

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\  
 Data File : BG029136.D  
 Acq On : 10 Oct 2017 11:46  
 Operator : SJ/JU  
 Sample : I5577-03MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DAH76MS

Quant Time: Oct 11 04:16:06 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 11 04:15:46 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 48898    | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.03 | 136  | 205262   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.83 | 164  | 136985   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.57 | 188  | 311136   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.84 | 240  | 328383   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 25.20 | 264  | 338160   | 20.00 | ng/ul | 0.00     |

|                             |       |     |        |       |       |      |
|-----------------------------|-------|-----|--------|-------|-------|------|
| System Monitoring Compounds |       |     |        |       |       |      |
| 7) Acenaphthylene-d8        | 14.52 | 160 | 302725 | 21.25 | ng/ul | 0.00 |
| 10) Fluorene-d10            | 15.82 | 176 | 247927 | 23.99 | ng/ul | 0.00 |
| 14) Anthracene-d10          | 17.67 | 188 | 356831 | 23.68 | ng/ul | 0.00 |
| 18) Pyrene-d10              | 19.93 | 212 | 406336 | 24.19 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12      | 24.96 | 264 | 376282 | 23.23 | ng/ul | 0.00 |

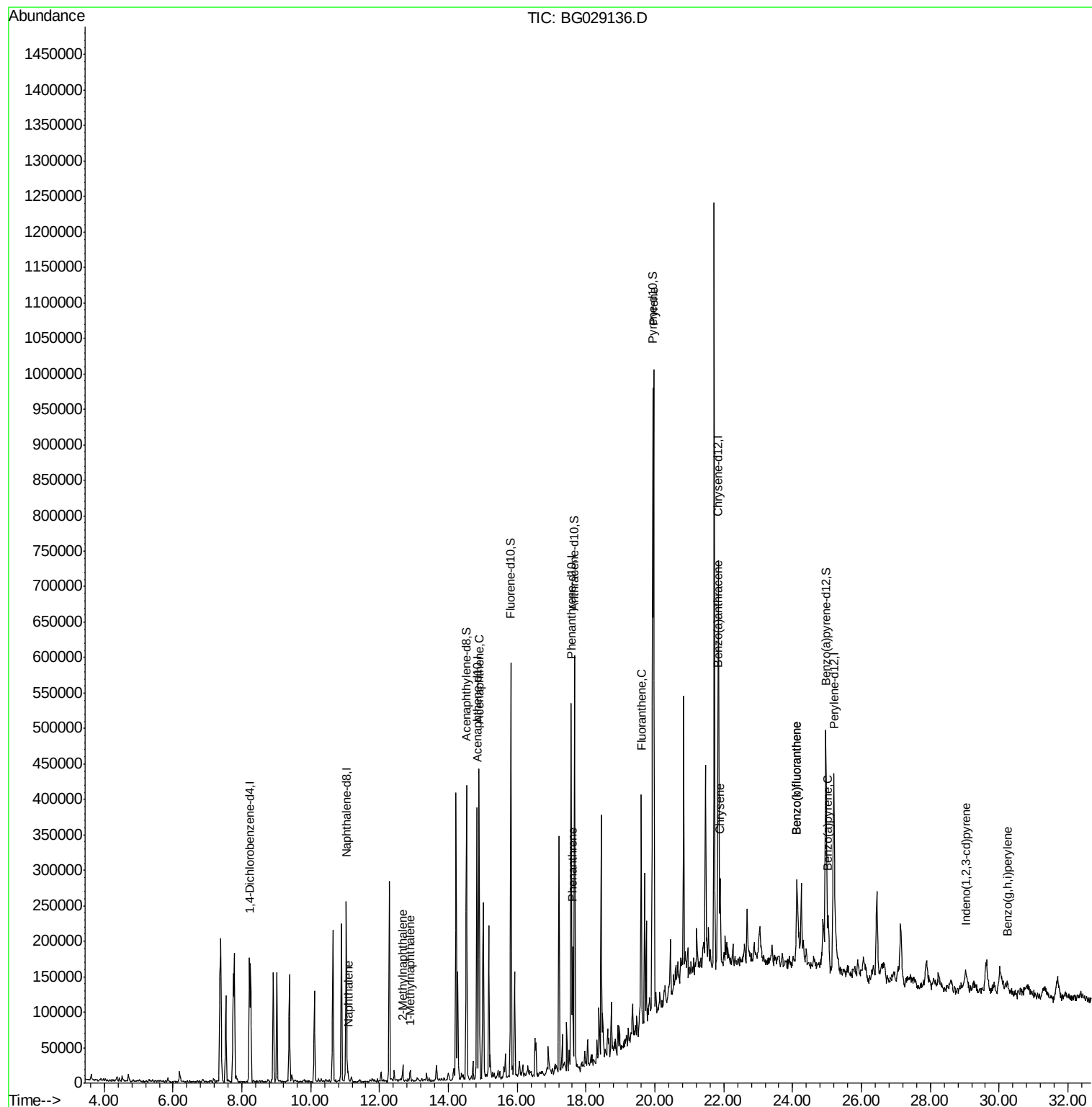
|                            |       |     |        |        |        |     |
|----------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds           |       |     |        | Ovalue |        |     |
| 3) Naphthalene             | 11.08 | 128 | 12154  | 1.137  | ng/ul# | 87  |
| 4) 2-Methylnaphthalene     | 12.67 | 142 | 10482  | 1.292  | ng/ul  | 92  |
| 5) 1-Methylnaphthalene     | 12.89 | 142 | 7865   | 1.016  | ng/ul# | 94  |
| 9) Acenaphthene            | 14.89 | 153 | 197733 | 21.182 | ng/ul  | 95  |
| 13) Phenanthrene           | 17.61 | 178 | 111722 | 6.732  | ng/ul  | 100 |
| 16) Fluoranthene           | 19.60 | 202 | 190538 | 9.794  | ng/ul# | 89  |
| 19) Pyrene                 | 19.96 | 202 | 567037 | 27.701 | ng/ul# | 90  |
| 20) Benzo(a)anthracene     | 21.82 | 228 | 91653  | 4.739  | ng/ul  | 94  |
| 21) Chrysene               | 21.89 | 228 | 100217 | 5.659  | ng/ul  | 99  |
| 23) Benzo(b)fluoranthene   | 24.12 | 252 | 152128 | 7.520  | ng/ul  | 97  |
| 24) Benzo(k)fluoranthene   | 24.12 | 252 | 146546 | 7.422  | ng/ul# | 97  |
| 26) Benzo(a)pyrene         | 25.03 | 252 | 85076  | 4.330  | ng/ul  | 99  |
| 27) Indeno(1,2,3-cd)pyrene | 29.03 | 276 | 60735  | 2.723  | ng/ul# | 90  |
| 29) Benzo(a,h,i)perylene   | 30.23 | 276 | 41970  | 2.282  | ng/ul# | 86  |

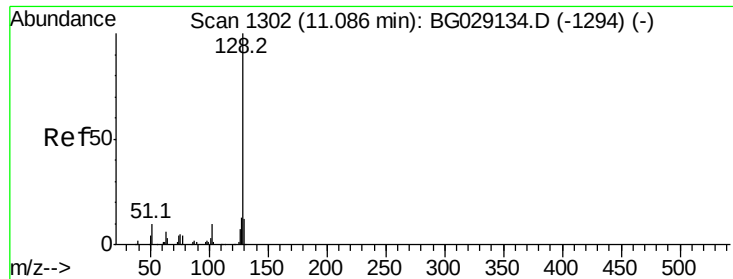
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 11 04:15:46 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.137 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

Instrument :

BNA\_G

ClientSampleId :

DAH76MS

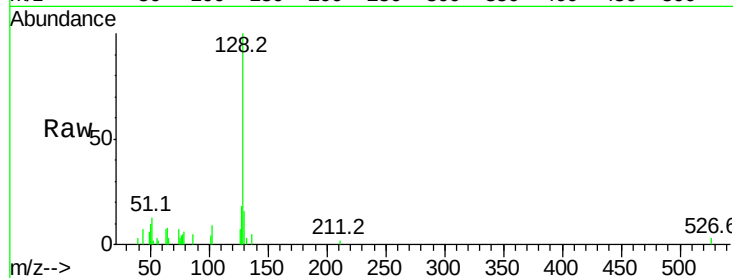
Tot Ion:128 Resp: 12154

Ion Ratio Lower Upper

128 100

129 16.2 8.7 13.1#

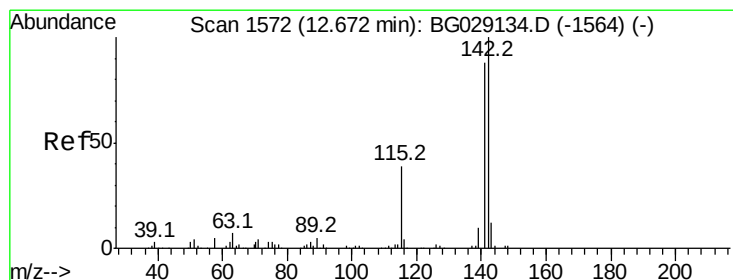
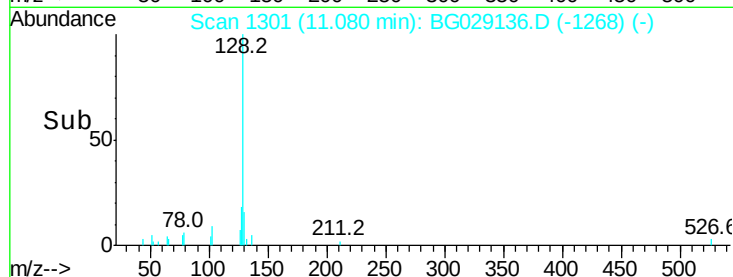
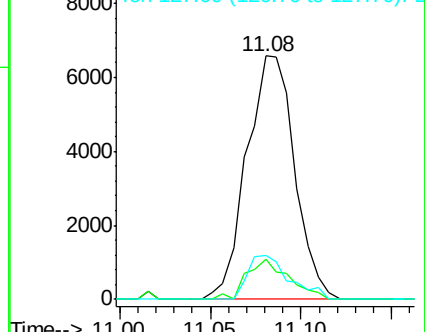
127 17.8 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 1.292 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BG029136.D

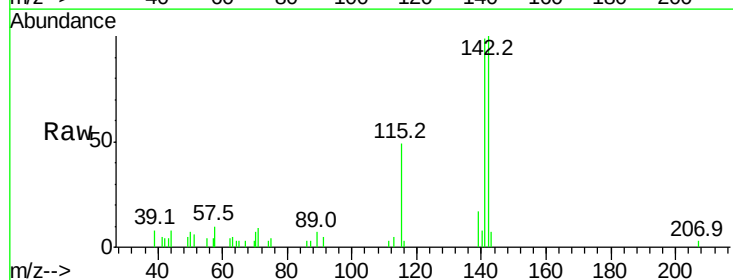
Acq: 10 Oct 2017 11:46

Tgt Ion:142 Resp: 10482

Ion Ratio Lower Upper

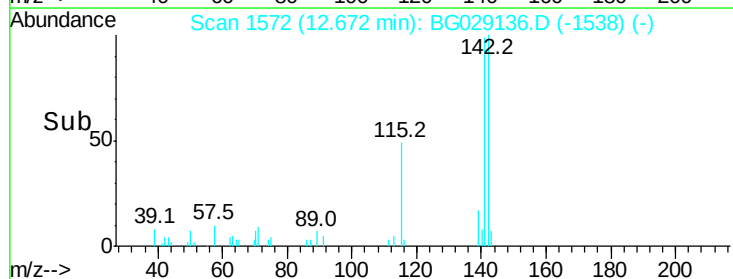
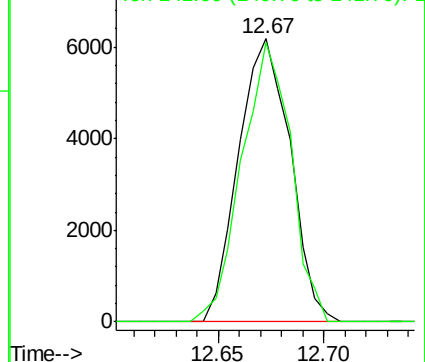
142 100

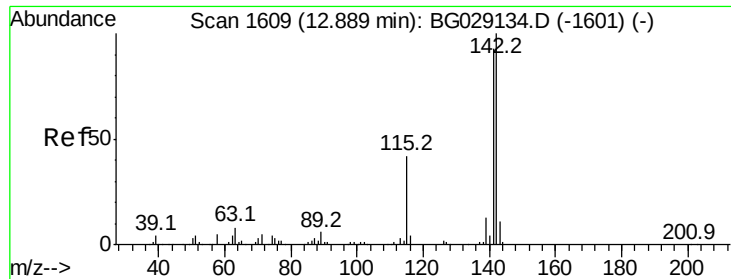
141 98.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.016 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

Instrument :

BNA\_G

ClientSampleId :

DAH76MS

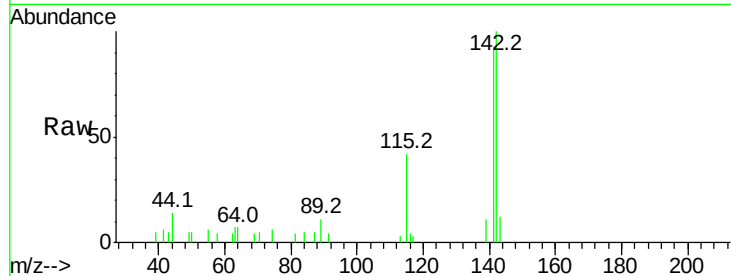
Tot Ion:142 Resp: 7865

Ion Ratio Lower Upper

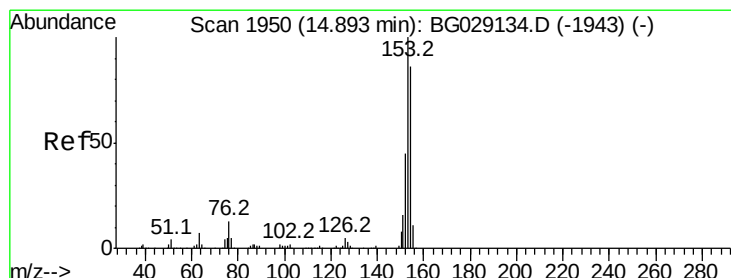
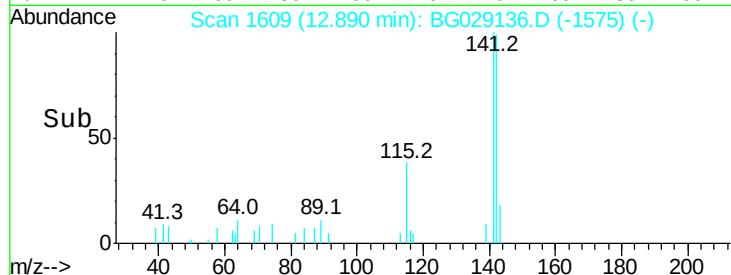
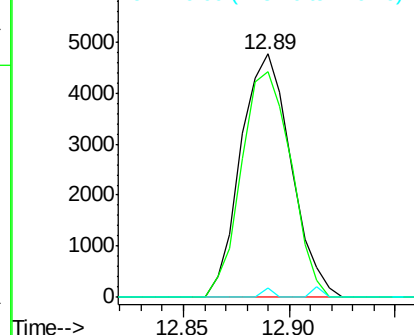
142 100

141 92.6 79.3 118.9

116 3.7 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E



#9

Acenaphthene

Concen: 21.182 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

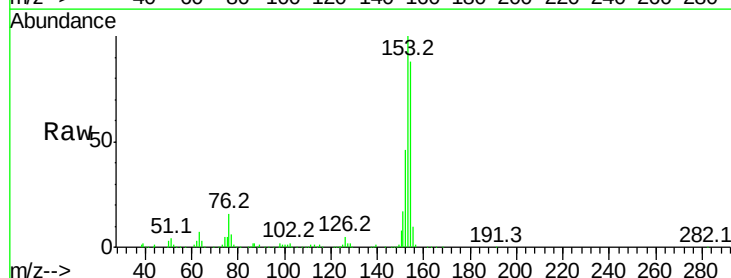
Tgt Ion:153 Resp: 197733

Ion Ratio Lower Upper

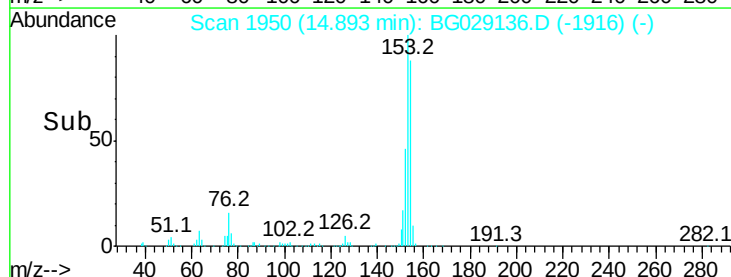
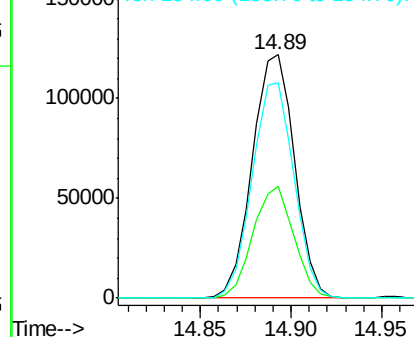
153 100

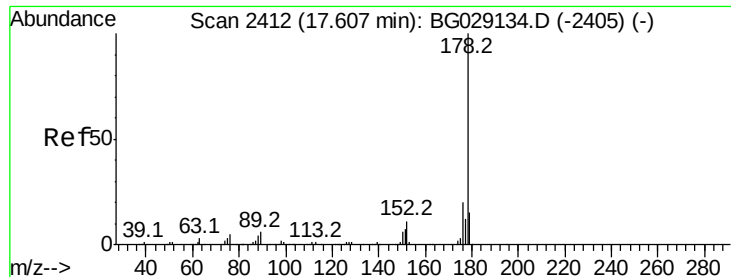
152 45.8 39.0 58.6

154 88.3 66.8 100.2



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



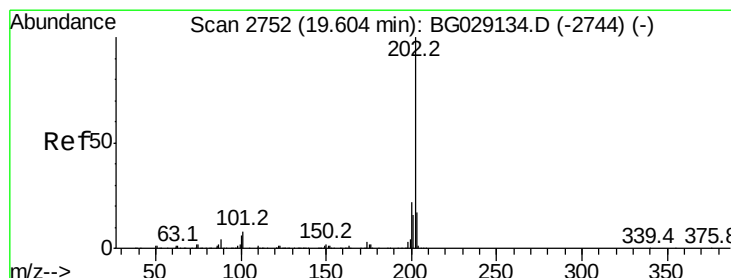
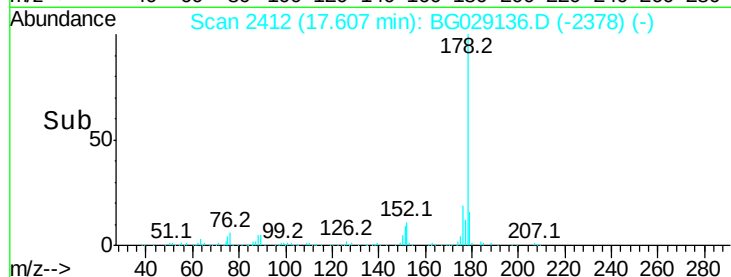
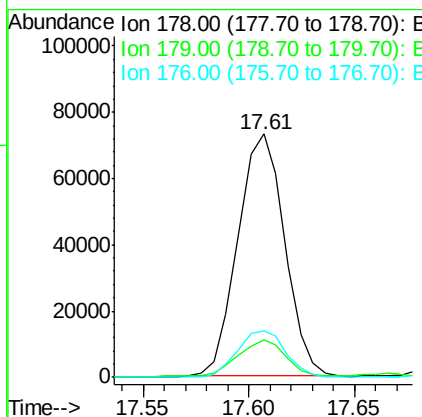
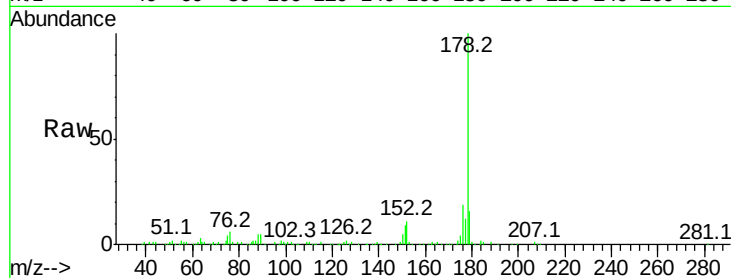


#13  
 Phenanthrene  
 Concen: 6.732 ng/ul  
 RT: 17.61 min Scan# 2412  
 Delta R.T. 0.00 min  
 Lab File: BG029136.D  
 Acq: 10 Oct 2017 11:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DAH76MS

Tot Ion:178 Resp: 111722  

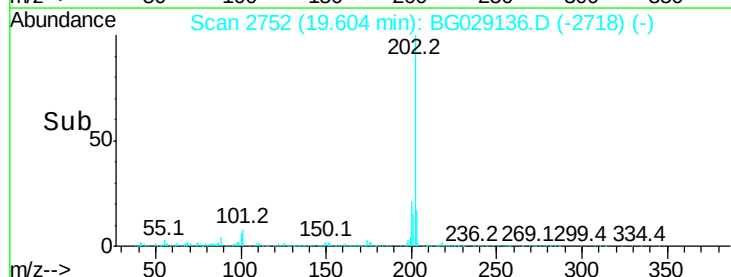
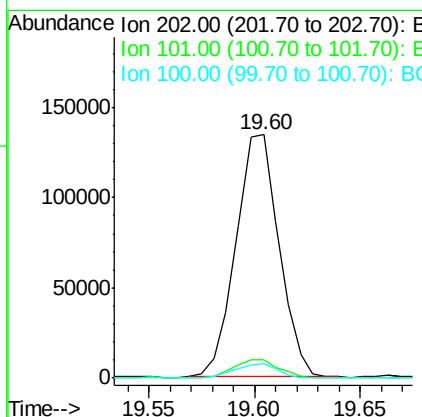
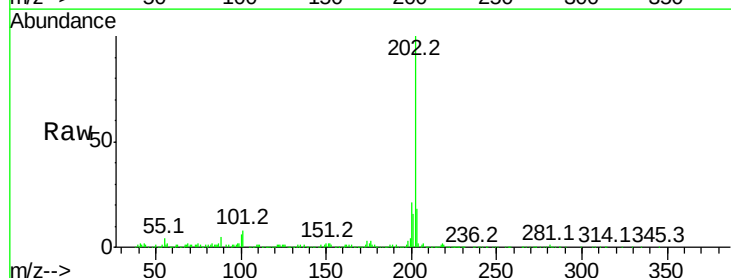
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.5  | 12.3  | 18.5  |
| 176 | 19.1  | 15.1  | 22.7  |

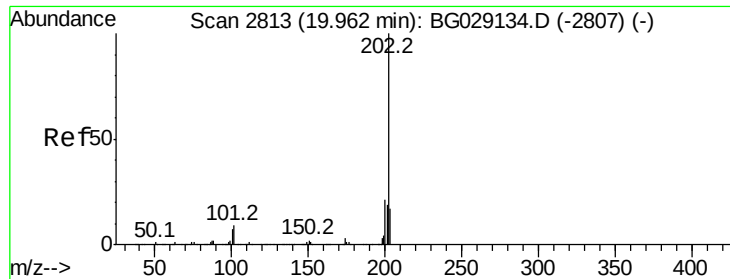


#16  
 Fluoranthene  
 Concen: 9.794 ng/ul  
 RT: 19.60 min Scan# 2752  
 Delta R.T. 0.00 min  
 Lab File: BG029136.D  
 Acq: 10 Oct 2017 11:46

Tgt Ion:202 Resp: 190538  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 7.5   | 9.9   | 14.9# |
| 100 | 5.9   | 7.4   | 11.0# |





#19

Pvrene

Concen: 27.701 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

Instrument :

BNA\_G

ClientSampleId :

DAH76MS

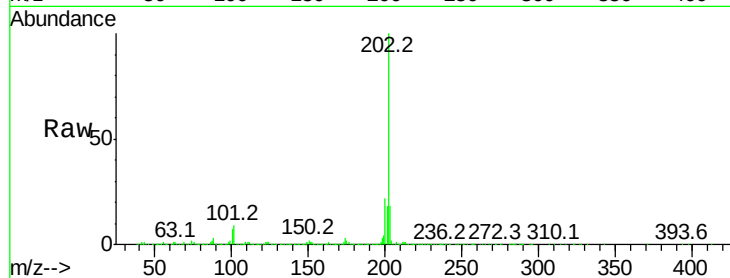
Tot Ion:202 Resp: 567037

Ion Ratio Lower Upper

202 100

101 8.7 11.0 16.4#

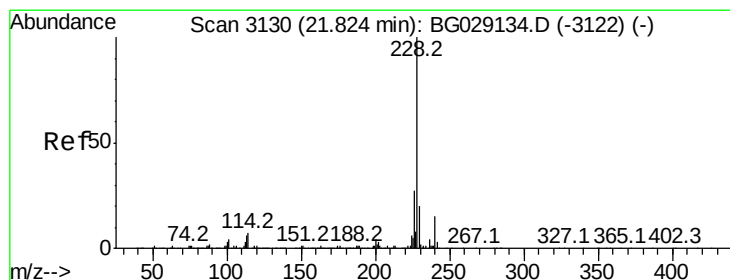
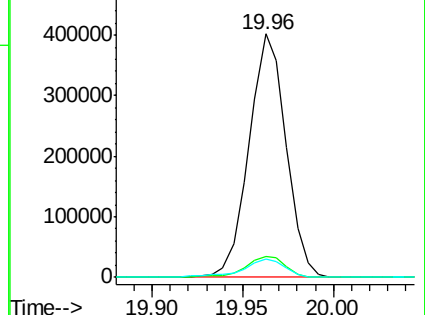
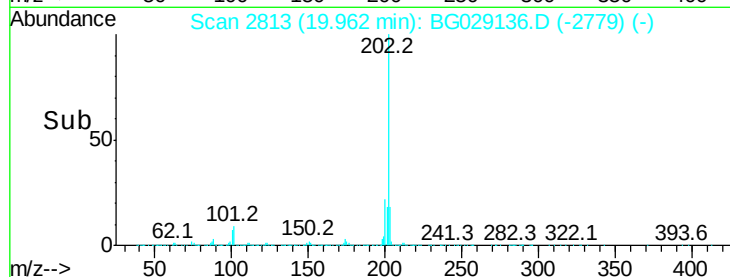
100 7.4 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 4.739 ng/ul

RT: 21.82 min Scan# 3130

Delta R.T. 0.00 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

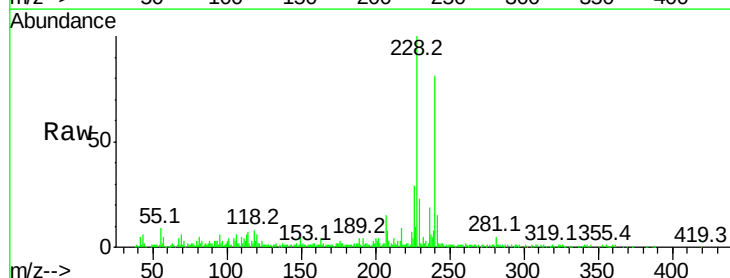
Tgt Ion:228 Resp: 91653

Ion Ratio Lower Upper

228 100

229 23.3 15.7 23.5

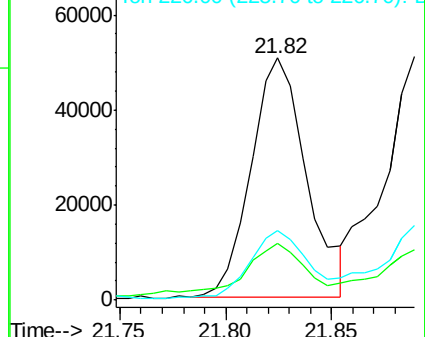
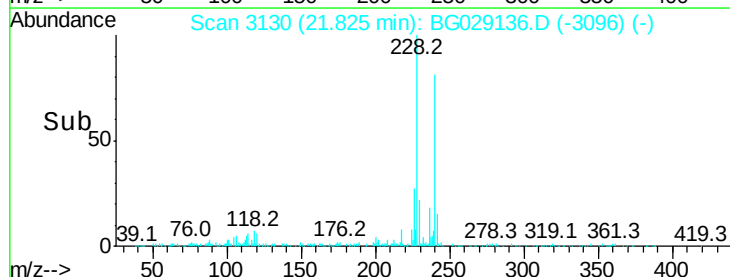
226 28.5 21.1 31.7

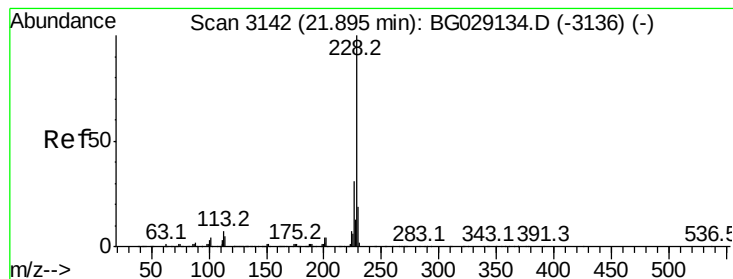


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 5.659 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

Instrument :

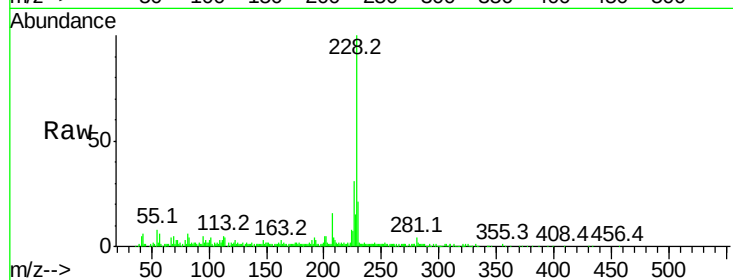
BNA\_G

ClientSampleId :

DAH76MS

Tot Ion:228 Resp: 100217

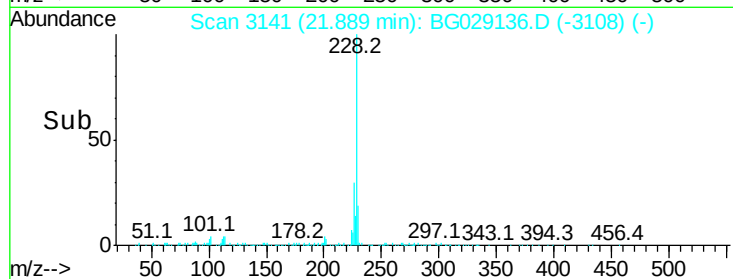
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.6  | 24.5  | 36.7  |
| 229 | 20.7  | 15.8  | 23.8  |



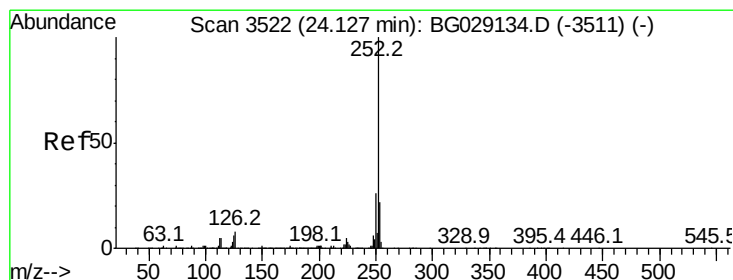
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#23

Benzo(b)fluoranthene

Concen: 7.520 ng/ul

RT: 24.12 min Scan# 3521

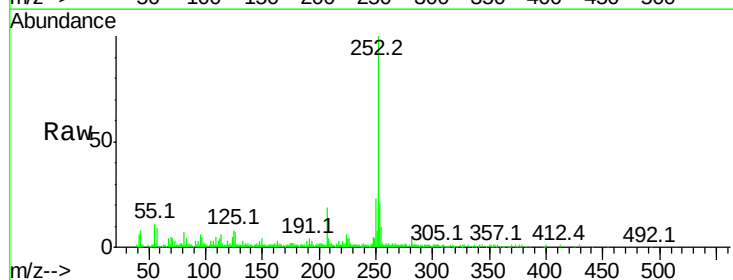
Delta R.T. -0.01 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

Tgt Ion:252 Resp: 152128

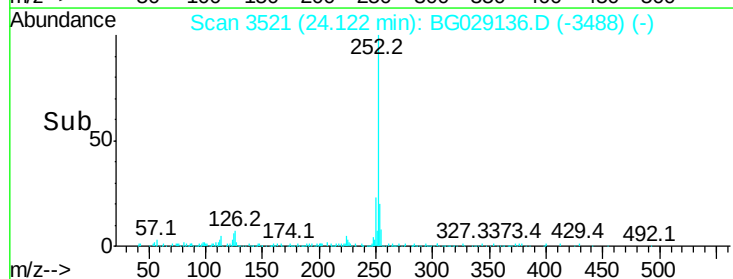
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.5  | 18.0  | 27.0  |
| 125 | 8.0   | 8.0   | 12.0  |



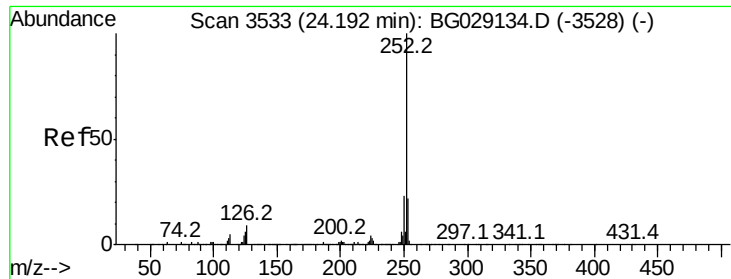
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 7.422 ng/ul

RT: 24.12 min Scan# 3521

Delta R.T. -0.07 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

Instrument :

BNA\_G

ClientSampleId :

DAH76MS

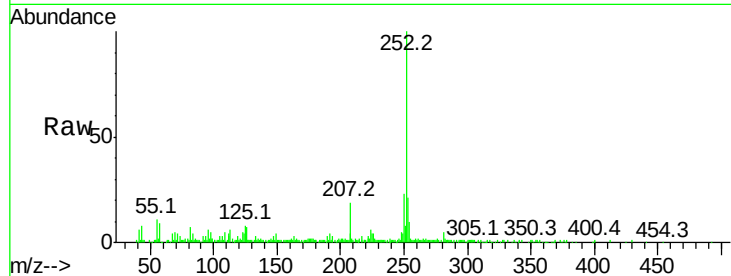
Tot Ion:252 Resp: 146546

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

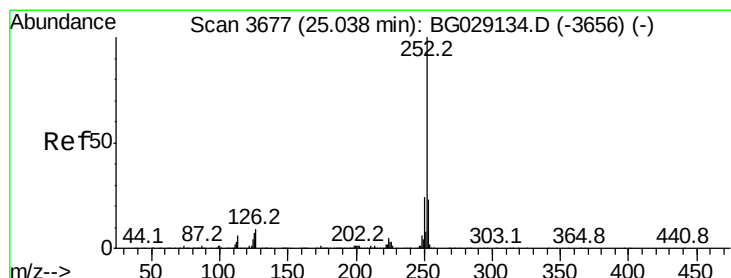
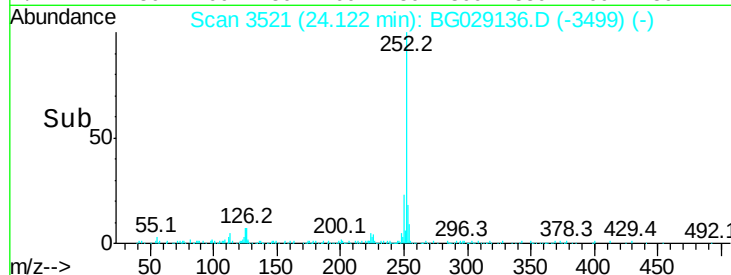
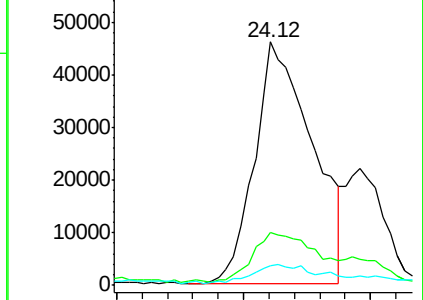
125 8.0 8.1 12.1#



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: 4.330 ng/ul

RT: 25.03 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BG029136.D

Acq: 10 Oct 2017 11:46

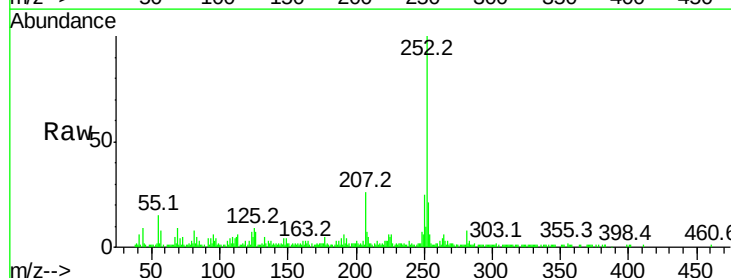
Tgt Ion:252 Resp: 85076

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

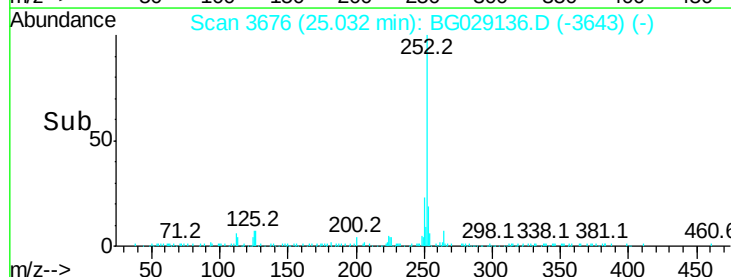
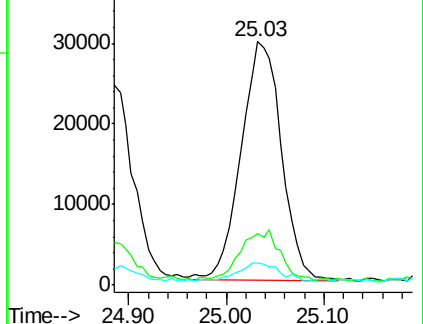
125 8.9 8.2 12.4



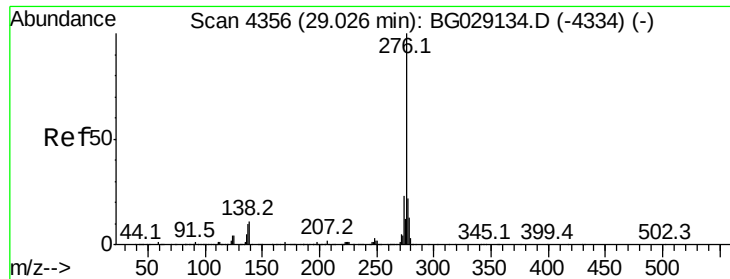
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





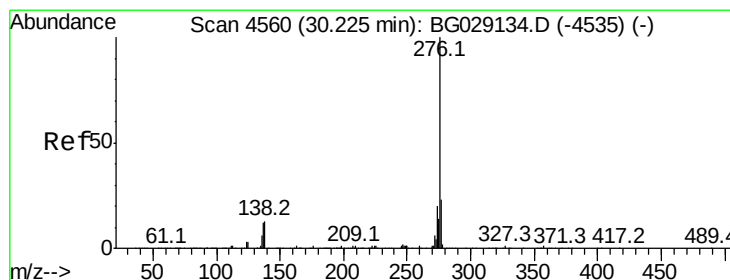
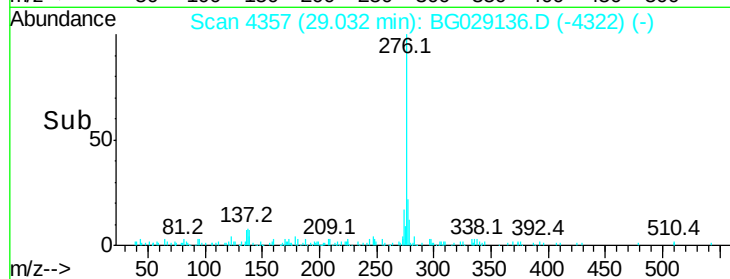
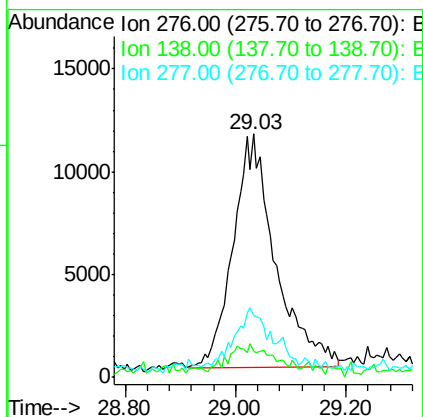
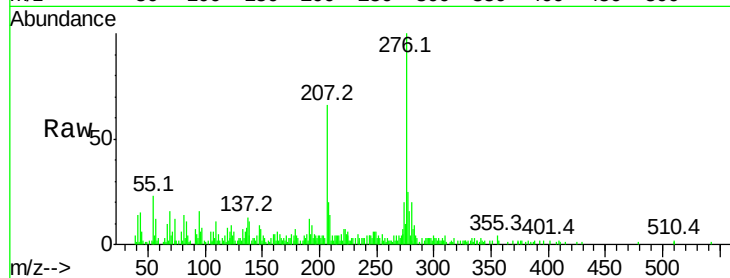


#27

Indeno(1,2,3-cd)pyrene  
Concen: 2.723 ng/ul  
RT: 29.03 min Scan# 4357  
Delta R.T. 0.01 min  
Lab File: BG029136.D  
Acq: 10 Oct 2017 11:46

Instrument :  
BNA\_G  
ClientSampleId :  
DAH76MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 10.9  | 14.4  | 21.6# |
| 277     | 25.2  | 18.0  | 27.0  |



#29

Benzo(g,h,i)perylene  
Concen: 2.282 ng/ul  
RT: 30.23 min Scan# 4560  
Delta R.T. 0.00 min  
Lab File: BG029136.D  
Acq: 10 Oct 2017 11:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 10.5  | 15.3  | 22.9# |
| 277     | 28.2  | 19.0  | 28.4  |

