

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061016\
 Data File : BG022318.D
 Acq On : 11 Jun 2016 11:57
 Operator : UM/SJ
 Sample : PB91233BS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB91233BS

Quant Time: Jun 12 02:58:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

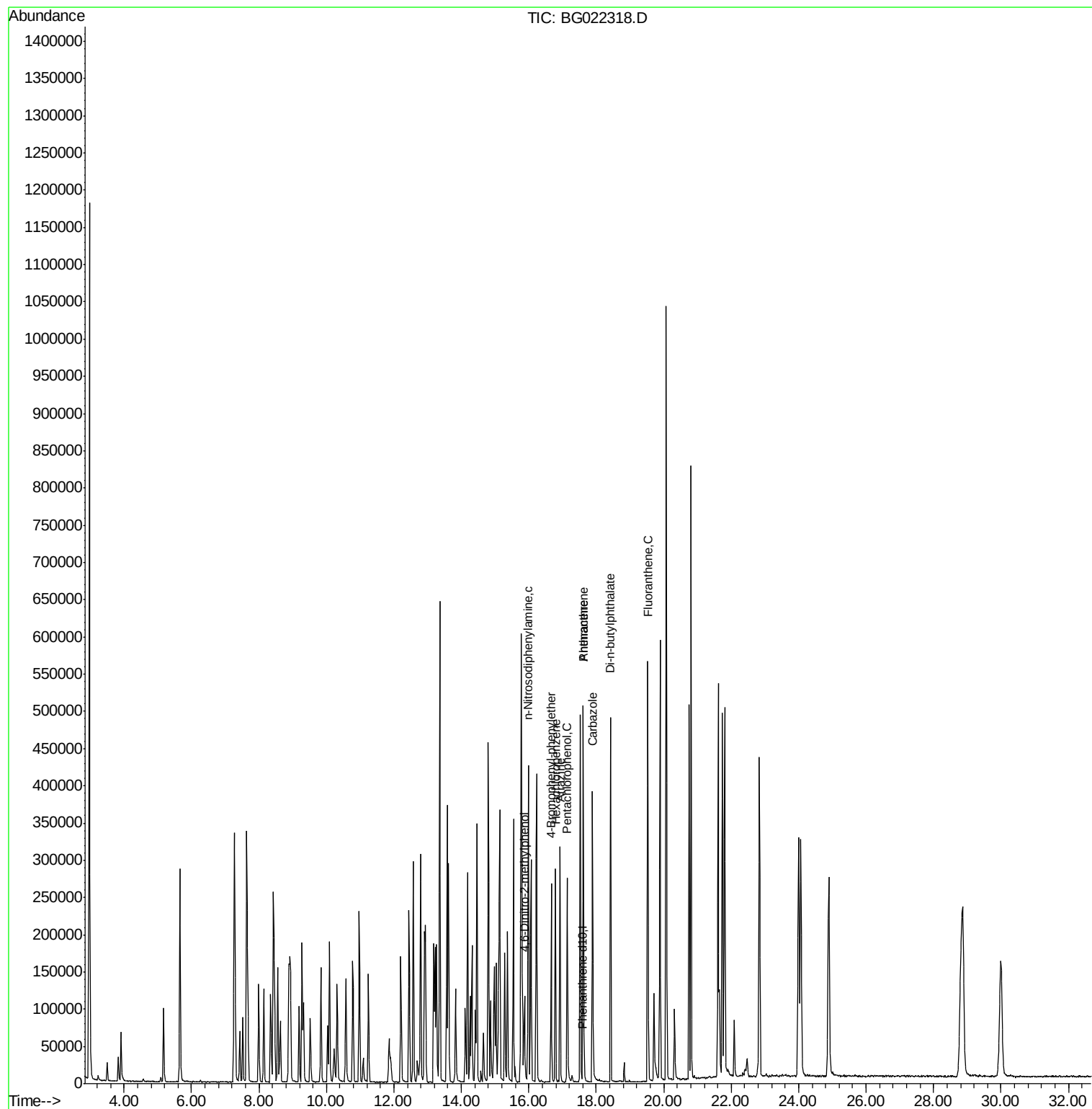
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.12
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.94
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.75
63) Phenanthrene-d10	17.58	188	1170	20.00	ng	0.09
75) Chrysene-d12	0.00	240	0	0.00	ng	-21.77
86) Perylene-d12	0.00	264	0	0.00	ng	-25.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	182853	0.00	ng	-0.01
7) Phenol-d6	7.27	99	271336	0.00	ng	0.00
23) Nitrobenzene-d5	9.28	82	144399	0.00	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	89134	0.00	ng	0.00
44) 2-Fluorobiphenyl	13.36	172	370103	0.00	ng	0.00
78) Terphenyl-d14	20.08	244	488667	0.00	ng	0.00
Target Compounds						Qvalue
64) 4,6-Dinitro-2-methylphenol	15.87	198	30737	4595.75	ng	84
65) n-Nitrosodiphenylamine	15.99	169	194935	5783.73	ng	99
66) 4-Bromophenyl-phenylether	16.66	248	60041	5476.69	ng	97
67) Hexachlorobenzene	16.79	284	66787	5226.98	ng	98
68) Atrazine	16.93	200	64834	5196.61	ng	99
69) Pentachlorophenol	17.14	266	59003	9329.93	ng	99
70) Phenanthrene	17.61	178	354467	5578.02	ng	97
71) Anthracene	17.61	178	354467	5624.36	ng	98
72) Carbazole	17.89	167	324932	5443.73	ng	99
73) Di-n-butylphthalate	18.42	149	432566	5543.27	ng	98
74) Fluoranthene	19.53	202	383262	5246.30	ng	97

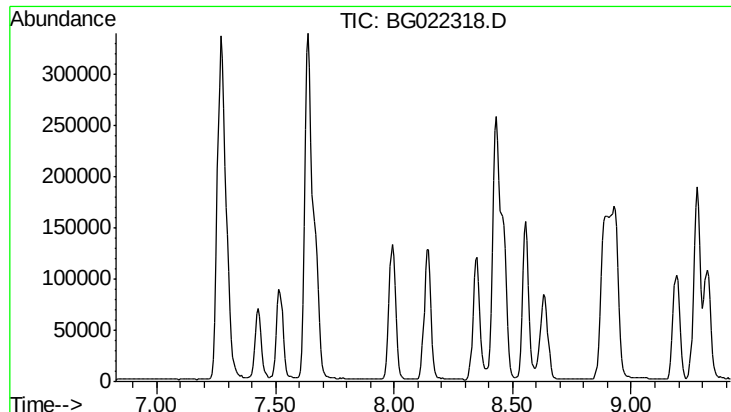
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 8.12 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

Instrument :

BNA_G

ClientSampleId :

PB91233BS

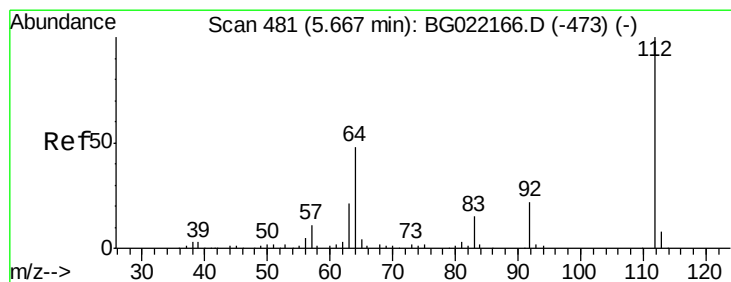
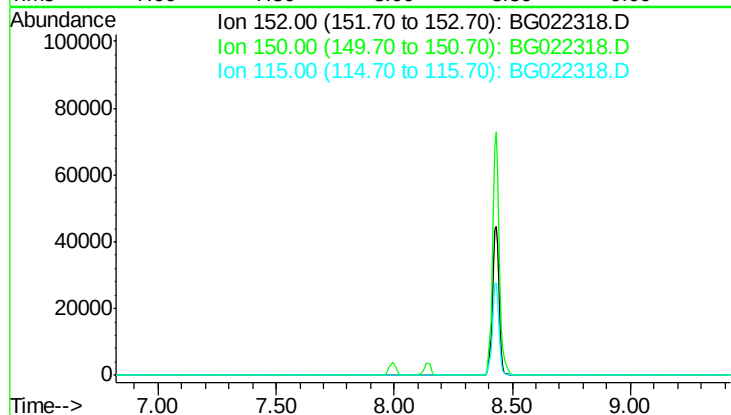
Tgt Ion: 152

Sig Exp Ratio

152 100

150 162.6

115 77.7



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.65 min Scan# 479

Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

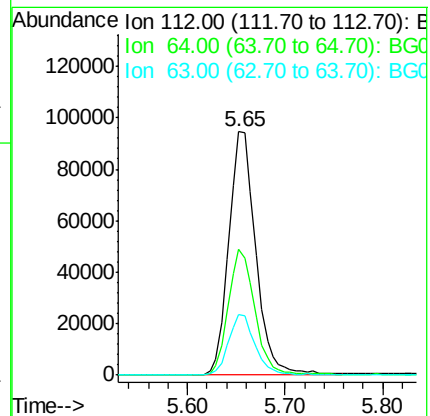
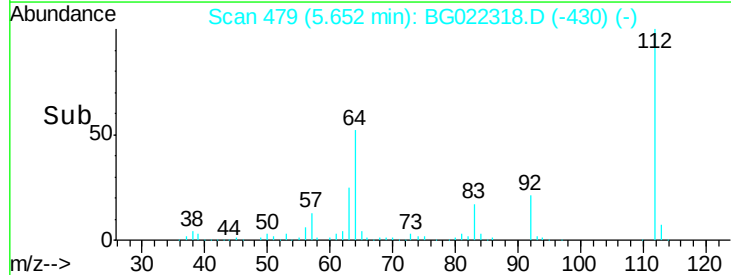
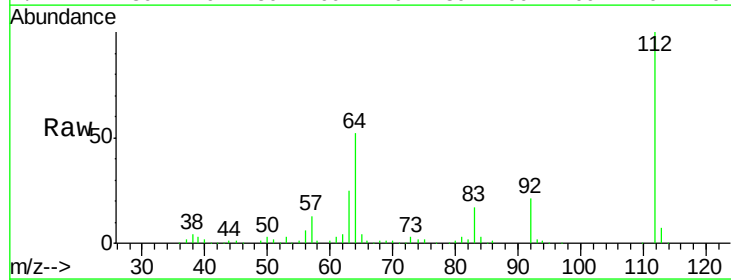
Tgt Ion: 112 Resp: 182853

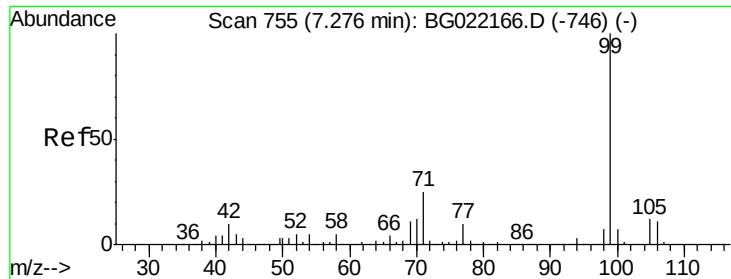
Ion Ratio Lower Upper

112 100

64 51.6 51.1 76.7

63 24.9 24.6 37.0





#7

Phenol-d6

Concen: 0.00 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

Instrument :

BNA_G

ClientSampleId :

PB91233BS

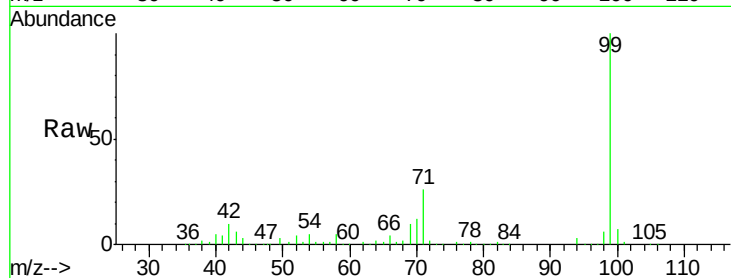
Tgt Ion: 99 Resp: 271336

Ion Ratio Lower Upper

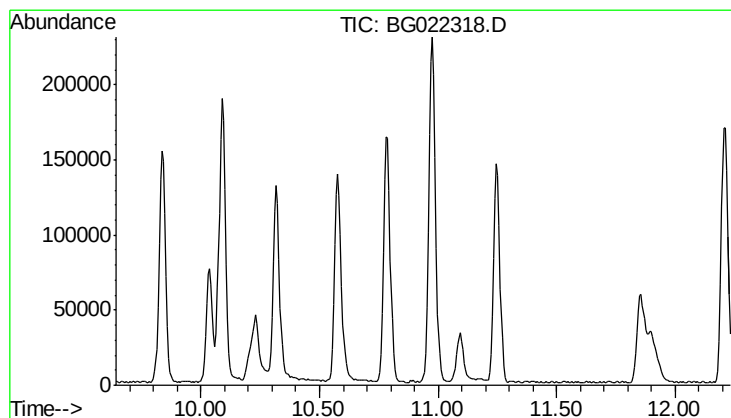
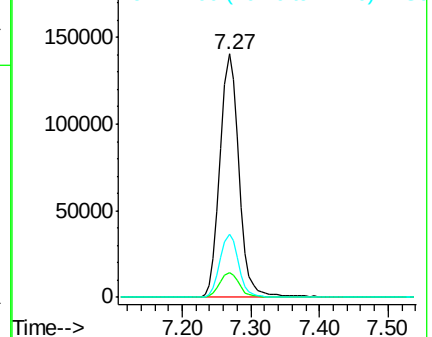
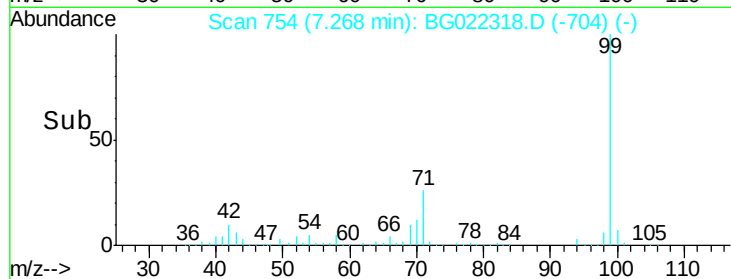
99 100

42 10.4 16.4 24.6#

71 25.9 25.0 37.4



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: 0.00 ng

Expected RT: 10.94 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

Tgt Ion: 136

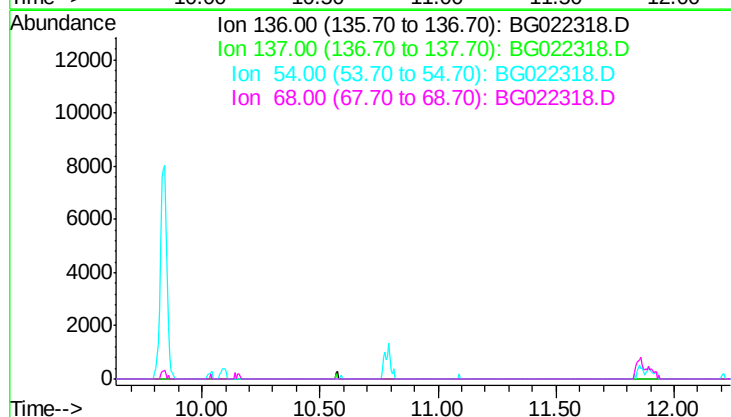
Sig Exp Ratio

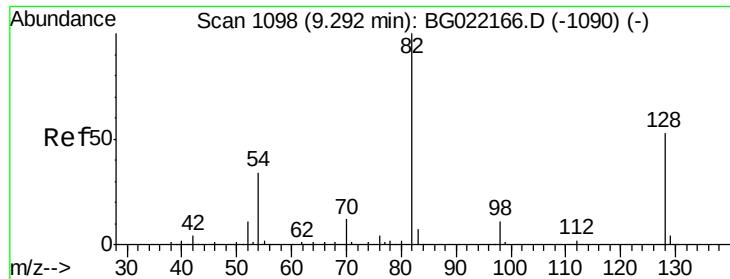
136 100

137 11.2

54 12.0

68 8.0

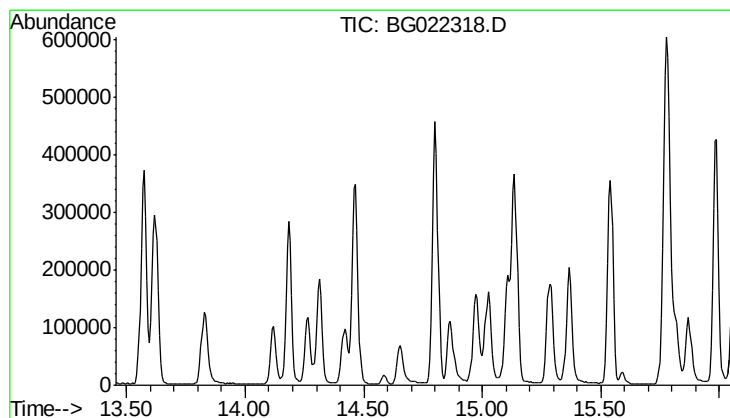
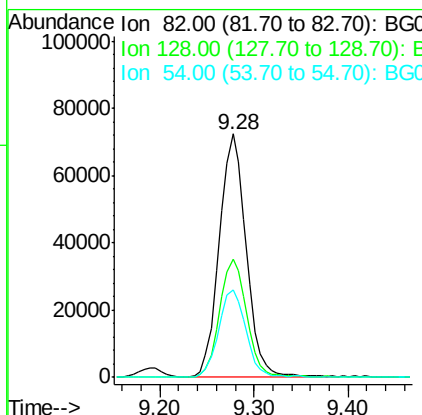
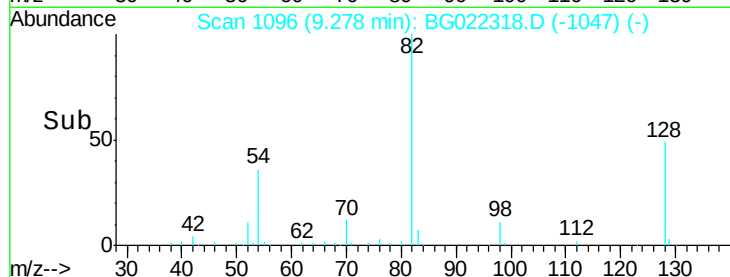
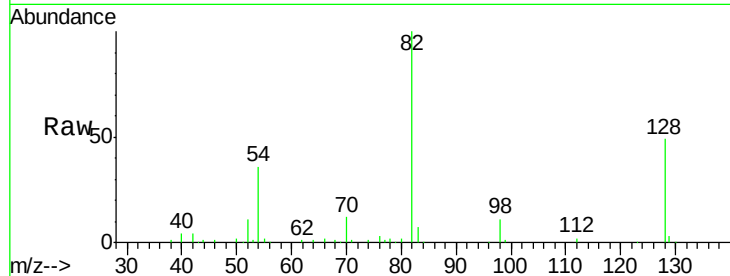




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

Instrument :
 BNA_G
 ClientSampleId :
 PB91233BS

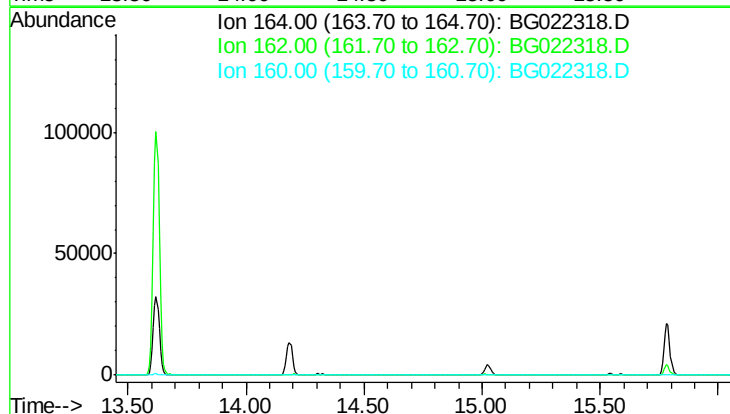
Tgt Ion	Ion	Ratio	Lower	Upper
82	100			
128	48.6	33.4	50.0	
54	35.8	46.1	69.1	

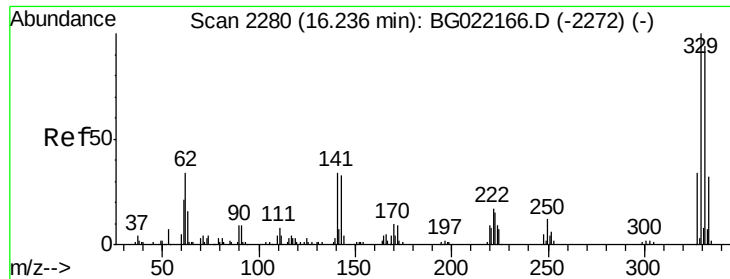


#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 14.75 min

Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

Tgt Ion	Sig	Exp Ratio
164	100	
162	97.5	
160	41.1	

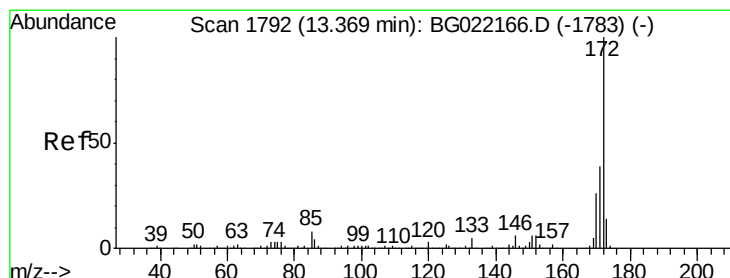
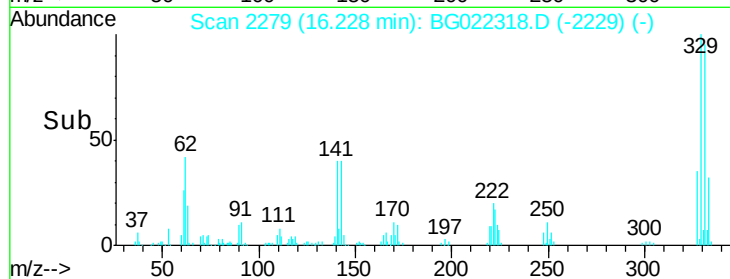
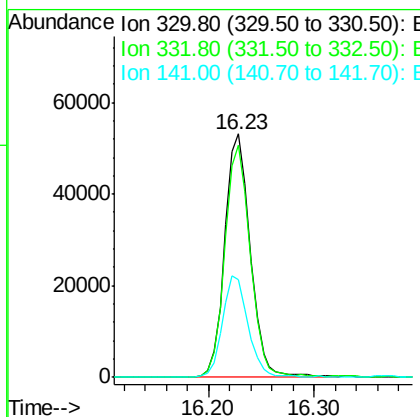
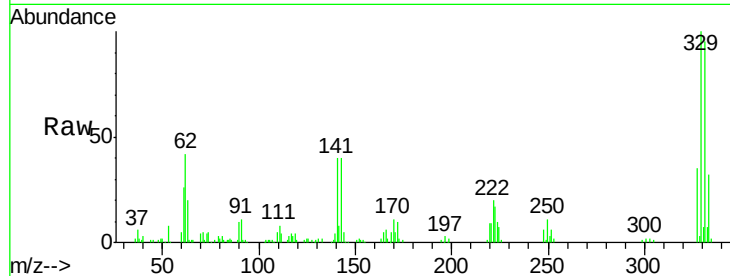




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

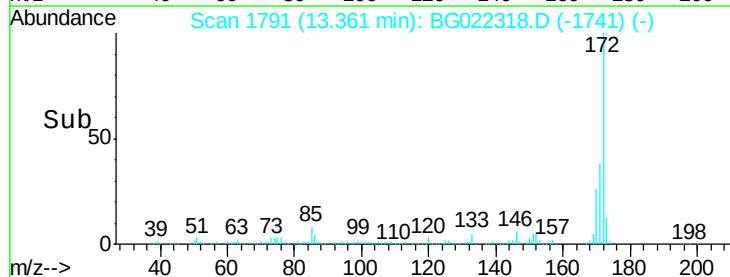
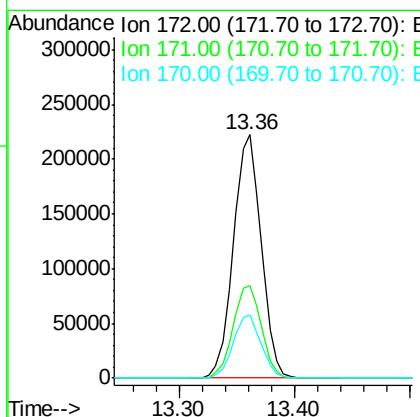
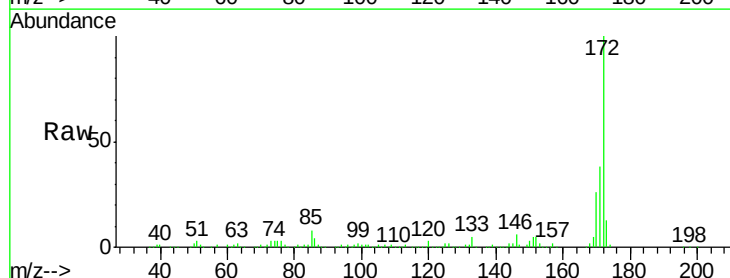
Instrument :
 BNA_G
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 PB91233BS

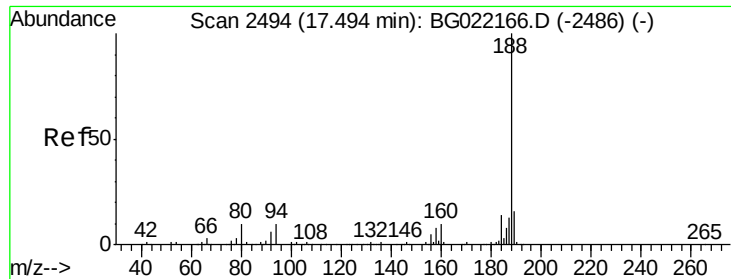
Tgt Ion:330 Resp: 89134
 Ion Ratio Lower Upper
 330 100
 332 94.9 78.0 117.0
 141 42.0 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

Tgt Ion:172 Resp: 370103
 Ion Ratio Lower Upper
 172 100
 171 37.9 27.8 41.6
 170 25.8 19.6 29.4

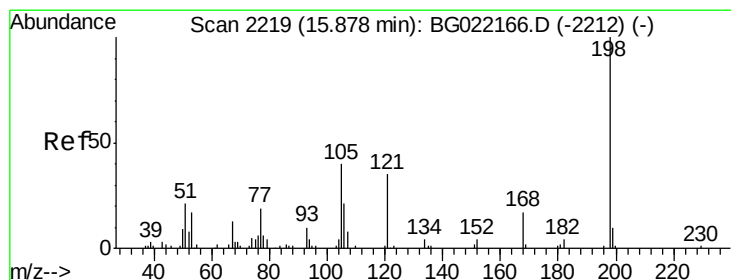
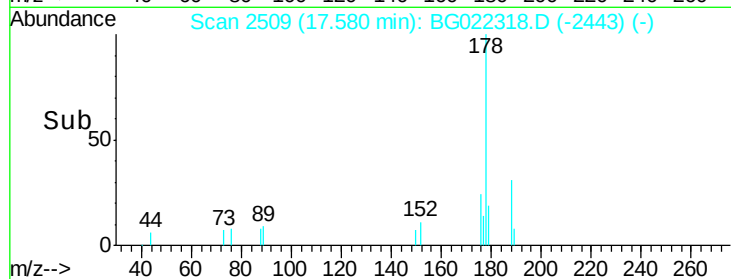
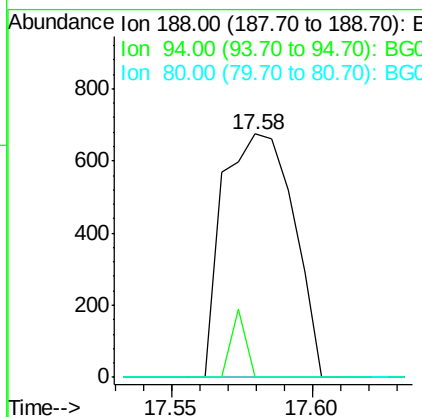
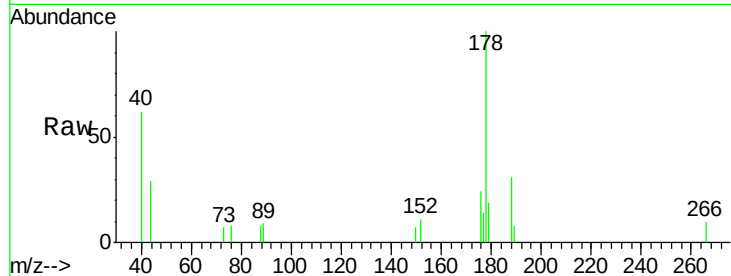




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.58 min Scan# 2509
Delta R.T. 0.09 min
Lab File: BG022318.D
Acq: 11 Jun 2016 11:57

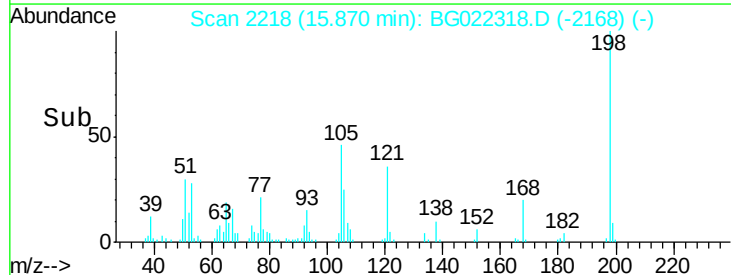
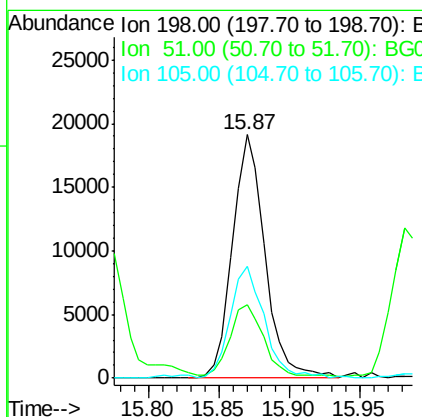
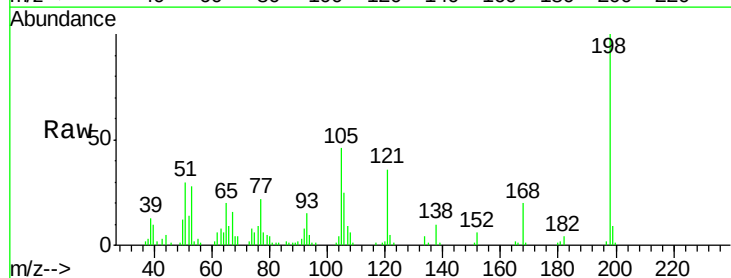
Instrument :
BNA_G
ClientSampleId :
PB91233BS

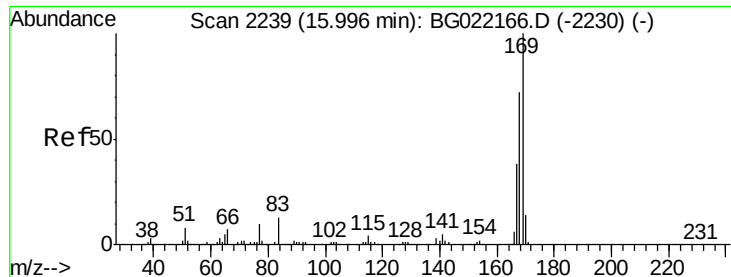
Tgt Ion:188 Resp: 1170
Ion Ratio Lower Upper
188 100
94 0.0 7.5 11.3#
80 0.0 8.6 13.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 4595.75 ng
RT: 15.87 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BG022318.D
Acq: 11 Jun 2016 11:57

Tgt Ion:198 Resp: 30737
Ion Ratio Lower Upper
198 100
51 30.0 29.2 69.2
105 46.1 24.0 64.0





#65

n-Nitrosodiphenylamine

Concen: 5783.73 ng

RT: 15.99 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

Instrument :

BNA_G

ClientSampleId :

PB91233BS

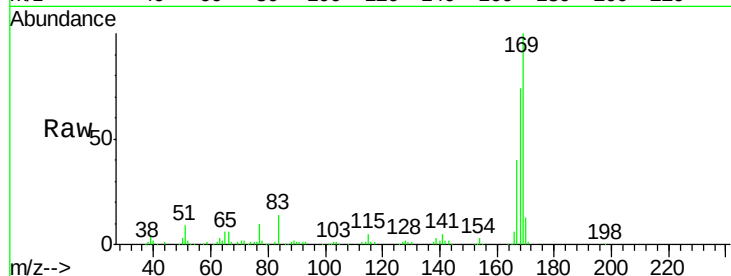
Tgt Ion:169 Resp: 194935

Ion Ratio Lower Upper

169 100

168 73.7 59.6 89.4

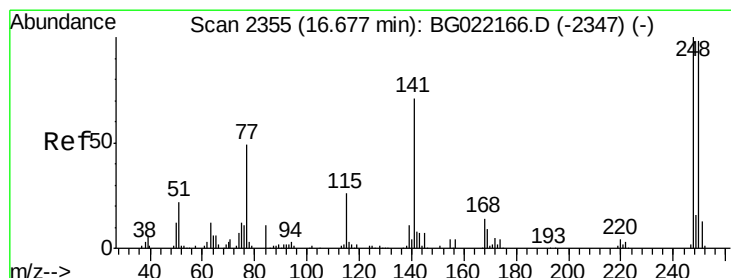
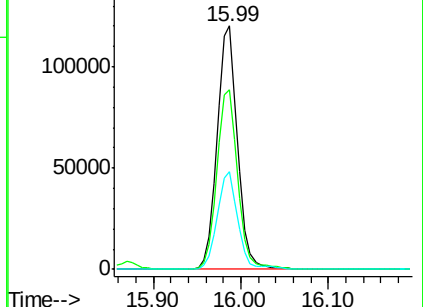
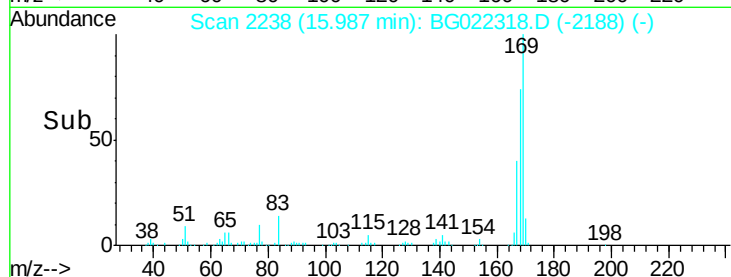
167 40.2 31.2 46.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 5476.69 ng

RT: 16.66 min Scan# 2353

Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

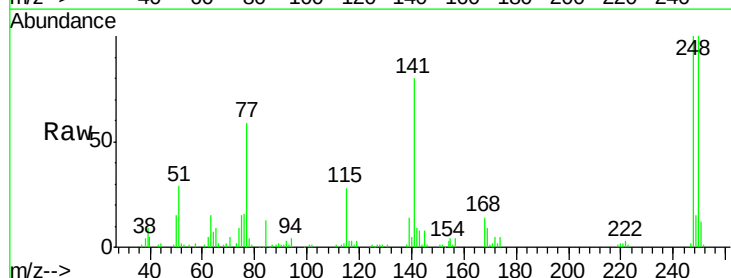
Tgt Ion:248 Resp: 60041

Ion Ratio Lower Upper

248 100

250 100.0 76.6 114.8

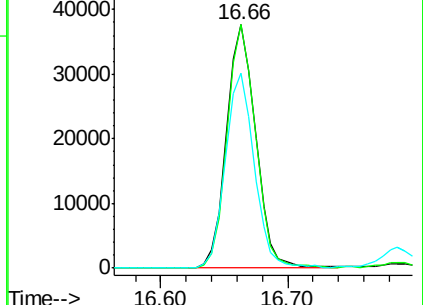
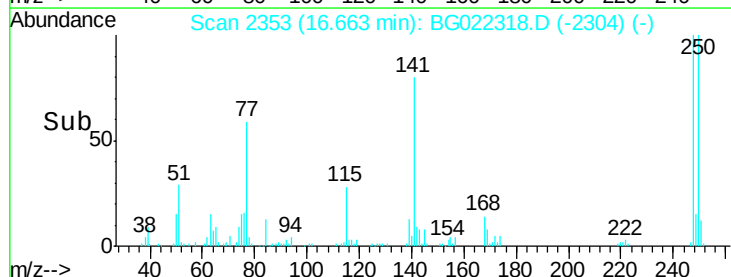
141 80.2 63.8 95.6

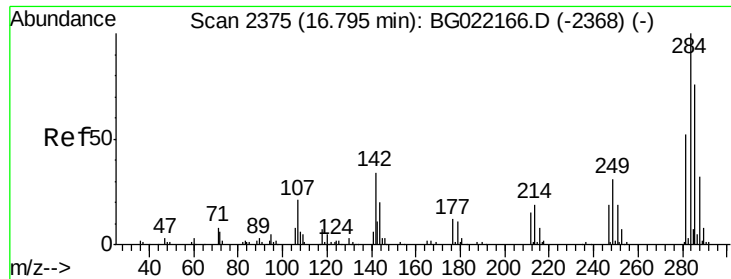


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

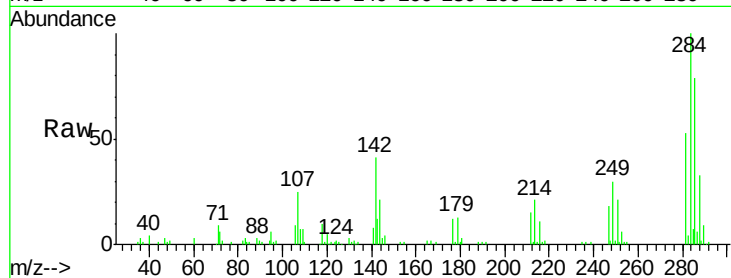




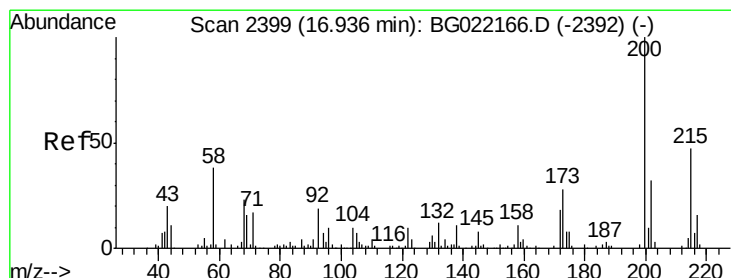
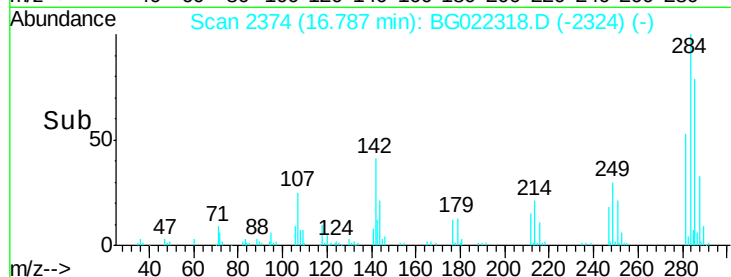
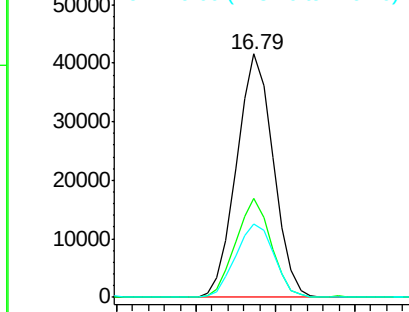
#67
Hexachlorobenzene
Concen: 5226.98 ng
RT: 16.79 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BG022318.D
Acq: 11 Jun 2016 11:57

Instrument :
BNA_G
ClientSampleId :
PB91233BS

Tgt Ion:284 Resp: 66787
Ion Ratio Lower Upper
284 100
142 40.6 31.8 47.6
249 32.2 27.3 40.9

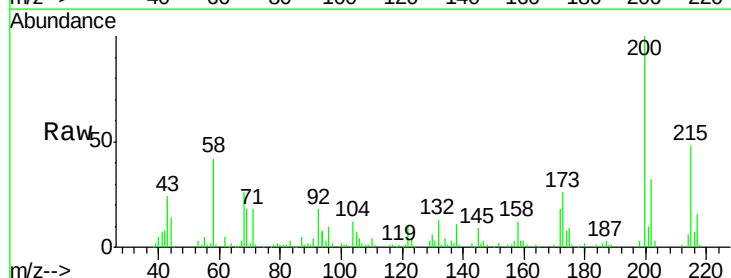


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

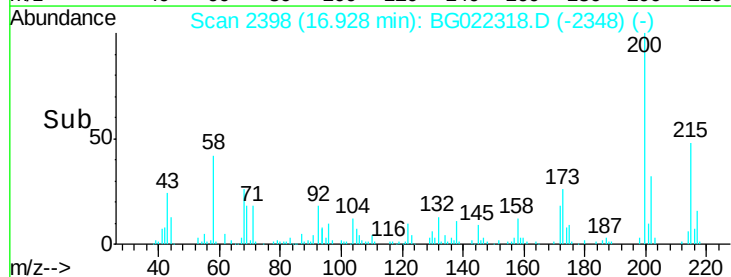
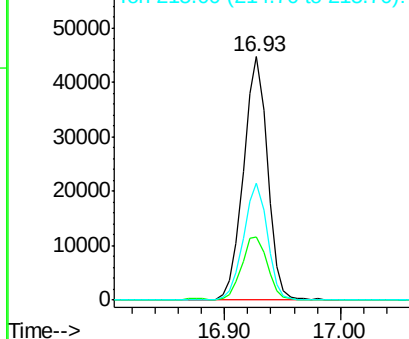


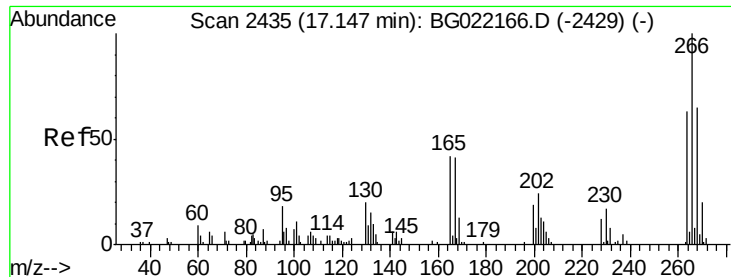
#68
Atrazine
Concen: 5196.61 ng
RT: 16.93 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BG022318.D
Acq: 11 Jun 2016 11:57

Tgt Ion:200 Resp: 64834
Ion Ratio Lower Upper
200 100
173 26.1 5.1 45.1
215 47.8 28.0 68.0



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

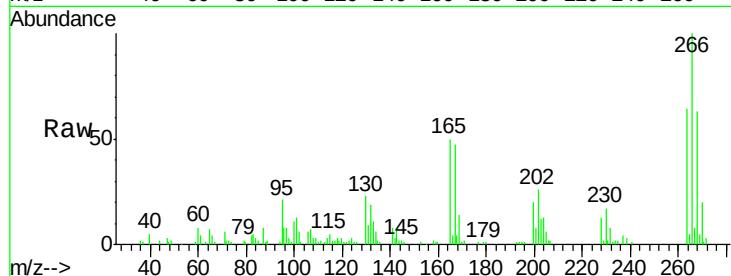




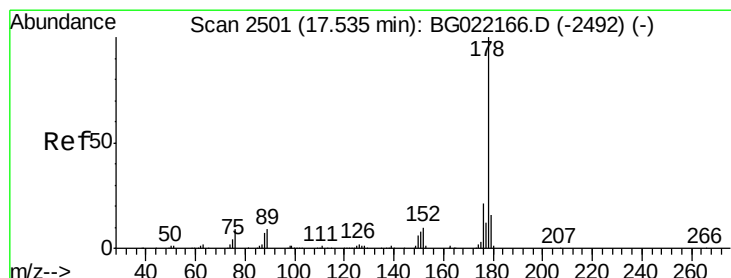
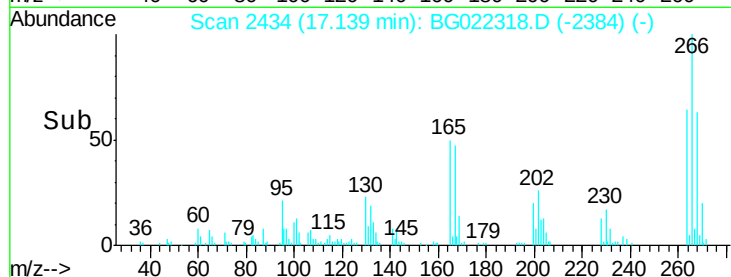
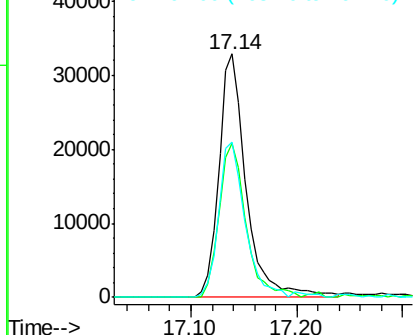
#69
 Pentachlorophenol
 Concen: 9329.93 ng
 RT: 17.14 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

Instrument :
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 PB91233BS

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.7	54.5	81.7
264	69.0	53.8	80.6

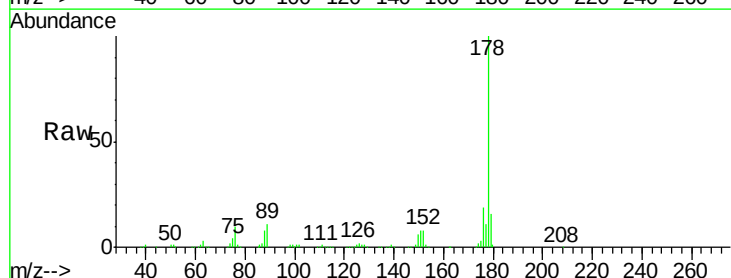


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

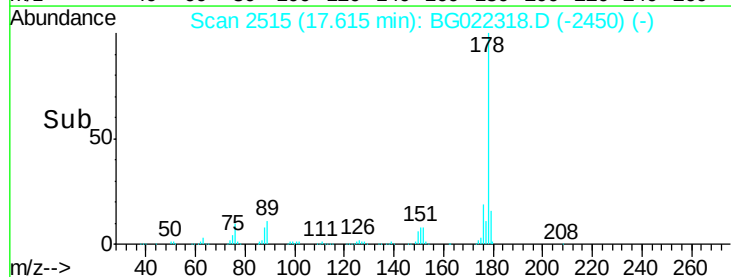
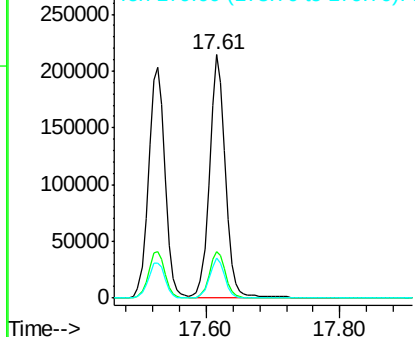


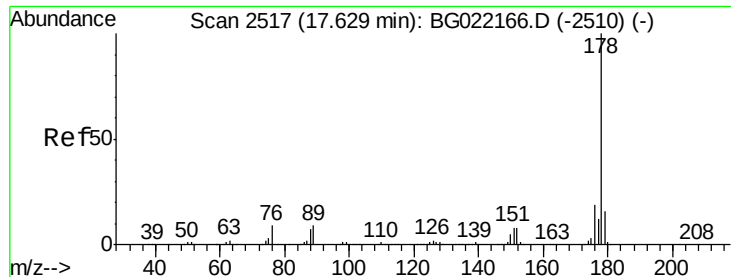
#70
 Phenanthrene
 Concen: 5578.02 ng
 RT: 17.61 min Scan# 2515
 Delta R.T. 0.08 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	16.3	12.0	18.0



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

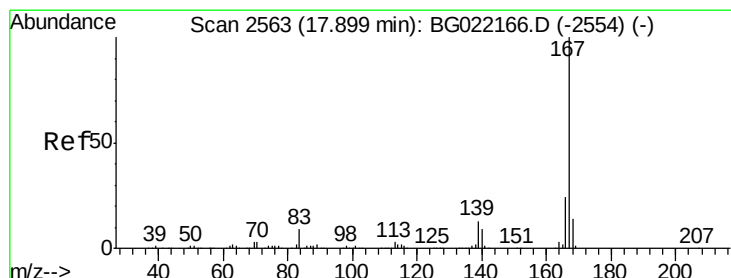
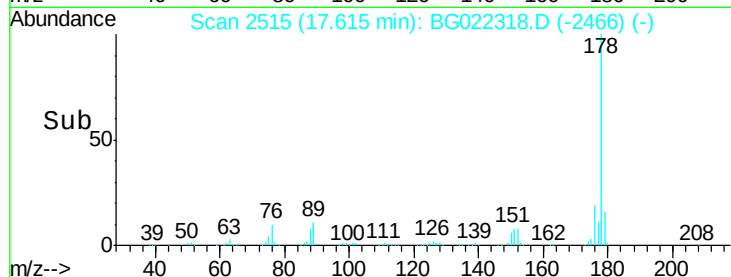
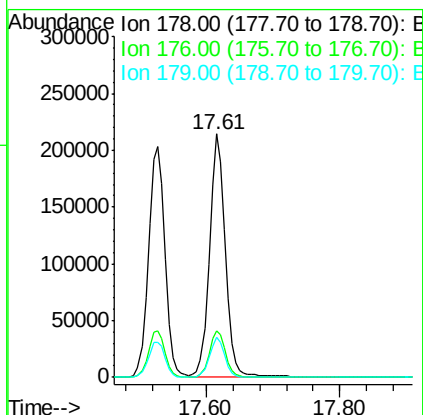
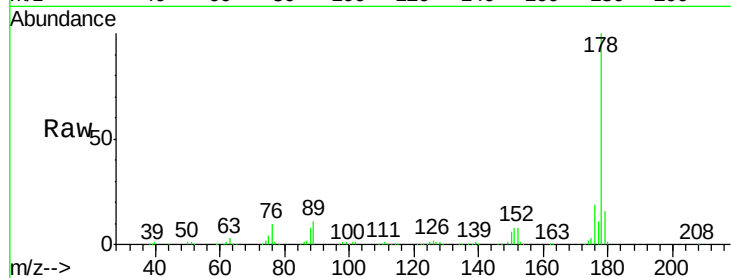




#71
 Anthracene
 Concen: 5624.36 ng
 RT: 17.61 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

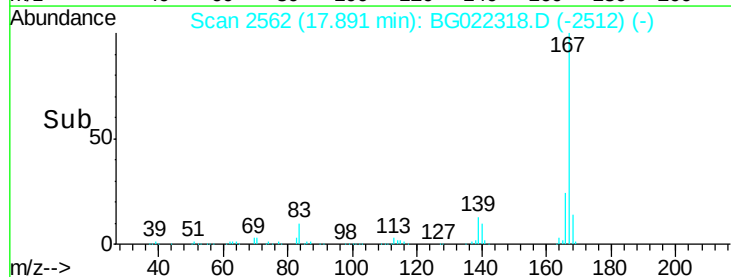
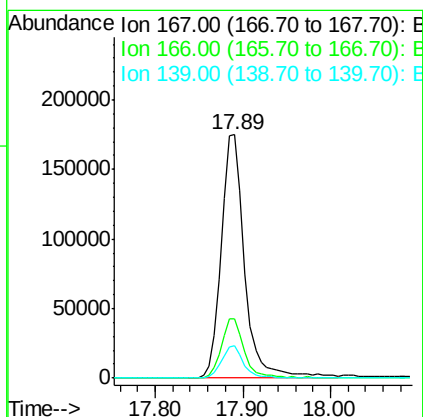
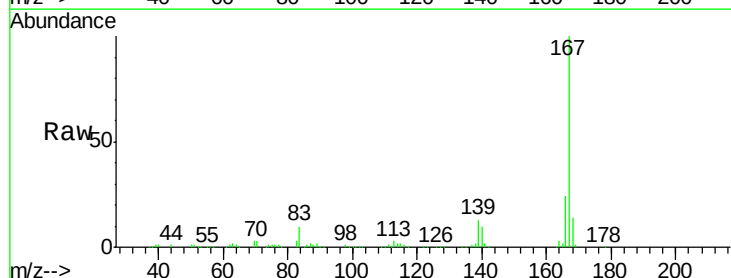
Instrument :
 BNA_G
 ClientSampleId :
 PB91233BS

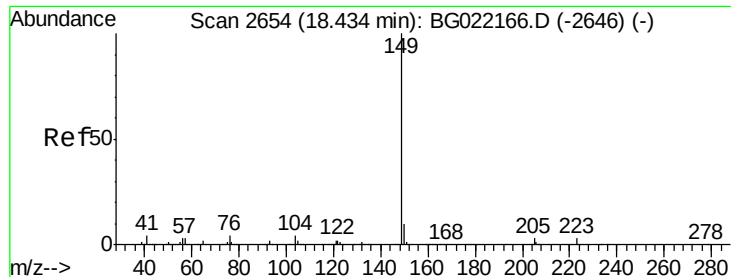
Tgt Ion:178 Resp: 354467
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.4
 179 16.3 12.2 18.4



#72
 Carbazole
 Concen: 5443.73 ng
 RT: 17.89 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BG022318.D
 Acq: 11 Jun 2016 11:57

Tgt Ion:167 Resp: 324932
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.6 27.8
 139 13.2 10.6 15.8





#73

Di-n-butylphthalate

Concen: 5543.27 ng

RT: 18.42 min Scan# 2652

Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

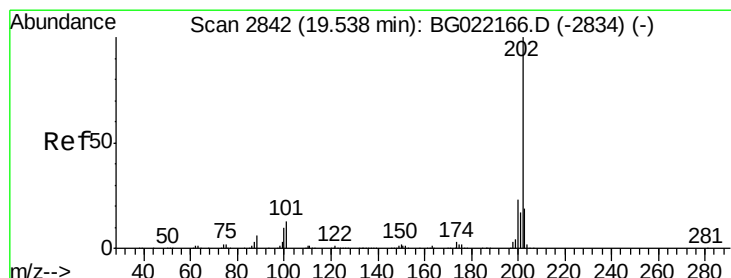
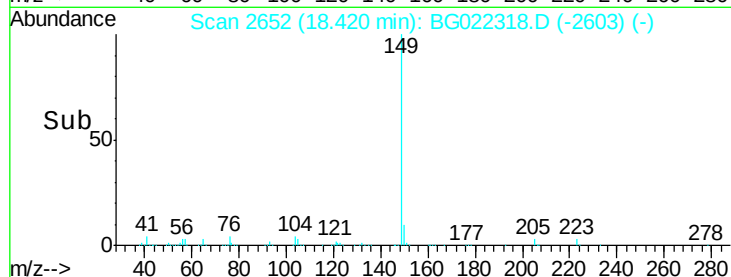
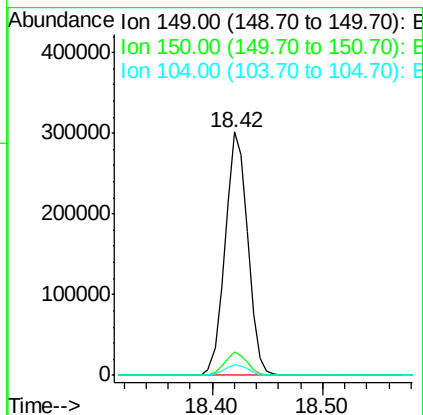
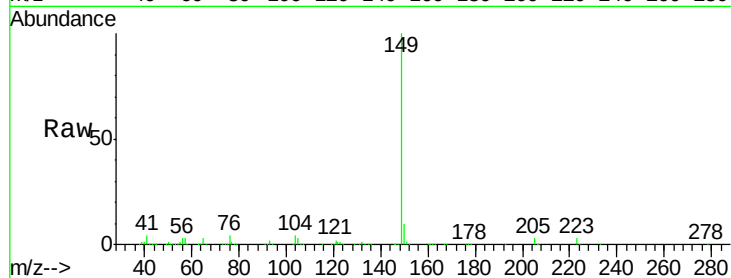
Instrument :

BNA_G

ClientSampleId :

PB91233BS

Tgt Ion:	149	Resp:	432566
Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.4	11.0
104	4.3	4.0	6.0



#74

Fluoranthene

Concen: 5246.30 ng

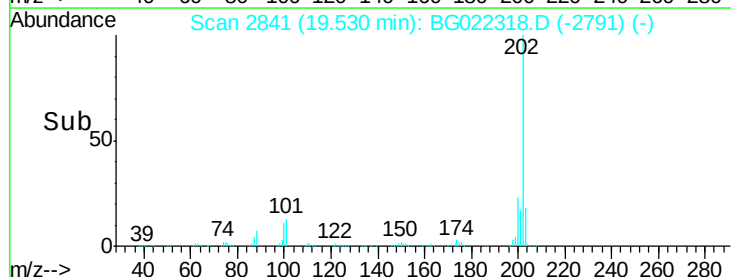
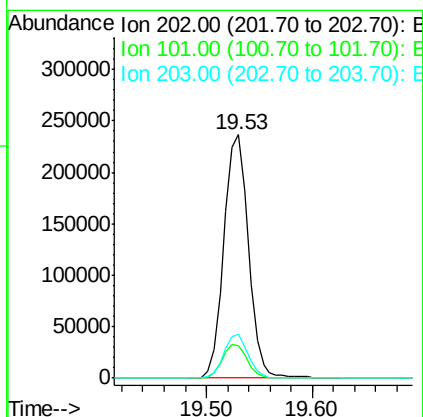
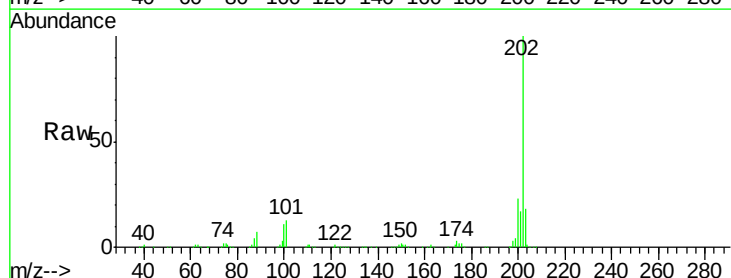
RT: 19.53 min Scan# 2841

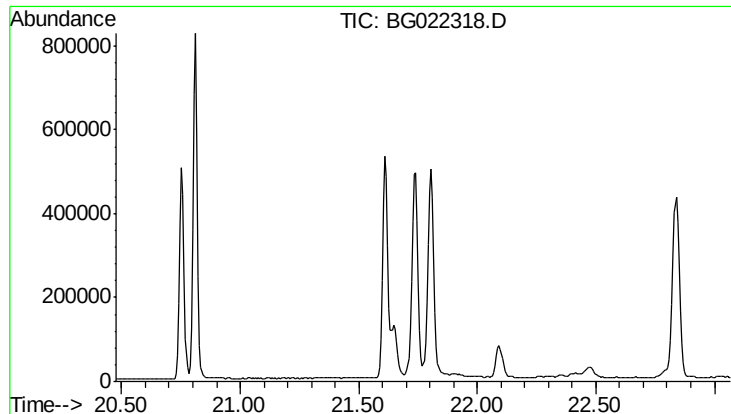
Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

Tgt Ion:	202	Resp:	383262
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	31.0
203	18.1	0.0	37.9





#75

Chrysene-d12

Concen: 0.00 ng

Expected RT: 21.77 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

Instrument :

BNA_G

ClientSampleId :

PB91233BS

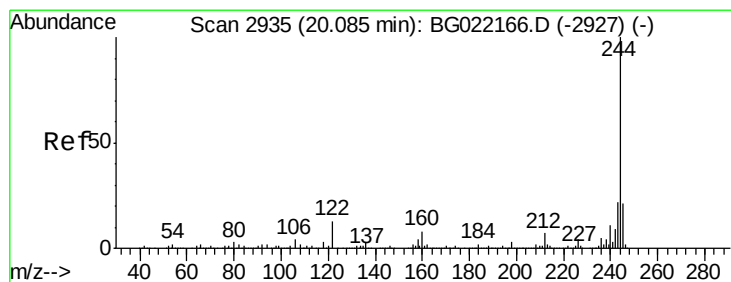
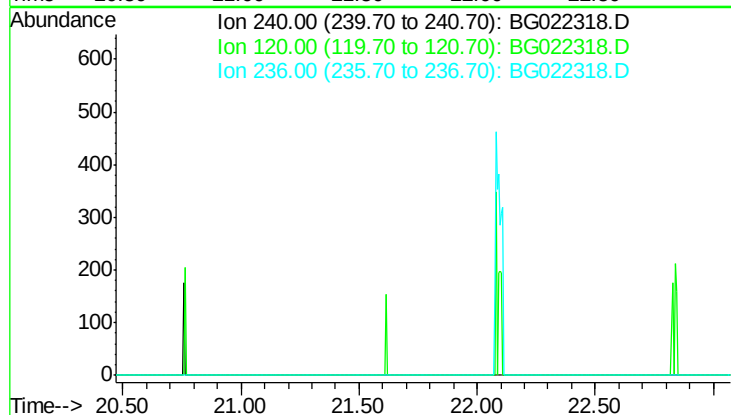
Tgt Ion: 240

Sig Exp Ratio

240 100

120 10.5

236 24.5



#78

Terphenyl-d14

Concen: 0.00 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BG022318.D

Acq: 11 Jun 2016 11:57

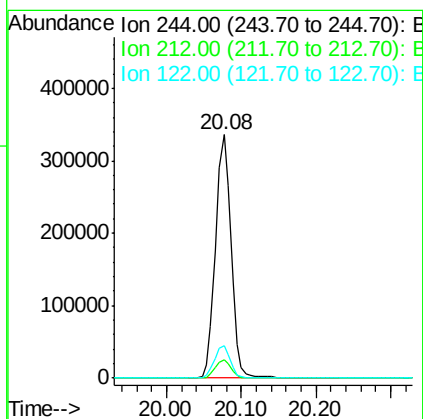
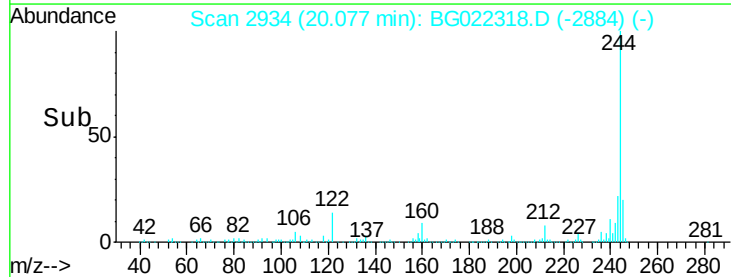
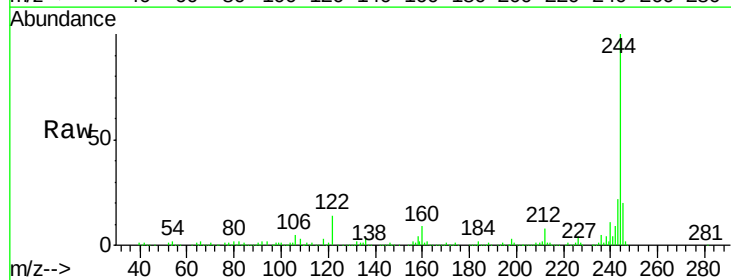
Tgt Ion: 244 Resp: 488667

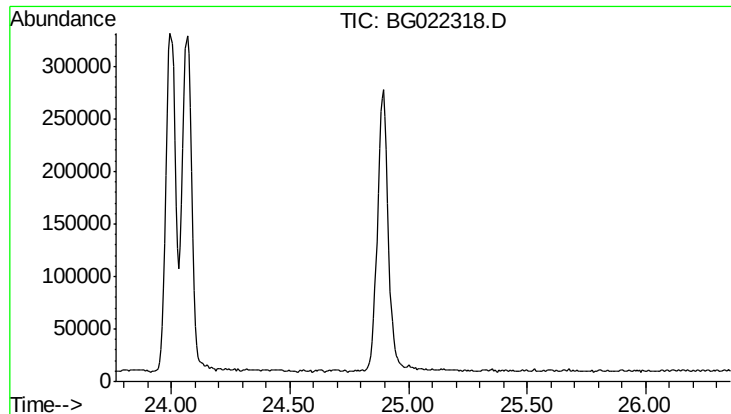
Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 13.6 8.6 12.8#





#86
Perylene-d12
Concen: 0.00 ng
Expected RT: 25.06 min
Lab File: BG022318.D
Acq: 11 Jun 2016 11:57

Instrument :
BNA_G
ClientSampleId :
PB91233BS

Tgt Ion:	264
Sig	Exp Ratio
264	100
260	25.3
265	22.3

