

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017594.D
 Acq On : 10 Jun 2015 5:00
 Operator : TP/IZ
 Sample : G2499-01RE 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-02-002-ARE

Quant Time: Jun 10 06:21:30 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 05:08:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	21106	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	87093	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	54495	20.00	ng	0.00
63) Phenanthrene-d10	16.99	188	114557	20.00	ng	-0.01
75) Chrysene-d12	21.20	240	137966	20.00	ng	0.00
86) Perylene-d12	23.42	264	146046	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	20011	16.70	ng	0.00
7) Phenol-d6	6.78	99	72996	44.73	ng	0.00
23) Nitrobenzene-d5	8.74	82	59924	34.35	ng	0.00
41) 2,4,6-Tribromophenol	15.76	330	1611	2.13	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	128104	35.46	ng	0.00
78) Terphenyl-d14	19.64	244	197141	29.53	ng	0.00

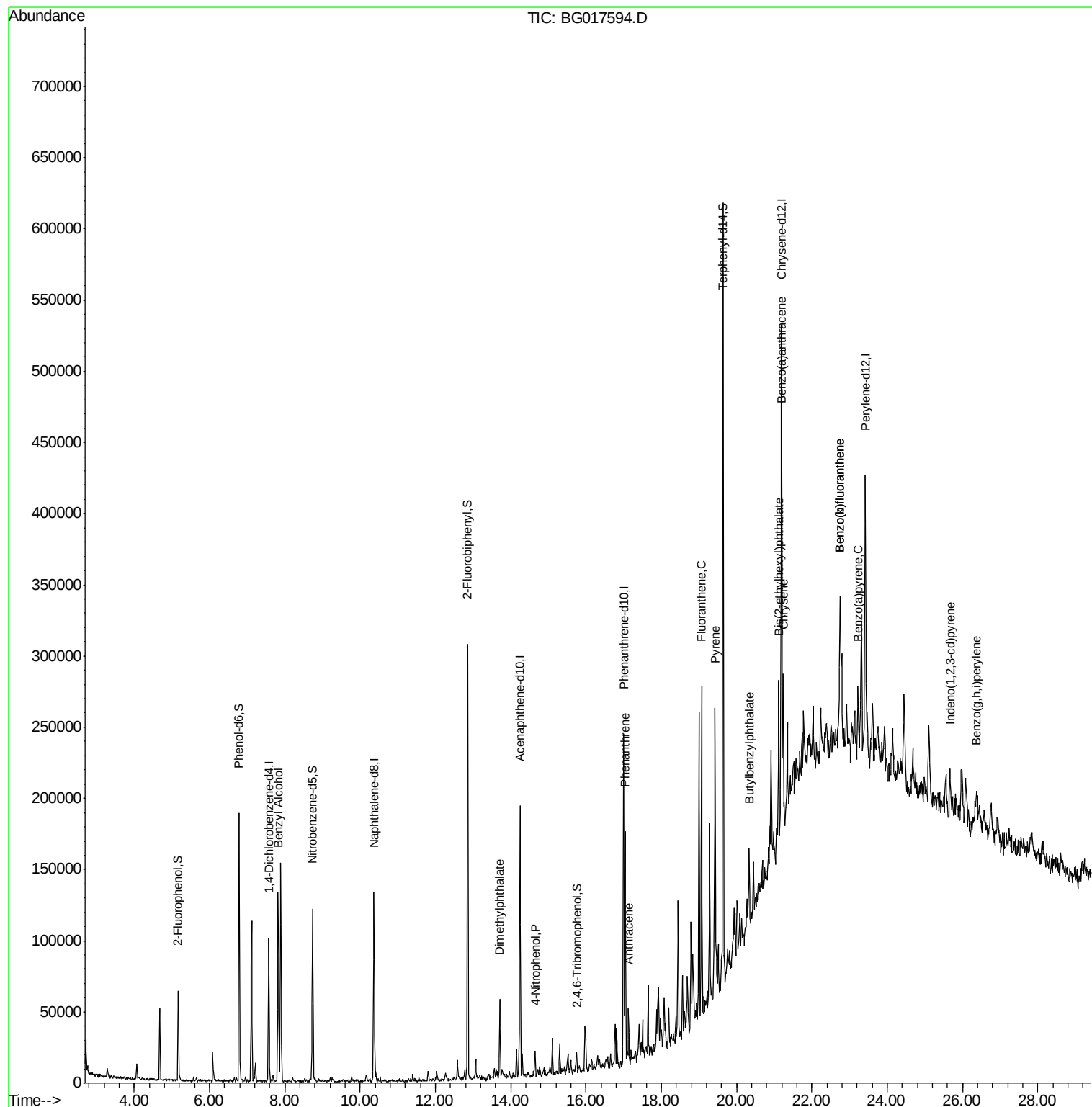
Target Compounds				Qvalue		
15) Benzyl Alcohol	7.82	79	42865	28.21	ng	91
49) Dimethylphthalate	13.71	163	26341	5.55	ng	98
55) 4-Nitrophenol	14.65	139	2884	3.90	ng	# 1
70) Phenanthrene	17.04	178	82998	12.99	ng	98
71) Anthracene	17.13	178	19536	3.06	ng	96
74) Fluoranthene	19.07	202	118736	14.22	ng	97
77) Pyrene	19.43	202	104619	12.31	ng	99
79) Butylbenzylphthalate	20.34	149	12558	3.41	ng	# 86
80) Benzo(a)anthracene	21.18	228	56868	6.70	ng	92
82) Chrysene	21.24	228	54130	7.04	ng	# 94
83) Bis(2-ethylhexyl)phthalate	21.12	149	31158	5.87	ng	95
85) Indeno(1,2,3-cd)pyrene	25.67	276	25832	2.68	ng	97
87) Benzo(b)fluoranthene	22.75	252	70605	7.63	ng	# 93
88) Benzo(k)fluoranthene	22.75	252	70605	7.97	ng	95
89) Benzo(a)pyrene	23.22	252	33881	3.99	ng	95
91) Benzo(g,h,i)perylene	26.37	276	26662	3.18	ng	97

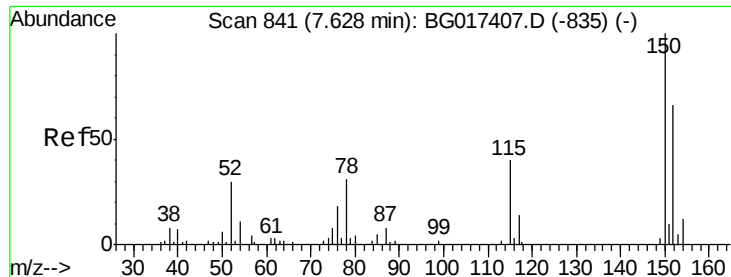
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 10 06:21:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 05:08:16 2015
Response via : Initial Calibration



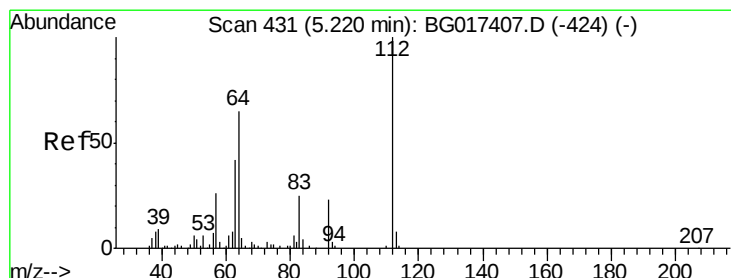
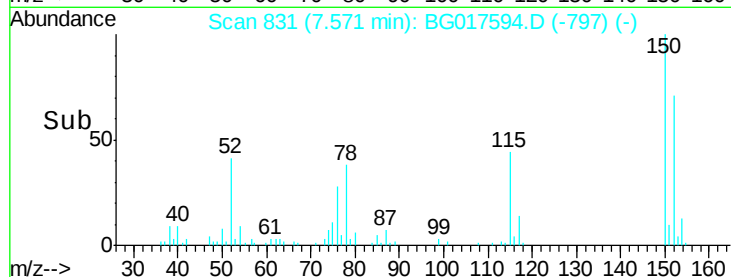
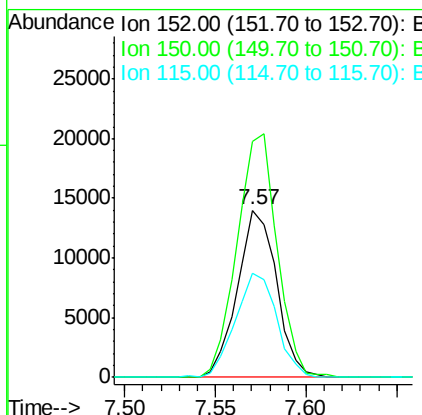
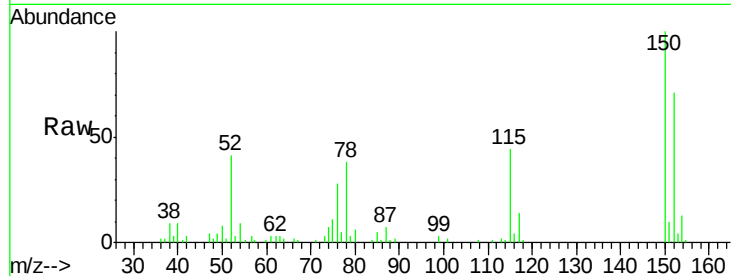


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Instrument :
BNA_G
ClientSampleId :
FK-SF-02-002-ARE

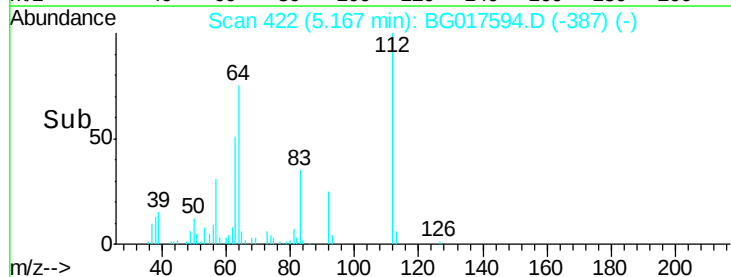
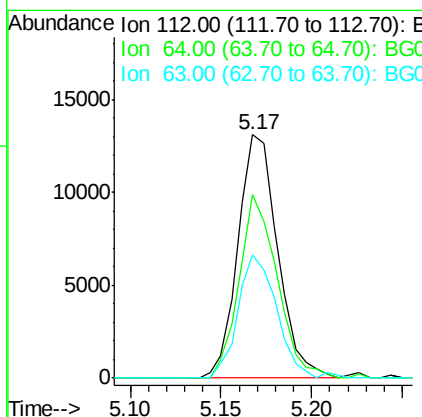
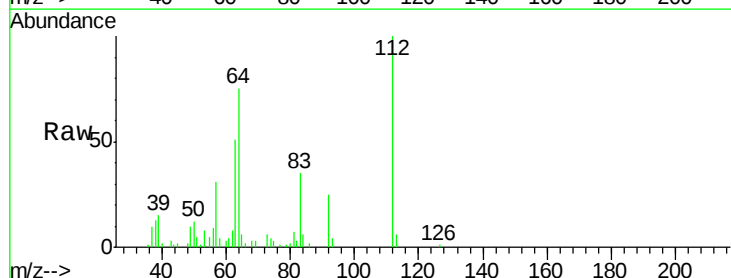
Tgt Ion:152 Resp: 21106
Ion Ratio Lower Upper
152 100
150 141.2 121.7 182.5
115 62.4 48.6 73.0



#5

2-Fluorophenol
Concen: 16.70 ng
RT: 5.17 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Tgt Ion:112 Resp: 20011
Ion Ratio Lower Upper
112 100
64 75.5 51.6 77.4
63 50.5 33.3 49.9#





#7

Phenol-d6

Concen: 44.73 ng

RT: 6.78 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

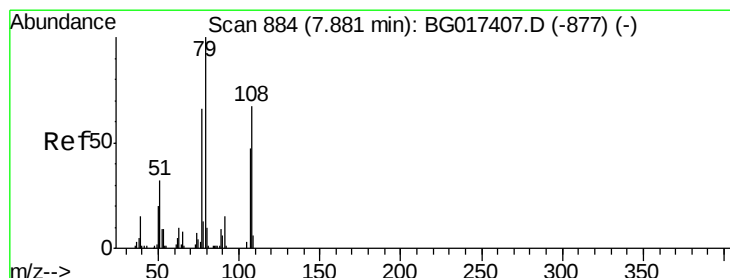
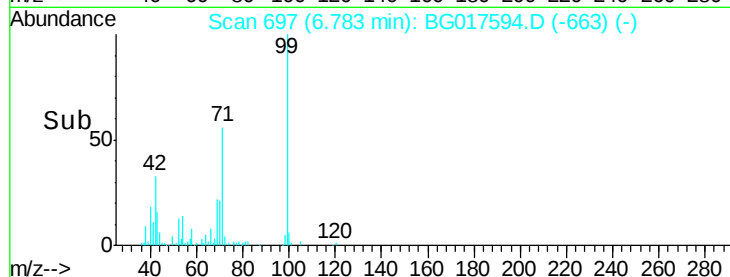
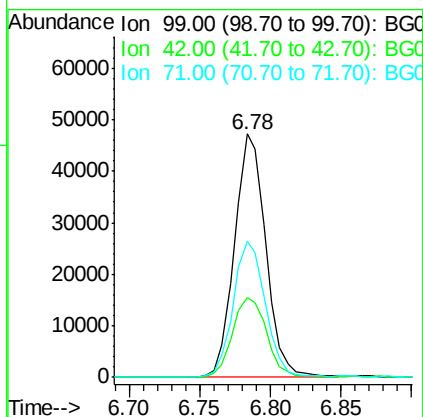
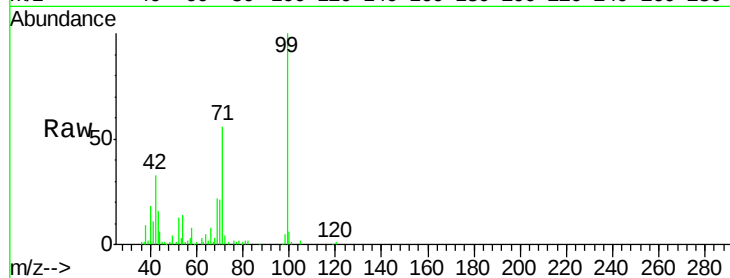
Tgt Ion: 99 Resp: 72996

Ion Ratio Lower Upper

99 100

42 32.8 21.0 31.6#

71 55.9 37.2 55.8#



#15

Benzyl Alcohol

Concen: 28.21 ng

RT: 7.82 min Scan# 874

Delta R.T. -0.00 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

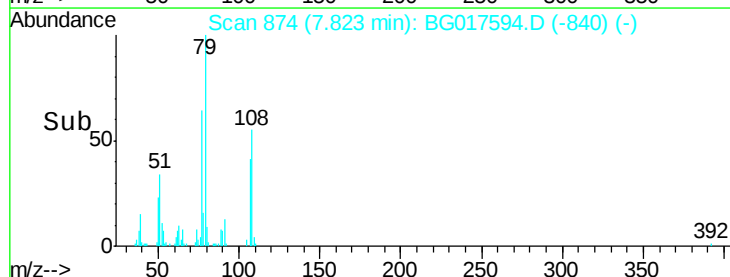
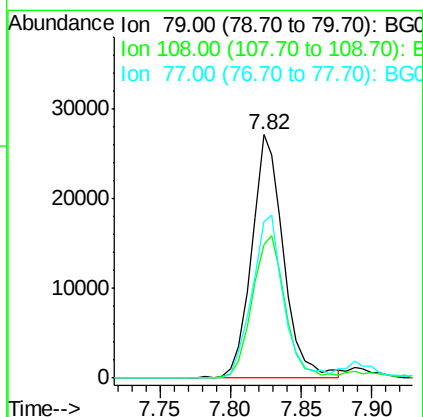
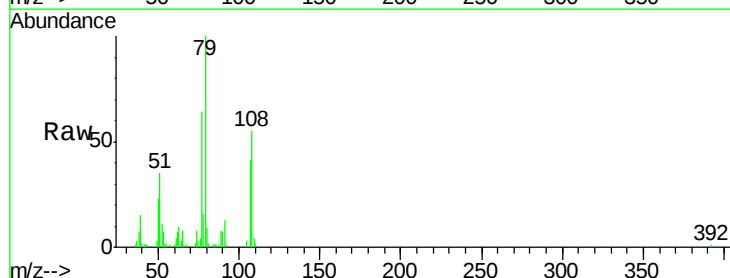
Tgt Ion: 79 Resp: 42865

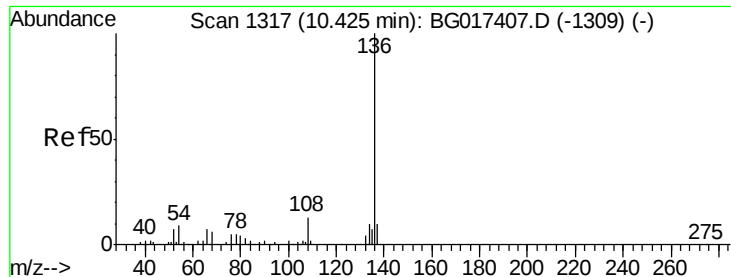
Ion Ratio Lower Upper

79 100

108 54.9 53.7 80.5

77 64.4 53.0 79.4

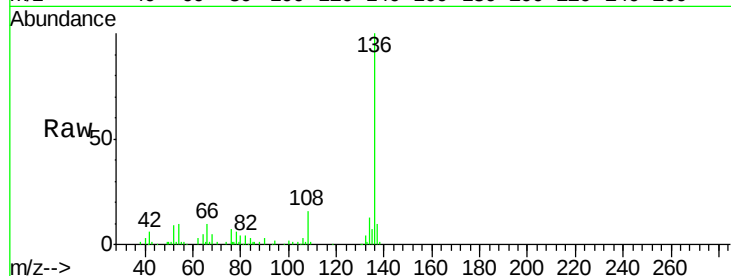




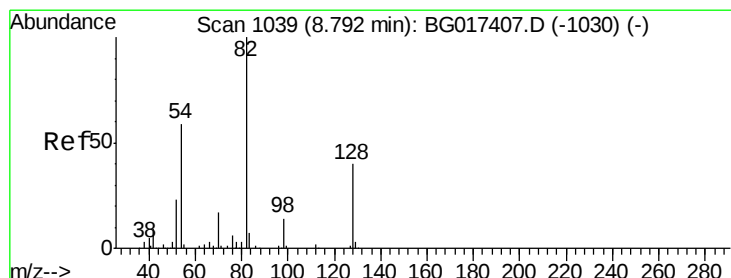
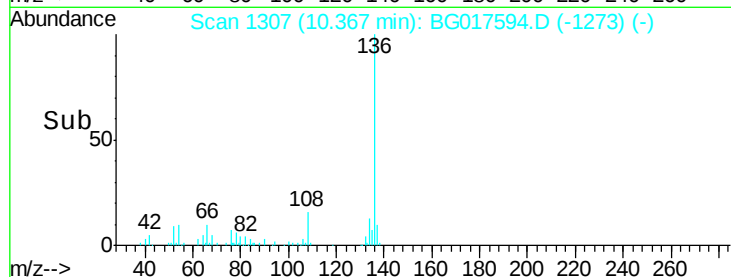
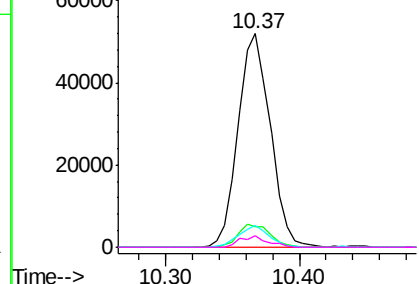
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.37 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Instrument :
BNA_G
ClientSampleId :
FK-SF-02-002-ARE

Tgt Ion:	136	Resp:	87093
Ion	Ratio	Lower	Upper
136	100		
137	9.7	7.9	11.9
54	10.5	7.2	10.8
68	5.5	4.5	6.7

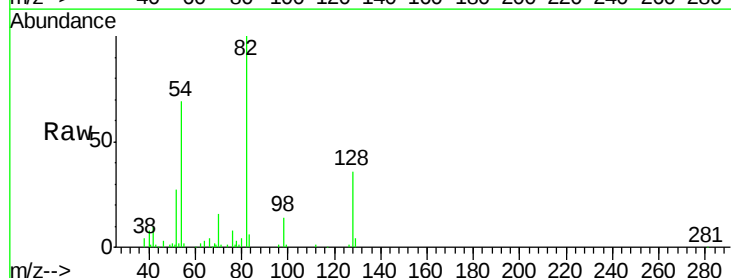


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

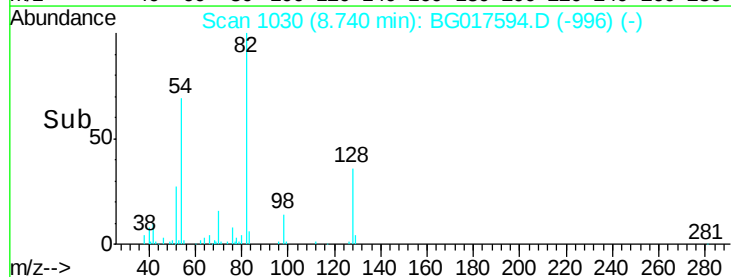
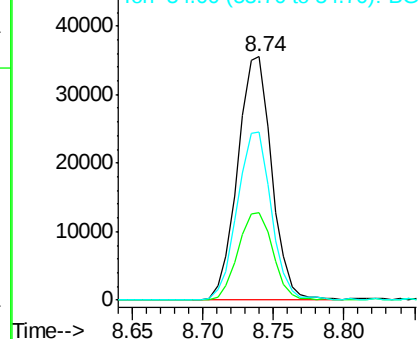


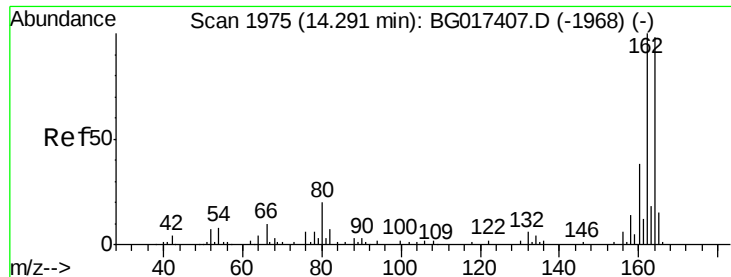
#23
Nitrobenzene-d5
Concen: 34.35 ng
RT: 8.74 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Tgt Ion:	82	Resp:	59924
Ion	Ratio	Lower	Upper
82	100		
128	35.8	32.2	48.4
54	68.8	47.4	71.2



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

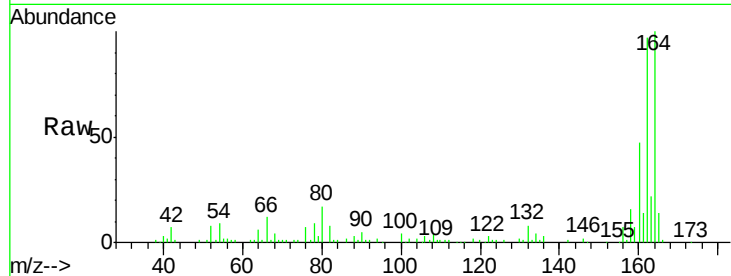




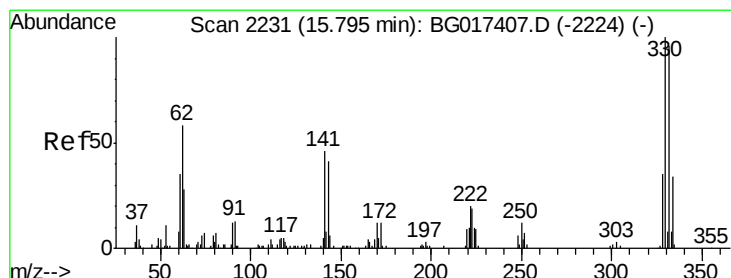
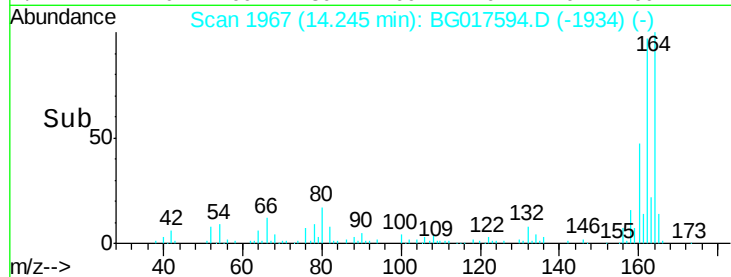
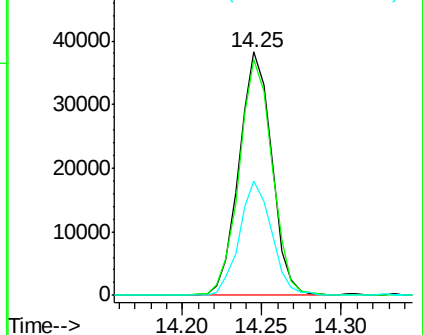
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.25 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Instrument :
BNA_G
ClientSampleId :
FK-SF-02-002-ARE

Tgt Ion:164 Resp: 54495
Ion Ratio Lower Upper
164 100
162 96.8 81.8 122.6
160 47.2 31.0 46.4#

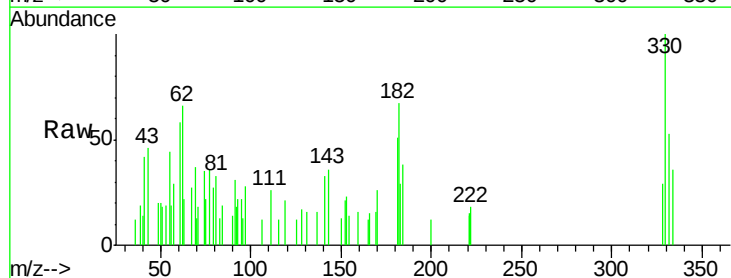


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

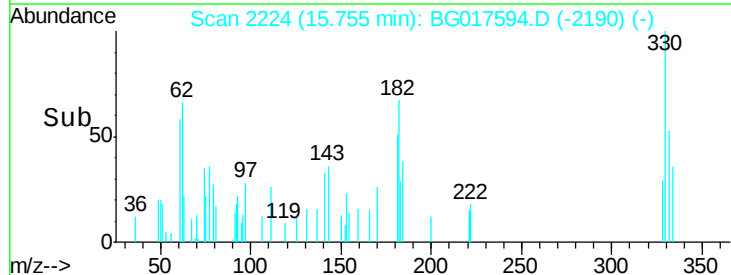
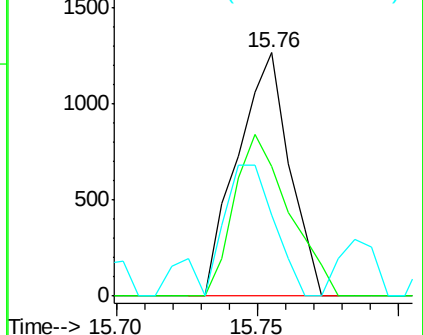


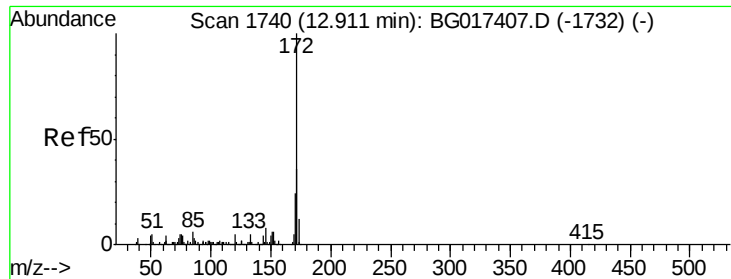
#41
2,4,6-Tribromophenol
Concen: 2.13 ng
RT: 15.76 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Tgt Ion:330 Resp: 1611
Ion Ratio Lower Upper
330 100
332 70.5 75.9 113.9#
141 58.8 40.2 60.4



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

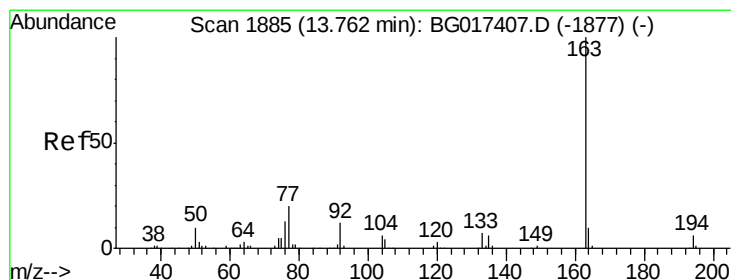
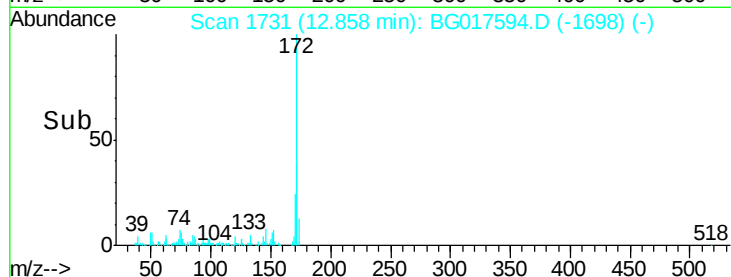
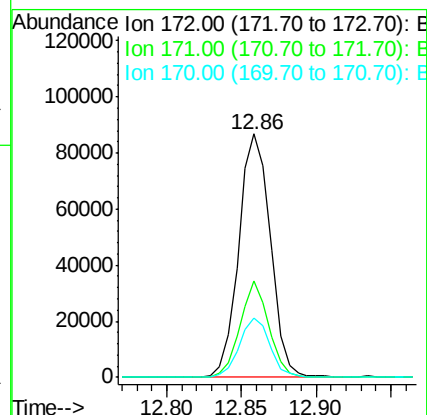
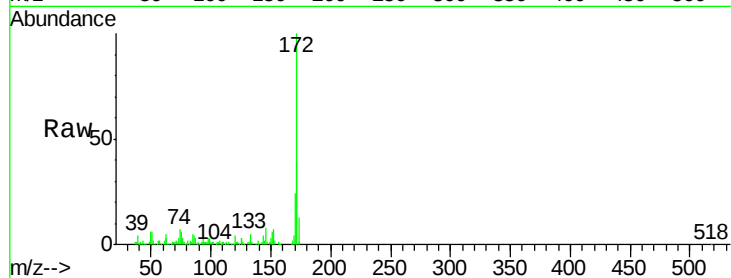




#44
2-Fluorobiphenyl
Concen: 35.46 ng
RT: 12.86 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

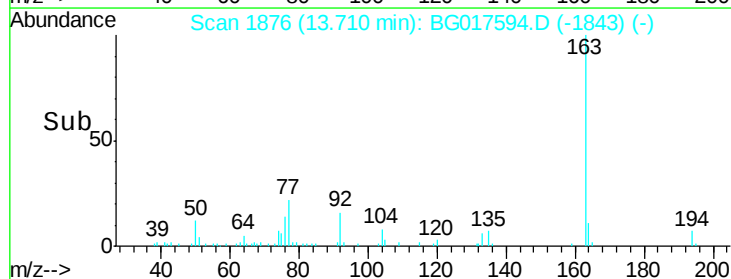
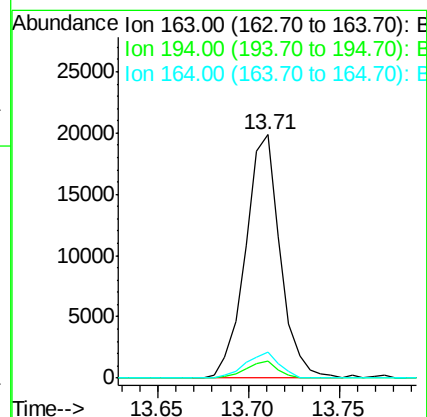
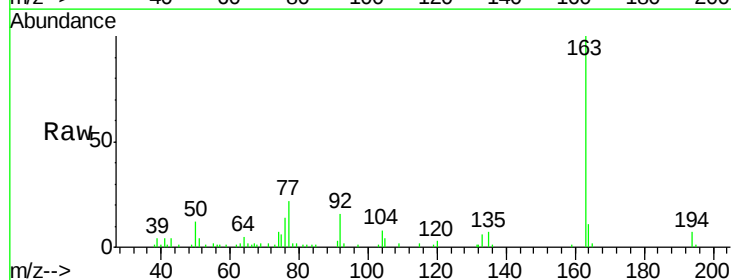
Instrument :
BNA_G
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FK-SF-02-002-ARE

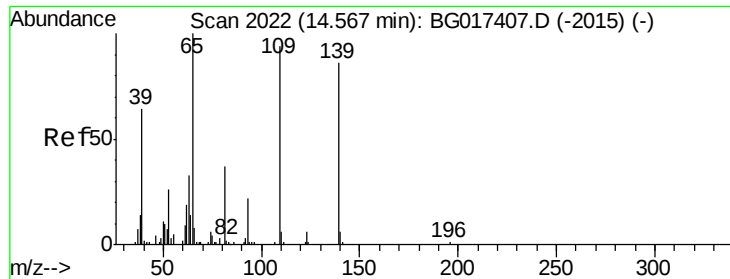
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.5	29.0	43.6
170	24.4	18.9	28.3



#49
Dimethylphthalate
Concen: 5.55 ng
RT: 13.71 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.1	4.9	7.3
164	10.5	8.2	12.2

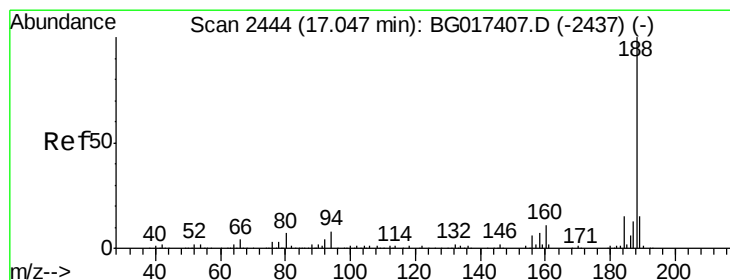
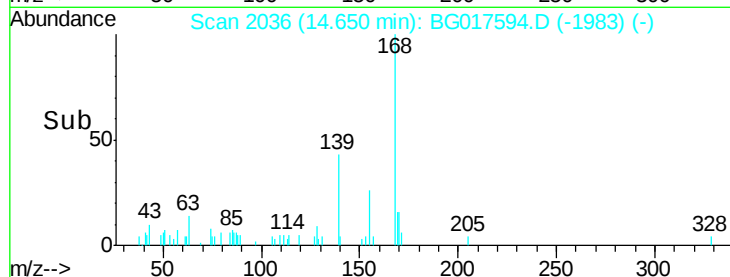
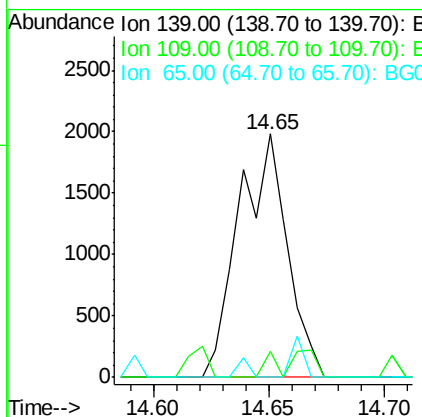
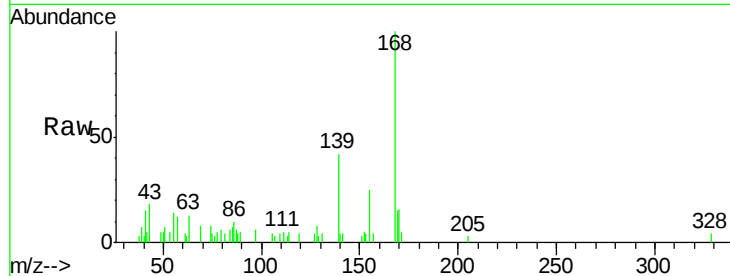




#55
4-Nitrophenol
Concen: 3.90 ng
RT: 14.65 min Scan# 2036
Delta R.T. 0.11 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

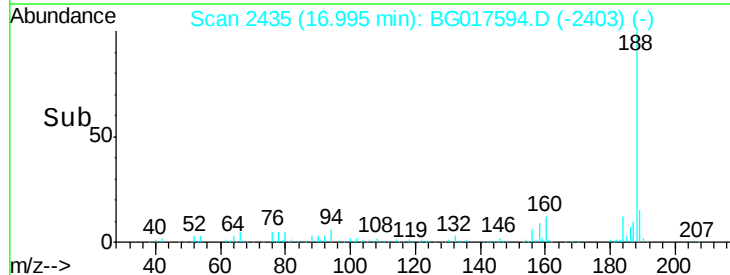
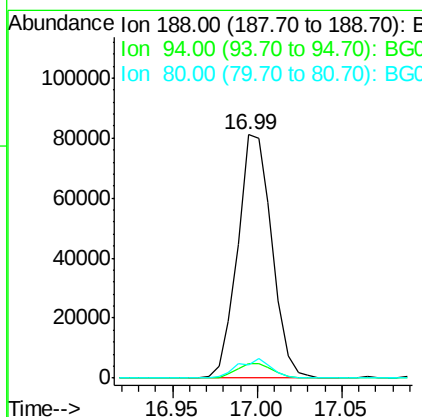
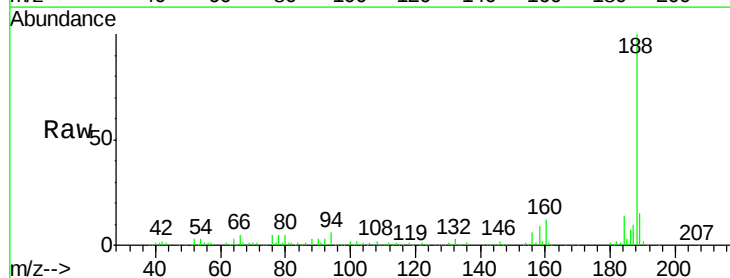
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BNA_G
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FK-SF-02-002-ARE

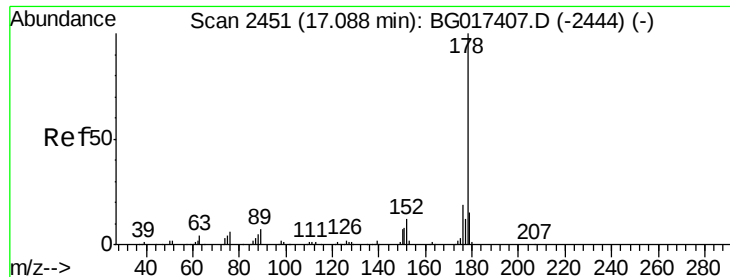
Tgt Ion:139 Resp: 2884
Ion Ratio Lower Upper
139 100
109 10.5 89.5 129.5#
65 0.0 95.9 135.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.99 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Tgt Ion:188 Resp: 114557
Ion Ratio Lower Upper
188 100
94 6.1 6.3 9.5#
80 5.4 5.2 7.8





#70

Phenanthrene

Concen: 12.99 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

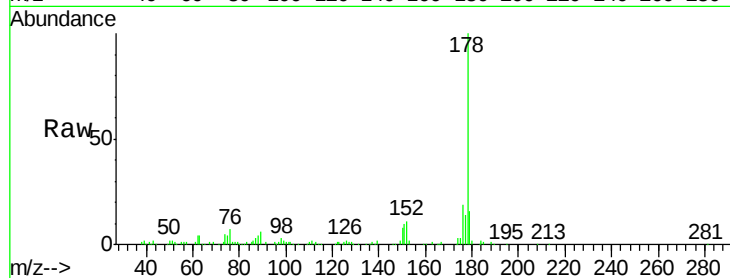
Tgt Ion:178 Resp: 82998

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

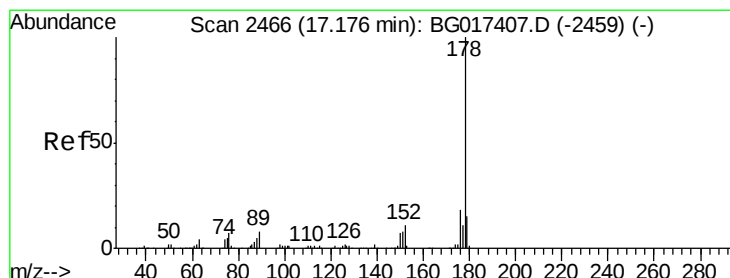
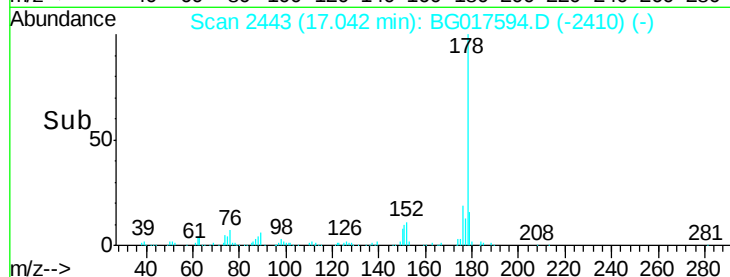
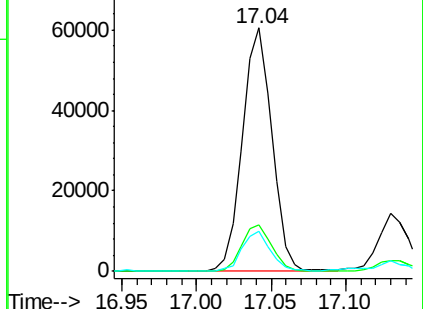
179 16.5 12.2 18.2



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: 3.06 ng

RT: 17.13 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

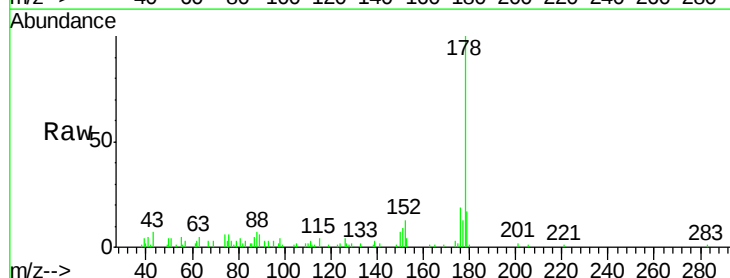
Tgt Ion:178 Resp: 19536

Ion Ratio Lower Upper

178 100

176 18.9 14.2 21.2

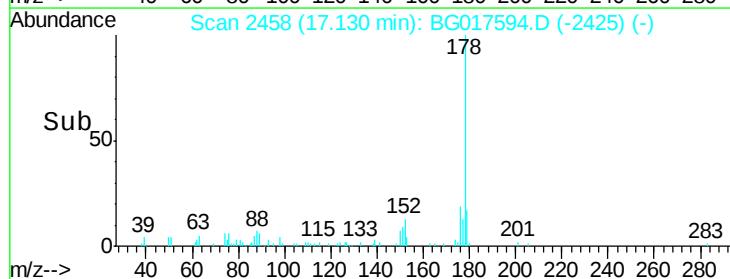
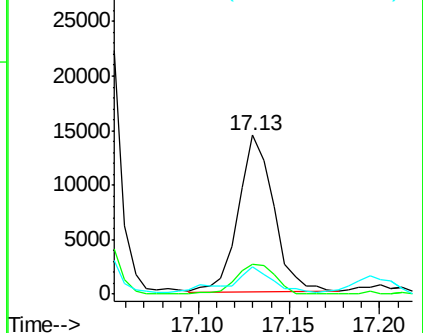
179 17.2 12.2 18.4

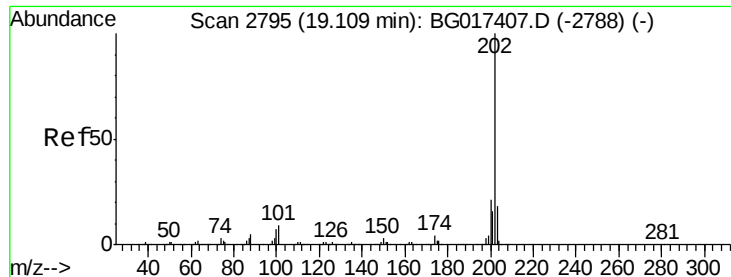


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.22 ng

RT: 19.07 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

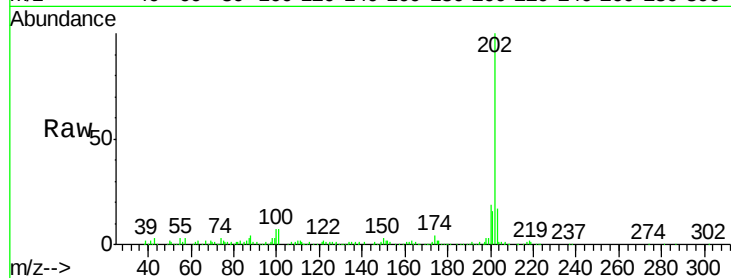
Tgt Ion:202 Resp: 118736

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.8

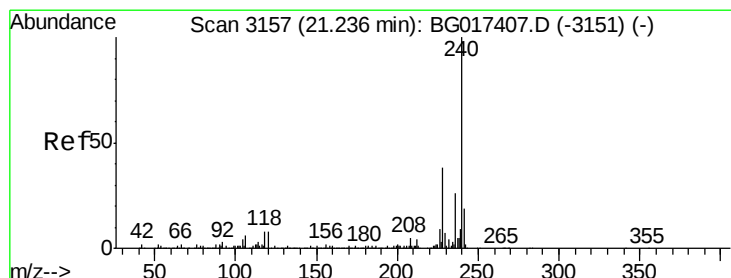
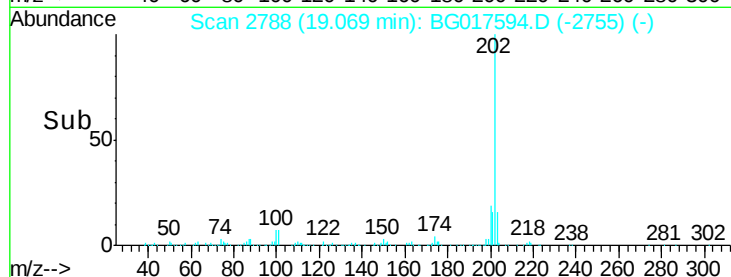
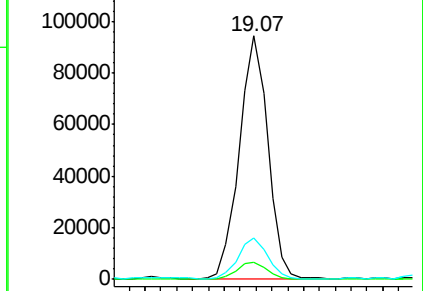
203 17.1 0.0 37.6



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: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

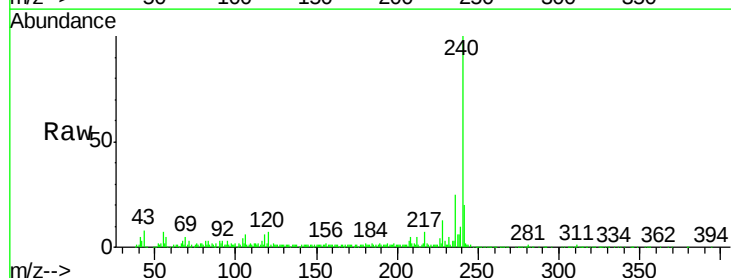
Tgt Ion:240 Resp: 137966

Ion Ratio Lower Upper

240 100

120 7.3 6.5 9.7

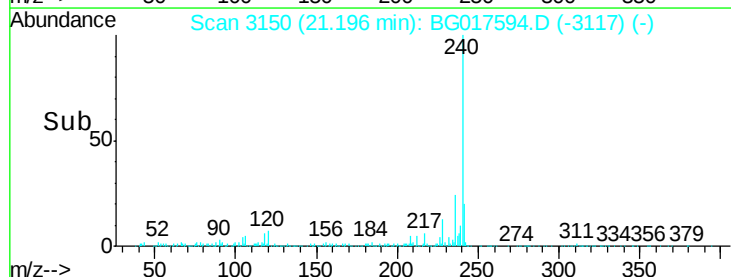
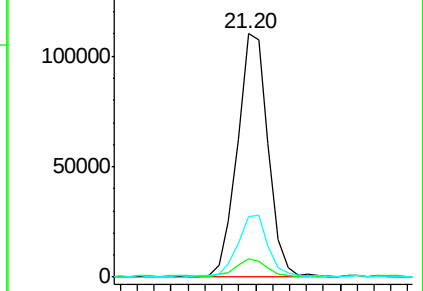
236 24.7 20.8 31.2

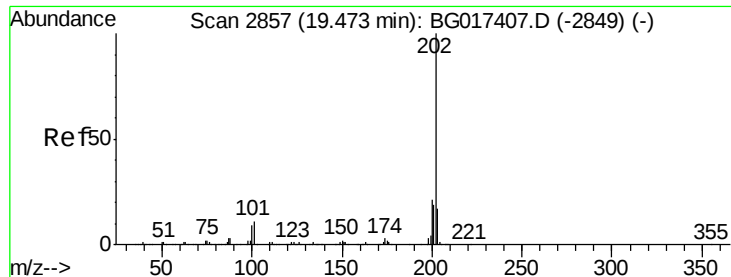


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 12.31 ng

RT: 19.43 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

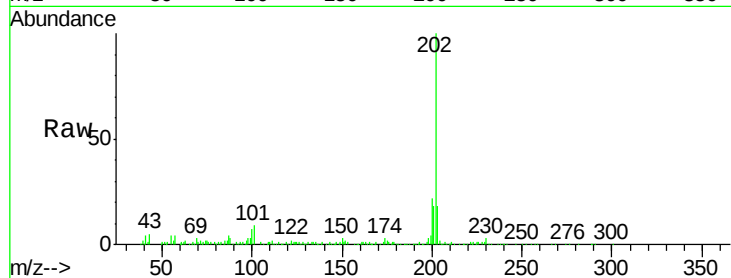
Tgt Ion:202 Resp: 104619

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

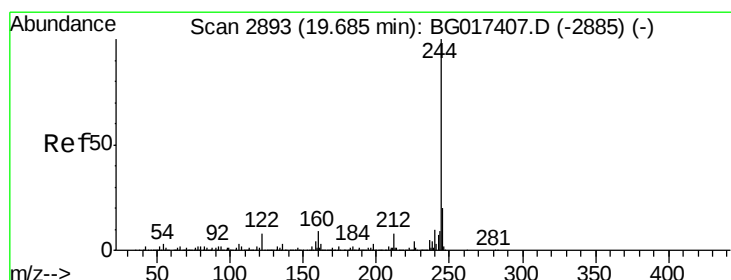
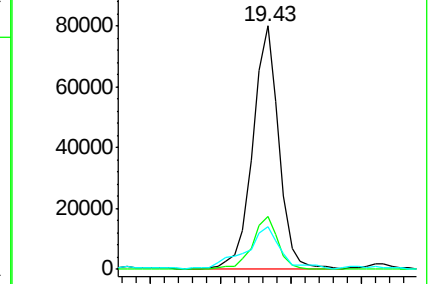
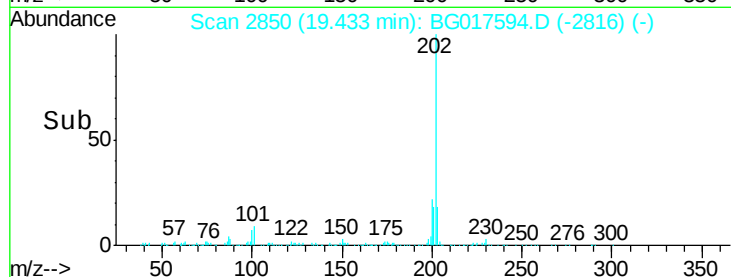
203 17.8 13.9 20.9



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: 29.53 ng

RT: 19.64 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

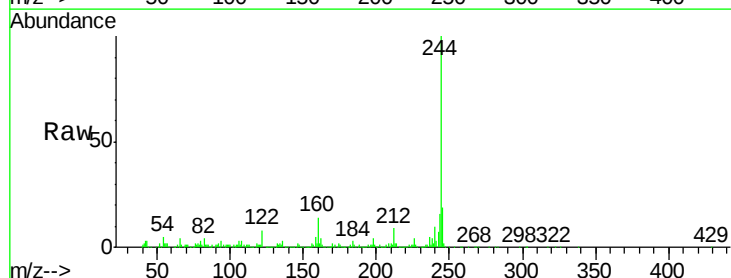
Tgt Ion:244 Resp: 197141

Ion Ratio Lower Upper

244 100

212 8.7 6.4 9.6

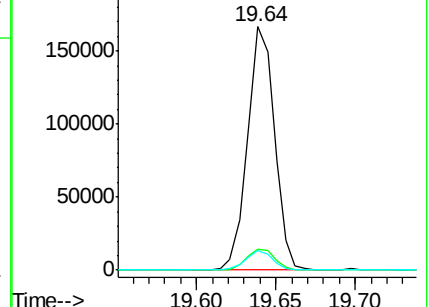
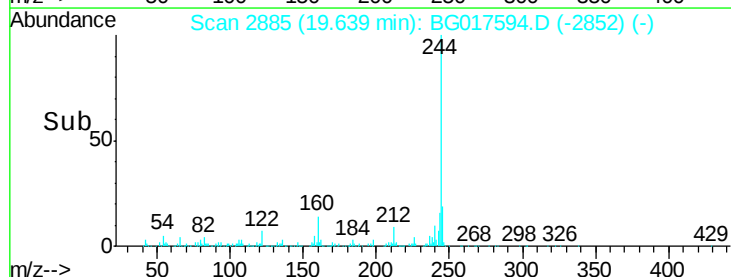
122 7.9 6.6 10.0

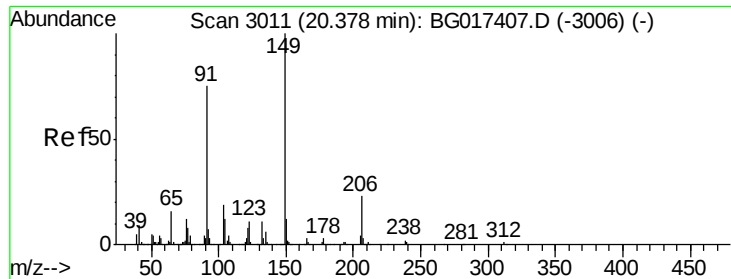


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

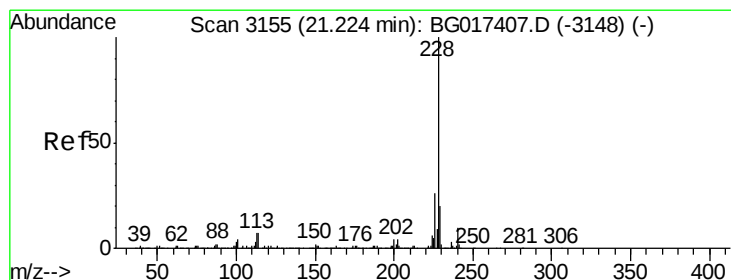
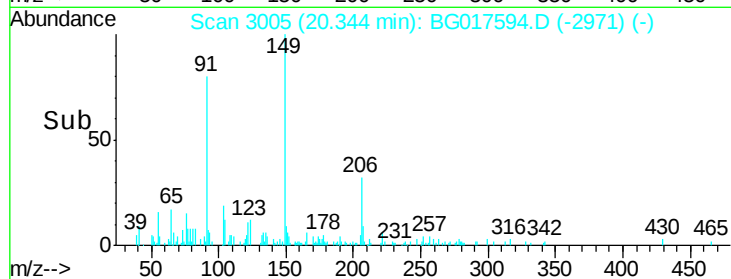
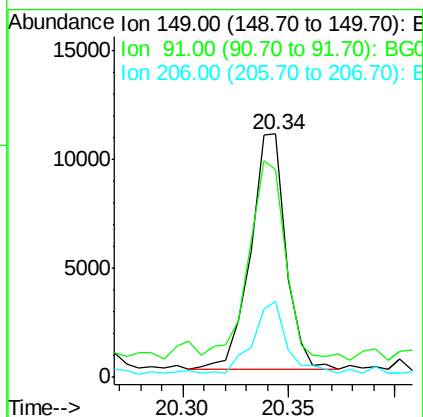
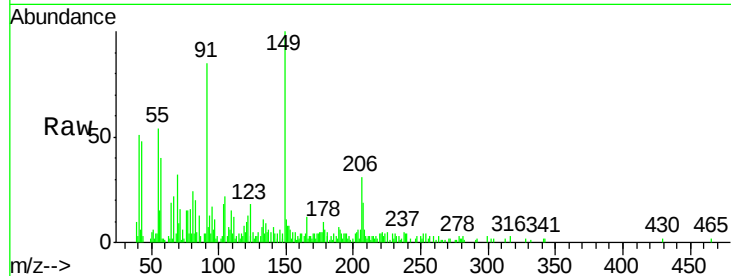




#79
Butylbenzylphthalate
Concen: 3.41 ng
RT: 20.34 min Scan# 3005
Delta R.T. -0.00 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

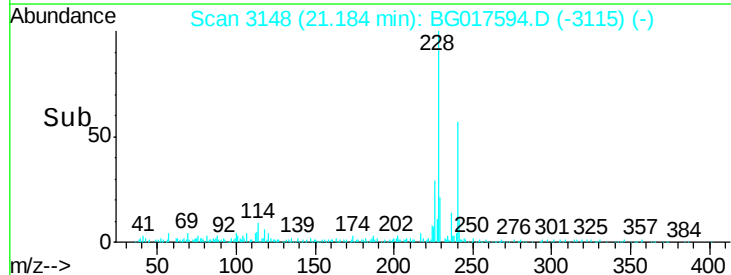
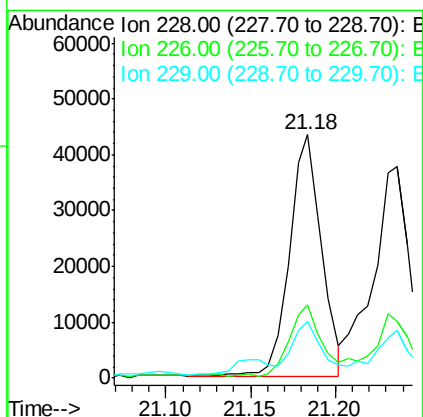
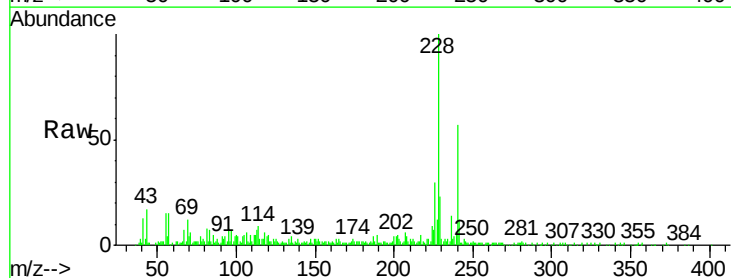
Instrument :
BNA_G
ClientSampleId :
FK-SF-02-002-ARE

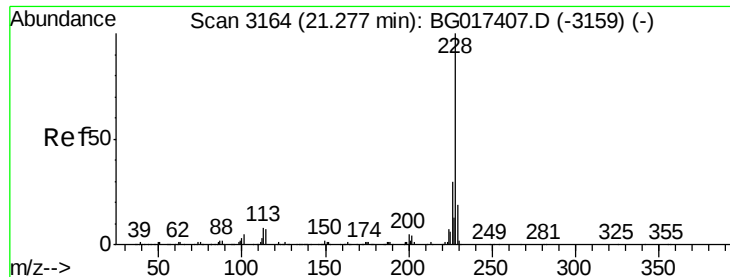
Tgt Ion:149 Resp: 12558
Ion Ratio Lower Upper
149 100
91 85.2 59.8 89.6
206 31.1 18.2 27.2#



#80
Benzo(a)anthracene
Concen: 6.70 ng
RT: 21.18 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BG017594.D
Acq: 10 Jun 2015 5:00

Tgt Ion:228 Resp: 56868
Ion Ratio Lower Upper
228 100
226 30.3 21.0 31.6
229 23.2 15.7 23.5





#82

Chrysene

Concen: 7.04 ng

RT: 21.24 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

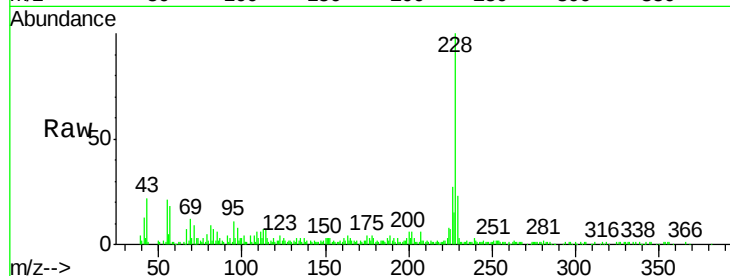
BNA_G

ClientSampleId :

FK-SF-02-002-ARE

Tgt Ion:228 Resp: 54130

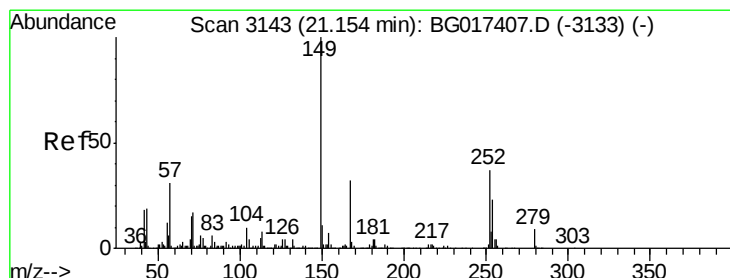
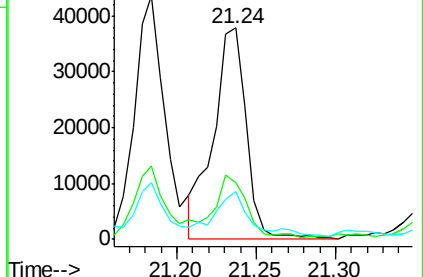
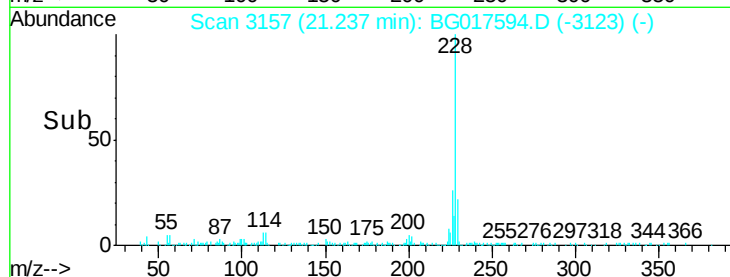
Ion	Ratio	Lower	Upper
228	100		
226	26.9	23.7	35.5
229	22.9	15.2	22.8#



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: 5.87 ng

RT: 21.12 min Scan# 3137

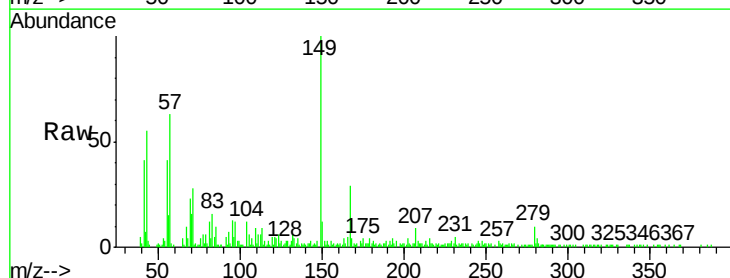
Delta R.T. -0.00 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Tgt Ion:149 Resp: 31158

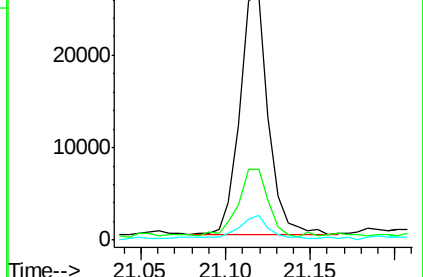
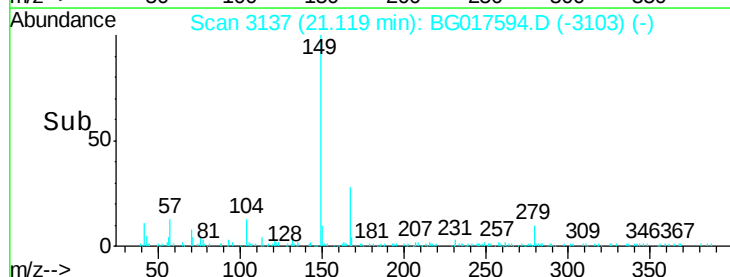
Ion	Ratio	Lower	Upper
149	100		
167	29.0	25.4	38.2
279	9.9	7.1	10.7

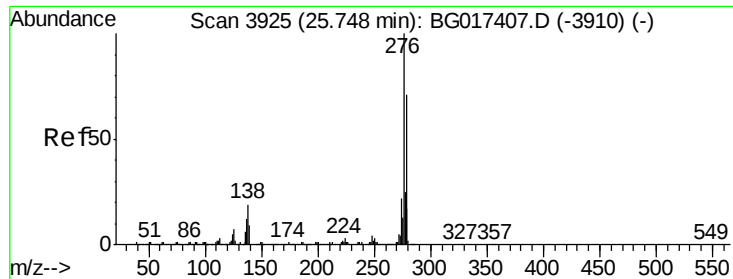


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.68 ng

RT: 25.67 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

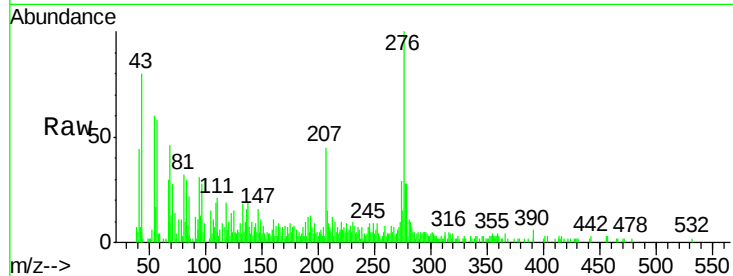
Tgt Ion:276 Resp: 25832

Ion Ratio Lower Upper

276 100

138 19.3 15.4 23.0

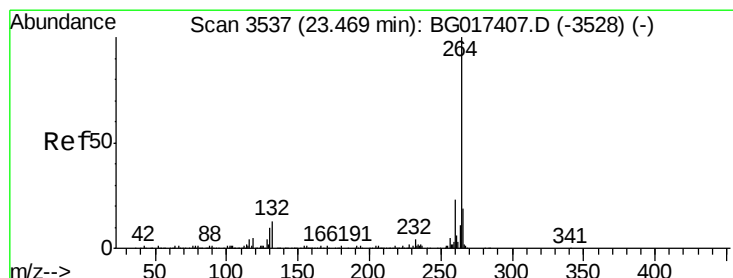
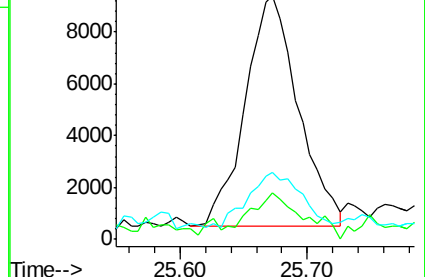
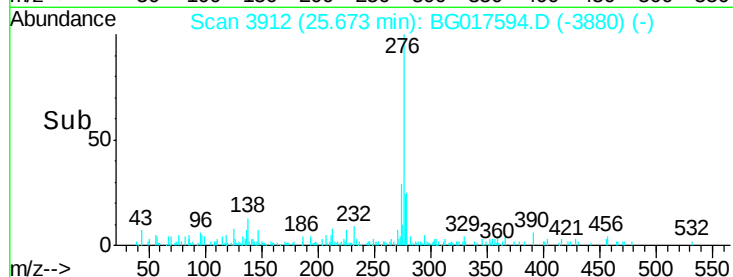
277 23.3 20.5 30.7



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: 23.42 min Scan# 3528

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

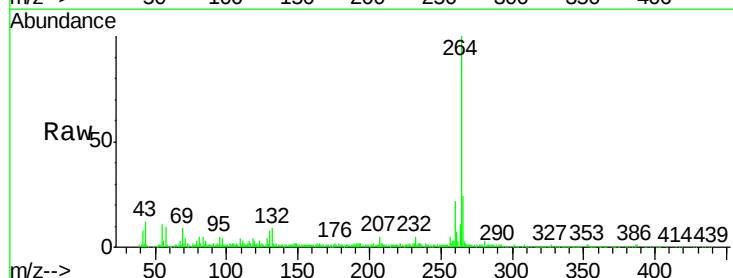
Tgt Ion:264 Resp: 146046

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

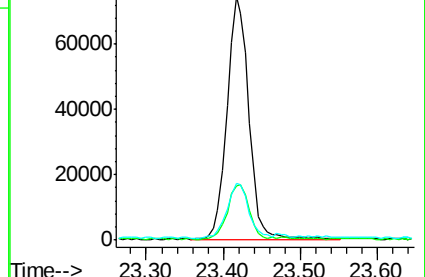
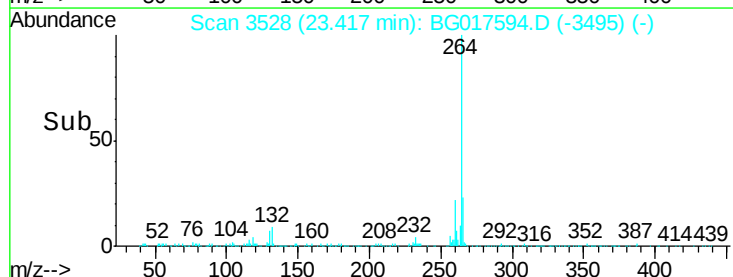
265 23.6 15.8 23.6

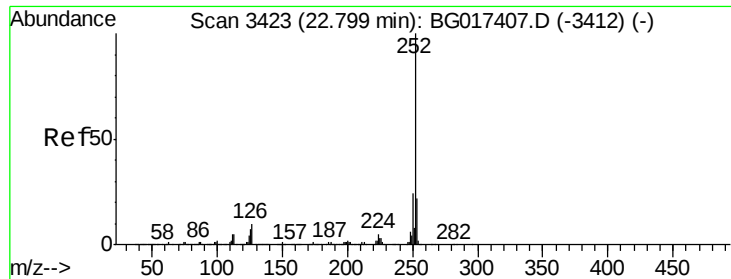


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.63 ng

RT: 22.75 min Scan# 3415

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

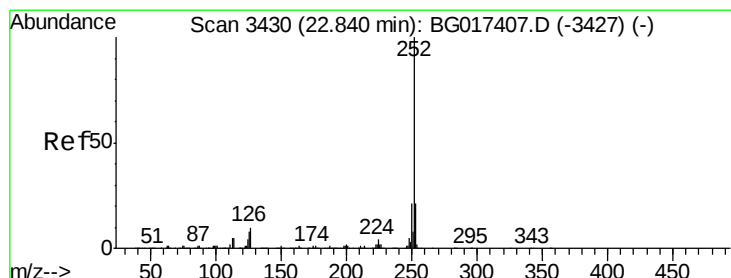
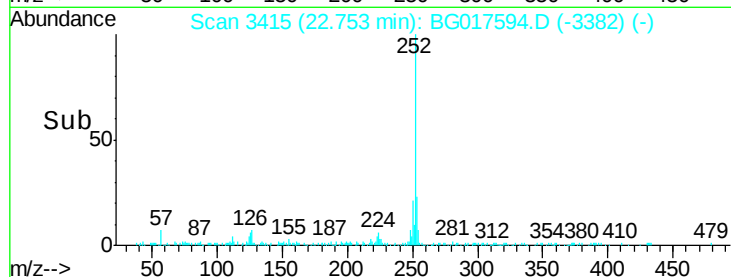
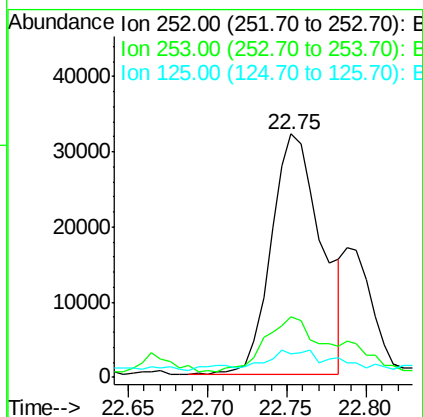
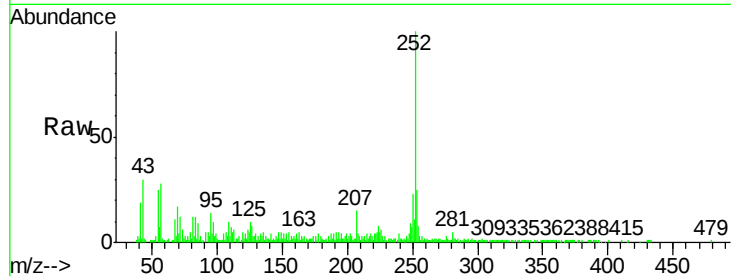
Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

Tgt Ion:	252	Resp:	70605
Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	9.6	5.8	8.8#



#88

Benzo(k)fluoranthene

Concen: 7.97 ng

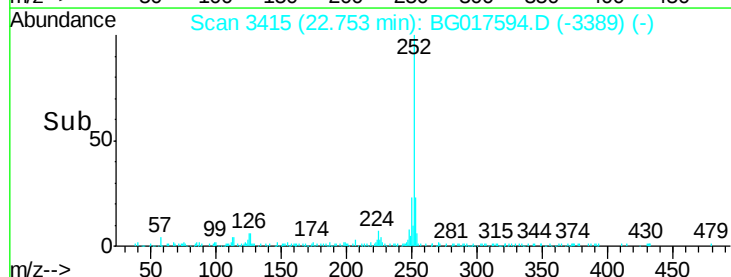
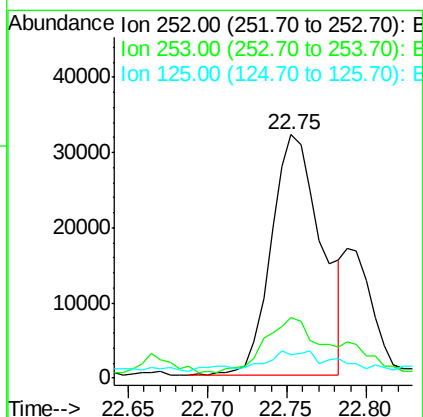
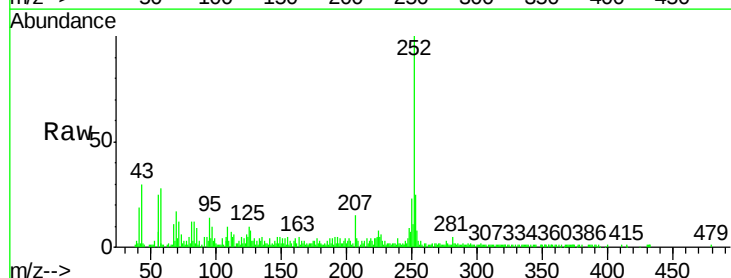
RT: 22.75 min Scan# 3415

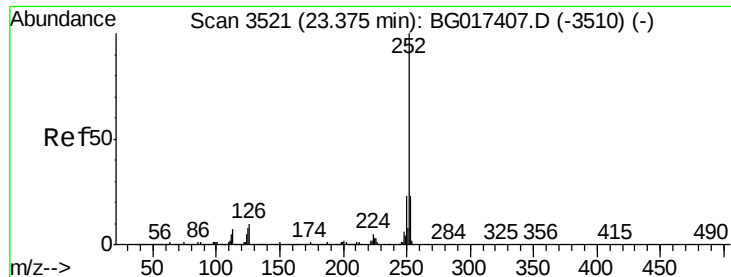
Delta R.T. -0.05 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Tgt Ion:	252	Resp:	70605
Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.7	26.5
125	9.6	6.5	9.7





#89

Benzo(a)pyrene

Concen: 3.99 ng

RT: 23.22 min Scan# 3495

Delta R.T. -0.11 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Instrument :

BNA_G

ClientSampleId :

FK-SF-02-002-ARE

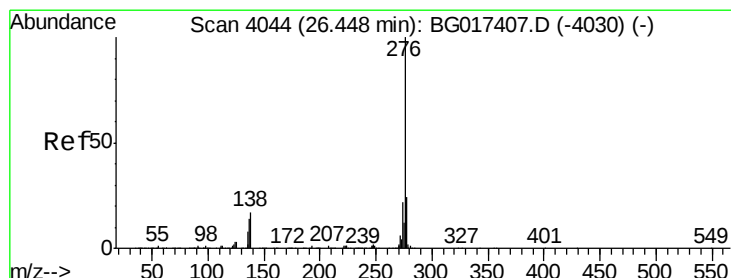
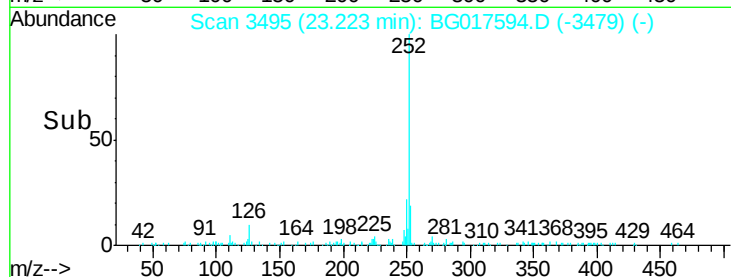
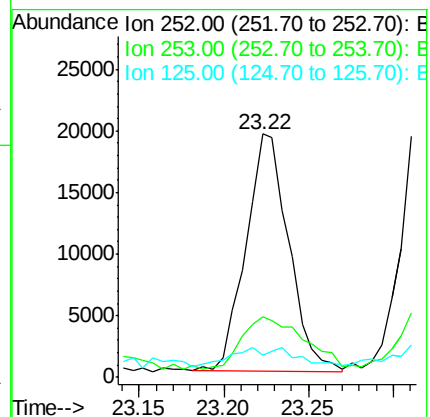
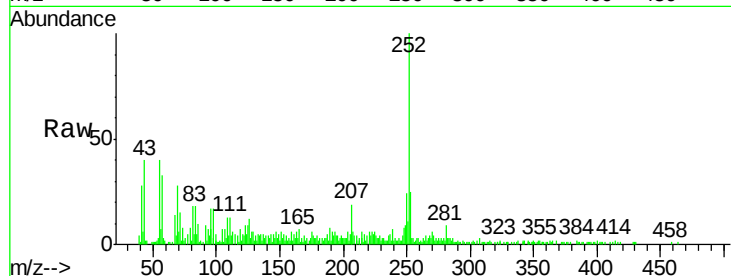
Tgt Ion:252 Resp: 33881

Ion Ratio Lower Upper

252 100

253 25.0 18.1 27.1

125 9.3 6.5 9.7



#91

Benzo(g,h,i)perylene

Concen: 3.18 ng

RT: 26.37 min Scan# 4031

Delta R.T. -0.01 min

Lab File: BG017594.D

Acq: 10 Jun 2015 5:00

Tgt Ion:276 Resp: 26662

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 16.3 13.5 20.3

