

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023169.D
 Acq On : 18 Jul 2016 21:57
 Operator : UM/SJ
 Sample : H4044-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

Quant Time: Jul 19 13:48:57 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 01:16:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	163103	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	716602	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	449242	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	934182	20.00	ng	0.00
75) Chrysene-d12	21.75	240	903114	20.00	ng	0.00
86) Perylene-d12	25.04	264	845442	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	709262	71.12	ng	0.00
7) Phenol-d6	7.27	99	1102480	70.58	ng	0.00
23) Nitrobenzene-d5	9.28	82	905615	54.11	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	397714	49.26	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	1602346	56.18	ng	0.00
78) Terphenyl-d14	20.08	244	1784869	54.35	ng	0.00

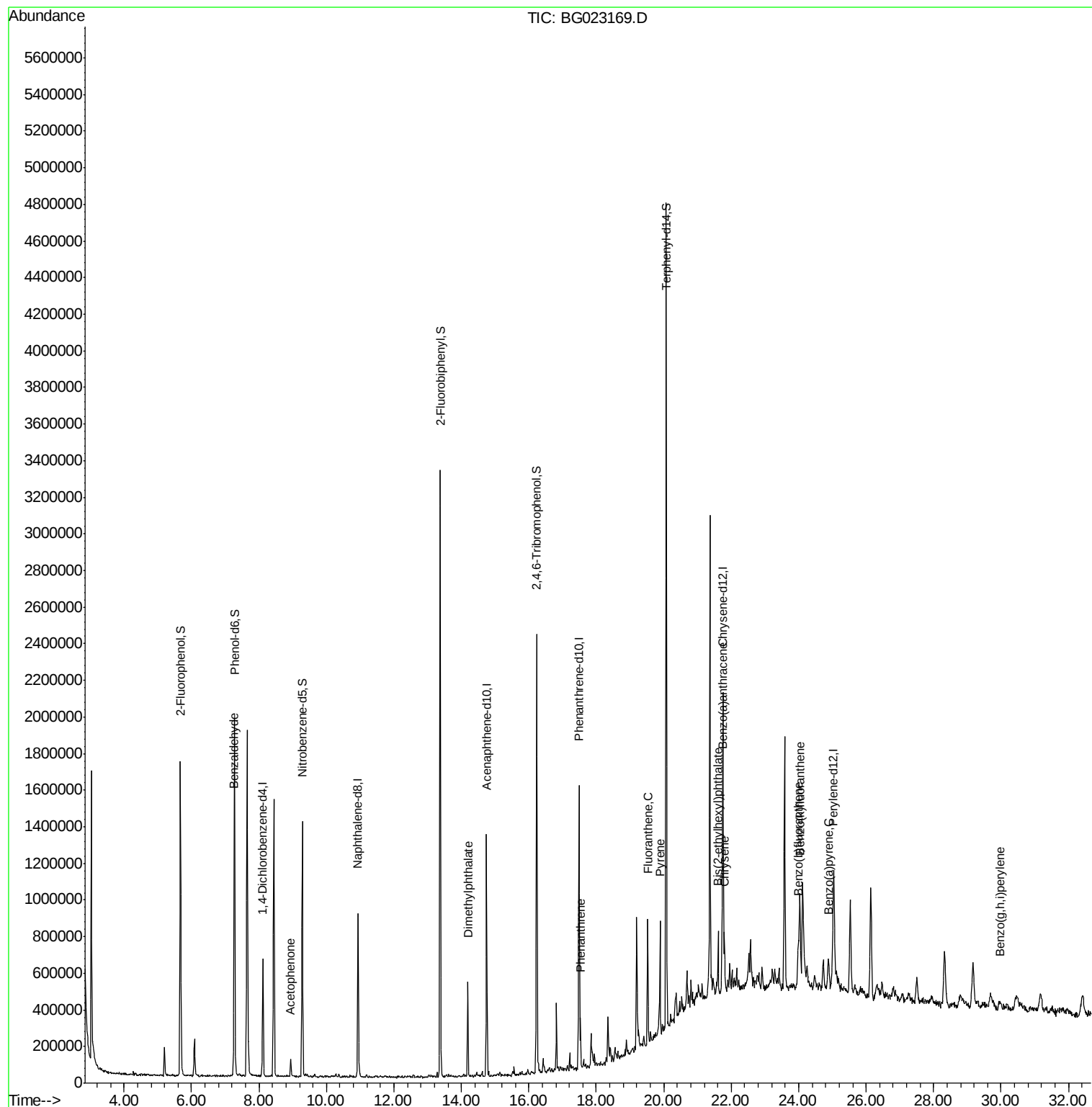
Target Compounds						Qvalue
9) Benzaldehyde	7.26	77	21995	2.11	ng	# 78
22) Acetophenone	8.94	105	53003	2.46	ng	# 85
49) Dimethylphthalate	14.19	163	292816	7.98	ng	99
70) Phenanthrene	17.53	178	162172	3.54	ng	95
74) Fluoranthene	19.52	202	415929	7.40	ng	93
77) Pyrene	19.89	202	391452	7.71	ng	94
80) Benzo(a)anthracene	21.73	228	218652m	4.33	ng	
82) Chrysene	21.80	228	254946m	5.38	ng	
83) Bis(2-ethylhexyl)phthalate	21.61	149	128613m	4.61	ng	
87) Benzo(b)fluoranthene	23.99	252	349563	7.17	ng	# 97
88) Benzo(k)fluoranthene	24.05	252	127979m	2.76	ng	
89) Benzo(a)pyrene	24.88	252	203035	4.34	ng	# 94
91) Benzo(g,h,i)perylene	29.97	276	103237	2.22	ng	# 95

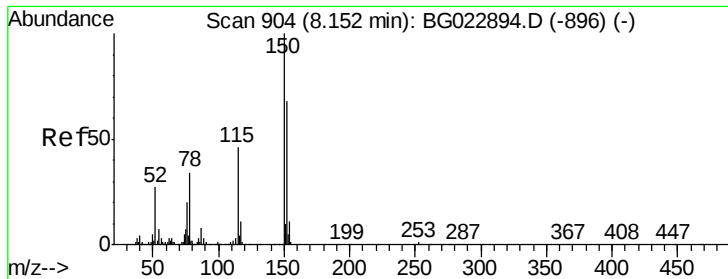
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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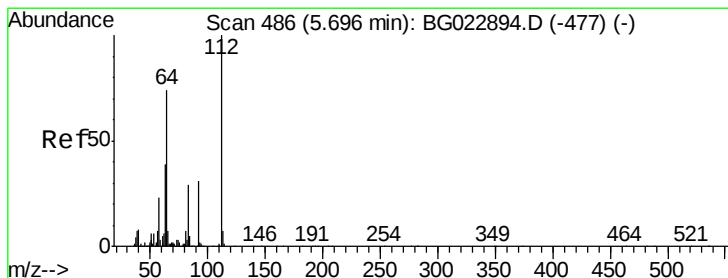
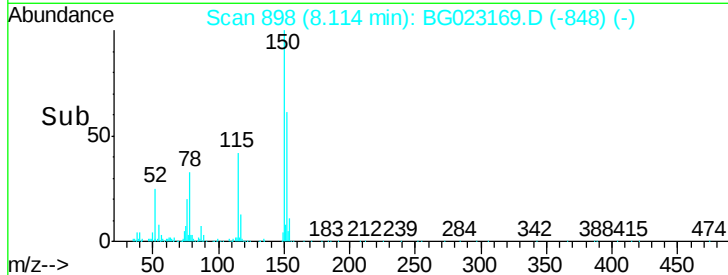
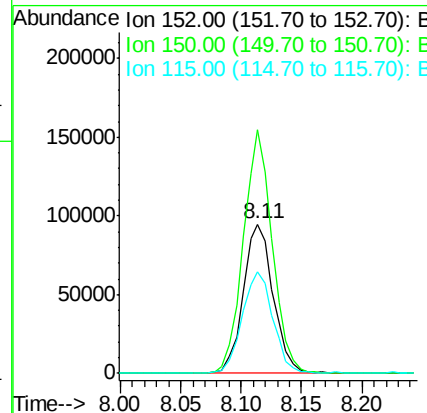
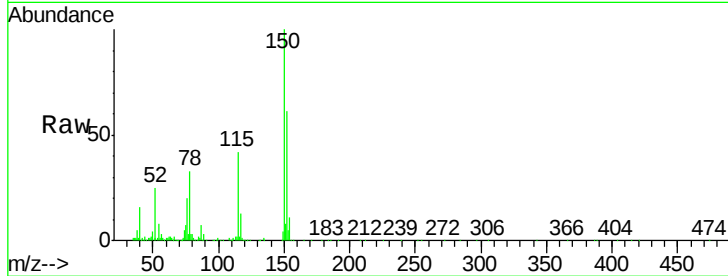


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 898
Delta R.T. -0.01 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Instrument :
BNA_G
ClientSampleId :
F9-B2(0-6)C

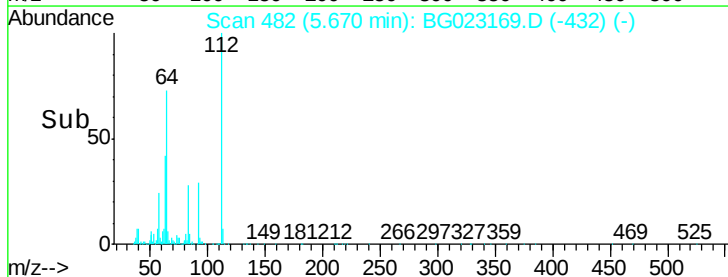
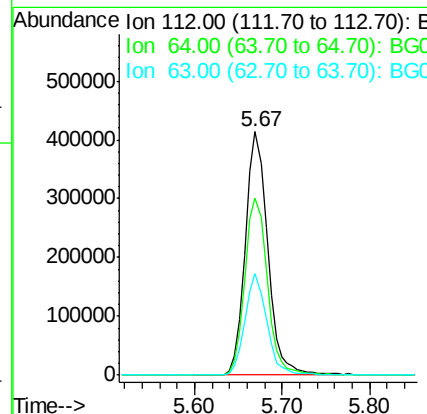
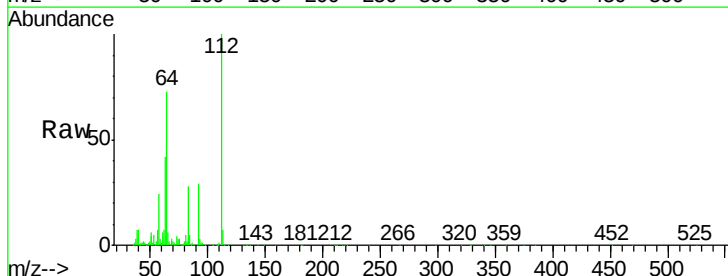
Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.3	144.7	217.1
115	68.3	64.0	96.0

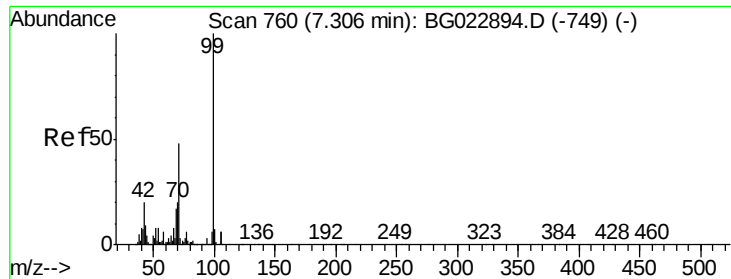


#5

2-Fluorophenol
Concen: 71.12 ng
RT: 5.67 min Scan# 482
Delta R.T. -0.01 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	59.0	88.4
63	41.6	37.8	56.8





#7

Phenol-d6

Concen: 70.58 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.01 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

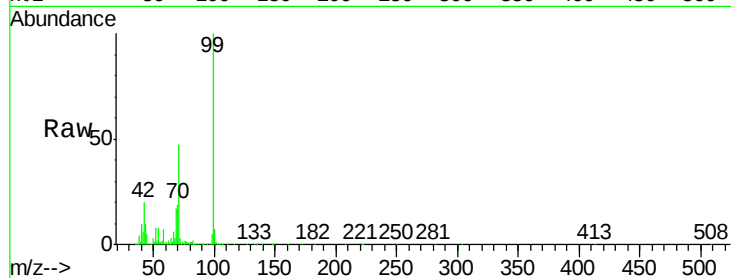
Tgt Ion: 99 Resp: 1102480

Ion Ratio Lower Upper

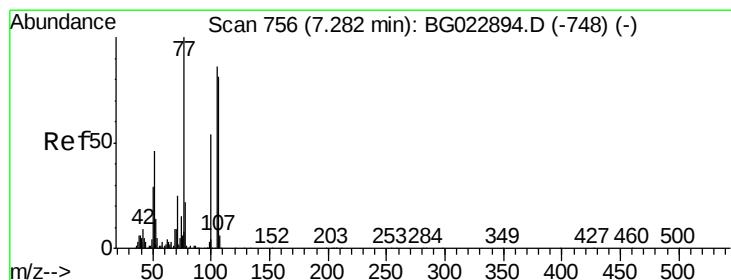
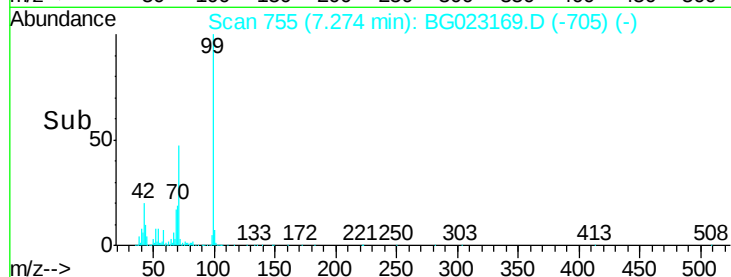
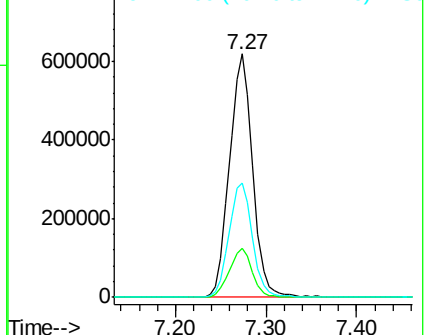
99 100

42 20.1 17.8 26.6

71 47.2 41.5 62.3



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



#9

Benzaldehyde

Concen: 2.11 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

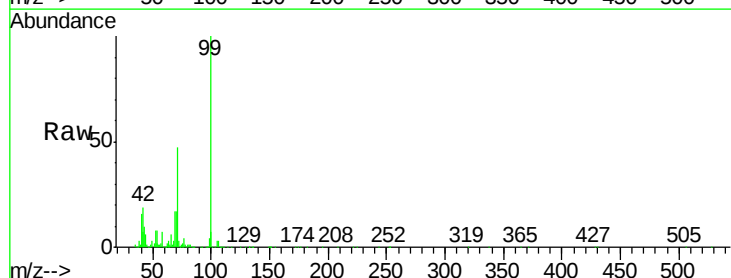
Tgt Ion: 77 Resp: 21995

Ion Ratio Lower Upper

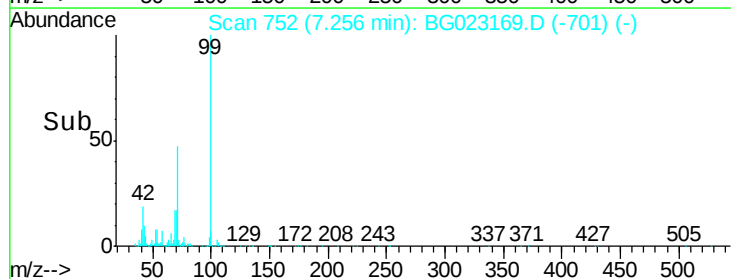
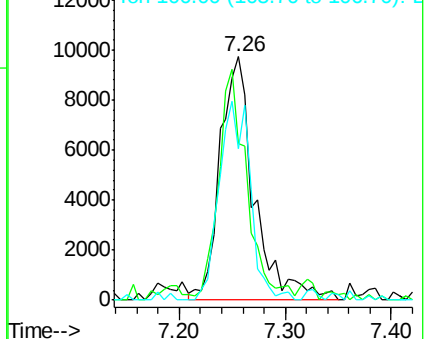
77 100

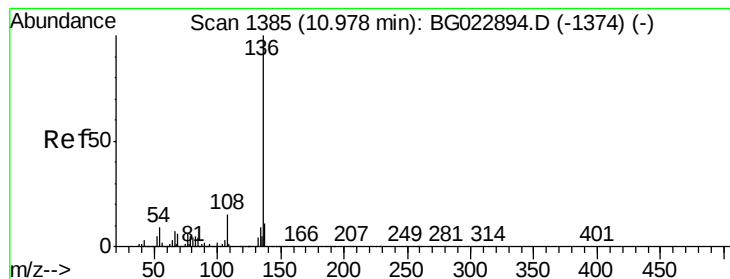
105 64.1 58.7 98.7

106 62.3 67.5 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

Tgt Ion:136 Resp: 716602

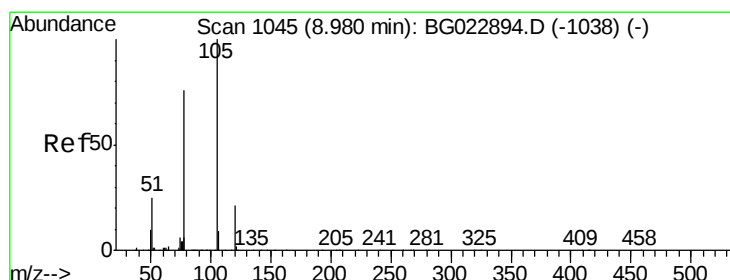
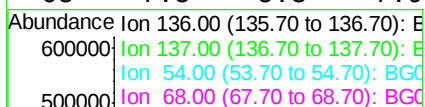
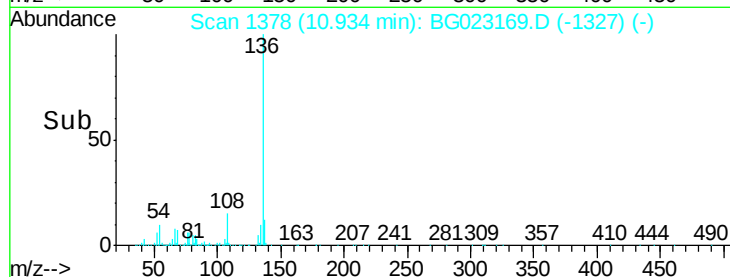
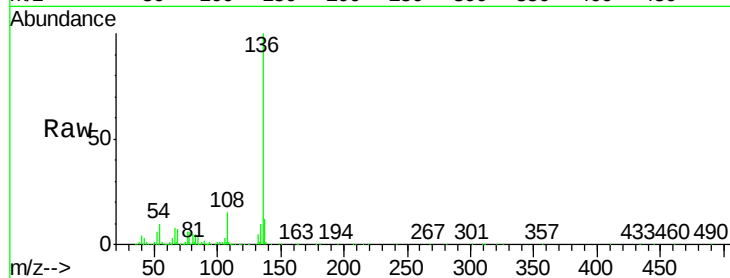
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 10.0 7.3 10.9

68 7.5 5.3 7.9



#22

Acetophenone

Concen: 2.46 ng

RT: 8.94 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Tgt Ion:105 Resp: 53003

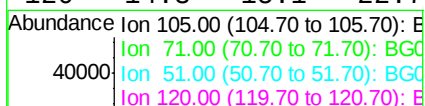
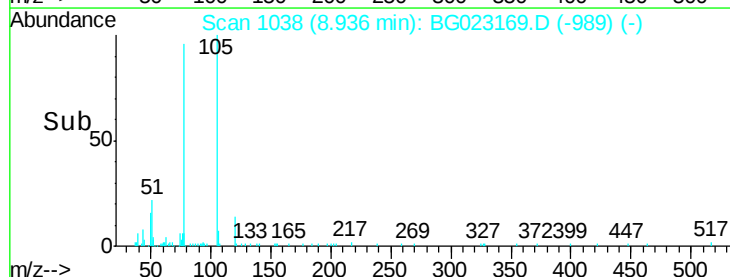
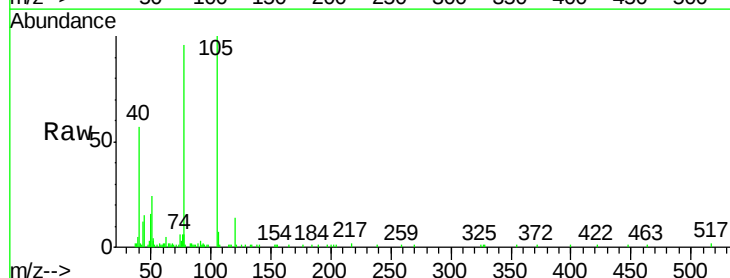
Ion Ratio Lower Upper

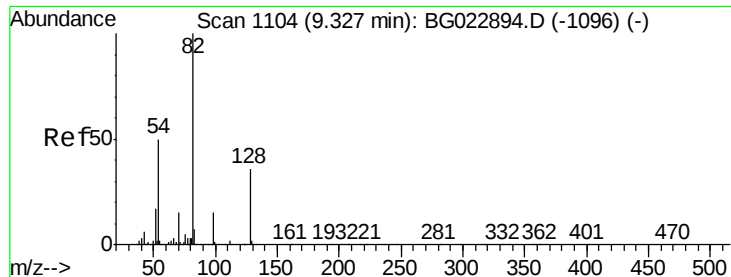
105 100

71 0.7 2.6 3.8#

51 23.7 27.1 40.7#

120 14.3 15.1 22.7#

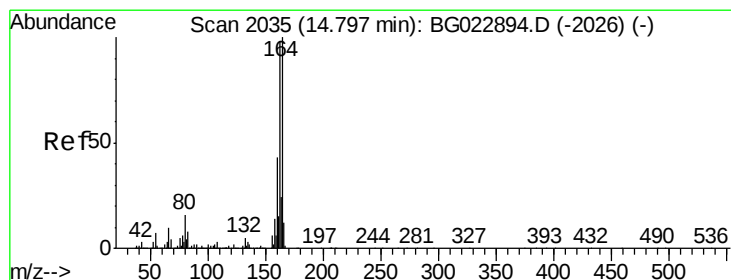
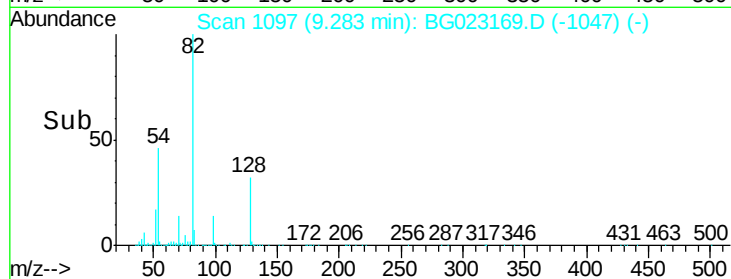
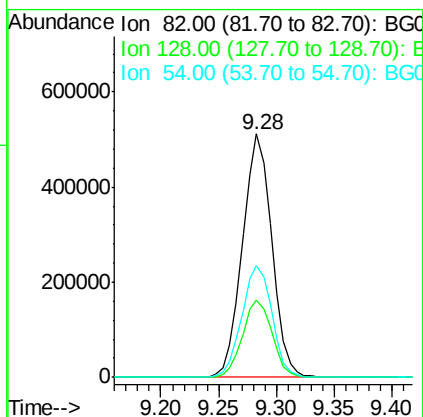
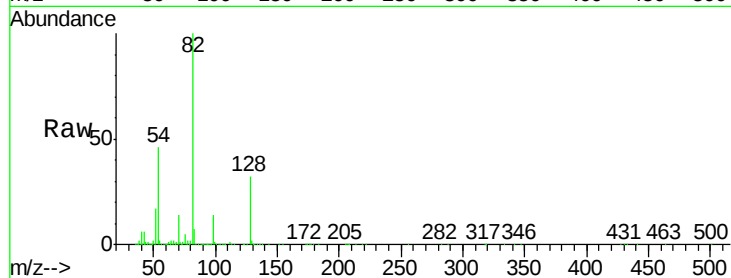




#23
 Nitrobenzene-d5
 Concen: 54.11 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

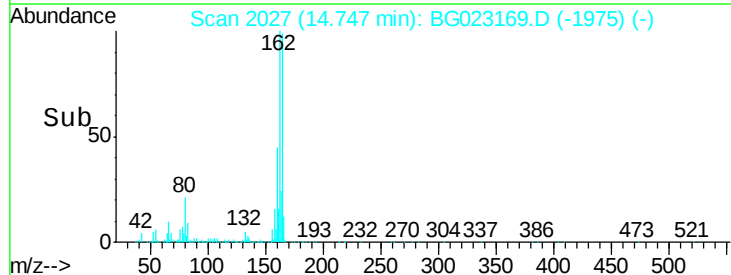
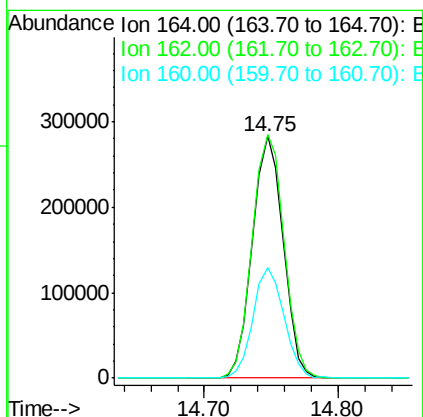
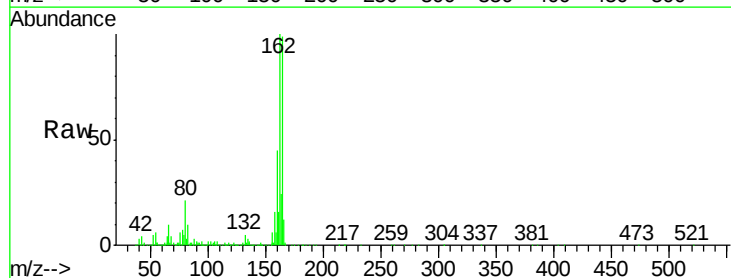
Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

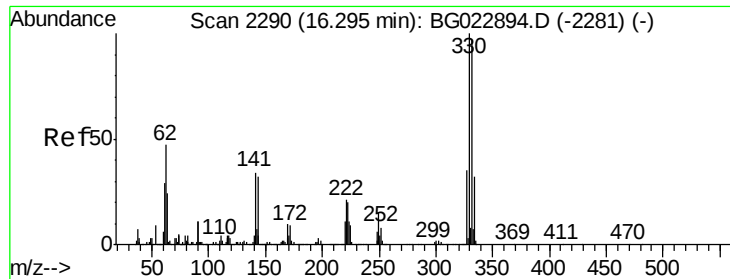
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.5	24.4	36.6
54	46.2	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	87.7	131.5
160	45.7	37.2	55.8

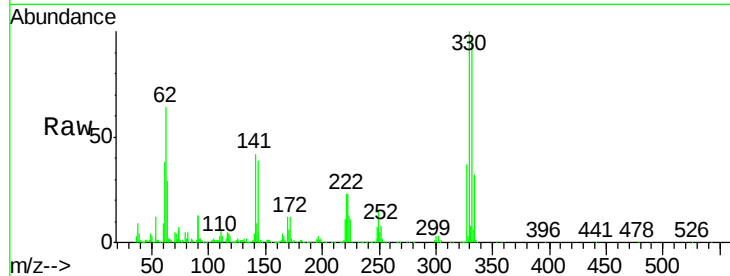




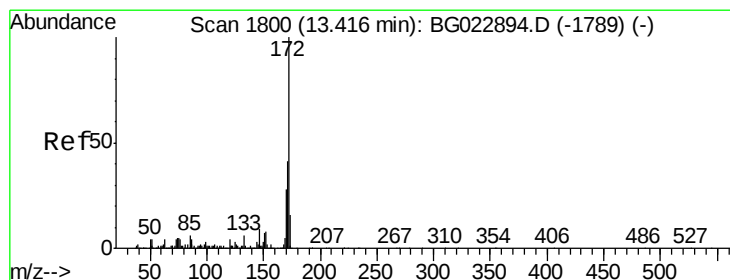
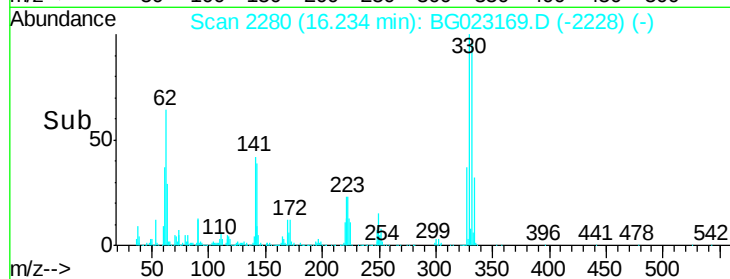
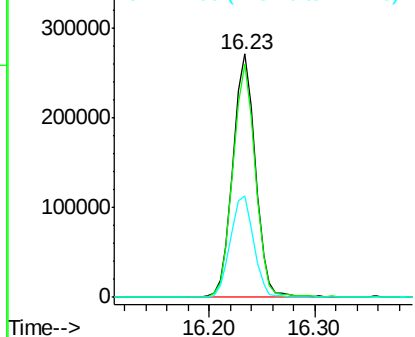
#41
 2,4,6-Tribromophenol
 Concen: 49.26 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Instrument :
 BNA_G
 ClientSampleId :
 F9-B2(0-6)C

Tgt Ion:330 Resp: 397714
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.4 116.2
 141 43.2 31.7 47.5

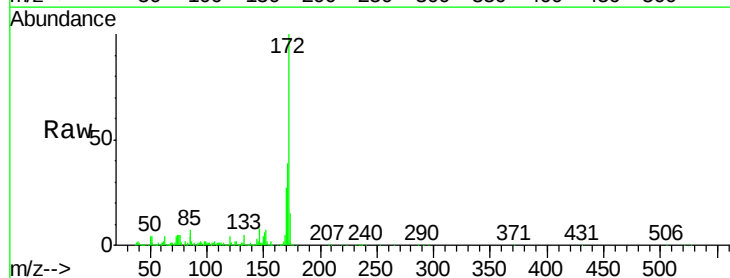


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

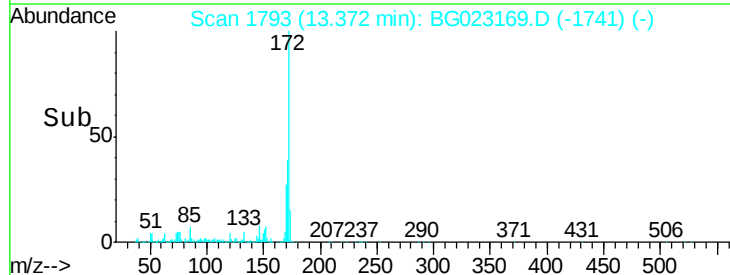
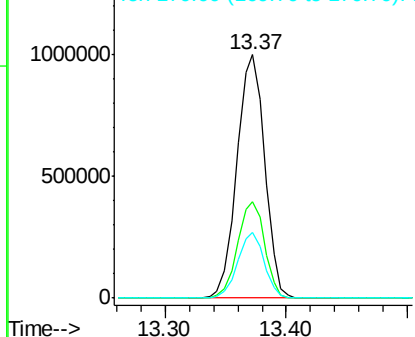


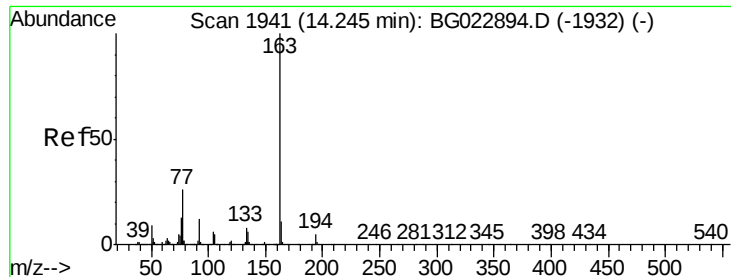
#44
 2-Fluorobiphenyl
 Concen: 56.18 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BG023169.D
 Acq: 18 Jul 2016 21:57

Tgt Ion:172 Resp: 1602346
 Ion Ratio Lower Upper
 172 100
 171 39.5 31.6 47.4
 170 26.9 21.3 31.9



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: 7.98 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

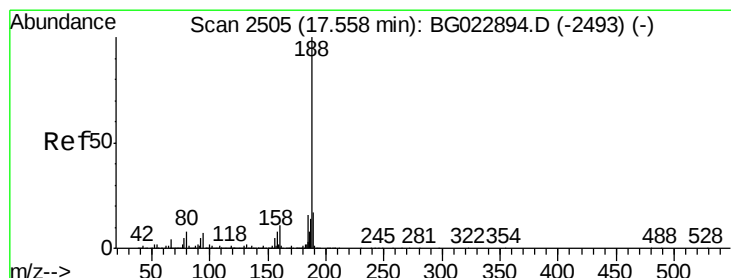
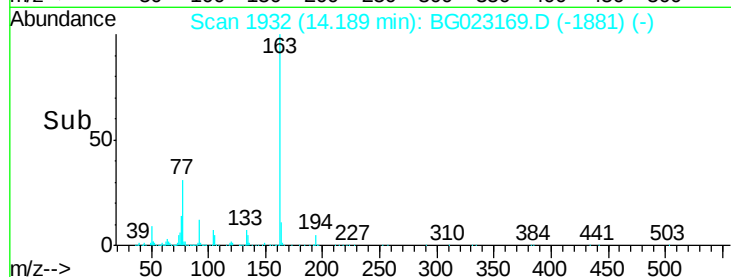
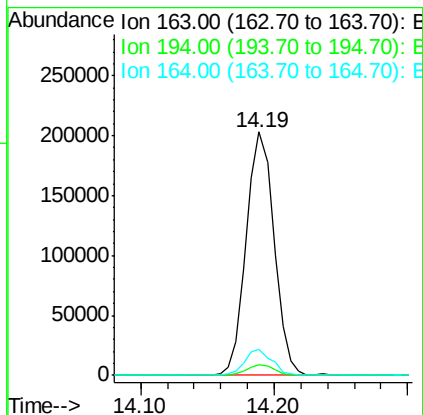
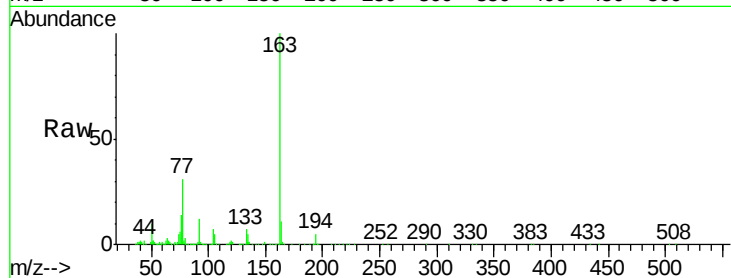
Instrument :

BNA_G

ClientSampled :

F9-B2(0-6)C

Tgt Ion:	163	Resp:	292816
Ion Ratio		Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.8	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

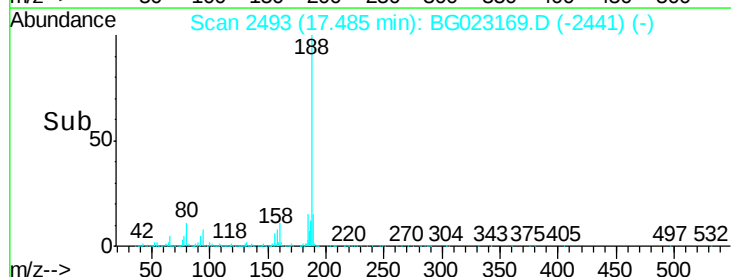
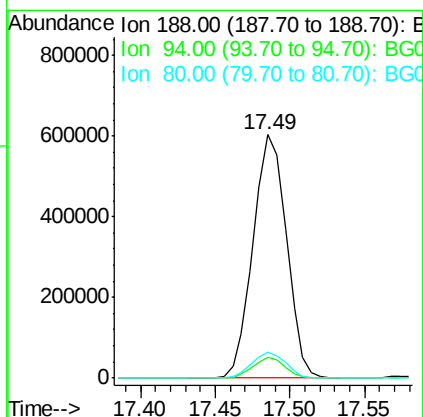
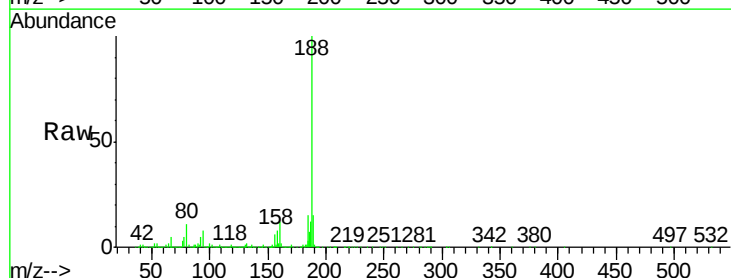
RT: 17.49 min Scan# 2493

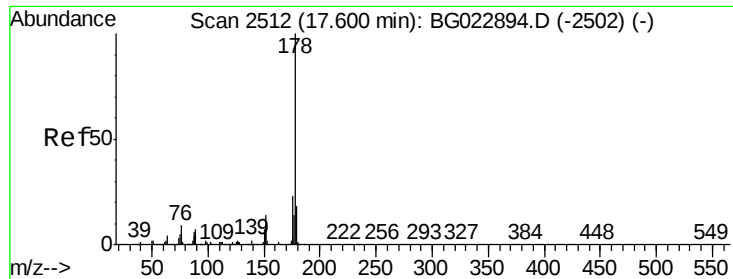
Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Tgt Ion:	188	Resp:	934182
Ion Ratio		Lower	Upper
188	100		
94	8.4	5.2	7.8#
80	10.8	7.2	10.8





#70

Phenanthrene

Concen: 3.54 ng

RT: 17.53 min Scan# 2500

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

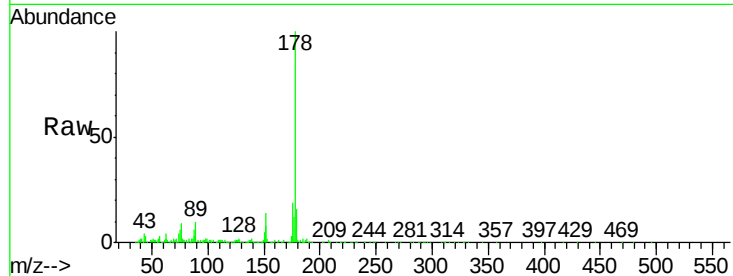
Tgt Ion:178 Resp: 162172

Ion Ratio Lower Upper

178 100

176 18.8 16.8 25.2

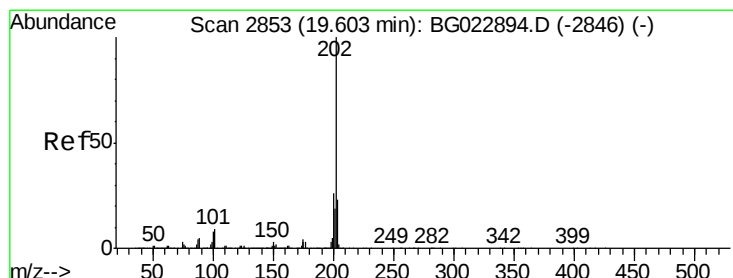
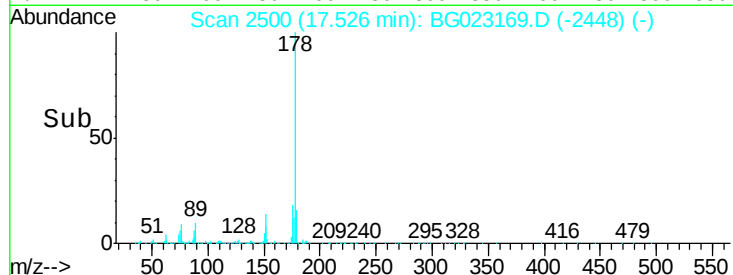
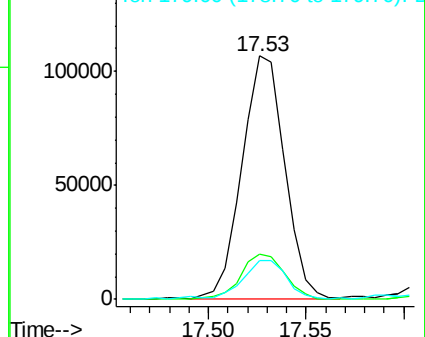
179 16.0 14.3 21.5



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: 7.40 ng

RT: 19.52 min Scan# 2840

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

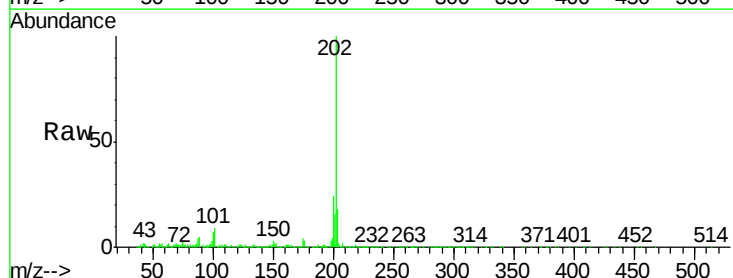
Tgt Ion:202 Resp: 415929

Ion Ratio Lower Upper

202 100

101 9.2 0.0 27.4

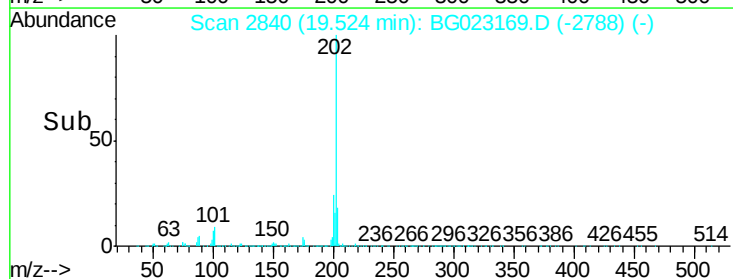
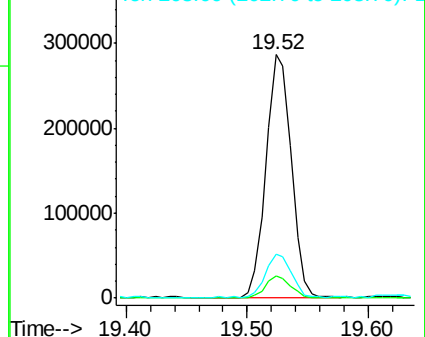
203 18.1 1.7 41.7

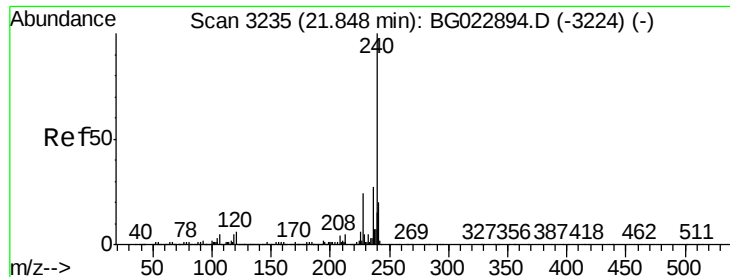


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.75 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

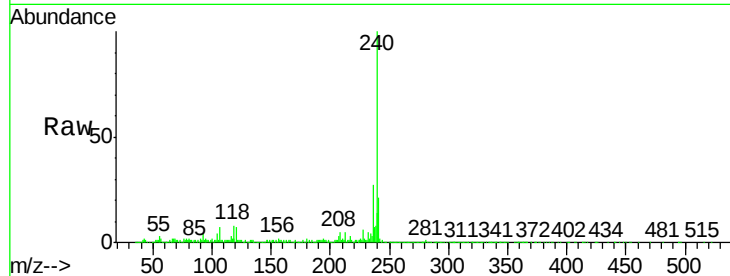
Tgt Ion:240 Resp: 903114

Ion Ratio Lower Upper

240 100

120 7.4 4.1 6.1#

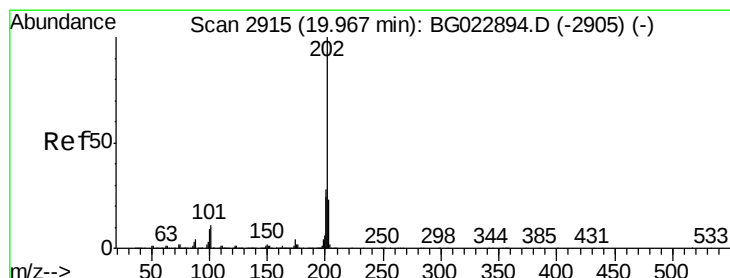
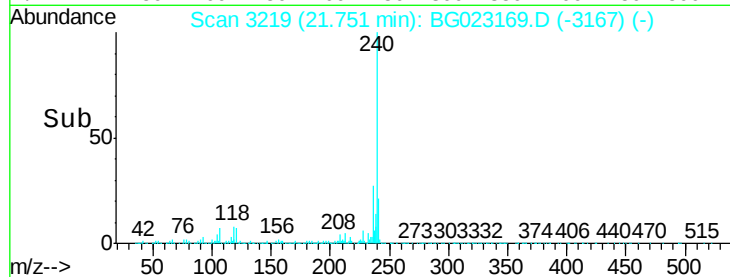
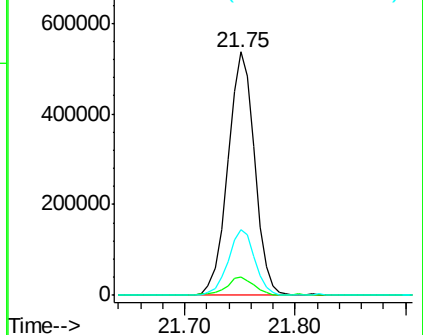
236 26.7 21.1 31.7



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: 7.71 ng

RT: 19.89 min Scan# 2902

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

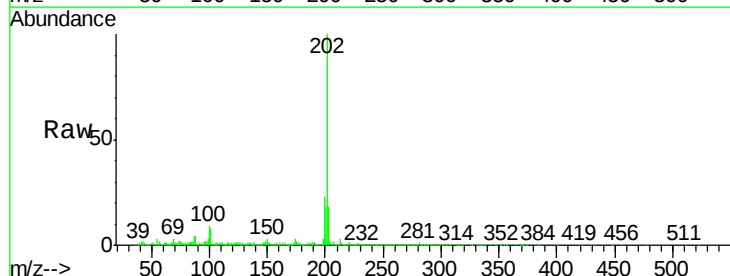
Tgt Ion:202 Resp: 391452

Ion Ratio Lower Upper

202 100

200 23.3 21.2 31.8

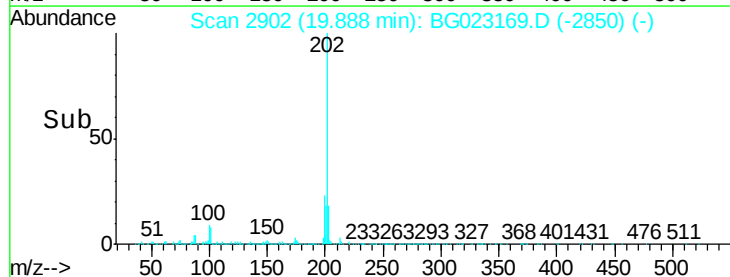
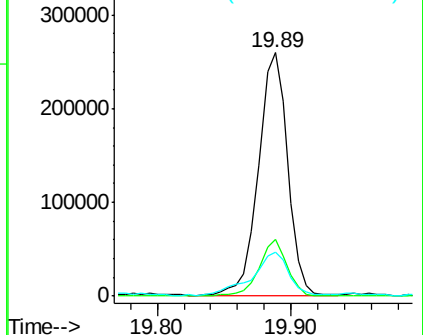
203 18.3 16.8 25.2

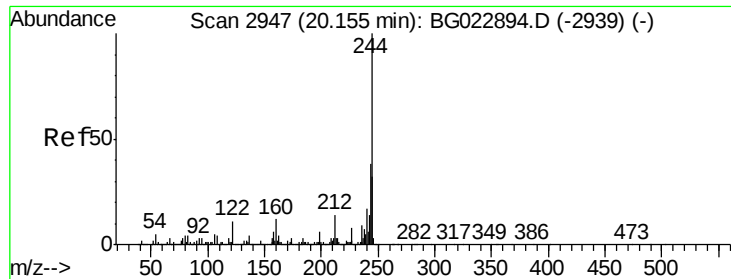


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.35 ng

RT: 20.08 min Scan# 2934

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

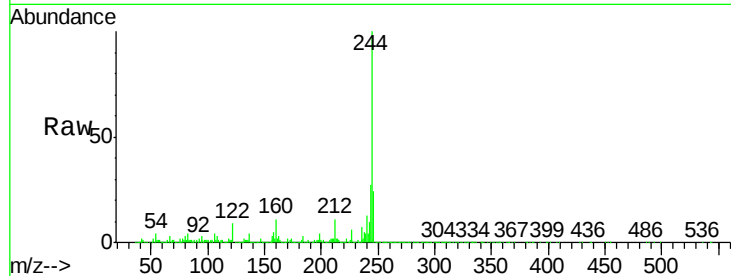
Tgt Ion:244 Resp: 1784869

Ion Ratio Lower Upper

244 100

212 11.3 10.8 16.2

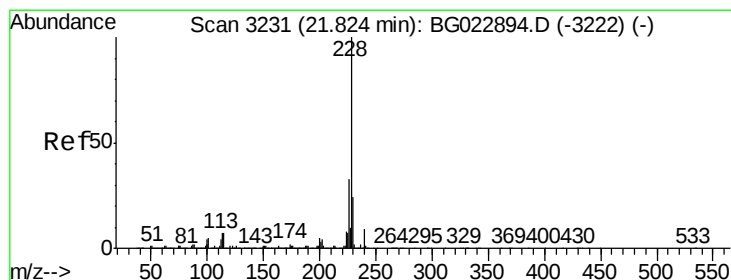
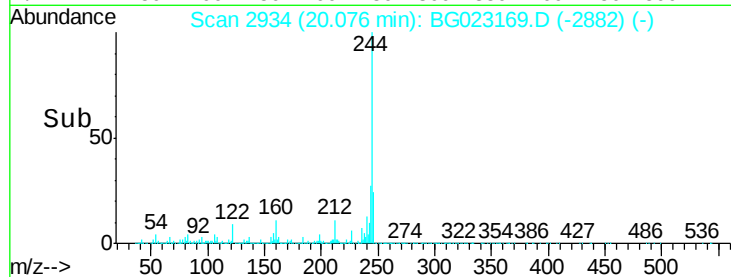
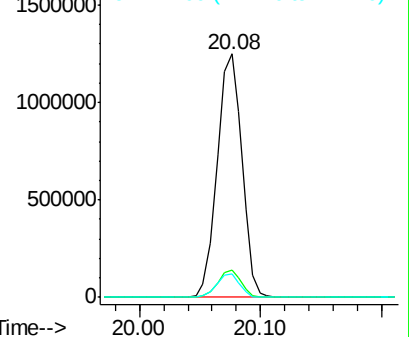
122 9.5 8.0 12.0



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: 4.33 ng m

RT: 21.73 min Scan# 3216

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

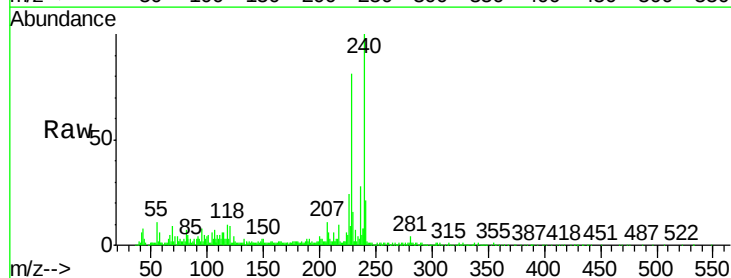
Tgt Ion:228 Resp: 218652

Ion Ratio Lower Upper

228 100

226 29.9 25.3 37.9

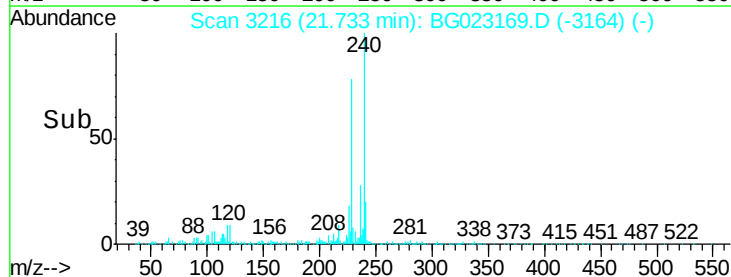
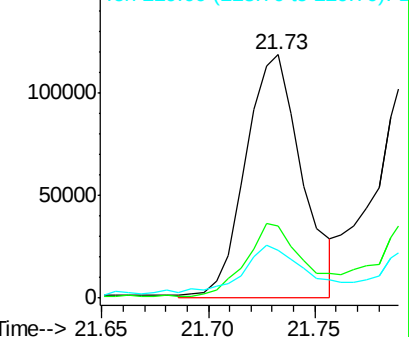
229 19.6 19.9 29.9#

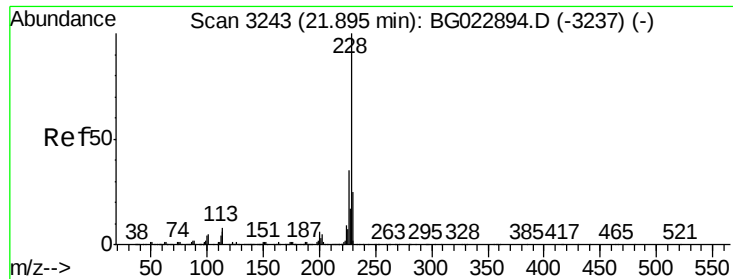


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.38 ng m

RT: 21.80 min Scan# 3227

Delta R.T. 0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

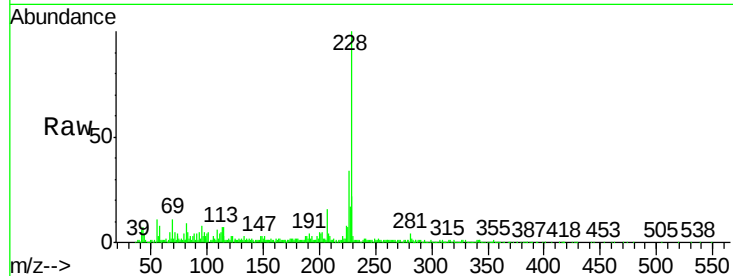
Tgt Ion:228 Resp: 254946

Ion Ratio Lower Upper

228 100

226 34.3 26.7 40.1

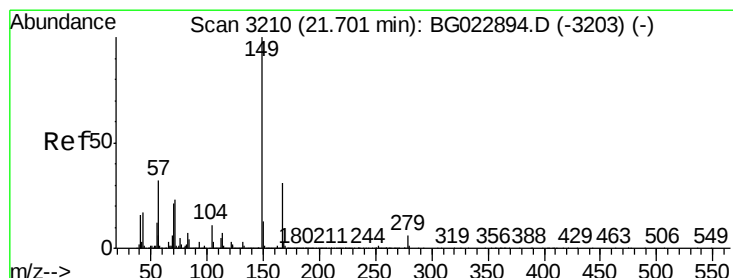
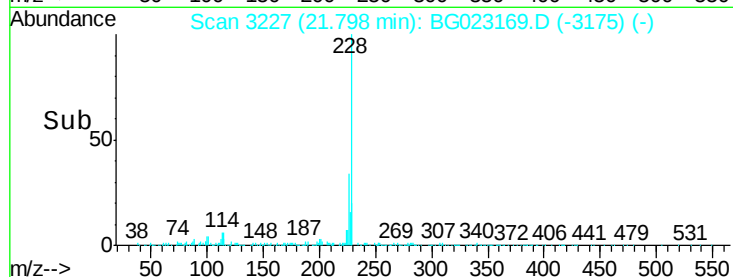
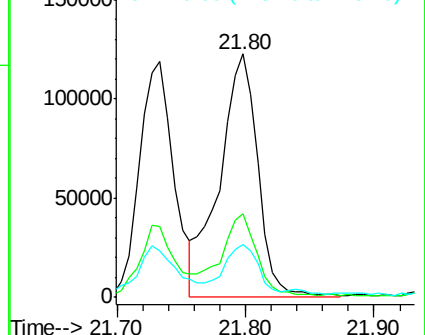
229 21.6 17.4 26.2



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: 4.61 ng m

RT: 21.61 min Scan# 3195

Delta R.T. 0.01 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

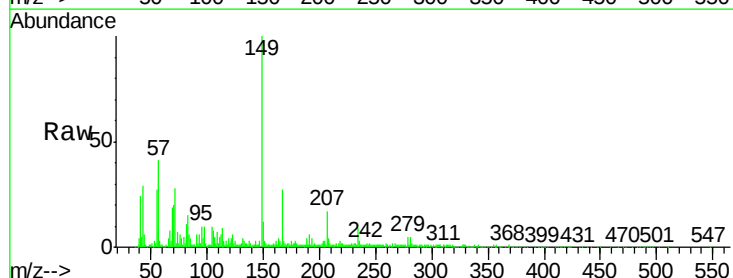
Tgt Ion:149 Resp: 128613

Ion Ratio Lower Upper

149 100

167 27.4 24.0 36.0

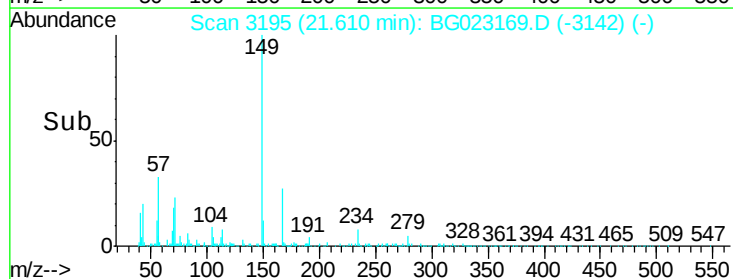
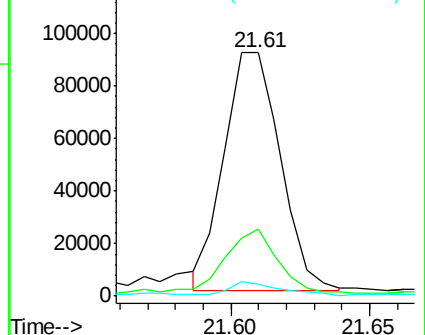
279 4.7 4.8 7.2#

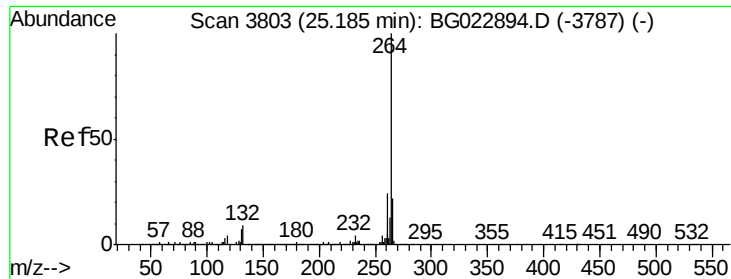


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

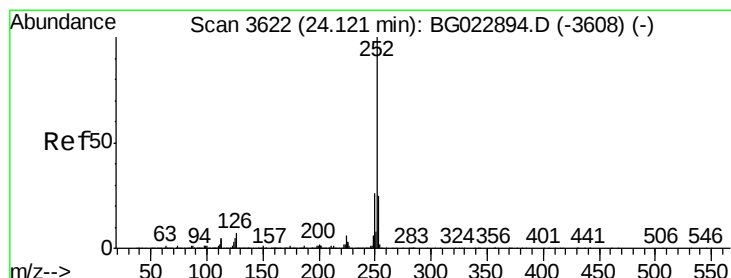
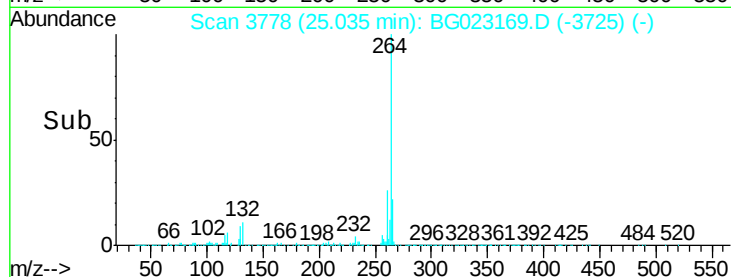
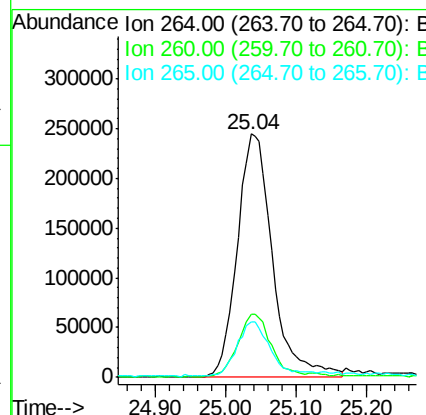
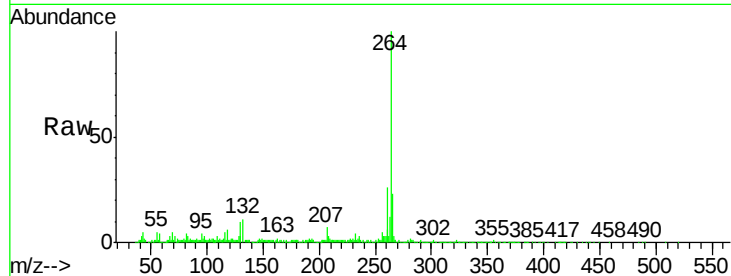




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. 0.01 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

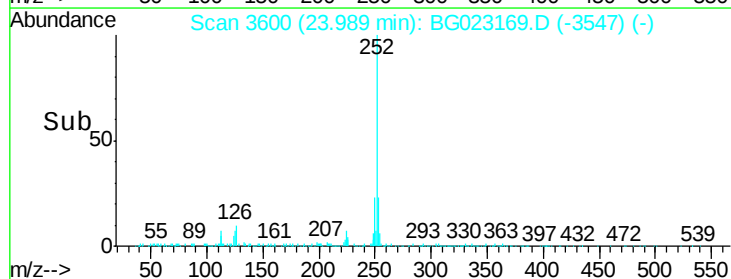
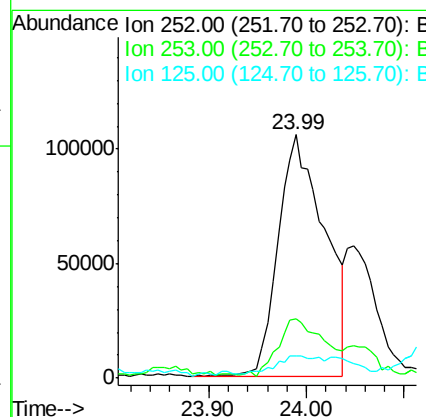
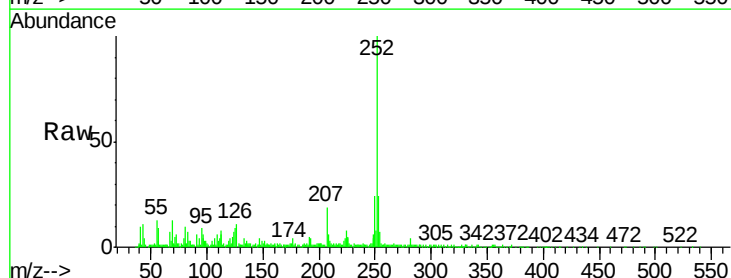
Instrument :
BNA_G
ClientSampleId :
F9-B2(0-6)C

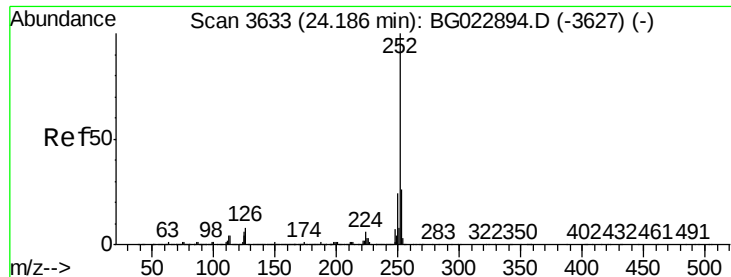
Tgt Ion:	264	Resp:	845442
Ion Ratio	Lower	Upper	
264	100		
260	25.9	18.4	27.6
265	22.8	18.9	28.3



#87
Benzo(b)fluoranthene
Concen: 7.17 ng
RT: 23.99 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BG023169.D
Acq: 18 Jul 2016 21:57

Tgt Ion:	252	Resp:	349563
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.9	28.3
125	9.2	3.9	5.9#





#88

Benzo(k)fluoranthene

Concen: 2.76 ng m

RT: 24.05 min Scan# 3610

Delta R.T. -0.00 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

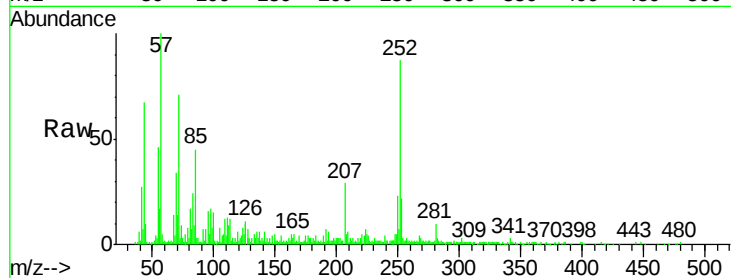
Tgt Ion:252 Resp: 127979

Ion Ratio Lower Upper

252 100

253 24.7 18.8 28.2

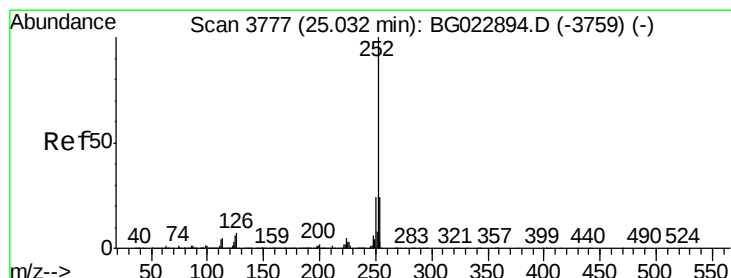
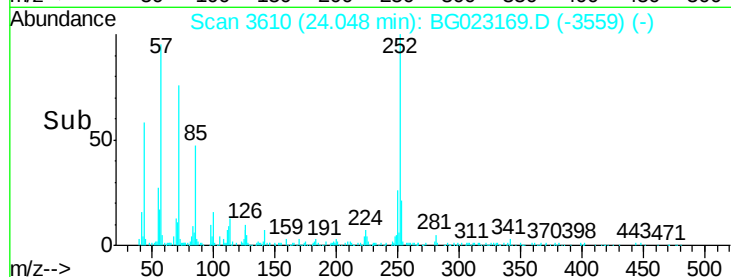
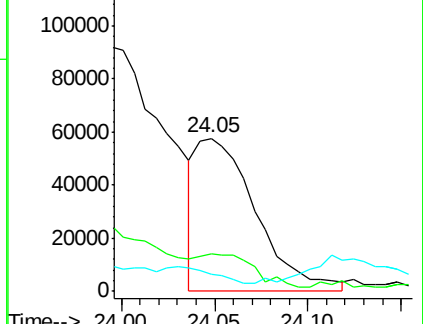
125 11.3 3.2 4.8#



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



#89

Benzo(a)pyrene

Concen: 4.34 ng

RT: 24.88 min Scan# 3752

Delta R.T. 0.01 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

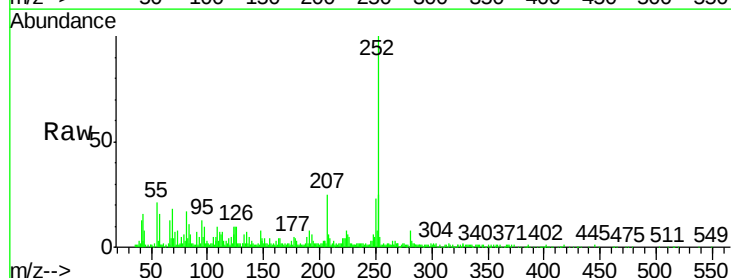
Tgt Ion:252 Resp: 203035

Ion Ratio Lower Upper

252 100

253 25.2 18.7 28.1

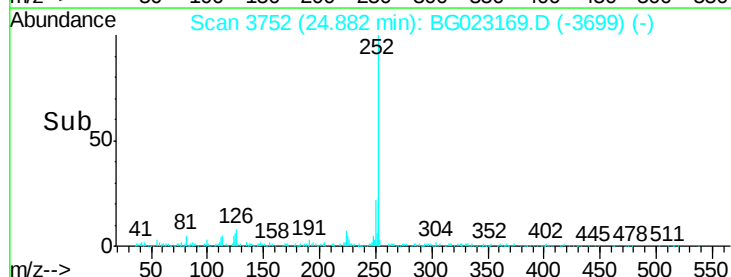
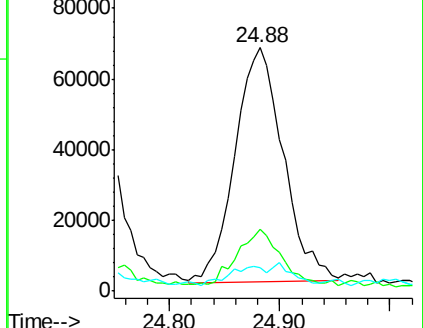
125 9.5 3.9 5.9#

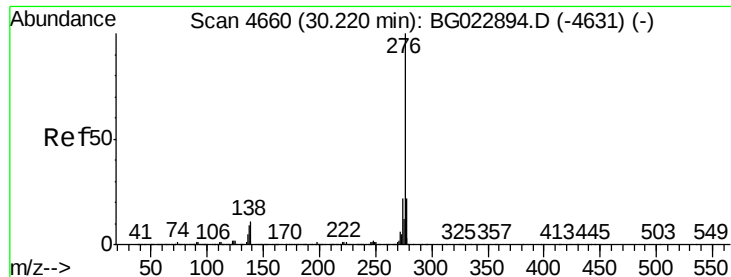


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.22 ng

RT: 29.97 min Scan# 4618

Delta R.T. 0.01 min

Lab File: BG023169.D

Acq: 18 Jul 2016 21:57

Instrument :

BNA_G

ClientSampleId :

F9-B2(0-6)C

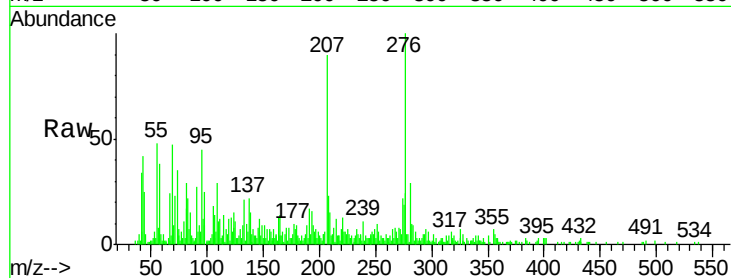
Tgt Ion: 276 Resp: 103237

Ion Ratio Lower Upper

276 100

277 23.6 18.6 27.8

138 14.8 6.8 10.2#



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

