

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051817\
 Data File : BG027048.D
 Acq On : 19 May 2017 20:19
 Operator : SJ/MA
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 19 23:45:22 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 23:42:44 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	175535	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	818788	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	417039	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	757374	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	671727	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	589698	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	886695	20.73	ng/ul	0.00
10) Fluorene-d10	15.61	176	576519	20.20	ng/ul	0.00
14) Anthracene-d10	17.36	188	757374	20.51	ng/ul	-0.09
18) Pyrene-d10	19.74	212	713520	20.34	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.57	264	625360	21.34	ng/ul	0.01

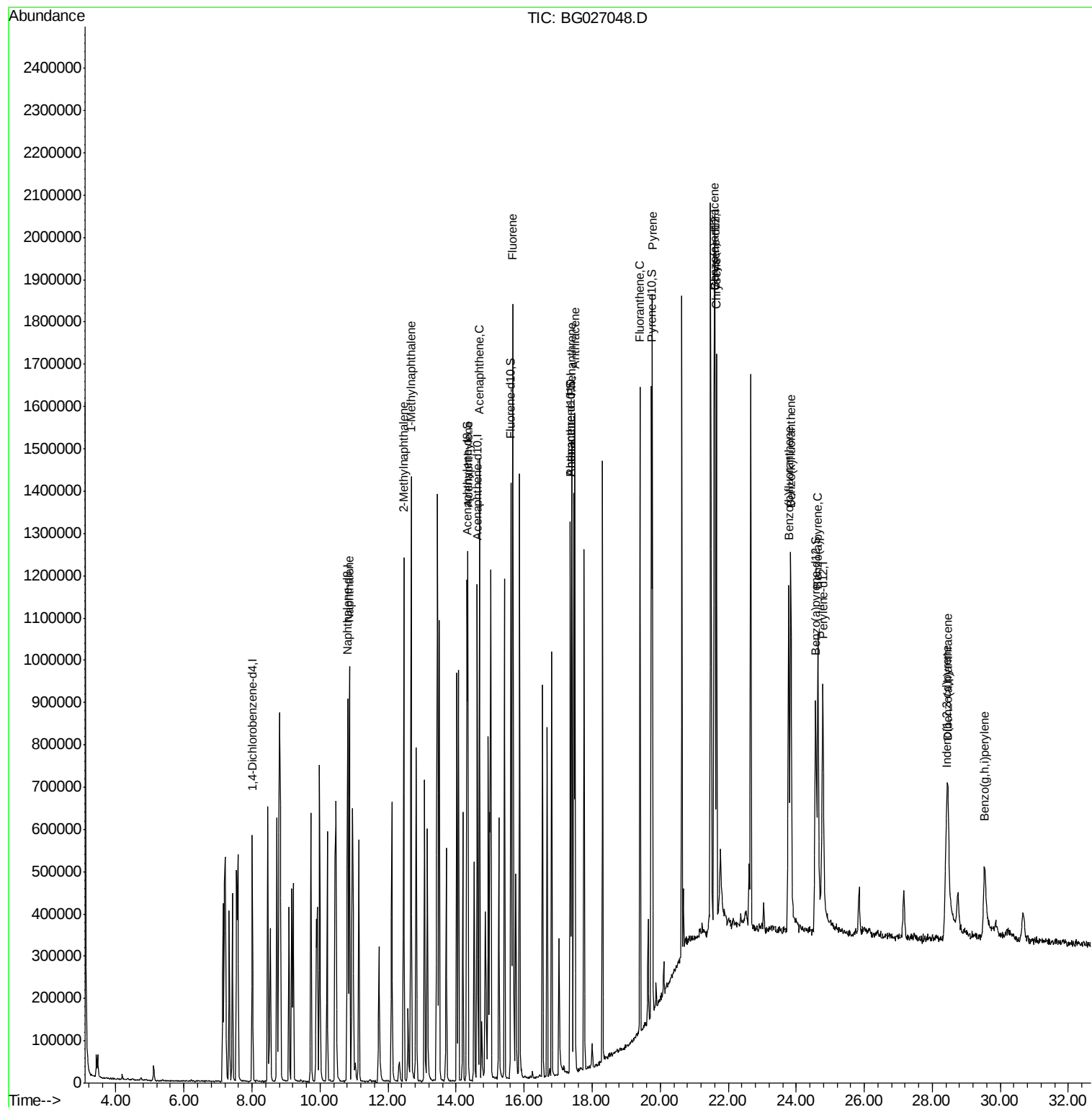
Target Compounds				Ovalue		
3) Naphthalene	10.86	128	867663	20.42	ng/ul	99
4) 2-Methylnaphthalene	12.46	142	622078	19.76	ng/ul	100
5) 1-Methylnaphthalene	12.68	142	675634	19.94	ng/ul#	96
8) Acenaphthylene	14.35	152	892280	20.75	ng/ul	99
9) Acenaphthene	14.69	153	616392	20.94	ng/ul	97
11) Fluorene	15.67	166	640162	20.41	ng/ul	95
13) Phenanthrene	17.40	178	885192	20.91	ng/ul	99
15) Anthracene	17.49	178	916069	21.06	ng/ul	98
16) Fluoranthene	19.41	202	902126	20.84	ng/ul#	92
19) Pyrene	19.77	202	917943	20.91	ng/ul#	85
20) Benzo(a)anthracene	21.59	228	818171	20.21	ng/ul	98
21) Chrysene	21.65	228	744974	20.05	ng/ul	98
23) Benzo(b)fluoranthene	23.78	252	754151	21.52	ng/ul#	94
24) Benzo(k)fluoranthene	23.84	252	776344	21.53	ng/ul#	94
26) Benzo(a)pyrene	24.64	252	735808	21.46	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	28.41	276	523010	16.58	ng/ul#	86
28) Dibenzo(a,h)anthracene	28.46	278	481727	17.70	ng/ul#	93
29) Benzo(g,h,i)perylene	29.53	276	151229	6.03	ng/ul#	86

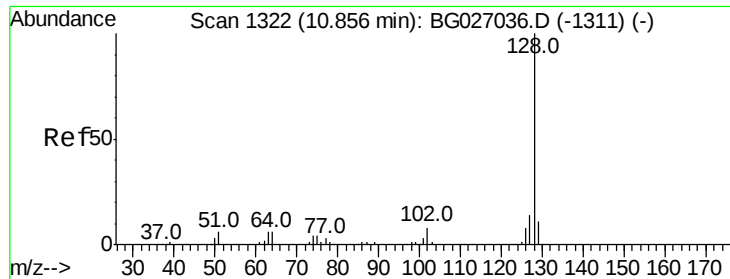
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 19 23:42:44 2017
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#3

Naphthalene

Concen: 20.42 ng/ul

RT: 10.86 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

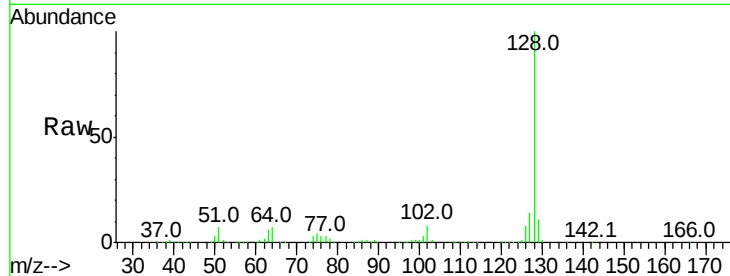
Tot Ion:128 Resp: 867663

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

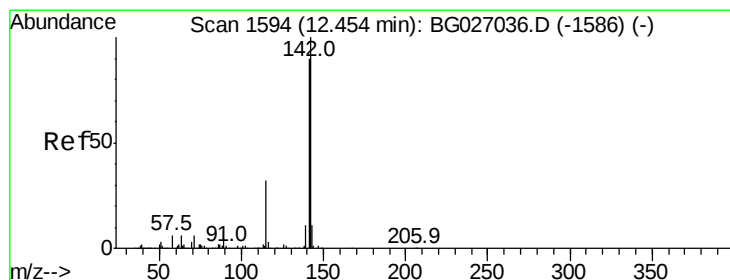
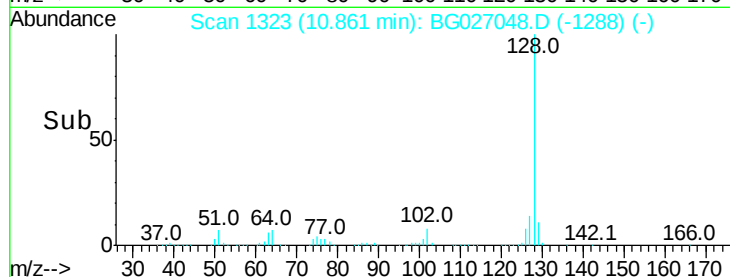
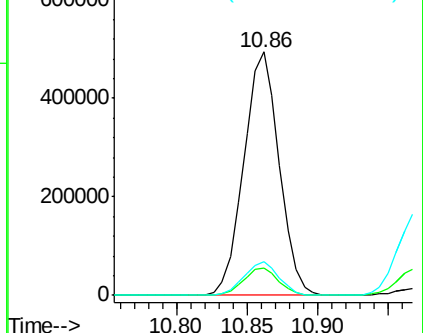
127 13.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 19.76 ng/ul

RT: 12.46 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BG027048.D

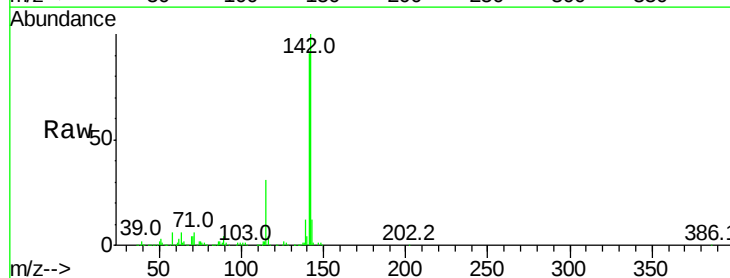
Acq: 19 May 2017 20:19

Tgt Ion:142 Resp: 622078

Ion Ratio Lower Upper

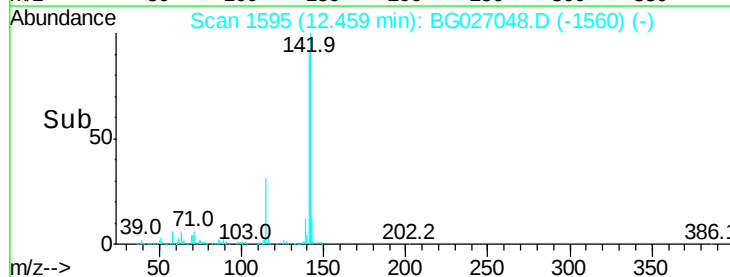
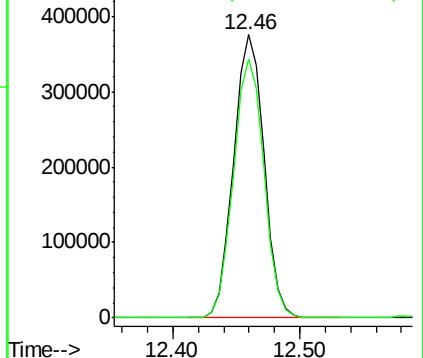
142 100

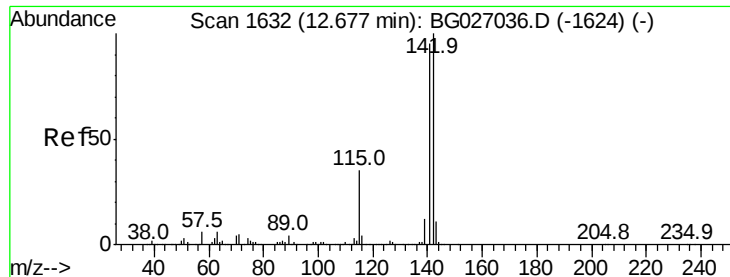
141 91.3 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.94 ng/ul

RT: 12.68 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampled :

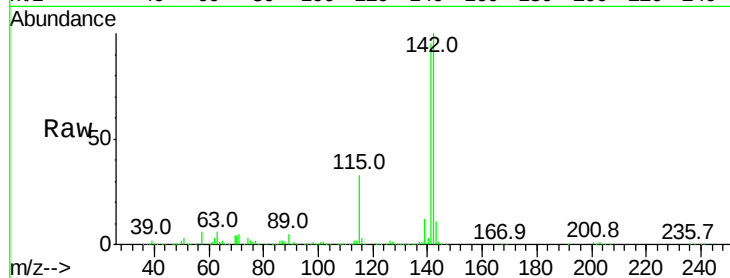
Tot Ion:142 Resp: 675634

Ion Ratio Lower Upper

142 100

141 94.9 79.3 118.9

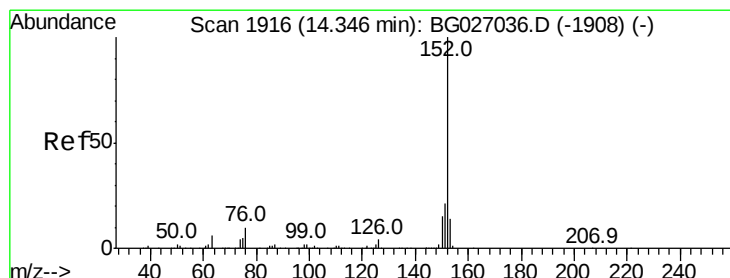
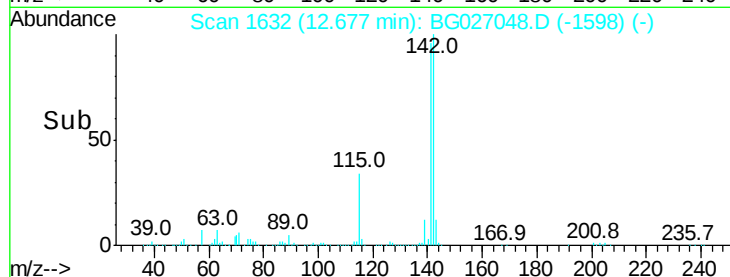
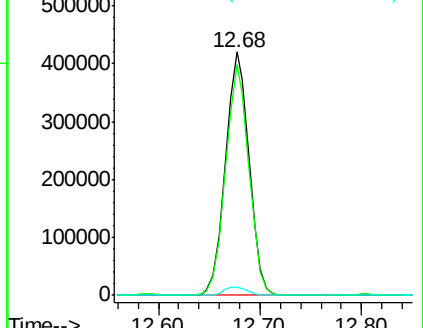
116 3.3 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 20.75 ng/ul

RT: 14.35 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

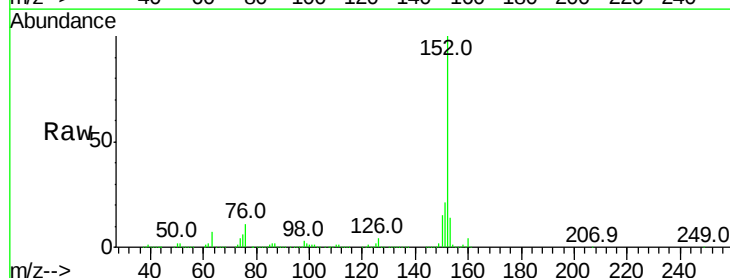
Tgt Ion:152 Resp: 892280

Ion Ratio Lower Upper

152 100

151 21.3 16.7 25.1

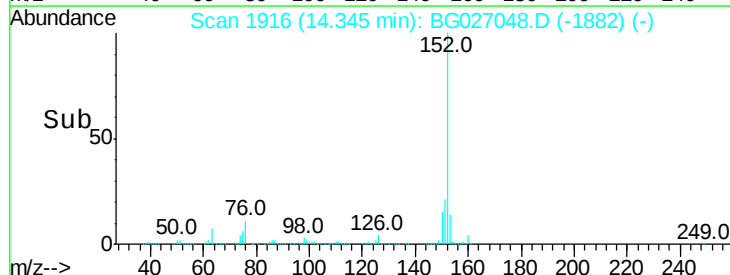
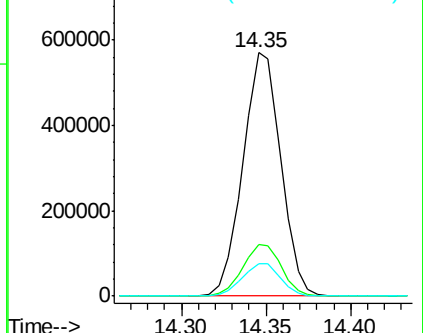
153 13.6 10.2 15.4

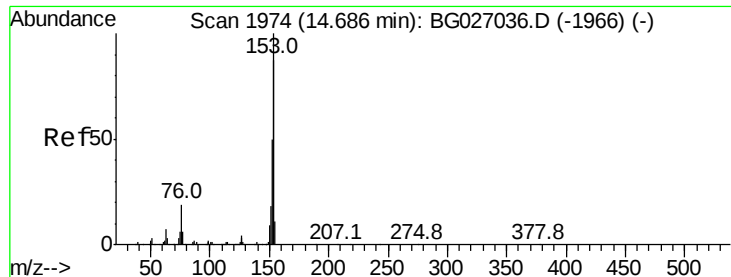


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.94 ng/ul

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

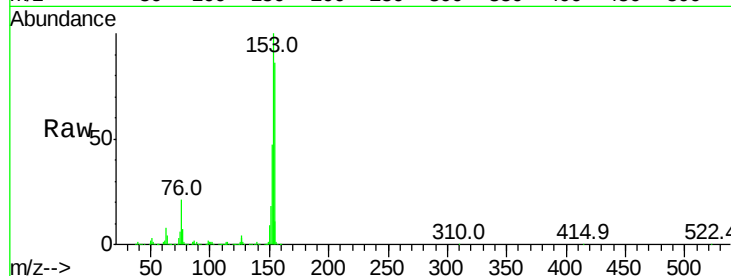
Tot Ion:153 Resp: 616392

Ion Ratio Lower Upper

153 100

152 46.9 39.0 58.6

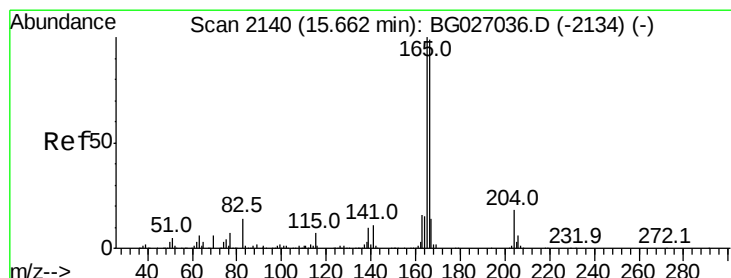
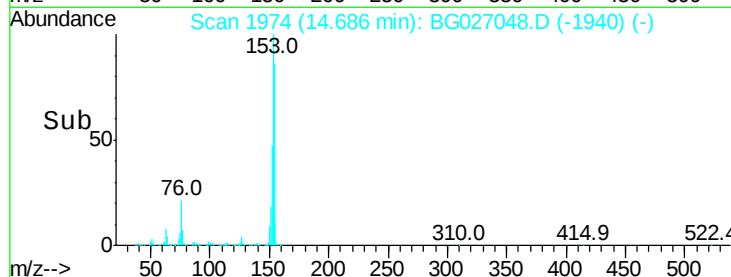
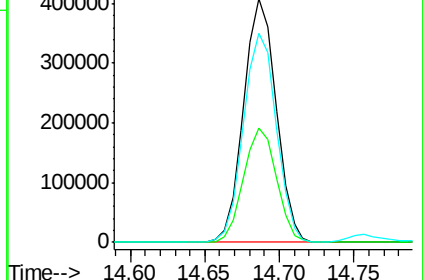
154 85.8 66.8 100.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 20.41 ng/ul

RT: 15.67 min Scan# 2141

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

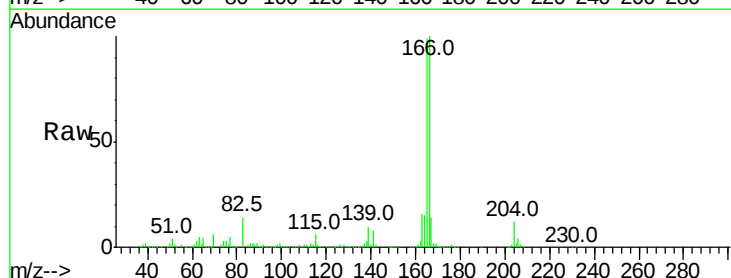
Tgt Ion:166 Resp: 640162

Ion Ratio Lower Upper

166 100

165 99.4 83.8 125.8

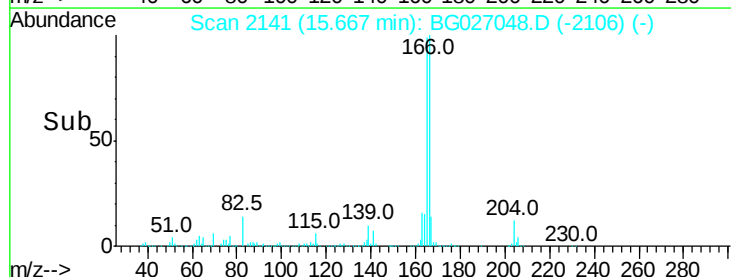
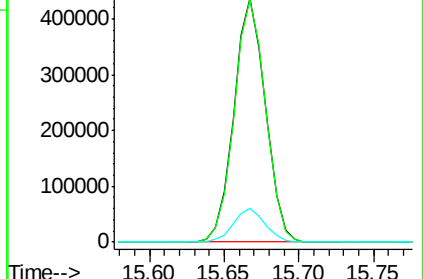
167 13.9 11.5 17.3

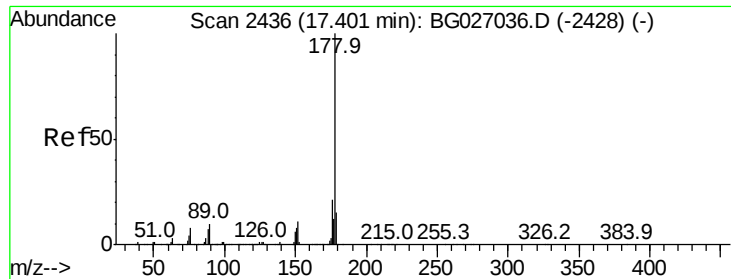


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.91 ng/ul

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

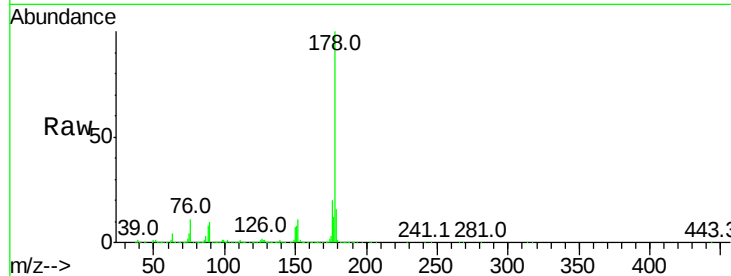
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 885192

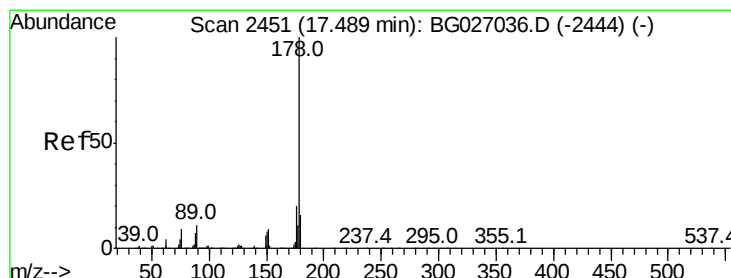
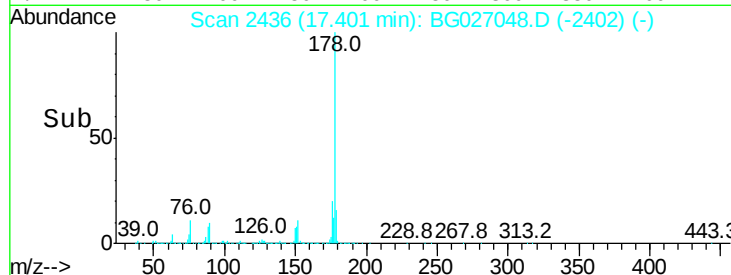
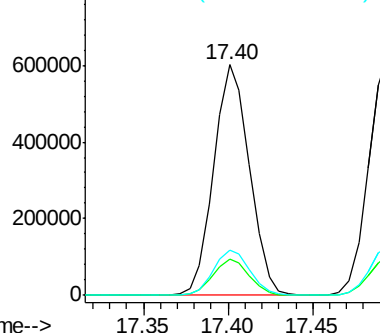
Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.7	15.1	22.7



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



#15

Anthracene

Concen: 21.06 ng/ul

RT: 17.49 min Scan# 2452

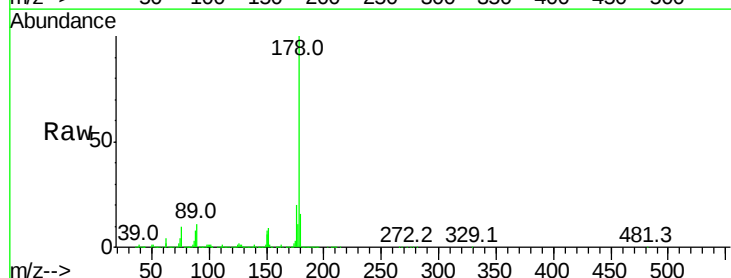
Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Tgt Ion:178 Resp: 916069

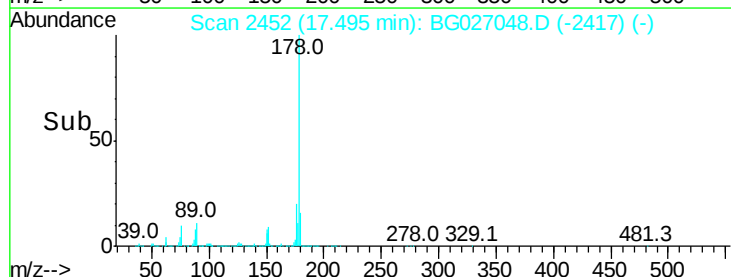
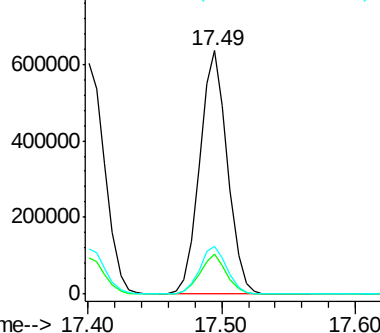
Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.8	17.8
176	19.6	15.2	22.8

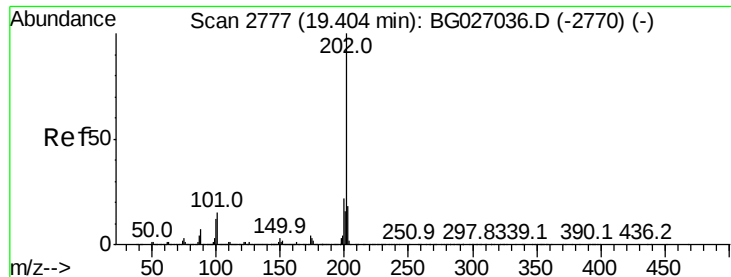


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 20.84 ng/ul

RT: 19.41 min Scan# 2778

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

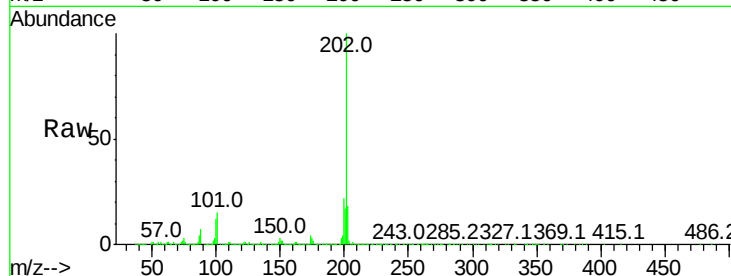
Tot Ion:202 Resp: 902126

Ion Ratio Lower Upper

202 100

101 15.2 9.9 14.9#

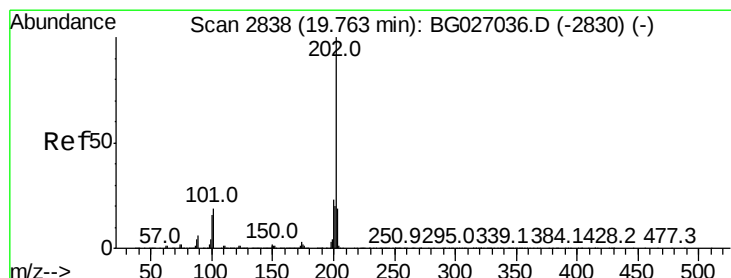
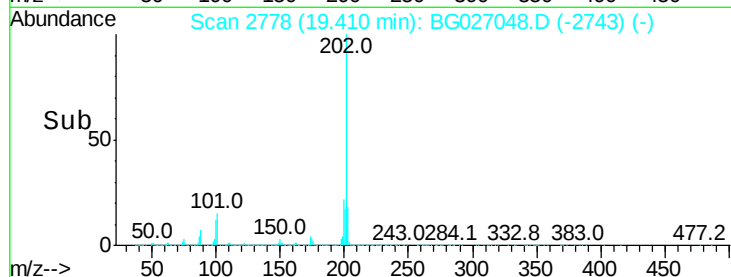
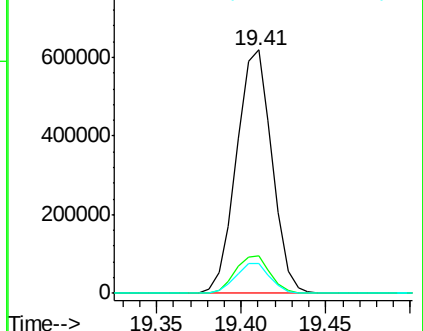
100 12.2 7.4 11.0#



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): B



#19

Pyrene

Concen: 20.91 ng/ul

RT: 19.77 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

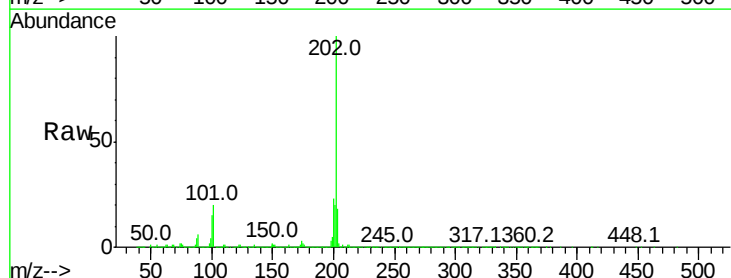
Tgt Ion:202 Resp: 917943

Ion Ratio Lower Upper

202 100

101 20.0 11.0 16.4#

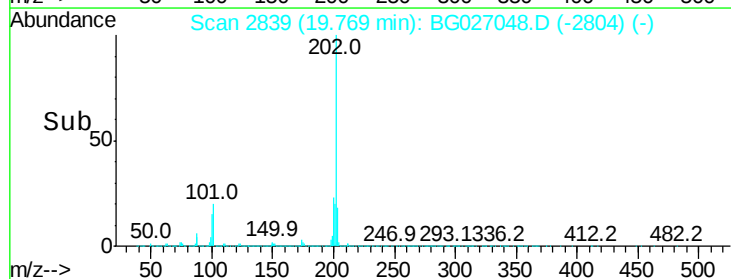
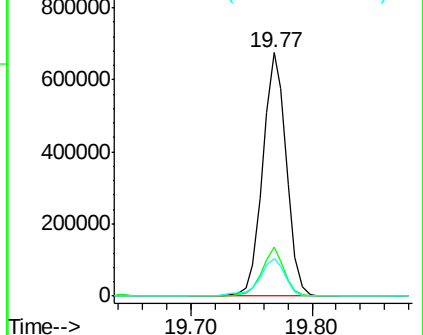
100 15.2 8.1 12.1#

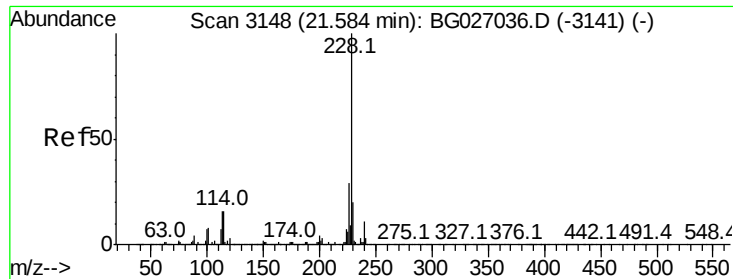


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.21 ng/ul

RT: 21.59 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

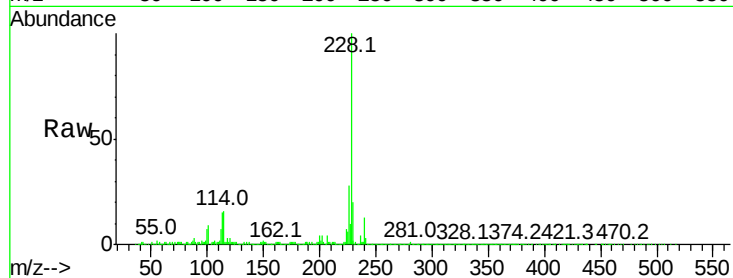
Tot Ion:228 Resp: 818171

Ion Ratio Lower Upper

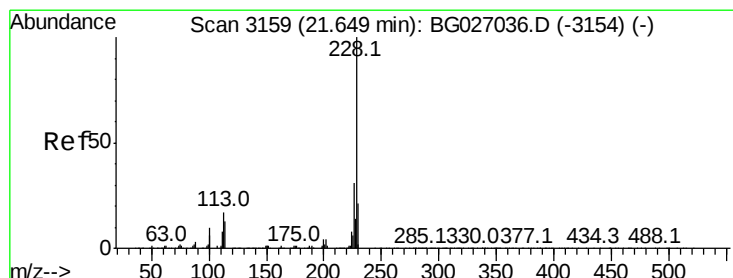
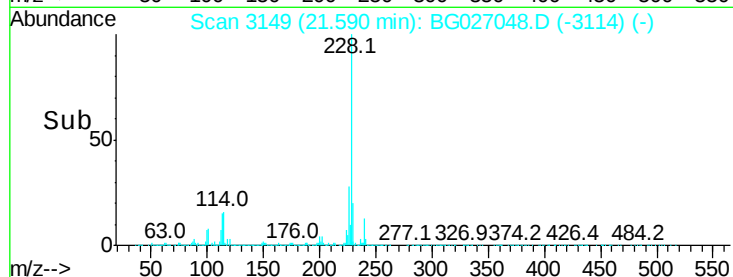
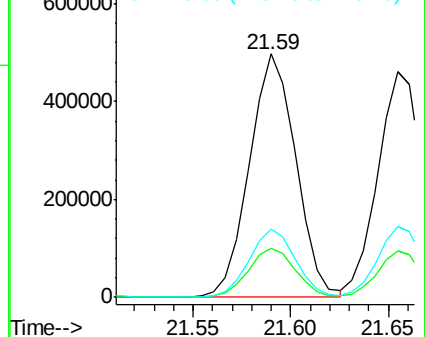
228 100

229 20.1 15.7 23.5

226 28.1 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 20.05 ng/ul

RT: 21.65 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

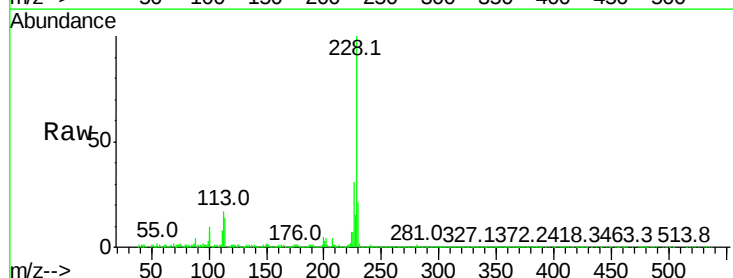
Tgt Ion:228 Resp: 744974

Ion Ratio Lower Upper

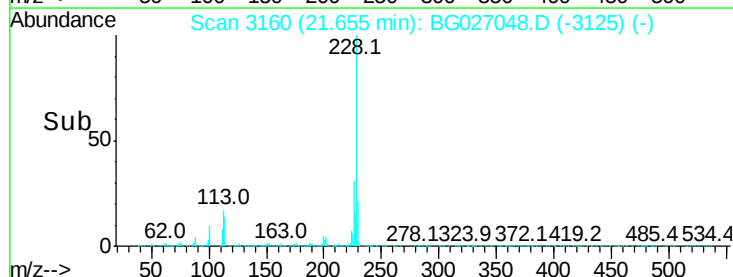
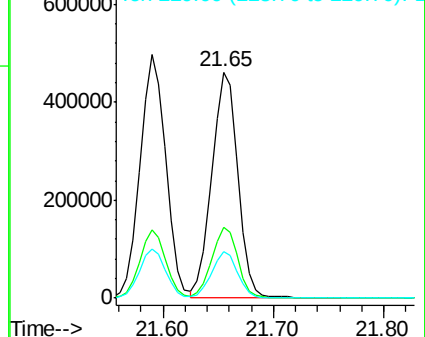
228 100

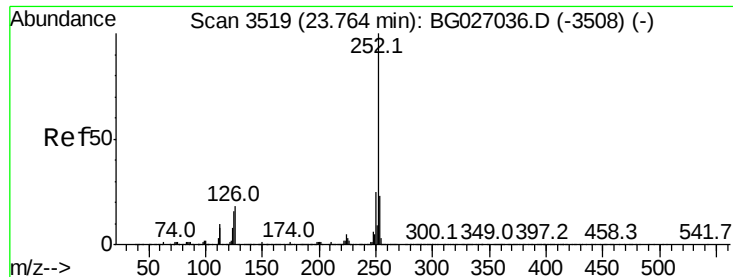
226 31.3 24.5 36.7

229 20.7 15.8 23.8



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





#23

Benzo(b)fluoranthene

Concen: 21.52 ng/ul

RT: 23.78 min Scan# 3521

Delta R.T. 0.01 min

Lab File: BG027048.D

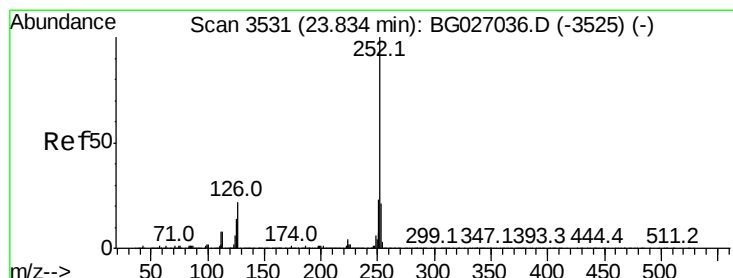
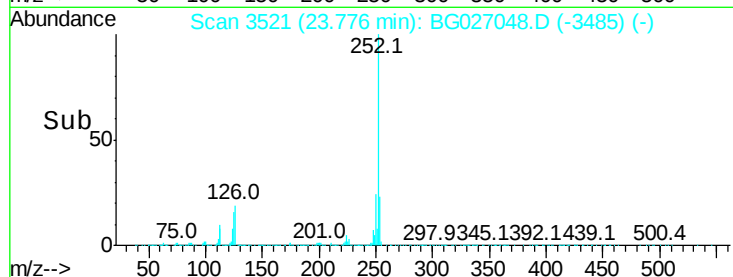
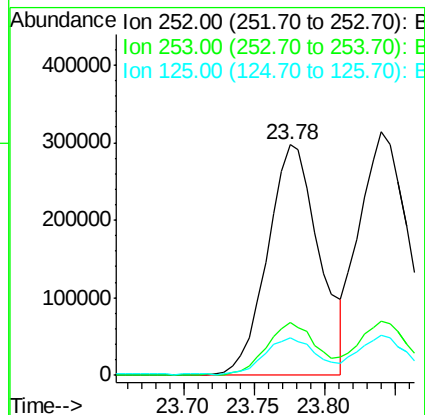
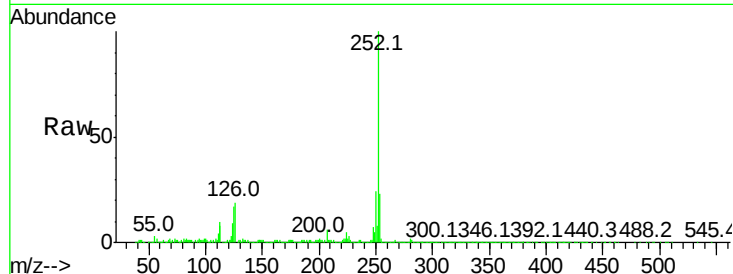
Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	754151
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	16.5	8.0	12.0#



#24

Benzo(k)fluoranthene

Concen: 21.53 ng/ul

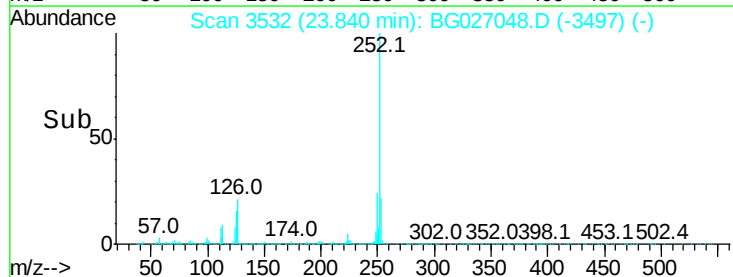
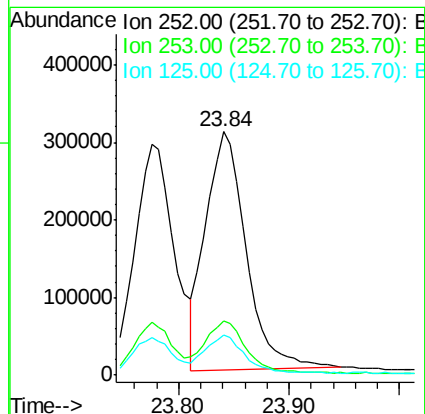
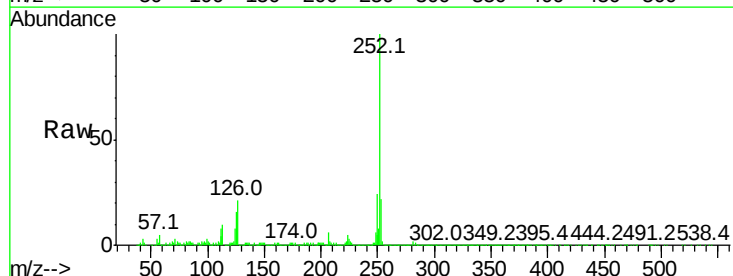
RT: 23.84 min Scan# 3532

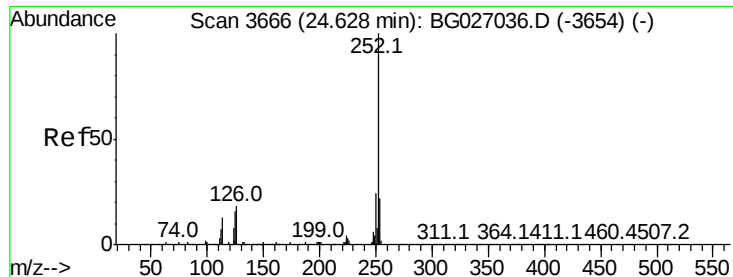
Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Tgt Ion:	252	Resp:	776344
Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	16.3	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 21.46 ng/ul

RT: 24.64 min Scan# 3668

Delta R.T. 0.01 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

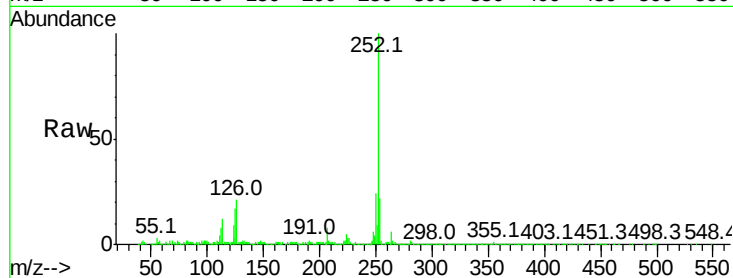
Tot Ion:252 Resp: 735808

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

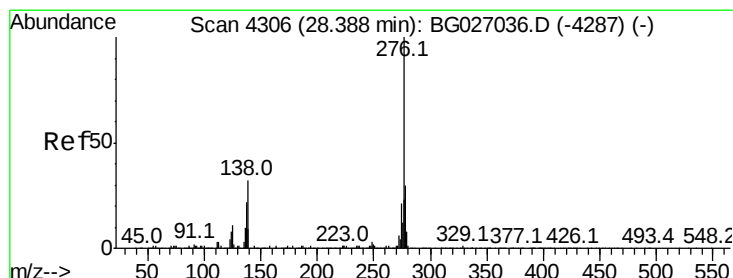
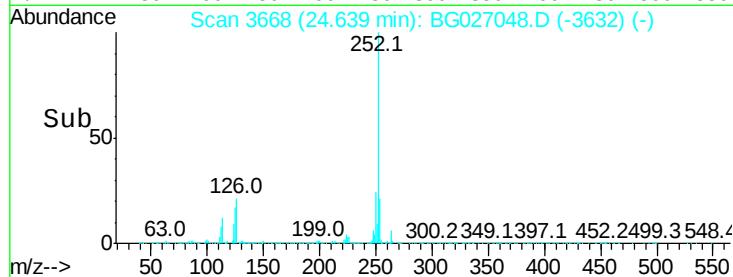
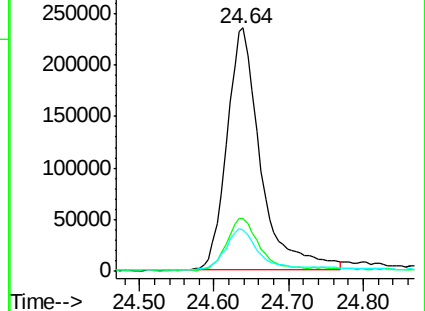
125 17.3 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 16.58 ng/ul

RT: 28.41 min Scan# 4310

Delta R.T. 0.02 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

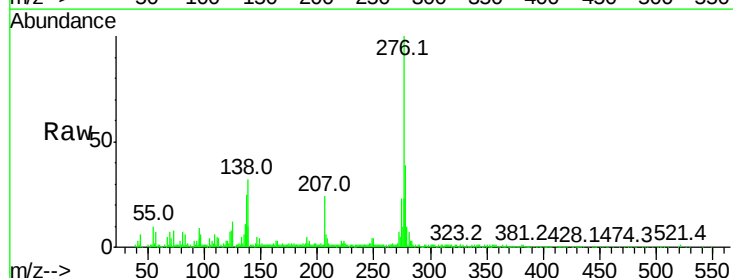
Tgt Ion:276 Resp: 523010

Ion Ratio Lower Upper

276 100

138 31.6 14.4 21.6#

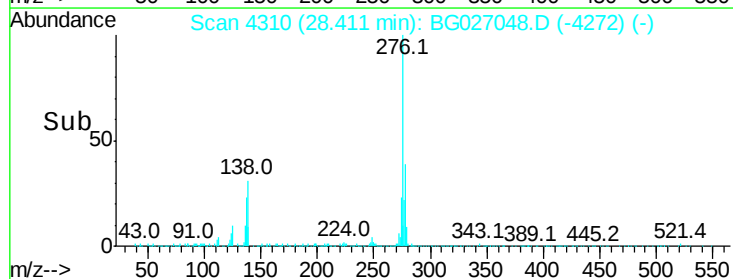
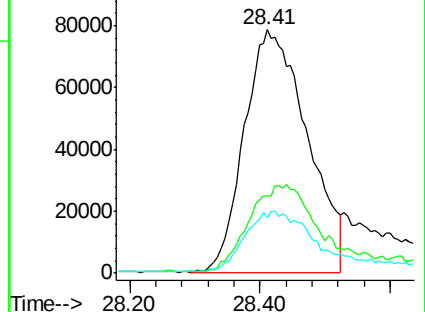
277 22.7 18.0 27.0

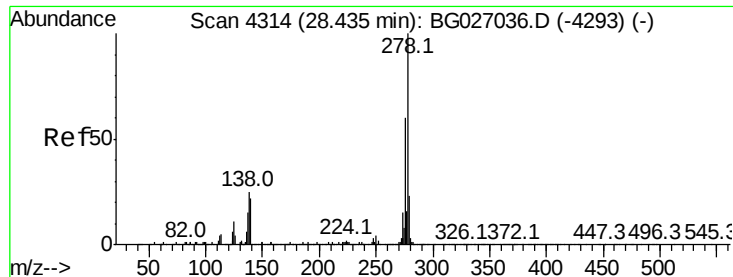


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 17.70 ng/ul

RT: 28.46 min Scan# 4318

Delta R.T. 0.02 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

Instrument :

BNA_G

ClientSampleId :

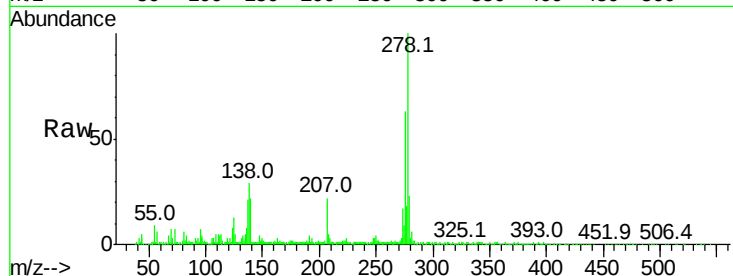
Tot Ion:278 Resp: 481727

Ion Ratio Lower Upper

278 100

139 21.7 12.2 18.4#

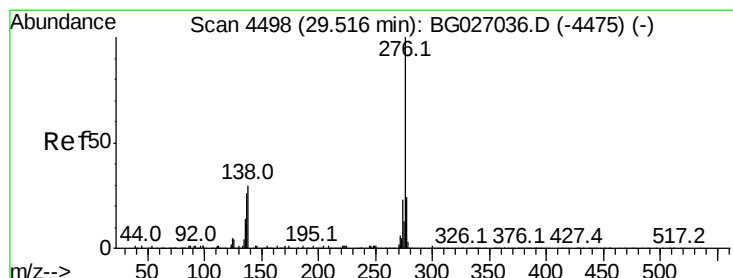
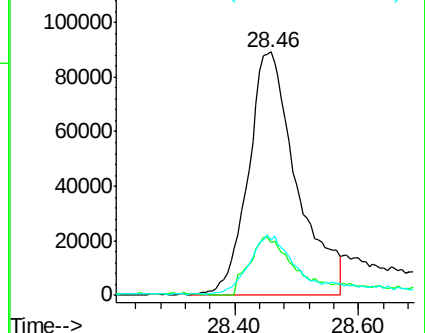
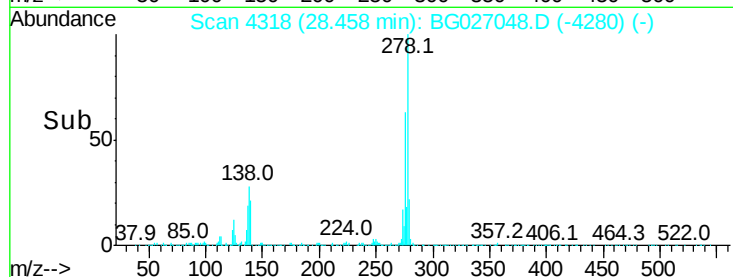
279 22.8 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 6.03 ng/ul

RT: 29.53 min Scan# 4501

Delta R.T. 0.02 min

Lab File: BG027048.D

Acq: 19 May 2017 20:19

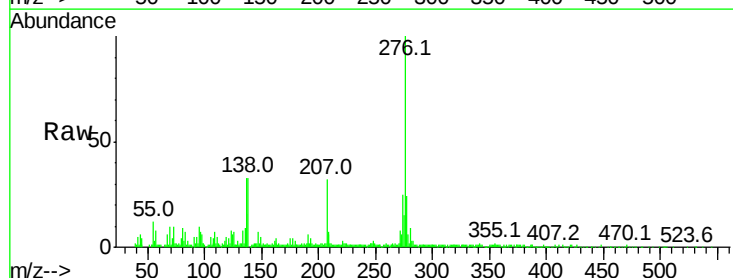
Tgt Ion:276 Resp: 151229

Ion Ratio Lower Upper

276 100

138 33.1 15.3 22.9#

277 23.6 19.0 28.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

