

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022716\
 Data File : BG021142.D
 Acq On : 28 Feb 2016 8:45
 Operator : UM/SJ
 Sample : H1526-05
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-04

Quant Time: Feb 29 00:34:22 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 26 16:39:44 2016
 Response via : Initial Calibration

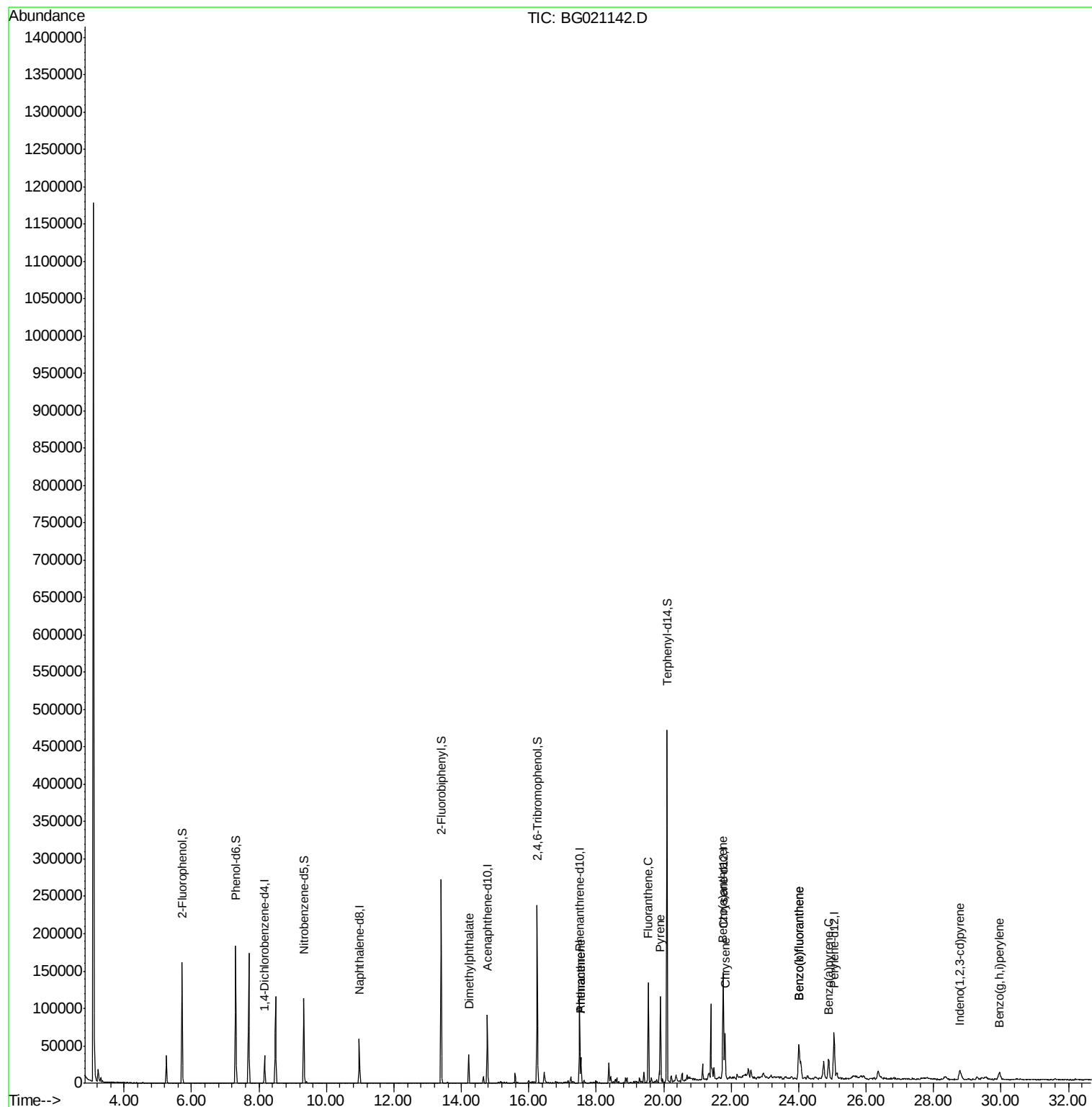
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9602	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	47090	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	28769	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	66820	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	68086	20.00	ng	-0.02
86) Perylene-d12	25.05	264	62721	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	62422	113.81	ng	0.00
7) Phenol-d6	7.31	99	100603	123.27	ng	-0.02
23) Nitrobenzene-d5	9.33	82	72394	73.25	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	31205	82.73	ng	-0.01
44) 2-Fluorobiphenyl	13.40	172	127305	56.63	ng	-0.01
78) Terphenyl-d14	20.09	244	181923	62.44	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	14.22	163	23030	9.29	ng	# 98
70) Phenanthrene	17.55	178	19834	5.52	ng	96
71) Anthracene	17.55	178	19834	5.48	ng	98
74) Fluoranthene	19.54	202	73868	16.38	ng	99
77) Pyrene	19.90	202	67802	17.98	ng	98
80) Benzo(a)anthracene	21.75	228	40771	10.41	ng	99
82) Chrysene	21.81	228	37461	9.93	ng	97
85) Indeno(1,2,3-cd)pyrene	28.77	276	22270	4.90	ng	# 100
87) Benzo(b)fluoranthene	24.01	252	51220	13.06	ng	97
88) Benzo(k)fluoranthene	24.01	252	51220	13.25	ng	96
89) Benzo(a)pyrene	24.89	252	27954	7.43	ng	# 92
91) Benzo(g,h,i)perylene	29.95	276	19278	5.28	ng	# 89

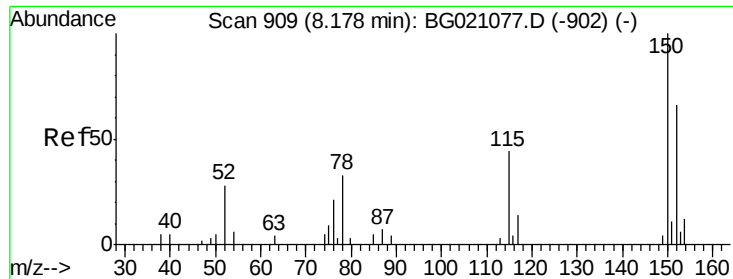
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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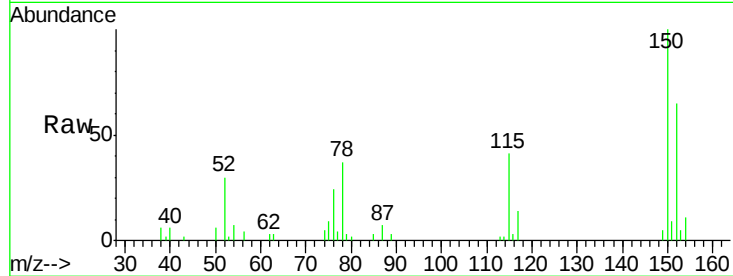


#1

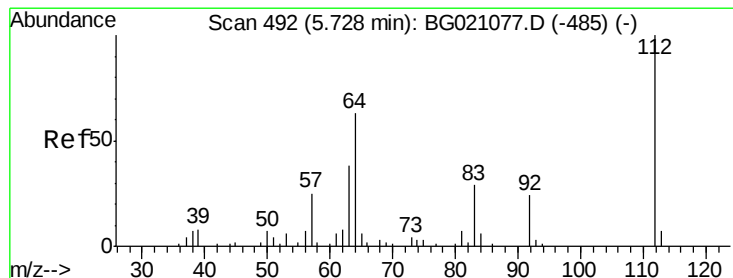
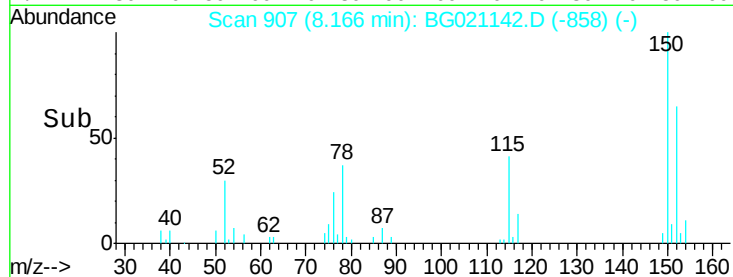
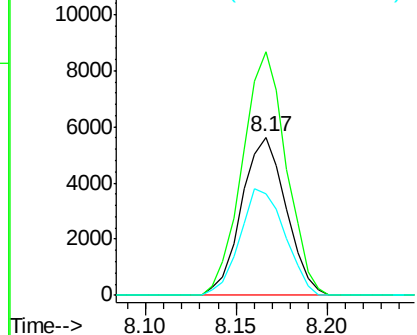
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 907
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Instrument :
BNA_G
ClientSampleId :
P-04

Tgt Ion:152 Resp: 9602
Ion Ratio Lower Upper
152 100
150 154.2 123.4 185.2
115 64.0 43.3 64.9



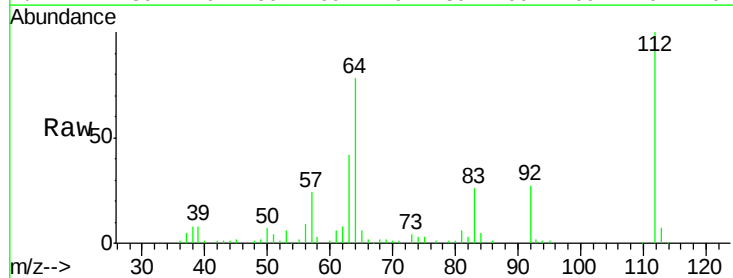
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



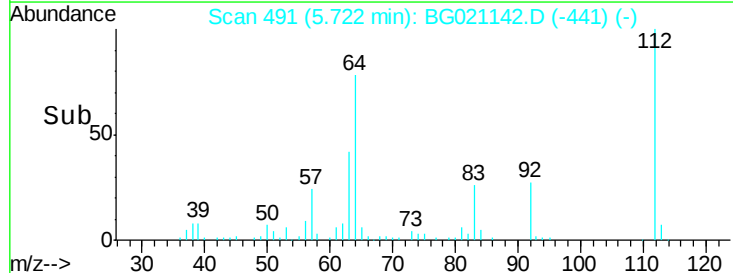
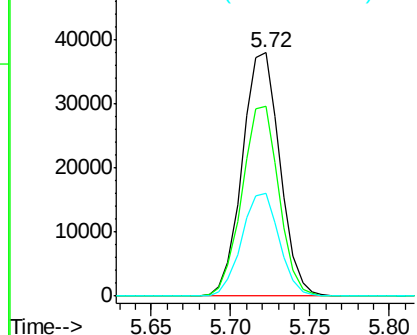
#5

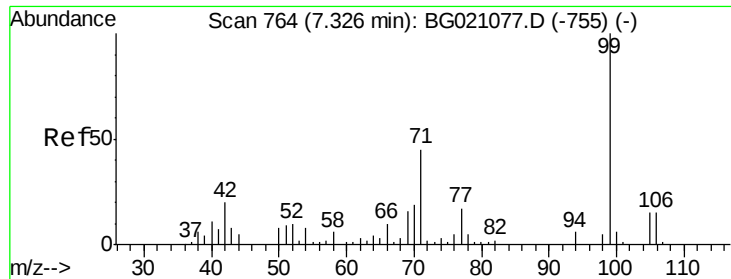
2-Fluorophenol
Concen: 113.81 ng
RT: 5.72 min Scan# 491
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Tgt Ion:112 Resp: 62422
Ion Ratio Lower Upper
112 100
64 77.9 42.6 63.8#
63 42.2 21.7 32.5#



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: 123.27 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

ClientSampleId :

P-04

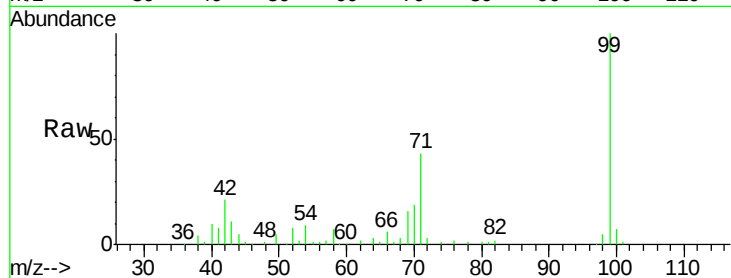
Tgt Ion: 99 Resp: 100603

Ion Ratio Lower Upper

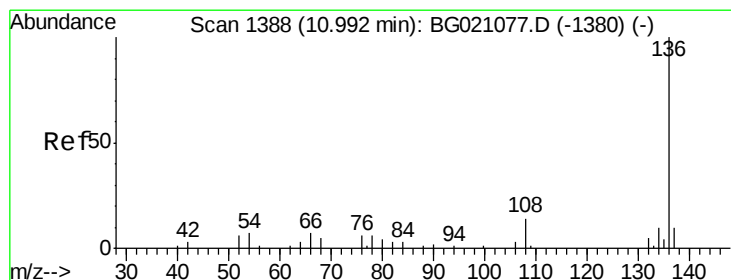
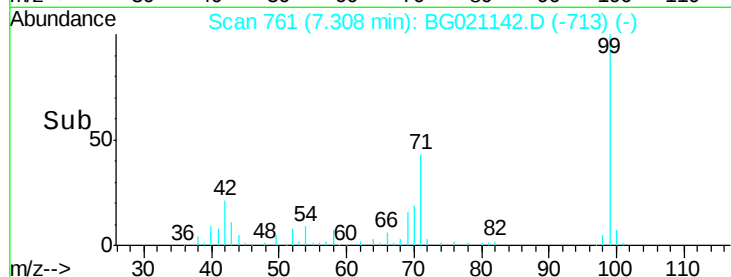
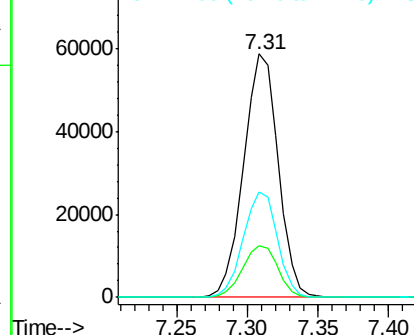
99 100

42 21.1 13.2 19.8#

71 43.4 25.2 37.8#



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: 10.97 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion: 136 Resp: 47090

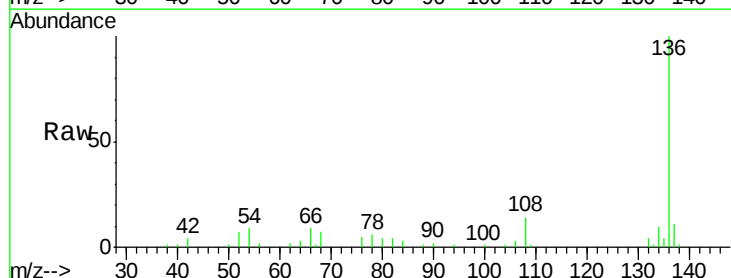
Ion Ratio Lower Upper

136 100

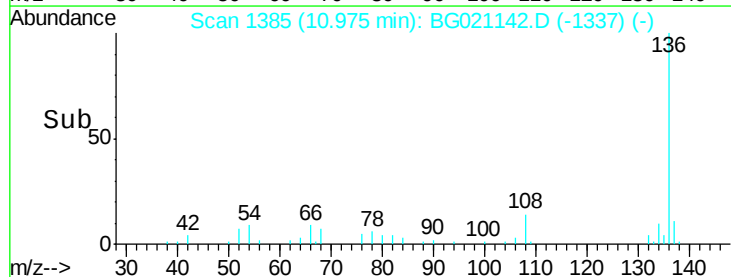
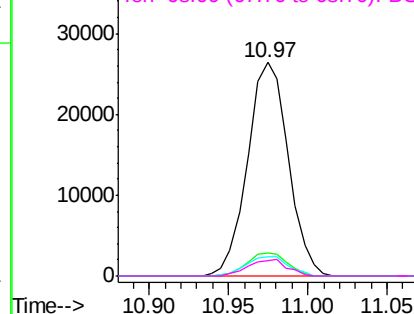
137 10.9 8.8 13.2

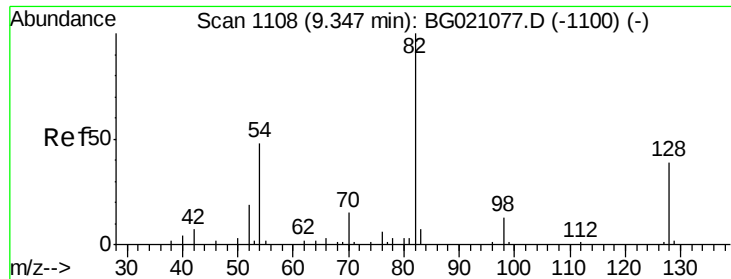
54 9.0 6.9 10.3

68 7.1 5.8 8.6



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

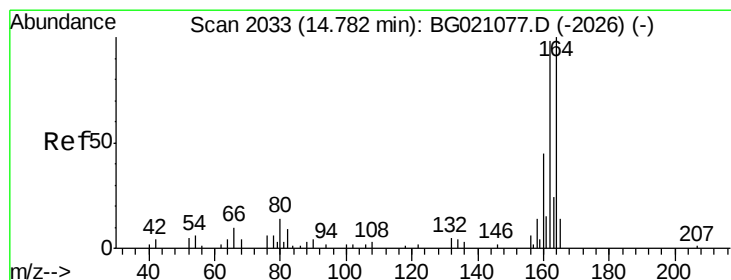
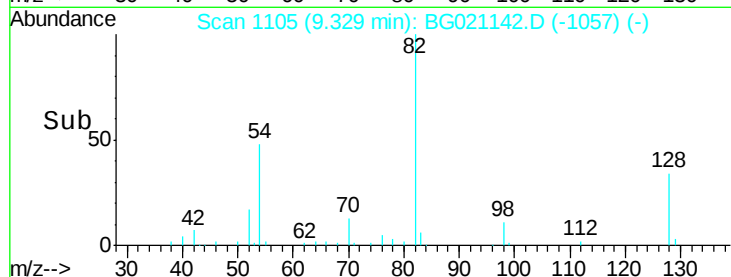
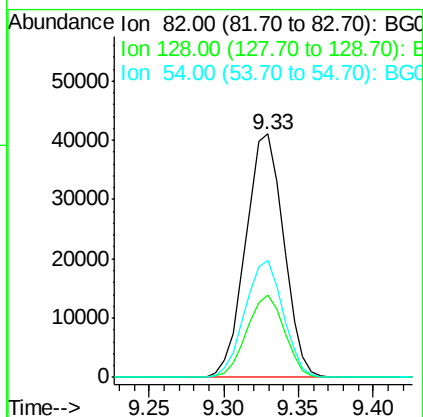
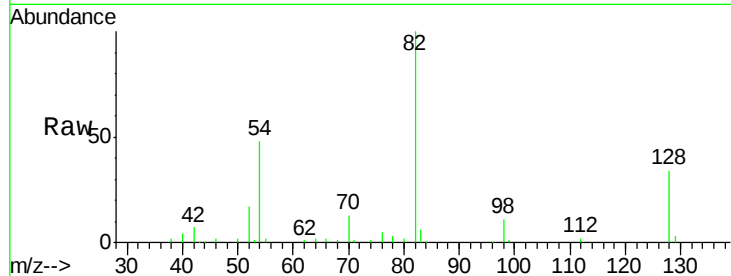




#23
Nitrobenzene-d5
Concen: 73.25 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

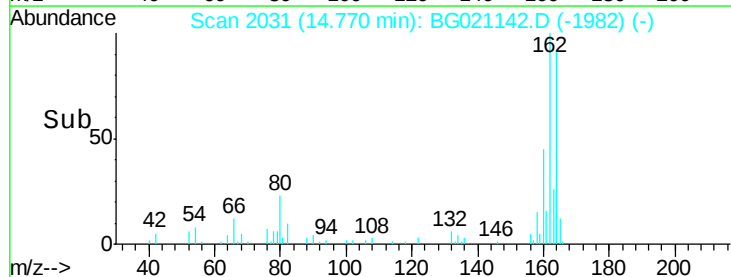
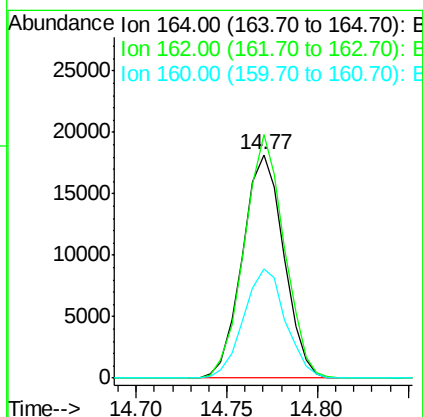
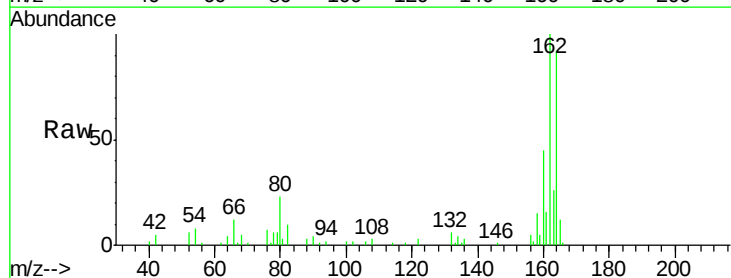
Instrument :
BNA_G
ClientSampled :
P-04

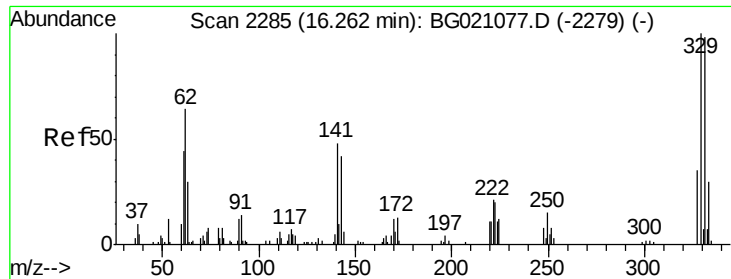
Tgt Ion: 82 Resp: 72394
Ion Ratio Lower Upper
82 100
128 34.0 36.3 54.5#
54 48.1 37.6 56.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG021142.D
Acq: 28 Feb 2016 8:45

Tgt Ion: 164 Resp: 28769
Ion Ratio Lower Upper
164 100
162 109.1 80.6 120.8
160 49.1 36.5 54.7

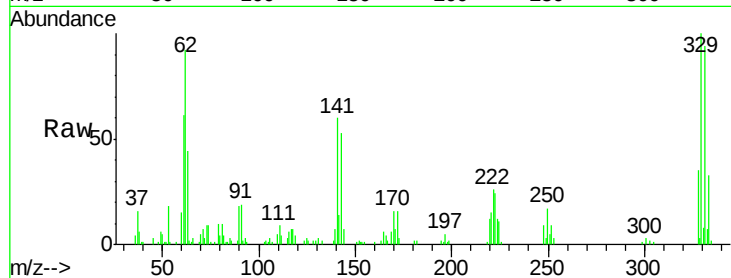




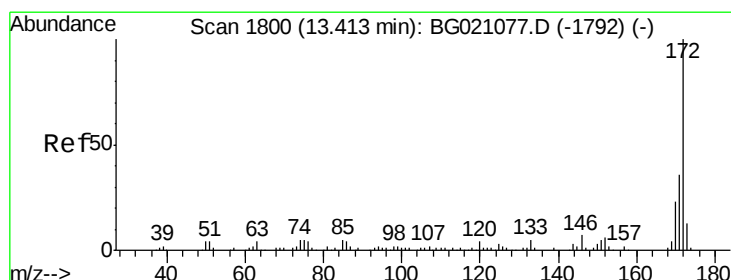
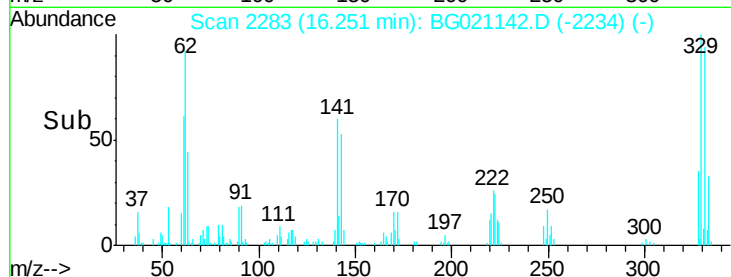
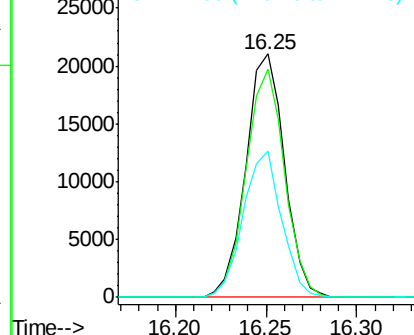
#41
 2,4,6-Tribromophenol
 Concen: 82.73 ng
 RT: 16.25 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Instrument :
 BNA_G
 ClientSampleId :
 P-04

Tgt Ion: 330 Resp: 31205
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.4 116.0
 141 59.6 35.3 52.9#

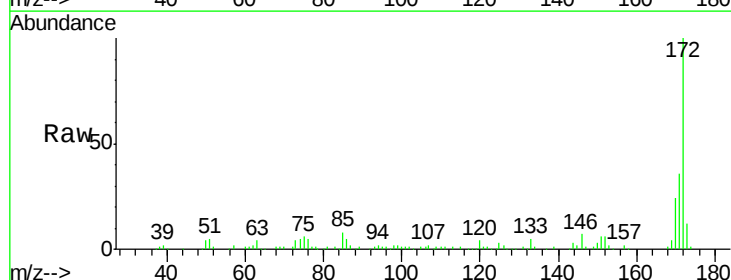


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

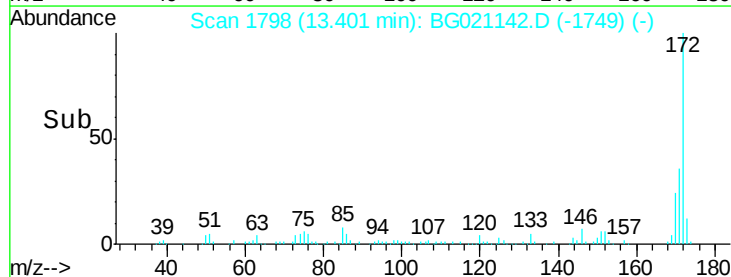
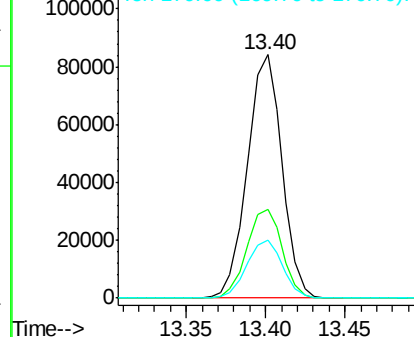


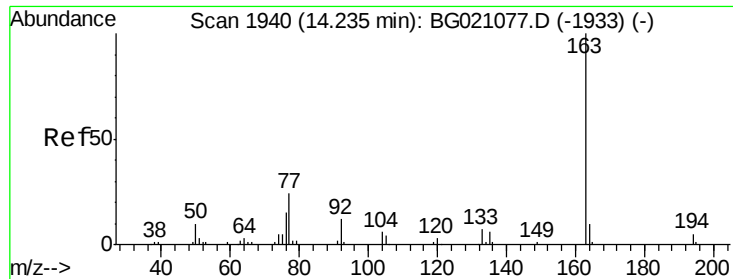
#44
 2-Fluorobiphenyl
 Concen: 56.63 ng
 RT: 13.40 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Tgt Ion: 172 Resp: 127305
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 23.6 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: 9.29 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

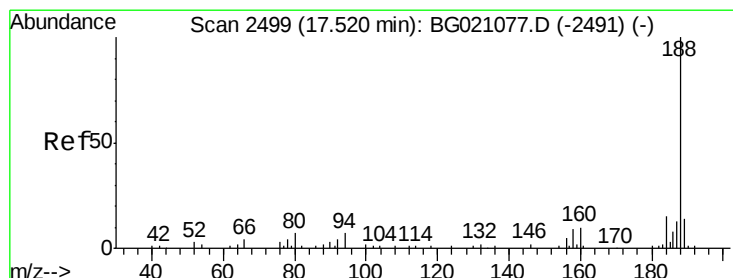
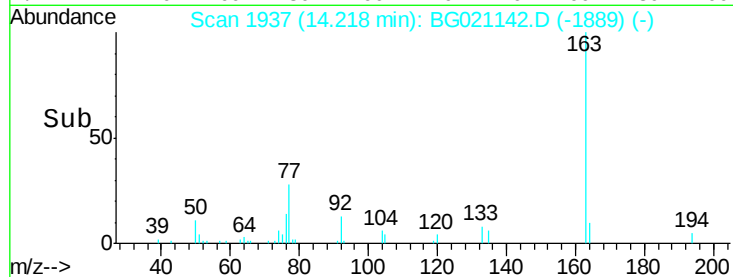
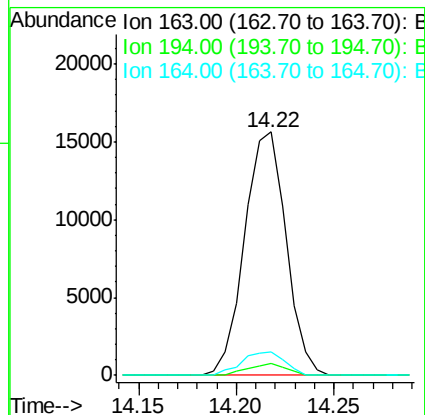
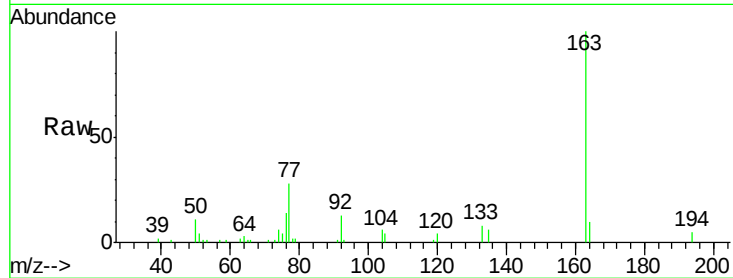
BNA_G

ClientSampleId :

P-04

Tgt Ion:163 Resp: 23030

Ion	Ratio	Lower	Upper
163	100		
194	5.2	2.8	4.2#
164	9.8	7.9	11.9



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.51 min Scan# 2497

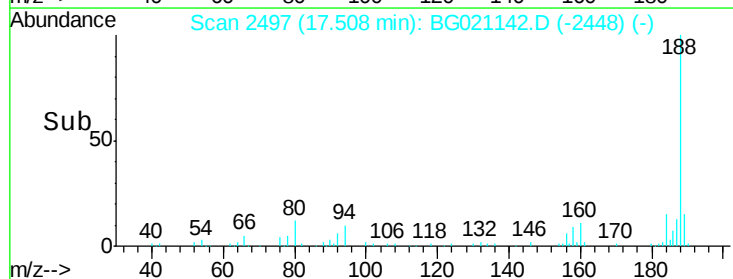
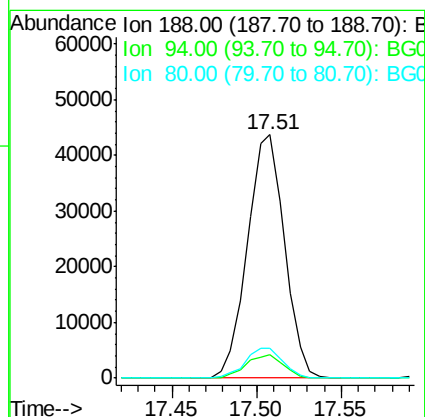
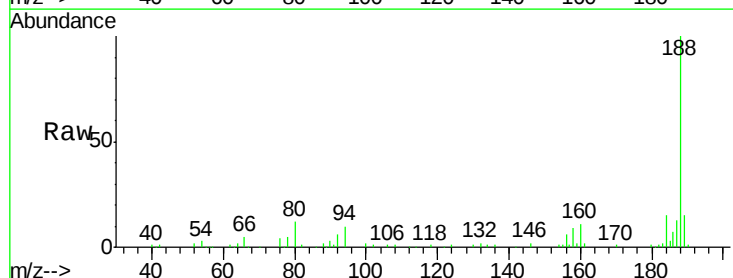
Delta R.T. -0.01 min

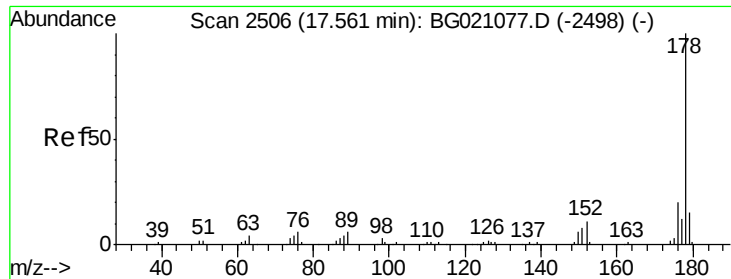
Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:188 Resp: 66820

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.4
80	12.5	9.2	13.8





#70

Phenanthrene

Concen: 5.52 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

ClientSampleId :

P-04

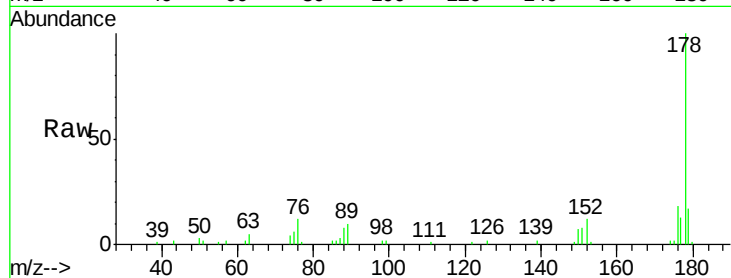
Tgt Ion:178 Resp: 19834

Ion Ratio Lower Upper

178 100

176 18.0 16.2 24.4

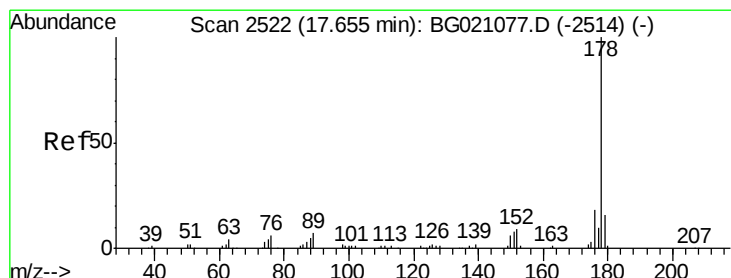
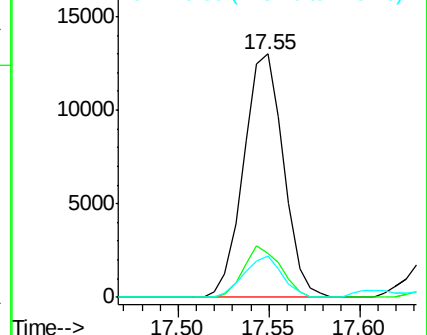
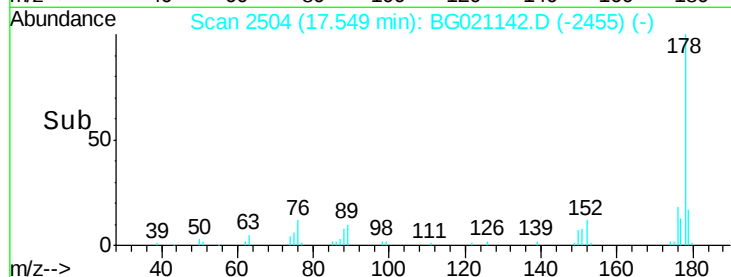
179 17.1 12.9 19.3



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: 5.48 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.11 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

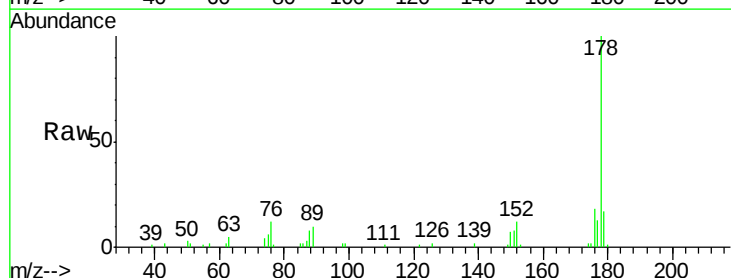
Tgt Ion:178 Resp: 19834

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

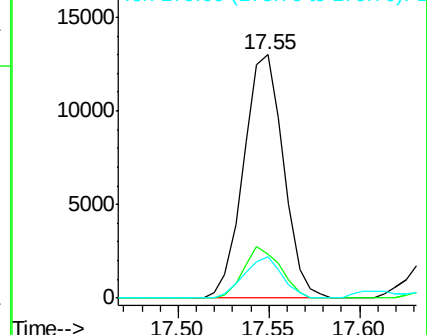
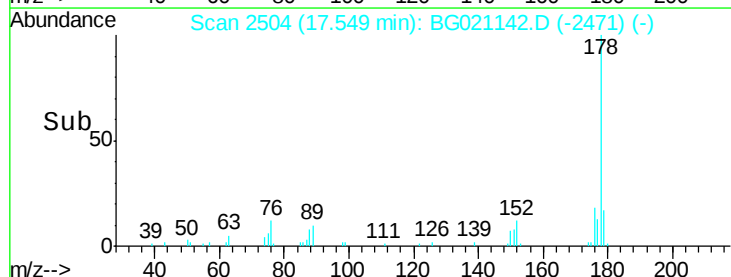
179 17.1 12.6 19.0

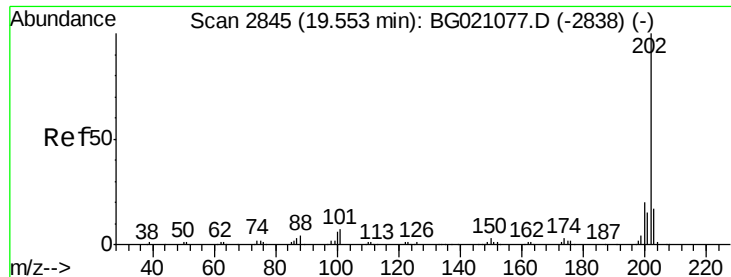


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 16.38 ng

RT: 19.54 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

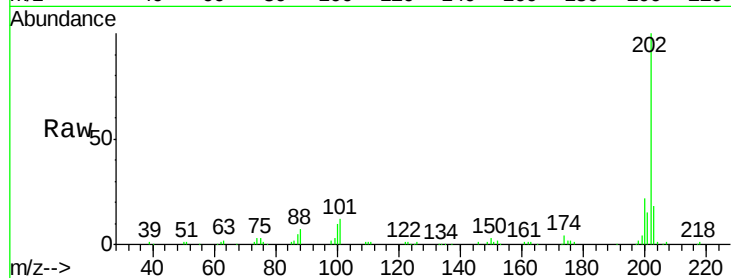
Instrument :

BNA_G

ClientSampleId :

P-04

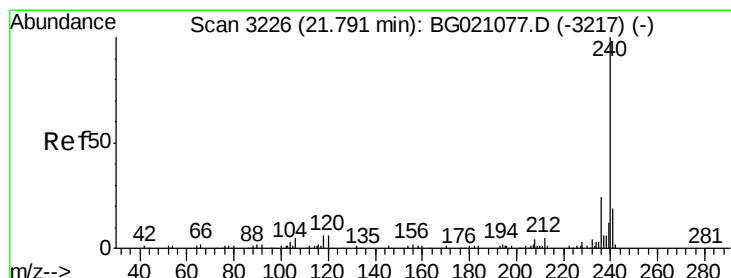
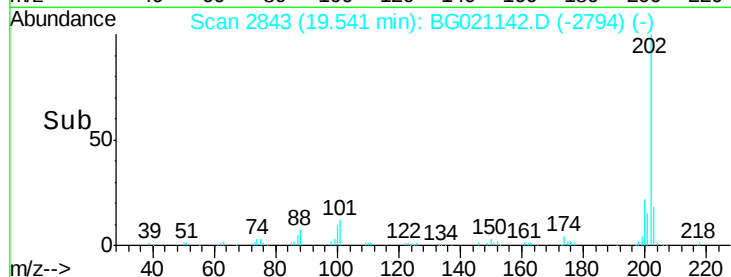
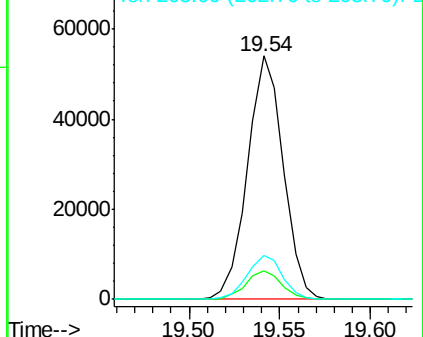
Tgt Ion:	202	Resp:	73868
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	32.5
203	17.9	0.0	37.6



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

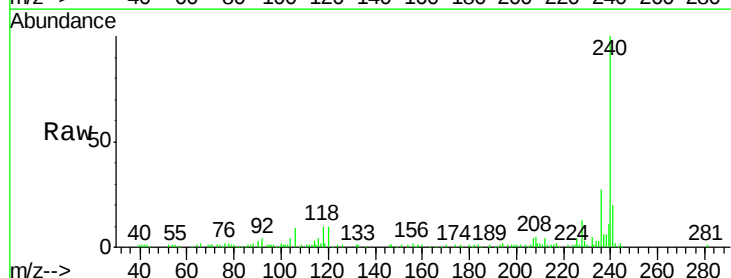
RT: 21.77 min Scan# 3222

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

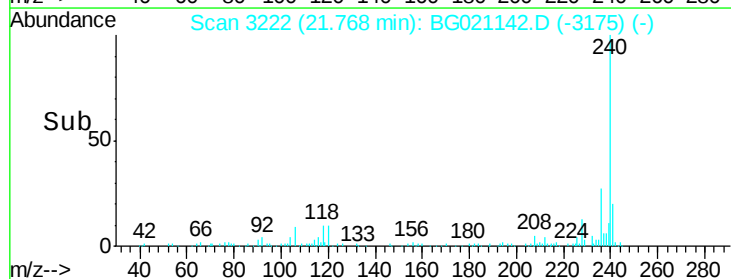
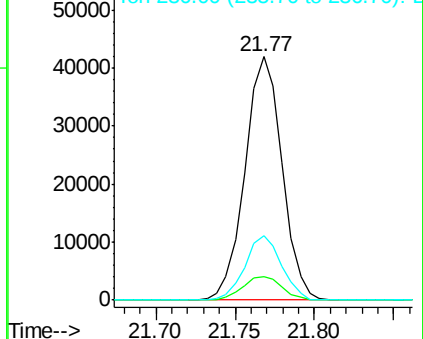
Tgt Ion:	240	Resp:	68086
Ion Ratio	Lower	Upper	
240	100		
120	9.9	7.5	11.3
236	26.7	20.5	30.7

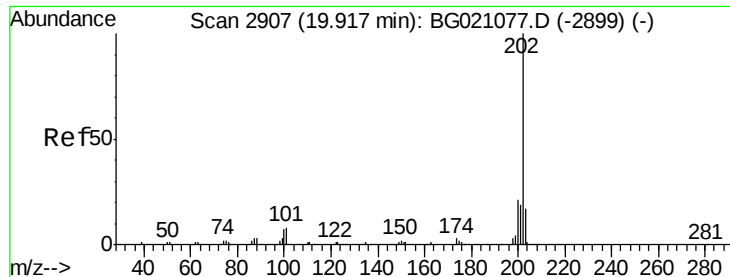


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 17.98 ng

RT: 19.90 min Scan# 2904

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

ClientSampleId :

P-04

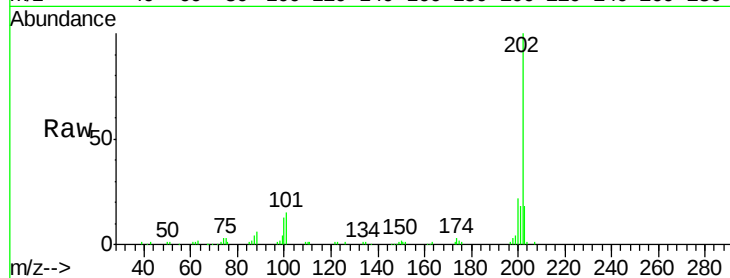
Tgt Ion:202 Resp: 67802

Ion Ratio Lower Upper

202 100

200 21.7 16.6 25.0

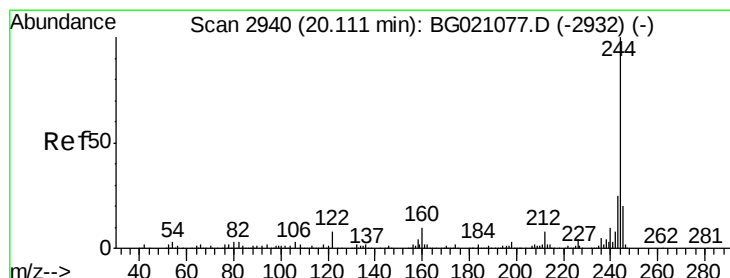
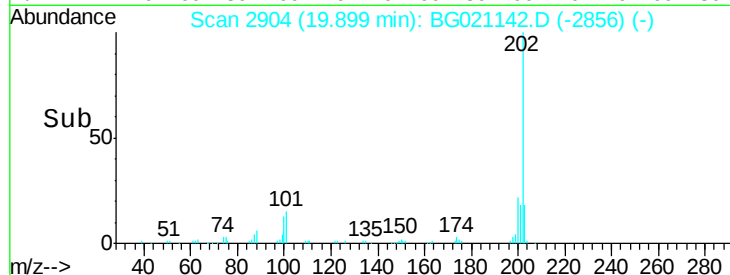
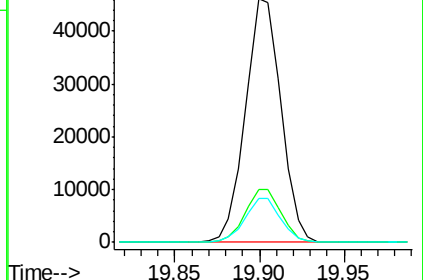
203 17.9 13.8 20.8



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: 62.44 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

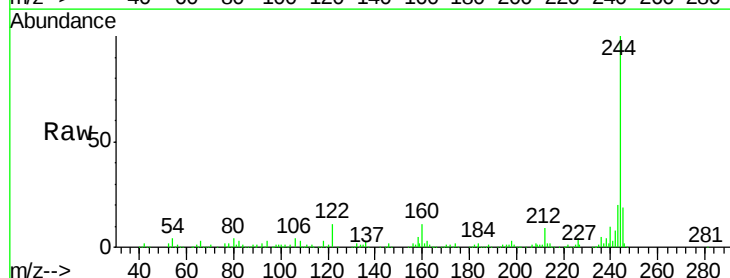
Tgt Ion:244 Resp: 181923

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.6#

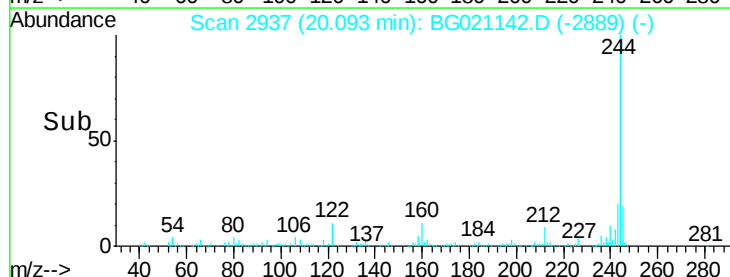
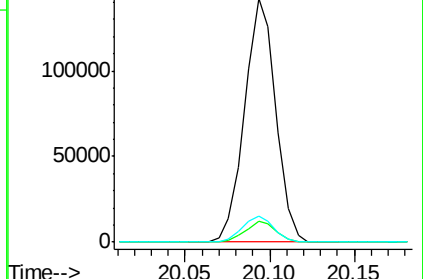
122 10.8 8.3 12.5

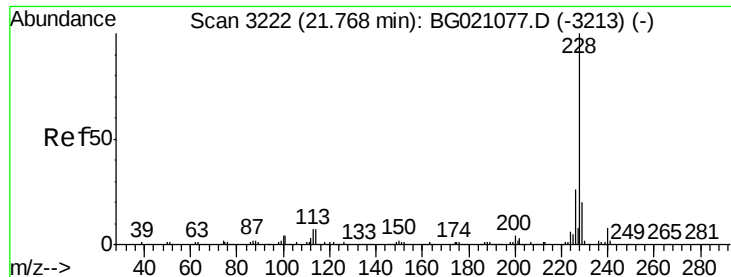


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.41 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Instrument :

BNA_G

ClientSampleId :

P-04

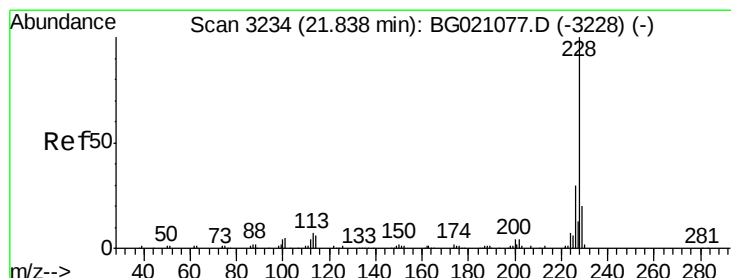
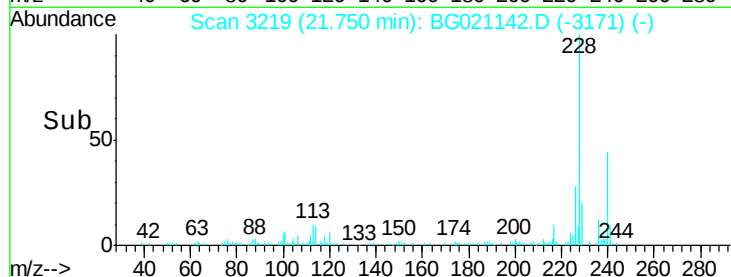
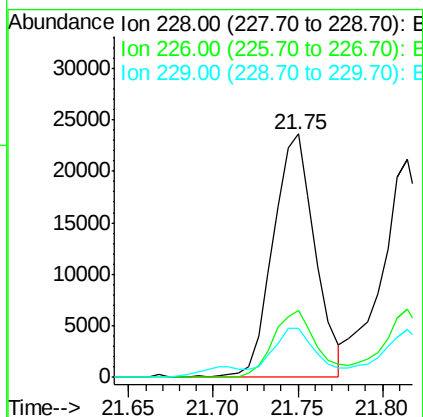
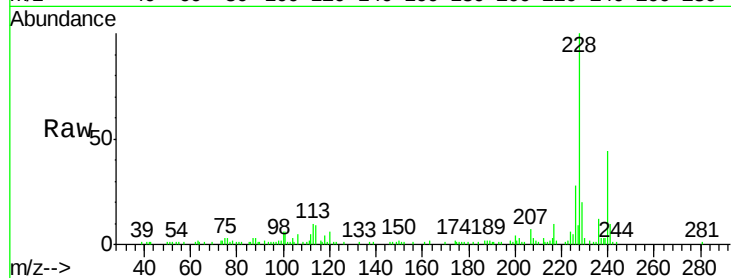
Tgt Ion:228 Resp: 40771

Ion Ratio Lower Upper

228 100

226 27.7 22.7 34.1

229 20.0 15.5 23.3



#82

Chrysene

Concen: 9.93 ng

RT: 21.81 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

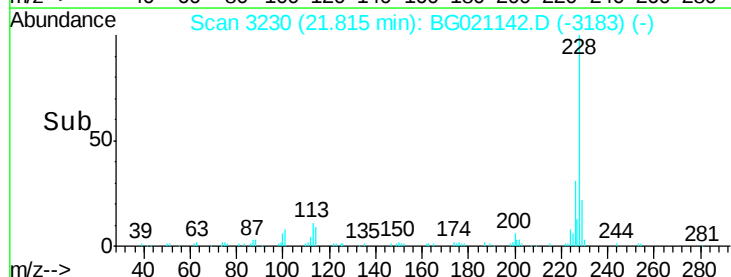
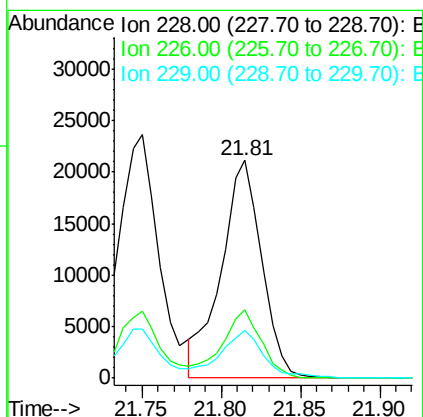
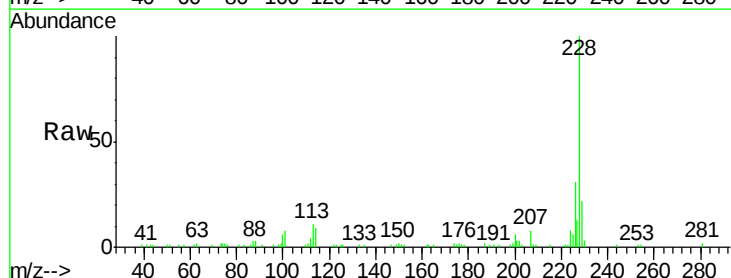
Tgt Ion:228 Resp: 37461

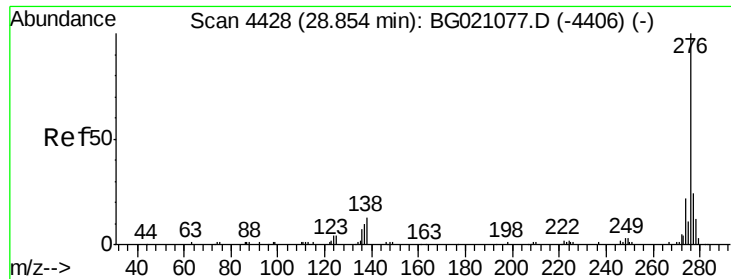
Ion Ratio Lower Upper

228 100

226 31.4 23.7 35.5

229 21.8 16.7 25.1

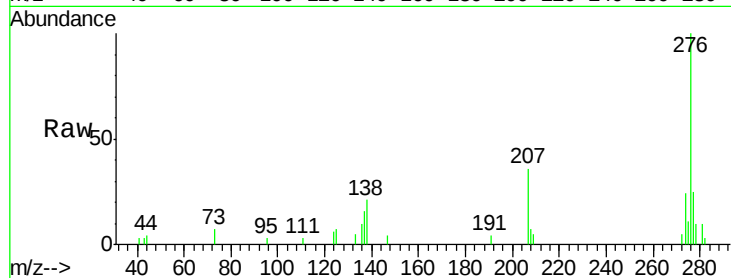




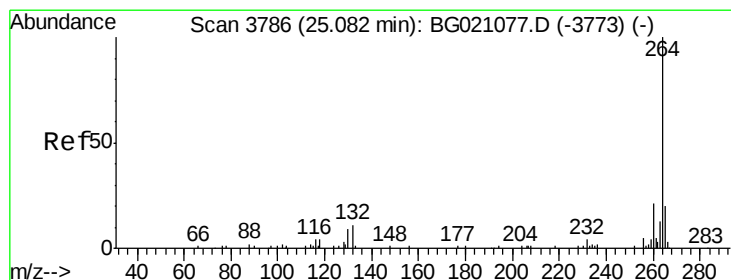
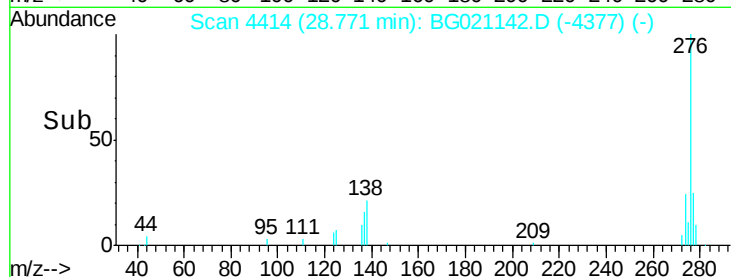
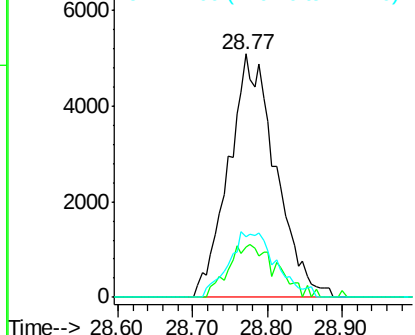
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.90 ng
 RT: 28.77 min Scan# 4414
 Delta R.T. -0.08 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Instrument :
 BNA_G
 ClientSampleId :
 P-04

Tgt Ion: 276 Resp: 22270
 Ion Ratio Lower Upper
 276 100
 138 21.7 0.0 0.0#
 277 27.0 0.0 0.0#

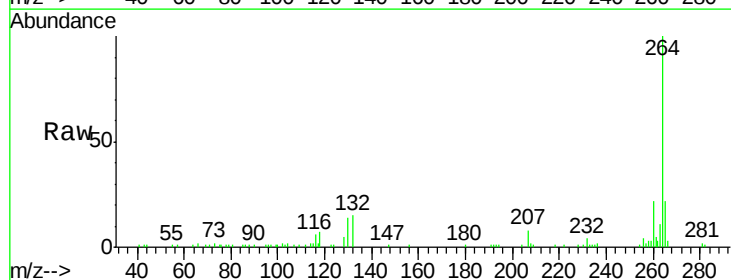


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

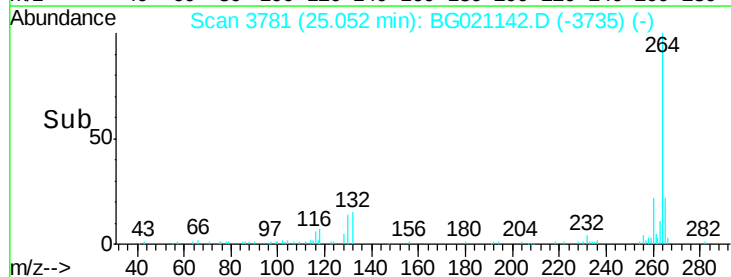
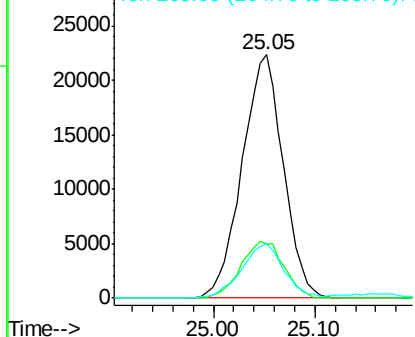


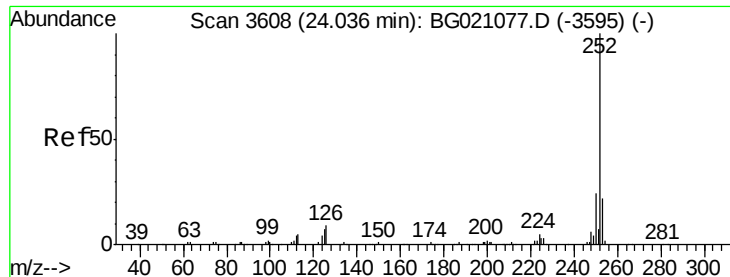
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3781
 Delta R.T. -0.03 min
 Lab File: BG021142.D
 Acq: 28 Feb 2016 8:45

Tgt Ion: 264 Resp: 62721
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.5 27.7
 265 22.4 18.6 28.0



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: 13.06 ng

RT: 24.01 min Scan# 3603

Delta R.T. -0.03 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

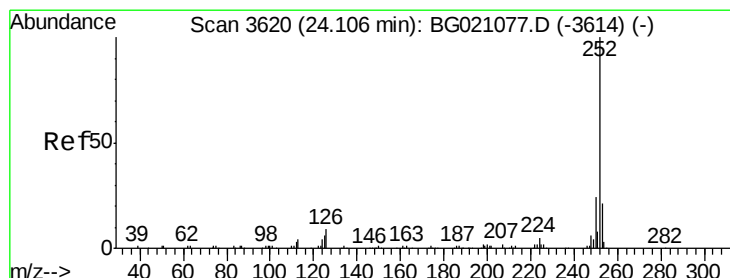
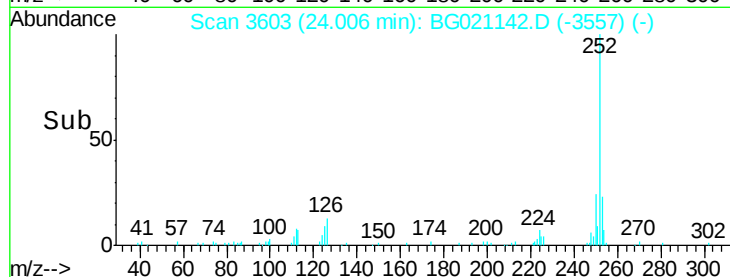
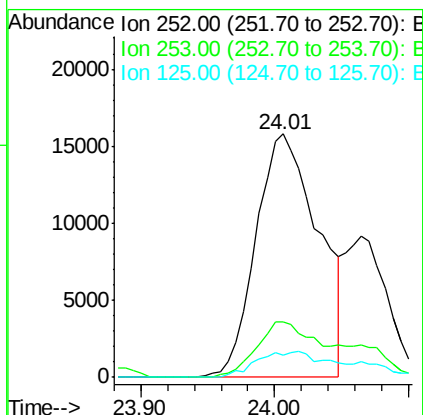
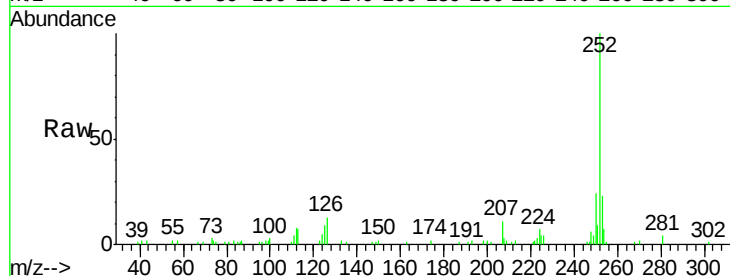
Instrument :

BNA_G

ClientSampleId :

P-04

Tgt Ion:	252	Resp:	51220
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.8	25.2
125	9.3	8.2	12.2



#88

Benzo(k)fluoranthene

Concen: 13.25 ng

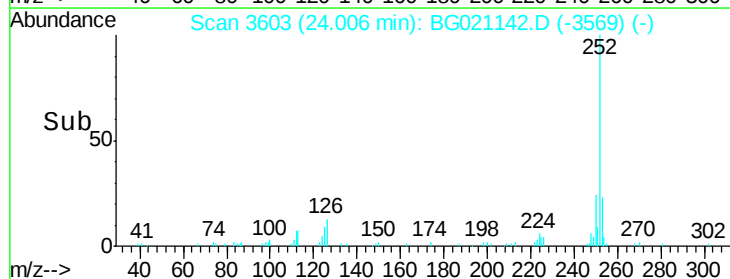
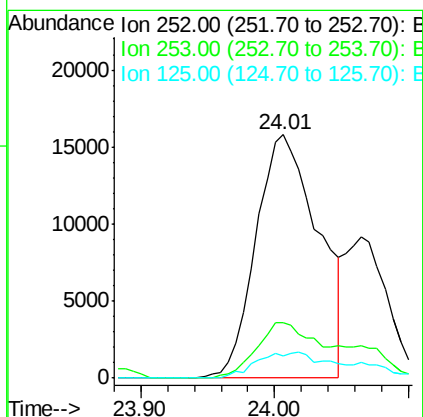
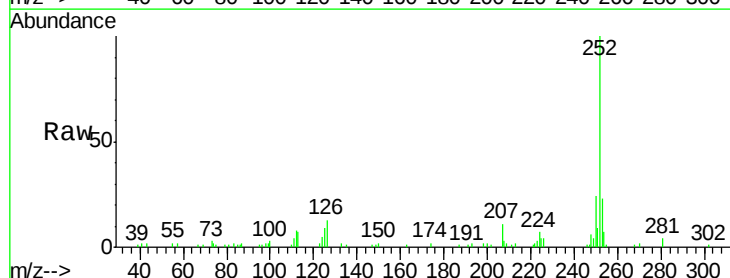
RT: 24.01 min Scan# 3603

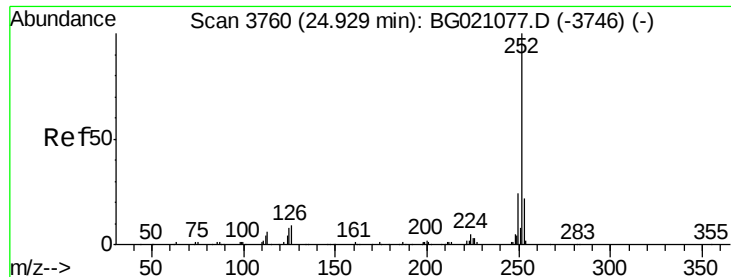
Delta R.T. -0.10 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	252	Resp:	51220
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.4	24.6
125	9.3	8.2	12.2





#89

Benzo(a)pyrene

Concen: 7.43 ng

RT: 24.89 min Scan# 3754

Delta R.T. -0.04 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

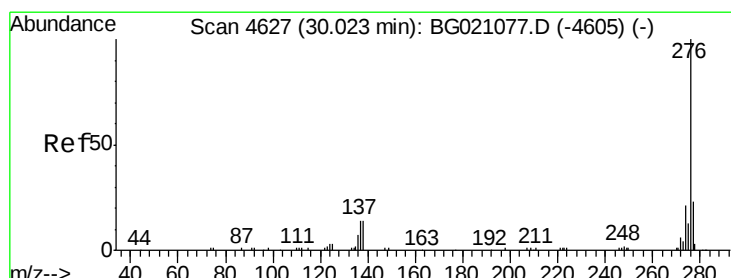
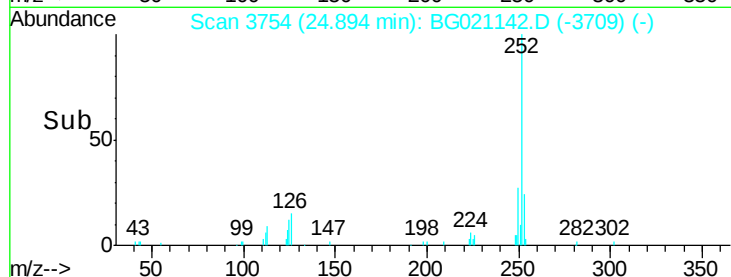
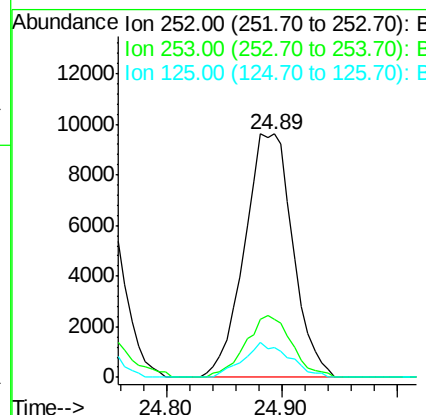
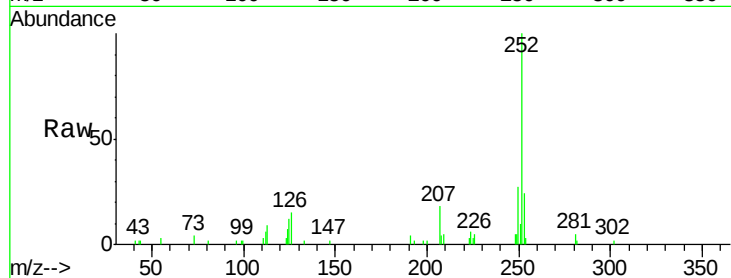
Instrument :

BNA_G

ClientSampleId :

P-04

Tgt Ion:	252	Resp:	27954
Ion	Ratio	Lower	Upper
252	100		
253	24.0	15.8	23.8#
125	12.3	8.4	12.6



#91

Benzo(g,h,i)perylene

Concen: 5.28 ng

RT: 29.95 min Scan# 4615

Delta R.T. -0.07 min

Lab File: BG021142.D

Acq: 28 Feb 2016 8:45

Tgt Ion:	276	Resp:	19278
Ion	Ratio	Lower	Upper
276	100		
277	26.2	16.6	25.0#
138	22.6	14.6	21.8#

