

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\
 Data File : BG021138.D
 Acq On : 28 Feb 2016 6:09
 Operator : UM/SJ
 Sample : H1526-01
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-02

Quant Time: Feb 29 00:59:57 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

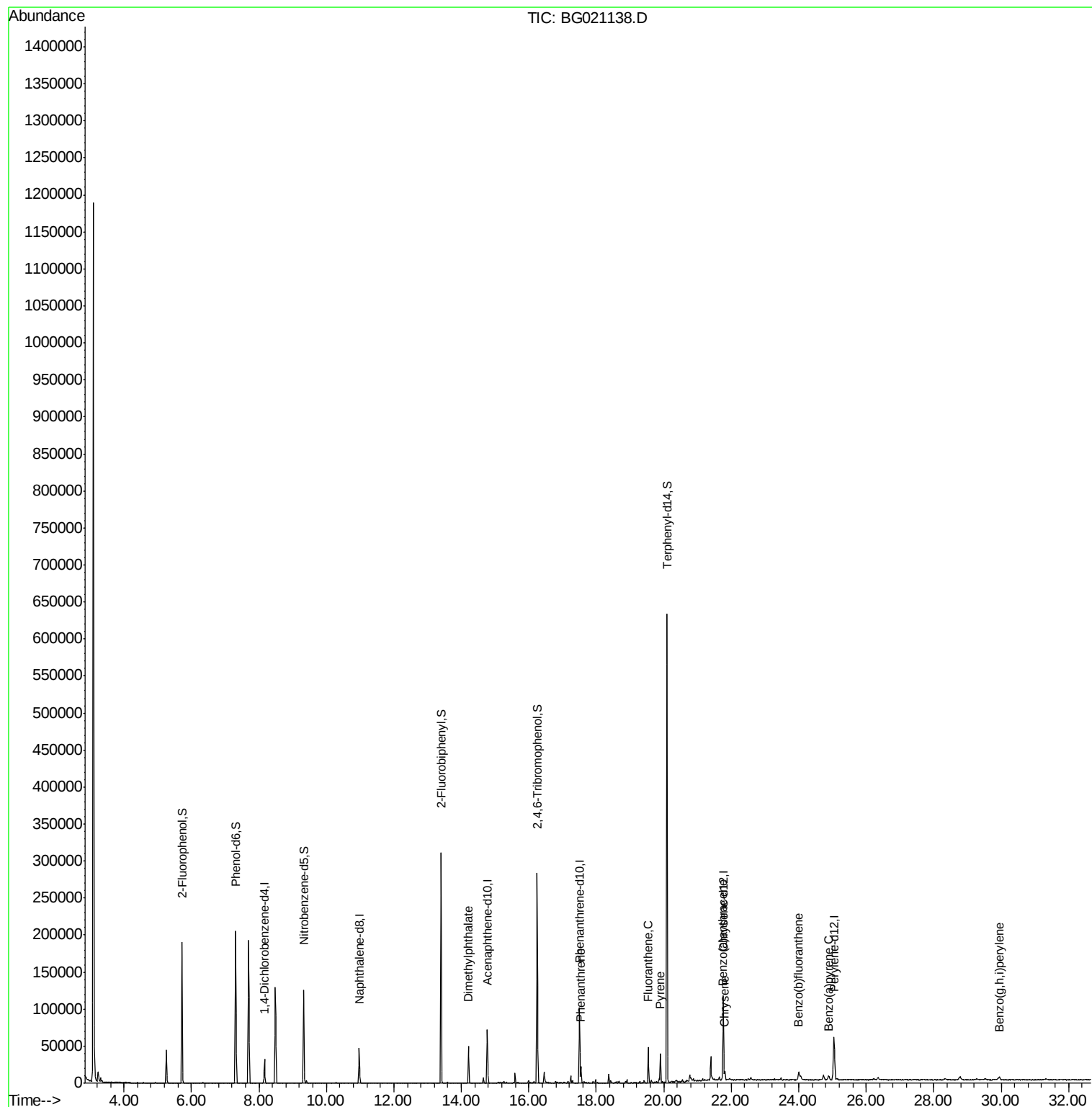
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	7955	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	38300	20.00	ng	-0.02
38) Acenaphthene-d10	14.77	164	23566	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	59153	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	63722	20.00	ng	-0.03
86) Perylene-d12	25.04	264	59162	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	71318	156.96	ng	0.00
7) Phenol-d6	7.31	99	112744	166.74	ng	-0.01
23) Nitrobenzene-d5	9.33	82	79989	99.51	ng	-0.02
41) 2,4,6-Tribromophenol	16.25	330	36432	117.91	ng	-0.01
44) 2-Fluorobiphenyl	13.40	172	146488	79.54	ng	-0.01
78) Terphenyl-d14	20.10	244	243643	89.36	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.22	163	28231	13.90	ng	99
70) Phenanthrene	17.55	178	12990	4.08	ng	98
74) Fluoranthene	19.54	202	28575	7.16	ng	98
77) Pyrene	19.90	202	24555	6.96	ng	96
80) Benzo(a)anthracene	21.75	228	7886	2.15	ng	96
82) Chrysene	21.82	228	9539	2.70	ng	96
87) Benzo(b)fluoranthene	24.00	252	14287	3.86	ng	# 92
89) Benzo(a)pyrene	24.88	252	7176	2.02	ng	# 89
91) Benzo(g,h,i)perylene	29.94	276	7503	2.18	ng	# 89

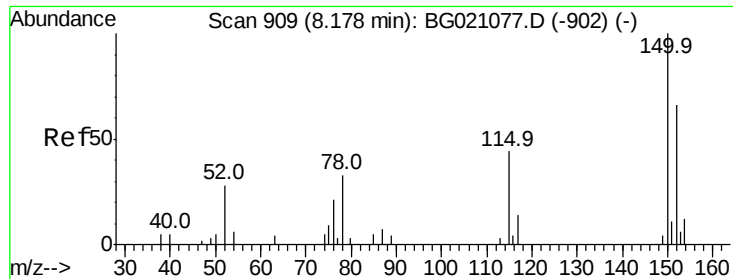
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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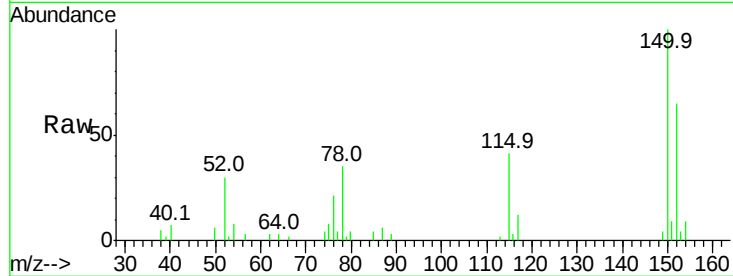


#1

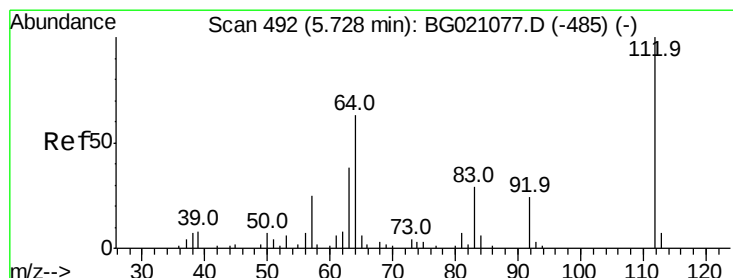
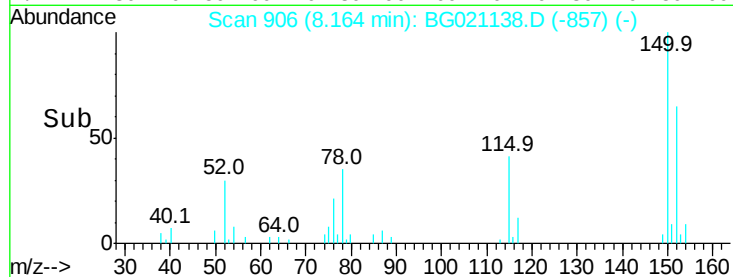
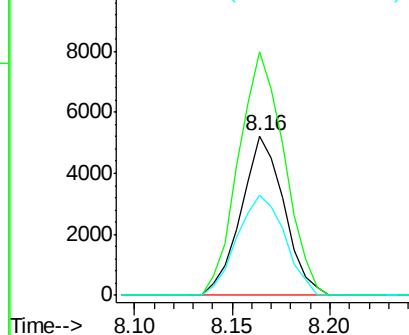
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.16 min Scan# 906
Delta R.T. -0.01 min
Lab File: BG021138.D
Acq: 28 Feb 2016 6:09

Instrument :
BNA_G
ClientSampled :
P-02

Tot Ion:152 Resp: 7955
Ion Ratio Lower Upper
152 100
150 152.7 123.4 185.2
115 62.9 43.3 64.9



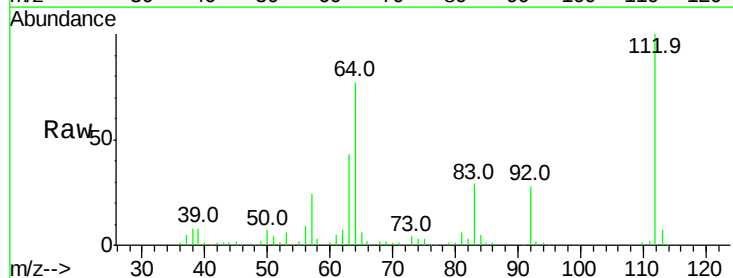
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



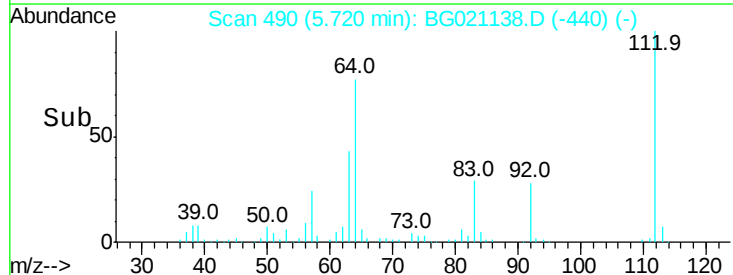
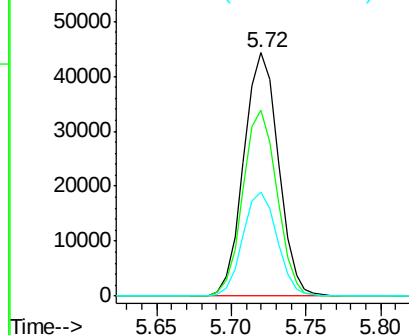
#5

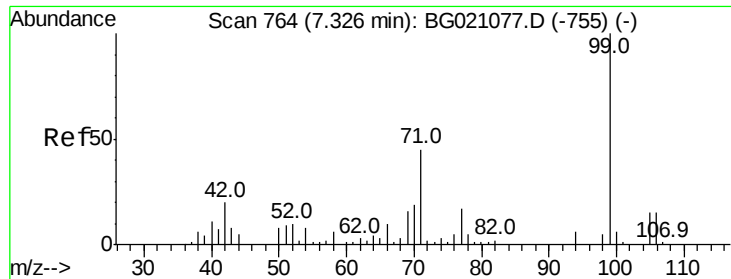
2-Fluorophenol
Concen: 156.96 ng
RT: 5.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: BG021138.D
Acq: 28 Feb 2016 6:09

Tgt Ion:112 Resp: 71318
Ion Ratio Lower Upper
112 100
64 76.6 42.6 63.8#
63 43.0 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 166.74 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampleId :

P-02

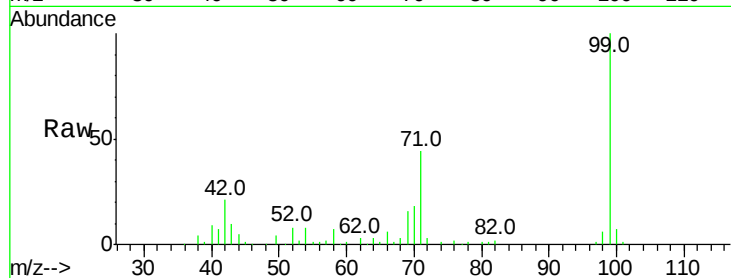
Tot Ion: 99 Resp: 112744

Ion Ratio Lower Upper

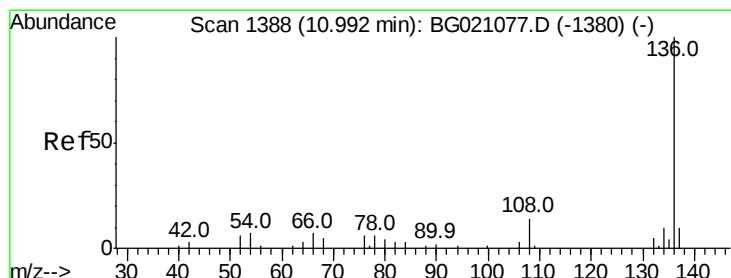
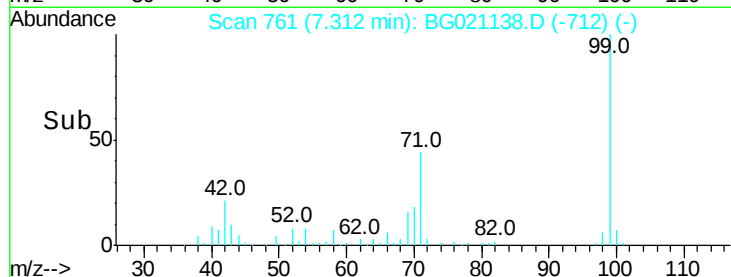
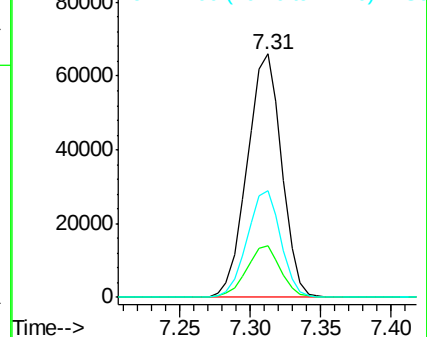
99 100

42 21.3 13.2 19.8#

71 43.6 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# 1384

Delta R.T. -0.02 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Tgt Ion: 136 Resp: 38300

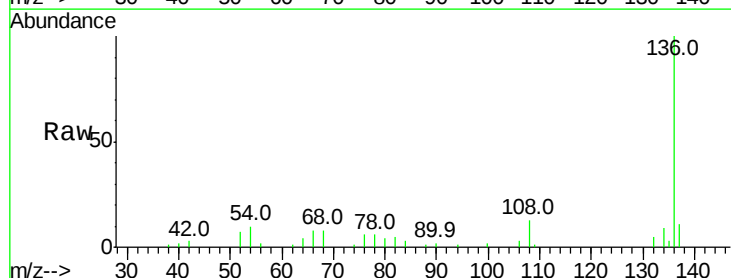
Ion Ratio Lower Upper

136 100

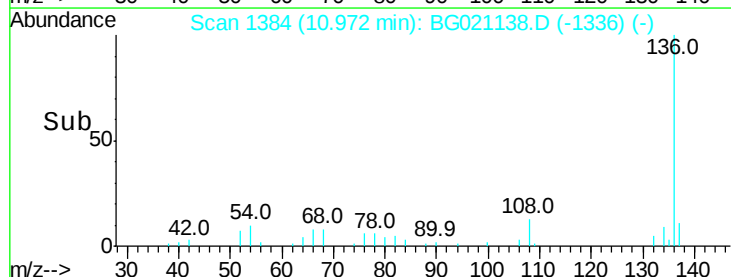
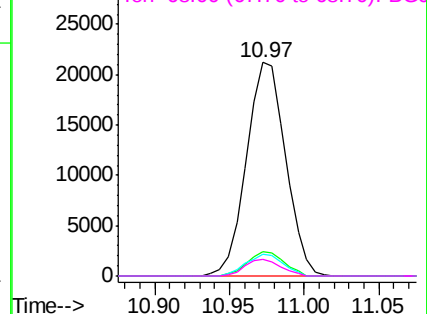
137 11.3 8.8 13.2

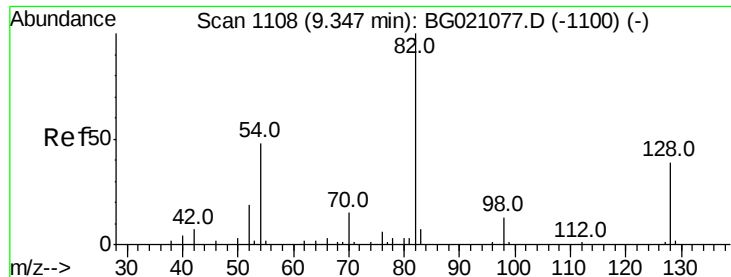
54 10.1 6.9 10.3

68 7.7 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

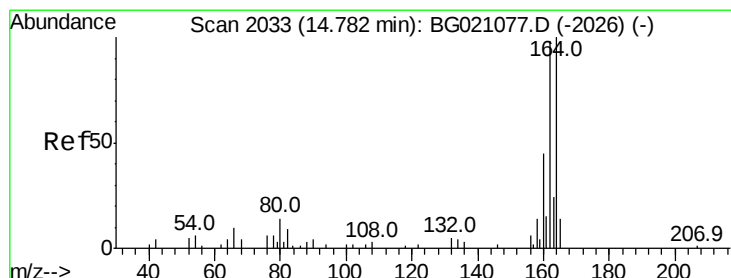
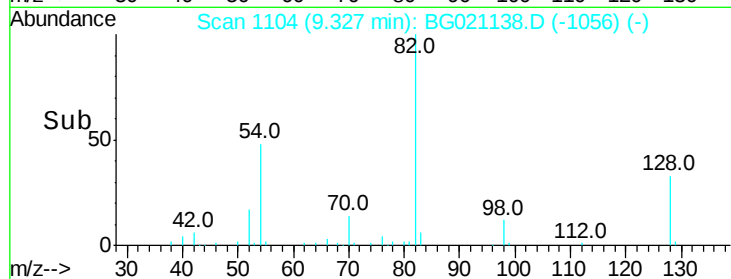
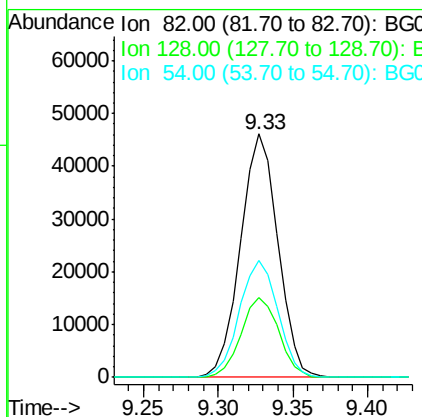
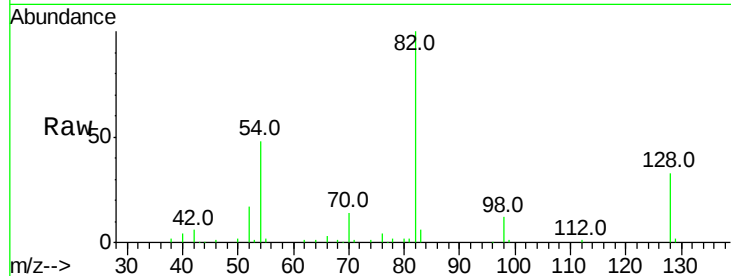




#23
 Nitrobenzene-d5
 Concen: 99.51 ng
 RT: 9.33 min Scan# 1104
 Delta R.T. -0.02 min
 Lab File: BG021138.D
 Acq: 28 Feb 2016 6:09

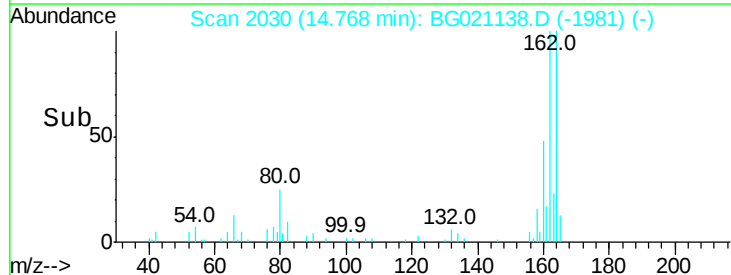
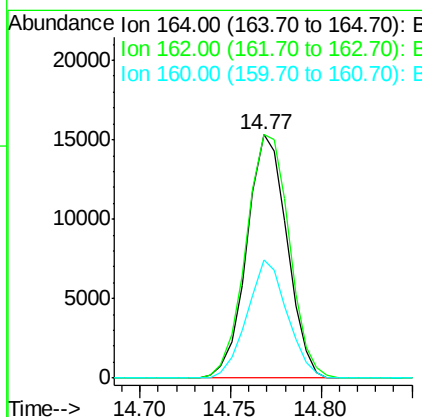
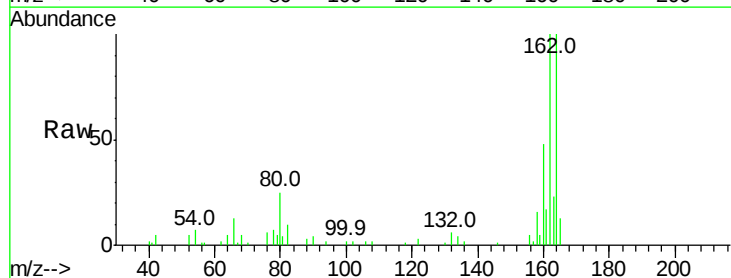
Instrument :
 BNA_G
 ClientSampleId :
 P-02

Tot Ion: 82 Resp: 79989
 Ion Ratio Lower Upper
 82 100
 128 33.0 36.3 54.5#
 54 48.0 37.6 56.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.77 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BG021138.D
 Acq: 28 Feb 2016 6:09

Tgt Ion: 164 Resp: 23566
 Ion Ratio Lower Upper
 164 100
 162 100.2 80.6 120.8
 160 48.5 36.5 54.7

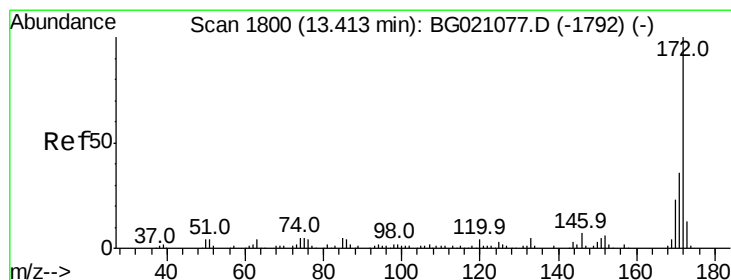
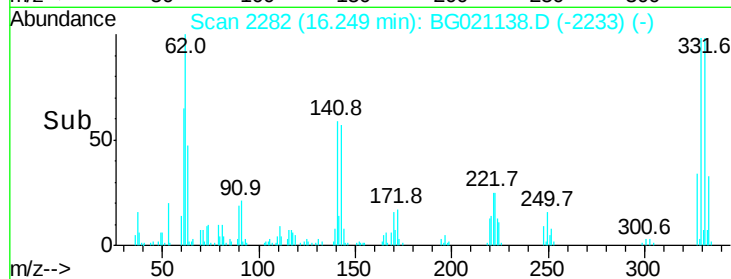
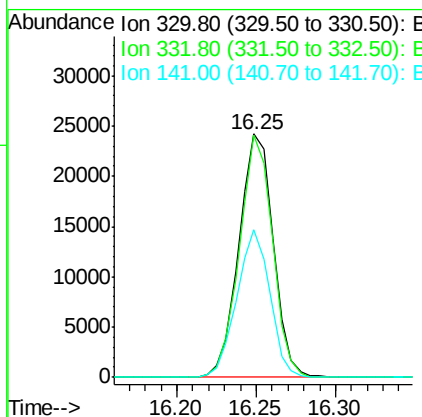
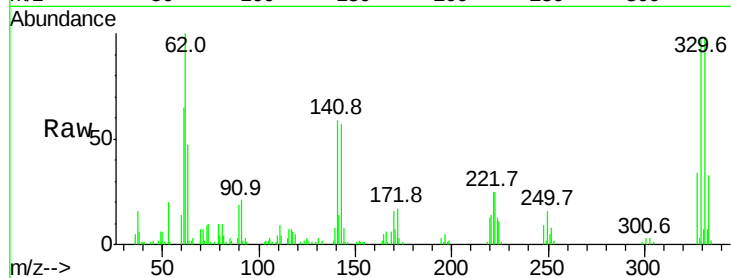




#41
 2,4,6-Tribromophenol
 Concen: 117.91 ng
 RT: 16.25 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BG021138.D
 Acq: 28 Feb 2016 6:09

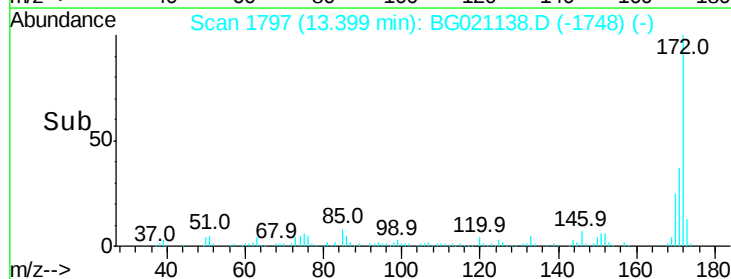
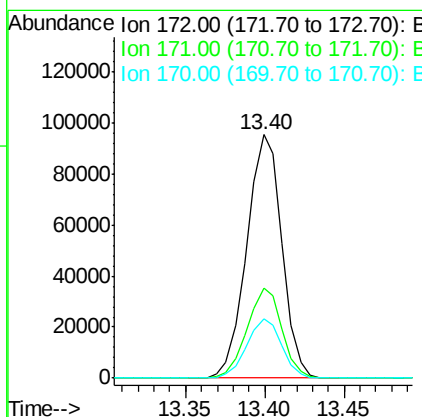
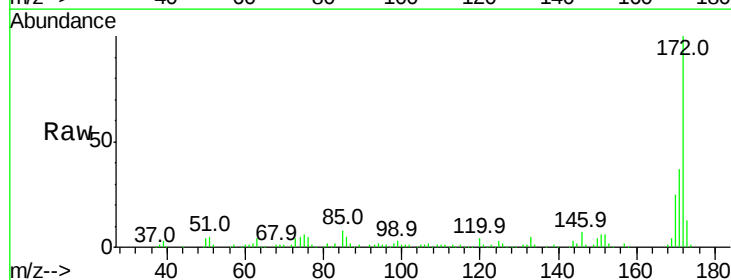
Instrument :
 BNA_G
 ClientSampled :
 P-02

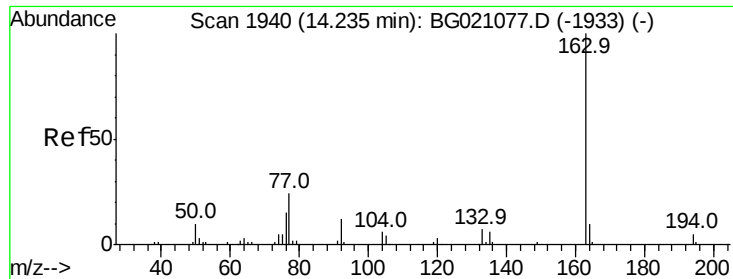
Tot Ion:330 Resp: 36432
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.0
 141 58.2 35.3 52.9#



#44
 2-Fluorobiphenyl
 Concen: 79.54 ng
 RT: 13.40 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BG021138.D
 Acq: 28 Feb 2016 6:09

Tgt Ion:172 Resp: 146488
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.6 19.8 29.8





#49

Dimethylphthalate

Concen: 13.90 ng

RT: 14.22 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampled :

P-02

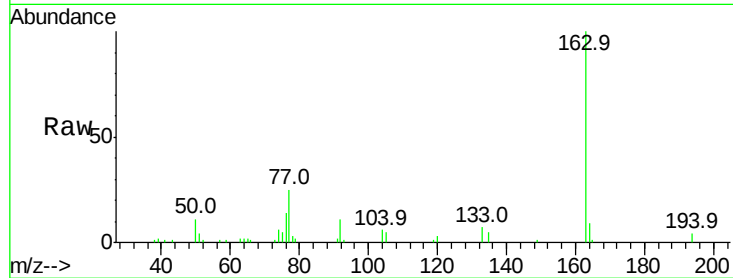
Tot Ion:163 Resp: 28231

Ion Ratio Lower Upper

163 100

194 4.1 2.8 4.2

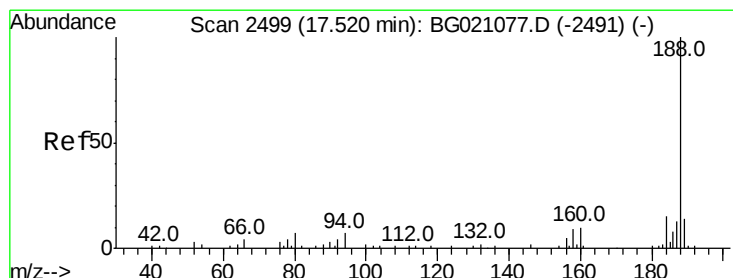
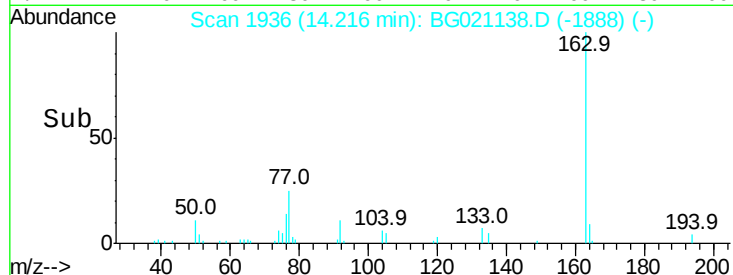
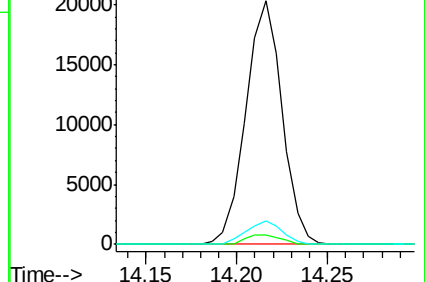
164 9.4 7.9 11.9



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: 17.51 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

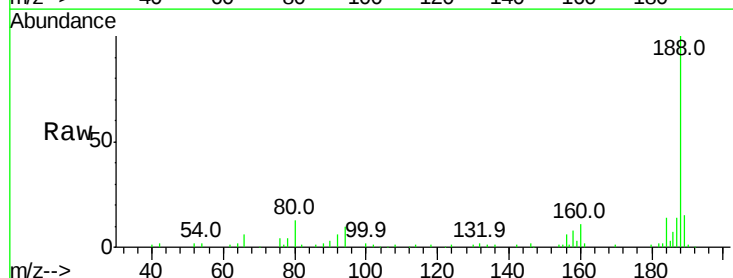
Tgt Ion:188 Resp: 59153

Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.4

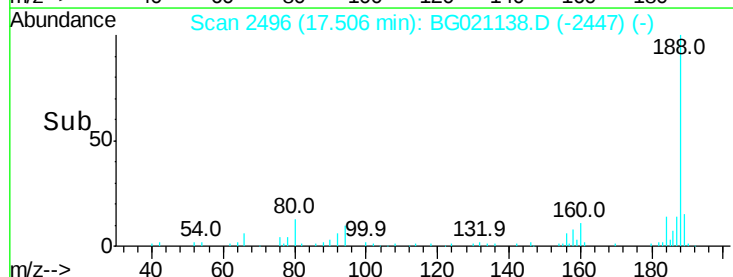
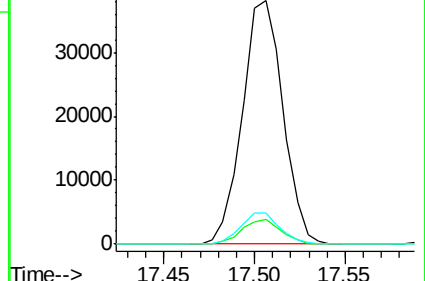
80 12.6 9.2 13.8

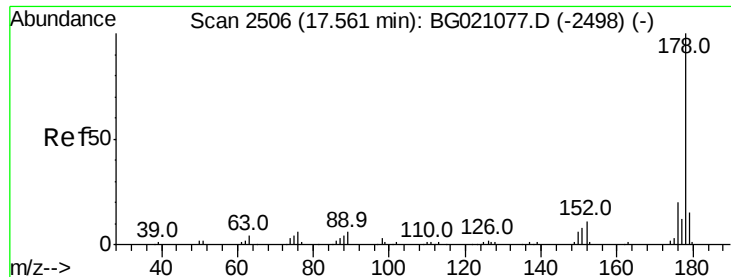


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.08 ng

RT: 17.55 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampleId :

P-02

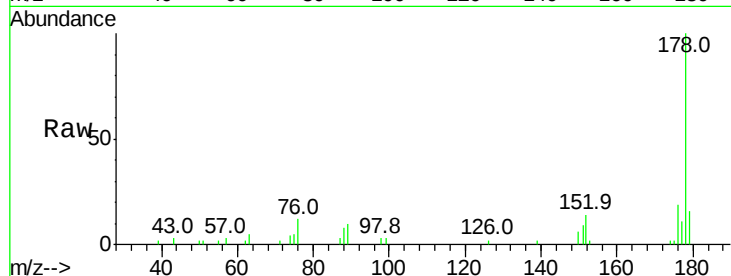
Tot Ion:178 Resp: 12990

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

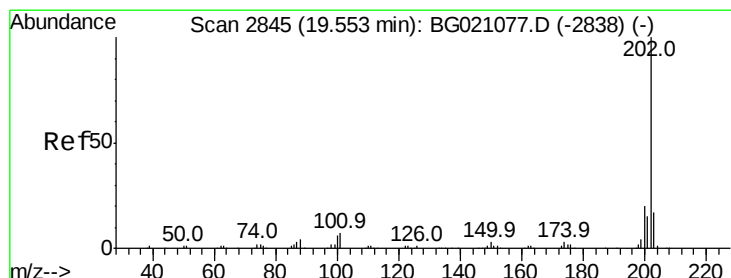
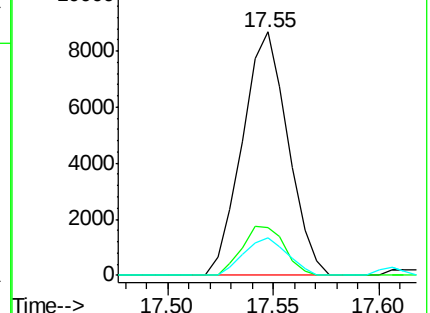
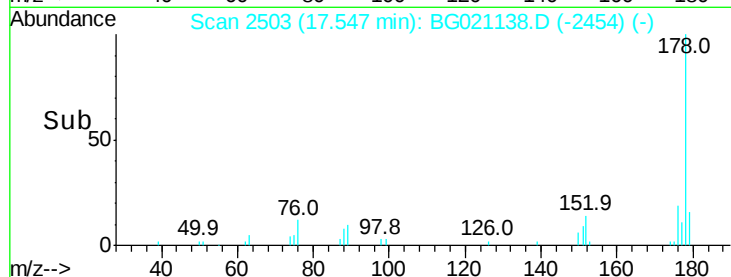
179 15.5 12.9 19.3



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



#74

Fluoranthene

Concen: 7.16 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

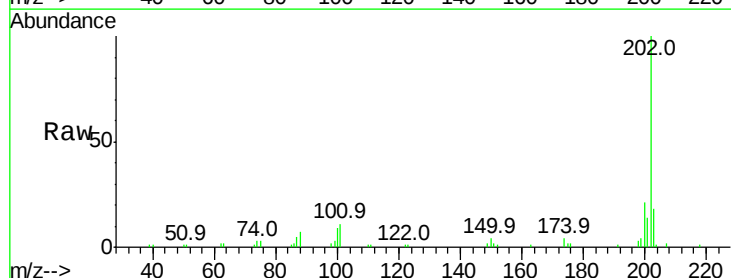
Tgt Ion:202 Resp: 28575

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.5

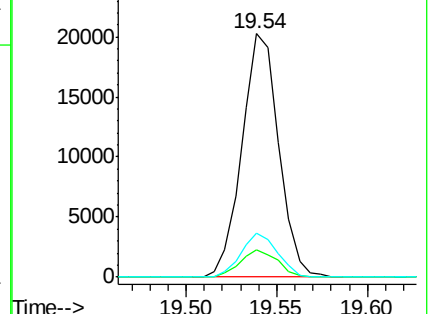
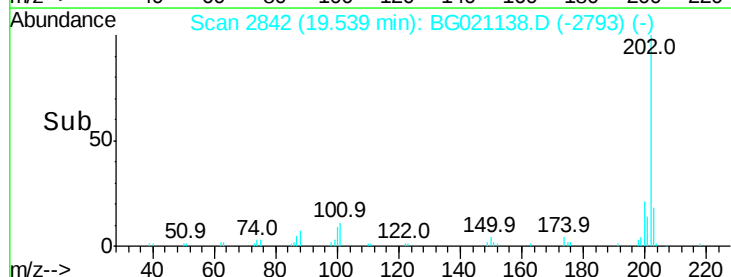
203 18.2 0.0 37.6

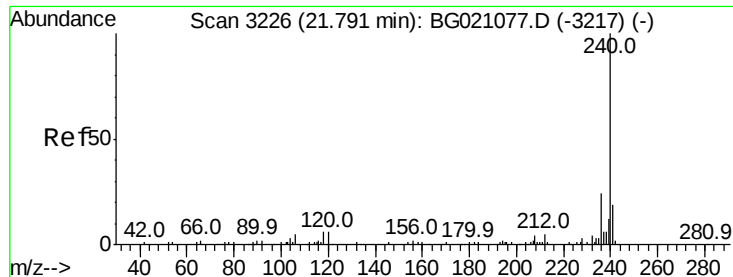


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3221

Delta R.T. -0.03 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampleId :

P-02

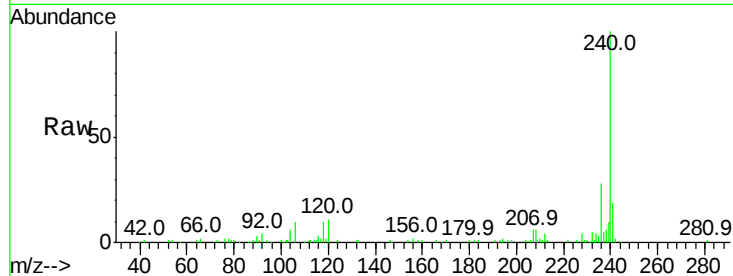
Tot Ion:240 Resp: 63722

Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

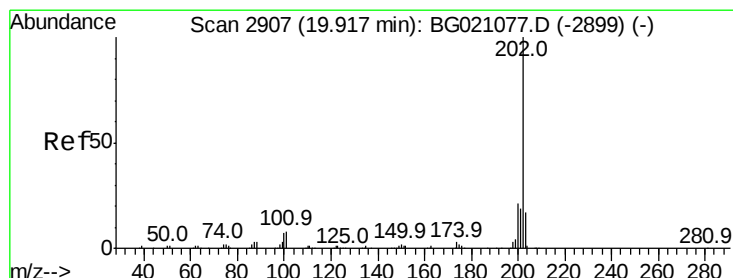
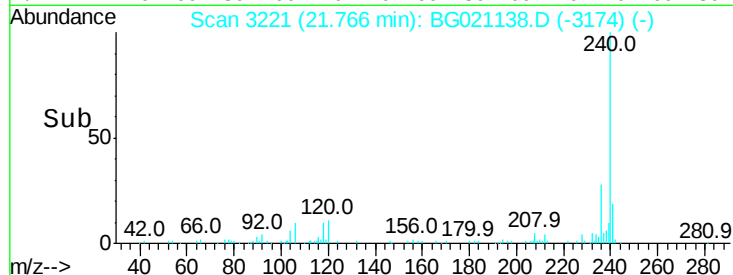
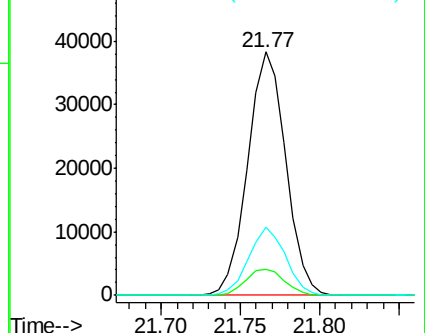
236 28.3 20.5 30.7



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: 6.96 ng

RT: 19.90 min Scan# 2903

Delta R.T. -0.02 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

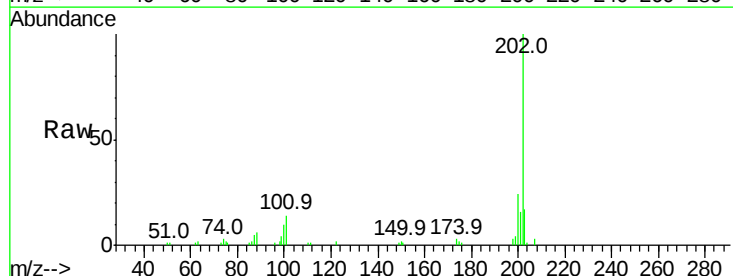
Tgt Ion:202 Resp: 24555

Ion Ratio Lower Upper

202 100

200 23.7 16.6 25.0

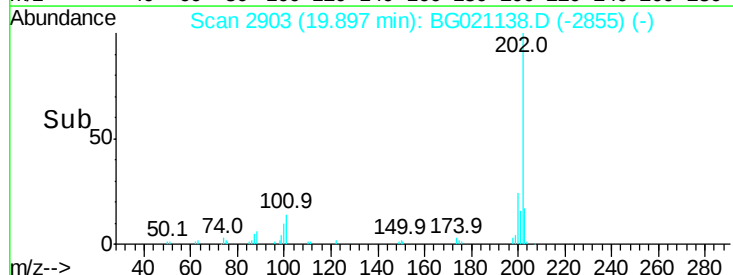
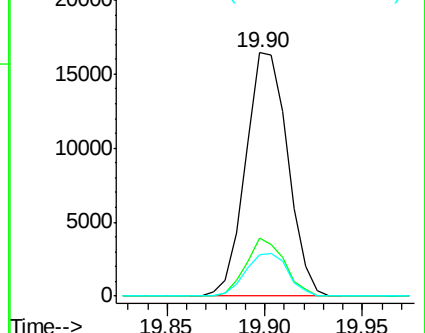
203 16.8 13.8 20.8

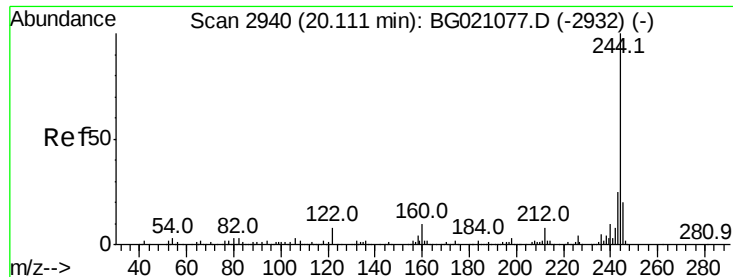


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.36 ng

RT: 20.10 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampleId :

P-02

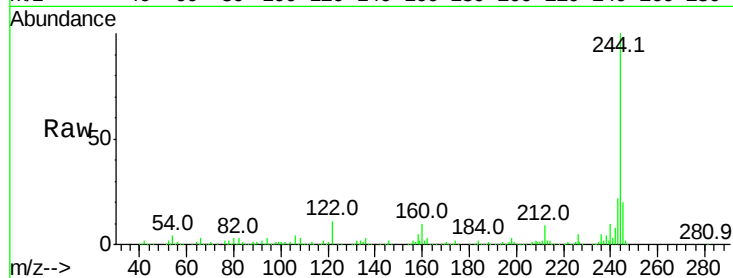
Tot Ion:244 Resp: 243643

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.6#

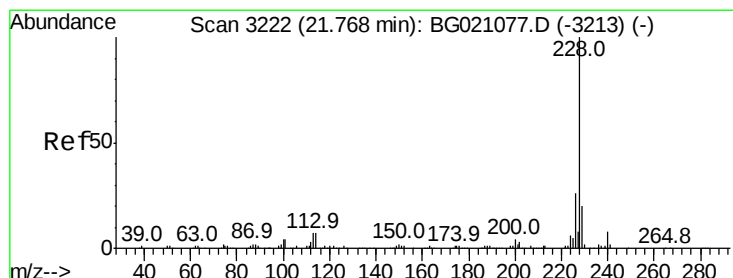
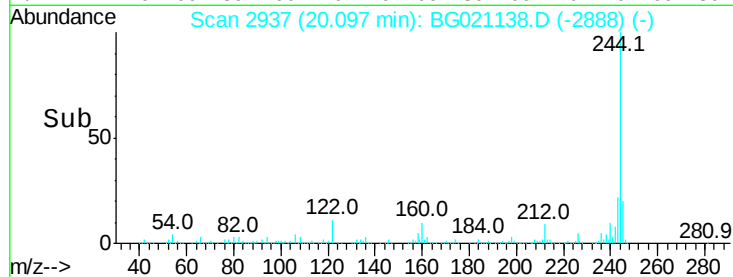
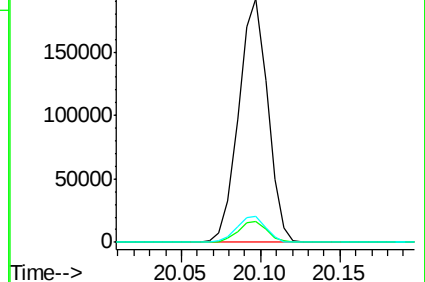
122 10.5 8.3 12.5



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: 2.15 ng

RT: 21.75 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

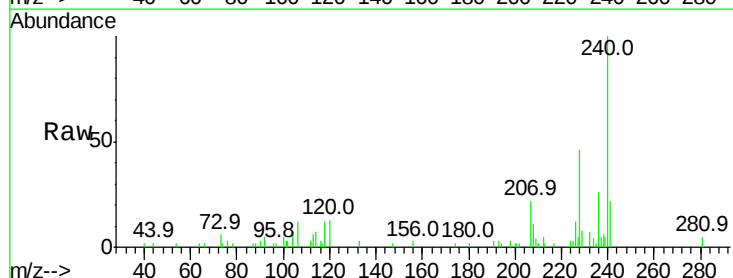
Tgt Ion:228 Resp: 7886

Ion Ratio Lower Upper

228 100

226 26.1 22.7 34.1

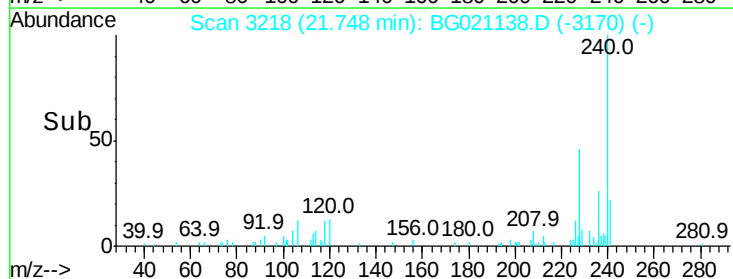
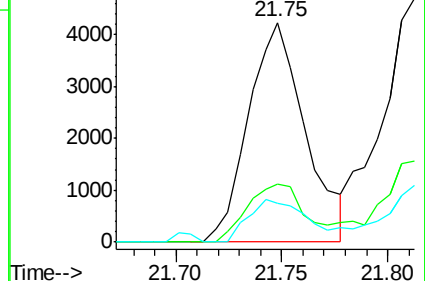
229 17.5 15.5 23.3

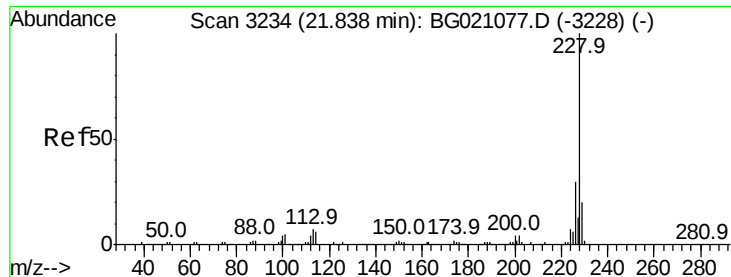


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.70 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampleId :

P-02

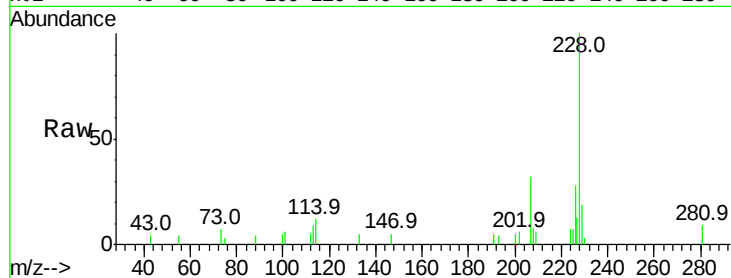
Tot Ion:228 Resp: 9539

Ion Ratio Lower Upper

228 100

226 27.6 23.7 35.5

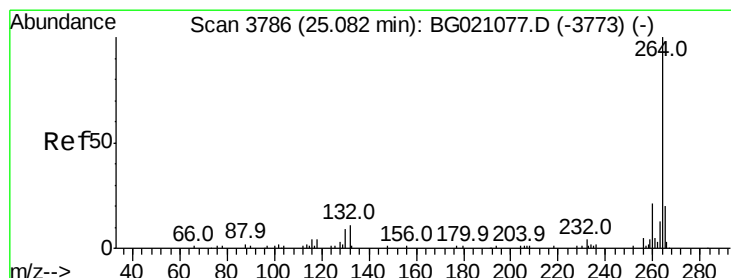
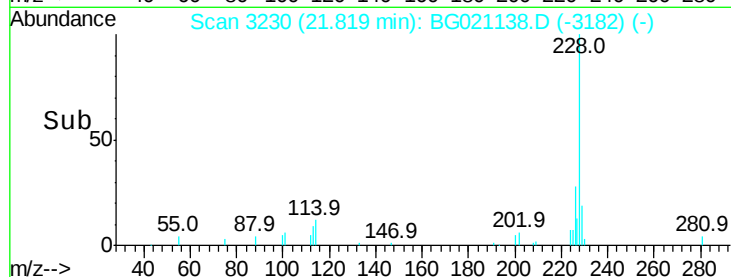
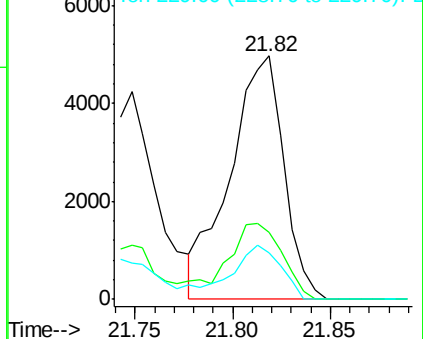
229 19.2 16.7 25.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.04 min Scan# 3779

Delta R.T. -0.04 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

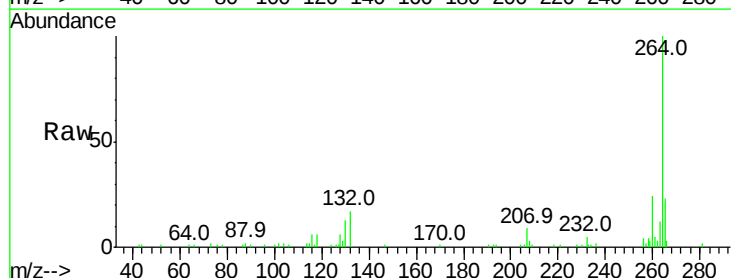
Tgt Ion:264 Resp: 59162

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

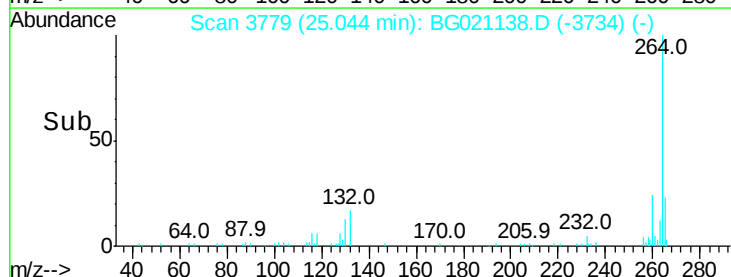
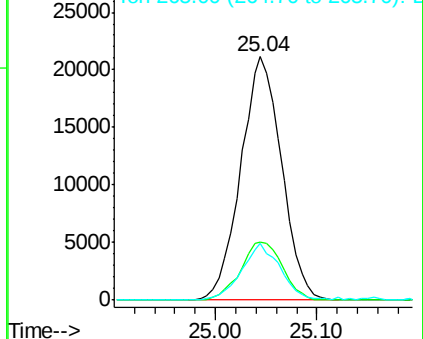
265 23.5 18.6 28.0

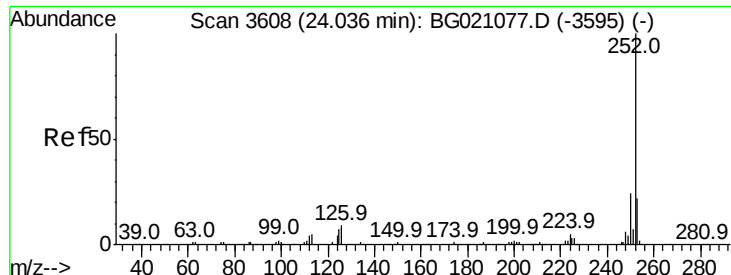


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

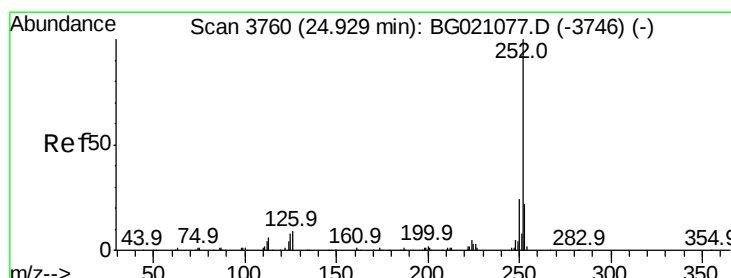
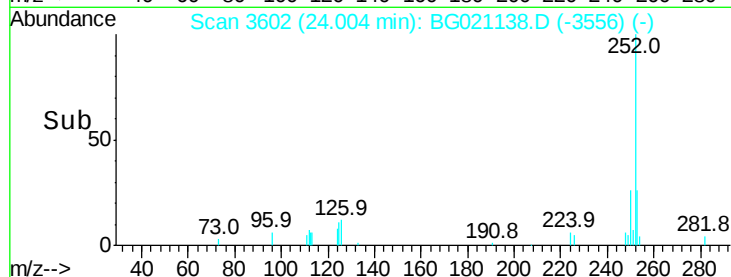
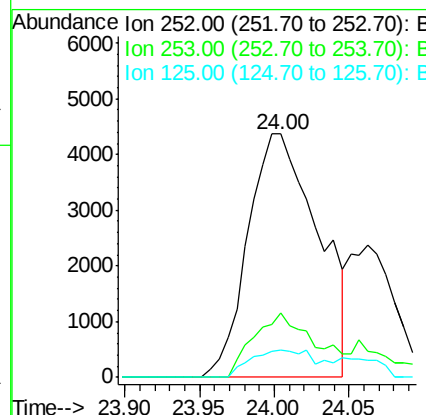
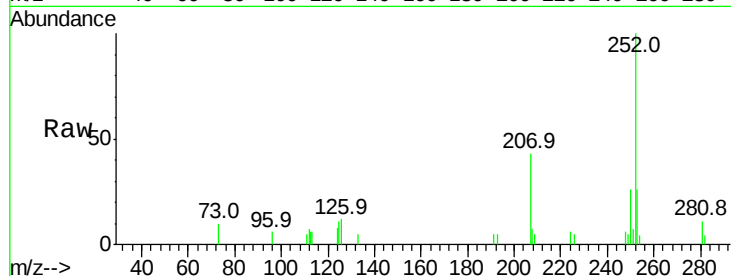




#87
Benzo(b)fluoranthene
Concen: 3.86 ng
RT: 24.00 min Scan# 3602
Delta R.T. -0.03 min
Lab File: BG021138.D
Acq: 28 Feb 2016 6:09

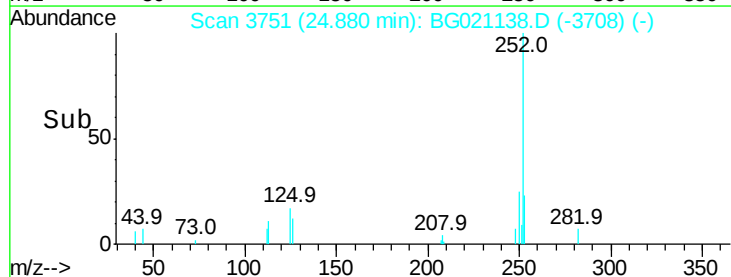
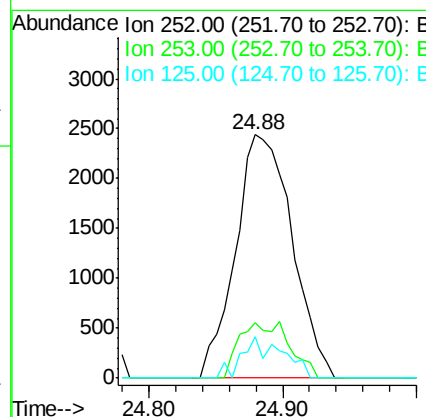
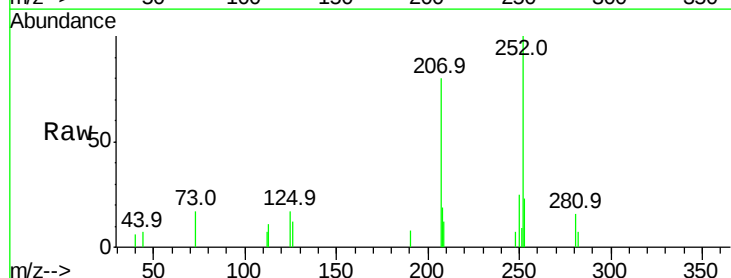
Instrument :
BNA_G
ClientSampleId :
P-02

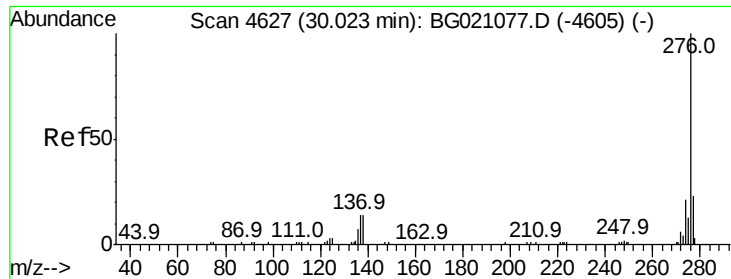
Tot Ion:252 Resp: 14287
Ion Ratio Lower Upper
252 100
253 26.2 16.8 25.2#
125 11.0 8.2 12.2



#89
Benzo(a)pyrene
Concen: 2.02 ng
RT: 24.88 min Scan# 3751
Delta R.T. -0.05 min
Lab File: BG021138.D
Acq: 28 Feb 2016 6:09

Tgt Ion:252 Resp: 7176
Ion Ratio Lower Upper
252 100
253 22.9 15.8 23.8
125 17.2 8.4 12.6#





#91

Benzo(a,h,i)perylene

Concen: 2.18 ng

RT: 29.94 min Scan# 4612

Delta R.T. -0.08 min

Lab File: BG021138.D

Acq: 28 Feb 2016 6:09

Instrument :

BNA_G

ClientSampleId :

P-02

Tot Ion:276 Resp: 7503

Ion Ratio Lower Upper

276 100

277 17.6 16.6 25.0

138 24.8 14.6 21.8#

