

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101317\
 Data File : BG029177.D
 Acq On : 11 Oct 2017 22:40
 Operator : SJ/JU
 Sample : I5668-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3G9

Quant Time: Oct 12 08:53:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:24:22 2017
 Response via : Initial Calibration

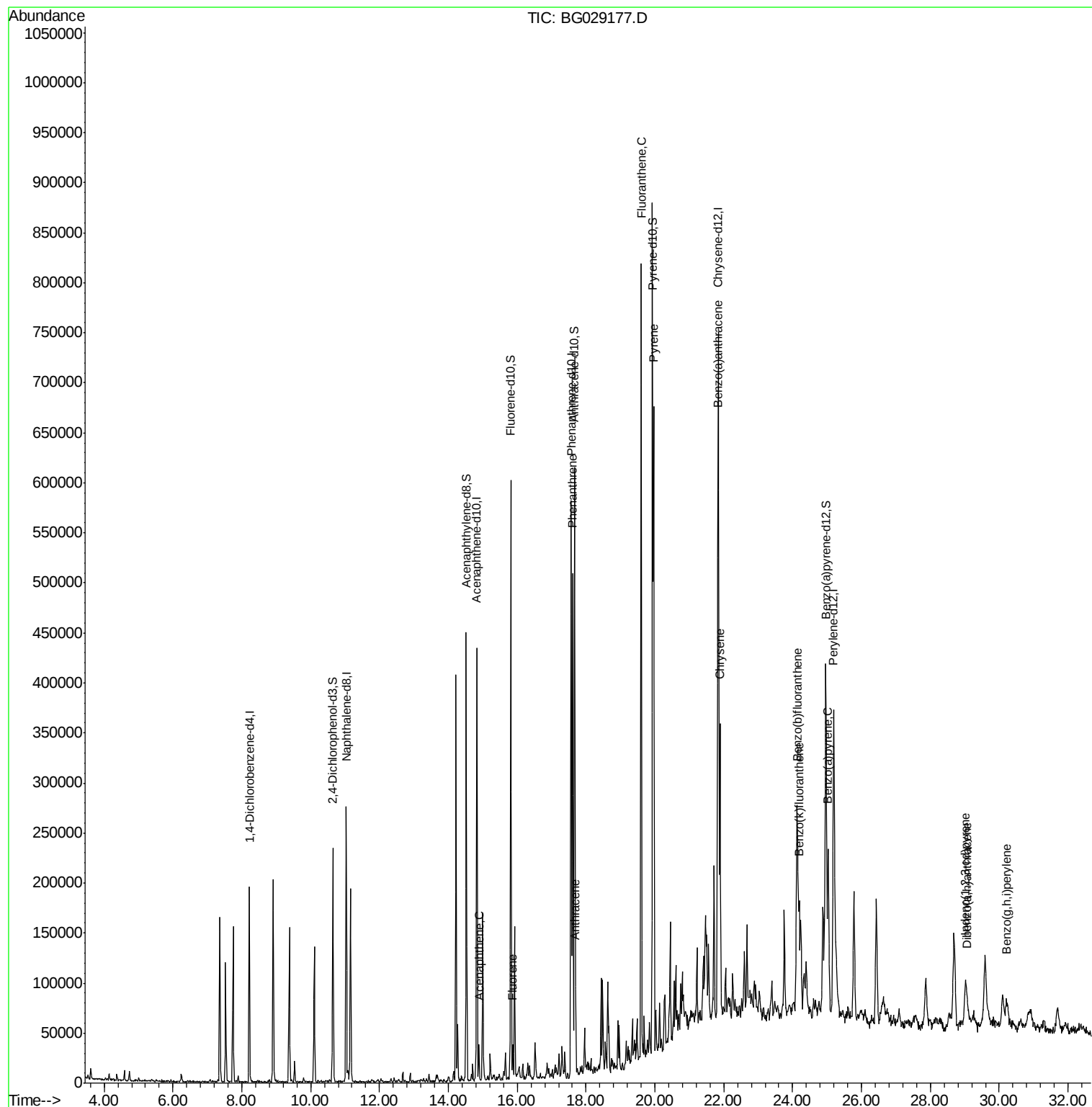
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	52212	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	228611	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	151924	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	353096	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	377968	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	389783	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.64	165	87018	19.91	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	327417	21.50	ng/ul	0.00
10) Fluorene-d10	15.81	176	244715	20.48	ng/ul	0.00
15) Anthracene-d10	17.66	188	358873	20.56	ng/ul	0.00
19) Pyrene-d10	19.93	212	428920	21.60	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	404734	20.76	ng/ul	0.00
Target Compounds				Qvalue		
9) Acenaphthene	14.89	153	15899	1.552	ng/ul	98
11) Fluorene	15.87	166	16353	1.385	ng/ul	96
14) Phenanthrene	17.60	178	310712	16.245	ng/ul	98
16) Anthracene	17.69	178	59407	3.030	ng/ul	95
17) Fluoranthene	19.60	202	505616	22.466	ng/ul	99
20) Pyrene	19.96	202	426714	18.620	ng/ul	99
21) Benzo(a)anthracene	21.82	228	244877	10.634	ng/ul	99
22) Chrysene	21.89	228	232135	11.168	ng/ul	99
24) Benzo(b)fluoranthene	24.12	252	314913	13.112	ng/ul	100
25) Benzo(k)fluoranthene	24.19	252	98653	4.170	ng/ul	97
27) Benzo(a)pyrene	25.04	252	199834	8.525	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	29.02	276	106436	4.764	ng/ul	99
29) Dibenzo(a,h)anthracene	29.06	278	27445	1.384	ng/ul#	93
30) Benzo(a,h,i)perylene	30.21	276	74685	4.794	ng/ul	100

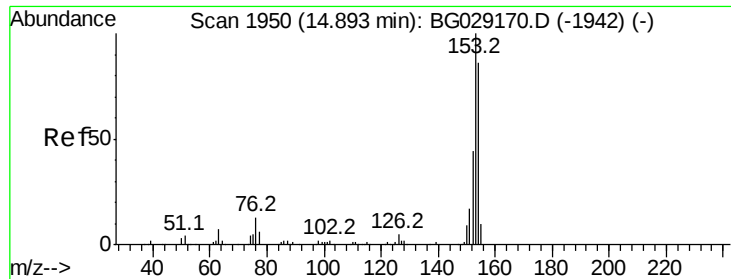
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.552 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

BNA_G

ClientSampleId :

CB3G9

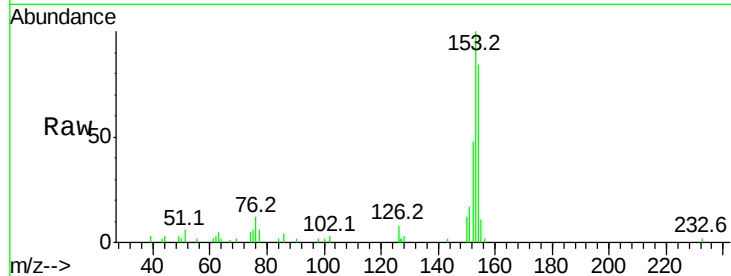
Tot Ion:153 Resp: 15899

Ion Ratio Lower Upper

153 100

152 47.6 36.2 54.4

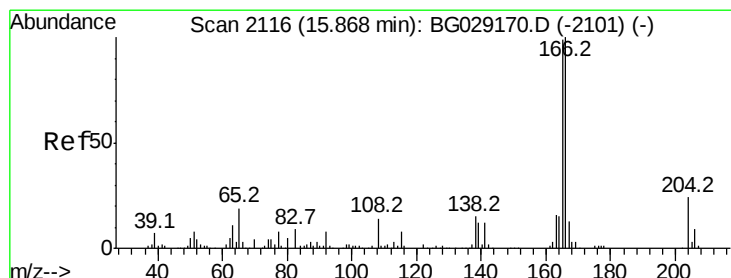
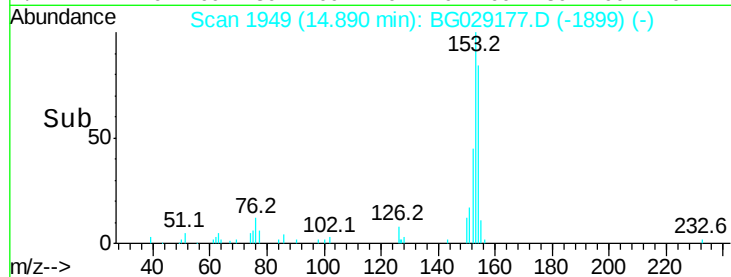
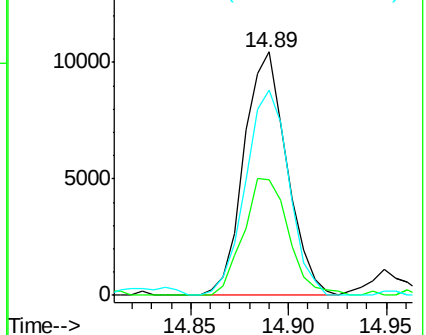
154 84.3 68.4 102.6



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: 1.385 ng/ul

RT: 15.87 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

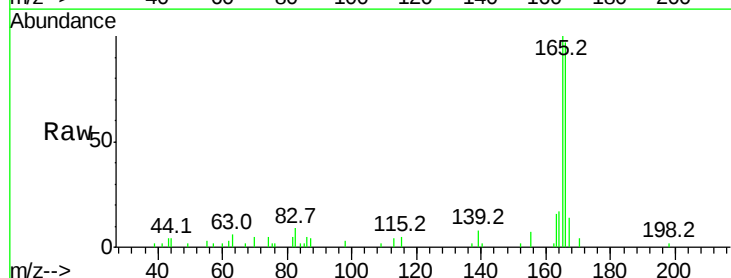
Tgt Ion:166 Resp: 16353

Ion Ratio Lower Upper

166 100

165 102.8 79.4 119.0

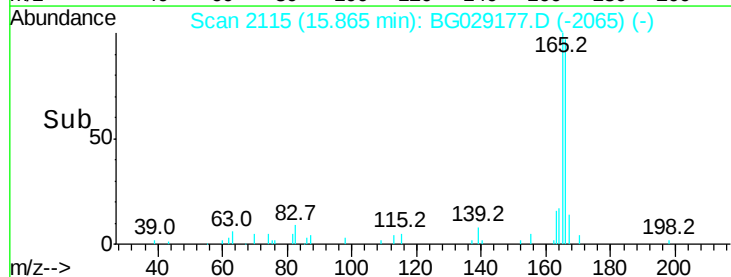
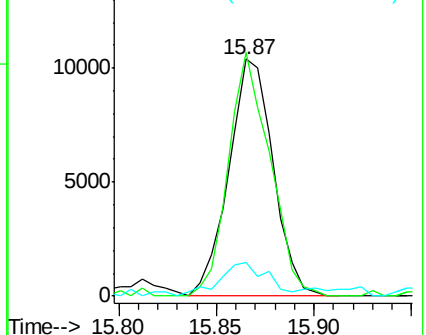
167 14.2 10.2 15.4

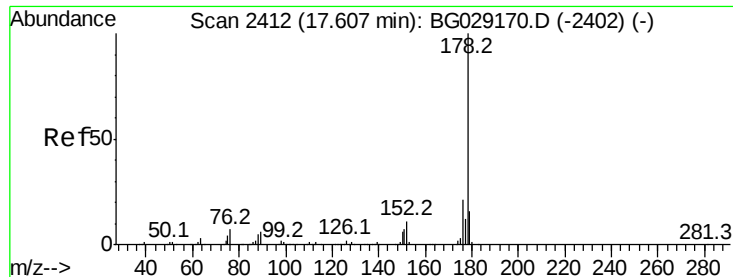


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 16.245 ng/ul

RT: 17.60 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

BNA_G

ClientSampleId :

CB3G9

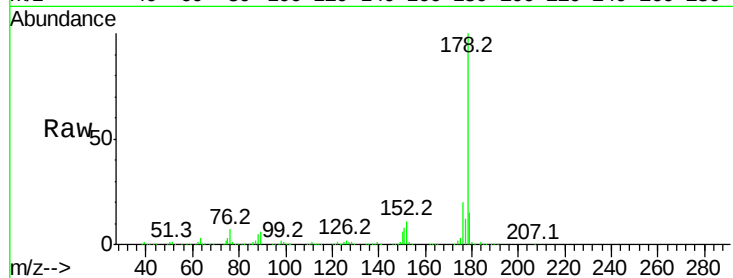
Tot Ion:178 Resp: 310712

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

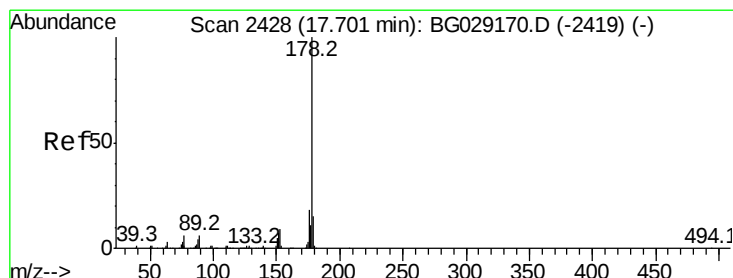
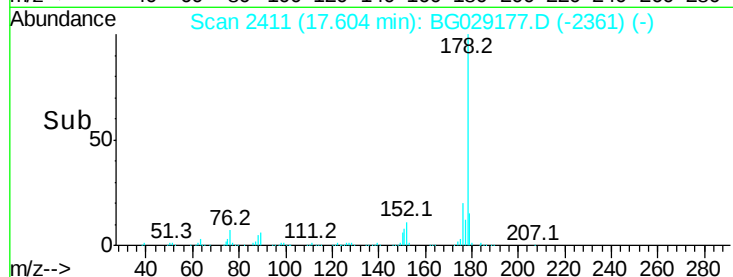
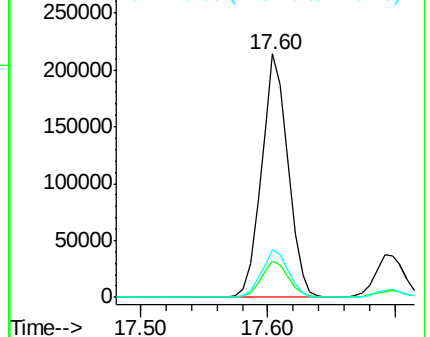
176 19.8 15.0 22.6



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

Anthracene

Concen: 3.030 ng/ul

RT: 17.69 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

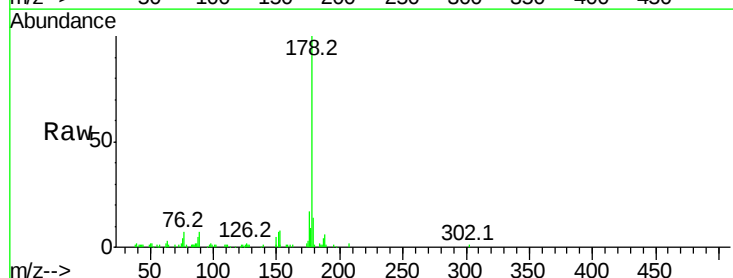
Tgt Ion:178 Resp: 59407

Ion Ratio Lower Upper

178 100

179 14.1 12.5 18.7

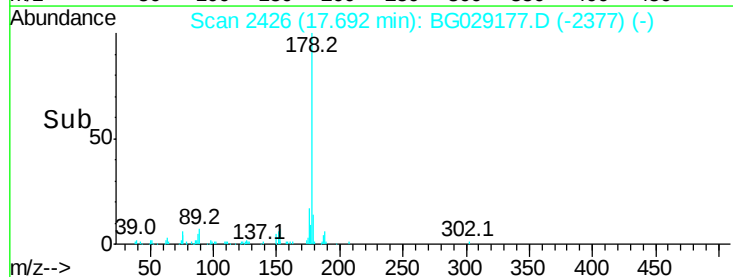
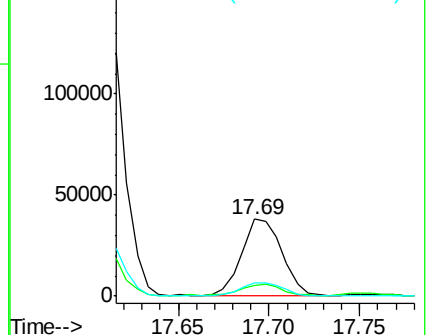
176 17.0 15.7 23.5

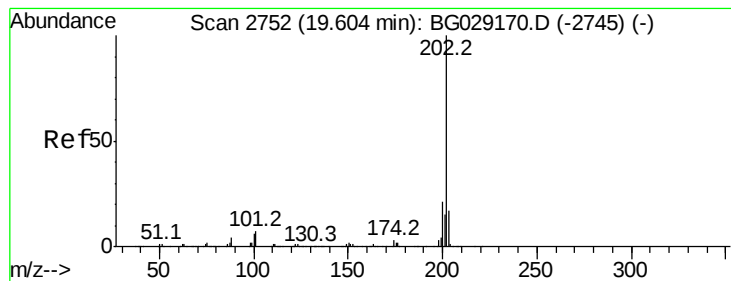


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 22.466 ng/ul

RT: 19.60 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

BNA_G

ClientSampleId :

CB3G9

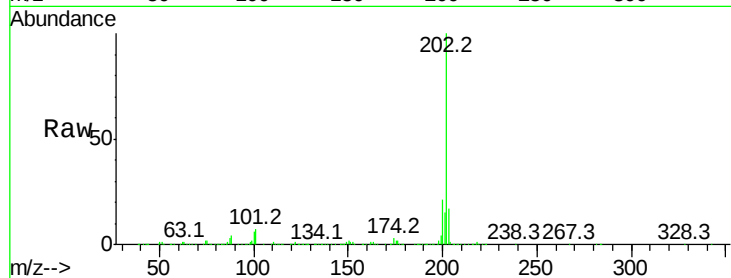
Tot Ion:202 Resp: 505616

Ion Ratio Lower Upper

202 100

101 7.1 5.6 8.4

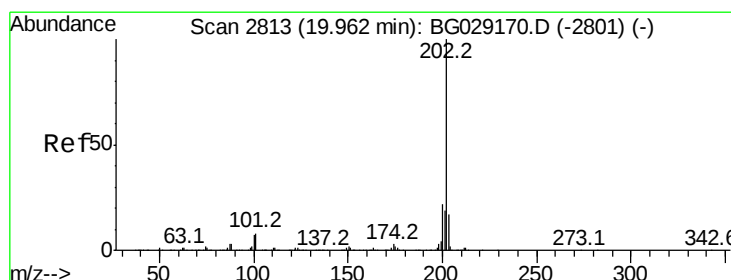
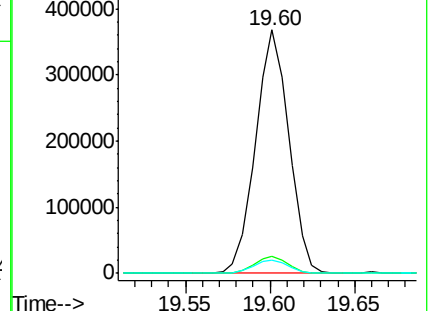
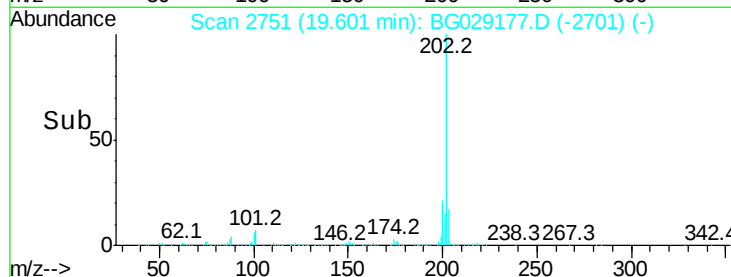
100 5.6 4.7 7.1



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

Pyrene

Concen: 18.620 ng/ul

RT: 19.96 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

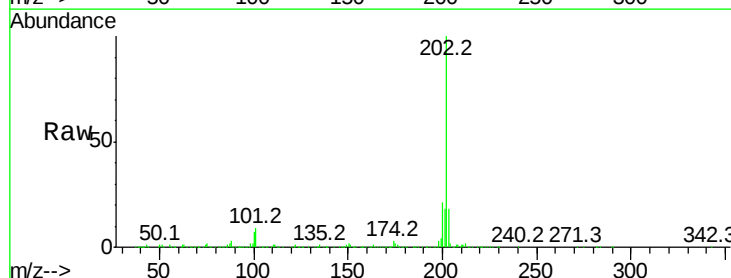
Tgt Ion:202 Resp: 426714

Ion Ratio Lower Upper

202 100

101 8.5 6.5 9.7

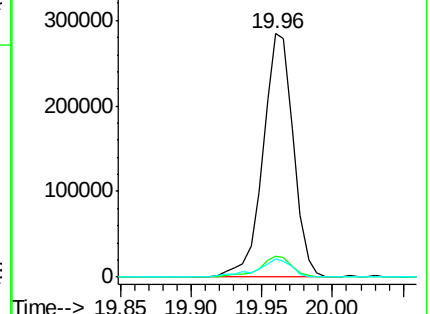
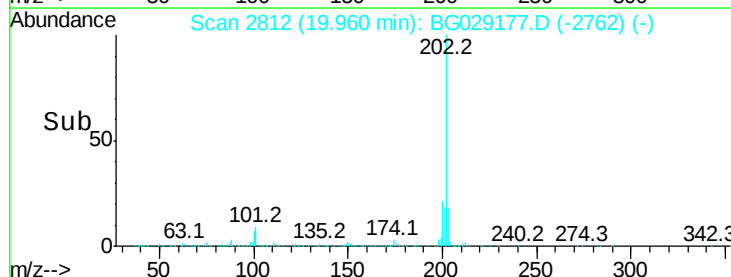
100 7.4 5.5 8.3

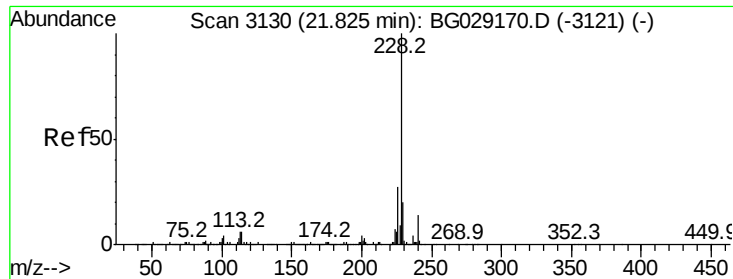


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 10.634 ng/ul

RT: 21.82 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

BNA_G

ClientSampleId :

CB3G9

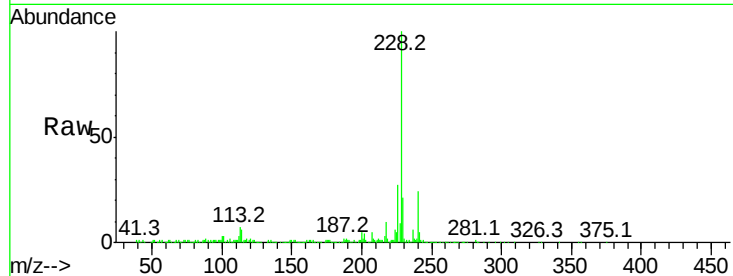
Tot Ion:228 Resp: 244877

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.8
226	26.9	21.6	32.4

228 100

229 20.6 15.8 23.8

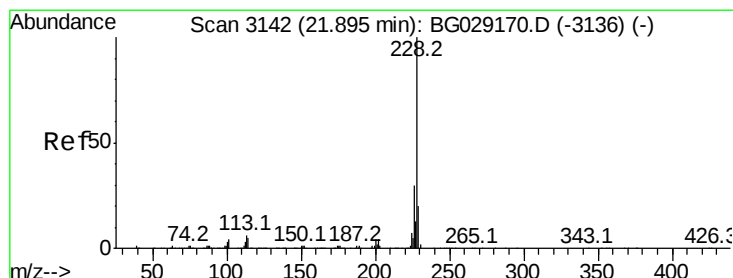
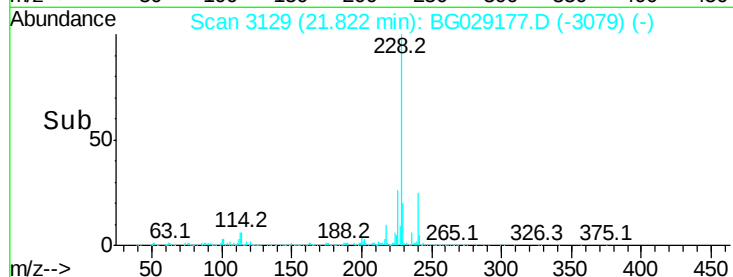
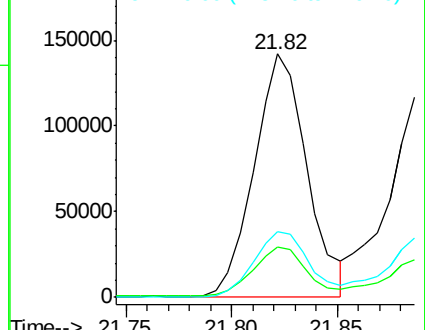
226 26.9 21.6 32.4



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



#22

Chrysene

Concen: 11.168 ng/ul

RT: 21.89 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

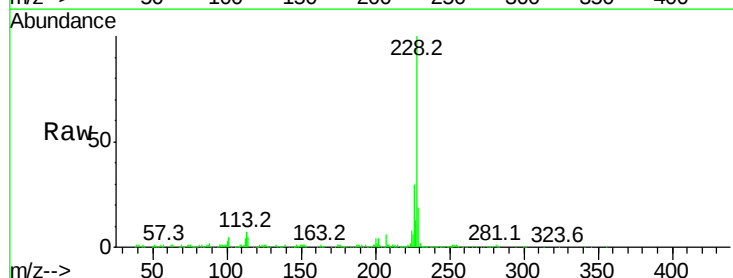
Tgt Ion:228 Resp: 232135

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.0
229	19.0	15.7	23.5

228 100

226 29.6 23.4 35.0

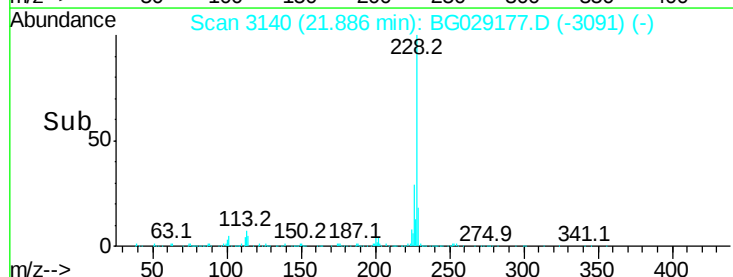
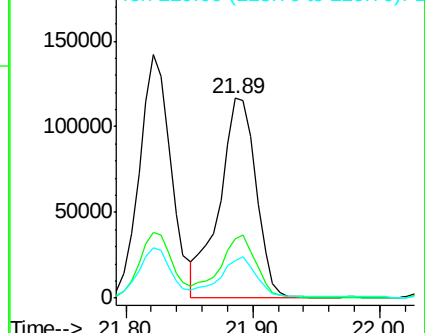
229 19.0 15.7 23.5

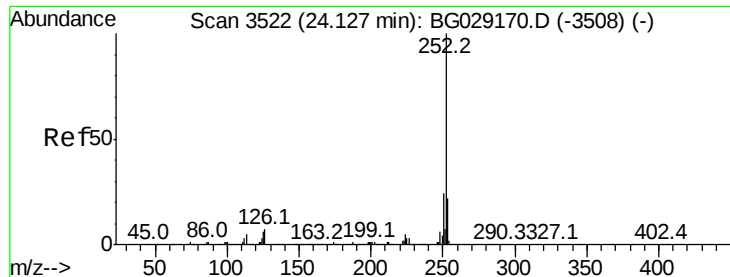


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 13.112 ng/ul

RT: 24.12 min Scan# 3521

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

BNA_G

ClientSampleId :

CB3G9

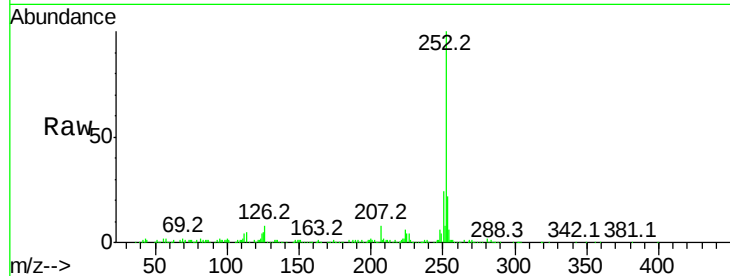
Tot Ion:252 Resp: 314913

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

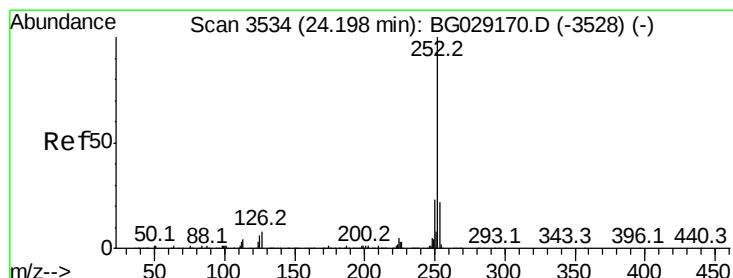
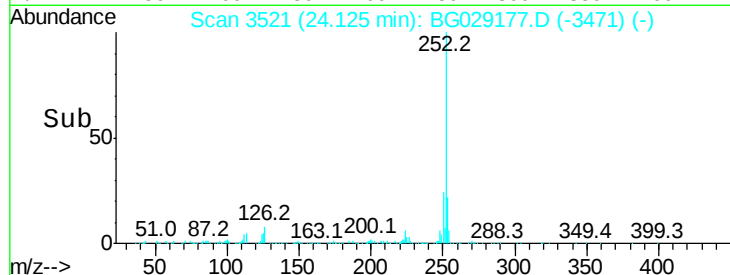
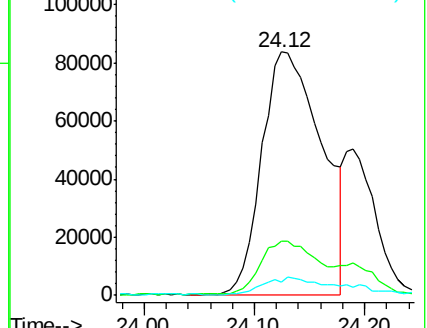
125 5.3 4.5 6.7



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



#25

Benzo(k)fluoranthene

Concen: 4.170 ng/ul

RT: 24.19 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

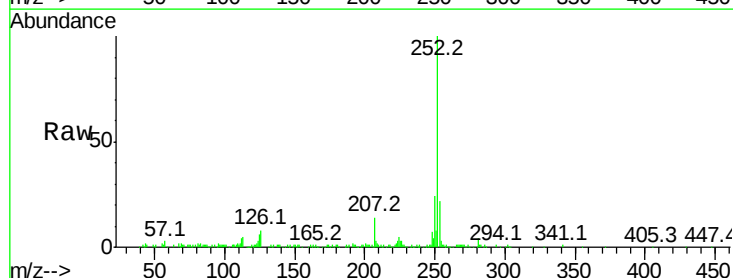
Tgt Ion:252 Resp: 98653

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

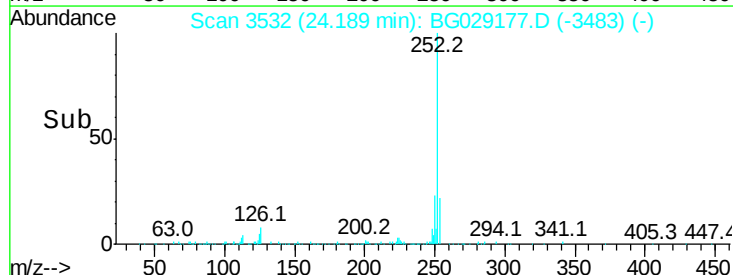
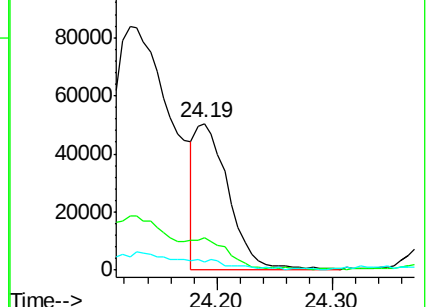
125 5.9 5.1 7.7

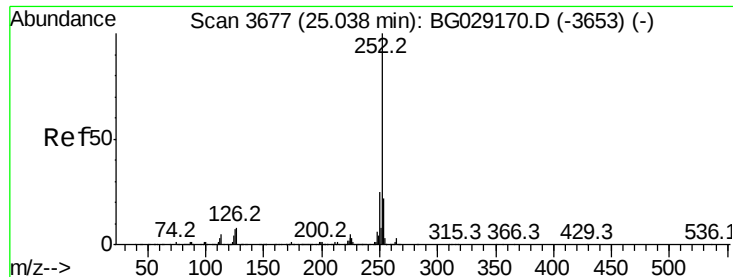


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 8.525 ng/ul

RT: 25.04 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

BNA_G

ClientSampleId :

CB3G9

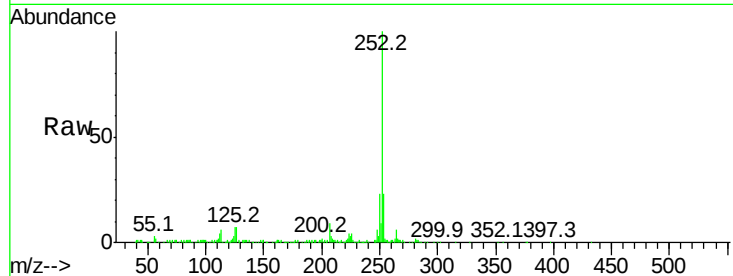
Tot Ion:252 Resp: 199834

Ion Ratio Lower Upper

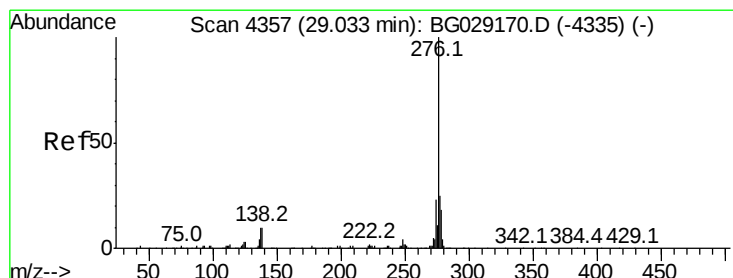
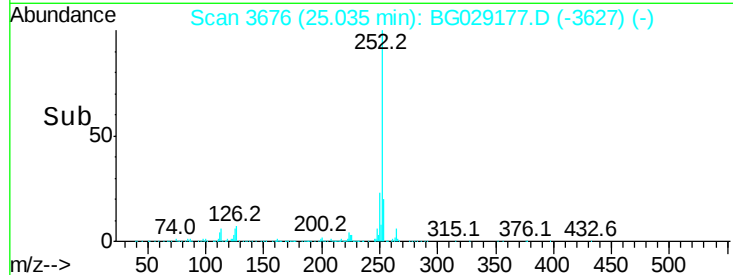
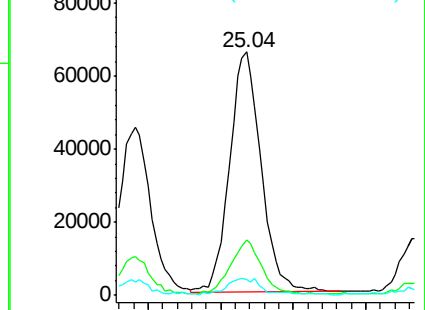
252 100

253 22.6 17.6 26.4

125 6.6 5.4 8.2



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.764 ng/ul

RT: 29.02 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

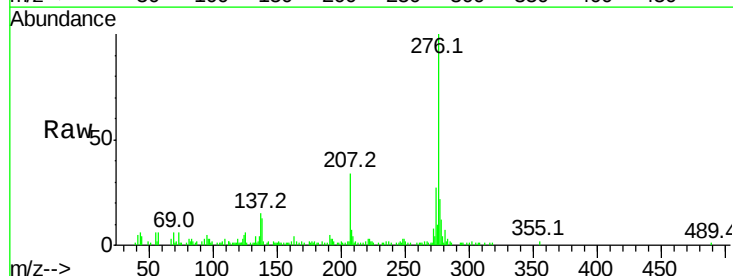
Tgt Ion:276 Resp: 106436

Ion Ratio Lower Upper

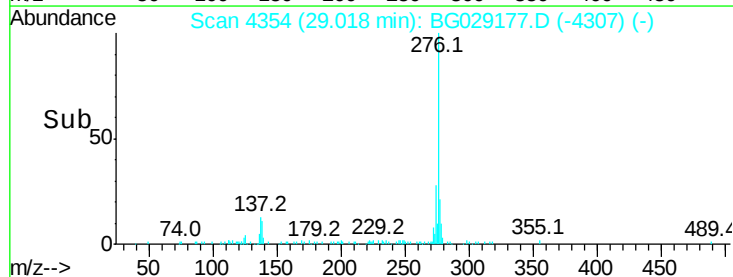
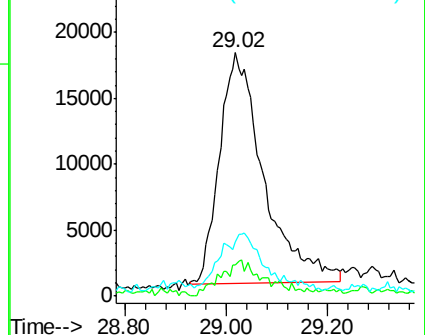
276 100

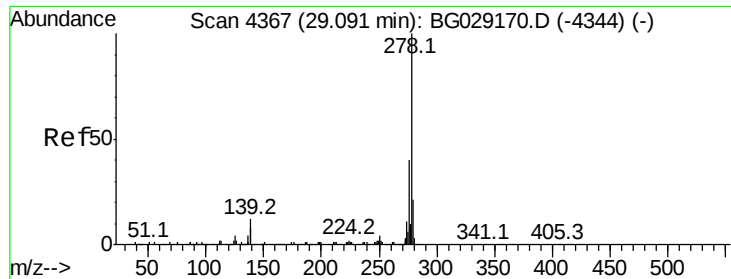
138 12.8 9.5 14.3

277 22.1 18.1 27.1



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

Dibenzo(a,h)anthracene

Concen: 1.384 ng/ul

RT: 29.06 min Scan# 4362

Delta R.T. -0.03 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Instrument :

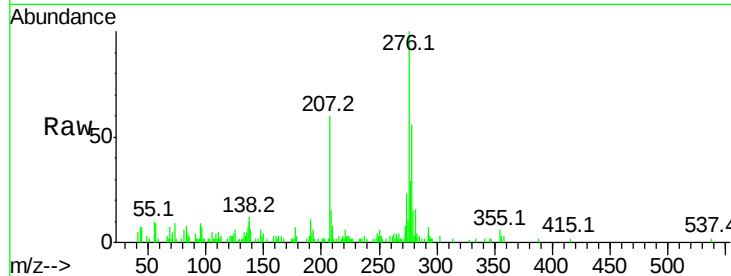
BNA_G

ClientSampleId :

CB3G9

Tot Ion:278 Resp: 27445

Ion	Ratio	Lower	Upper
278	100		
139	11.4	8.3	12.5
279	25.9	17.1	25.7#

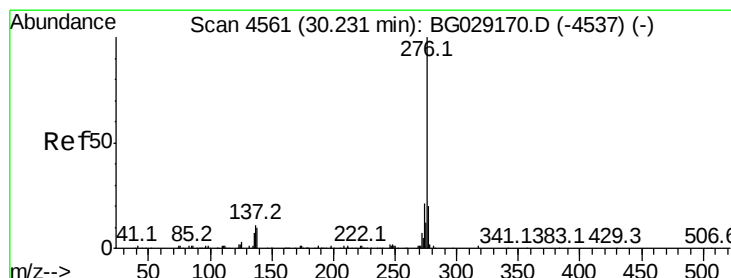
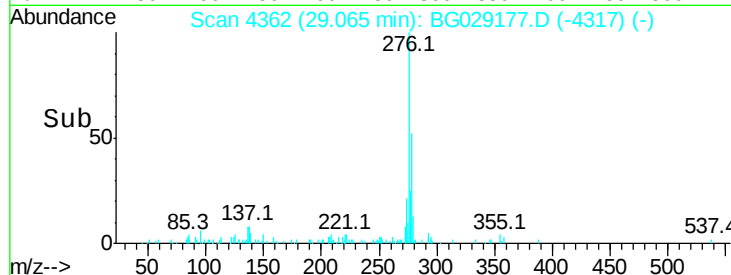
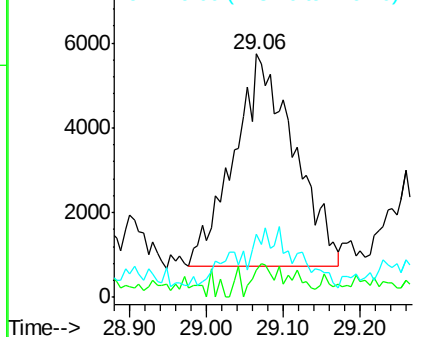


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 4.794 ng/ul

RT: 30.21 min Scan# 4557

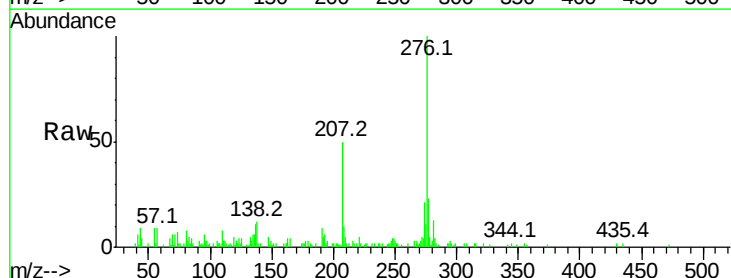
Delta R.T. -0.03 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

Tgt Ion:276 Resp: 74685

Ion	Ratio	Lower	Upper
276	100		
138	11.7	9.3	13.9
277	22.6	17.9	26.9



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

