

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052317\
 Data File : BG027077.D
 Acq On : 23 May 2017 3:28
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 23 04:01:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 23 02:44:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	208291	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	981765	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	511978	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	964500	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	882500	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	732861	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.31	160	1089088	20.74	ng/ul	0.00
10) Fluorene-d10	15.61	176	717212	20.47	ng/ul	0.00
14) Anthracene-d10	17.36	188	964500	20.51	ng/ul	-0.10
18) Pyrene-d10	19.74	212	924318	20.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.55	264	811618	22.29	ng/ul	0.00

Target Compounds

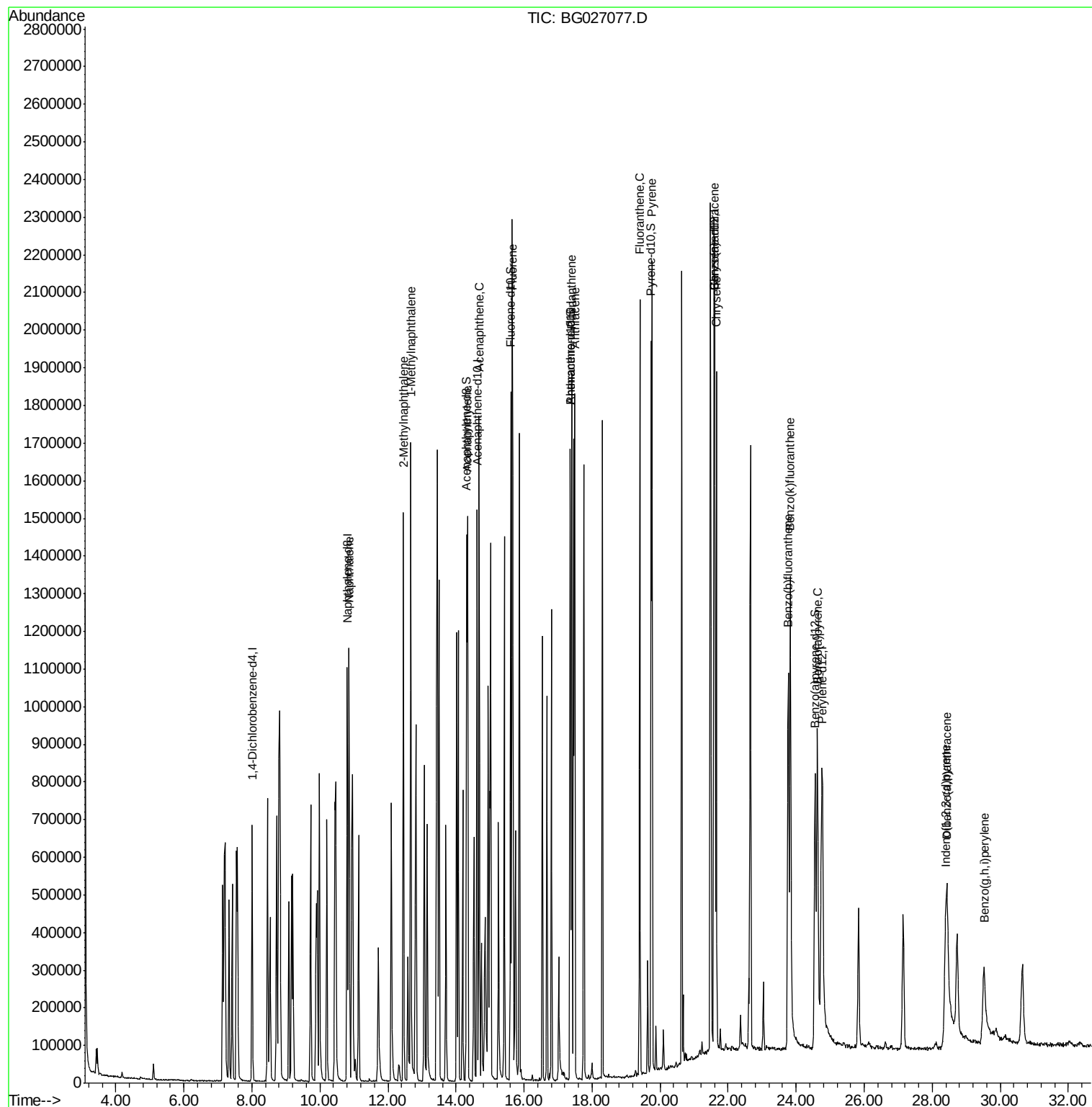
						Ovalue
3) Naphthalene	10.86	128	1041396	20.44	ng/ul	99
4) 2-Methylnaphthalene	12.46	142	763177	20.22	ng/ul	99
5) 1-Methylnaphthalene	12.67	142	825268	20.31	ng/ul#	92
8) Acenaphthylene	14.34	152	1094599	20.74	ng/ul	98
9) Acenaphthene	14.68	153	758365	20.99	ng/ul	97
11) Fluorene	15.66	166	788164	20.47	ng/ul	95
13) Phenanthrene	17.40	178	1111971	20.62	ng/ul	97
15) Anthracene	17.49	178	1147171	20.71	ng/ul	97
16) Fluoranthene	19.40	202	1155562	20.96	ng/ul#	91
19) Pyrene	19.76	202	1182047	20.49	ng/ul#	87
20) Benzo(a)anthracene	21.59	228	1056920	19.88	ng/ul	97
21) Chrysene	21.65	228	971123	19.89	ng/ul	99
23) Benzo(b)fluoranthene	23.77	252	932583	21.41	ng/ul#	96
24) Benzo(k)fluoranthene	23.83	252	1086098	24.24	ng/ul#	96
26) Benzo(a)pyrene	24.62	252	931565	21.86	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	28.39	276	655477	16.72	ng/ul#	82
28) Dibenzo(a,h)anthracene	28.43	278	552846	16.34	ng/ul#	94
29) Benzo(a,h,i)perylene	29.52	276	354964	11.39	ng/ul#	85

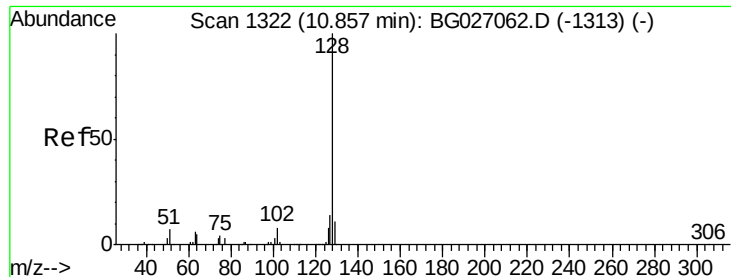
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052317\
Data File : BG027077.D
Acq On : 23 May 2017 3:28
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: May 23 04:01:40 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 23 02:44:34 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 20.44 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Instrument :

BNA_G

ClientSampleId :

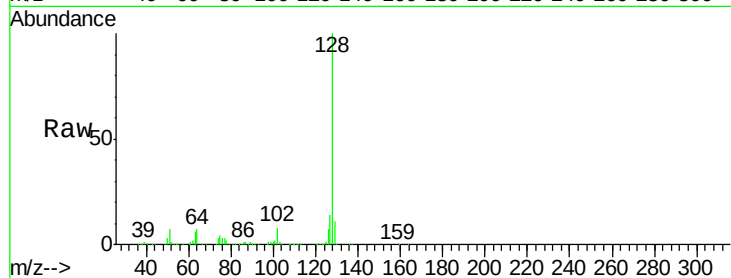
Tot Ion:128 Resp: 1041396

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

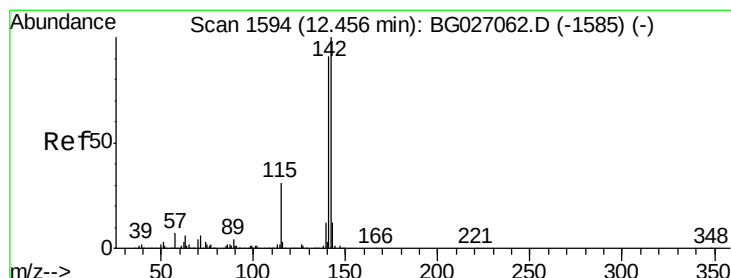
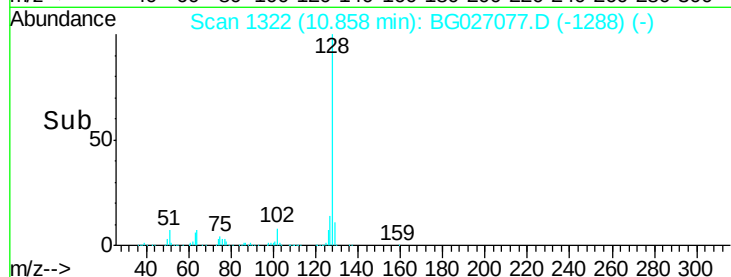
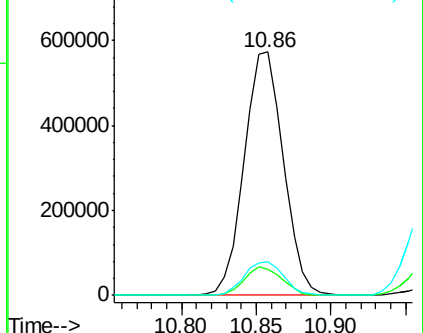
127 14.1 10.6 16.0



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: 20.22 ng/ul

RT: 12.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BG027077.D

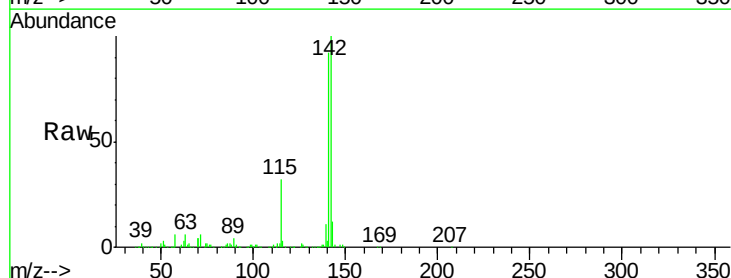
Acq: 23 May 2017 3:28

Tgt Ion:142 Resp: 763177

Ion Ratio Lower Upper

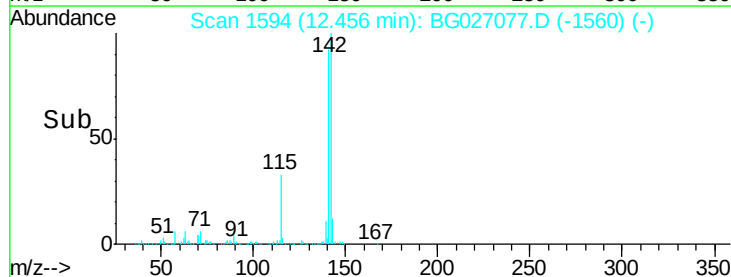
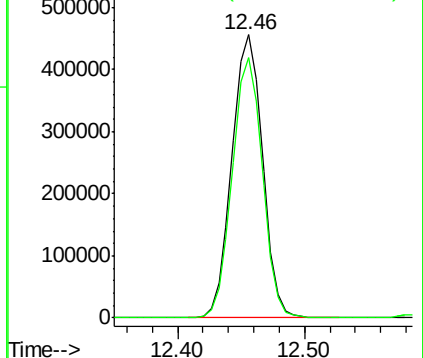
142 100

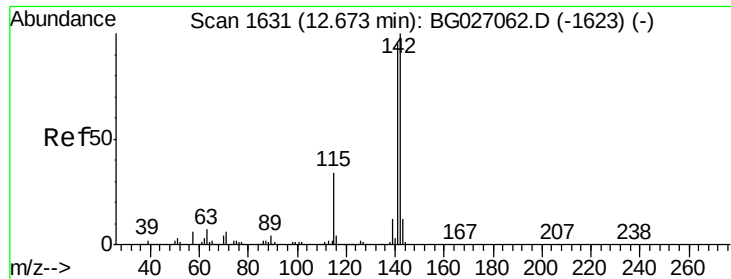
141 92.1 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.31 ng/ul

RT: 12.67 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Instrument :

BNA_G

ClientSampleId :

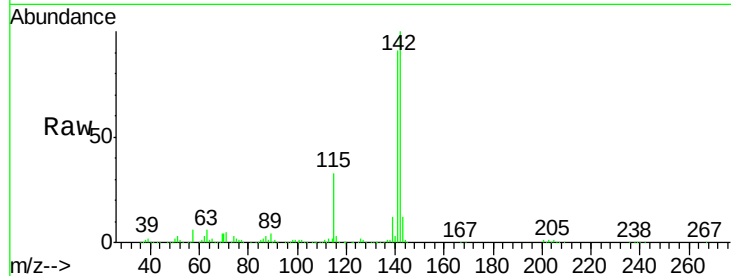
Tot Ion:142 Resp: 825268

Ion Ratio Lower Upper

142 100

141 91.3 79.3 118.9

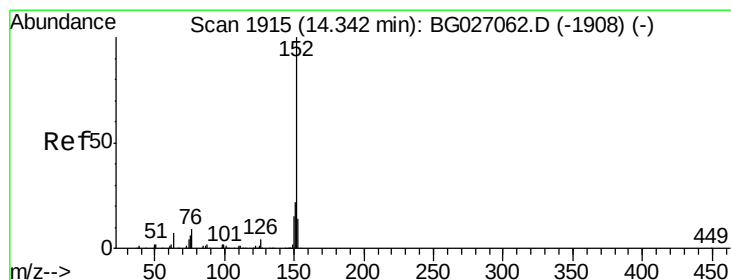
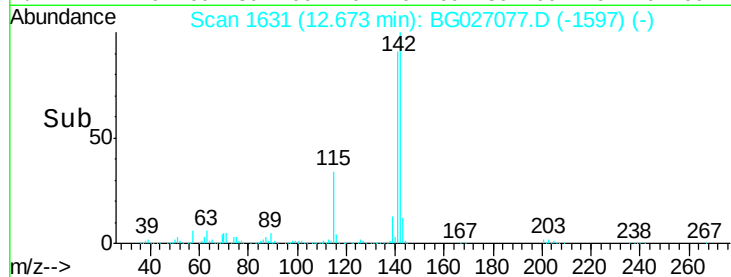
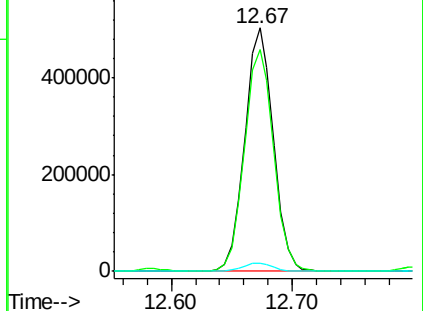
116 3.3 4.2 6.2#



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: 20.74 ng/ul

RT: 14.34 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

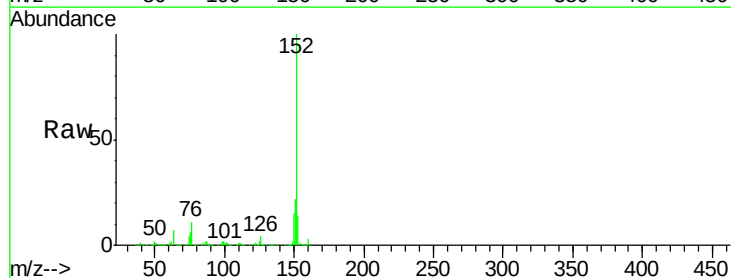
Tgt Ion:152 Resp: 1094599

Ion Ratio Lower Upper

152 100

151 22.0 16.7 25.1

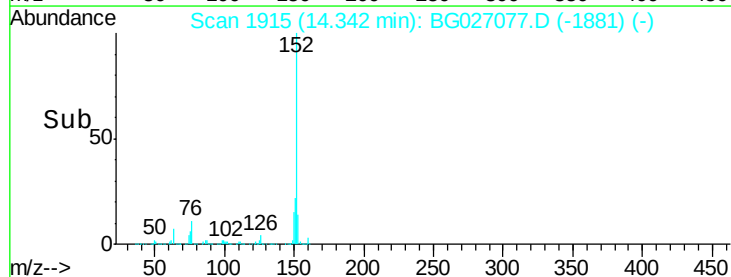
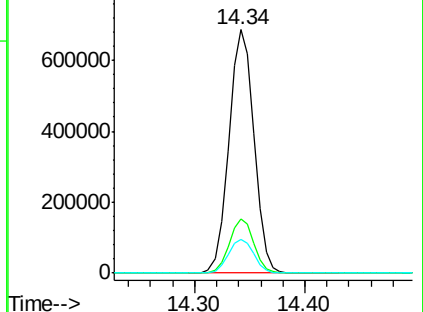
153 13.8 10.2 15.4

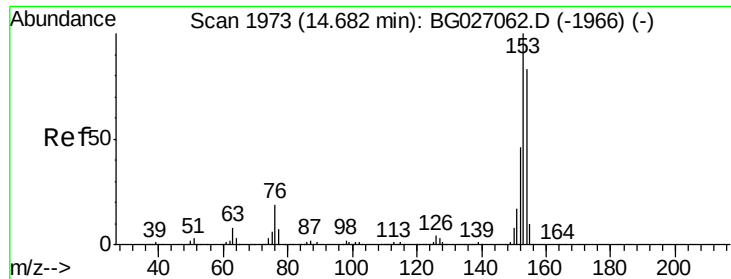


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.99 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Instrument :

BNA_G

ClientSampleId :

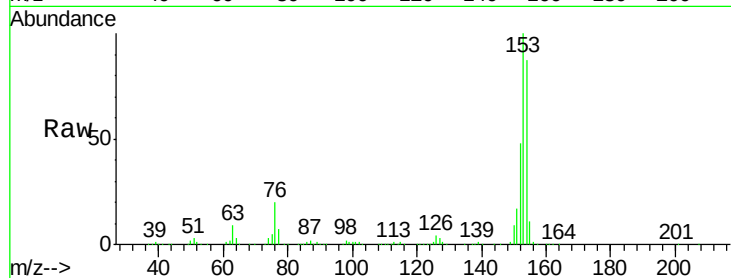
Tot Ion:153 Resp: 758365

Ion Ratio Lower Upper

153 100

152 48.0 39.0 58.6

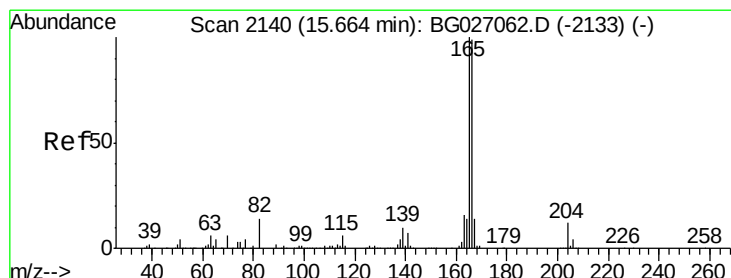
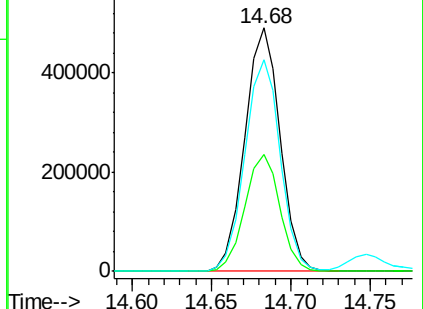
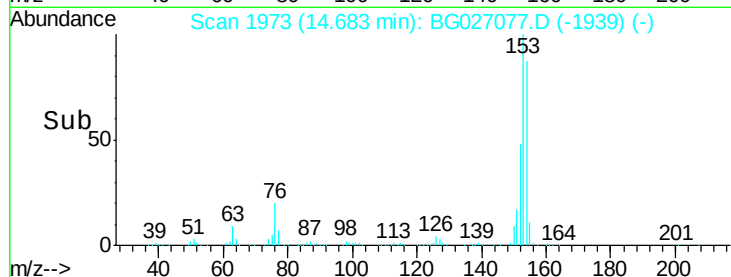
154 87.0 66.8 100.2



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: 20.47 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

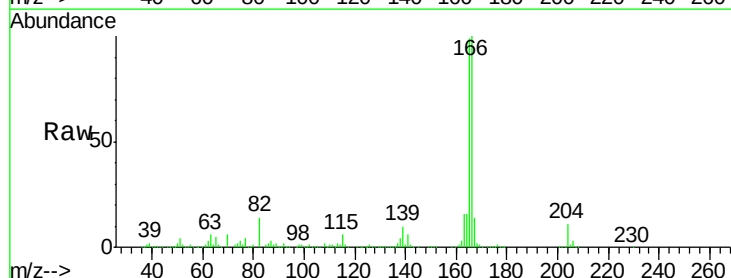
Tgt Ion:166 Resp: 788164

Ion Ratio Lower Upper

166 100

165 98.7 83.8 125.8

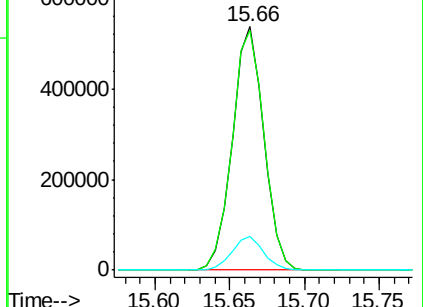
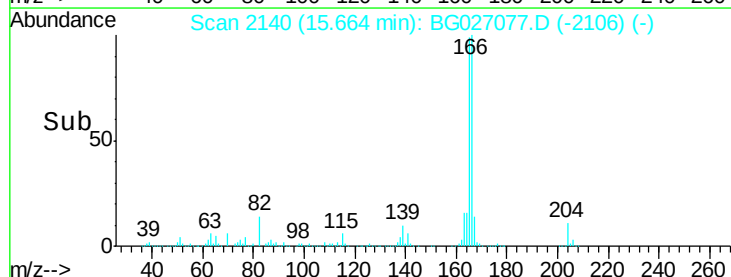
167 13.9 11.5 17.3

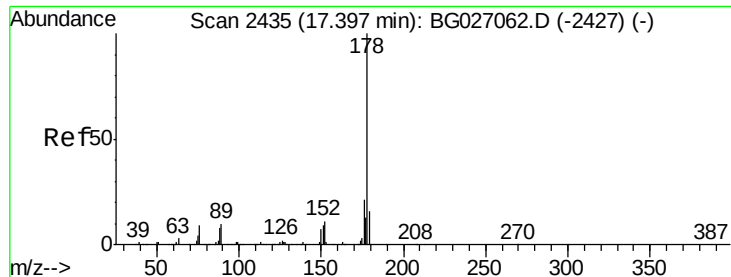


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.62 ng/ul

RT: 17.40 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

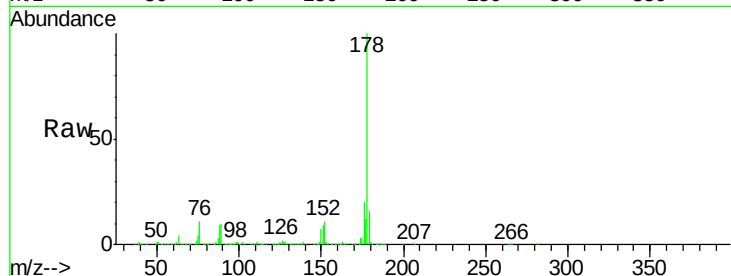
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 1111971

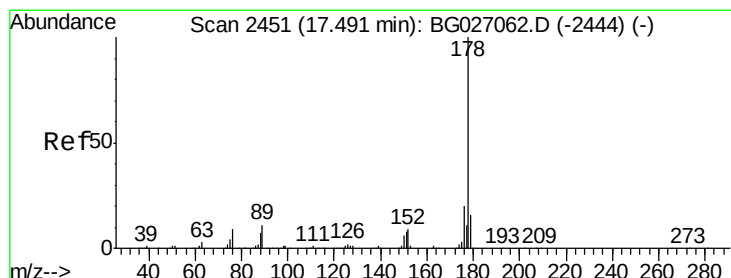
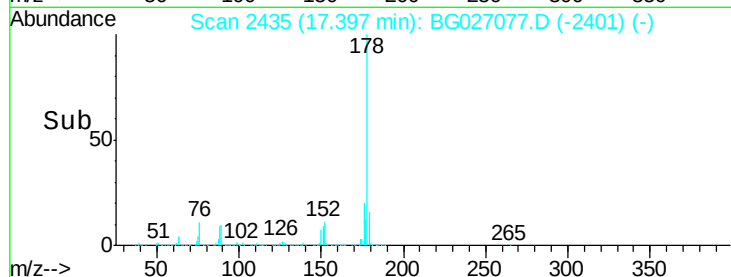
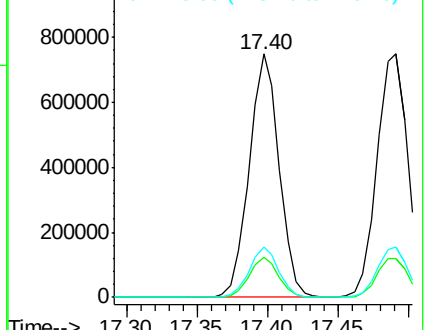
Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	20.5	15.1	22.7



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: 20.71 ng/ul

RT: 17.49 min Scan# 2451

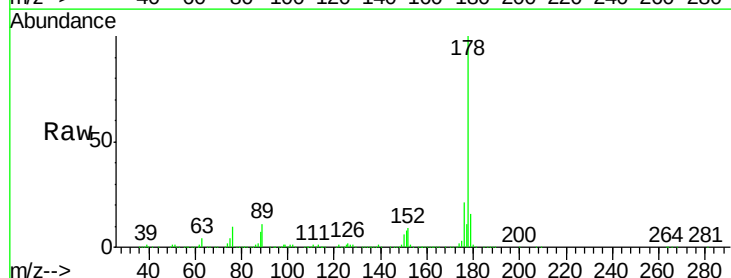
Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Tgt Ion:178 Resp: 1147171

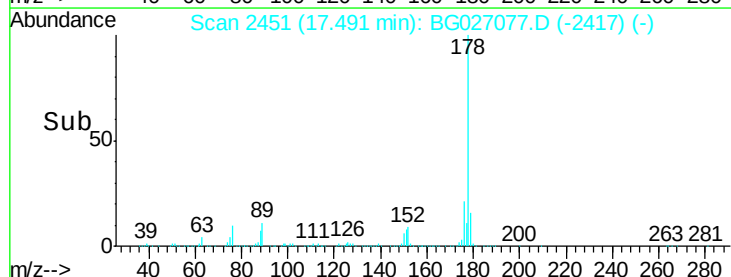
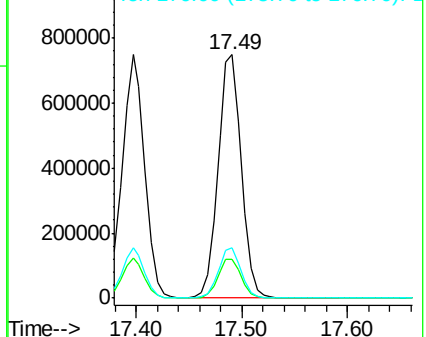
Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.8	17.8
176	20.9	15.2	22.8

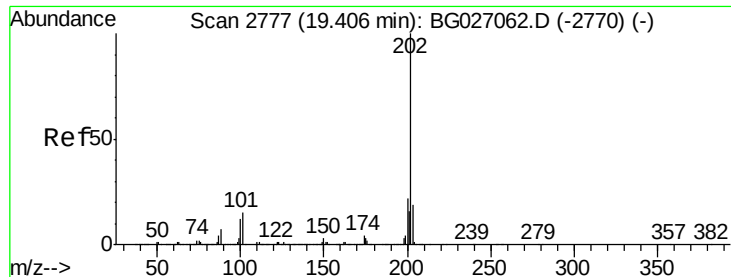


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

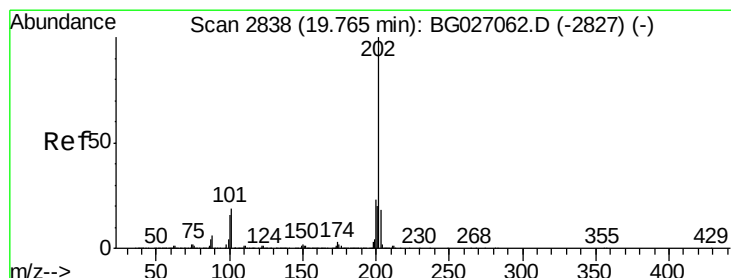
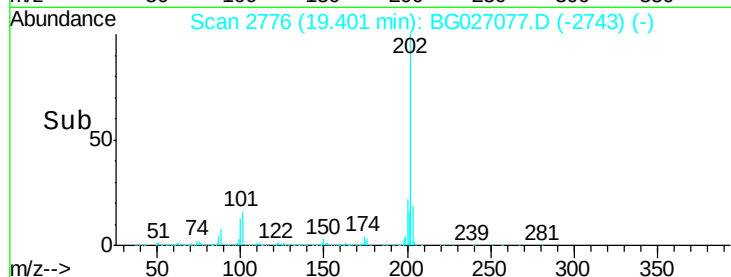
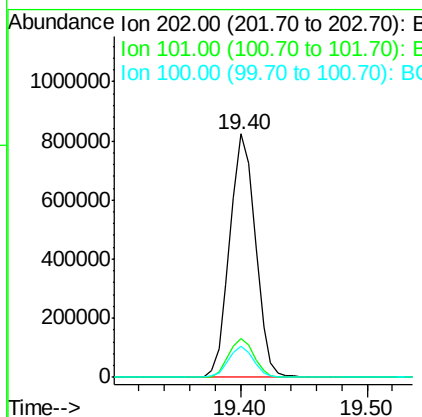
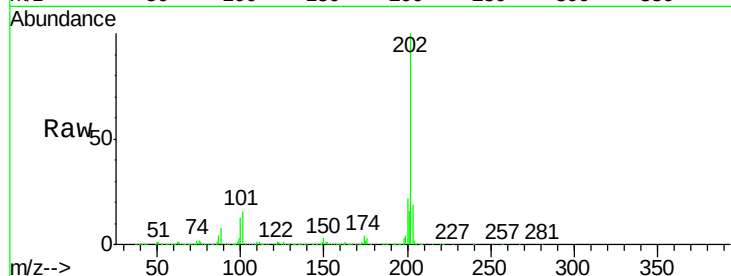




#16
 Fluoranthene
 Concen: 20.96 ng/ul
 RT: 19.40 min Scan# 2776
 Delta R.T. -0.01 min
 Lab File: BG027077.D
 Acq: 23 May 2017 3:28

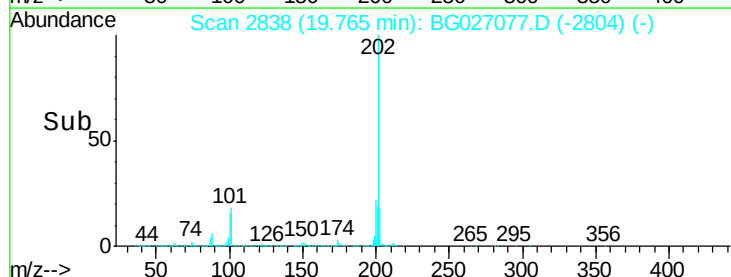
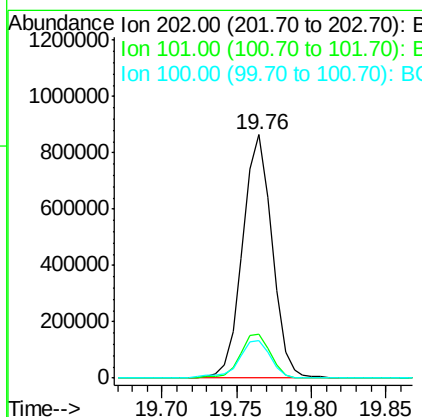
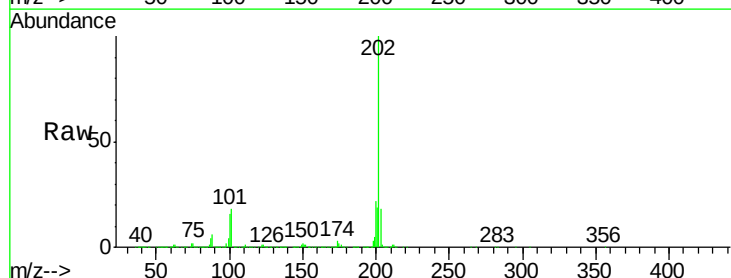
Instrument :
 BNA_G
 ClientSampleId :

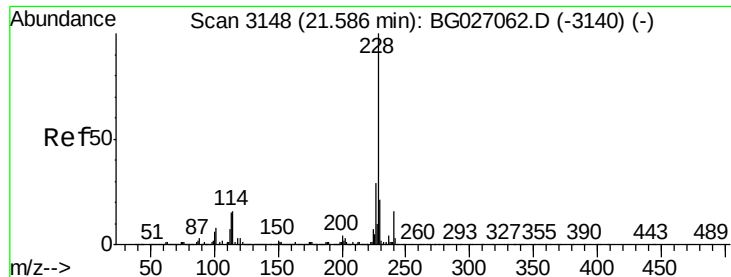
Tot Ion:202 Resp: 1155562
 Ion Ratio Lower Upper
 202 100
 101 15.7 9.9 14.9#
 100 12.7 7.4 11.0#



#19
 Pyrene
 Concen: 20.49 ng/ul
 RT: 19.76 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG027077.D
 Acq: 23 May 2017 3:28

Tgt Ion:202 Resp: 1182047
 Ion Ratio Lower Upper
 202 100
 101 18.3 11.0 16.4#
 100 15.5 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 19.88 ng/ul

RT: 21.59 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

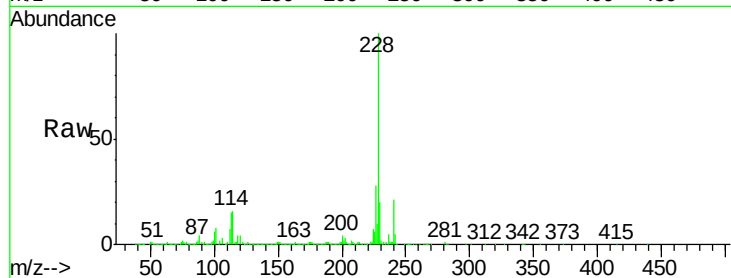
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1056920

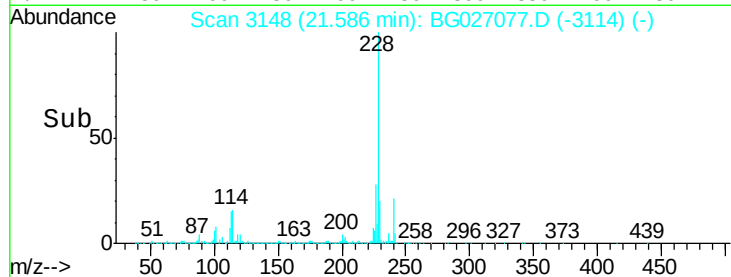
Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.7	23.5
226	28.0	21.1	31.7



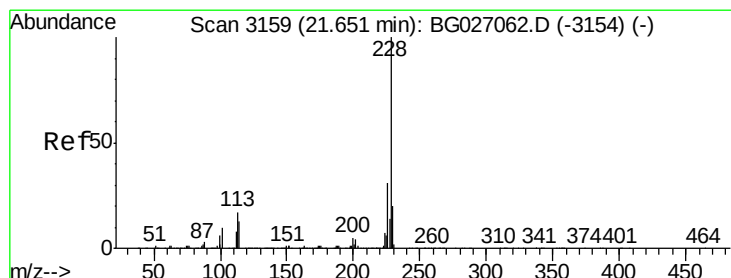
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#21

Chrysene

Concen: 19.89 ng/ul

RT: 21.65 min Scan# 3159

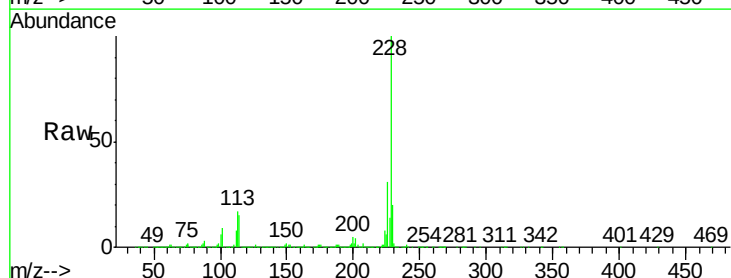
Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Tgt Ion:228 Resp: 971123

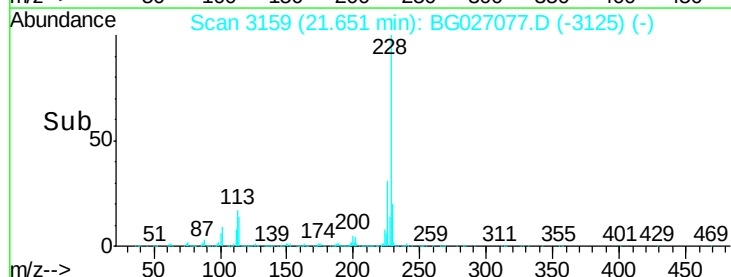
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.5	36.7
229	20.3	15.8	23.8



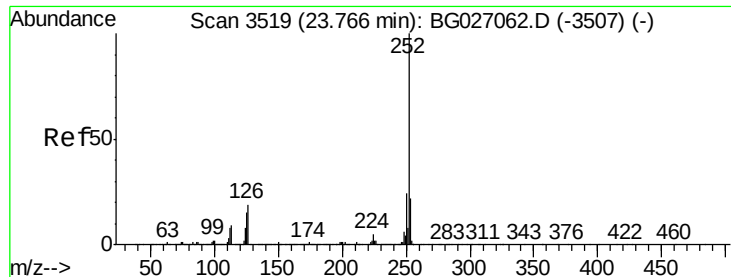
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#23

Benzo(b)fluoranthene

Concen: 21.41 ng/ul

RT: 23.77 min Scan# 3519

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Instrument :

BNA_G

ClientSampleId :

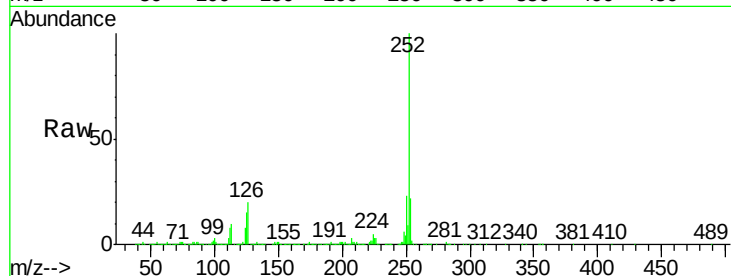
Tot Ion:252 Resp: 932583

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

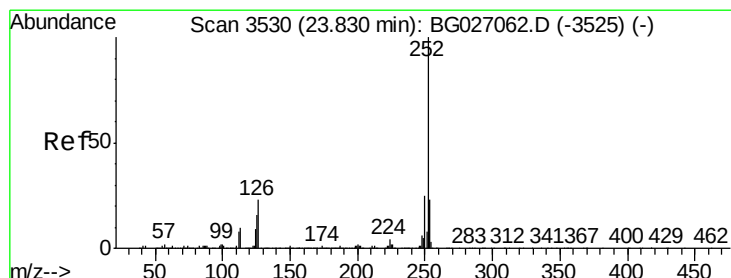
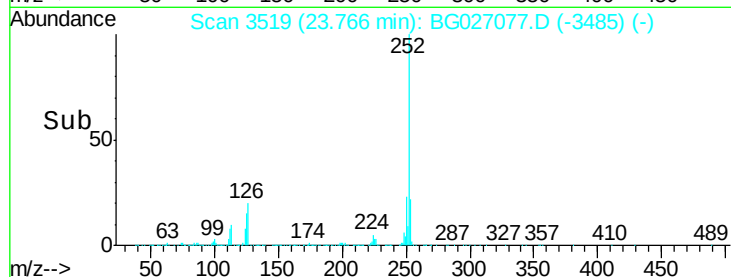
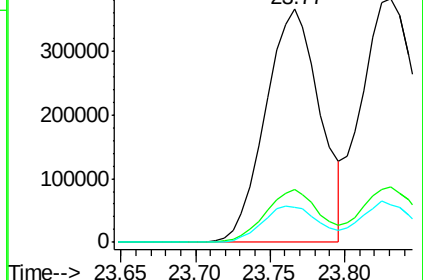
125 15.2 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 24.24 ng/ul

RT: 23.83 min Scan# 3530

Delta R.T. 0.00 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

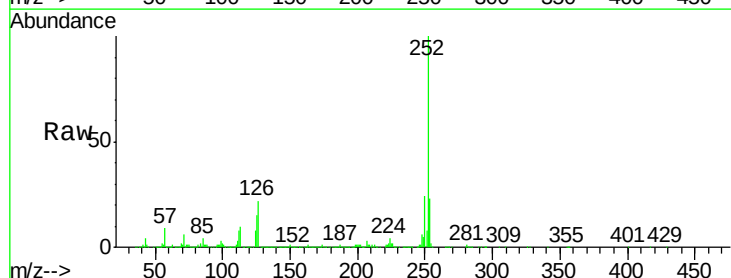
Tgt Ion:252 Resp: 1086098

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

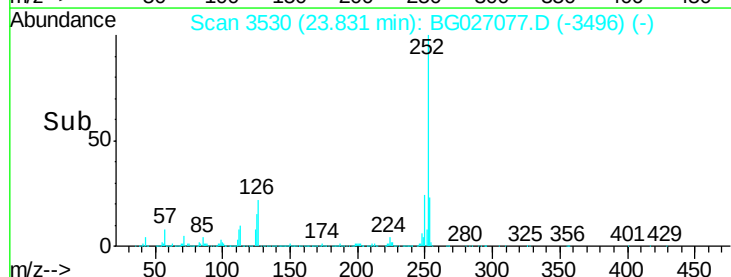
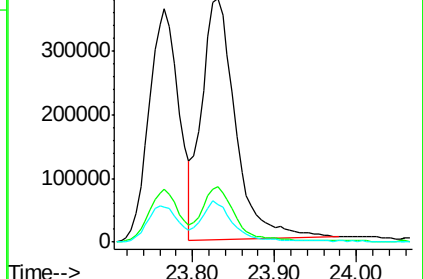
125 15.4 8.1 12.1#

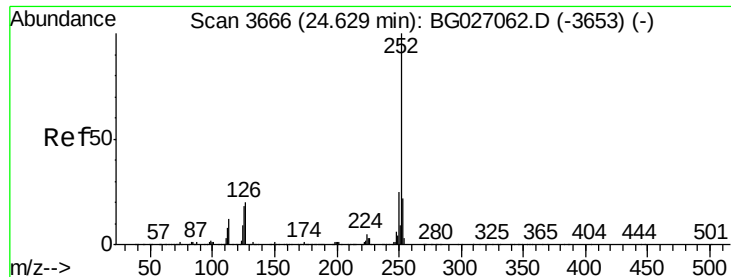


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 21.86 ng/ul

RT: 24.62 min Scan# 3665

Delta R.T. -0.01 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

Instrument :

BNA_G

ClientSampleId :

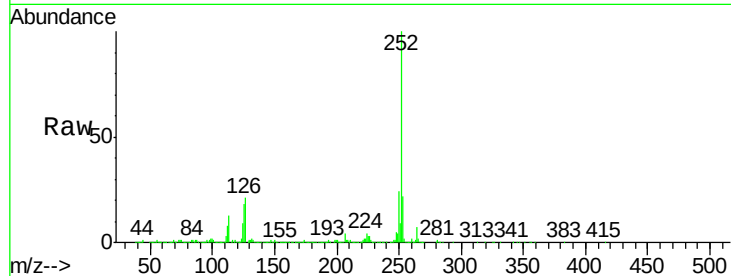
Tot Ion:252 Resp: 931565

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

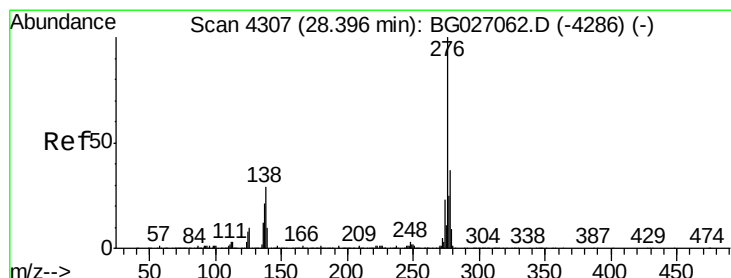
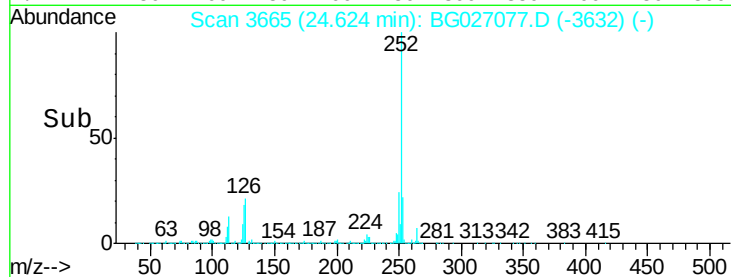
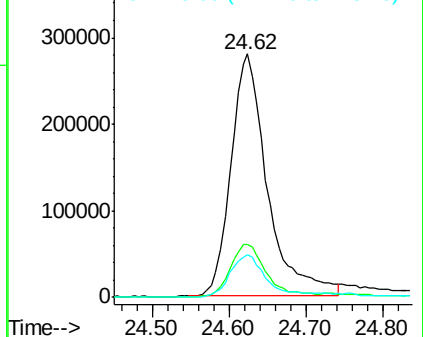
125 17.8 8.2 12.4#



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: 16.72 ng/ul

RT: 28.39 min Scan# 4306

Delta R.T. -0.01 min

Lab File: BG027077.D

Acq: 23 May 2017 3:28

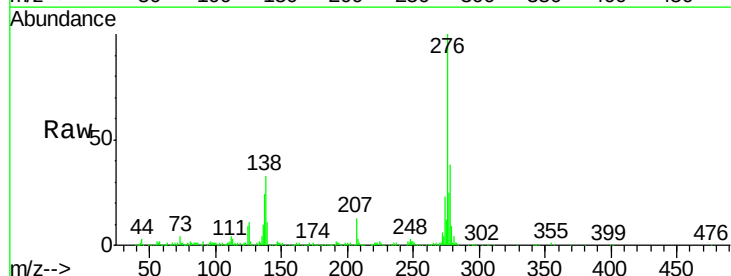
Tgt Ion:276 Resp: 655477

Ion Ratio Lower Upper

276 100

138 32.7 14.4 21.6#

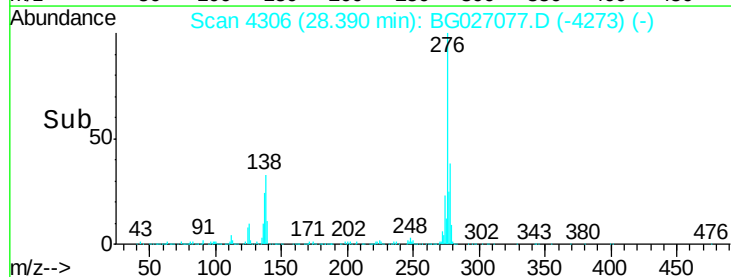
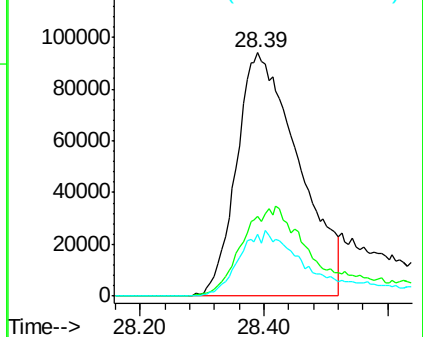
277 25.3 18.0 27.0

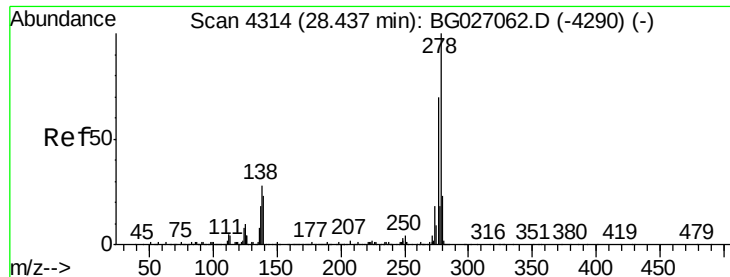


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

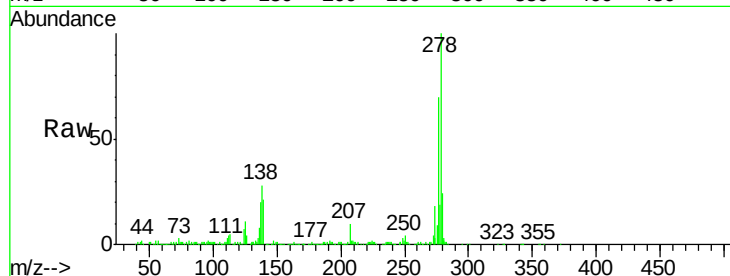




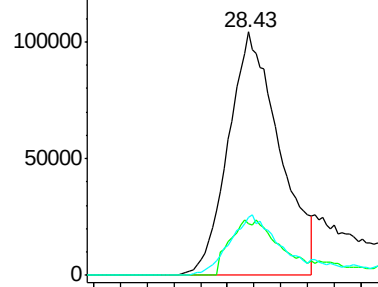
#28
Dibenzo(a,h)anthracene
Concen: 16.34 ng/ul
RT: 28.43 min Scan# 4313
Delta R.T. -0.01 min
Lab File: BG027077.D
Acq: 23 May 2017 3:28

Instrument :
BNA_G
ClientSampled :

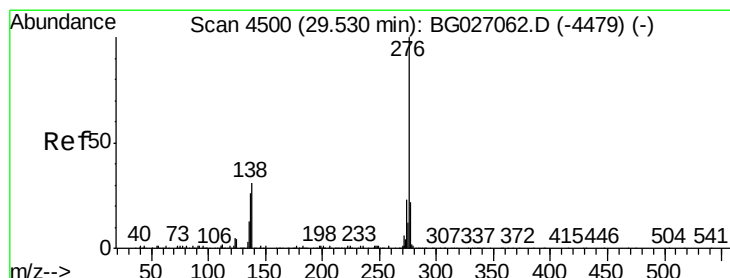
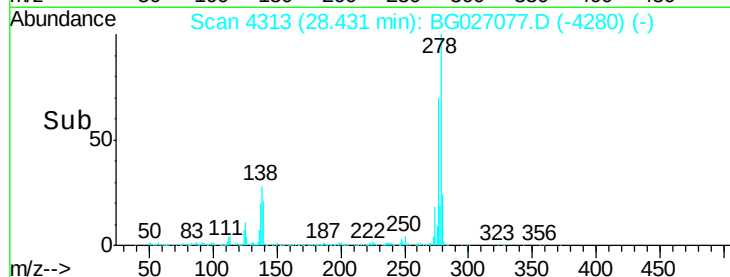
Tot Ion	Ratio	Lower	Upper
278	100		
139	21.2	12.2	18.4#
279	23.8	19.2	28.8



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

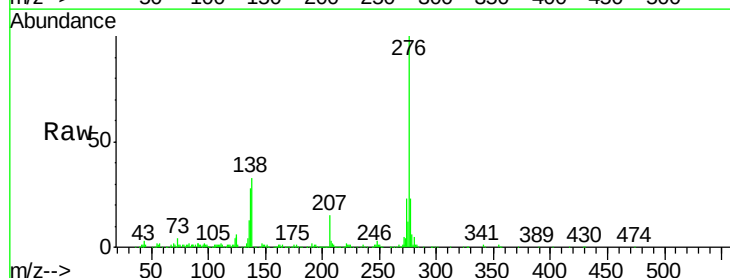


Time-->

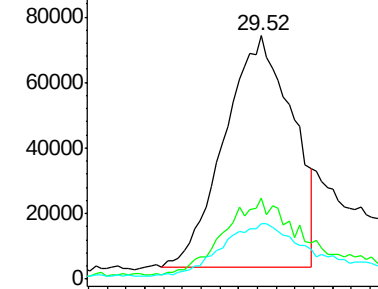


#29
Benzo(g,h,i)perylene
Concen: 11.39 ng/ul
RT: 29.52 min Scan# 4499
Delta R.T. -0.01 min
Lab File: BG027077.D
Acq: 23 May 2017 3:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.3	15.3	22.9#
277	22.7	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



Time-->

