

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017596.D
 Acq On : 10 Jun 2015 6:10
 Operator : TP/IZ
 Sample : G2450-07DL 4X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

Quant Time: Jun 10 07:09:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 18:39:50 2015
 Response via : Initial Calibration

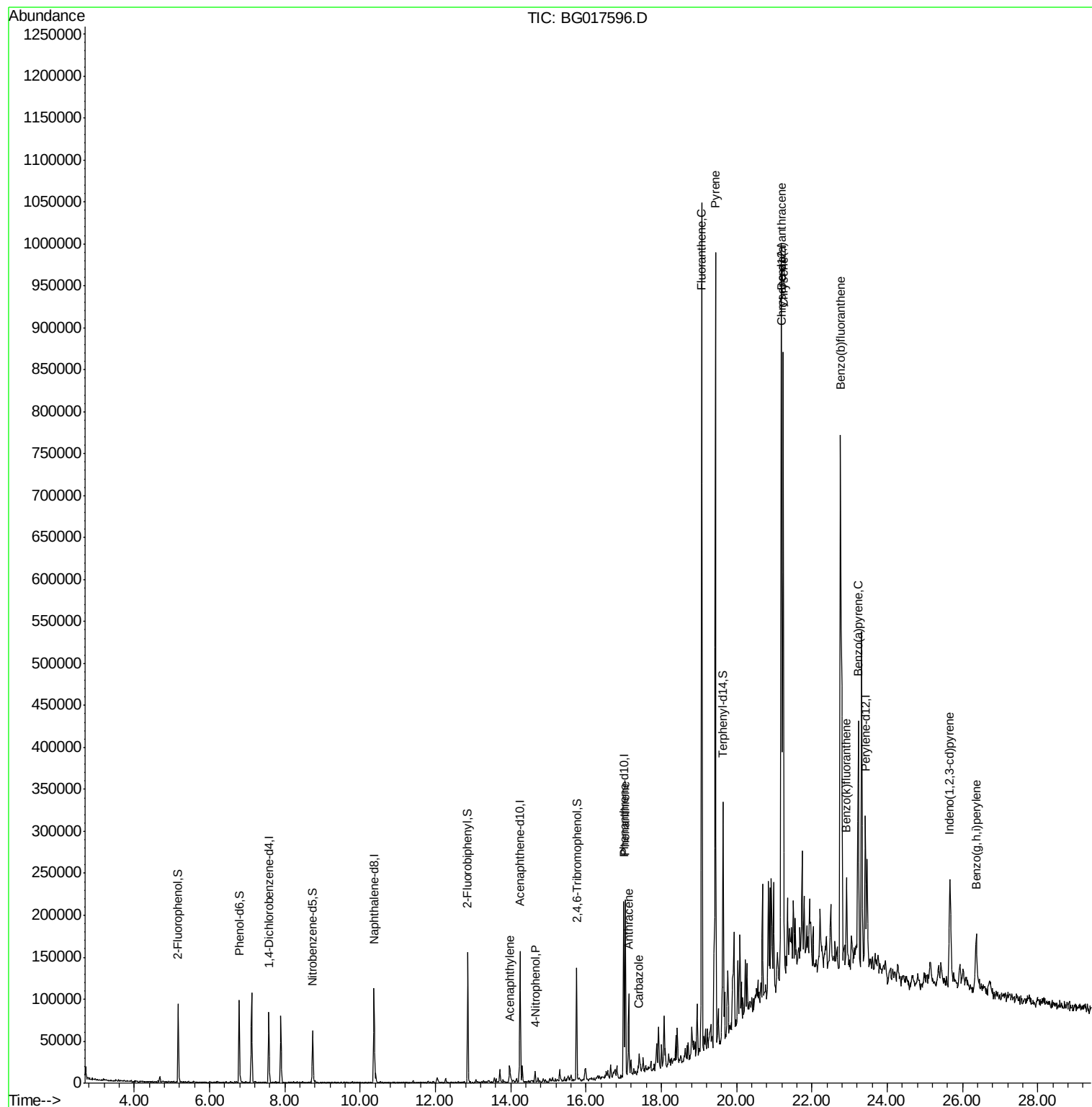
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	17994	20.00	ng	-0.04
21) Naphthalene-d8	10.37	136	73953	20.00	ng	-0.04
38) Acenaphthene-d10	14.24	164	45621	20.00	ng	-0.04
63) Phenanthrene-d10	17.00	188	101916	20.00	ng	-0.04
75) Chrysene-d12	21.20	240	127079	20.00	ng	-0.04
86) Perylene-d12	23.42	264	128525	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	30068	29.44	ng	-0.04
7) Phenol-d6	6.79	99	40145	28.85	ng	-0.03
23) Nitrobenzene-d5	8.74	82	30870	20.84	ng	-0.04
41) 2,4,6-Tribromophenol	15.75	330	18299	28.88	ng	-0.04
44) 2-Fluorobiphenyl	12.86	172	63585	21.02	ng	-0.04
78) Terphenyl-d14	19.64	244	101500	16.51	ng	-0.04
Target Compounds						Qvalue
48) Acenaphthylene	13.97	152	16587	3.38	ng	# 92
55) 4-Nitrophenol	14.64	139	2644	4.19	ng	# 1
70) Phenanthrene	17.04	178	102335	18.01	ng	98
71) Anthracene	17.14	178	51936	9.15	ng	96
72) Carbazole	17.41	167	11725	2.09	ng	# 91
74) Fluoranthene	19.07	202	526275	70.82	ng	98
77) Pyrene	19.44	202	517684	66.13	ng	97
80) Benzo(a)anthracene	21.19	228	387124	49.53	ng	96
82) Chrysene	21.24	228	396575	56.04	ng	97
85) Indeno(1,2,3-cd)pyrene	25.67	276	133299	15.00	ng	# 89
87) Benzo(b)fluoranthene	22.76	252	660861	81.14	ng	95
88) Benzo(k)fluoranthene	22.92	252	65828	8.45	ng	96
89) Benzo(a)pyrene	23.23	252	206171	27.60	ng	99
91) Benzo(g,h,i)perylene	26.37	276	108274	14.66	ng	# 92

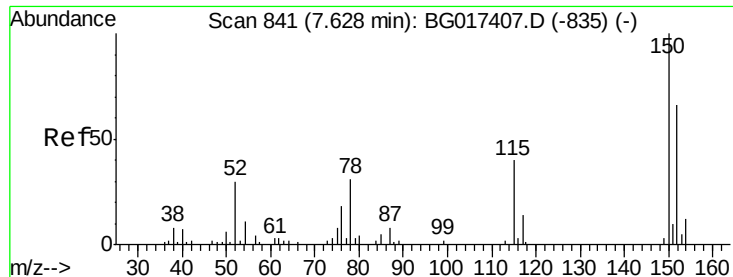
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017596.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

Quant Time: Jun 10 07:09:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 831

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

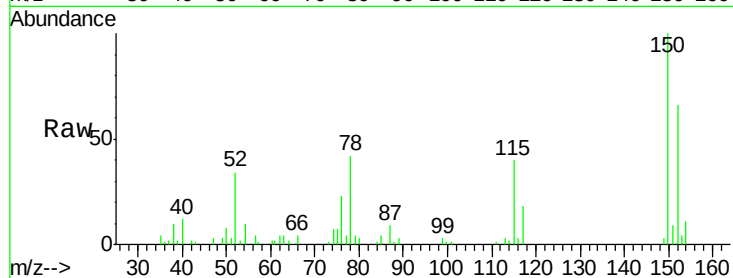
Tgt Ion:152 Resp: 17994

Ion Ratio Lower Upper

152 100

150 151.7 121.7 182.5

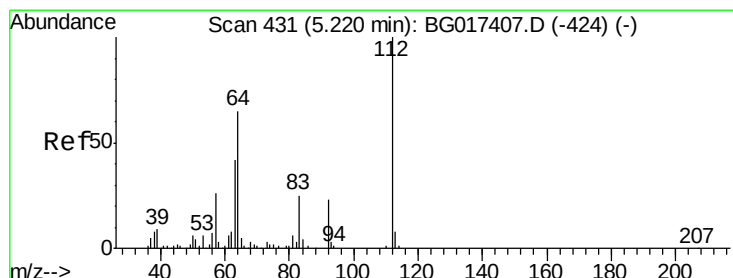
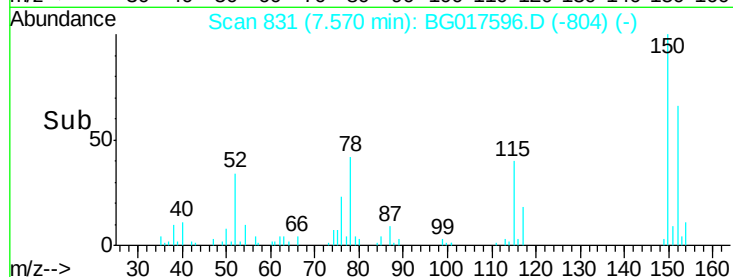
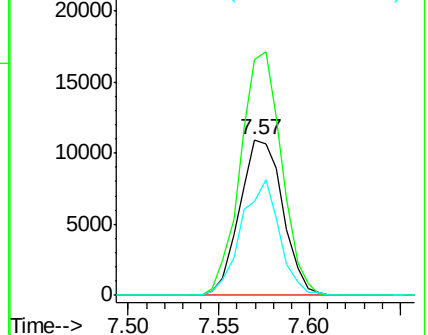
115 60.2 48.6 73.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 29.44 ng

RT: 5.17 min Scan# 422

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

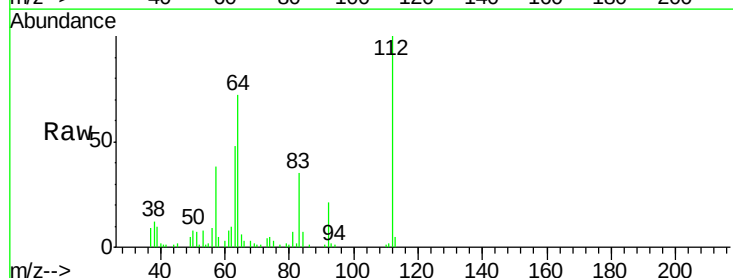
Tgt Ion:112 Resp: 30068

Ion Ratio Lower Upper

112 100

64 72.4 51.6 77.4

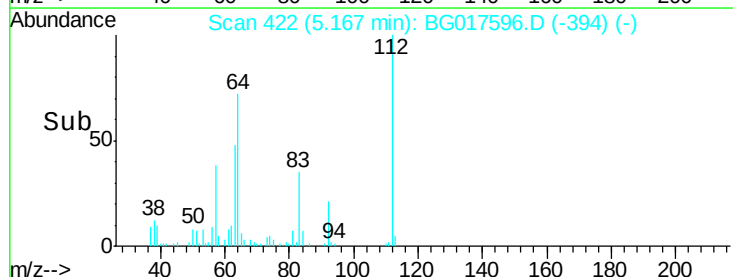
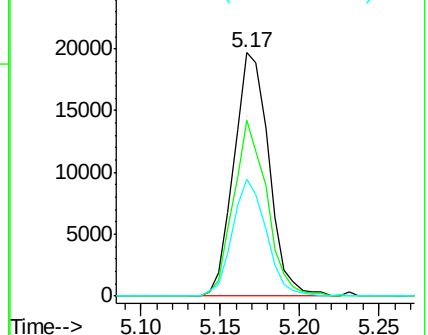
63 48.1 33.3 49.9

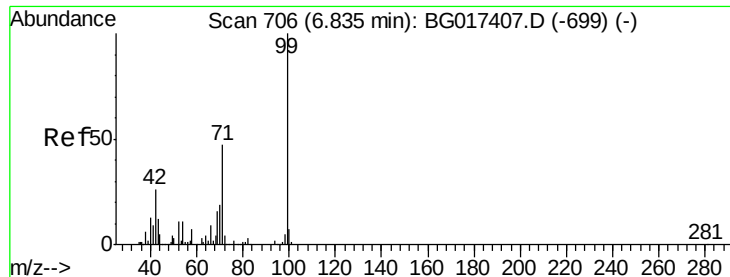


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 28.85 ng

RT: 6.79 min Scan# 698

Delta R.T. -0.03 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

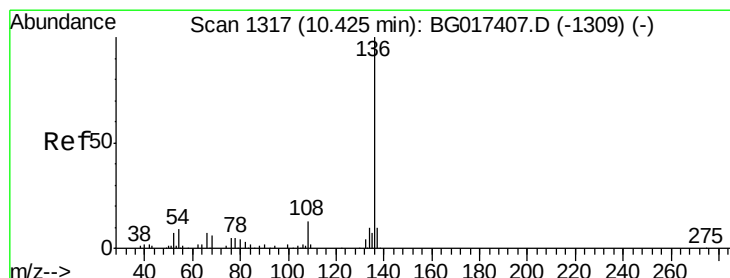
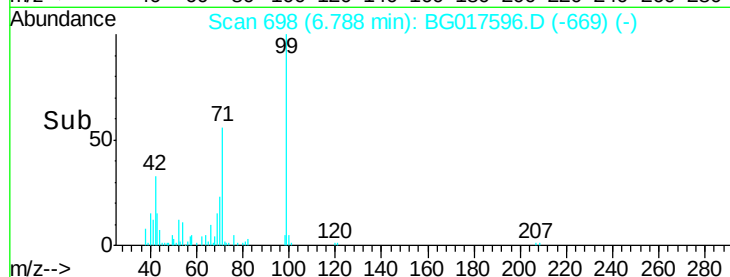
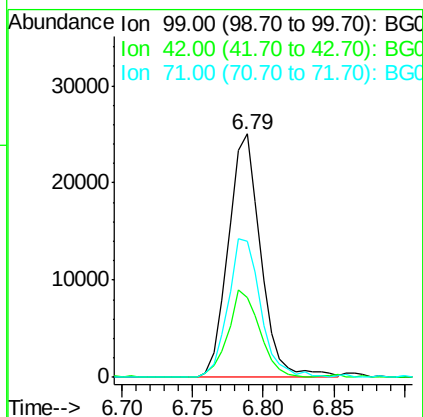
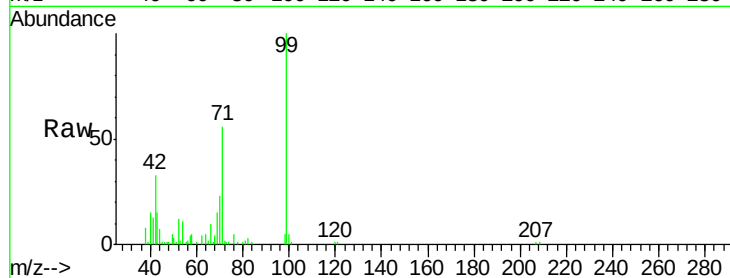
Tgt Ion: 99 Resp: 40145

Ion Ratio Lower Upper

99 100

42 33.0 21.0 31.6#

71 55.9 37.2 55.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.37 min Scan# 1307

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Tgt Ion: 136 Resp: 73953

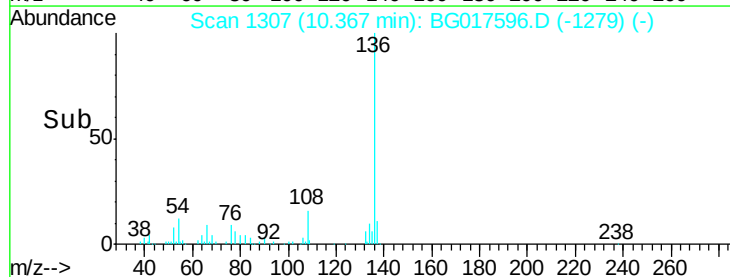
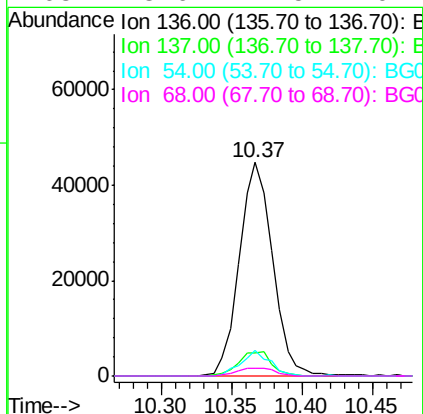
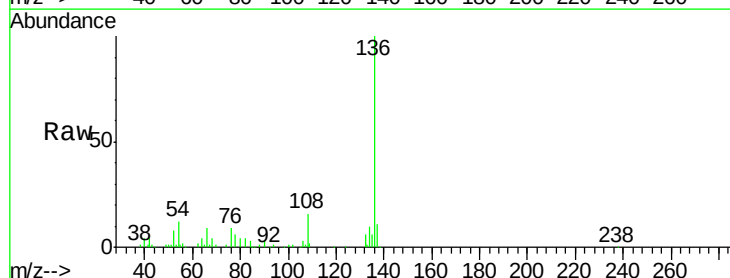
Ion Ratio Lower Upper

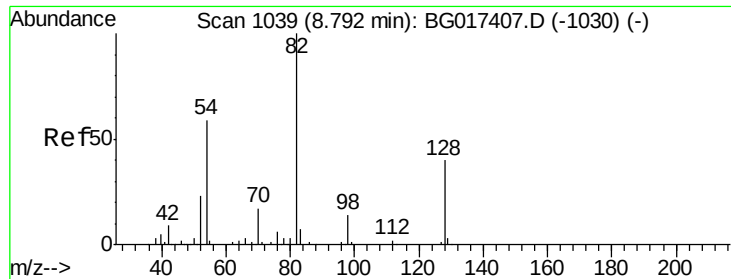
136 100

137 10.8 7.9 11.9

54 12.0 7.2 10.8#

68 3.6 4.5 6.7#

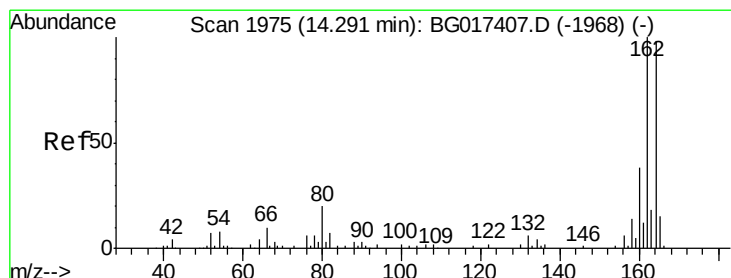
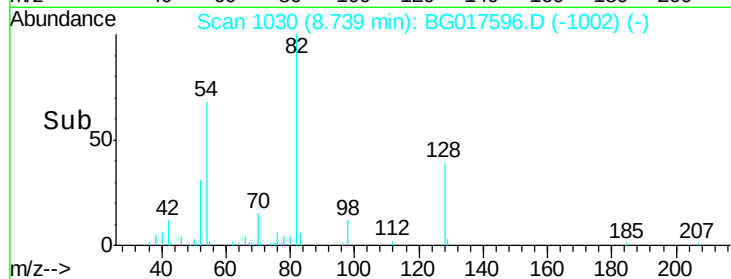
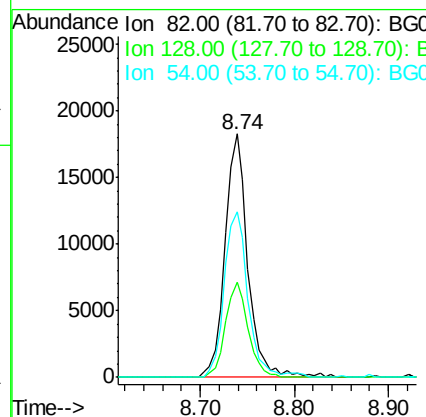
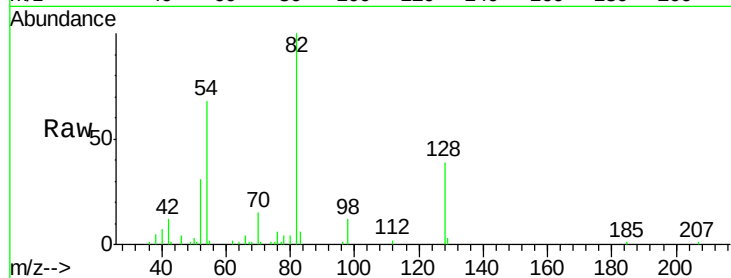




#23
 Nitrobenzene-d5
 Concen: 20.84 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. -0.04 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

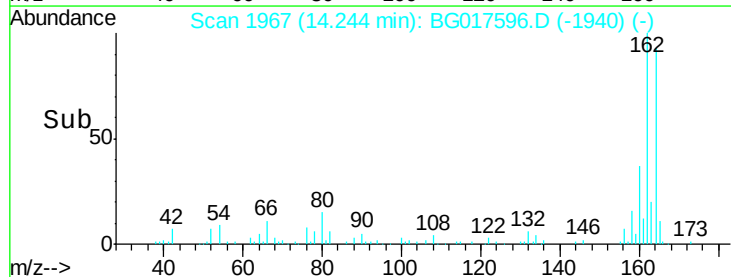
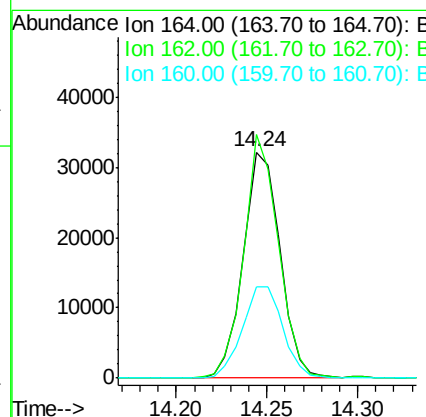
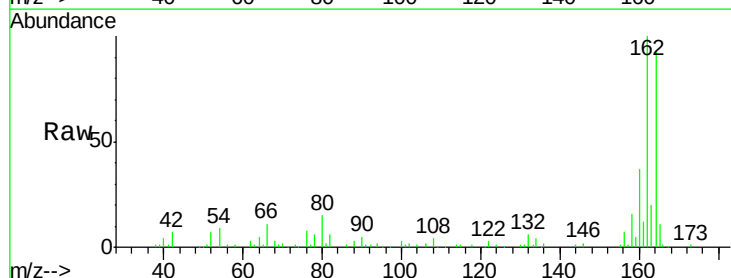
Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

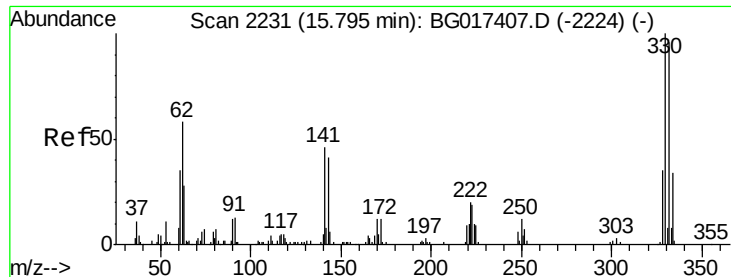
Tgt Ion: 82 Resp: 30870
 Ion Ratio Lower Upper
 82 100
 128 39.0 32.2 48.4
 54 67.8 47.4 71.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.24 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Tgt Ion: 164 Resp: 45621
 Ion Ratio Lower Upper
 164 100
 162 107.8 81.8 122.6
 160 40.3 31.0 46.4

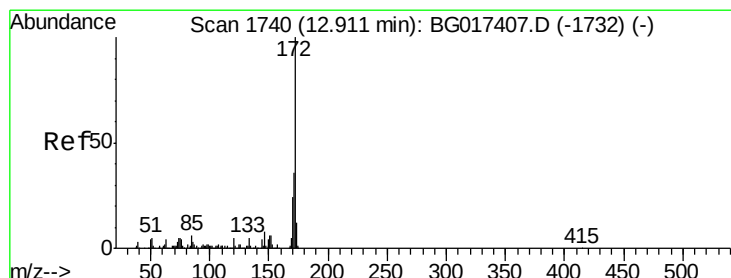
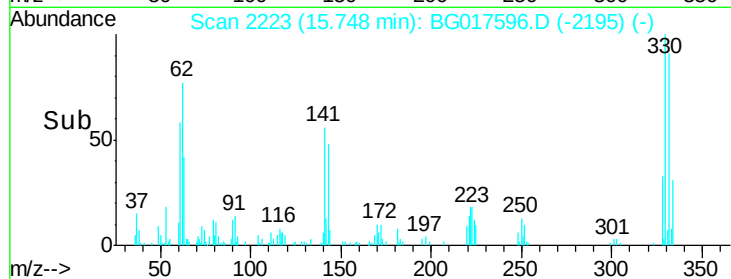
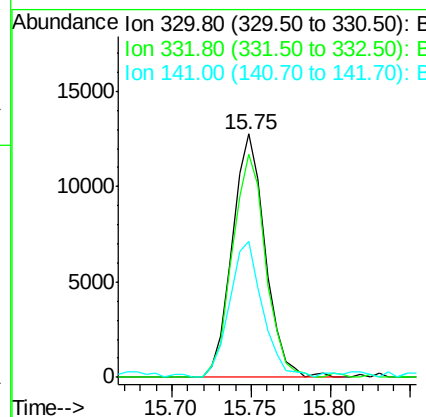
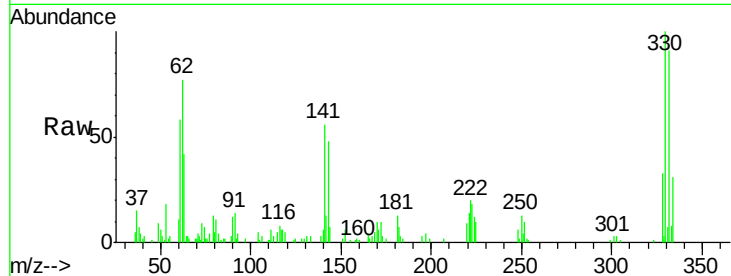




#41
 2,4,6-Tribromophenol
 Concen: 28.88 ng
 RT: 15.75 min Scan# 2223
 Delta R.T. -0.04 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

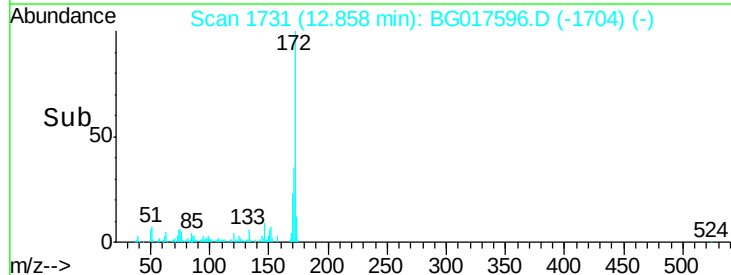
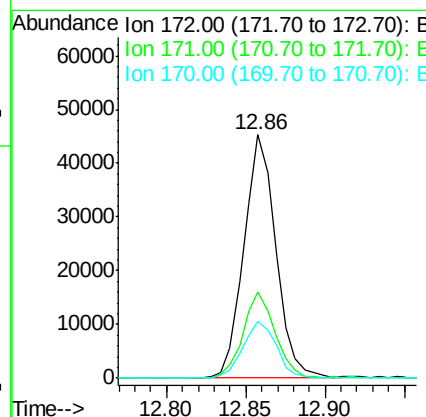
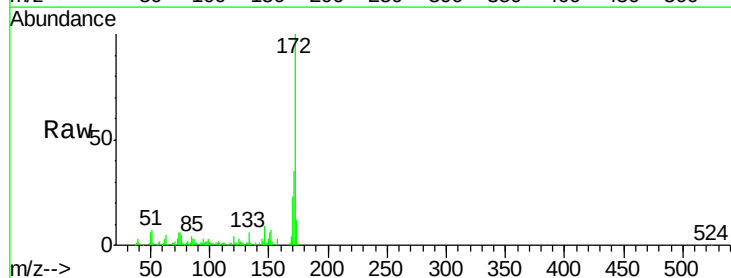
Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

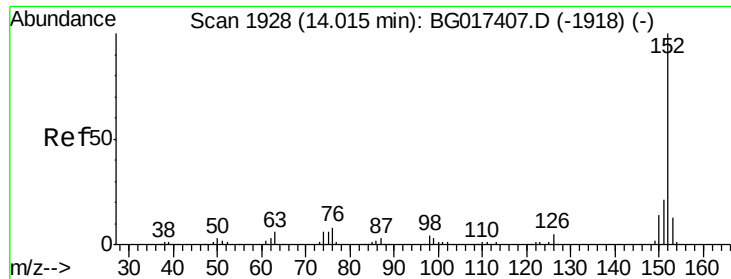
Tgt Ion:330 Resp: 18299
 Ion Ratio Lower Upper
 330 100
 332 92.3 75.9 113.9
 141 56.0 40.2 60.4



#44
 2-Fluorobiphenyl
 Concen: 21.02 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. -0.04 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Tgt Ion:172 Resp: 63585
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 23.3 18.9 28.3





#48

Acenaphthylene

Concen: 3.38 ng

RT: 13.97 min Scan# 1920

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

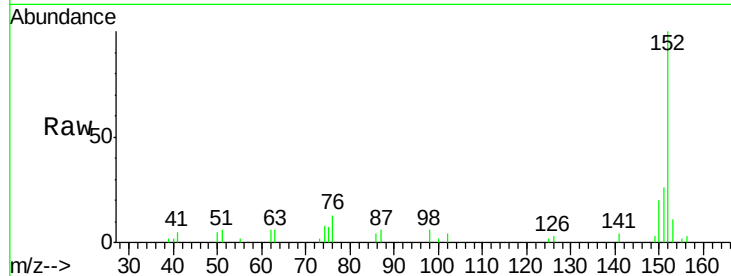
Tgt Ion:152 Resp: 16587

Ion Ratio Lower Upper

152 100

151 25.5 16.5 24.7#

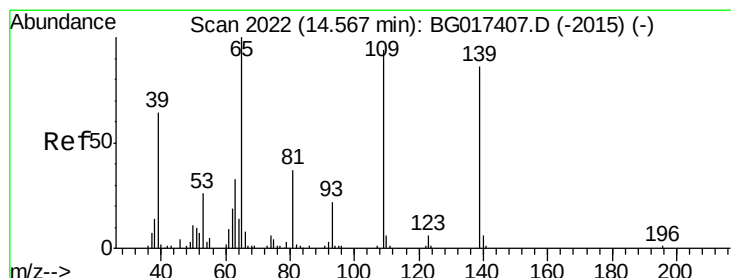
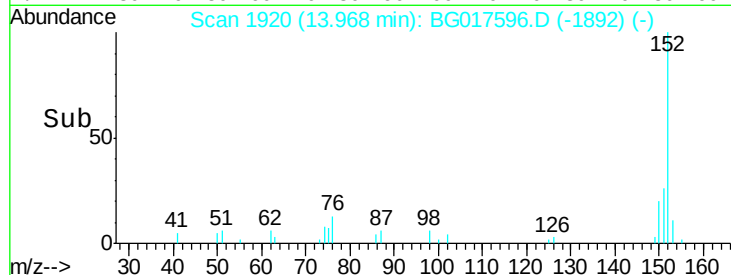
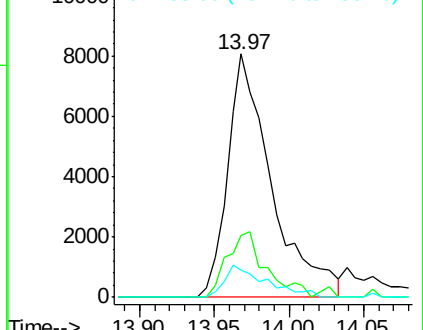
153 11.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#55

4-Nitrophenol

Concen: 4.19 ng

RT: 14.64 min Scan# 2035

Delta R.T. 0.07 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

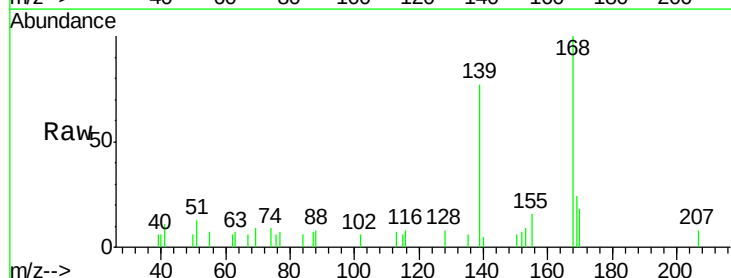
Tgt Ion:139 Resp: 2644

Ion Ratio Lower Upper

139 100

109 0.0 89.5 129.5#

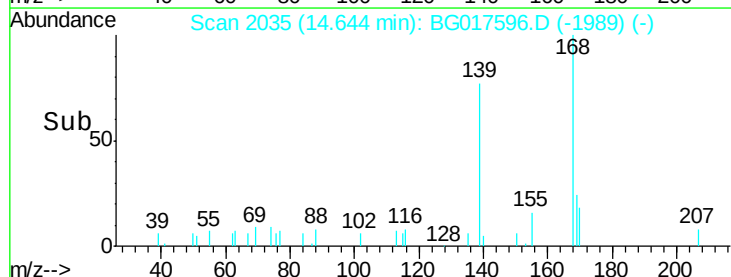
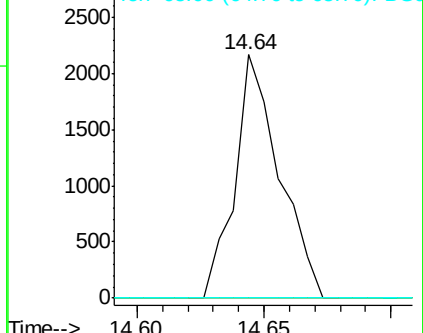
65 0.0 95.9 135.9#

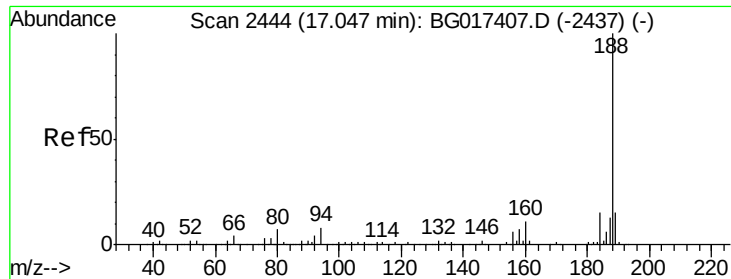


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

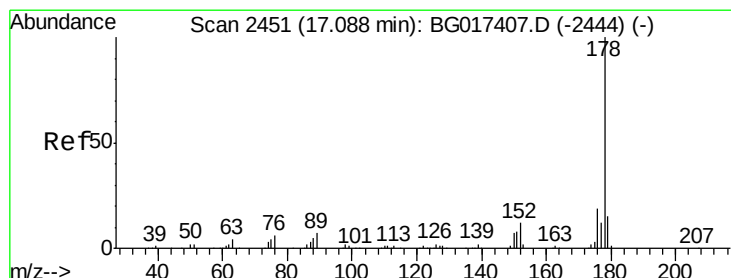
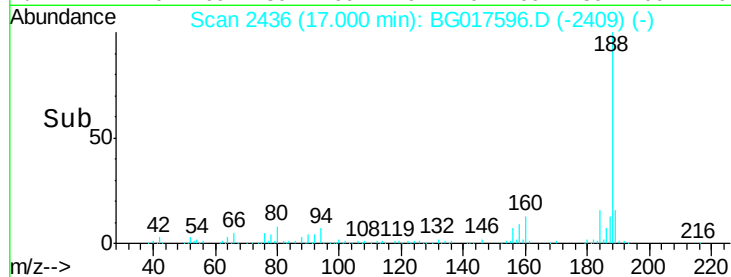
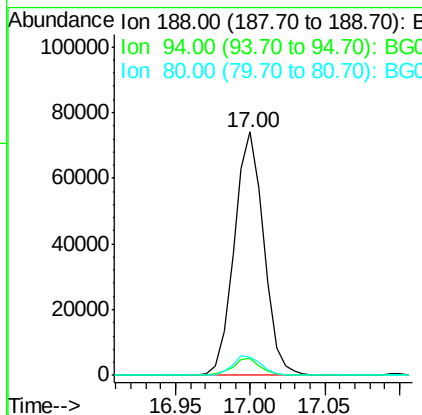
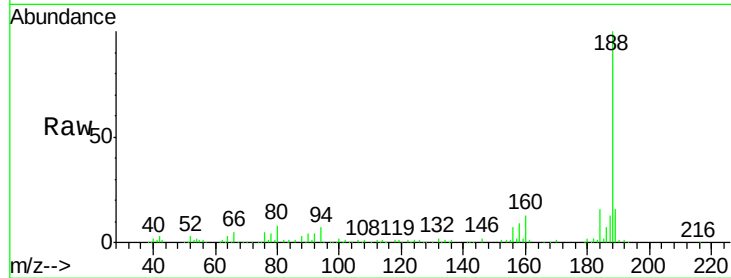




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.00 min Scan# 2436
Delta R.T. -0.04 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

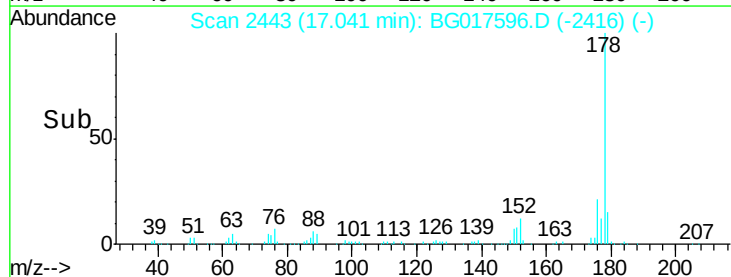
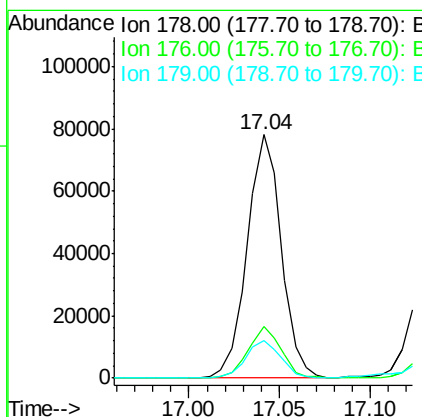
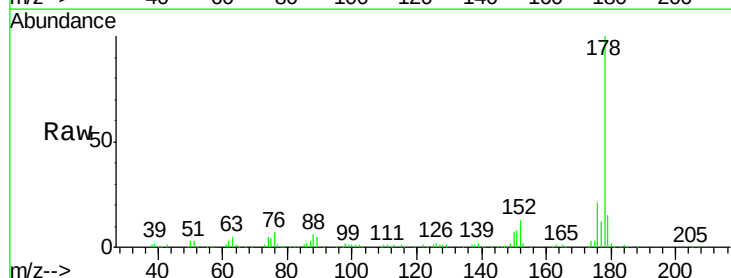
Instrument :
BNA_G
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SEC-3.5-SPDL

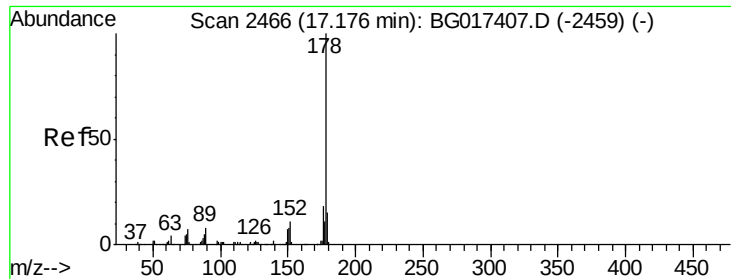
Tgt Ion:188 Resp: 101916
Ion Ratio Lower Upper
188 100
94 7.2 6.3 9.5
80 7.7 5.2 7.8



#70
Phenanthrene
Concen: 18.01 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.04 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Tgt Ion:178 Resp: 102335
Ion Ratio Lower Upper
178 100
176 21.3 15.6 23.4
179 15.4 12.2 18.2





#71

Anthracene

Concen: 9.15 ng

RT: 17.14 min Scan# 2459

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

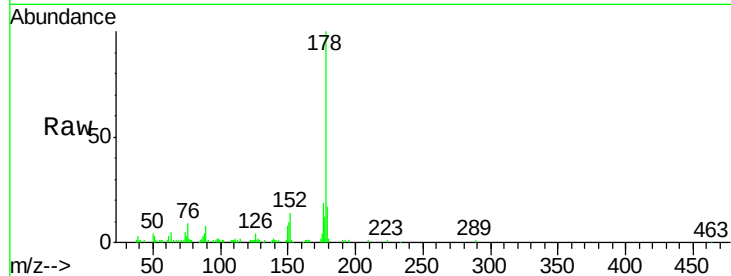
Tgt Ion:178 Resp: 51936

Ion Ratio Lower Upper

178 100

176 19.2 14.2 21.2

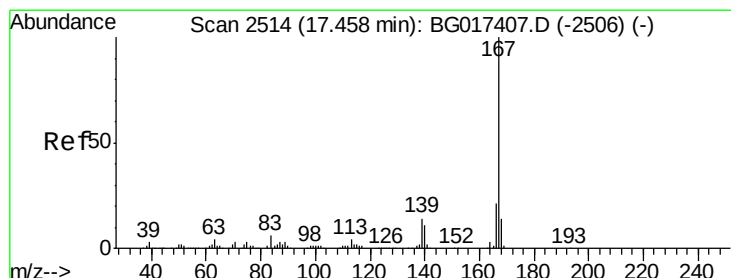
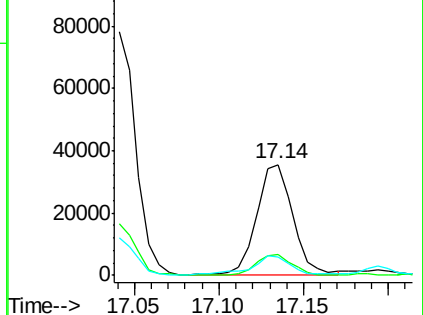
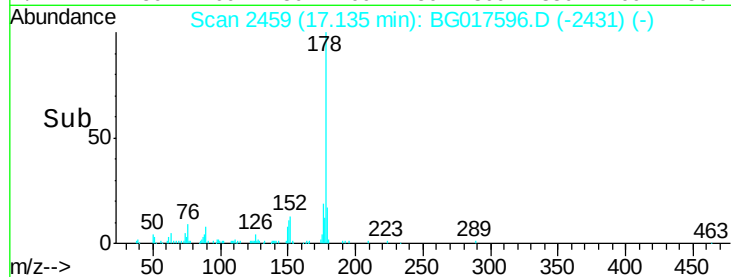
179 16.8 12.2 18.4



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



#72

Carbazole

Concen: 2.09 ng

RT: 17.41 min Scan# 2506

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

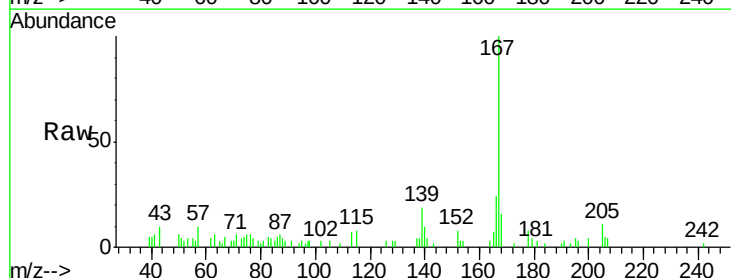
Tgt Ion:167 Resp: 11725

Ion Ratio Lower Upper

167 100

166 23.9 17.0 25.4

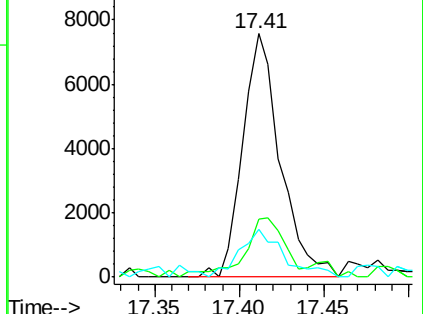
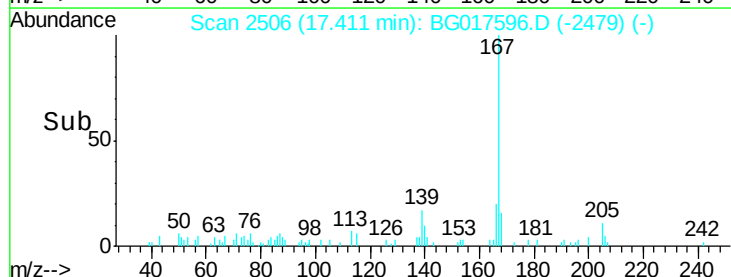
139 19.4 11.3 16.9#

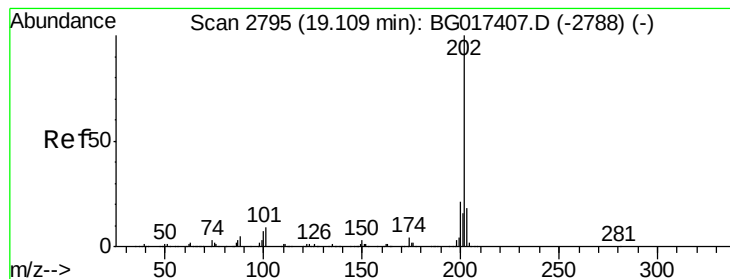


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 70.82 ng

RT: 19.07 min Scan# 2789

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

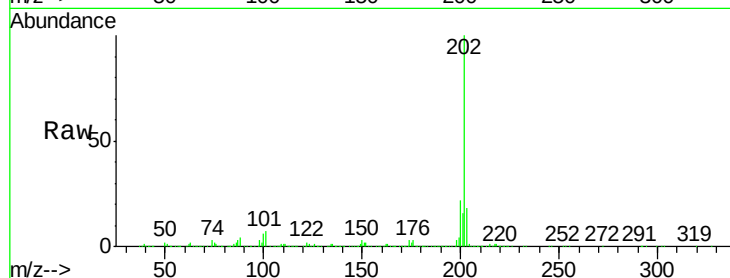
Tgt Ion:202 Resp: 526275

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.8

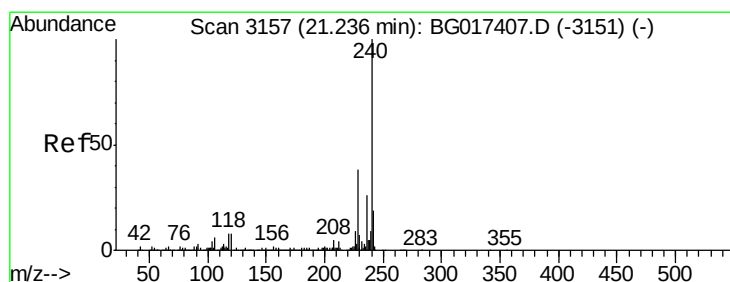
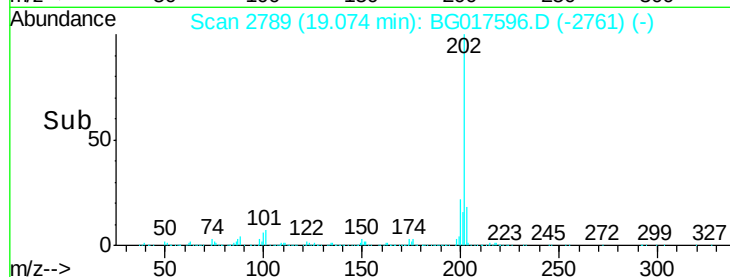
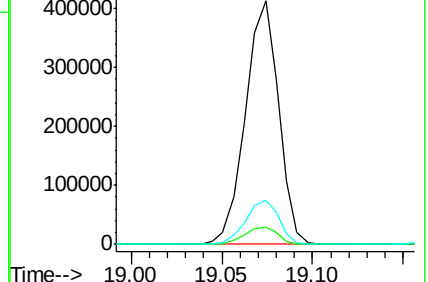
203 18.2 0.0 37.6



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# 3151

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

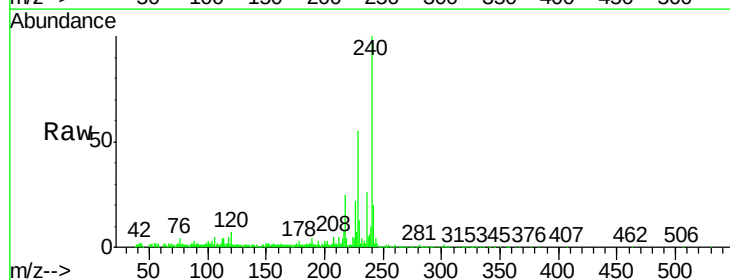
Tgt Ion:240 Resp: 127079

Ion Ratio Lower Upper

240 100

120 6.8 6.5 9.7

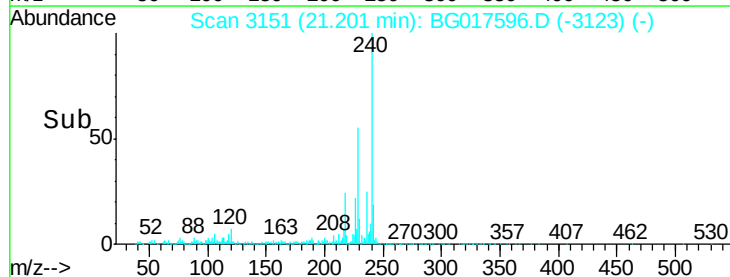
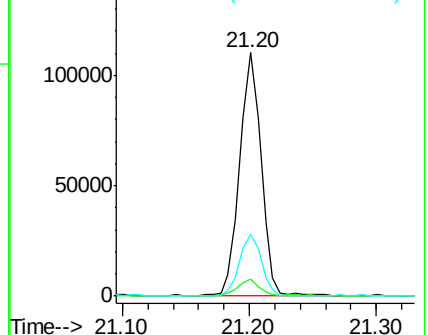
236 25.7 20.8 31.2

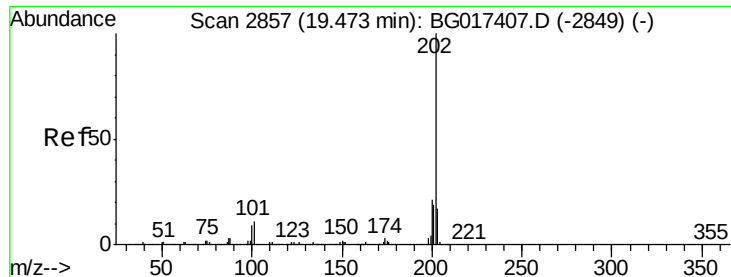


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 66.13 ng

RT: 19.44 min Scan# 2851

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

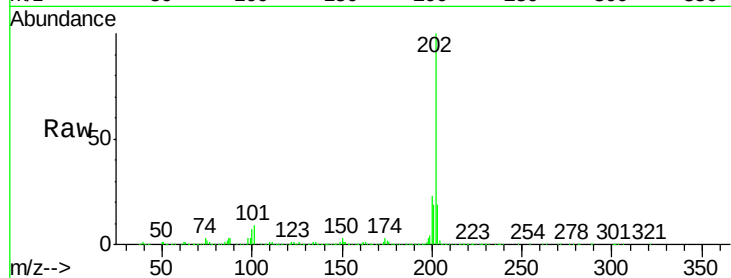
Tgt Ion:202 Resp: 517684

Ion Ratio Lower Upper

202 100

200 22.9 17.0 25.4

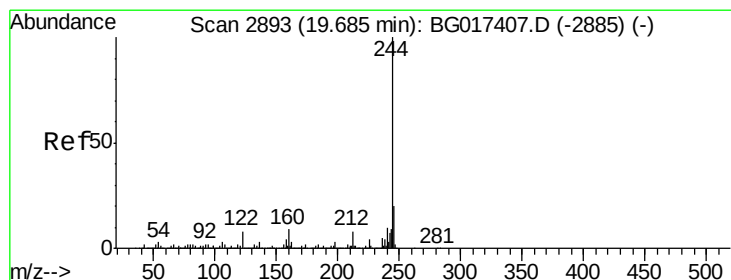
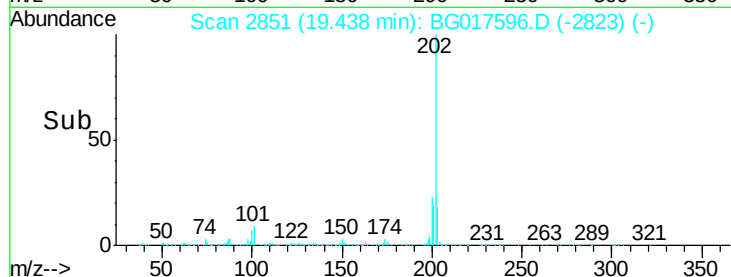
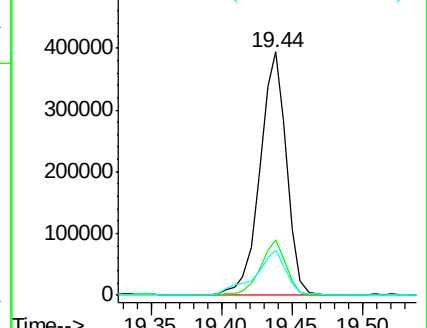
203 18.5 13.9 20.9



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: 16.51 ng

RT: 19.64 min Scan# 2885

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

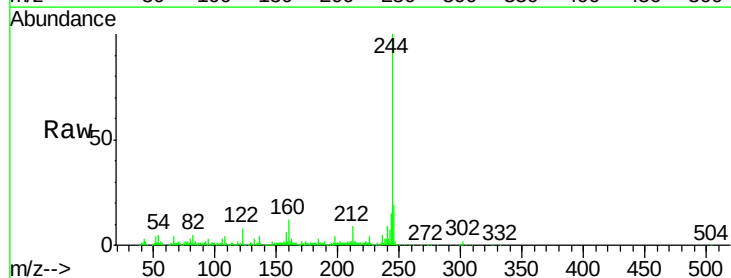
Tgt Ion:244 Resp: 101500

Ion Ratio Lower Upper

244 100

212 9.4 6.4 9.6

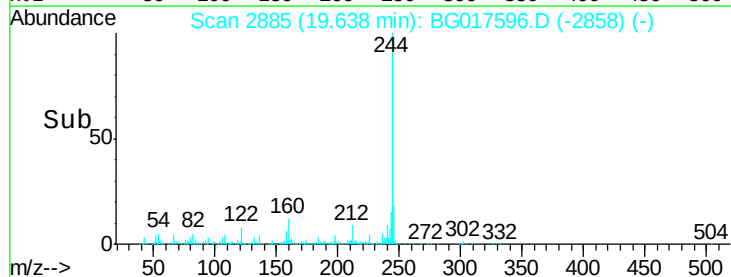
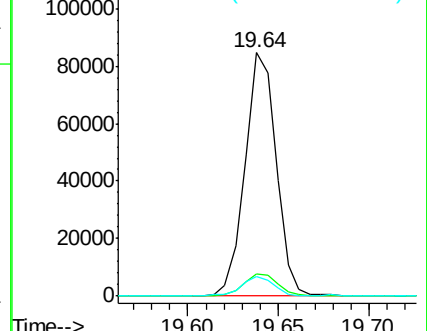
122 8.1 6.6 10.0

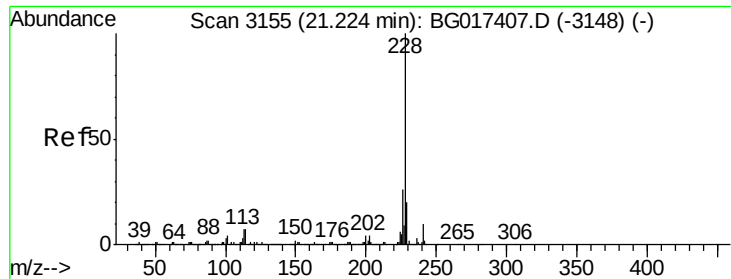


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 49.53 ng

RT: 21.19 min Scan# 3149

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

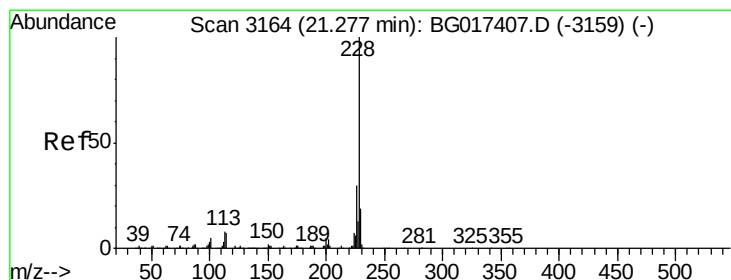
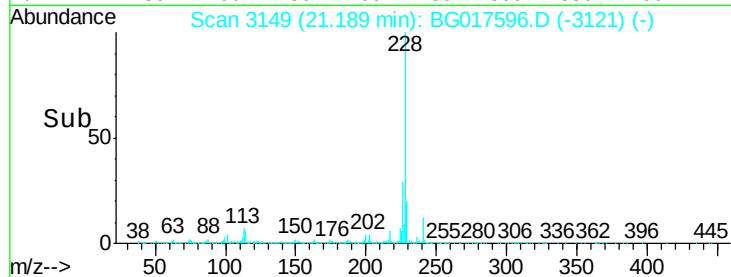
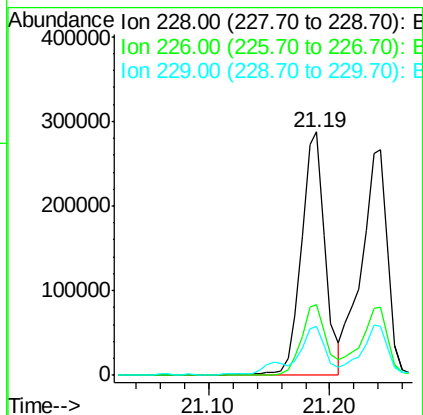
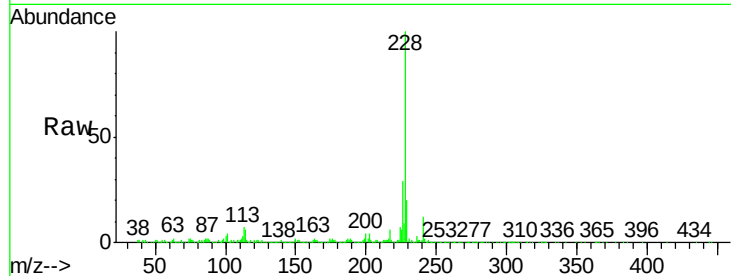
Tgt Ion:228 Resp: 387124

Ion Ratio Lower Upper

228 100

226 29.0 21.0 31.6

229 20.2 15.7 23.5



#82

Chrysene

Concen: 56.04 ng

RT: 21.24 min Scan# 3158

Delta R.T. -0.04 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

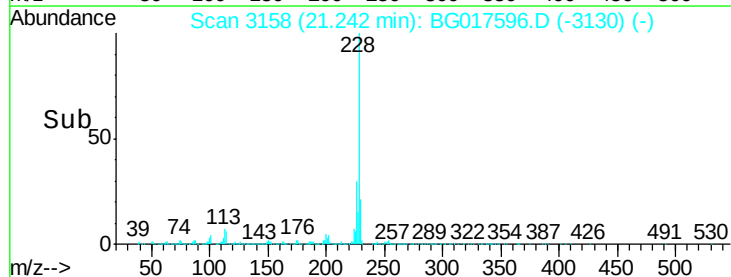
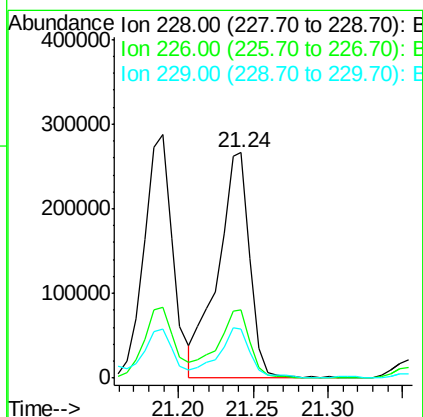
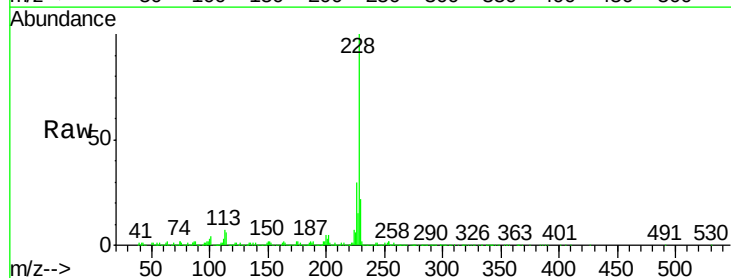
Tgt Ion:228 Resp: 396575

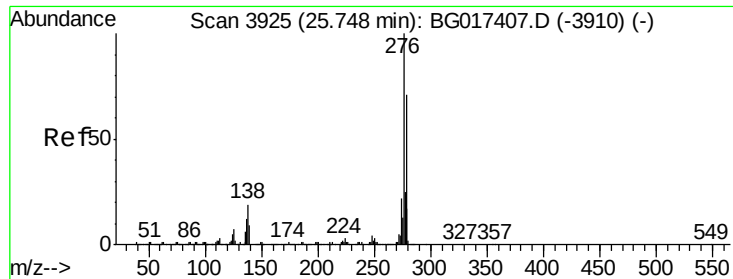
Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 21.7 15.2 22.8

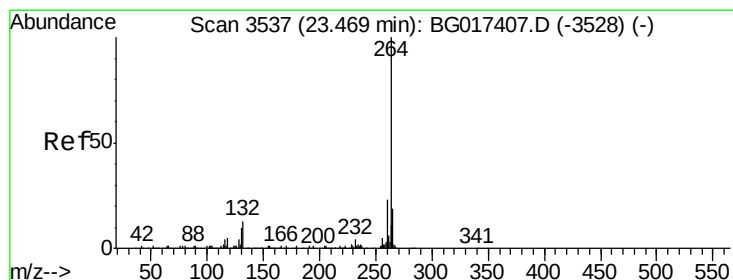
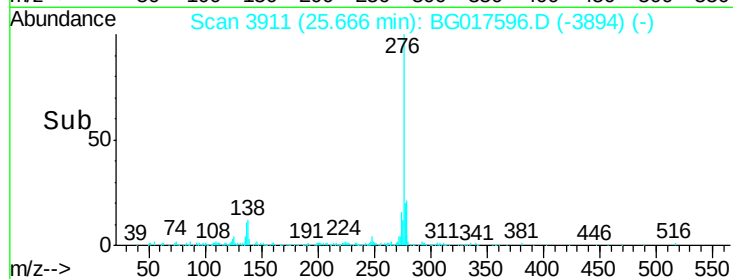
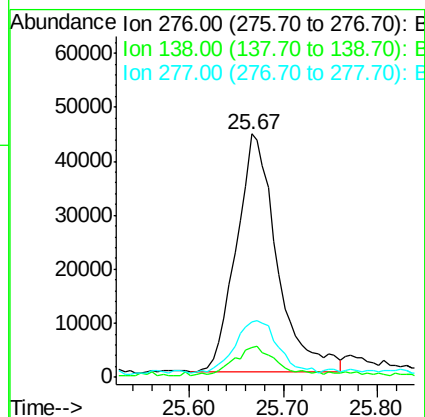
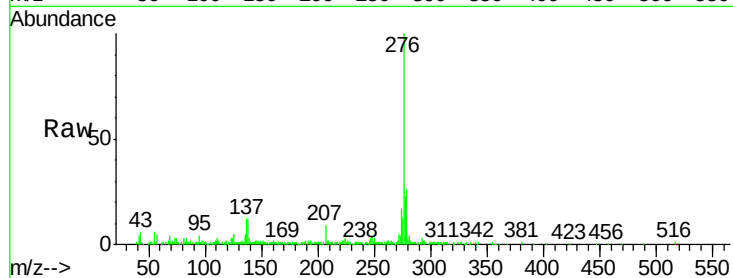




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.00 ng
 RT: 25.67 min Scan# 3911
 Delta R.T. -0.10 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

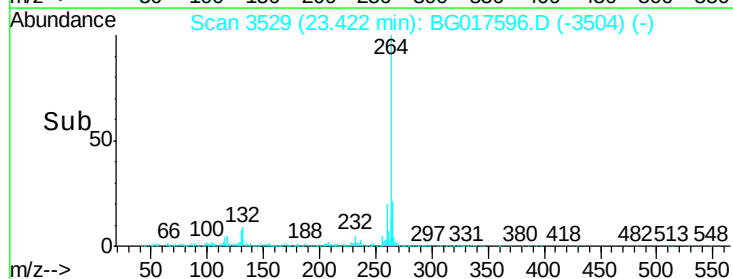
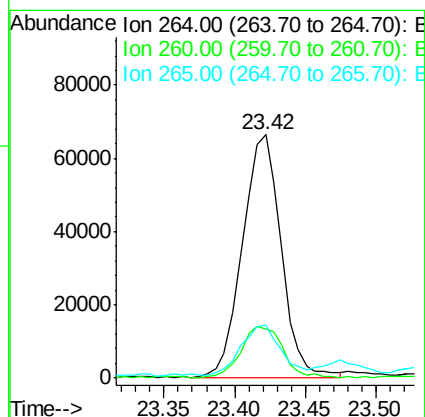
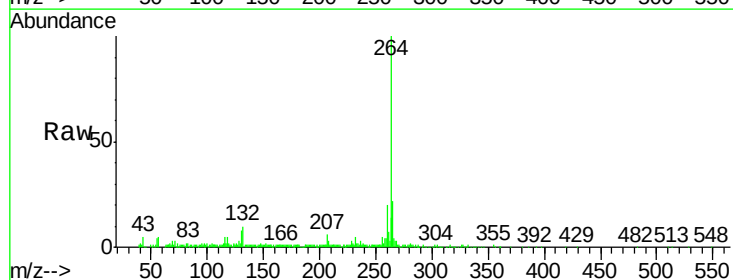
Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

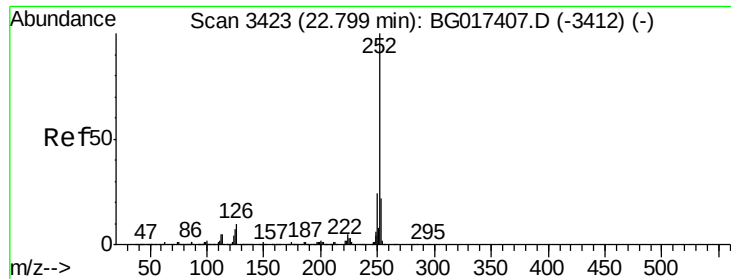
Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.1	15.4	23.0#
277	22.9	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.42 min Scan# 3529
 Delta R.T. -0.05 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.1	18.2	27.4
265	21.7	15.8	23.6

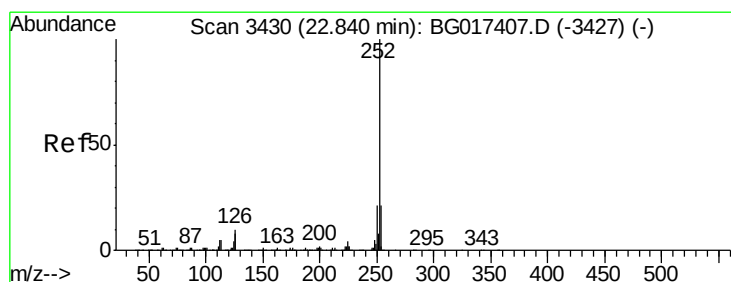
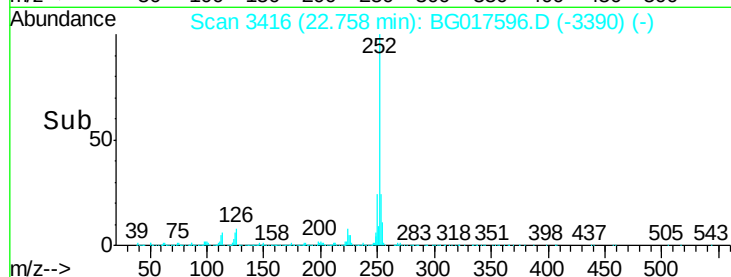
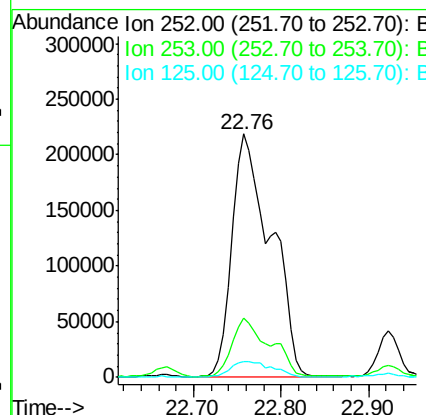
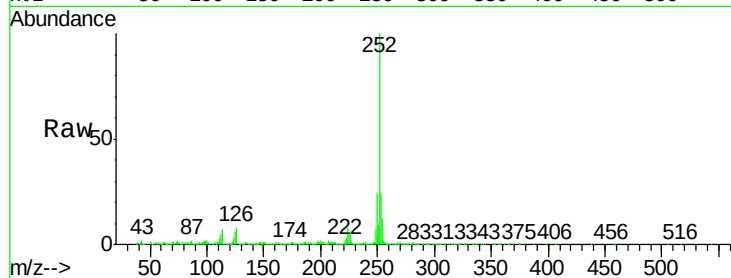




#87
 Benzo(b)fluoranthene
 Concen: 81.14 ng
 RT: 22.76 min Scan# 3416
 Delta R.T. -0.05 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

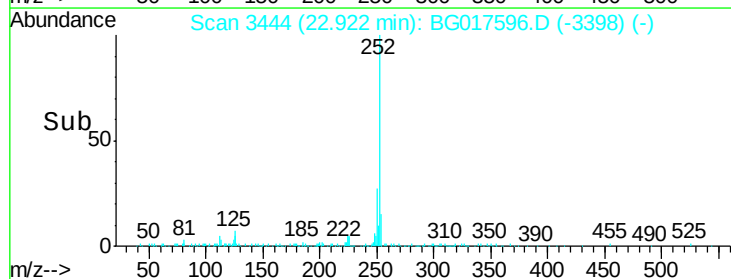
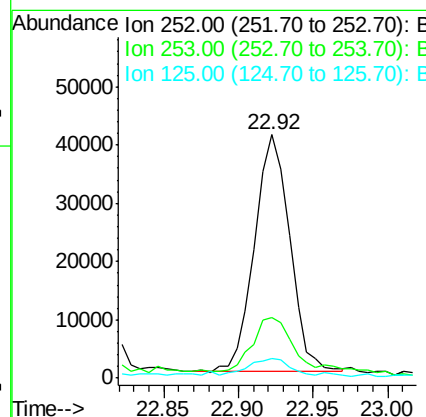
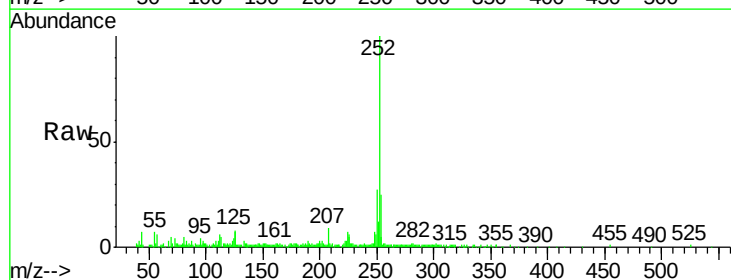
Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

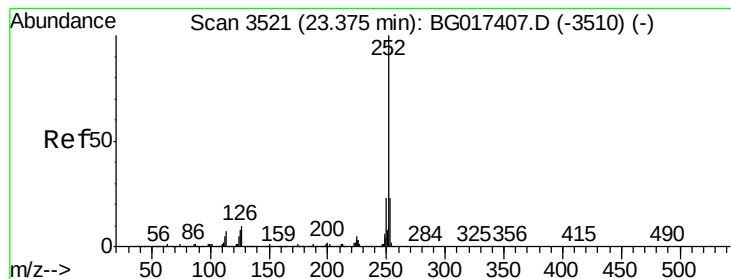
Tgt Ion:252 Resp: 660861
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.4 26.2
 125 6.3 5.8 8.8



#88
 Benzo(k)fluoranthene
 Concen: 8.45 ng
 RT: 22.92 min Scan# 3444
 Delta R.T. 0.07 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Tgt Ion:252 Resp: 65828
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 7.9 6.5 9.7





#89

Benzo(a)pyrene

Concen: 27.60 ng

RT: 23.23 min Scan# 3496

Delta R.T. -0.15 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL

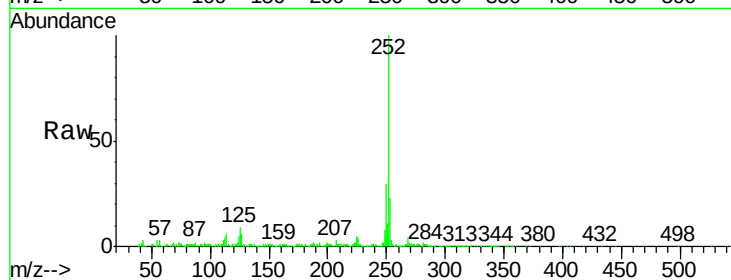
Tgt Ion:252 Resp: 206171

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

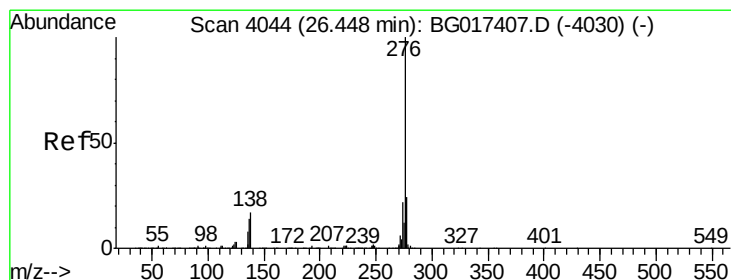
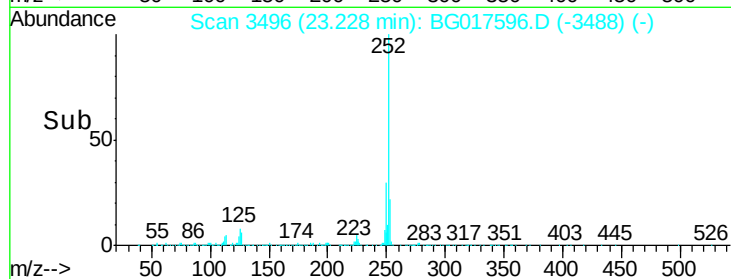
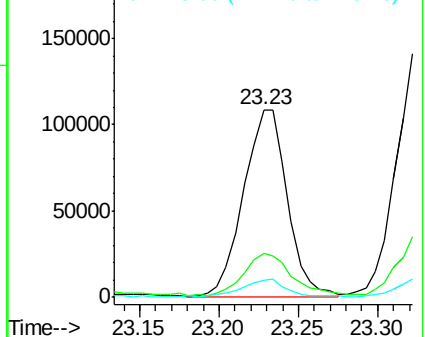
125 9.0 6.5 9.7



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



#91

Benzo(g,h,i)perylene

Concen: 14.66 ng

RT: 26.37 min Scan# 4030

Delta R.T. -0.11 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

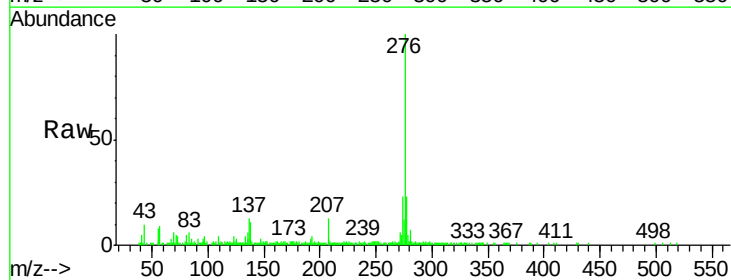
Tgt Ion:276 Resp: 108274

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 10.6 13.5 20.3#



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

