

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023670.D
 Acq On : 13 Aug 2016 00:06
 Operator : UM/SJ
 Sample : H4385-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-0002-01

Quant Time: Aug 13 03:23:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	119294	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	533765	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	352034	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.65	188	1247745	20.00	ng/ul	0.09
75) Chrysene-d12	22.03	240	1582	20.00	ng/ul	0.13
83) Perylene-d12	25.29	264	786711	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	13591	4.84	ng/uL	0.00
5) Phenol-d5	7.27	99	349249	29.06	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	233220	30.29	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	254917	31.09	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	268141	28.58	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	132984	31.61	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	163811	33.90	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	288204	31.62	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	298079	27.87	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	937729	32.53	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	1116461	34.42	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.01	143	132495	26.93	ng/ul	-0.01
57) Fluorene-d10	15.78	176	851934	31.99	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	16.01	200	328	0.04	ng/ul	0.08
70) Anthracene-d10	17.65	188	1247745	22.20	ng/ul	-0.01
76) Pyrene-d10	19.95	212	1317993	16458.63	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.05	264	1345841	37.79	ng/ul	-0.04

Target Compounds

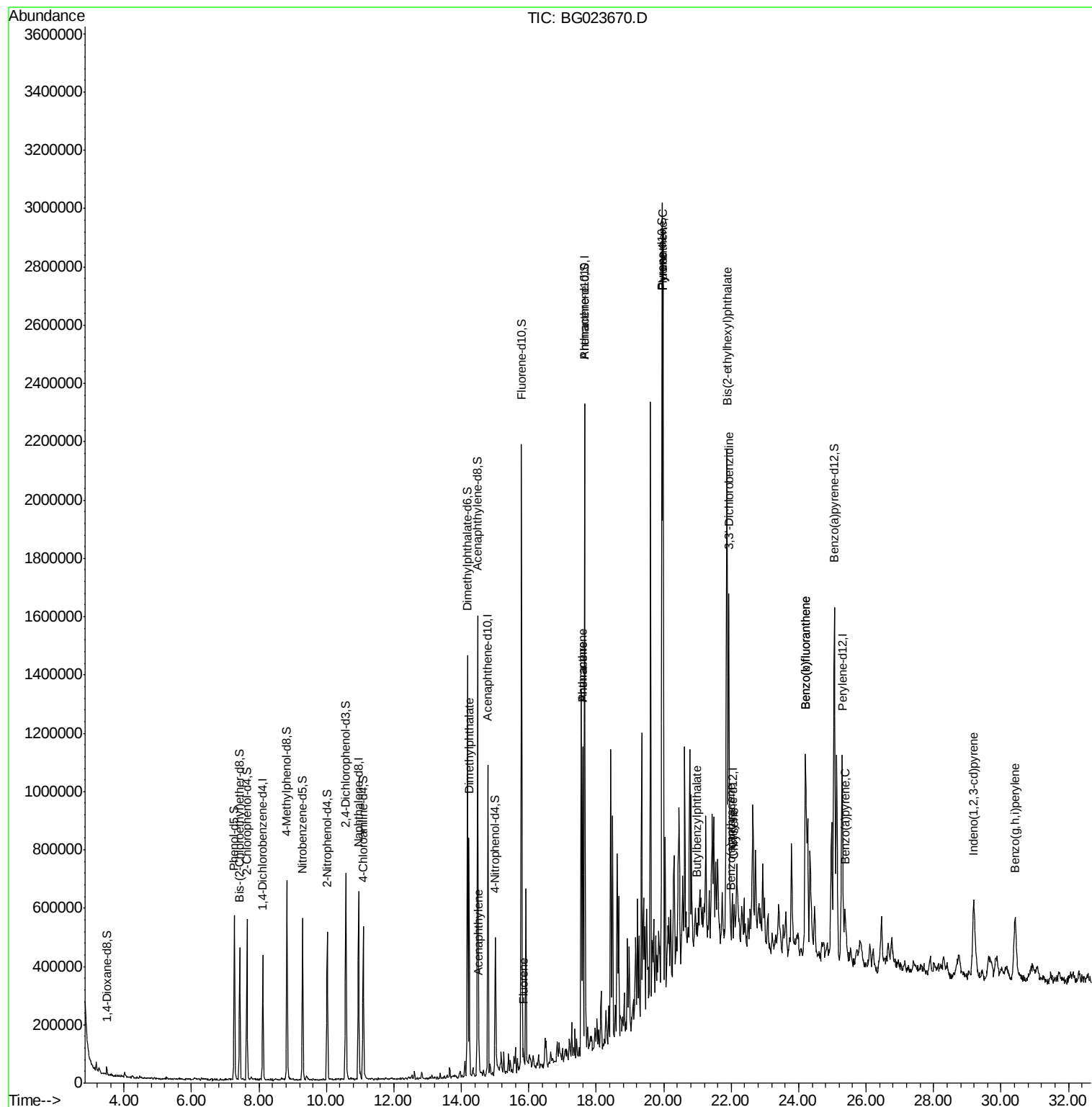
					Qvalue
44) Dimethylphthalate	14.23	163	487851	17.09 ng/ul	98
47) Acenaphthylene	14.52	152	122739	3.62 ng/ul	99
58) Fluorene	15.84	166	34431	1.21 ng/ul	98
69) Phenanthrene	17.59	178	653232	10.11 ng/ul	99
71) Anthracene	17.59	178	654453	9.93 ng/ul	100
74) Fluoranthene	19.98	202	1465954	22.16 ng/ul	99
77) Pyrene	19.98	202	1469562	15026.40 ng/ul	94
78) Butylbenzylphthalate	20.99	149	654	17.44 ng/ul#	1
79) 3,3'-Dichlorobenzidine	21.92	252	9872	354.16 ng/ul#	33
80) Benzo(a)anthracene	21.99	228	1024	11.49 ng/ul#	1
81) Bis(2-ethylhexyl)phthalate	21.87	149	724	14.52 ng/ul#	80
82) Chrysene	22.09	228	69274	855.15 ng/ul#	48
85) Benzo(b)fluoranthene	24.20	252	849390	18.98 ng/ul#	94
86) Benzo(k)fluoranthene	24.20	252	849390	19.28 ng/ul#	92
88) Benzo(a)pyrene	25.37	252	158018	3.66 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.19	276	453245	8.93 ng/ul#	85
91) Benzo(g,h,i)perylene	30.42	276	462156	10.98 ng/ul#	81

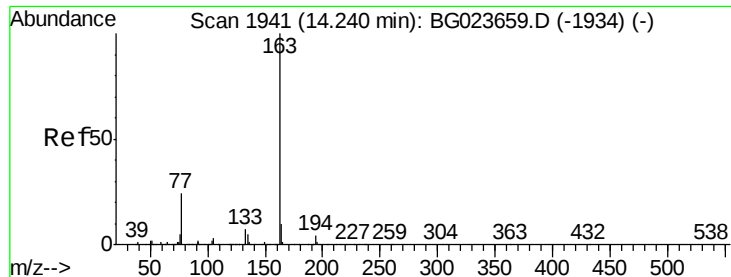
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 17.09 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

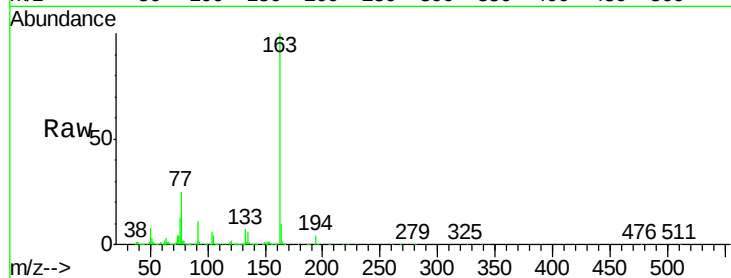
Tgt Ion:163 Resp: 487851

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

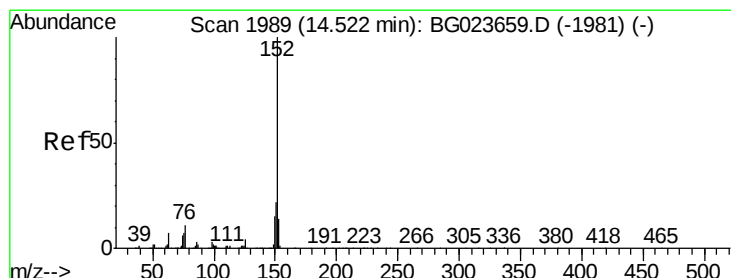
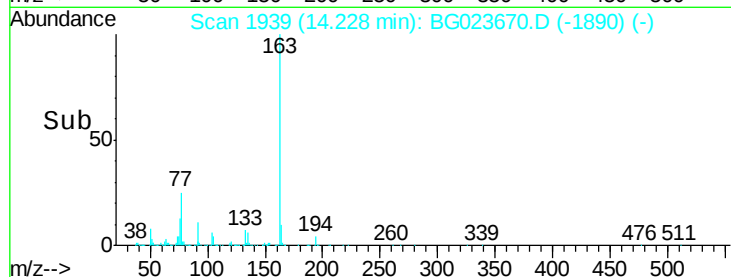
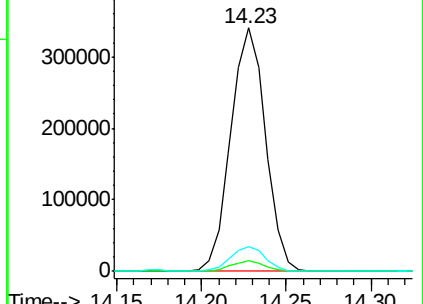
164 10.2 8.8 13.2



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



#47

Acenaphthylene

Concen: 3.62 ng/ul

RT: 14.52 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

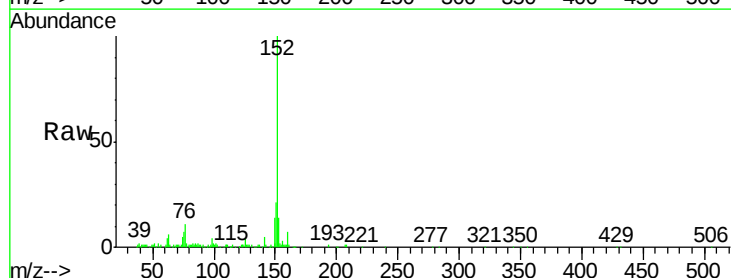
Tgt Ion:152 Resp: 122739

Ion Ratio Lower Upper

152 100

151 21.3 17.5 26.3

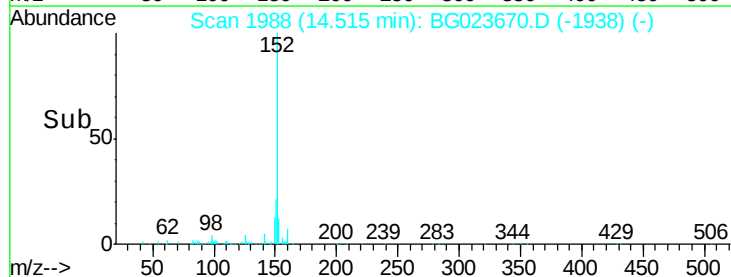
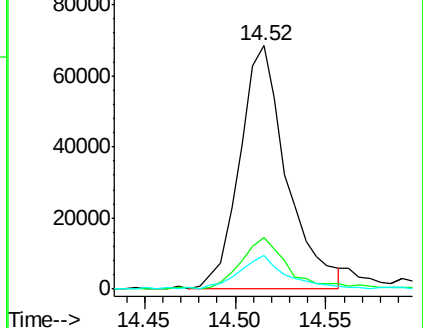
153 13.7 11.1 16.7

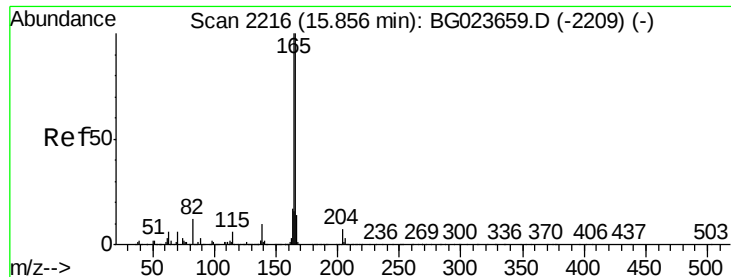


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.21 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

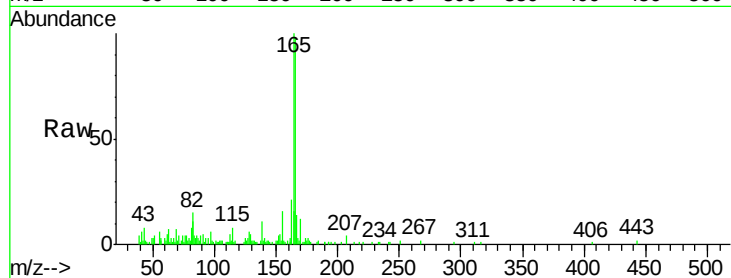
Tgt Ion:166 Resp: 34431

Ion Ratio Lower Upper

166 100

165 102.5 80.3 120.5

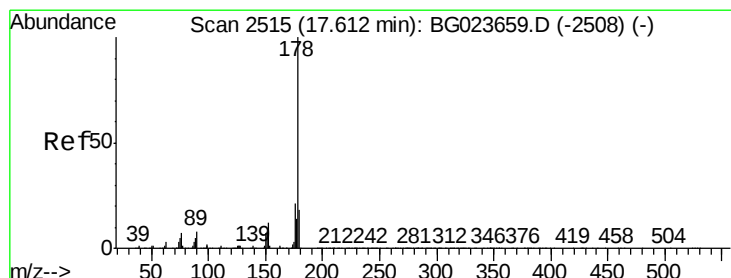
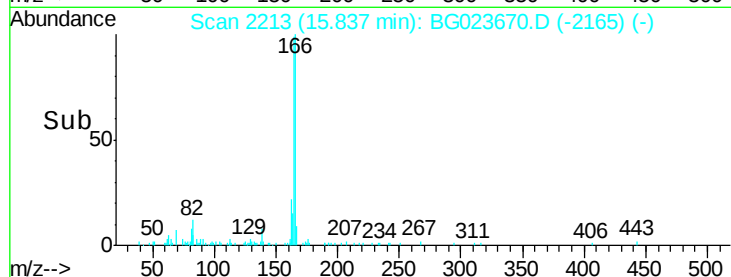
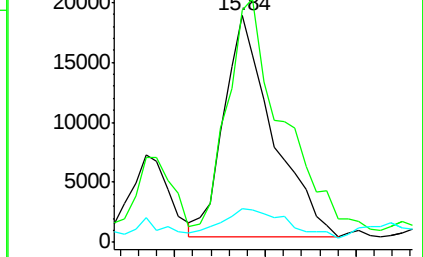
167 14.8 10.3 15.5



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



#69

Phenanthrene

Concen: 10.11 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

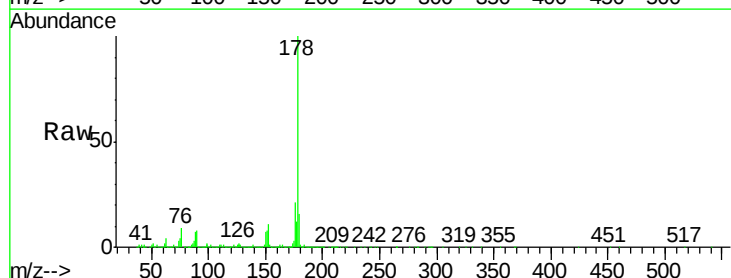
Tgt Ion:178 Resp: 653232

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

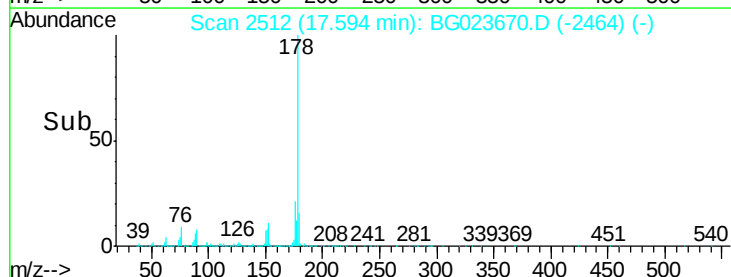
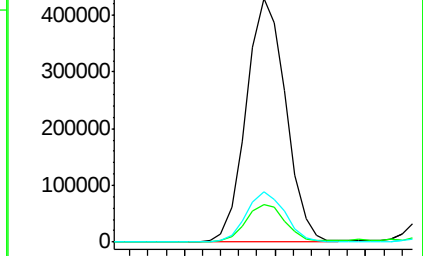
176 20.6 15.8 23.8

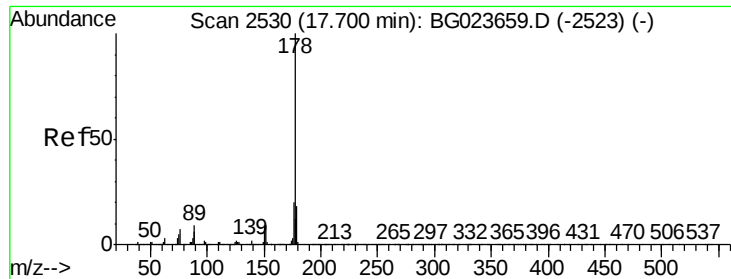


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

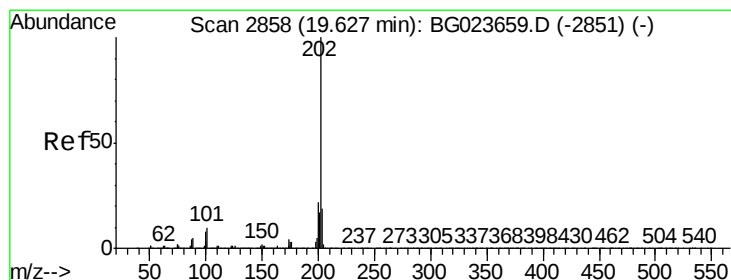
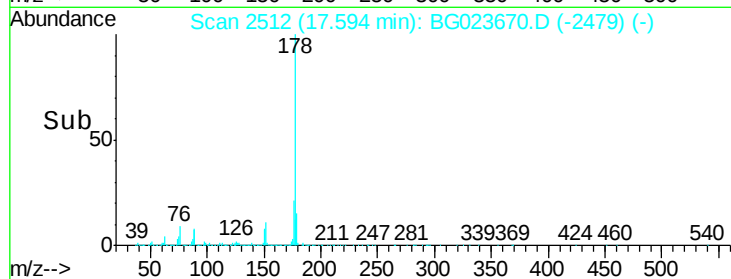
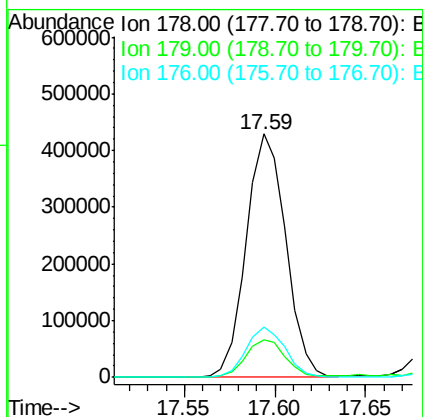
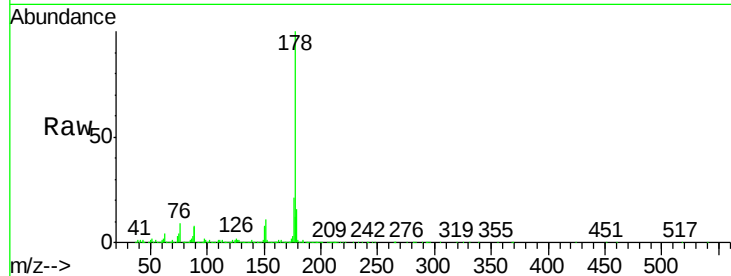




#71
 Anthracene
 Concen: 9.93 ng/ul
 RT: 17.59 min Scan# 2512
 Delta R.T. -0.11 min
 Lab File: BG023670.D
 Acq: 13 Aug 2016 00:06

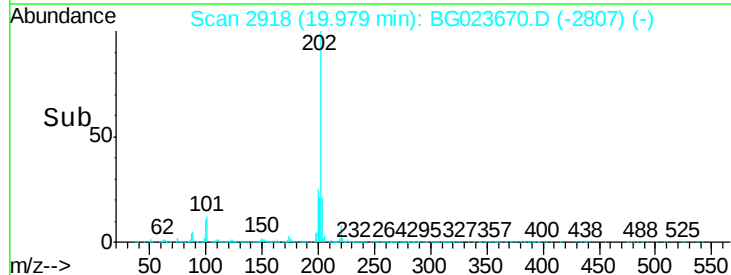
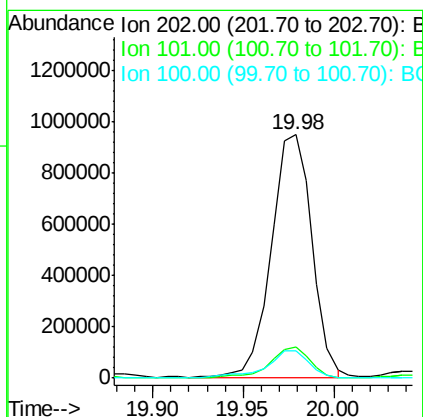
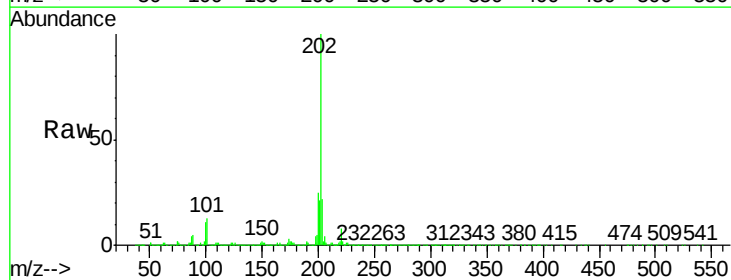
Instrument :
 BNA_G
 ClientSampleId :
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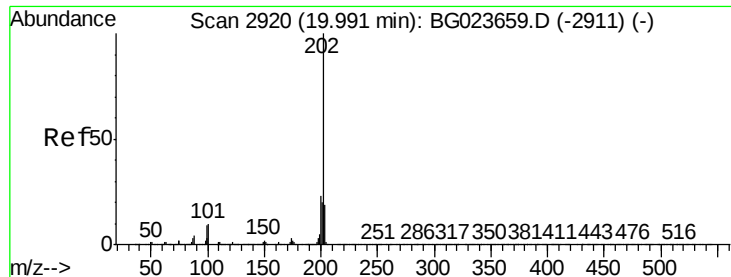
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	20.6	16.3	24.5



#74
 Fluoranthene
 Concen: 22.16 ng/ul
 RT: 19.98 min Scan# 2918
 Delta R.T. 0.35 min
 Lab File: BG023670.D
 Acq: 13 Aug 2016 00:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.6	16.0
100	11.0	8.7	13.1





#77

Pyrene

Concen: 15026.40 ng/ul

RT: 19.98 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

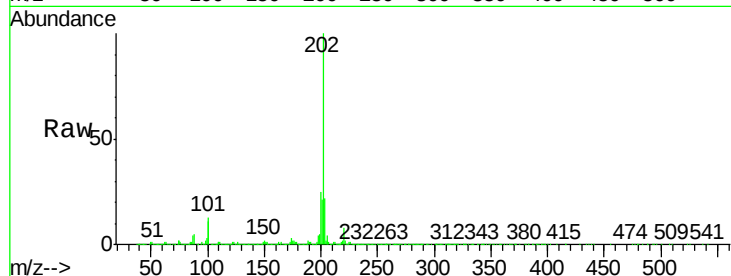
Tgt Ion:202 Resp: 1469562

Ion Ratio Lower Upper

202 100

101 12.7 12.5 18.7

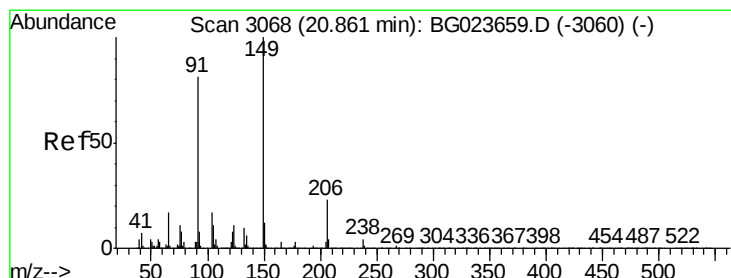
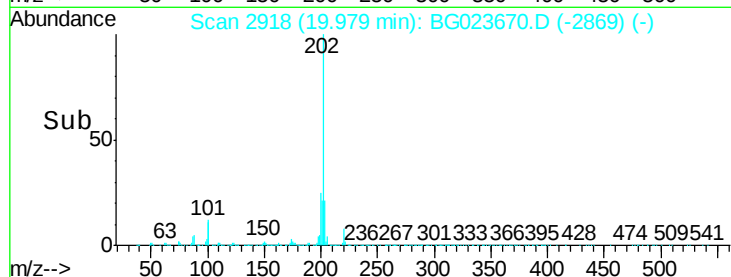
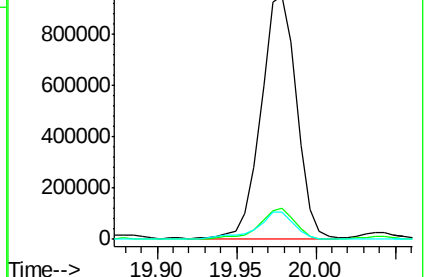
100 11.0 10.2 15.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#78

Butylbenzylphthalate

Concen: 17.44 ng/ul

RT: 20.99 min Scan# 3090

Delta R.T. 0.13 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

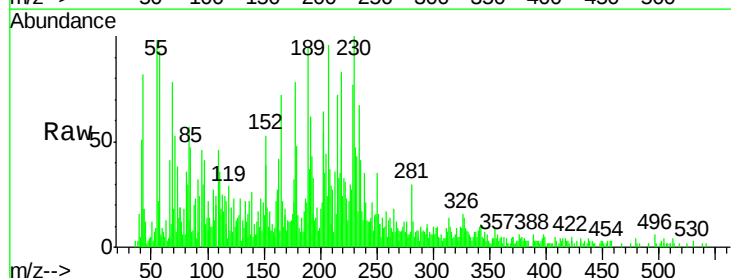
Tgt Ion:149 Resp: 654

Ion Ratio Lower Upper

149 100

91 149.0 54.2 81.4#

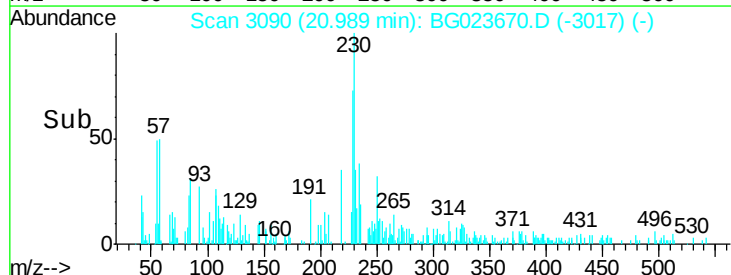
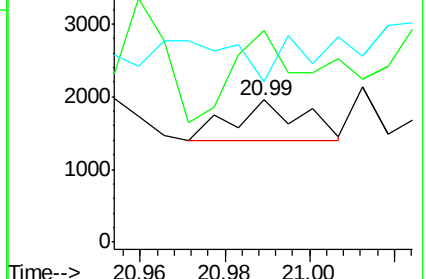
206 113.4 14.1 21.1#

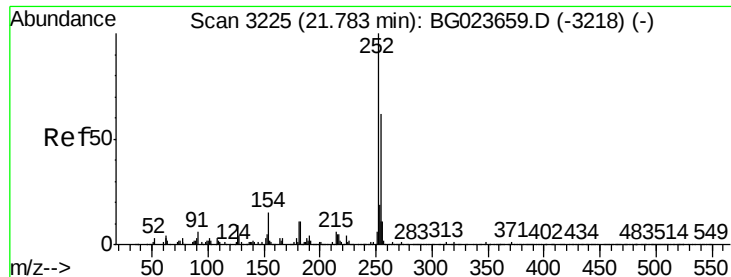


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

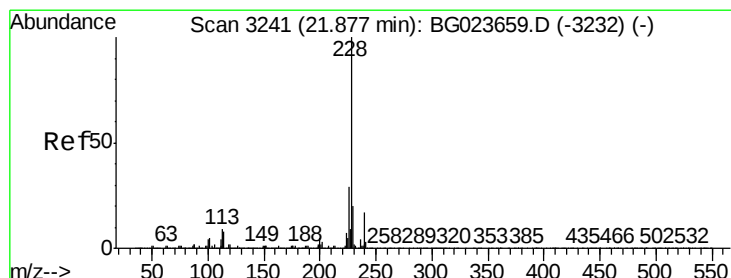
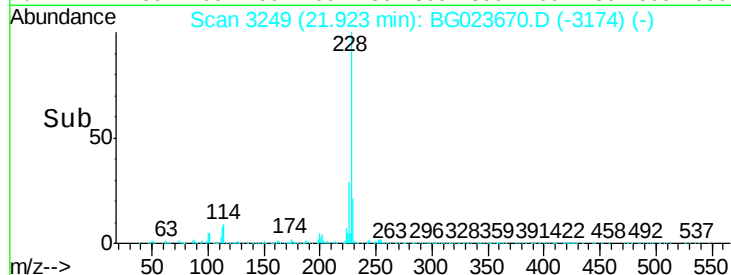
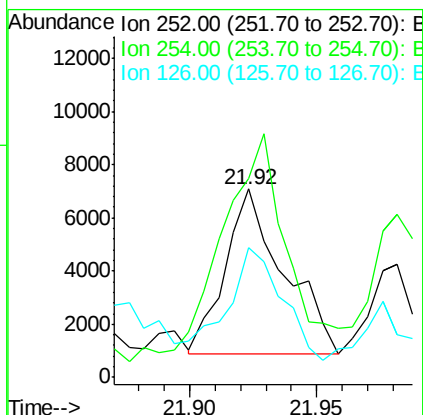
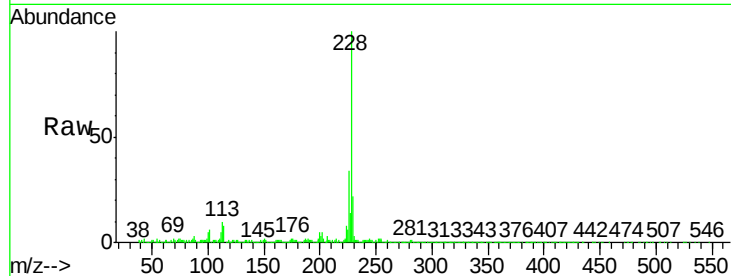




#79
 3,3'-Dichlorobenzidine
 Concen: 354.16 ng/ul
 RT: 21.92 min Scan# 3249
 Delta R.T. 0.14 min
 Lab File: BG023670.D
 Acq: 13 Aug 2016 00:06

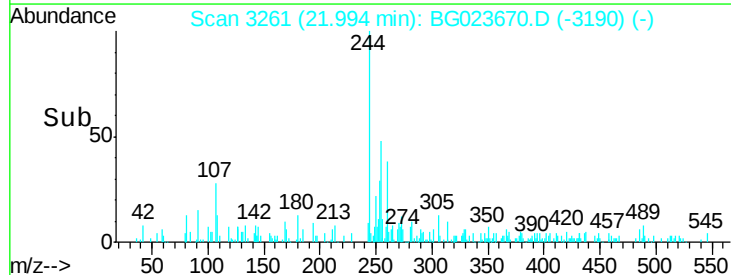
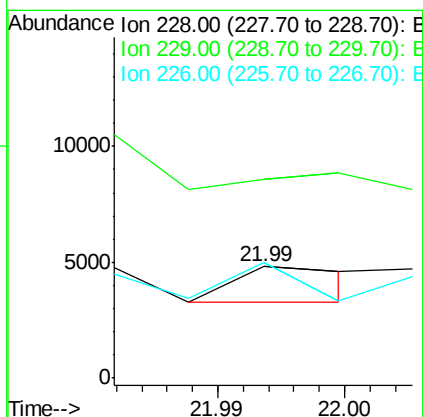
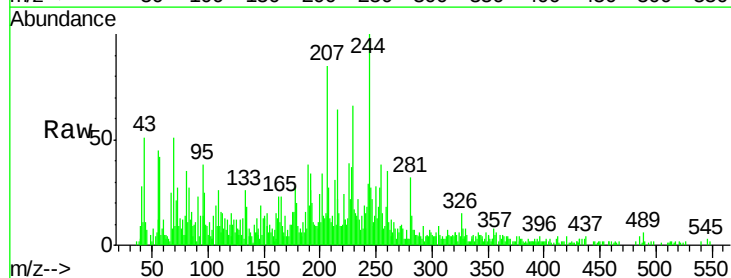
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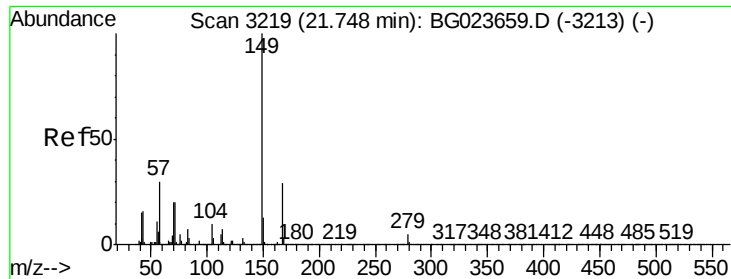
Tgt Ion:252 Resp: 9872
 Ion Ratio Lower Upper
 252 100
 254 105.4 51.4 77.2#
 126 68.7 10.7 16.1#



#80
 Benzo(a)anthracene
 Concen: 11.49 ng/ul
 RT: 21.99 min Scan# 3261
 Delta R.T. 0.12 min
 Lab File: BG023670.D
 Acq: 13 Aug 2016 00:06

Tgt Ion:228 Resp: 1024
 Ion Ratio Lower Upper
 228 100
 229 177.6 15.4 23.2#
 226 103.0 22.8 34.2#





#81

Bis(2-ethylhexyl)phthalate

Concen: 14.52 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. 0.12 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

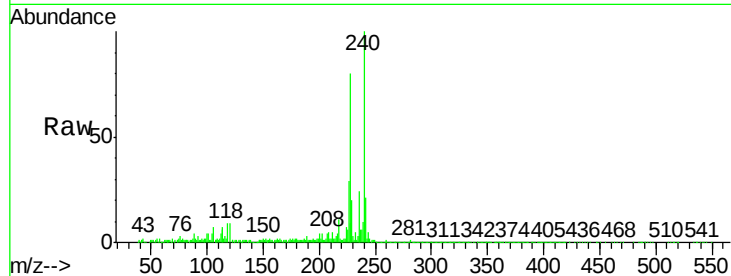
Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

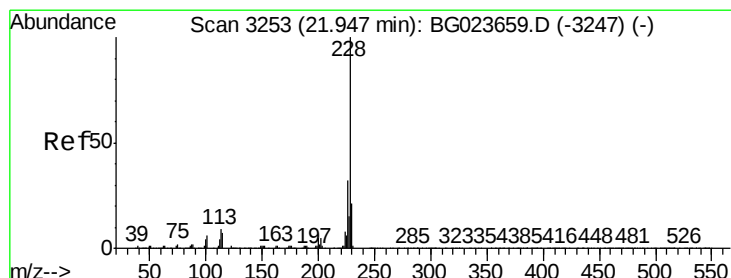
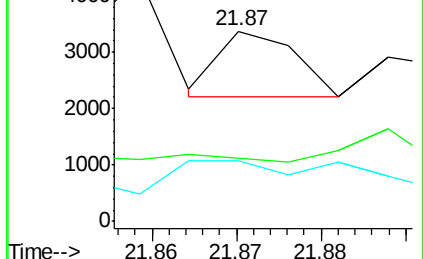
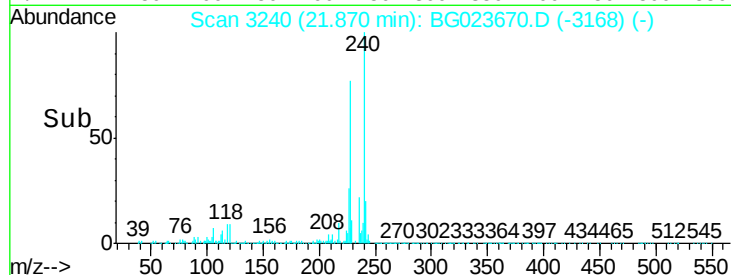
Tgt Ion:	149	Resp:	724
Ion Ratio	Lower	Upper	
149	100		
167	33.1	21.9	32.9#
279	31.9	2.9	4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 855.15 ng/ul

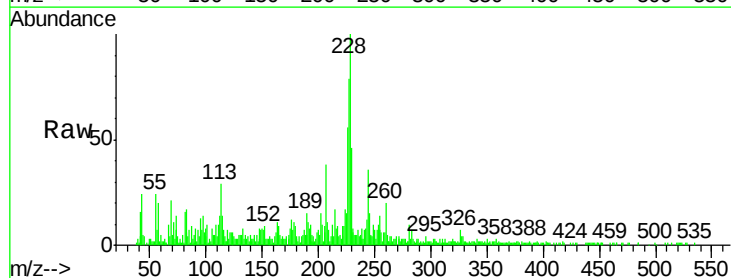
RT: 22.09 min Scan# 3277

Delta R.T. 0.14 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

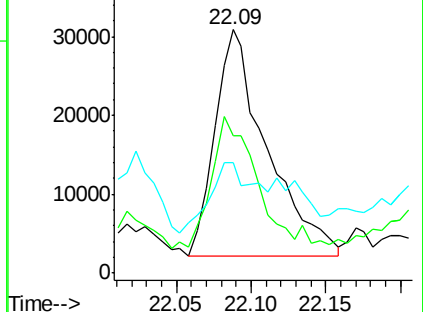
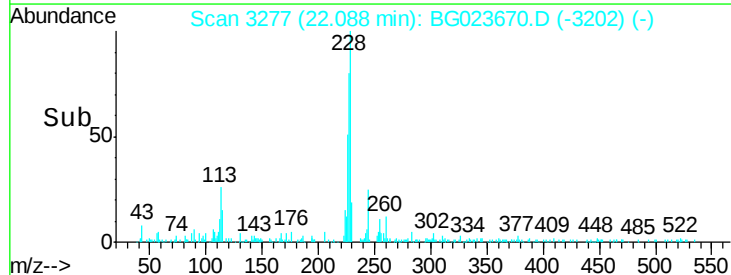
Tgt Ion:	228	Resp:	69274
Ion Ratio	Lower	Upper	
228	100		
226	56.5	24.2	36.4#
229	45.6	15.0	22.6#

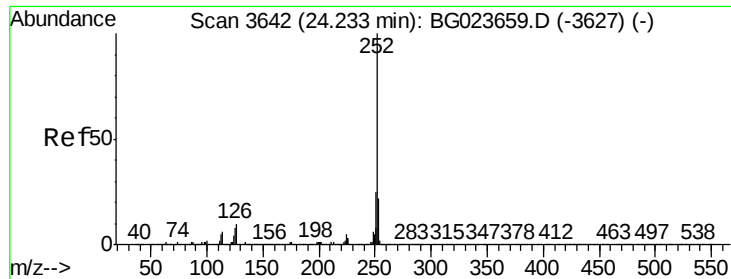


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 18.98 ng/ul

RT: 24.20 min Scan# 3637

Delta R.T. -0.03 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

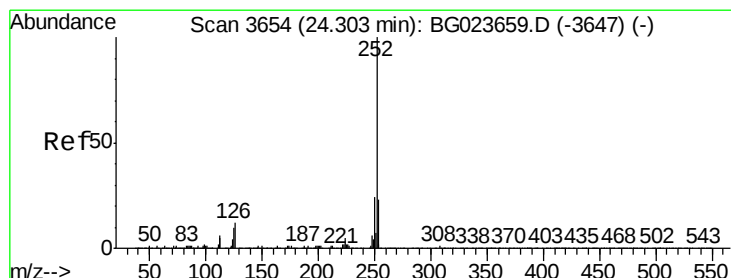
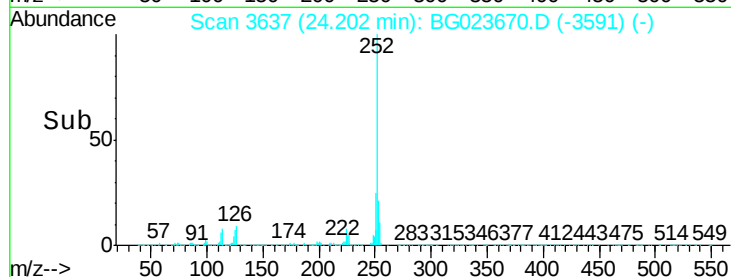
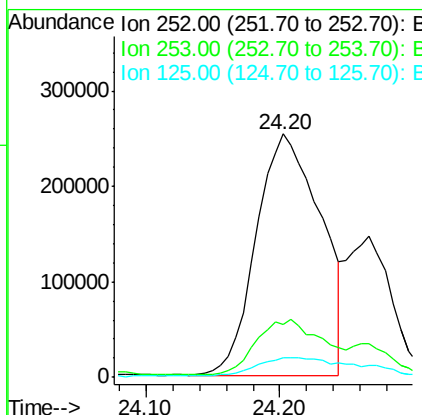
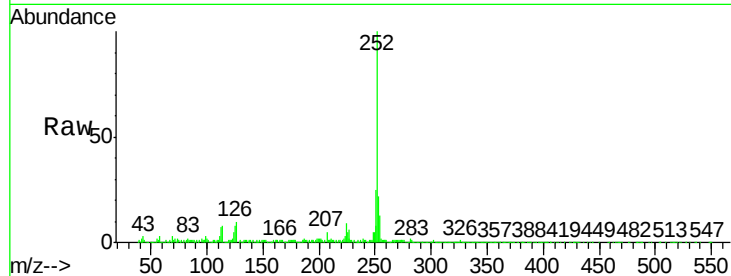
Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

Tgt Ion:	252	Resp:	849390
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.2
125	8.1	10.8	16.2#



#86

Benzo(k)fluoranthene

Concen: 19.28 ng/ul

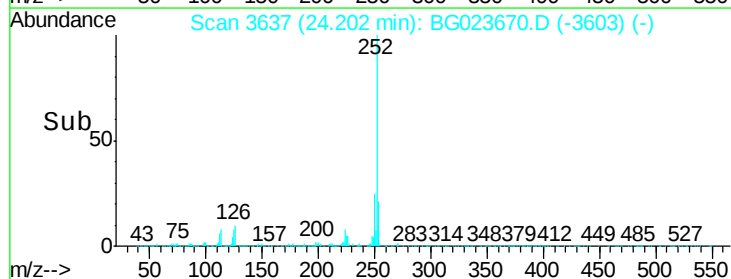
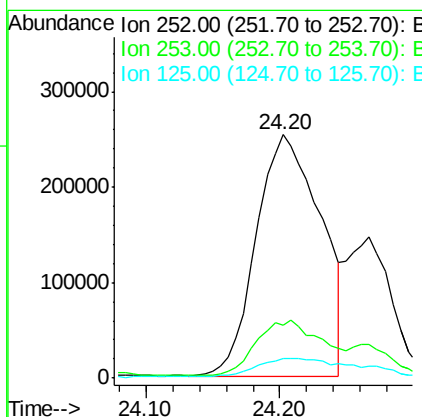
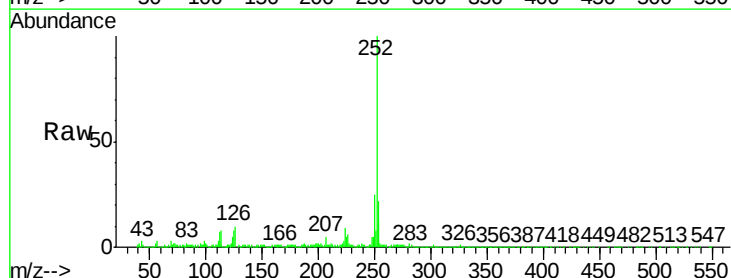
RT: 24.20 min Scan# 3637

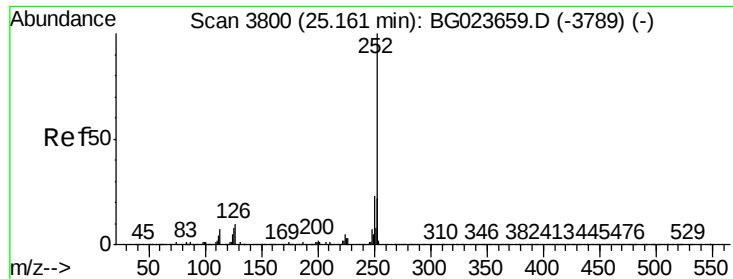
Delta R.T. -0.10 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

Tgt Ion:	252	Resp:	849390
Ion Ratio	Lower	Upper	
252	100		
253	22.0	15.8	23.6
125	8.1	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 3.66 ng/ul

RT: 25.37 min Scan# 3836

Delta R.T. 0.21 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

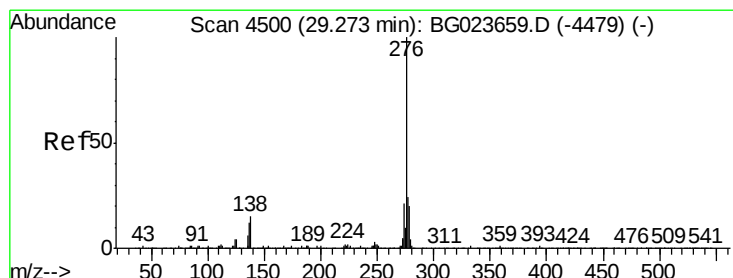
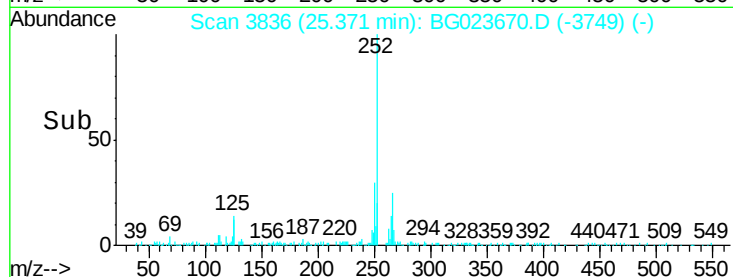
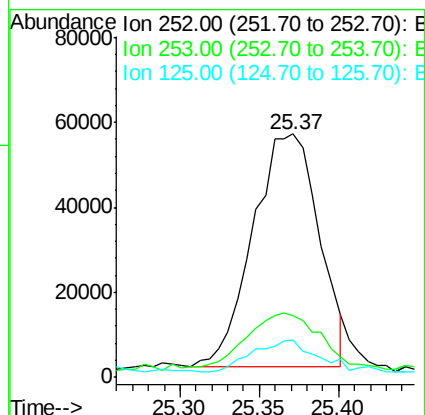
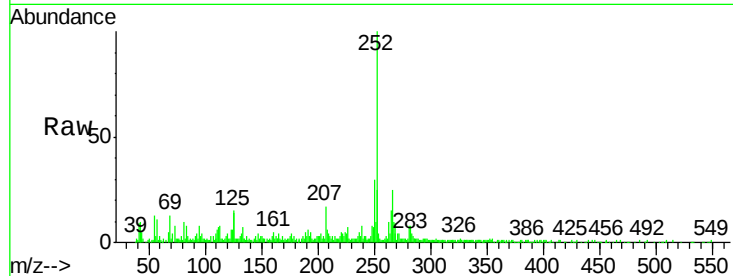
Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

Tgt Ion:	252	Resp:	158018
Ion Ratio		Lower	Upper
252	100		
253	25.2	19.0	28.4
125	15.4	12.0	18.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 8.93 ng/ul

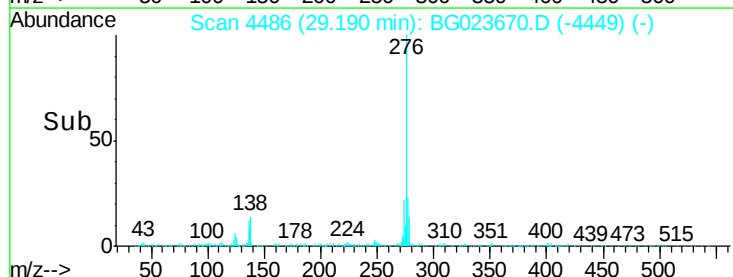
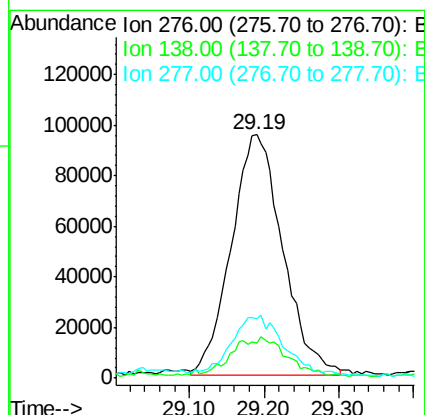
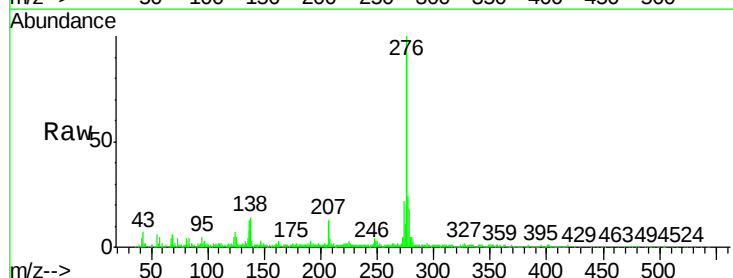
RT: 29.19 min Scan# 4486

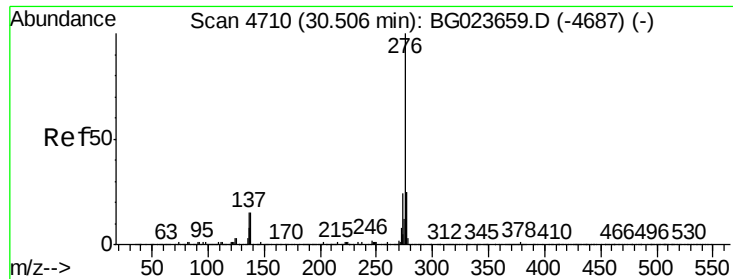
Delta R.T. -0.08 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

Tgt Ion:	276	Resp:	453245
Ion Ratio		Lower	Upper
276	100		
138	14.2	20.8	31.2#
277	24.3	17.6	26.4





#91

Benzo(g,h,i)perylene

Concen: 10.98 ng/ul

RT: 30.42 min Scan# 4696

Delta R.T. -0.08 min

Lab File: BG023670.D

Acq: 13 Aug 2016 00:06

Instrument :

BNA_G

ClientSampleId :

P002-SS003-0002-01

Tgt Ion:276 Resp: 462156

Ion Ratio Lower Upper

276 100

138 14.4 22.1 33.1#

277 25.9 17.0 25.4#

