

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082517\  
 Data File : BG028498.D  
 Acq On : 25 Aug 2017 19:42  
 Operator : SJ/JU  
 Sample : I4885-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0AP6

Quant Time: Aug 26 01:55:43 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 26 01:54:26 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.33  | 152  | 35666    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.16 | 136  | 154844   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 104218   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.70 | 188  | 246932   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.03 | 240  | 310047   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.55 | 264  | 315958   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.82  | 96  | 2842   | 3.71  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 84606  | 21.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.65  | 67  | 48814  | 19.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 61199  | 24.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.03  | 113 | 69582  | 21.25 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.50  | 128 | 29263  | 24.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.24 | 143 | 37441  | 28.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 69813  | 25.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.30 | 131 | 25300  | 8.28  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 232468 | 25.08 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 264797 | 25.34 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 32348  | 21.95 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 200327 | 24.09 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 32137  | 20.03 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.80 | 188 | 316174 | 26.70 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.07 | 212 | 385542 | 24.25 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.31 | 264 | 382014 | 25.83 | ng/ul | 0.02 |

## Target Compounds

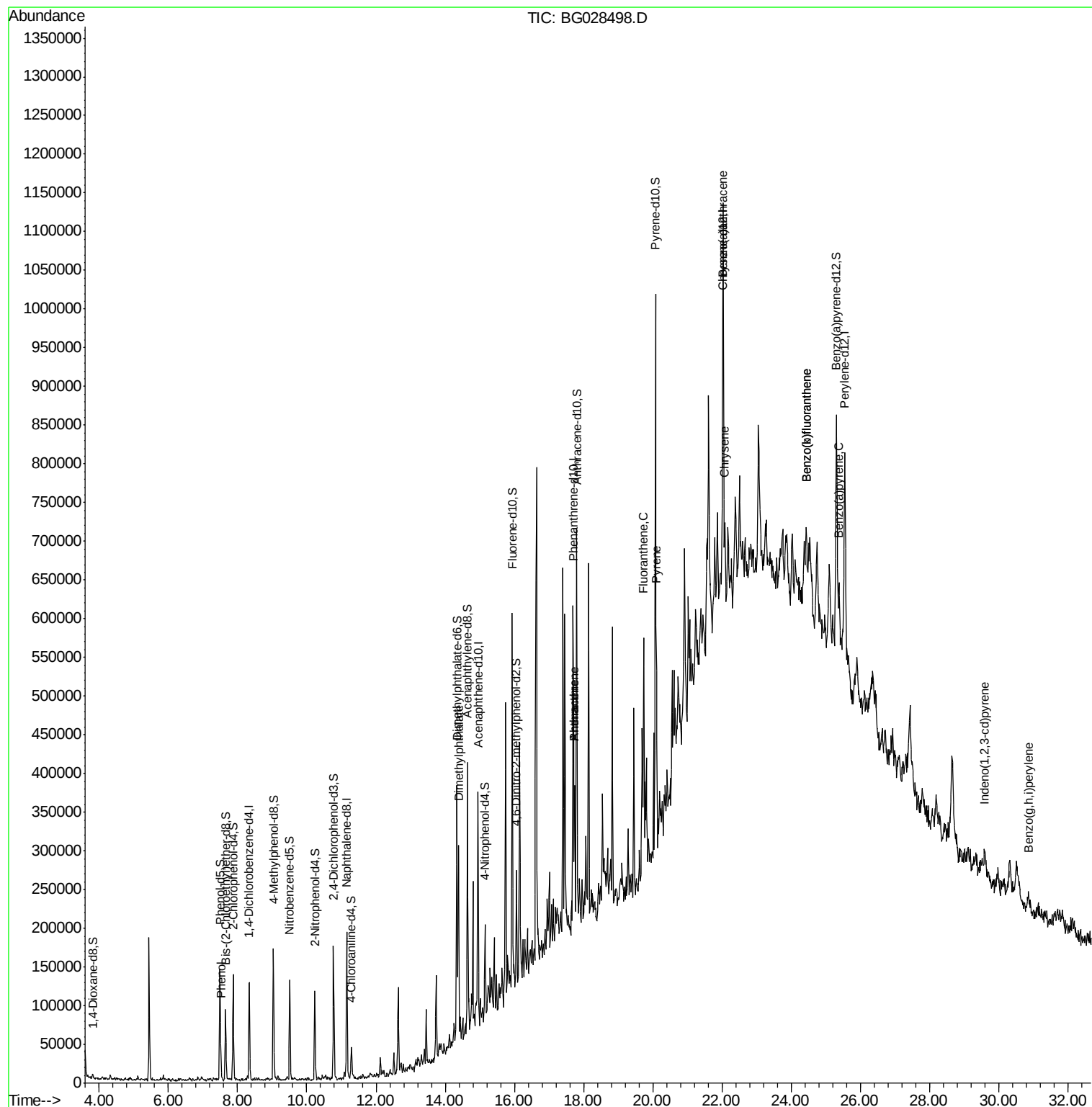
|                            |       |     |        |        | Ovalue |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| 6) Phenol                  | 7.52  | 94  | 7982   | 2.050  | ng/ul# | 84 |
| 44) Dimethylphthalate      | 14.38 | 163 | 67084  | 7.860  | ng/ul  | 96 |
| 69) Phenanthrene           | 17.74 | 178 | 104997 | 8.449  | ng/ul  | 97 |
| 71) Anthracene             | 17.74 | 178 | 105051 | 8.271  | ng/ul  | 96 |
| 74) Fluoranthene           | 19.74 | 202 | 183430 | 12.146 | ng/ul  | 99 |
| 77) Pyrene                 | 20.10 | 202 | 174606 | 9.439  | ng/ul  | 97 |
| 80) Benzo(a)anthracene     | 22.01 | 228 | 86411  | 4.824  | ng/ul  | 98 |
| 82) Chrysene               | 22.08 | 228 | 83499  | 5.175  | ng/ul  | 96 |
| 85) Benzo(b)fluoranthene   | 24.43 | 252 | 102465 | 5.419  | ng/ul# | 79 |
| 86) Benzo(k)fluoranthene   | 24.43 | 252 | 102465 | 5.548  | ng/ul# | 81 |
| 88) Benzo(a)pyrene         | 25.39 | 252 | 79952  | 4.367  | ng/ul# | 86 |
| 89) Indeno(1,2,3-cd)pyrene | 29.59 | 276 | 49398  | 2.304  | ng/ul# | 87 |
| 91) Benzo(g,h,i)perylene   | 30.87 | 276 | 19693  | 1.117  | ng/ul# | 92 |

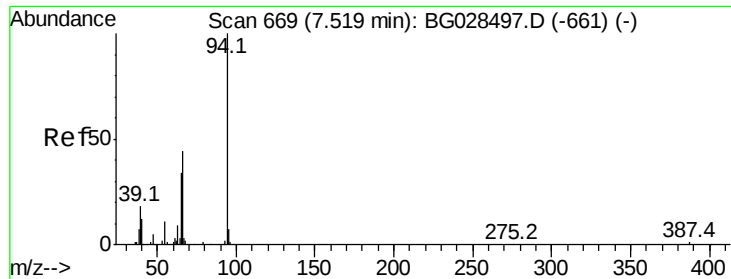
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 26 01:55:43 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Aug 26 01:54:26 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 2.050 ng/ul

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

BNA\_G

ClientSampleId :

B0AP6

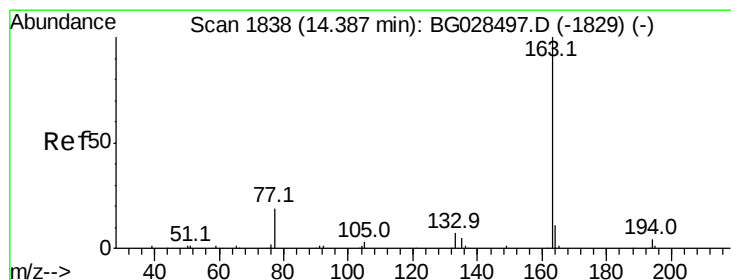
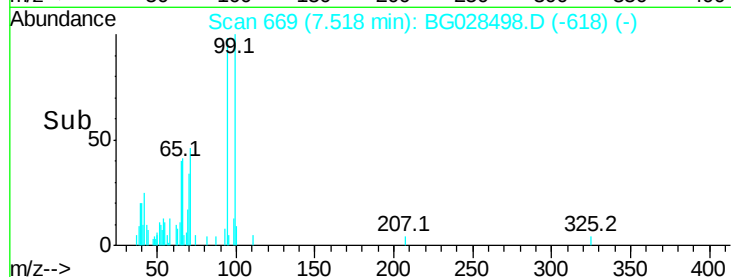
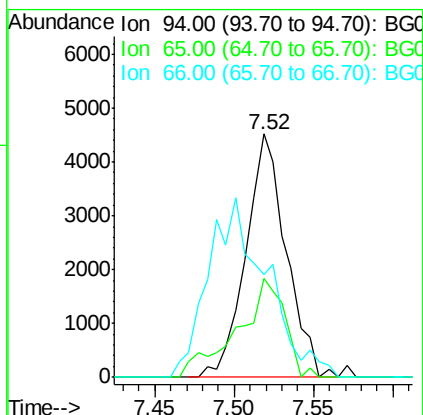
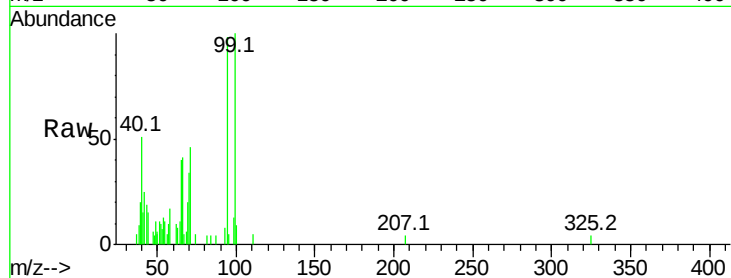
Tot Ion: 94 Resp: 7982

Ion Ratio Lower Upper

94 100

65 40.4 26.8 40.2#

66 42.5 44.4 66.6#



#44

Dimethylphthalate

Concen: 7.860 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

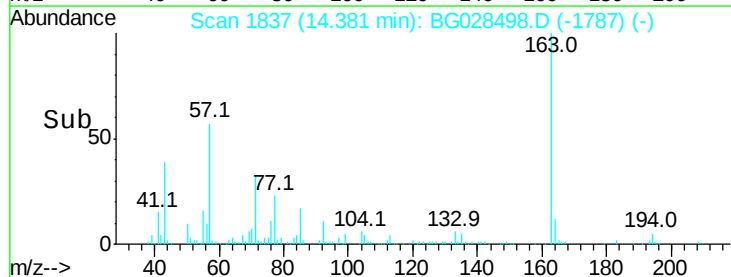
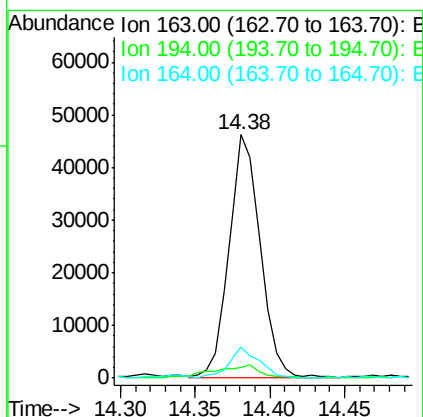
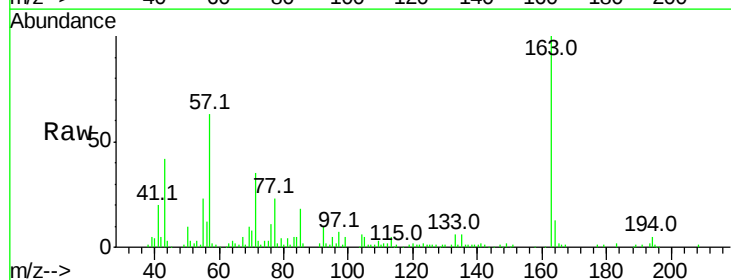
Tgt Ion: 163 Resp: 67084

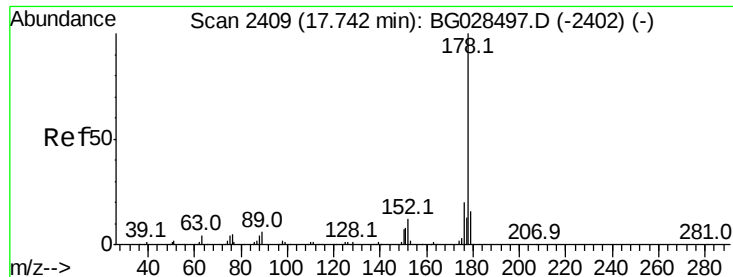
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

164 12.9 9.0 13.4





#69

Phenanthrene

Concen: 8.449 ng/ul

RT: 17.74 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

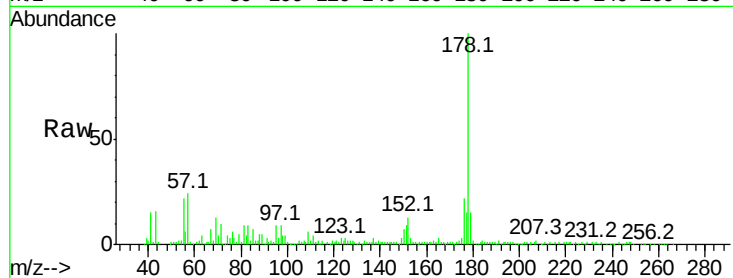
BNA\_G

ClientSampleId :

B0AP6

Tot Ion:178 Resp: 104997

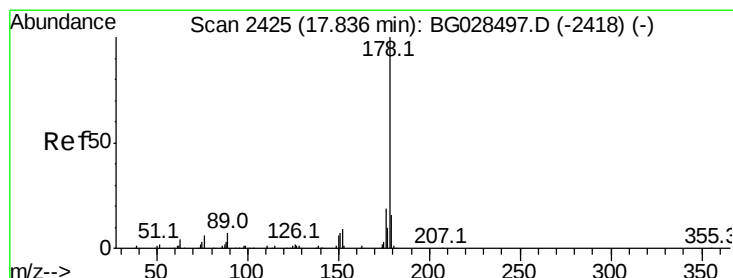
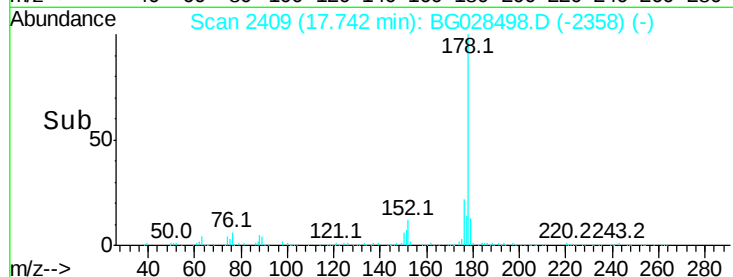
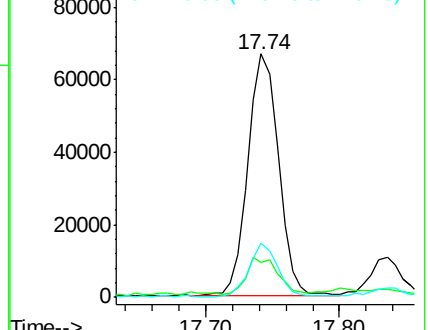
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 14.6  | 12.4  | 18.6  |
| 176 | 22.5  | 16.5  | 24.7  |



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



#71

Anthracene

Concen: 8.271 ng/ul

RT: 17.74 min Scan# 2409

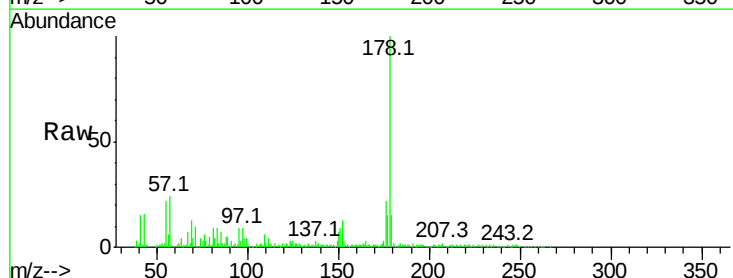
Delta R.T. -0.09 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Tgt Ion:178 Resp: 105051

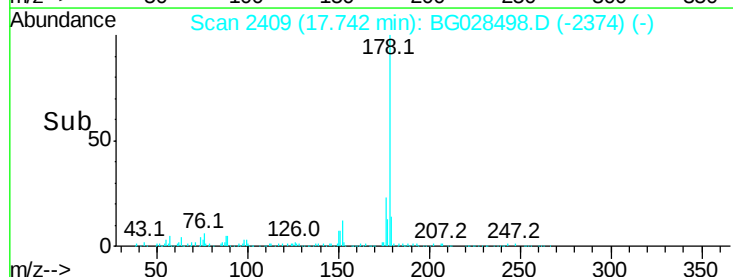
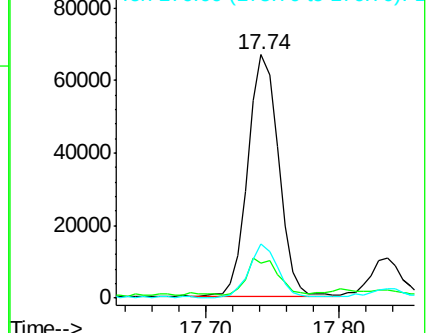
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 14.6  | 12.6  | 19.0  |
| 176 | 22.5  | 15.9  | 23.9  |

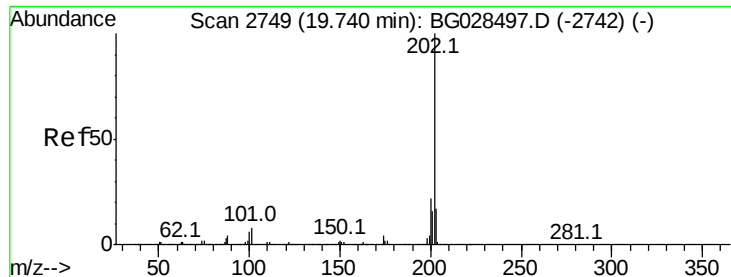


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 12.146 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

BNA\_G

ClientSampleId :

B0AP6

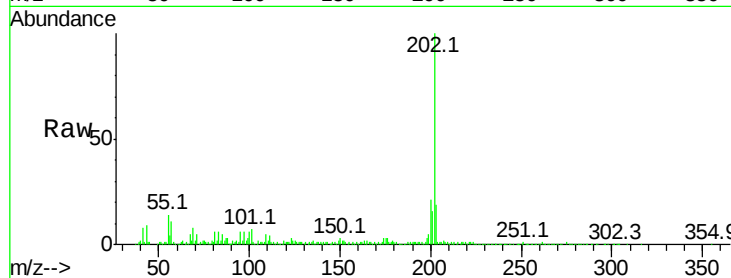
Tot Ion:202 Resp: 183430

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.2

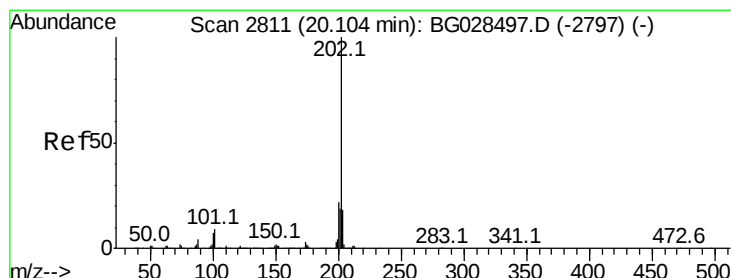
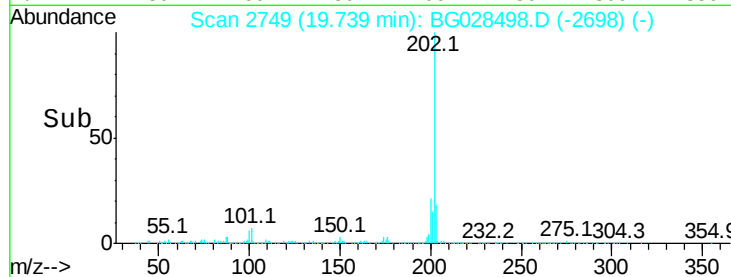
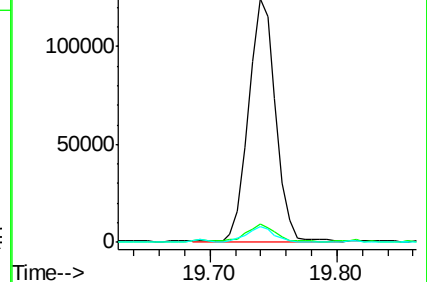
100 6.4 5.2 7.8



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



#77

Pyrene

Concen: 9.439 ng/ul

RT: 20.10 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

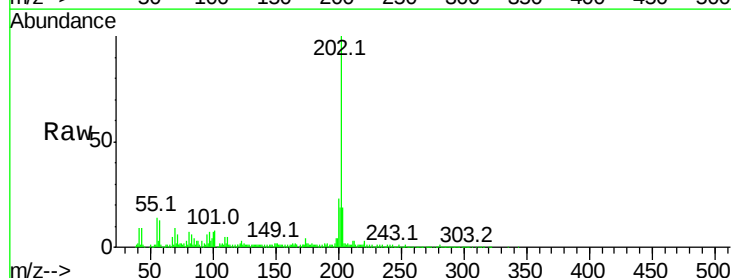
Tgt Ion:202 Resp: 174606

Ion Ratio Lower Upper

202 100

101 8.0 6.9 10.3

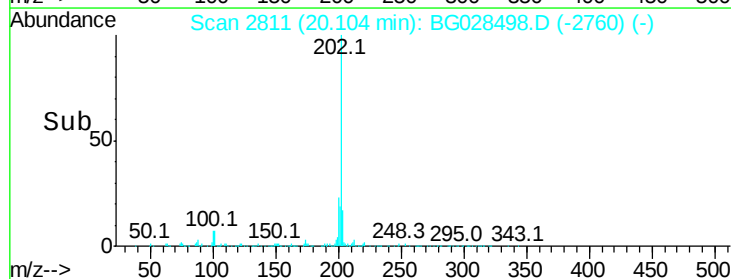
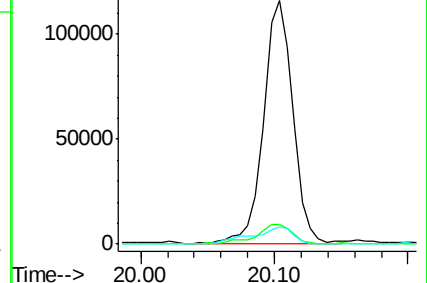
100 6.8 6.6 10.0

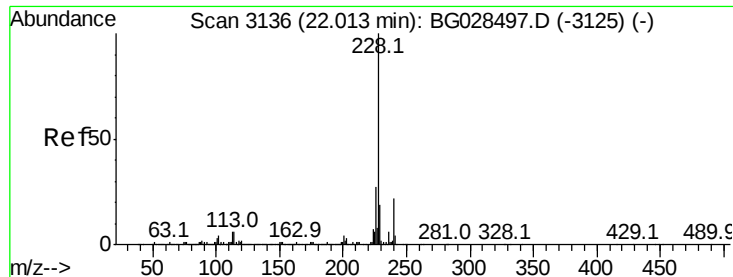


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.824 ng/ul

RT: 22.01 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

BNA\_G

ClientSampleId :

B0AP6

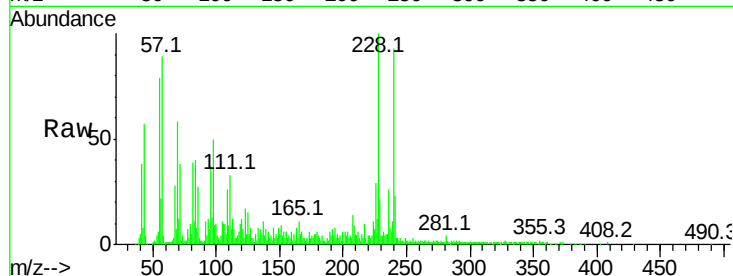
Tot Ion:228 Resp: 86411

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 21.1  | 16.3  | 24.5  |
| 226 | 28.7  | 21.9  | 32.9  |

228 100

229 21.1 16.3 24.5

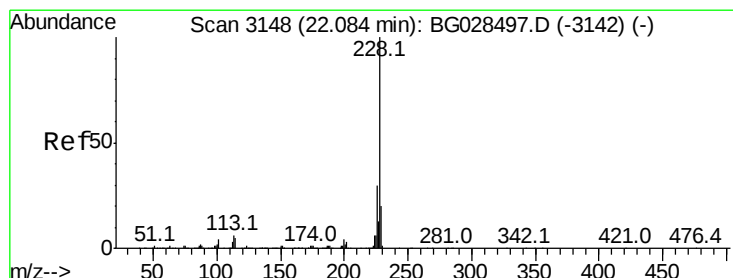
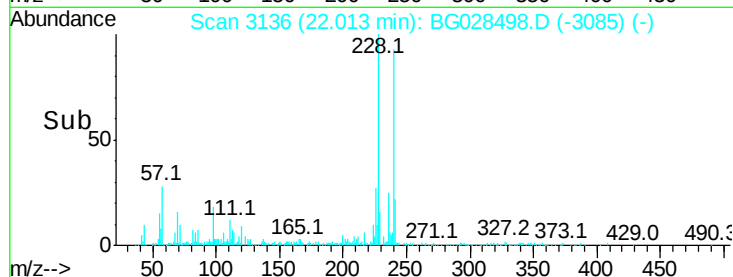
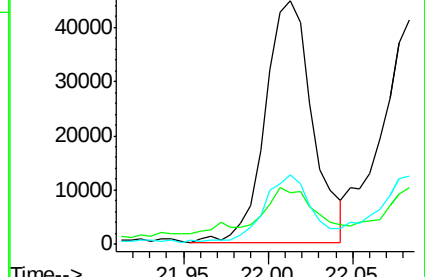
226 28.7 21.9 32.9



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



#82

Chrysene

Concen: 5.175 ng/ul

RT: 22.08 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

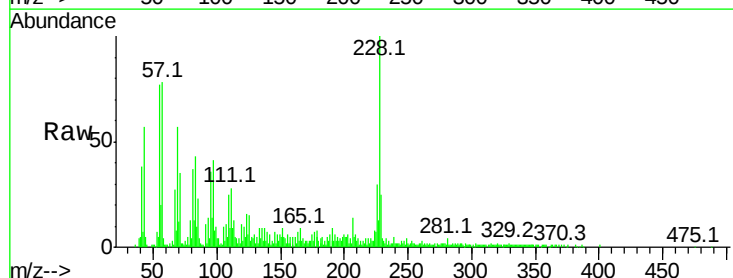
Tgt Ion:228 Resp: 83499

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.3  | 24.0  | 36.0  |
| 229 | 25.1  | 16.9  | 25.3  |

228 100

226 30.3 24.0 36.0

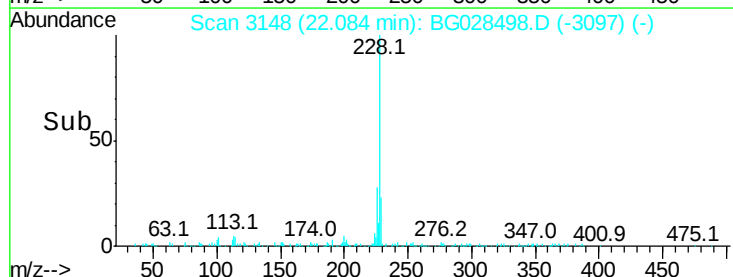
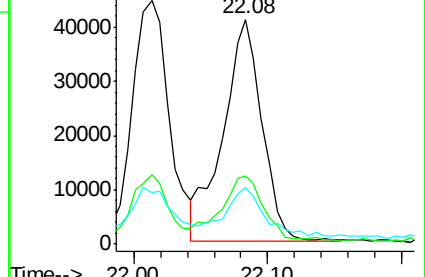
229 25.1 16.9 25.3

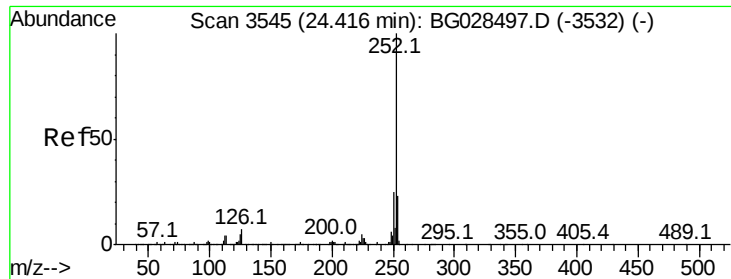


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 5.419 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

BNA\_G

ClientSampleId :

B0AP6

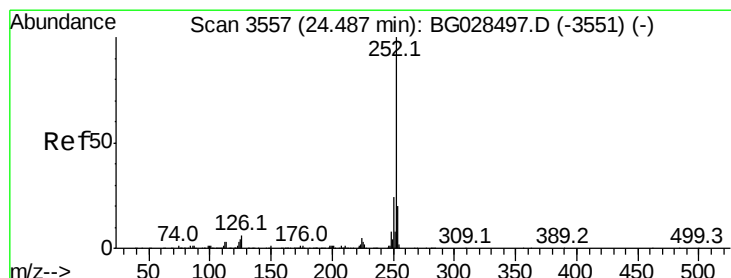
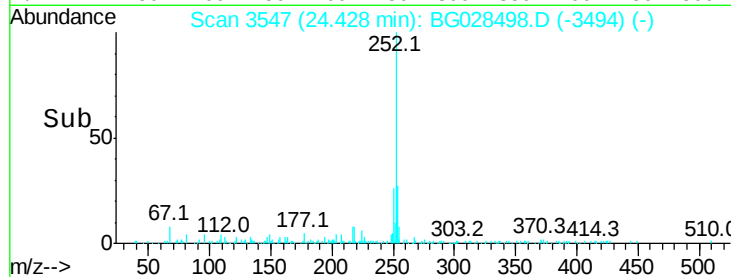
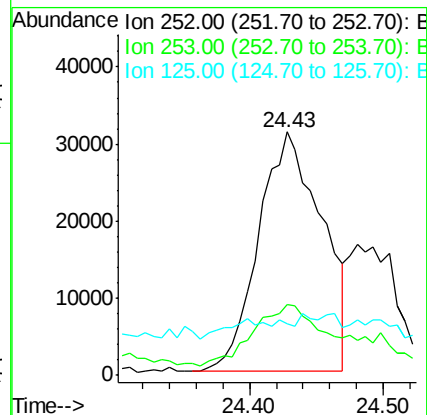
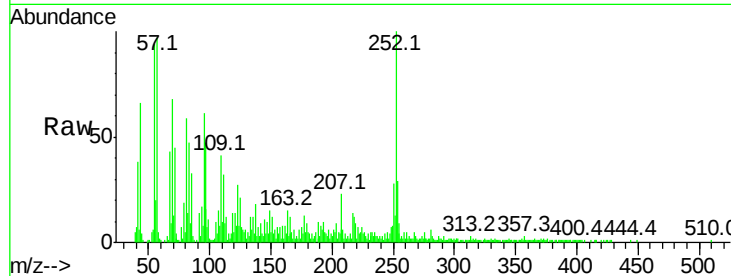
Tot Ion:252 Resp: 102465

Ion Ratio Lower Upper

252 100

253 29.2 17.7 26.5#

125 21.4 4.0 6.0#



#86

Benzo(k)fluoranthene

Concen: 5.548 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.06 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

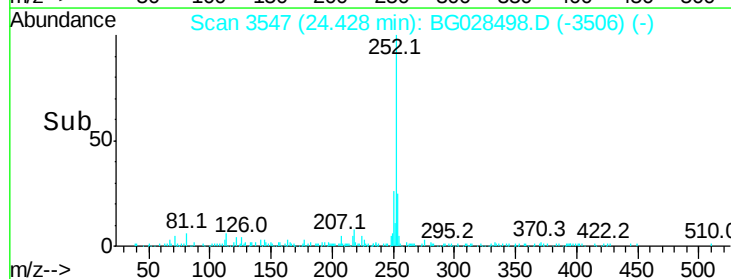
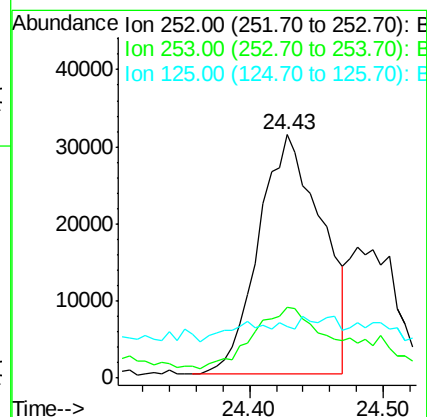
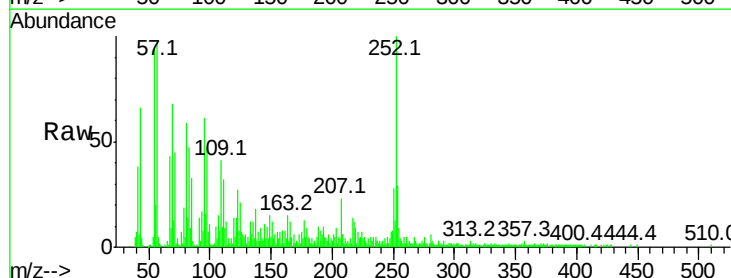
Tgt Ion:252 Resp: 102465

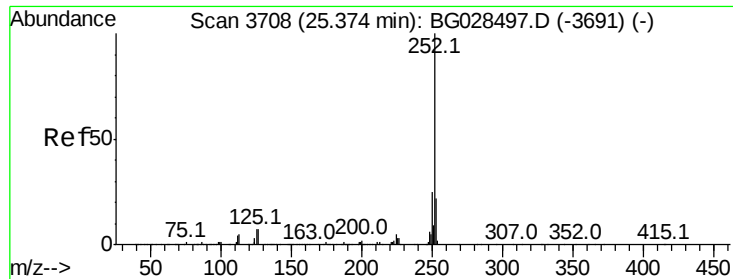
Ion Ratio Lower Upper

252 100

253 29.2 18.5 27.7#

125 21.4 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 4.367 ng/ul

RT: 25.39 min Scan# 3710

Delta R.T. 0.01 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

BNA\_G

ClientSampleId :

B0AP6

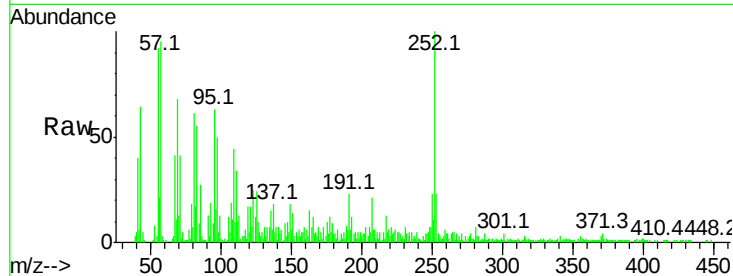
Tot Ion:252 Resp: 79952

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

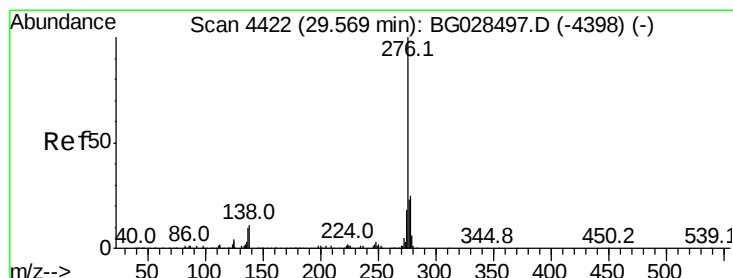
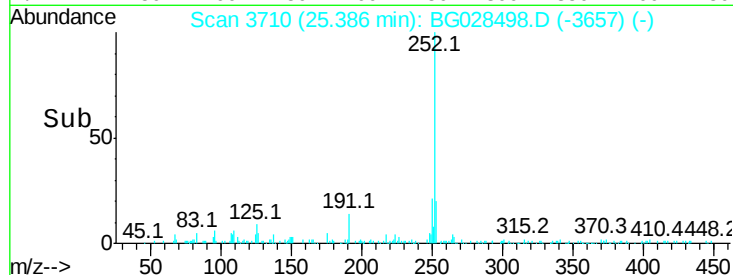
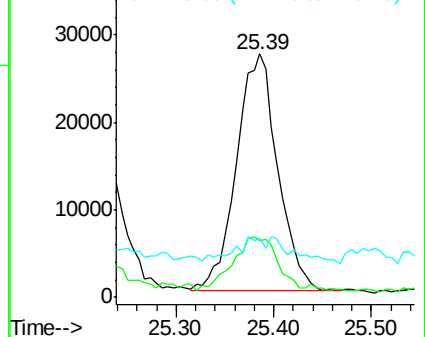
125 24.2 5.4 8.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.304 ng/ul

RT: 29.59 min Scan# 4425

Delta R.T. 0.02 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

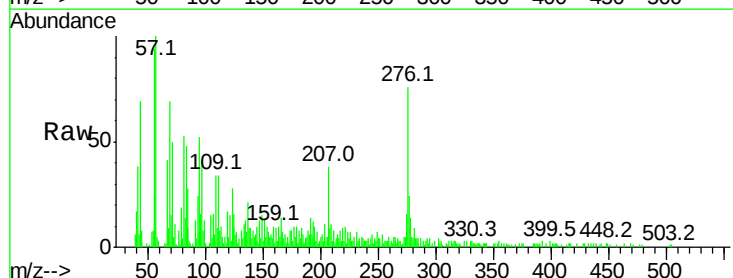
Tgt Ion:276 Resp: 49398

Ion Ratio Lower Upper

276 100

138 11.7 8.2 12.4

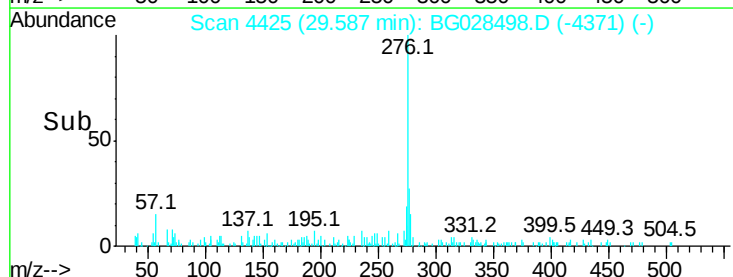
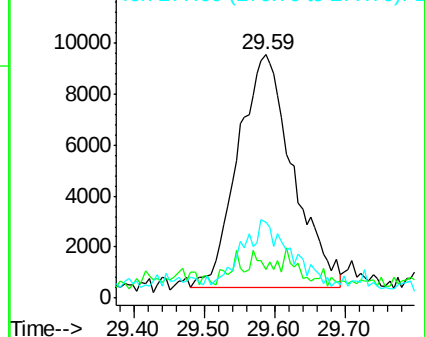
277 31.3 18.6 28.0#

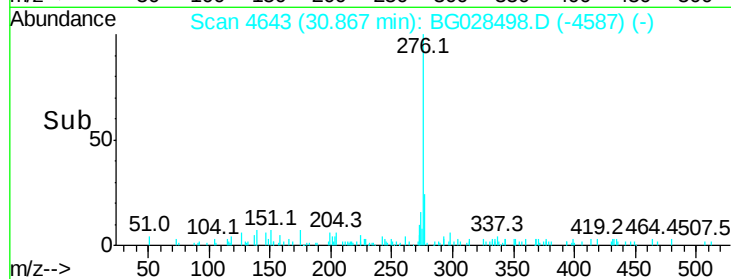
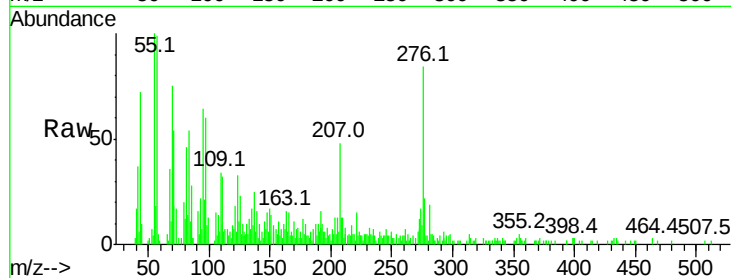
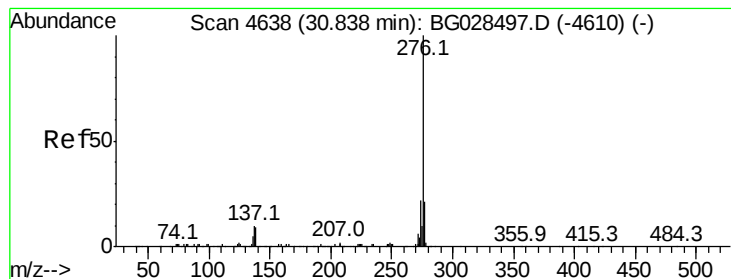


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.117 ng/ul

RT: 30.87 min Scan# 4643

Delta R.T. 0.03 min

Lab File: BG028498.D

Acq: 25 Aug 2017 19:42

Instrument :

BNA\_G

ClientSampleId :

B0AP6

Tot Ion:276 Resp: 19693

Ion Ratio Lower Upper

276 100

138 7.6 8.6 12.8#

277 26.1 17.6 26.4

