

Data Path : Z:\HPCHEM1\BNA G\Data\BG052617\
 Data File : BG027132.D
 Acq On : 24 May 2017 17:33
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 25 04:50:00 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 24 01:50:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	157996	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	780089	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	439900	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.35	188	839672	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	737290	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	662774	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.31	160	926750	20.54	ng/ul	0.00
10) Fluorene-d10	15.60	176	625742	20.79	ng/ul	0.00
14) Anthracene-d10	17.35	188	839672	20.51	ng/ul	-0.10
18) Pyrene-d10	19.73	212	793588	20.61	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	679445	20.63	ng/ul	0.00

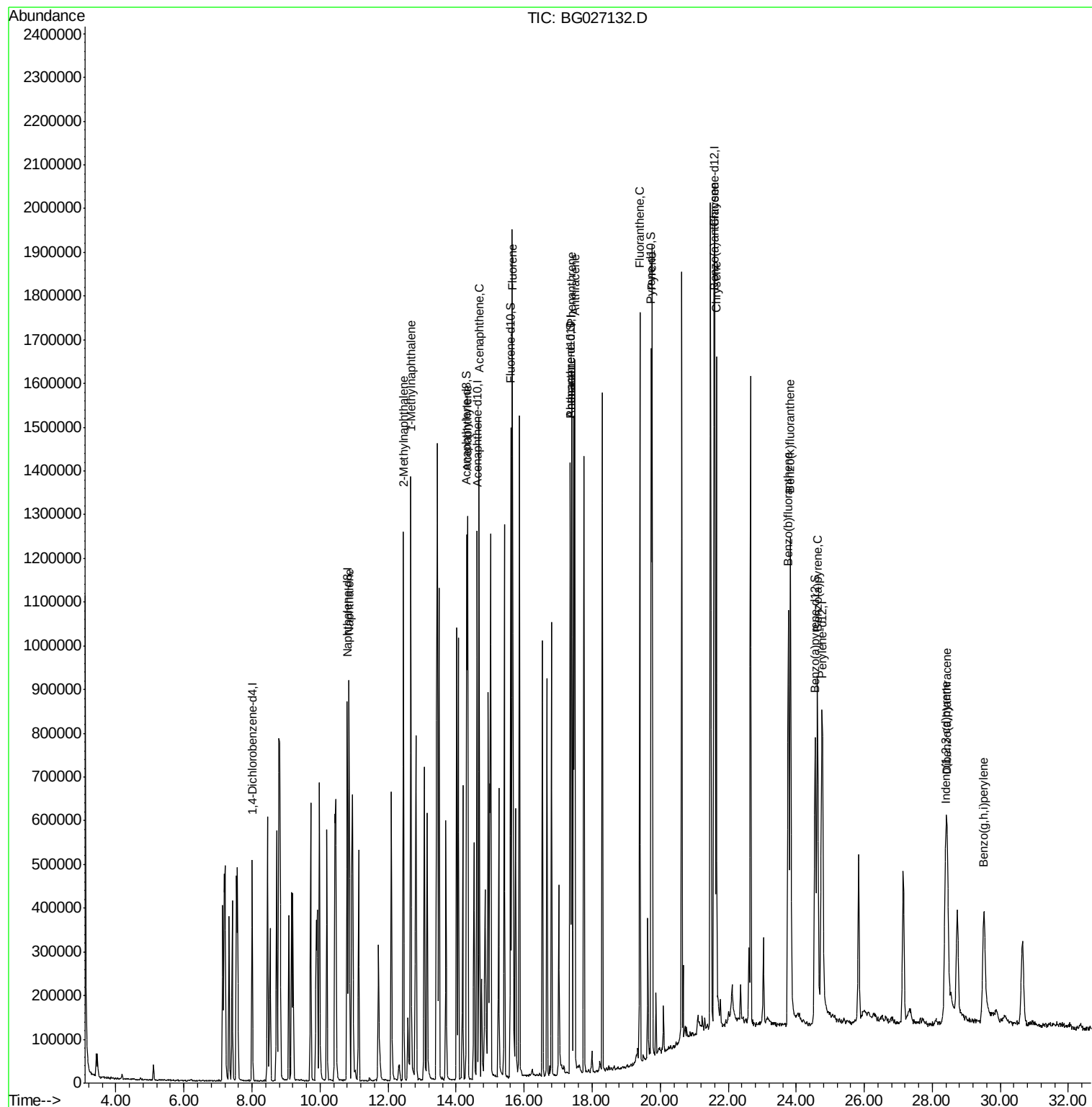
Target Compounds				Ovalue		
3) Naphthalene	10.86	128	825030	20.38	ng/ul	99
4) 2-Methylnaphthalene	12.45	142	619506	20.66	ng/ul	98
5) 1-Methylnaphthalene	12.67	142	666555	20.65	ng/ul#	96
8) Acenaphthylene	14.34	152	937333	20.67	ng/ul	99
9) Acenaphthene	14.68	153	640524	20.63	ng/ul	96
11) Fluorene	15.66	166	685707	20.73	ng/ul	95
13) Phenanthrene	17.39	178	965859	20.58	ng/ul	97
15) Anthracene	17.49	178	990293	20.53	ng/ul	97
16) Fluoranthene	19.40	202	983141	20.49	ng/ul#	93
19) Pyrene	19.76	202	1003222	20.82	ng/ul#	86
20) Benzo(a)anthracene	21.58	228	899289	20.24	ng/ul	97
21) Chrysene	21.65	228	814648	19.98	ng/ul	98
23) Benzo(b)fluoranthene	23.76	252	842798	21.40	ng/ul#	94
24) Benzo(k)fluoranthene	23.83	252	845020	20.86	ng/ul#	94
26) Benzo(a)pyrene	24.62	252	781930	20.29	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	28.38	276	718626	20.27	ng/ul#	85
28) Dibenzo(a,h)anthracene	28.43	278	616802	20.16	ng/ul#	90
29) Benzo(a,h,i)perylene	29.52	276	496285	17.60	ng/ul#	87

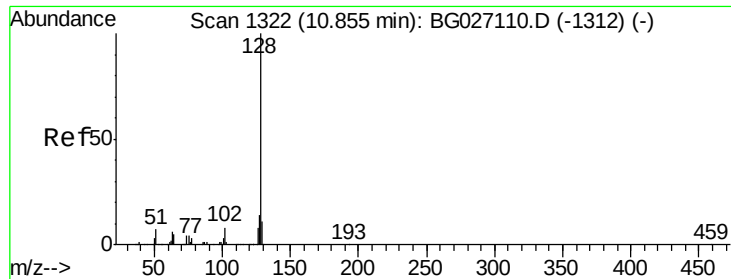
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#3

Naphthalene

Concen: 20.38 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

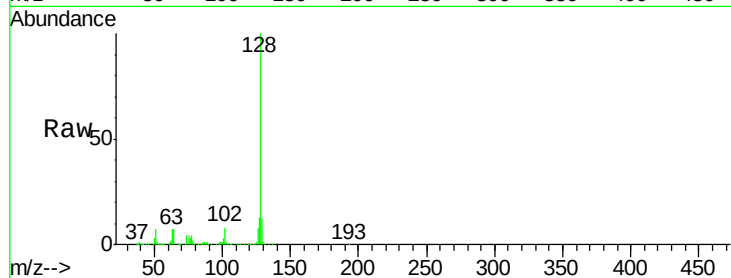
Tot Ion:128 Resp: 825030

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

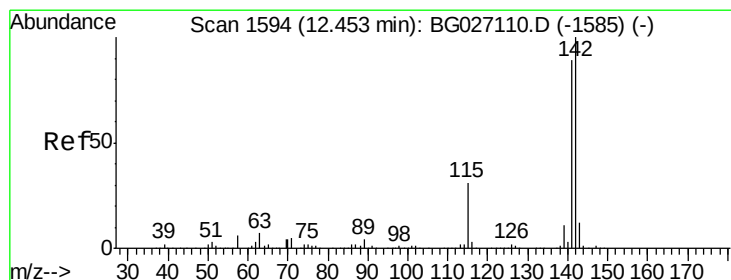
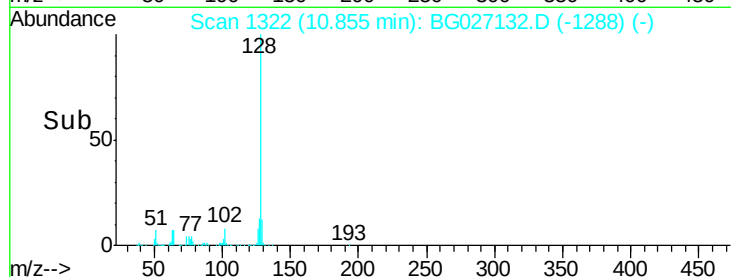
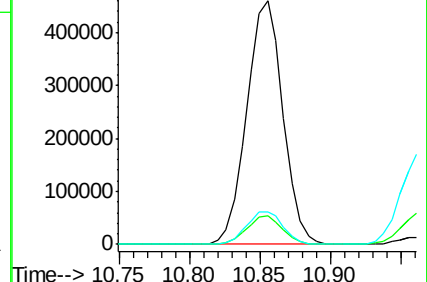
127 13.3 10.6 16.0



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: 20.66 ng/ul

RT: 12.45 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BG027132.D

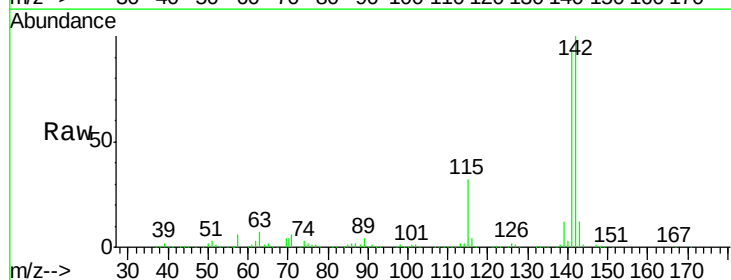
Acq: 24 May 2017 17:33

Tgt Ion:142 Resp: 619506

Ion Ratio Lower Upper

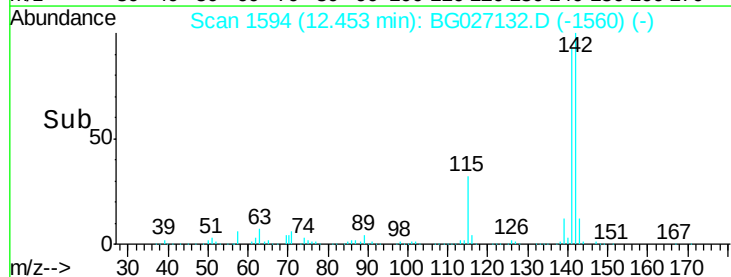
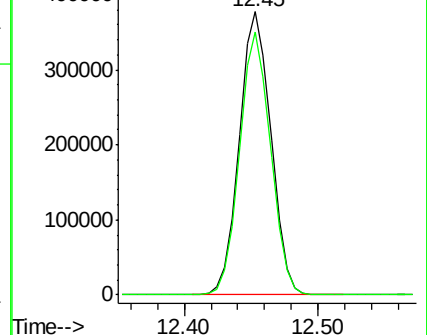
142 100

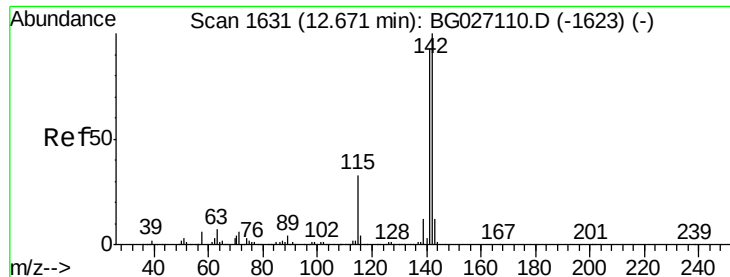
141 92.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.65 ng/ul

RT: 12.67 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

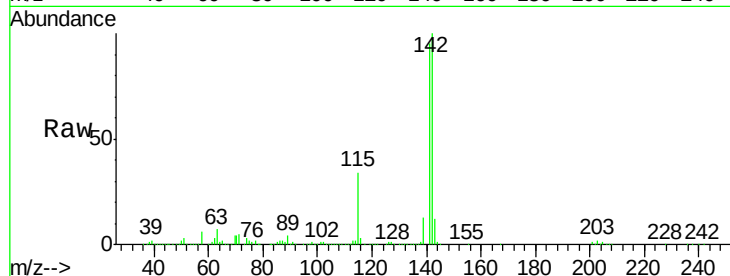
Tot Ion:142 Resp: 666555

Ion Ratio Lower Upper

142 100

141 95.4 79.3 118.9

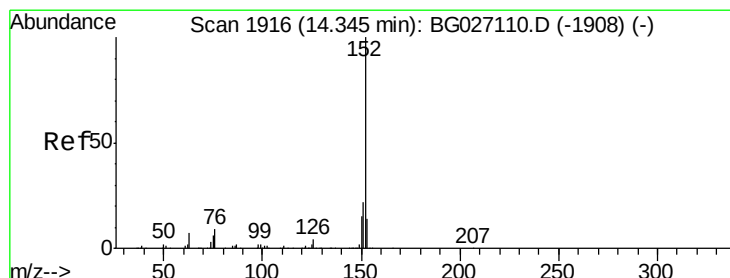
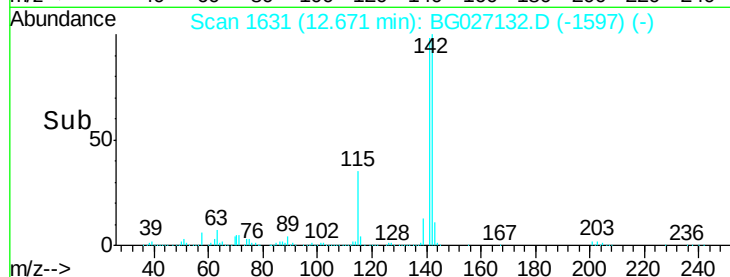
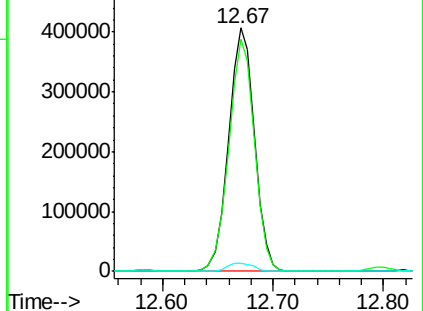
116 3.5 4.2 6.2#



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: 20.67 ng/ul

RT: 14.34 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

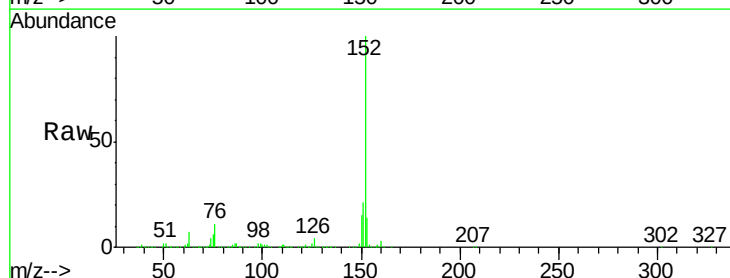
Tgt Ion:152 Resp: 937333

Ion Ratio Lower Upper

152 100

151 20.8 16.7 25.1

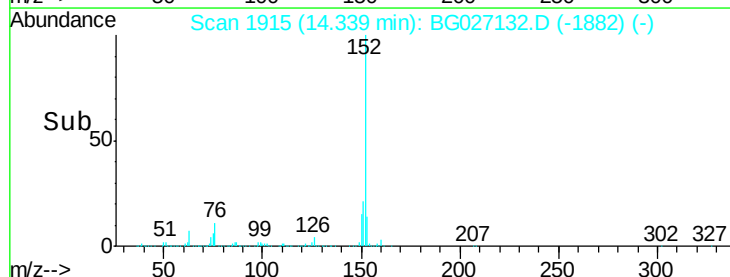
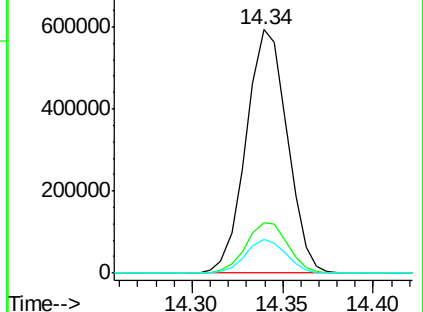
153 13.7 10.2 15.4

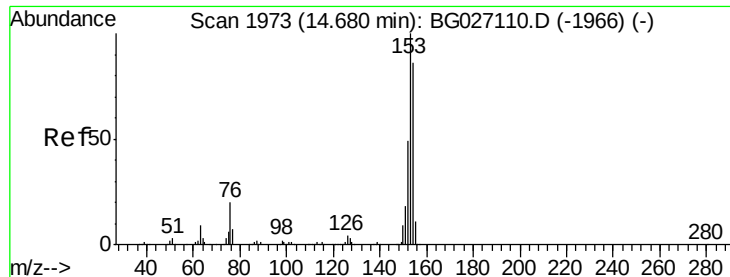


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.63 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

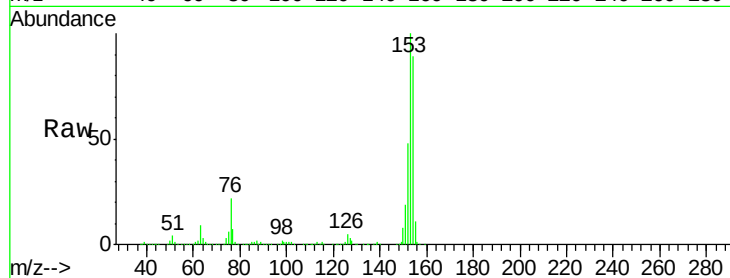
Tot Ion:153 Resp: 640524

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

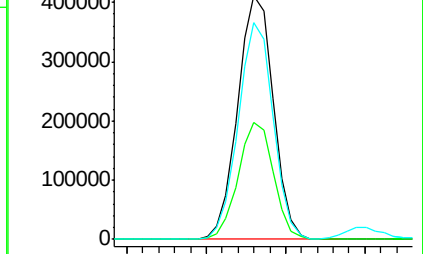
154 89.0 66.8 100.2



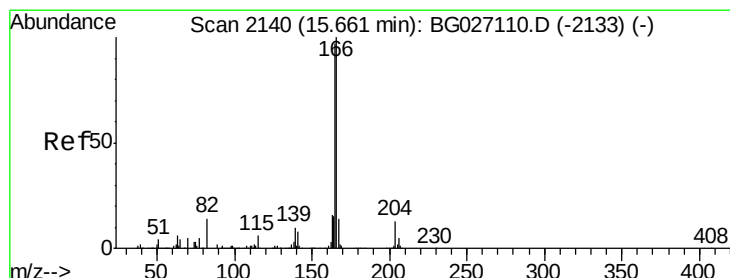
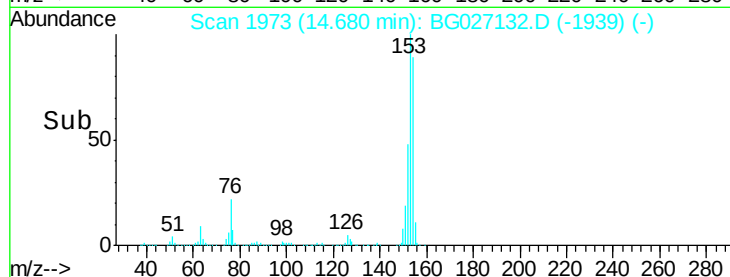
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 20.73 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

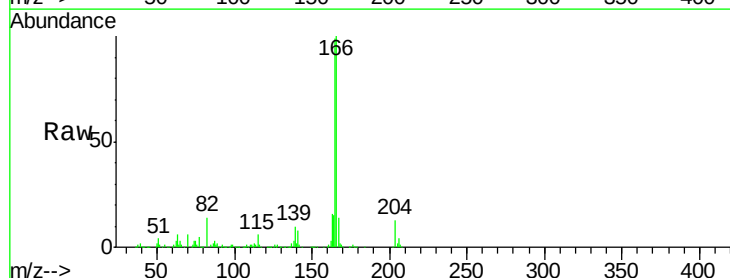
Tgt Ion:166 Resp: 685707

Ion Ratio Lower Upper

166 100

165 98.6 83.8 125.8

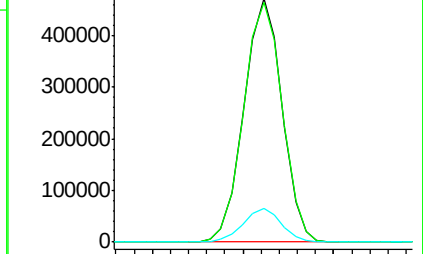
167 13.7 11.5 17.3



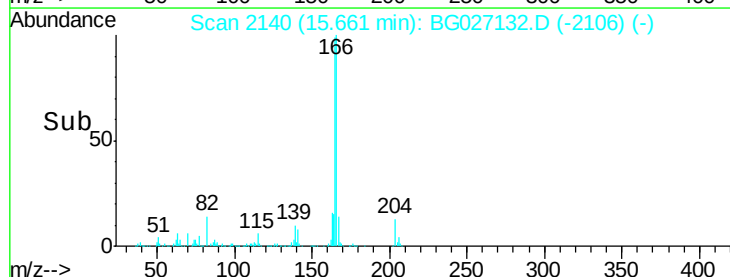
Abundance Ion 166.00 (165.70 to 166.70): E

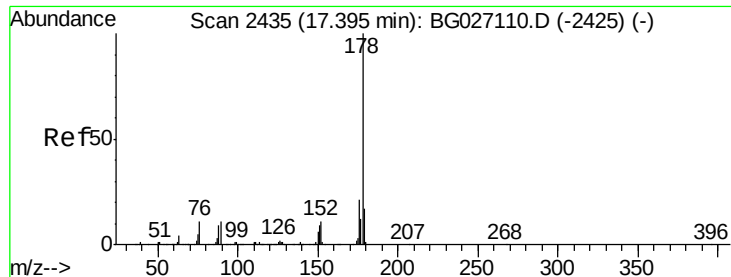
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#13

Phenanthrene

Concen: 20.58 ng/ul

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

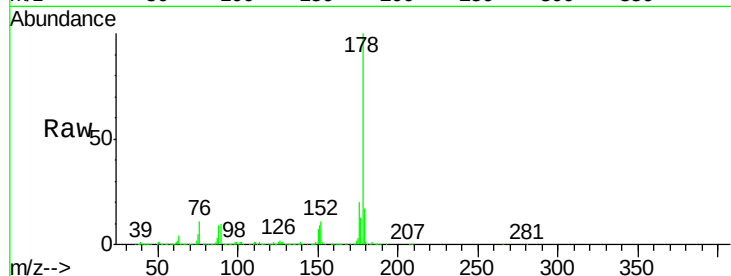
Tot Ion:178 Resp: 965859

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

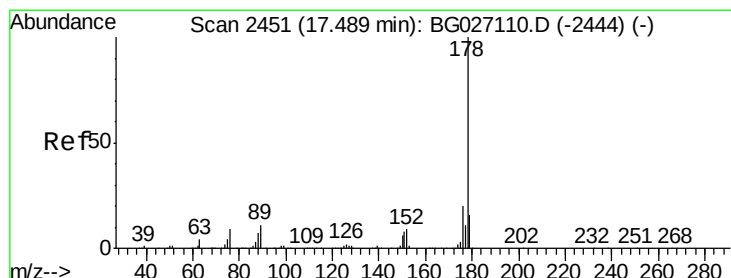
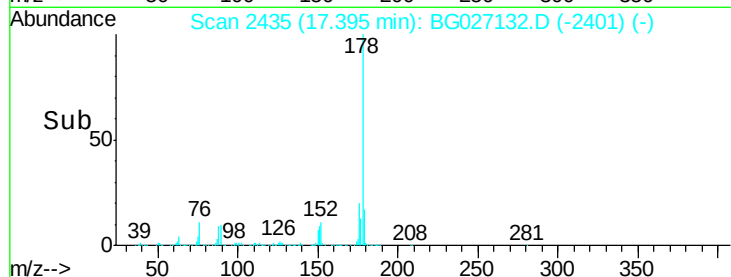
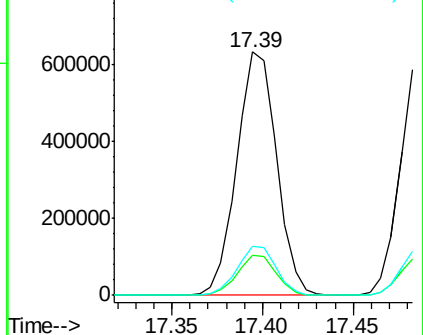
176 20.2 15.1 22.7



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: 20.53 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

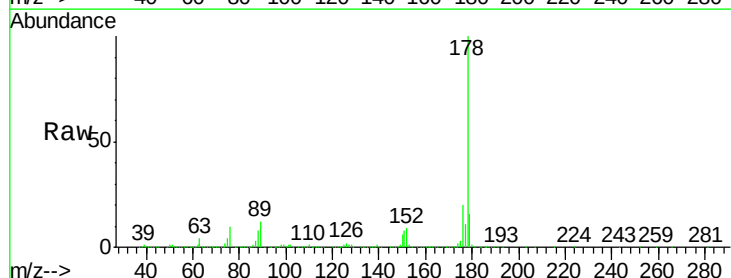
Tgt Ion:178 Resp: 990293

Ion Ratio Lower Upper

178 100

179 16.1 11.8 17.8

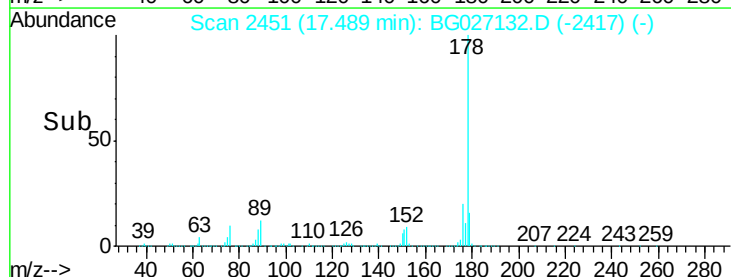
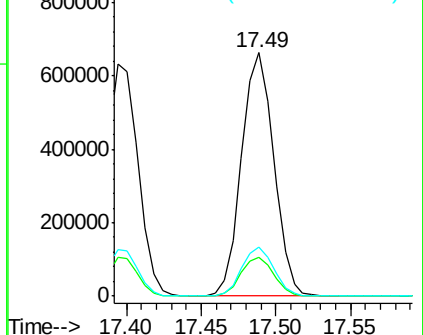
176 20.3 15.2 22.8

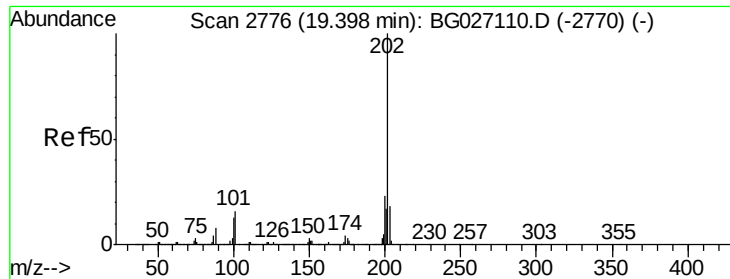


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 20.49 ng/ul

RT: 19.40 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

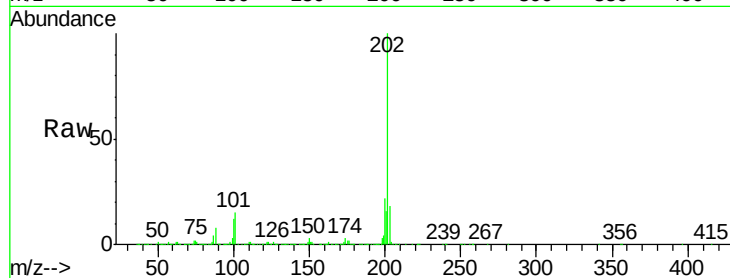
Tot Ion:202 Resp: 983141

Ion Ratio Lower Upper

202 100

101 15.1 9.9 14.9#

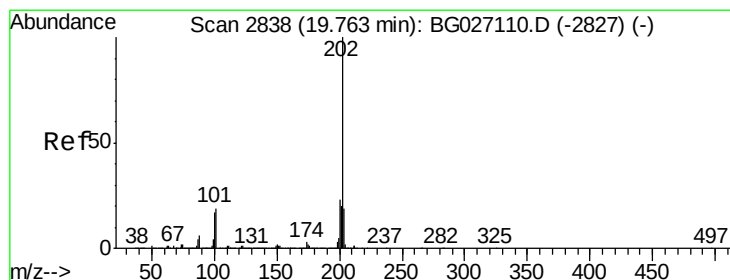
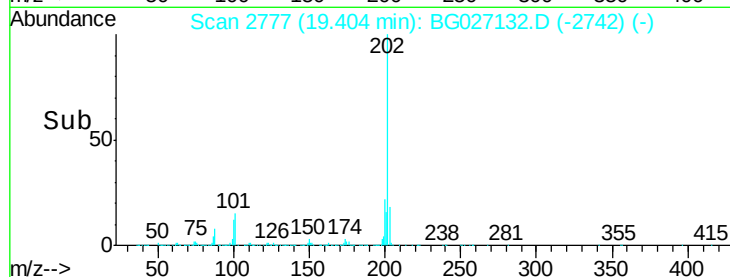
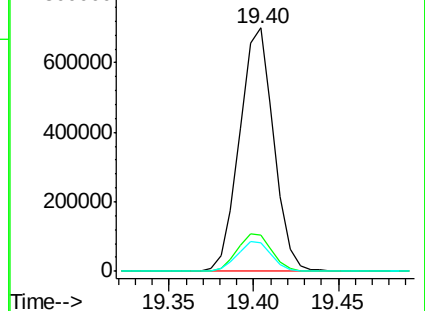
100 11.7 7.4 11.0#



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: 20.82 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

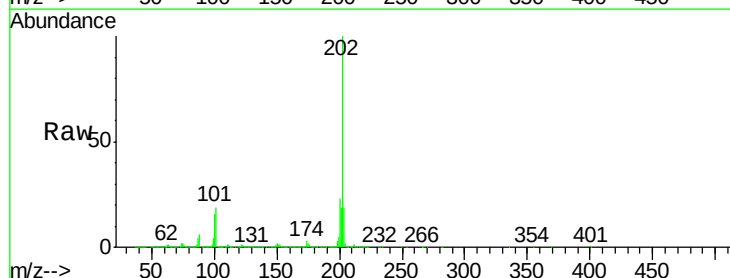
Tgt Ion:202 Resp: 1003222

Ion Ratio Lower Upper

202 100

101 18.7 11.0 16.4#

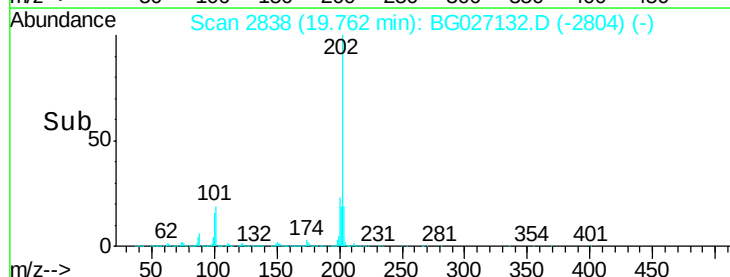
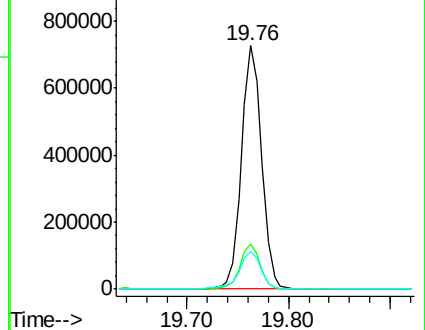
100 15.7 8.1 12.1#

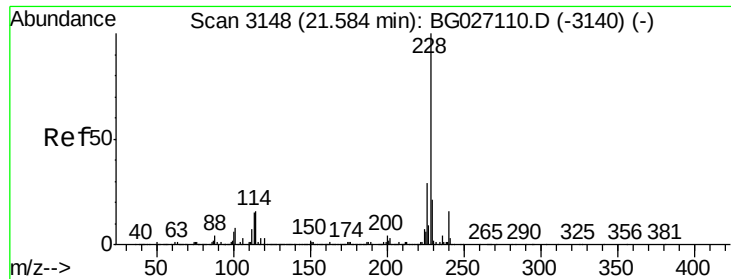


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

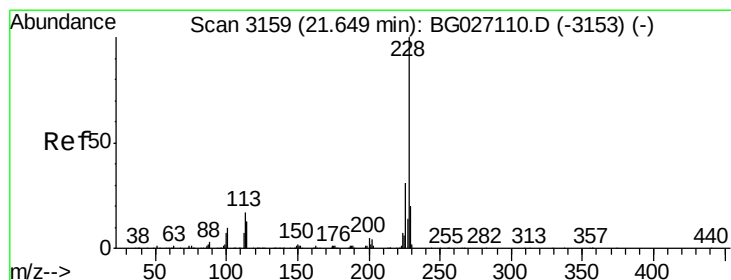
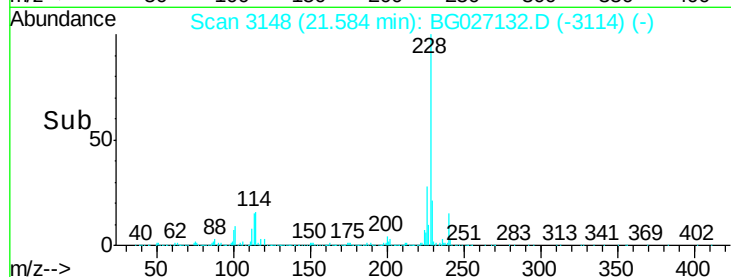
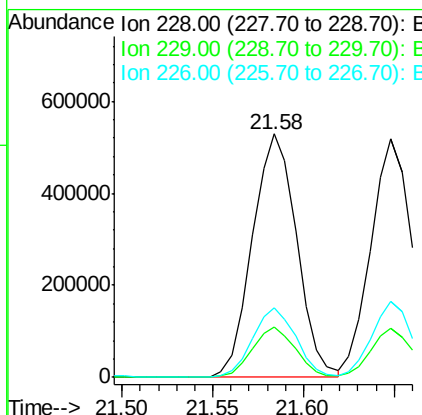
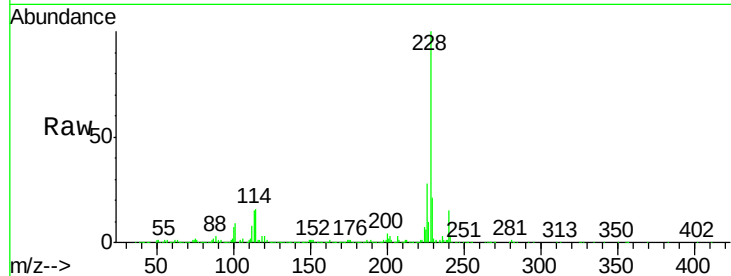




#20
Benzo(a)anthracene
Concen: 20.24 ng/ul
RT: 21.58 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG027132.D
Acq: 24 May 2017 17:33

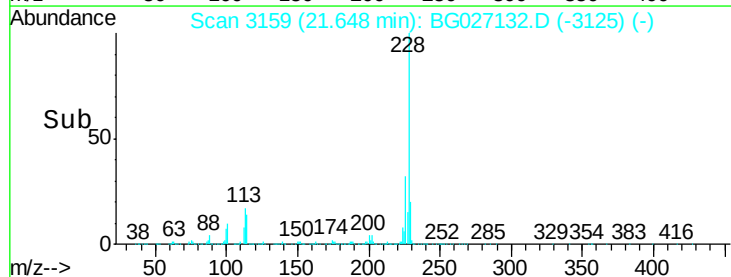
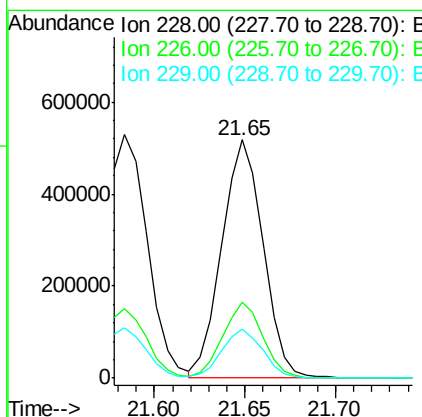
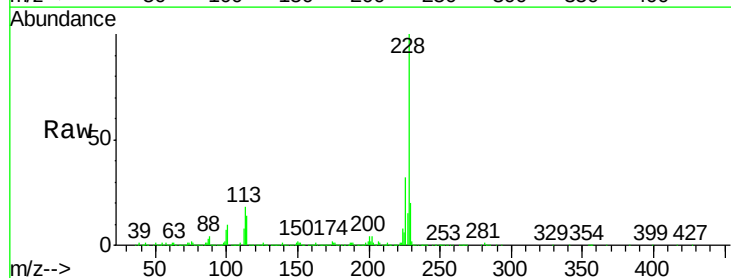
Instrument :
BNA_G
ClientSampleId :

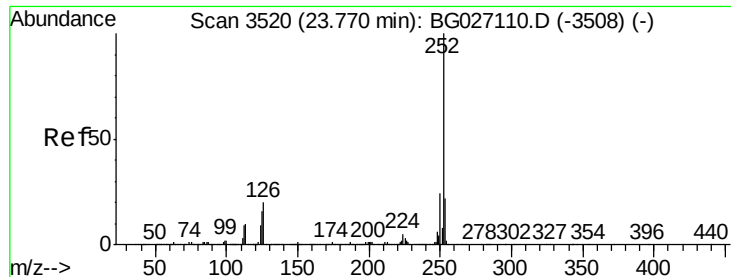
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.7	23.5
226	28.3	21.1	31.7



#21
Chrysene
Concen: 19.98 ng/ul
RT: 21.65 min Scan# 3159
Delta R.T. -0.00 min
Lab File: BG027132.D
Acq: 24 May 2017 17:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.5	36.7
229	20.4	15.8	23.8





#23

Benzo(b)fluoranthene

Concen: 21.40 ng/ul

RT: 23.76 min Scan# 3519

Delta R.T. -0.01 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

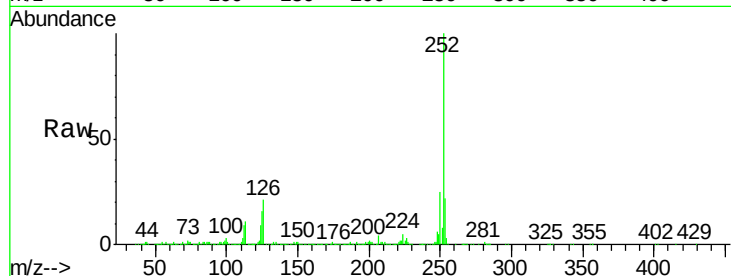
Tot Ion:252 Resp: 842798

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

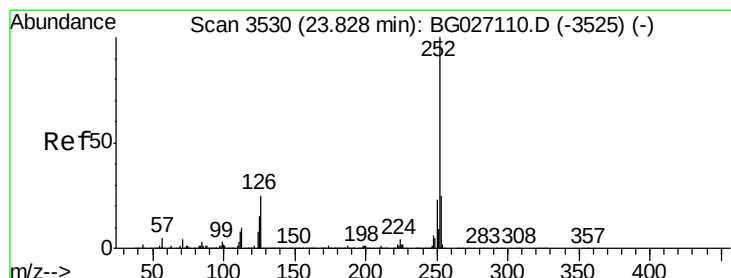
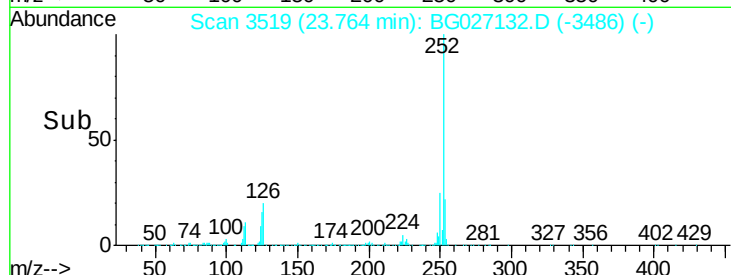
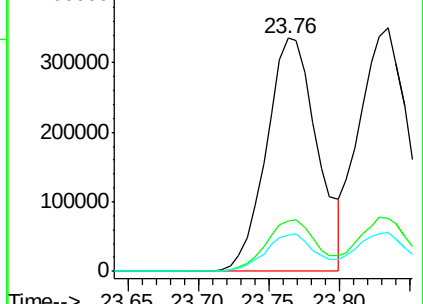
125 15.7 8.0 12.0#



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: 20.86 ng/ul

RT: 23.83 min Scan# 3531

Delta R.T. 0.01 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

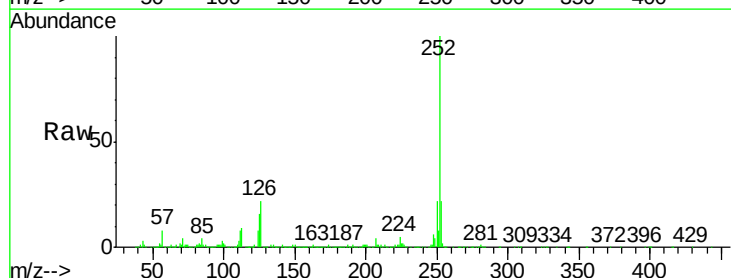
Tgt Ion:252 Resp: 845020

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

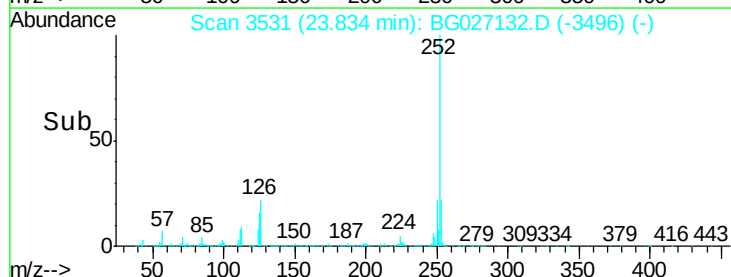
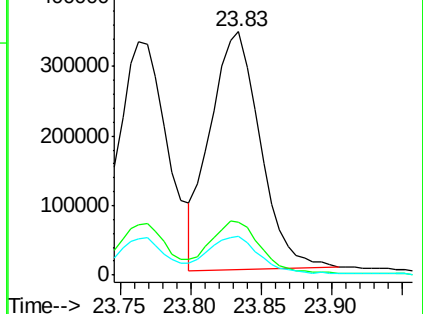
125 15.9 8.1 12.1#

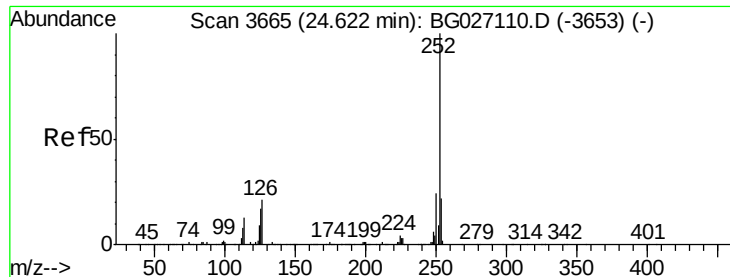


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

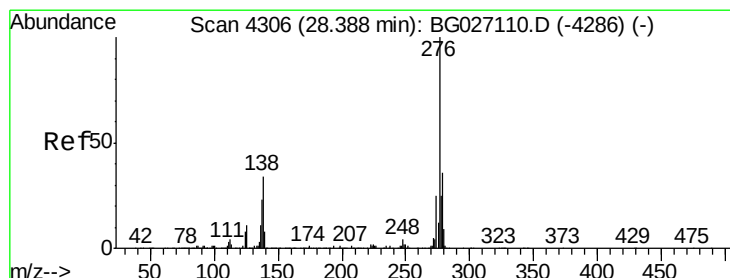
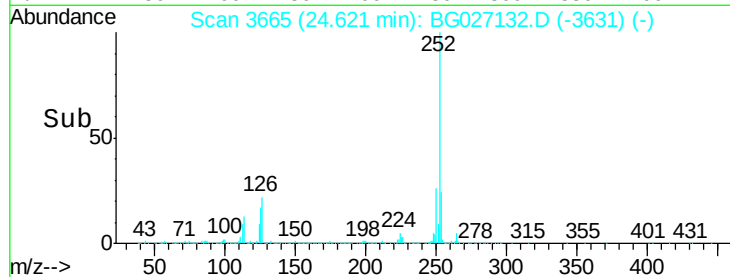
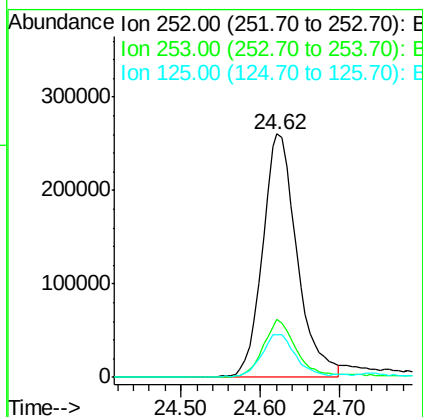
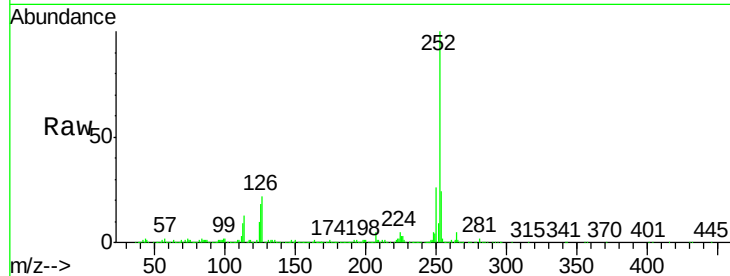




#26
Benzo(a)pyrene
Concen: 20.29 ng/ul
RT: 24.62 min Scan# 3665
Delta R.T. -0.00 min
Lab File: BG027132.D
Acq: 24 May 2017 17:33

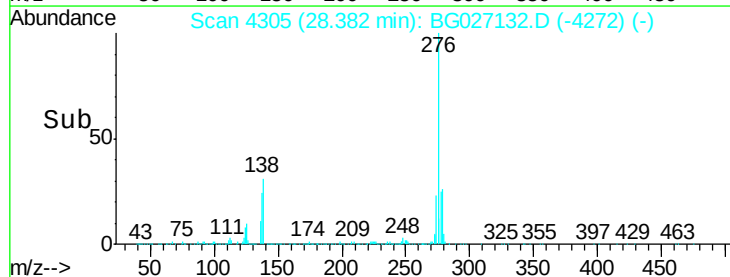
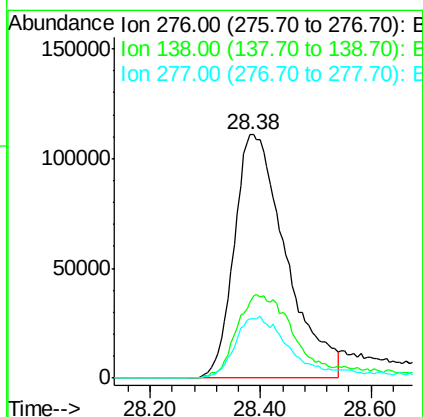
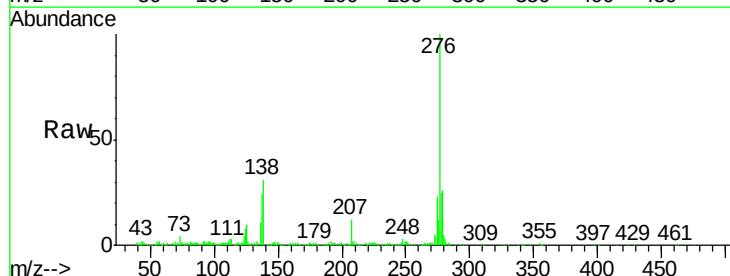
Instrument :
BNA_G
ClientSampleId :

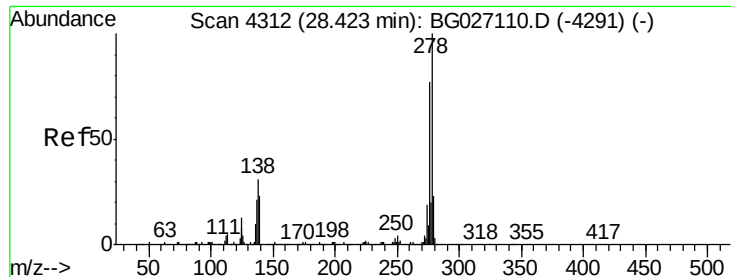
Tot Ion:252 Resp: 781930
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 17.7 8.2 12.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 20.27 ng/ul
RT: 28.38 min Scan# 4305
Delta R.T. -0.01 min
Lab File: BG027132.D
Acq: 24 May 2017 17:33

Tgt Ion:276 Resp: 718626
Ion Ratio Lower Upper
276 100
138 31.0 14.4 21.6#
277 24.5 18.0 27.0





#28

Dibenzo(a,h)anthracene

Concen: 20.16 ng/ul

RT: 28.43 min Scan# 4314

Delta R.T. 0.01 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

Instrument :

BNA_G

ClientSampleId :

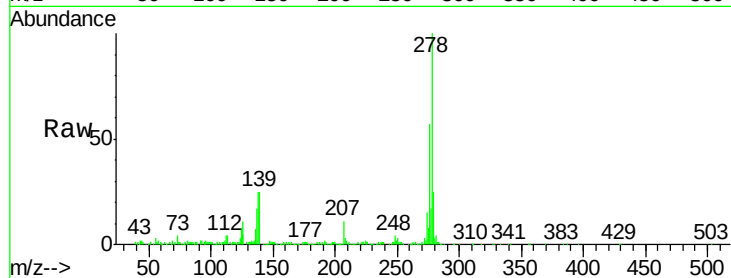
Tot Ion:278 Resp: 616802

Ion Ratio Lower Upper

278 100

139 24.9 12.2 18.4#

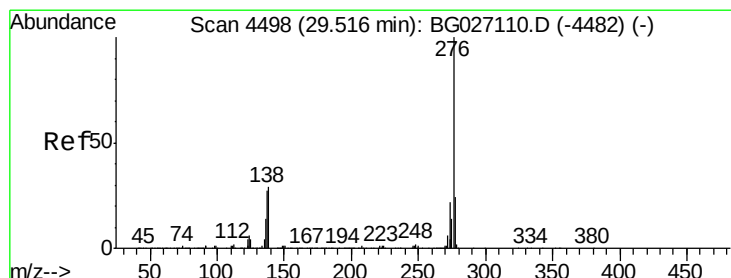
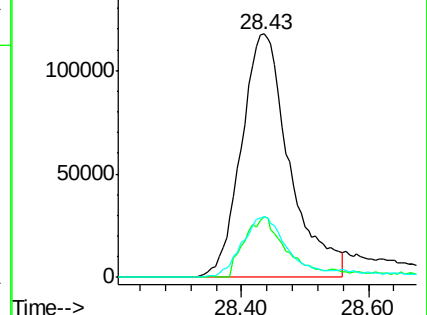
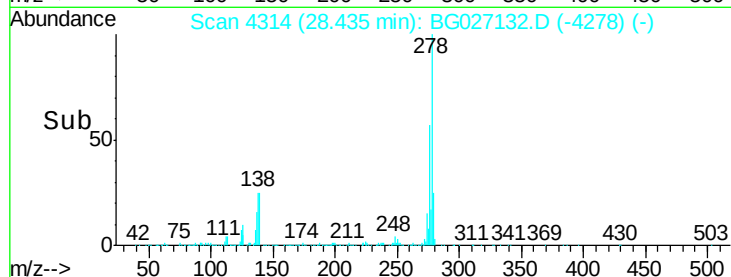
279 24.7 19.2 28.8



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: 17.60 ng/ul

RT: 29.52 min Scan# 4499

Delta R.T. 0.01 min

Lab File: BG027132.D

Acq: 24 May 2017 17:33

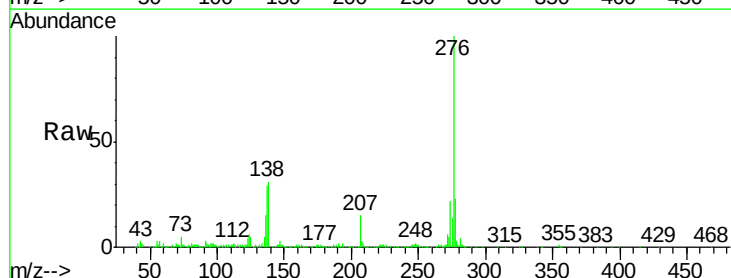
Tgt Ion:276 Resp: 496285

Ion Ratio Lower Upper

276 100

138 31.4 15.3 22.9#

277 23.2 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

