

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018036.D
 Acq On : 22 Jul 2015 00:45
 Operator : TP/UM
 Sample : G2954-20DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B2DL

Quant Time: Jul 22 04:22:12 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 04:14:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	77747	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	380654	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	258649	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	541769	20.00	ng	0.00
75) Chrysene-d12	21.17	240	604843	20.00	ng	0.00
86) Perylene-d12	23.37	264	633943	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	266469	59.79	ng	0.00
7) Phenol-d6	6.74	99	393518	67.40	ng	0.00
23) Nitrobenzene-d5	8.70	82	226193	38.49	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	160054	61.08	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	478156	32.04	ng	0.00
78) Terphenyl-d14	19.61	244	633410	26.38	ng	0.00

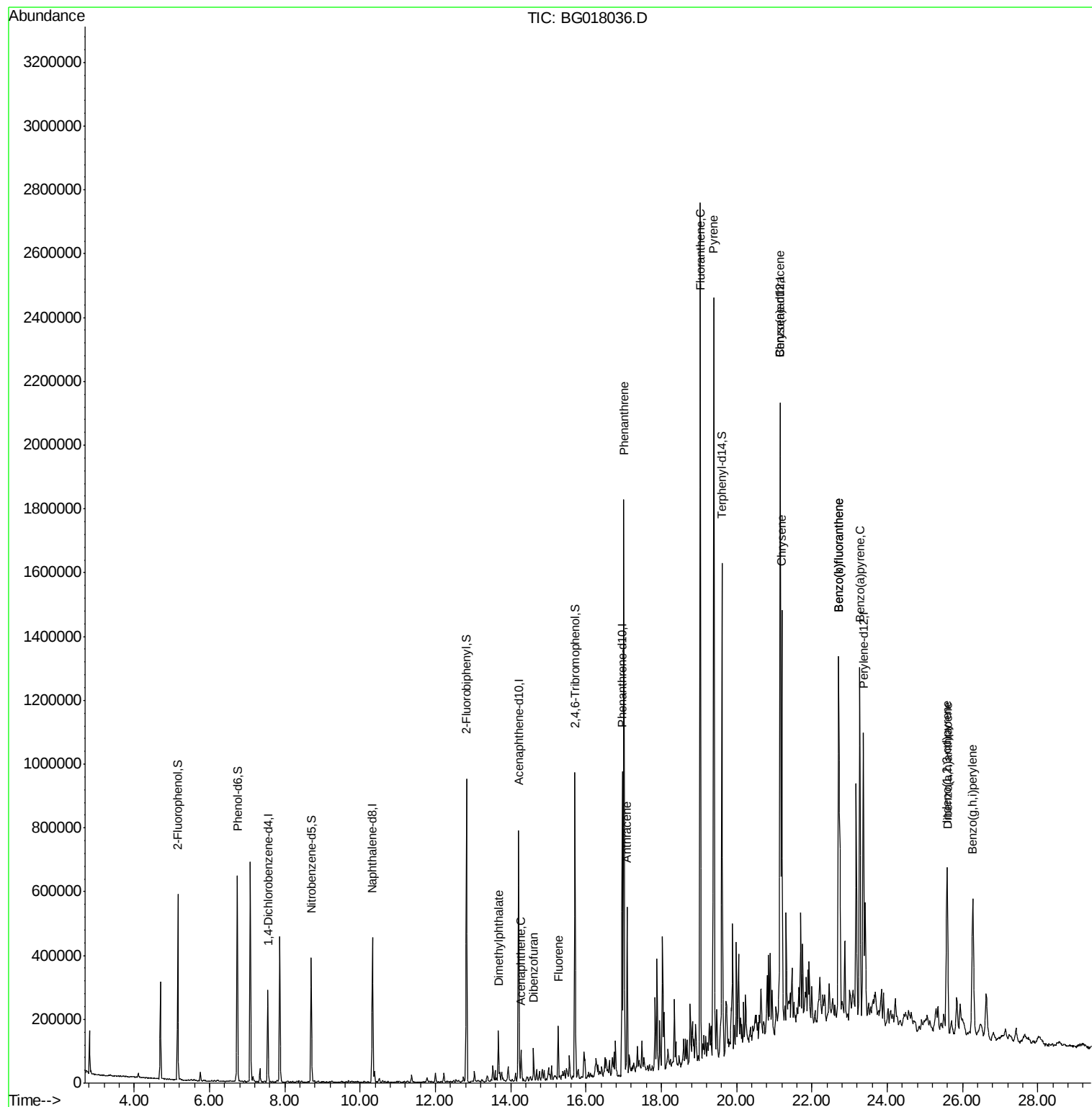
Target Compounds				Qvalue		
32) Benzoic acid	9.90	122	73	Below Cal		93
49) Dimethylphthalate	13.68	163	107233	5.97 ng		99
51) Acenaphthene	14.27	154	33779	2.28 ng		98
54) Dibenzofuran	14.61	168	48189	2.25 ng		94
57) Fluorene	15.26	166	63695	3.47 ng		95
69) Pentachlorophenol	16.62	266	327	Below Cal		94
70) Phenanthrene	17.01	178	1037822	37.14 ng		98
71) Anthracene	17.09	178	310358	11.41 ng		98
74) Fluoranthene	19.04	202	1546901	50.56 ng		97
77) Pyrene	19.40	202	1463412	43.38 ng		99
80) Benzo(a)anthracene	21.15	228	762986	23.88 ng		99
82) Chrysene	21.20	228	669587	22.01 ng		97
85) Indeno(1,2,3-cd)pyrene	25.59	276	486903	13.23 ng	#	92
87) Benzo(b)fluoranthene	22.71	252	1240902	35.78 ng		97
88) Benzo(k)fluoranthene	22.71	252	1240902	35.83 ng		98
89) Benzo(a)pyrene	23.28	252	753142	23.31 ng		97
90) Dibenzo(a,h)anthracene	25.60	278	134023	4.00 ng	#	77
91) Benzo(g,h,i)perylene	26.28	276	500954	15.50 ng		96

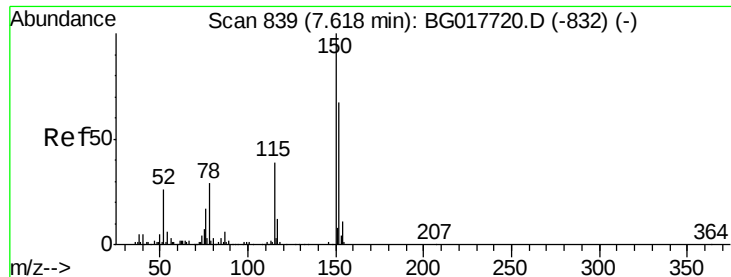
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
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Misc :
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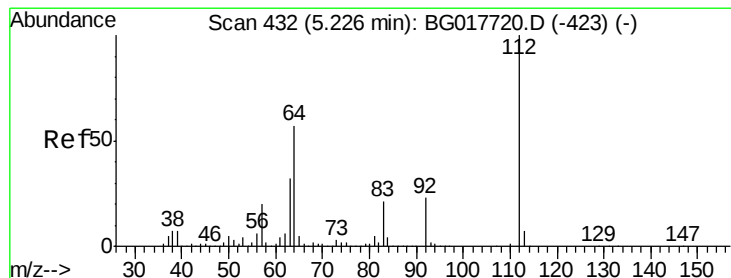
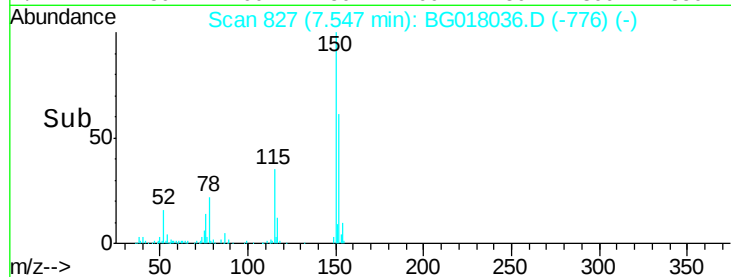
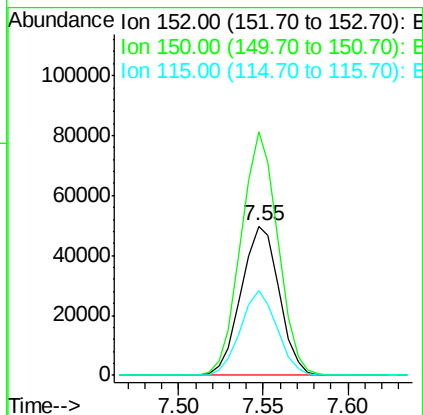
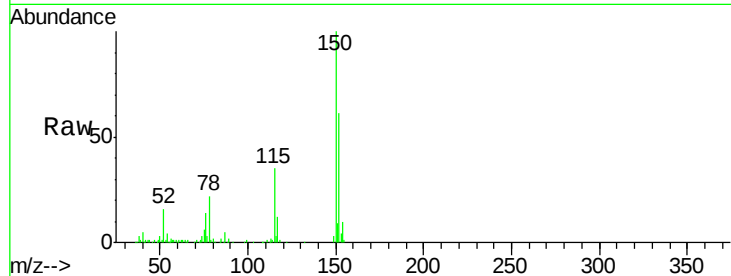


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018036.D
Acq: 22 Jul 2015 00:45

Instrument :
BNA_G
ClientSampled :
TEC-B2DL

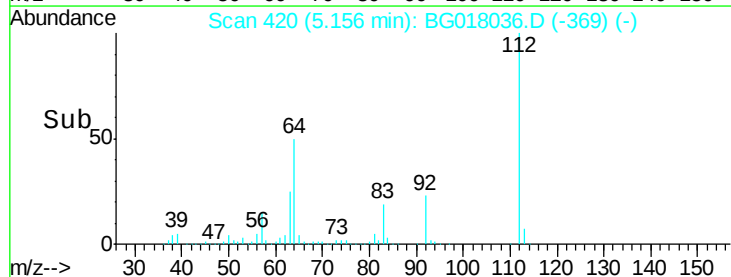
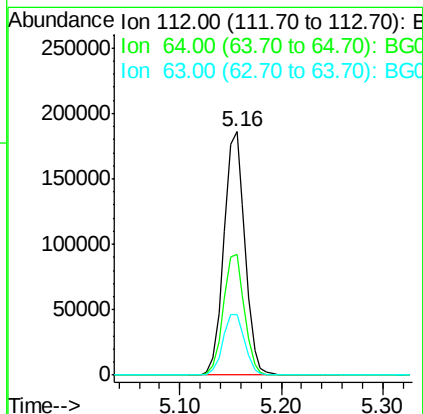
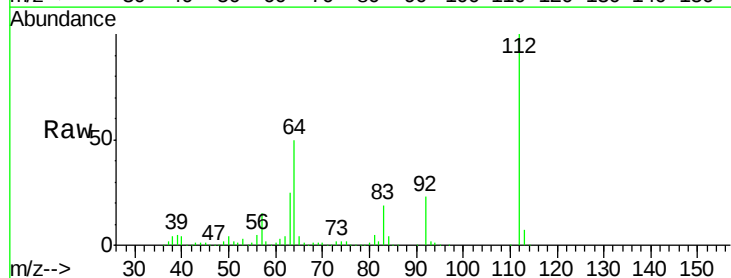
Tgt Ion:152 Resp: 77747
Ion Ratio Lower Upper
152 100
150 162.8 119.1 178.7
115 56.8 47.0 70.4

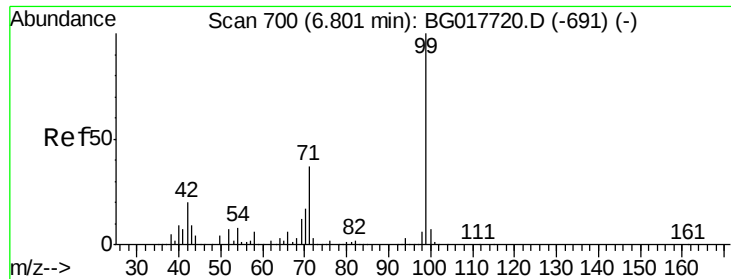


#5

2-Fluorophenol
Concen: 59.79 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG018036.D
Acq: 22 Jul 2015 00:45

Tgt Ion:112 Resp: 266469
Ion Ratio Lower Upper
112 100
64 49.8 45.4 68.0
63 25.1 25.3 37.9#





#7

Phenol-d6

Concen: 67.40 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

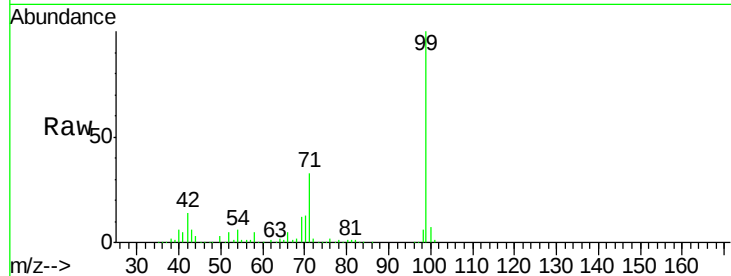
Tgt Ion: 99 Resp: 393518

Ion Ratio Lower Upper

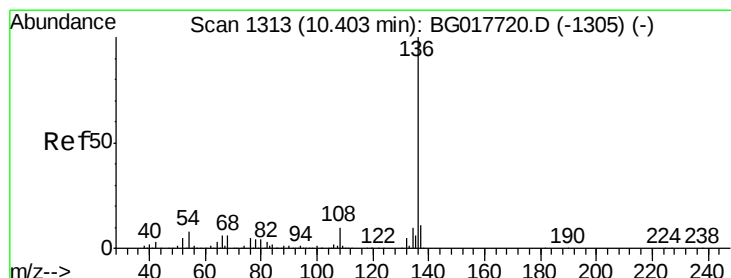
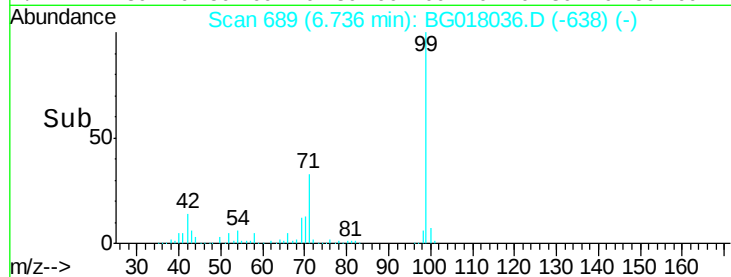
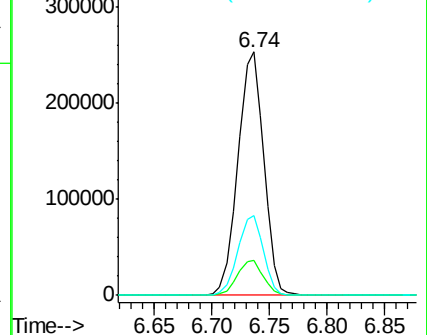
99 100

42 14.2 16.2 24.4#

71 32.7 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: 10.33 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Tgt Ion: 136 Resp: 380654

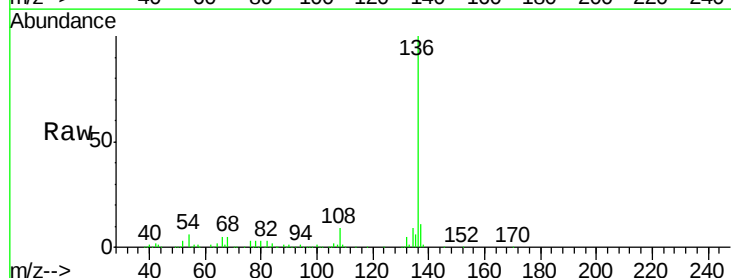
Ion Ratio Lower Upper

136 100

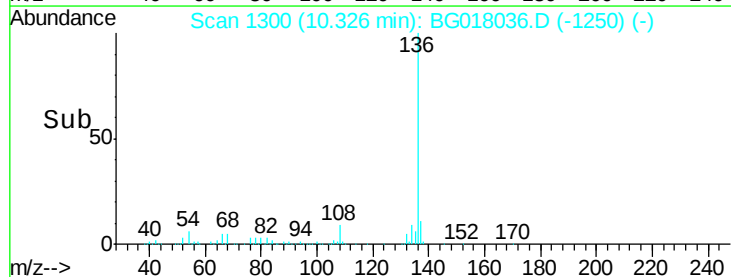
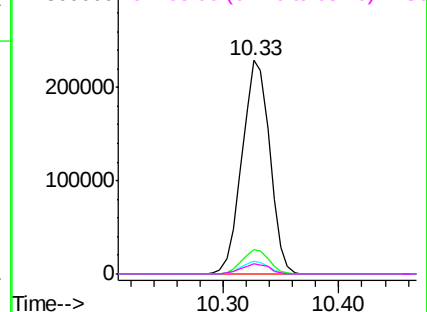
137 11.4 8.8 13.2

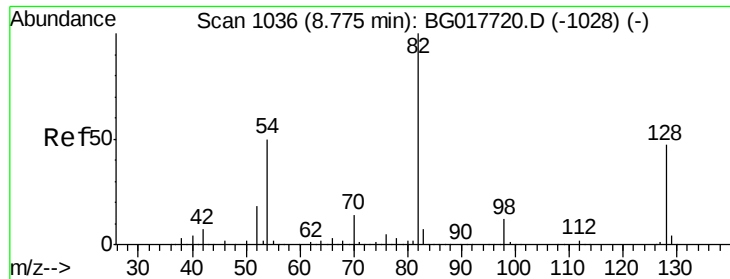
54 5.8 6.6 9.8#

68 5.0 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

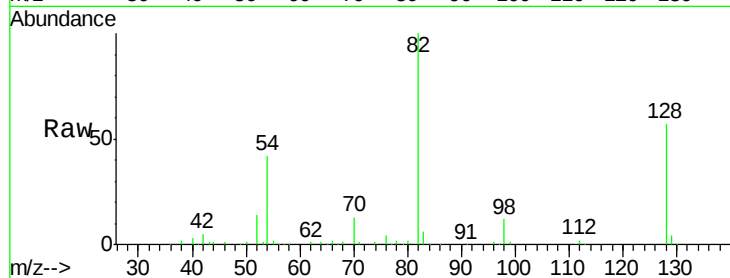




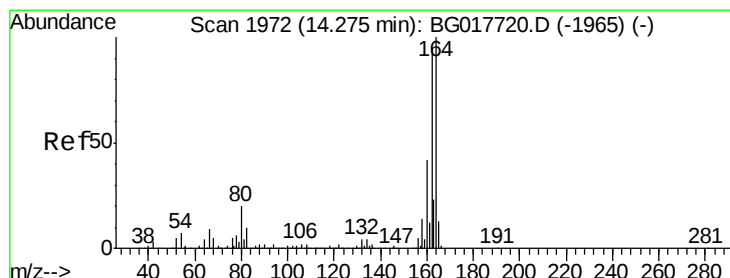
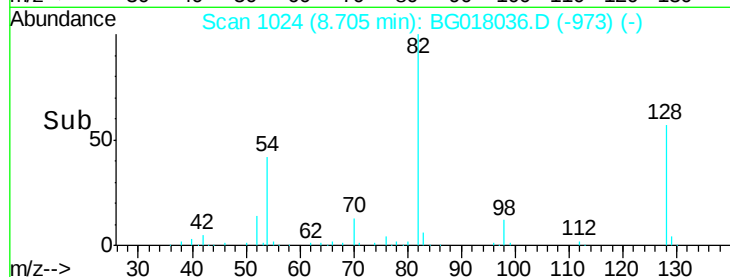
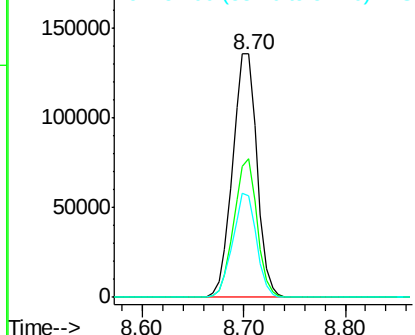
#23
 Nitrobenzene-d5
 Concen: 38.49 ng
 RT: 8.70 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BG018036.D
 Acq: 22 Jul 2015 00:45

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B2DL

Tgt Ion: 82 Resp: 226193
 Ion Ratio Lower Upper
 82 100
 128 57.2 37.8 56.6#
 54 41.7 39.9 59.9

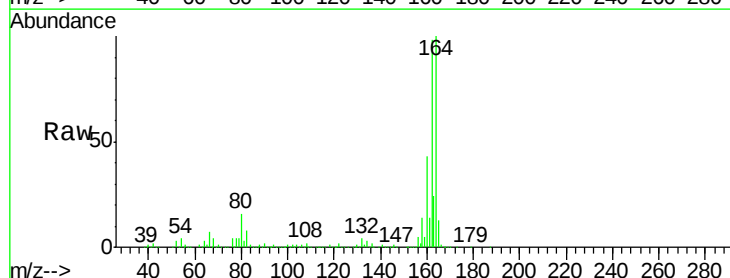


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

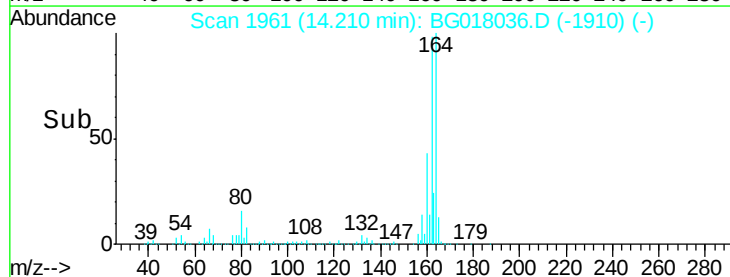
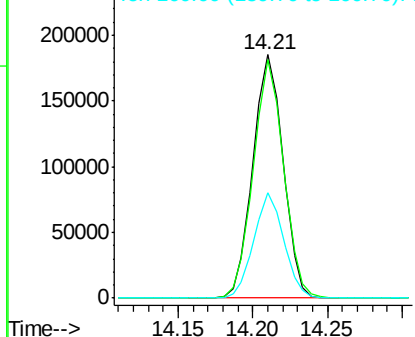


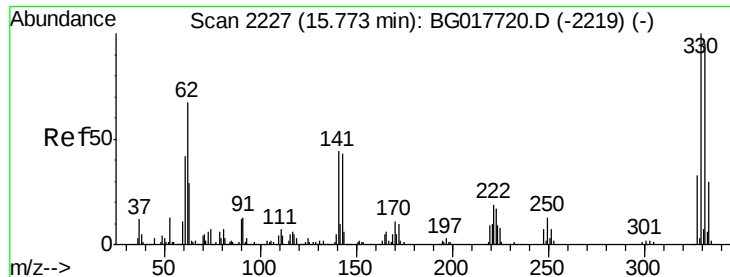
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.21 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BG018036.D
 Acq: 22 Jul 2015 00:45

Tgt Ion: 164 Resp: 258649
 Ion Ratio Lower Upper
 164 100
 162 97.9 76.3 114.5
 160 43.3 33.7 50.5



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

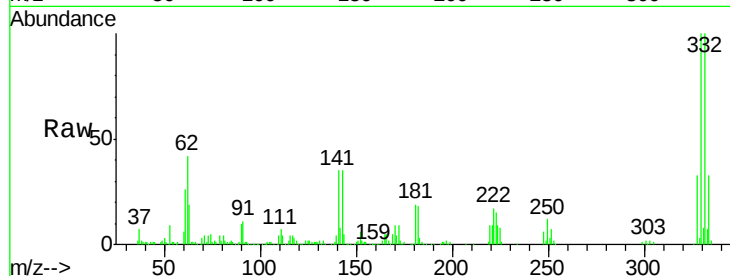




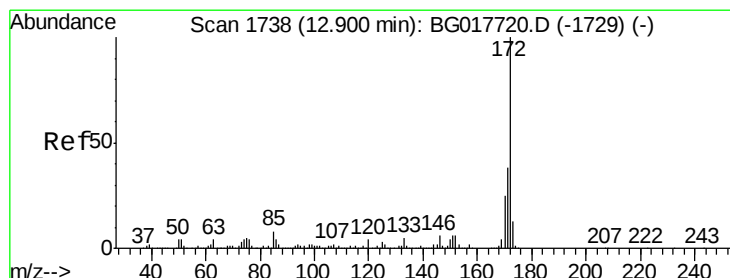
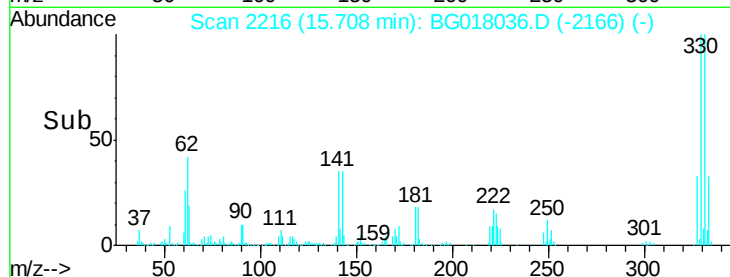
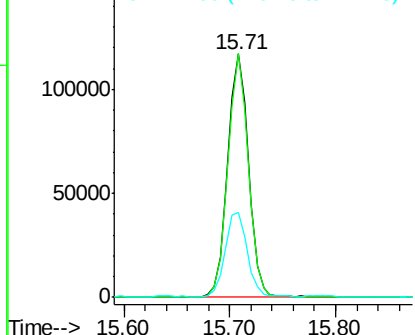
#41
 2,4,6-Tribromophenol
 Concen: 61.08 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG018036.D
 Acq: 22 Jul 2015 00:45

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B2DL

Tgt Ion: 330 Resp: 160054
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.8 115.2
 141 36.5 38.0 57.0#

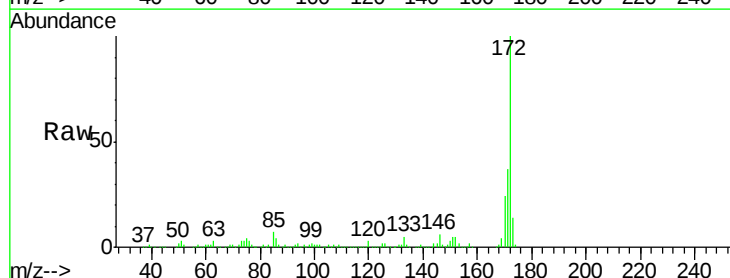


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

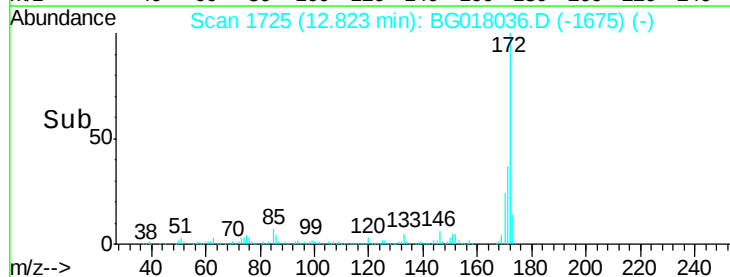
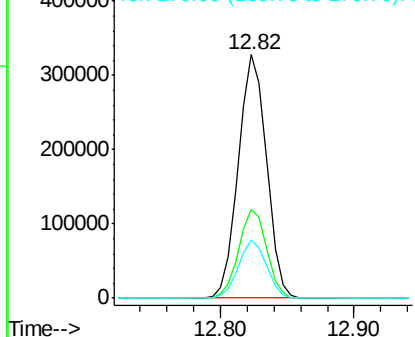


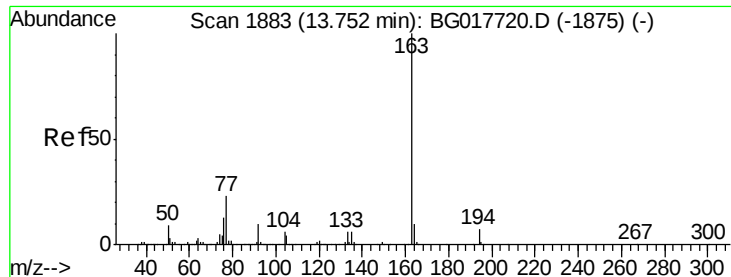
#44
 2-Fluorobiphenyl
 Concen: 32.04 ng
 RT: 12.82 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG018036.D
 Acq: 22 Jul 2015 00:45

Tgt Ion: 172 Resp: 478156
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.7 46.1
 170 24.0 19.7 29.5



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: 5.97 ng

RT: 13.68 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

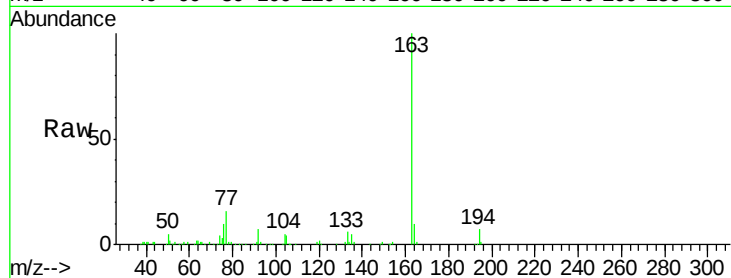
Tgt Ion:163 Resp: 107233

Ion Ratio Lower Upper

163 100

194 6.7 5.8 8.6

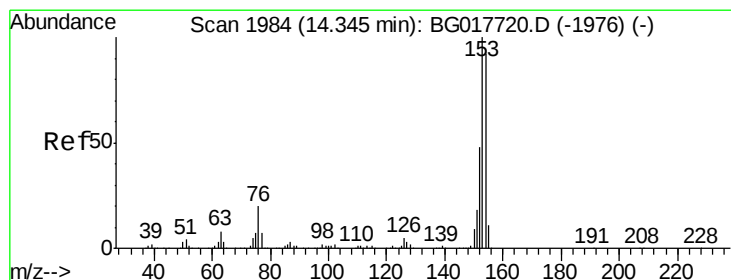
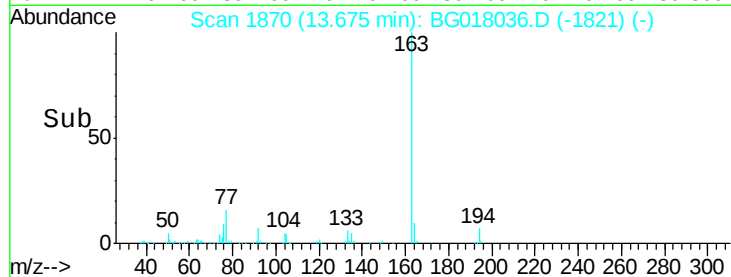
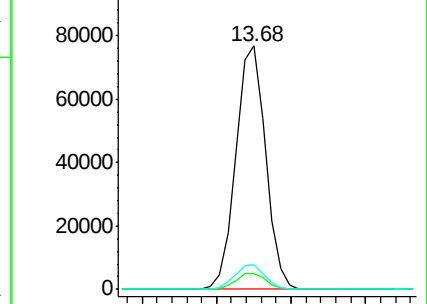
164 10.3 8.3 12.5



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



#51

Acenaphthene

Concen: 2.28 ng

RT: 14.27 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

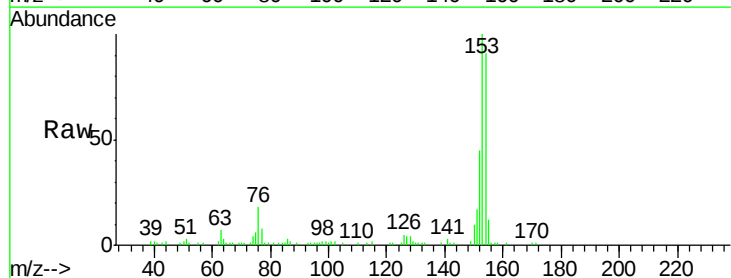
Tgt Ion:154 Resp: 33779

Ion Ratio Lower Upper

154 100

153 110.1 87.0 130.4

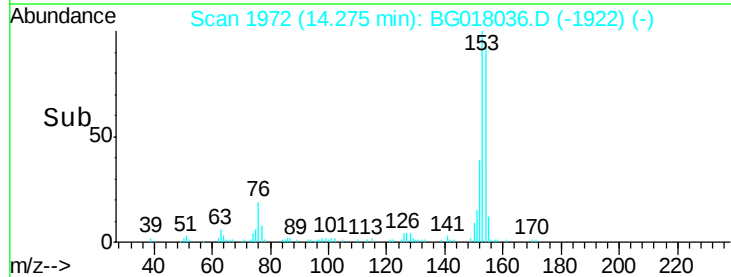
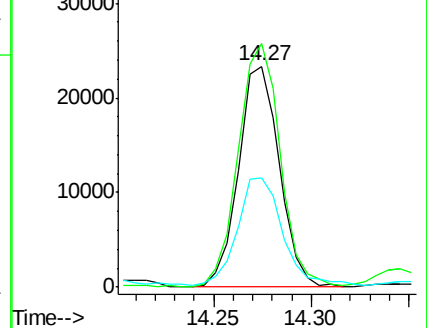
152 49.3 41.4 62.0

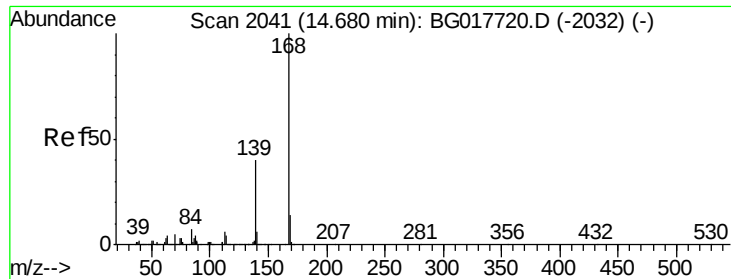


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.25 ng

RT: 14.61 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

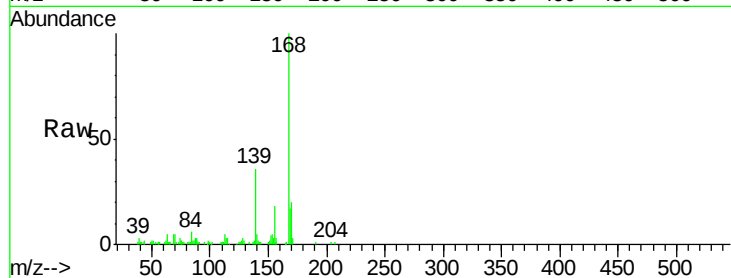
Tgt Ion:168 Resp: 48189

Ion Ratio Lower Upper

168 100

139 36.2 32.2 48.2

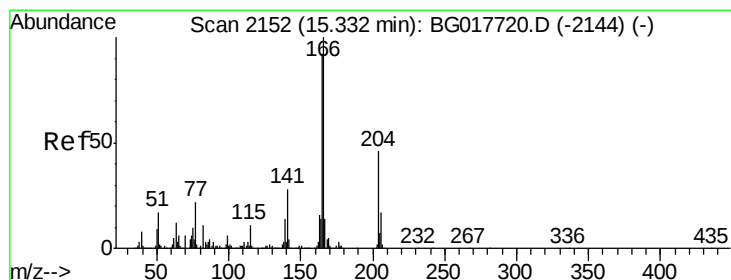
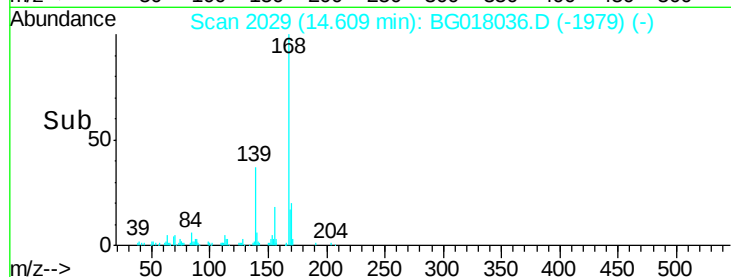
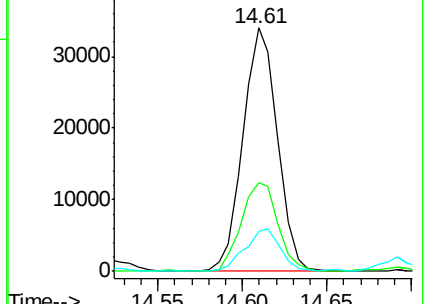
169 16.6 11.3 16.9



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: 3.47 ng

RT: 15.26 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

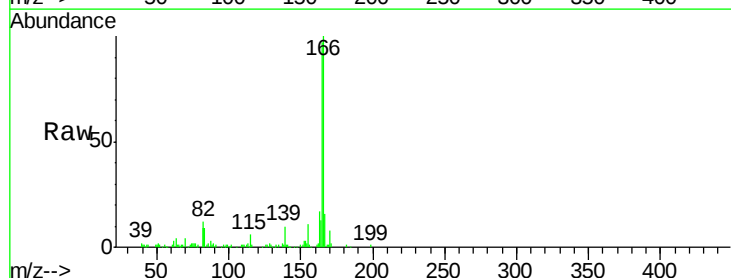
Tgt Ion:166 Resp: 63695

Ion Ratio Lower Upper

166 100

165 96.7 73.4 110.0

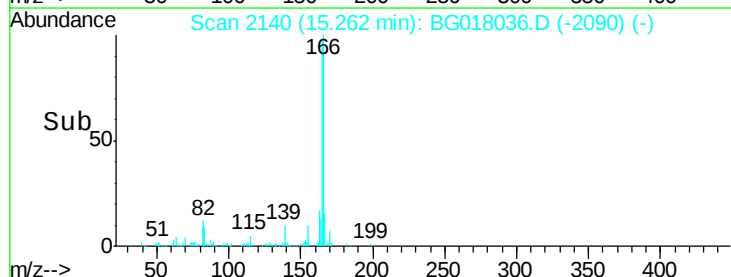
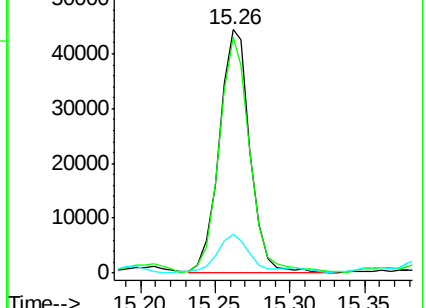
167 16.1 11.0 16.6

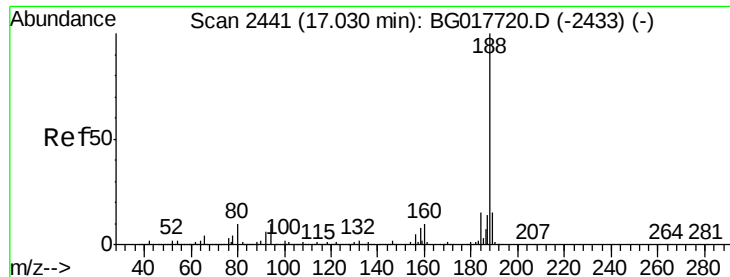


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.97 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

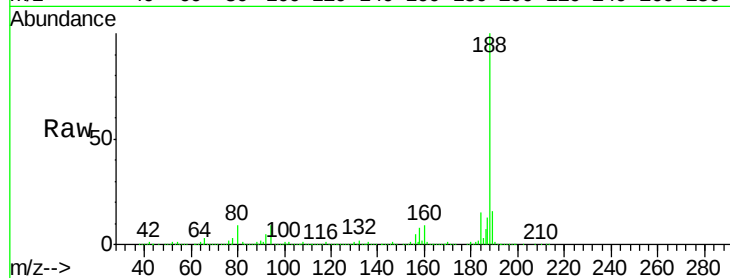
Tgt Ion:188 Resp: 541769

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

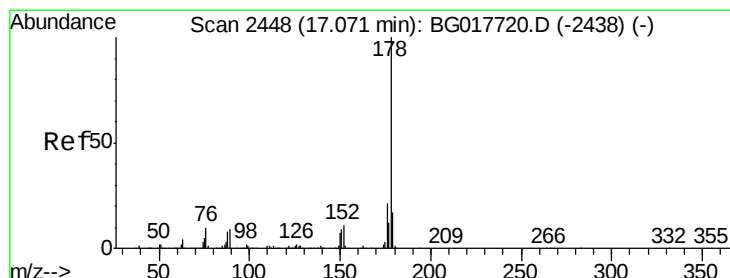
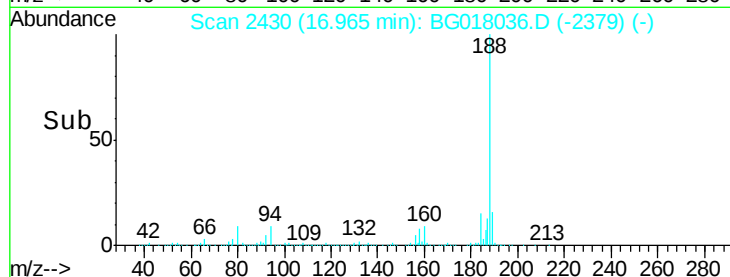
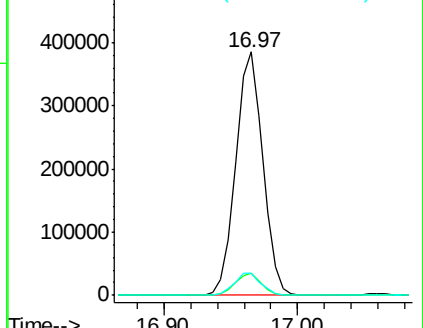
80 9.1 8.2 12.4



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: 37.14 ng

RT: 17.01 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

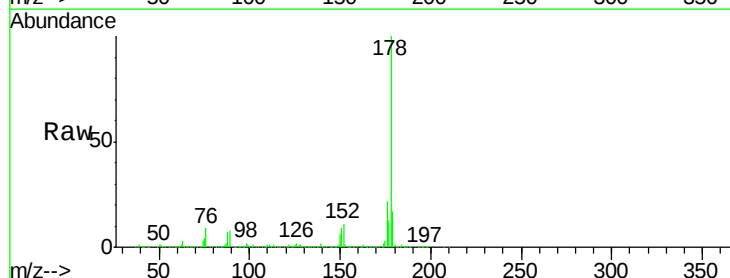
Tgt Ion:178 Resp: 1037822

Ion Ratio Lower Upper

178 100

176 21.8 16.5 24.7

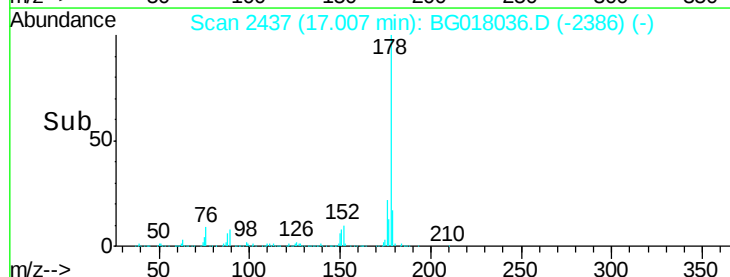
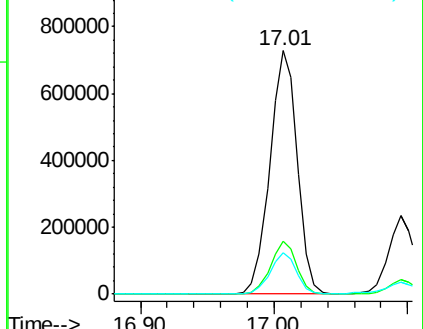
179 17.2 13.5 20.3

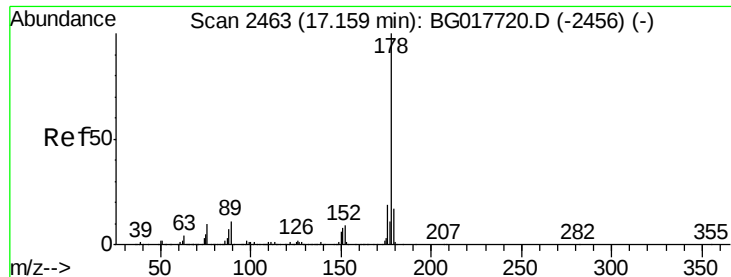


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

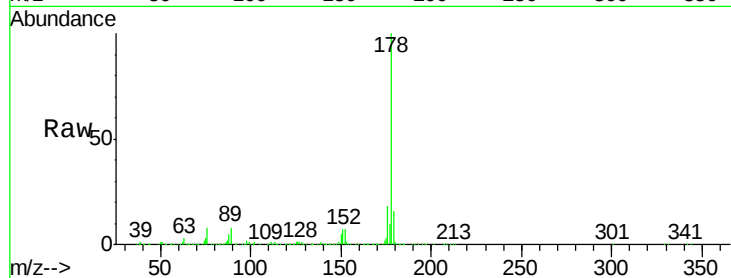




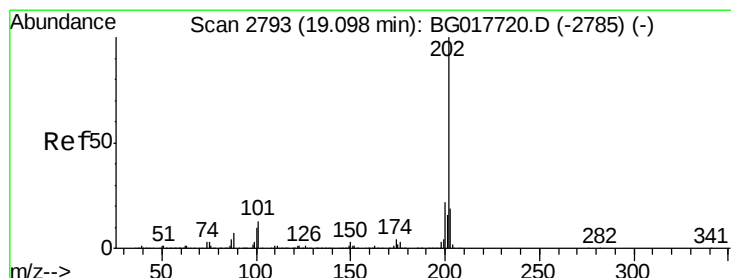
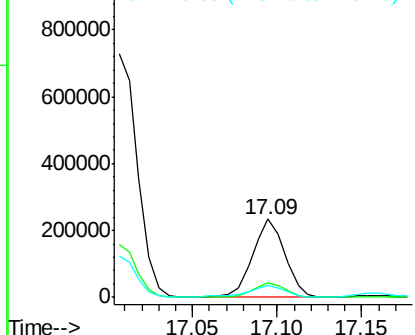
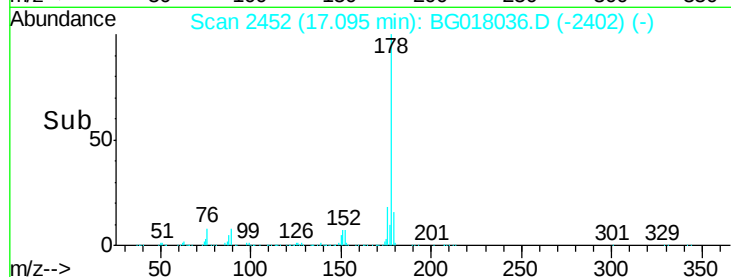
#71
 Anthracene
 Concen: 11.41 ng
 RT: 17.09 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: BG018036.D
 Acq: 22 Jul 2015 00:45

Instrument :
 BNA_G
 ClientSampleId :
 TEC-B2DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.7	13.6	20.4

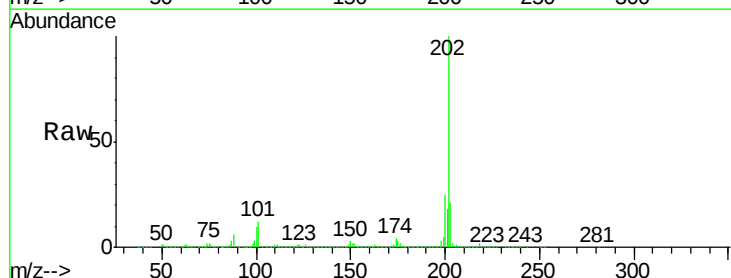


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

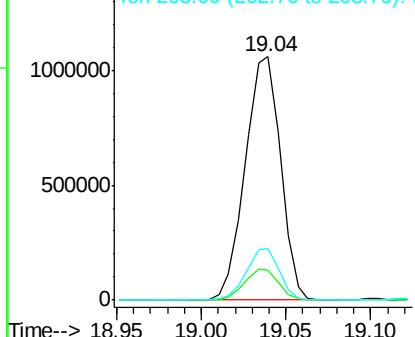
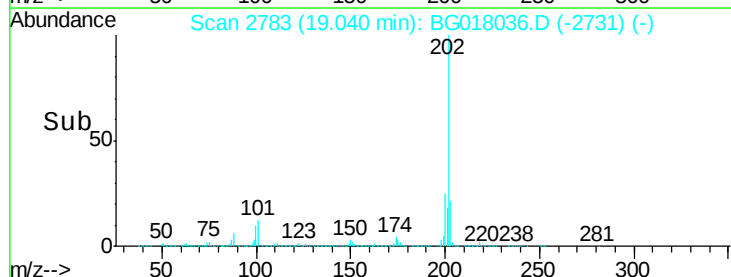


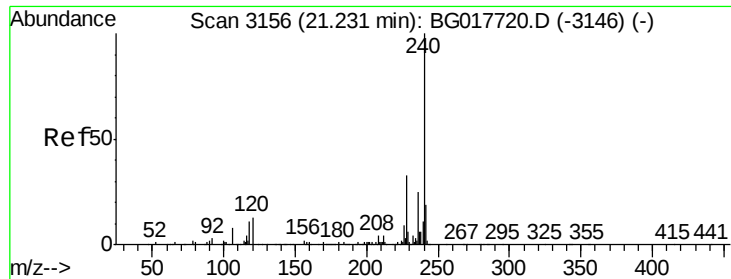
#74
 Fluoranthene
 Concen: 50.56 ng
 RT: 19.04 min Scan# 2783
 Delta R.T. 0.01 min
 Lab File: BG018036.D
 Acq: 22 Jul 2015 00:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.3
203	21.2	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: 21.17 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

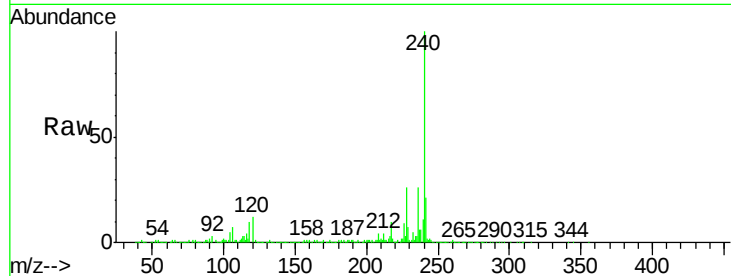
Tgt Ion:240 Resp: 604843

Ion Ratio Lower Upper

240 100

120 12.0 10.8 16.2

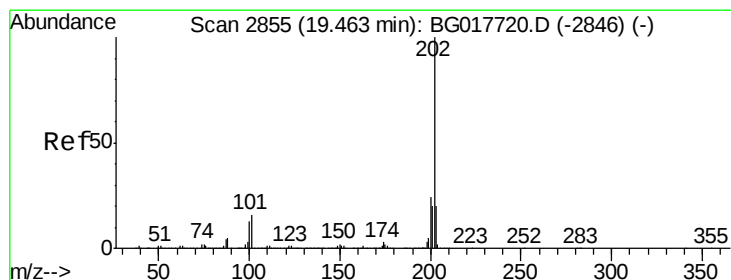
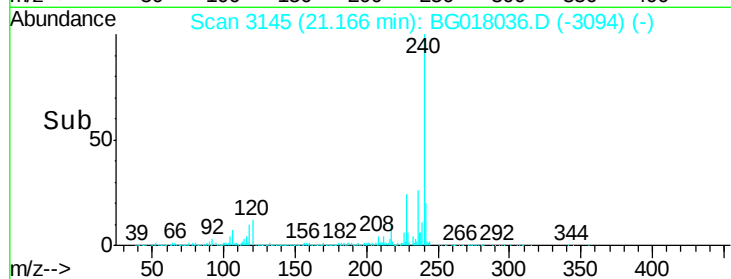
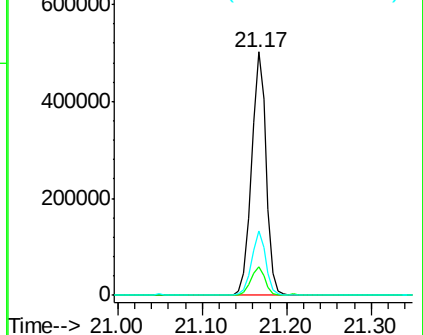
236 26.3 20.0 30.0



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: 43.38 ng

RT: 19.40 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

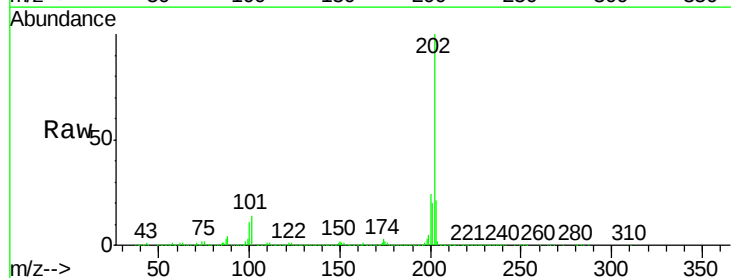
Tgt Ion:202 Resp: 1463412

Ion Ratio Lower Upper

202 100

200 23.8 18.8 28.2

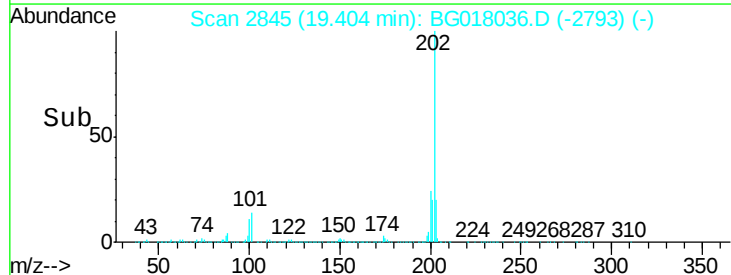
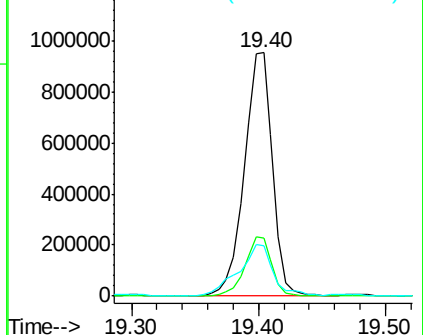
203 20.7 15.9 23.9

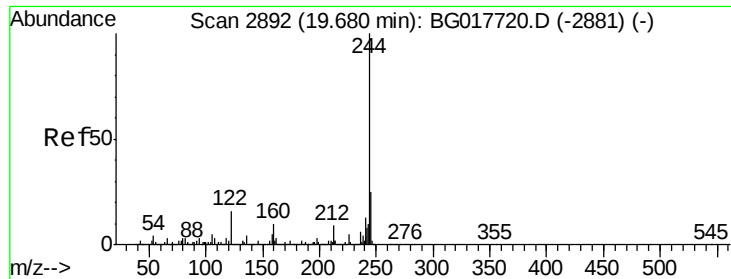


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.38 ng

RT: 19.61 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

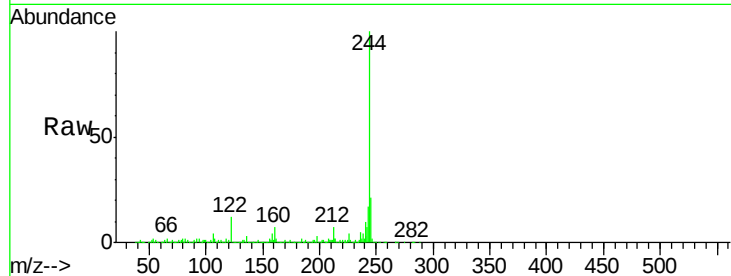
Tgt Ion:244 Resp: 633410

Ion Ratio Lower Upper

244 100

212 7.3 7.2 10.8

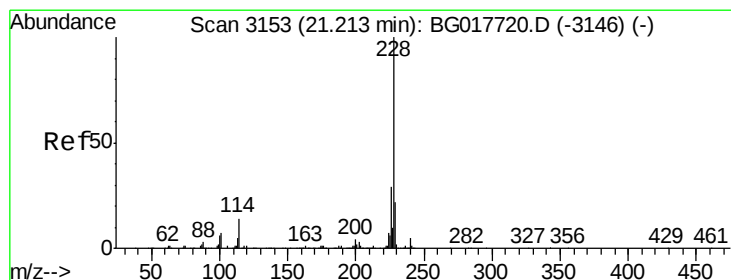
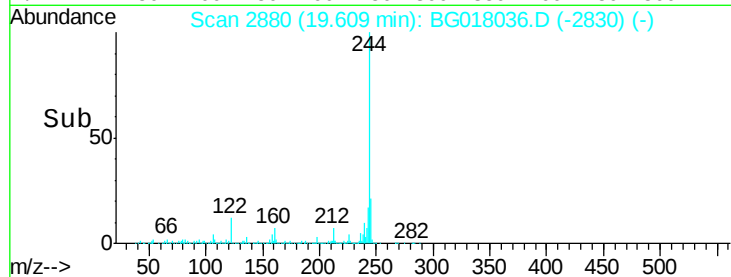
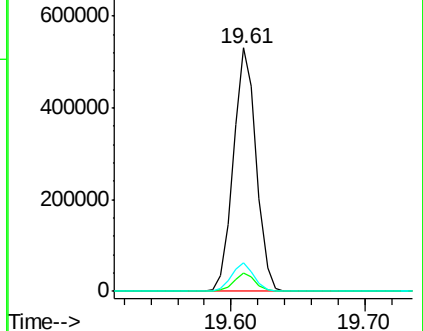
122 11.8 12.8 19.2#



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: 23.88 ng

RT: 21.15 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

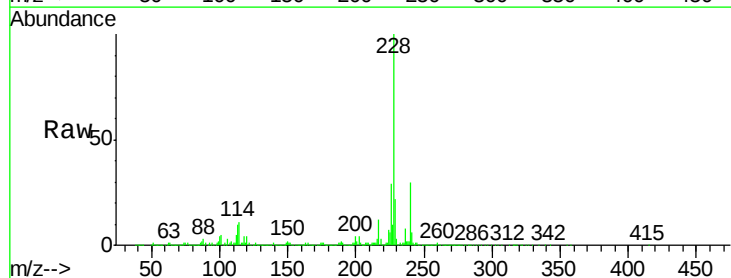
Tgt Ion:228 Resp: 762986

Ion Ratio Lower Upper

228 100

226 29.4 23.1 34.7

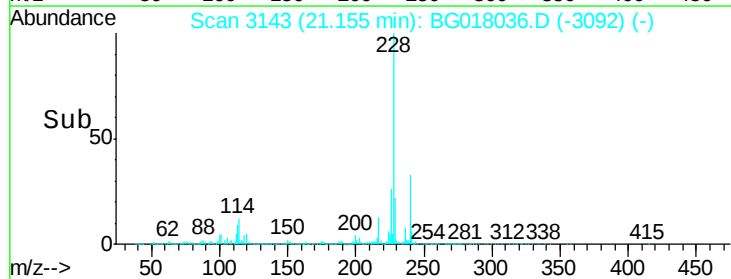
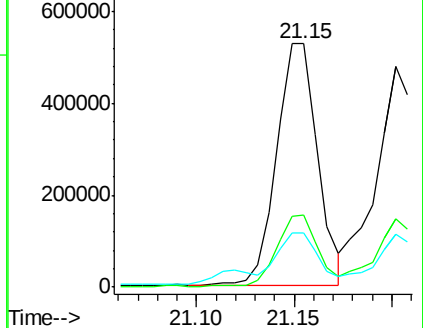
229 22.4 17.4 26.0

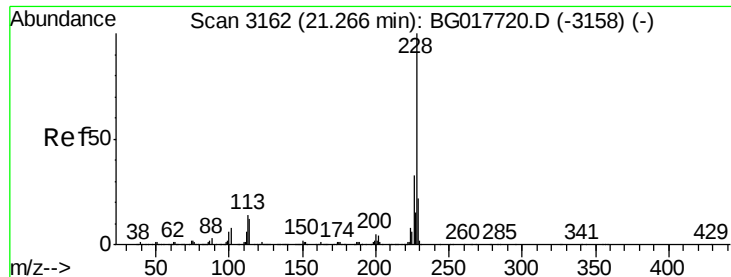


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.01 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampleId :

TEC-B2DL

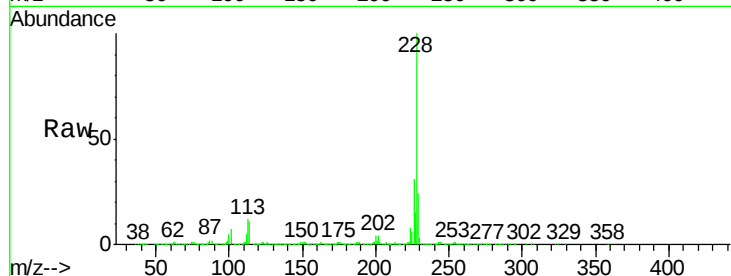
Tgt Ion:228 Resp: 669587

Ion Ratio Lower Upper

228 100

226 30.9 26.1 39.1

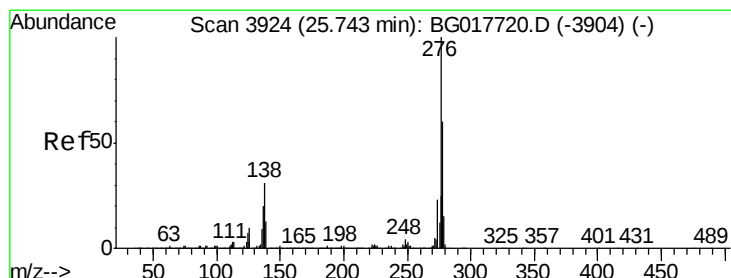
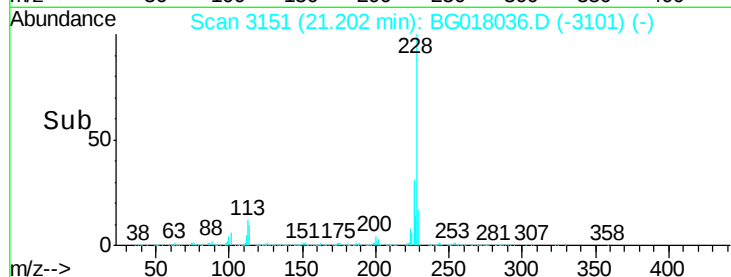
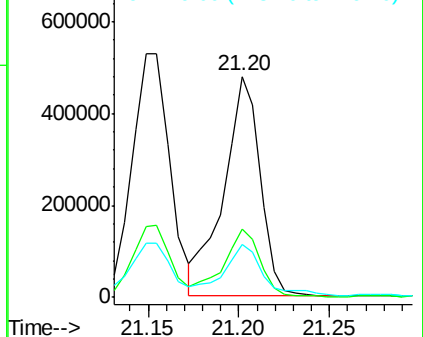
229 23.9 17.7 26.5



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: 13.23 ng

RT: 25.59 min Scan# 3898

Delta R.T. -0.01 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

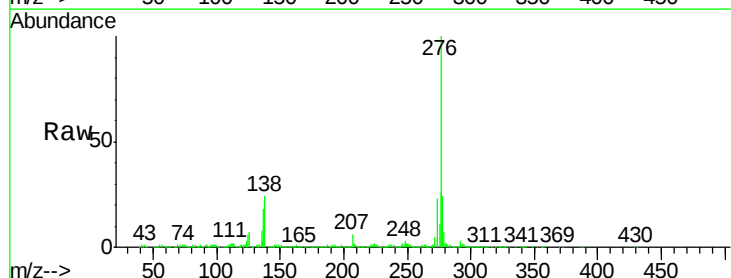
Tgt Ion:276 Resp: 486903

Ion Ratio Lower Upper

276 100

138 24.1 25.4 38.0#

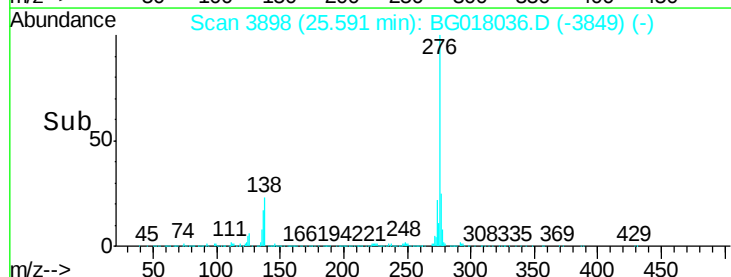
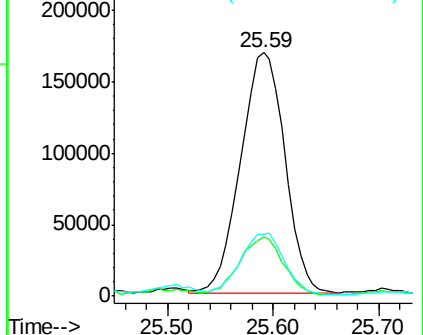
277 25.7 21.0 31.4

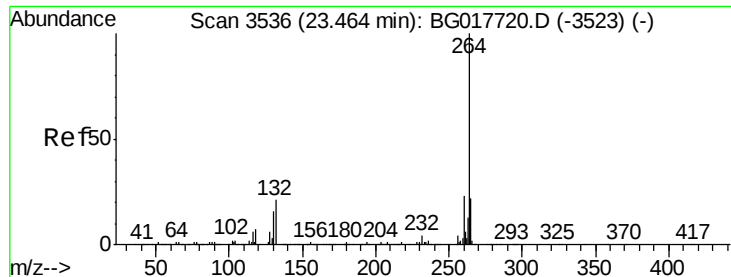


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



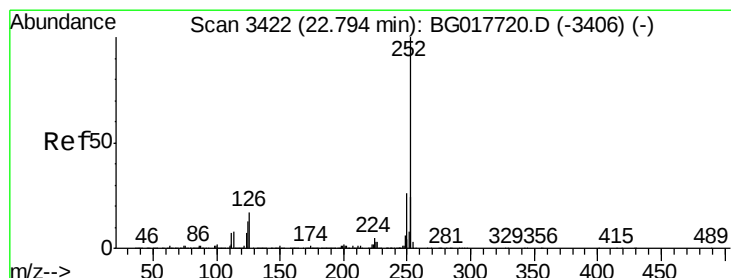
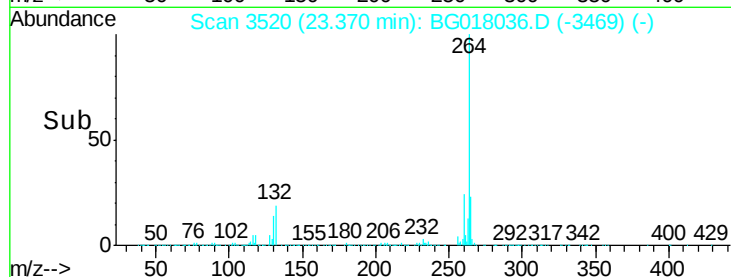
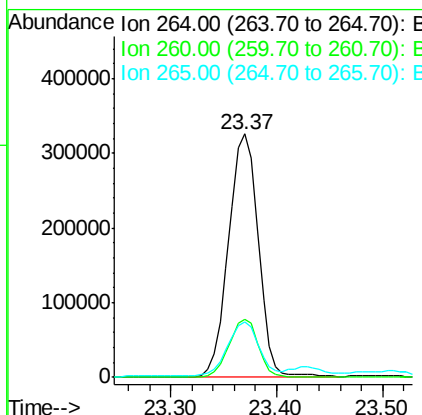
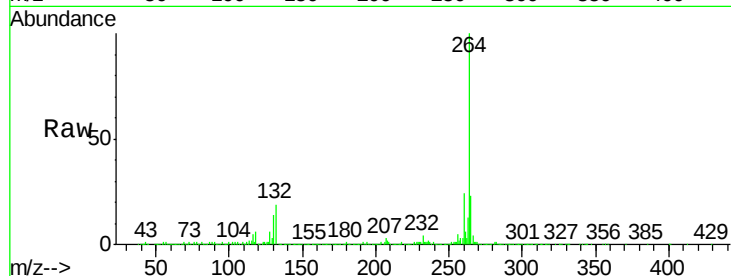


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG018036.D
Acq: 22 Jul 2015 00:45

Instrument :
BNA_G
ClientSampleId :
TEC-B2DL

Tgt Ion: 264 Resp: 633943

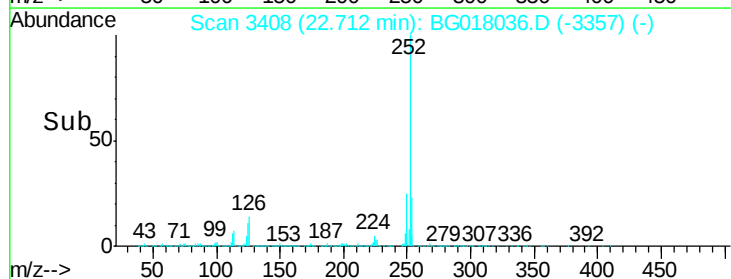
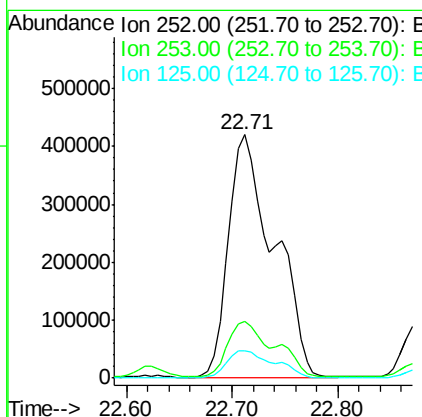
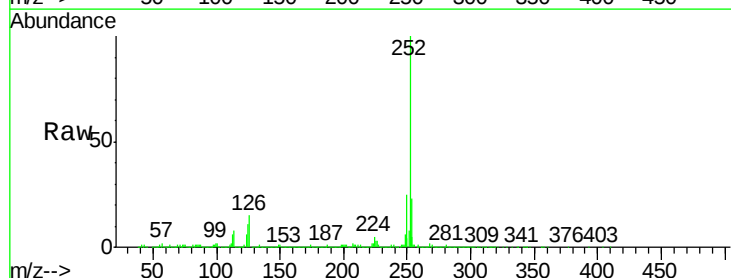
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	23.0	18.2	27.2

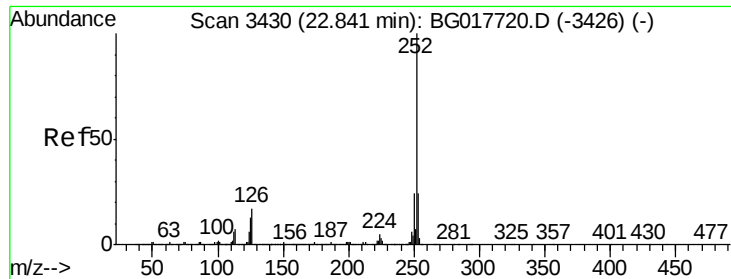


#87
Benzo(b)fluoranthene
Concen: 35.78 ng
RT: 22.71 min Scan# 3408
Delta R.T. 0.00 min
Lab File: BG018036.D
Acq: 22 Jul 2015 00:45

Tgt Ion: 252 Resp: 1240902

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.7	29.5
125	11.1	10.6	15.8





#88

Benzo(k)fluoranthene

Concen: 35.83 ng

RT: 22.71 min Scan# 3408

Delta R.T. -0.04 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

Instrument :

BNA_G

ClientSampled :

TEC-B2DL

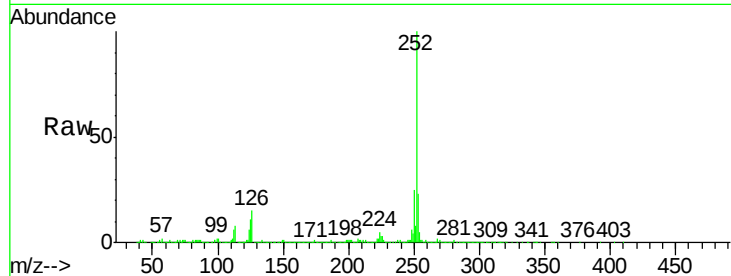
Tgt Ion:252 Resp: 1240902

Ion Ratio Lower Upper

252 100

253 23.4 19.0 28.6

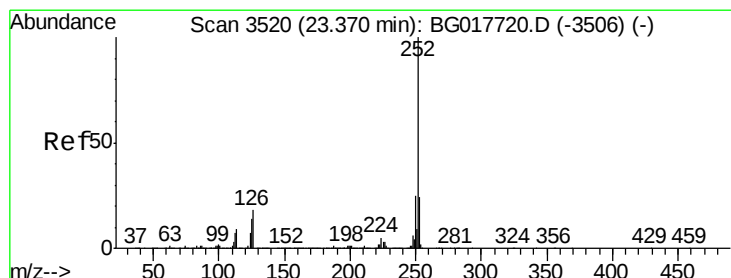
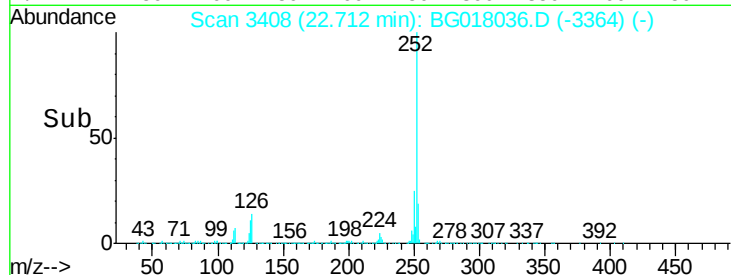
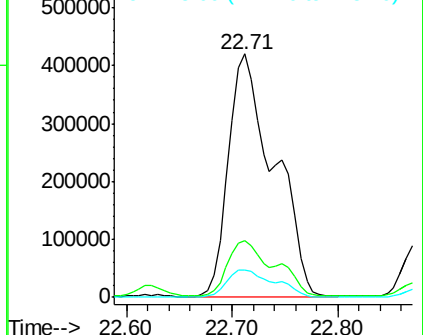
125 11.1 10.3 15.5



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: 23.31 ng

RT: 23.28 min Scan# 3504

Delta R.T. 0.00 min

Lab File: BG018036.D

Acq: 22 Jul 2015 00:45

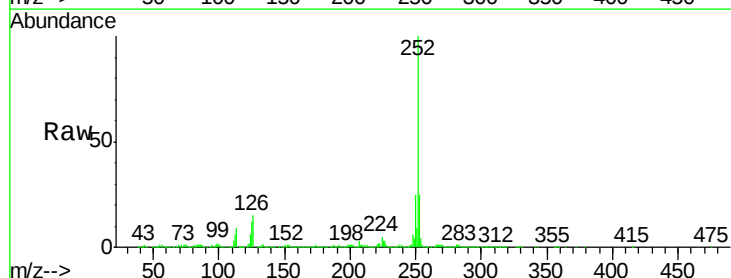
Tgt Ion:252 Resp: 753142

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.6

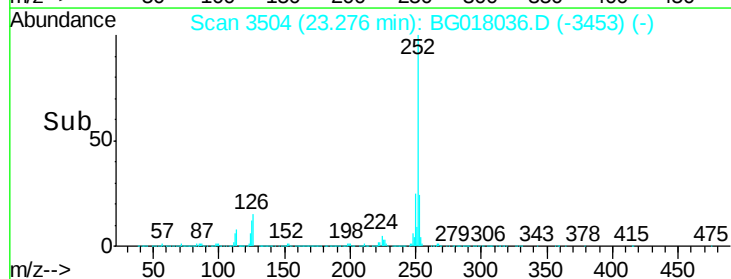
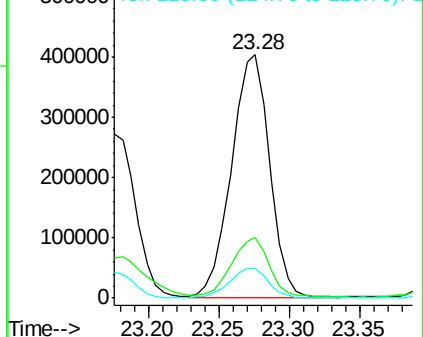
125 12.1 11.1 16.7

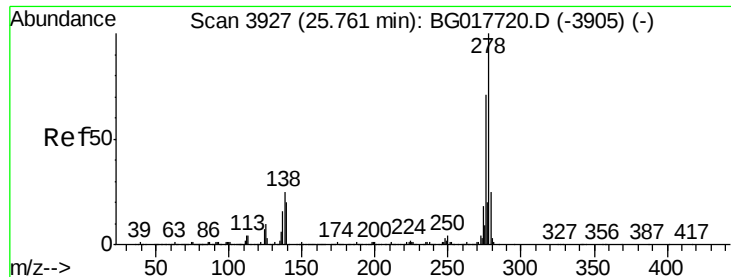


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

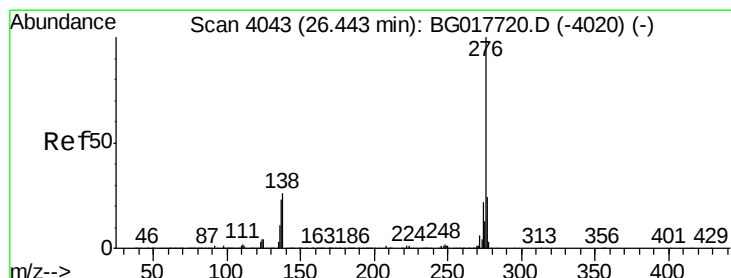
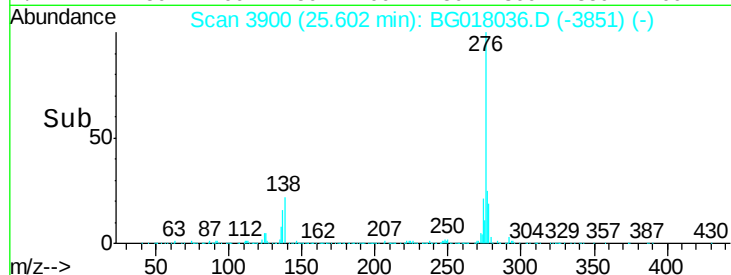
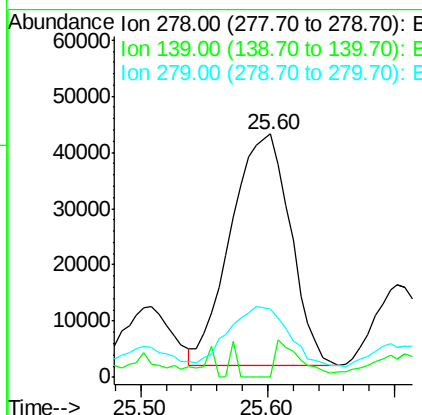
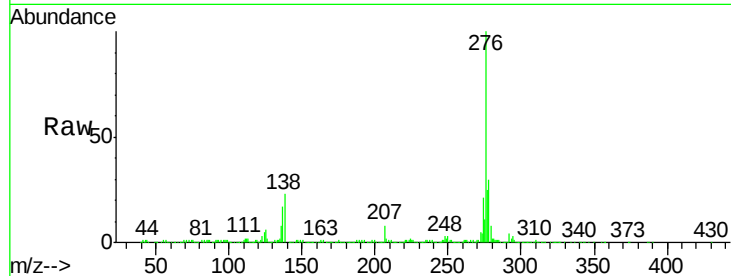




#90
Dibenzo(a,h)anthracene
Concen: 4.00 ng
RT: 25.60 min Scan# 3900
Delta R.T. -0.01 min
Lab File: BG018036.D
Acq: 22 Jul 2015 00:45

Instrument :
BNA_G
ClientSampled :
TEC-B2DL

Tgt Ion: 278 Resp: 134023
Ion Ratio Lower Upper
278 100
139 0.0 16.2 24.2#
279 27.8 19.9 29.9



#91
Benzo(g,h,i)perylene
Concen: 15.50 ng
RT: 26.28 min Scan# 4015
Delta R.T. -0.01 min
Lab File: BG018036.D
Acq: 22 Jul 2015 00:45

Tgt Ion: 276 Resp: 500954
Ion Ratio Lower Upper
276 100
277 25.5 18.9 28.3
138 24.4 20.8 31.2

