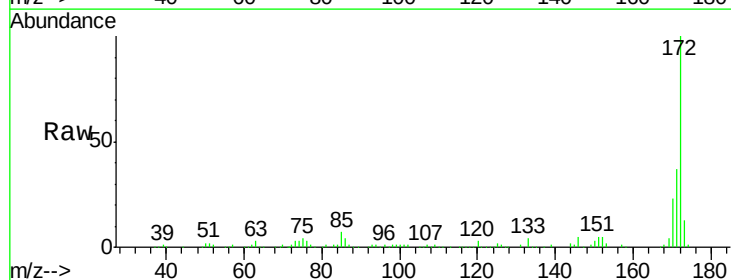
Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

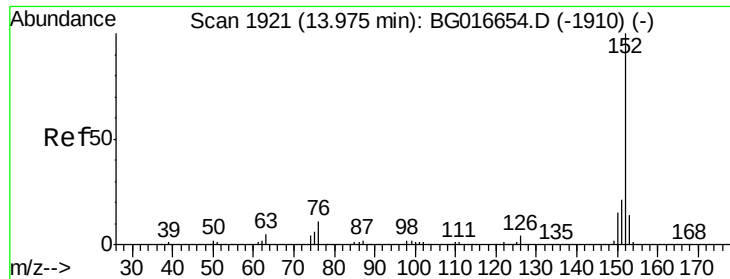
Tot Ion:330 Resp: 25747
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 54.1 43.0 64.6



#44
 2-Fluorobiphenyl
 Concen: 16.43 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG016777.D
 Acq: 28 Apr 2015 22:30

Tgt Ion:172 Resp: 167332
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.9 44.9
 170 22.8 19.8 29.8





#48

Acenaphthylene

Concen: 2.84 ng

RT: 13.95 min Scan# 1916

Delta R.T. 0.00 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

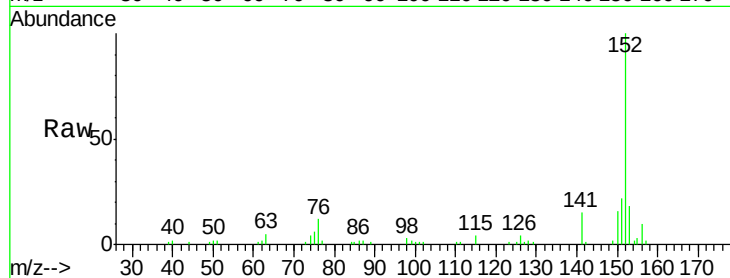
Tot Ion:152 Resp: 49167

Ion Ratio Lower Upper

152 100

151 21.6 16.7 25.1

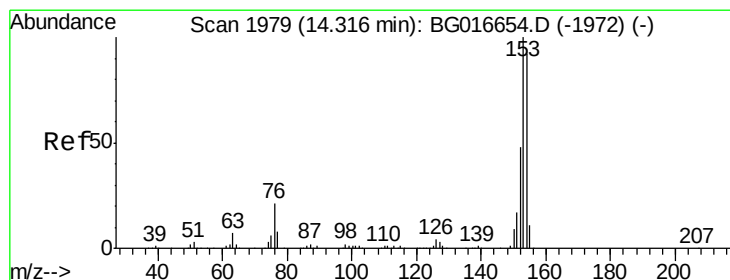
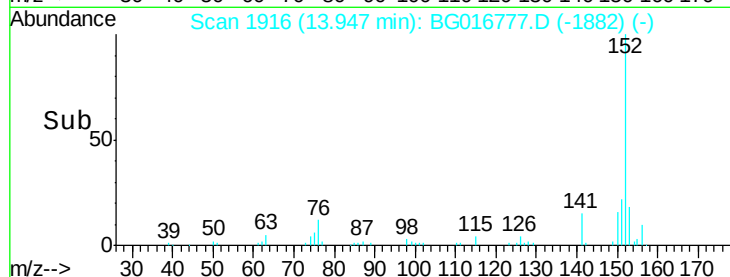
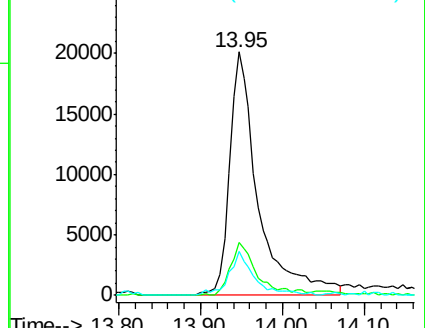
153 17.9 11.0 16.6#



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



#51

Acenaphthene

Concen: 3.51 ng

RT: 14.29 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

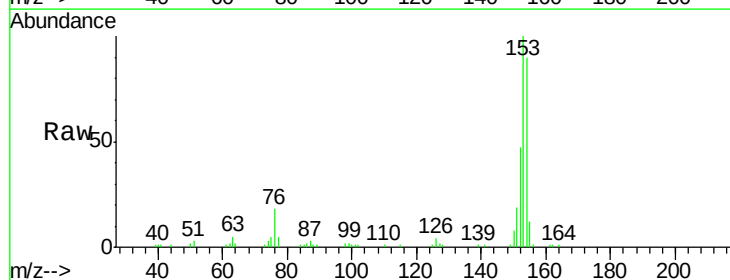
Tgt Ion:154 Resp: 36426

Ion Ratio Lower Upper

154 100

153 110.8 87.0 130.6

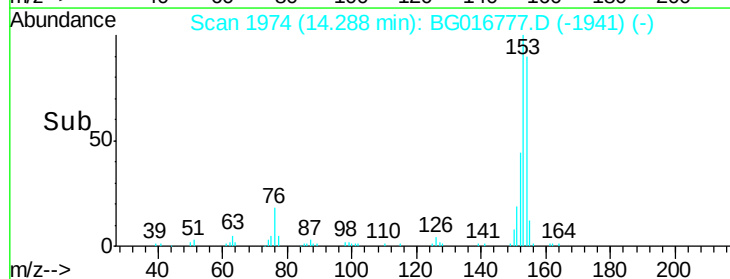
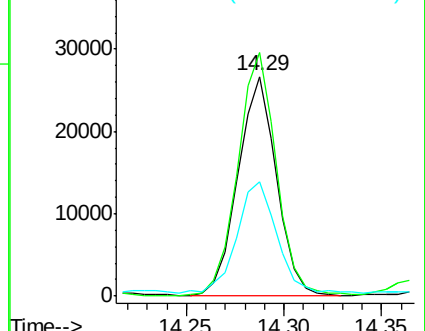
152 52.0 41.6 62.4

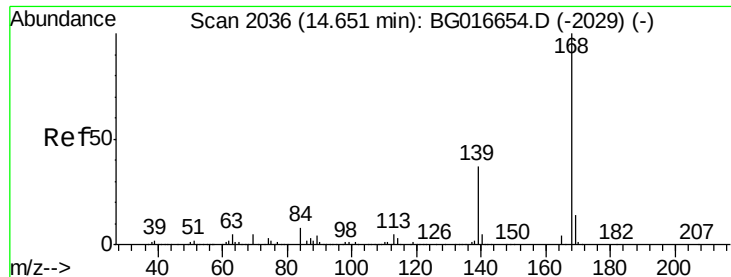


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

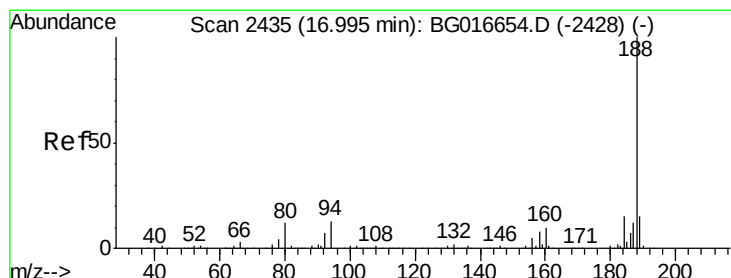
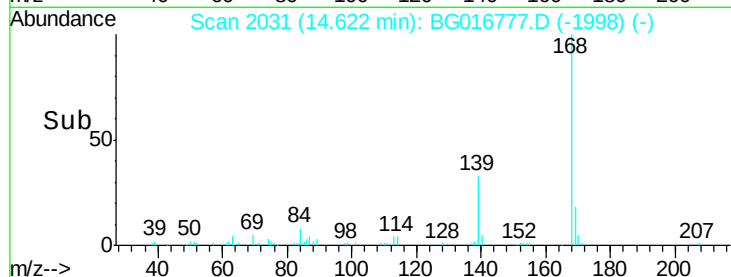
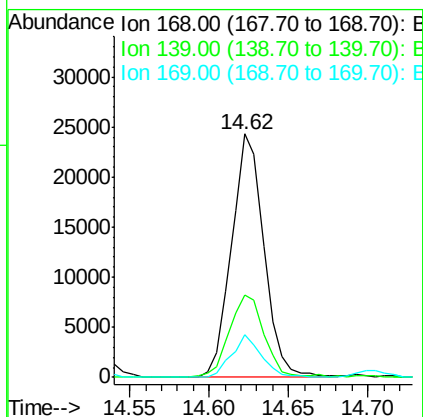
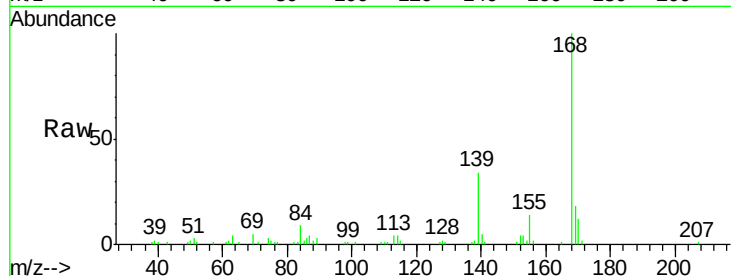




#54
Dibenzenofuran
Concen: 2.36 ng
RT: 14.62 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

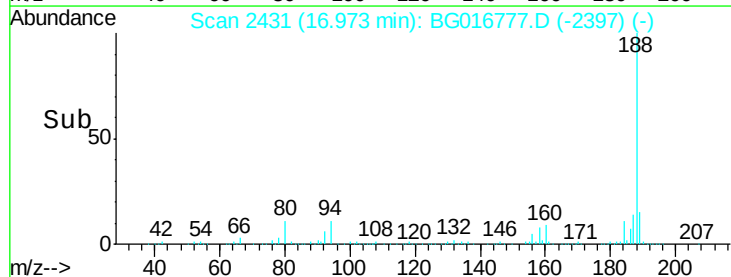
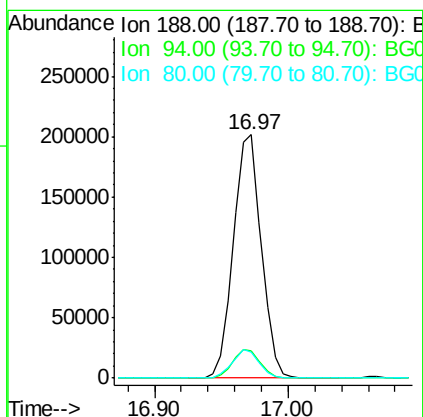
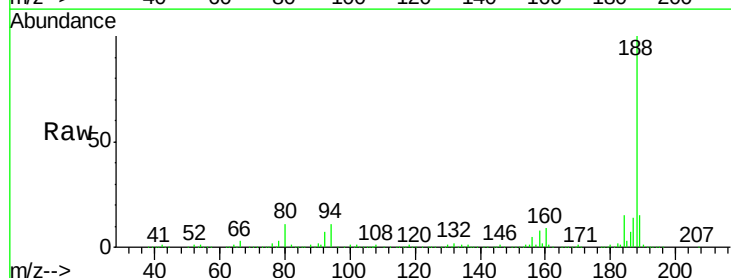
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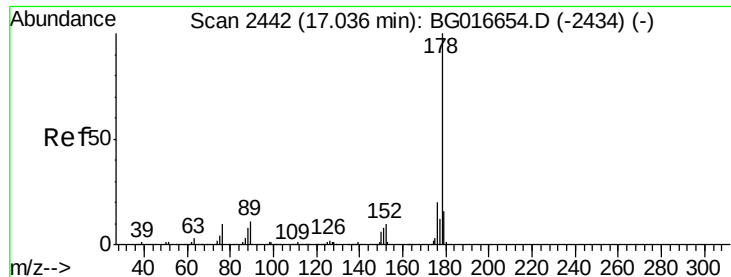
Tot Ion:168 Resp: 34502
Ion Ratio Lower Upper
168 100
139 34.0 29.8 44.8
169 17.6 11.0 16.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

Tgt Ion:188 Resp: 294003
Ion Ratio Lower Upper
188 100
94 11.3 10.7 16.1
80 10.8 9.9 14.9

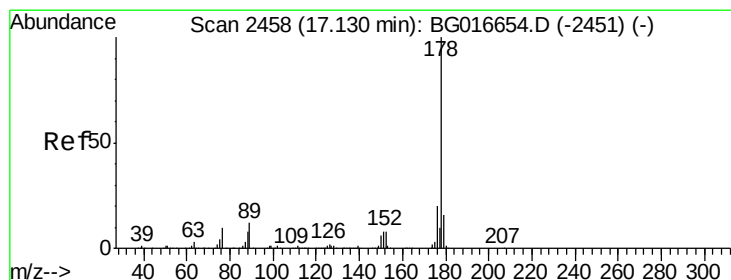
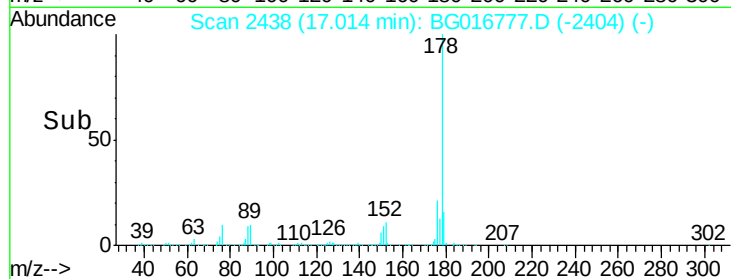
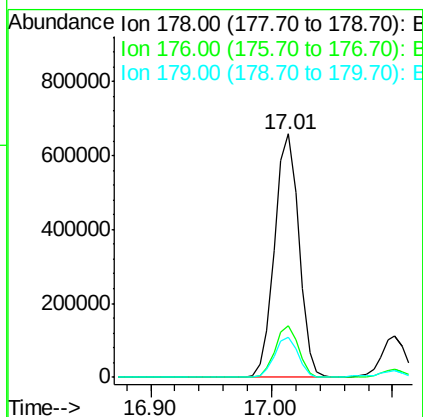
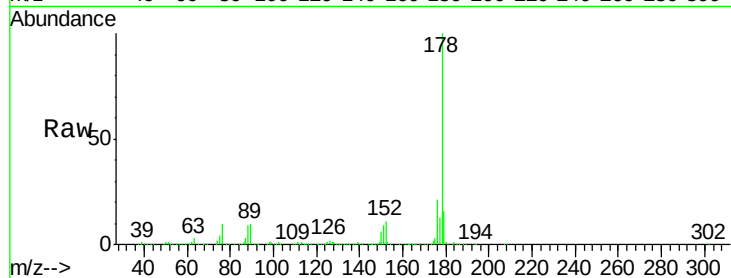




#70
Phenanthrene
Concen: 53.87 ng
RT: 17.01 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

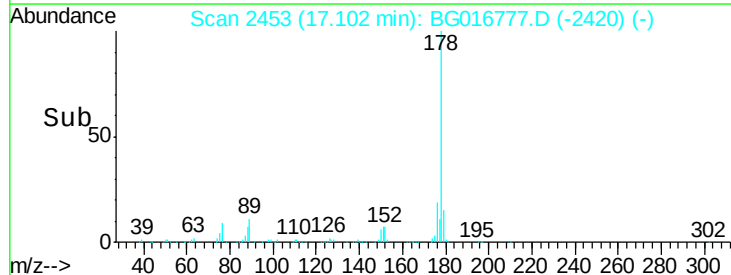
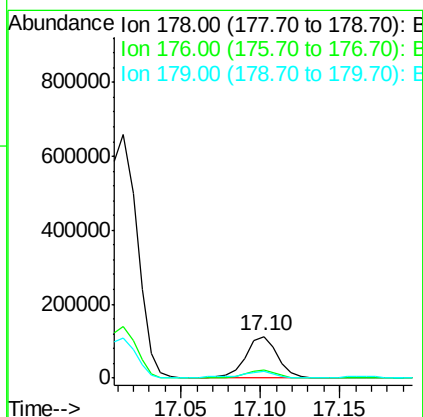
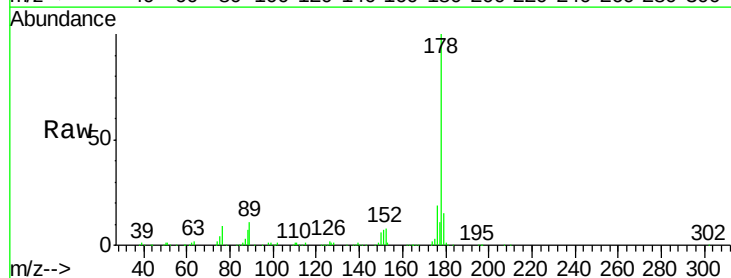
Instrument :
BNA_G
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PS-18-0-2

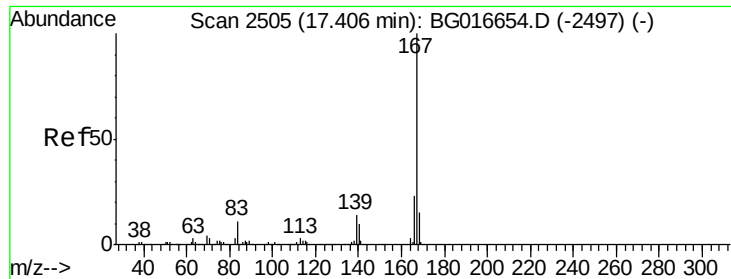
Tot Ion:178 Resp: 909890
Ion Ratio Lower Upper
178 100
176 21.2 15.8 23.6
179 16.5 12.8 19.2



#71
Anthracene
Concen: 9.11 ng
RT: 17.10 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

Tgt Ion:178 Resp: 152969
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.2 12.9 19.3

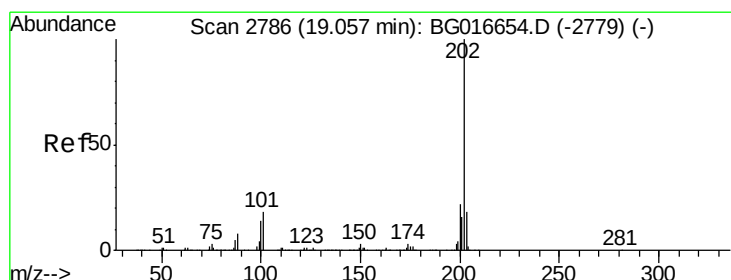
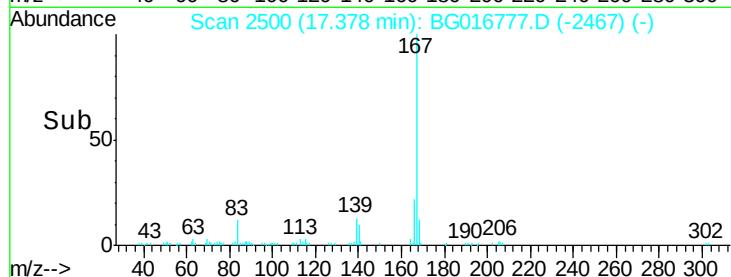
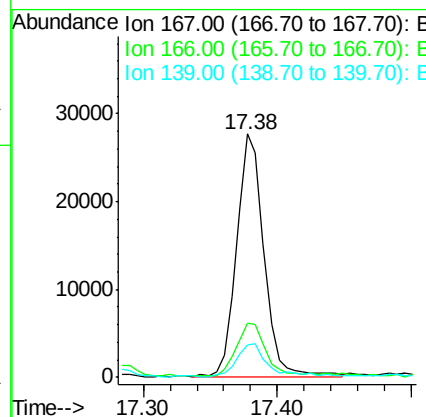
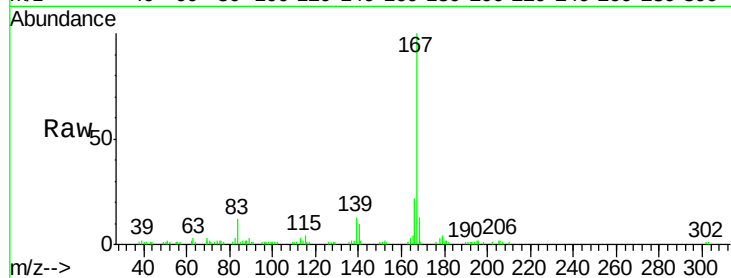




#72
 Carbazole
 Concen: 2.38 ng
 RT: 17.38 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BG016777.D
 Acq: 28 Apr 2015 22:30

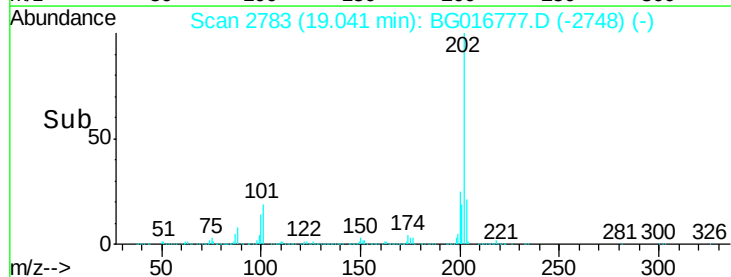
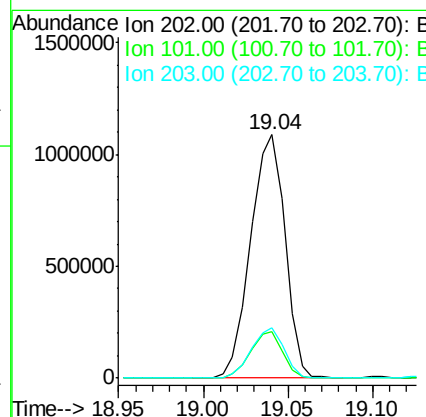
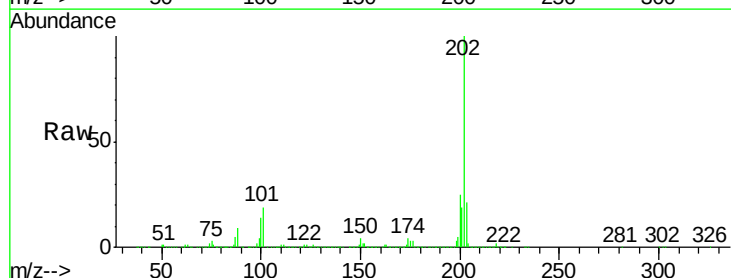
Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2

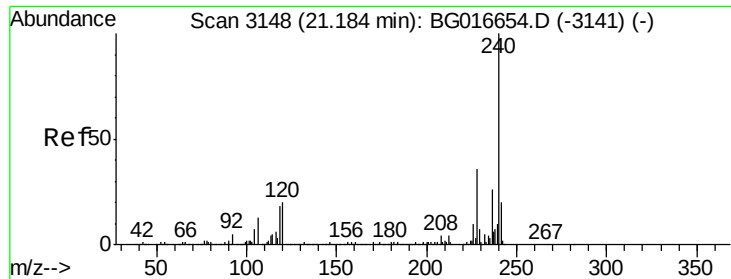
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.4	27.6
139	13.3	11.1	16.7



#74
 Fluoranthene
 Concen: 86.35 ng
 RT: 19.04 min Scan# 2783
 Delta R.T. 0.01 min
 Lab File: BG016777.D
 Acq: 28 Apr 2015 22:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.1	0.0	38.1
203	20.9	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: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

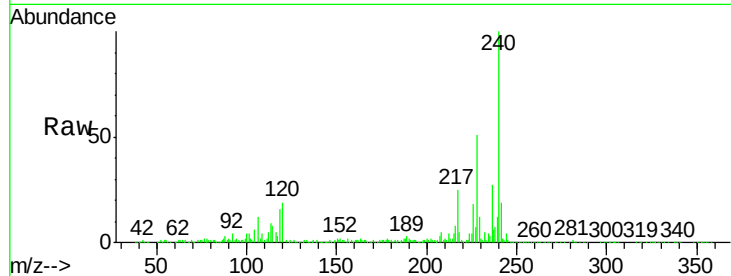
Tot Ion:240 Resp: 249995

Ion Ratio Lower Upper

240 100

120 18.6 16.3 24.5

236 26.7 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

21.16

200000

150000

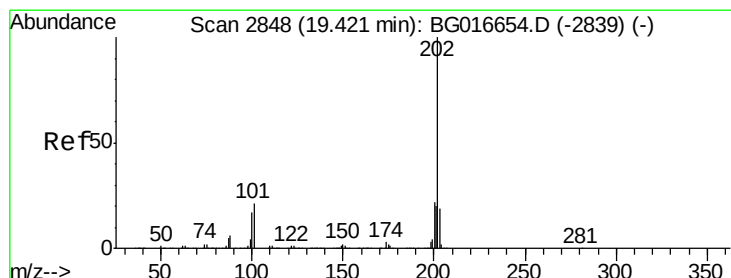
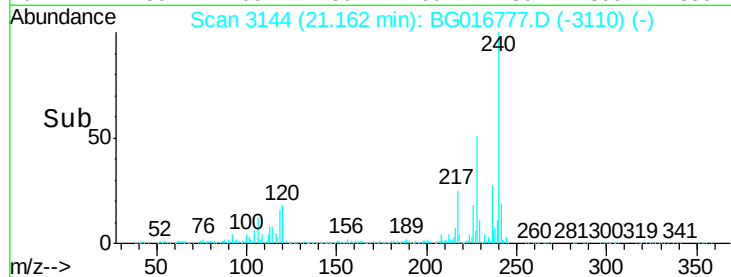
100000

50000

0

21.10 21.15 21.20

Time-->



#77

Pyrene

Concen: 92.50 ng

RT: 19.41 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

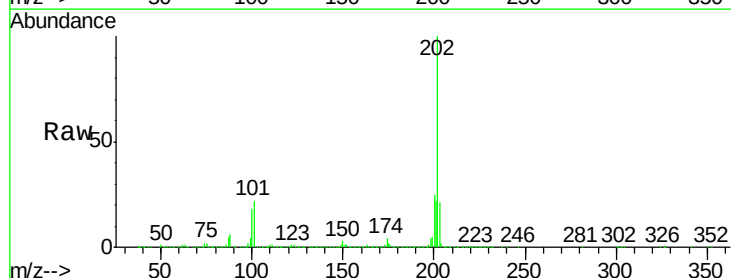
Tgt Ion:202 Resp: 1624524

Ion Ratio Lower Upper

202 100

200 25.5 18.0 27.0

203 21.2 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

1500000

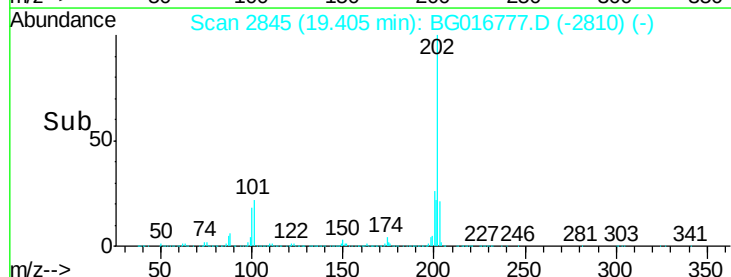
1000000

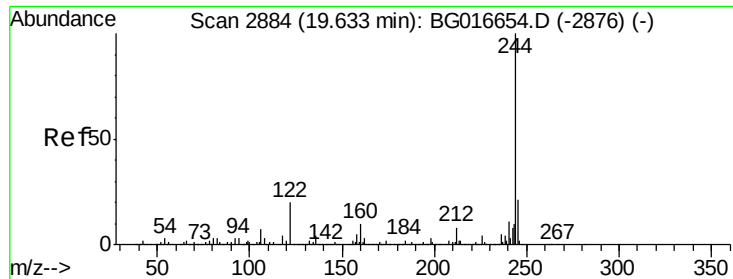
500000

0

19.30 19.35 19.40 19.45

Time-->





#78

Terphenyl-d14

Concen: 14.92 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

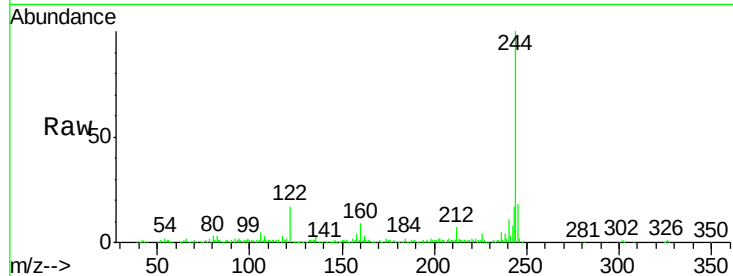
Tot Ion:244 Resp: 161948

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

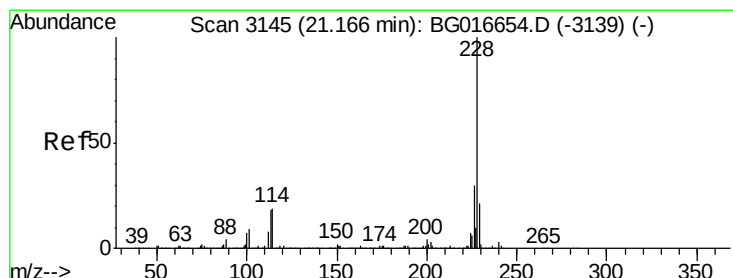
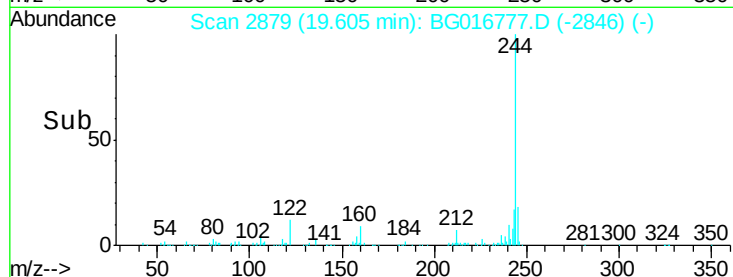
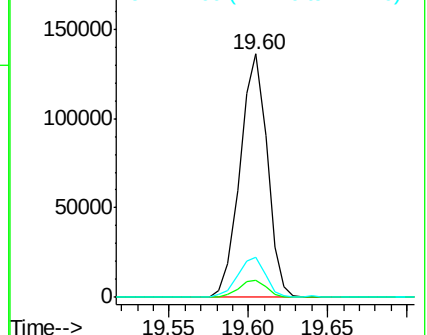
122 16.6 15.9 23.9



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: 60.17 ng

RT: 21.14 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

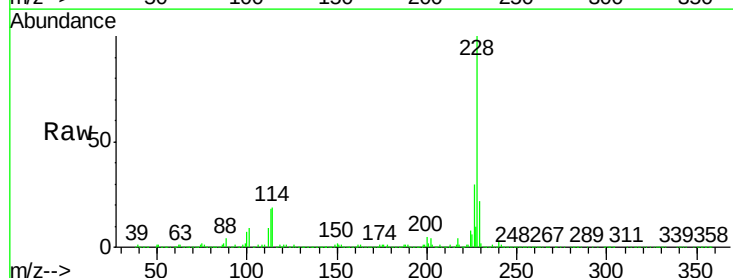
Tgt Ion:228 Resp: 912185

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

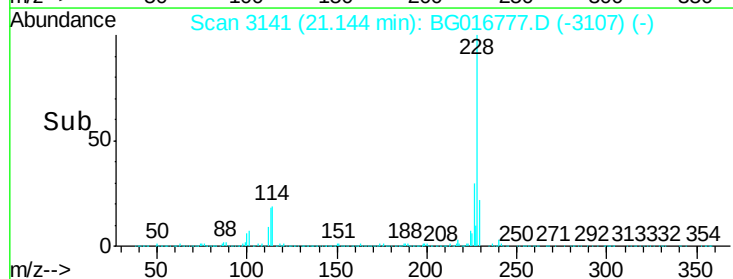
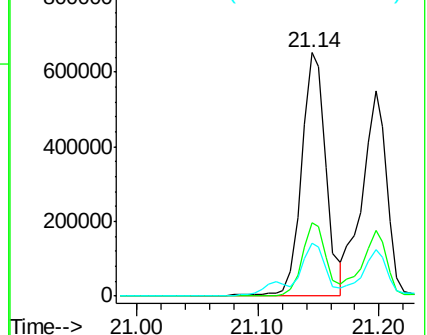
229 21.5 17.0 25.4

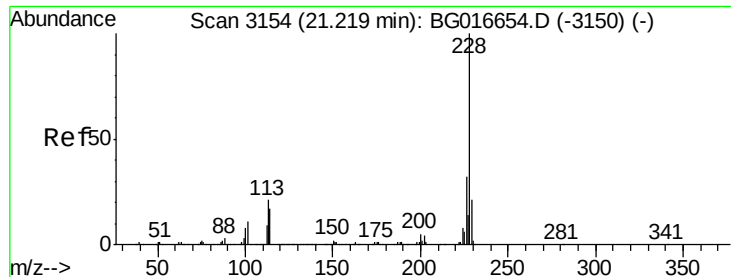


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 53.05 ng

RT: 21.20 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

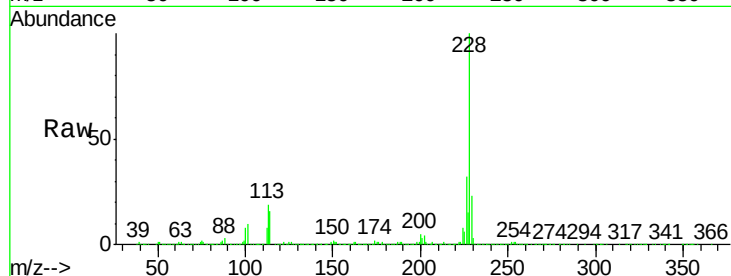
Tot Ion:228 Resp: 770967

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.0

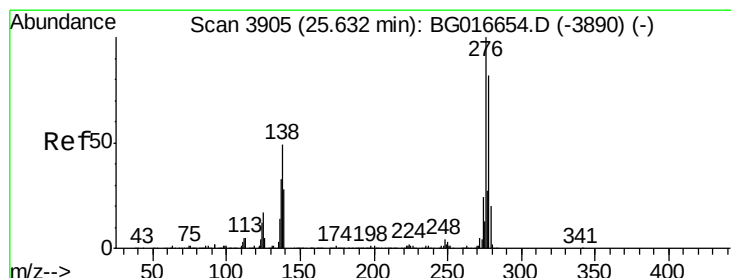
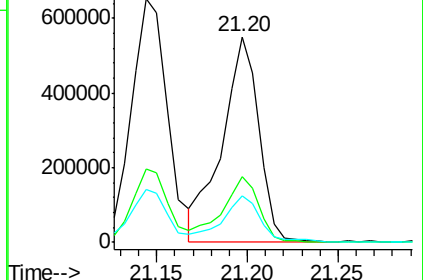
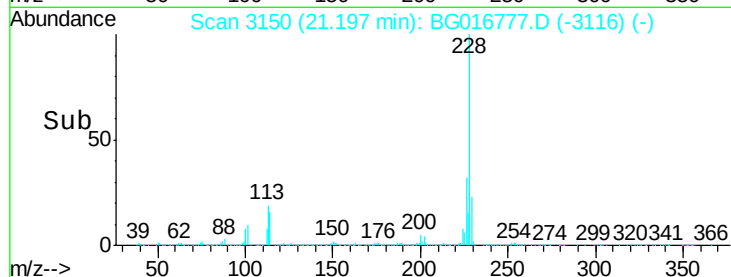
229 22.9 16.5 24.7



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: 26.67 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

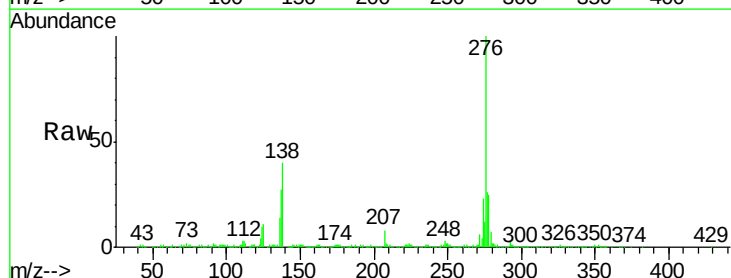
Tgt Ion:276 Resp: 422499

Ion Ratio Lower Upper

276 100

138 38.8 38.2 57.2

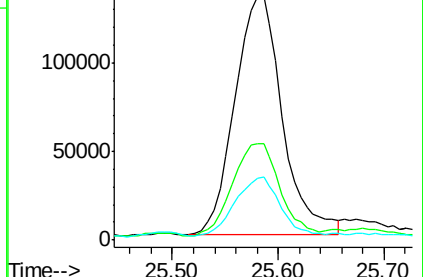
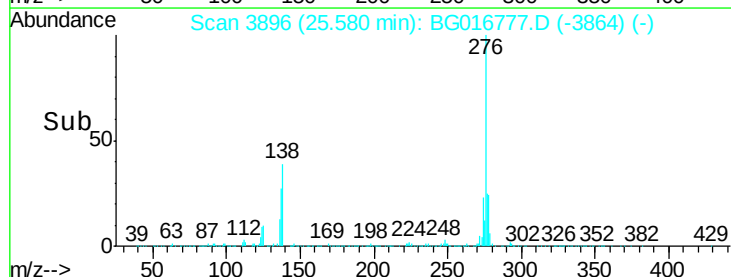
277 22.8 21.4 32.2

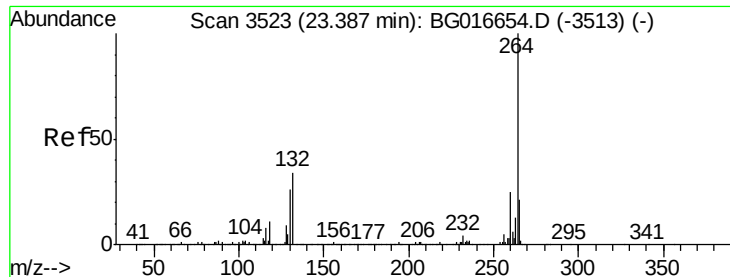


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

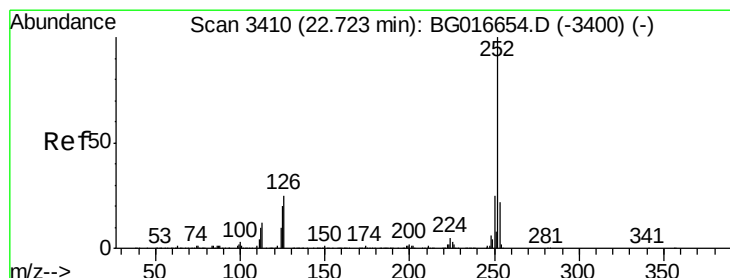
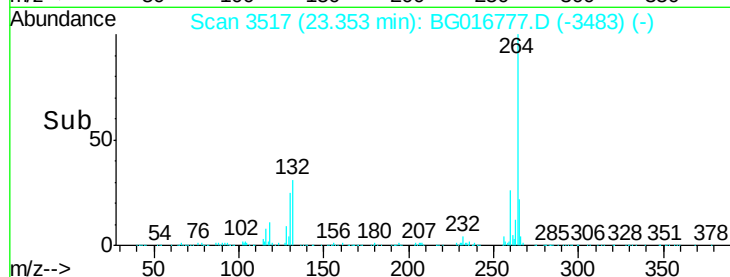
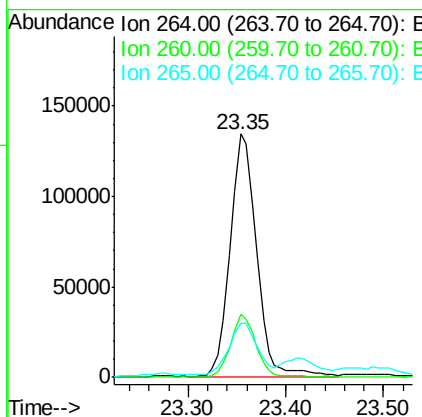
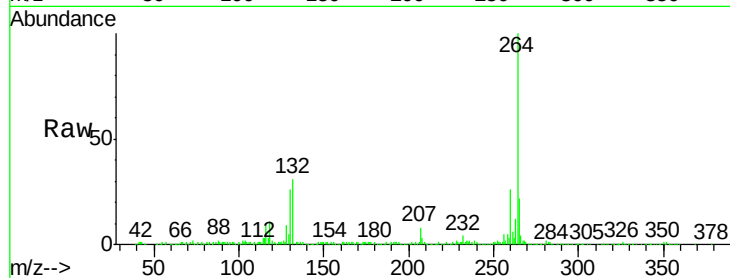




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

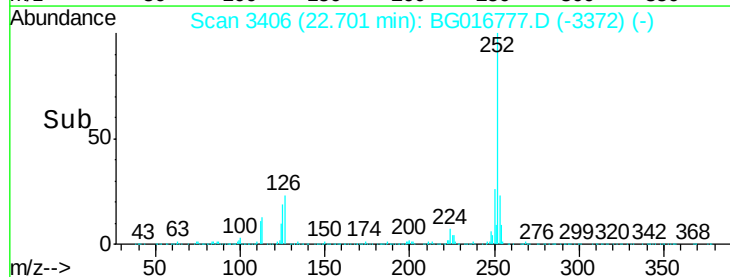
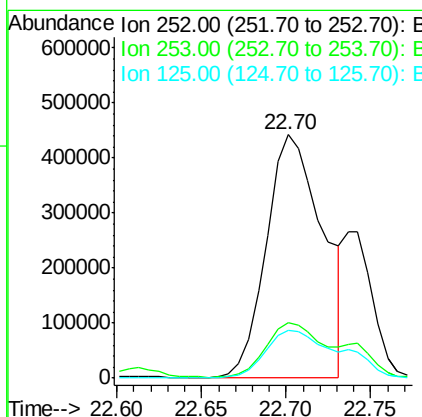
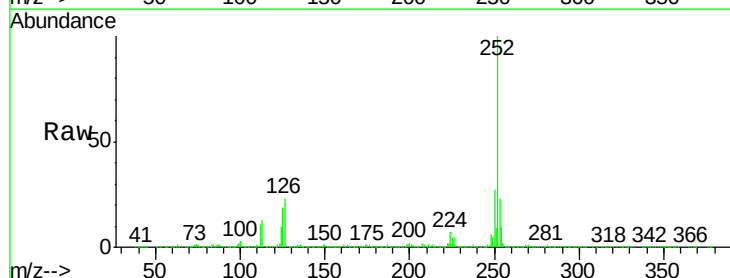
Instrument :
BNA_G
ClientSampleId :
PS-18-0-2

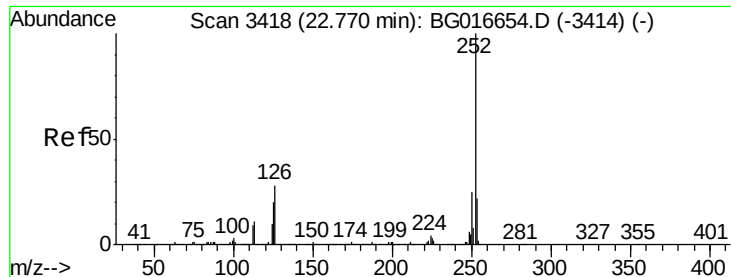
Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.0	30.0
265	22.5	16.8	25.2



#87
Benzo(b)fluoranthene
Concen: 66.35 ng
RT: 22.70 min Scan# 3406
Delta R.T. 0.00 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	19.5	15.8	23.8

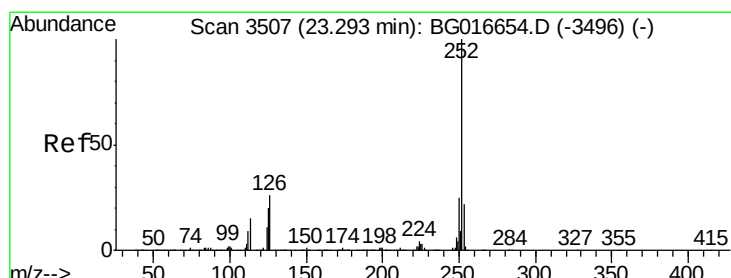
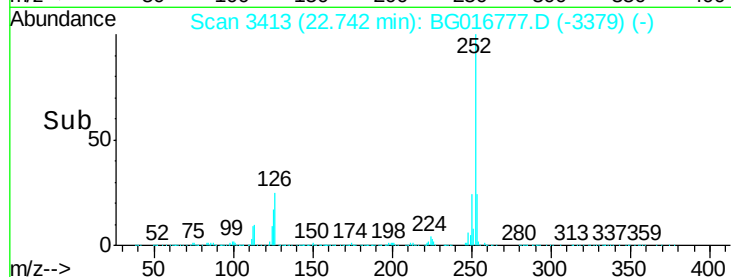
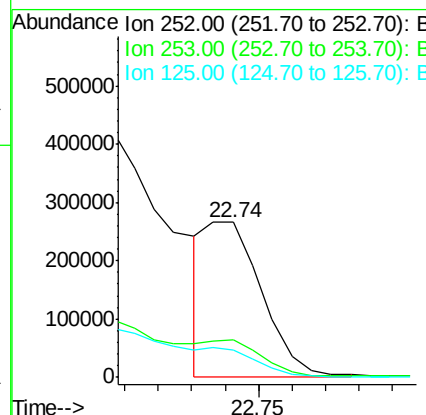
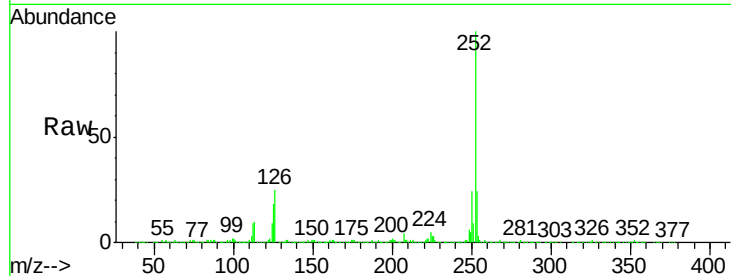




#88
Benzo(k)fluoranthene
Concen: 20.65 ng m
RT: 22.74 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

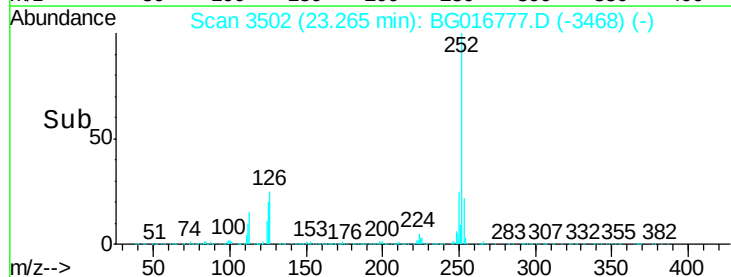
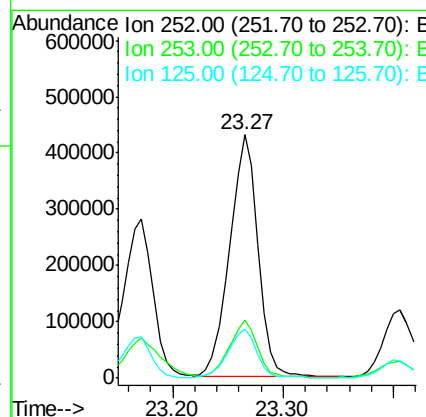
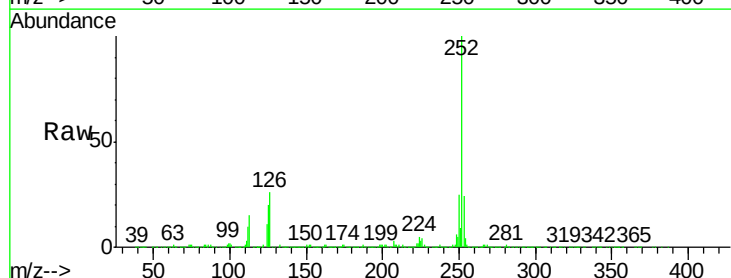
Instrument :
BNA_G
ClientSampled :
PS-18-0-2

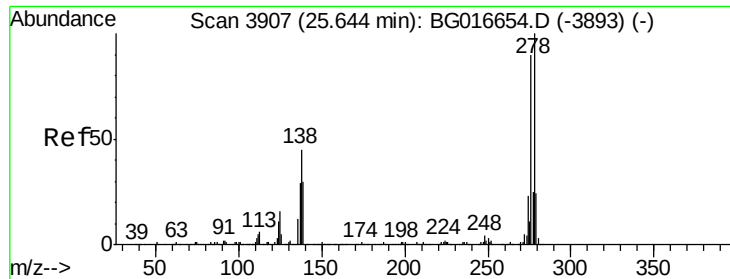
Tot Ion:252 Resp: 310185
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 17.6 15.5 23.3



#89
Benzo(a)pyrene
Concen: 52.86 ng
RT: 23.27 min Scan# 3502
Delta R.T. 0.00 min
Lab File: BG016777.D
Acq: 28 Apr 2015 22:30

Tgt Ion:252 Resp: 766746
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 20.3 16.3 24.5





#90

Dibenzo(a,h)anthracene

Concen: 6.32 ng/mL

RT: 25.59 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2

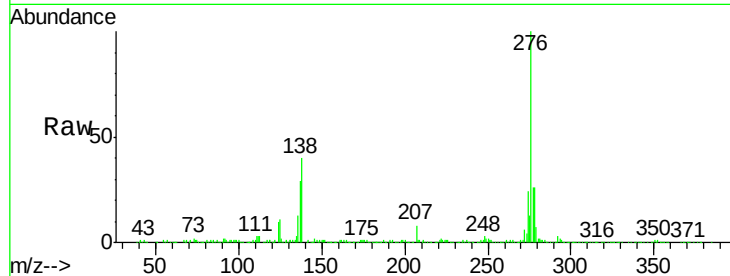
Tot Ion:278 Resp: 89088

Ion Ratio Lower Upper

278 100

139 0.0 24.2 36.2#

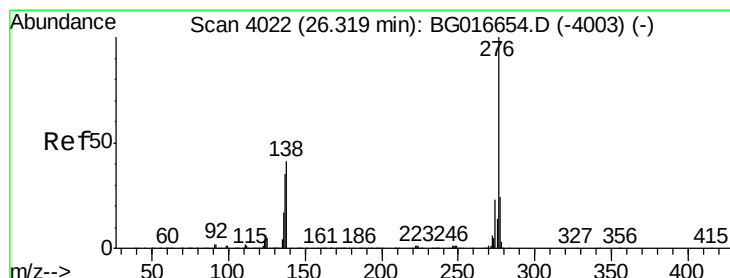
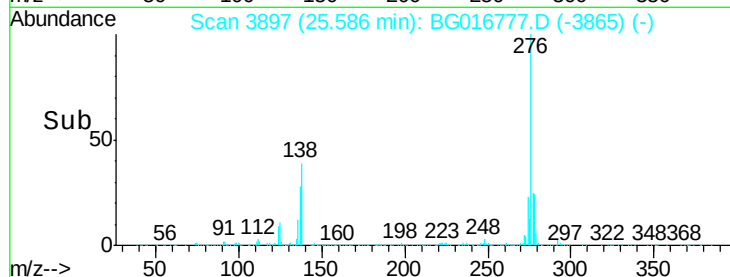
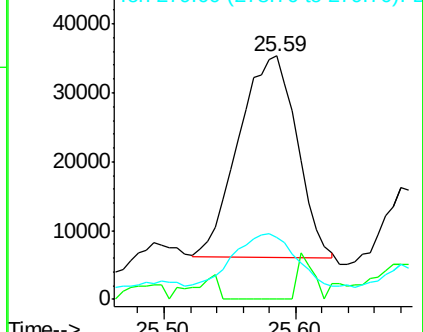
279 25.6 18.9 28.3



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: 27.88 ng/mL

RT: 26.27 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BG016777.D

Acq: 28 Apr 2015 22:30

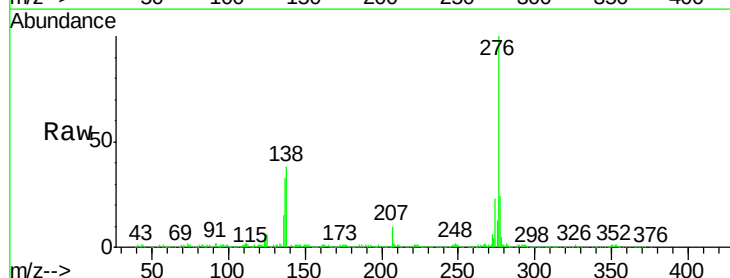
Tgt Ion:276 Resp: 400040

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 38.4 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

