

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052617\
 Data File : BG027139.D
 Acq On : 24 May 2017 22:08
 Operator : SJ/MA
 Sample : I3277-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 25 04:53:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 04:52:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	180974	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	877051	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	446939	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	799137	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	713385	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	642341	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.31	160	873756	19.06	ng/ul	0.00
10) Fluorene-d10	15.61	176	559622	18.30	ng/ul	0.00
14) Anthracene-d10	17.36	188	799137	20.51	ng/ul	-0.10
18) Pyrene-d10	19.74	212	752828	20.21	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	652191	20.43	ng/ul	0.00

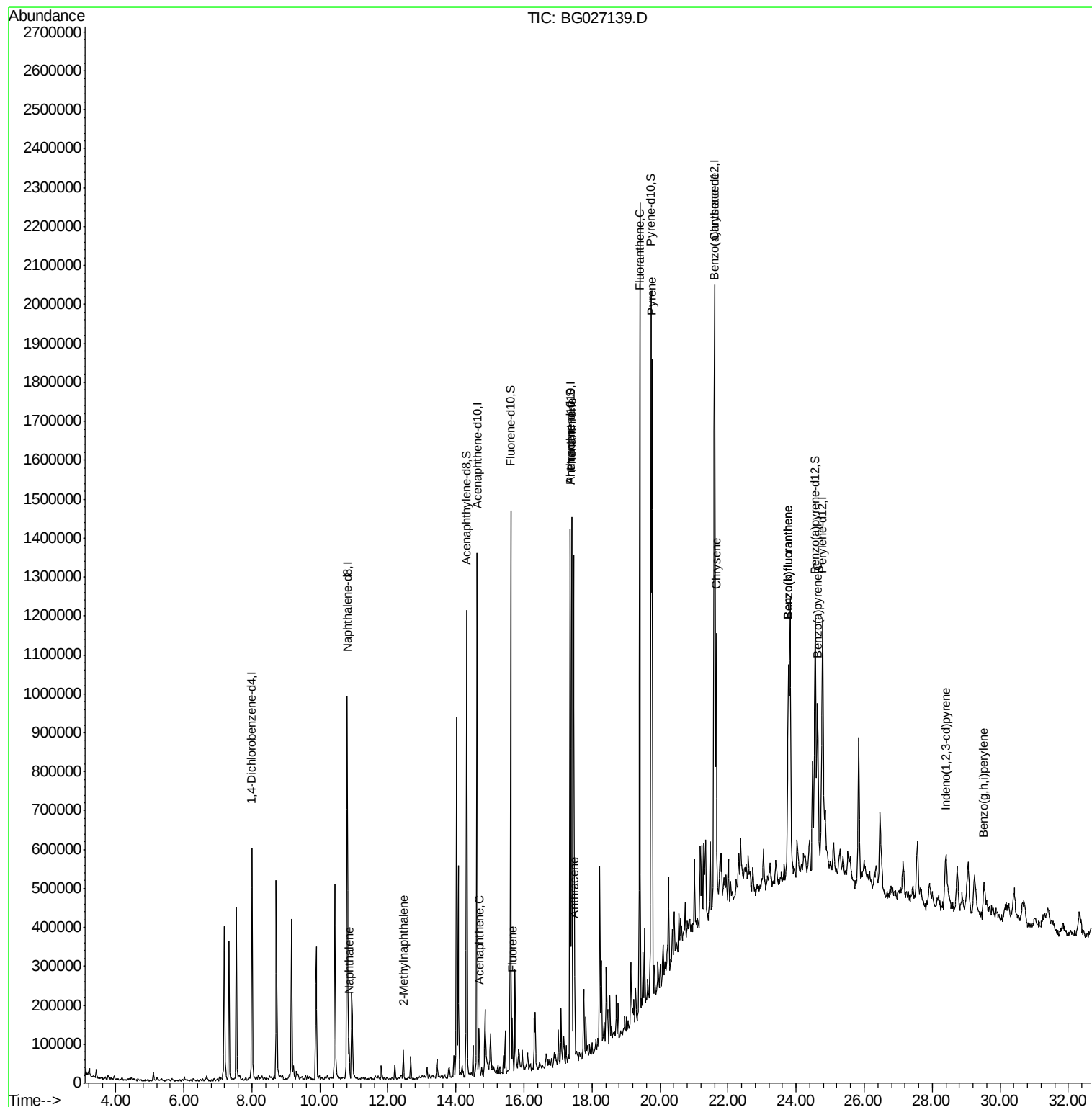
Target Compounds				Ovalue		
3) Naphthalene	10.85	128	89096	1.96	ng/ul	98
4) 2-Methylnaphthalene	12.46	142	36867	1.09	ng/ul	96
9) Acenaphthene	14.68	153	50473	1.60	ng/ul	97
11) Fluorene	15.66	166	59419	1.77	ng/ul	94
13) Phenanthrene	17.40	178	811865	18.17	ng/ul	99
15) Anthracene	17.49	178	154389	3.36	ng/ul	98
16) Fluoranthene	19.40	202	1154805	25.28	ng/ul#	91
19) Pyrene	19.77	202	947409	20.32	ng/ul#	88
20) Benzo(a)anthracene	21.59	228	471841	10.98	ng/ul	95
21) Chrysene	21.65	228	458096	11.61	ng/ul	97
23) Benzo(b)fluoranthene	23.77	252	612036	16.03	ng/ul#	95
24) Benzo(k)fluoranthene	23.77	252	612036	15.59	ng/ul#	95
26) Benzo(a)pyrene	24.63	252	386784	10.36	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	28.40	276	199638	5.81	ng/ul#	77
29) Benzo(g,h,i)perylene	29.52	276	61358	2.25	ng/ul#	79

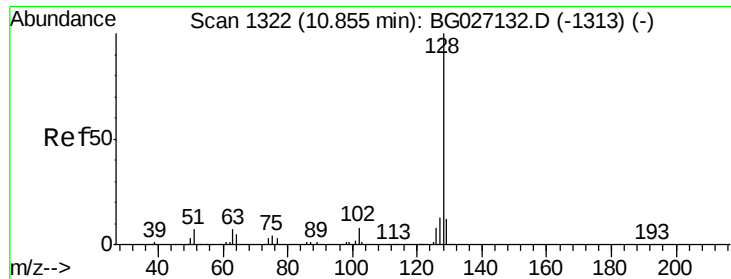
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.96 ng/ul

RT: 10.85 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

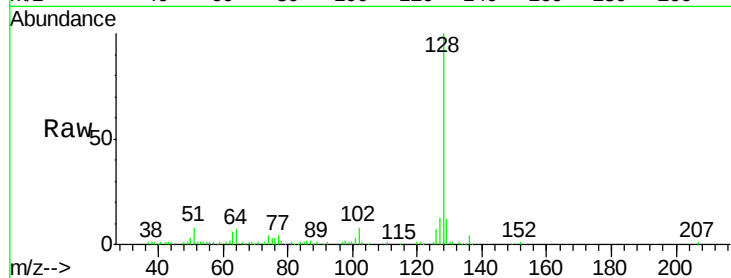
Tot Ion:128 Resp: 89096

Ion Ratio Lower Upper

128 100

129 12.4 8.7 13.1

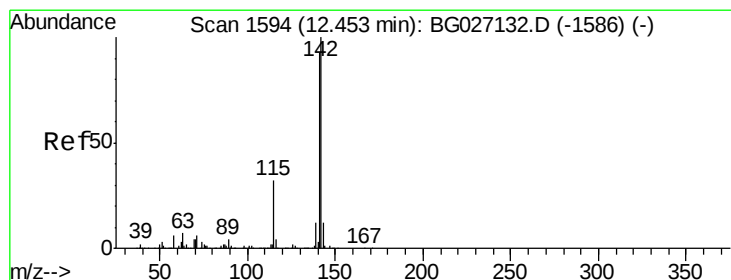
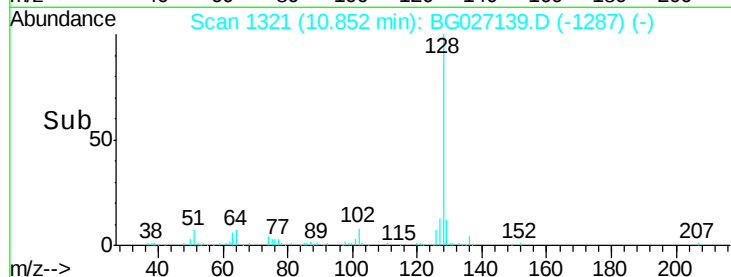
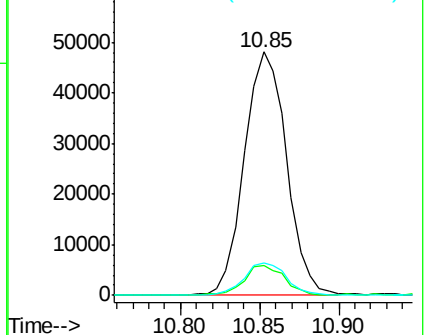
127 13.2 10.6 16.0



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: 1.09 ng/ul

RT: 12.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BG027139.D

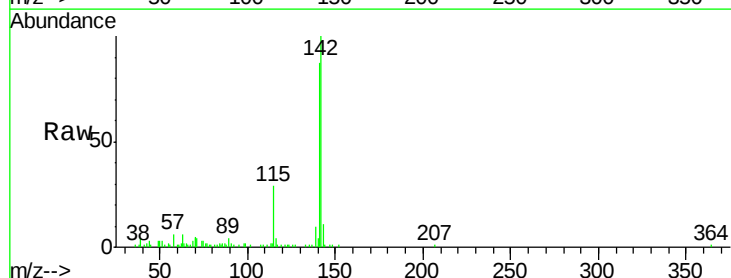
Acq: 24 May 2017 22:08

Tgt Ion:142 Resp: 36867

Ion Ratio Lower Upper

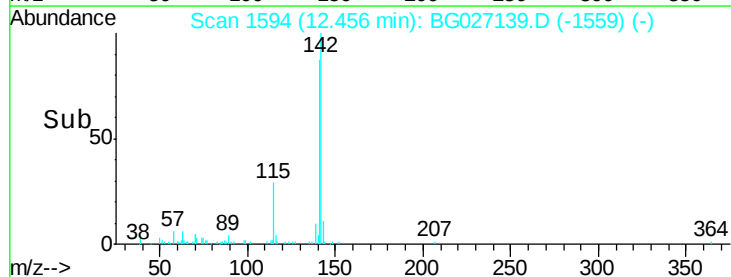
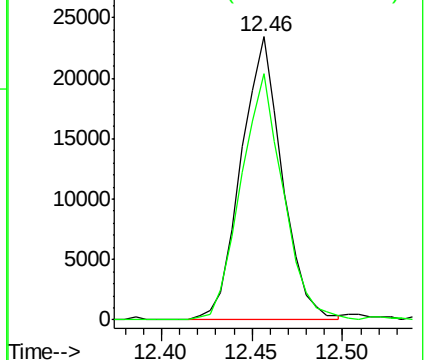
142 100

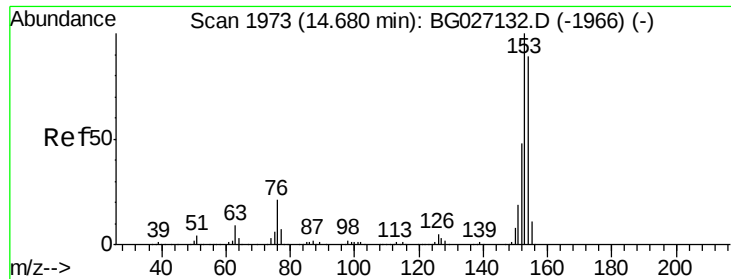
141 87.0 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 1.60 ng/ul

RT: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

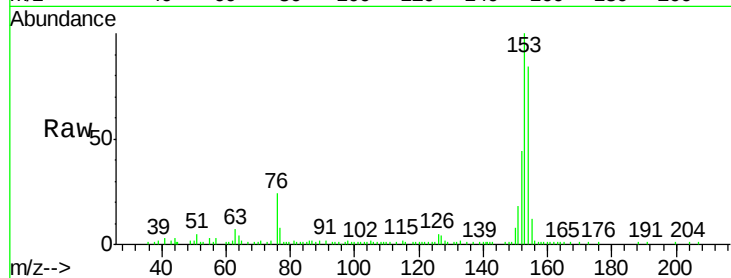
Tot Ion:153 Resp: 50473

Ion Ratio Lower Upper

153 100

152 44.1 39.0 58.6

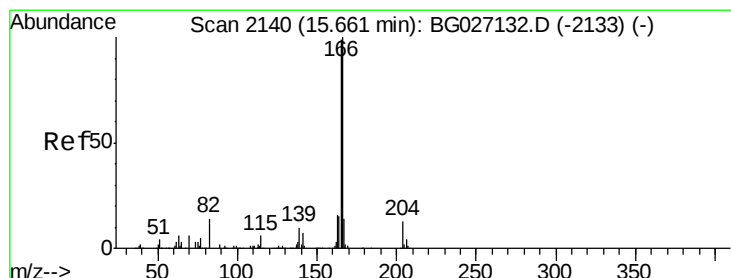
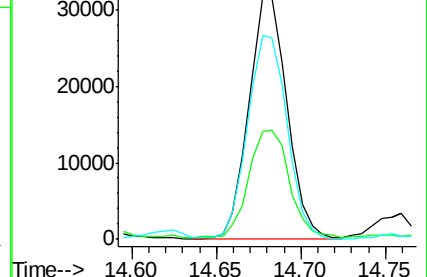
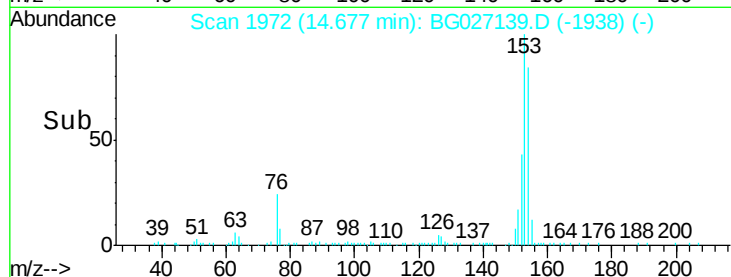
154 83.6 66.8 100.2



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: 1.77 ng/ul

RT: 15.66 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

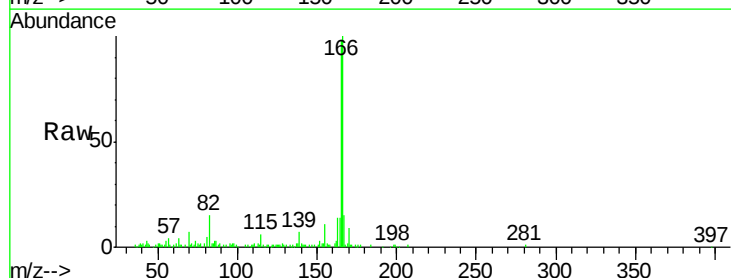
Tgt Ion:166 Resp: 59419

Ion Ratio Lower Upper

166 100

165 98.4 83.8 125.8

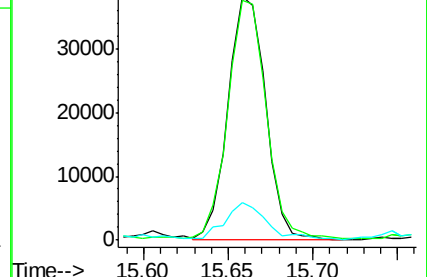
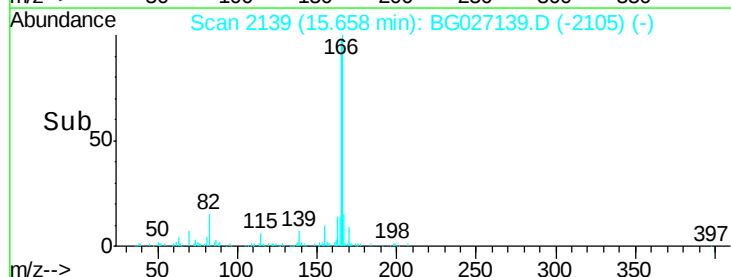
167 15.5 11.5 17.3

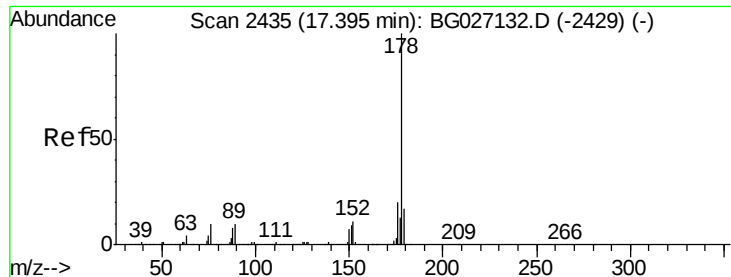


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 18.17 ng/ul

RT: 17.40 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

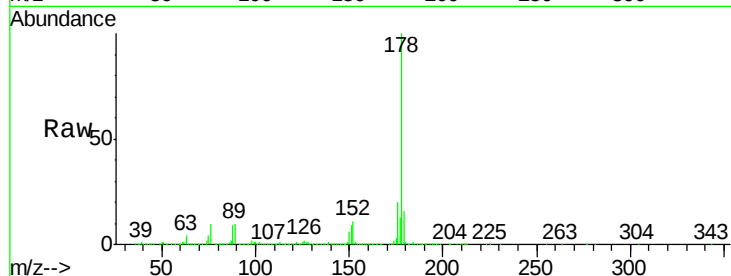
Tot Ion:178 Resp: 811865

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

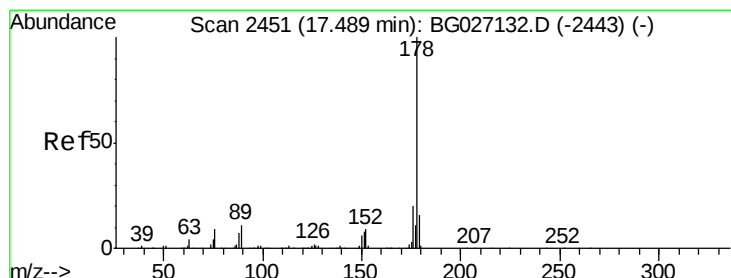
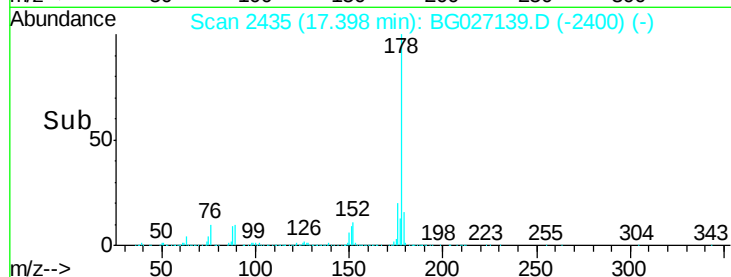
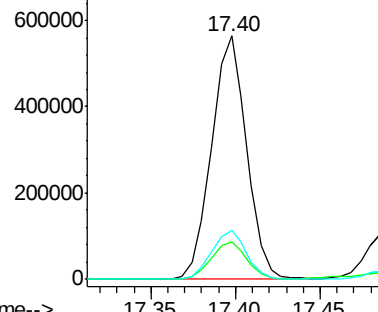
176 19.9 15.1 22.7



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: 3.36 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

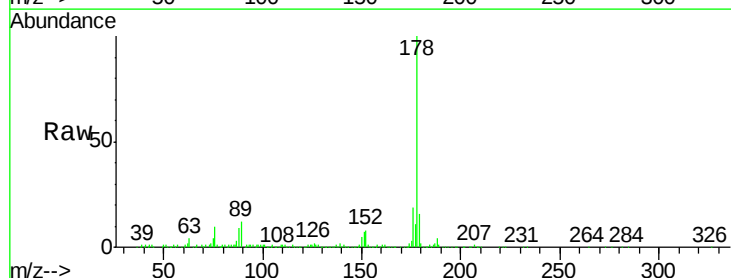
Tgt Ion:178 Resp: 154389

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

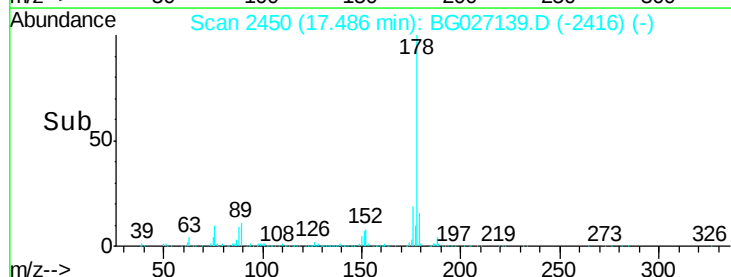
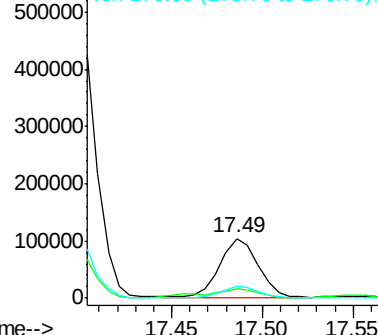
176 19.2 15.2 22.8

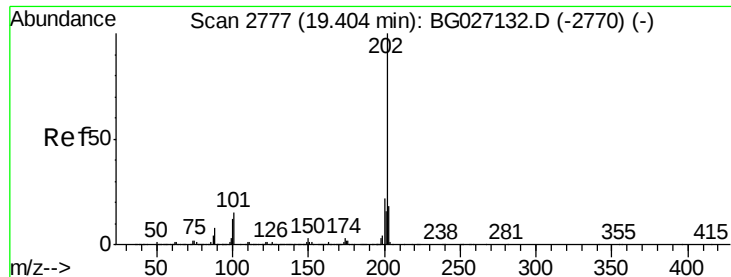


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 25.28 ng/ul

RT: 19.40 min Scan# 2776

Delta R.T. -0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

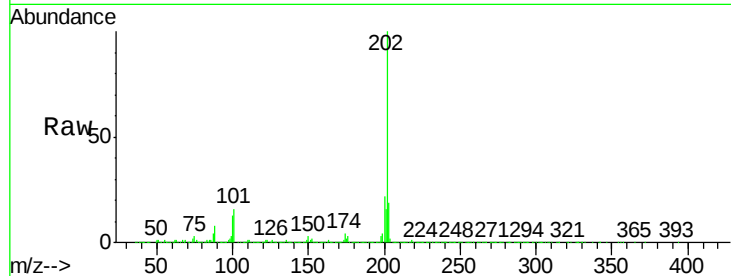
Tot Ion:202 Resp: 1154805

Ion Ratio Lower Upper

202 100

101 15.9 9.9 14.9#

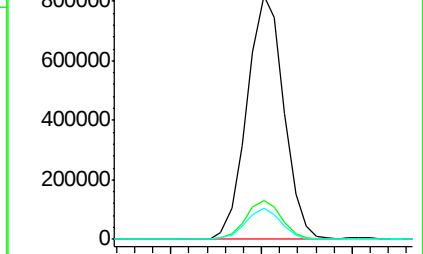
100 12.9 7.4 11.0#



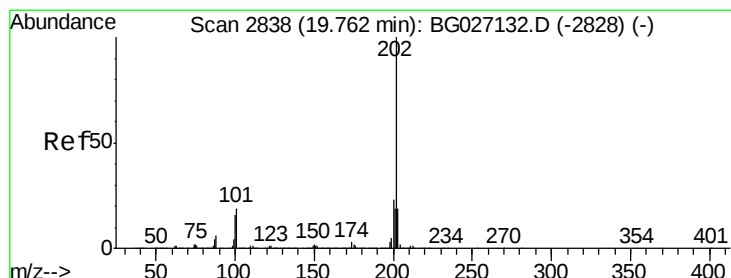
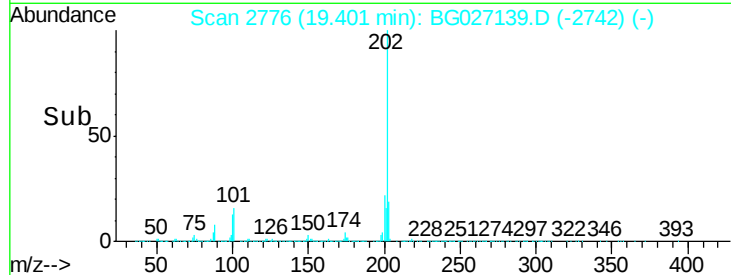
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#19

Pyrene

Concen: 20.32 ng/ul

RT: 19.77 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

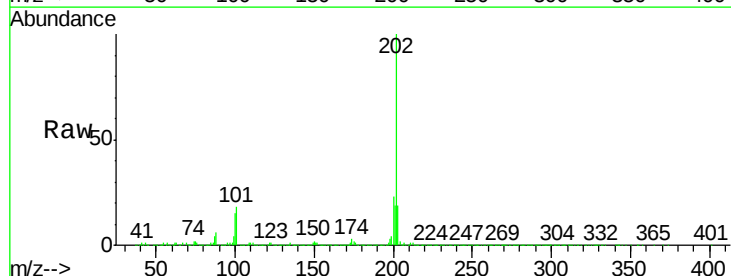
Tgt Ion:202 Resp: 947409

Ion Ratio Lower Upper

202 100

101 18.3 11.0 16.4#

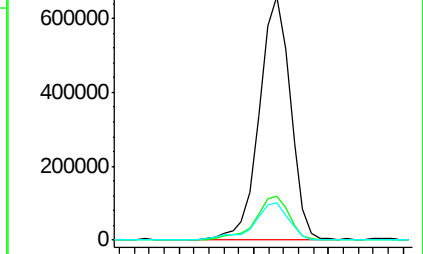
100 15.3 8.1 12.1#



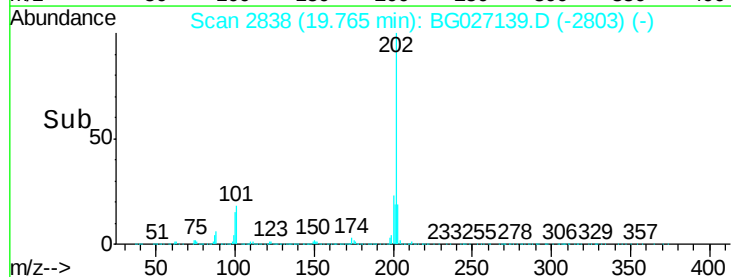
Abundance Ion 202.00 (201.70 to 202.70): E

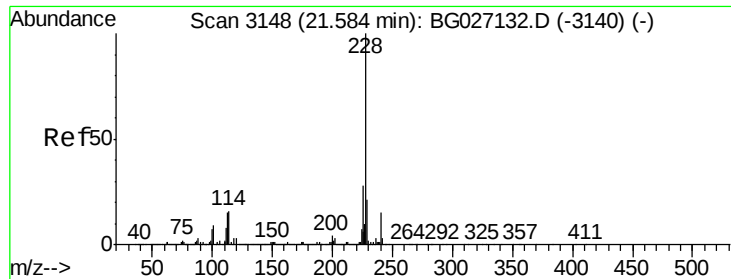
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#20

Benzo(a)anthracene

Concen: 10.98 ng/ul

RT: 21.59 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

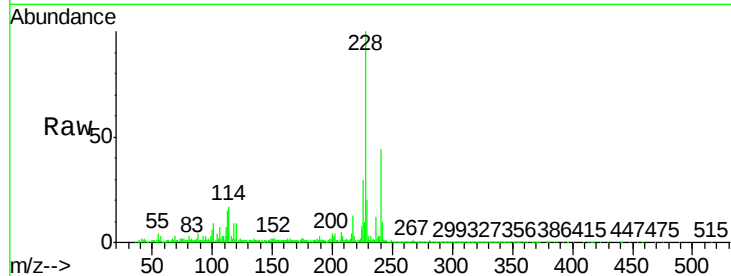
Tot Ion:228 Resp: 471841

Ion Ratio Lower Upper

228 100

229 20.3 15.7 23.5

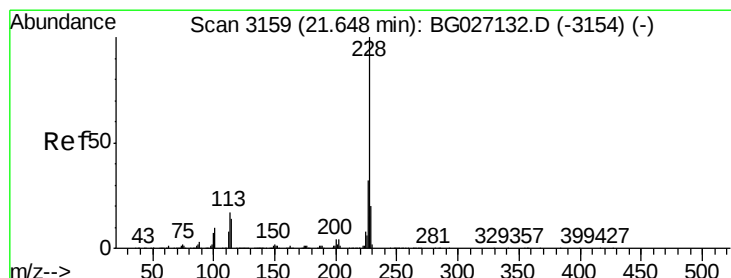
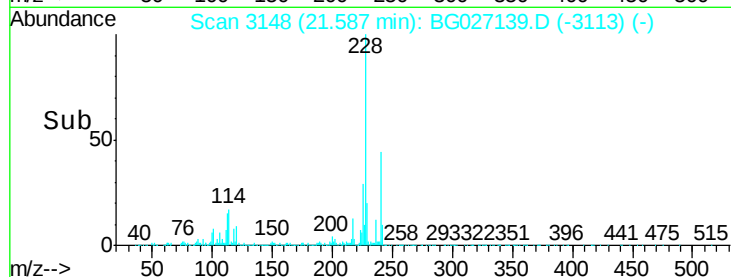
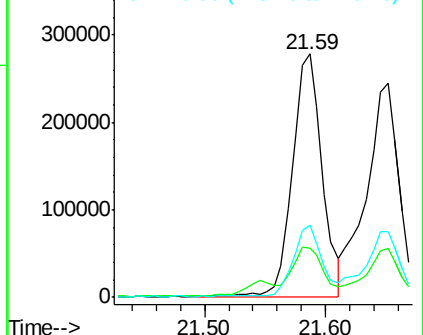
226 29.9 21.1 31.7



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: 11.61 ng/ul

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

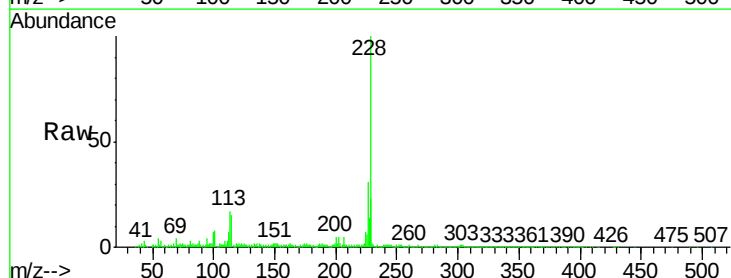
Tgt Ion:228 Resp: 458096

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

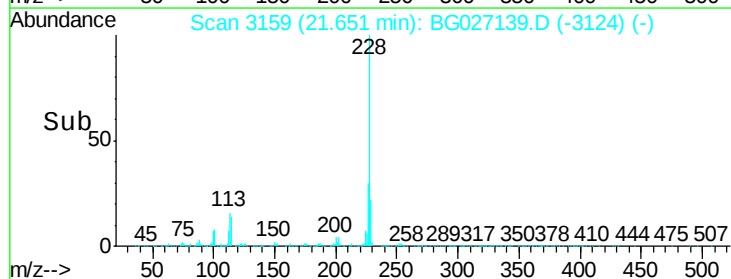
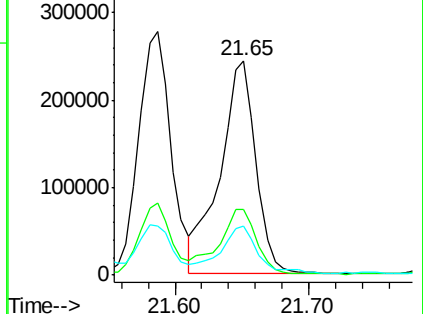
229 22.7 15.8 23.8

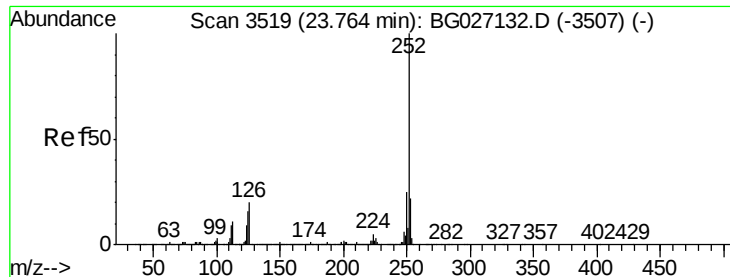


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 16.03 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

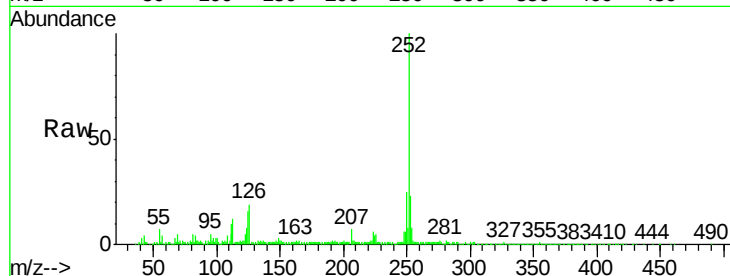
Tot Ion:252 Resp: 612036

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

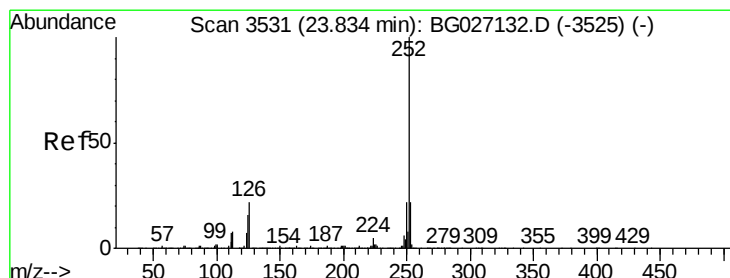
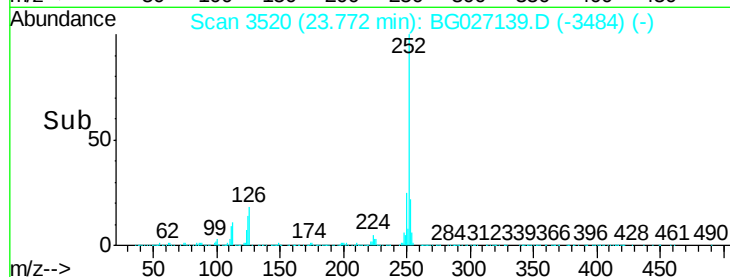
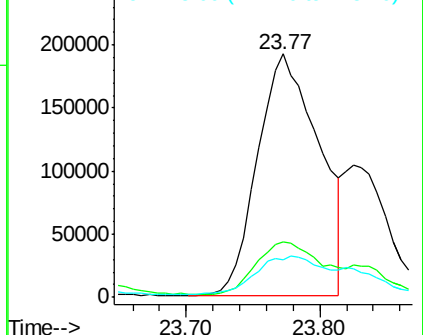
125 15.6 8.0 12.0#



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: 15.59 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

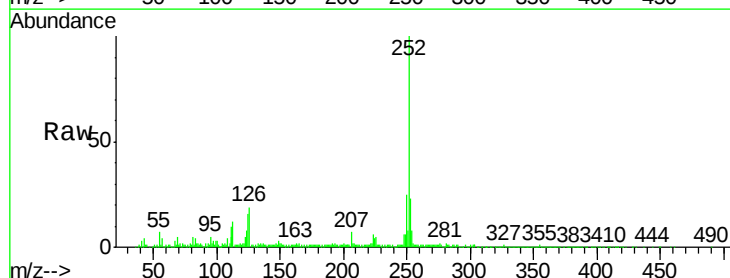
Tgt Ion:252 Resp: 612036

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

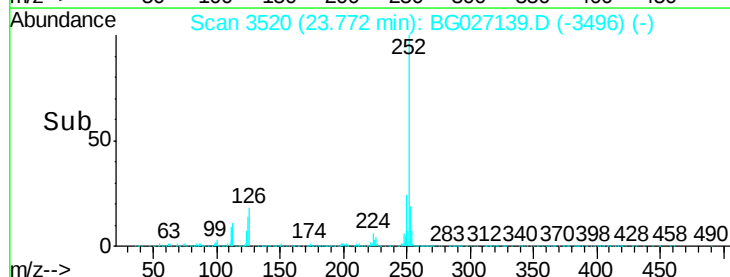
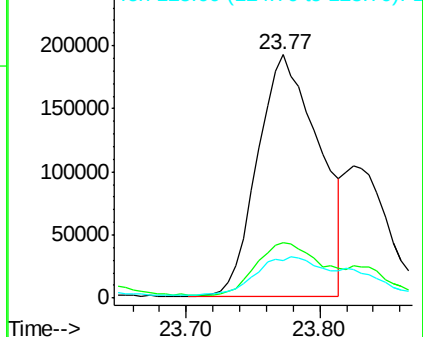
125 15.6 8.1 12.1#

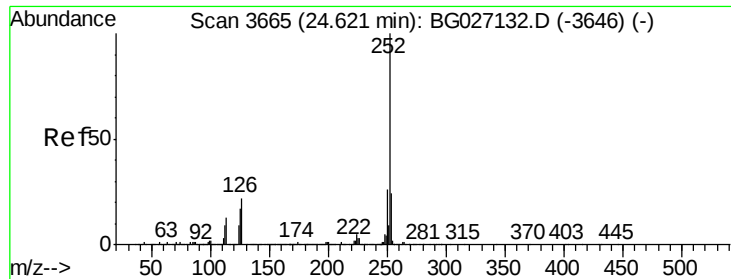


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 10.36 ng/ul

RT: 24.63 min Scan# 3666

Delta R.T. 0.01 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

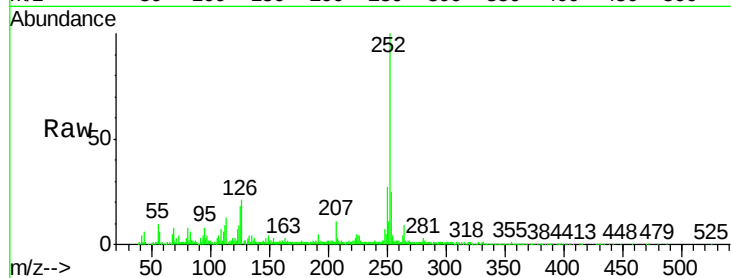
Tot Ion:252 Resp: 386784

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

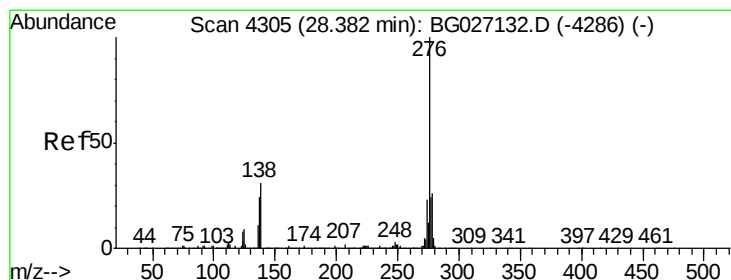
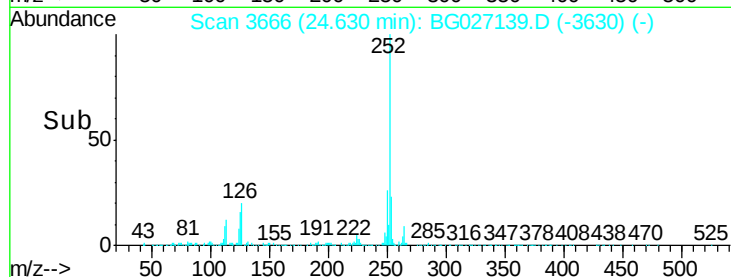
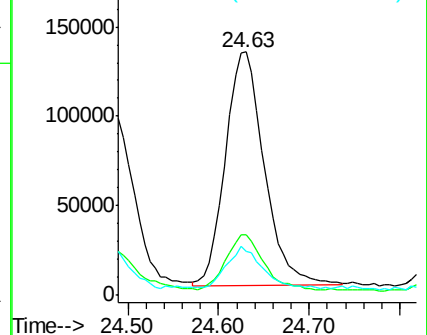
125 18.1 8.2 12.4#



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: 5.81 ng/ul

RT: 28.40 min Scan# 4307

Delta R.T. 0.01 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

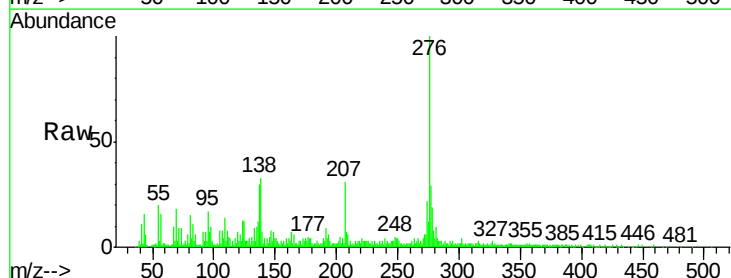
Tgt Ion:276 Resp: 199638

Ion Ratio Lower Upper

276 100

138 33.1 14.4 21.6#

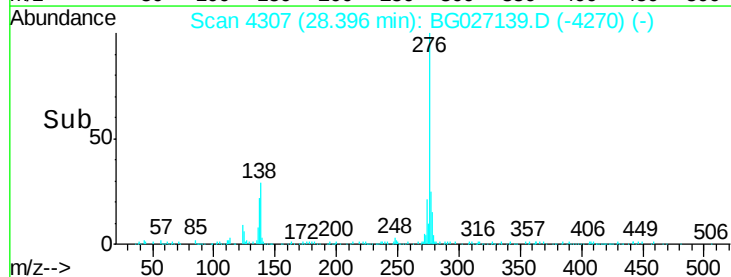
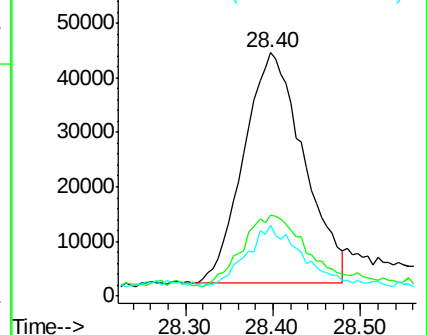
277 29.2 18.0 27.0#

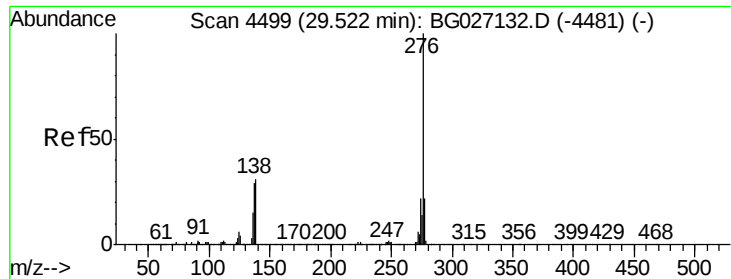


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 2.25 ng/ul

RT: 29.52 min Scan# 4498

Delta R.T. -0.00 min

Lab File: BG027139.D

Acq: 24 May 2017 22:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 61358

Ion Ratio Lower Upper

276 100

138 35.0 15.3 22.9#

277 28.0 19.0 28.4

