

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018048.D
 Acq On : 22 Jul 2015 7:55
 Operator : TP/UM
 Sample : G3027-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-3.5-4.0

Quant Time: Jul 22 08:28:28 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

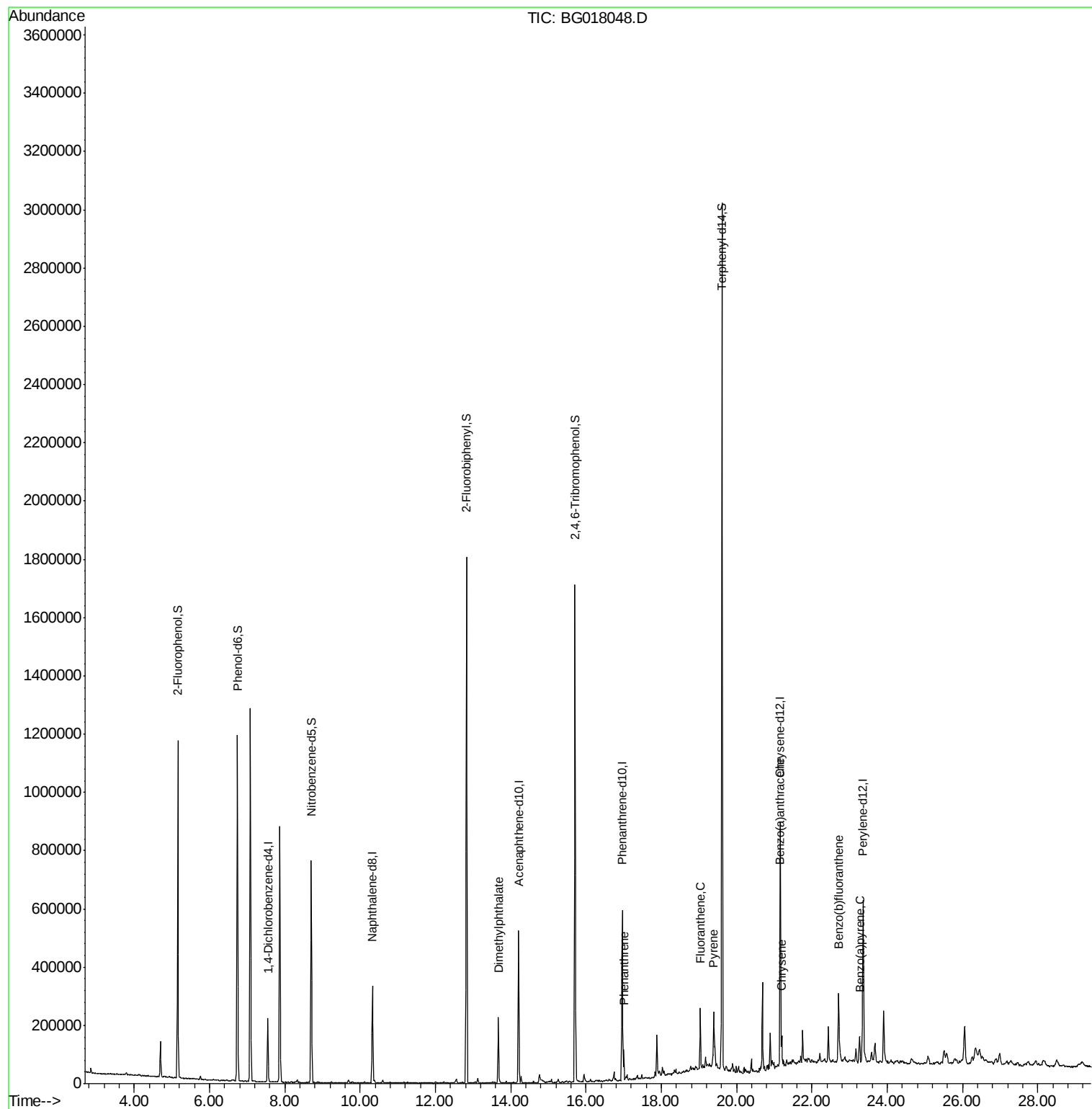
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	59251	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	283503	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	176200	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	349092	20.00	ng	0.00
75) Chrysene-d12	21.17	240	376003	20.00	ng	0.00
86) Perylene-d12	23.36	264	375657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	509457	149.99	ng	0.00
7) Phenol-d6	6.74	99	725473	163.03	ng	0.00
23) Nitrobenzene-d5	8.70	82	435169	99.42	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	310474	173.92	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	926195	91.09	ng	0.00
78) Terphenyl-d14	19.62	244	1213780	81.32	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.68	163	149105	12.18	ng	99
70) Phenanthrene	17.01	178	62399	3.47	ng	94
74) Fluoranthene	19.04	202	113644	5.76	ng	96
77) Pyrene	19.40	202	105161	5.01	ng	95
80) Benzo(a)anthracene	21.15	228	56833	2.86	ng	97
82) Chrysene	21.20	228	52723	2.79	ng	98
87) Benzo(b)fluoranthene	22.71	252	72543m	3.53	ng	
89) Benzo(a)pyrene	23.26	252	49067	2.56	ng	98

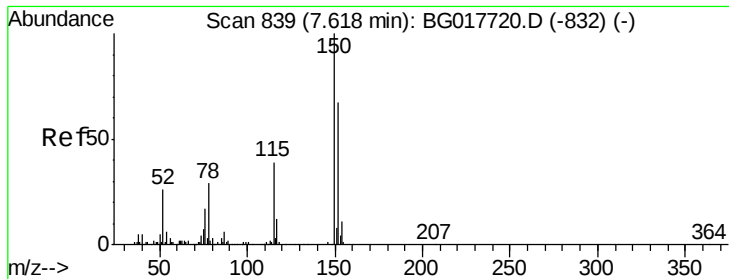
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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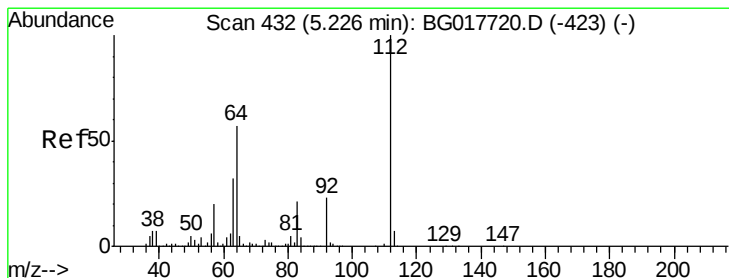
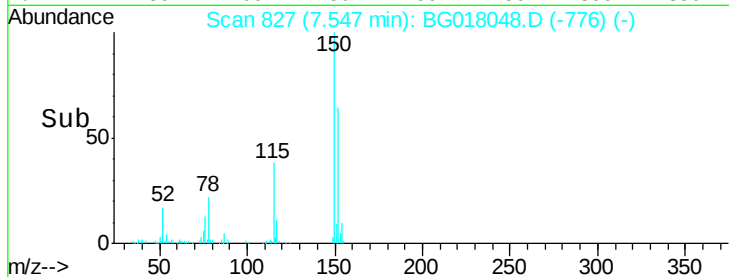
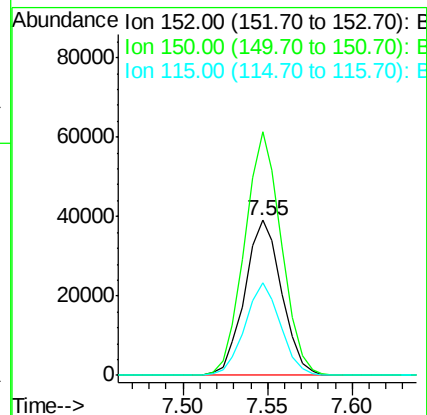
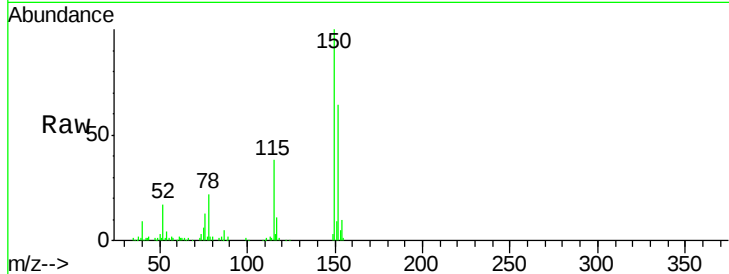


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018048.D
Acq: 22 Jul 2015 7:55

Instrument :
BNA_G
ClientSampleId :
SB-05-3.5-4.0

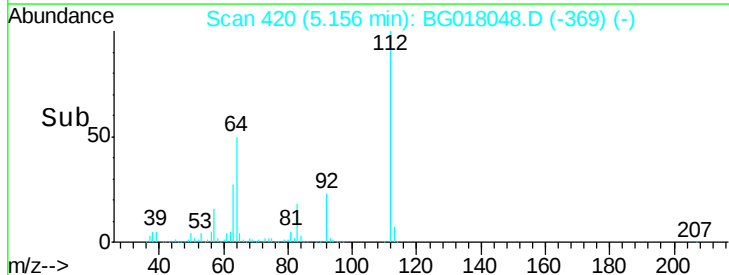
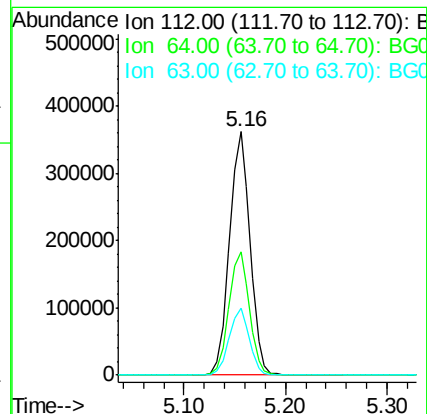
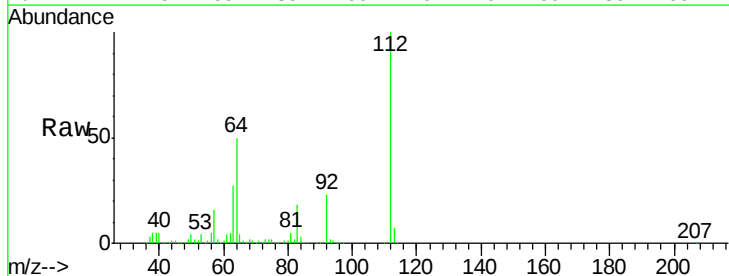
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	119.1	178.7
115	59.6	47.0	70.4

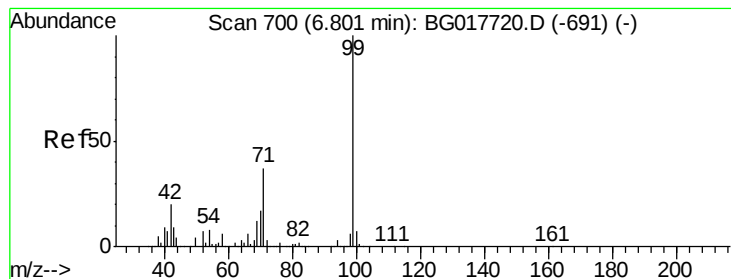


#5

2-Fluorophenol
Concen: 149.99 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG018048.D
Acq: 22 Jul 2015 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	45.4	68.0
63	27.3	25.3	37.9





#7

Phenol-d6

Concen: 163.03 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

Instrument :

BNA_G

ClientSampleId :

SB-05-3.5-4.0

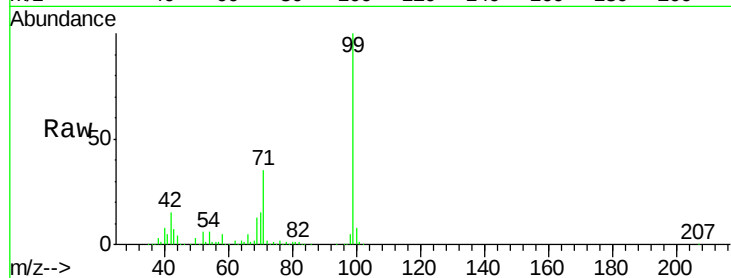
Tgt Ion: 99 Resp: 725473

Ion Ratio Lower Upper

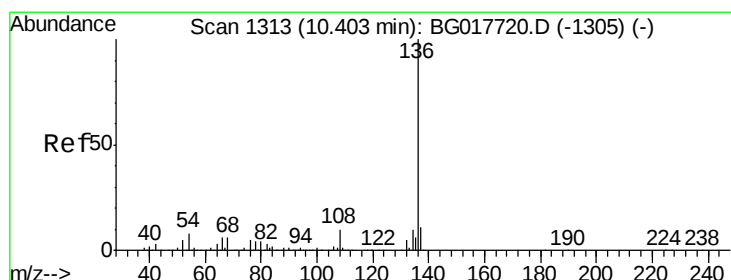
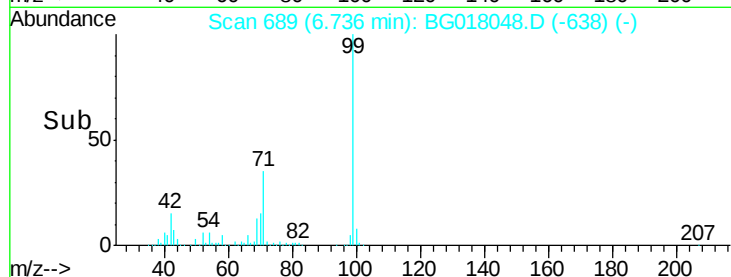
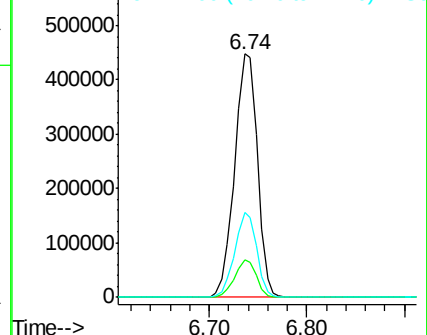
99 100

42 15.2 16.2 24.4#

71 35.0 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: BG018048.D

Acq: 22 Jul 2015 7:55

Tgt Ion: 136 Resp: 283503

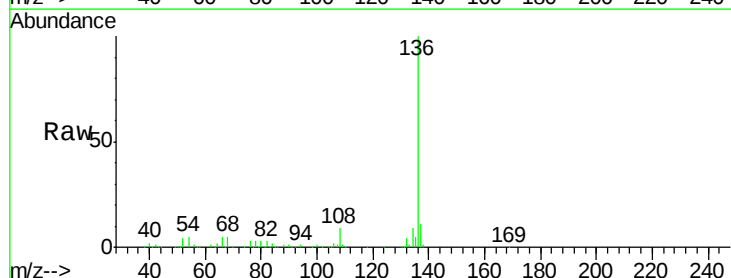
Ion Ratio Lower Upper

136 100

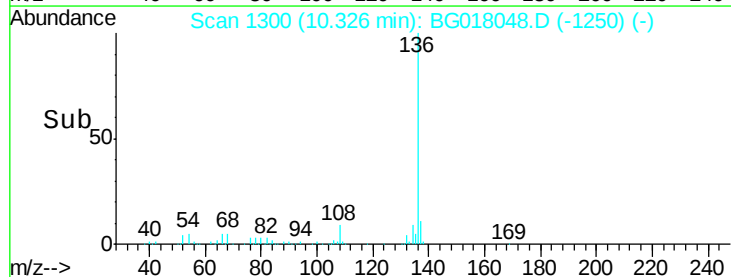
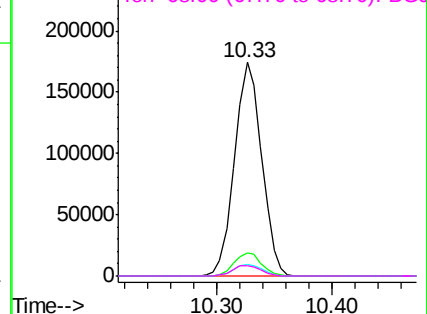
137 10.8 8.8 13.2

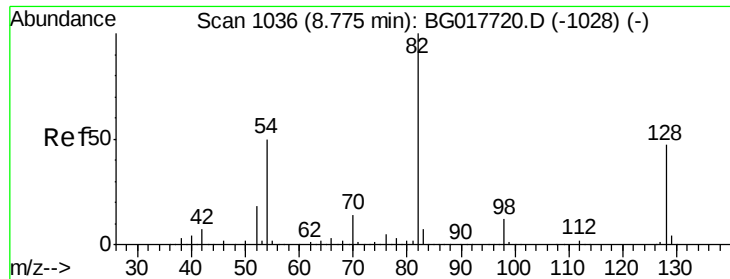
54 5.3 6.6 9.8#

68 4.5 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

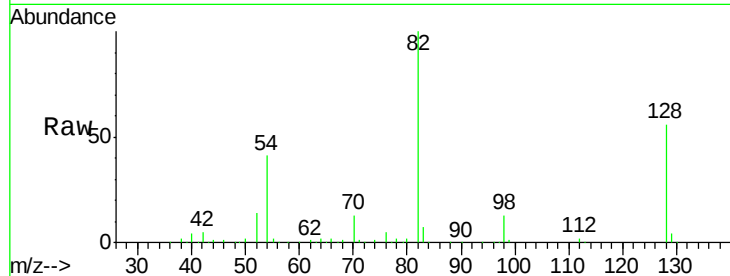




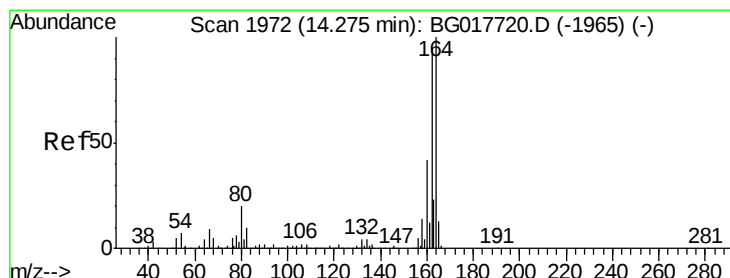
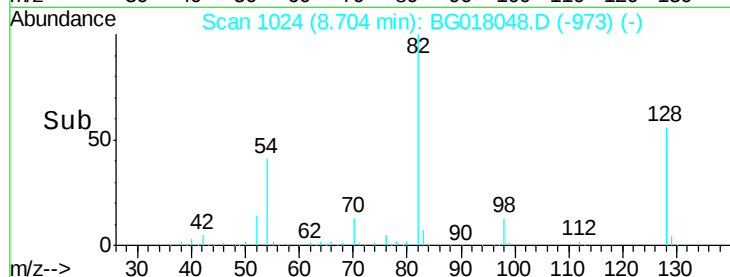
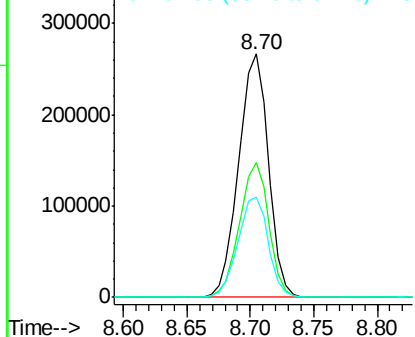
#23
Nitrobenzene-d5
Concen: 99.42 ng
RT: 8.70 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BG018048.D
Acq: 22 Jul 2015 7:55

Instrument :
BNA_G
ClientSampleId :
SB-05-3.5-4.0

Tgt Ion: 82 Resp: 435169
Ion Ratio Lower Upper
82 100
128 55.6 37.8 56.6
54 41.4 39.9 59.9

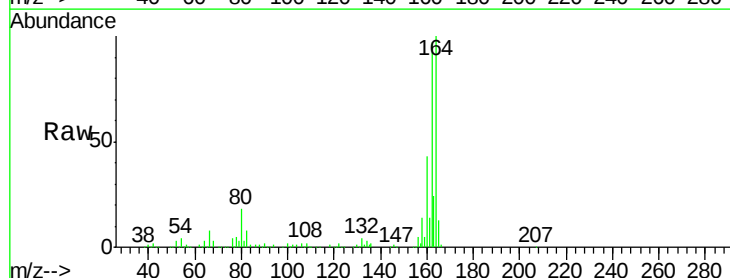


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

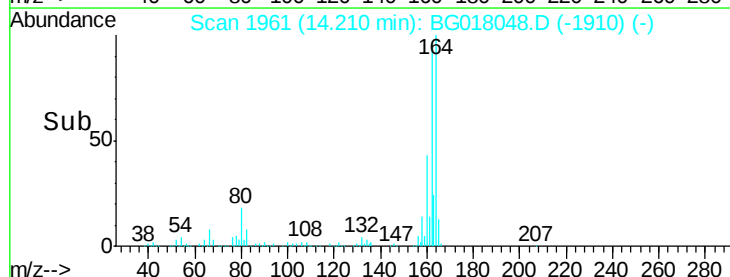
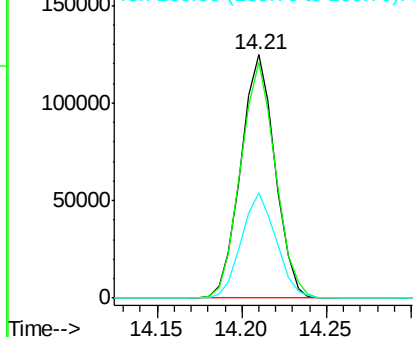


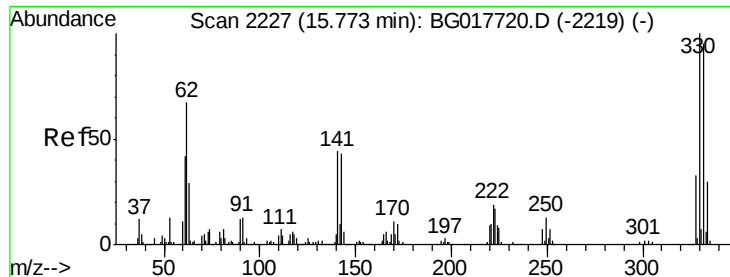
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.21 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BG018048.D
Acq: 22 Jul 2015 7:55

Tgt Ion: 164 Resp: 176200
Ion Ratio Lower Upper
164 100
162 96.8 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

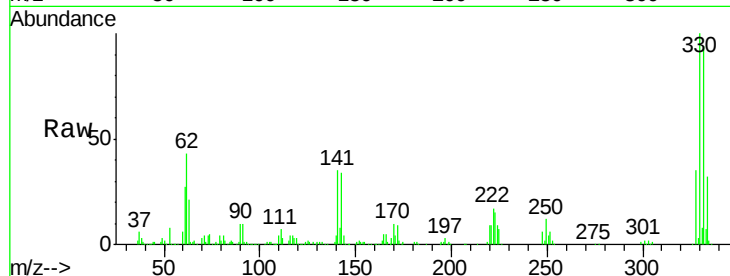




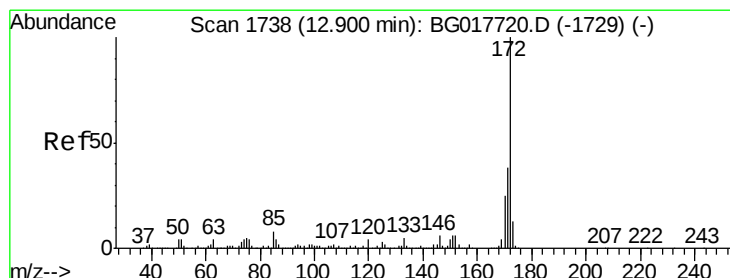
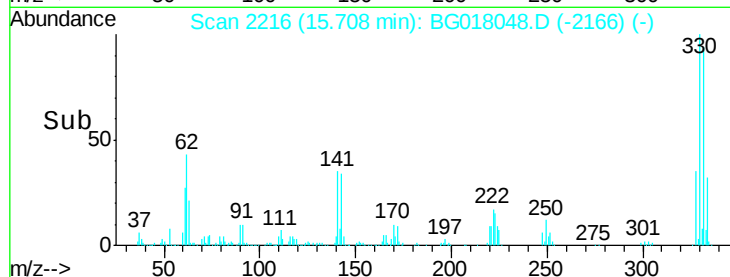
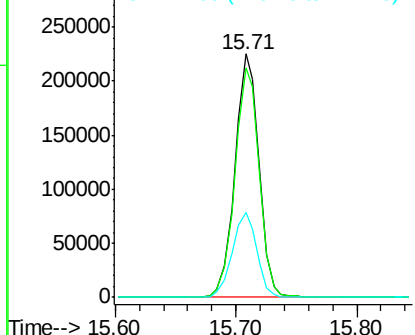
#41
 2,4,6-Tribromophenol
 Concen: 173.92 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG018048.D
 Acq: 22 Jul 2015 7:55

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-3.5-4.0

Tgt Ion:330 Resp: 310474
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.8 115.2
 141 35.9 38.0 57.0#

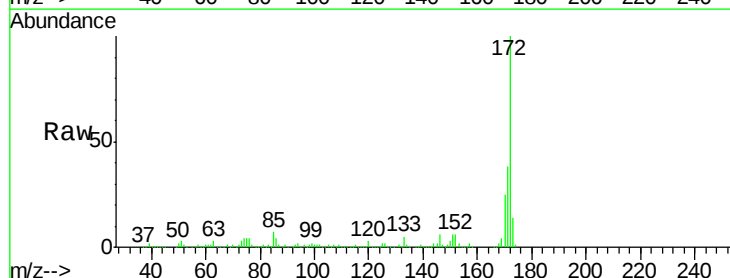


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

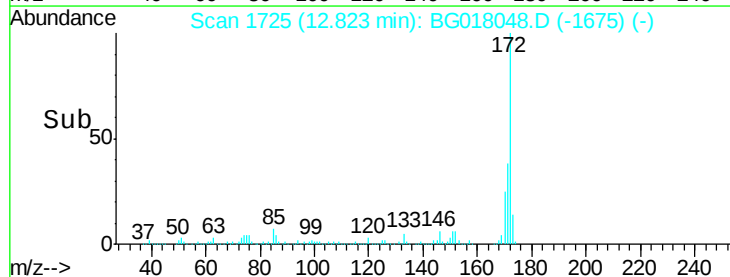
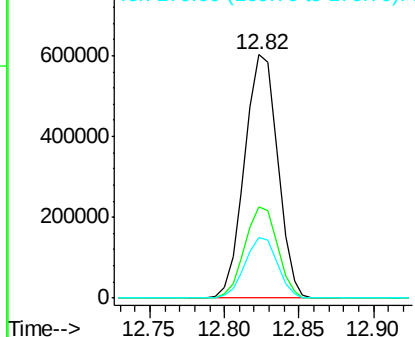


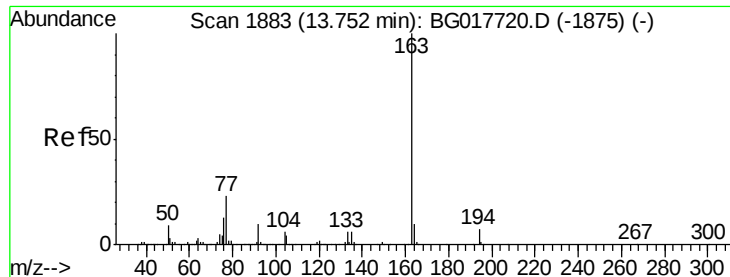
#44
 2-Fluorobiphenyl
 Concen: 91.09 ng
 RT: 12.82 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG018048.D
 Acq: 22 Jul 2015 7:55

Tgt Ion:172 Resp: 926195
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.7 46.1
 170 24.8 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: 12.18 ng

RT: 13.68 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

Instrument :

BNA_G

ClientSampleId :

SB-05-3.5-4.0

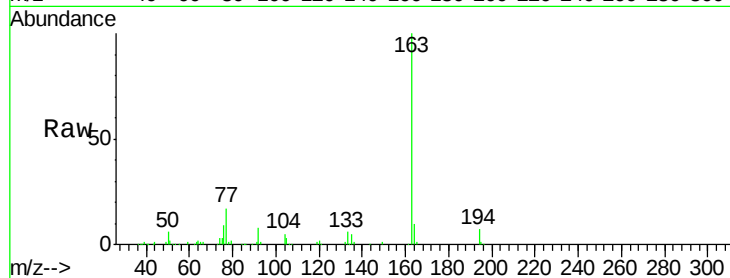
Tgt Ion:163 Resp: 149105

Ion Ratio Lower Upper

163 100

194 7.0 5.8 8.6

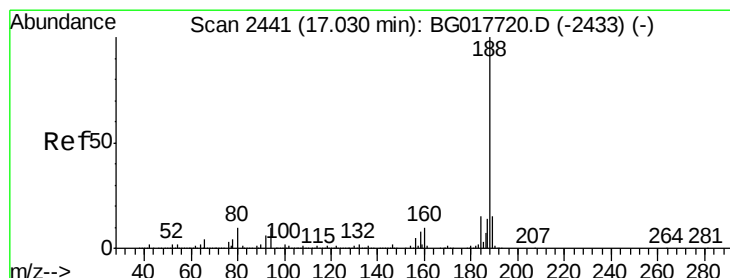
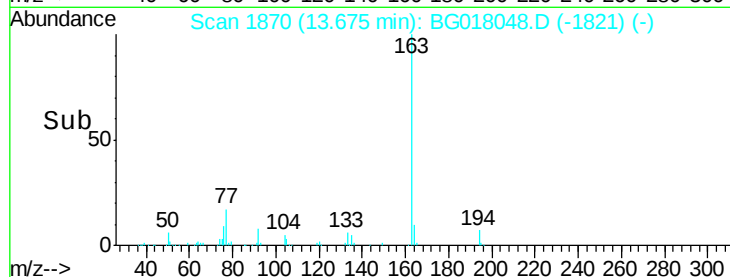
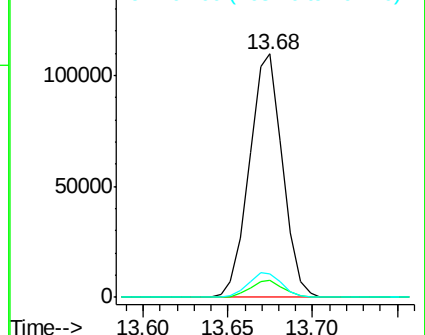
164 9.6 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.97 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

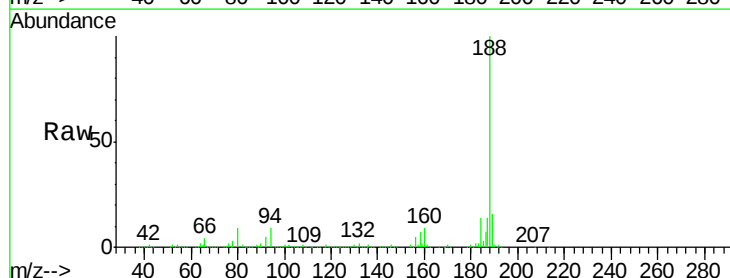
Tgt Ion:188 Resp: 349092

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

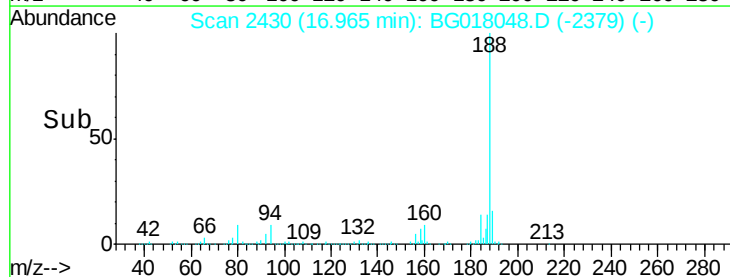
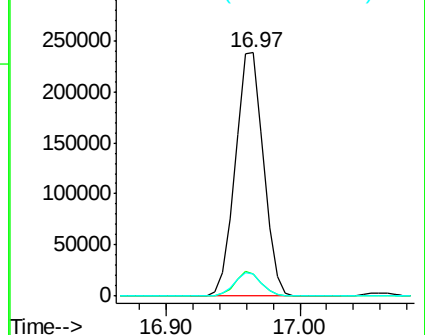
80 9.3 8.2 12.4

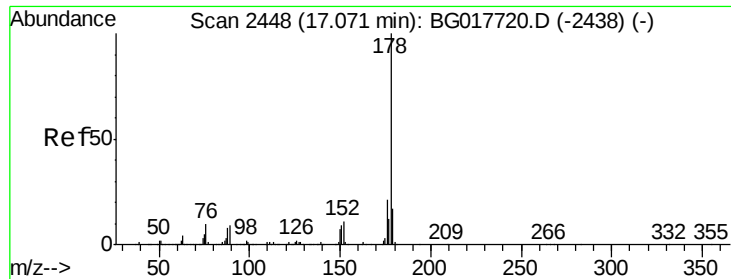


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#70

Phenanthrene

Concen: 3.47 ng

RT: 17.01 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

Instrument :

BNA_G

ClientSampleId :

SB-05-3.5-4.0

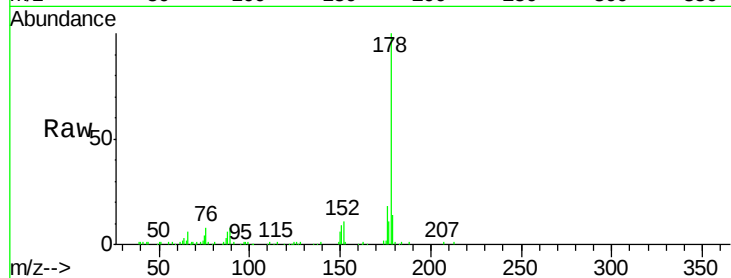
Tgt Ion:178 Resp: 62399

Ion Ratio Lower Upper

178 100

176 18.1 16.5 24.7

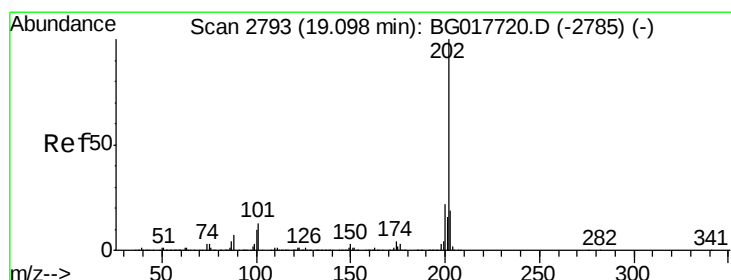
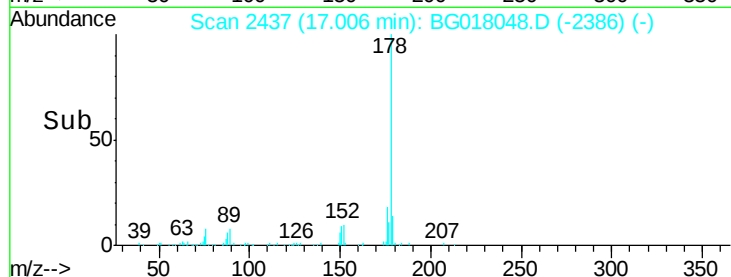
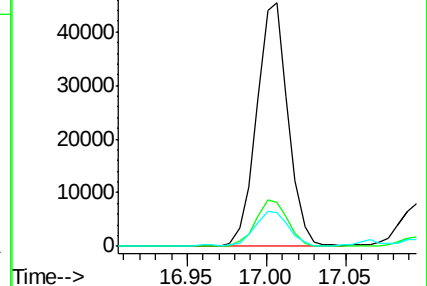
179 13.8 13.5 20.3



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: 5.76 ng

RT: 19.04 min Scan# 2783

Delta R.T. 0.01 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

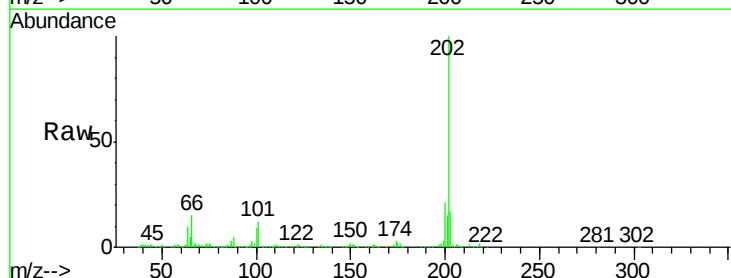
Tgt Ion:202 Resp: 113644

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.3

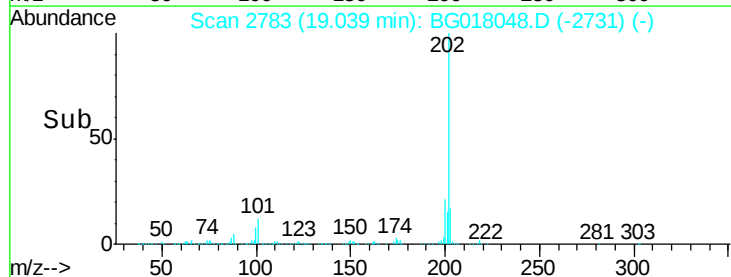
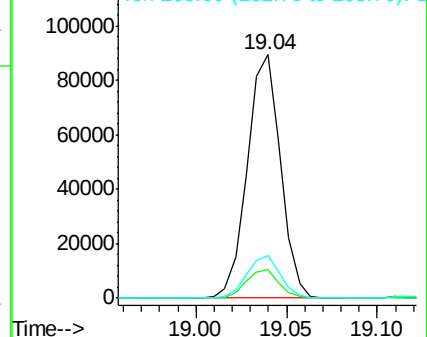
203 17.4 0.0 39.5

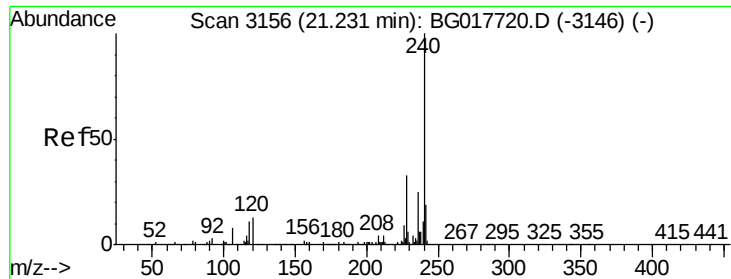


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG018048.D

Acq: 22 Jul 2015 7:55

Instrument :

BNA_G

ClientSampleId :

SB-05-3.5-4.0

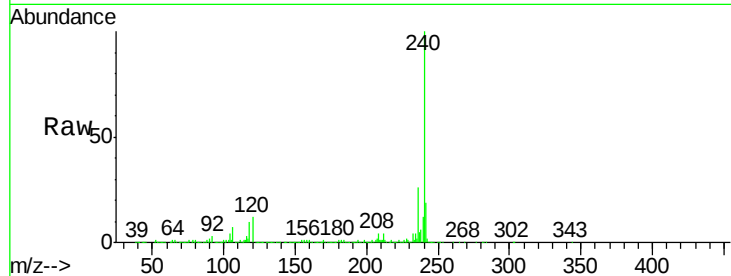
Tgt Ion:240 Resp: 376003

Ion Ratio Lower Upper

240 100

120 11.5 10.8 16.2

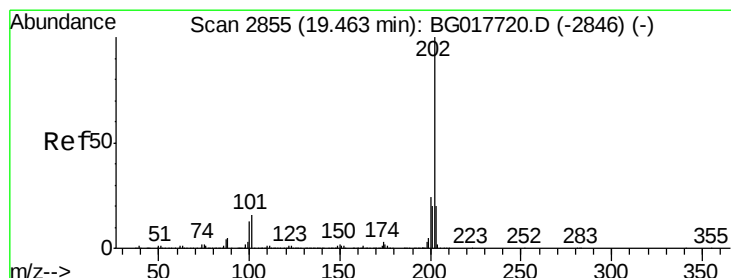
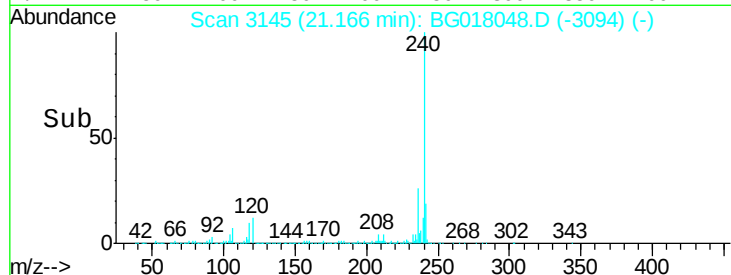
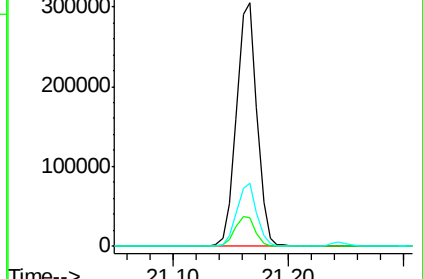
236 25.9 20.0 30.0



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: 5.01 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

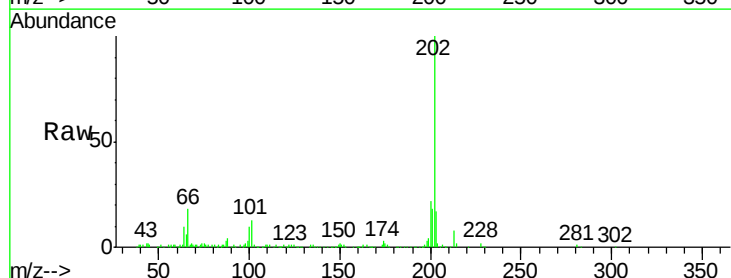
Tgt Ion:202 Resp: 105161

Ion Ratio Lower Upper

202 100

200 21.5 18.8 28.2

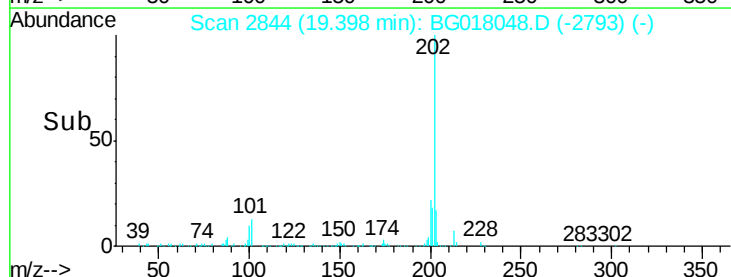
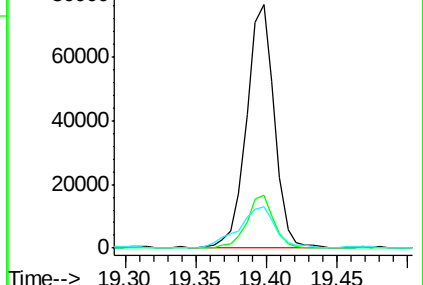
203 16.9 15.9 23.9

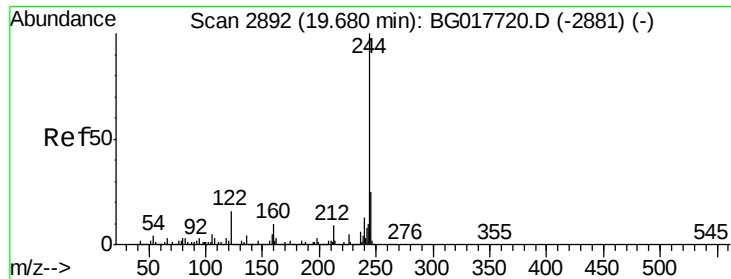


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.32 ng

RT: 19.62 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

Instrument :

BNA_G

ClientSampleId :

SB-05-3.5-4.0

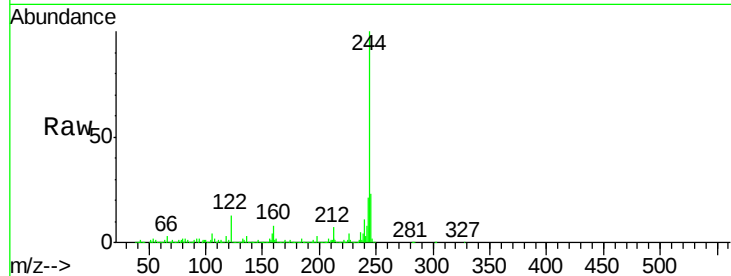
Tgt Ion:244 Resp: 1213780

Ion Ratio Lower Upper

244 100

212 7.5 7.2 10.8

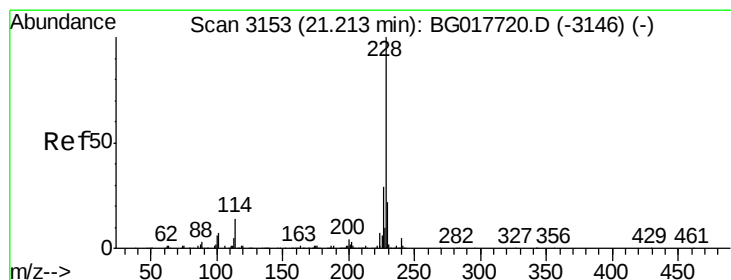
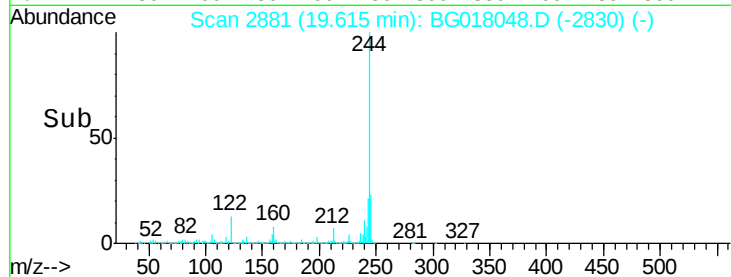
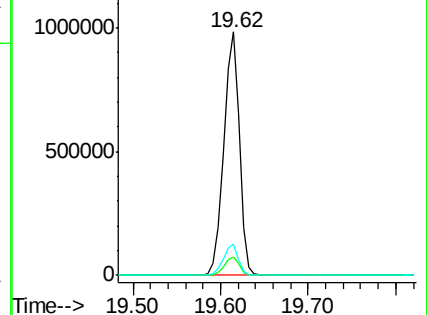
122 12.7 12.8 19.2#



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: 2.86 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

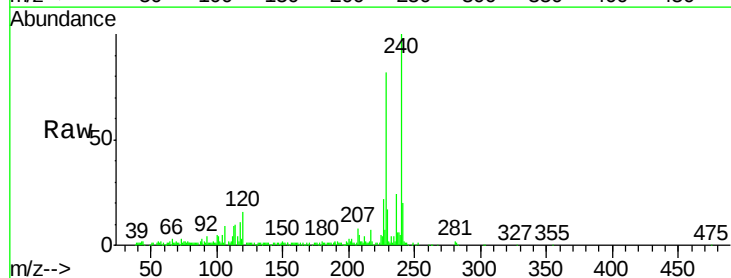
Tgt Ion:228 Resp: 56833

Ion Ratio Lower Upper

228 100

226 27.0 23.1 34.7

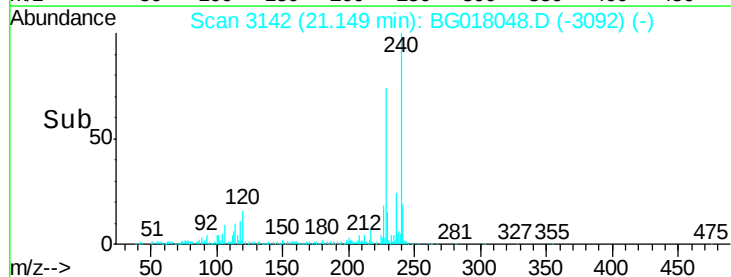
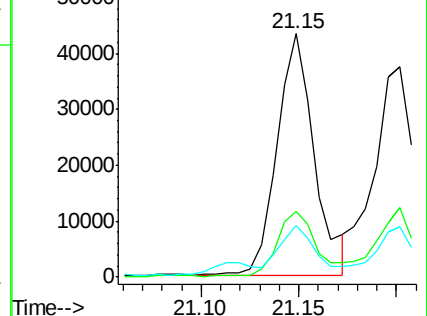
229 21.1 17.4 26.0

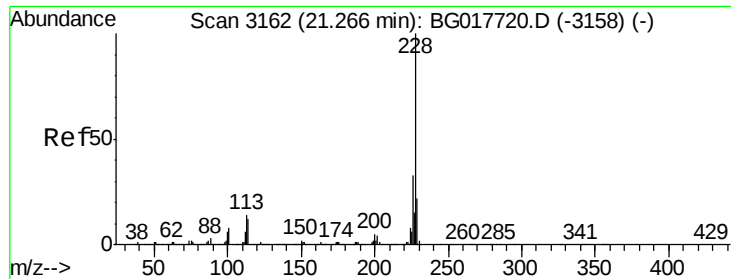


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.79 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

Instrument :

BNA_G

ClientSampleId :

SB-05-3.5-4.0

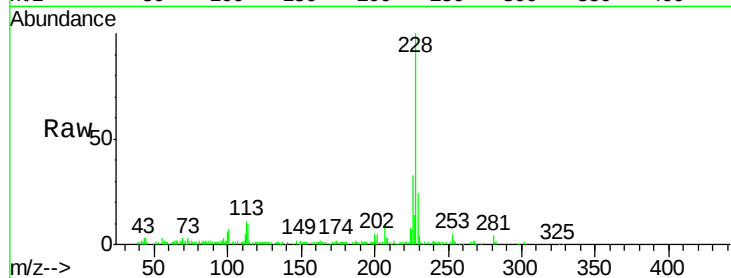
Tgt Ion: 228 Resp: 52723

Ion Ratio Lower Upper

228 100

226 32.9 26.1 39.1

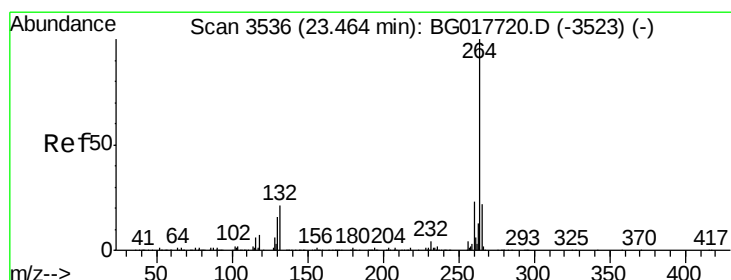
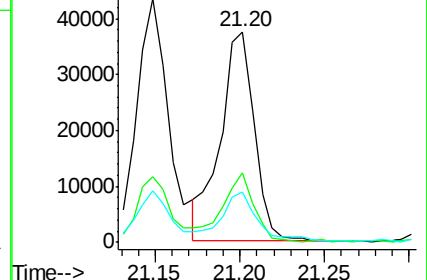
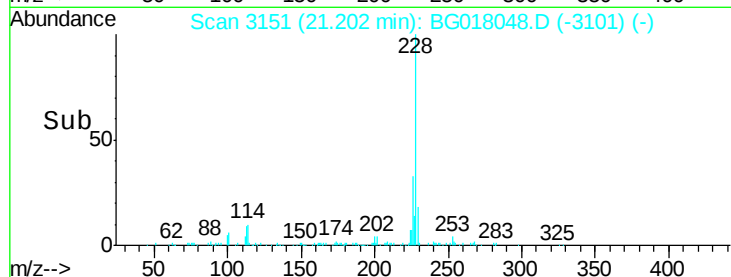
229 24.1 17.7 26.5



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. -0.01 min

Lab File: BG018048.D

Acq: 22 Jul 2015 7:55

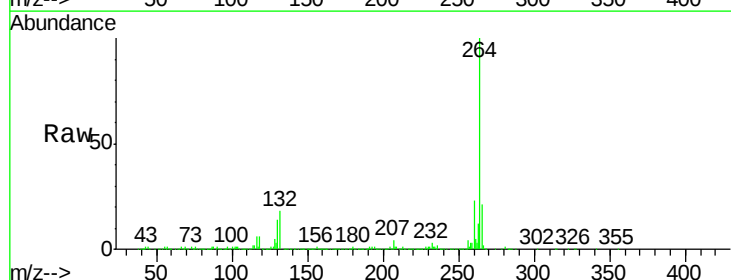
Tgt Ion: 264 Resp: 375657

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

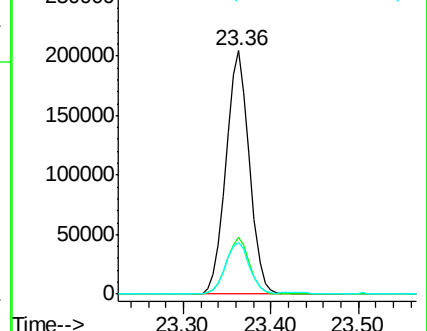
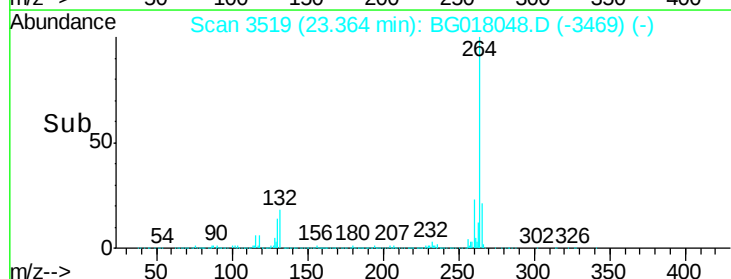
265 21.2 18.2 27.2

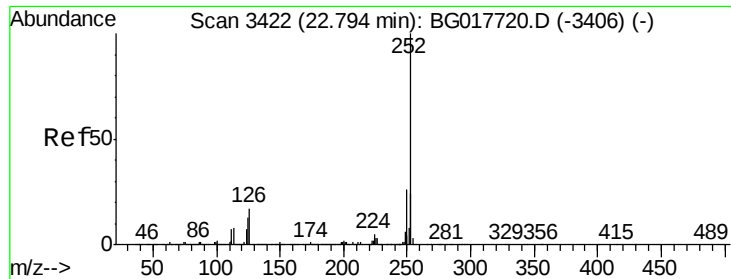


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

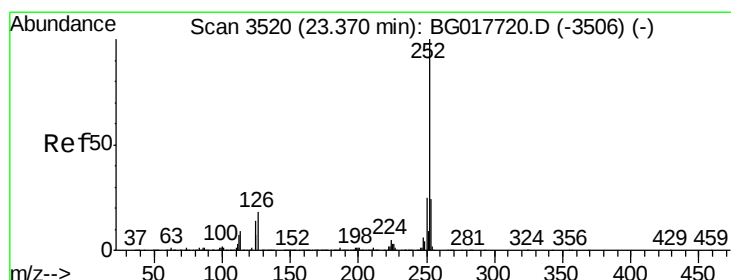
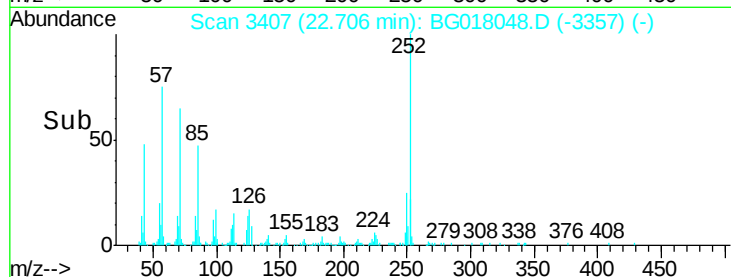
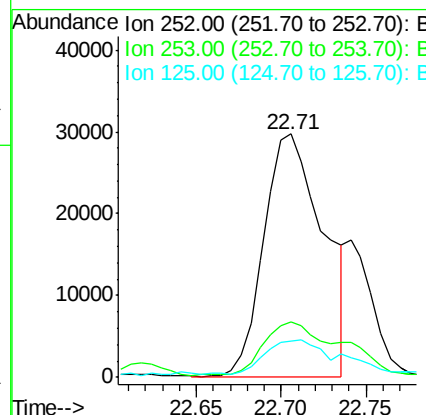
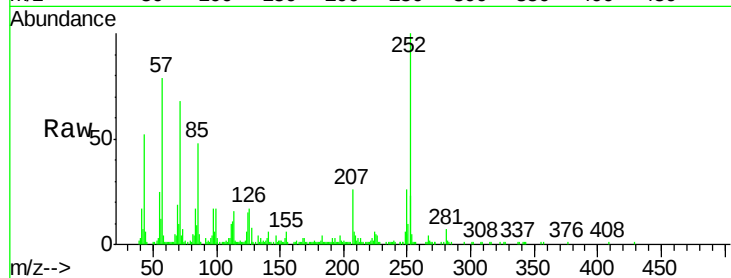




#87
Benzo(b)fluoranthene
Concen: 3.53 ng m
RT: 22.71 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BG018048.D
Acq: 22 Jul 2015 7:55

Instrument :
BNA_G
ClientSampleId :
SB-05-3.5-4.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.7	29.5
125	15.1	10.6	15.8



#89
Benzo(a)pyrene
Concen: 2.56 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BG018048.D
Acq: 22 Jul 2015 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.6
125	14.1	11.1	16.7

