

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052417\
 Data File : BG027114.D
 Acq On : 24 May 2017 3:47
 Operator : SJ/MA
 Sample : I3275-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 24 05:28:47 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	275338	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	1275048	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	652741	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.35	188	1137183	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	1051340	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	938692	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.31	160	1549979	23.15	ng/ul	0.00
10) Fluorene-d10	15.61	176	985373	22.06	ng/ul	0.00
14) Anthracene-d10	17.35	188	1137183	20.51	ng/ul	-0.10
18) Pyrene-d10	19.73	212	1261081	22.97	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	1138871	24.42	ng/ul	0.00

Target Compounds

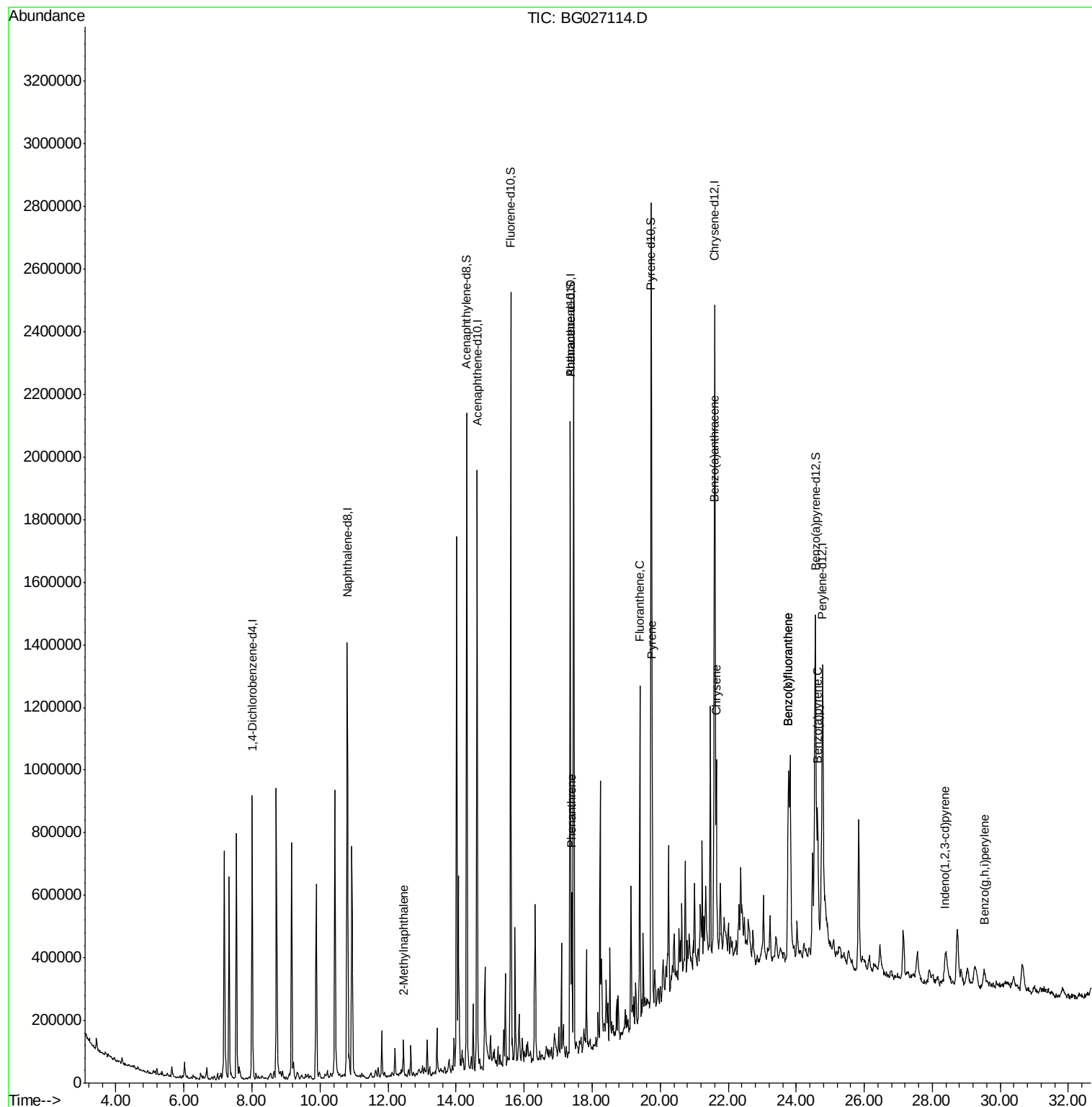
						Ovalue
4) 2-Methylnaphthalene	12.45	142	57711	1.18	ng/ul	96
13) Phenanthrene	17.39	178	310903	4.89	ng/ul	99
16) Fluoranthene	19.40	202	579082	8.91	ng/ul#	93
19) Pyrene	19.76	202	547316	7.97	ng/ul#	86
20) Benzo(a)anthracene	21.58	228	277657	4.38	ng/ul	94
21) Chrysene	21.65	228	436916	7.51	ng/ul	95
23) Benzo(b)fluoranthene	23.77	252	697528	12.50	ng/ul#	93
24) Benzo(k)fluoranthene	23.77	252	697528	12.16	ng/ul#	94
26) Benzo(a)pyrene	24.63	252	361976	6.63	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	28.38	276	75634	1.51	ng/ul#	84
29) Benzo(g,h,i)perylene	29.53	276	101454	2.54	ng/ul#	77

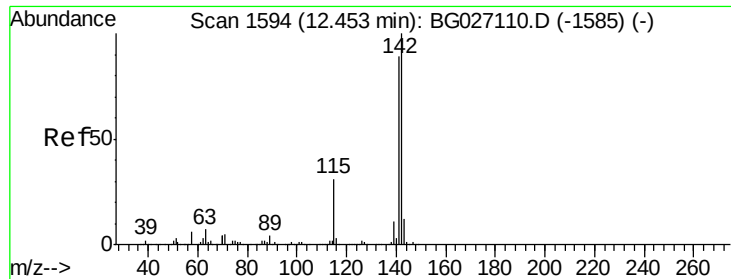
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

2-Methylnaphthalene

Concen: 1.18 ng/ul

RT: 12.45 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

Instrument :

BNA_G

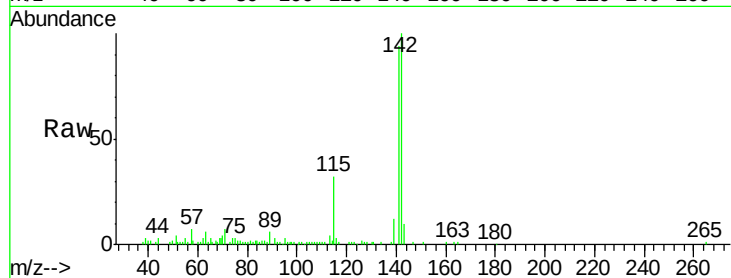
ClientSampleId :

Tot Ion:142 Resp: 57711

Ion Ratio Lower Upper

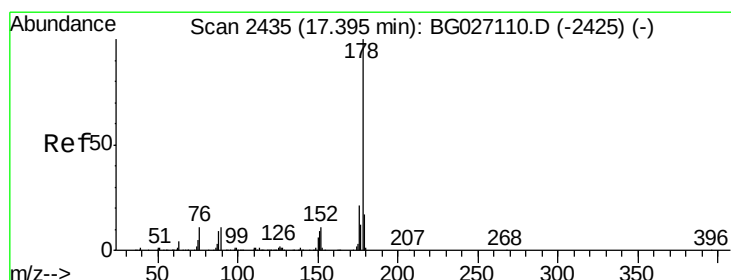
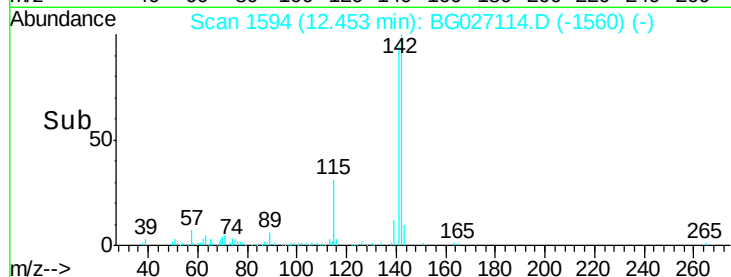
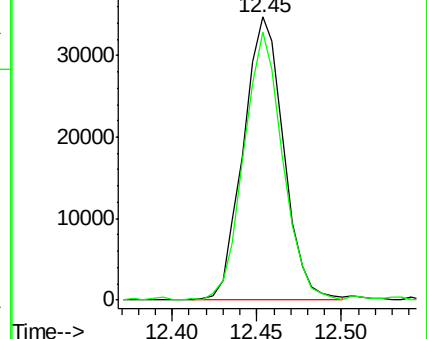
142 100

141 94.5 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#13

Phenanthrene

Concen: 4.89 ng/ul

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

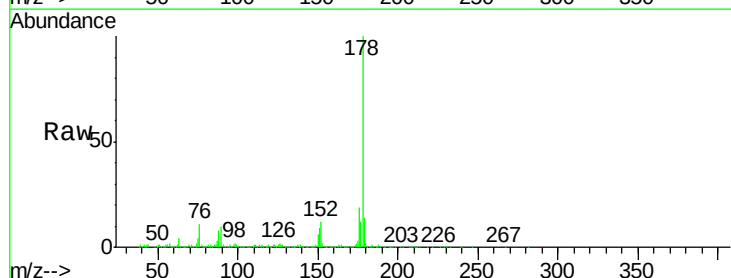
Tgt Ion:178 Resp: 310903

Ion Ratio Lower Upper

178 100

179 14.5 12.3 18.5

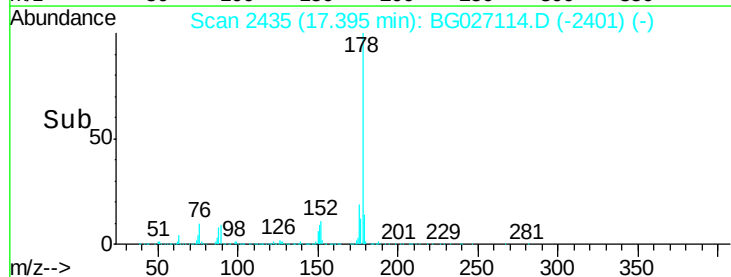
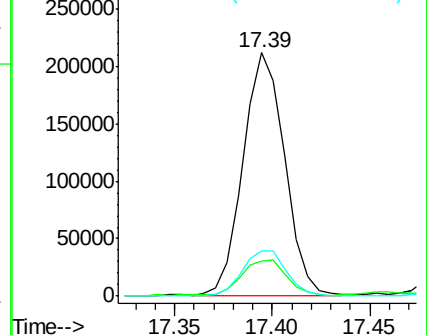
176 18.8 15.1 22.7

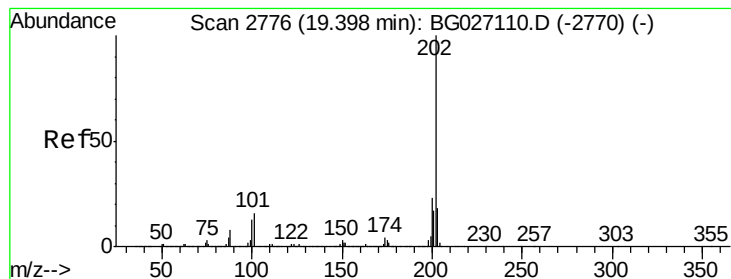


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 8.91 ng/ul

RT: 19.40 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

Instrument :

BNA_G

ClientSampled :

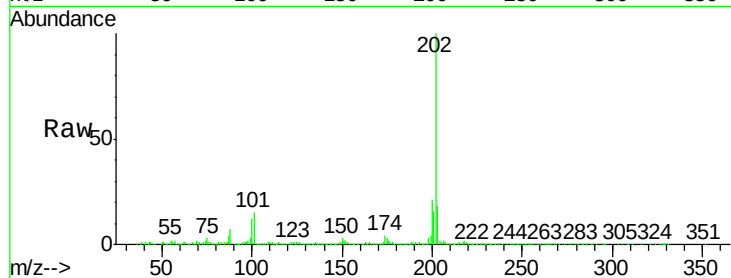
Tot Ion:202 Resp: 579082

Ion Ratio Lower Upper

202 100

101 15.4 9.9 14.9#

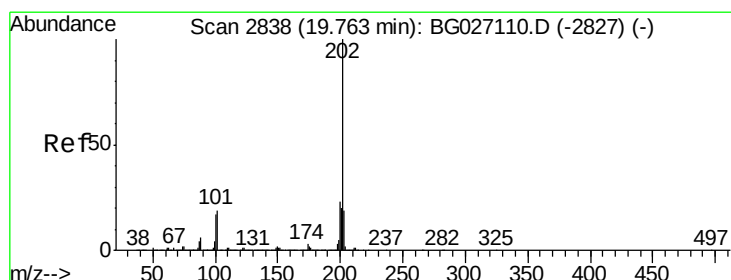
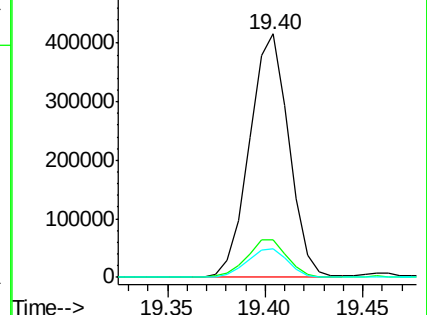
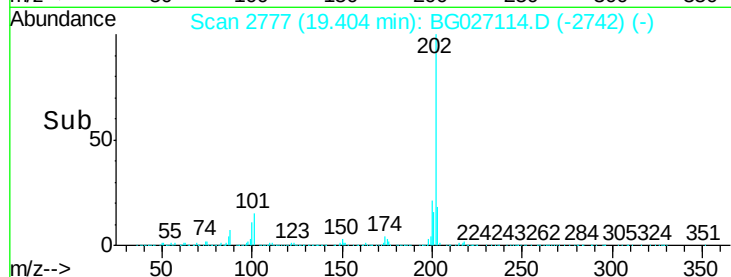
100 11.5 7.4 11.0#



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: 7.97 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

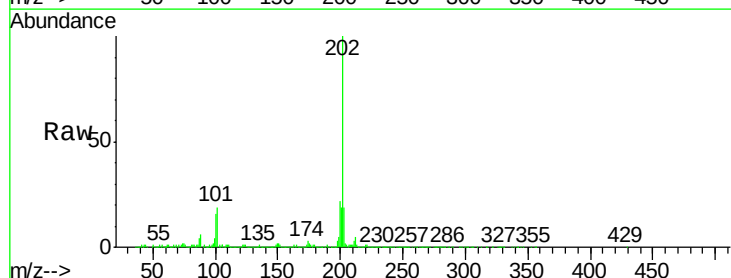
Tgt Ion:202 Resp: 547316

Ion Ratio Lower Upper

202 100

101 19.2 11.0 16.4#

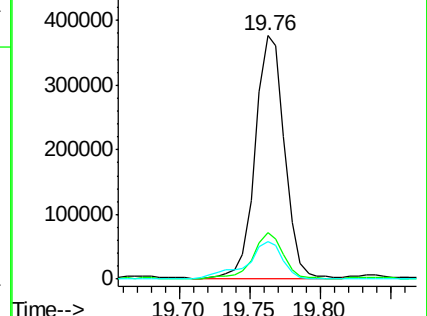
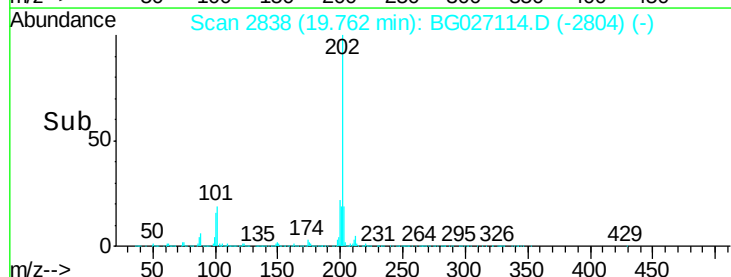
100 15.5 8.1 12.1#

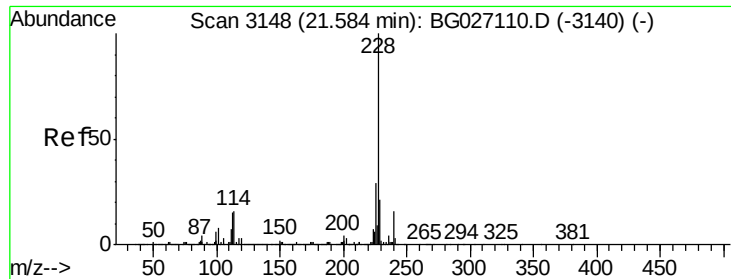


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 4.38 ng/ul

RT: 21.58 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

Instrument :

BNA_G

ClientSampleId :

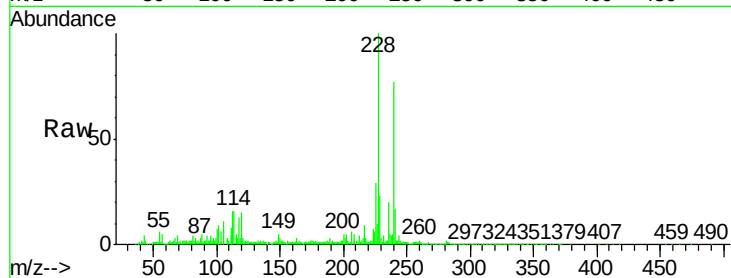
Tot Ion:228 Resp: 277657

Ion Ratio Lower Upper

228 100

229 23.1 15.7 23.5

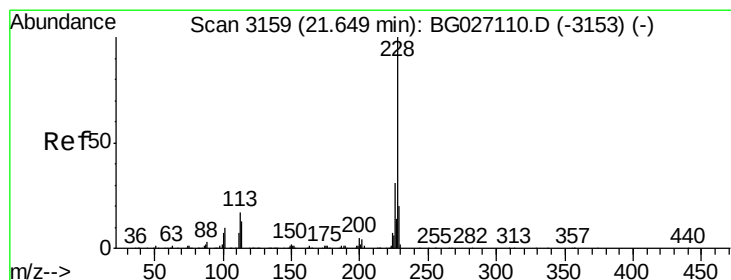
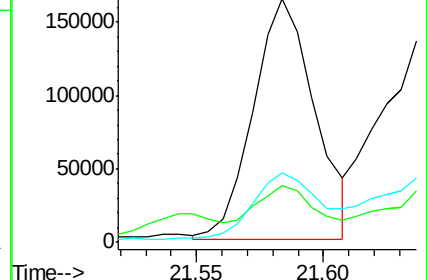
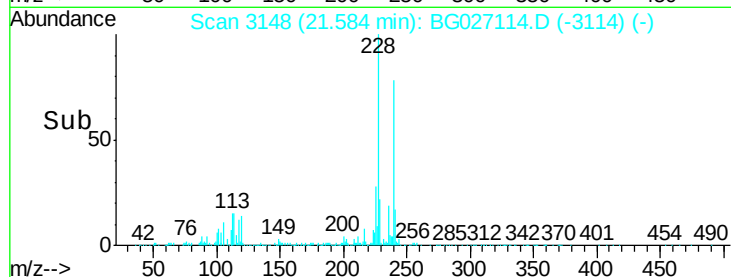
226 28.7 21.1 31.7



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: 7.51 ng/ul

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

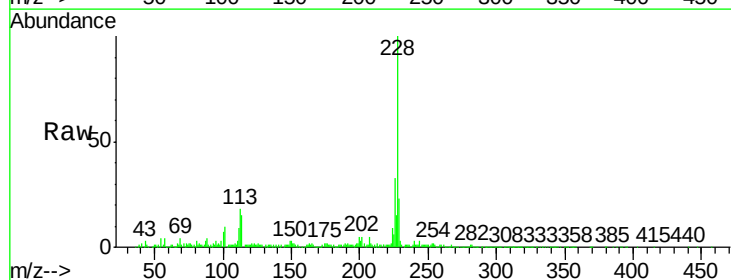
Tgt Ion:228 Resp: 436916

Ion Ratio Lower Upper

228 100

226 32.8 24.5 36.7

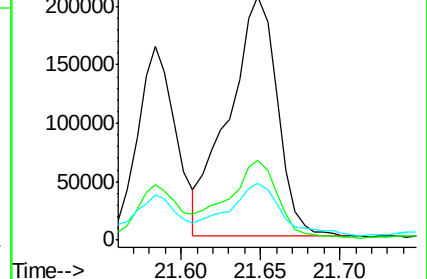
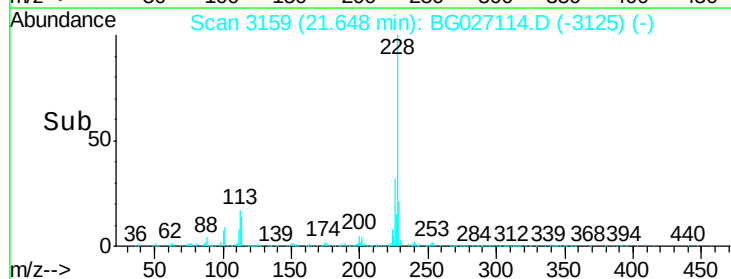
229 23.1 15.8 23.8

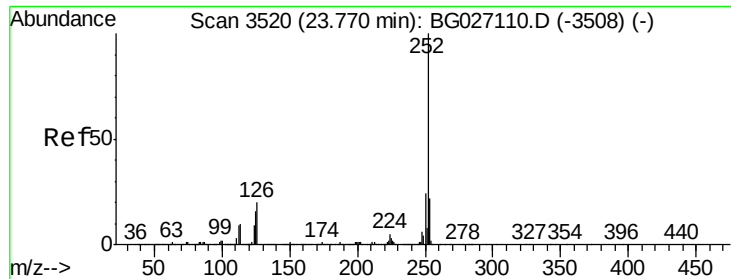


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 12.50 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.00 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

Instrument :

BNA_G

ClientSampleId :

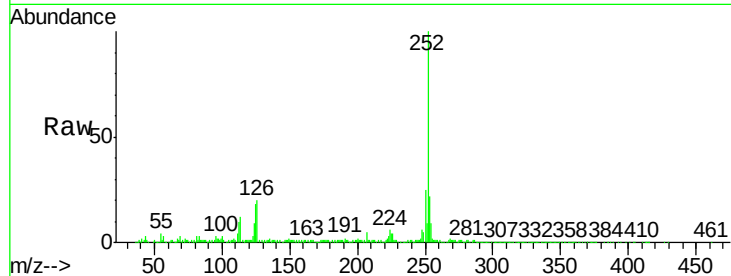
Tot Ion:252 Resp: 697528

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

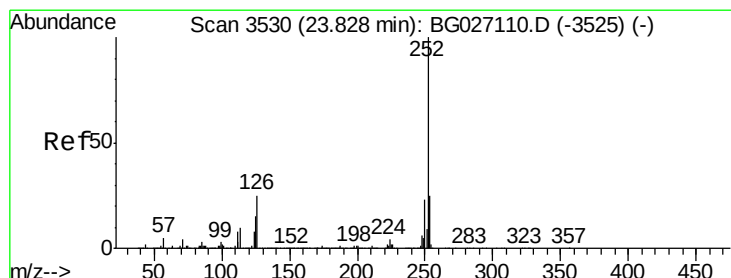
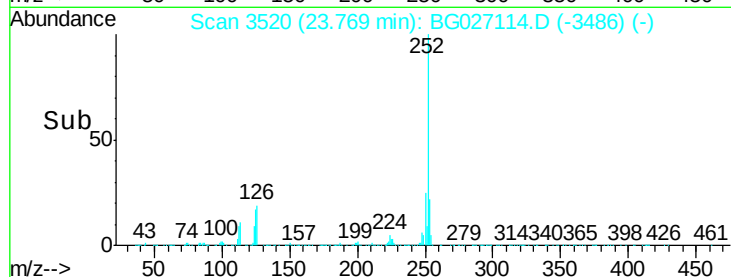
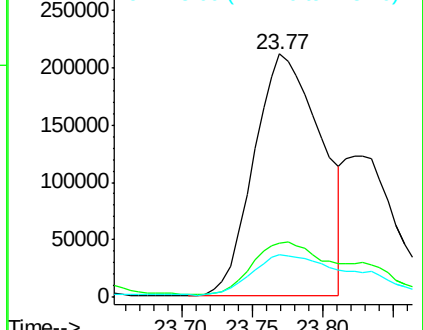
125 17.7 8.0 12.0#



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: 12.16 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

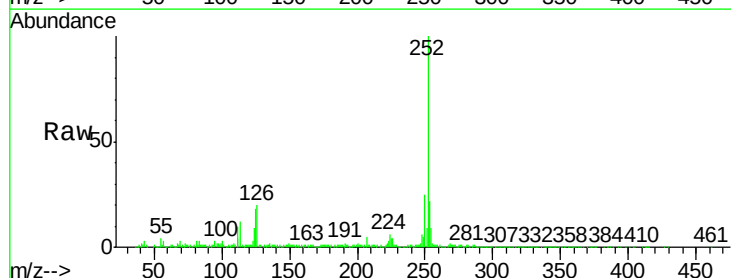
Tgt Ion:252 Resp: 697528

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

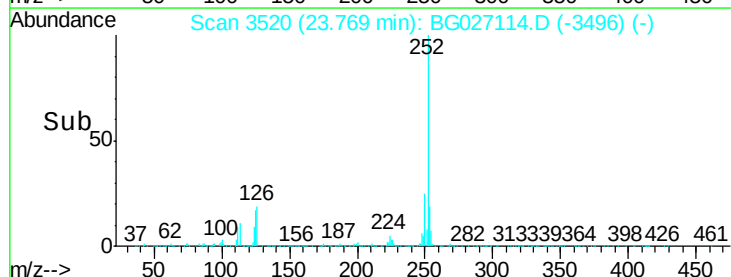
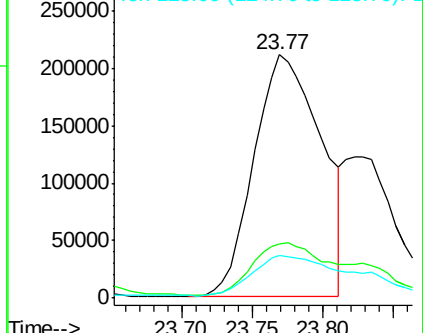
125 17.7 8.1 12.1#

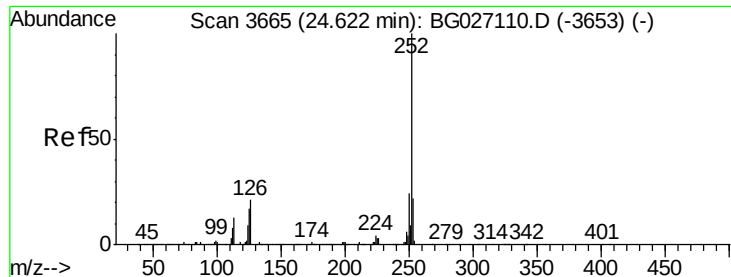


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 6.63 ng/ul

RT: 24.63 min Scan# 3666

Delta R.T. 0.01 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

Instrument :

BNA_G

ClientSampleId :

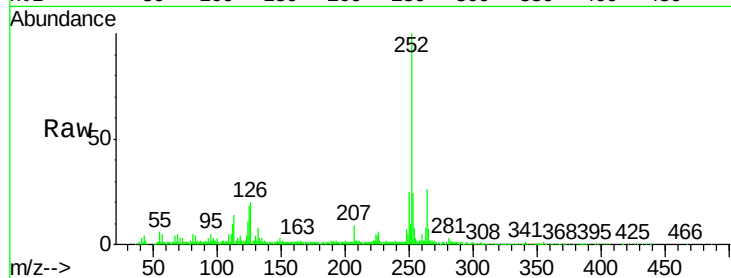
Tot Ion:252 Resp: 361976

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

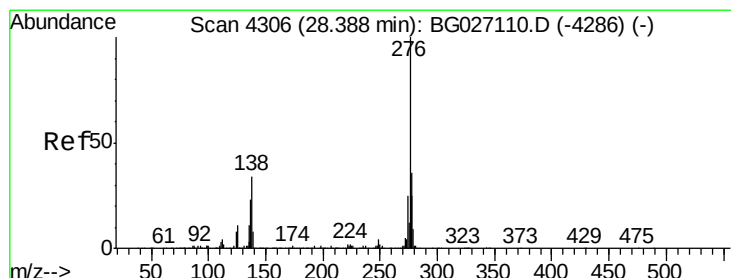
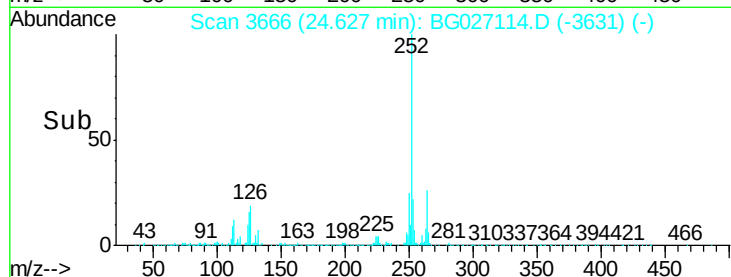
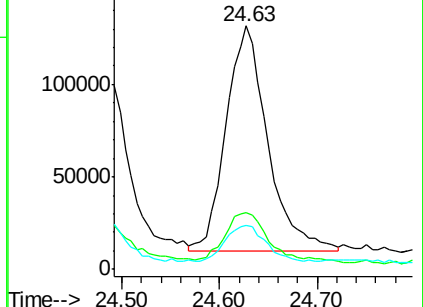
125 17.9 8.2 12.4#



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: 1.51 ng/ul

RT: 28.38 min Scan# 4304

Delta R.T. -0.01 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

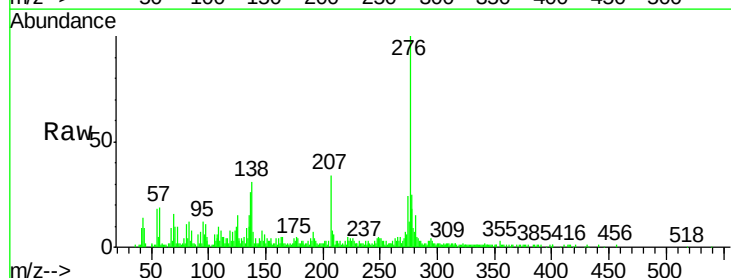
Tgt Ion:276 Resp: 75634

Ion Ratio Lower Upper

276 100

138 31.1 14.4 21.6#

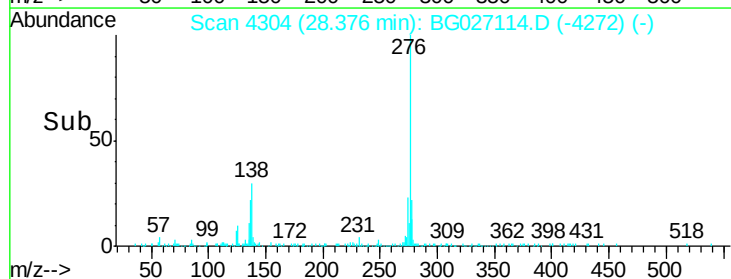
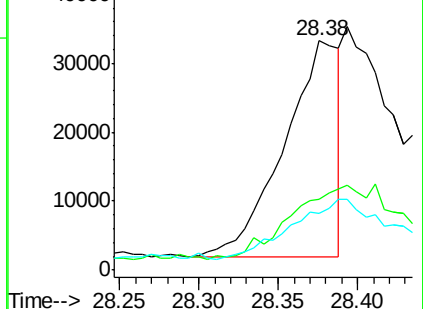
277 24.8 18.0 27.0

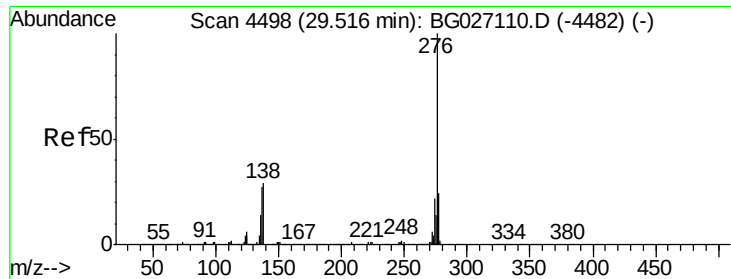


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.54 ng/ul

RT: 29.53 min Scan# 4500

Delta R.T. 0.01 min

Lab File: BG027114.D

Acq: 24 May 2017 3:47

Instrument :

BNA_G

ClientSampleId :

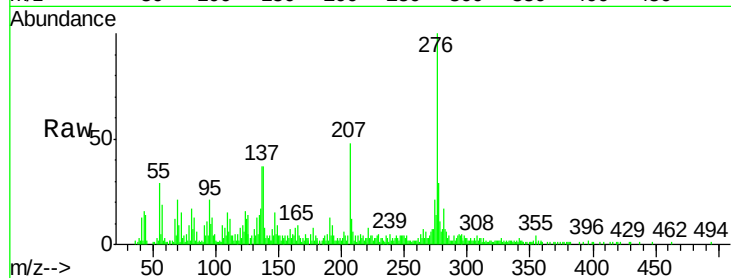
Tot Ion: 276 Resp: 101454

Ion Ratio Lower Upper

276 100

138 37.3 15.3 22.9#

277 28.5 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

