

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051817\
 Data File : BG027033.D
 Acq On : 19 May 2017 10:25
 Operator : SJ/MA
 Sample : I3136-20
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC30

Quant Time: May 19 12:48:55 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 04:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	244798	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	1132581	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	596069	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.35	188	1070498	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	966344	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	945358	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.31	160	1183166	19.35	ng/ul	0.00
10) Fluorene-d10	15.61	176	751040	18.41	ng/ul	0.00
14) Anthracene-d10	17.35	188	1070498	20.51	ng/ul	-0.09
18) Pyrene-d10	19.73	212	975108	19.33	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	889624	18.94	ng/ul	0.01

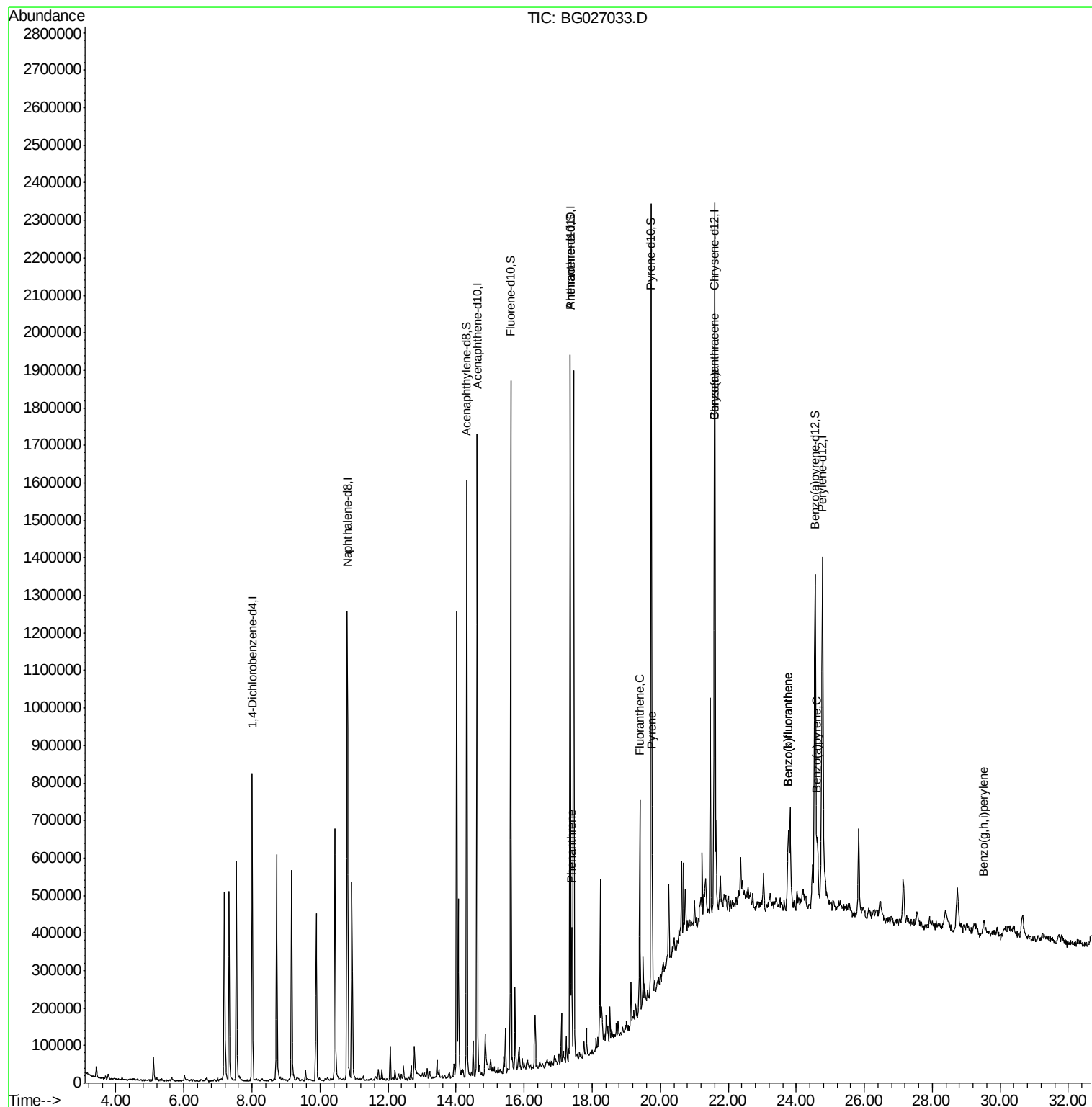
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	17.40	178	206604	3.45	ng/ul	98
16) Fluoranthene	19.40	202	327472	5.35	ng/ul#	94
19) Pyrene	19.76	202	275228	4.36	ng/ul#	87
20) Benzo(a)anthracene	21.58	228	146963	2.52	ng/ul	96
21) Chrysene	21.58	228	146918	2.75	ng/ul	98
23) Benzo(b)fluoranthene	23.77	252	204503	3.64	ng/ul#	86
24) Benzo(k)fluoranthene	23.77	252	204503	3.54	ng/ul#	86
26) Benzo(a)pyrene	24.62	252	123415	2.25	ng/ul#	91
29) Benzo(g,h,i)perylene	29.51	276	58880	1.46	ng/ul#	72

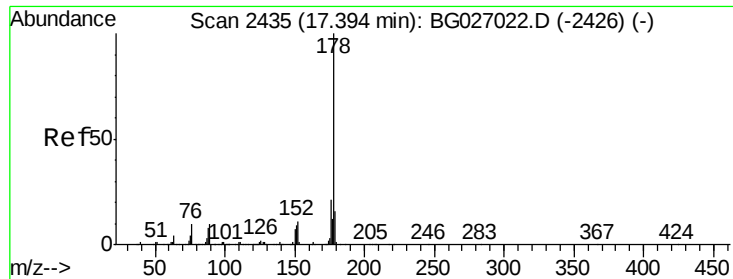
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 3.45 ng/ul

RT: 17.40 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

Instrument :

BNA_G

ClientSampleId :

DAC30

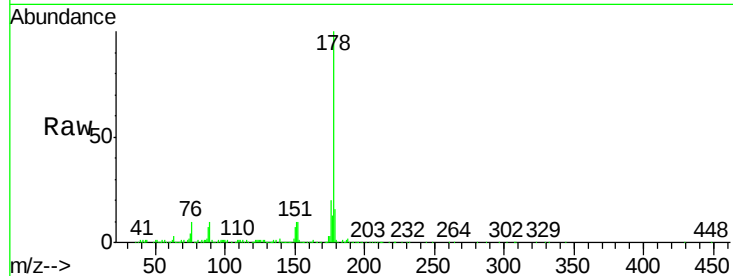
Tgt Ion:178 Resp: 206604

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

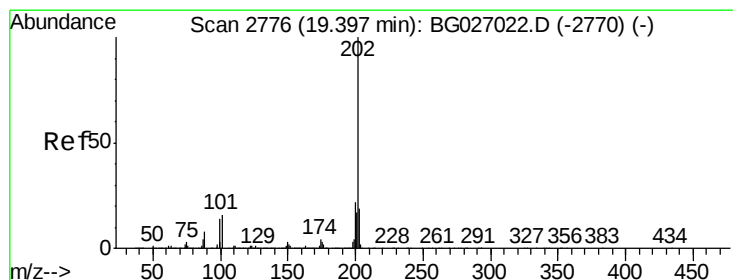
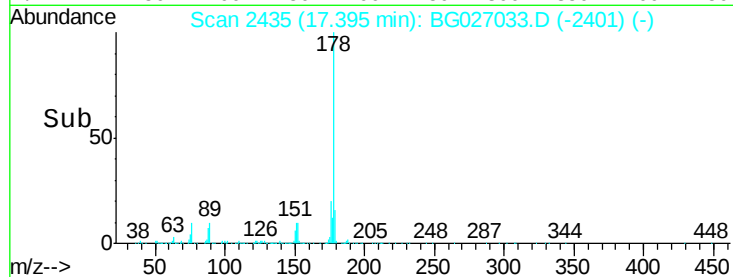
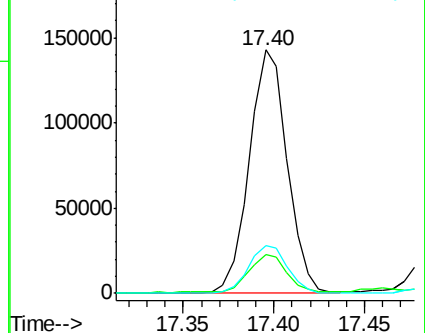
176 19.6 15.1 22.7



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



#16

Fluoranthene

Concen: 5.35 ng/ul

RT: 19.40 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

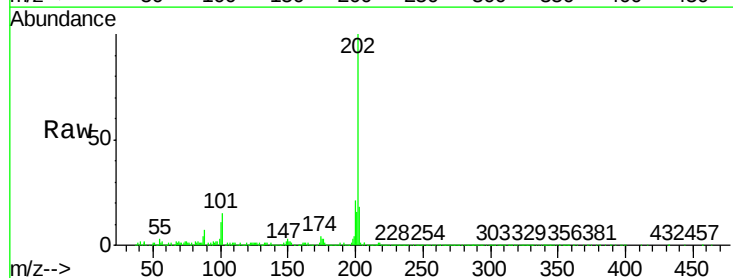
Tgt Ion:202 Resp: 327472

Ion Ratio Lower Upper

202 100

101 15.0 9.9 14.9#

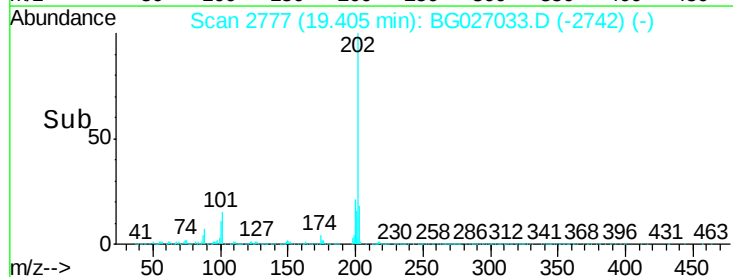
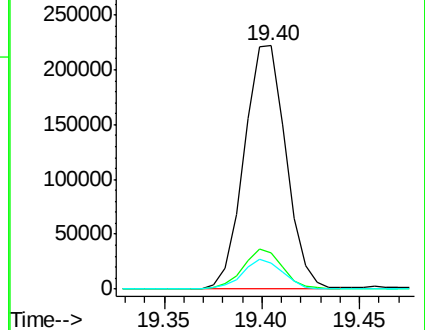
100 10.9 7.4 11.0

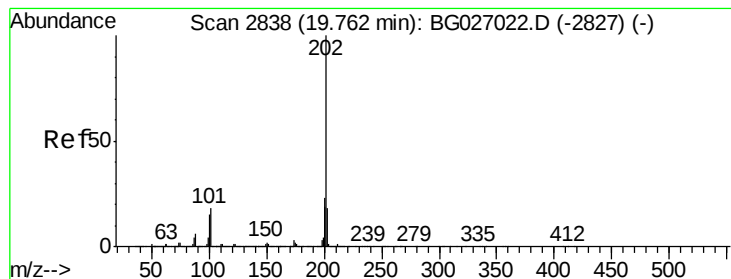


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 4.36 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

Instrument :

BNA_G

ClientSampleId :

DAC30

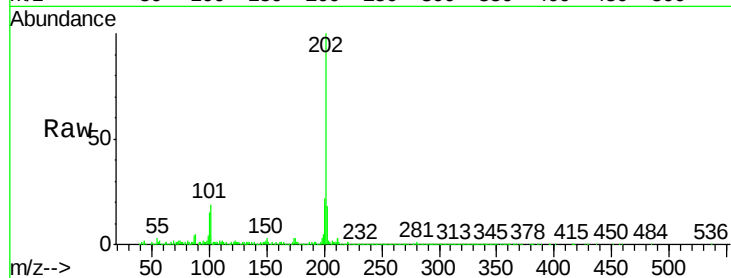
Tgt Ion:202 Resp: 275228

Ion Ratio Lower Upper

202 100

101 19.1 11.0 16.4#

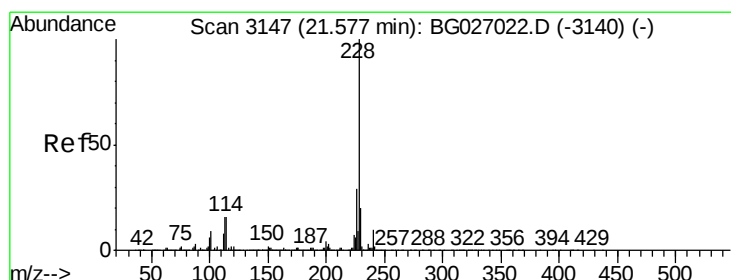
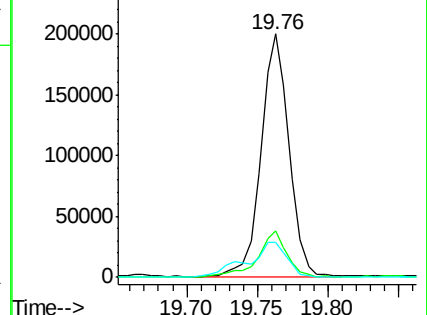
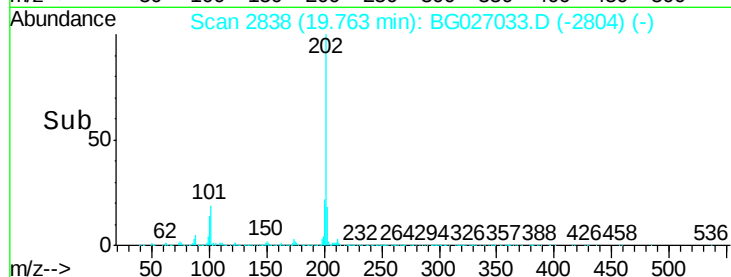
100 14.6 8.1 12.1#



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: 2.52 ng/ul

RT: 21.58 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

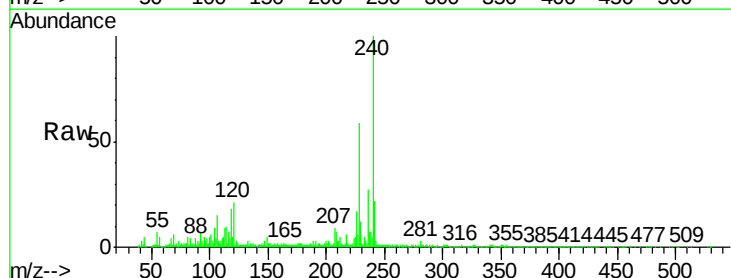
Tgt Ion:228 Resp: 146963

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

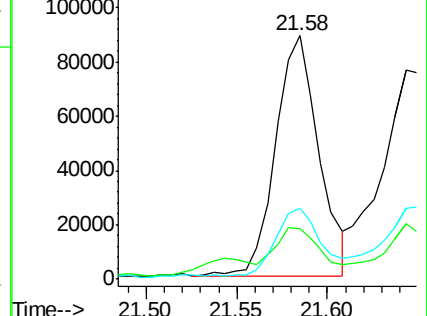
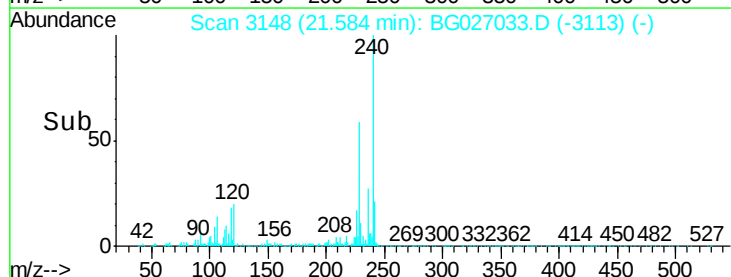
226 29.2 21.1 31.7

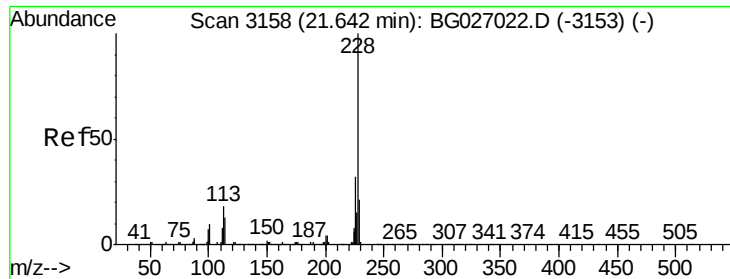


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 2.75 ng/ul

RT: 21.58 min Scan# 3148

Delta R.T. -0.06 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

Instrument :

BNA_G

ClientSampleId :

DAC30

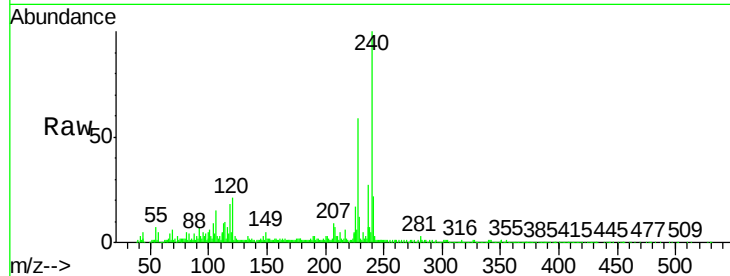
Tgt Ion:228 Resp: 146918

Ion Ratio Lower Upper

228 100

226 29.2 24.5 36.7

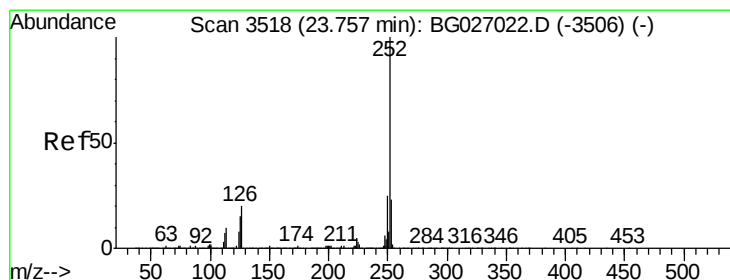
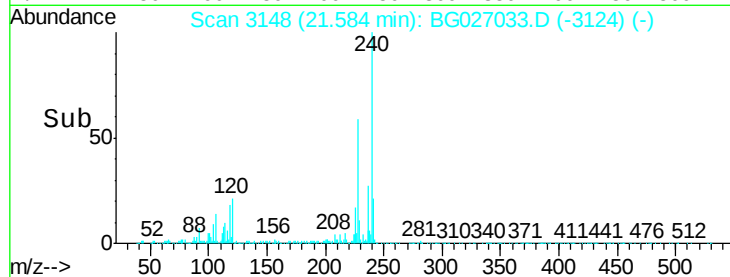
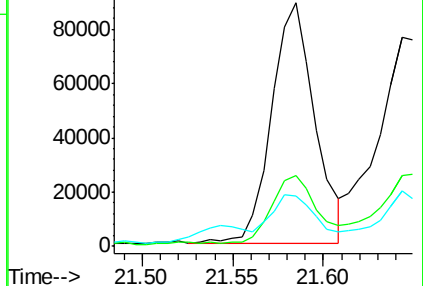
229 20.6 15.8 23.8



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: 3.64 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

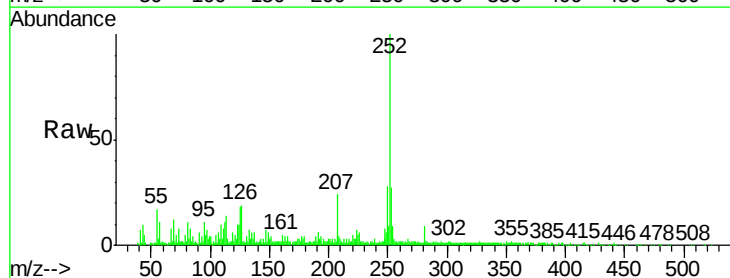
Tgt Ion:252 Resp: 204503

Ion Ratio Lower Upper

252 100

253 27.4 18.0 27.0#

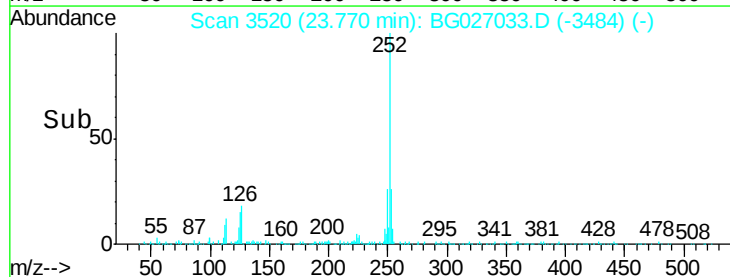
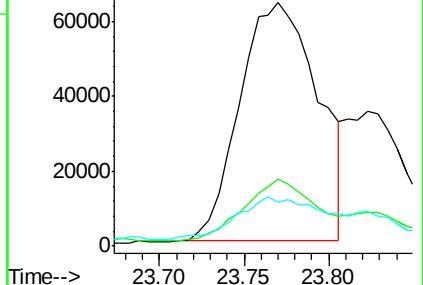
125 18.1 8.0 12.0#

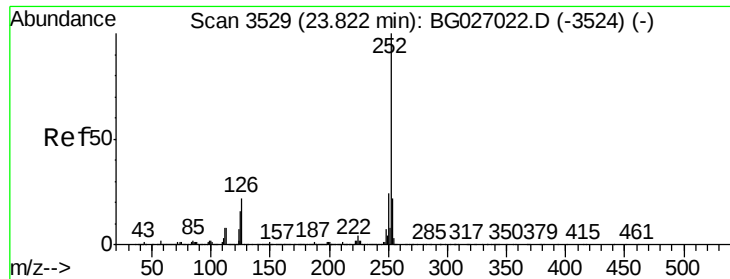


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 3.54 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.05 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

Instrument :

BNA_G

ClientSampleId :

DAC30

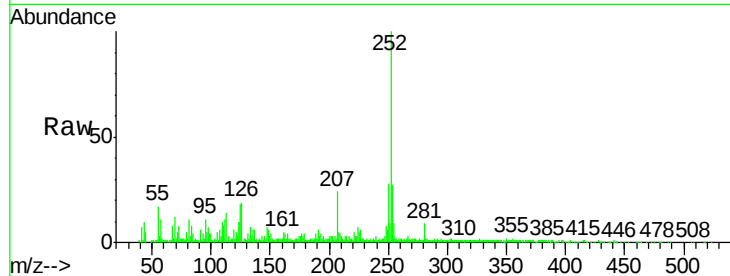
Tgt Ion:252 Resp: 204503

Ion Ratio Lower Upper

252 100

253 27.4 18.0 27.0#

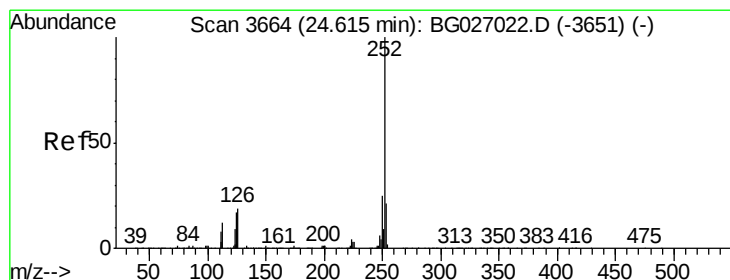
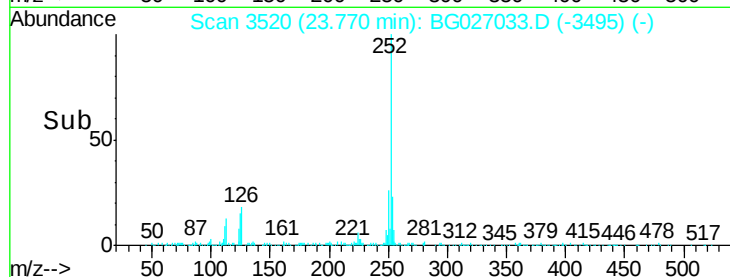
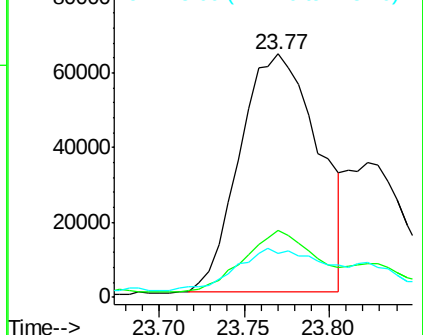
125 18.1 8.1 12.1#



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: 2.25 ng/ul

RT: 24.62 min Scan# 3665

Delta R.T. 0.01 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

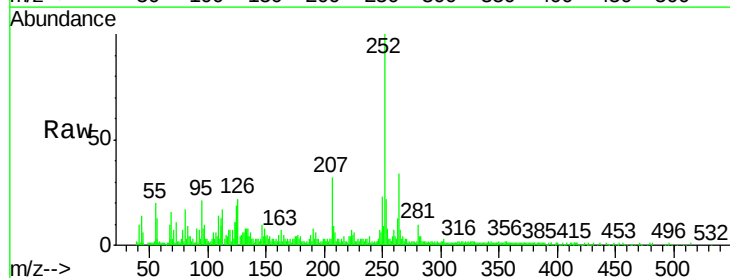
Tgt Ion:252 Resp: 123415

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

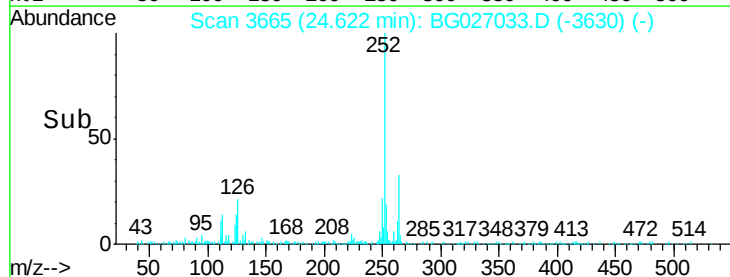
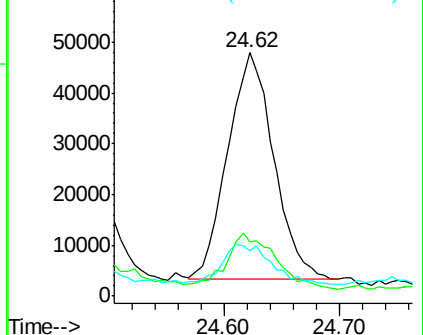
125 18.8 8.2 12.4#

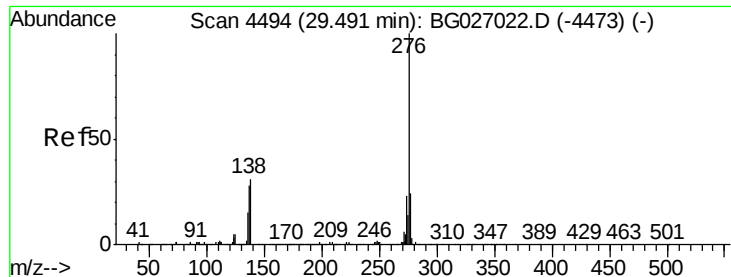


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(g,h,i)perylene

Concen: 1.46 ng/ul

RT: 29.51 min Scan# 4497

Delta R.T. 0.02 min

Lab File: BG027033.D

Acq: 19 May 2017 10:25

Instrument :

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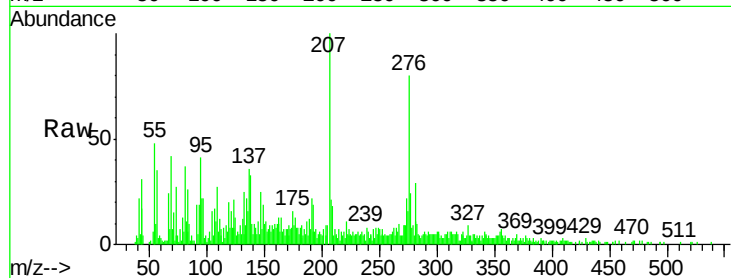
Tgt Ion:276 Resp: 58880

Ion Ratio Lower Upper

276 100

138 40.8 15.3 22.9#

277 29.4 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

