

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022216\
 Data File : BG021027.D
 Acq On : 22 Feb 2016 23:39
 Operator : UM/SJ
 Sample : H1554-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EVTP2

Quant Time: Feb 23 05:51:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 22 23:59:16 2016
 Response via : Initial Calibration

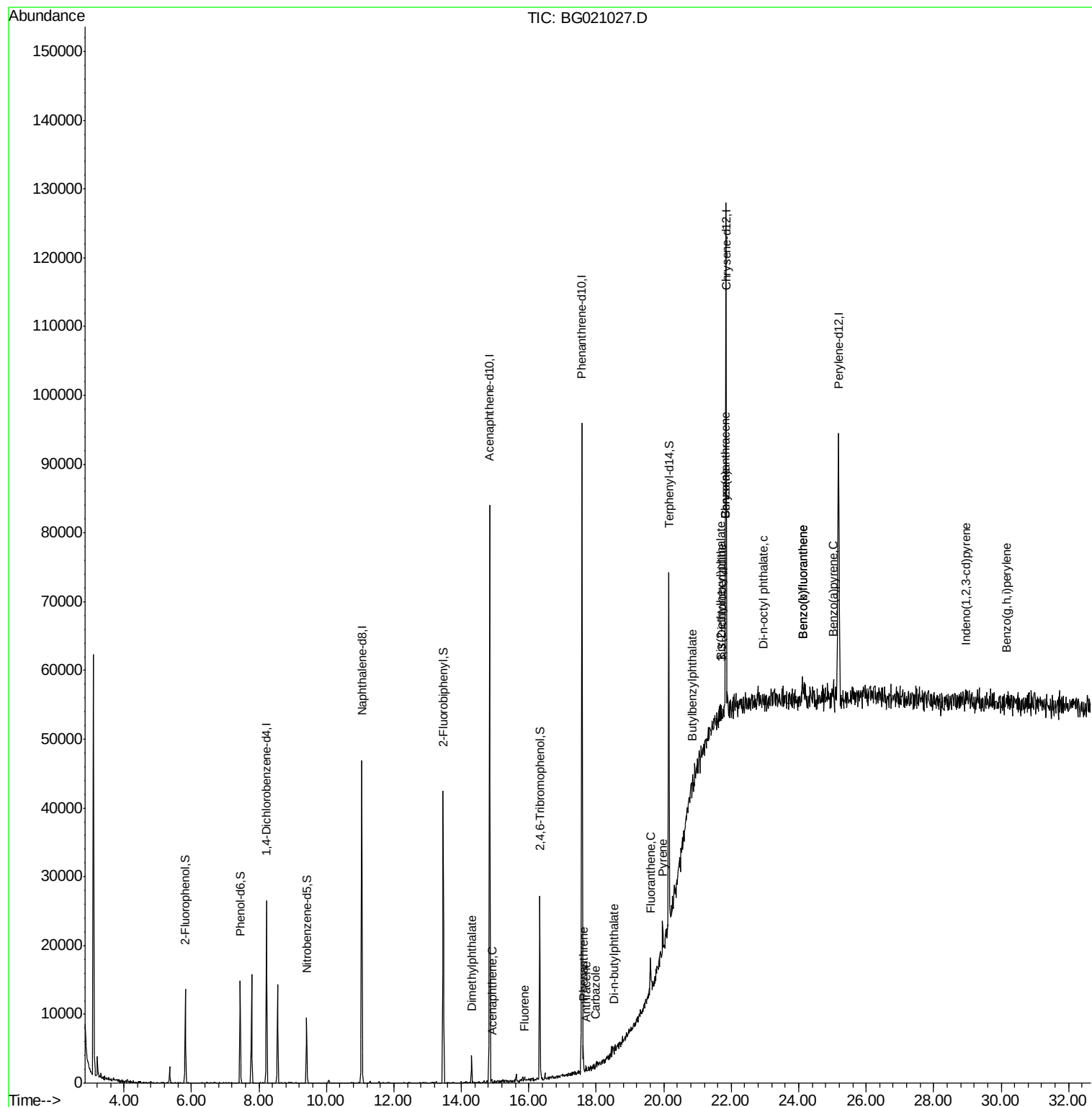
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	9139	20.00	ng	-0.01
21) Naphthalene-d8	11.05	136	47801	20.00	ng	-0.01
38) Acenaphthene-d10	14.84	164	30398	20.00	ng	-0.01
63) Phenanthrene-d10	17.57	188	62175	20.00	ng	-0.01
75) Chrysene-d12	21.84	240	44263	20.00	ng	-0.02
86) Perylene-d12	25.17	264	42387	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.82	112	8357	17.20	ng	-0.03
7) Phenol-d6	7.45	99	12255	17.60	ng	-0.04
23) Nitrobenzene-d5	9.41	82	6756	10.47	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	7055	17.03	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	25334	11.64	ng	-0.02
78) Terphenyl-d14	20.15	244	24162	10.30	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.31	163	3839	1.53	ng	# 93
51) Acenaphthene	14.90	154	121	0.06	ng	# 73
57) Fluorene	15.88	166	353	0.14	ng	# 89
70) Phenanthrene	17.61	178	2908	0.83	ng	# 92
71) Anthracene	17.71	178	636	0.18	ng	# 60
72) Carbazole	17.99	167	133	0.05	ng	# 57
73) Di-n-butylphthalate	18.51	149	62	0.02	ng	# 78
74) Fluoranthene	19.61	202	3703	1.28	ng	96
77) Pyrene	19.96	202	3179	0.94	ng	97
79) Butylbenzylphthalate	20.84	149	63	0.05	ng	# 30
80) Benzo(a)anthracene	21.82	228	1733	0.66	ng	95
81) 3,3'-Dichlorobenzidine	21.71	252	61	0.06	ng	# 25
82) Chrysene	21.82	228	1733	0.70	ng	98
83) Bis(2-ethylhexyl)phthalate	21.69	149	561	0.33	ng	# 55
84) Di-n-octyl phthalate	22.94	149	172	0.06	ng	# 1
85) Indeno(1,2,3-cd)pyrene	28.97	276	1274	0.42	ng	# 54
87) Benzo(b)fluoranthene	24.12	252	2564	1.02	ng	# 70
88) Benzo(k)fluoranthene	24.12	252	2564	1.04	ng	# 67
89) Benzo(a)pyrene	25.01	252	2195	0.90	ng	# 77
91) Benzo(g,h,i)perylene	30.15	276	554	0.23	ng	# 55

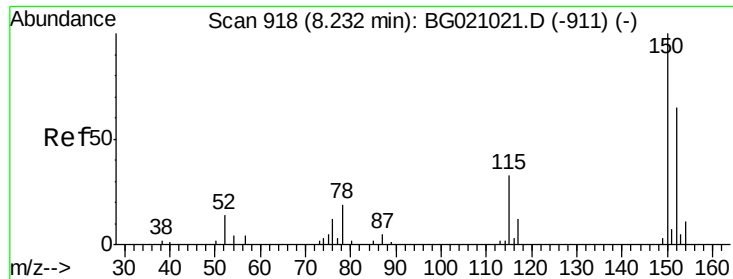
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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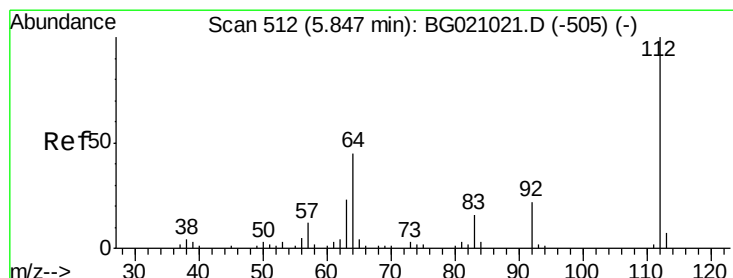
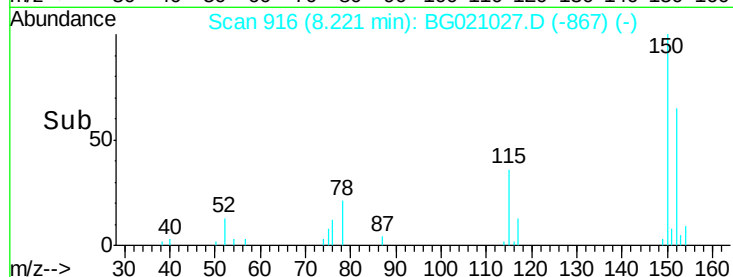
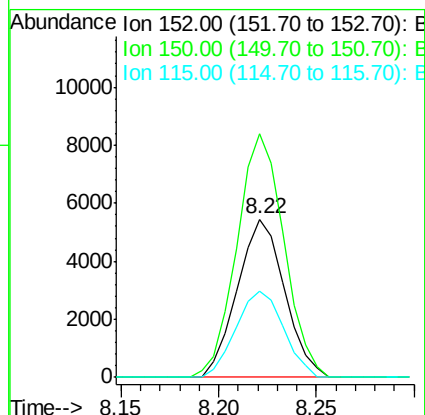
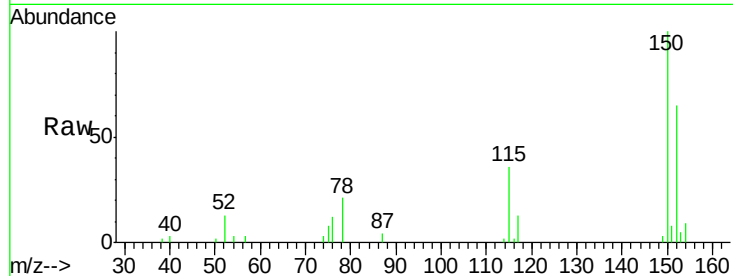


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 916
Delta R.T. -0.01 min
Lab File: BG021027.D
Acq: 22 Feb 2016 23:39

Instrument :
BNA_G
ClientSampleId :
EVTP2

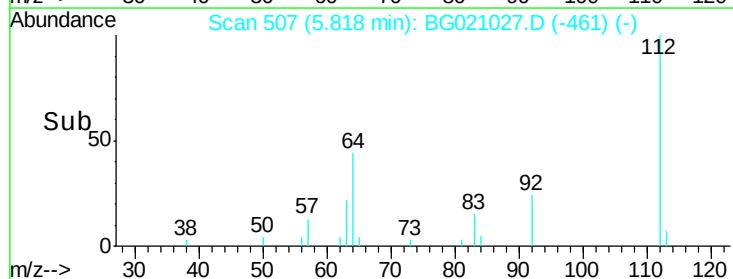
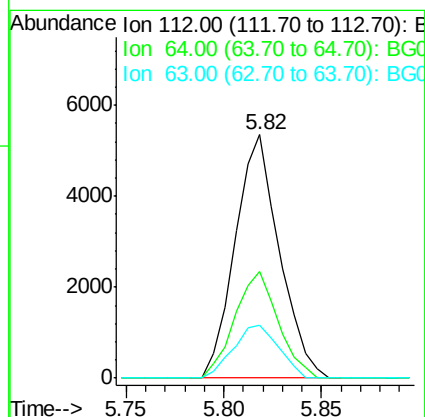
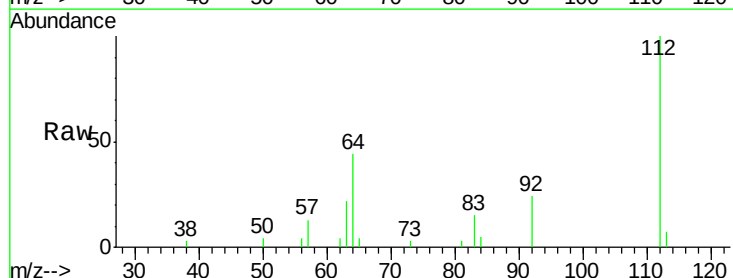
Tgt Ion:152 Resp: 9139
Ion Ratio Lower Upper
152 100
150 153.9 122.5 183.7
115 54.7 40.1 60.1

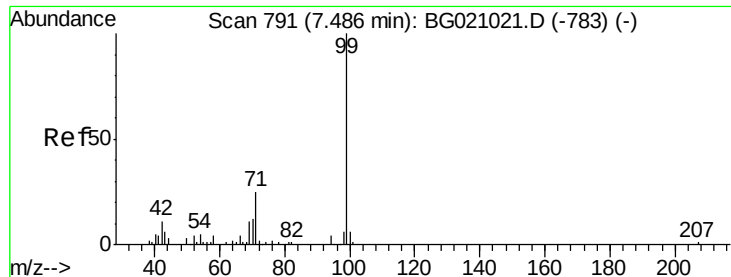


#5

2-Fluorophenol
Concen: 17.20 ng
RT: 5.82 min Scan# 507
Delta R.T. -0.03 min
Lab File: BG021027.D
Acq: 22 Feb 2016 23:39

Tgt Ion:112 Resp: 8357
Ion Ratio Lower Upper
112 100
64 43.6 35.8 53.8
63 21.9 18.6 27.8





#7

Phenol-d6

Concen: 17.60 ng

RT: 7.45 min Scan# 784

Delta R.T. -0.04 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

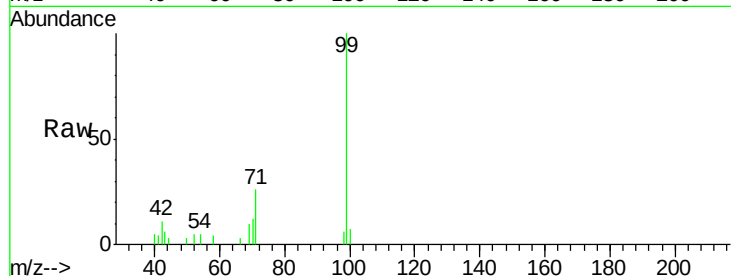
Tgt Ion: 99 Resp: 12255

Ion Ratio Lower Upper

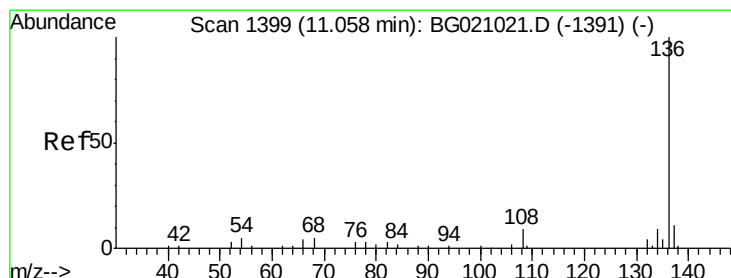
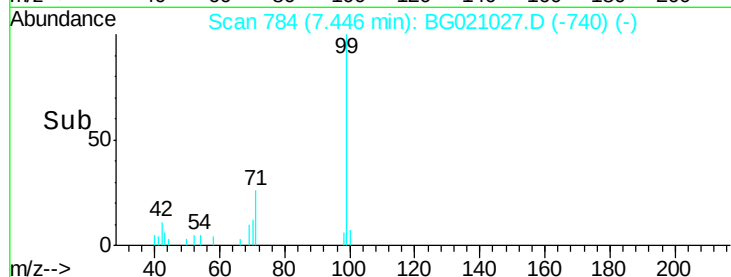
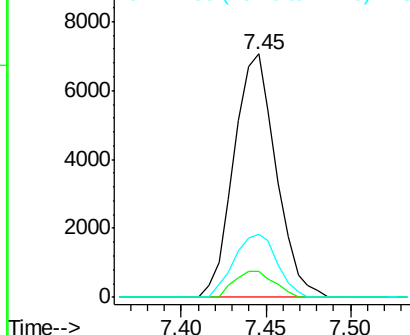
99 100

42 10.9 8.6 13.0

71 25.8 20.1 30.1



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: 11.05 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Tgt Ion: 136 Resp: 47801

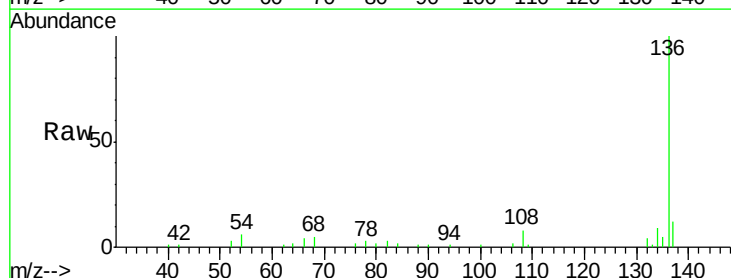
Ion Ratio Lower Upper

136 100

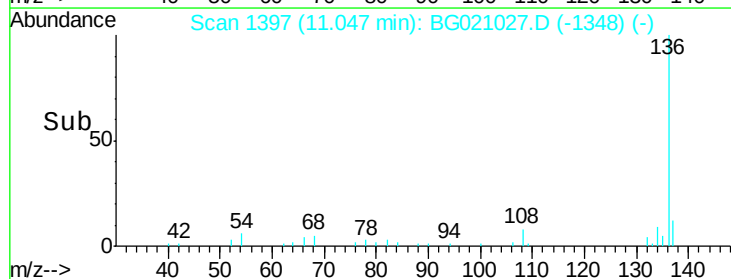
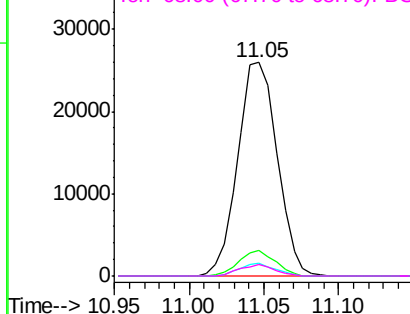
137 11.8 9.0 13.4

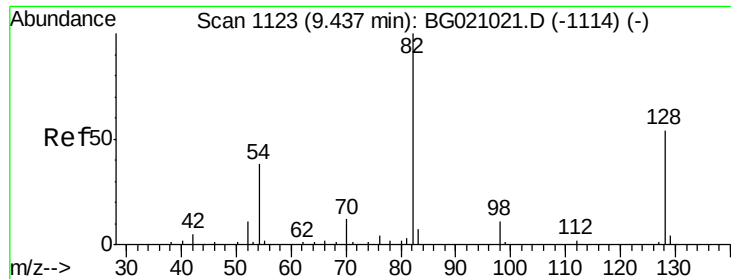
54 5.7 4.2 6.2

68 5.4 4.3 6.5



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

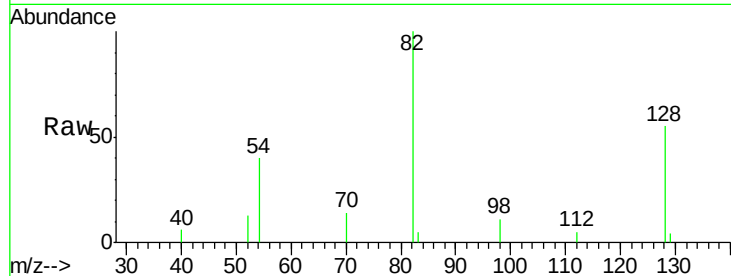




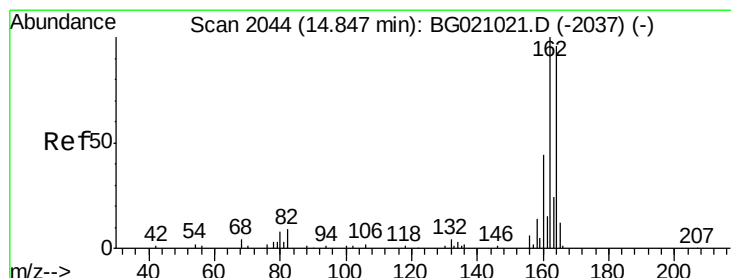
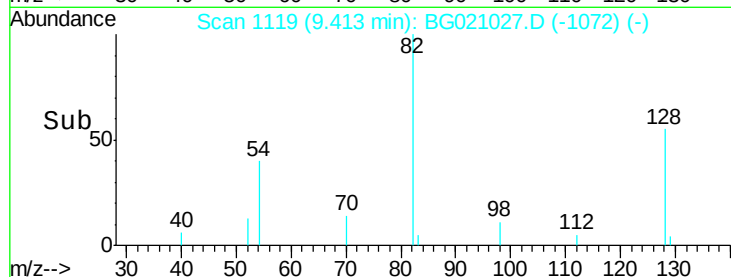
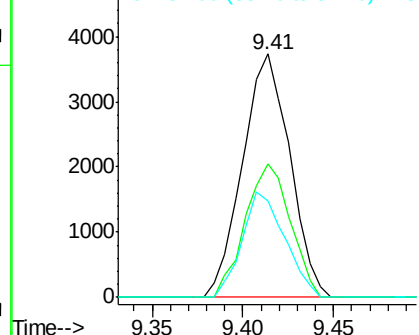
#23
 Nitrobenzene-d5
 Concen: 10.47 ng
 RT: 9.41 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Instrument :
 BNA_G
 ClientSampleID :
 EVTP2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.0	43.4	65.0
54	39.7	30.1	45.1

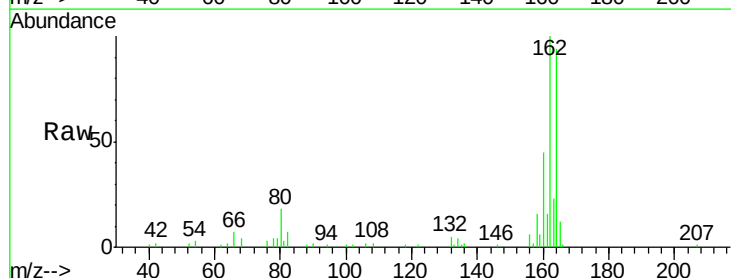


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

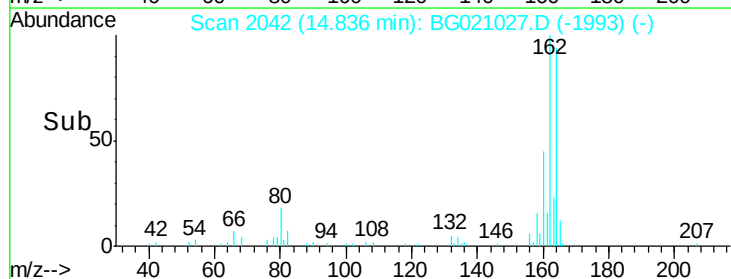
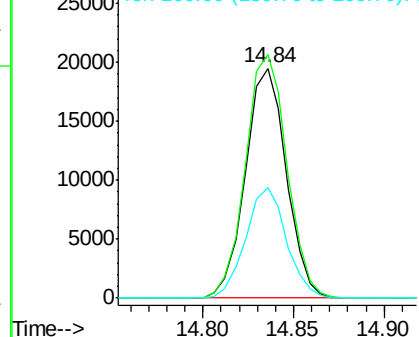


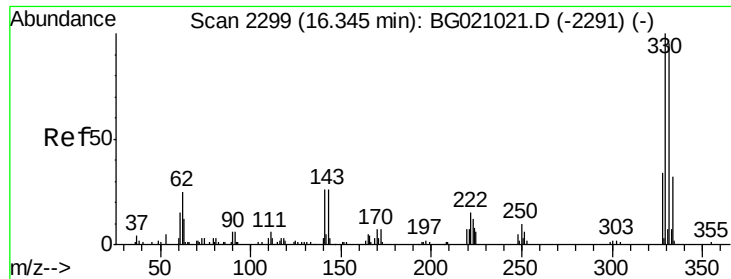
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.84 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.4	125.2
160	48.0	37.0	55.4



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

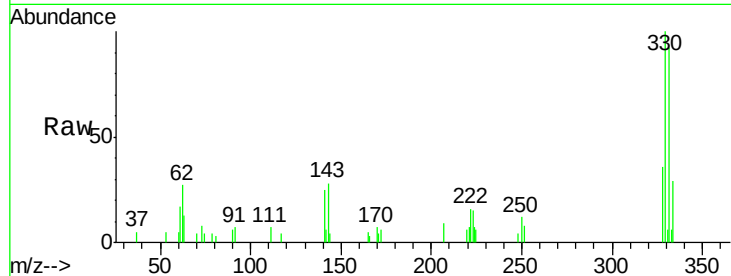




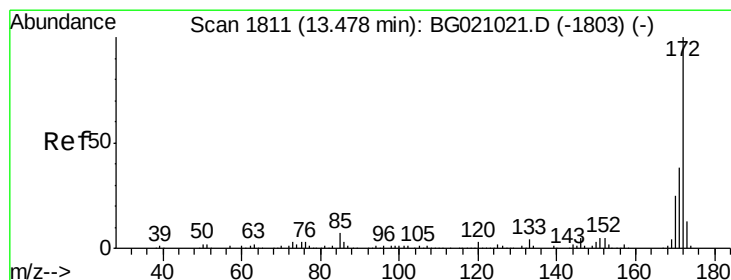
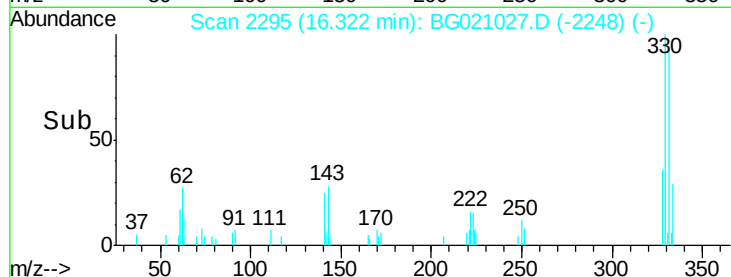
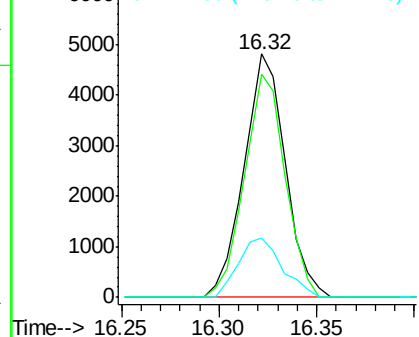
#41
 2,4,6-Tribromophenol
 Concen: 17.03 ng
 RT: 16.32 min Scan# 2295
 Delta R.T. -0.02 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Instrument :
 BNA_G
 ClientSampleId :
 EVTP2

Tgt Ion:330 Resp: 7055
 Ion Ratio Lower Upper
 330 100
 332 90.1 77.0 115.4
 141 25.9 23.5 35.3

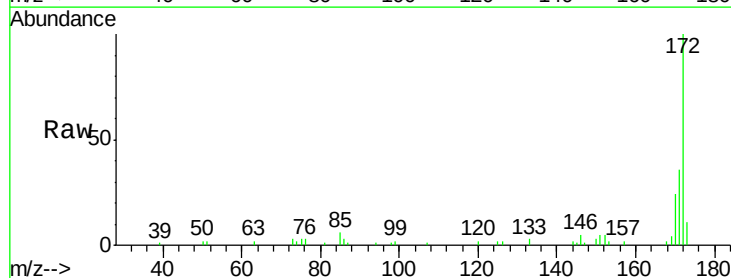


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

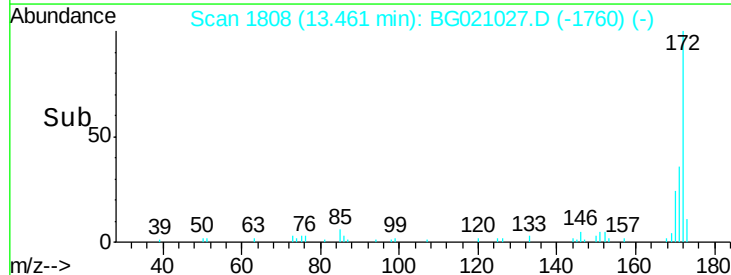
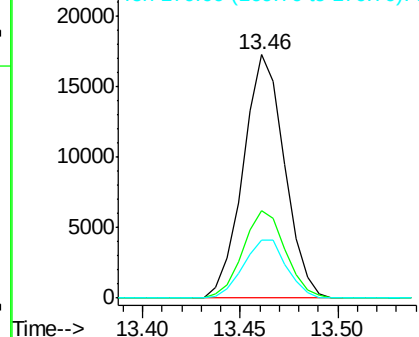


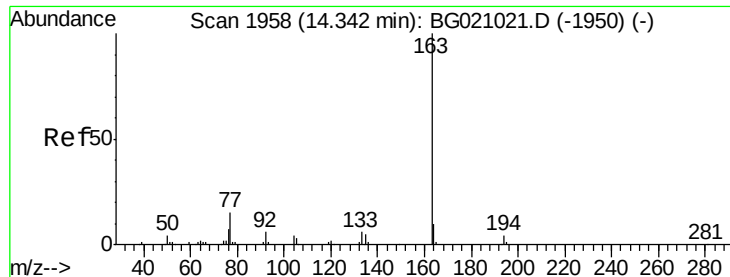
#44
 2-Fluorobiphenyl
 Concen: 11.64 ng
 RT: 13.46 min Scan# 1808
 Delta R.T. -0.02 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Tgt Ion:172 Resp: 25334
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.3 45.5
 170 23.7 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: 1.53 ng

RT: 14.31 min Scan# 1952

Delta R.T. -0.03 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

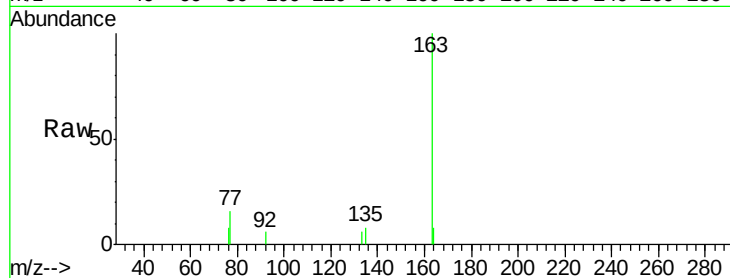
Tgt Ion:163 Resp: 3839

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

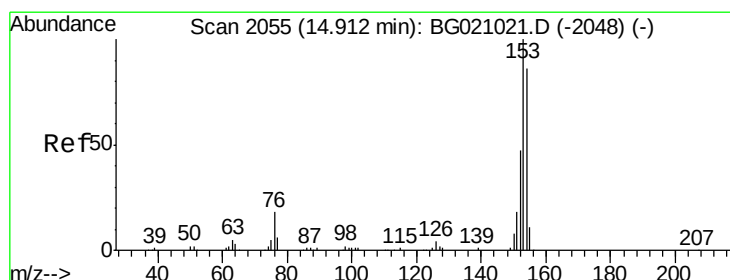
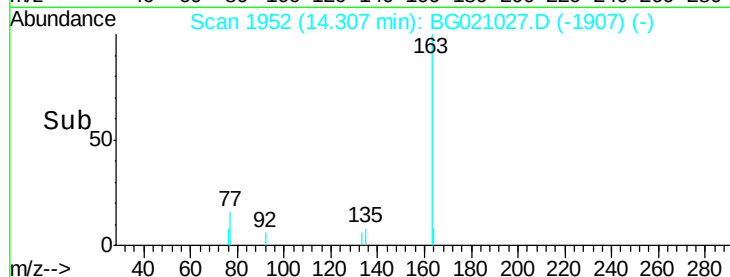
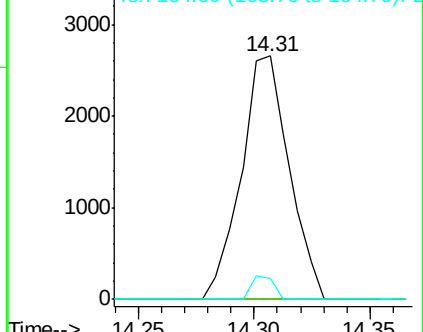
164 8.4 8.1 12.1



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



#51

Acenaphthene

Concen: 0.06 ng

RT: 14.90 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

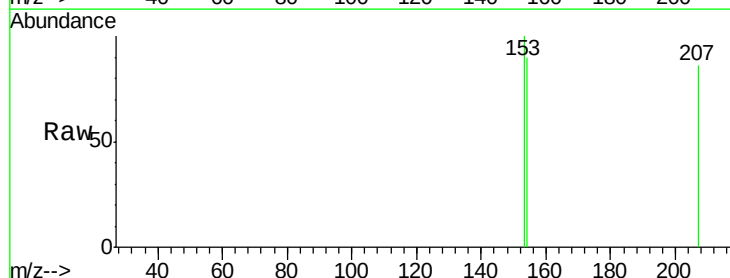
Tgt Ion:154 Resp: 121

Ion Ratio Lower Upper

154 100

153 111.3 93.4 140.0

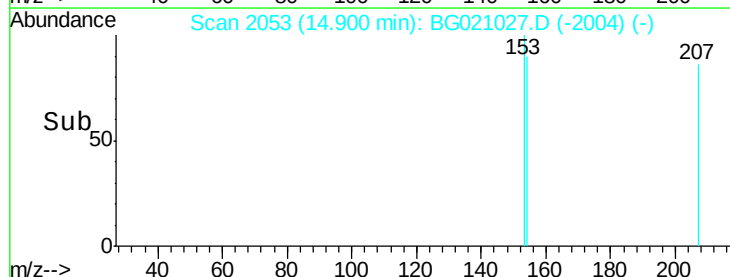
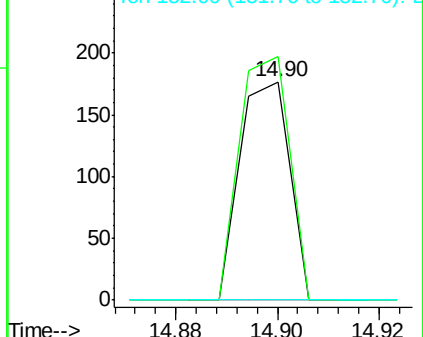
152 0.0 43.4 65.2#

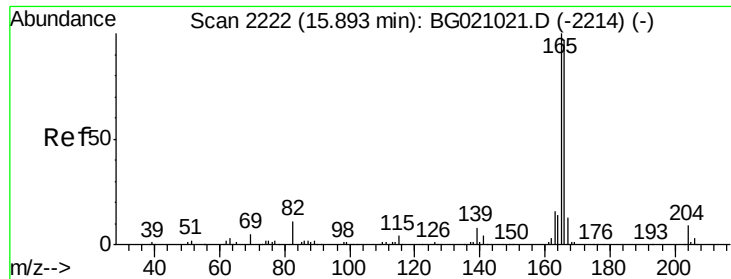


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 0.14 ng

RT: 15.88 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

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ClientSampleId :

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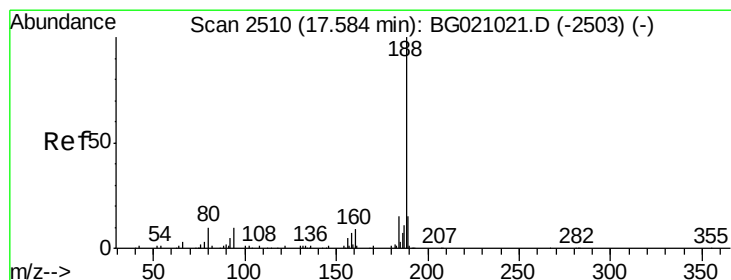
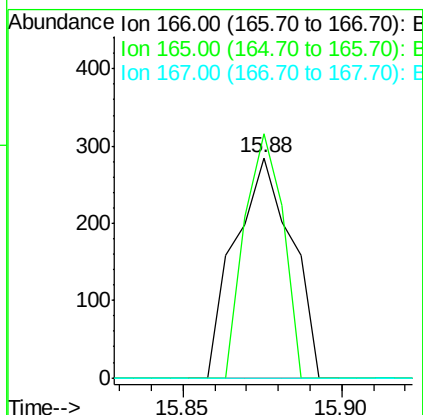
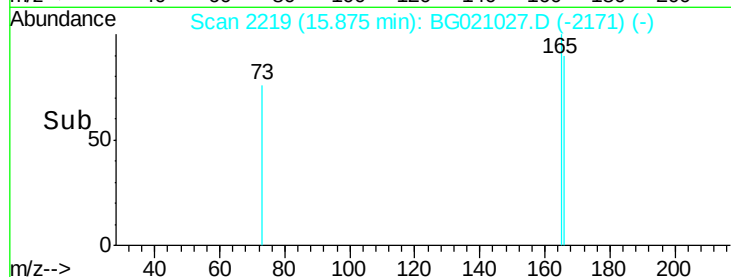
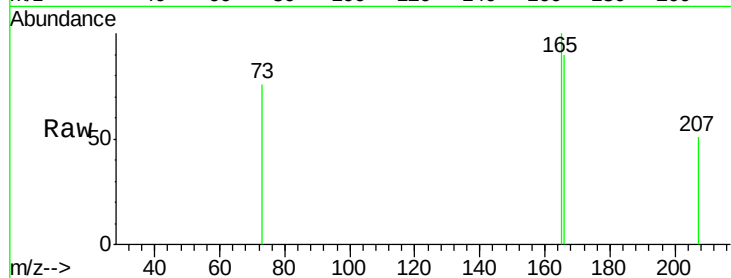
Tgt Ion:166 Resp: 353

Ion Ratio Lower Upper

166 100

165 110.9 82.2 123.4

167 0.0 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. -0.01 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

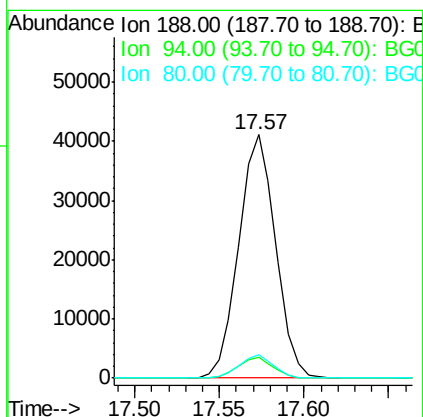
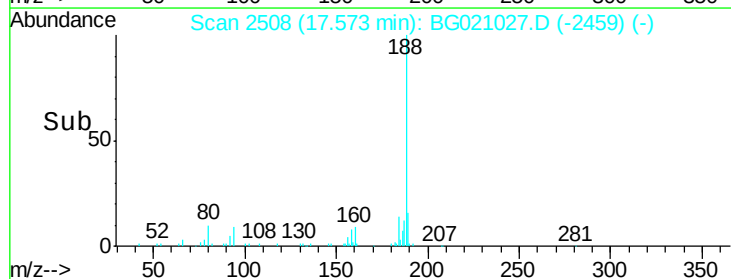
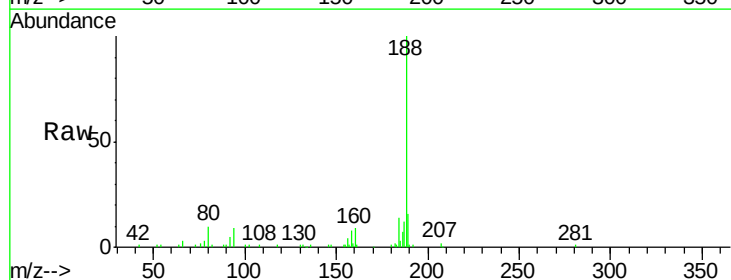
Tgt Ion:188 Resp: 62175

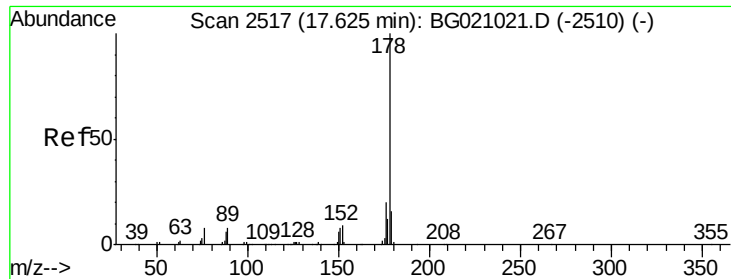
Ion Ratio Lower Upper

188 100

94 8.8 7.9 11.9

80 9.7 8.2 12.4





#70

Phenanthrene

Concen: 0.83 ng

RT: 17.61 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

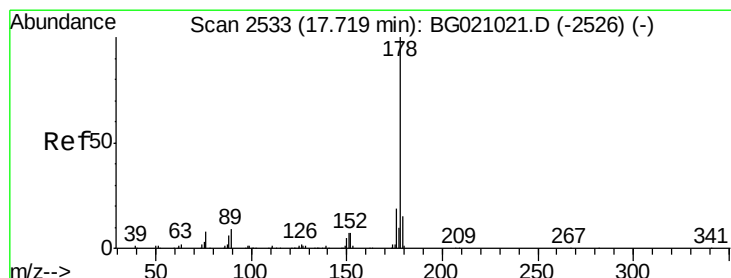
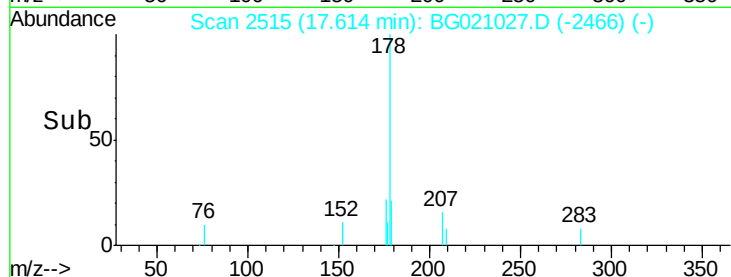
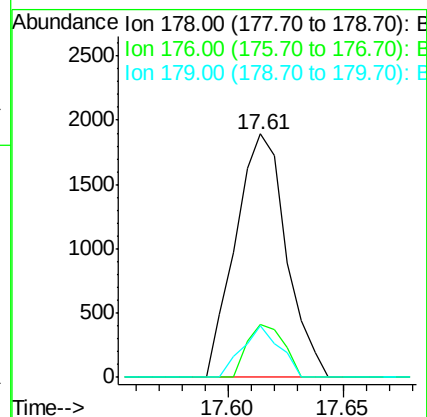
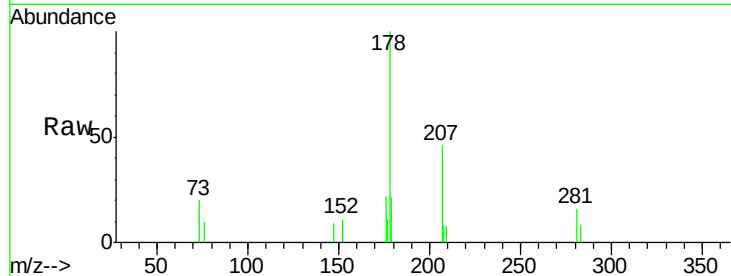
Tgt Ion:178 Resp: 2908

Ion Ratio Lower Upper

178 100

176 21.6 15.7 23.5

179 21.1 12.5 18.7#



#71

Anthracene

Concen: 0.18 ng

RT: 17.71 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

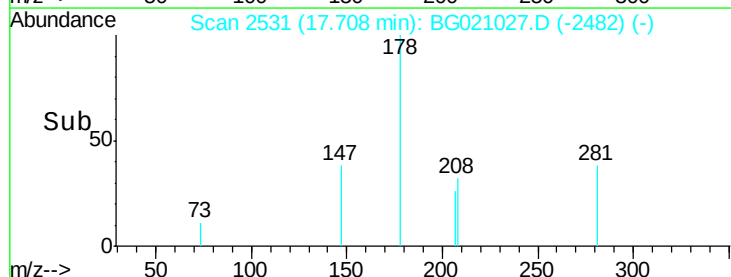
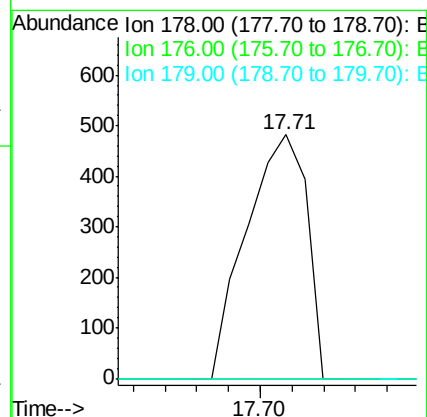
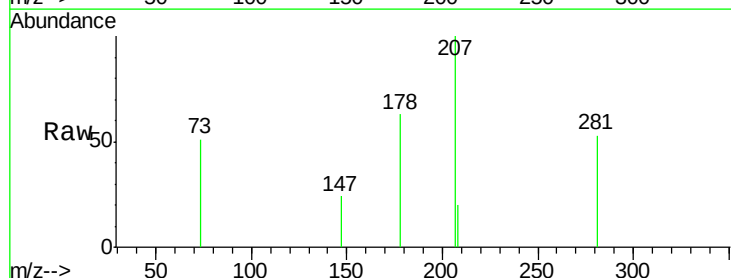
Tgt Ion:178 Resp: 636

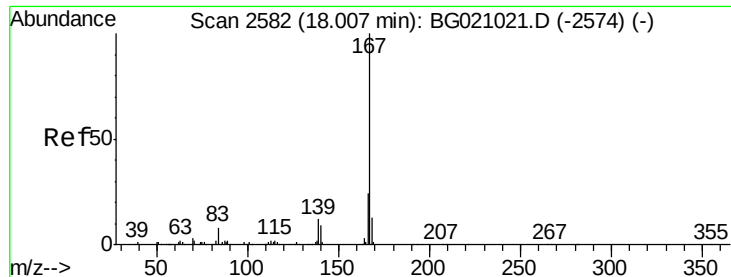
Ion Ratio Lower Upper

178 100

176 0.0 15.6 23.4#

179 0.0 12.1 18.1#





#72

Carbazole

Concen: 0.05 ng

RT: 17.99 min Scan# 2579

Delta R.T. -0.02 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

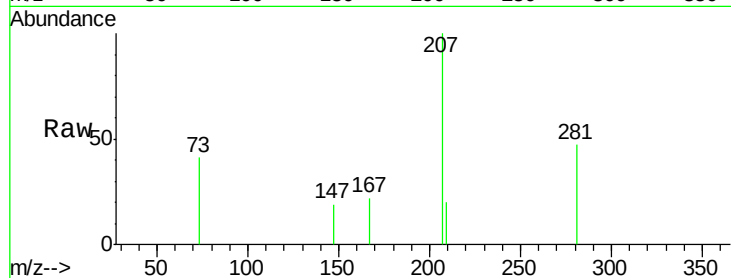
Tgt Ion:167 Resp: 133

Ion Ratio Lower Upper

167 100

166 0.0 19.4 29.0#

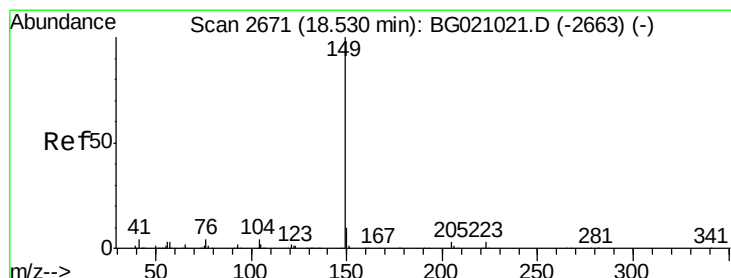
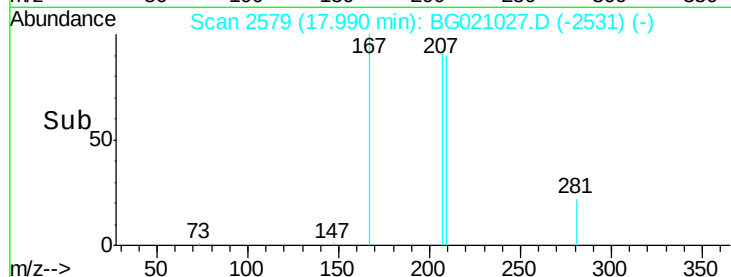
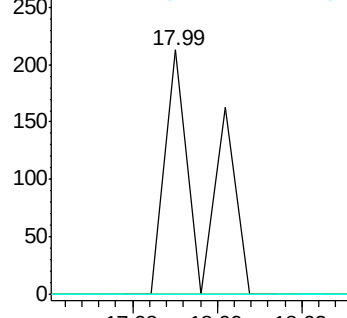
139 0.0 9.8 14.8#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.02 ng

RT: 18.51 min Scan# 2667

Delta R.T. -0.02 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

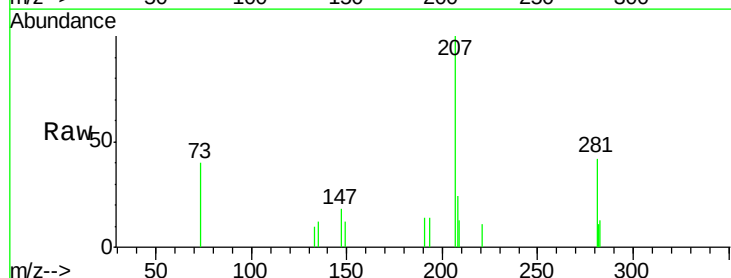
Tgt Ion:149 Resp: 62

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

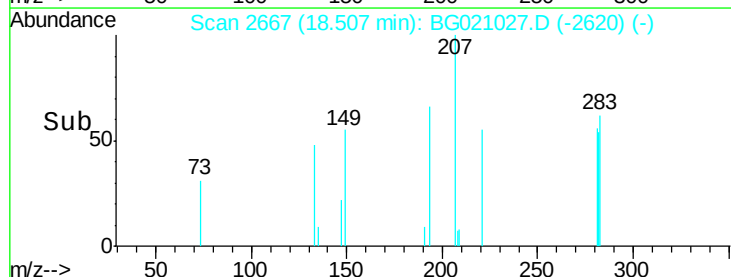
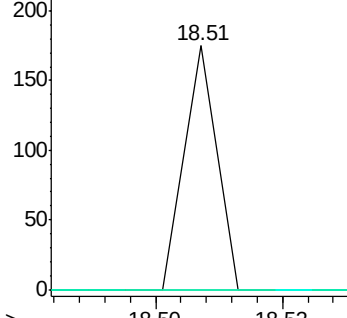
104 0.0 3.4 5.2#

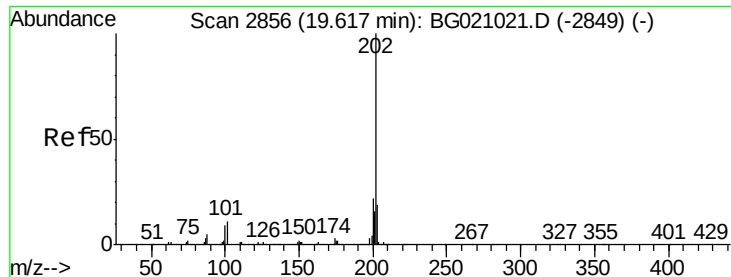


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 1.28 ng

RT: 19.61 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

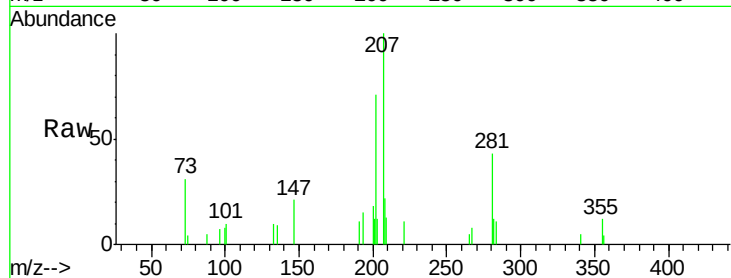
Tgt Ion: 202 Resp: 3703

Ion Ratio Lower Upper

202 100

101 14.3 0.0 30.9

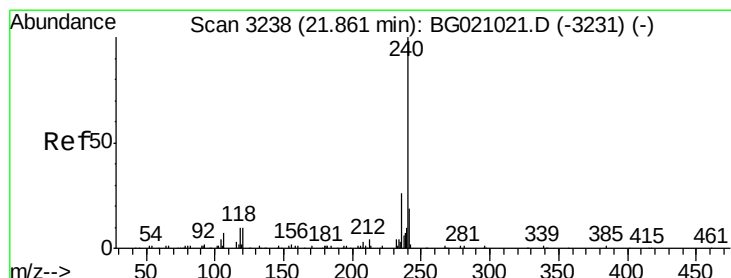
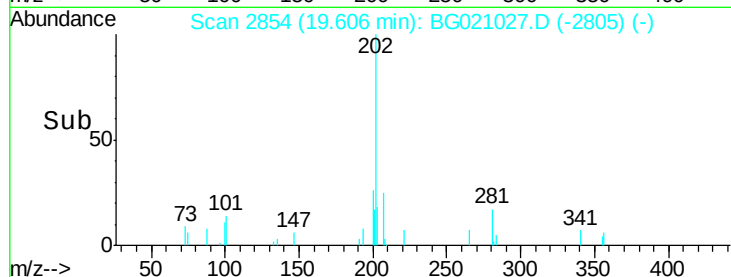
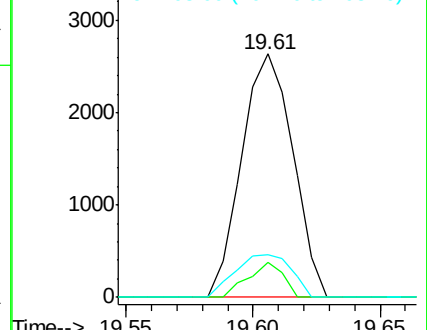
203 17.7 0.0 38.5



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: 21.84 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

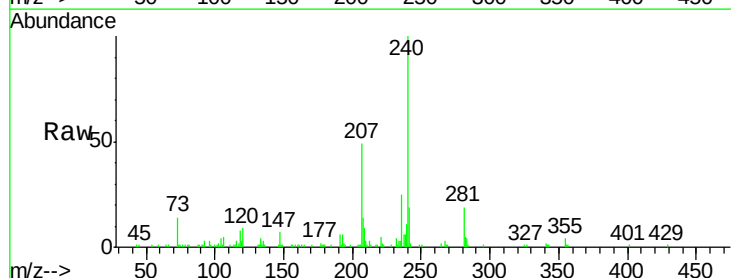
Tgt Ion: 240 Resp: 44263

Ion Ratio Lower Upper

240 100

120 8.5 8.3 12.5

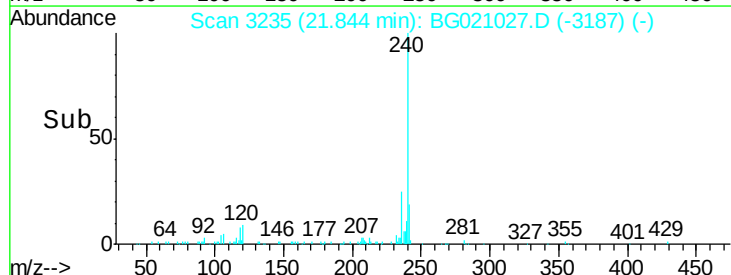
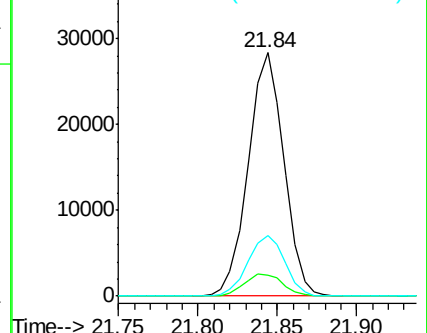
236 25.1 21.2 31.8

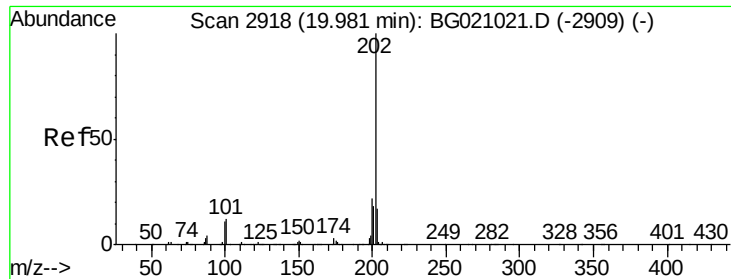


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

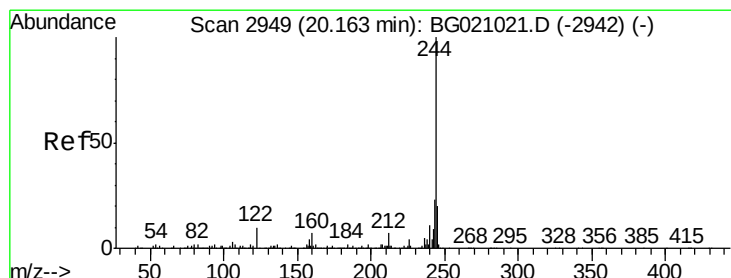
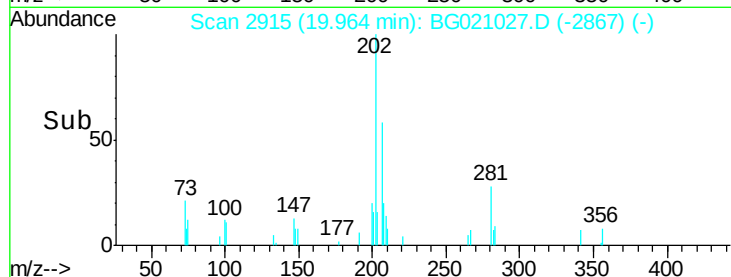
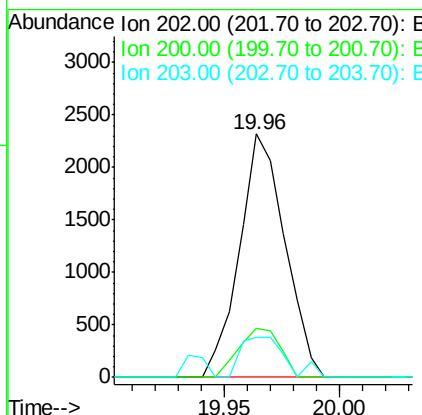
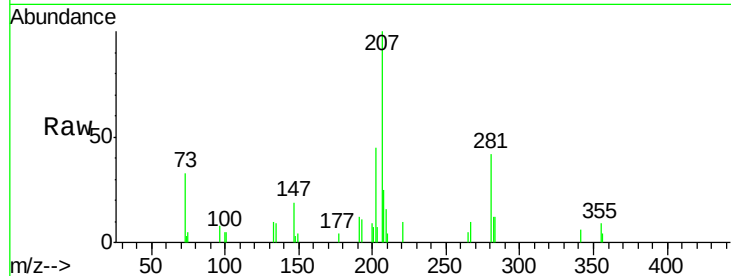




#77
 Pyrene
 Concen: 0.94 ng
 RT: 19.96 min Scan# 2915
 Delta R.T. -0.02 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

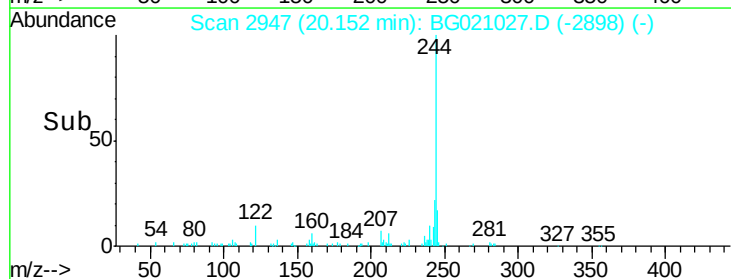
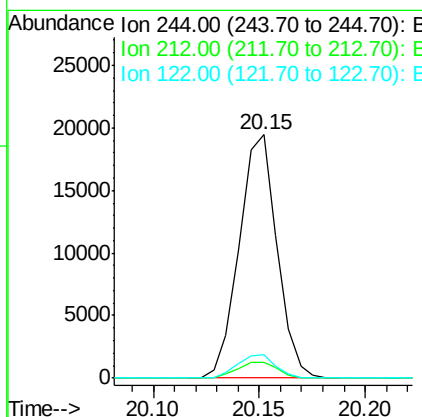
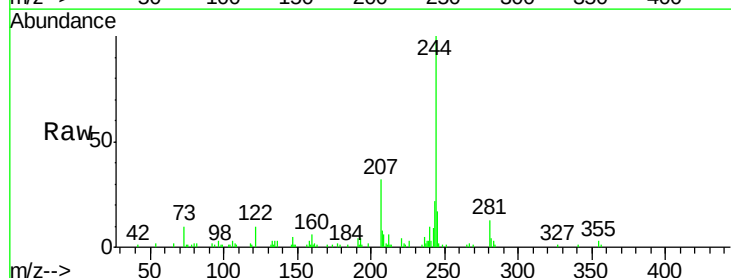
Instrument :
 BNA_G
 ClientSampleId :
 EVTP2

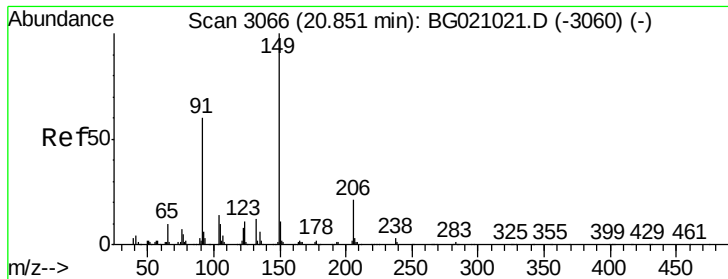
Tgt Ion:	202	Resp:	3179
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	16.2	13.7	20.5



#78
 Terphenyl-d14
 Concen: 10.30 ng
 RT: 20.15 min Scan# 2947
 Delta R.T. -0.01 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Tgt Ion:	244	Resp:	24162
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	9.6	7.9	11.9

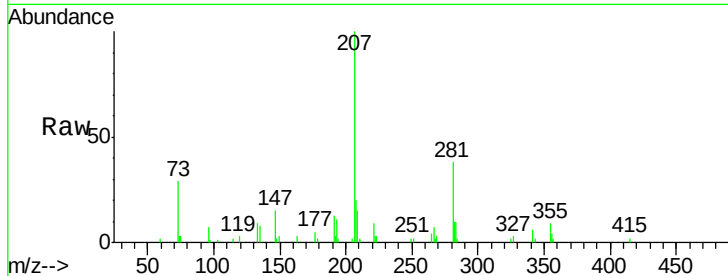




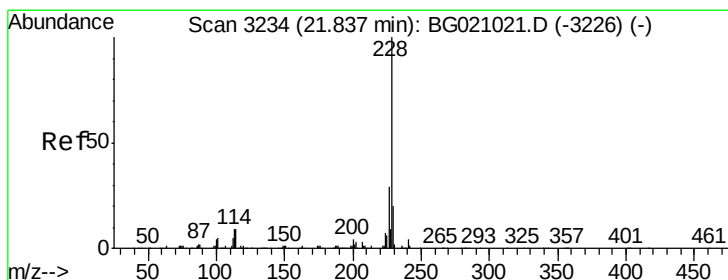
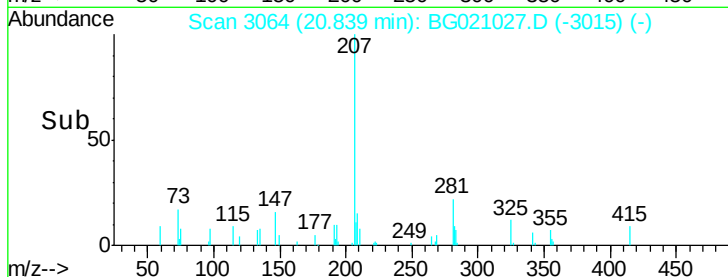
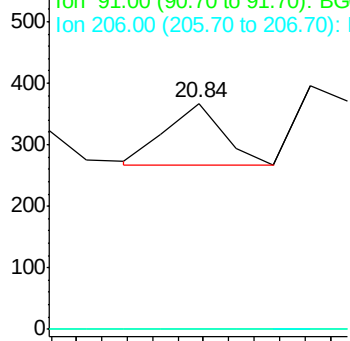
#79
Butylbenzylphthalate
Concen: 0.05 ng
RT: 20.84 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BG021027.D
Acq: 22 Feb 2016 23:39

Instrument :
BNA_G
ClientSampled :
EVTP2

Tgt Ion:149 Resp: 63
Ion Ratio Lower Upper
149 100
91 0.0 47.7 71.5#
206 0.0 16.9 25.3#

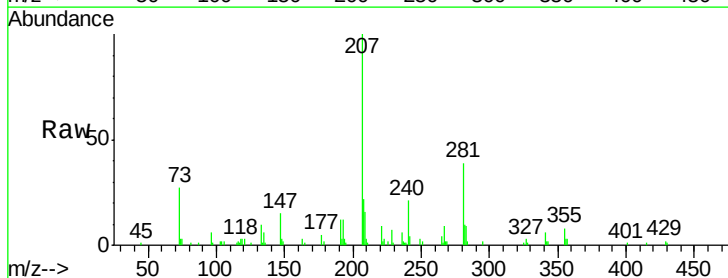


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

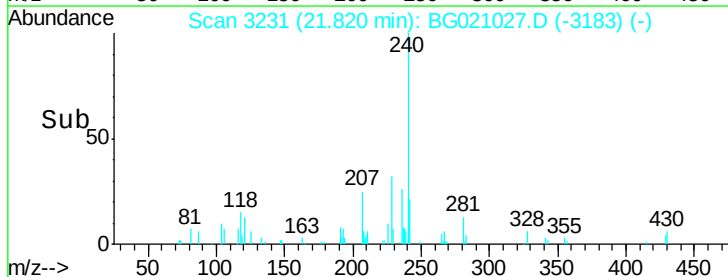
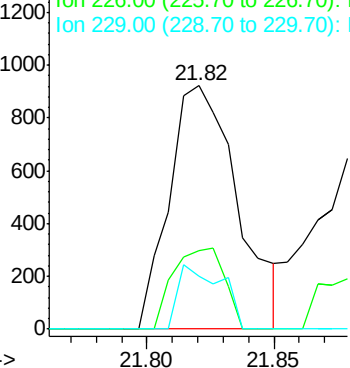


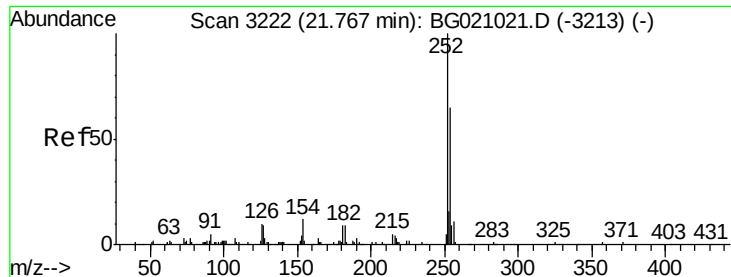
#80
Benzo(a)anthracene
Concen: 0.66 ng
RT: 21.82 min Scan# 3231
Delta R.T. -0.02 min
Lab File: BG021027.D
Acq: 22 Feb 2016 23:39

Tgt Ion:228 Resp: 1733
Ion Ratio Lower Upper
228 100
226 32.0 22.9 34.3
229 21.5 16.3 24.5



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

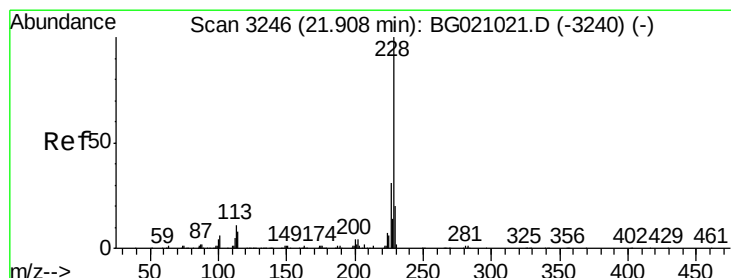
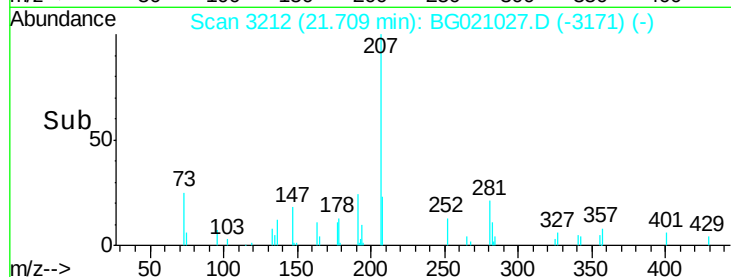
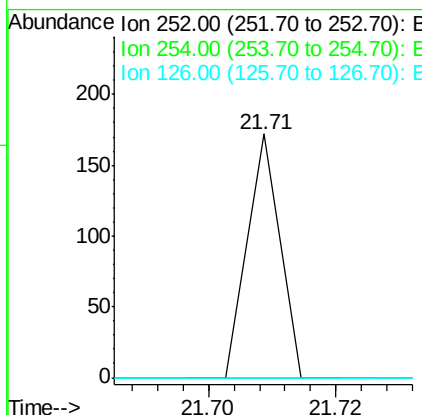
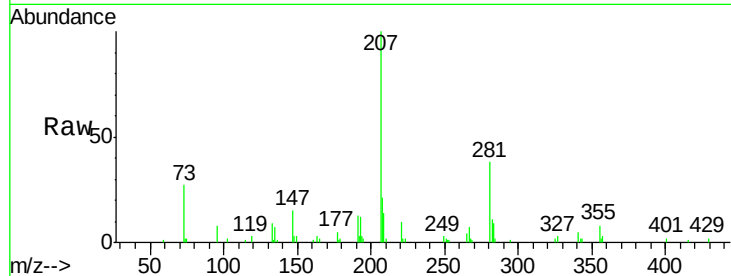




#81
 3,3'-Dichlorobenzidine
 Concen: 0.06 ng
 RT: 21.71 min Scan# 3212
 Delta R.T. -0.06 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

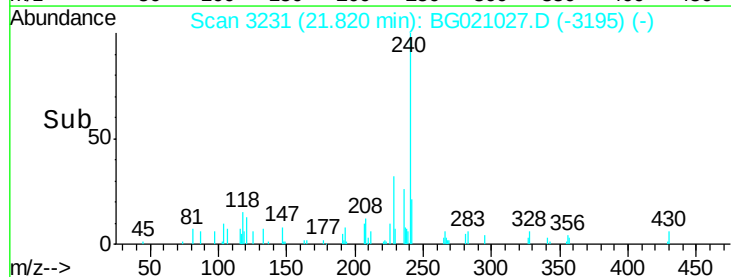
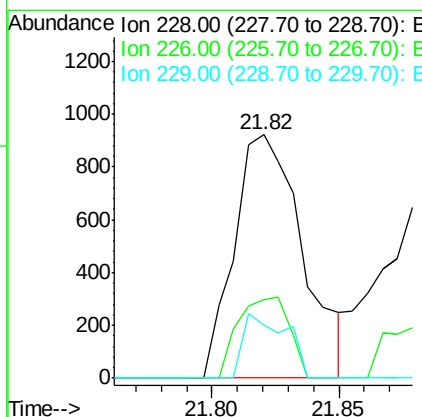
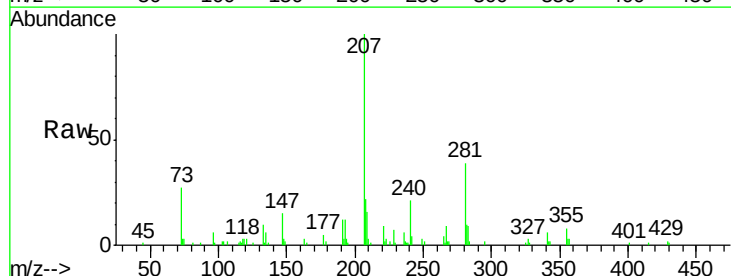
Instrument :
 BNA_G
 ClientSampleId :
 EVTP2

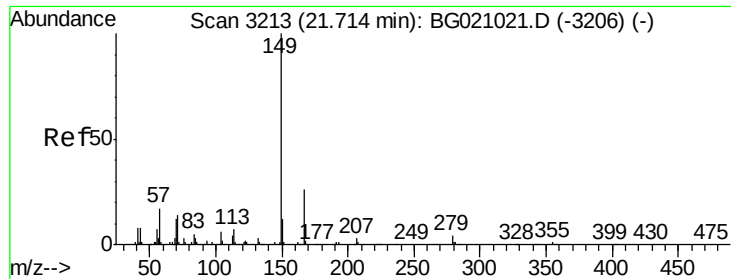
Tgt Ion: 252 Resp: 61
 Ion Ratio Lower Upper
 252 100
 254 0.0 52.3 78.5#
 126 0.0 7.8 11.8#



#82
 Chrysene
 Concen: 0.70 ng
 RT: 21.82 min Scan# 3231
 Delta R.T. -0.09 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Tgt Ion: 228 Resp: 1733
 Ion Ratio Lower Upper
 228 100
 226 32.0 24.8 37.2
 229 21.5 15.9 23.9

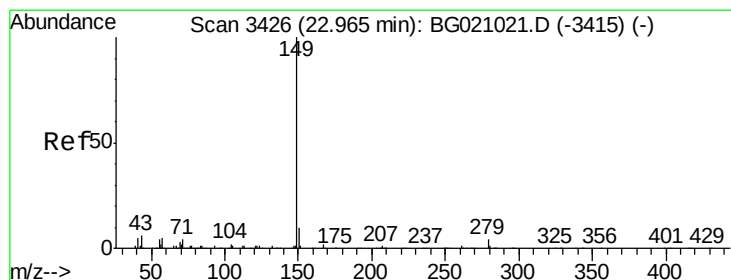
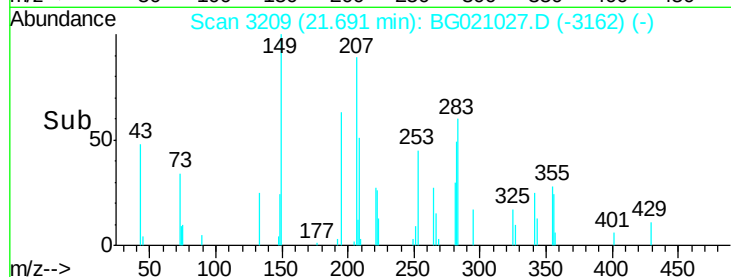
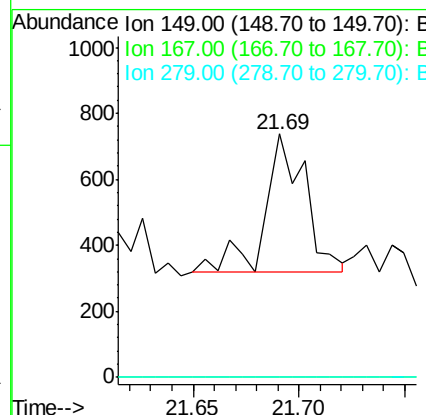
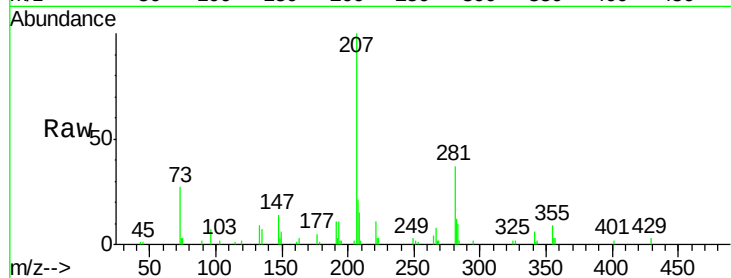




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.69 min Scan# 3209
 Delta R.T. -0.02 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

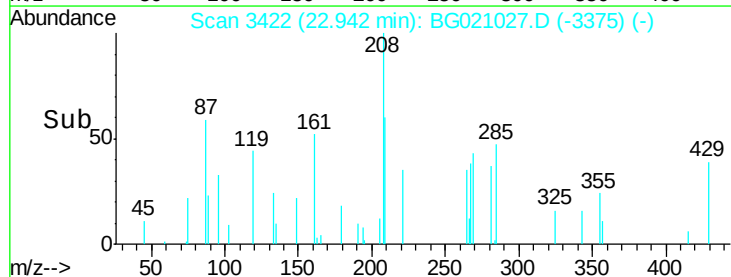
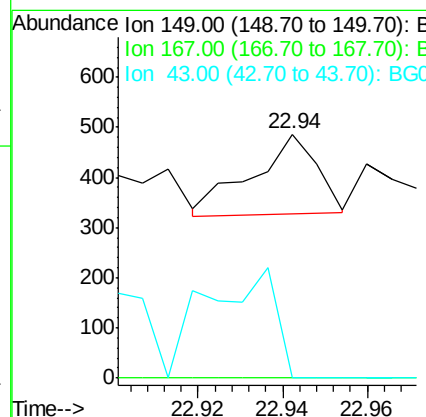
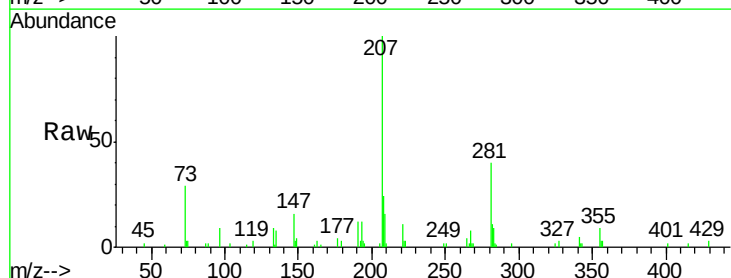
Instrument :
 BNA_G
 ClientSampleId :
 EVTP2

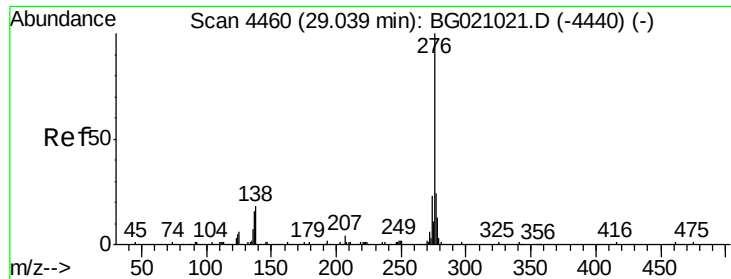
Tgt Ion:149 Resp: 561
 Ion Ratio Lower Upper
 149 100
 167 0.0 20.3 30.5#
 279 0.0 3.8 5.6#



#84
 Di-n-octyl phthalate
 Concen: 0.06 ng
 RT: 22.94 min Scan# 3422
 Delta R.T. -0.02 min
 Lab File: BG021027.D
 Acq: 22 Feb 2016 23:39

Tgt Ion:149 Resp: 172
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 143.0 5.0 7.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng

RT: 28.97 min Scan# 4448

Delta R.T. -0.07 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

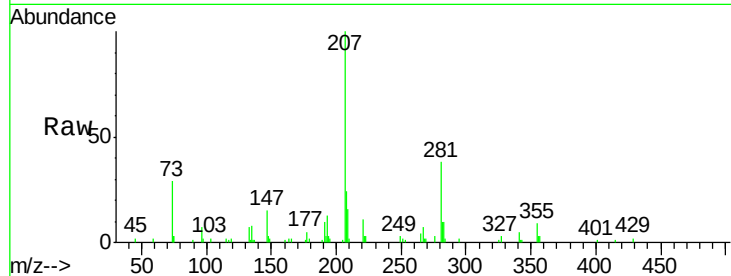
Tgt Ion:276 Resp: 1274

Ion Ratio Lower Upper

276 100

138 0.0 13.1 19.7#

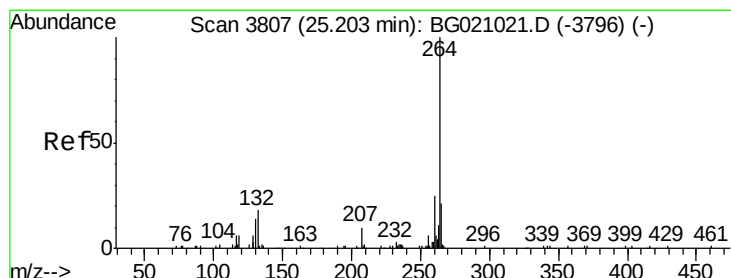
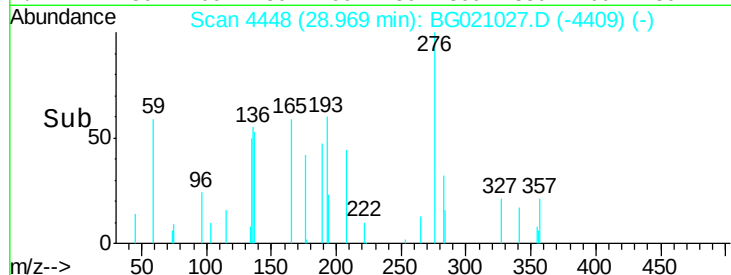
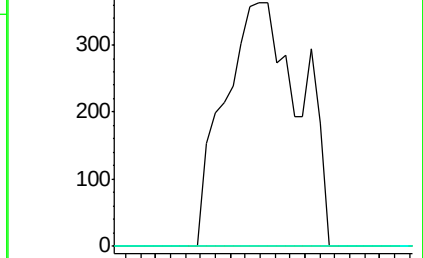
277 0.0 20.6 30.8#



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: 25.17 min Scan# 3802

Delta R.T. -0.03 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

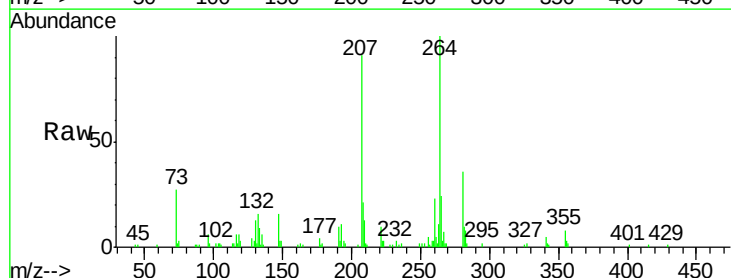
Tgt Ion:264 Resp: 42387

Ion Ratio Lower Upper

264 100

260 22.7 19.8 29.6

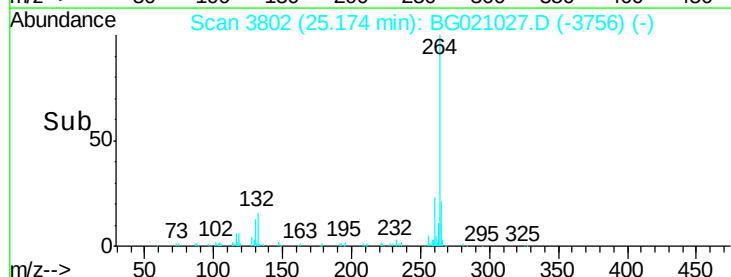
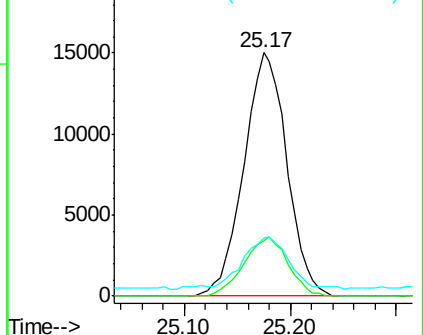
265 23.8 20.7 31.1

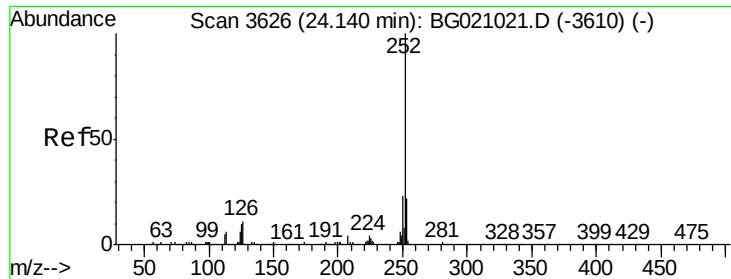


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 1.02 ng

RT: 24.12 min Scan# 3622

Delta R.T. -0.02 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

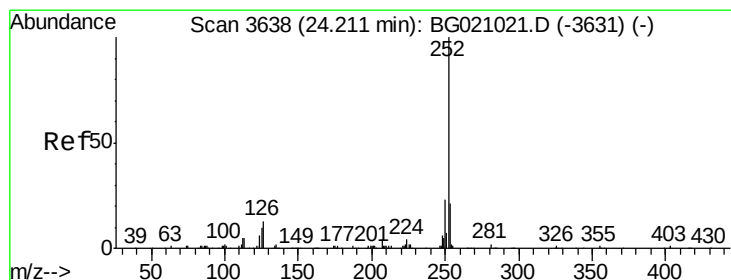
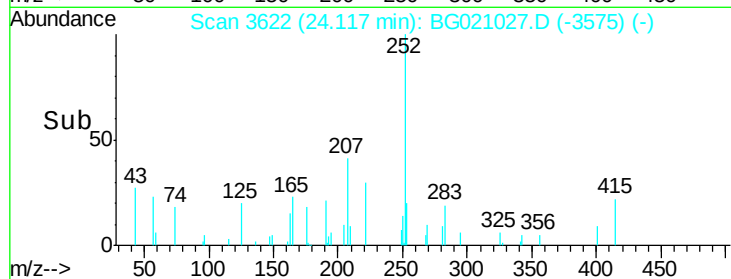
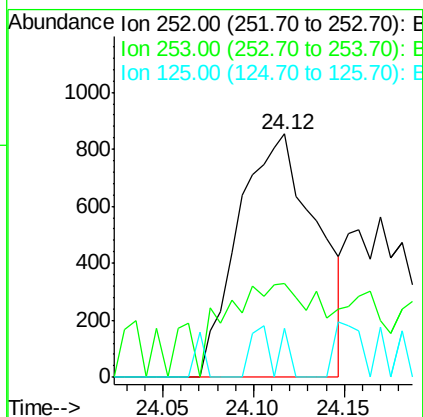
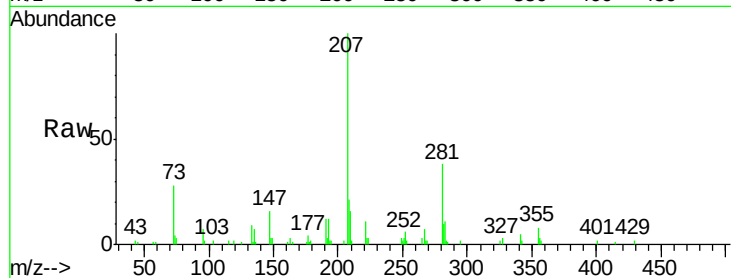
Tgt Ion:252 Resp: 2564

Ion Ratio Lower Upper

252 100

253 38.5 18.4 27.6#

125 20.4 8.6 12.8#



#88

Benzo(k)fluoranthene

Concen: 1.04 ng

RT: 24.12 min Scan# 3622

Delta R.T. -0.09 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

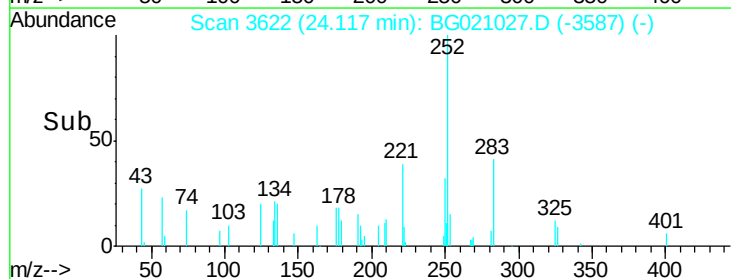
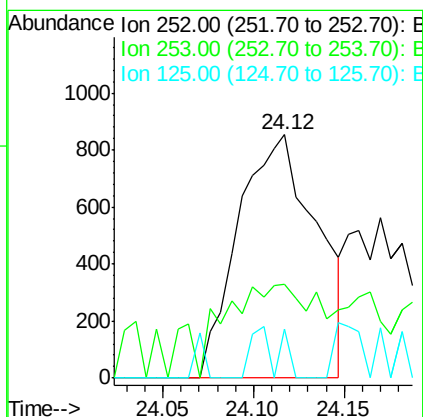
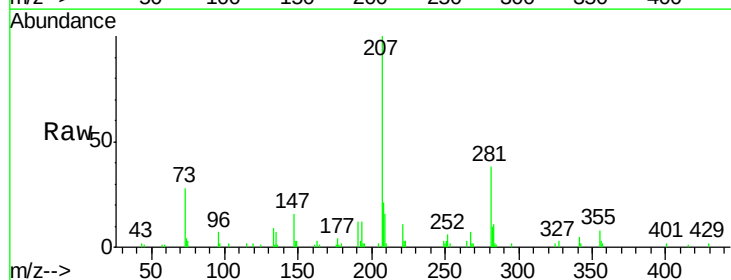
Tgt Ion:252 Resp: 2564

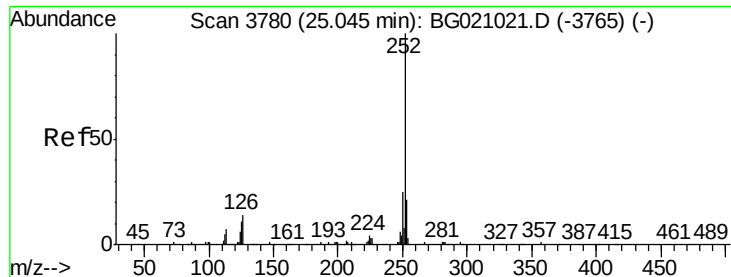
Ion Ratio Lower Upper

252 100

253 38.5 17.4 26.2#

125 20.4 8.2 12.4#





#89

Benzo(a)pyrene

Concen: 0.90 ng

RT: 25.01 min Scan# 3774

Delta R.T. -0.03 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

Instrument :

BNA_G

ClientSampleId :

EVTP2

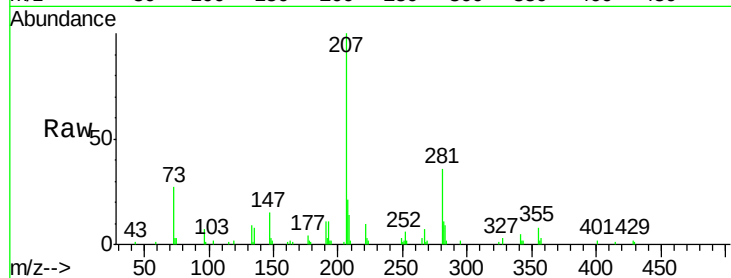
Tgt Ion: 252 Resp: 2195

Ion Ratio Lower Upper

252 100

253 31.2 17.5 26.3#

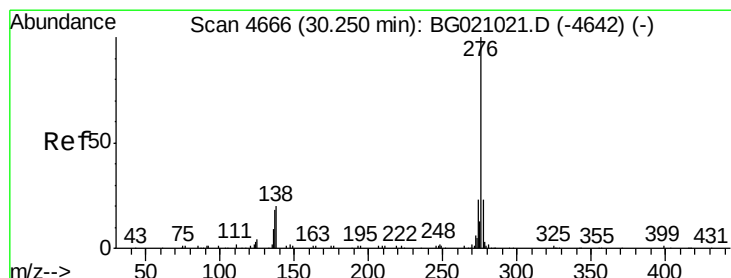
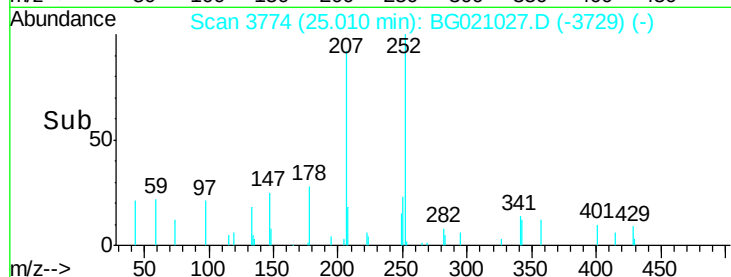
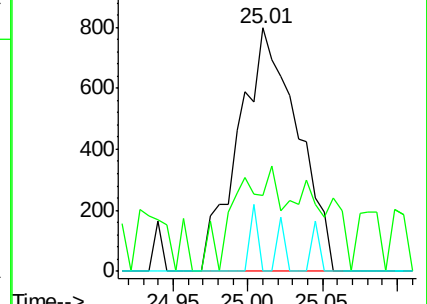
125 0.0 9.0 13.6#



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



#91

Benzo(g,h,i)perylene

Concen: 0.23 ng

RT: 30.15 min Scan# 4649

Delta R.T. -0.10 min

Lab File: BG021027.D

Acq: 22 Feb 2016 23:39

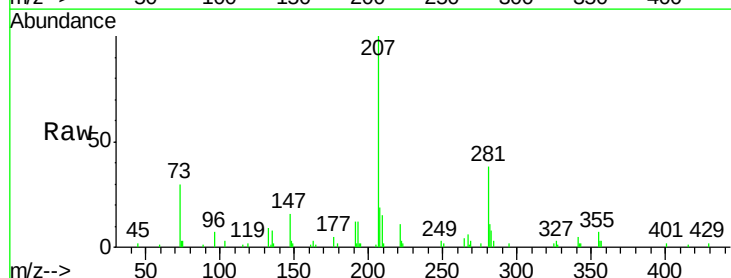
Tgt Ion: 276 Resp: 554

Ion Ratio Lower Upper

276 100

277 0.0 18.2 27.2#

138 0.0 15.7 23.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

