

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052617\
 Data File : BG027153.D
 Acq On : 25 May 2017 7:17
 Operator : SJ/MA
 Sample : I3277-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 25 07:59:48 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 06:05:48 2017
 Response via : Initial Calibration

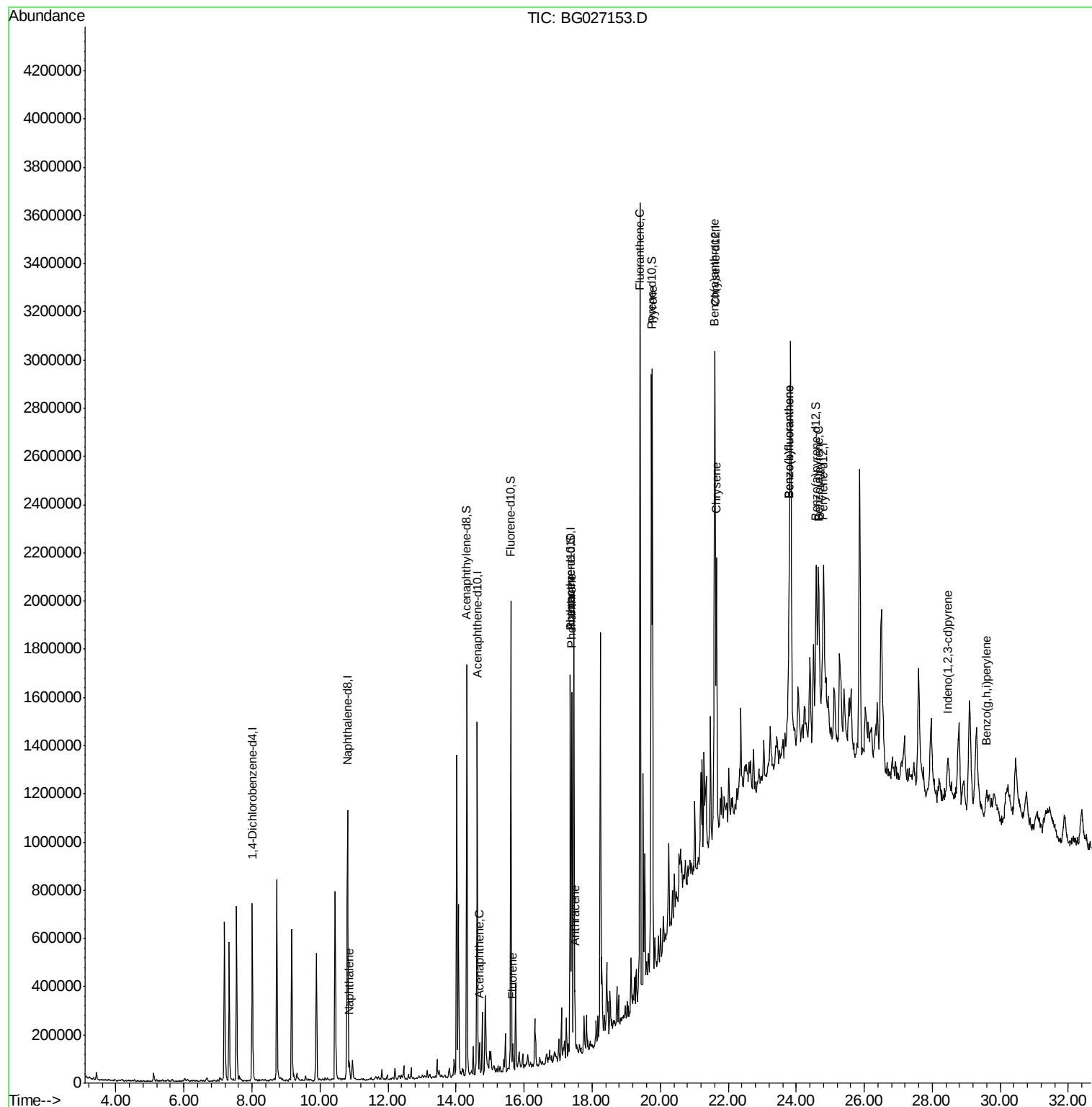
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	222726	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	1009118	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	493962	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	894855	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	803302	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	594696	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	1228294	24.24	ng/ul	0.00
10) Fluorene-d10	15.61	176	778748	23.04	ng/ul	0.00
14) Anthracene-d10	17.36	188	894855	20.51	ng/ul	-0.10
18) Pyrene-d10	19.74	212	1016707	24.24	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.59	264	774259	26.20	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	10.86	128	70152	1.34	ng/ul	99
9) Acenaphthene	14.69	153	37793	1.08	ng/ul	95
11) Fluorene	15.66	166	43476	1.17	ng/ul	87
13) Phenanthrene	17.40	178	906224	18.12	ng/ul	99
15) Anthracene	17.49	178	169909	3.31	ng/ul	100
16) Fluoranthene	19.41	202	1777401	34.75	ng/ul#	86
19) Pyrene	19.77	202	1509582	28.75	ng/ul#	86
20) Benzo(a)anthracene	21.60	228	774713	16.01	ng/ul	95
21) Chrysene	21.66	228	787791	17.73	ng/ul	96
23) Benzo(b)fluoranthene	23.79	252	916980	25.94	ng/ul#	88
24) Benzo(k)fluoranthene	23.79	252	916980	25.22	ng/ul#	88
26) Benzo(a)pyrene	24.65	252	506270	14.64	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	28.45	276	250558	7.88	ng/ul#	76
29) Benzo(a,h,i)perylene	29.59	276	99449	3.93	ng/ul#	78

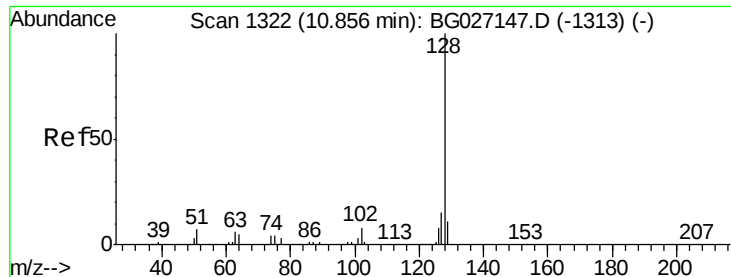
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.34 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

Instrument :

BNA_G

ClientSampled :

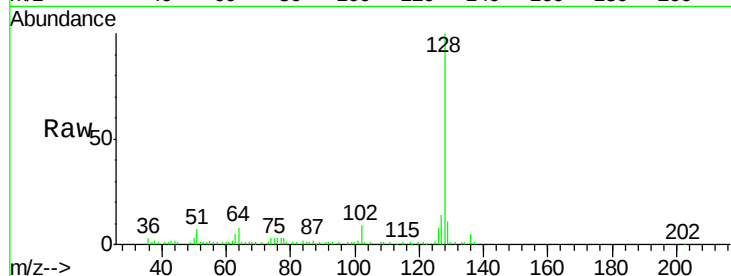
Tot Ion:128 Resp: 70152

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

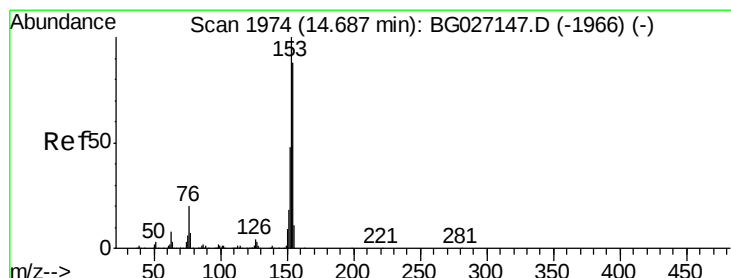
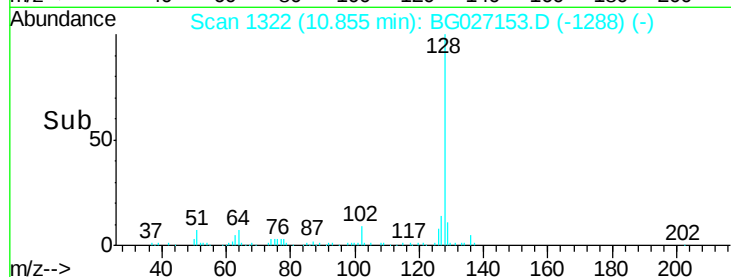
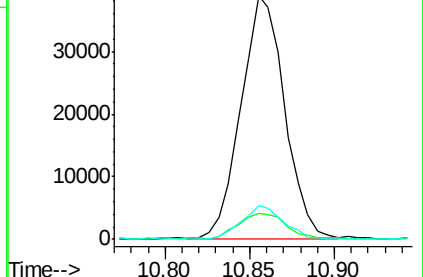
127 13.8 10.6 16.0



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



#9

Acenaphthene

Concen: 1.08 ng/ul

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

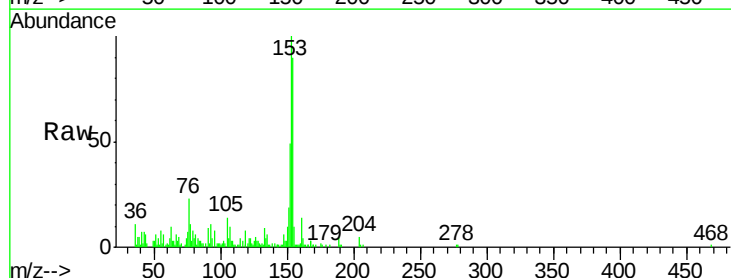
Tgt Ion:153 Resp: 37793

Ion Ratio Lower Upper

153 100

152 49.2 39.0 58.6

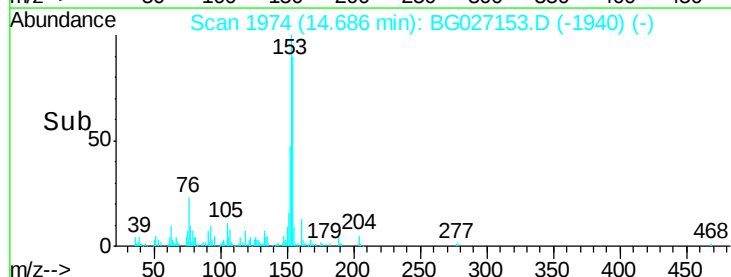
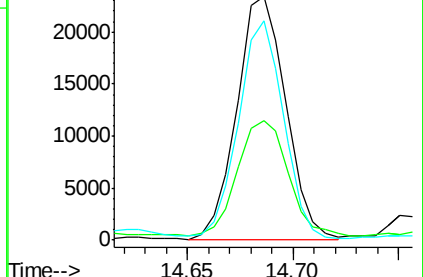
154 89.9 66.8 100.2

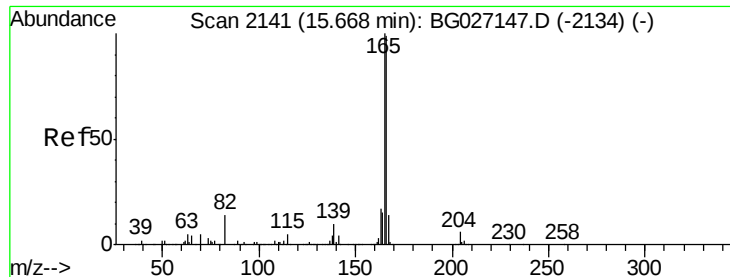


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.17 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

Instrument :

BNA_G

ClientSampleId :

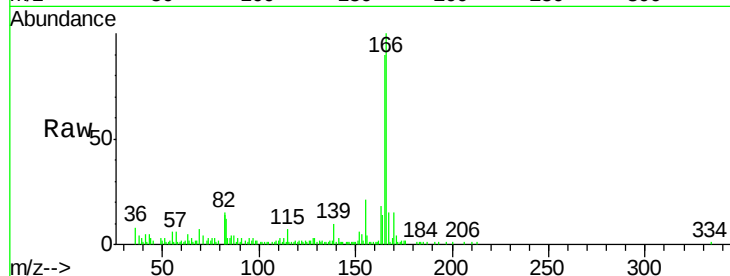
Tot Ion:166 Resp: 43476

Ion Ratio Lower Upper

166 100

165 89.7 83.8 125.8

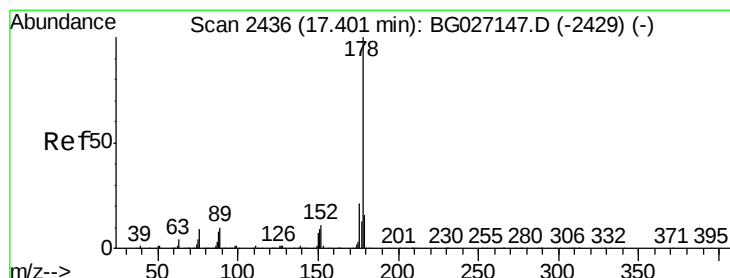
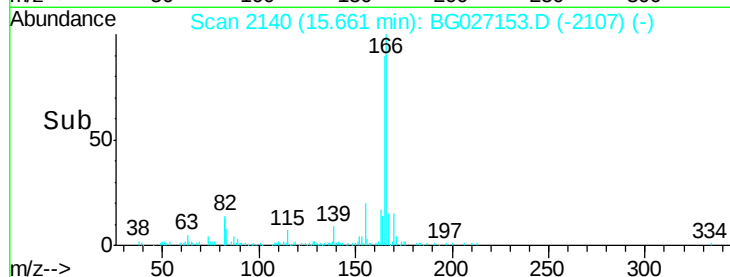
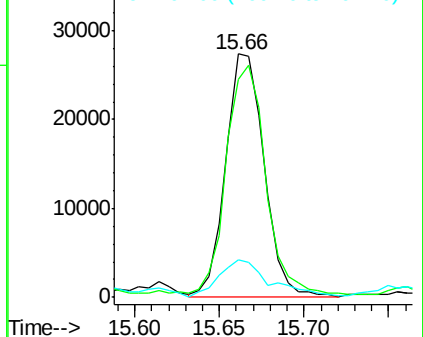
167 15.2 11.5 17.3



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: 18.12 ng/ul

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

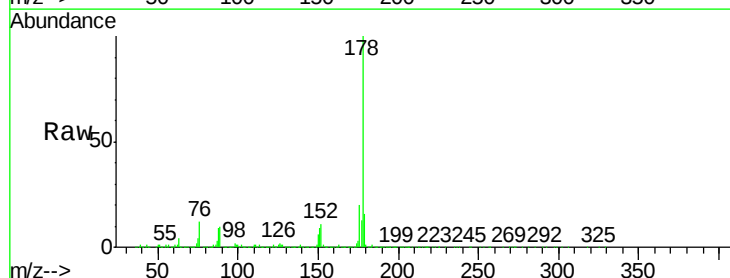
Tgt Ion:178 Resp: 906224

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

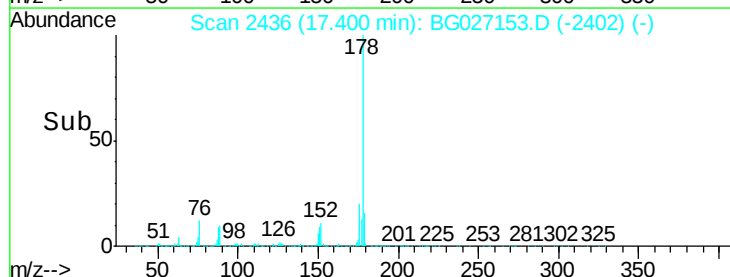
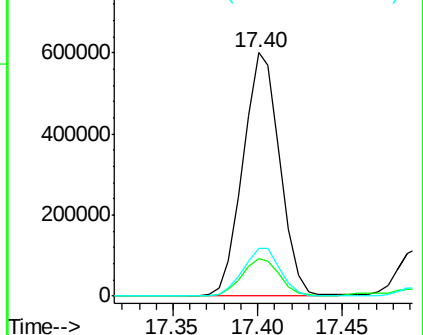
176 19.6 15.1 22.7

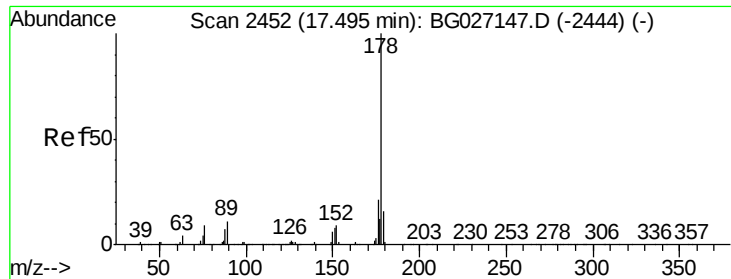


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 3.31 ng/ul

RT: 17.49 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BG027153.D

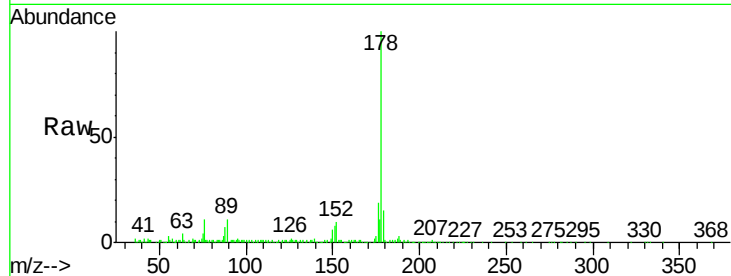
Acq: 25 May 2017 7:17

Instrument :

BNA_G

ClientSampleId :

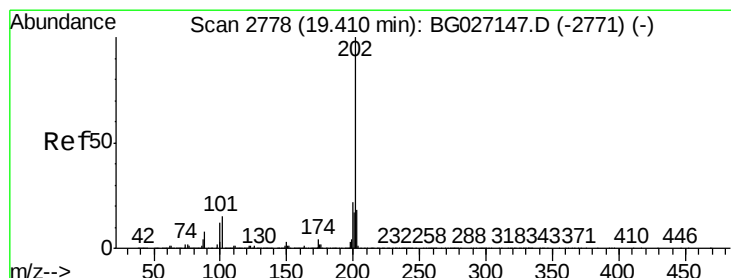
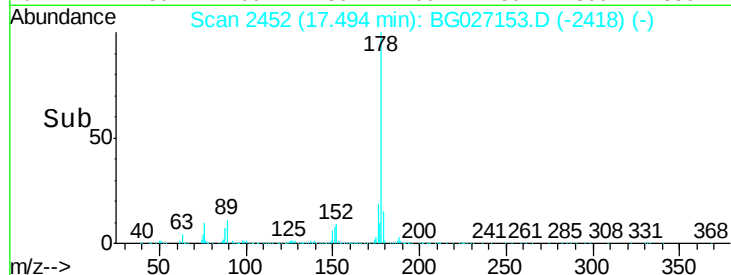
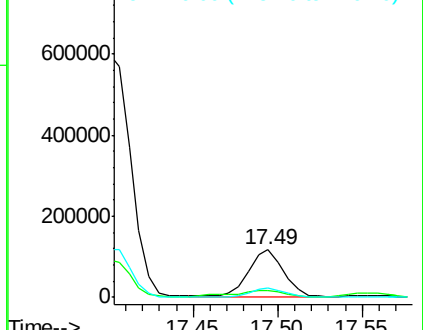
Tot Ion:178	Resp:	169909
Ion	Ratio	Lower Upper
178	100	
179	14.9	11.8 17.8
176	18.7	15.2 22.8



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: 34.75 ng/ul

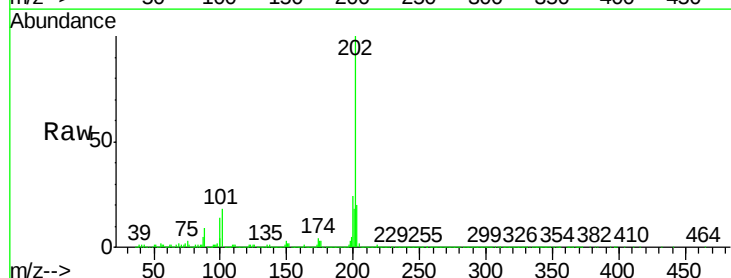
RT: 19.41 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

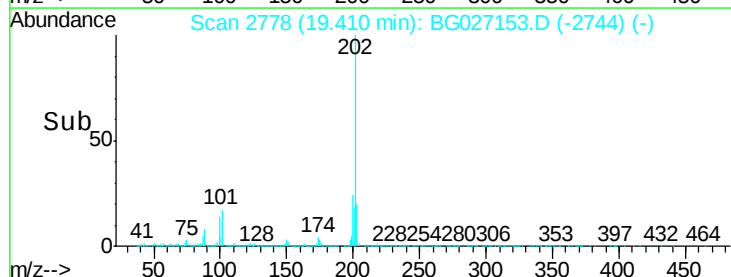
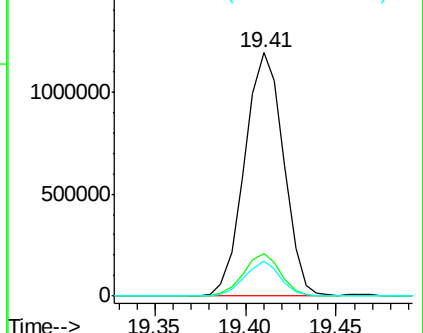
Tgt Ion:202	Resp:	1777401
Ion	Ratio	Lower Upper
202	100	
101	17.6	9.9 14.9#
100	14.3	7.4 11.0#

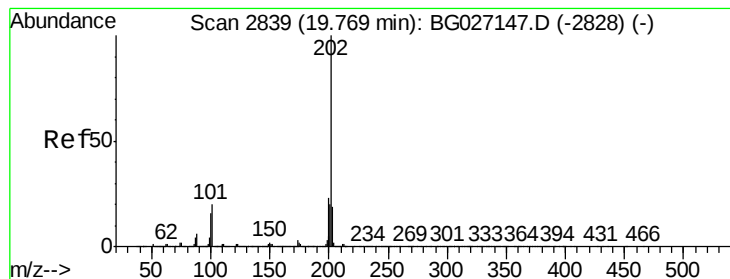


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#19

Pvrene

Concen: 28.75 ng/ul

RT: 19.77 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

Instrument :

BNA_G

ClientSampleId :

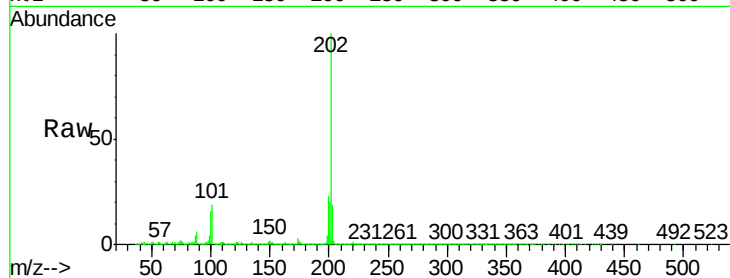
Tot Ion:202 Resp: 1509582

Ion Ratio Lower Upper

202 100

101 18.6 11.0 16.4#

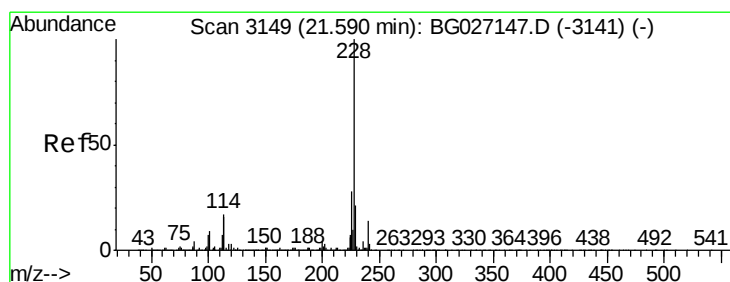
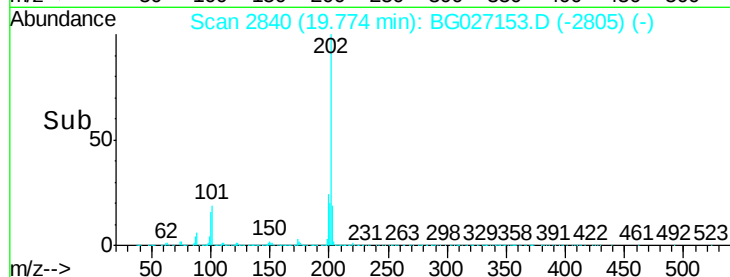
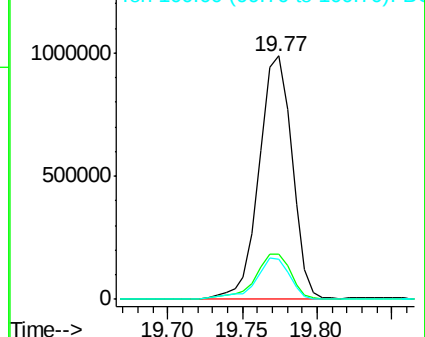
100 16.4 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 16.01 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

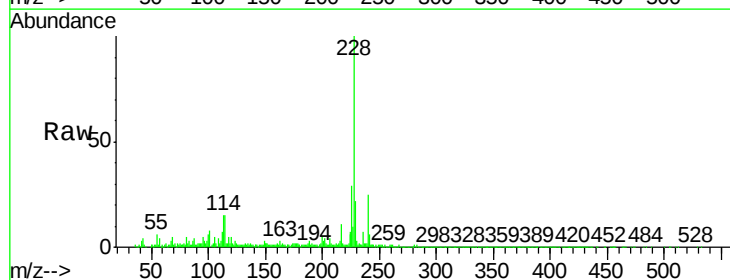
Tgt Ion:228 Resp: 774713

Ion Ratio Lower Upper

228 100

229 22.1 15.7 23.5

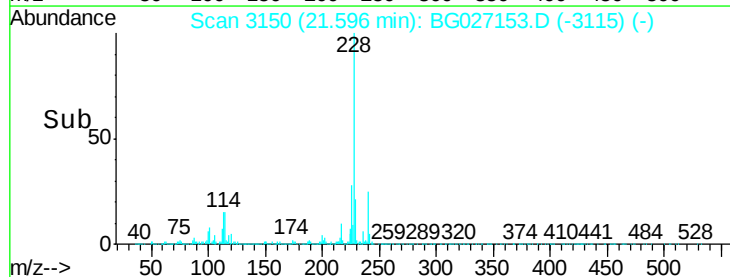
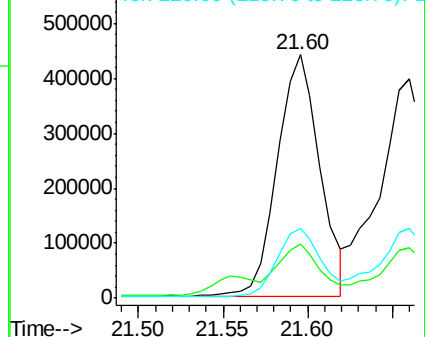
226 28.7 21.1 31.7

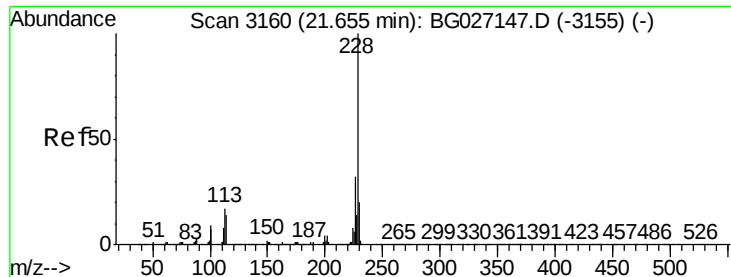


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 17.73 ng/ul

RT: 21.66 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

Instrument :

BNA_G

ClientSampleId :

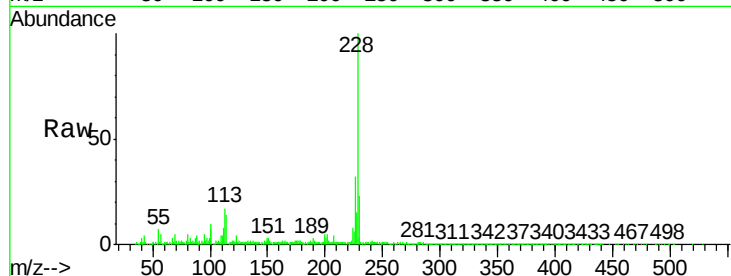
Tot Ion:228 Resp: 787791

Ion Ratio Lower Upper

228 100

226 32.0 24.5 36.7

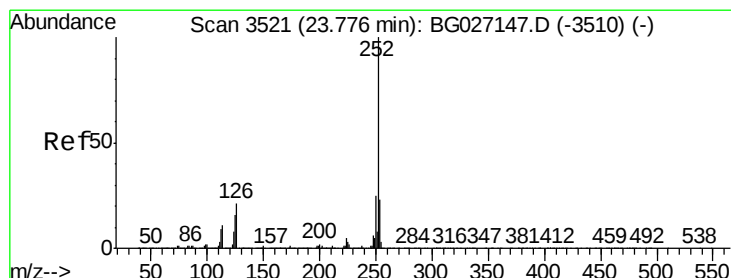
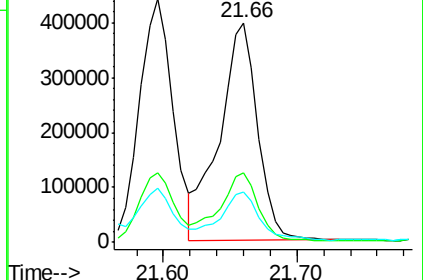
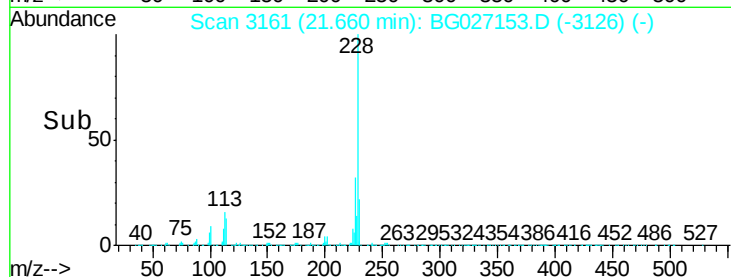
229 22.8 15.8 23.8



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: 25.94 ng/ul

RT: 23.79 min Scan# 3524

Delta R.T. 0.02 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

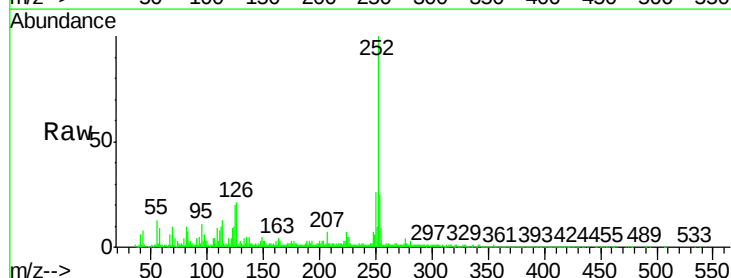
Tgt Ion:252 Resp: 916980

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

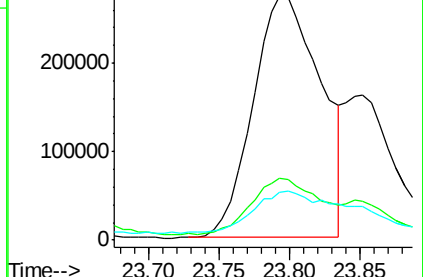
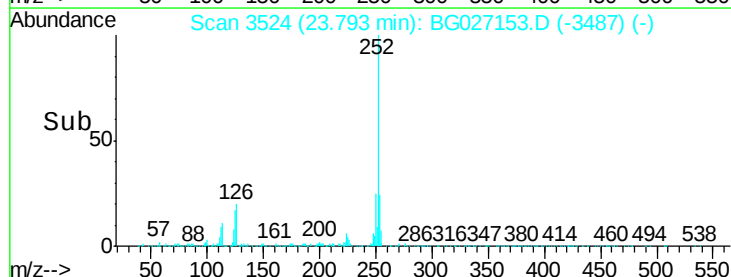
125 19.8 8.0 12.0#

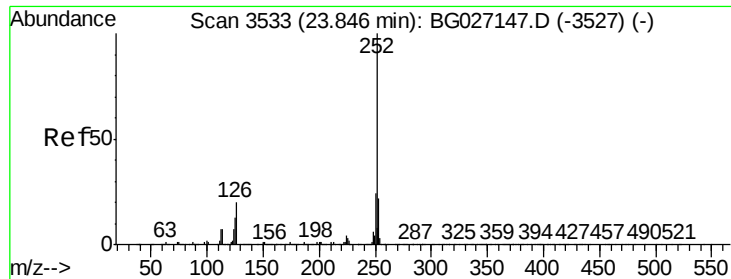


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 25.22 ng/ul

RT: 23.79 min Scan# 3524

Delta R.T. -0.05 min

Lab File: BG027153.D

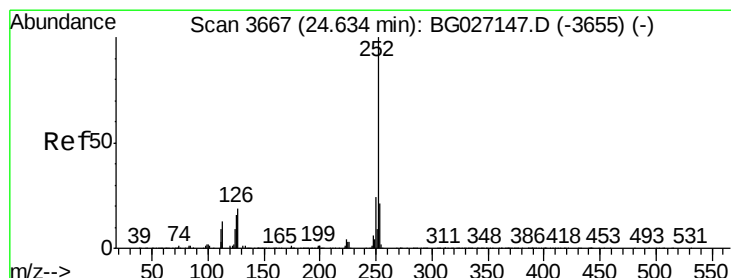
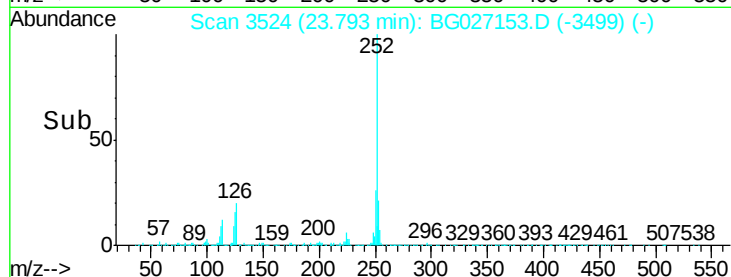
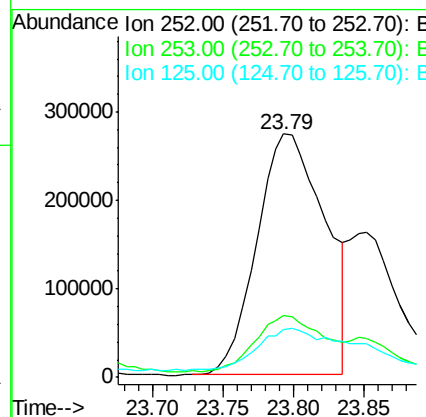
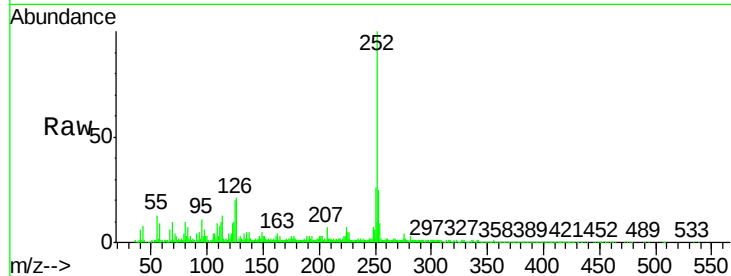
Acq: 25 May 2017 7:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	916980
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.0	27.0
125	19.8	8.1	12.1#



#26

Benzo(a)pyrene

Concen: 14.64 ng/ul

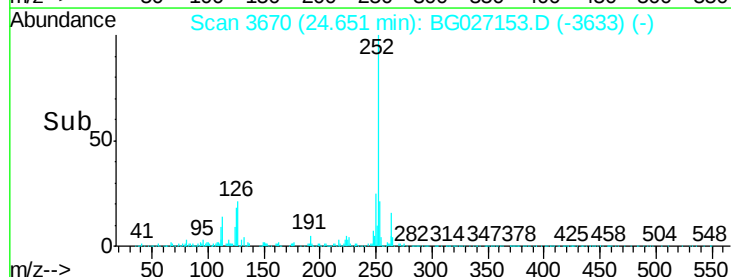
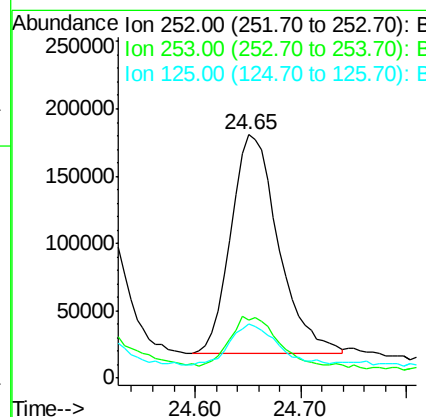
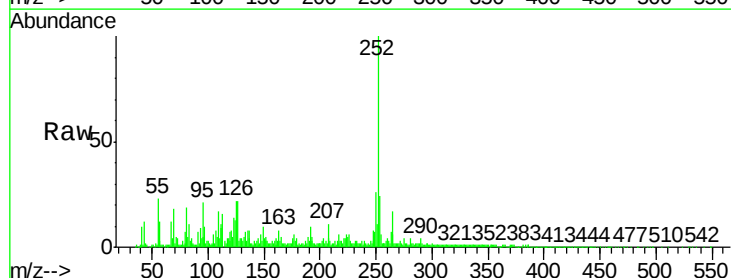
RT: 24.65 min Scan# 3670

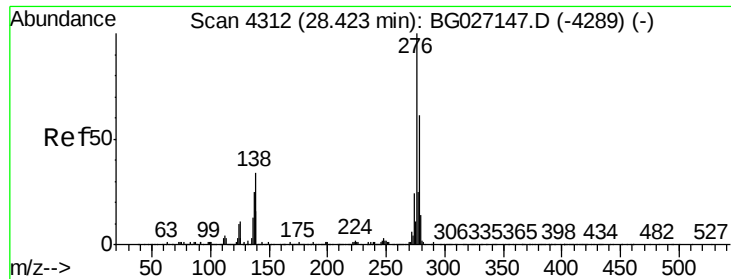
Delta R.T. 0.02 min

Lab File: BG027153.D

Acq: 25 May 2017 7:17

Tgt Ion:	252	Resp:	506270
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.2	25.8
125	22.1	8.2	12.4#



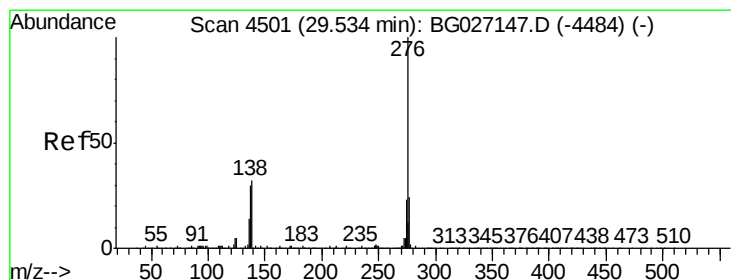
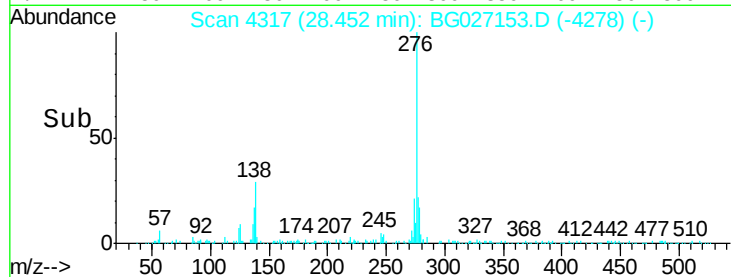
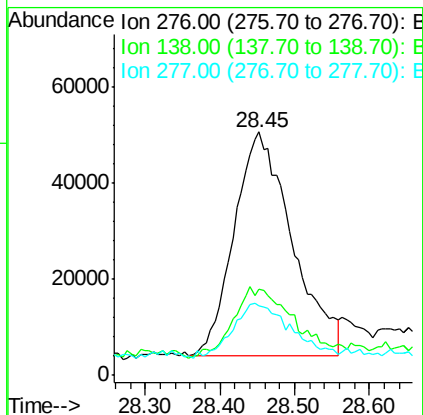
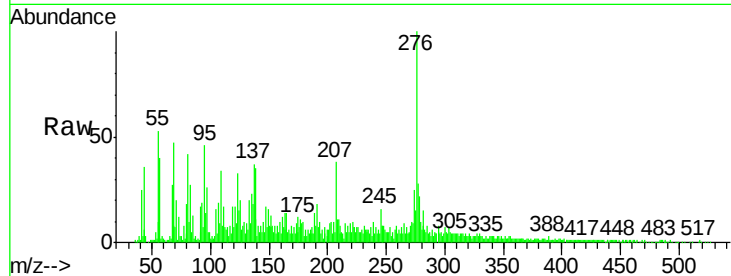


#27

Indeno(1,2,3-cd)pyrene
Concen: 7.88 ng/ul
RT: 28.45 min Scan# 4317
Delta R.T. 0.03 min
Lab File: BG027153.D
Acq: 25 May 2017 7:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.4	14.4	21.6#
277	28.4	18.0	27.0#



#29

Benzo(g,h,i)perylene
Concen: 3.93 ng/ul
RT: 29.59 min Scan# 4511
Delta R.T. 0.06 min
Lab File: BG027153.D
Acq: 25 May 2017 7:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.3	15.3	22.9#
277	30.1	19.0	28.4#

