

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
 Data File : BG021064.D
 Acq On : 24 Feb 2016 23:11
 Operator : UM/SJ
 Sample : H1521-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 25 03:32:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 00:35:06 2016
 Response via : Initial Calibration

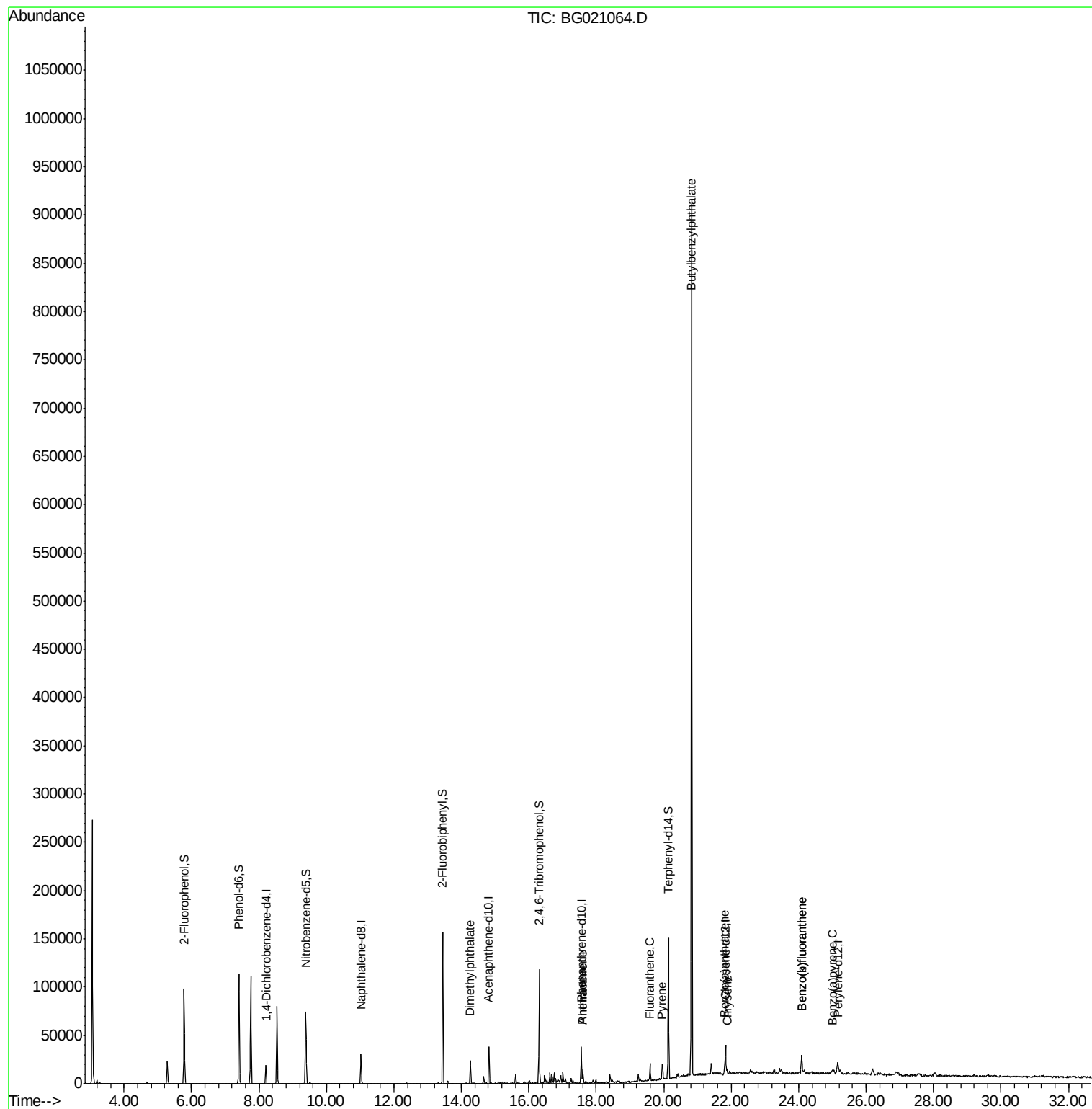
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	5855	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	27658	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	12947	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	22441	20.00	ng	0.00
75) Chrysene-d12	21.83	240	16560	20.00	ng	0.00
86) Perylene-d12	25.16	264	13816	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	45330	135.73	ng	0.00
7) Phenol-d6	7.41	99	69552	135.23	ng	0.00
23) Nitrobenzene-d5	9.39	82	46134	97.93	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	19237	124.03	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	75081	80.73	ng	0.00
78) Terphenyl-d14	20.14	244	53613	42.01	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.27	163	15355	14.54	ng	98
70) Phenanthrene	17.60	178	8887	7.00	ng	96
71) Anthracene	17.60	178	8887	7.03	ng	94
74) Fluoranthene	19.59	202	10650	8.34	ng	97
77) Pyrene	19.96	202	8835	4.67	ng	# 96
79) Butylbenzylphthalate	20.83	149	278093	416.78	ng	98
80) Benzo(a)anthracene	21.81	228	3749	3.78	ng	# 93
82) Chrysene	21.87	228	3824	4.13	ng	93
87) Benzo(b)fluoranthene	24.10	252	4219	4.63	ng	# 83
88) Benzo(k)fluoranthene	24.10	252	4219	4.91	ng	# 82
89) Benzo(a)pyrene	25.00	252	3035	3.72	ng	# 82

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

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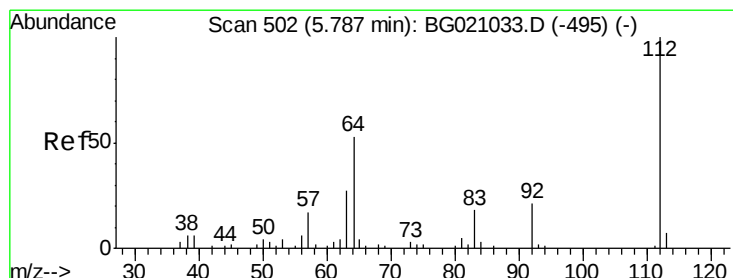
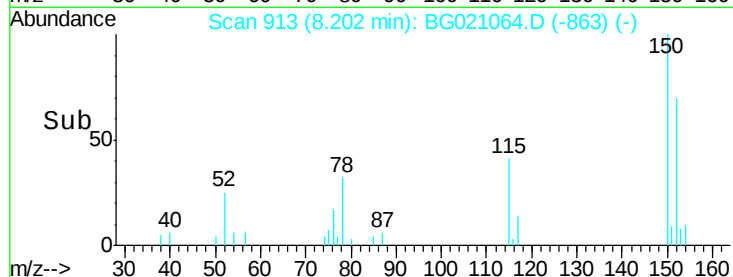
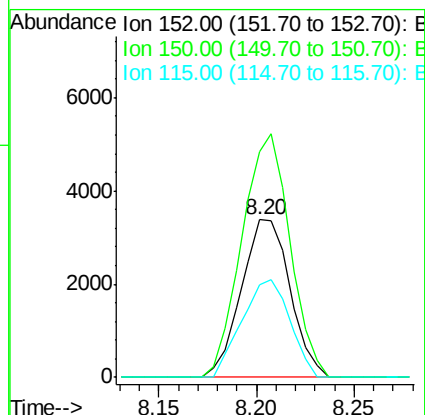
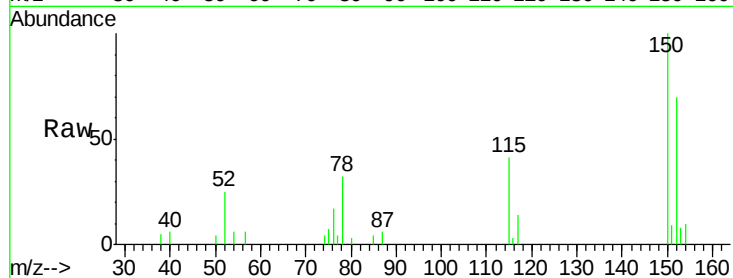




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.20 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BG021064.D
 Acq: 24 Feb 2016 23:11

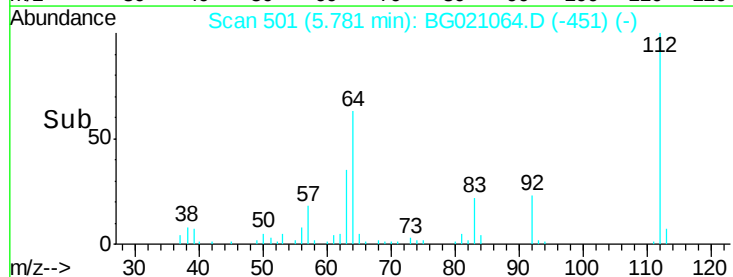
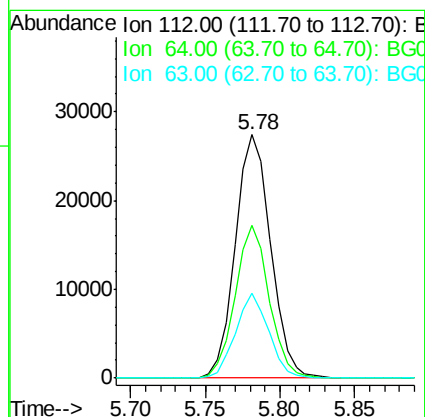
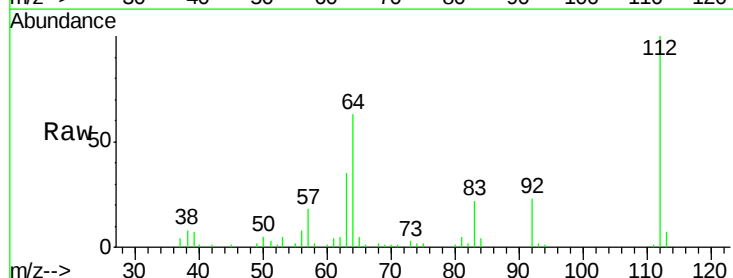
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 5855
 Ion Ratio Lower Upper
 152 100
 150 143.7 123.4 185.2
 115 58.7 43.3 64.9



#5
 2-Fluorophenol
 Concen: 135.73 ng
 RT: 5.78 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: BG021064.D
 Acq: 24 Feb 2016 23:11

Tgt Ion:112 Resp: 45330
 Ion Ratio Lower Upper
 112 100
 64 62.9 42.6 63.8
 63 34.9 21.7 32.5#





#7

Phenol-d6

Concen: 135.23 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampled :

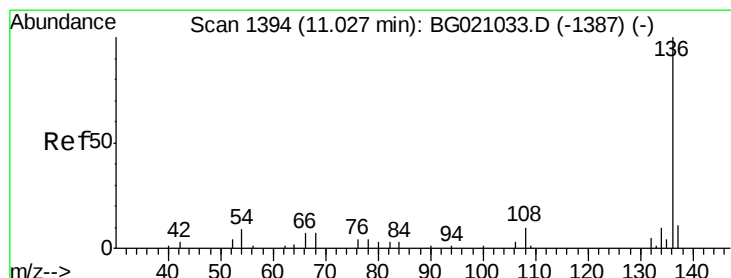
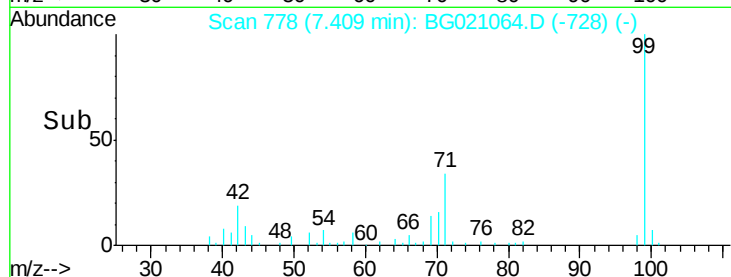
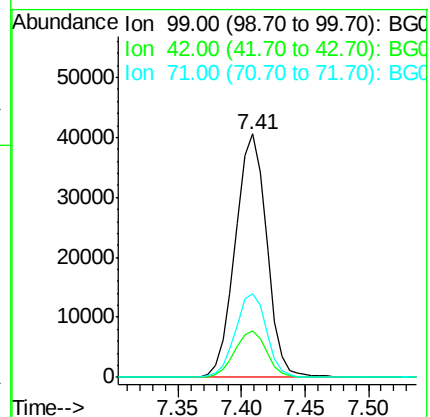
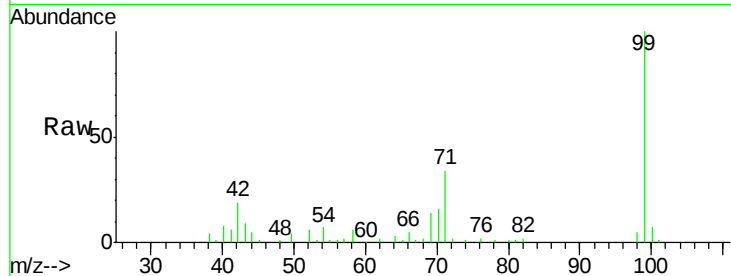
Tot Ion: 99 Resp: 69552

Ion Ratio Lower Upper

99 100

42 19.3 13.2 19.8

71 34.1 25.2 37.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Tgt Ion: 136 Resp: 27658

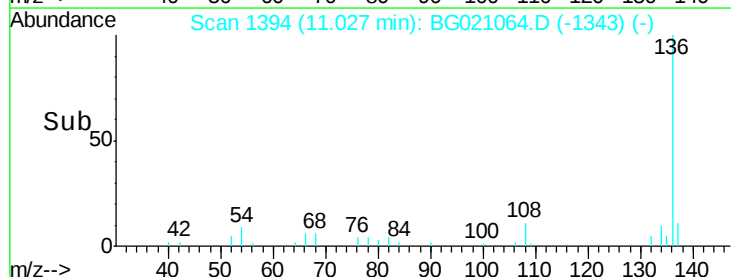
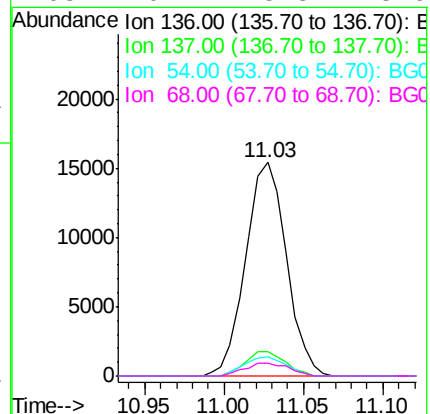
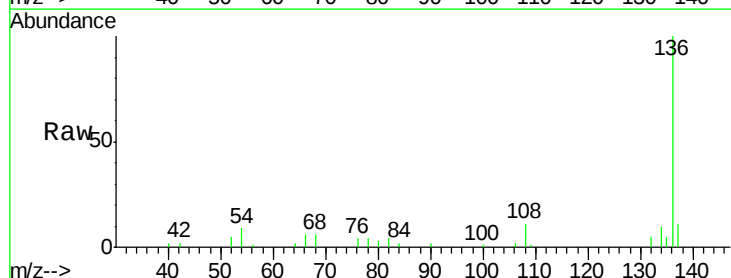
Ion Ratio Lower Upper

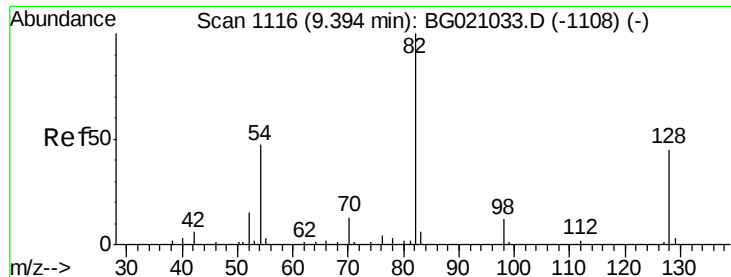
136 100

137 11.4 8.8 13.2

54 8.9 6.9 10.3

68 6.1 5.8 8.6

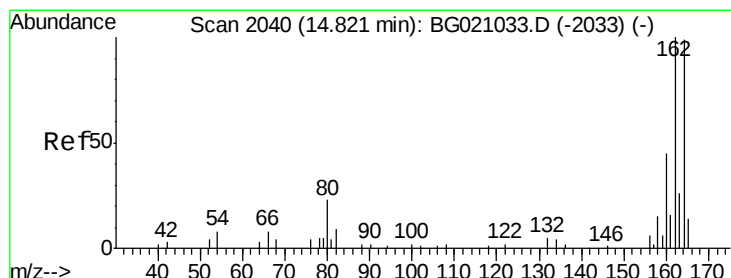
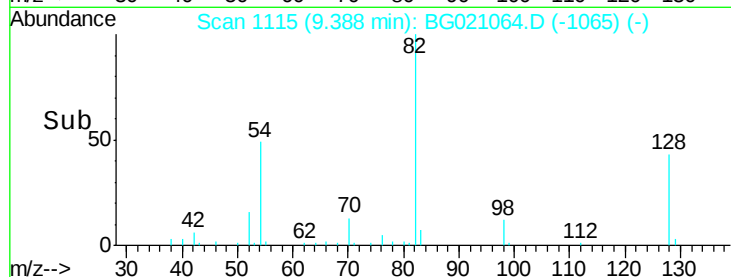
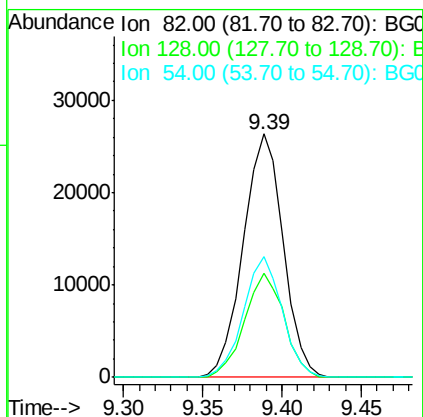
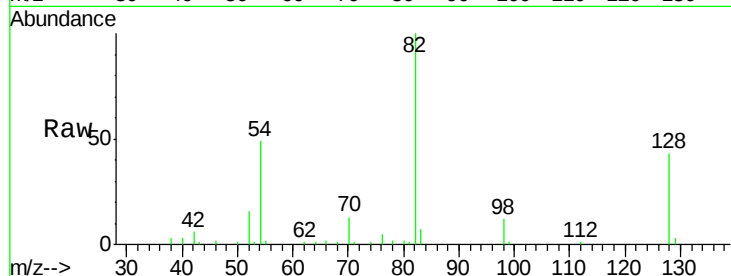




#23
Nitrobenzene-d5
Concen: 97.93 ng
RT: 9.39 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG021064.D
Acq: 24 Feb 2016 23:11

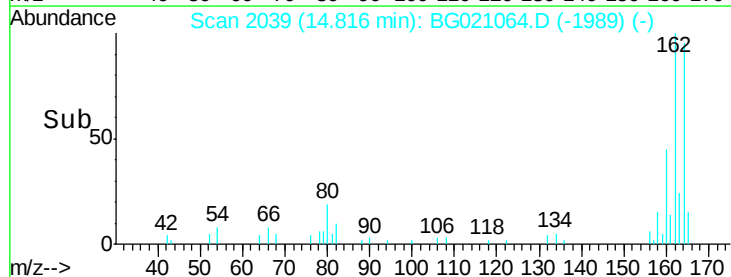
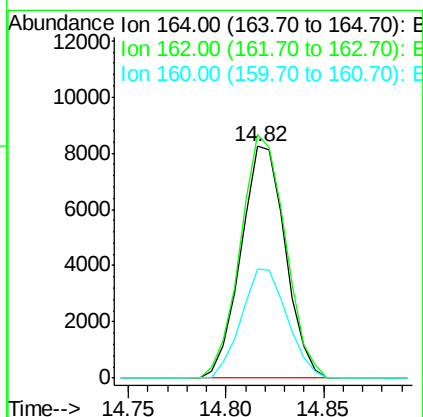
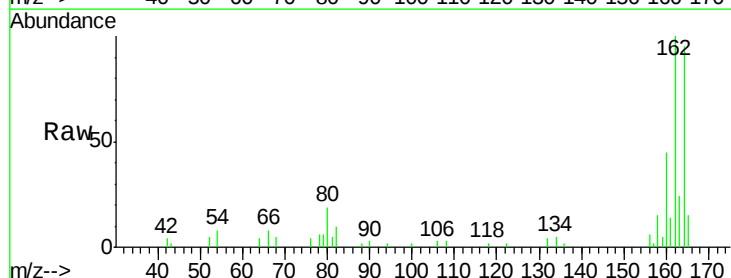
Instrument :
BNA_G
ClientSampleId :

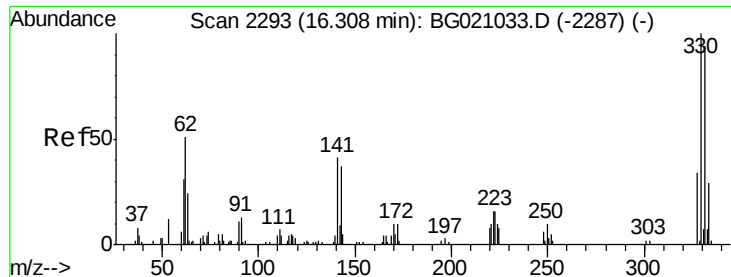
Tot Ion	82	Resp	46134
Ion Ratio	Lower	Upper	
82	100		
128	42.8	36.3	54.5
54	49.4	37.6	56.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021064.D
Acq: 24 Feb 2016 23:11

Tgt Ion	164	Resp	12947
Ion Ratio	Lower	Upper	
164	100		
162	105.2	80.6	120.8
160	47.2	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 124.03 ng

RT: 16.31 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampleId :

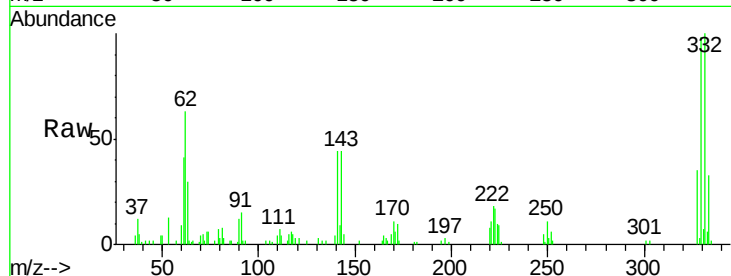
Tot Ion:330 Resp: 19237

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

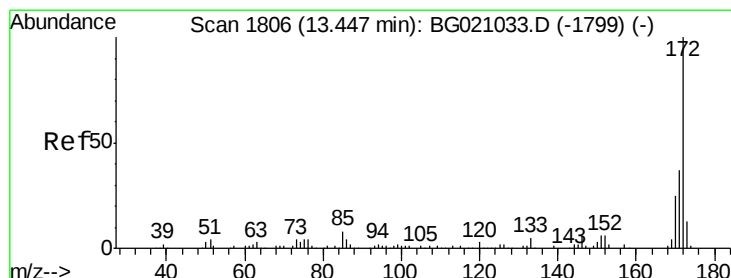
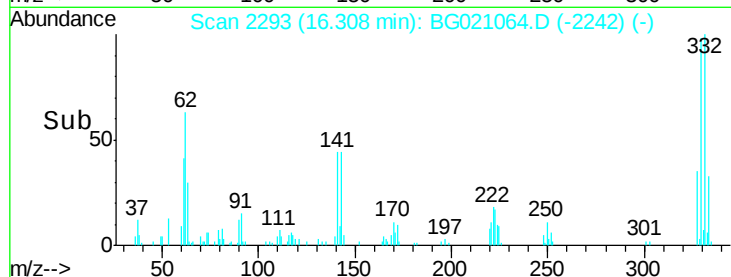
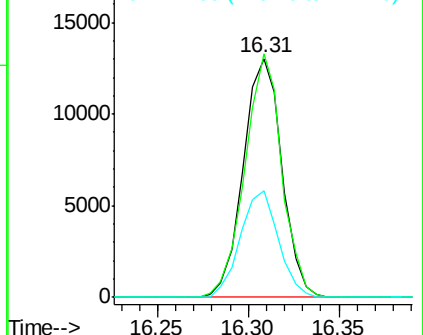
141 43.9 35.3 52.9



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: 80.73 ng

RT: 13.45 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

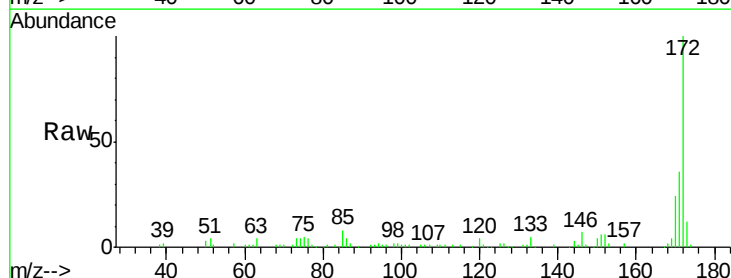
Tgt Ion:172 Resp: 75081

Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

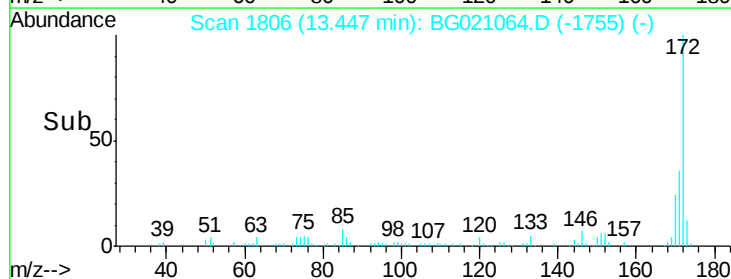
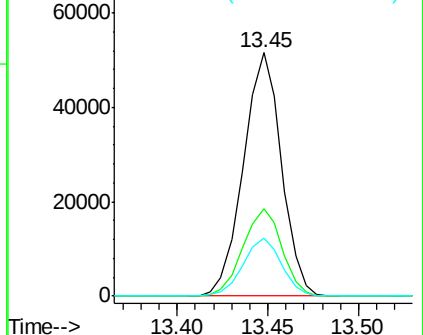
170 24.0 19.8 29.8

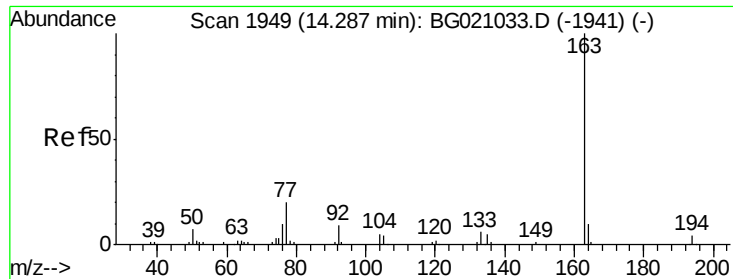


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 14.54 ng

RT: 14.27 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG021064.D

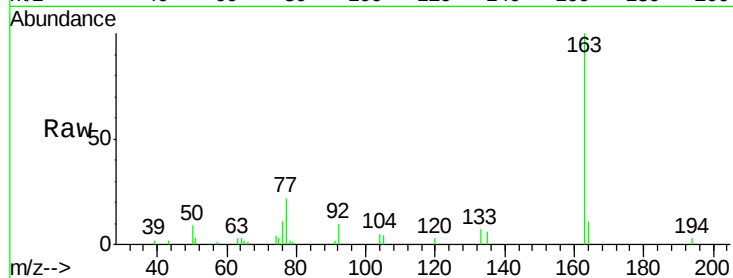
Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampled :

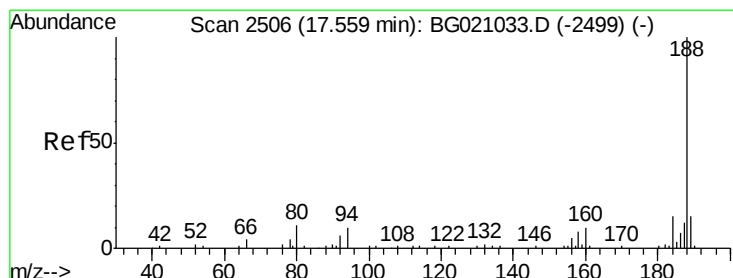
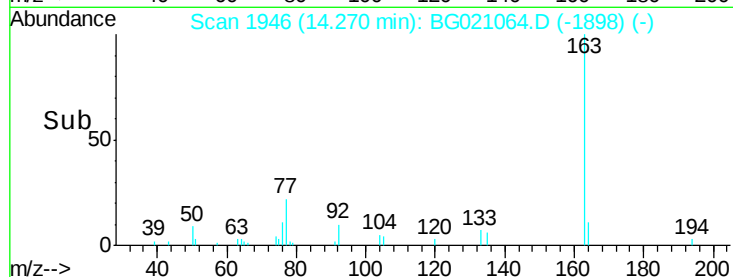
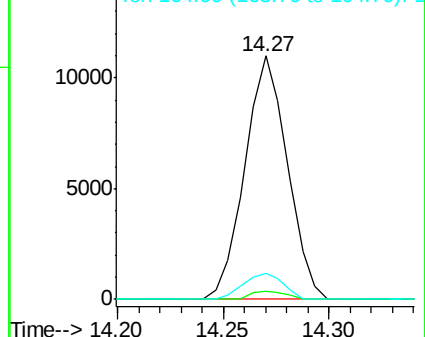
Tot Ion:163	Resp:	15355
Ion Ratio	Lower	Upper
163	100	
194	3.3	2.8 4.2
164	10.9	7.9 11.9



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

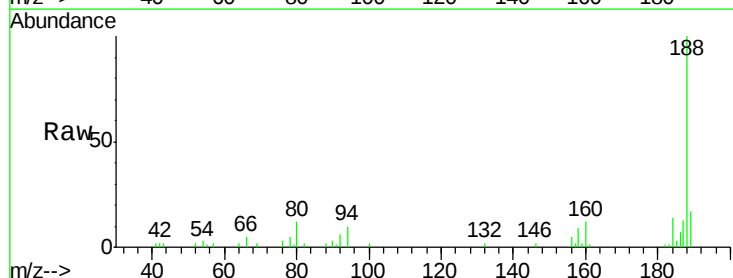
RT: 17.56 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

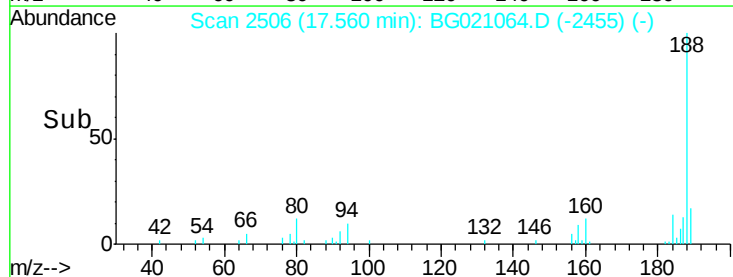
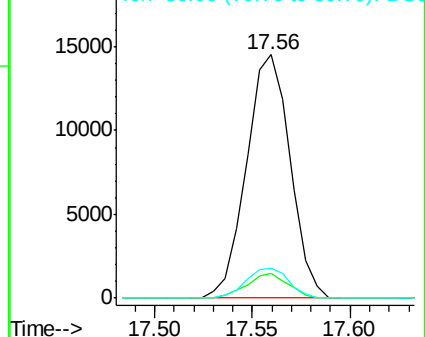
Tgt Ion:188	Resp:	22441
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.2 12.4
80	12.0	9.2 13.8

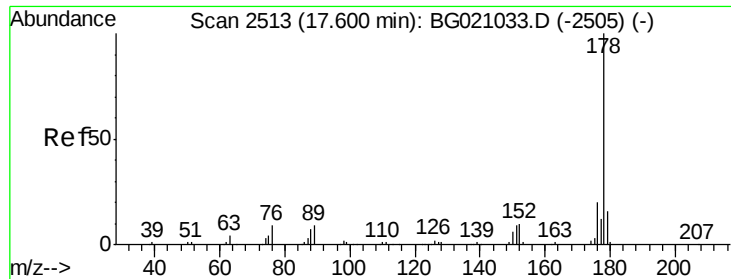


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 7.00 ng

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampleId :

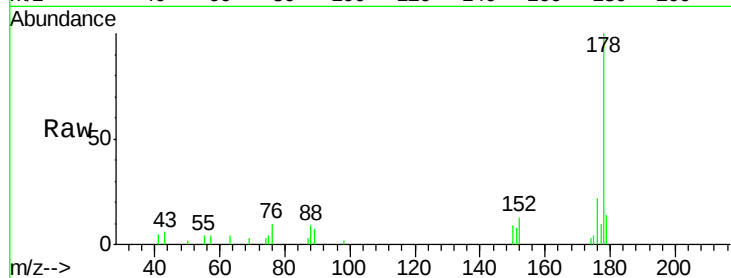
Tot Ion:178 Resp: 8887

Ion Ratio Lower Upper

178 100

176 21.9 16.2 24.4

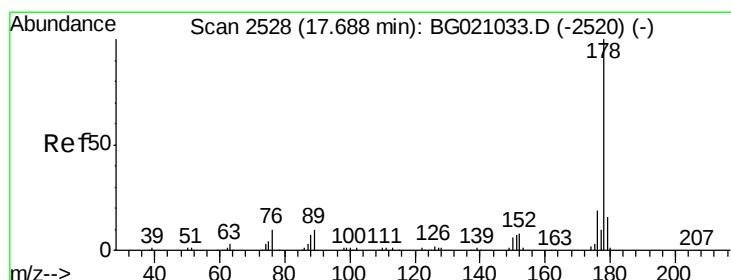
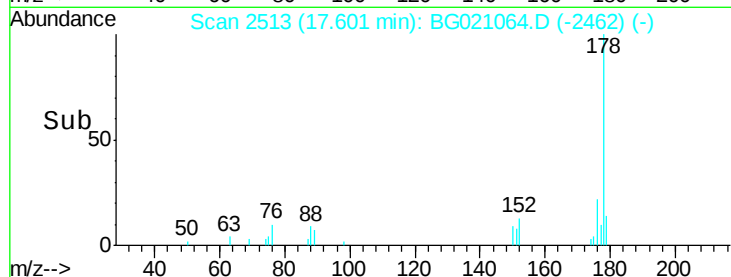
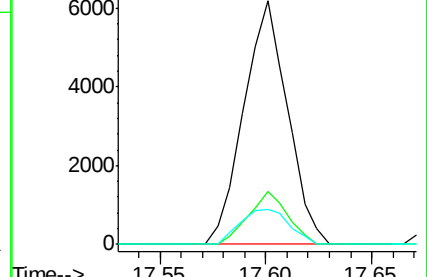
179 14.5 12.9 19.3



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



#71

Anthracene

Concen: 7.03 ng

RT: 17.60 min Scan# 2513

Delta R.T. -0.09 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

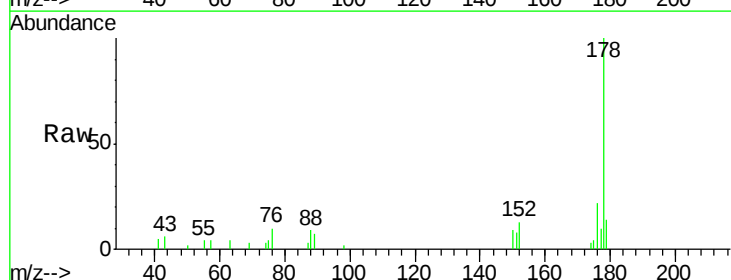
Tgt Ion:178 Resp: 8887

Ion Ratio Lower Upper

178 100

176 21.9 14.8 22.2

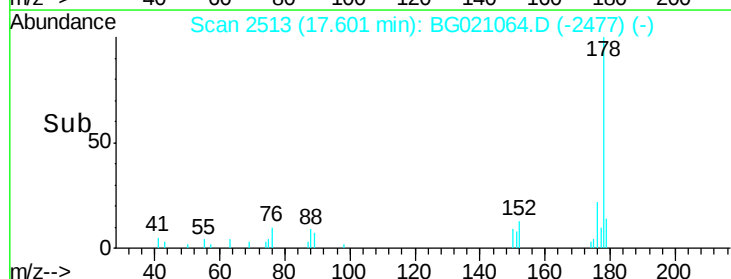
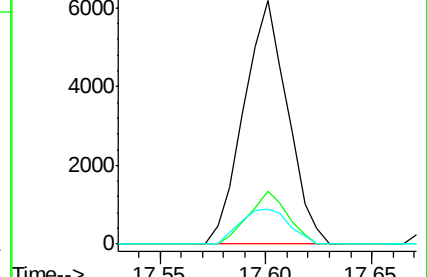
179 14.5 12.6 19.0

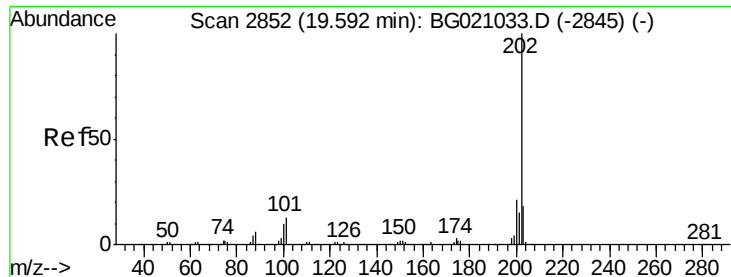


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.34 ng

RT: 19.59 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampleId :

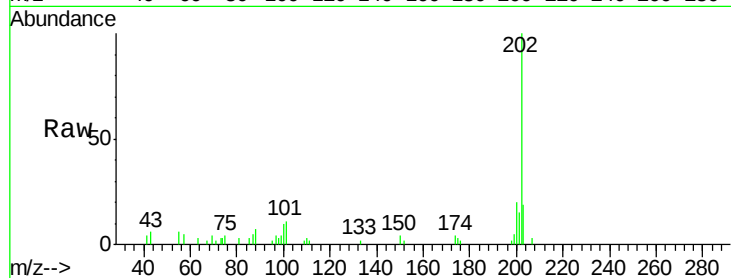
Tot Ion:202 Resp: 10650

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.5

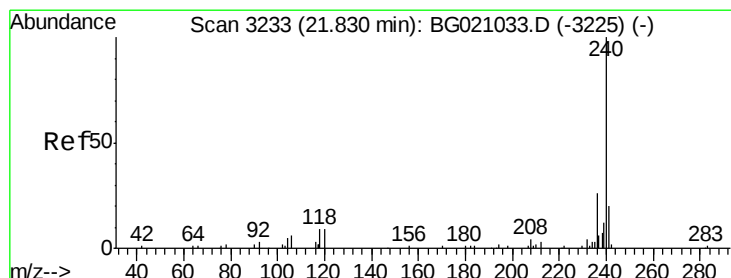
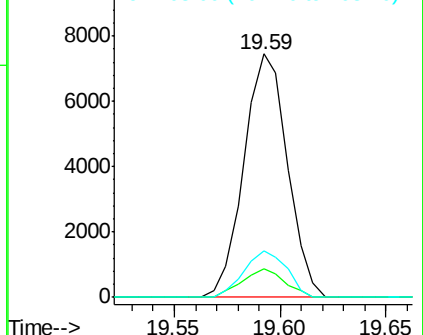
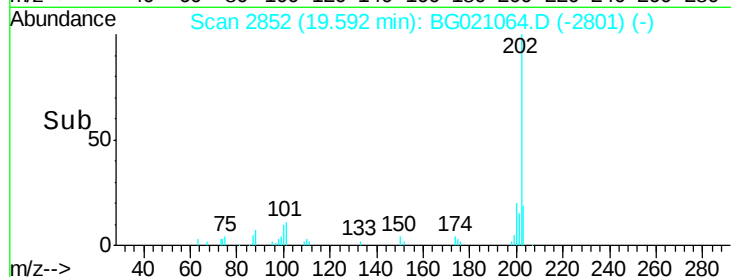
203 18.9 0.0 37.6



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: 21.83 min Scan# 3233

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

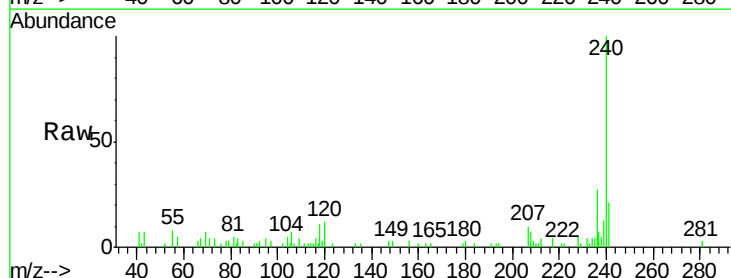
Tgt Ion:240 Resp: 16560

Ion Ratio Lower Upper

240 100

120 12.1 7.5 11.3#

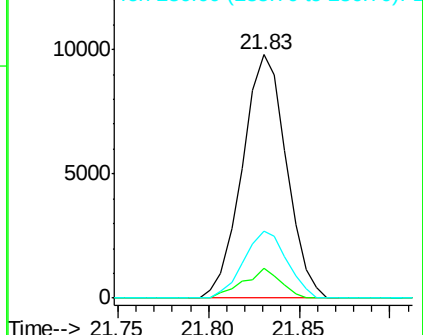
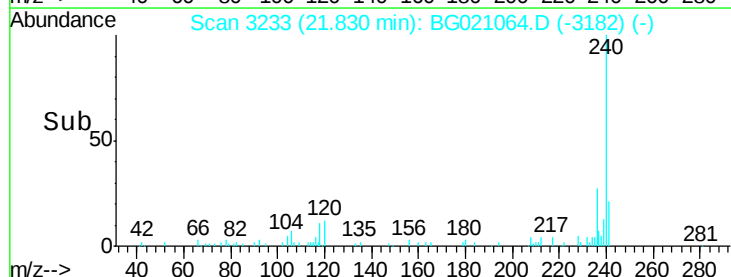
236 27.5 20.5 30.7

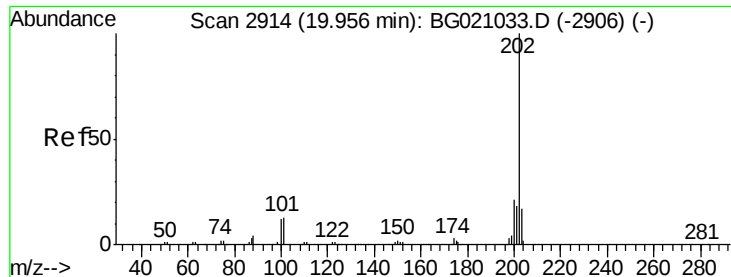


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.67 ng

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampleId :

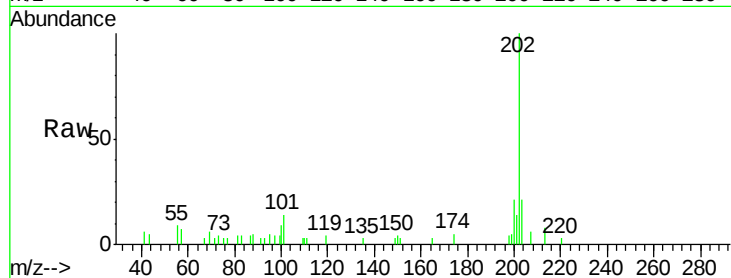
Tot Ion:202 Resp: 8835

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

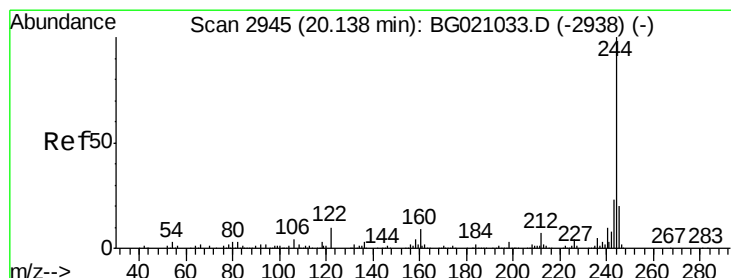
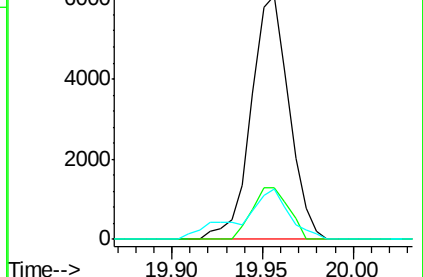
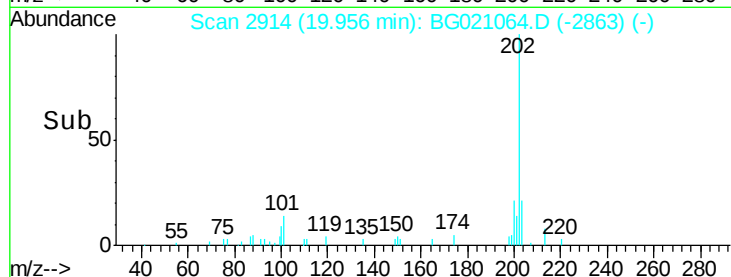
203 20.8 13.8 20.8#



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: 42.01 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

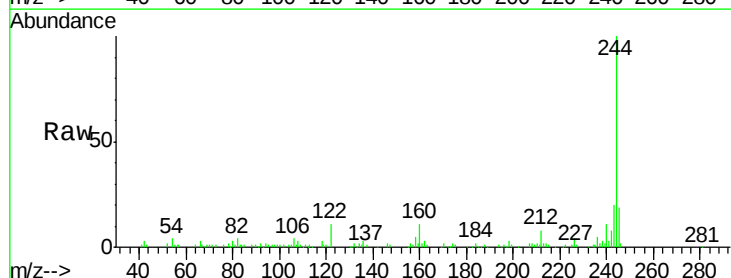
Tgt Ion:244 Resp: 53613

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.6

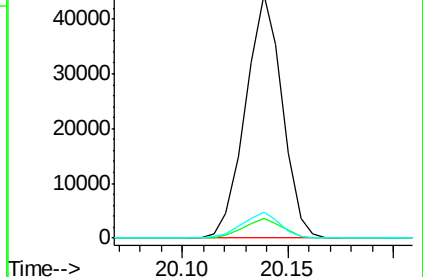
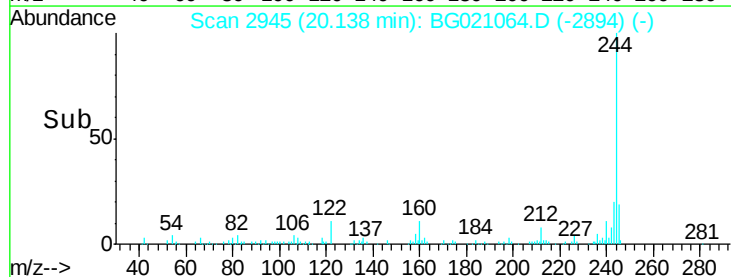
122 10.6 8.3 12.5

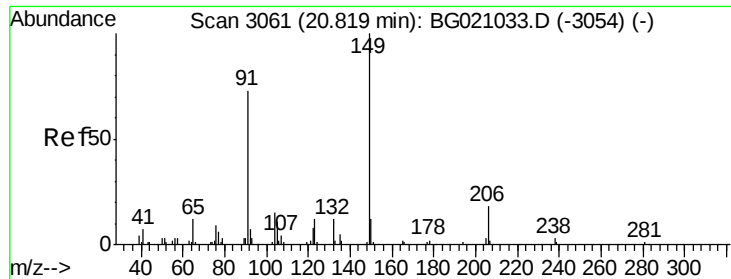


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

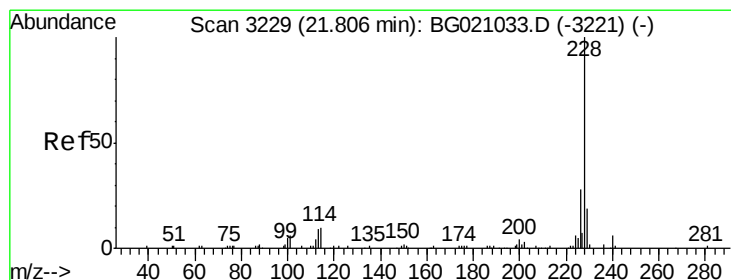
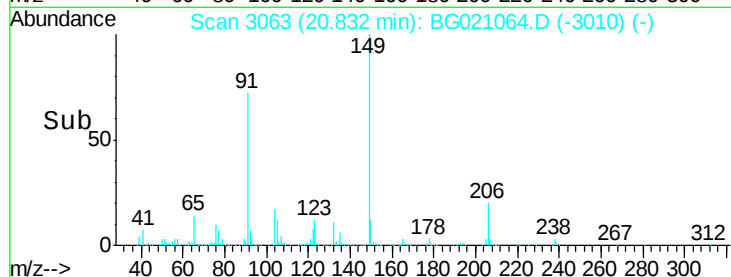
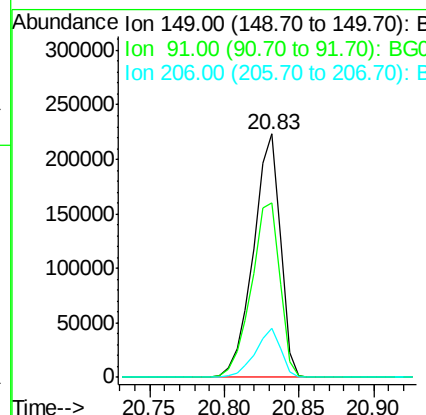
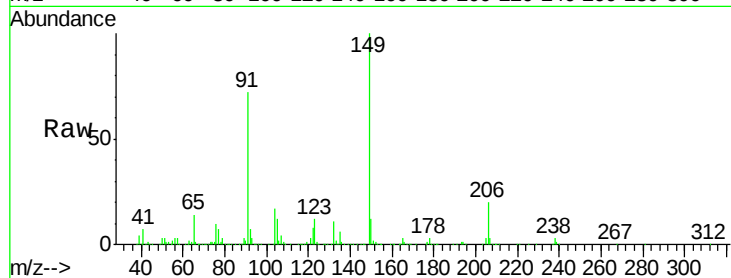




#79
Butylbenzylphthalate
Concen: 416.78 ng
RT: 20.83 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BG021064.D
Acq: 24 Feb 2016 23:11

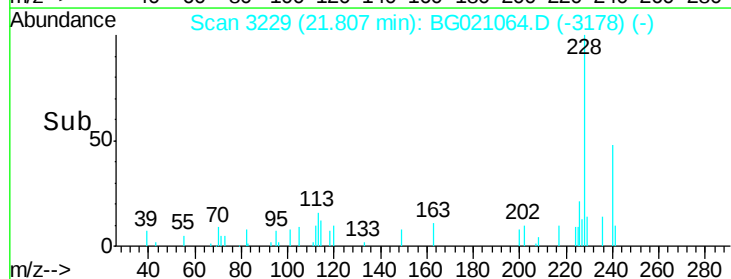
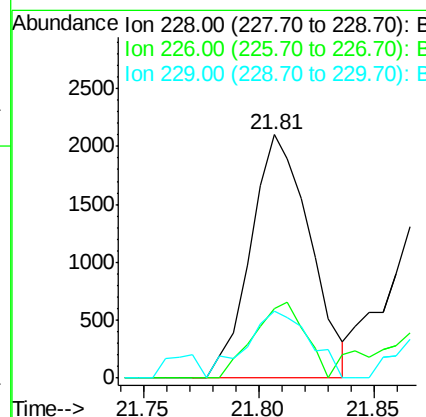
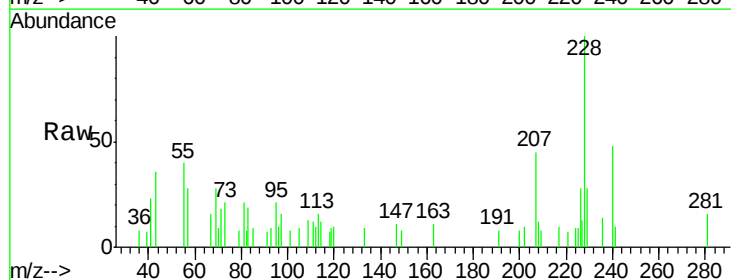
Instrument :
BNA_G
ClientSampleID :

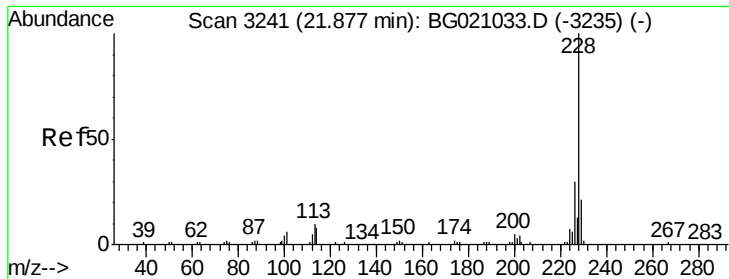
Tot Ion:149 Resp: 278093
Ion Ratio Lower Upper
149 100
91 71.9 58.6 87.8
206 20.1 14.2 21.4



#80
Benzo(a)anthracene
Concen: 3.78 ng
RT: 21.81 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BG021064.D
Acq: 24 Feb 2016 23:11

Tgt Ion:228 Resp: 3749
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 27.6 15.5 23.3#

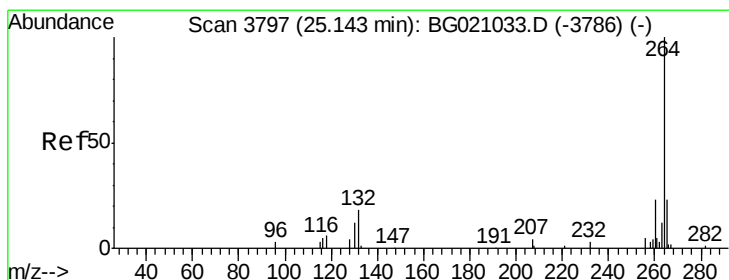
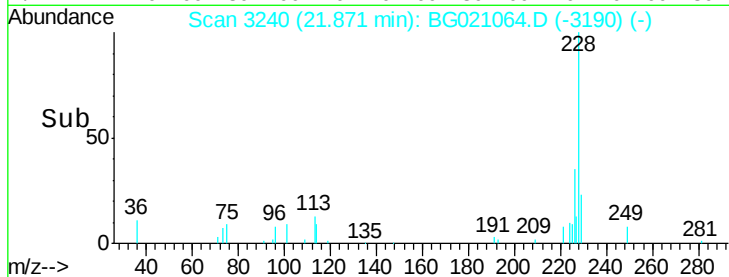
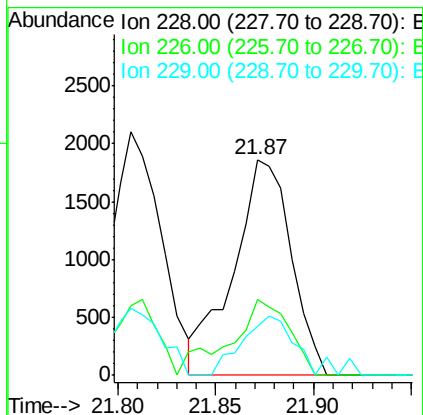
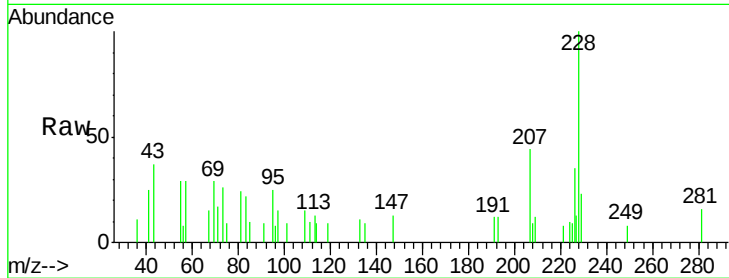




#82
Chrysene
Concen: 4.13 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021064.D
Acq: 24 Feb 2016 23:11

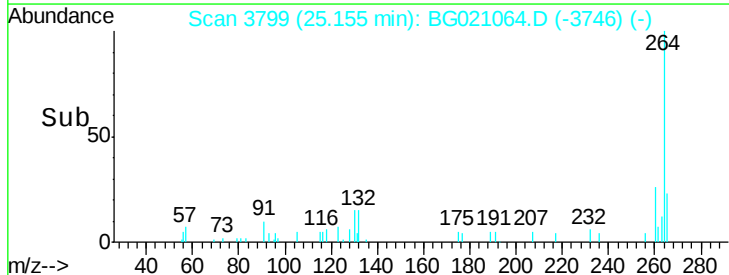
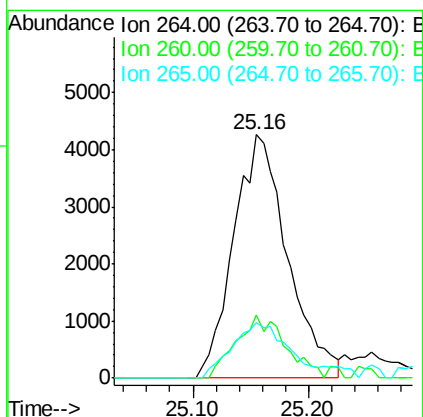
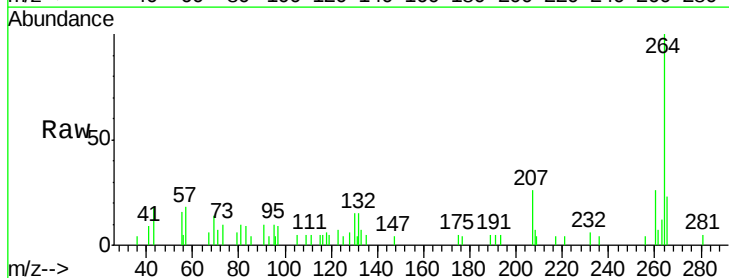
Instrument :
BNA_G
ClientSampleId :

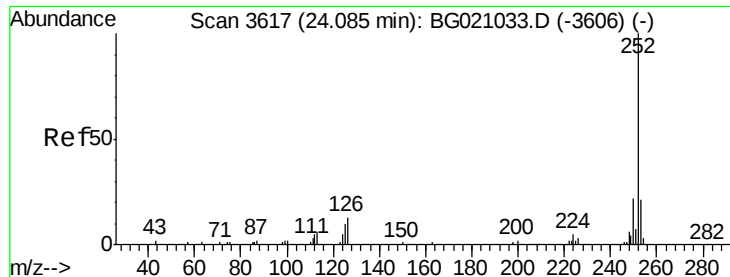
Tot Ion:228 Resp: 3824
Ion Ratio Lower Upper
228 100
226 34.9 23.7 35.5
229 22.6 16.7 25.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BG021064.D
Acq: 24 Feb 2016 23:11

Tgt Ion:264 Resp: 13816
Ion Ratio Lower Upper
264 100
260 25.7 18.5 27.7
265 22.9 18.6 28.0





#87

Benzo(b)fluoranthene

Concen: 4.63 ng

RT: 24.10 min Scan# 3619

Delta R.T. 0.01 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampleId :

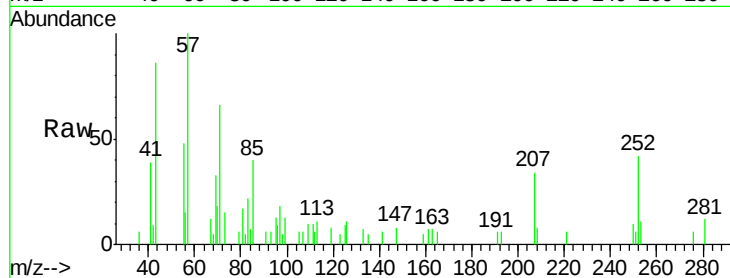
Tot Ion:252 Resp: 4219

Ion Ratio Lower Upper

252 100

253 26.4 16.8 25.2#

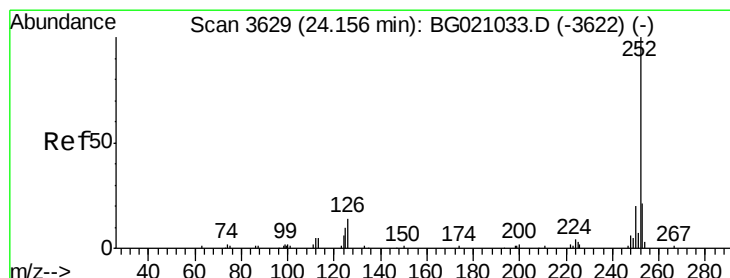
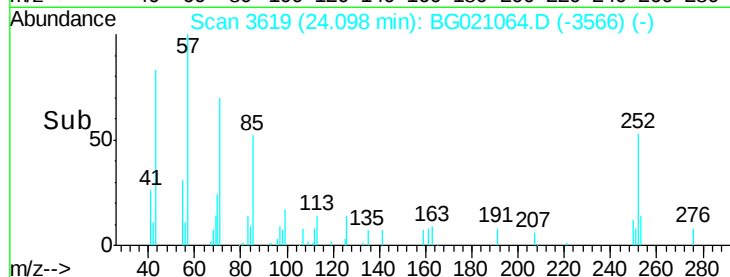
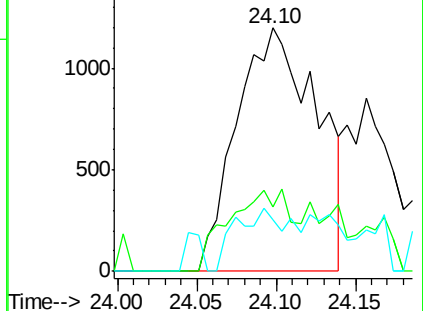
125 21.3 8.2 12.2#



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: 4.91 ng

RT: 24.10 min Scan# 3619

Delta R.T. -0.06 min

Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

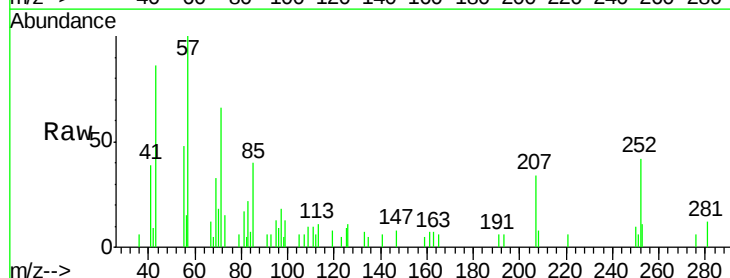
Tgt Ion:252 Resp: 4219

Ion Ratio Lower Upper

252 100

253 26.4 16.4 24.6#

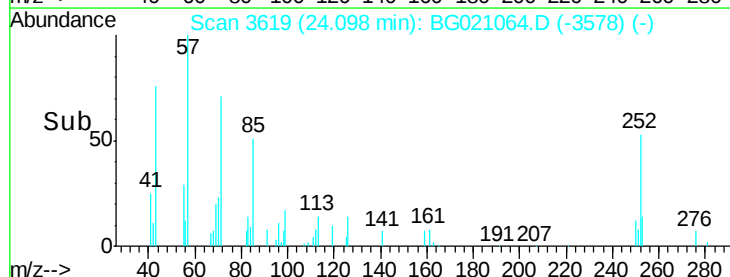
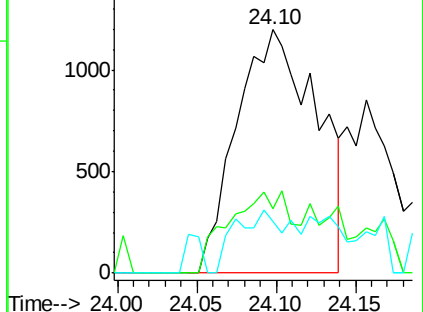
125 21.3 8.2 12.2#

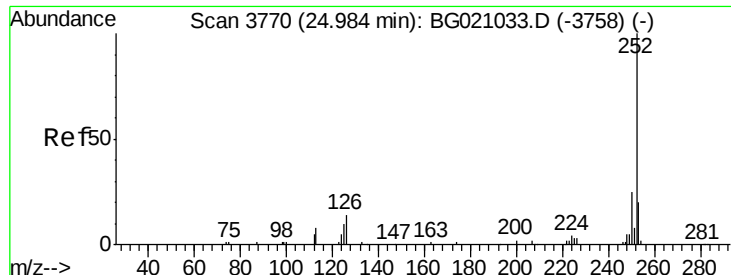


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.72 ng

RT: 25.00 min Scan# 3772

Delta R.T. 0.01 min

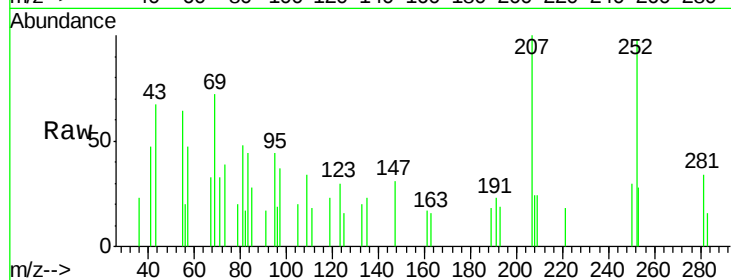
Lab File: BG021064.D

Acq: 24 Feb 2016 23:11

Instrument :

BNA_G

ClientSampleId :



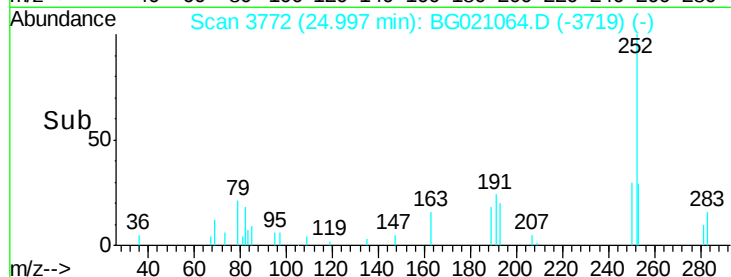
Tot Ion: 252 Resp: 3035

Ion Ratio Lower Upper

252 100

253 28.5 15.8 23.8#

125 16.0 8.4 12.6#



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

