

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018026.D
 Acq On : 21 Jul 2015 17:09
 Operator : TP/UM
 Sample : G2954-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B2

Quant Time: Jul 22 11:31:44 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 01:57:03 2015
 Response via : Initial Calibration

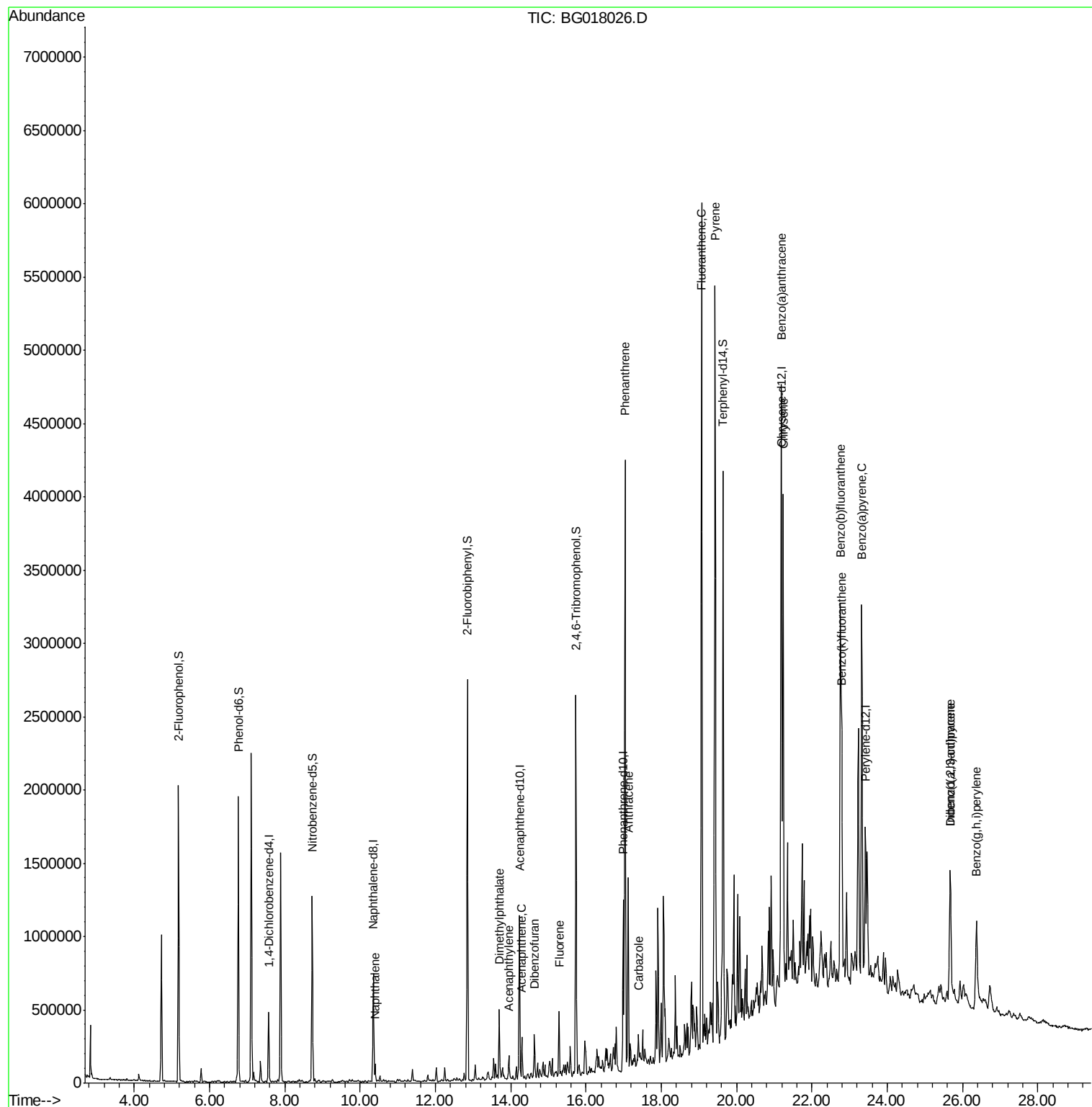
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	137407	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	623085	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	379583	20.00	ng	0.00
63) Phenanthrene-d10	16.99	188	726392	20.00	ng	0.00
75) Chrysene-d12	21.20	240	792957	20.00	ng	0.01
86) Perylene-d12	23.42	264	834092	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	919442	116.73	ng	0.00
7) Phenol-d6	6.76	99	1237756	119.94	ng	0.01
23) Nitrobenzene-d5	8.73	82	734217	76.32	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	469348	122.04	ng	0.00
44) 2-Fluorobiphenyl	12.85	172	1384884	63.22	ng	0.00
78) Terphenyl-d14	19.64	244	1588022	50.45	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.40	128	100627	3.30	ng	98
48) Acenaphthylene	13.95	152	121421	3.38	ng	97
49) Dimethylphthalate	13.69	163	308730	11.71	ng	99
51) Acenaphthene	14.29	154	101315	4.66	ng	97
54) Dibenzofuran	14.63	168	142271	4.53	ng	# 95
57) Fluorene	15.28	166	183236	6.79	ng	98
70) Phenanthrene	17.03	178	2336992m	62.37	ng	
71) Anthracene	17.12	178	818553	22.45	ng	98
72) Carbazole	17.39	167	118243	3.43	ng	98
74) Fluoranthene	19.07	202	3154029	76.89	ng	81
77) Pyrene	19.43	202	3114874	70.43	ng	# 78
80) Benzo(a)anthracene	21.18	228	1890393	45.14	ng	# 90
82) Chrysene	21.24	228	1682999m	42.19	ng	
85) Indeno(1,2,3-cd)pyrene	25.68	276	936046	19.40	ng	# 85
87) Benzo(b)fluoranthene	22.76	252	2243264m	49.15	ng	
88) Benzo(k)fluoranthene	22.79	252	980861m	21.52	ng	
89) Benzo(a)pyrene	23.33	252	1920781	45.18	ng	95
90) Dibenzo(a,h)anthracene	25.68	278	224232m	5.09	ng	
91) Benzo(g,h,i)perylene	26.38	276	967658	22.76	ng	94

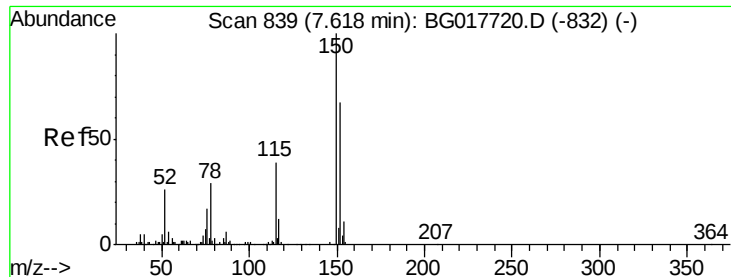
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018026.D
Acq On : 21 Jul 2015 17:09
Operator : TP/UM
Sample : G2954-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TEC-B2

Quant Time: Jul 22 11:31:44 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 22 01:57:03 2015
Response via : Initial Calibration



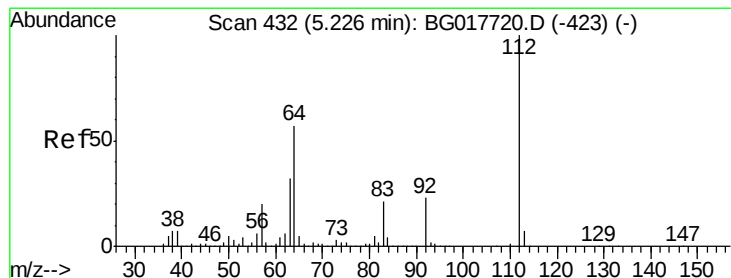
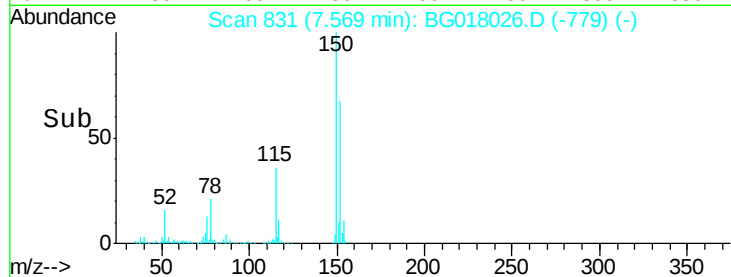
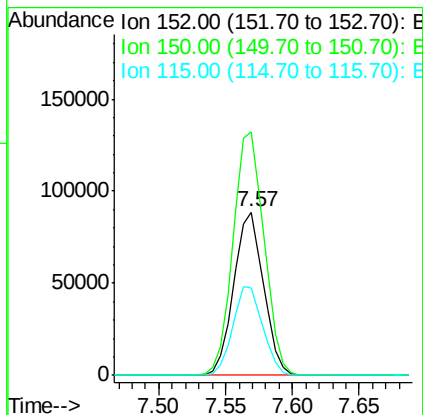
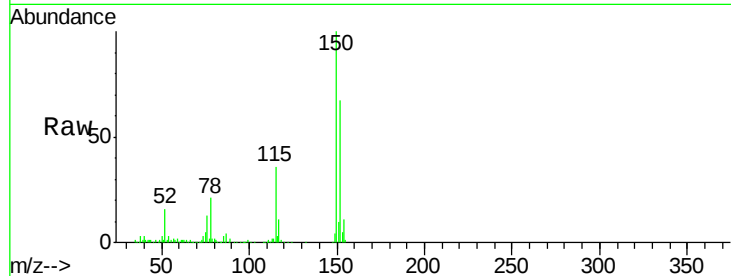


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

Instrument :
BNA_G
ClientSampleId :
TEC-B2

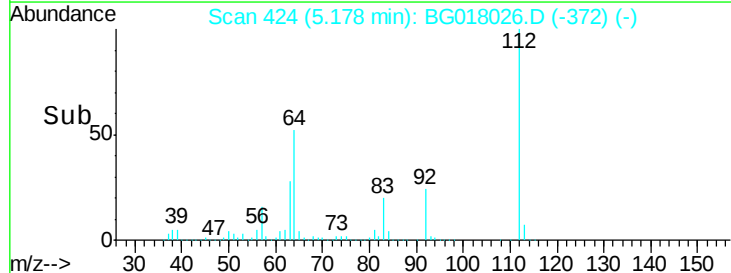
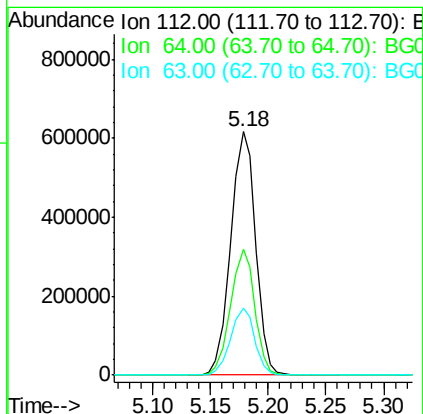
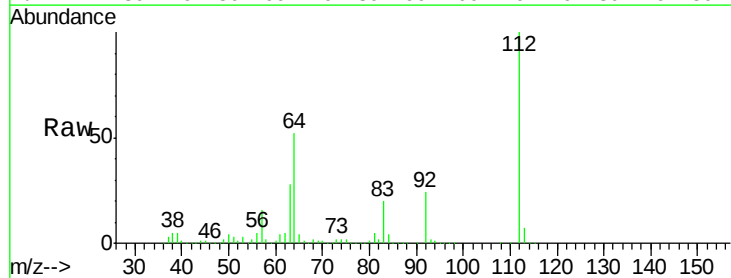
Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.8	119.1	178.7
115	53.2	47.0	70.4



#5

2-Fluorophenol
Concen: 116.73 ng
RT: 5.18 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	45.4	68.0
63	27.5	25.3	37.9





#7

Phenol-d6

Concen: 119.94 ng

RT: 6.76 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

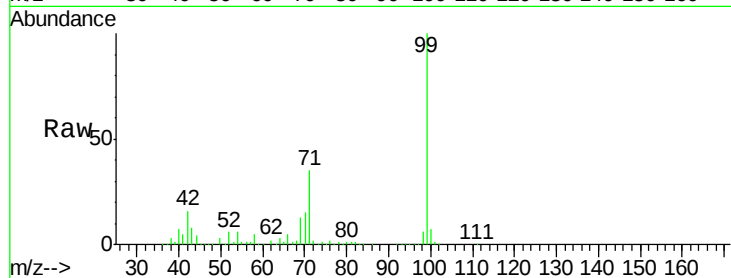
Tgt Ion: 99 Resp: 1237756

Ion Ratio Lower Upper

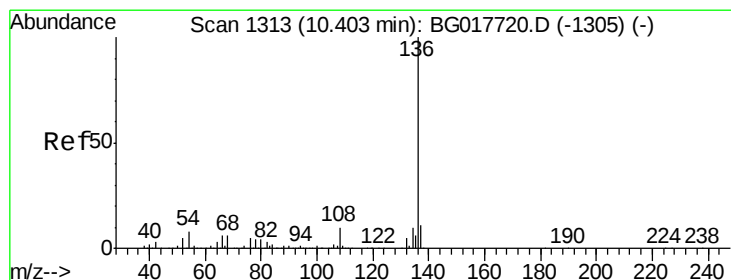
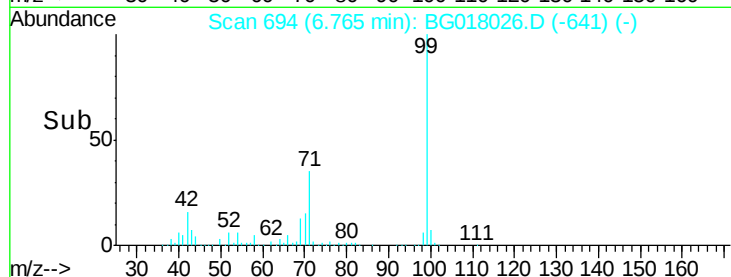
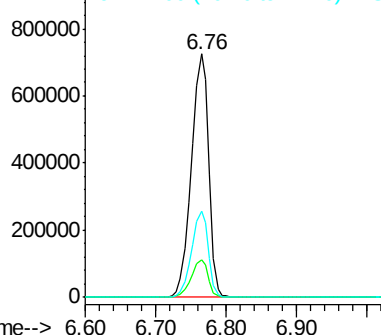
99 100

42 15.6 16.2 24.4#

71 35.3 29.5 44.3



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: 10.35 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Tgt Ion: 136 Resp: 623085

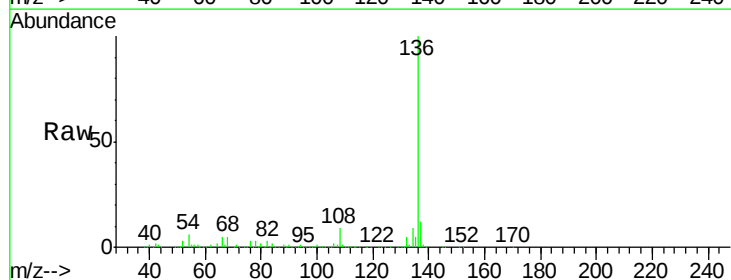
Ion Ratio Lower Upper

136 100

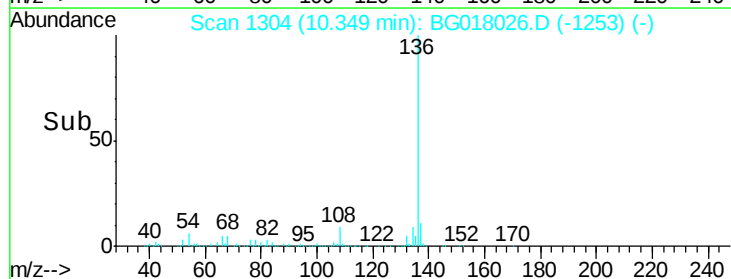
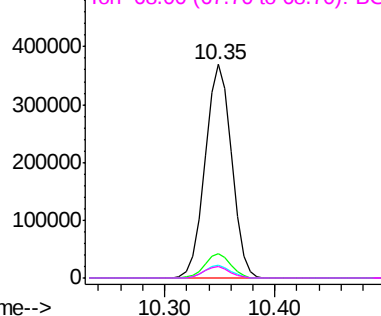
137 11.5 8.8 13.2

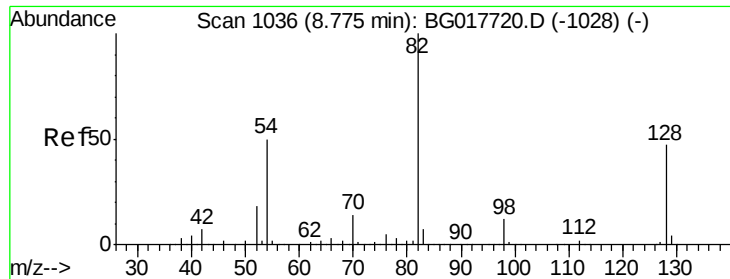
54 5.9 6.6 9.8#

68 5.1 5.1 7.7



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

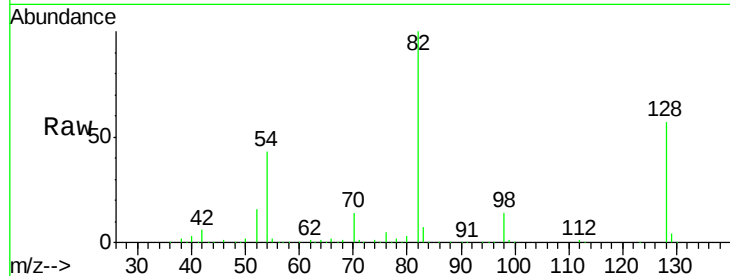




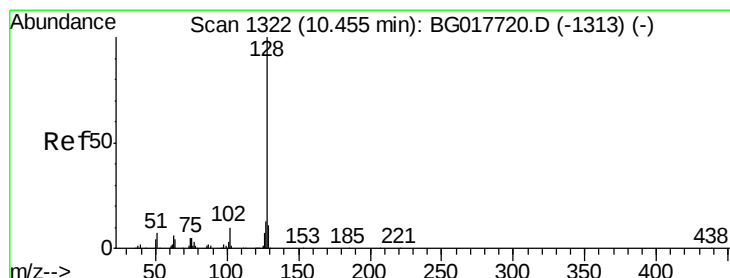
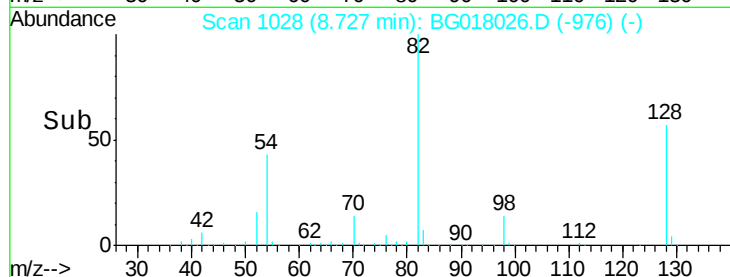
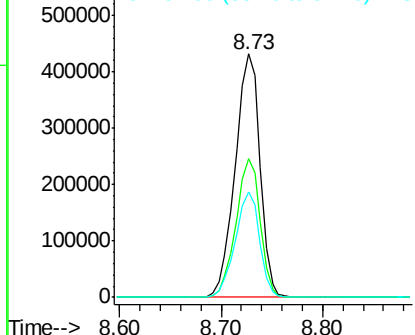
#23
Nitrobenzene-d5
Concen: 76.32 ng
RT: 8.73 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

Instrument :
BNA_G
ClientSampleId :
TEC-B2

Tgt Ion: 82 Resp: 734217
Ion Ratio Lower Upper
82 100
128 57.0 37.8 56.6#
54 43.2 39.9 59.9

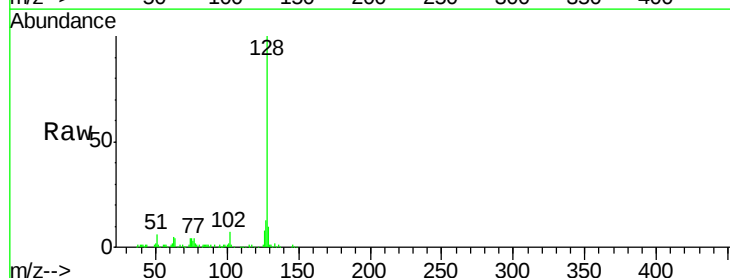


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

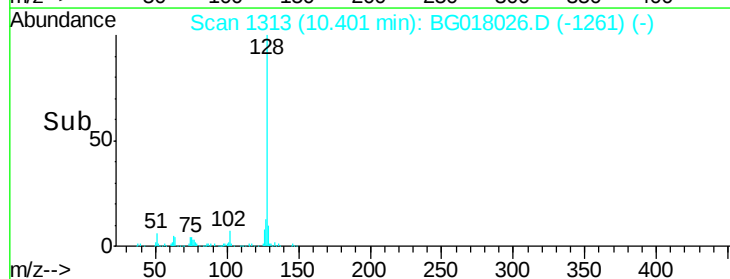
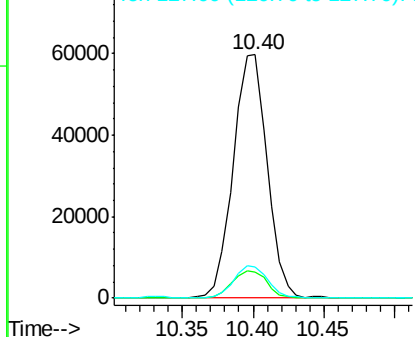


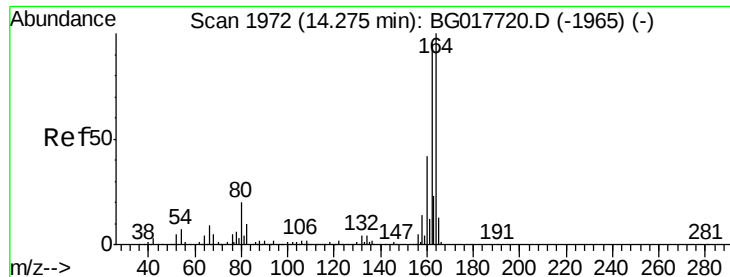
#31
Naphthalene
Concen: 3.30 ng
RT: 10.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

Tgt Ion: 128 Resp: 100627
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.6
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.23 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

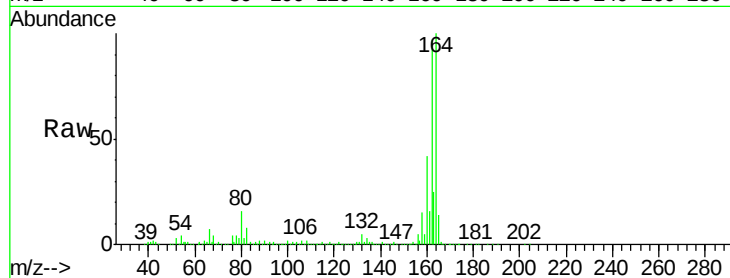
Tgt Ion:164 Resp: 379583

Ion Ratio Lower Upper

164 100

162 96.9 76.3 114.5

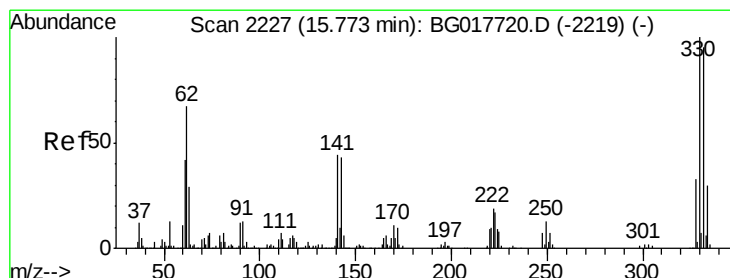
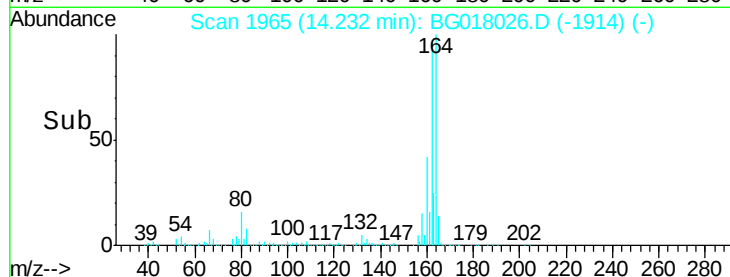
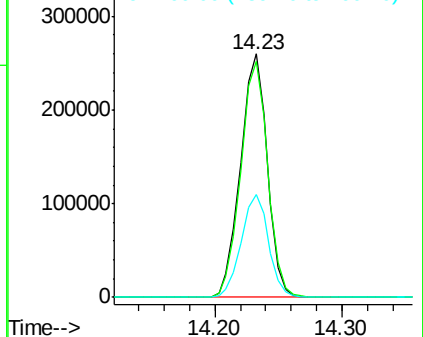
160 42.3 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 122.04 ng

RT: 15.73 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

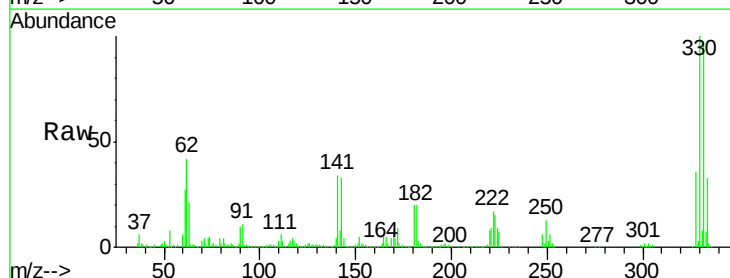
Tgt Ion:330 Resp: 469348

Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

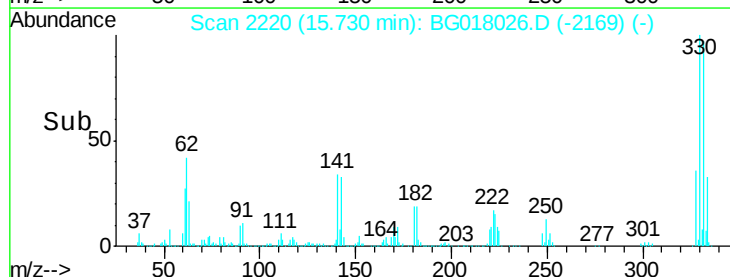
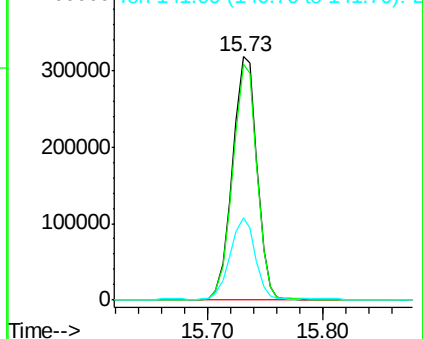
141 33.8 38.0 57.0#

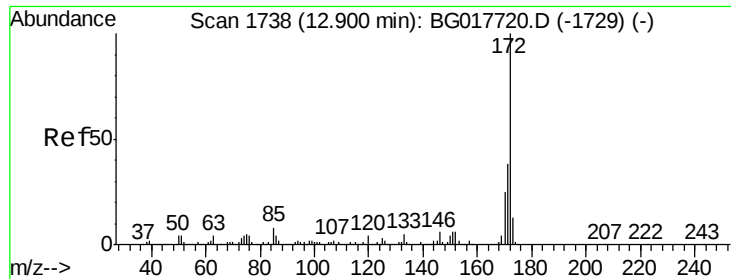


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

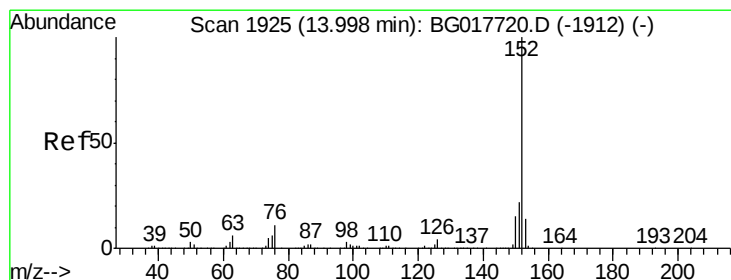
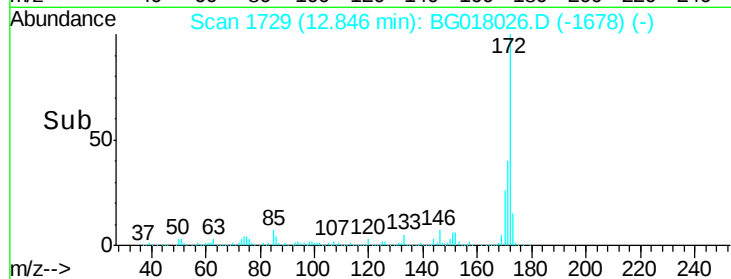
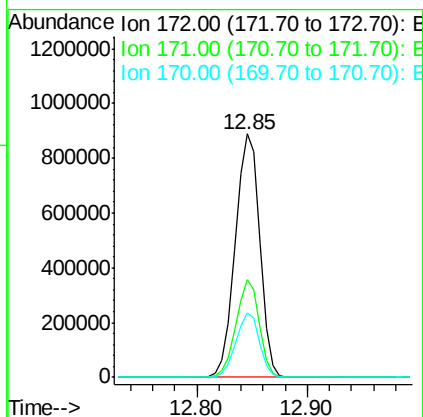
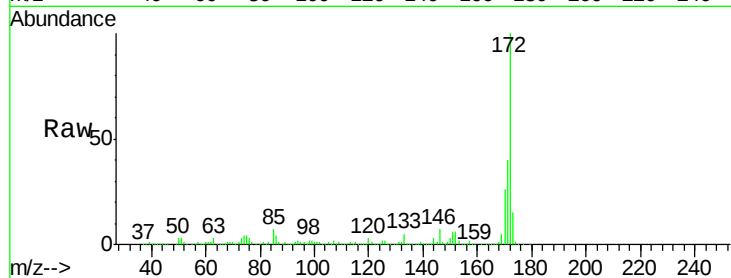




#44
2-Fluorobiphenyl
Concen: 63.22 ng
RT: 12.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

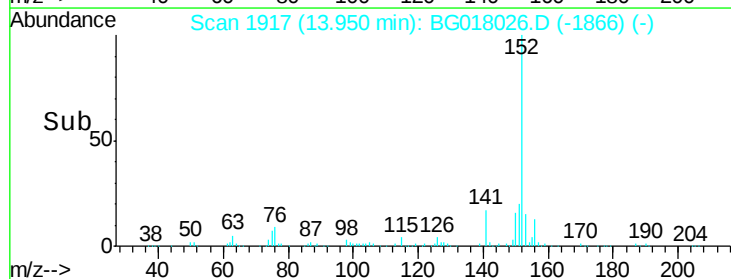
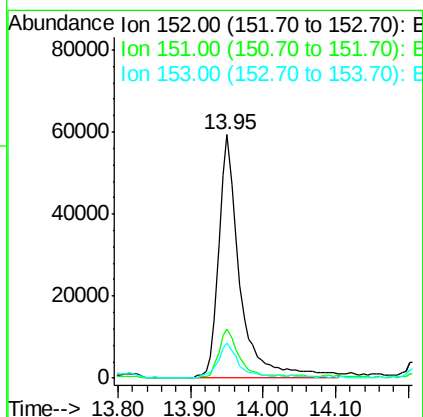
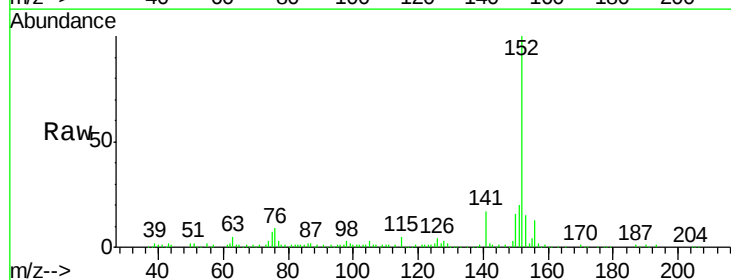
Instrument :
BNA_G
ClientSampleId :
TEC-B2

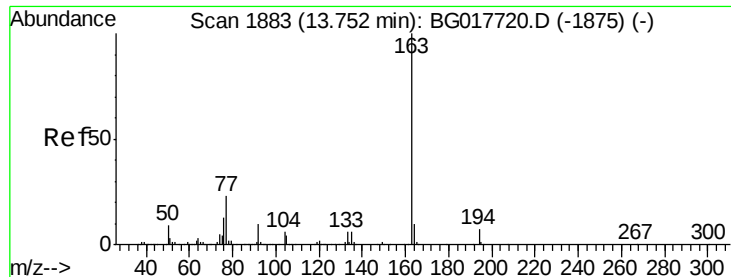
Tgt Ion:172 Resp: 1384884
Ion Ratio Lower Upper
172 100
171 40.1 30.7 46.1
170 26.3 19.7 29.5



#48
Acenaphthylene
Concen: 3.38 ng
RT: 13.95 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

Tgt Ion:152 Resp: 121421
Ion Ratio Lower Upper
152 100
151 20.0 17.4 26.2
153 14.6 11.0 16.6





#49

Dimethylphthalate

Concen: 11.71 ng

RT: 13.69 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

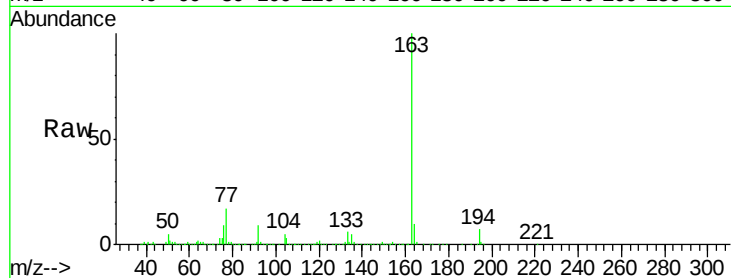
Tgt Ion:163 Resp: 308730

Ion Ratio Lower Upper

163 100

194 6.7 5.8 8.6

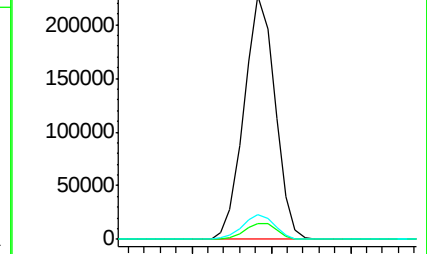
164 10.4 8.3 12.5



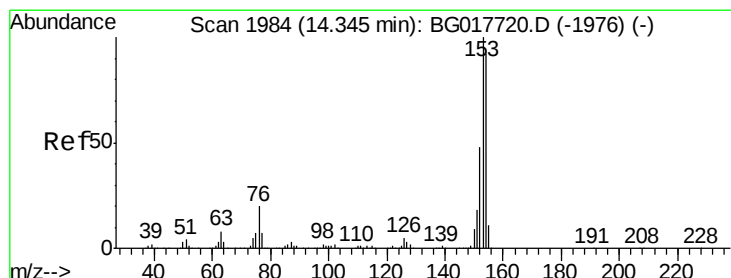
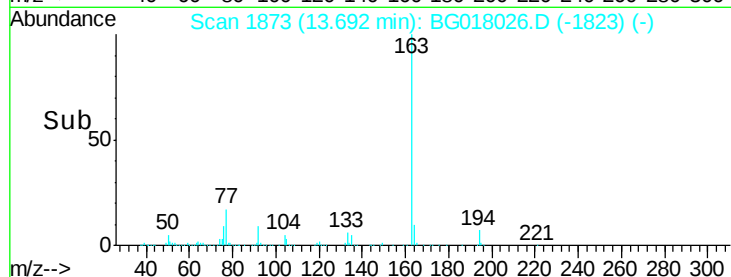
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#51

Acenaphthene

Concen: 4.66 ng

RT: 14.29 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

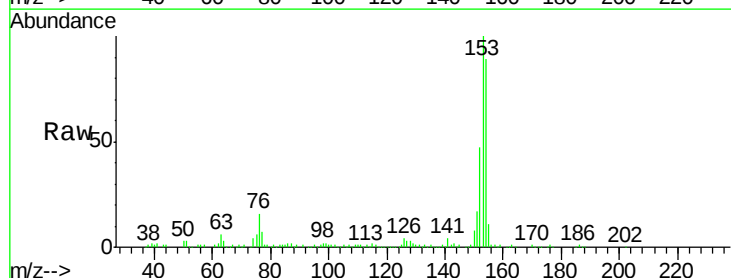
Tgt Ion:154 Resp: 101315

Ion Ratio Lower Upper

154 100

153 112.1 87.0 130.4

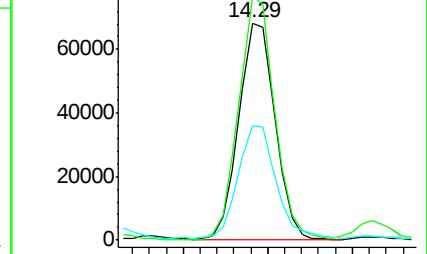
152 52.5 41.4 62.0



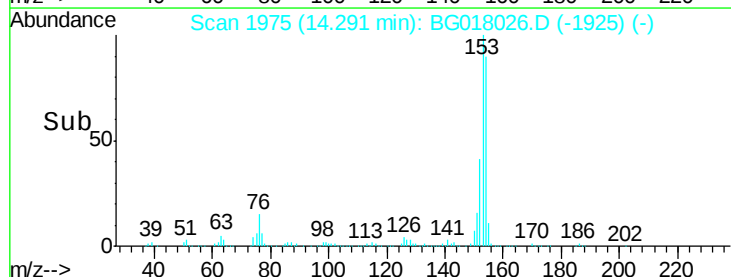
Abundance Ion 154.00 (153.70 to 154.70): E

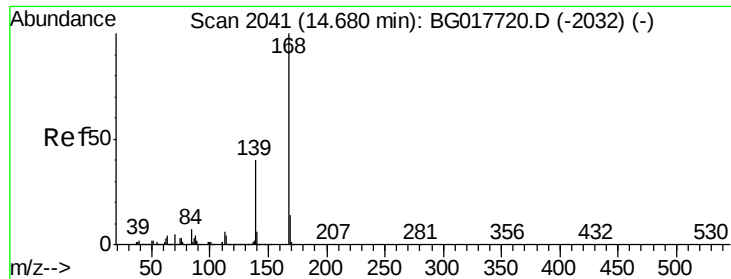
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->





#54

Dibenzenofuran

Concen: 4.53 ng

RT: 14.63 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

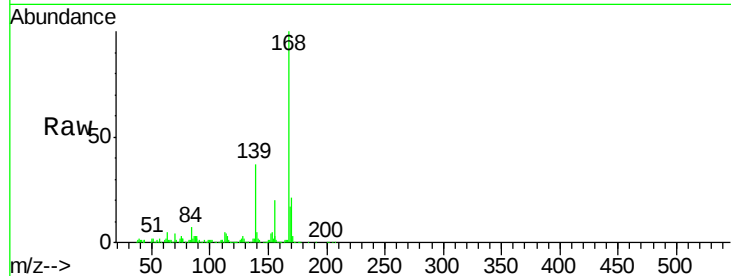
Tgt Ion:168 Resp: 142271

Ion Ratio Lower Upper

168 100

139 37.2 32.2 48.2

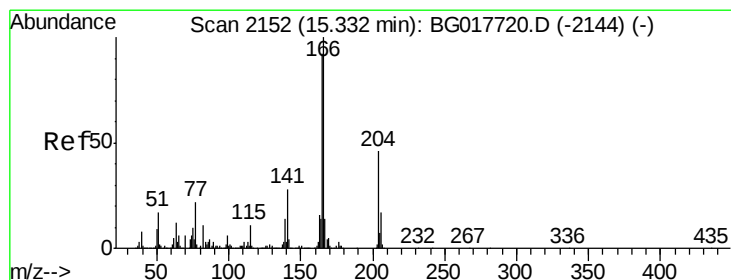
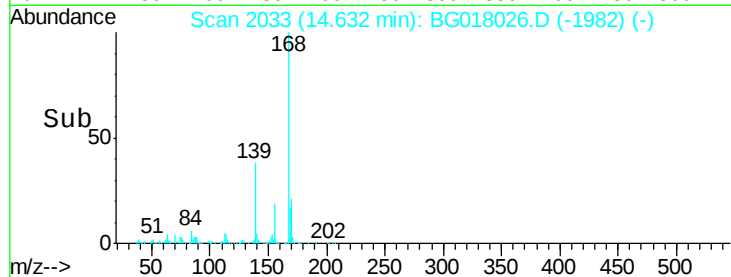
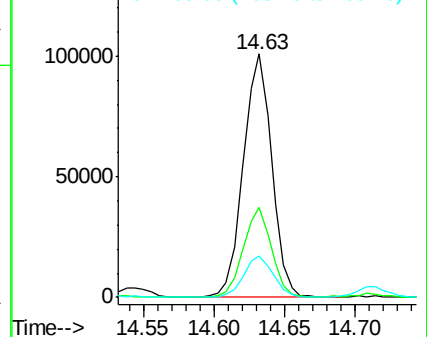
169 17.1 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 6.79 ng

RT: 15.28 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

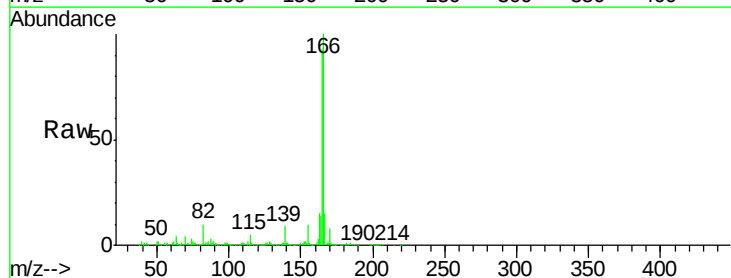
Tgt Ion:166 Resp: 183236

Ion Ratio Lower Upper

166 100

165 92.9 73.4 110.0

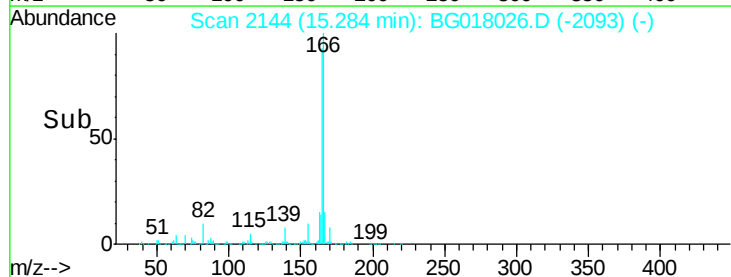
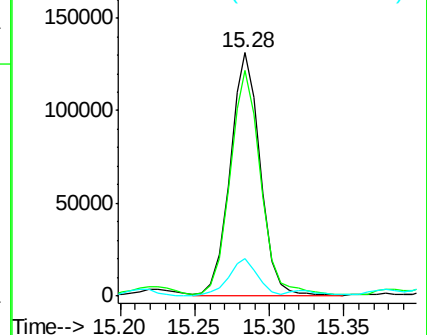
167 15.3 11.0 16.6

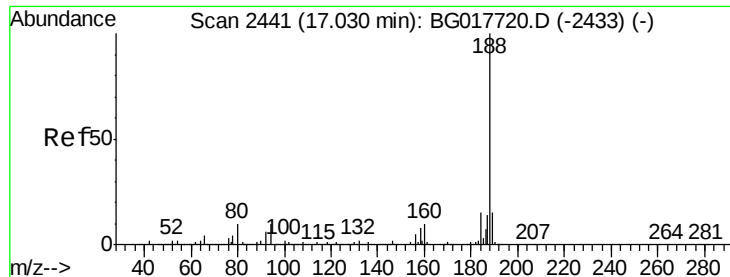


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

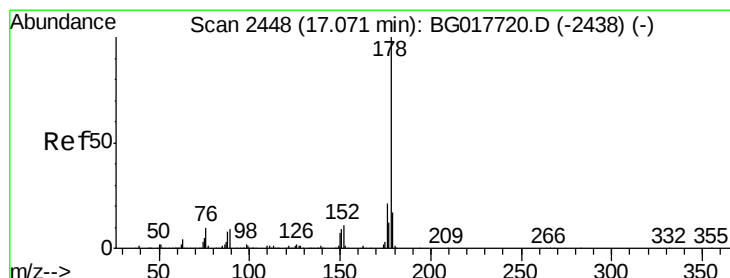
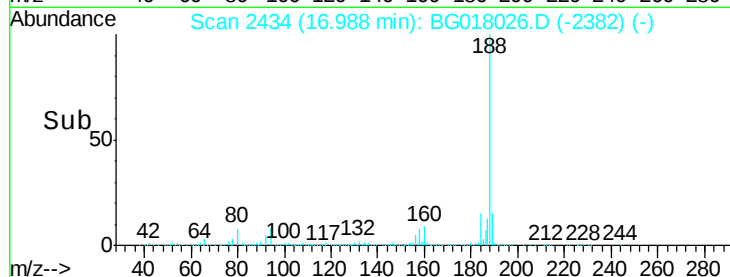
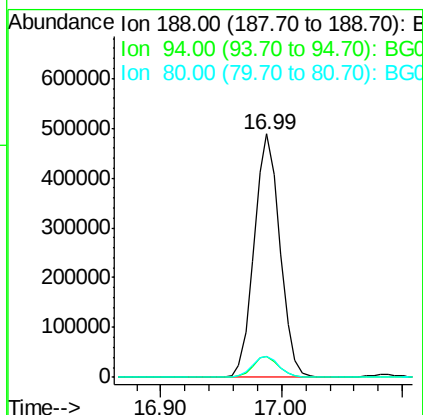
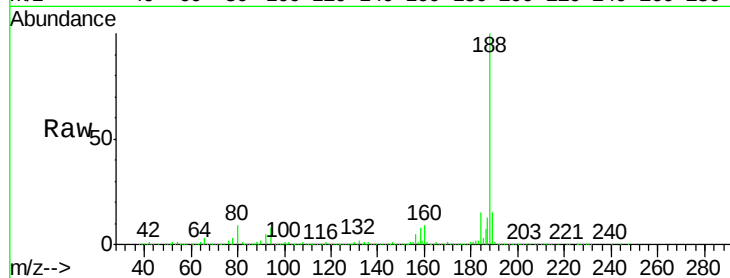




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.99 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

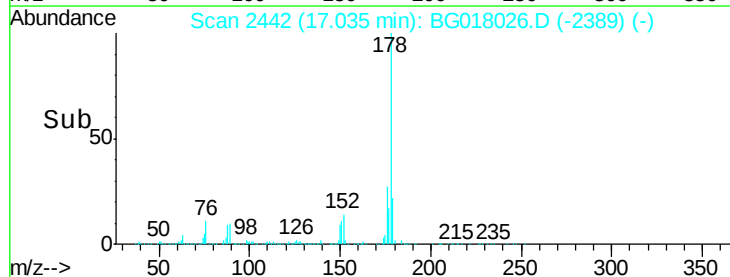
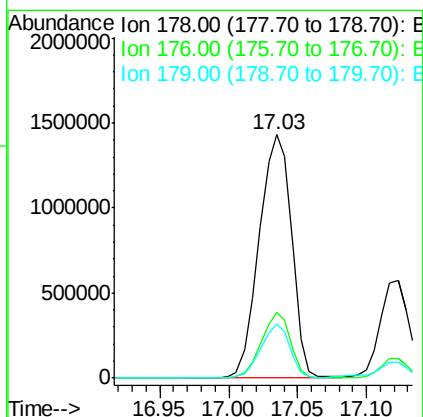
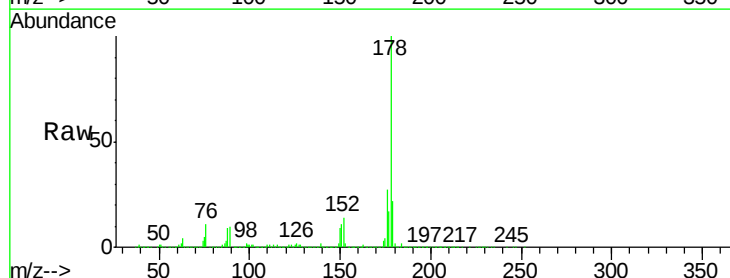
Instrument :
BNA_G
ClientSampleId :
TEC-B2

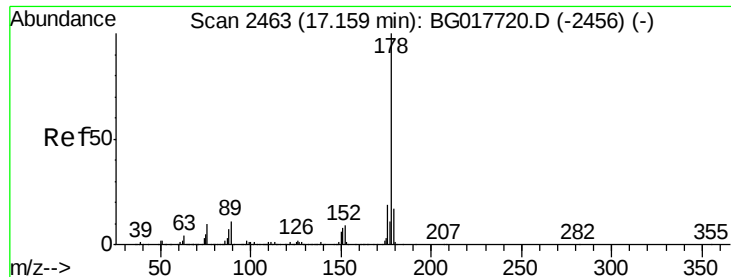
Tgt Ion:188 Resp: 726392
Ion Ratio Lower Upper
188 100
94 8.4 8.2 12.2
80 8.5 8.2 12.4



#70
Phenanthrene
Concen: 62.37 ng m
RT: 17.03 min Scan# 2442
Delta R.T. 0.01 min
Lab File: BG018026.D
Acq: 21 Jul 2015 17:09

Tgt Ion:178 Resp: 2336992
Ion Ratio Lower Upper
178 100
176 27.1 16.5 24.7#
179 22.1 13.5 20.3#

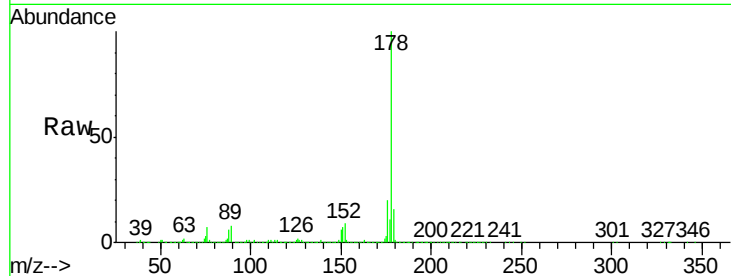




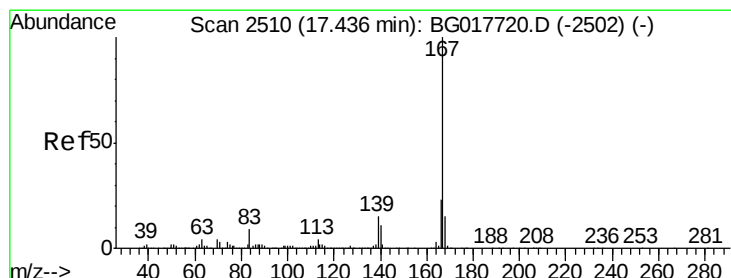
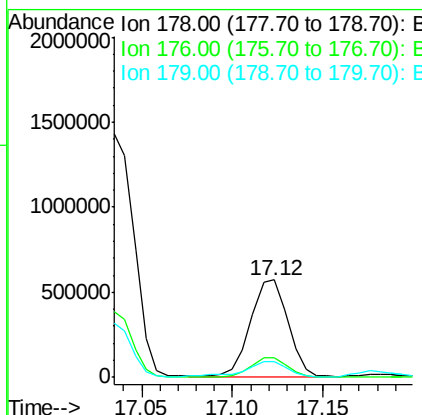
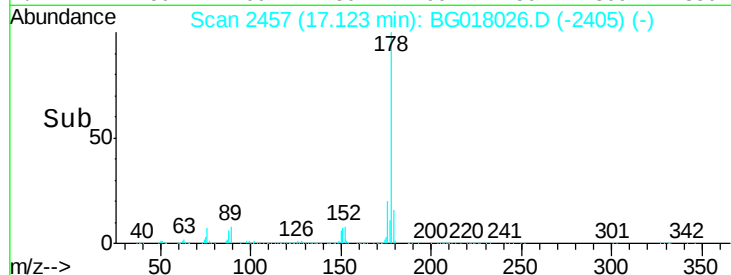
#71
 Anthracene
 Concen: 22.45 ng
 RT: 17.12 min Scan# 2457
 Delta R.T. 0.00 min
 Lab File: BG018026.D
 Acq: 21 Jul 2015 17:09

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.2	22.8
179	16.4	13.6	20.4

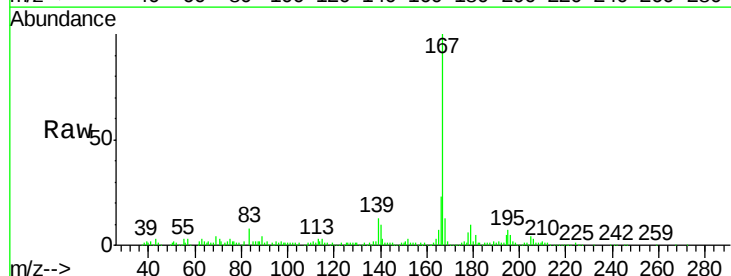


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

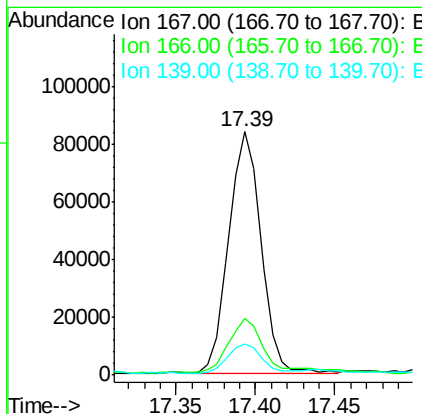
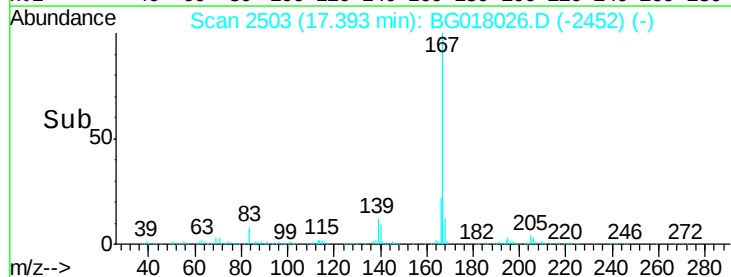


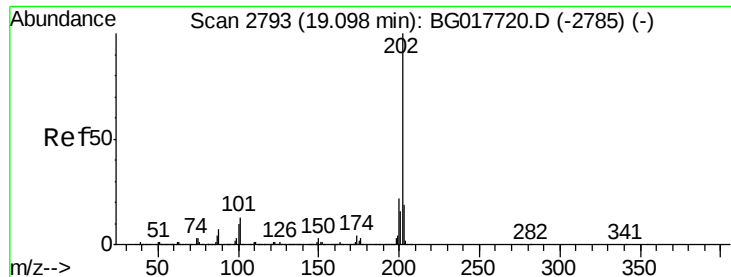
#72
 Carbazole
 Concen: 3.43 ng
 RT: 17.39 min Scan# 2503
 Delta R.T. -0.00 min
 Lab File: BG018026.D
 Acq: 21 Jul 2015 17:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.3	27.5
139	12.7	11.9	17.9



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





#74

Fluoranthene

Concen: 76.89 ng

RT: 19.07 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

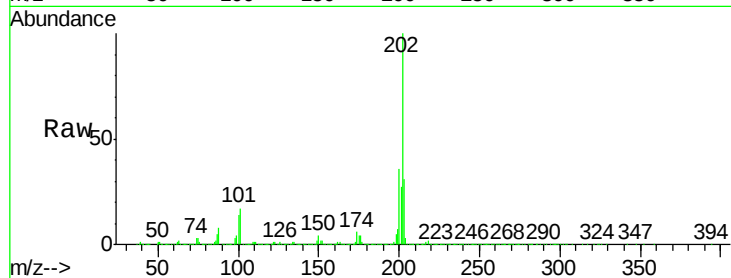
Tgt Ion:202 Resp: 3154029

Ion Ratio Lower Upper

202 100

101 17.5 0.0 33.3

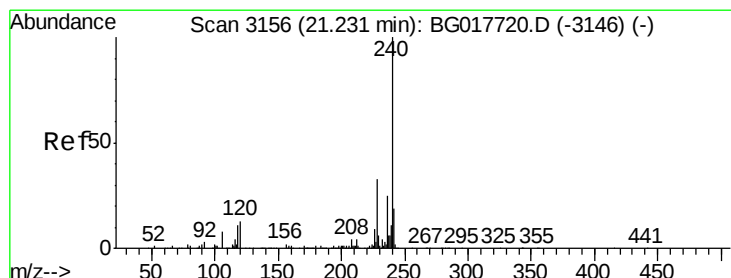
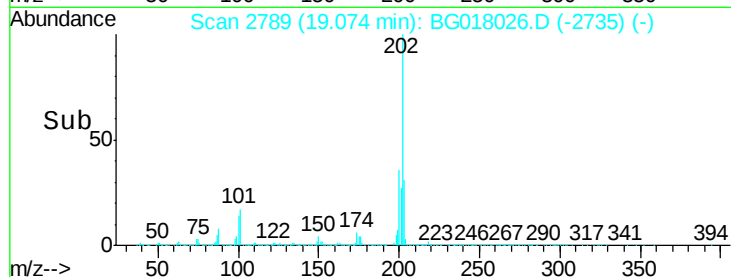
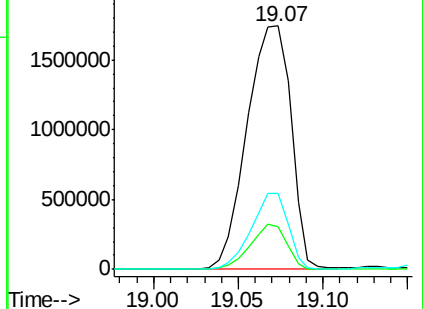
203 31.0 0.0 39.5



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: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

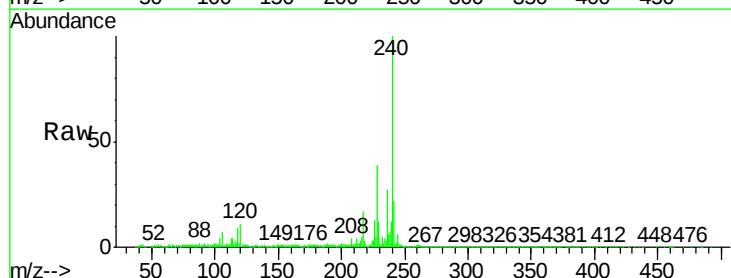
Tgt Ion:240 Resp: 792957

Ion Ratio Lower Upper

240 100

120 11.1 10.8 16.2

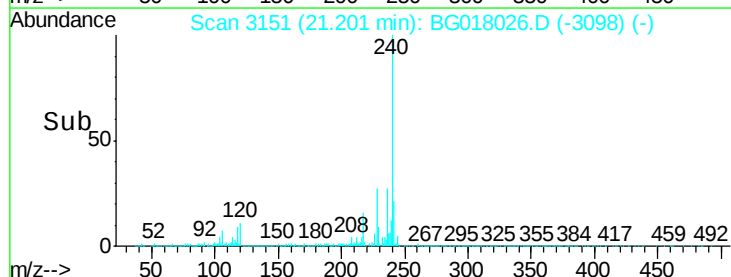
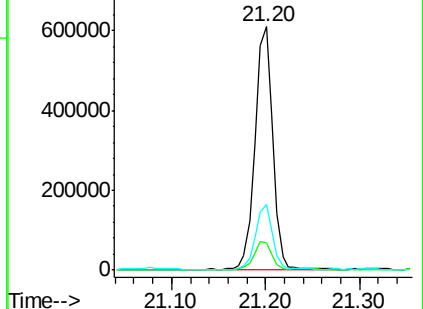
236 27.1 20.0 30.0

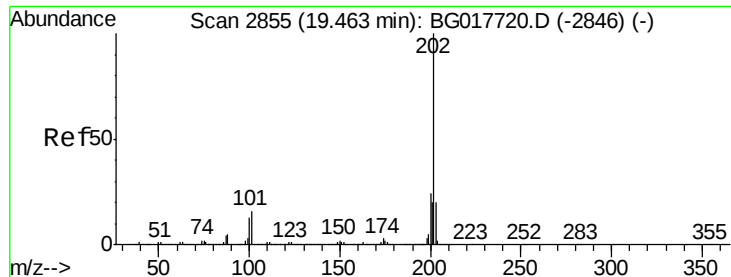


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 70.43 ng

RT: 19.43 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

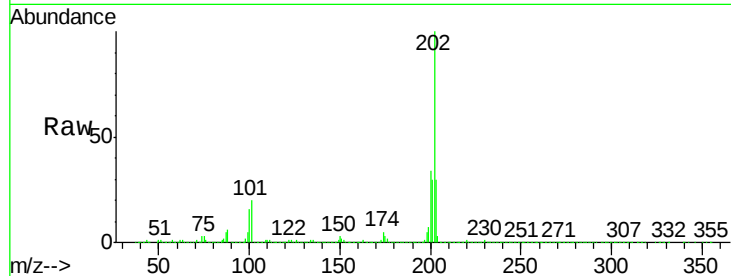
Tgt Ion:202 Resp: 3114874

Ion Ratio Lower Upper

202 100

200 34.0 18.8 28.2#

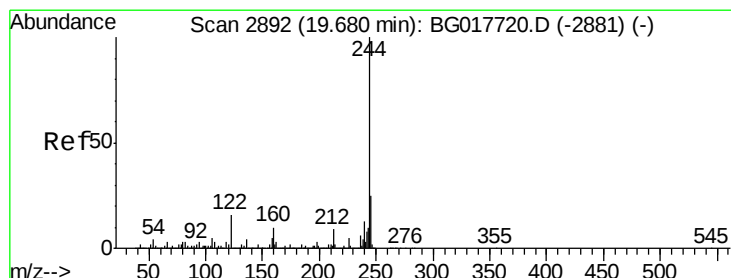
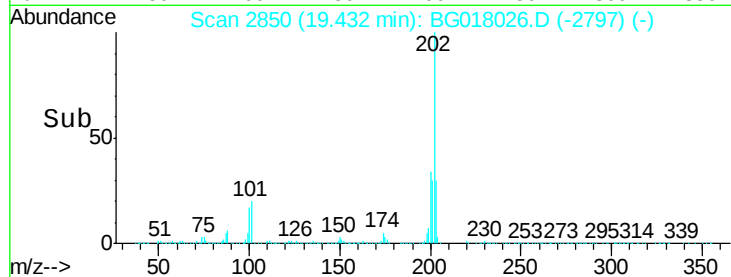
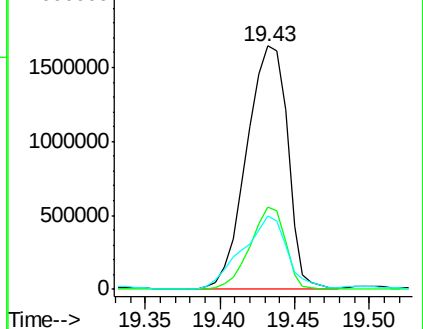
203 30.0 15.9 23.9#



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: 50.45 ng

RT: 19.64 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

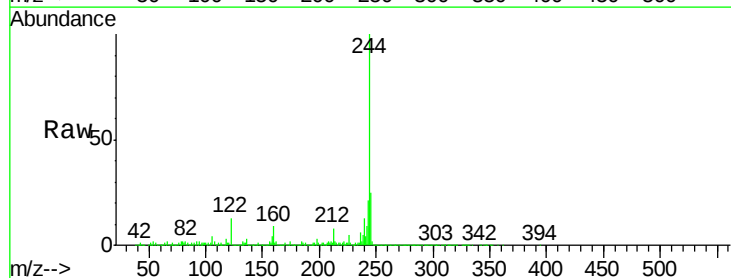
Tgt Ion:244 Resp: 1588022

Ion Ratio Lower Upper

244 100

212 8.4 7.2 10.8

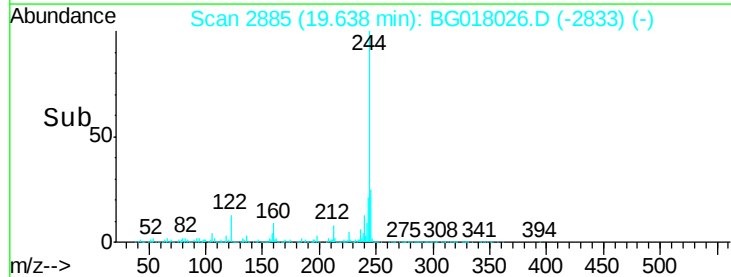
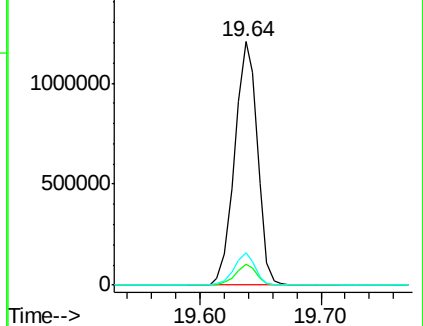
122 13.1 12.8 19.2

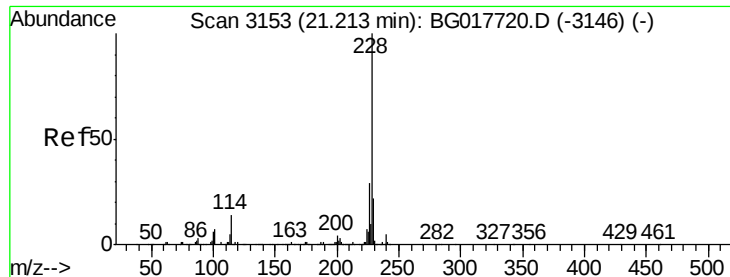


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 45.14 ng

RT: 21.18 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

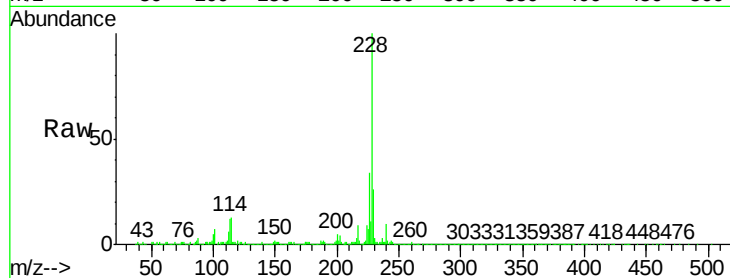
Tgt Ion:228 Resp: 1890393

Ion Ratio Lower Upper

228 100

226 34.3 23.1 34.7

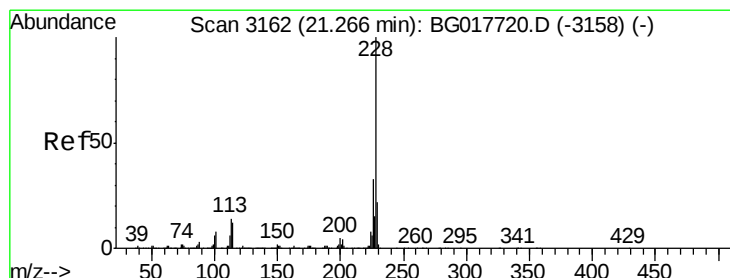
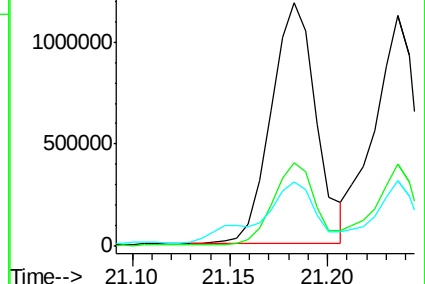
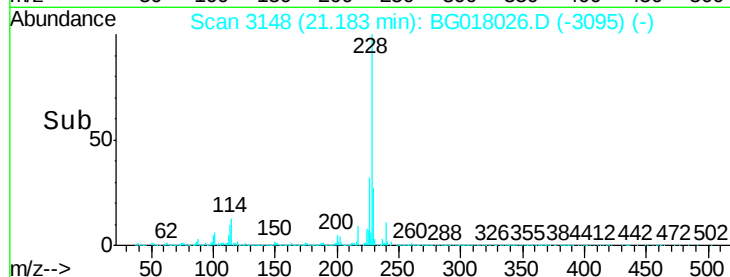
229 26.4 17.4 26.0#



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: 42.19 ng m

RT: 21.24 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

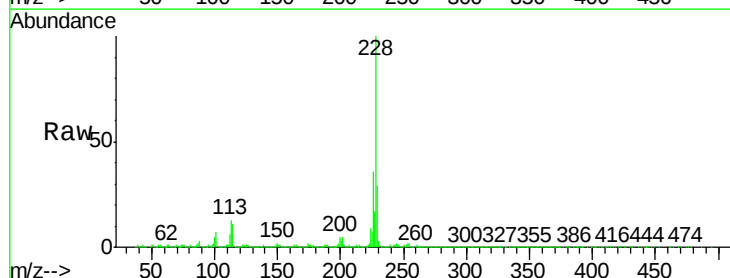
Tgt Ion:228 Resp: 1682999

Ion Ratio Lower Upper

228 100

226 35.6 26.1 39.1

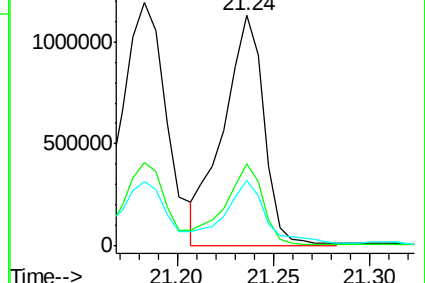
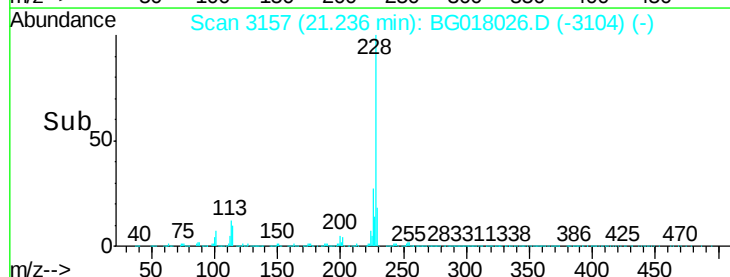
229 28.6 17.7 26.5#

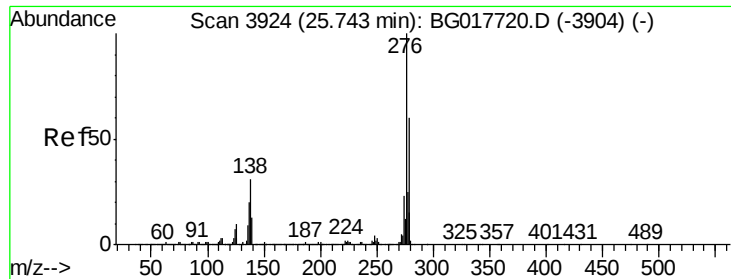


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.40 ng

RT: 25.68 min Scan# 3913

Delta R.T. 0.03 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

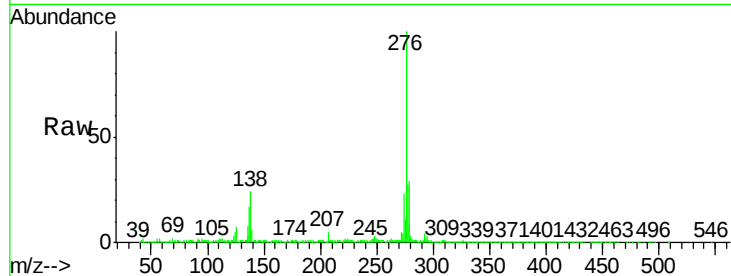
Tgt Ion:276 Resp: 936046

Ion Ratio Lower Upper

276 100

138 20.2 25.4 38.0#

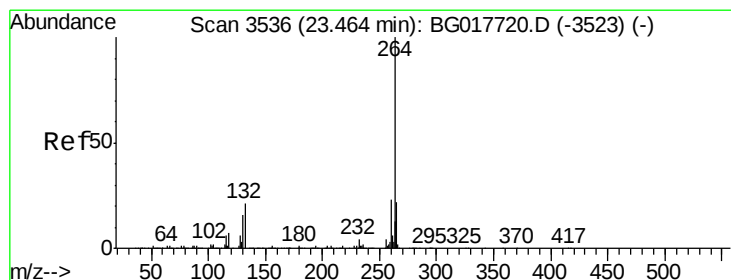
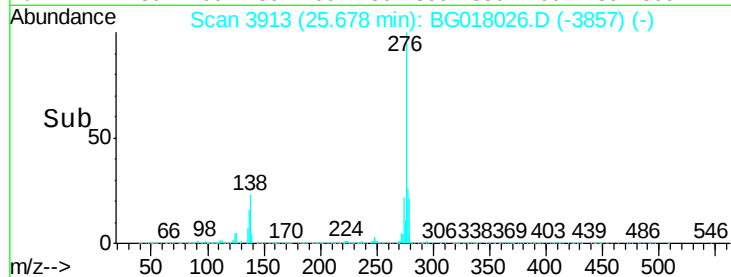
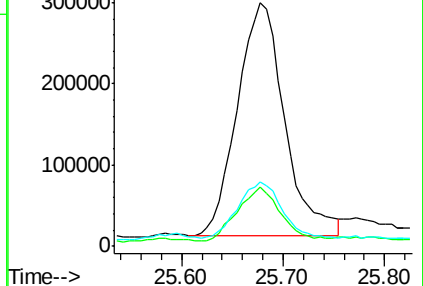
277 22.3 21.0 31.4



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: 23.42 min Scan# 3529

Delta R.T. 0.02 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

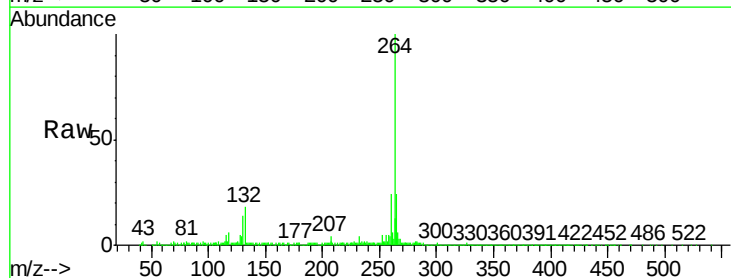
Tgt Ion:264 Resp: 834092

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

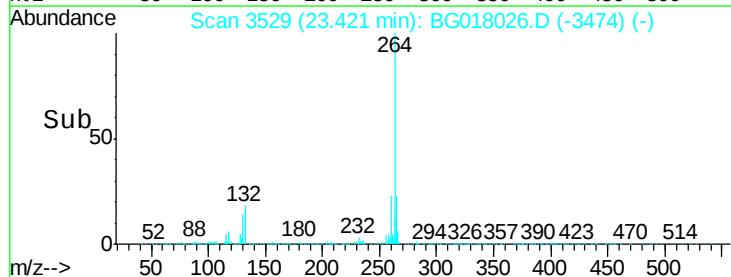
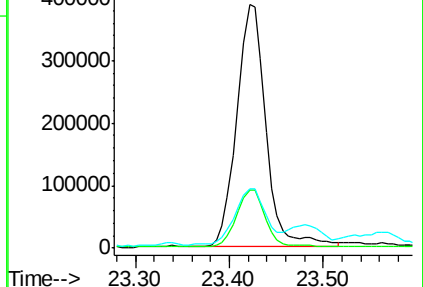
265 24.1 18.2 27.2

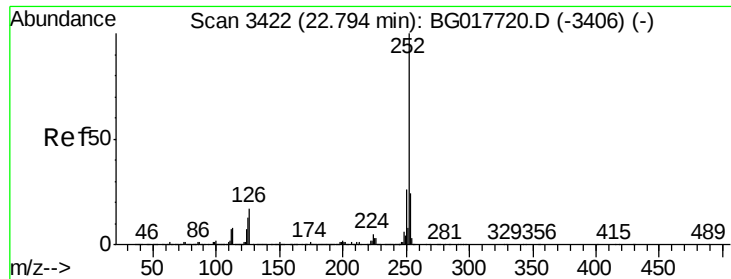


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 49.15 ng m

RT: 22.76 min Scan# 3417

Delta R.T. 0.03 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

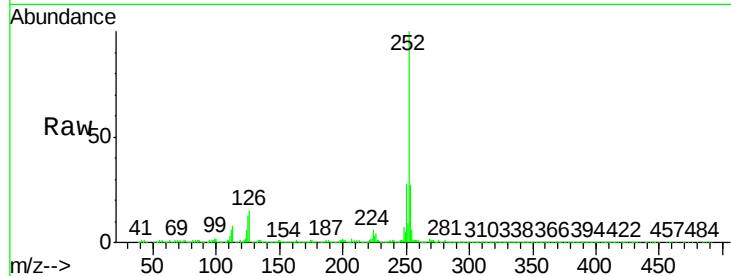
Tgt Ion:252 Resp: 2243264

Ion Ratio Lower Upper

252 100

253 26.7 19.7 29.5

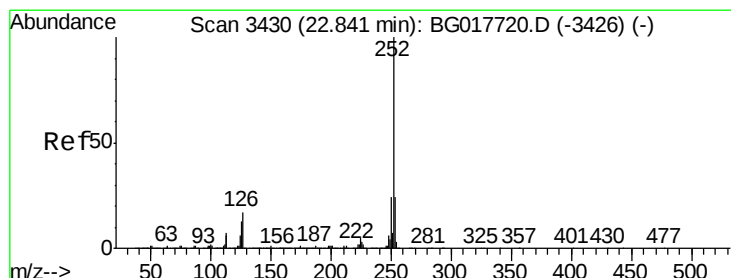
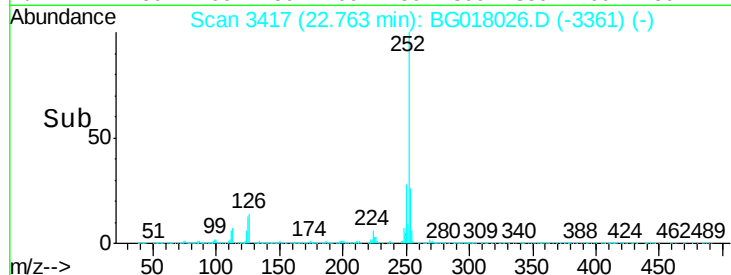
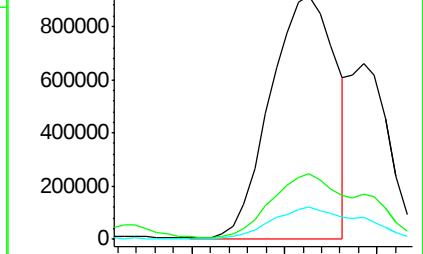
125 13.1 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 21.52 ng m

RT: 22.79 min Scan# 3422

Delta R.T. 0.01 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

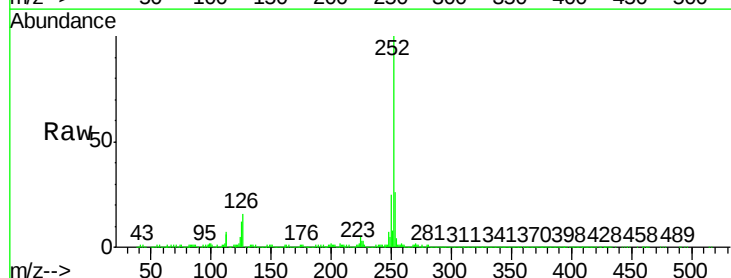
Tgt Ion:252 Resp: 980861

Ion Ratio Lower Upper

252 100

253 25.7 19.0 28.6

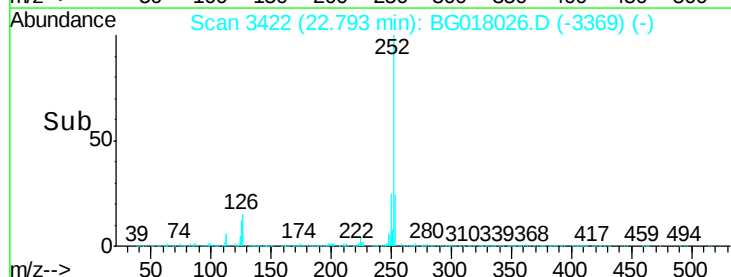
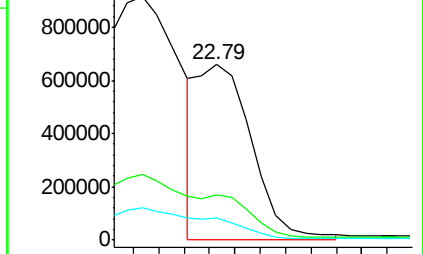
125 12.3 10.3 15.5

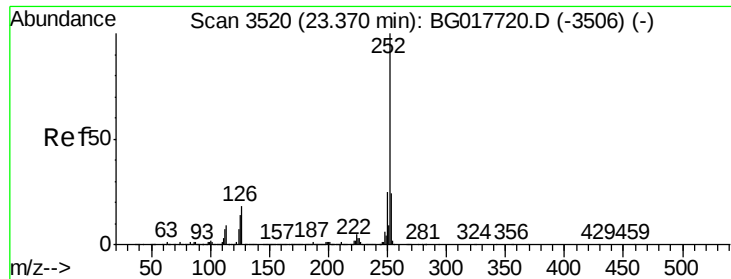


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 45.18 ng

RT: 23.33 min Scan# 3513

Delta R.T. 0.03 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

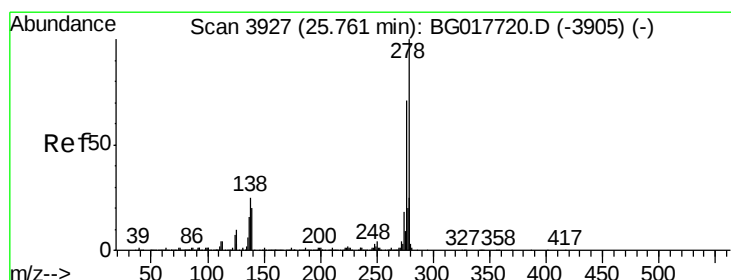
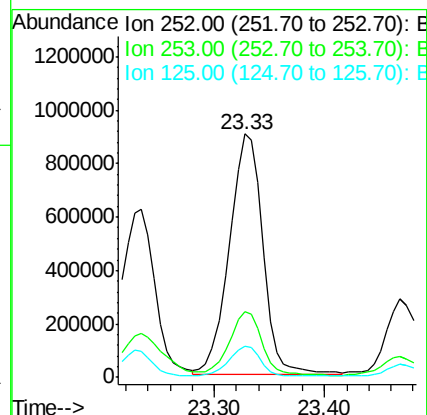
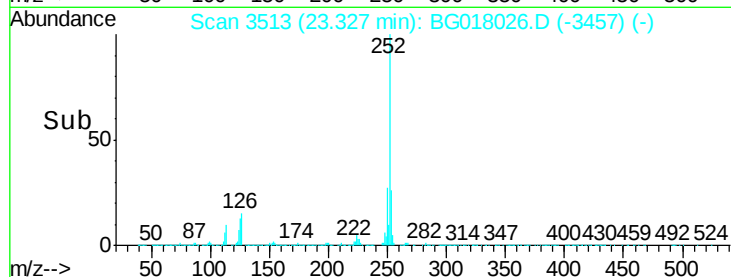
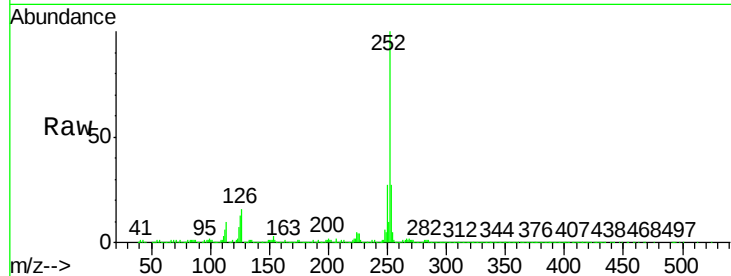
Tgt Ion:252 Resp: 1920781

Ion Ratio Lower Upper

252 100

253 26.8 19.0 28.6

125 12.8 11.1 16.7



#90

Dibenzo(a,h)anthracene

Concen: 5.09 ng m

RT: 25.68 min Scan# 3913

Delta R.T. 0.02 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

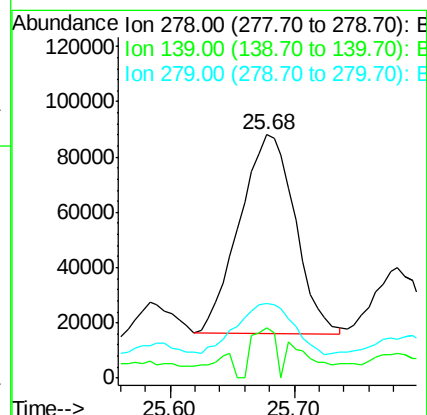
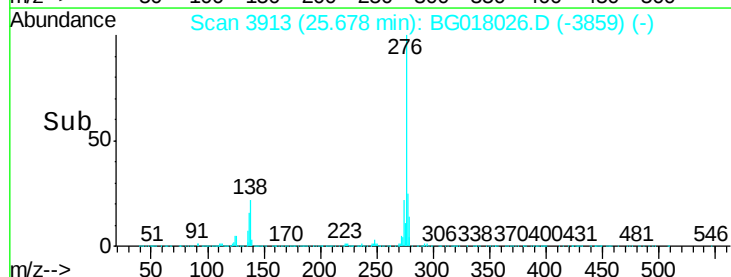
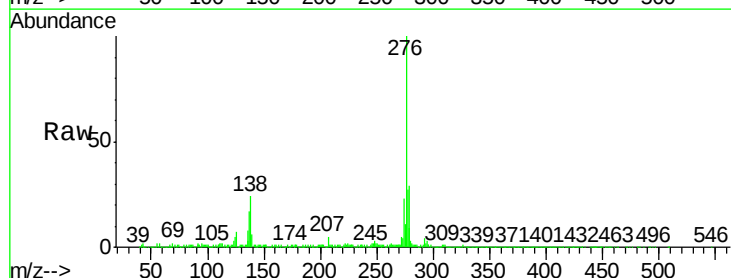
Tgt Ion:278 Resp: 224232

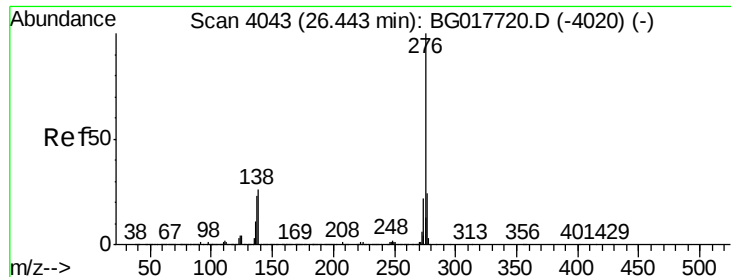
Ion Ratio Lower Upper

278 100

139 20.5 16.2 24.2

279 30.4 19.9 29.9#





#91

Benzo(g,h,i)perylene

Concen: 22.76 ng

RT: 26.38 min Scan# 4032

Delta R.T. 0.04 min

Lab File: BG018026.D

Acq: 21 Jul 2015 17:09

Instrument :

BNA_G

ClientSampleId :

TEC-B2

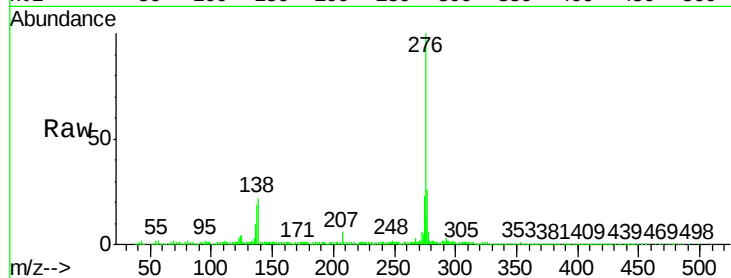
Tgt Ion: 276 Resp: 967658

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 22.2 20.8 31.2



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

