

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018046.D
 Acq On : 22 Jul 2015 6:43
 Operator : TP/UM
 Sample : G3027-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-1.0-1.5

Quant Time: Jul 22 07:27:58 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

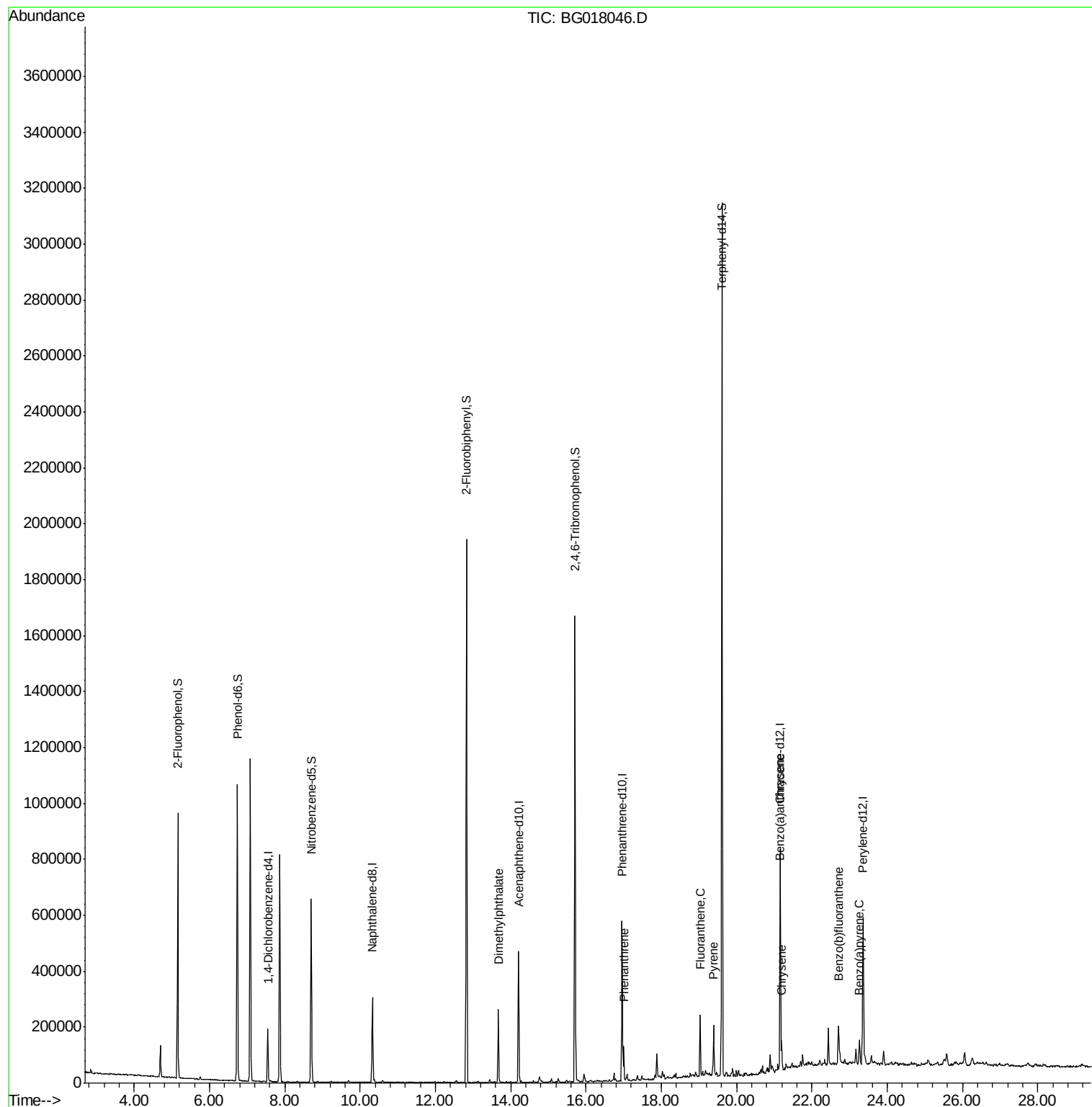
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	53282	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	255369	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	161289	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	328557	20.00	ng	0.00
75) Chrysene-d12	21.16	240	352396	20.00	ng	0.00
86) Perylene-d12	23.36	264	353178	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	431544	141.29	ng	0.00
7) Phenol-d6	6.74	99	636749	159.13	ng	0.00
23) Nitrobenzene-d5	8.70	82	384149	97.43	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	300484	183.88	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	980446	105.34	ng	0.00
78) Terphenyl-d14	19.61	244	1346905	96.28	ng	0.00
Target Compounds						
49) Dimethylphthalate	13.67	163	171649	15.32	ng	Qvalue # 98
70) Phenanthrene	17.00	178	71155	4.20	ng	95
74) Fluoranthene	19.03	202	125231	6.75	ng	95
77) Pyrene	19.39	202	108529	5.52	ng	94
80) Benzo(a)anthracene	21.15	228	57018	3.06	ng	97
82) Chrysene	21.20	228	57567	3.25	ng	95
87) Benzo(b)fluoranthene	22.70	252	77918m	4.03	ng	
89) Benzo(a)pyrene	23.26	252	53936	3.00	ng	96

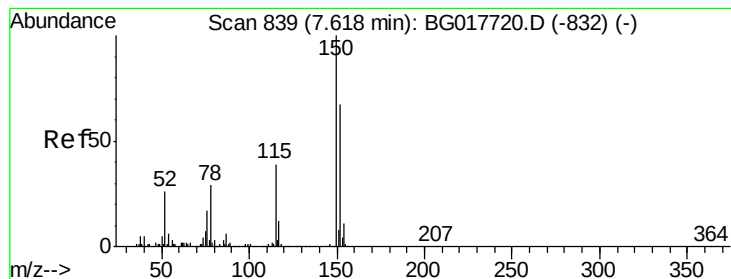
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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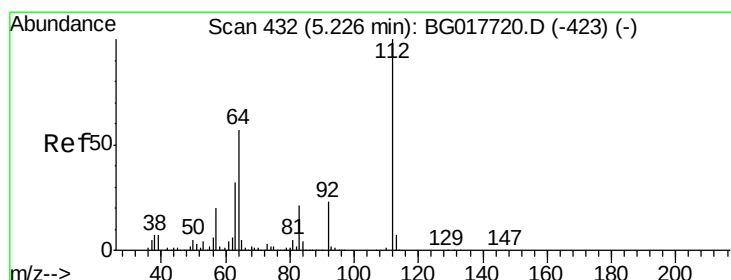
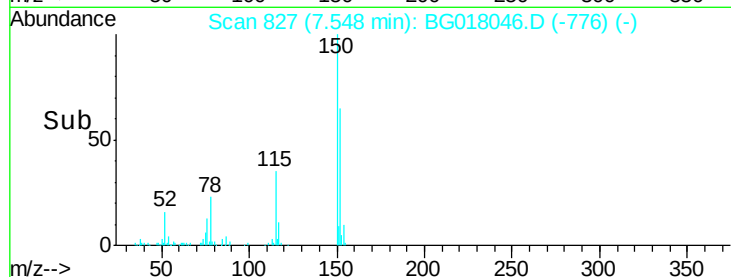
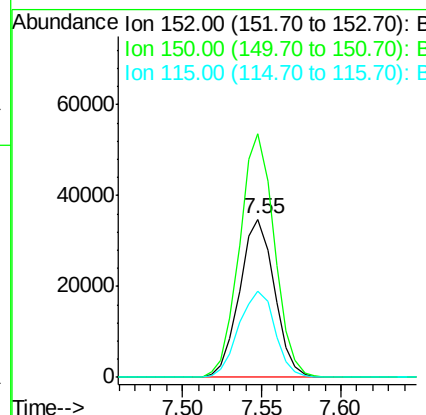
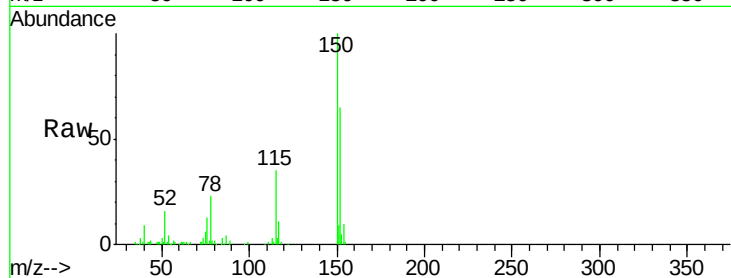


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018046.D
Acq: 22 Jul 2015 6:43

Instrument :
BNA_G
ClientSampleId :
SB-06-1.0-1.5

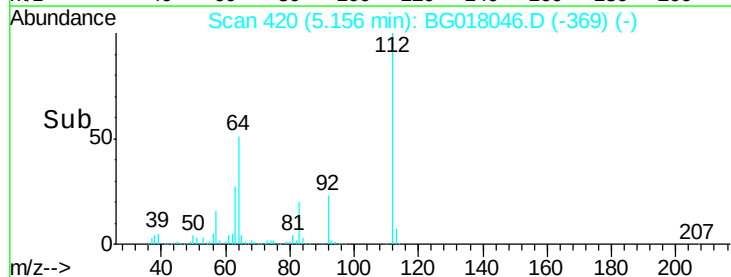
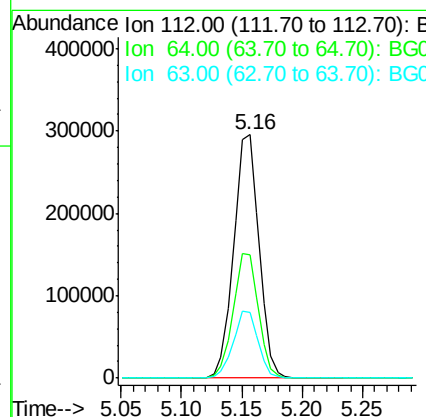
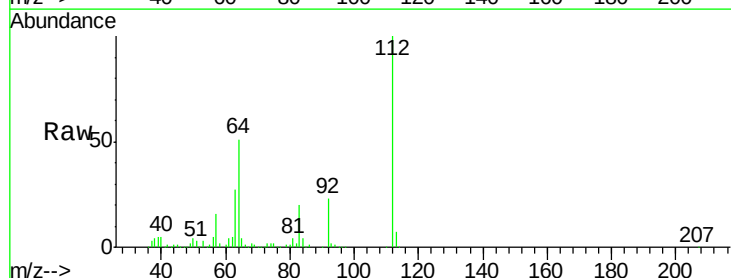
Tgt Ion:152 Resp: 53282
Ion Ratio Lower Upper
152 100
150 153.8 119.1 178.7
115 54.2 47.0 70.4

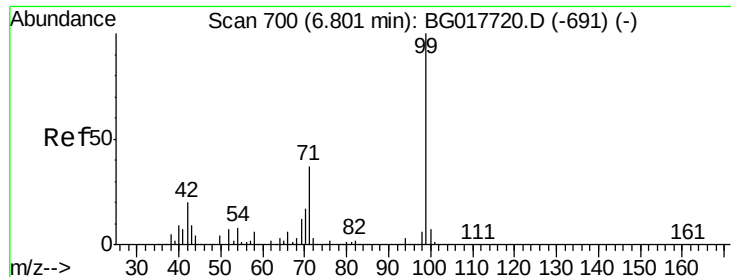


#5

2-Fluorophenol
Concen: 141.29 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG018046.D
Acq: 22 Jul 2015 6:43

Tgt Ion:112 Resp: 431544
Ion Ratio Lower Upper
112 100
64 50.6 45.4 68.0
63 27.0 25.3 37.9





#7

Phenol-d6

Concen: 159.13 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Instrument :

BNA_G

ClientSampleId :

SB-06-1.0-1.5

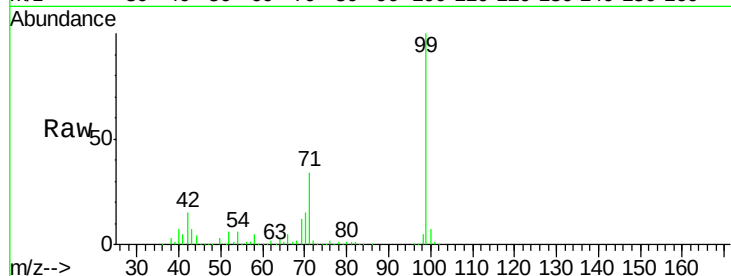
Tgt Ion: 99 Resp: 636749

Ion Ratio Lower Upper

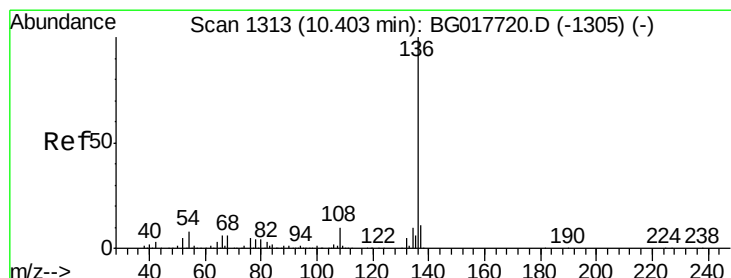
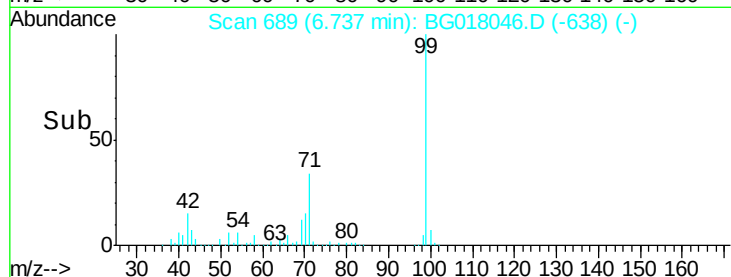
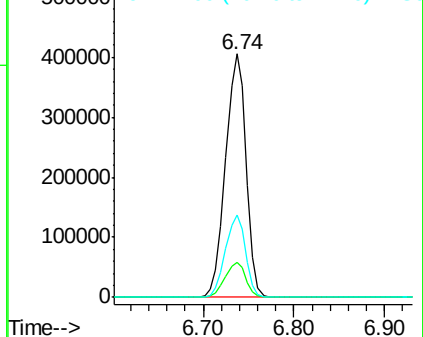
99 100

42 14.6 16.2 24.4#

71 33.8 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. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Tgt Ion: 136 Resp: 255369

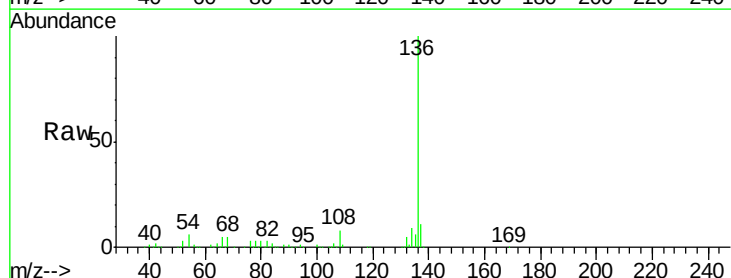
Ion Ratio Lower Upper

136 100

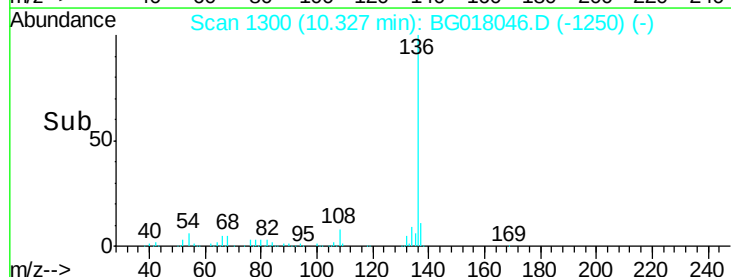
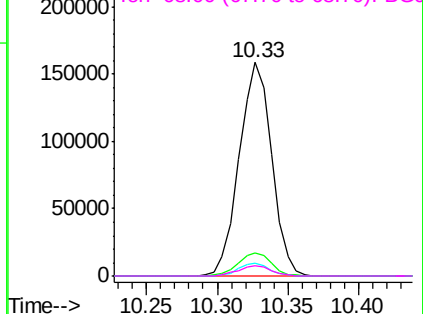
137 10.6 8.8 13.2

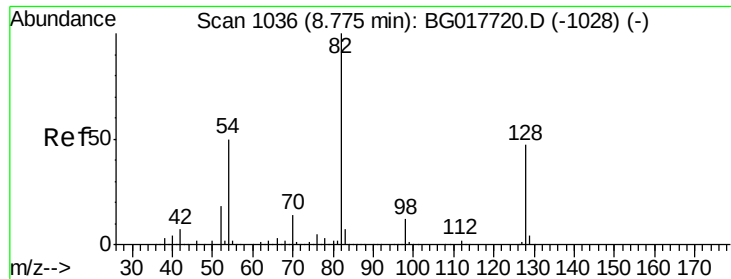
54 6.0 6.6 9.8#

68 4.9 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

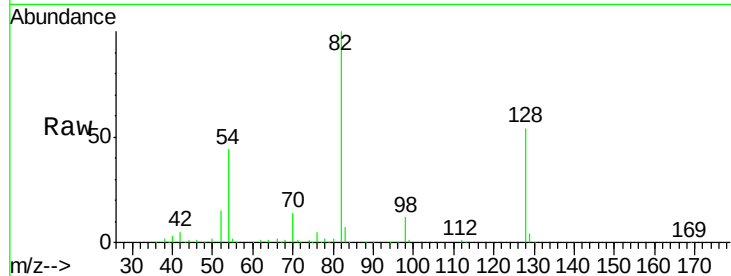




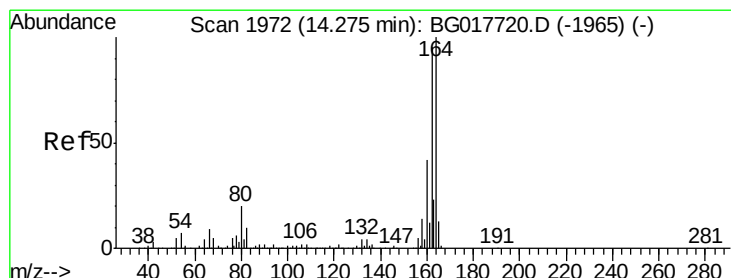
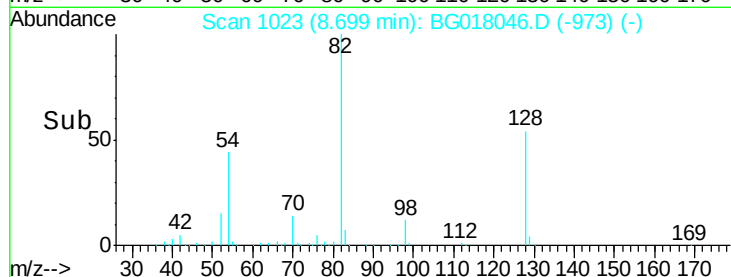
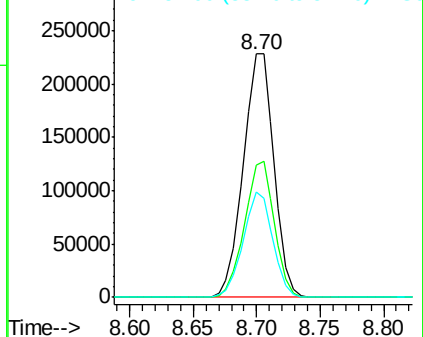
#23
 Nitrobenzene-d5
 Concen: 97.43 ng
 RT: 8.70 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BG018046.D
 Acq: 22 Jul 2015 6:43

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	54.3	37.8	56.6
54	43.5	39.9	59.9

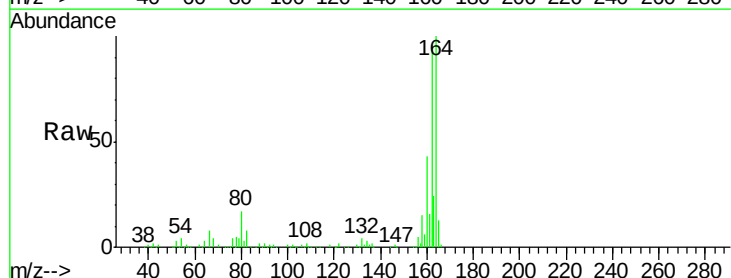


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

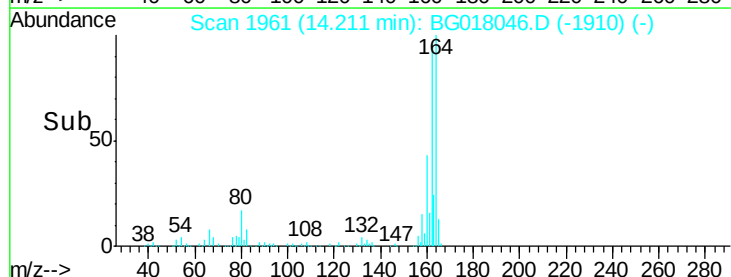
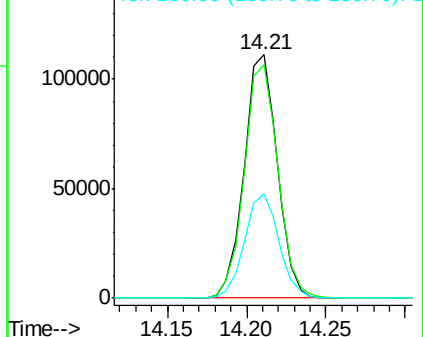


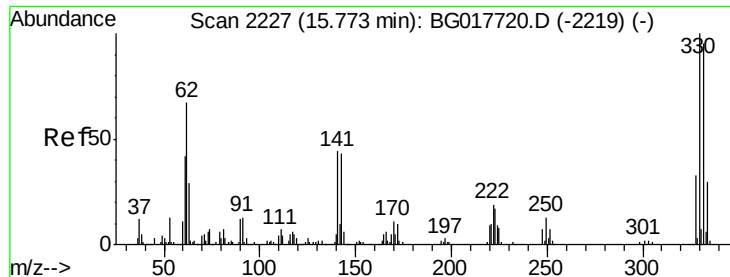
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.21 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BG018046.D
 Acq: 22 Jul 2015 6:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	76.3	114.5
160	43.0	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

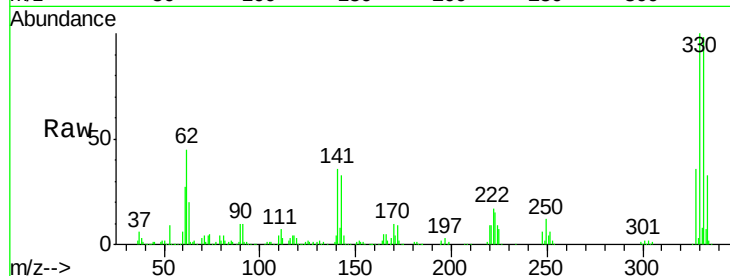




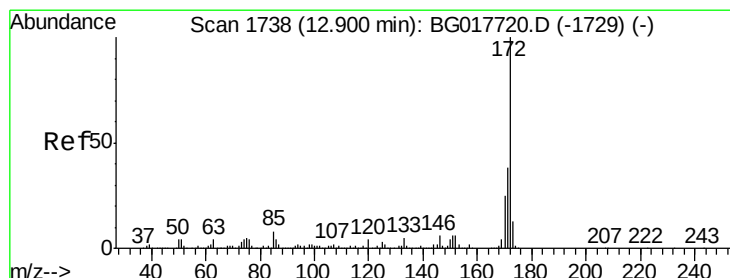
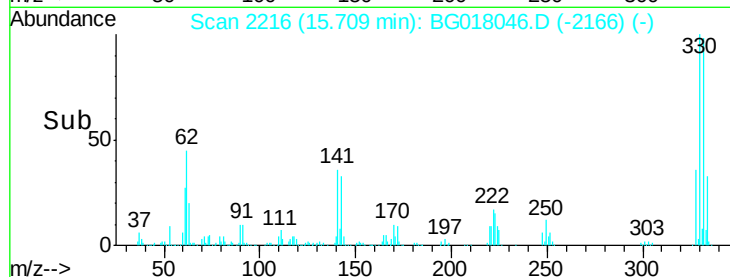
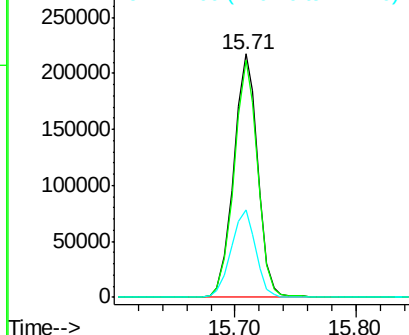
#41
 2,4,6-Tribromophenol
 Concen: 183.88 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG018046.D
 Acq: 22 Jul 2015 6:43

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.8	115.2
141	37.0	38.0	57.0#

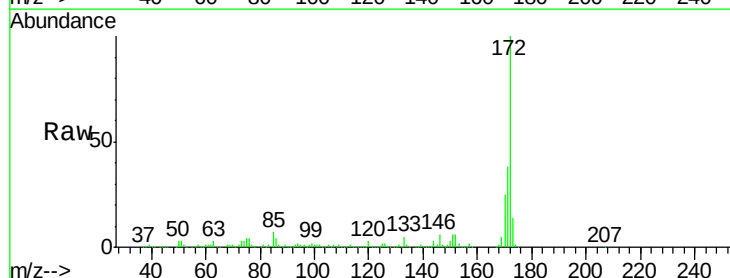


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

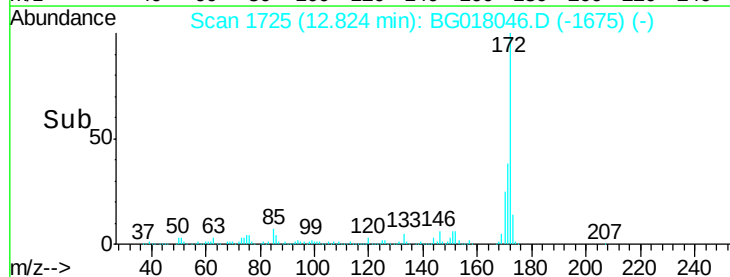
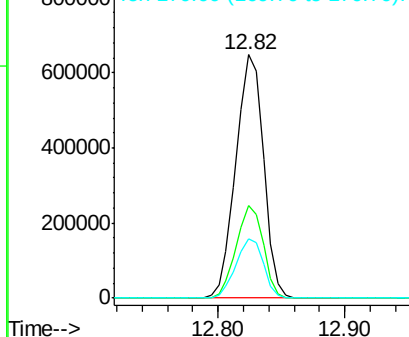


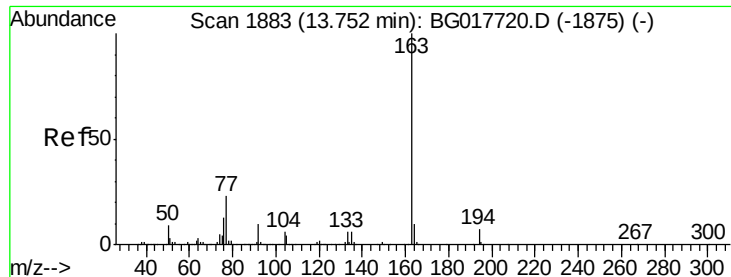
#44
 2-Fluorobiphenyl
 Concen: 105.34 ng
 RT: 12.82 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG018046.D
 Acq: 22 Jul 2015 6:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.7	46.1
170	24.5	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: 15.32 ng

RT: 13.67 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Instrument :

BNA_G

ClientSampleId :

SB-06-1.0-1.5

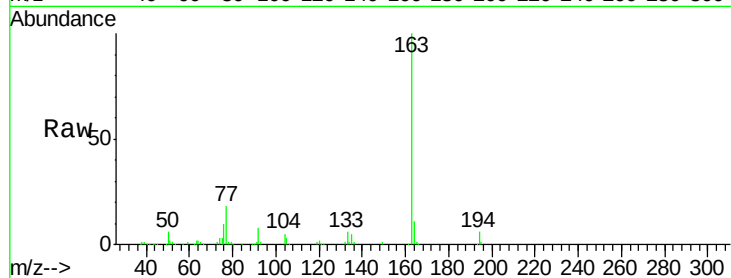
Tgt Ion:163 Resp: 171649

Ion Ratio Lower Upper

163 100

194 5.7 5.8 8.6#

164 10.7 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

13.67

150000

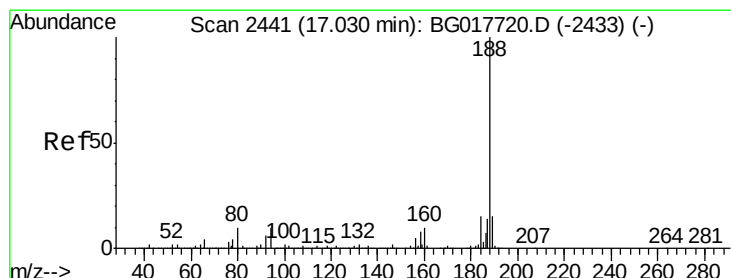
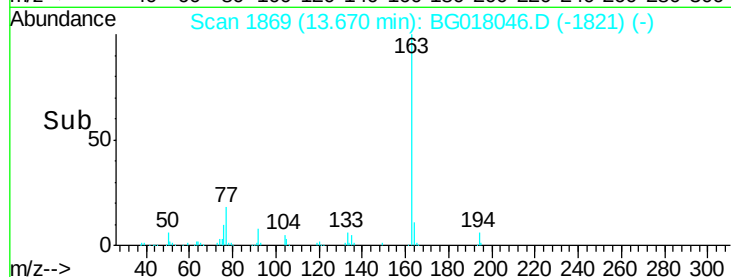
100000

50000

0

Time-->

13.60 13.65 13.70 13.75



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.96 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

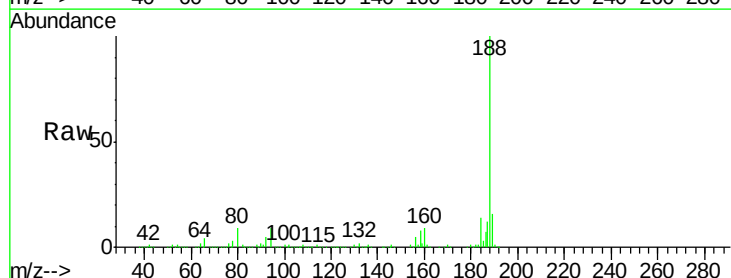
Tgt Ion:188 Resp: 328557

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

80 9.2 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

16.96

300000

250000

200000

150000

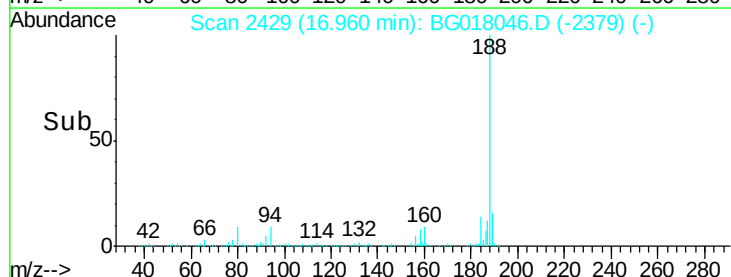
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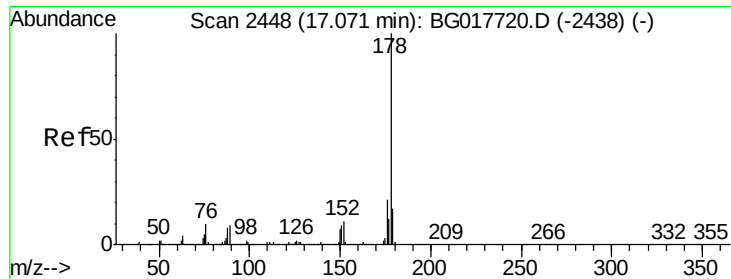
50000

0

Time-->

16.90 16.95 17.00 17.05





#70

Phenanthrene

Concen: 4.20 ng

RT: 17.00 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Instrument :

BNA_G

ClientSampleId :

SB-06-1.0-1.5

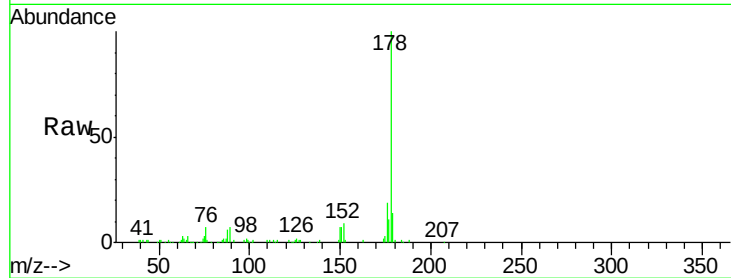
Tgt Ion:178 Resp: 71155

Ion Ratio Lower Upper

178 100

176 18.6 16.5 24.7

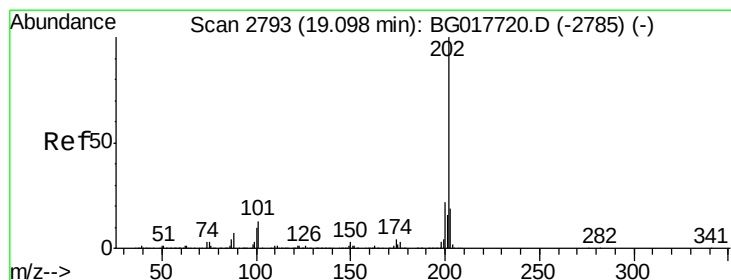
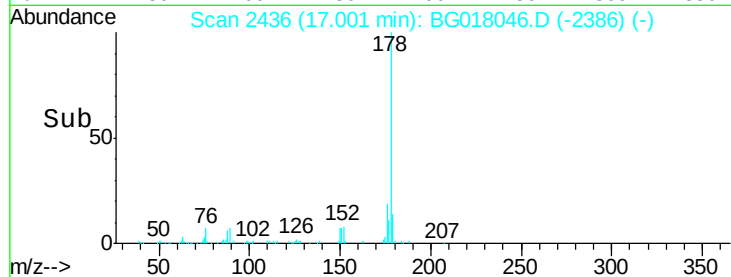
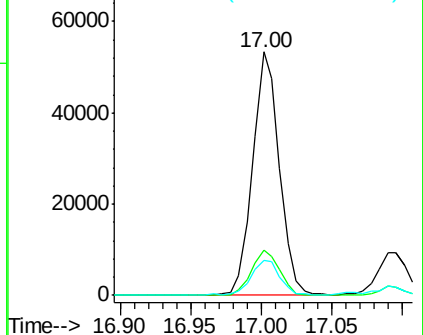
179 14.4 13.5 20.3



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



#74

Fluoranthene

Concen: 6.75 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

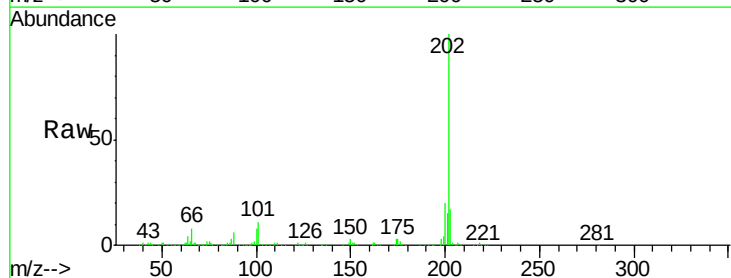
Tgt Ion:202 Resp: 125231

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.3

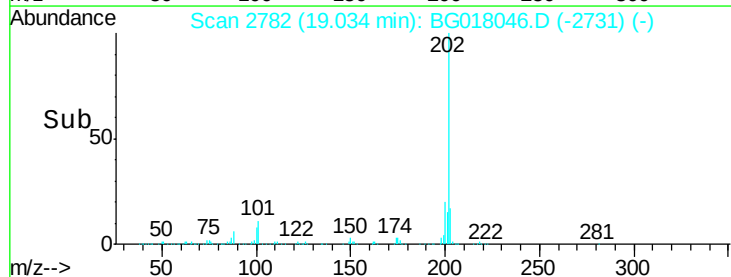
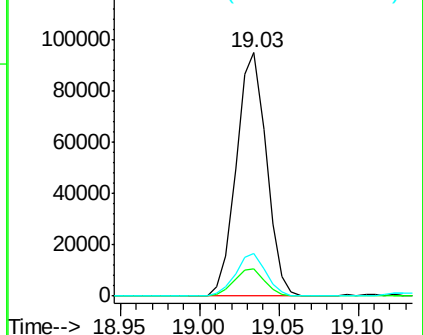
203 17.3 0.0 39.5

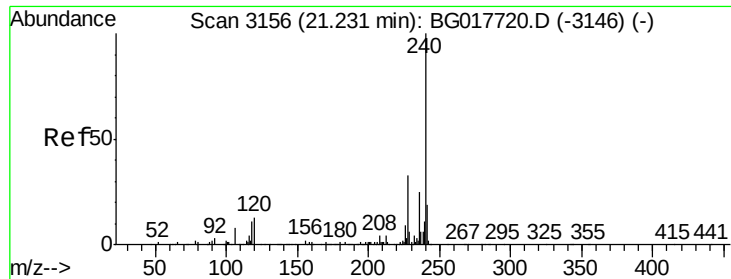


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.16 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Instrument :

BNA_G

ClientSampleId :

SB-06-1.0-1.5

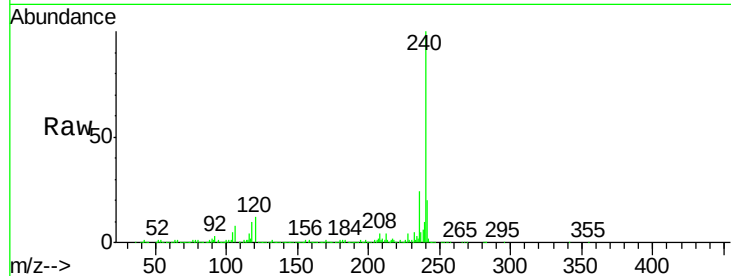
Tgt Ion:240 Resp: 352396

Ion Ratio Lower Upper

240 100

120 12.1 10.8 16.2

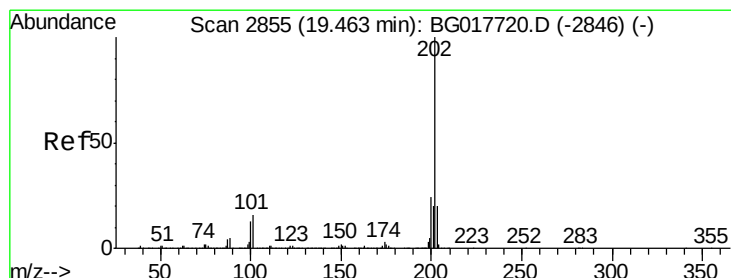
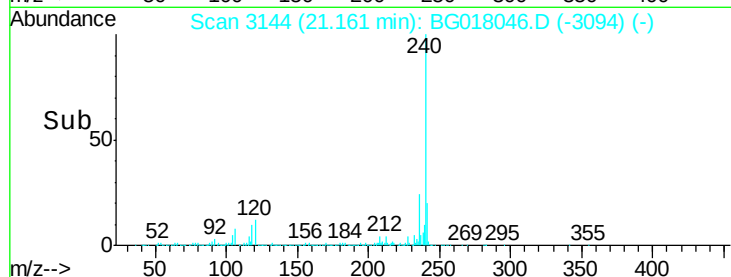
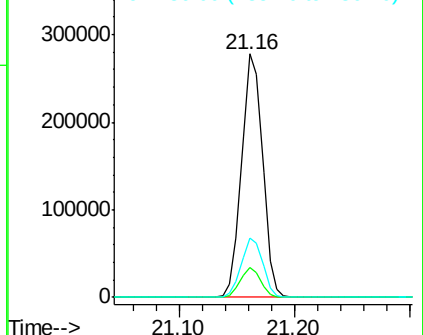
236 24.5 20.0 30.0



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: 5.52 ng

RT: 19.39 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

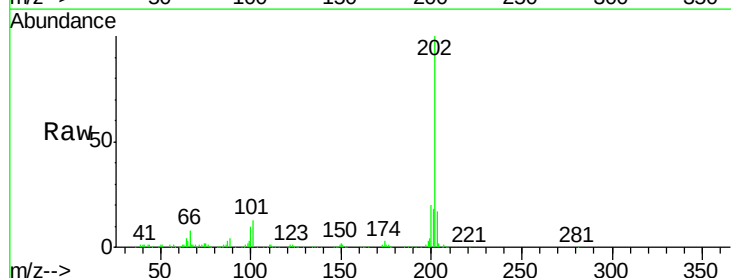
Tgt Ion:202 Resp: 108529

Ion Ratio Lower Upper

202 100

200 20.4 18.8 28.2

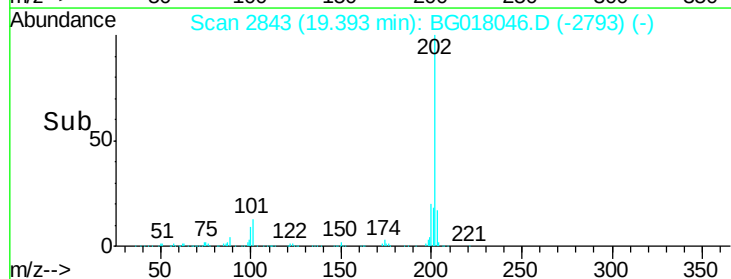
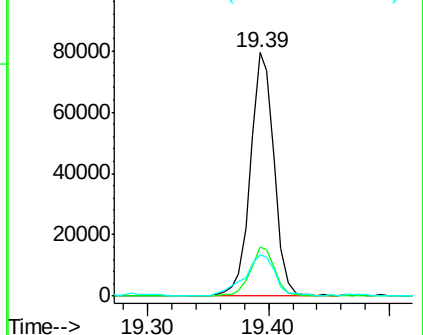
203 17.0 15.9 23.9

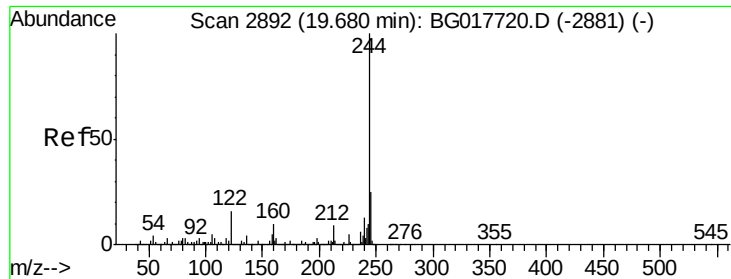


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 96.28 ng

RT: 19.61 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Instrument :

BNA_G

ClientSampleId :

SB-06-1.0-1.5

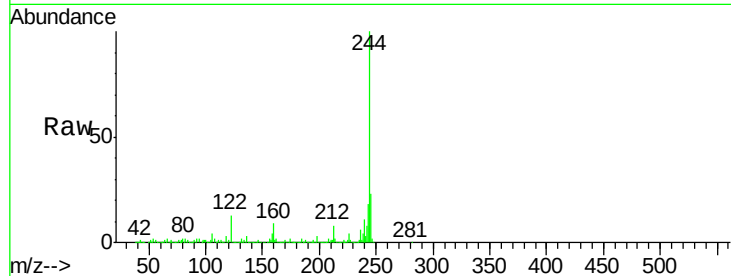
Tgt Ion:244 Resp: 1346905

Ion Ratio Lower Upper

244 100

212 8.1 7.2 10.8

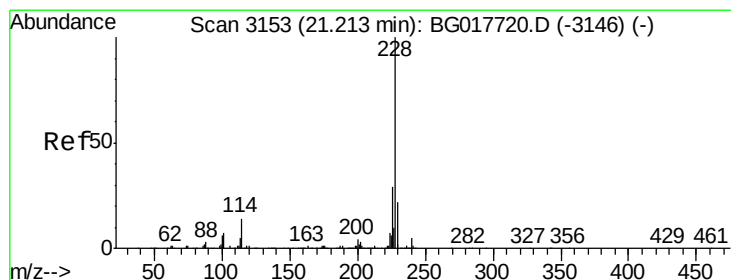
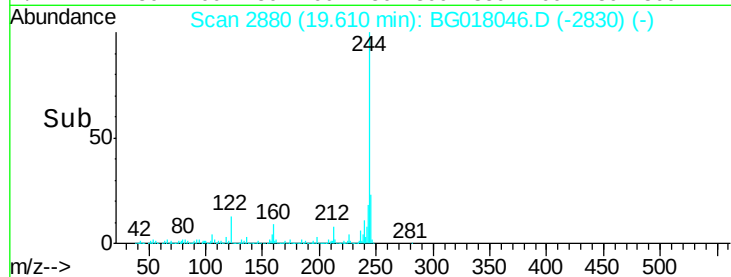
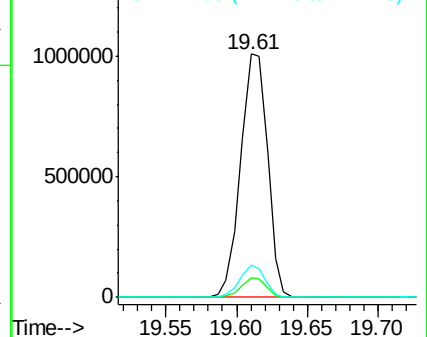
122 13.5 12.8 19.2



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: 3.06 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

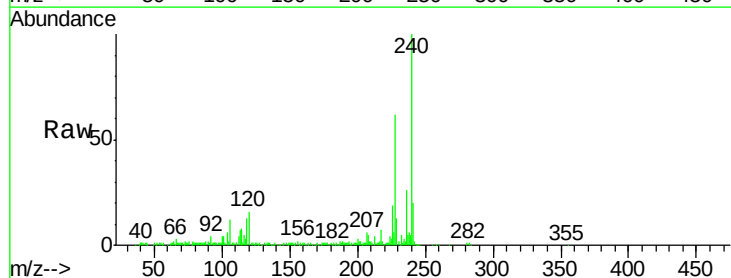
Tgt Ion:228 Resp: 57018

Ion Ratio Lower Upper

228 100

226 30.5 23.1 34.7

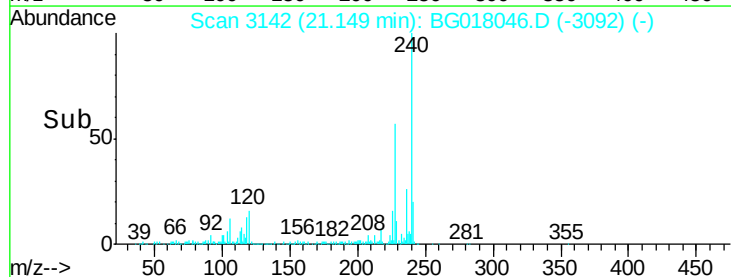
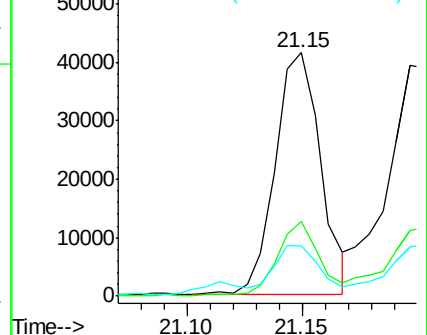
229 20.7 17.4 26.0

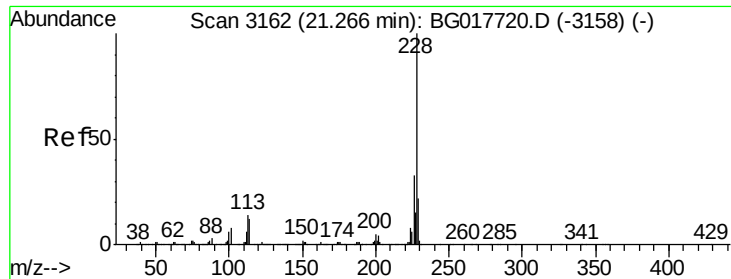


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.25 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

Instrument :

BNA_G

ClientSampleId :

SB-06-1.0-1.5

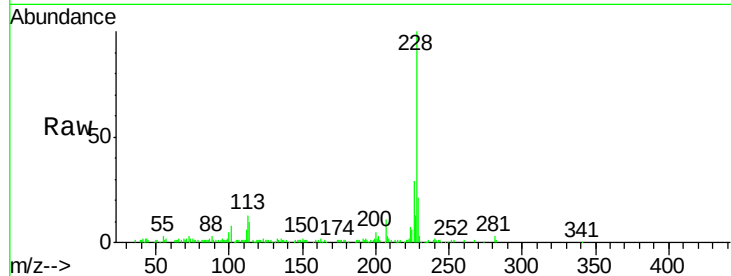
Tgt Ion:228 Resp: 57567

Ion Ratio Lower Upper

228 100

226 28.5 26.1 39.1

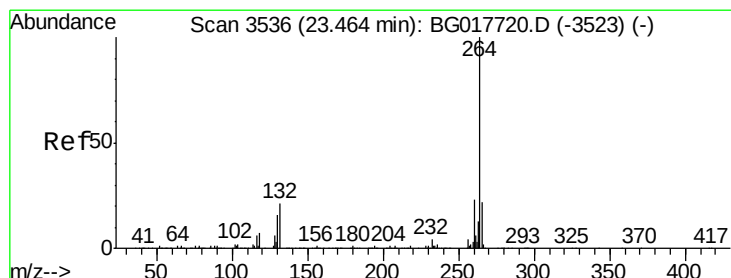
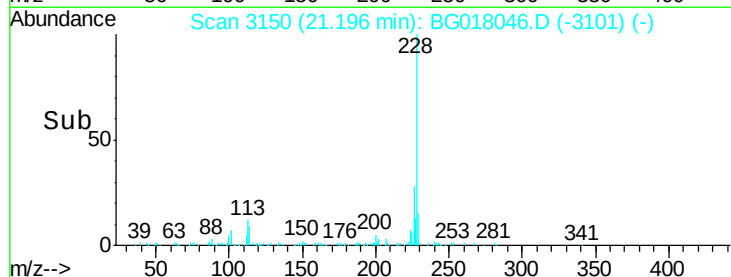
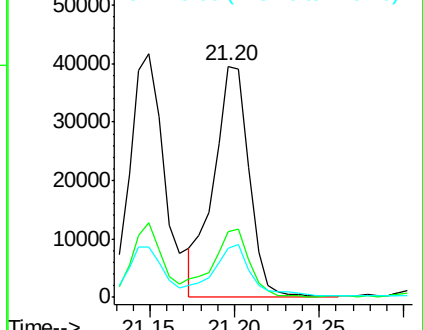
229 21.1 17.7 26.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BG018046.D

Acq: 22 Jul 2015 6:43

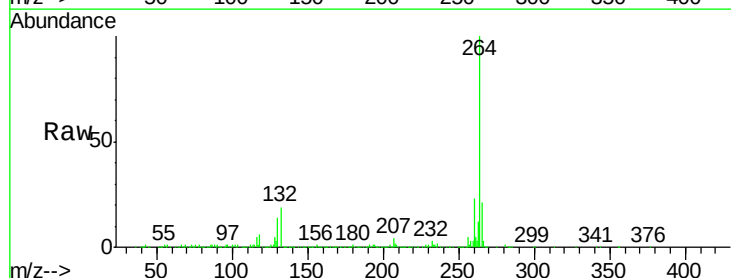
Tgt Ion:264 Resp: 353178

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

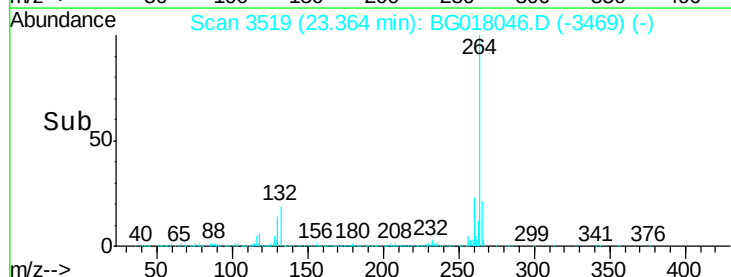
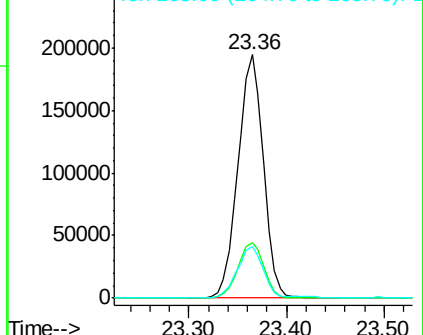
265 21.1 18.2 27.2

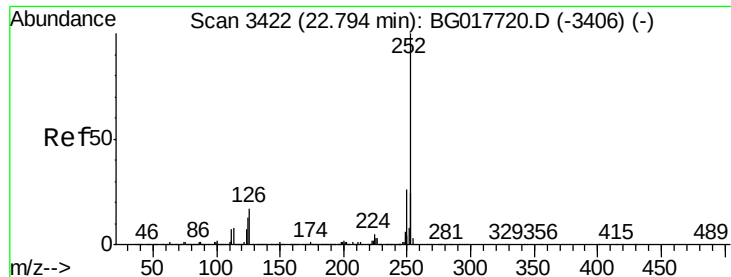


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

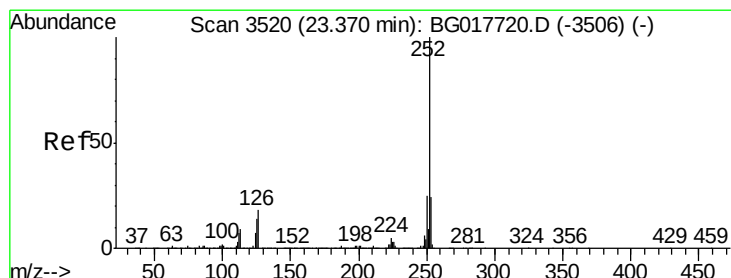
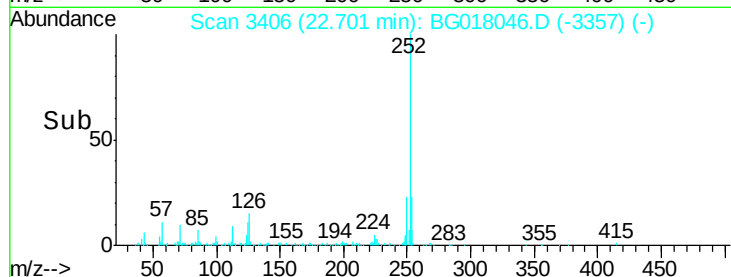
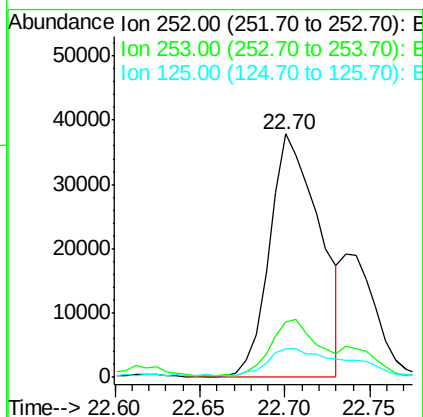
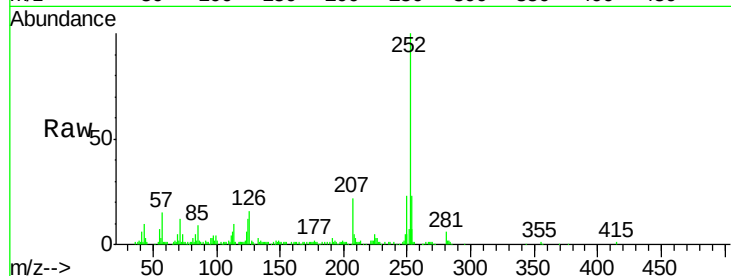




#87
Benzo(b)fluoranthene
Concen: 4.03 ng m
RT: 22.70 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BG018046.D
Acq: 22 Jul 2015 6:43

Instrument :
BNA_G
ClientSampleId :
SB-06-1.0-1.5

Tgt Ion:252 Resp: 77918
Ion Ratio Lower Upper
252 100
253 22.7 19.7 29.5
125 11.6 10.6 15.8



#89
Benzo(a)pyrene
Concen: 3.00 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BG018046.D
Acq: 22 Jul 2015 6:43

Tgt Ion:252 Resp: 53936
Ion Ratio Lower Upper
252 100
253 22.8 19.0 28.6
125 11.2 11.1 16.7

