

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111920\  
 Data File : BM027842.D  
 Acq On : 19 Nov 2020 13:47  
 Operator : JU/CG  
 Sample : L4710-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE9

Quant Time: Nov 19 14:37:51 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 19 12:03:10 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.33  | 152  | 52143    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.17 | 136  | 223325   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.95 | 164  | 137931   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.66 | 188  | 275336   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.77 | 240  | 177463   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.19 | 264  | 146769   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.49  | 96  | 3057   | 2.24  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.46  | 99  | 73561  | 14.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.64  | 67  | 48539  | 15.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.85  | 132 | 56637  | 15.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.03  | 113 | 51620  | 13.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.51  | 128 | 27675  | 14.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.24 | 143 | 30897  | 15.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.78 | 165 | 58537  | 14.70 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.29 | 131 | 55934  | 13.10 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.35 | 166 | 179761 | 16.43 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.65 | 160 | 226050 | 16.40 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.10 | 143 | 25840  | 13.30 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.93 | 176 | 151410 | 15.64 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.03 | 200 | 21018  | 12.56 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.76 | 188 | 227220 | 16.36 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.02 | 212 | 214247 | 19.45 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.04 | 264 | 136790 | 16.60 | ng/ul | 0.00 |

## Target Compounds

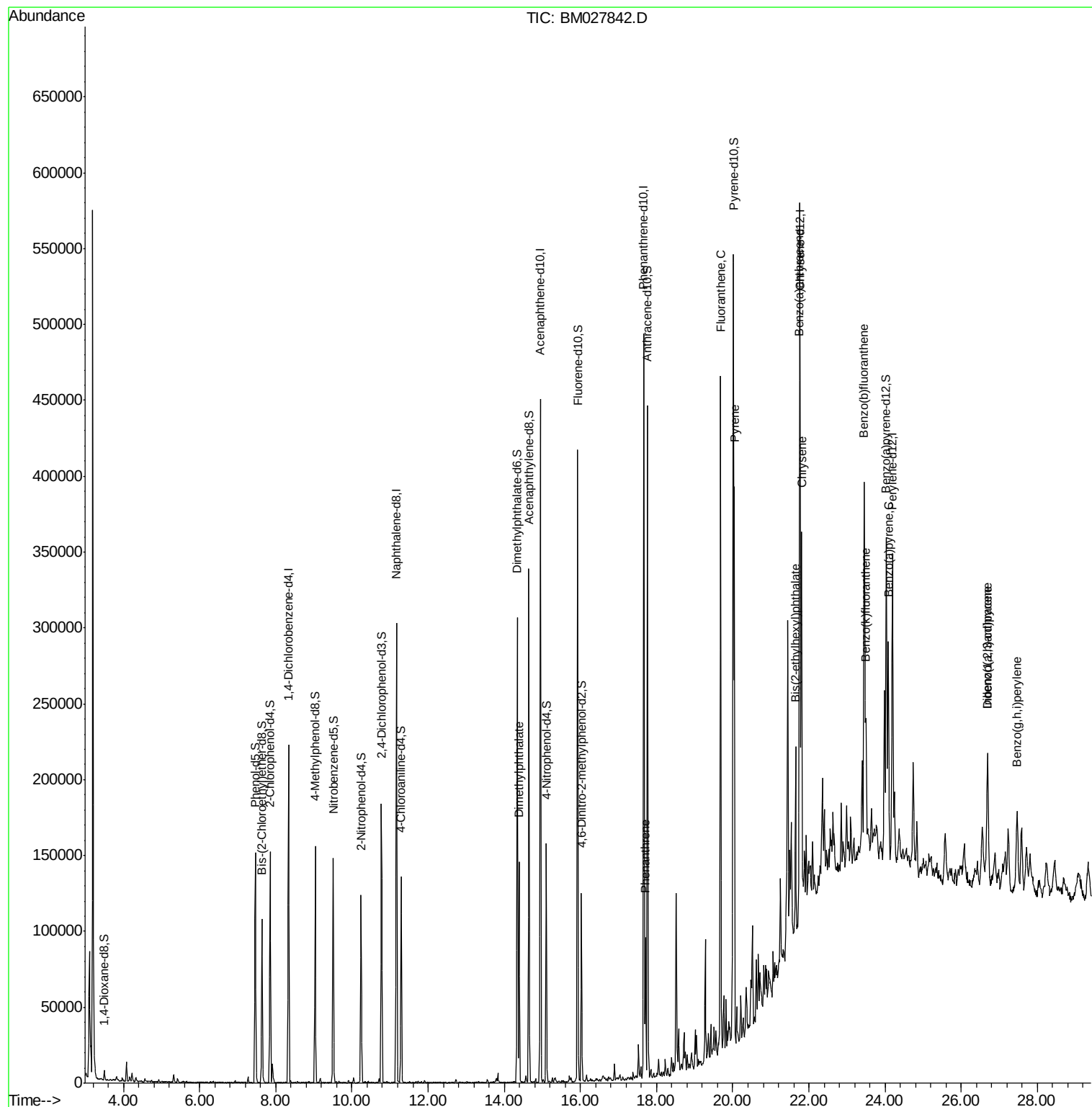
|                                |       |     |        |               | Ovalue |
|--------------------------------|-------|-----|--------|---------------|--------|
| 45) Dimethylphthalate          | 14.39 | 163 | 77967  | 6.979 ng/ul   | 98     |
| 70) Phenanthrene               | 17.70 | 178 | 51740  | 3.189 ng/ul   | 100    |
| 77) Fluoranthene               | 19.69 | 202 | 255007 | 14.196 ng/ul  | 98     |
| 80) Pyrene                     | 20.04 | 202 | 214171 | 15.046 ng/ul  | 97     |
| 83) Benzo(a)anthracene         | 21.75 | 228 | 117320 | 9.331 ng/ul   | 99     |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 33390  | 4.651 ng/ul   | 99     |
| 85) Chrysene                   | 21.81 | 228 | 141873 | 11.647 ng/ul  | 97     |
| 88) Benzo(b)fluoranthene       | 23.46 | 252 | 161022 | 15.577 ng/ul# | 95     |
| 89) Benzo(k)fluoranthene       | 23.50 | 252 | 55424  | 5.564 ng/ul#  | 98     |
| 91) Benzo(a)pyrene             | 24.09 | 252 | 101780 | 11.113 ng/ul  | 96     |
| 92) Indeno(1,2,3-cd)pyrene     | 26.69 | 276 | 70152  | 6.615 ng/ul   | 97     |
| 93) Dibenzo(a,h)anthracene     | 26.70 | 278 | 20008  | 2.261 ng/ul#  | 84     |
| 94) Benzo(g,h,i)perylene       | 27.47 | 276 | 64135  | 7.206 ng/ul#  | 95     |

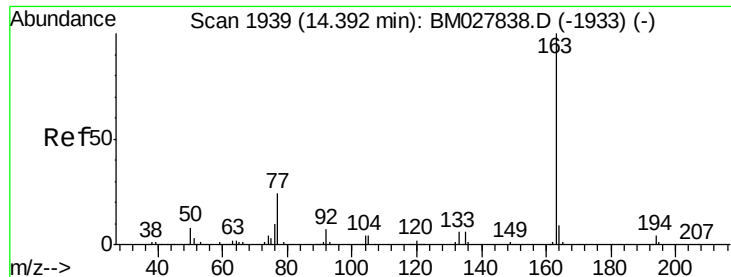
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_M  
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Quant Time: Nov 19 14:37:51 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Nov 19 12:03:10 2020  
Response via : Initial Calibration

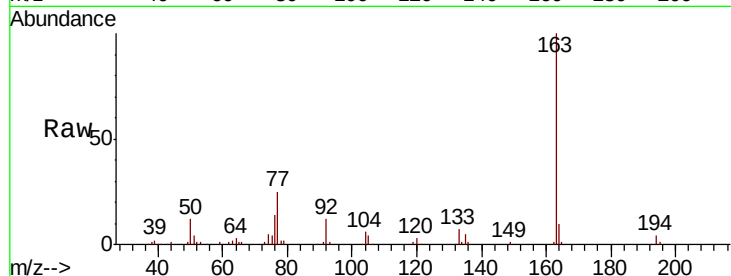




#45  
Dimethylphthalate  
Concen: 6.979 ng/ul  
RT: 14.39 min Scan# 1938  
Delta R.T. -0.01 min  
Lab File: BM027842.D  
Acq: 19 Nov 2020 13:47

Instrument :  
BNA\_M  
ClientSampleId :  
C0BE9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.3   | 4.9   |
| 164     | 9.5   | 8.3   | 12.5  |

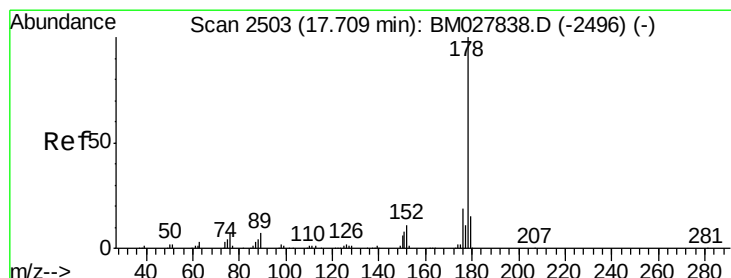
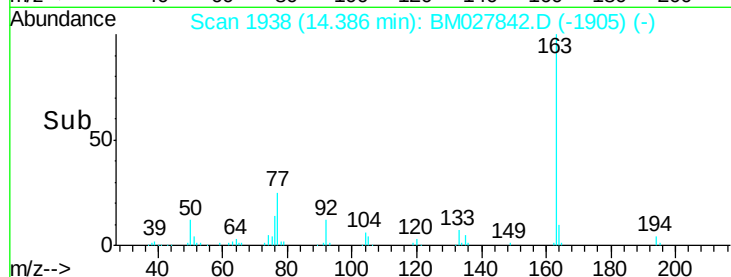
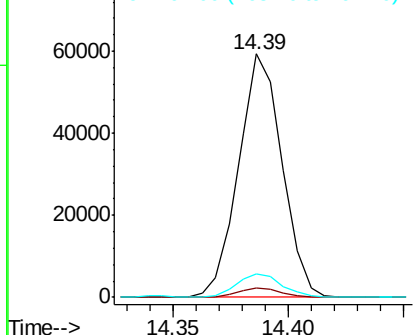


Abundance

Ion 163.00 (162.70 to 163.70): E

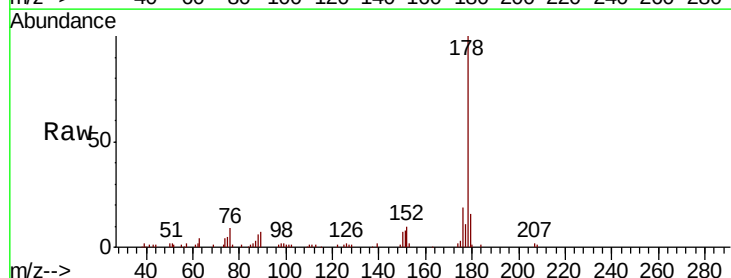
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#70  
Phenanthrene  
Concen: 3.189 ng/ul  
RT: 17.70 min Scan# 2502  
Delta R.T. -0.01 min  
Lab File: BM027842.D  
Acq: 19 Nov 2020 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.8  | 12.4  | 18.6  |
| 176     | 19.0  | 15.1  | 22.7  |

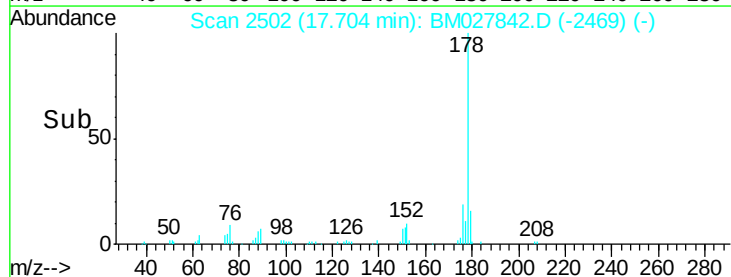
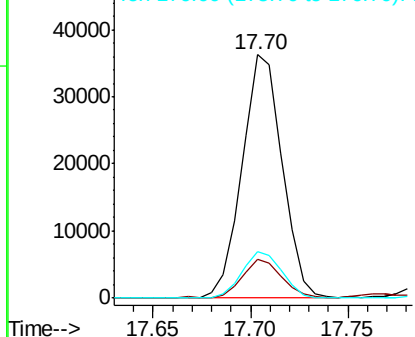


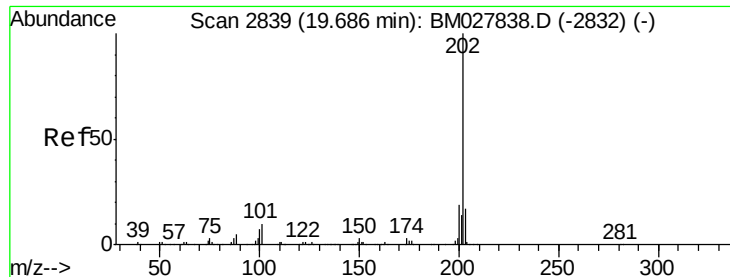
Abundance

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

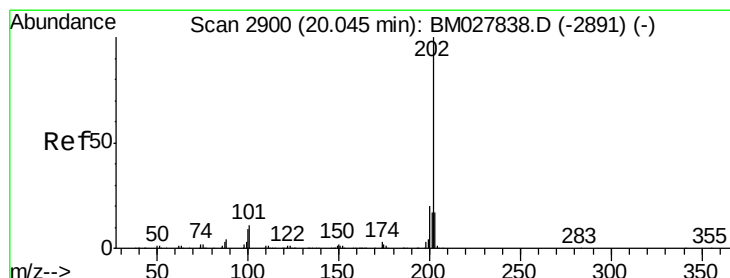
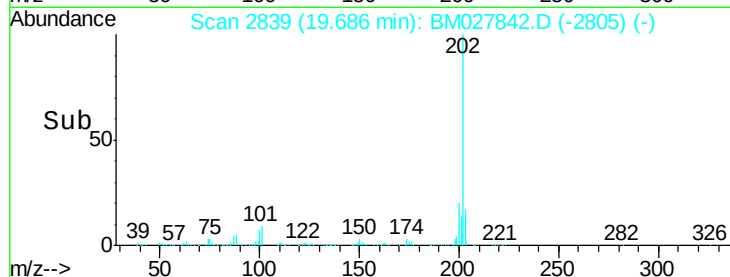
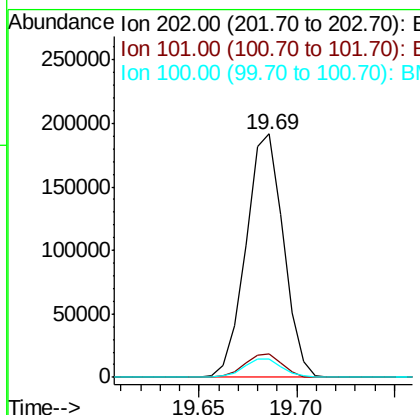
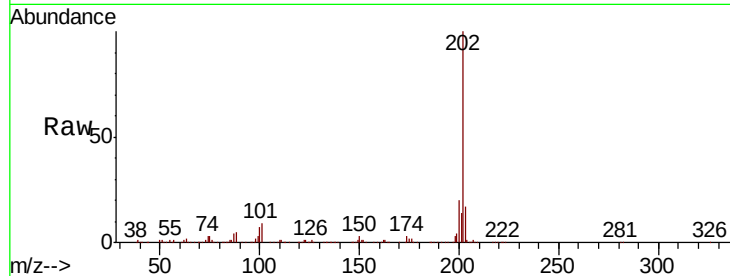




#77  
 Fluoranthene  
 Concen: 14.196 ng/ul  
 RT: 19.69 min Scan# 2839  
 Delta R.T. 0.00 min  
 Lab File: BM027842.D  
 Acq: 19 Nov 2020 13:47

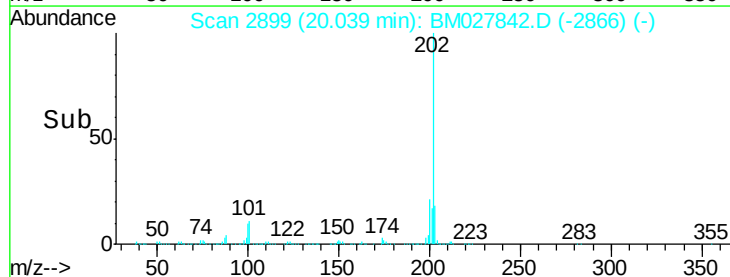
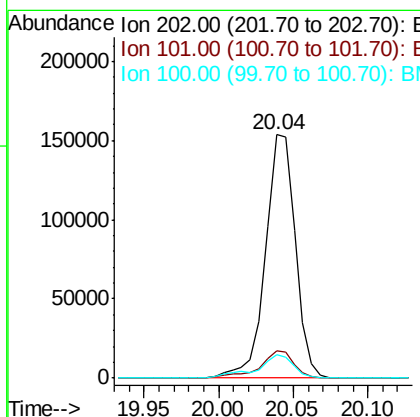
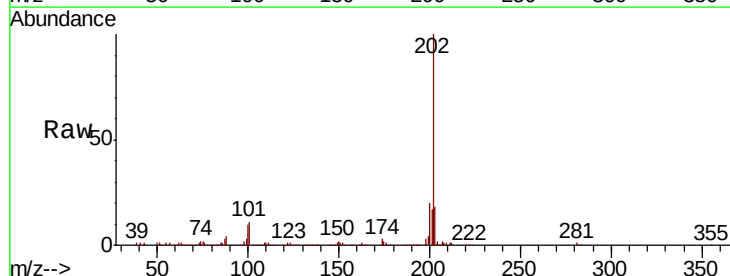
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE9

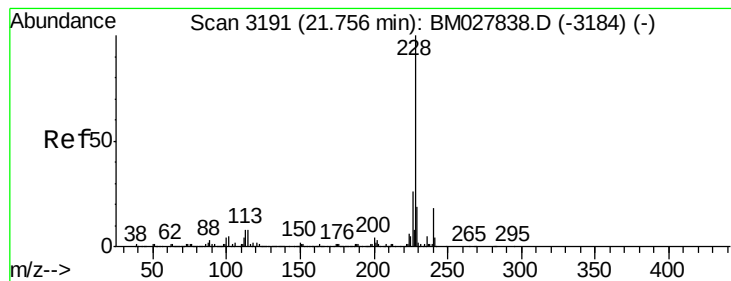
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 255007 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 9.4   | 6.9   | 10.3   |
| 100      | 7.5   | 5.3   | 7.9    |



#80  
 Pyrene  
 Concen: 15.046 ng/ul  
 RT: 20.04 min Scan# 2899  
 Delta R.T. -0.01 min  
 Lab File: BM027842.D  
 Acq: 19 Nov 2020 13:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 214171 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 11.3  | 8.1   | 12.1   |
| 100      | 9.5   | 6.7   | 10.1   |





#83

Benzo(a)anthracene

Concen: 9.331 ng/ul

RT: 21.75 min Scan# 3190

Delta R.T. -0.01 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

Instrument :

BNA\_M

ClientSampled :

C0BE9

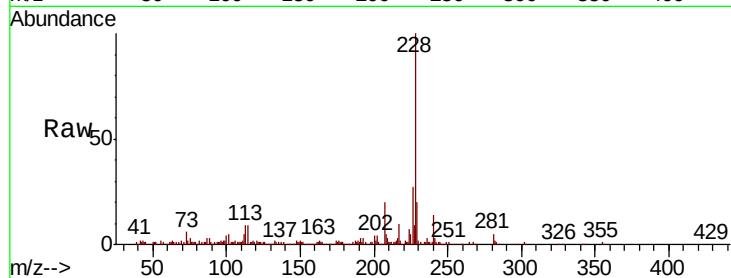
Tot Ion:228 Resp: 117320

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 20.4  | 15.6  | 23.4  |
| 226 | 26.8  | 21.2  | 31.8  |

228 100

229 20.4 15.6 23.4

226 26.8 21.2 31.8

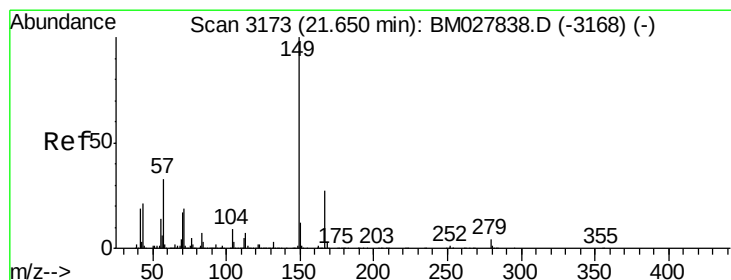
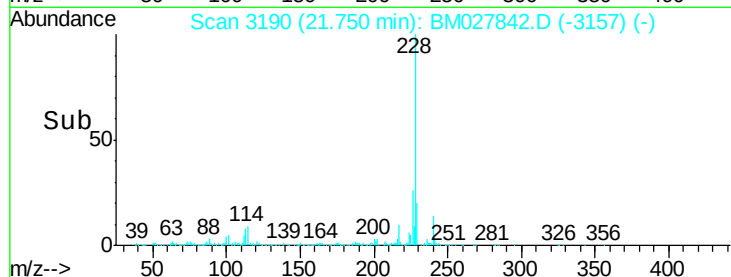
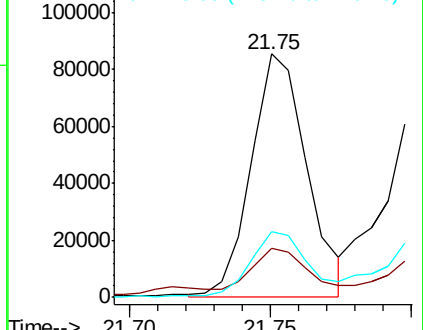


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.651 ng/ul

RT: 21.65 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

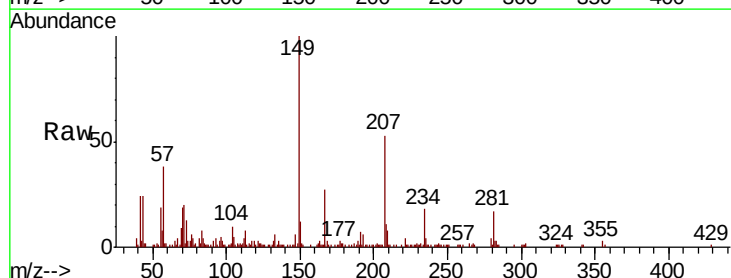
Tgt Ion:149 Resp: 33390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.6  | 20.6  | 31.0  |
| 279 | 4.4   | 3.2   | 4.8   |

149 100

167 26.6 20.6 31.0

279 4.4 3.2 4.8

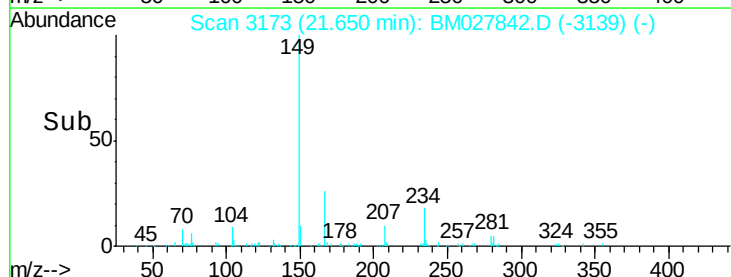
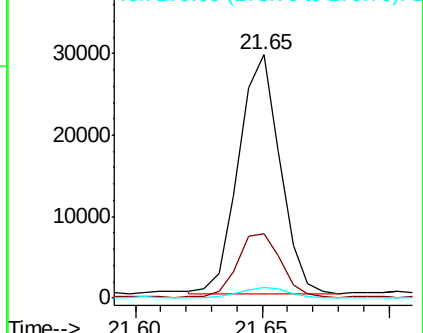


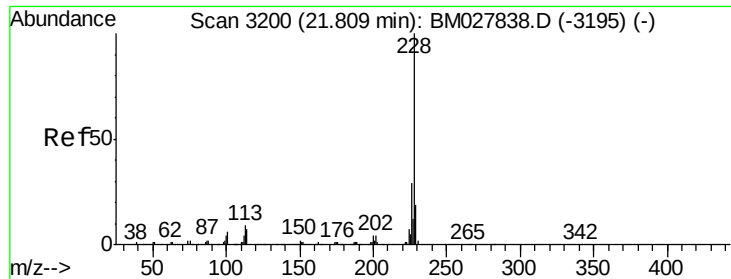
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 11.647 ng/ul

RT: 21.81 min Scan# 3200

Delta R.T. 0.00 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

Instrument :

BNA\_M

ClientSampleId :

C0BE9

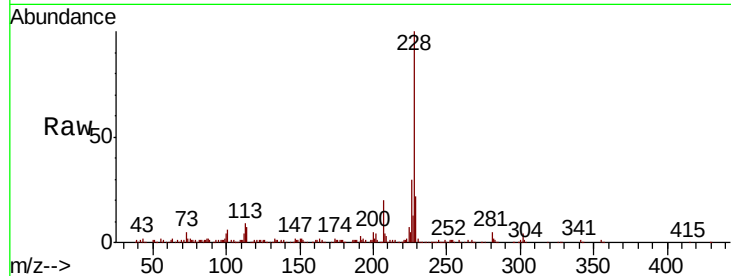
Tot Ion:228 Resp: 141873

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

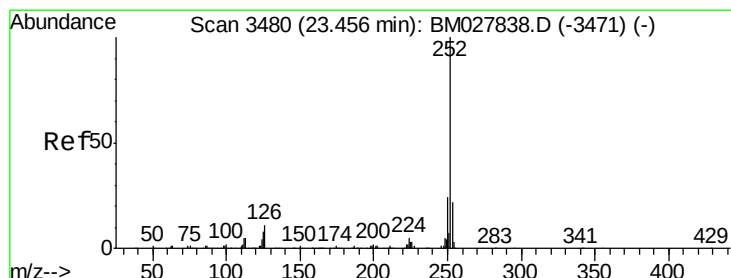
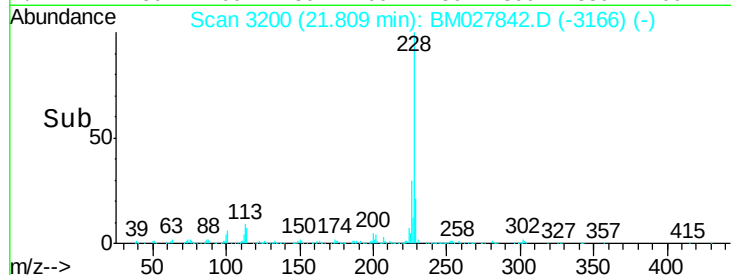
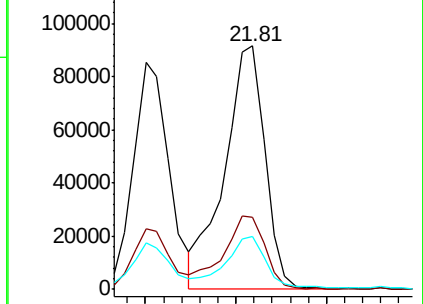
229 21.7 15.5 23.3



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



#88

Benzo(b)fluoranthene

Concen: 15.577 ng/ul

RT: 23.46 min Scan# 3480

Delta R.T. 0.00 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

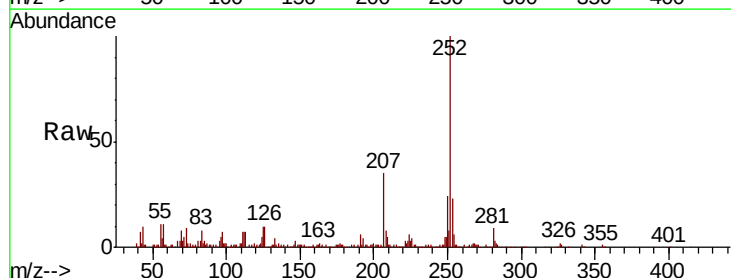
Tgt Ion:252 Resp: 161022

Ion Ratio Lower Upper

252 100

253 22.9 16.7 25.1

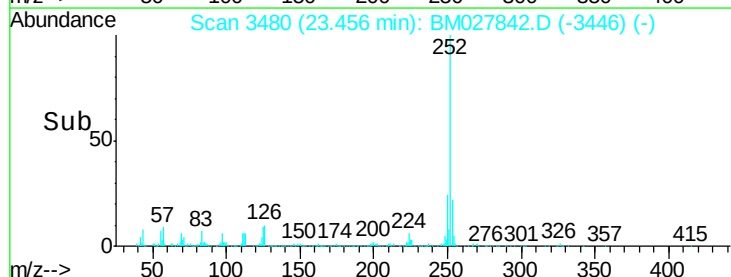
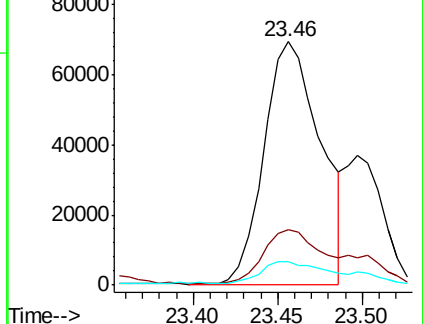
125 9.8 6.1 9.1#

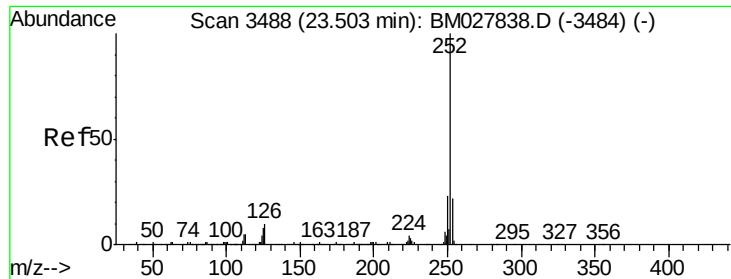


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.564 ng/ul

RT: 23.50 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

Instrument :

BNA\_M

ClientSampleId :

C0BE9

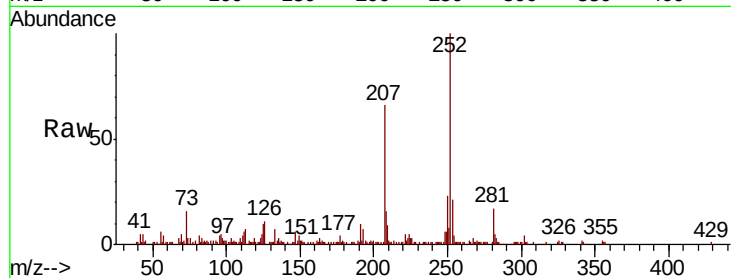
Tot Ion:252 Resp: 55424

Ion Ratio Lower Upper

252 100

253 20.8 16.9 25.3

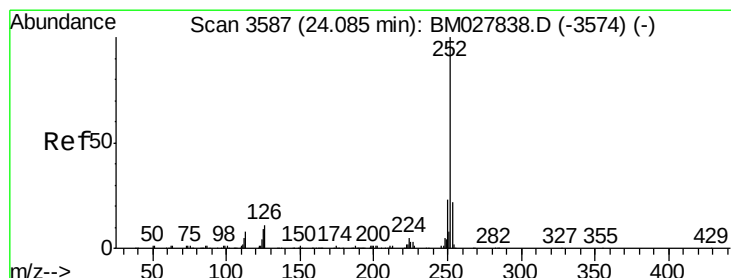
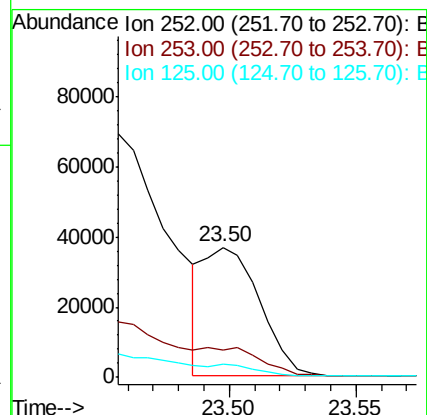
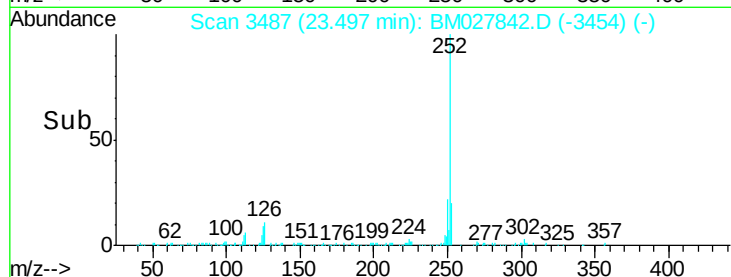
125 9.9 6.0 9.0#



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



#91

Benzo(a)pyrene

Concen: 11.113 ng/ul

RT: 24.09 min Scan# 3587

Delta R.T. 0.00 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

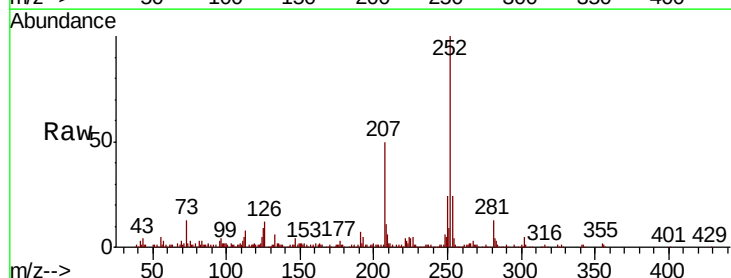
Tgt Ion:252 Resp: 101780

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

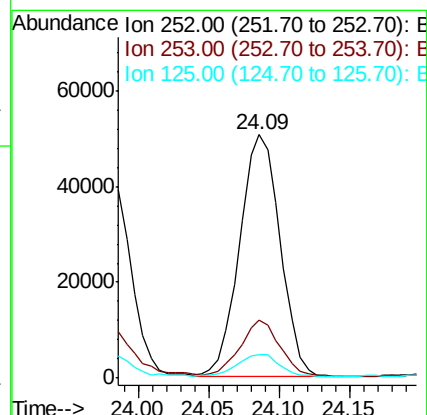
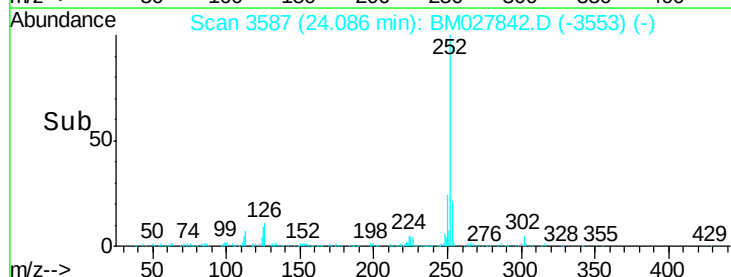
125 9.5 6.5 9.7

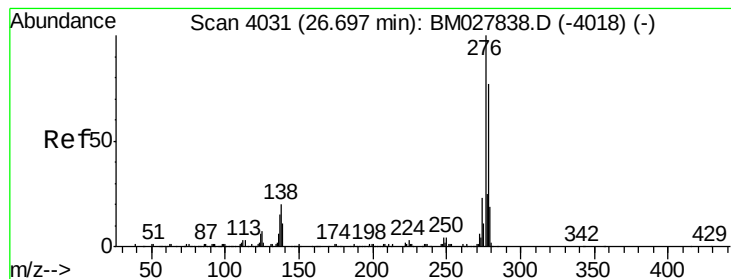


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 6.615 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

Instrument :

BNA\_M

ClientSampleId :

C0BE9

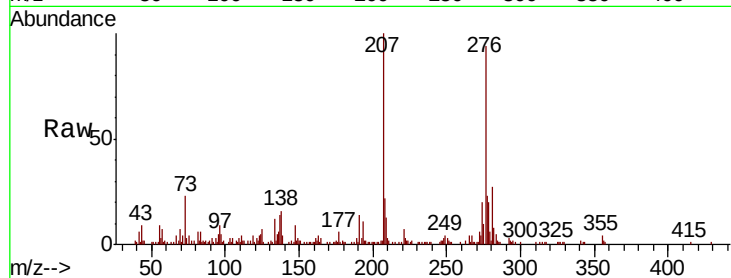
Tot Ion:276 Resp: 70152

Ion Ratio Lower Upper

276 100

138 16.5 15.5 23.3

277 24.5 20.0 30.0

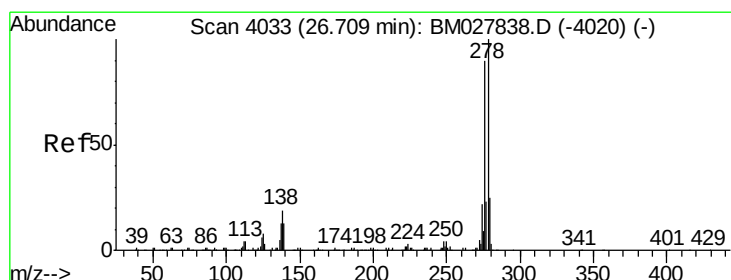
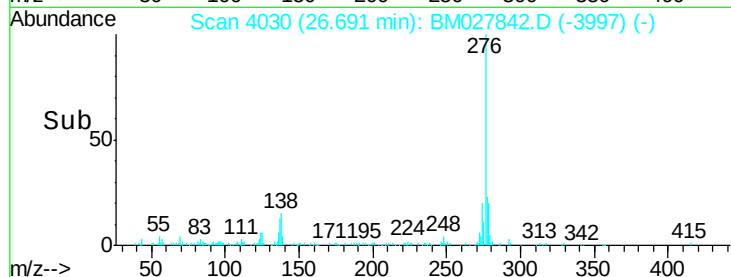


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



#93

Dibenzo(a,h)anthracene

Concen: 2.261 ng/ul

RT: 26.70 min Scan# 4031

Delta R.T. -0.01 min

Lab File: BM027842.D

Acq: 19 Nov 2020 13:47

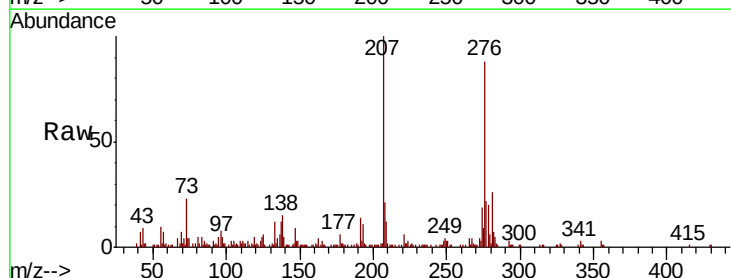
Tgt Ion:278 Resp: 20008

Ion Ratio Lower Upper

278 100

139 23.7 9.5 14.3#

279 27.3 18.3 27.5

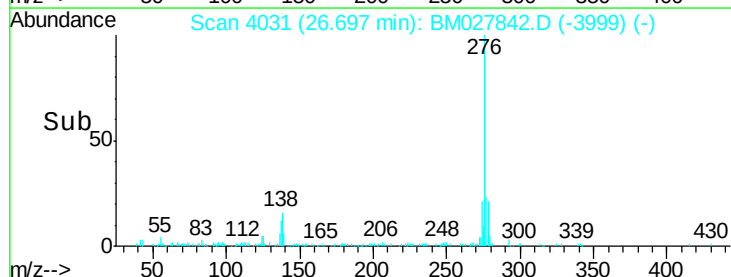


Abundance Ion 278.00 (277.70 to 278.70): E

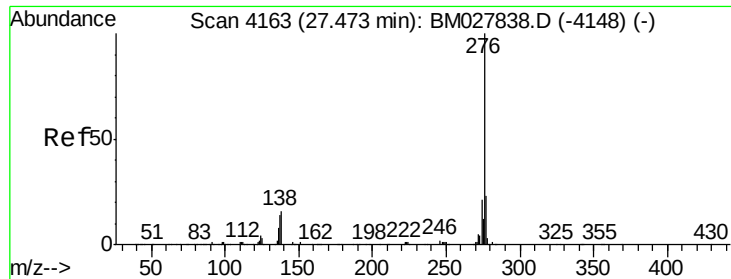
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->







#94  
 Benzo(a,h,i)perylene  
 Concen: 7.206 ng/ul  
 RT: 27.47 min Scan# 4162  
 Delta R.T. -0.01 min  
 Lab File: BM027842.D  
 Acq: 19 Nov 2020 13:47

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.2  | 11.0  | 16.6# |
| 277     | 23.3  | 19.0  | 28.4  |

