

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018039.D
 Acq On : 22 Jul 2015 2:32
 Operator : TP/UM
 Sample : G3031-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2(3-5)

Quant Time: Jul 22 05:16:17 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

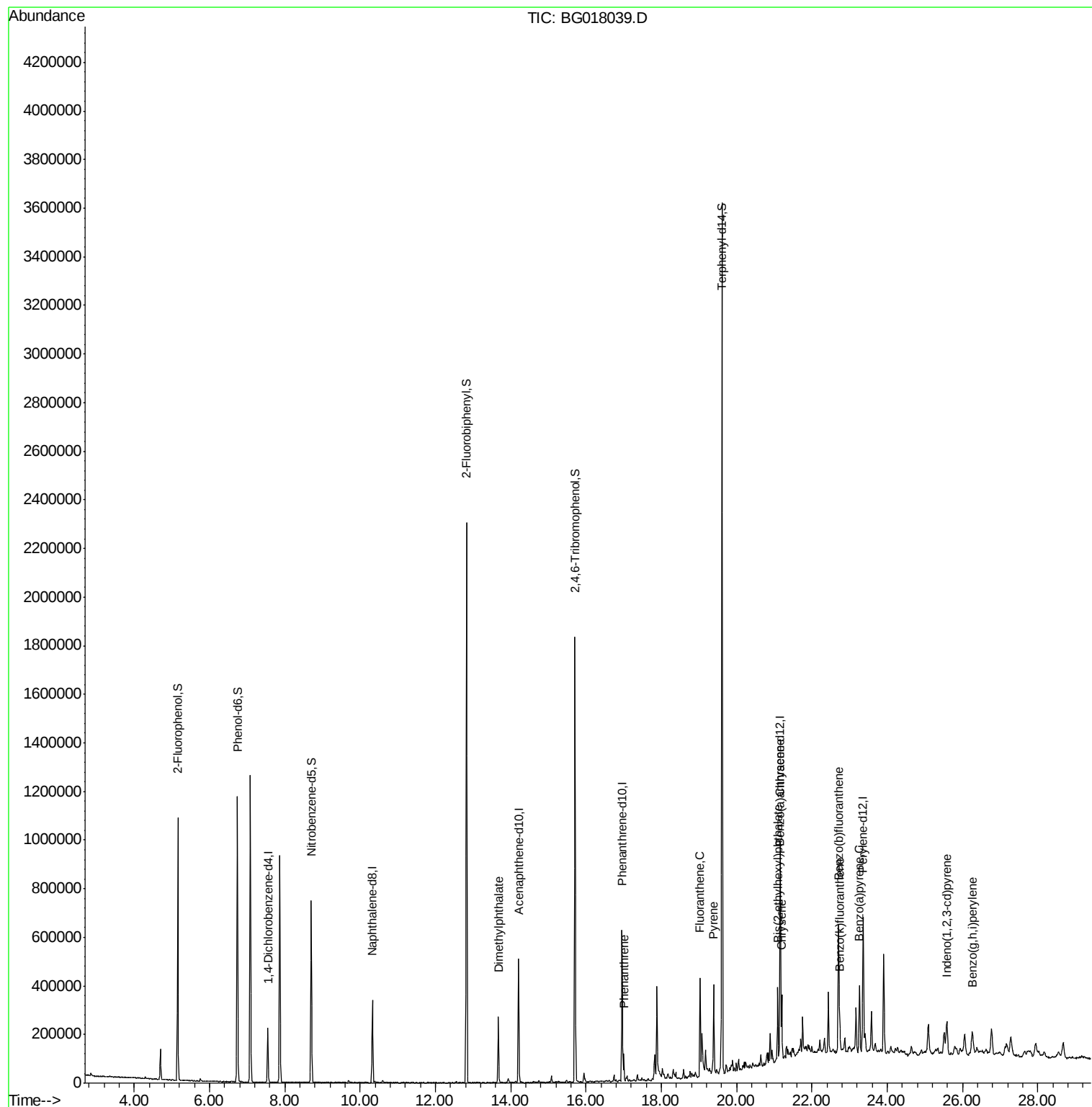
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	61475	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	281017	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	174739	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	359671	20.00	ng	0.00
75) Chrysene-d12	21.16	240	382534	20.00	ng	0.00
86) Perylene-d12	23.36	264	386439	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	491354	139.43	ng	0.00
7) Phenol-d6	6.74	99	711290	154.06	ng	0.00
23) Nitrobenzene-d5	8.71	82	424940	97.94	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	342311	193.36	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	1156903	114.73	ng	0.00
78) Terphenyl-d14	19.62	244	1543008	101.61	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.67	163	175440	14.45	ng	98
70) Phenanthrene	17.00	178	67464	3.64	ng	98
74) Fluoranthene	19.03	202	229057	11.28	ng	95
77) Pyrene	19.39	202	225685	10.58	ng	95
80) Benzo(a)anthracene	21.15	228	140317	6.95	ng	98
82) Chrysene	21.20	228	155664m	8.09	ng	
83) Bis(2-ethylhexyl)phthalate	21.10	149	121774	9.26	ng	98
85) Indeno(1,2,3-cd)pyrene	25.59	276	135827m	5.84	ng	
87) Benzo(b)fluoranthene	22.71	252	254479m	12.04	ng	
88) Benzo(k)fluoranthene	22.74	252	66288m	3.14	ng	
89) Benzo(a)pyrene	23.27	252	165623	8.41	ng	99
91) Benzo(g,h,i)perylene	26.27	276	125107	6.35	ng	97

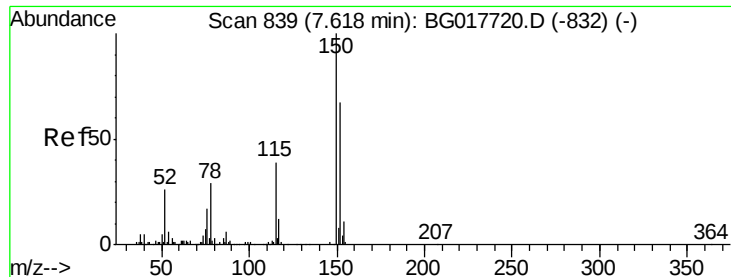
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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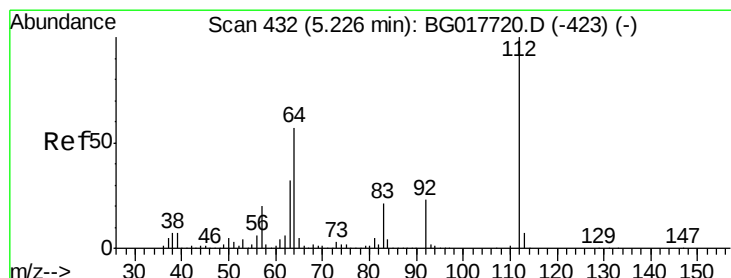
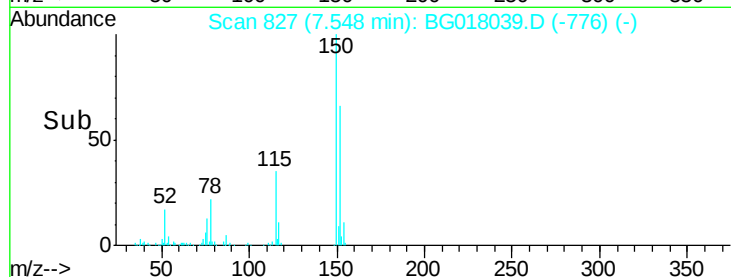
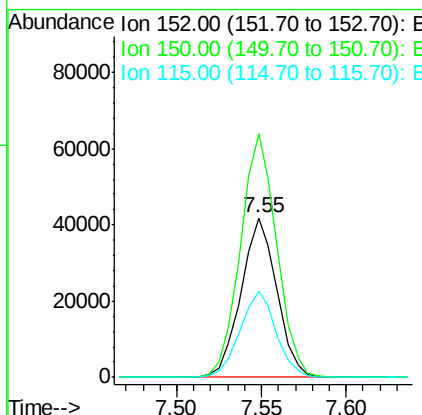
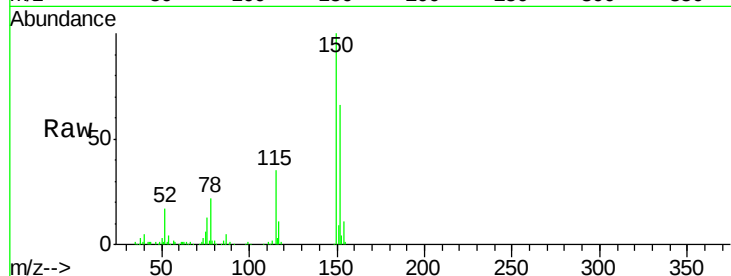


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018039.D
Acq: 22 Jul 2015 2:32

Instrument :
BNA_G
ClientSampleId :
SB-2(3-5)

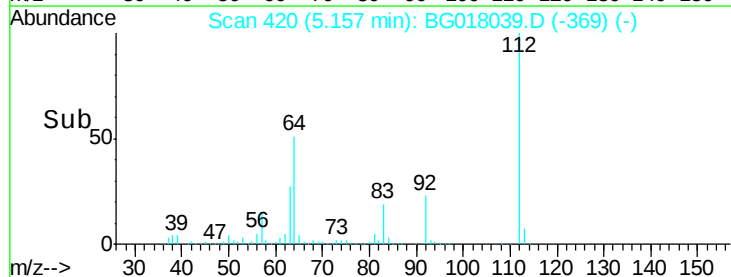
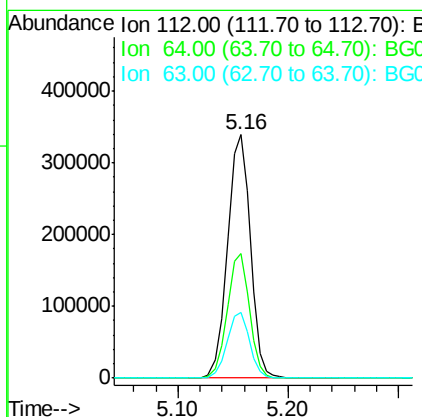
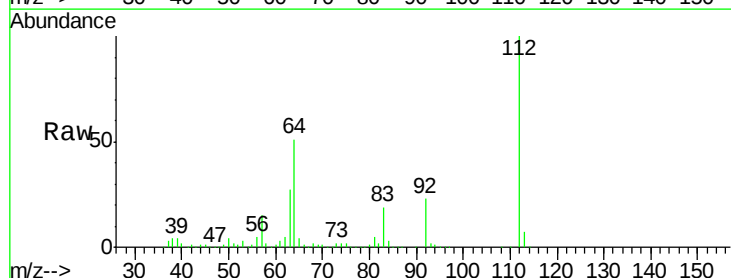
Tgt Ion:152 Resp: 61475
Ion Ratio Lower Upper
152 100
150 152.4 119.1 178.7
115 54.0 47.0 70.4



#5

2-Fluorophenol
Concen: 139.43 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG018039.D
Acq: 22 Jul 2015 2:32

Tgt Ion:112 Resp: 491354
Ion Ratio Lower Upper
112 100
64 50.9 45.4 68.0
63 26.7 25.3 37.9





#7

Phenol-d6

Concen: 154.06 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

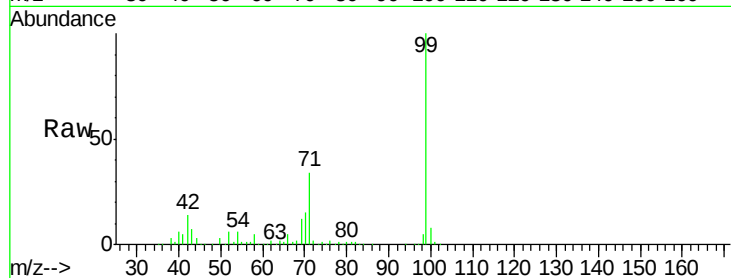
Tgt Ion: 99 Resp: 711290

Ion Ratio Lower Upper

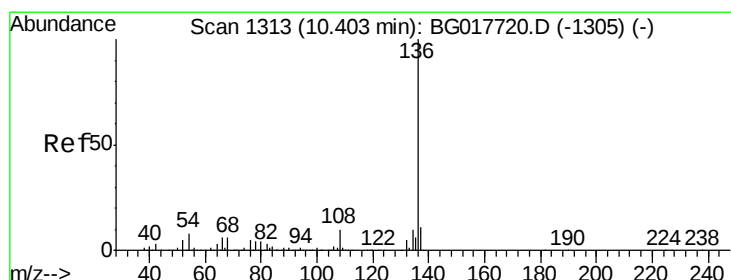
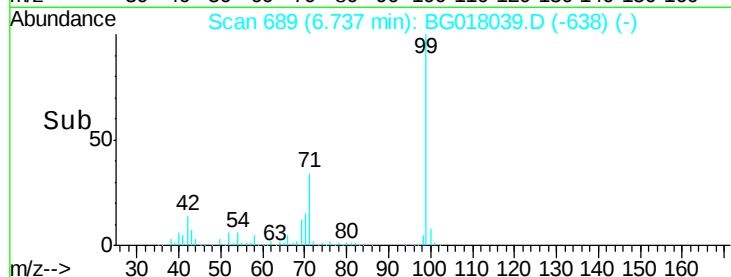
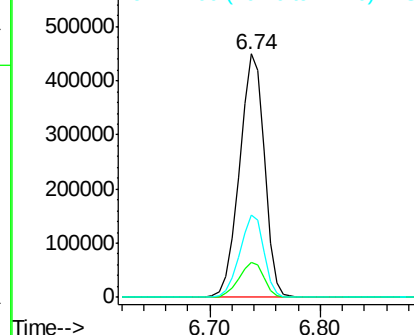
99 100

42 14.4 16.2 24.4#

71 33.9 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: BG018039.D

Acq: 22 Jul 2015 2:32

Tgt Ion: 136 Resp: 281017

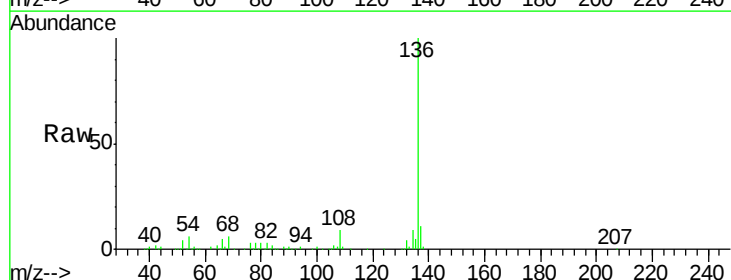
Ion Ratio Lower Upper

136 100

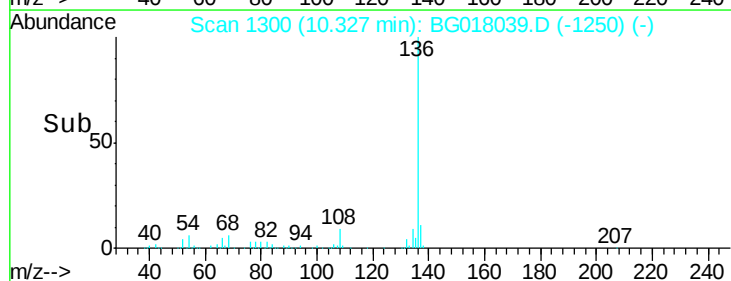
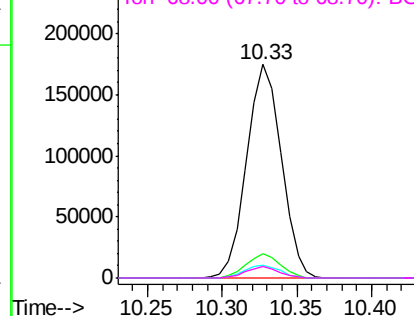
137 11.3 8.8 13.2

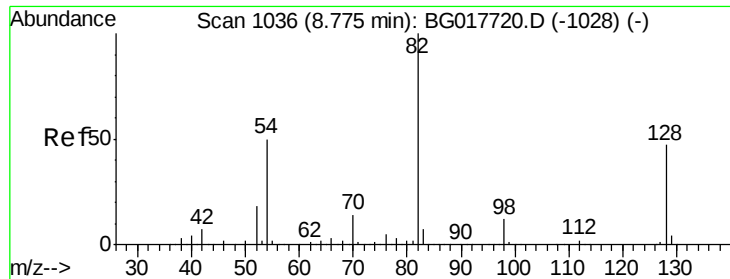
54 6.0 6.6 9.8#

68 5.6 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

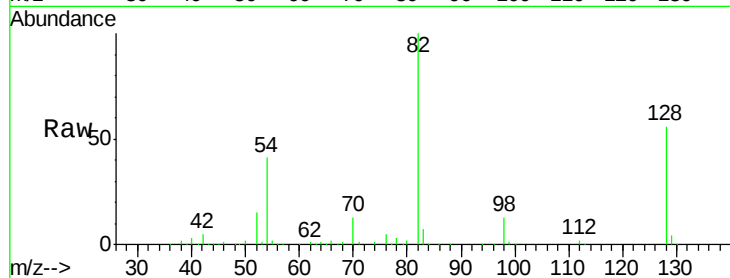




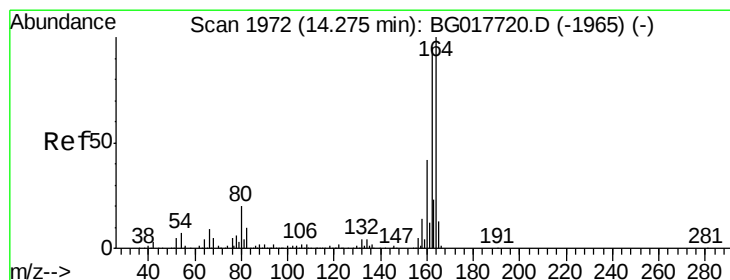
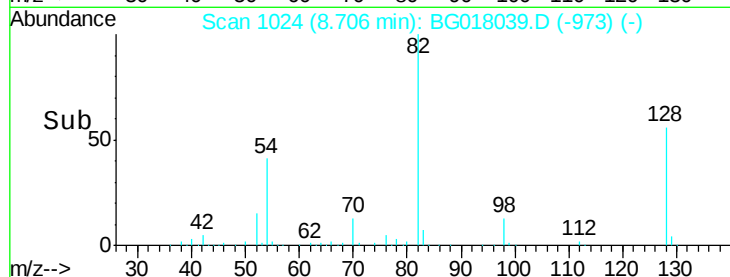
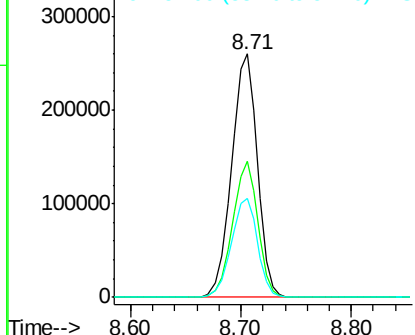
#23
 Nitrobenzene-d5
 Concen: 97.94 ng
 RT: 8.71 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BG018039.D
 Acq: 22 Jul 2015 2:32

Instrument :
 BNA_G
 ClientSampleId :
 SB-2(3-5)

Tgt Ion: 82 Resp: 424940
 Ion Ratio Lower Upper
 82 100
 128 55.9 37.8 56.6
 54 40.9 39.9 59.9

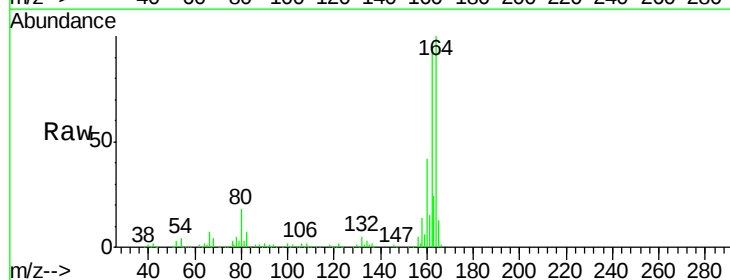


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

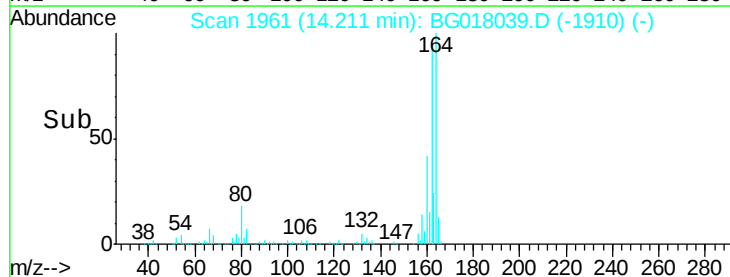
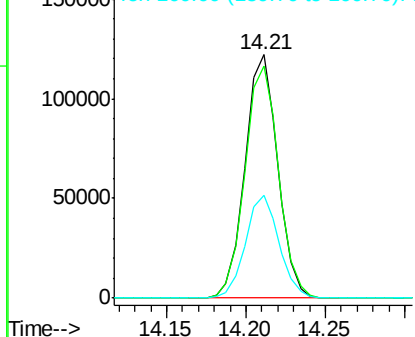


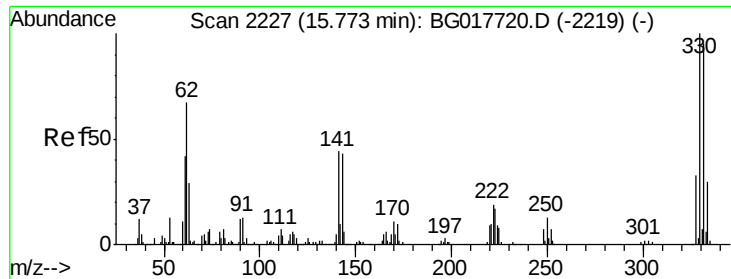
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.21 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BG018039.D
 Acq: 22 Jul 2015 2:32

Tgt Ion: 164 Resp: 174739
 Ion Ratio Lower Upper
 164 100
 162 95.1 76.3 114.5
 160 42.3 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

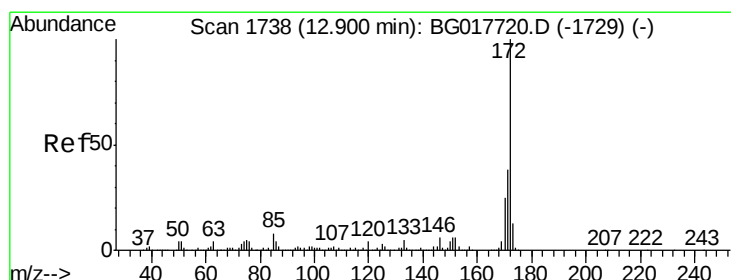
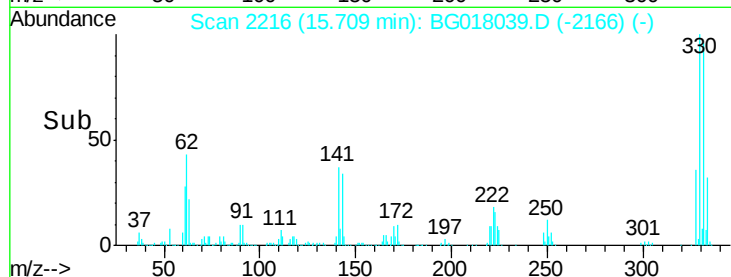
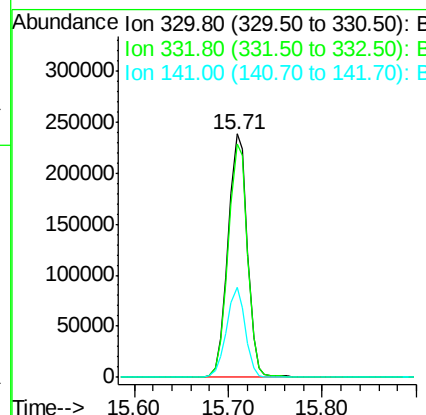
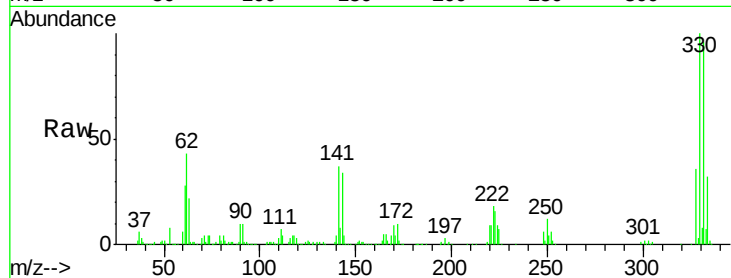




#41
 2,4,6-Tribromophenol
 Concen: 193.36 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG018039.D
 Acq: 22 Jul 2015 2:32

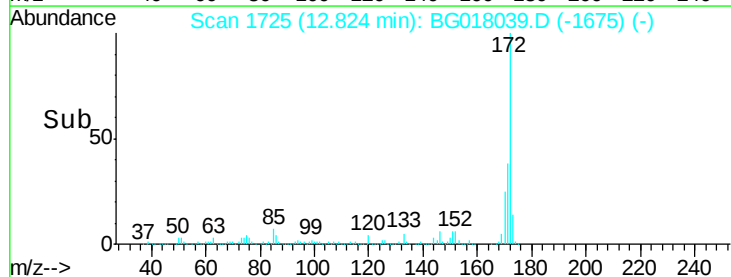
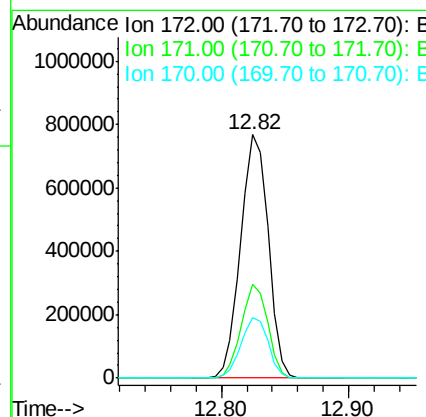
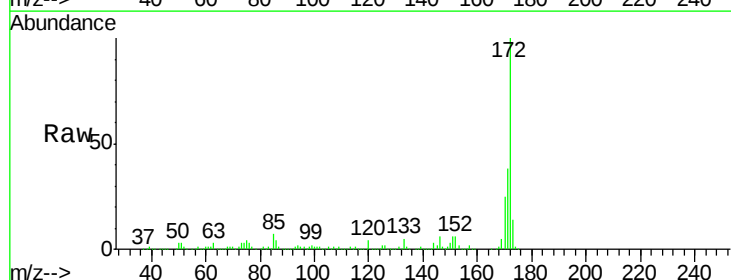
Instrument :
 BNA_G
 ClientSampleId :
 SB-2(3-5)

Tgt Ion:330 Resp: 342311
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 35.7 38.0 57.0#



#44
 2-Fluorobiphenyl
 Concen: 114.73 ng
 RT: 12.82 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG018039.D
 Acq: 22 Jul 2015 2:32

Tgt Ion:172 Resp: 1156903
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.7 46.1
 170 24.9 19.7 29.5





#49

Dimethylphthalate

Concen: 14.45 ng

RT: 13.67 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

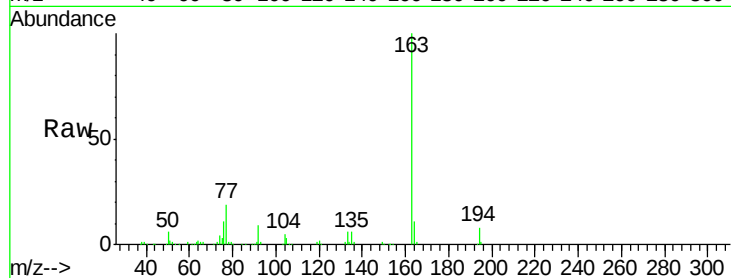
Tgt Ion:163 Resp: 175440

Ion Ratio Lower Upper

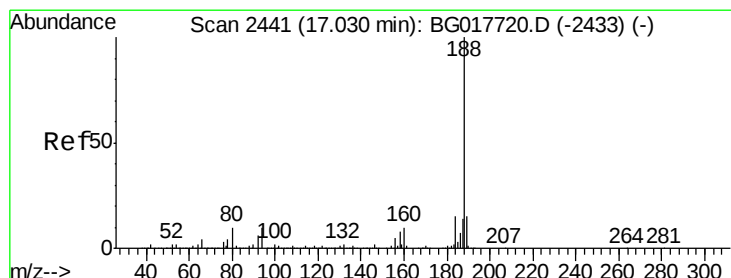
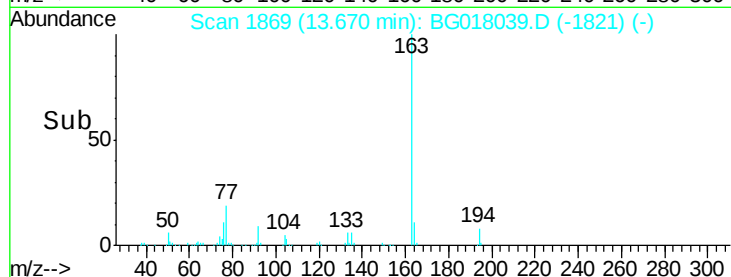
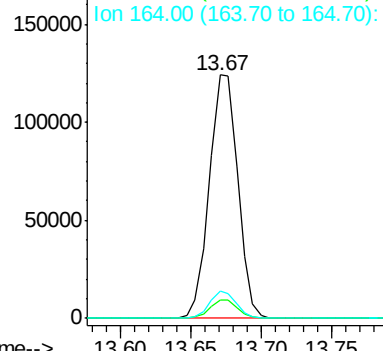
163 100

194 7.5 5.8 8.6

164 11.2 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: 16.96 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

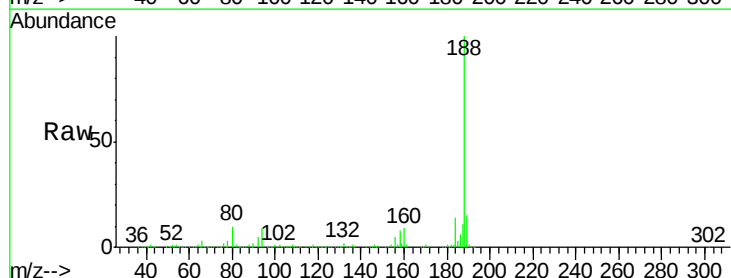
Tgt Ion:188 Resp: 359671

Ion Ratio Lower Upper

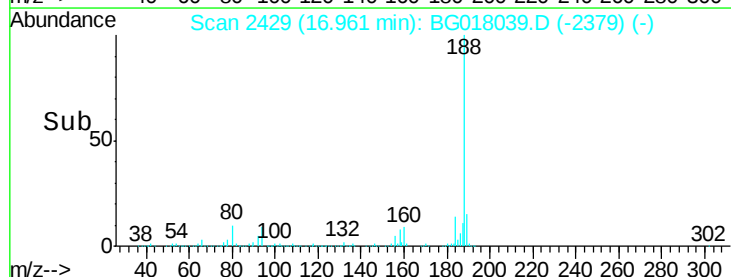
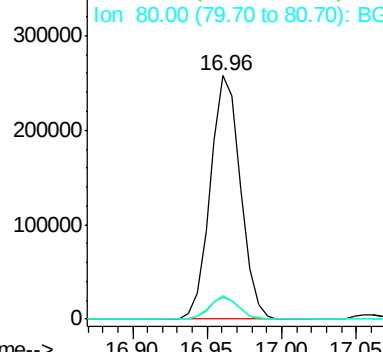
188 100

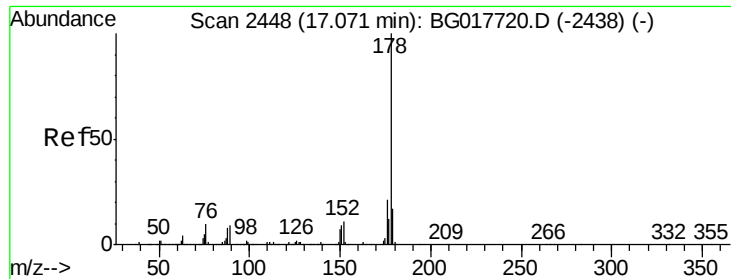
94 8.9 8.2 12.2

80 9.5 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: 3.64 ng

RT: 17.00 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

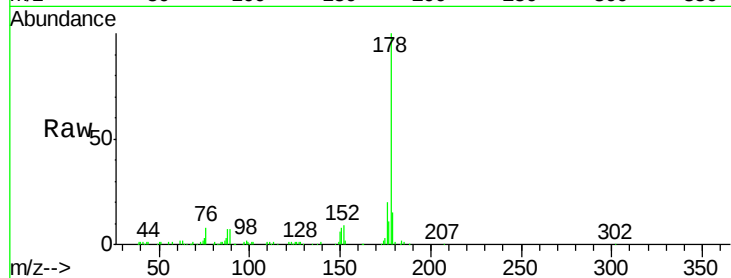
Tgt Ion:178 Resp: 67464

Ion Ratio Lower Upper

178 100

176 20.2 16.5 24.7

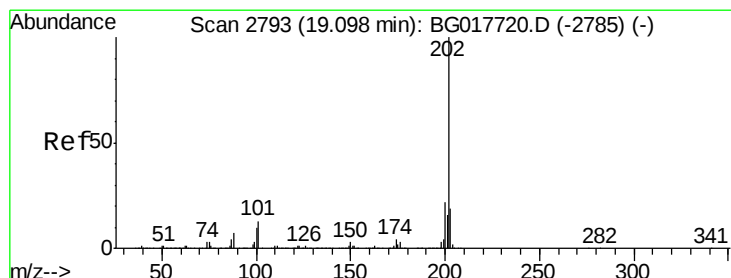
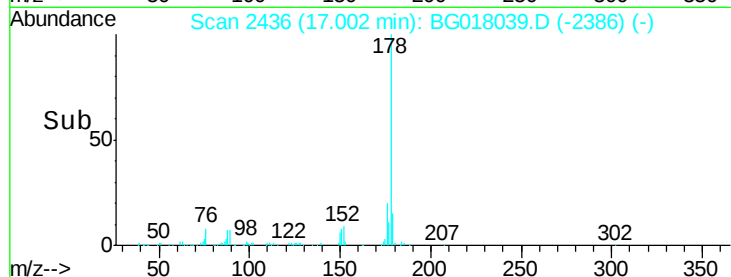
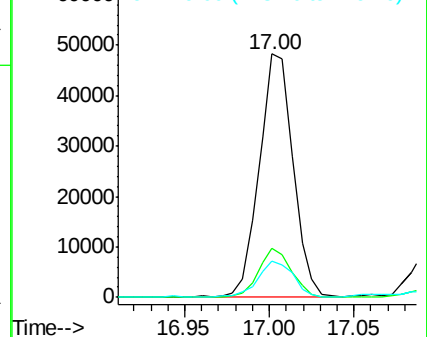
179 15.1 13.5 20.3



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: 11.28 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

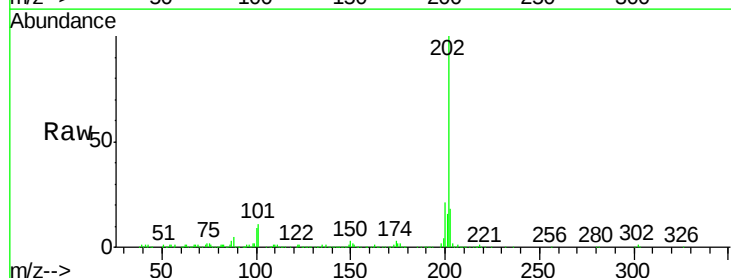
Tgt Ion:202 Resp: 229057

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.3

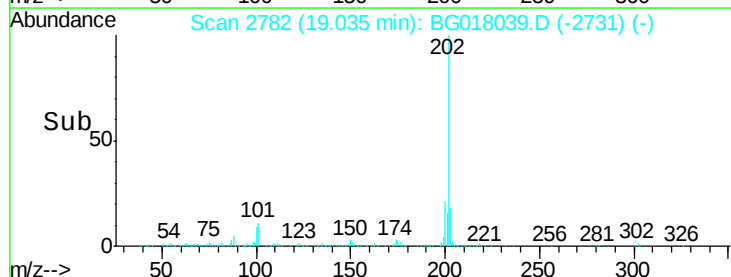
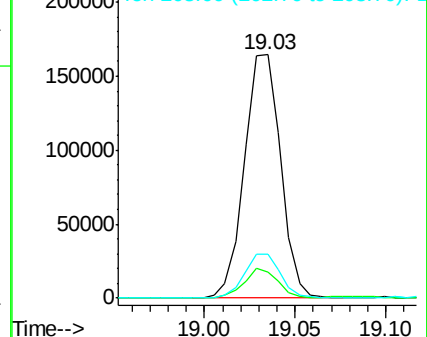
203 17.9 0.0 39.5

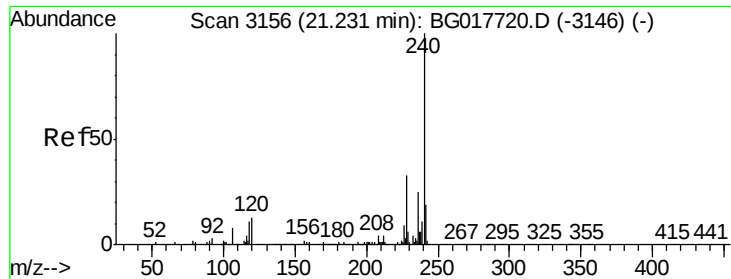


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

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SB-2(3-5)

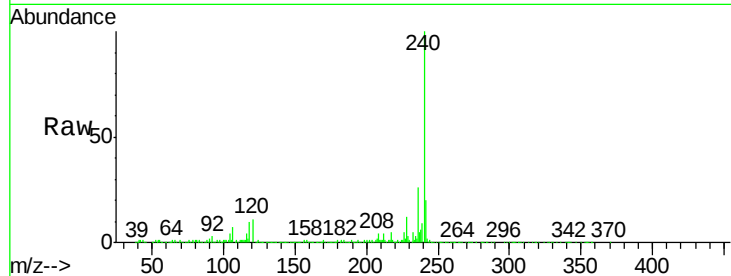
Tgt Ion:240 Resp: 382534

Ion Ratio Lower Upper

240 100

120 11.0 10.8 16.2

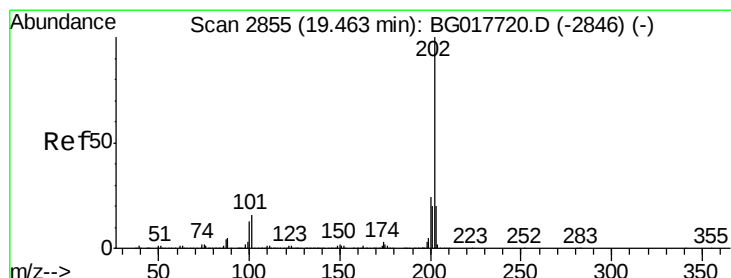
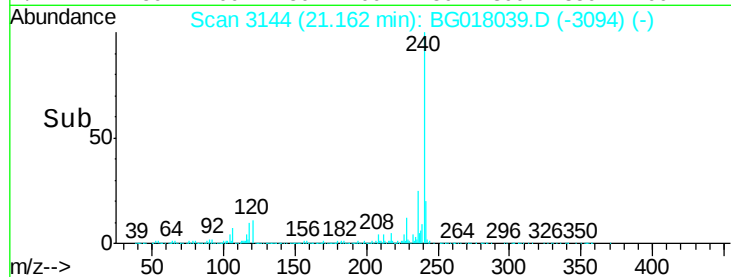
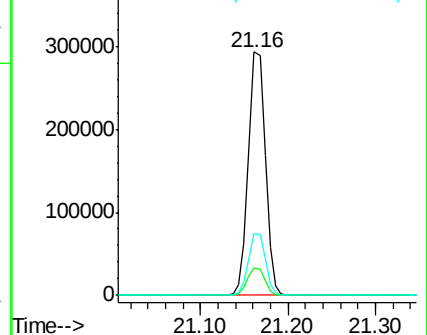
236 25.6 20.0 30.0



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: 10.58 ng

RT: 19.39 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

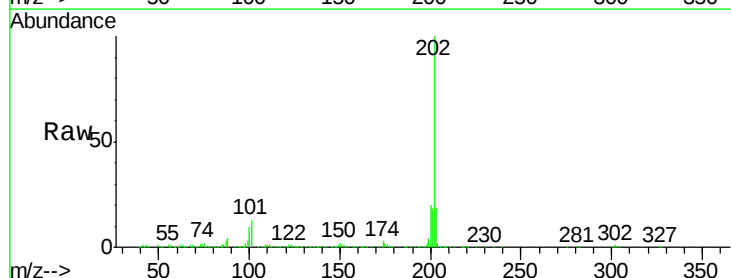
Tgt Ion:202 Resp: 225685

Ion Ratio Lower Upper

202 100

200 20.1 18.8 28.2

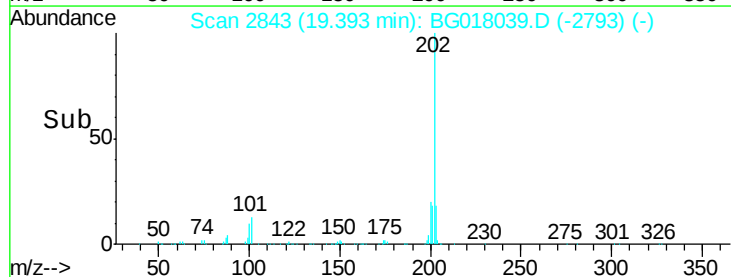
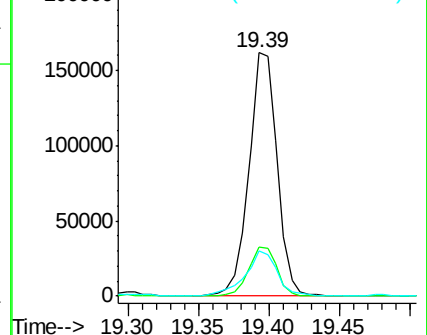
203 18.5 15.9 23.9

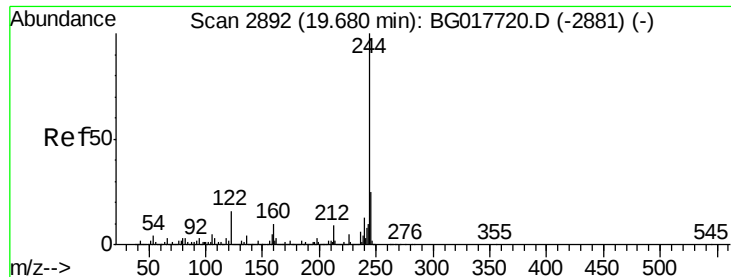


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 101.61 ng

RT: 19.62 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

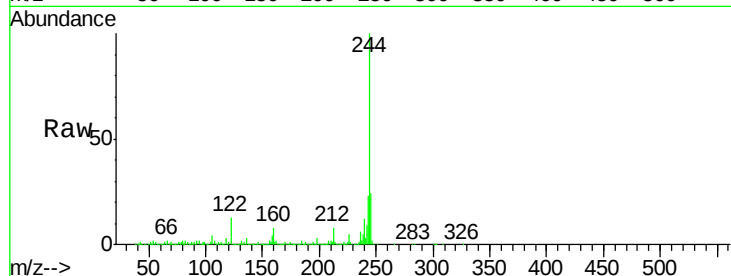
Tgt Ion:244 Resp: 1543008

Ion Ratio Lower Upper

244 100

212 8.0 7.2 10.8

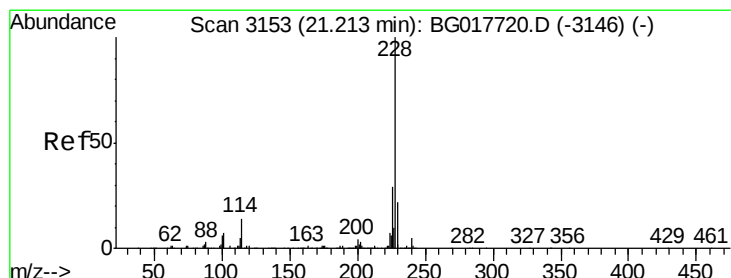
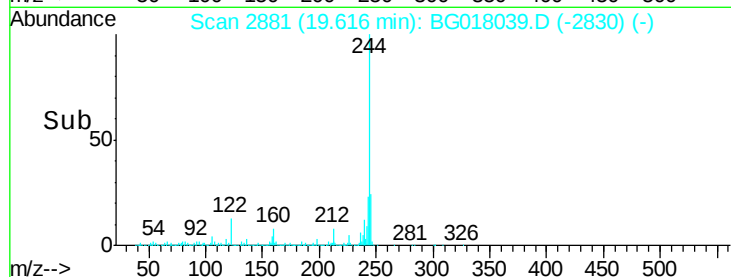
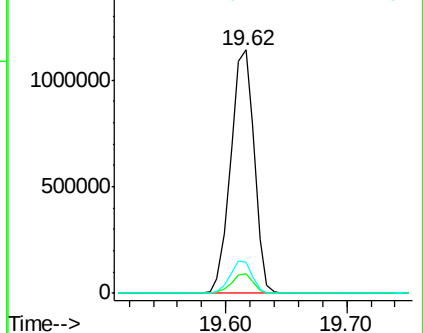
122 12.8 12.8 19.2



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: 6.95 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

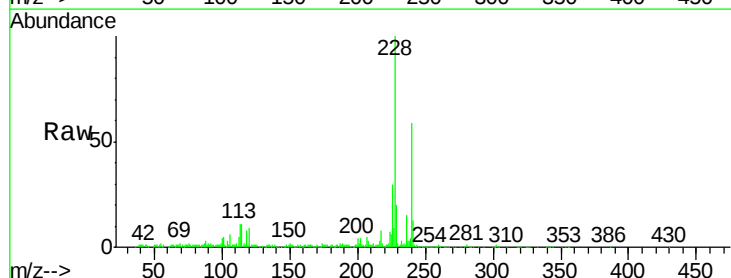
Tgt Ion:228 Resp: 140317

Ion Ratio Lower Upper

228 100

226 29.5 23.1 34.7

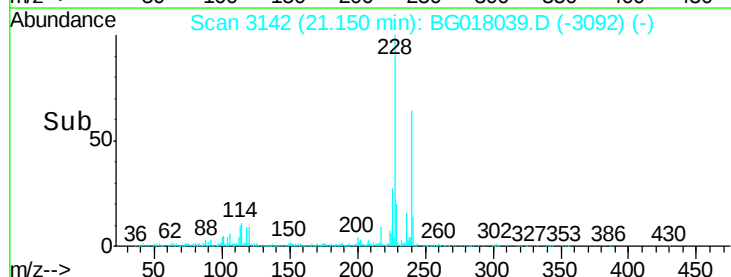
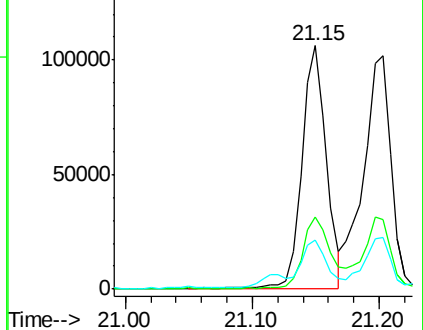
229 20.3 17.4 26.0

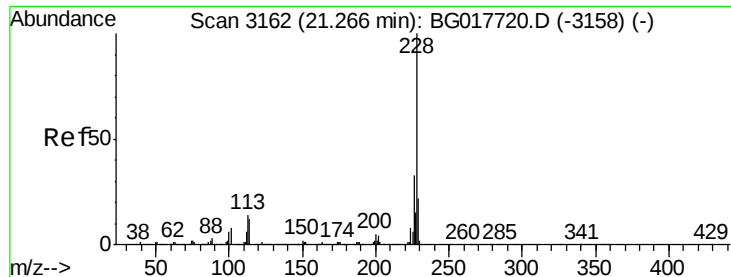


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.09 ng m

RT: 21.20 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

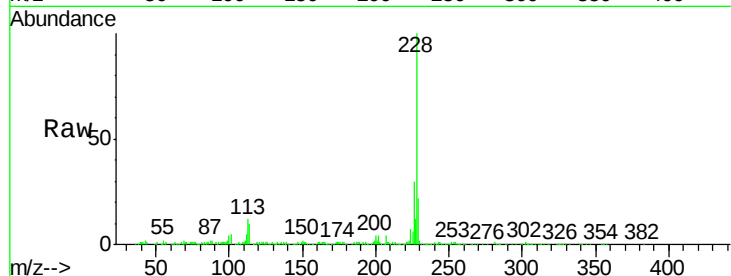
Tgt Ion: 228 Resp: 155664

Ion Ratio Lower Upper

228 100

226 30.0 26.1 39.1

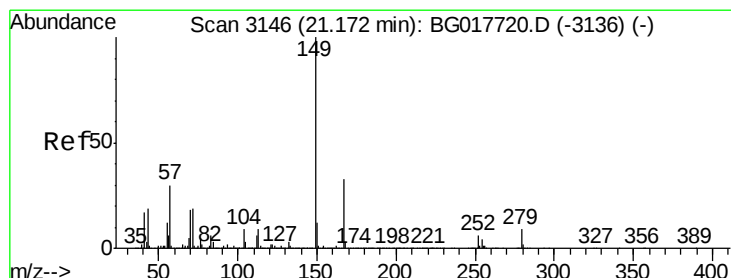
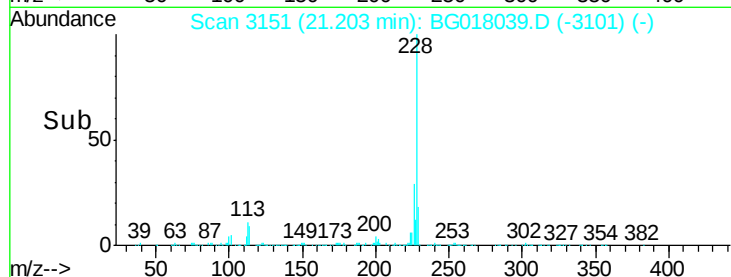
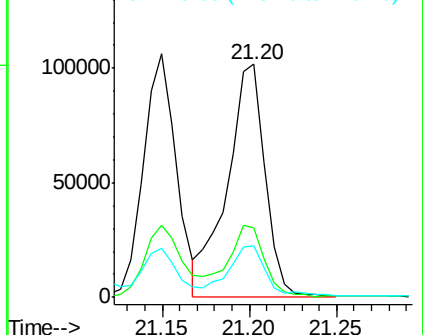
229 22.0 17.7 26.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.26 ng

RT: 21.10 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

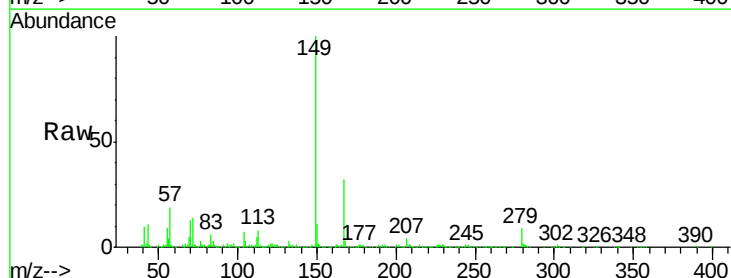
Tgt Ion: 149 Resp: 121774

Ion Ratio Lower Upper

149 100

167 31.9 26.6 39.8

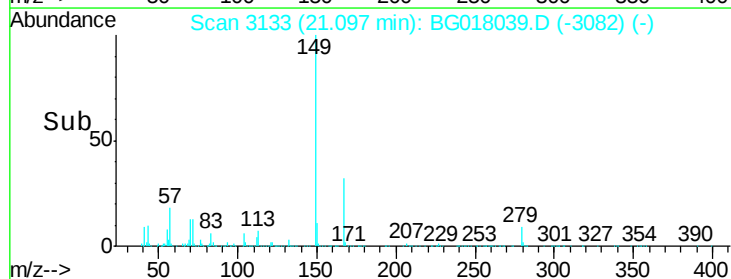
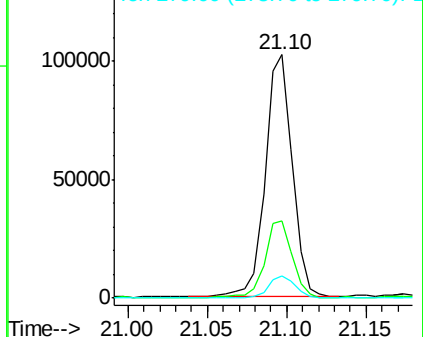
279 9.1 6.9 10.3

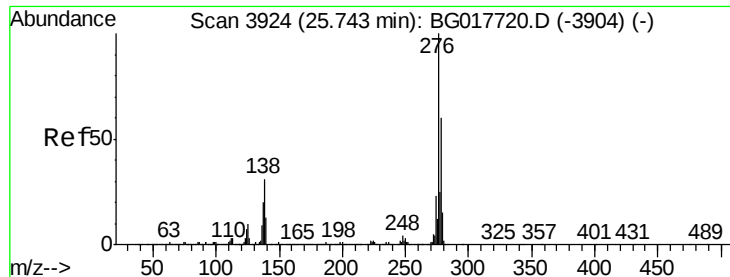


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.84 ng m

RT: 25.59 min Scan# 3897

Delta R.T. -0.02 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

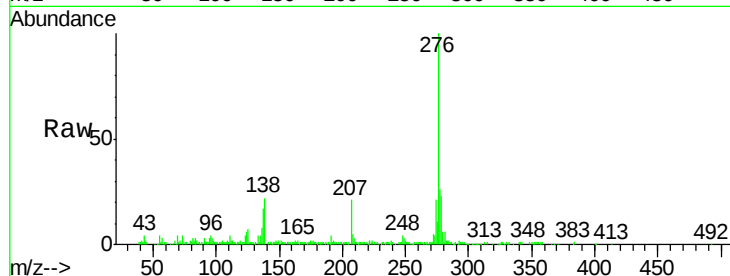
Tgt Ion:276 Resp: 135827

Ion Ratio Lower Upper

276 100

138 2.7 25.4 38.0#

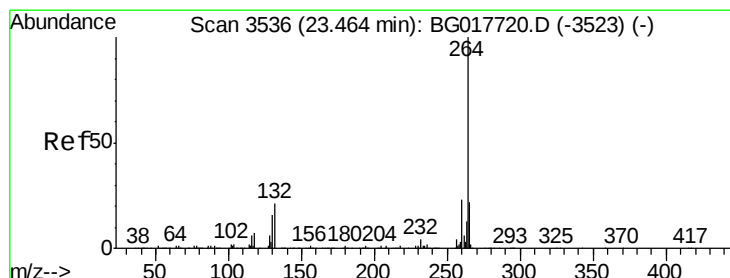
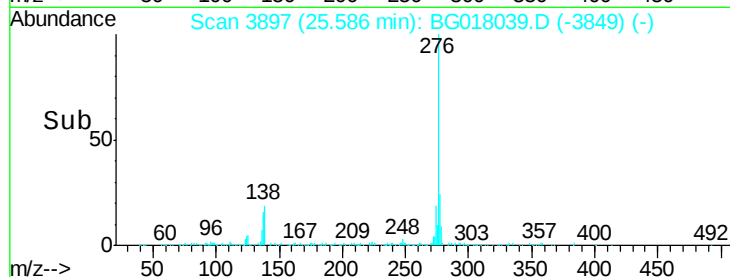
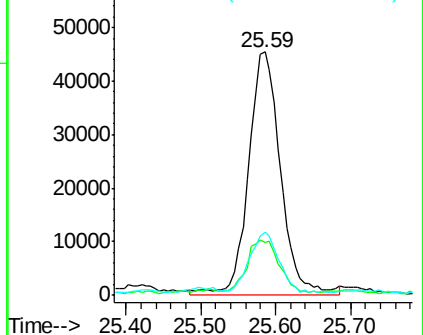
277 3.1 21.0 31.4#



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: 23.36 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

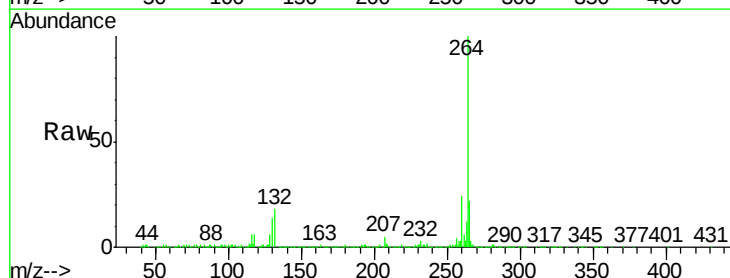
Tgt Ion:264 Resp: 386439

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

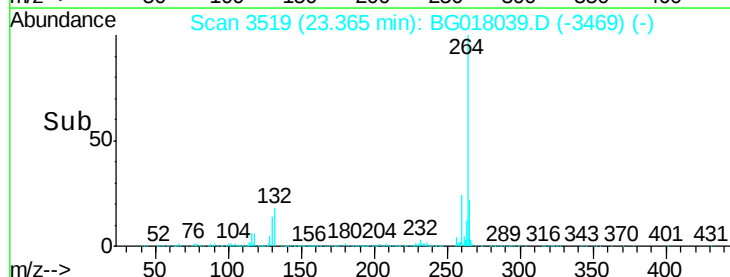
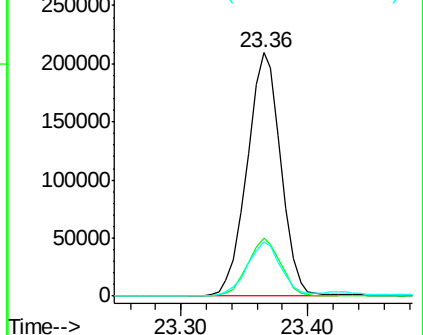
265 22.3 18.2 27.2

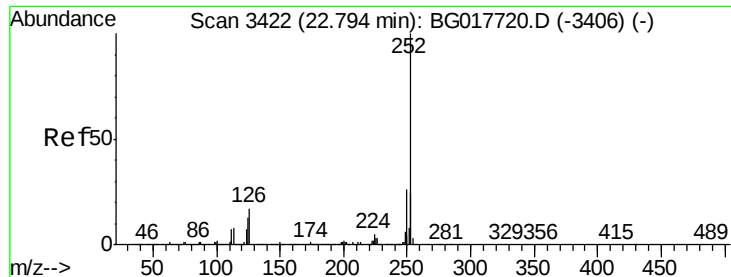


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 12.04 ng m

RT: 22.71 min Scan# 3407

Delta R.T. -0.00 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

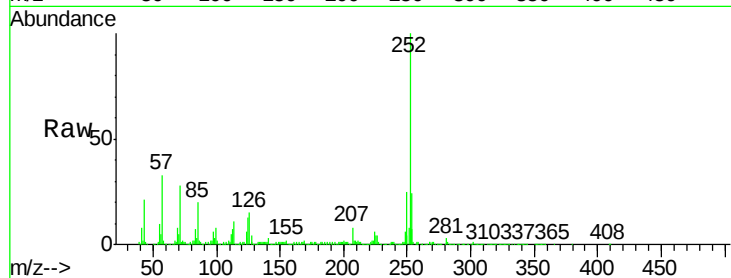
Tgt Ion:252 Resp: 254479

Ion Ratio Lower Upper

252 100

253 24.3 19.7 29.5

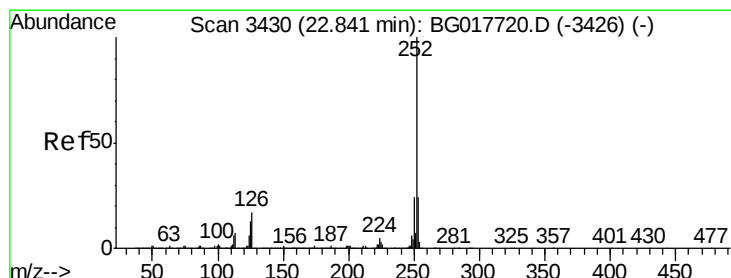
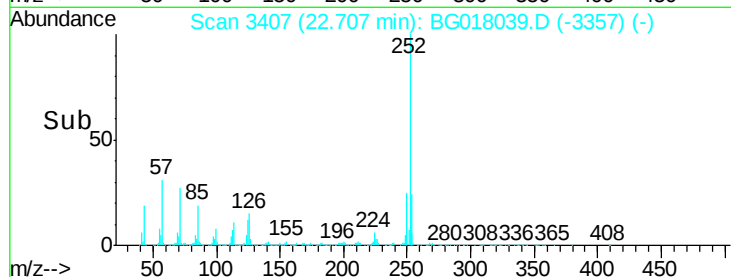
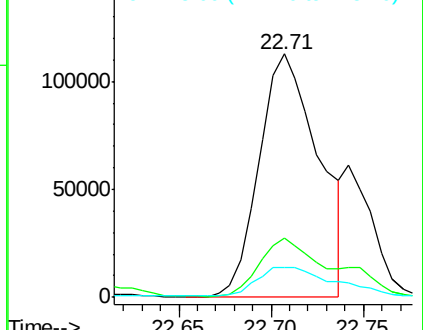
125 12.5 10.6 15.8



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: 3.14 ng m

RT: 22.74 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

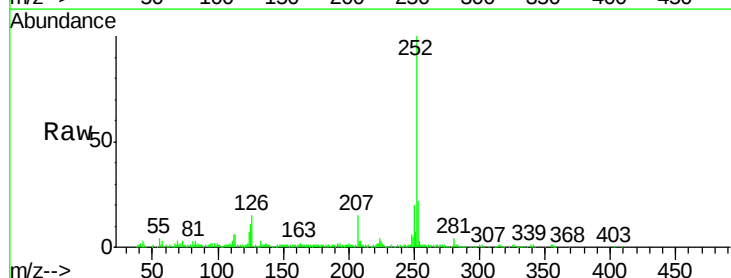
Tgt Ion:252 Resp: 66288

Ion Ratio Lower Upper

252 100

253 22.4 19.0 28.6

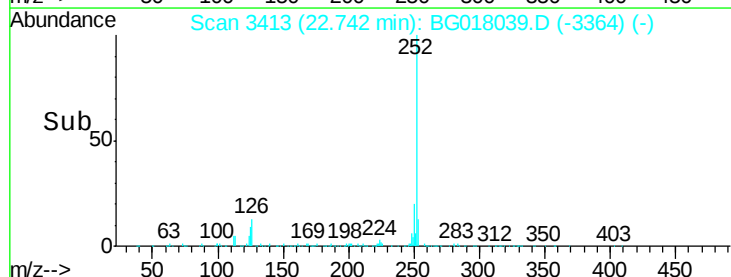
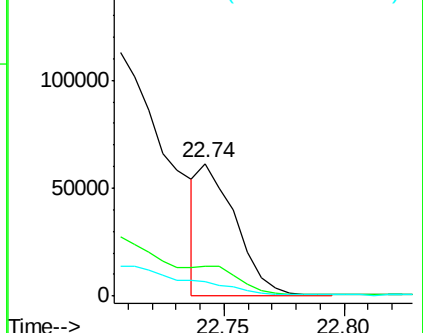
125 11.2 10.3 15.5

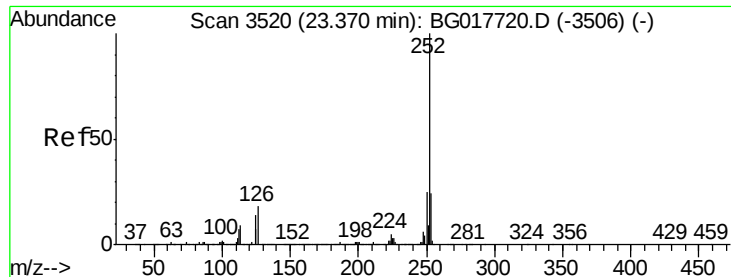


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.41 ng

RT: 23.27 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

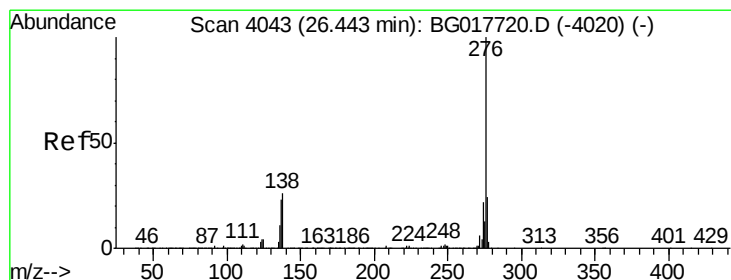
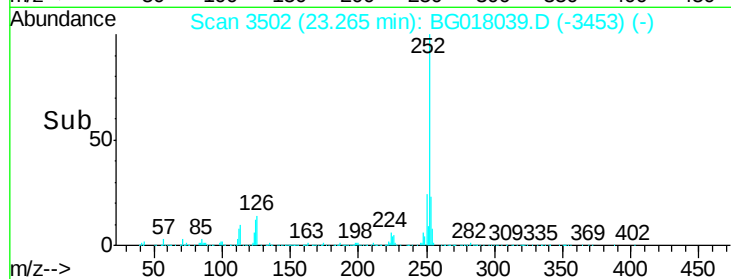
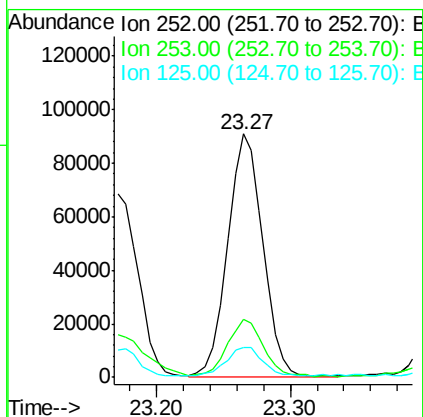
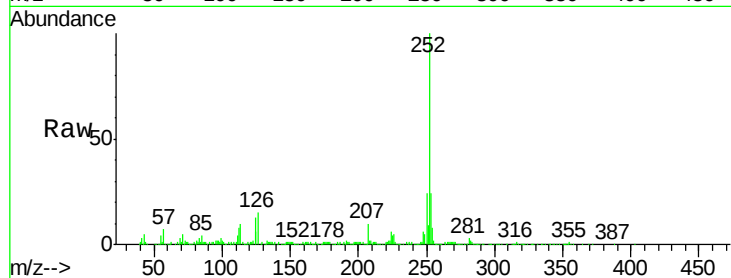
Instrument :

BNA_G

ClientSampleId :

SB-2(3-5)

Tgt Ion:	252	Resp:	165623
Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	12.5	11.1	16.7



#91

Benzo(g,h,i)perylene

Concen: 6.35 ng

RT: 26.27 min Scan# 4014

Delta R.T. -0.01 min

Lab File: BG018039.D

Acq: 22 Jul 2015 2:32

Tgt Ion:	276	Resp:	125107
Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	24.3	20.8	31.2

