

Data File : BM021904.D  
Acq On : 07 Aug 2019 20:06  
Operator : HP/JU  
Sample : K3893-10DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP14DL

Quant Time: Aug 08 04:42:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 08 04:39:13 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 931      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.41 | 136  | 4015     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.28 | 164  | 2283     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.04 | 188  | 5142     | 0.40 | ng/ul | -0.01    |
| 16) Chrysene-d12          | 21.24 | 240  | 5047     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.45 | 264  | 6933     | 0.40 | ng/ul | 0.00     |

|                             |       |     |     |      |       |      |
|-----------------------------|-------|-----|-----|------|-------|------|
| System Monitoring Compounds |       |     |     |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152 | 345 | 0.05 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 19.07 | 212 | 903 | 0.05 | ng/ul | 0.00 |

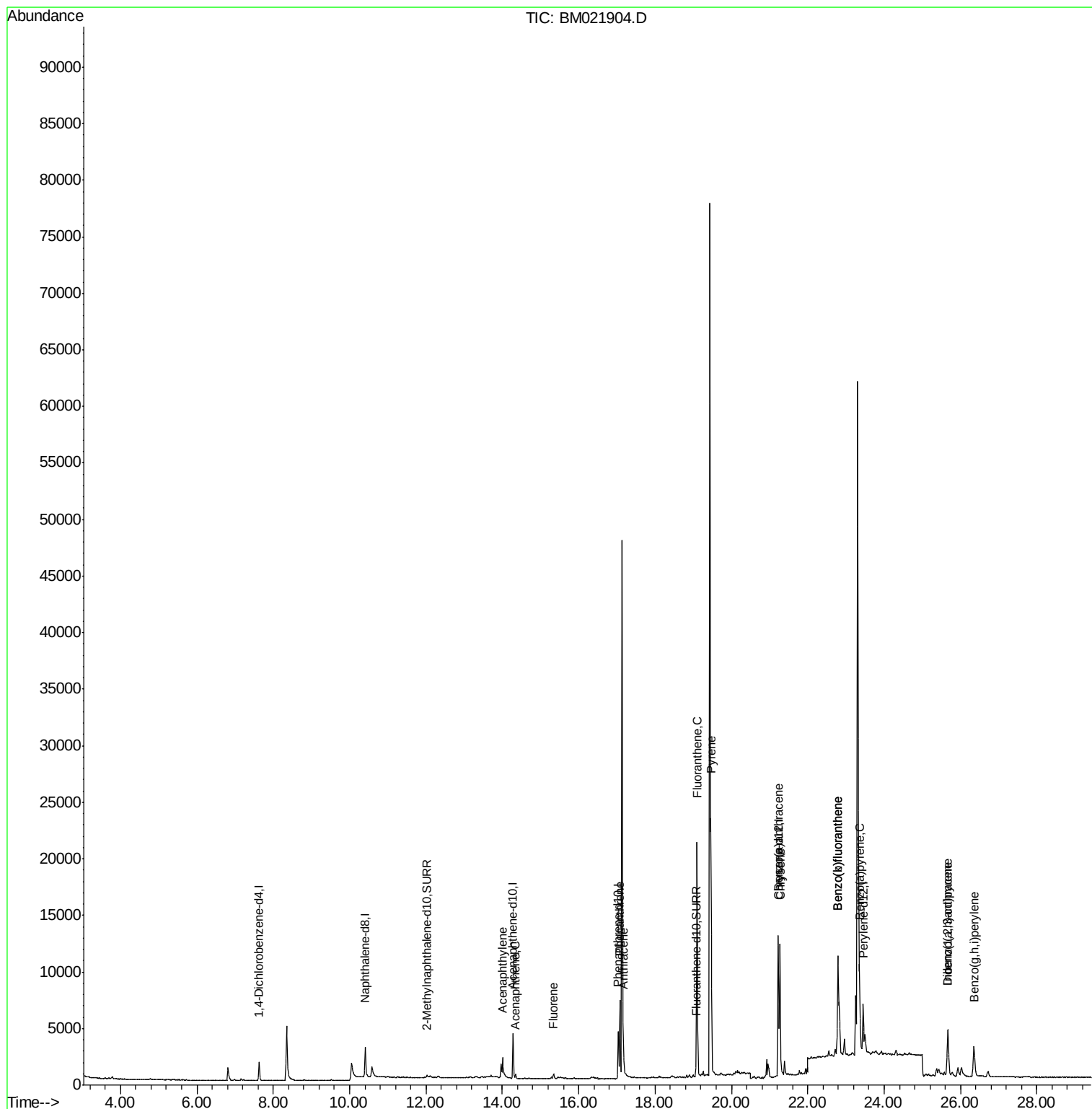
|                            |       |     |       |        |        |     |
|----------------------------|-------|-----|-------|--------|--------|-----|
| Target Compounds           |       |     |       | Qvalue |        |     |
| 7) Acenaphthylene          | 14.00 | 152 | 689   | 0.065  | ng/ul# | 77  |
| 8) Acenaphthene            | 14.34 | 153 | 250   | 0.029  | ng/ul# | 92  |
| 9) Fluorene                | 15.34 | 166 | 337   | 0.035  | ng/ul# | 94  |
| 12) Phenanthrene           | 17.08 | 178 | 7584  | 0.507  | ng/ul  | 98  |
| 13) Anthracene             | 17.17 | 178 | 1586  | 0.124  | ng/ul# | 90  |
| 15) Fluoranthene           | 19.10 | 202 | 19399 | 0.968  | ng/ul  | 98  |
| 17) Pyrene                 | 19.47 | 202 | 19105 | 0.921  | ng/ul  | 100 |
| 18) Benzo(a)anthracene     | 21.22 | 228 | 9846  | 0.545  | ng/ul  | 98  |
| 19) Chrysene               | 21.27 | 228 | 11939 | 0.514  | ng/ul  | 98  |
| 21) Benzo(b)fluoranthene   | 22.79 | 252 | 20221 | 0.865  | ng/ul  | 91  |
| 22) Benzo(k)fluoranthene   | 22.79 | 252 | 20221 | 0.764  | ng/ul  | 91  |
| 23) Benzo(a)pyrene         | 23.35 | 252 | 9423  | 0.396  | ng/ul# | 87  |
| 24) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 6925  | 0.244  | ng/ul# | 95  |
| 25) Dibenzo(a,h)anthracene | 25.67 | 278 | 1707  | 0.074  | ng/ul# | 68  |
| 26) Benzo(g,h,i)perylene   | 26.35 | 276 | 5719  | 0.224  | ng/ul  | 96  |

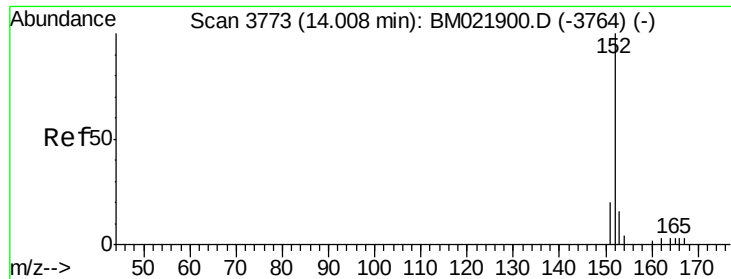
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.065 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

Instrument :

BNA\_M

ClientSampleId :

BEP14DL

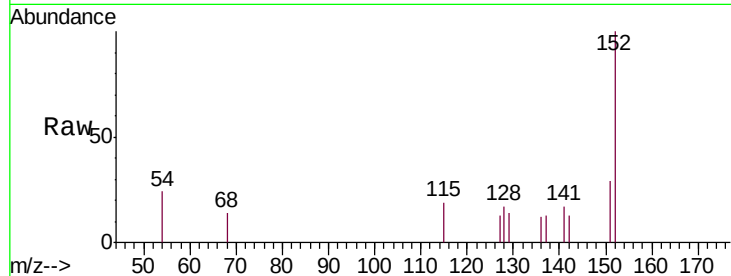
Tgt Ion:152 Resp: 689

Ion Ratio Lower Upper

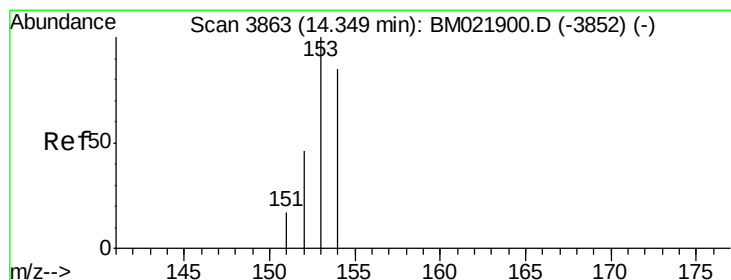
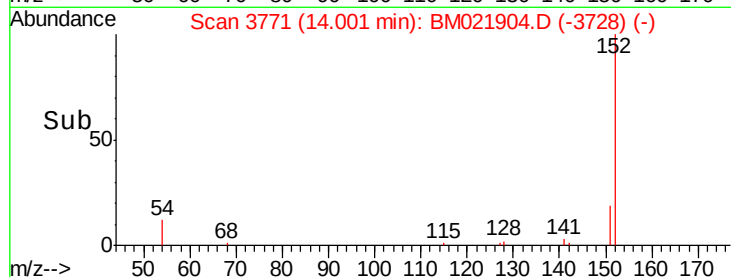
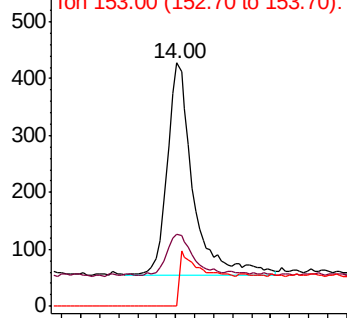
152 100

151 29.4 18.3 27.5#

153 0.0 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.029 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

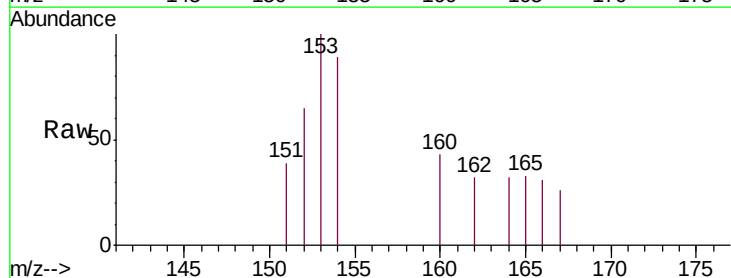
Tgt Ion:153 Resp: 250

Ion Ratio Lower Upper

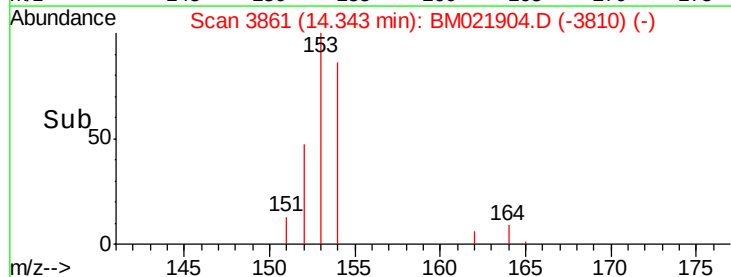
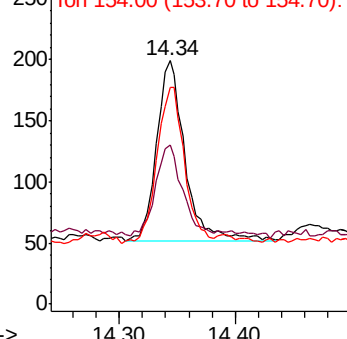
153 100

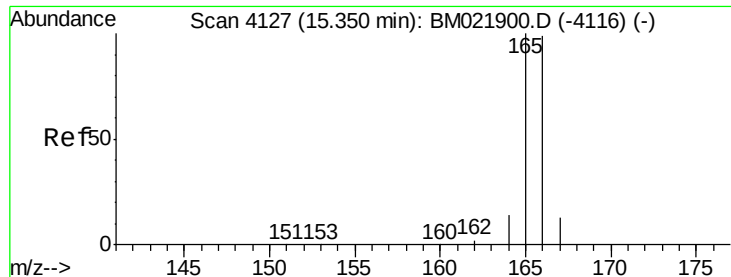
152 65.3 41.3 61.9#

154 88.9 72.3 108.5



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.035 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

Instrument :

BNA\_M

ClientSampleId :

BEP14DL

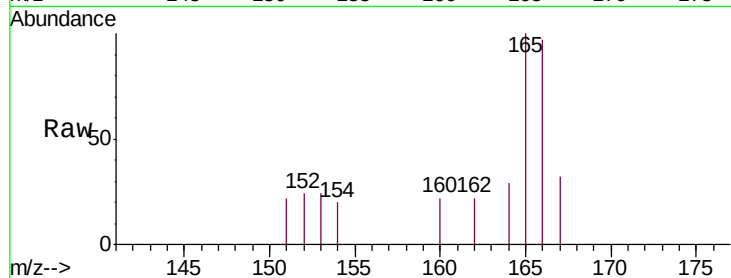
Tgt Ion:166 Resp: 337

Ion Ratio Lower Upper

166 100

165 102.8 81.4 122.0

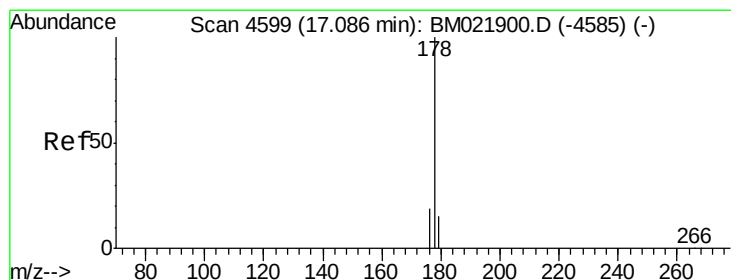
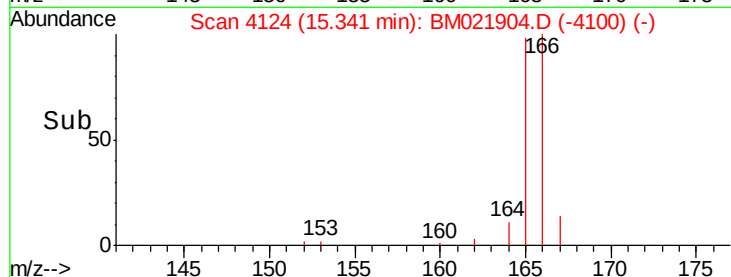
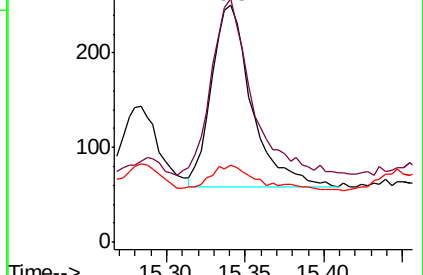
167 32.4 13.7 20.5#



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



#12

Phenanthrene

Concen: 0.507 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

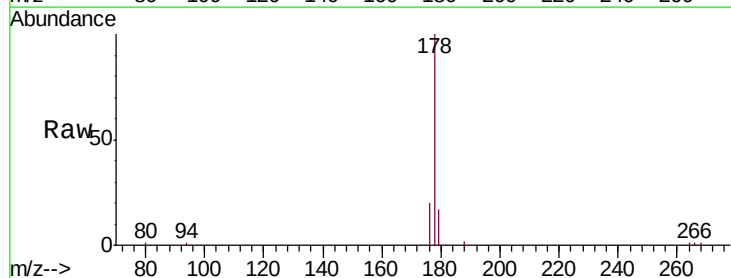
Tgt Ion:178 Resp: 7584

Ion Ratio Lower Upper

178 100

179 16.5 14.2 21.2

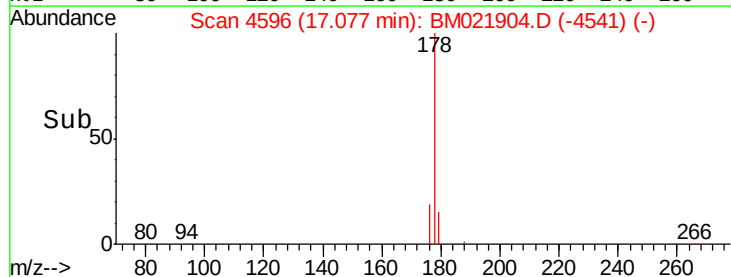
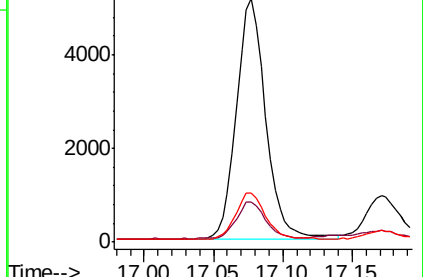
176 20.1 16.8 25.2

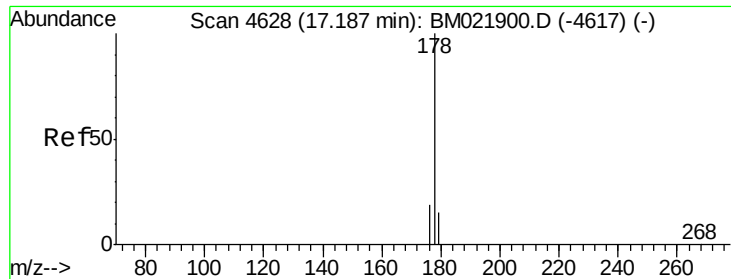


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.124 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. -0.02 min

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Acq: 07 Aug 2019 20:06

Instrument :

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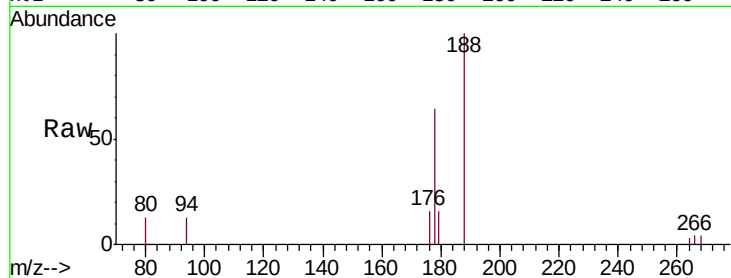
Tgt Ion:178 Resp: 1586

Ion Ratio Lower Upper

178 100

179 24.7 15.5 23.3#

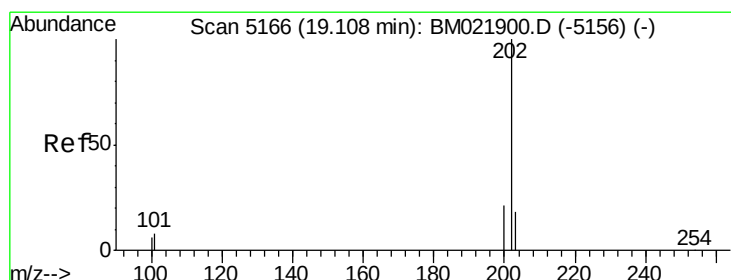
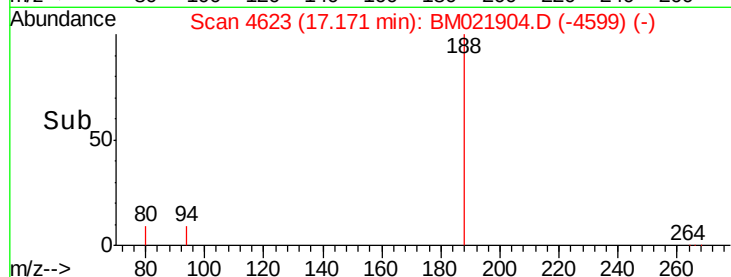
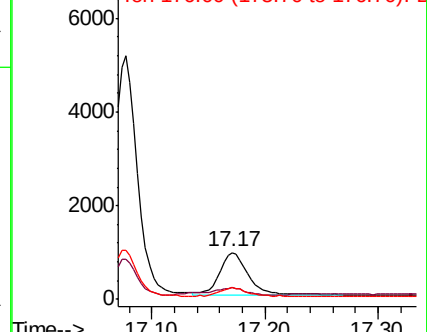
176 24.6 16.6 25.0



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



#15

Fluoranthene

Concen: 0.968 ng/ul

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

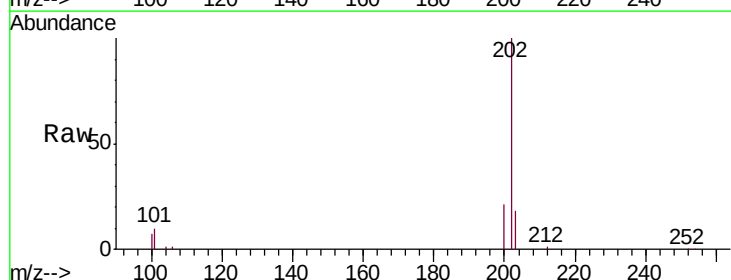
Tgt Ion:202 Resp: 19399

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

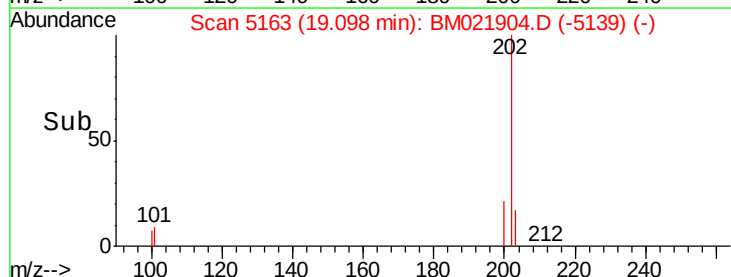
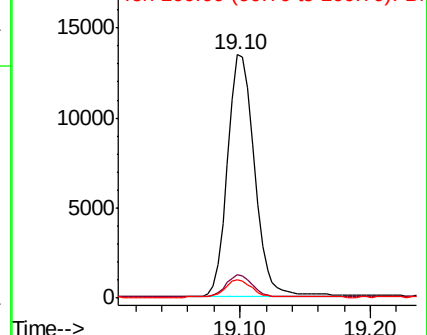
100 7.5 0.0 28.1

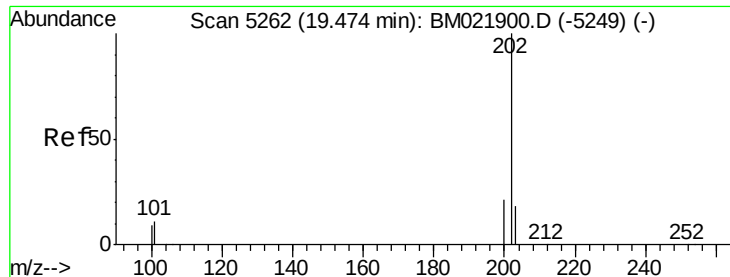


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

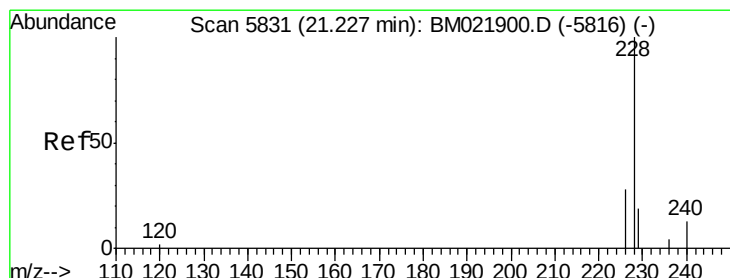
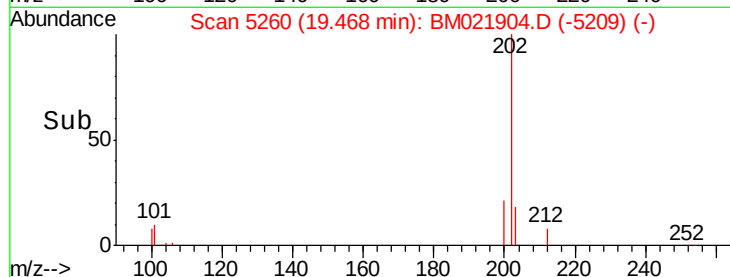
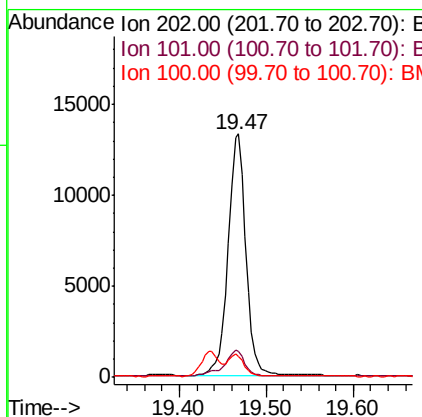
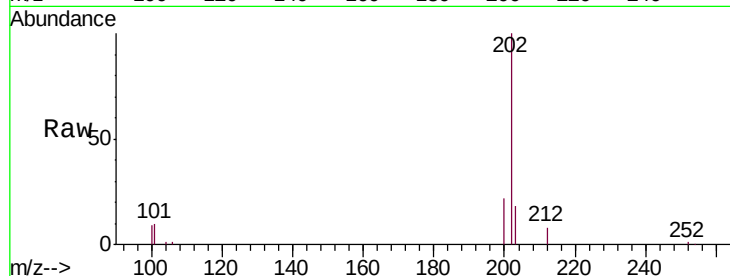




#17  
 Pyrene  
 Concen: 0.921 ng/ul  
 RT: 19.47 min Scan# 5260  
 Delta R.T. -0.01 min  
 Lab File: BM021904.D  
 Acq: 07 Aug 2019 20:06

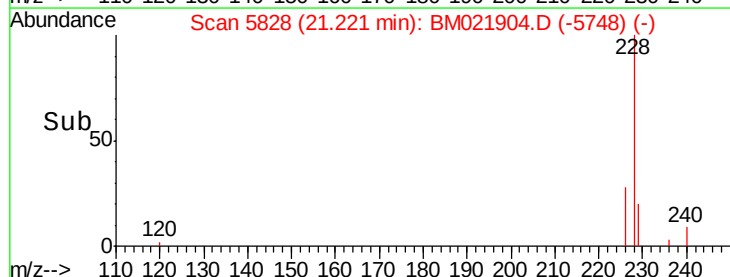
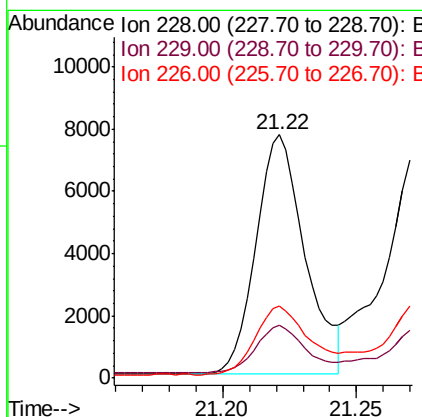
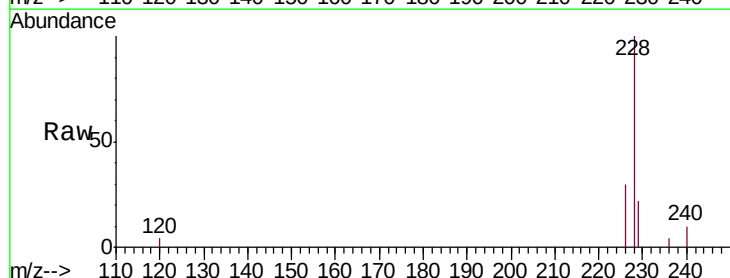
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP14DL

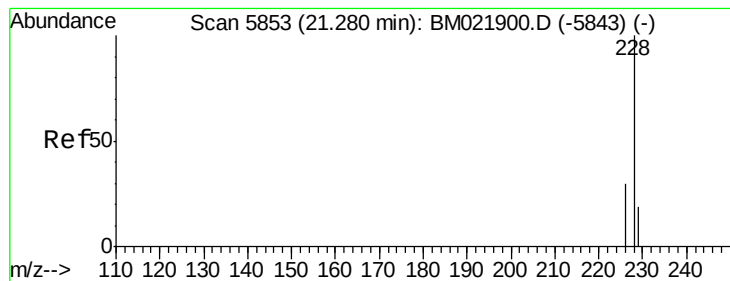
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.5  | 8.3   | 12.5  |
| 100     | 8.7   | 7.2   | 10.8  |



#18  
 Benzo(a)anthracene  
 Concen: 0.545 ng/ul  
 RT: 21.22 min Scan# 5828  
 Delta R.T. -0.01 min  
 Lab File: BM021904.D  
 Acq: 07 Aug 2019 20:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.7  | 17.2  | 25.8  |
| 226     | 29.6  | 22.6  | 34.0  |





#19

Chrysene

Concen: 0.514 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

Instrument :

BNA\_M

ClientSampleId :

BEP14DL

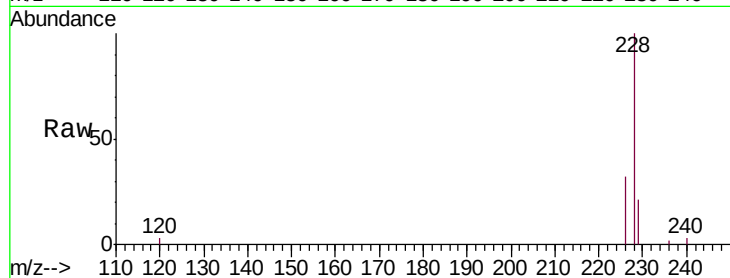
Tgt Ion:228 Resp: 11939

Ion Ratio Lower Upper

228 100

226 32.2 24.9 37.3

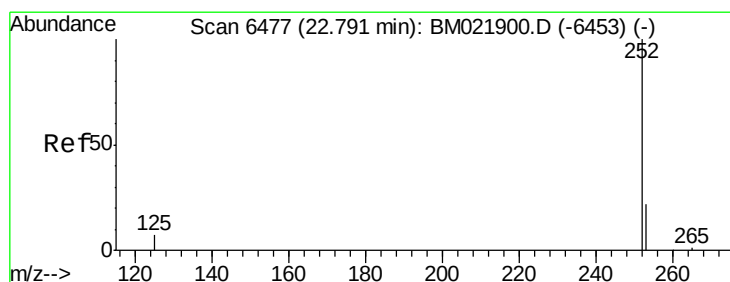
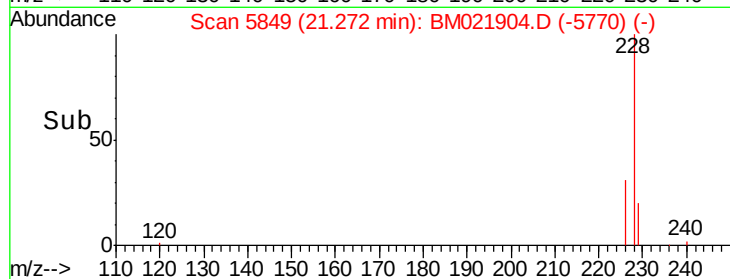
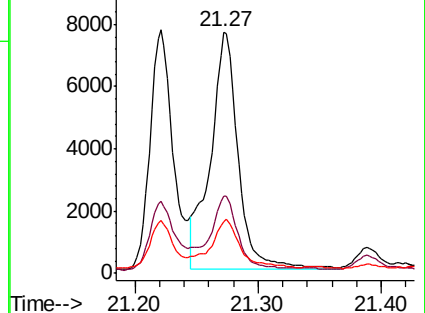
229 21.4 16.6 25.0



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



#21

Benzo(b)fluoranthene

Concen: 0.865 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

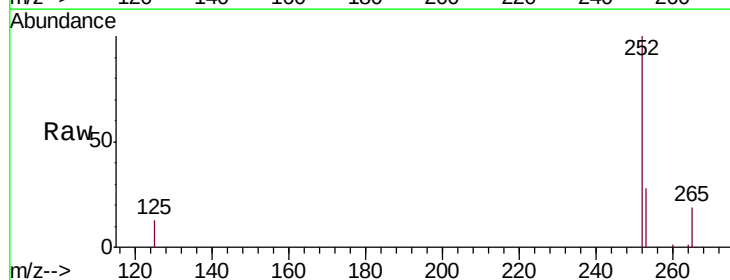
Tgt Ion:252 Resp: 20221

Ion Ratio Lower Upper

252 100

253 28.2 0.0 67.4

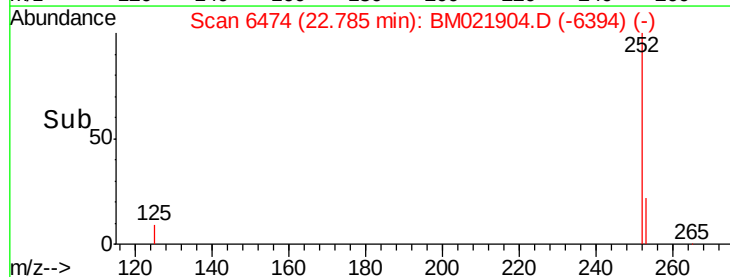
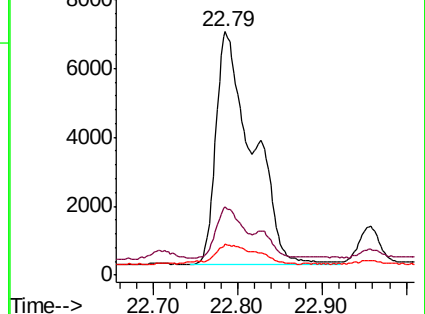
125 12.6 0.0 31.0

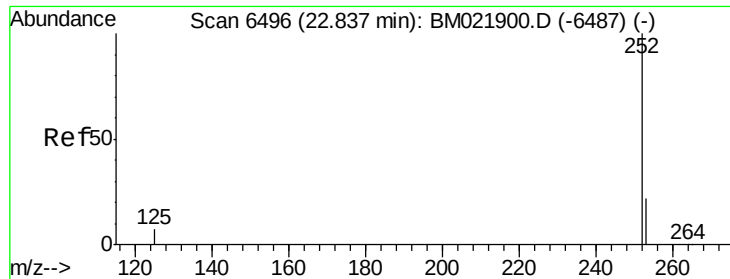


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.764 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.05 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

Instrument :

BNA\_M

ClientSampleId :

BEP14DL

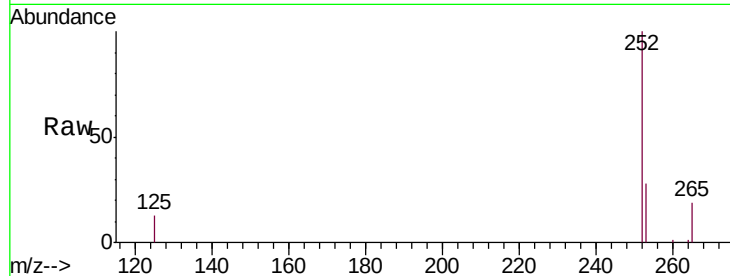
Tgt Ion:252 Resp: 20221

Ion Ratio Lower Upper

252 100

253 28.2 27.0 40.4

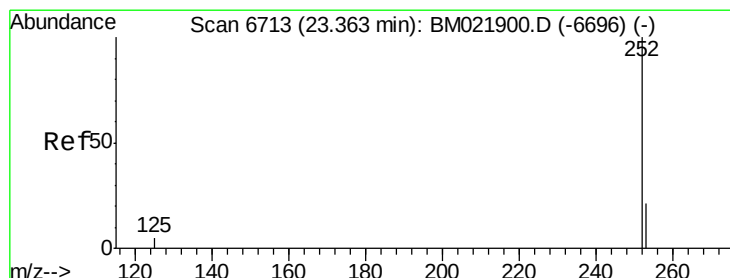
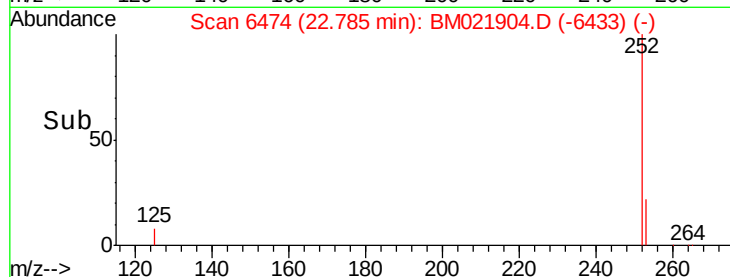
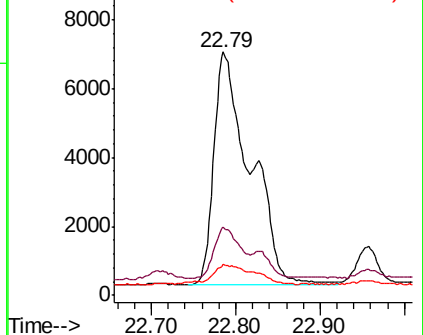
125 12.6 12.2 18.2



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



#23

Benzo(a)pyrene

Concen: 0.396 ng/ul

RT: 23.35 min Scan# 6709

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

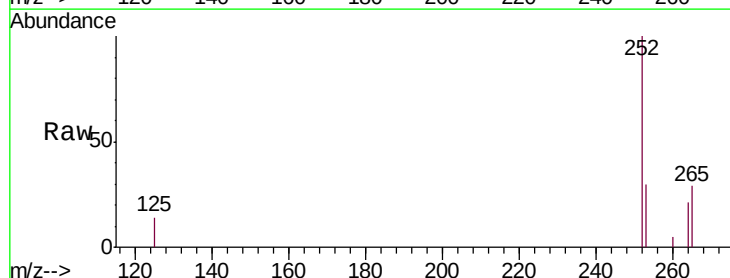
Tgt Ion:252 Resp: 9423

Ion Ratio Lower Upper

252 100

253 29.9 31.7 47.5#

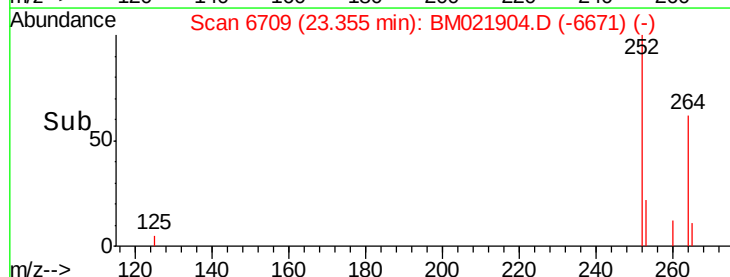
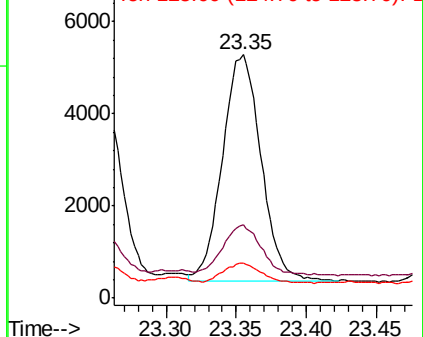
125 14.5 14.6 21.8#



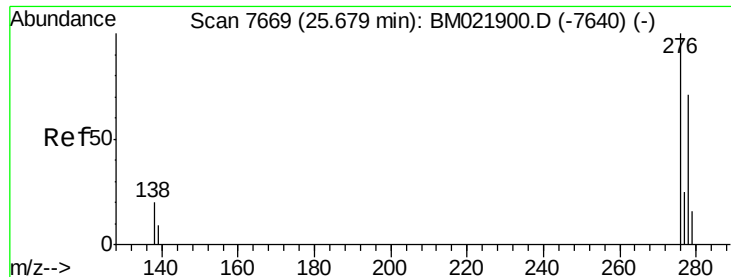
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





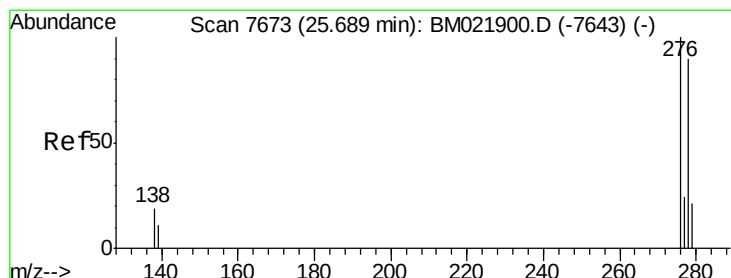
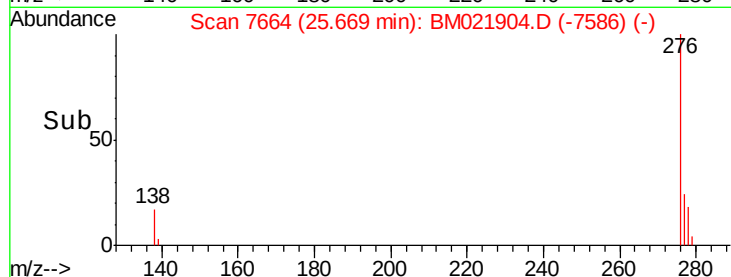
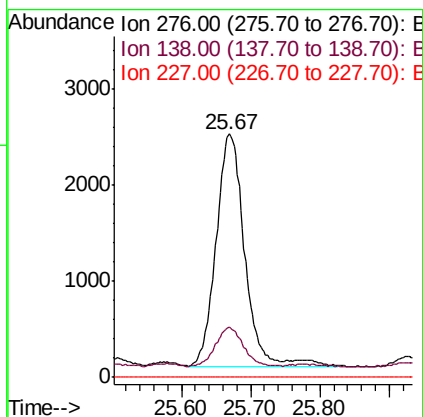
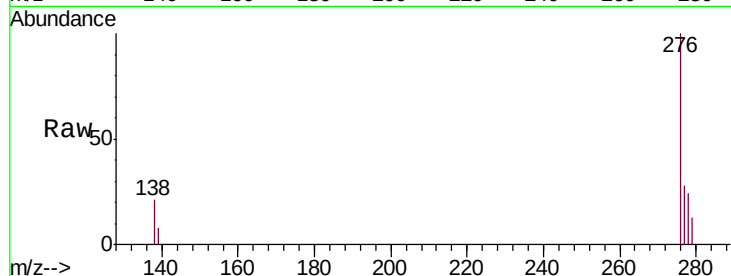


#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.244 ng/ul  
RT: 25.67 min Scan# 7664  
Delta R.T. -0.01 min  
Lab File: BM021904.D  
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Instrument :  
BNA\_M  
ClientSampleId :  
BEP14DL

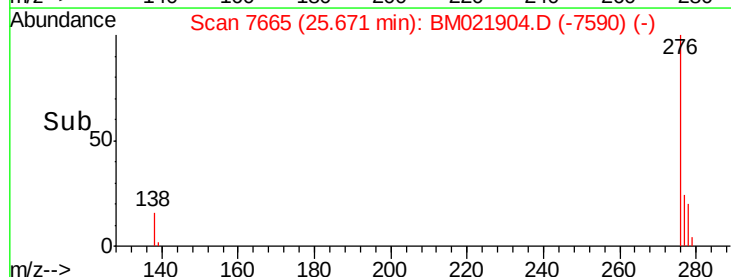
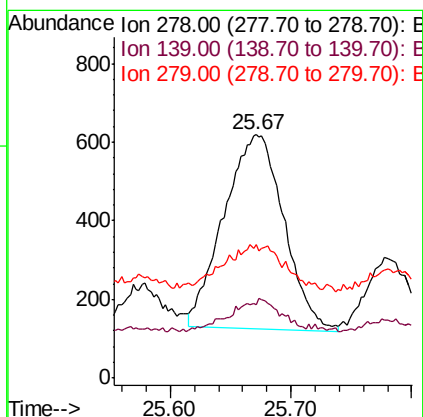
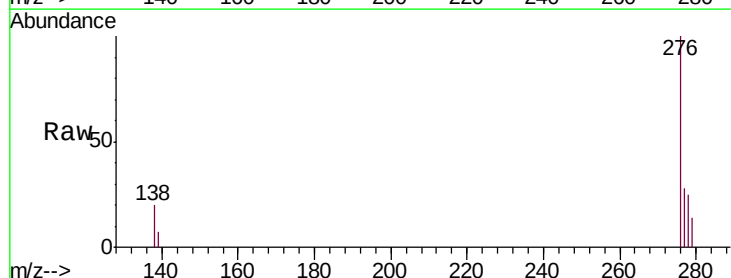
Tgt Ion: 276 Resp: 6925  
Ion Ratio Lower Upper  
276 100  
138 16.5 15.1 22.7  
227 0.0 0.0 0.0

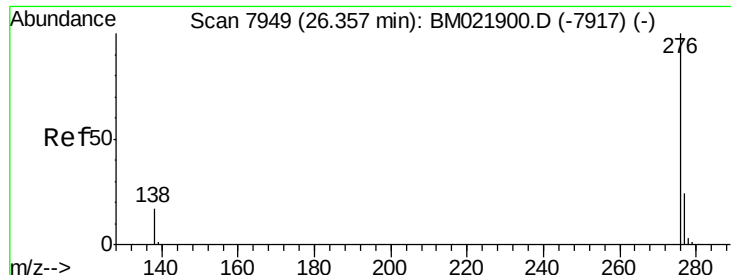


#25

Dibenzo(a,h)anthracene  
Concen: 0.074 ng/ul  
RT: 25.67 min Scan# 7665  
Delta R.T. -0.02 min  
Lab File: BM021904.D  
Acq: 07 Aug 2019 20:06

Tgt Ion: 278 Resp: 1707  
Ion Ratio Lower Upper  
278 100  
139 30.2 14.2 21.2#  
279 54.9 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.224 ng/ul

RT: 26.35 min Scan# 7945

Delta R.T. -0.01 min

Lab File: BM021904.D

Acq: 07 Aug 2019 20:06

Instrument :

BNA\_M

ClientSampleId :

BEP14DL

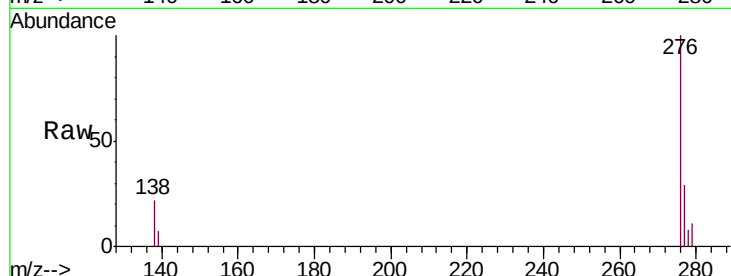
Tgt Ion: 276 Resp: 5719

Ion Ratio Lower Upper

276 100

138 21.9 15.5 23.3

277 28.6 21.4 32.2



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

