

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 :

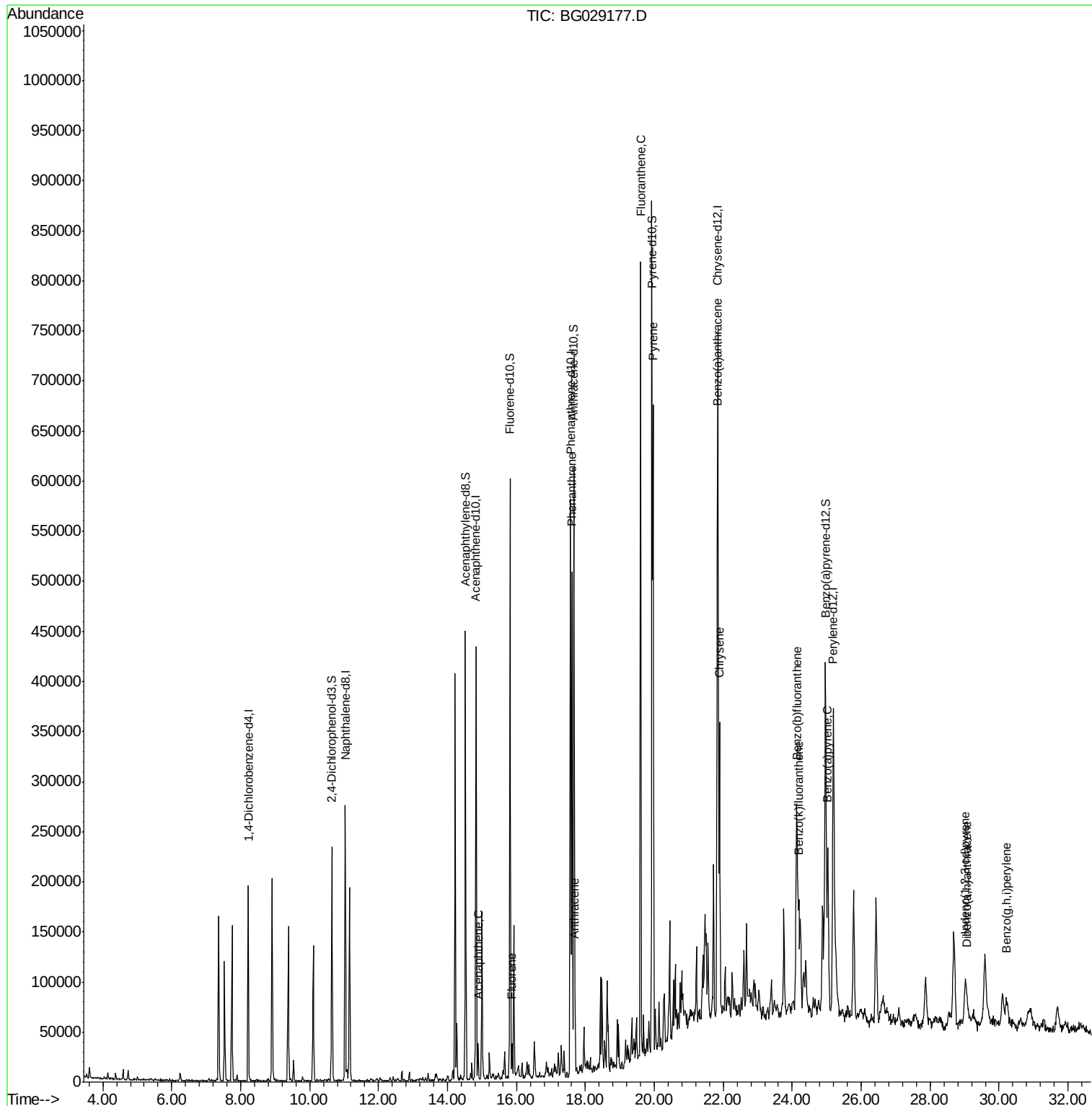
Quant Time: Oct 12 08:53:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:24:22 2017
 Response via : Initial Calibration

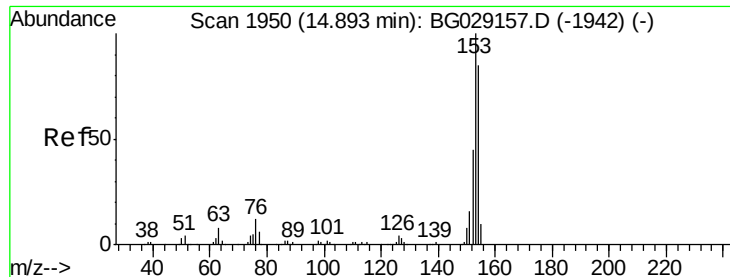
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	52212	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	228611	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	151924	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	353096	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	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	1.55	ng/ul	98
11) Fluorene	15.87	166	16353	1.39	ng/ul	96
14) Phenanthrene	17.60	178	310712	16.25	ng/ul	98
16) Anthracene	17.69	178	59407	3.03	ng/ul	95
17) Fluoranthene	19.60	202	505616	22.47	ng/ul	99
20) Pyrene	19.96	202	426714	18.62	ng/ul	99
21) Benzo(a)anthracene	21.82	228	244877	10.63	ng/ul	99
22) Chrysene	21.89	228	232135	11.17	ng/ul	99
24) Benzo(b)fluoranthene	24.12	252	314913	13.11	ng/ul	100
25) Benzo(k)fluoranthene	24.19	252	98653	4.17	ng/ul	97
27) Benzo(a)pyrene	25.04	252	199834	8.53	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	29.02	276	106436	4.76	ng/ul	99
29) Dibenzo(a,h)anthracene	29.06	278	27445	1.38	ng/ul#	93
30) Benzo(a,h,i)perylene	30.21	276	74685	4.79	ng/ul	100

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

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QLast Update : Wed Oct 11 04:24:22 2017
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#9

Acenaphthene

Concen: 1.55 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 :

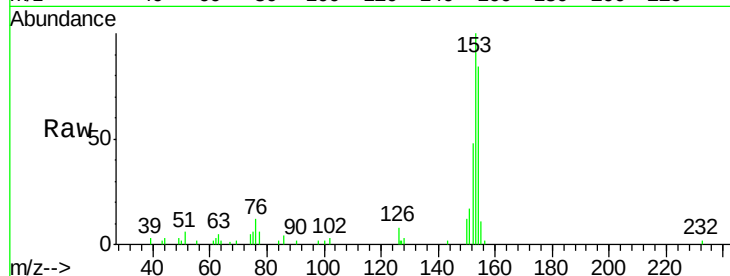
Tot Ion:153 Resp: 15899

Ion Ratio Lower Upper

153 100

152 47.6 36.2 54.4

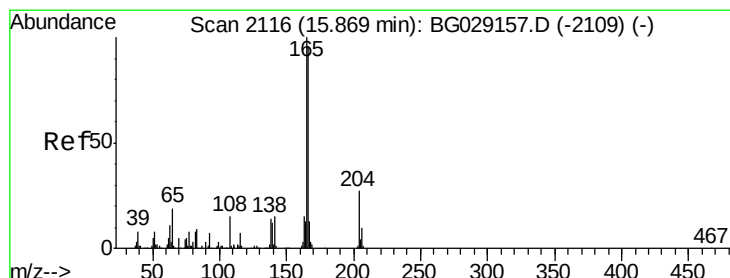
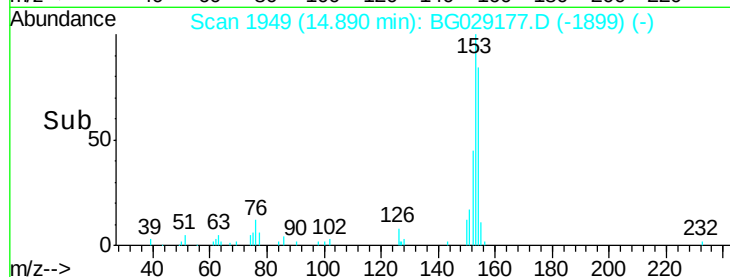
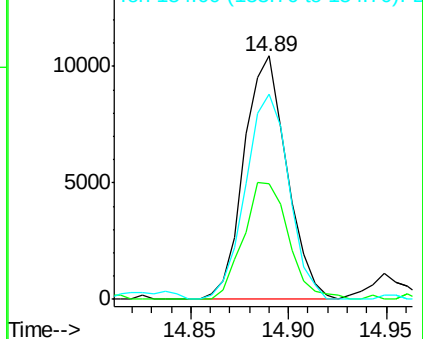
154 84.3 68.4 102.6



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: 1.39 ng/ul

RT: 15.87 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

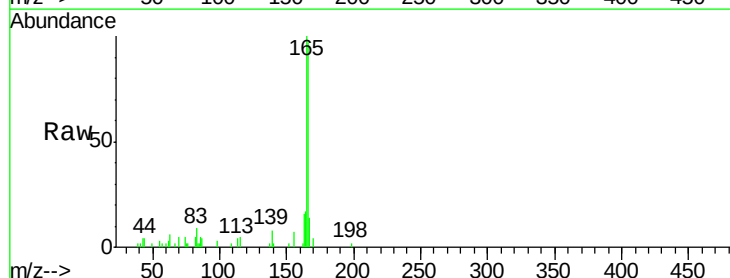
Tgt Ion:166 Resp: 16353

Ion Ratio Lower Upper

166 100

165 102.8 79.4 119.0

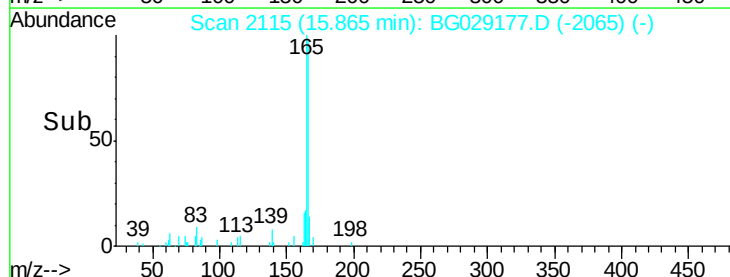
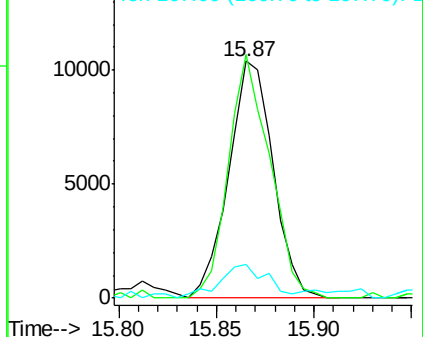
167 14.2 10.2 15.4

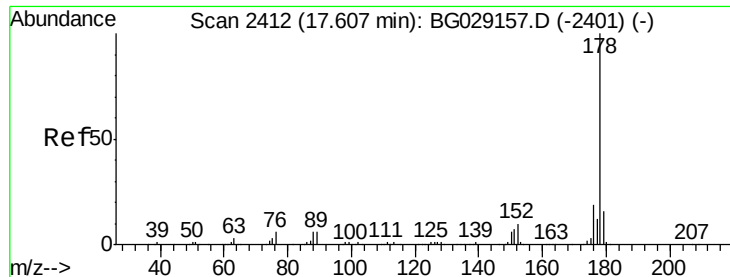


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

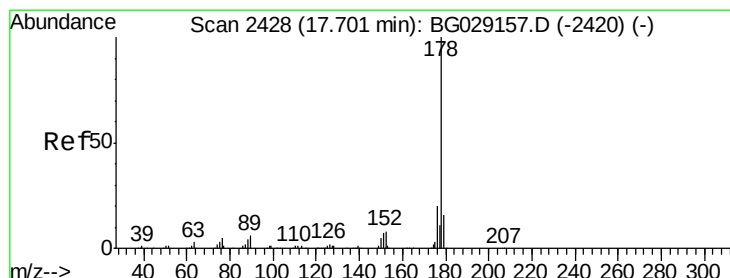
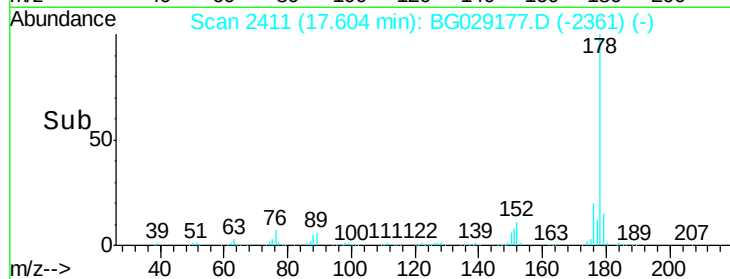
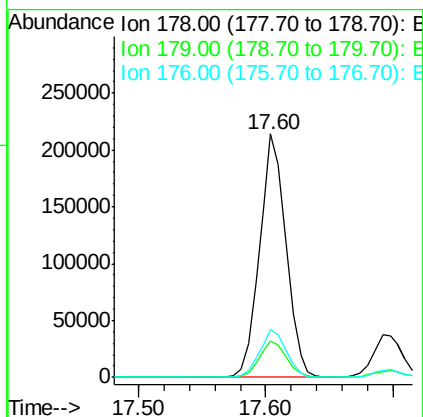
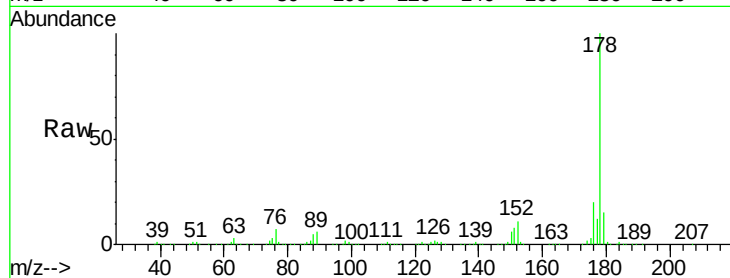




#14
Phenanthrene
Concen: 16.25 ng/ul
RT: 17.60 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BG029177.D
Acq: 11 Oct 2017 22:40

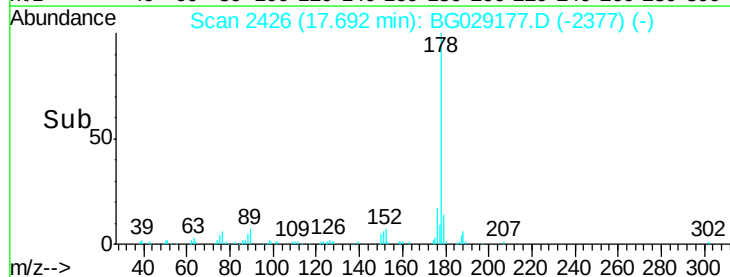
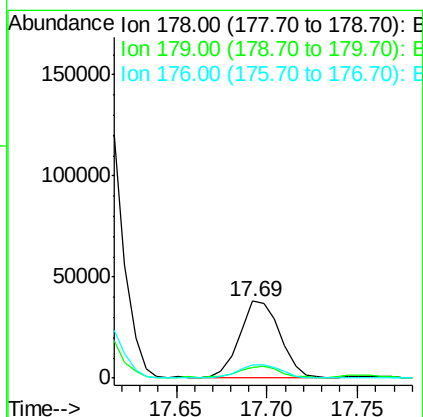
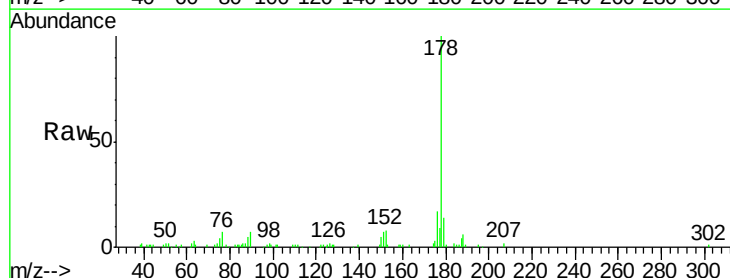
Instrument :
BNA_G
ClientSampleId :

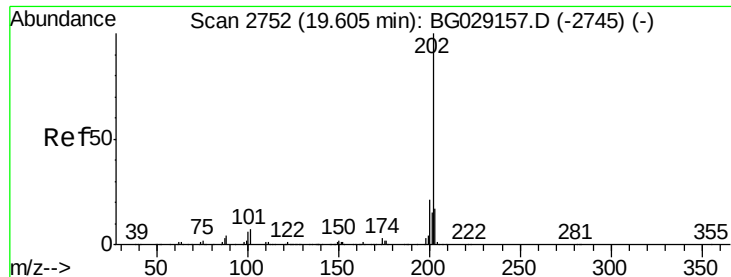
Tot Ion:178 Resp: 310712
Ion Ratio Lower Upper
178 100
179 14.9 12.2 18.2
176 19.8 15.0 22.6



#16
Anthracene
Concen: 3.03 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

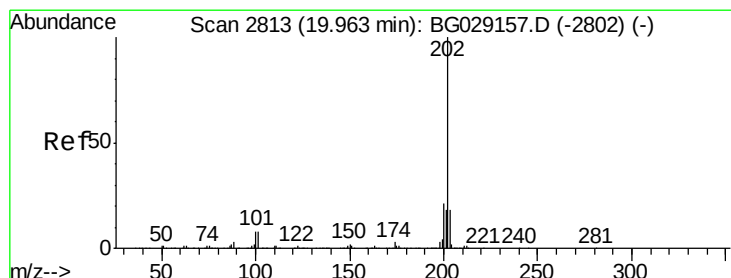
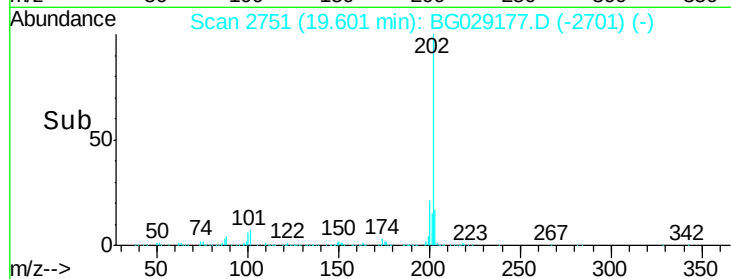
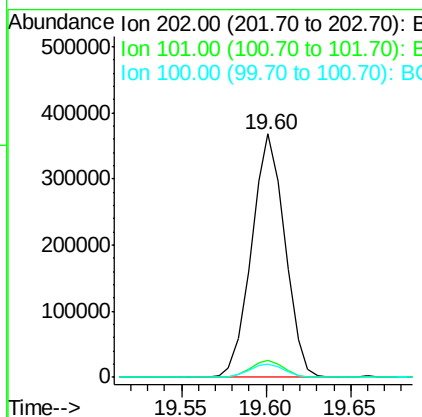
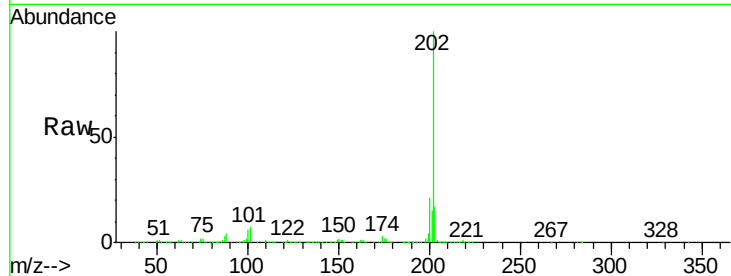




#17
 Fluoranthene
 Concen: 22.47 ng/ul
 RT: 19.60 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BG029177.D
 Acq: 11 Oct 2017 22:40

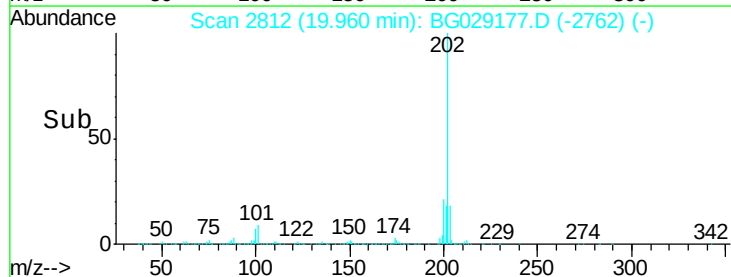
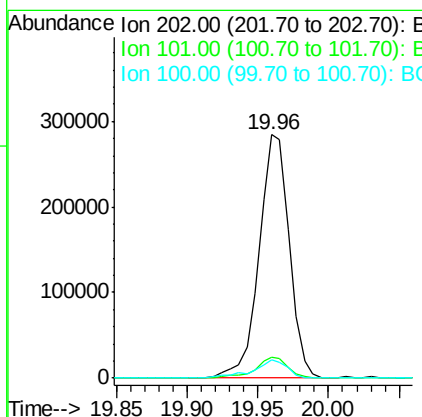
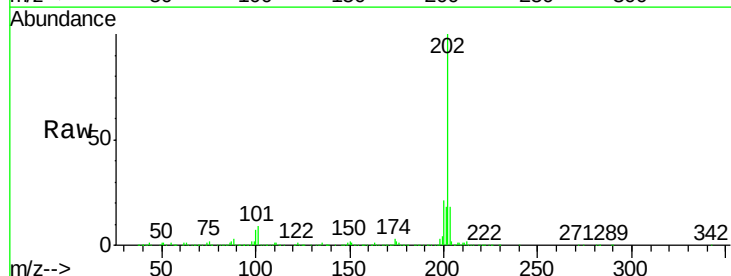
Instrument :
 BNA_G
 ClientSampleId :

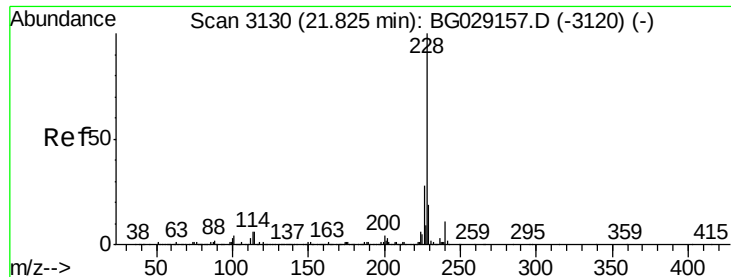
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.6	8.4
100	5.6	4.7	7.1



#20
 Pyrene
 Concen: 18.62 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	Ratio	Lower	Upper
202	100		
101	8.5	6.5	9.7
100	7.4	5.5	8.3





#21

Benzo(a)anthracene

Concen: 10.63 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 :

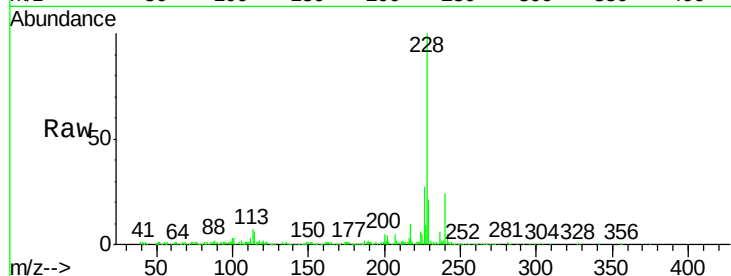
Tot Ion:228 Resp: 244877

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

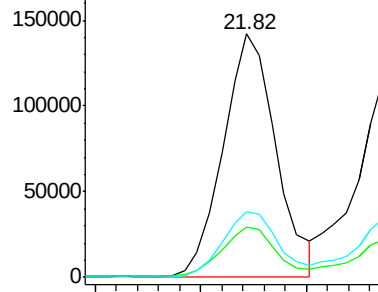
226 26.9 21.6 32.4



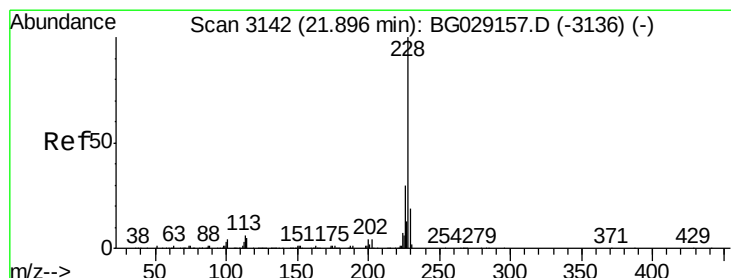
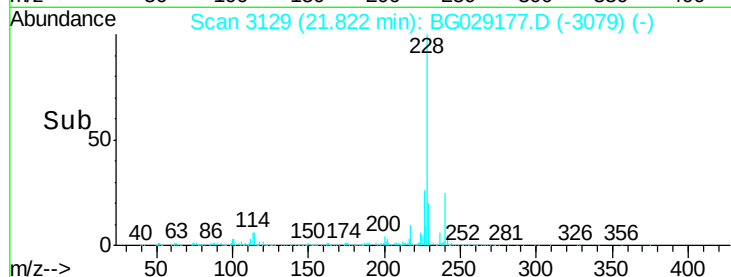
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time--> 21.75 21.80 21.85



#22

Chrysene

Concen: 11.17 ng/ul

RT: 21.89 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

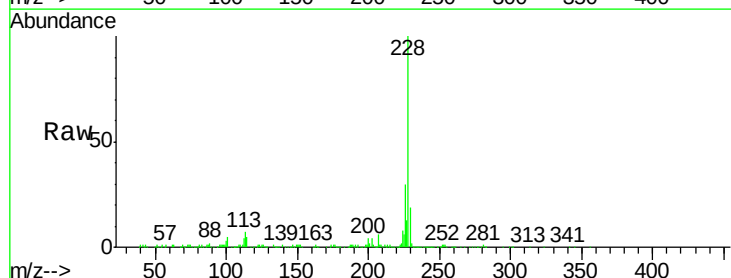
Tgt Ion:228 Resp: 232135

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

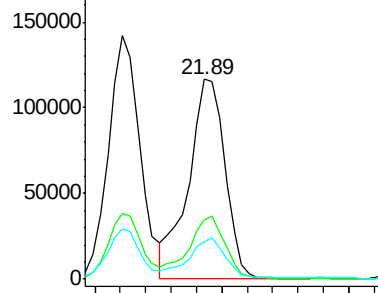
229 19.0 15.7 23.5



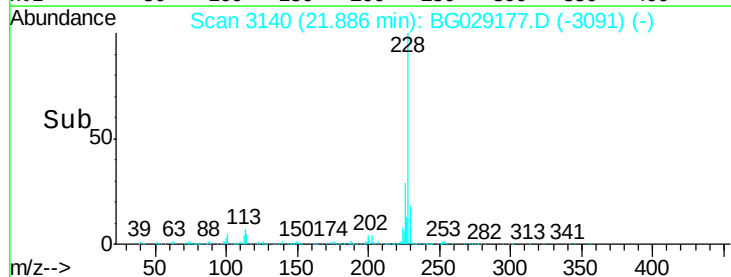
Abundance Ion 228.00 (227.70 to 228.70): E

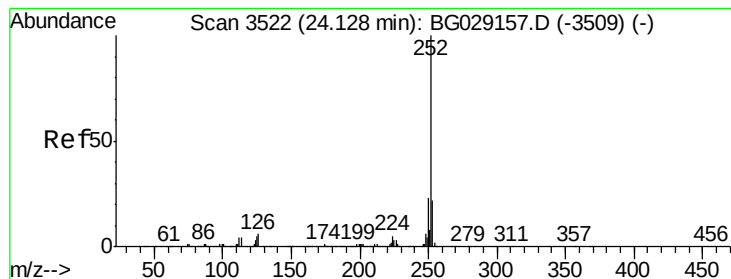
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.80 21.90 22.00





#24

Benzo(b)fluoranthene

Concen: 13.11 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 :

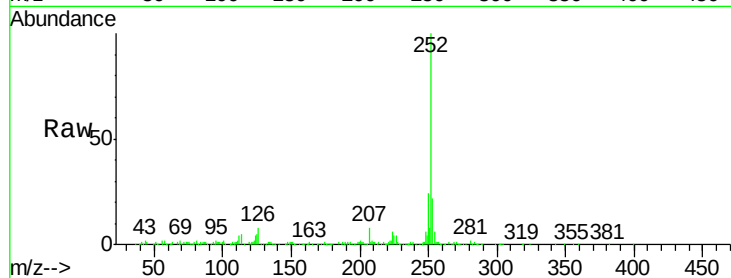
Tot Ion:252 Resp: 314913

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

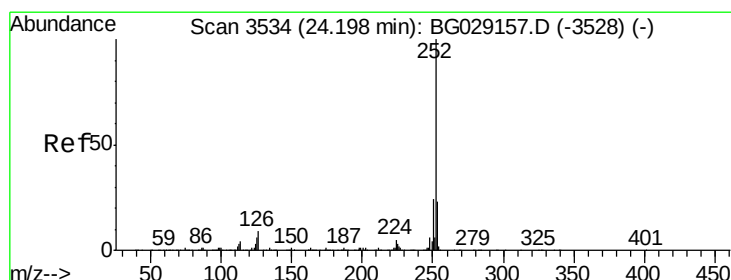
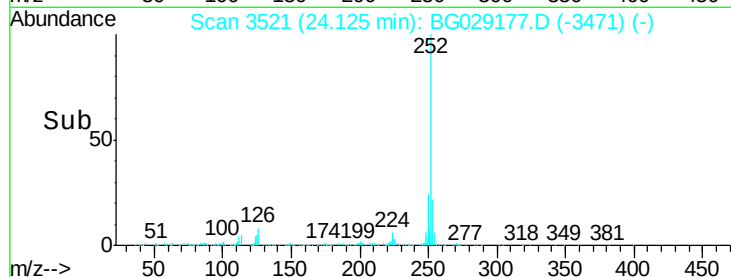
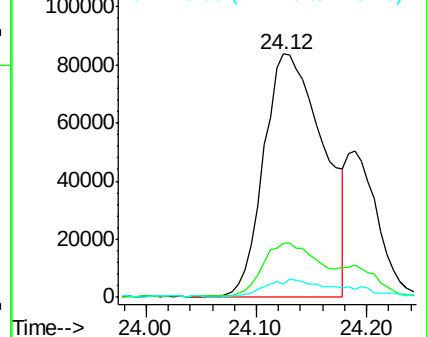
125 5.3 4.5 6.7



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: 4.17 ng/ul

RT: 24.19 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

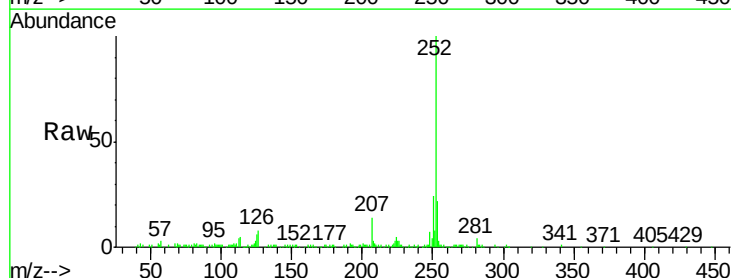
Tgt Ion:252 Resp: 98653

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

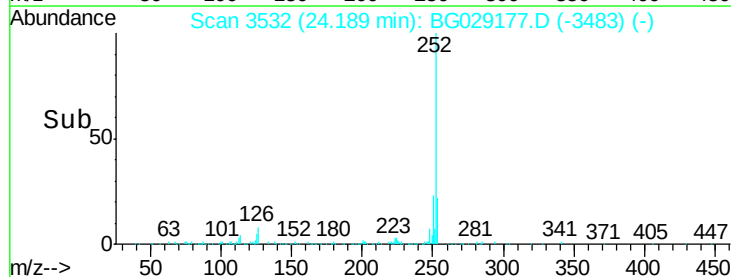
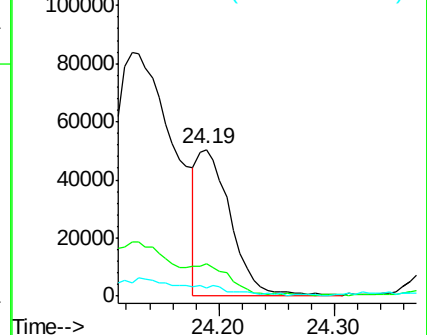
125 5.9 5.1 7.7

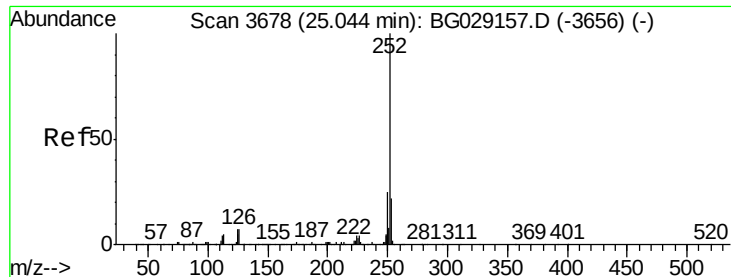


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 8.53 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 :

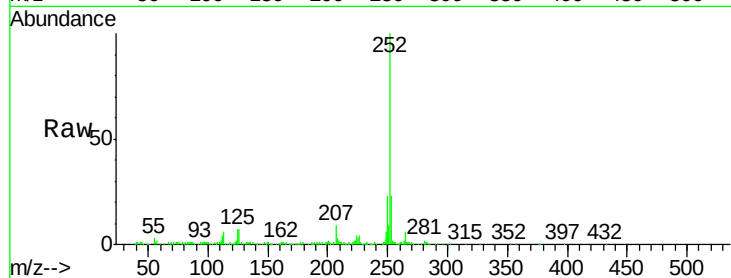
Tot Ion:252 Resp: 199834

Ion Ratio Lower Upper

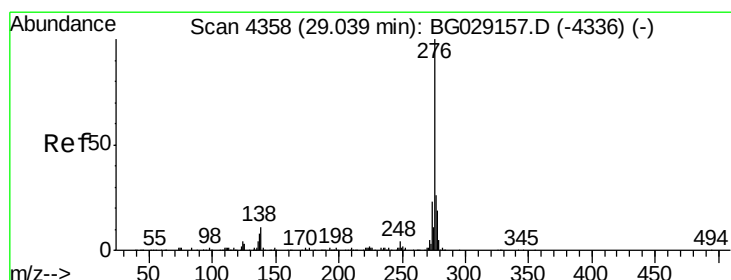
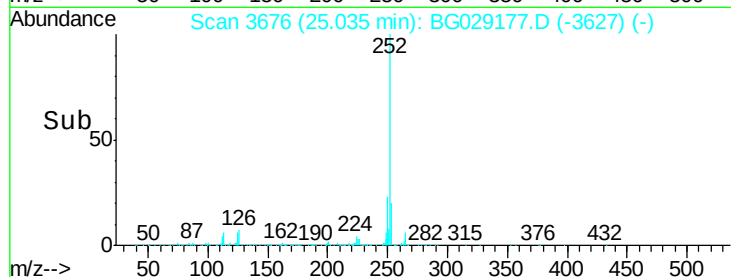
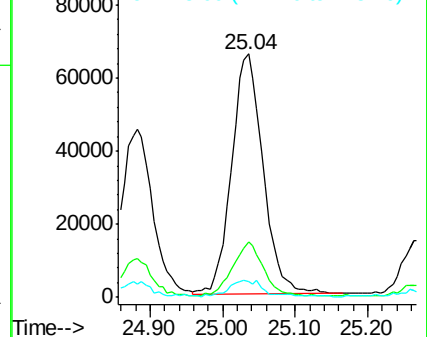
252 100

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: 4.76 ng/ul

RT: 29.02 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

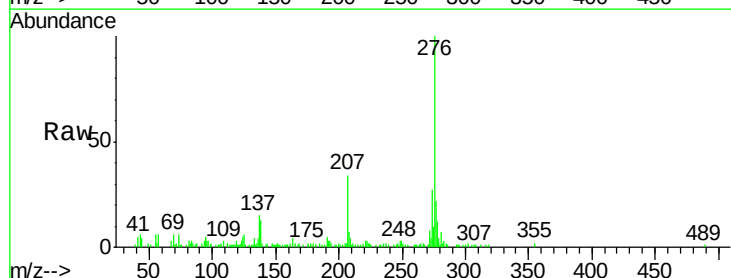
Tgt Ion:276 Resp: 106436

Ion Ratio Lower Upper

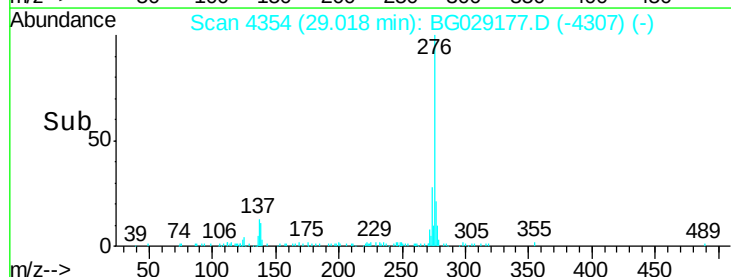
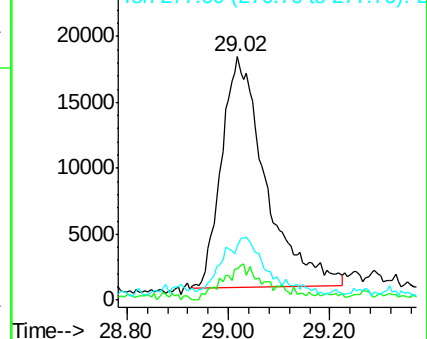
276 100

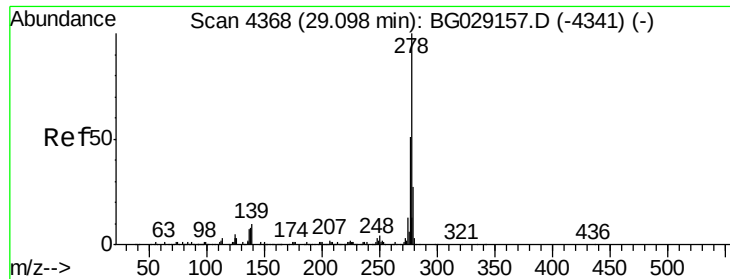
138 12.8 9.5 14.3

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: 1.38 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 :

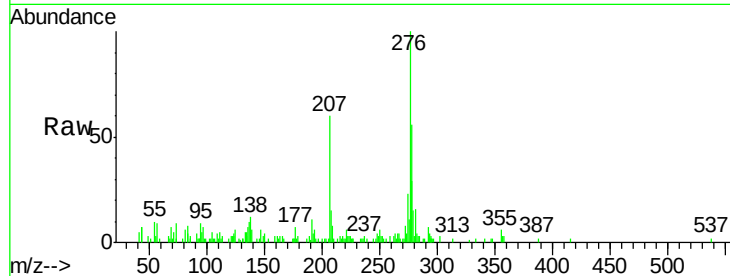
Tot Ion:278 Resp: 27445

Ion Ratio Lower Upper

278 100

139 11.4 8.3 12.5

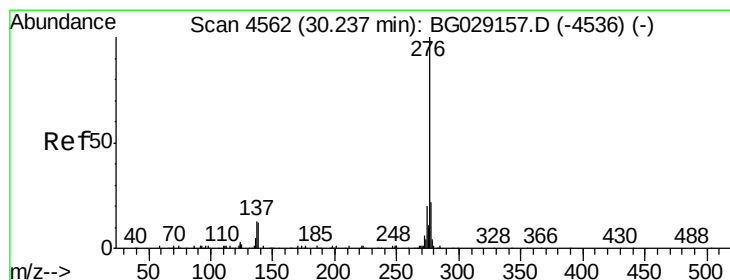
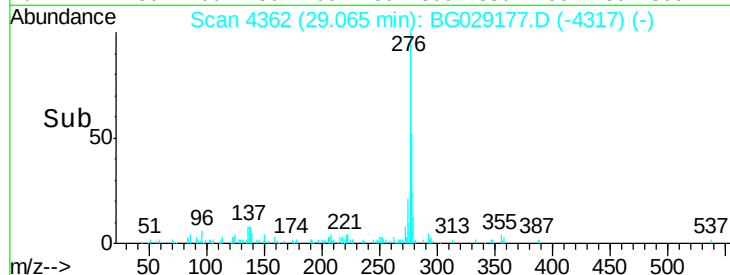
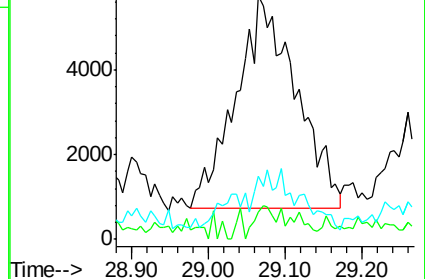
279 25.9 17.1 25.7#



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: 4.79 ng/ul

RT: 30.21 min Scan# 4557

Delta R.T. -0.03 min

Lab File: BG029177.D

Acq: 11 Oct 2017 22:40

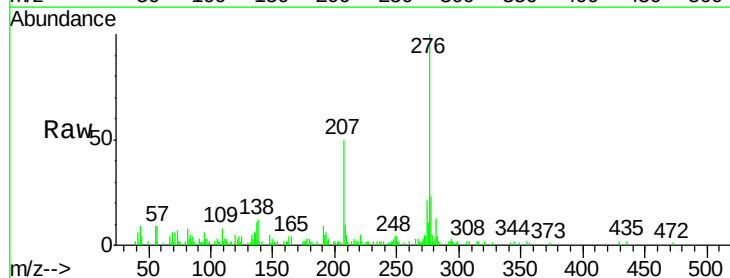
Tgt Ion:276 Resp: 74685

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

