

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018024.D
 Acq On : 21 Jul 2015 15:57
 Operator : TP/UM
 Sample : G2957-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1RE

Quant Time: Jul 22 02:02:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 01:57:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	115844	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	519710	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	330034	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	643232	20.00	ng	0.00
75) Chrysene-d12	21.19	240	665085	20.00	ng	0.00
86) Perylene-d12	23.41	264	694922	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	716745	107.93	ng	0.00
7) Phenol-d6	6.76	99	940427	108.10	ng	0.00
23) Nitrobenzene-d5	8.73	82	527883	65.79	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	390549	116.80	ng	0.00
44) 2-Fluorobiphenyl	12.85	172	877497	46.08	ng	0.00
78) Terphenyl-d14	19.63	244	1125932	42.64	ng	0.00

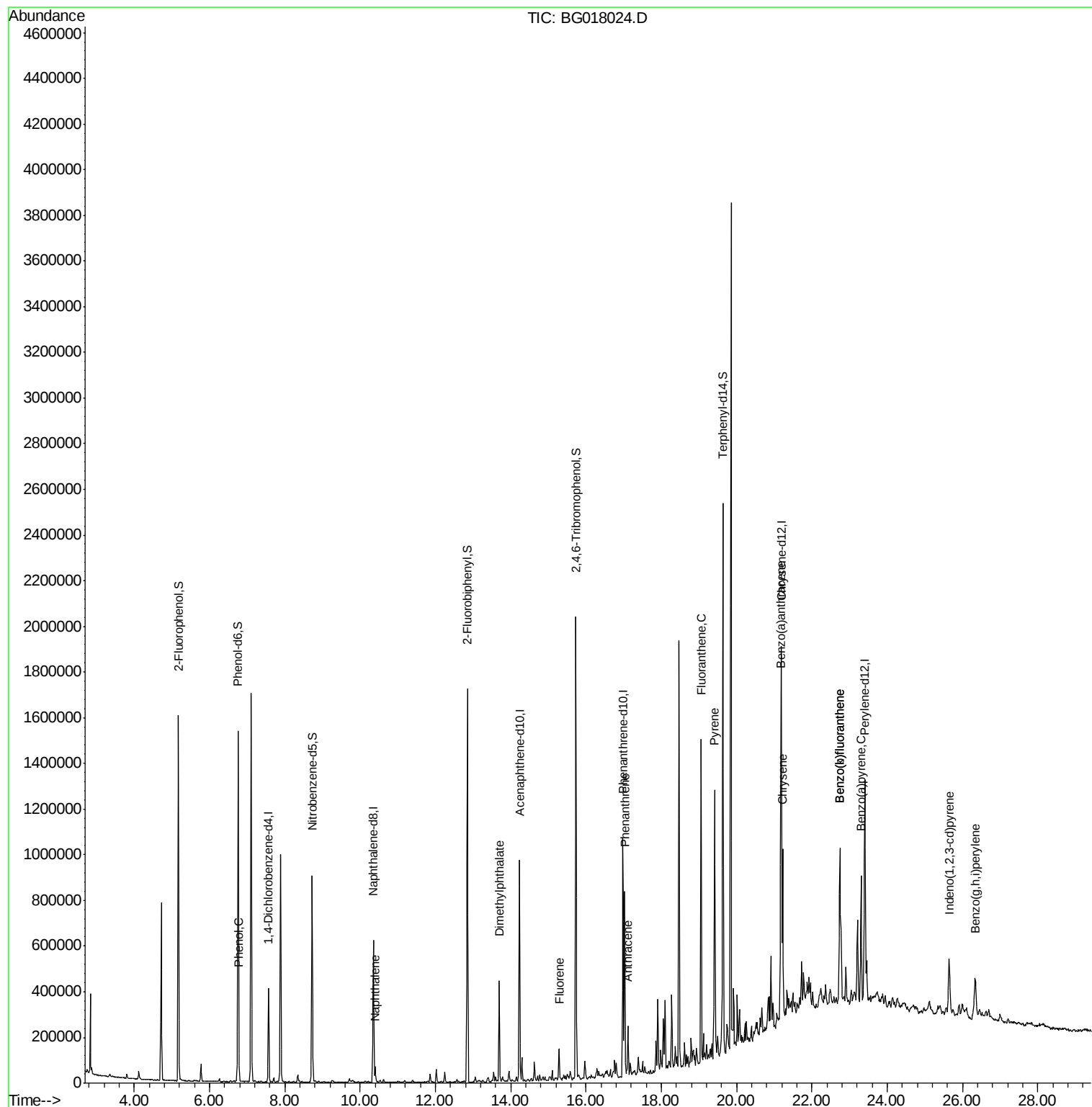
Target Compounds				Qvalue		
10) Phenol	6.78	94	33265	3.58	ng	97
31) Naphthalene	10.40	128	57469	2.26	ng	98
32) Benzoic acid	9.81	122	2859	Below	Cal	# 25
49) Dimethylphthalate	13.69	163	282563	12.33	ng	99
57) Fluorene	15.29	166	60304	2.57	ng	98
69) Pentachlorophenol	16.65	266	67	Below	Cal	# 18
70) Phenanthrene	17.03	178	489945	14.77	ng	99
71) Anthracene	17.12	178	133669	4.14	ng	99
74) Fluoranthene	19.06	202	815965	22.46	ng	97
77) Pyrene	19.42	202	705733	19.03	ng	98
80) Benzo(a)anthracene	21.17	228	460883	13.12	ng	99
82) Chrysene	21.23	228	400046	11.96	ng	96
85) Indeno(1,2,3-cd)pyrene	25.64	276	255882	6.32	ng	# 86
87) Benzo(b)fluoranthene	22.74	252	722609	19.00	ng	97
88) Benzo(k)fluoranthene	22.74	252	722609	19.03	ng	98
89) Benzo(a)pyrene	23.31	252	381697	10.78	ng	98
91) Benzo(g,h,i)perylene	26.34	276	247180	6.98	ng	97

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

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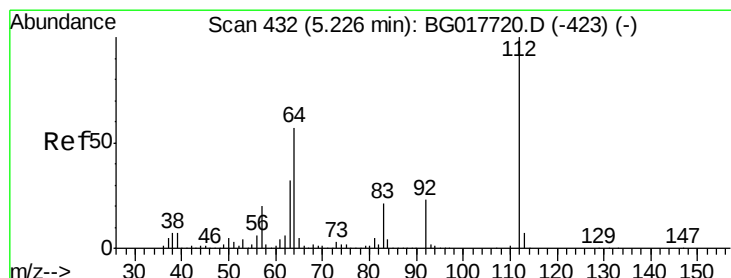
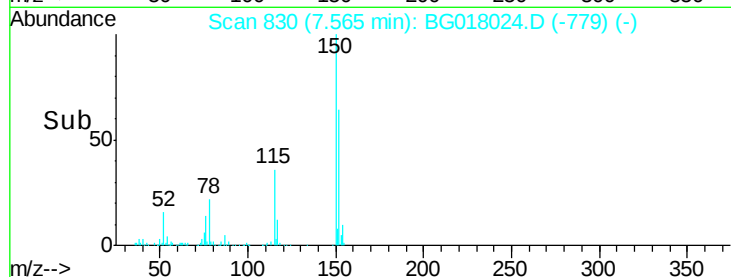
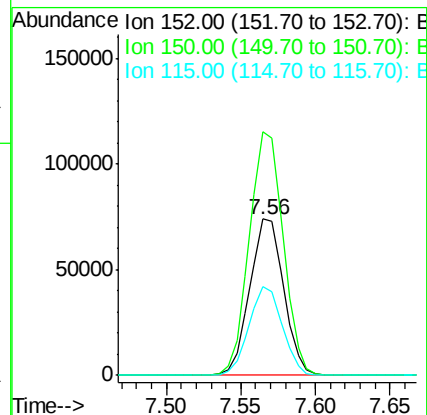
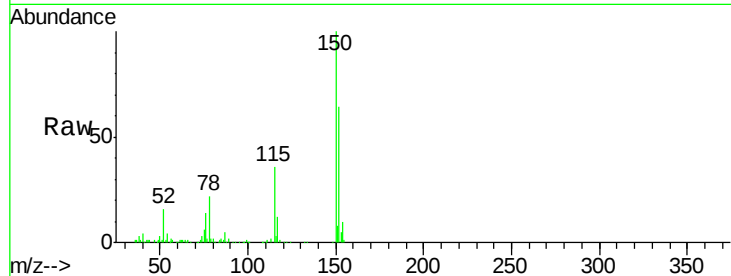


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Instrument :
BNA_G
ClientSampleId :
SP-1RE

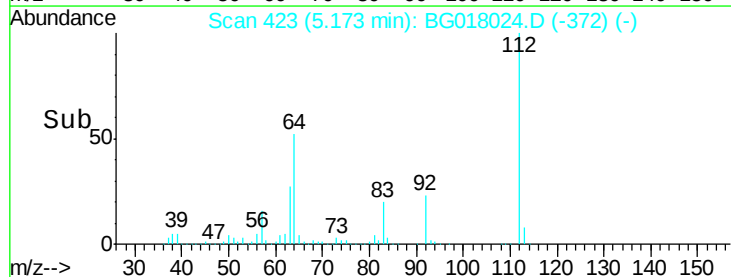
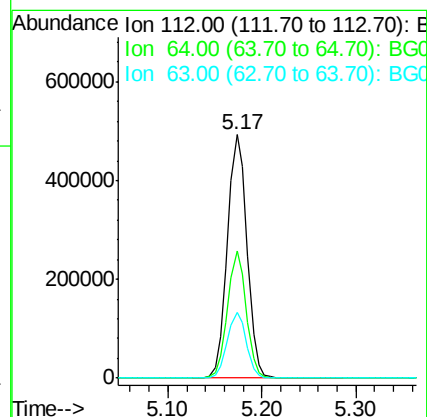
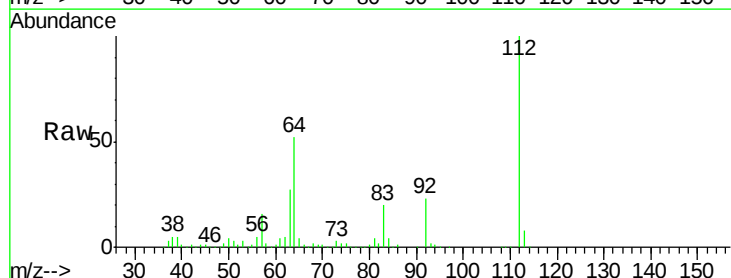
Tgt Ion:152 Resp: 115844
Ion Ratio Lower Upper
152 100
150 156.0 119.1 178.7
115 56.6 47.0 70.4



#5

2-Fluorophenol
Concen: 107.93 ng
RT: 5.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Tgt Ion:112 Resp: 716745
Ion Ratio Lower Upper
112 100
64 52.1 45.4 68.0
63 27.2 25.3 37.9





#7

Phenol-d6

Concen: 108.10 ng

RT: 6.76 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

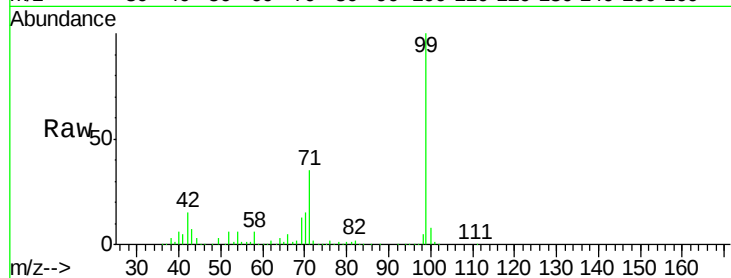
Tgt Ion: 99 Resp: 940427

Ion Ratio Lower Upper

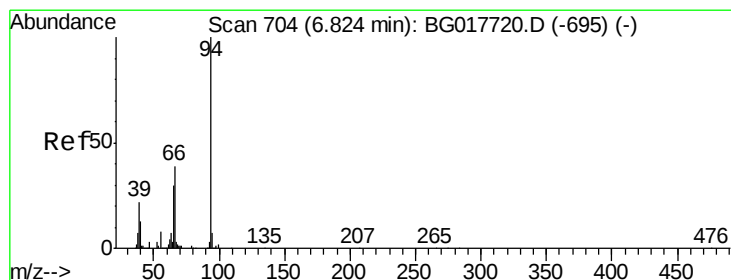
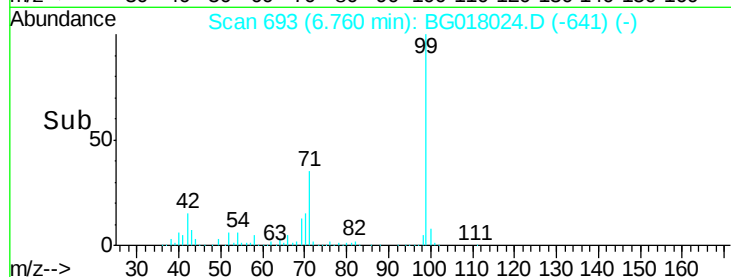
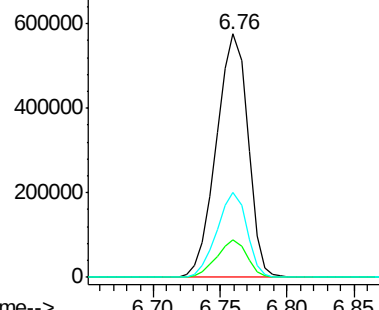
99 100

42 15.2 16.2 24.4#

71 34.7 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



#10

Phenol

Concen: 3.58 ng

RT: 6.78 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

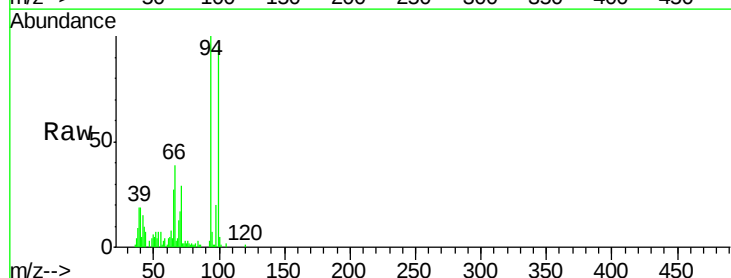
Tgt Ion: 94 Resp: 33265

Ion Ratio Lower Upper

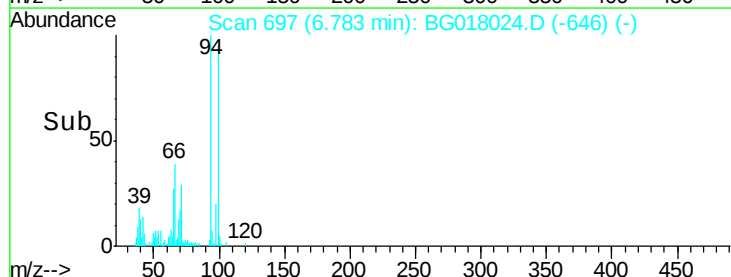
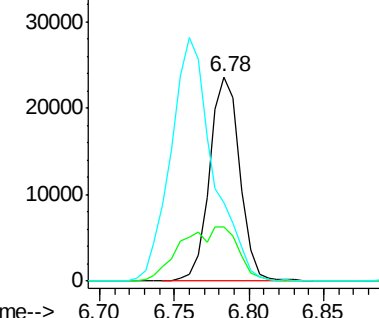
94 100

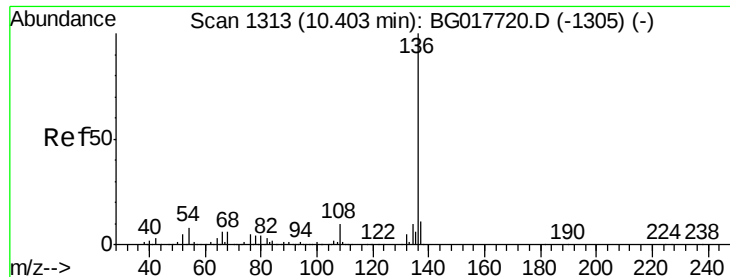
65 26.6 9.9 49.9

66 38.7 19.4 59.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

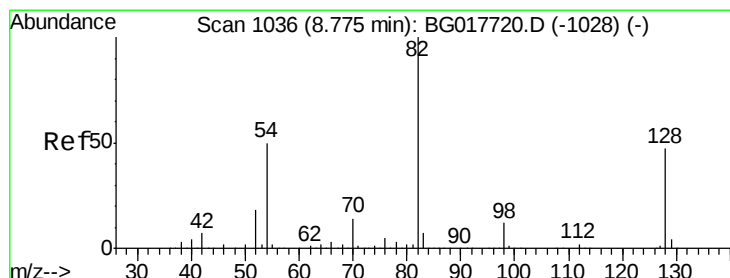
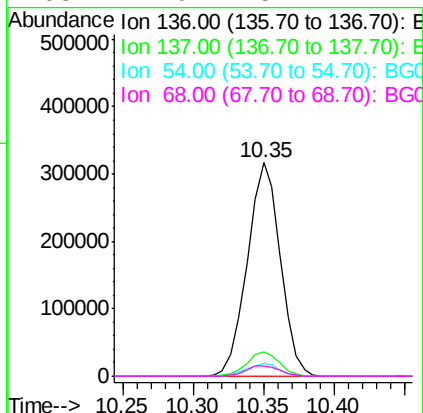
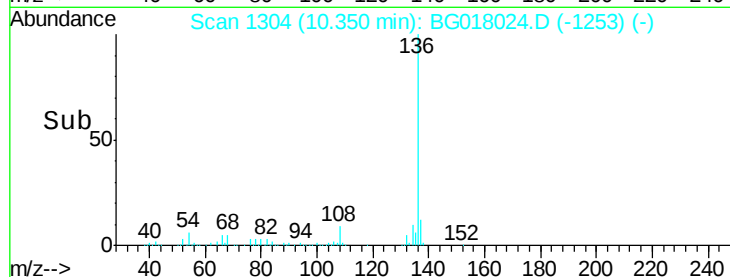
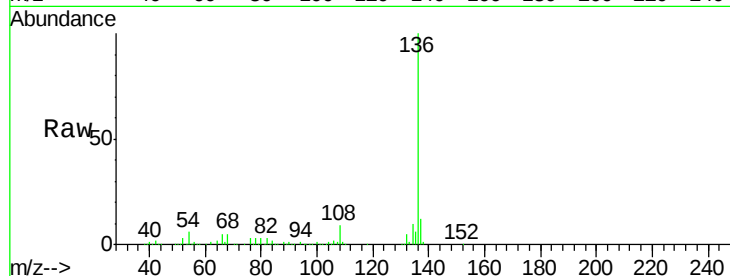




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.35 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

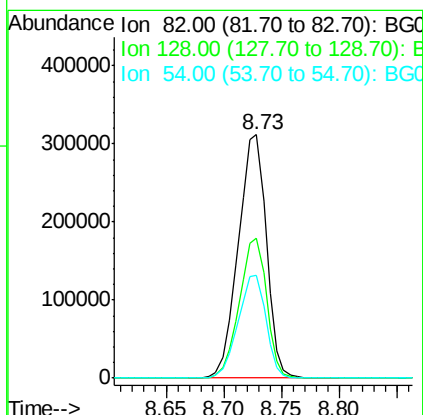
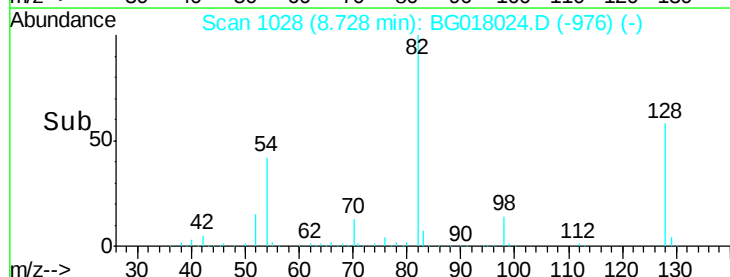
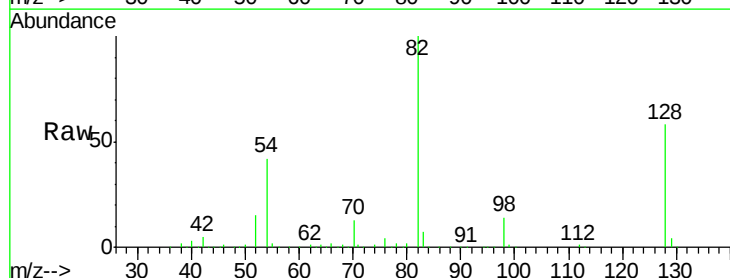
Instrument :
BNA_G
ClientSampleId :
SP-1RE

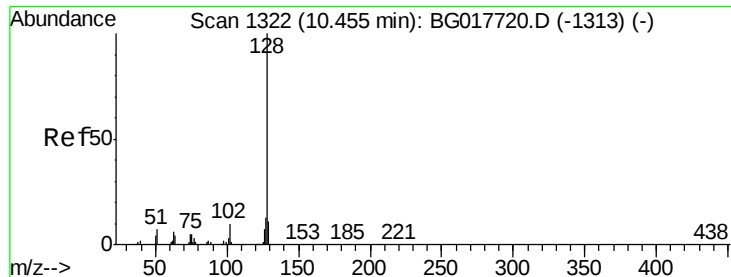
Tgt Ion:	136	Resp:	519710
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	6.0	6.6	9.8#
68	4.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 65.79 ng
RT: 8.73 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Tgt Ion:	82	Resp:	527883
Ion	Ratio	Lower	Upper
82	100		
128	57.6	37.8	56.6#
54	42.3	39.9	59.9

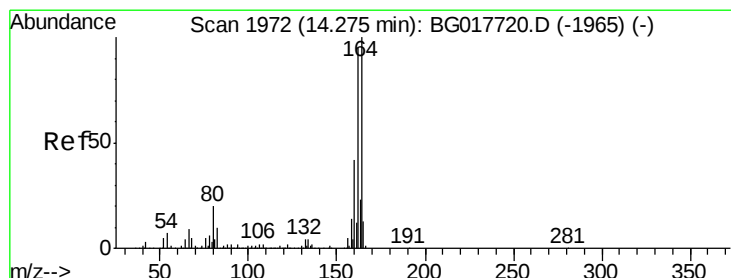
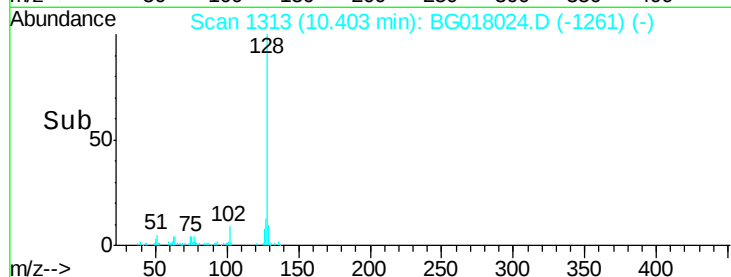
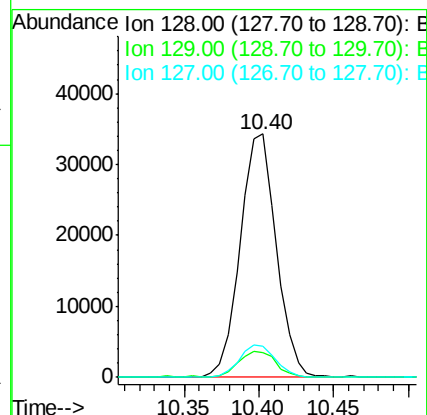
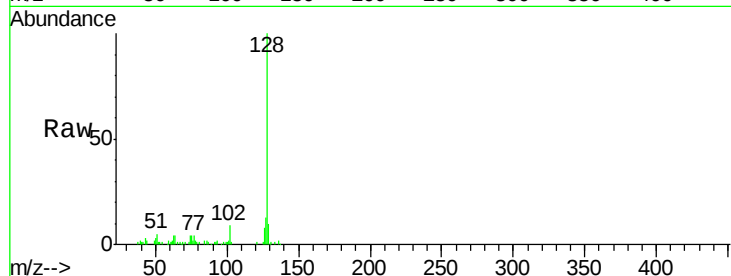




#31
Naphthalene
Concen: 2.26 ng
RT: 10.40 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

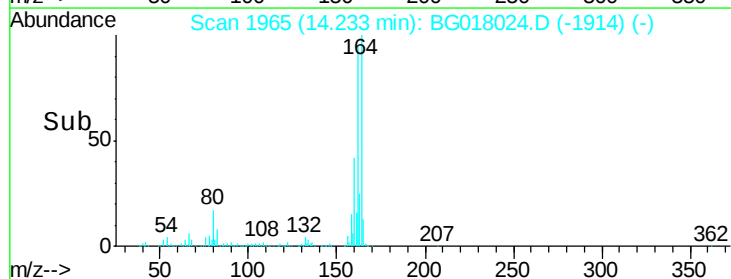
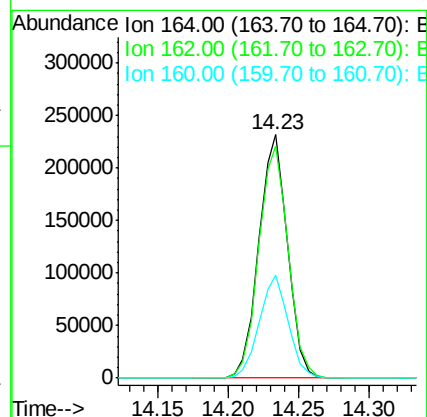
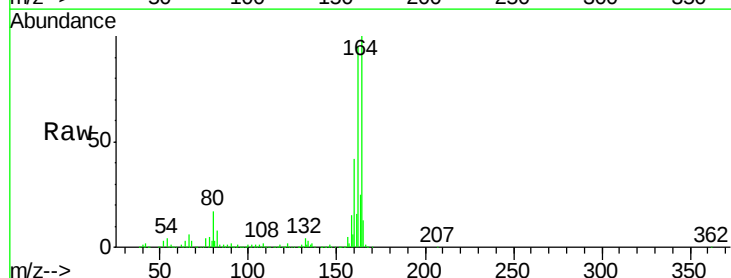
Instrument :
BNA_G
ClientSampleId :
SP-1RE

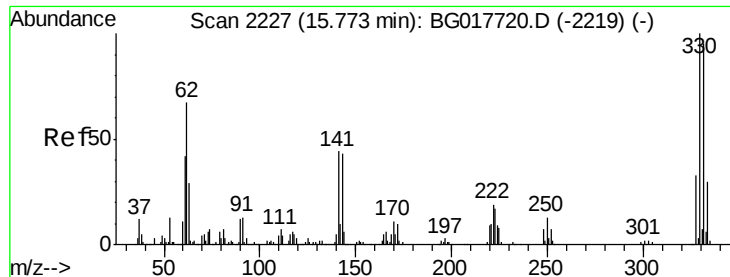
Tgt Ion:128 Resp: 57469
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 12.8 10.7 16.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.23 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Tgt Ion:164 Resp: 330034
Ion Ratio Lower Upper
164 100
162 95.3 76.3 114.5
160 42.1 33.7 50.5

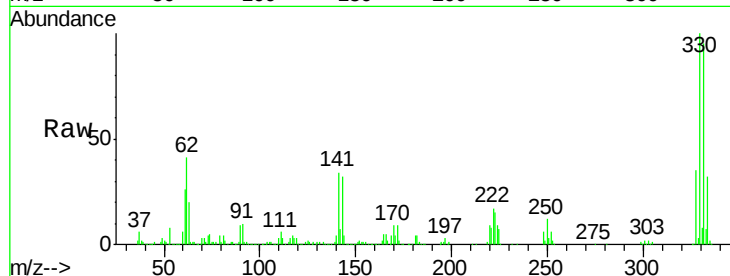




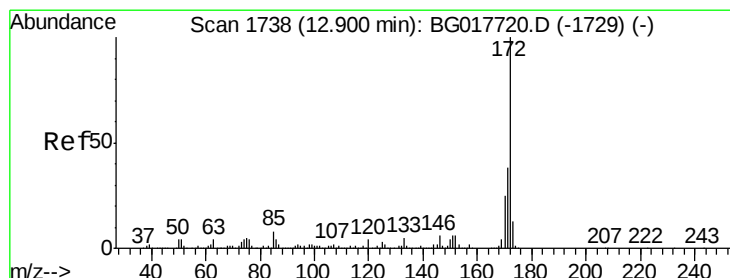
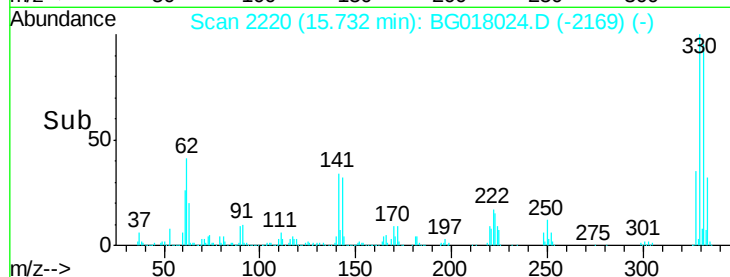
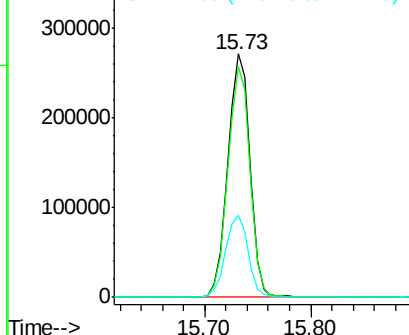
#41
 2,4,6-Tribromophenol
 Concen: 116.80 ng
 RT: 15.73 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG018024.D
 Acq: 21 Jul 2015 15:57

Instrument :
 BNA_G
 ClientSampleId :
 SP-1RE

Tgt Ion:330 Resp: 390549
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.8 115.2
 141 34.3 38.0 57.0#

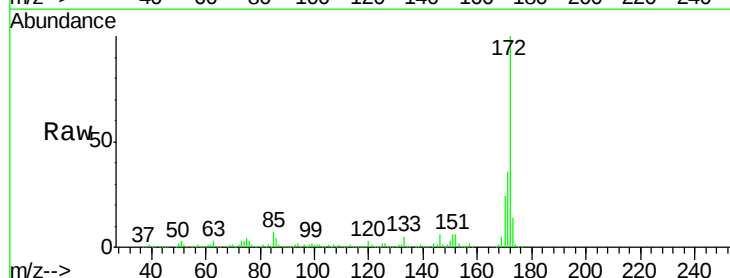


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

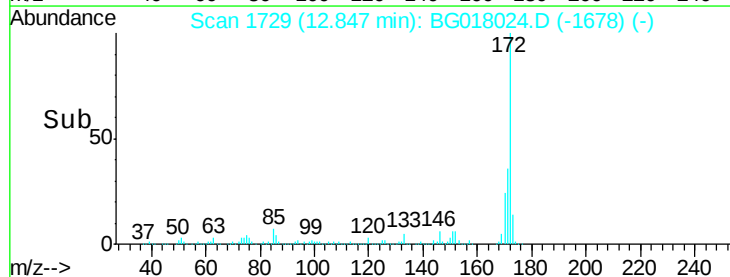
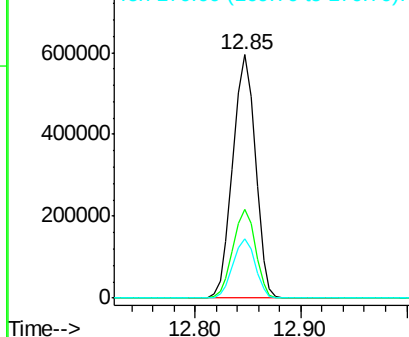


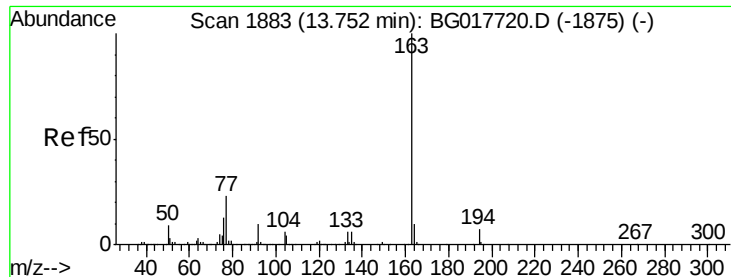
#44
 2-Fluorobiphenyl
 Concen: 46.08 ng
 RT: 12.85 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG018024.D
 Acq: 21 Jul 2015 15:57

Tgt Ion:172 Resp: 877497
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.7 46.1
 170 24.1 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: 12.33 ng

RT: 13.69 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

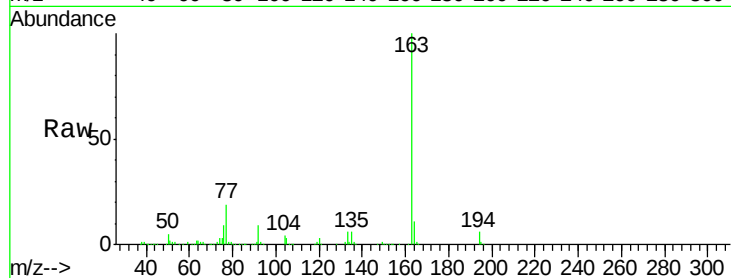
Tgt Ion:163 Resp: 282563

Ion Ratio Lower Upper

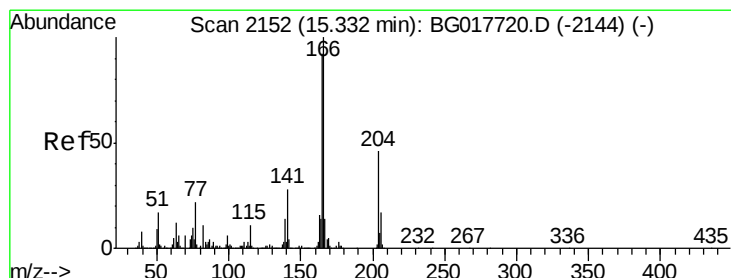
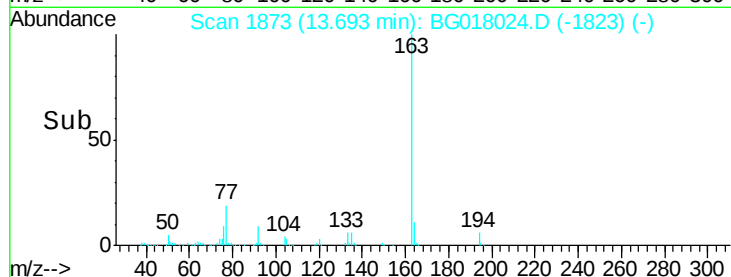
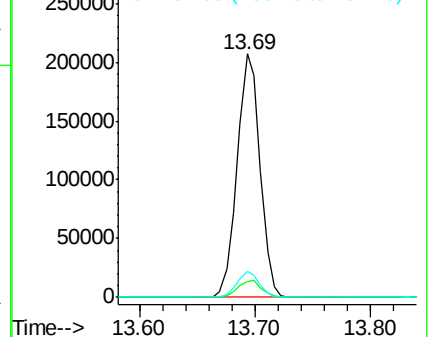
163 100

194 6.3 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



#57

Fluorene

Concen: 2.57 ng

RT: 15.29 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

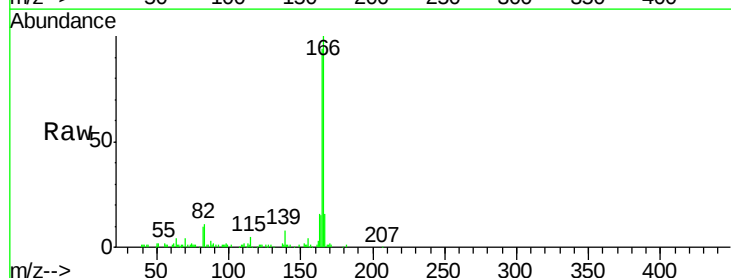
Tgt Ion:166 Resp: 60304

Ion Ratio Lower Upper

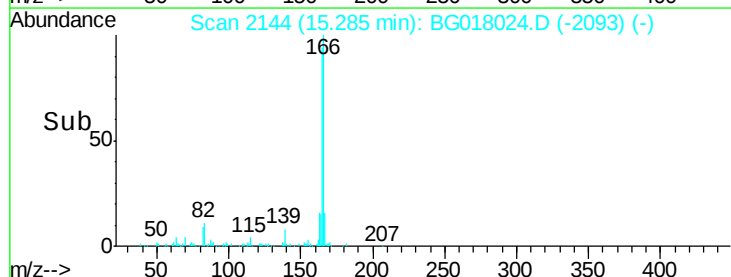
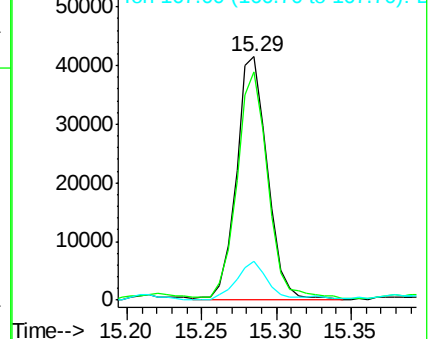
166 100

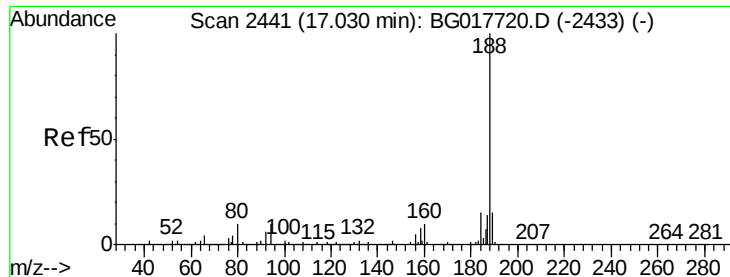
165 93.6 73.4 110.0

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: 16.98 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

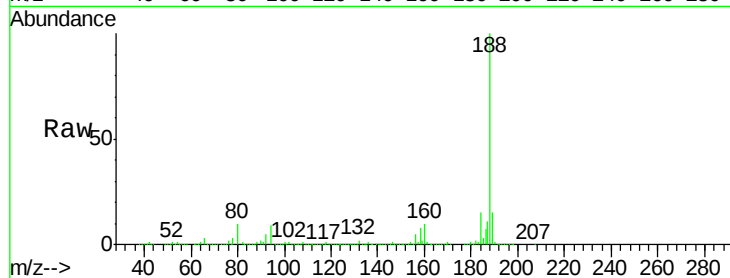
Tgt Ion:188 Resp: 643232

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

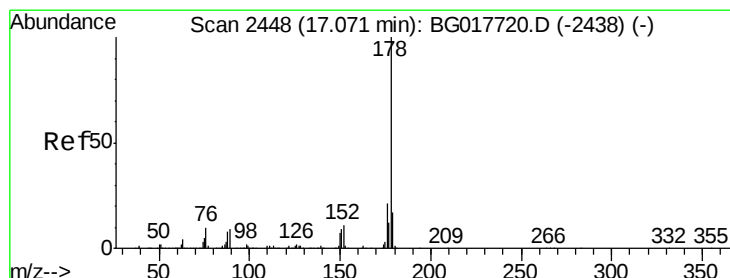
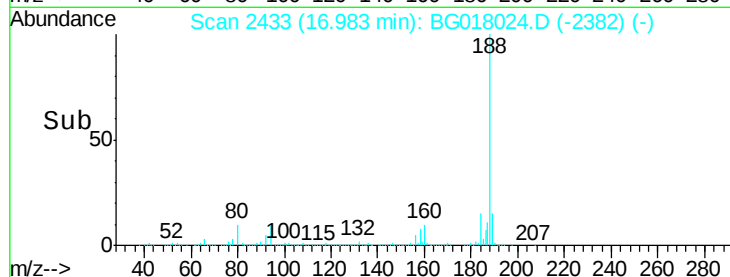
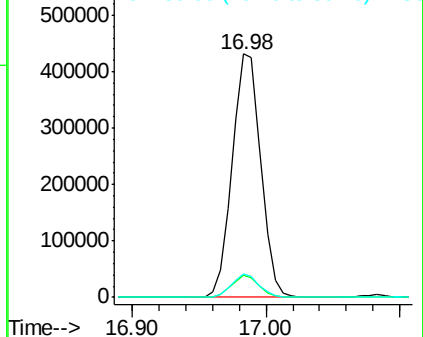
80 9.8 8.2 12.4



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: 14.77 ng

RT: 17.03 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

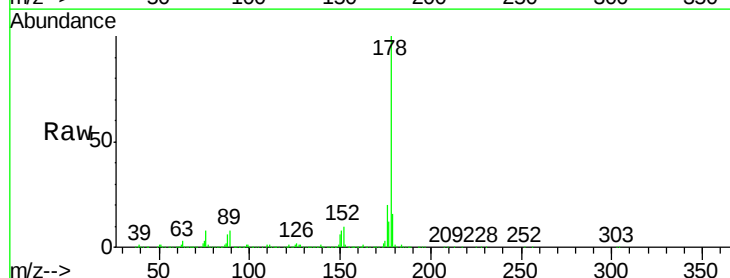
Tgt Ion:178 Resp: 489945

Ion Ratio Lower Upper

178 100

176 20.1 16.5 24.7

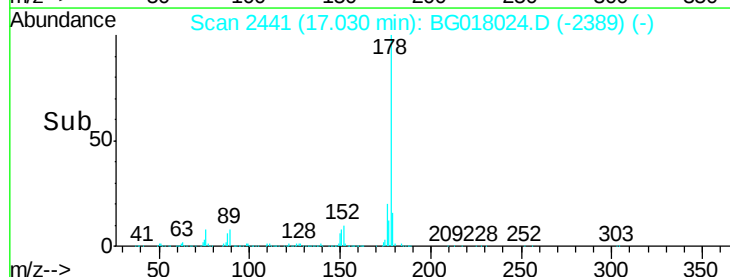
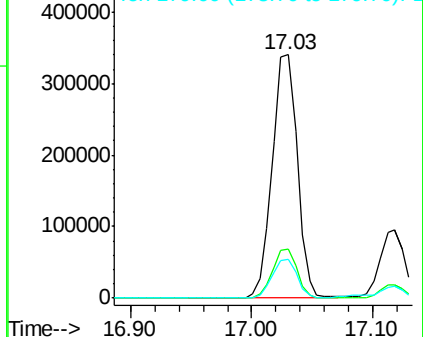
179 16.0 13.5 20.3

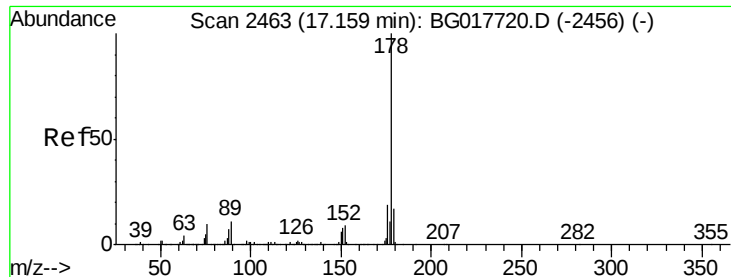


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

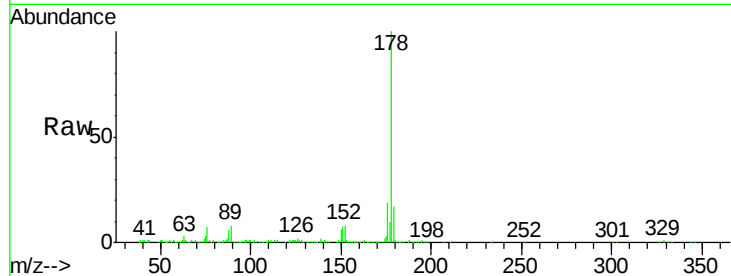




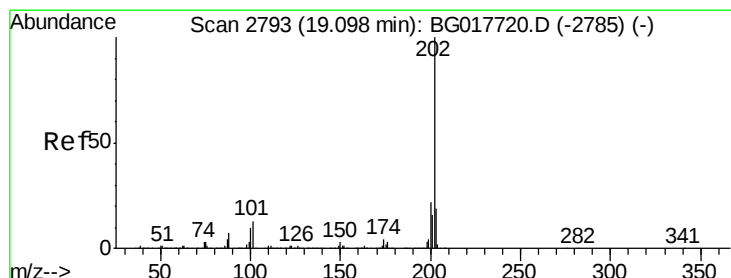
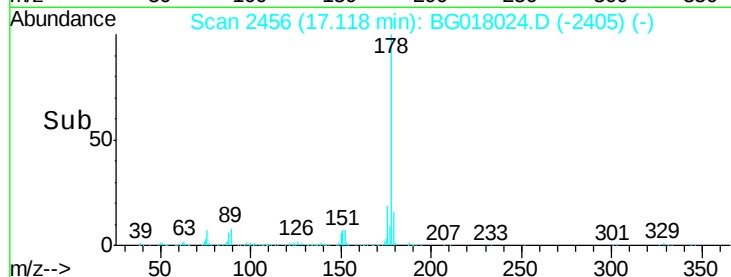
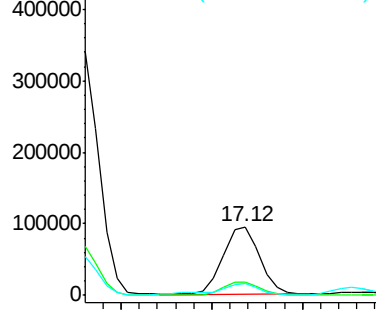
#71
 Anthracene
 Concen: 4.14 ng
 RT: 17.12 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: BG018024.D
 Acq: 21 Jul 2015 15:57

Instrument :
 BNA_G
 ClientSampleId :
 SP-1RE

Tgt Ion:178 Resp: 133669
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.2 22.8
 179 16.7 13.6 20.4

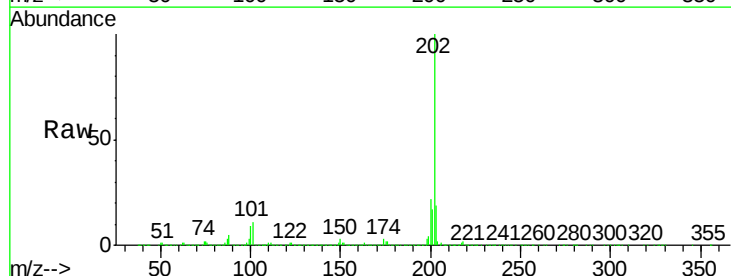


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

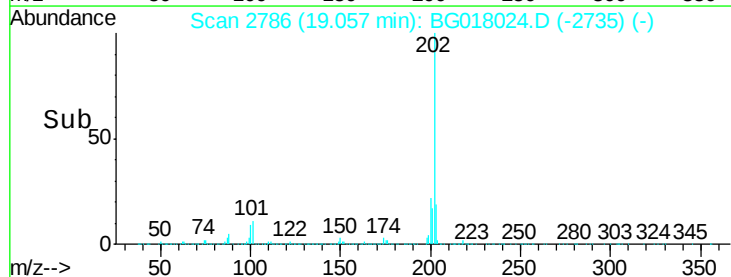
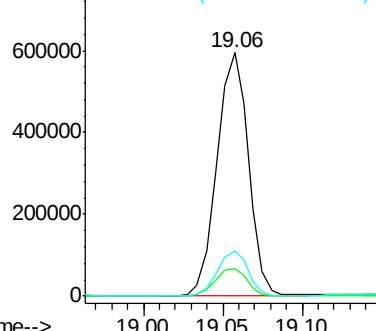


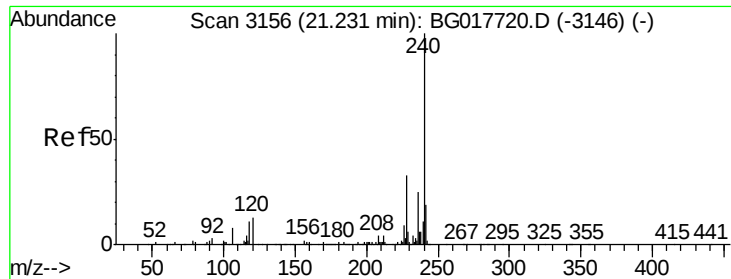
#74
 Fluoranthene
 Concen: 22.46 ng
 RT: 19.06 min Scan# 2786
 Delta R.T. -0.00 min
 Lab File: BG018024.D
 Acq: 21 Jul 2015 15:57

Tgt Ion:202 Resp: 815965
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.3
 203 18.7 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: 21.19 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

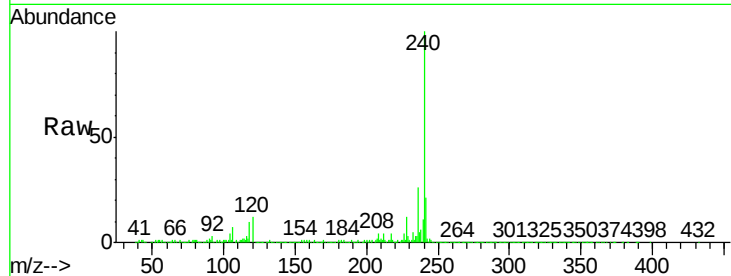
Tgt Ion:240 Resp: 665085

Ion Ratio Lower Upper

240 100

120 11.7 10.8 16.2

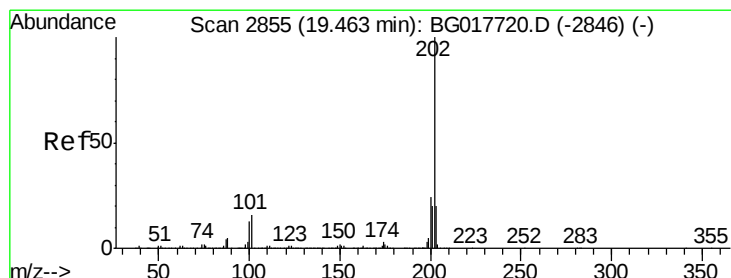
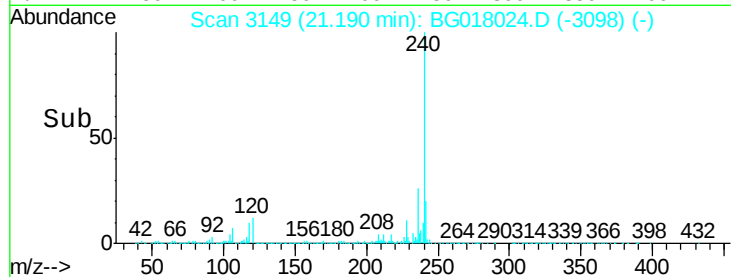
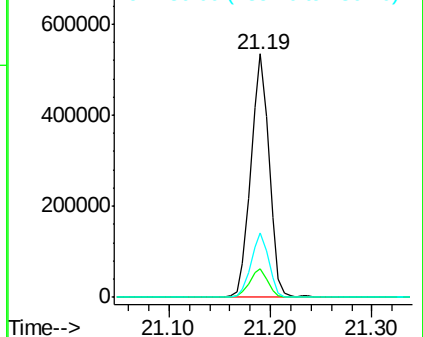
236 26.5 20.0 30.0



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: 19.03 ng

RT: 19.42 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

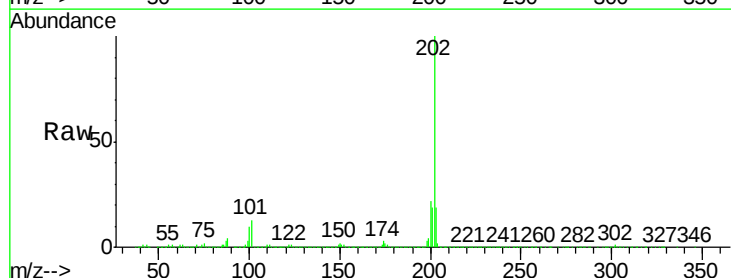
Tgt Ion:202 Resp: 705733

Ion Ratio Lower Upper

202 100

200 22.3 18.8 28.2

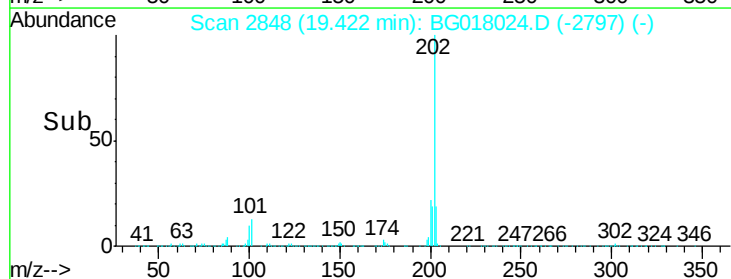
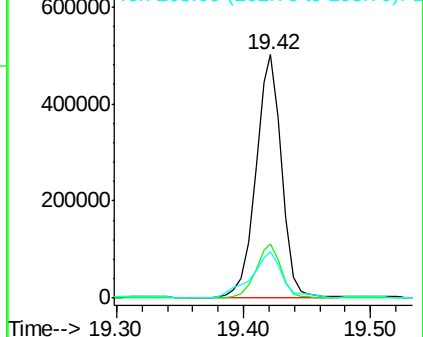
203 18.9 15.9 23.9

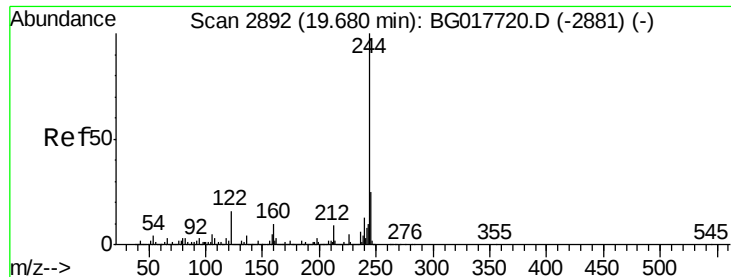


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.64 ng

RT: 19.63 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

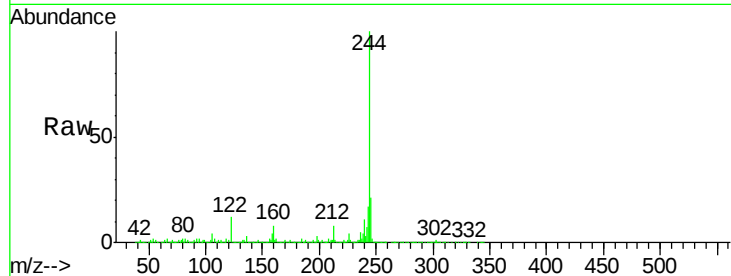
Tgt Ion:244 Resp: 1125932

Ion Ratio Lower Upper

244 100

212 7.6 7.2 10.8

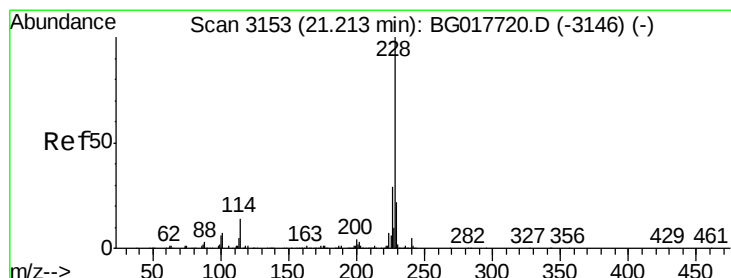
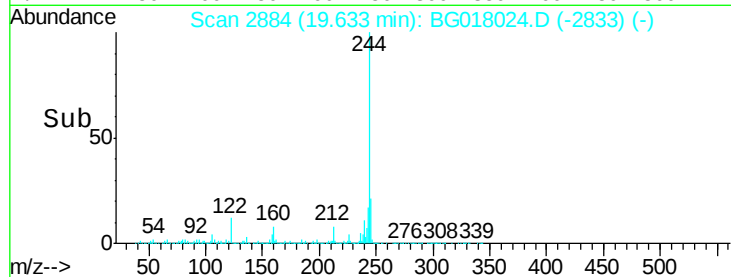
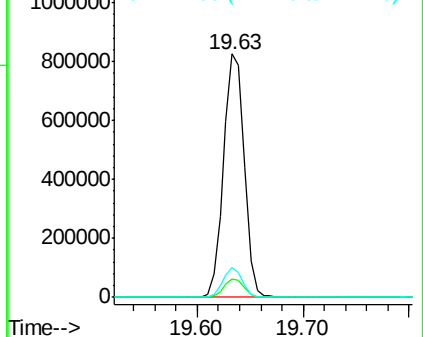
122 12.3 12.8 19.2#



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: 13.12 ng

RT: 21.17 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

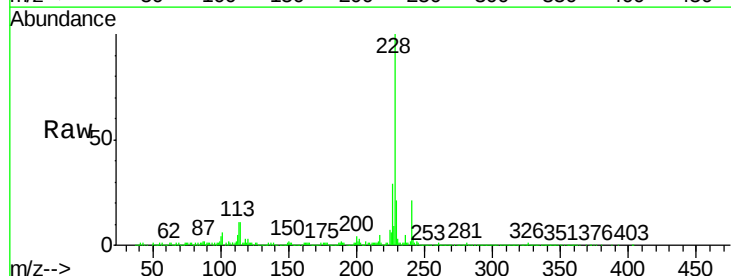
Tgt Ion:228 Resp: 460883

Ion Ratio Lower Upper

228 100

226 28.5 23.1 34.7

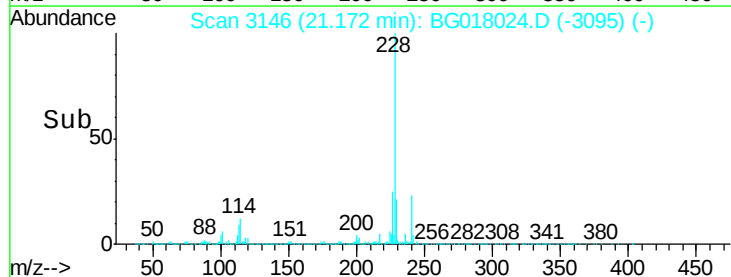
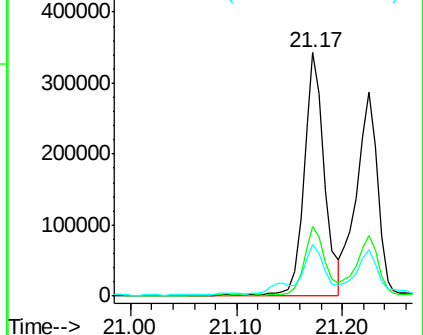
229 21.3 17.4 26.0

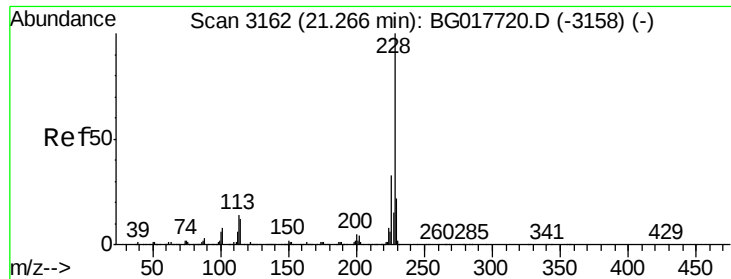


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.96 ng

RT: 21.23 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

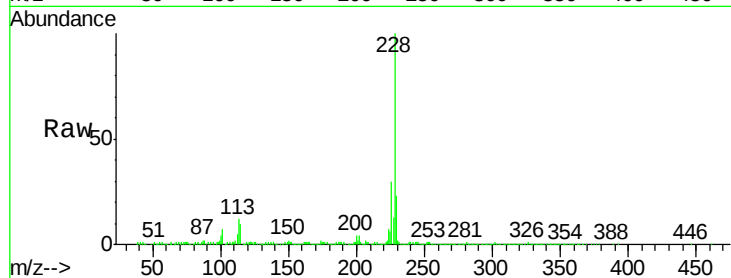
Tgt Ion:228 Resp: 400046

Ion Ratio Lower Upper

228 100

226 29.6 26.1 39.1

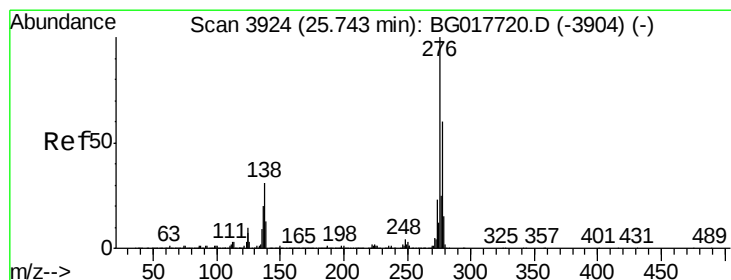
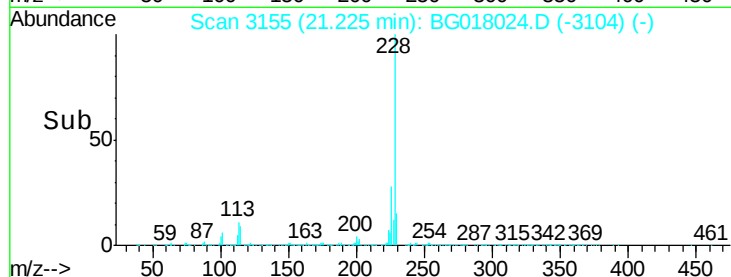
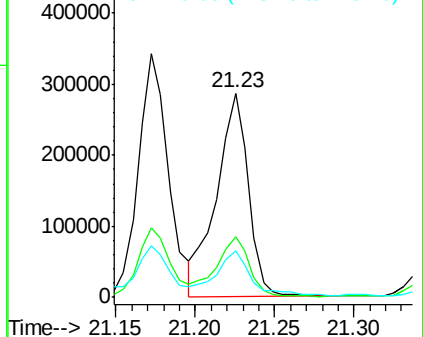
229 22.7 17.7 26.5



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: 6.32 ng

RT: 25.64 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

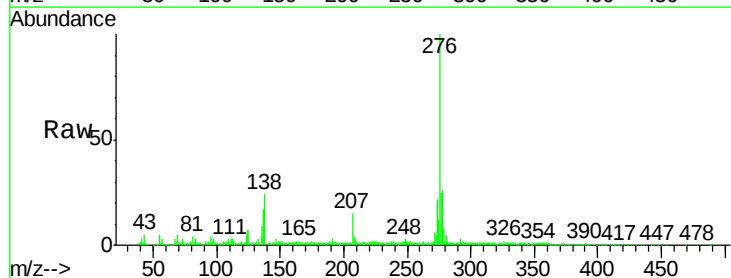
Tgt Ion:276 Resp: 255882

Ion Ratio Lower Upper

276 100

138 21.4 25.4 38.0#

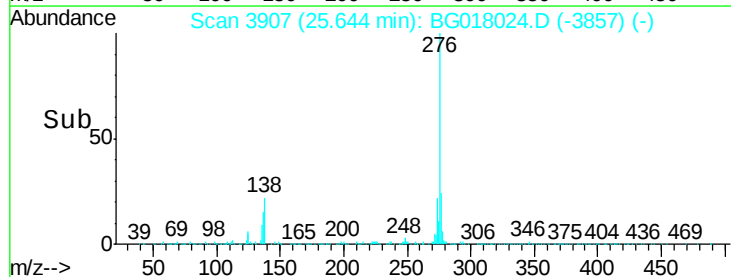
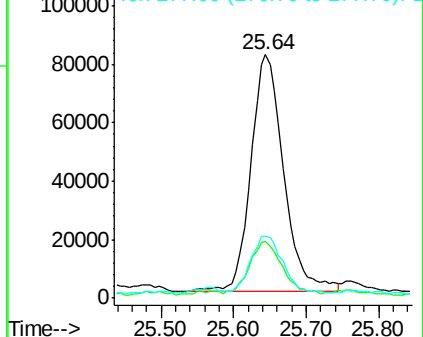
277 22.1 21.0 31.4

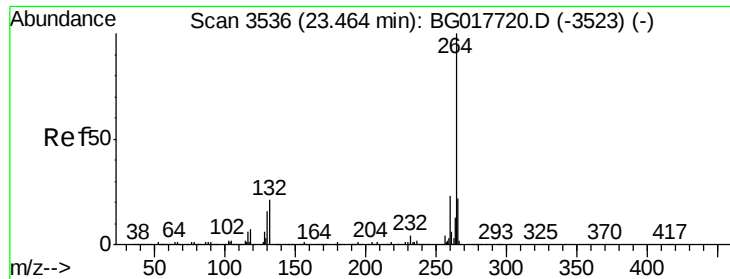


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



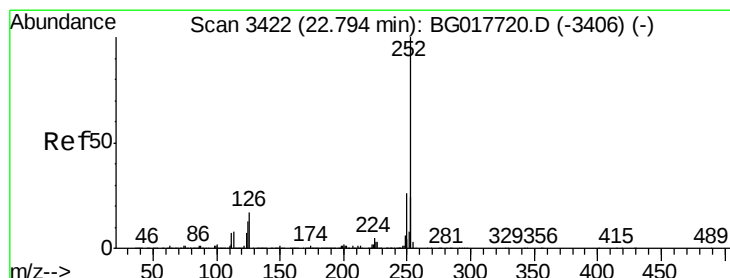
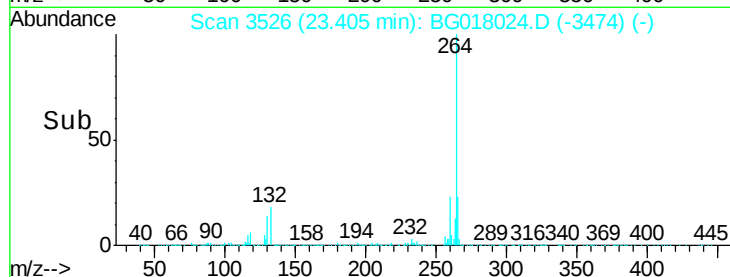
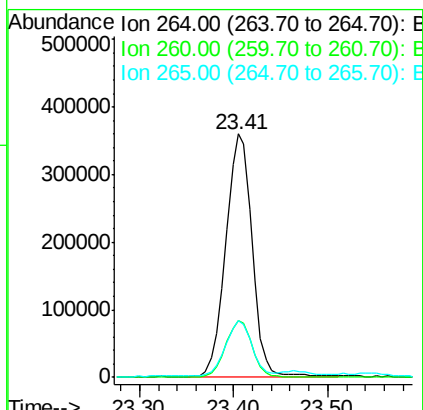
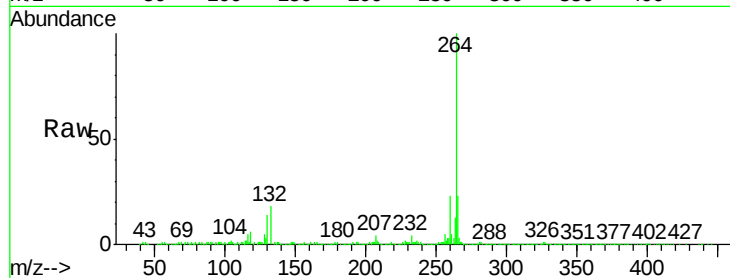


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.41 min Scan# 3526
Delta R.T. 0.01 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Instrument :
BNA_G
ClientSampleId :
SP-1RE

Tgt Ion: 264 Resp: 694922

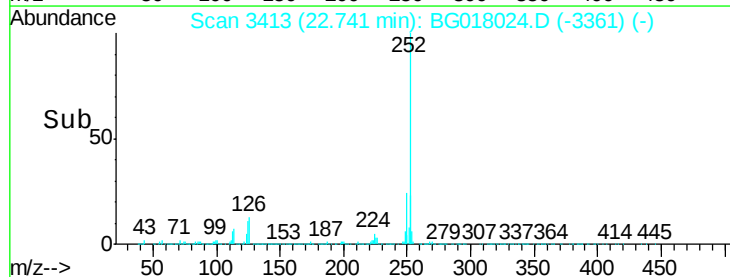
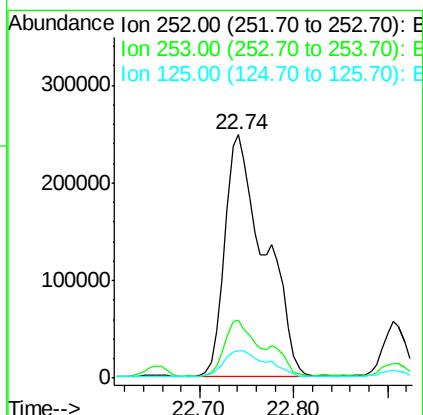
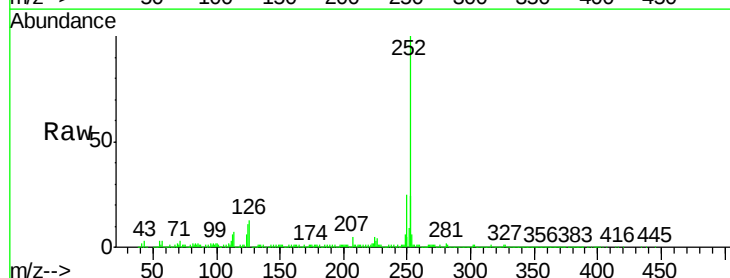
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	23.1	18.2	27.2

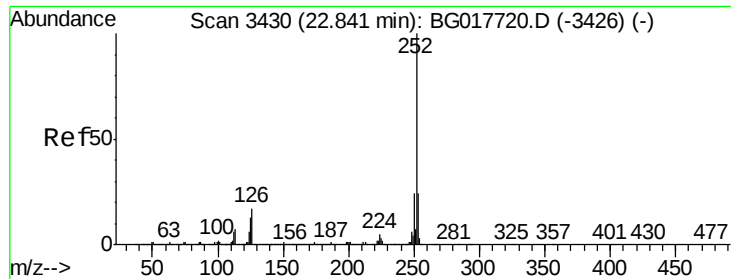


#87
Benzo(b)fluoranthene
Concen: 19.00 ng
RT: 22.74 min Scan# 3413
Delta R.T. 0.01 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Tgt Ion: 252 Resp: 722609

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.7	29.5
125	11.3	10.6	15.8

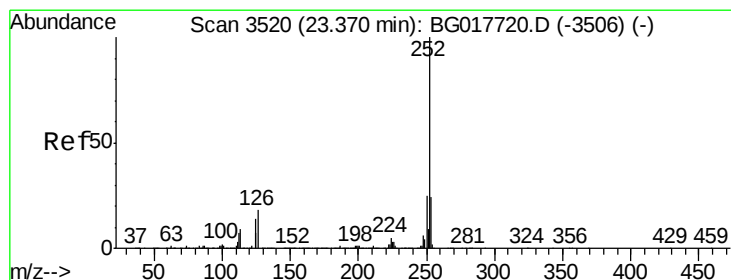
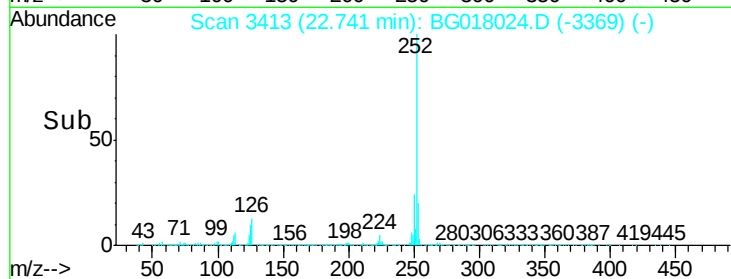
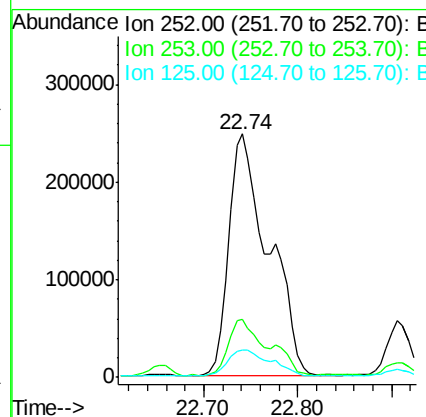
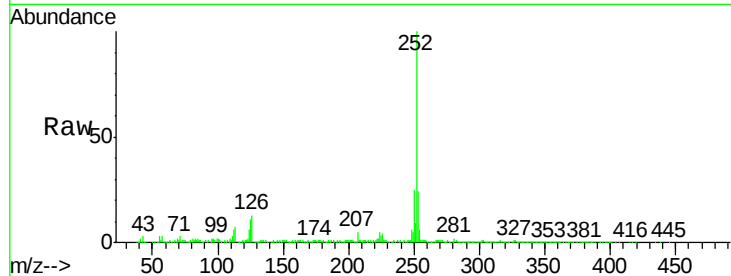




#88
Benzo(k)fluoranthene
Concen: 19.03 ng
RT: 22.74 min Scan# 3413
Delta R.T. -0.04 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

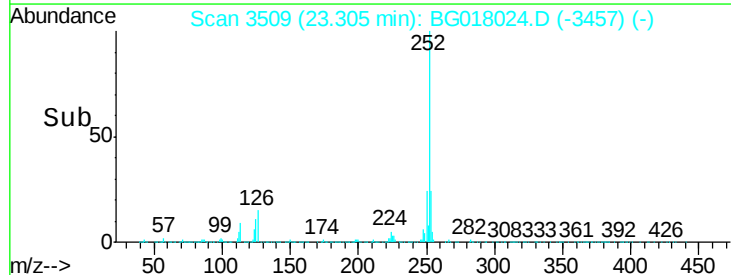
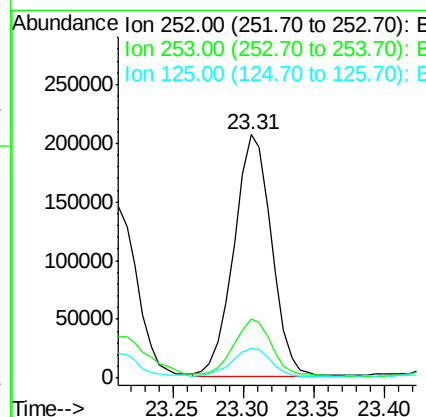
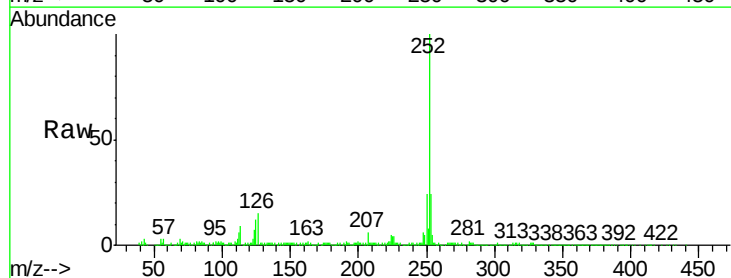
Instrument :
BNA_G
ClientSampleId :
SP-1RE

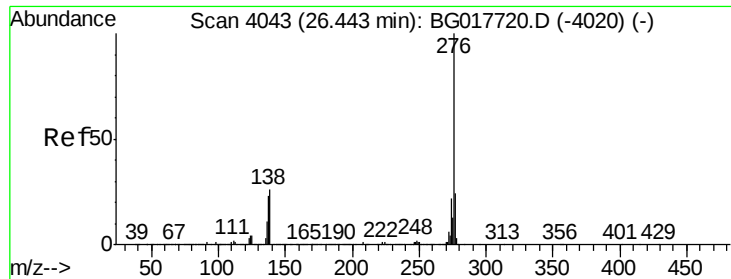
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	11.3	10.3	15.5



#89
Benzo(a)pyrene
Concen: 10.78 ng
RT: 23.31 min Scan# 3509
Delta R.T. 0.01 min
Lab File: BG018024.D
Acq: 21 Jul 2015 15:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.6
125	12.1	11.1	16.7





#91

Benzo(g,h,i)perylene

Concen: 6.98 ng

RT: 26.34 min Scan# 4026

Delta R.T. 0.01 min

Lab File: BG018024.D

Acq: 21 Jul 2015 15:57

Instrument :

BNA_G

ClientSampleId :

SP-1RE

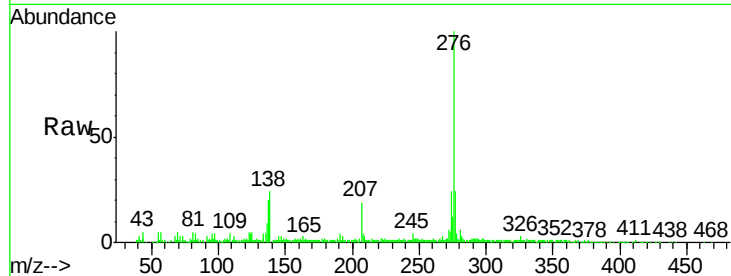
Tgt Ion: 276 Resp: 247180

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 23.6 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

