

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052417\
 Data File : BG027120.D
 Acq On : 24 May 2017 7:43
 Operator : SJ/MA
 Sample : I3276-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 24 08:31:14 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	221868	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	1023091	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	524757	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	944907	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	829971	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	738167	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.31	160	1233159	22.91	ng/ul	0.00
10) Fluorene-d10	15.60	176	772306	21.51	ng/ul	0.00
14) Anthracene-d10	17.36	188	944907	20.51	ng/ul	-0.10
18) Pyrene-d10	19.74	212	988334	22.81	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	836758	22.81	ng/ul	0.00

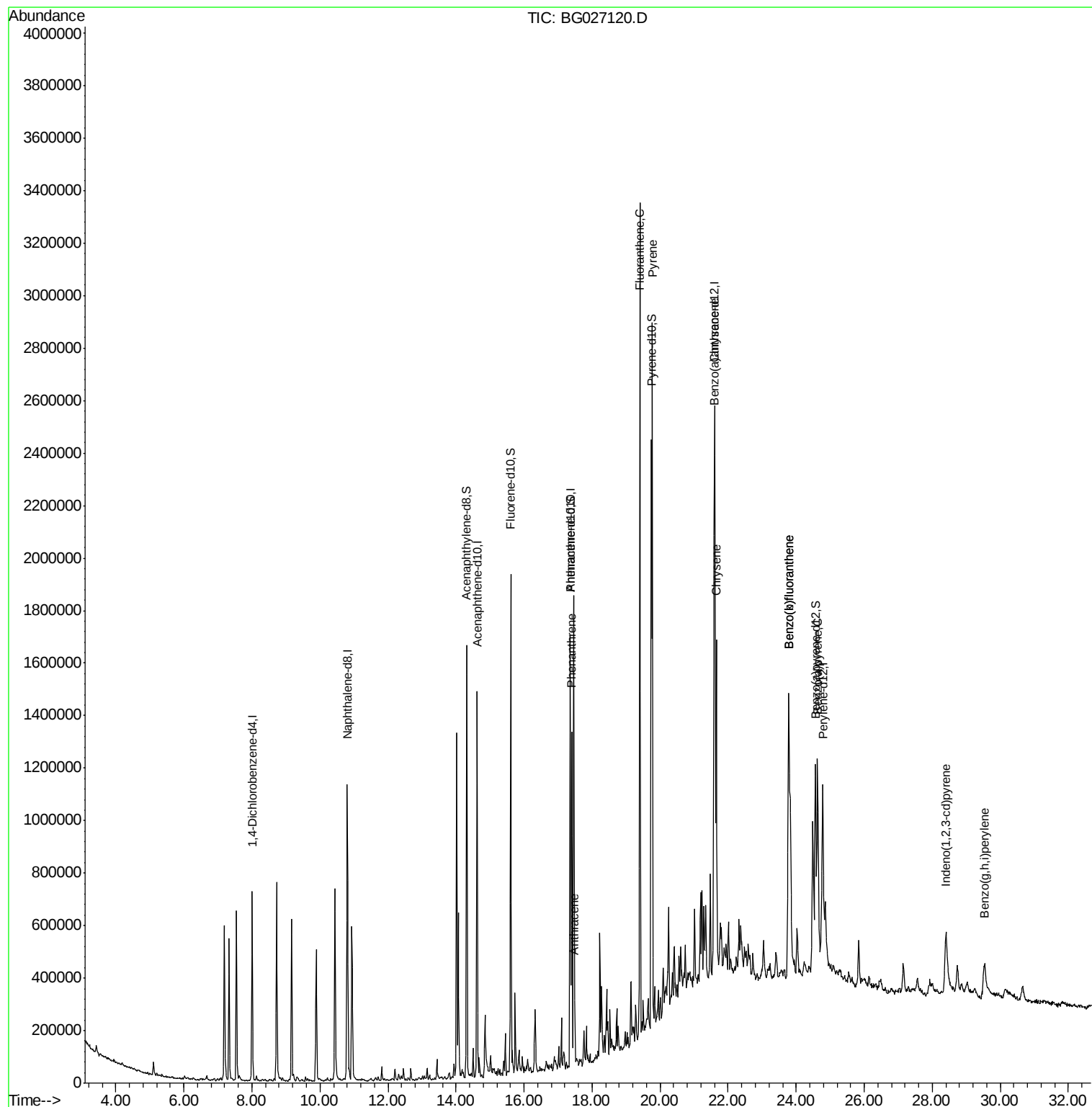
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	17.40	178	805286	15.25	ng/ul	97
15) Anthracene	17.49	178	161124	2.97	ng/ul	98
16) Fluoranthene	19.41	202	1747230	32.35	ng/ul#	89
19) Pyrene	19.77	202	1542484	28.43	ng/ul#	85
20) Benzo(a)anthracene	21.59	228	878572	17.57	ng/ul	95
21) Chrysene	21.66	228	835276	18.19	ng/ul	97
23) Benzo(b)fluoranthene	23.78	252	1195700	27.25	ng/ul#	92
24) Benzo(k)fluoranthene	23.78	252	1195700	26.50	ng/ul#	92
26) Benzo(a)pyrene	24.63	252	759224	17.69	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	28.40	276	371517	9.41	ng/ul#	84
29) Benzo(g,h,i)perylene	29.54	276	250649	7.98	ng/ul#	85

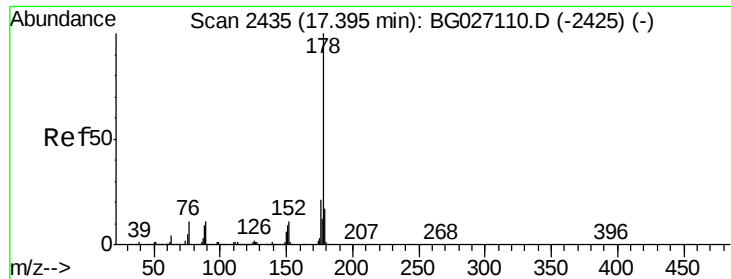
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 15.25 ng/ul

RT: 17.40 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

Instrument :

BNA_G

ClientSampleId :

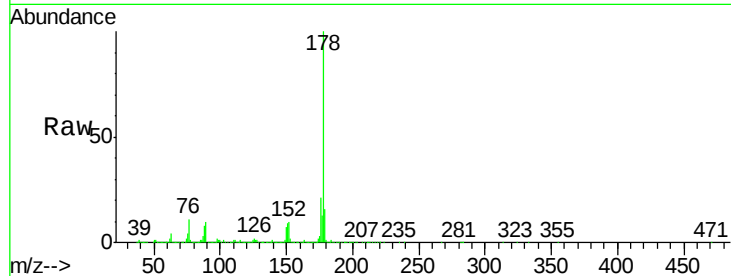
Tot Ion:178 Resp: 805286

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

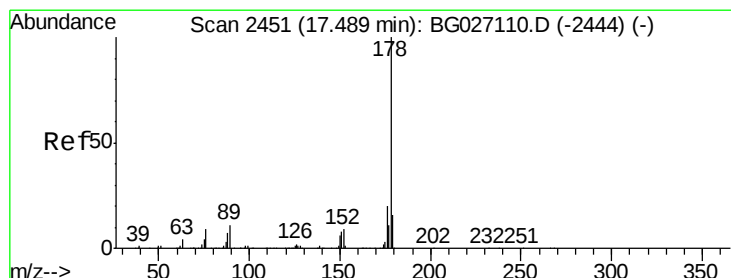
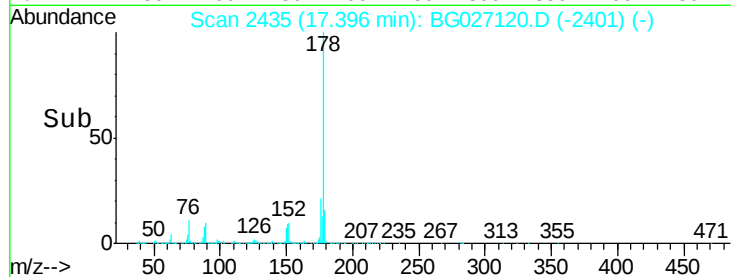
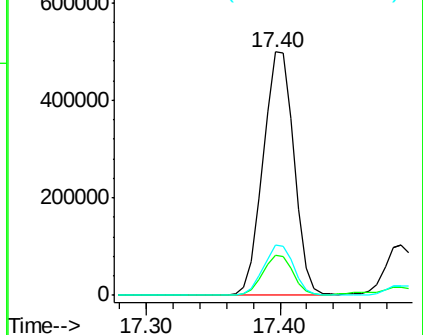
176 20.6 15.1 22.7



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: 2.97 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

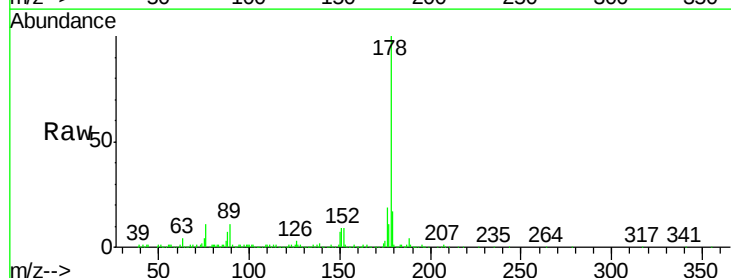
Tgt Ion:178 Resp: 161124

Ion Ratio Lower Upper

178 100

179 16.7 11.8 17.8

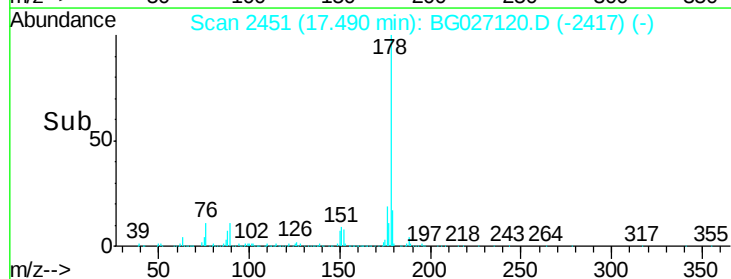
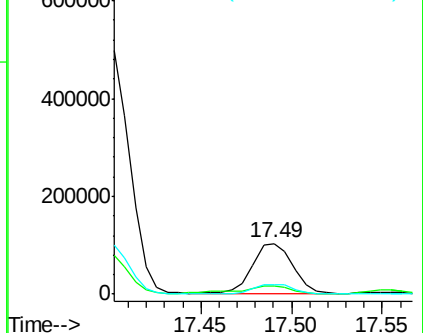
176 19.3 15.2 22.8

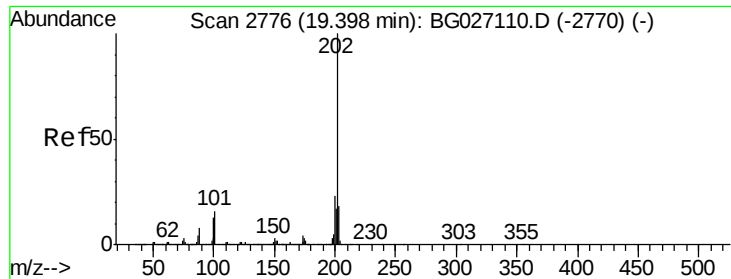


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 32.35 ng/ul

RT: 19.41 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

Instrument :

BNA_G

ClientSampleId :

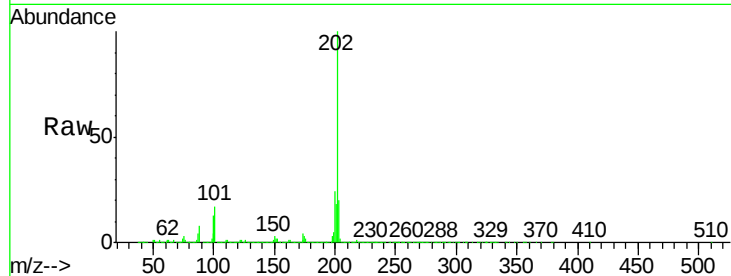
Tot Ion:202 Resp: 1747230

Ion Ratio Lower Upper

202 100

101 16.8 9.9 14.9#

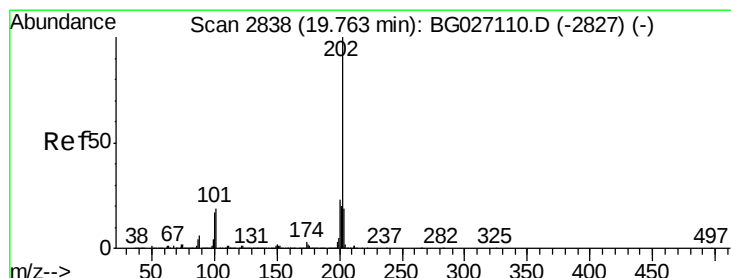
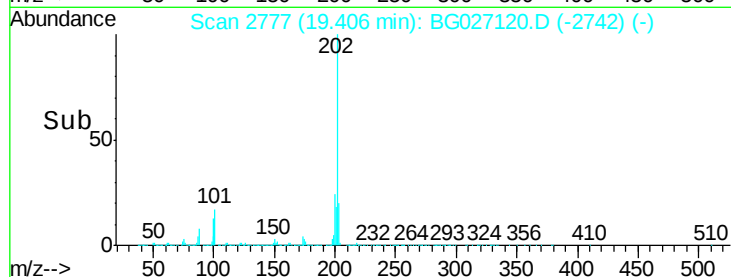
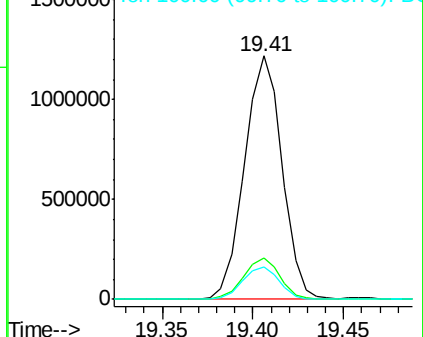
100 13.1 7.4 11.0#



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: 28.43 ng/ul

RT: 19.77 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

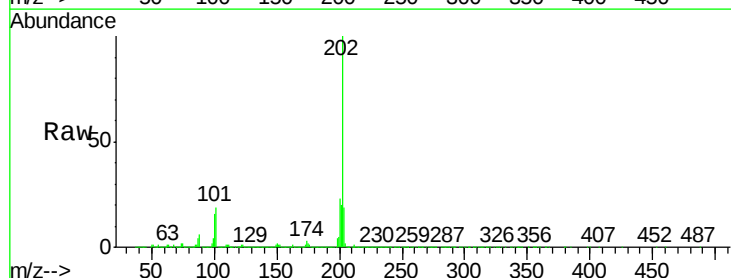
Tgt Ion:202 Resp: 1542484

Ion Ratio Lower Upper

202 100

101 19.0 11.0 16.4#

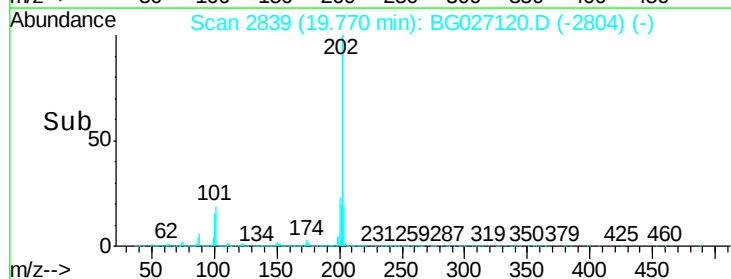
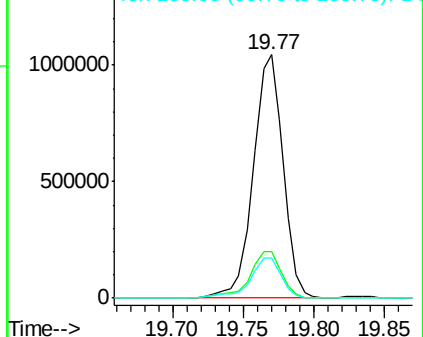
100 16.5 8.1 12.1#

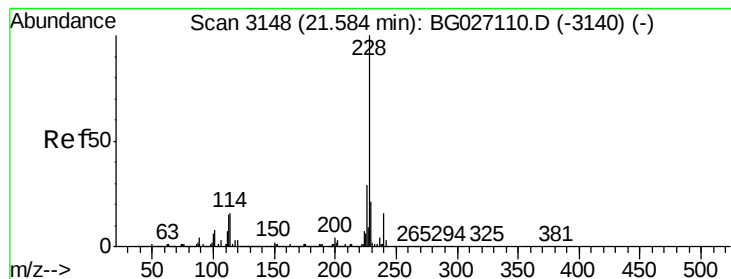


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 17.57 ng/ul

RT: 21.59 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

Instrument :

BNA_G

ClientSampleId :

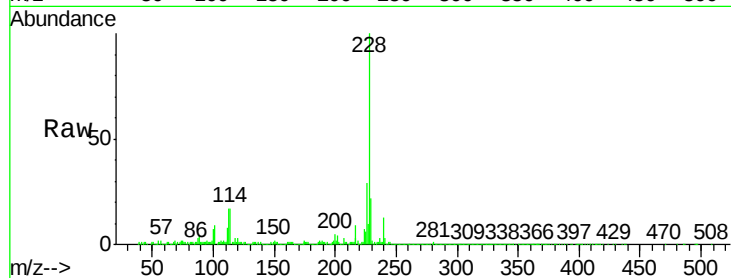
Tot Ion:228 Resp: 878572

Ion Ratio Lower Upper

228 100

229 21.8 15.7 23.5

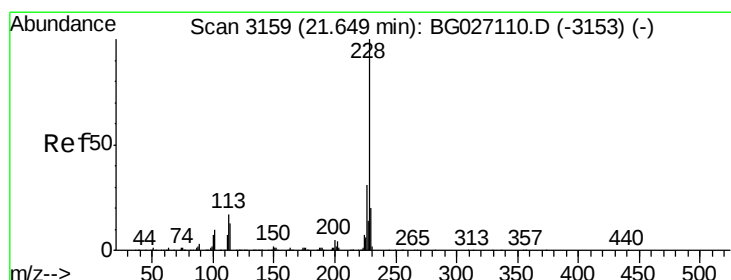
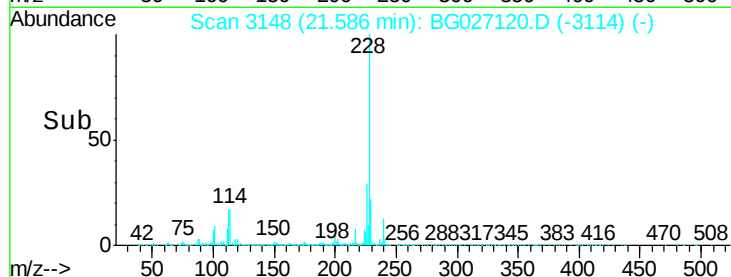
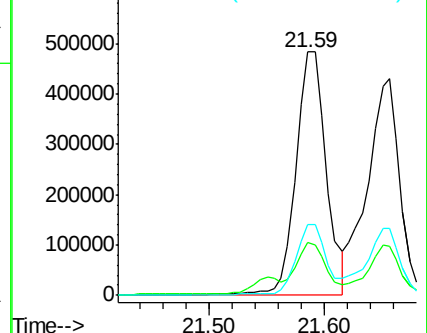
226 29.1 21.1 31.7



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: 18.19 ng/ul

RT: 21.66 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

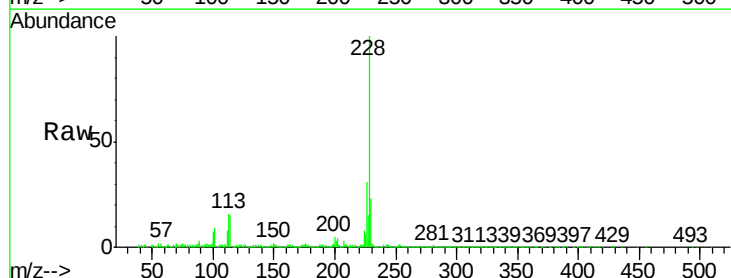
Tgt Ion:228 Resp: 835276

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

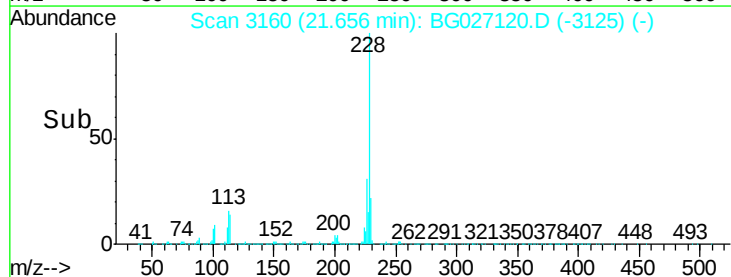
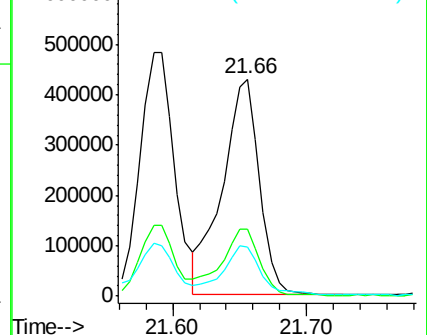
229 22.7 15.8 23.8

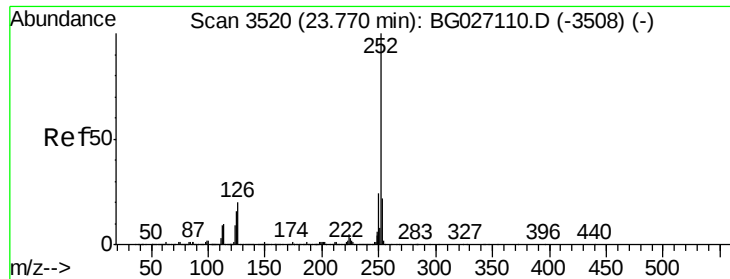


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 27.25 ng/ul

RT: 23.78 min Scan# 3521

Delta R.T. 0.01 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

Instrument :

BNA_G

ClientSampleId :

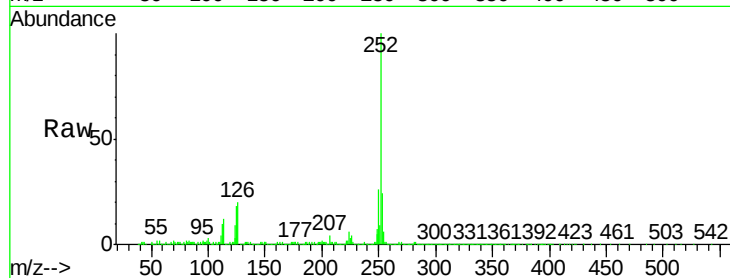
Tot Ion:252 Resp: 1195700

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

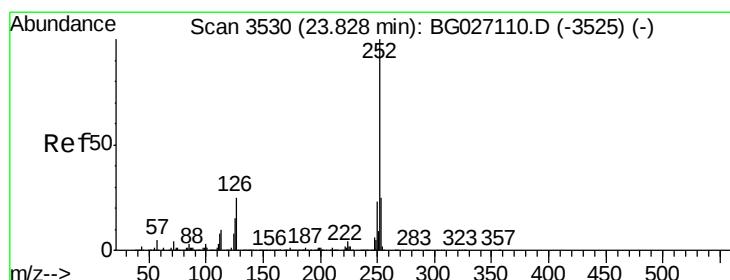
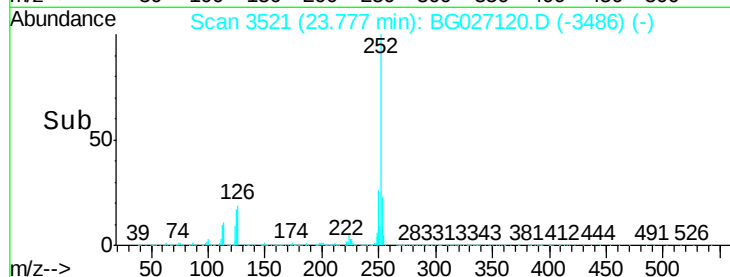
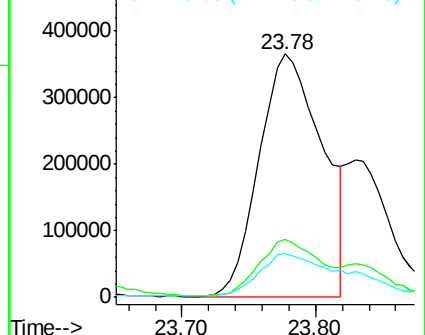
125 17.9 8.0 12.0#



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: 26.50 ng/ul

RT: 23.78 min Scan# 3521

Delta R.T. -0.05 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

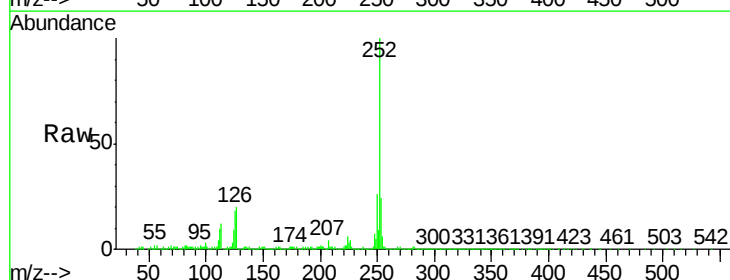
Tgt Ion:252 Resp: 1195700

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

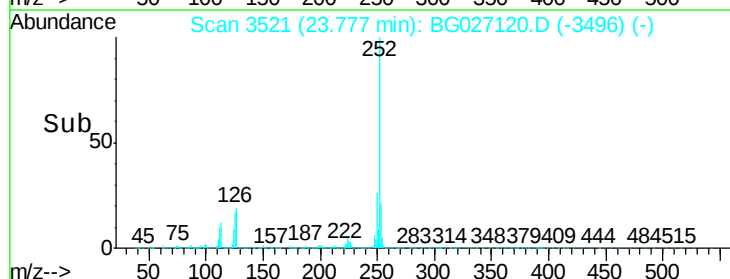
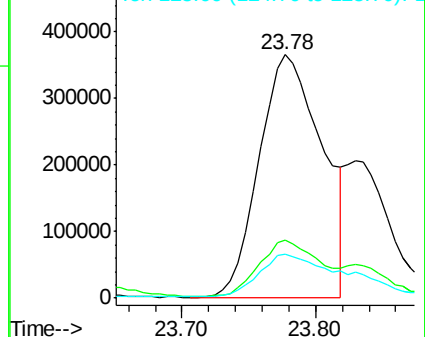
125 17.9 8.1 12.1#

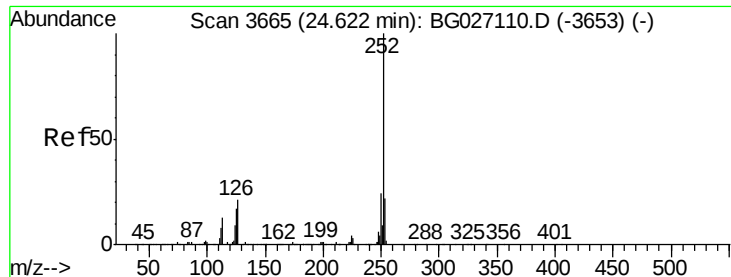


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 17.69 ng/ul

RT: 24.63 min Scan# 3666

Delta R.T. 0.01 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

Instrument :

BNA_G

ClientSampleId :

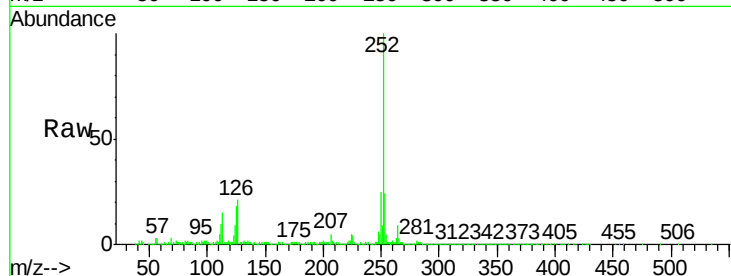
Tot Ion:252 Resp: 759224

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

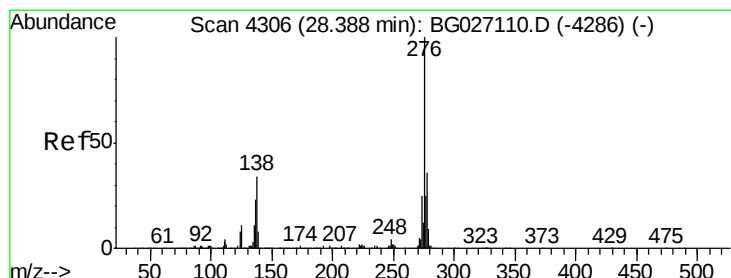
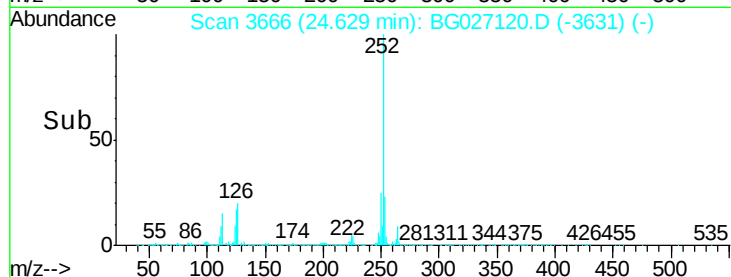
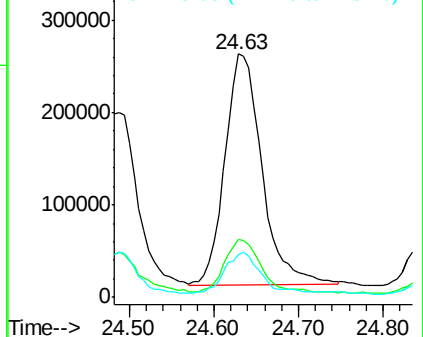
125 17.7 8.2 12.4#



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: 9.41 ng/ul

RT: 28.40 min Scan# 4308

Delta R.T. 0.01 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

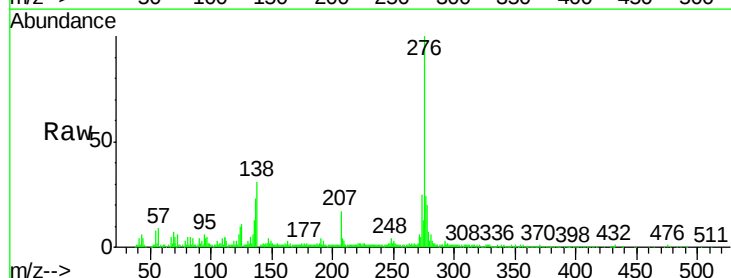
Tgt Ion:276 Resp: 371517

Ion Ratio Lower Upper

276 100

138 31.4 14.4 21.6#

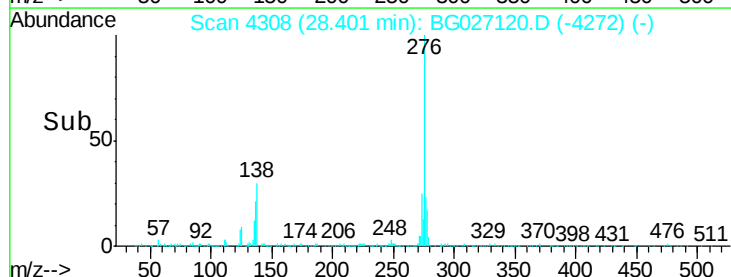
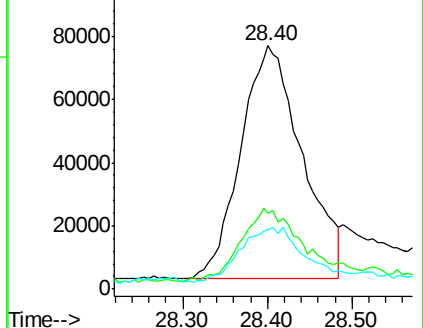
277 24.4 18.0 27.0

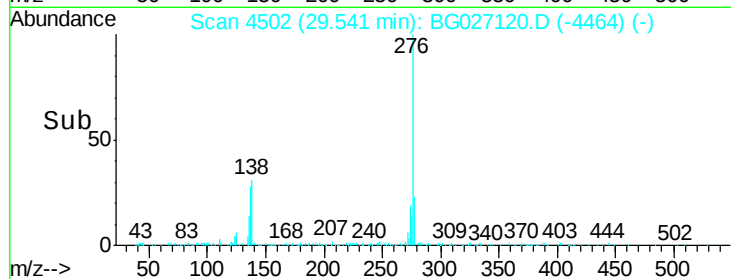
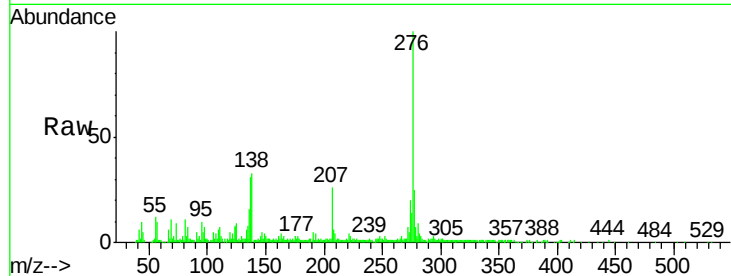
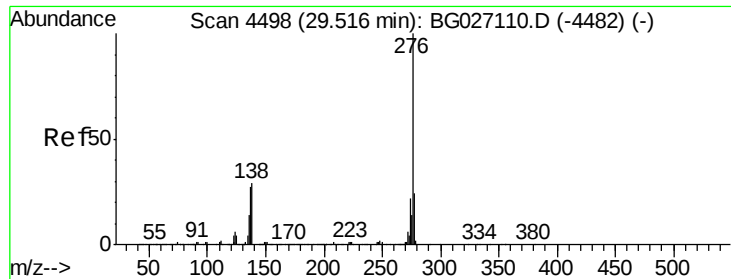


Abundance Ion 276.00 (275.70 to 276.70): E

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: 7.98 ng/ul

RT: 29.54 min Scan# 4502

Delta R.T. 0.03 min

Lab File: BG027120.D

Acq: 24 May 2017 7:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 250649

Ion Ratio Lower Upper

276 100

138 32.8 15.3 22.9#

277 24.8 19.0 28.4

