

Data File : BM021877.D  
Acq On : 07 Aug 2019 02:35  
Operator : HP/JU  
Sample : K3893-16  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP20

Quant Time: Aug 07 04:06:43 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 : Wed Aug 07 04:02:33 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 984      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.41 | 136  | 4183     | 0.40 | ng/ul | -0.02    |
| 6) Acenaphthene-d10       | 14.28 | 164  | 2295     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.13 | 188  | 192900   | 0.40 | ng/ul | 0.08     |
| 16) Chrysene-d12          | 0.00  | 240  | 0        | 0.00 | ng/ul | -21.25   |
| 20) Perylene-d12          | 23.45 | 264  | 7707     | 0.40 | ng/ul | -0.01    |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152 | 1004 | 0.15 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 0.00  | 212 | 0    | 0.00 | ng/ul |      |

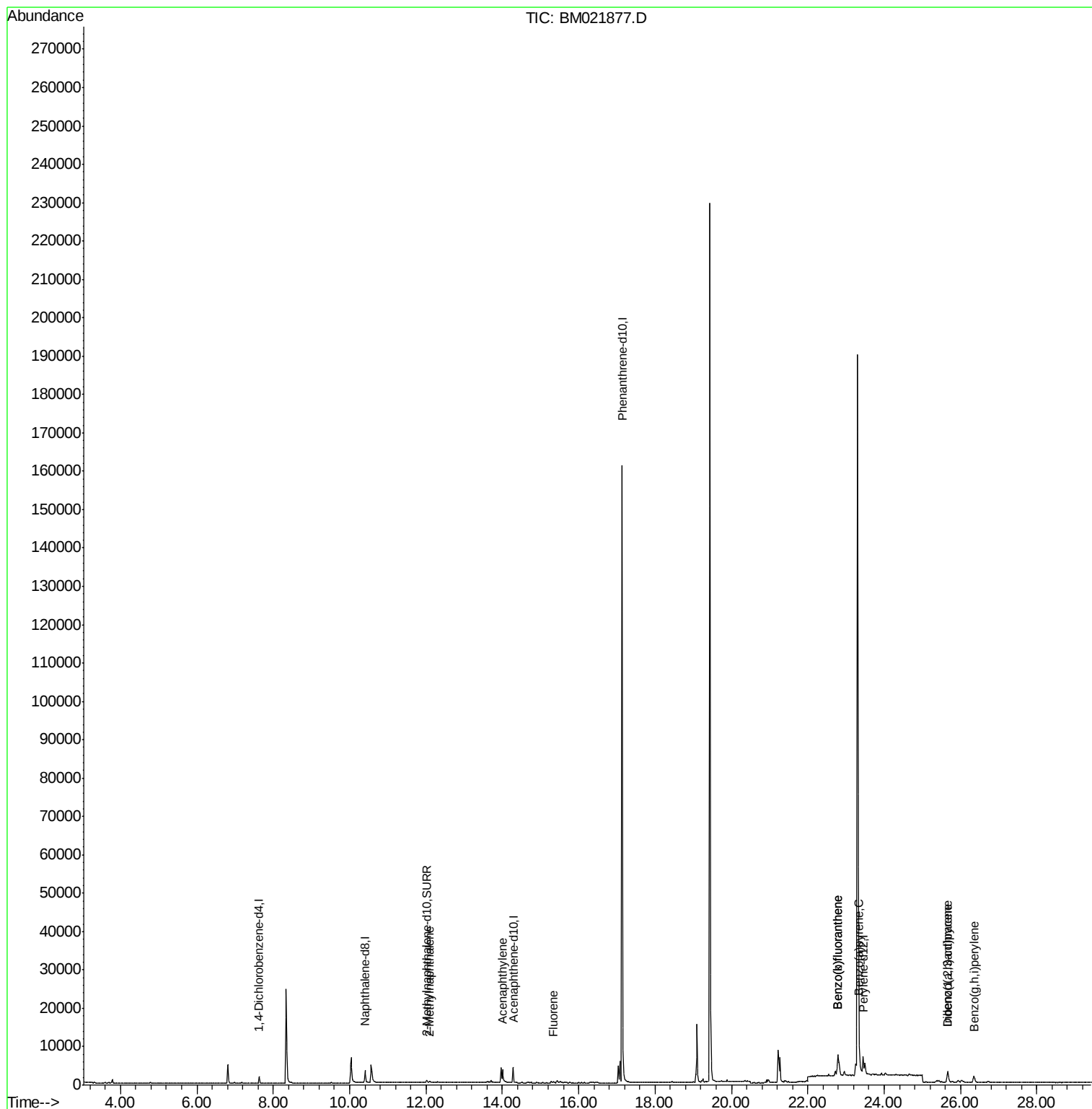
|                            |       |     |       |        |        |    |
|----------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds           |       |     |       | Qvalue |        |    |
| 5) 2-Methylnaphthalene     | 12.10 | 142 | 256   | 0.033  | ng/ul  | 89 |
| 7) Acenaphthylene          | 14.00 | 152 | 1599  | 0.149  | ng/ul  | 98 |
| 9) Fluorene                | 15.34 | 166 | 255   | 0.026  | ng/ul# | 93 |
| 21) Benzo(b)fluoranthene   | 22.78 | 252 | 13341 | 0.513  | ng/ul  | 96 |
| 22) Benzo(k)fluoranthene   | 22.78 | 252 | 13408 | 0.456  | ng/ul  | 96 |
| 23) Benzo(a)pyrene         | 23.35 | 252 | 5528  | 0.209  | ng/ul  | 93 |
| 24) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 4650  | 0.147  | ng/ul# | 96 |
| 25) Dibenzo(a,h)anthracene | 25.67 | 278 | 1255  | 0.049  | ng/ul# | 44 |
| 26) Benzo(g,h,i)perylene   | 26.35 | 276 | 3547  | 0.125  | ng/ul# | 93 |

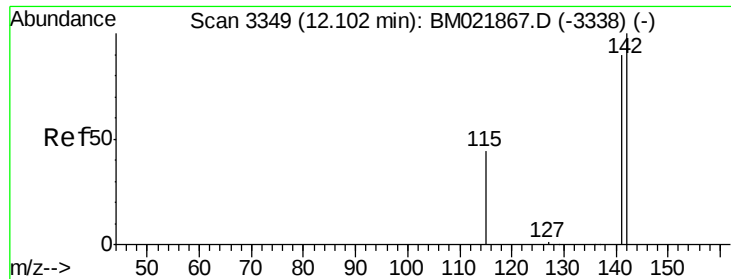
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.033 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.00 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA\_M

ClientSampleId :

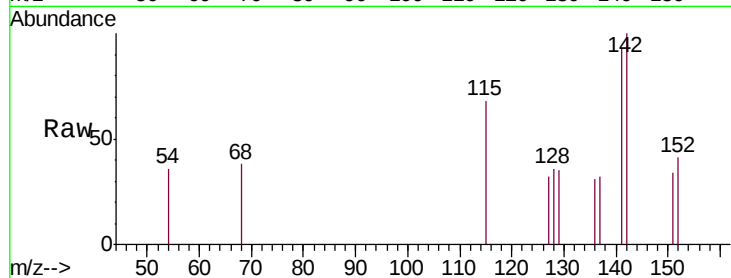
BEP20

Tgt Ion:142 Resp: 256

Ion Ratio Lower Upper

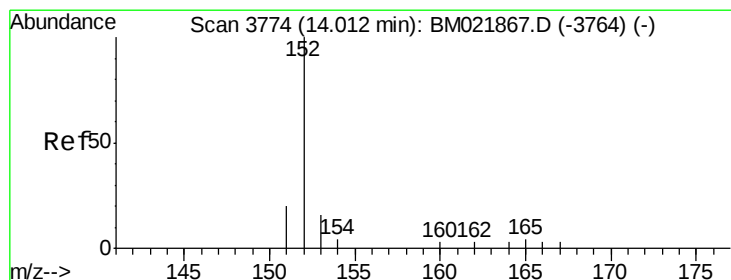
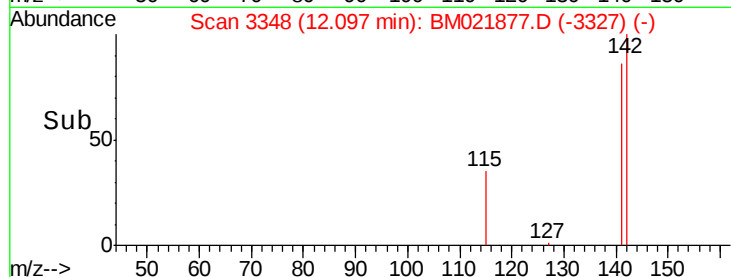
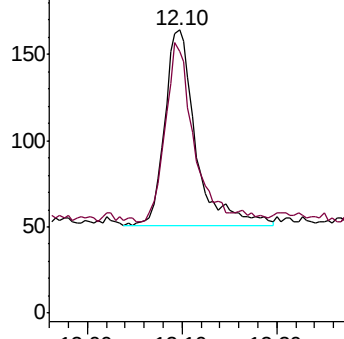
142 100

141 82.8 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#7

Acenaphthylene

Concen: 0.149 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

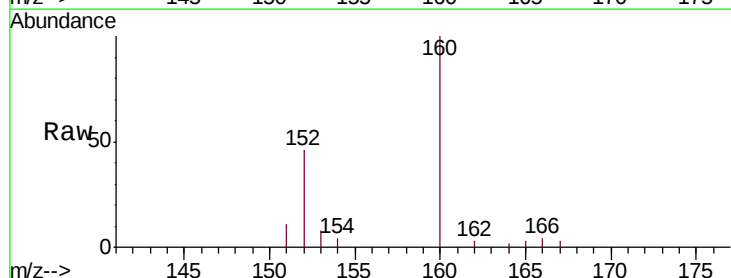
Tgt Ion:152 Resp: 1599

Ion Ratio Lower Upper

152 100

151 23.6 18.3 27.5

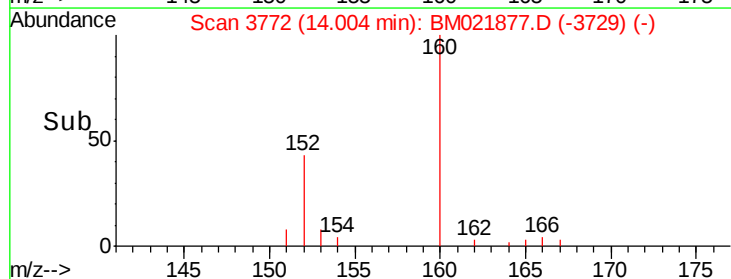
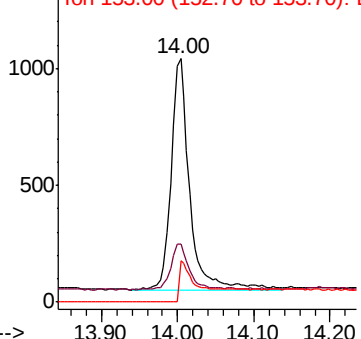
153 17.2 12.8 19.2

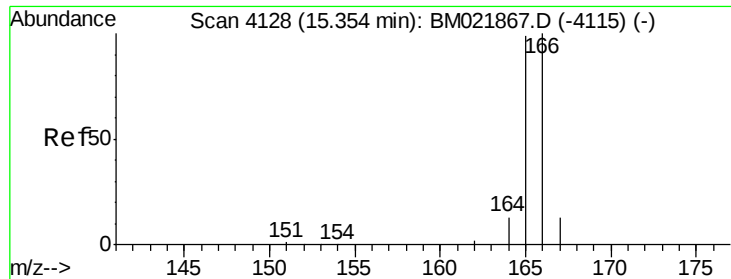


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA\_M

ClientSampleId :

BEP20

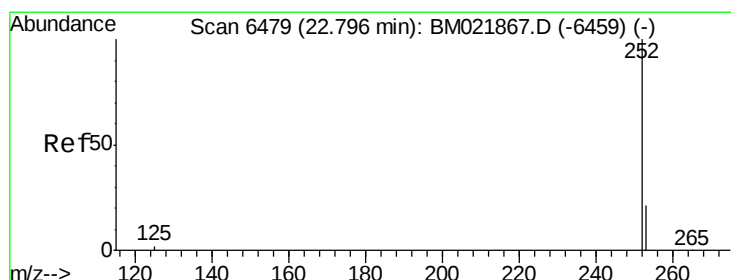
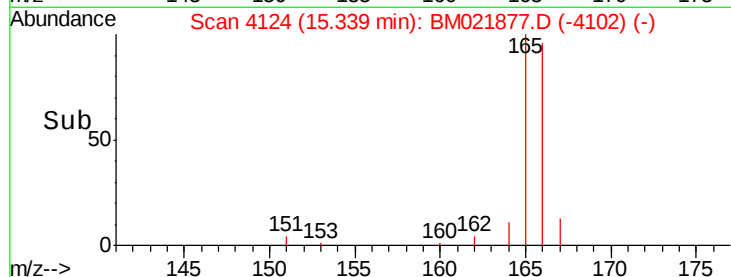
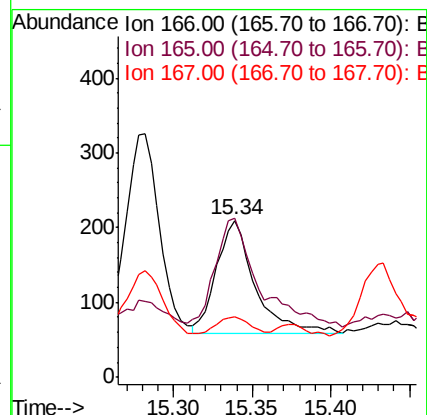
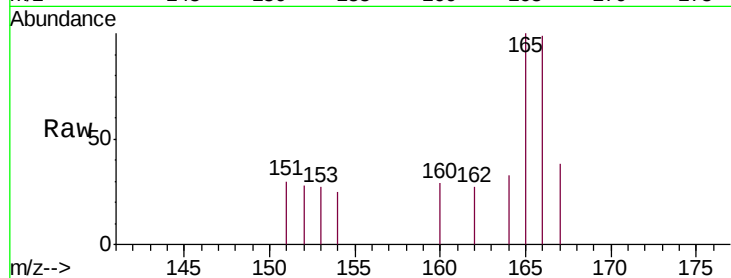
Tgt Ion:166 Resp: 255

Ion Ratio Lower Upper

166 100

165 101.4 81.4 122.0

167 38.1 13.7 20.5#



#21

Benzo(b)fluoranthene

Concen: 0.513 ng/ul

RT: 22.78 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

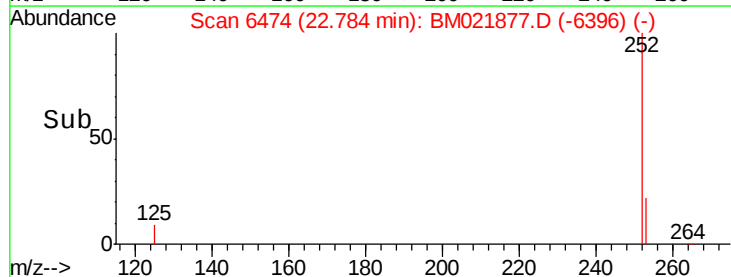
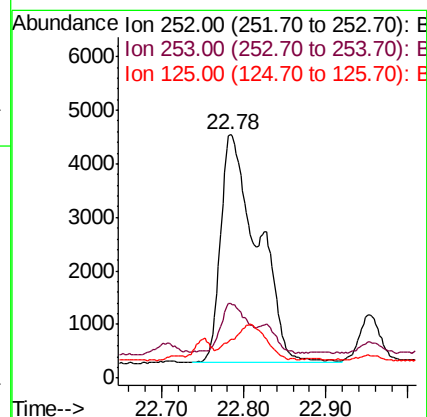
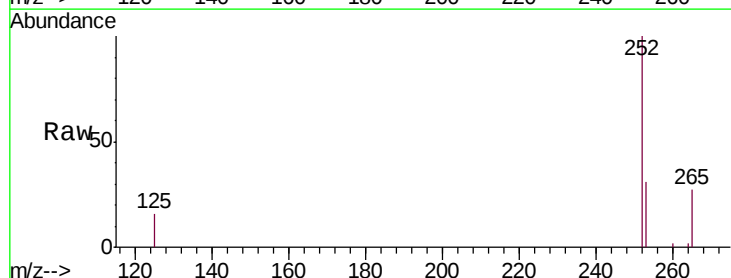
Tgt Ion:252 Resp: 13341

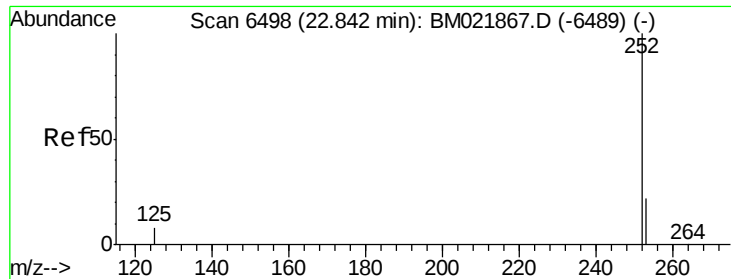
Ion Ratio Lower Upper

252 100

253 30.7 0.0 67.4

125 15.7 0.0 31.0





#22

Benzo(k)fluoranthene

Concen: 0.456 ng/ul

RT: 22.78 min Scan# 6474

Delta R.T. -0.06 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

Instrument :

BNA\_M

ClientSampleId :

BEP20

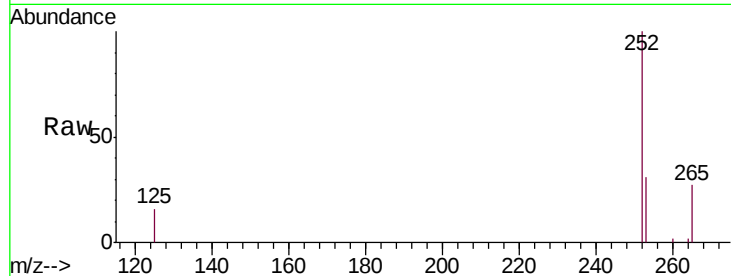
Tgt Ion:252 Resp: 13408

Ion Ratio Lower Upper

252 100

253 30.7 27.0 40.4

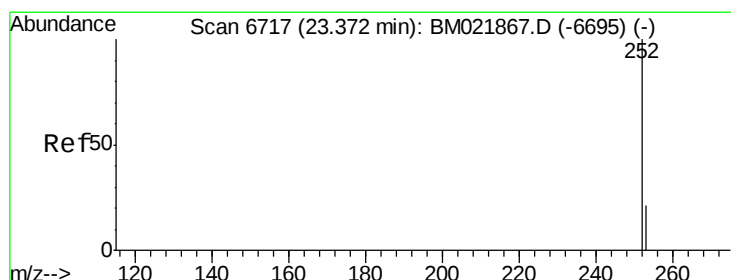
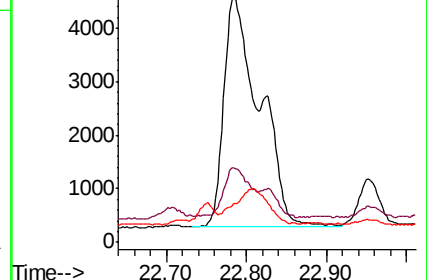
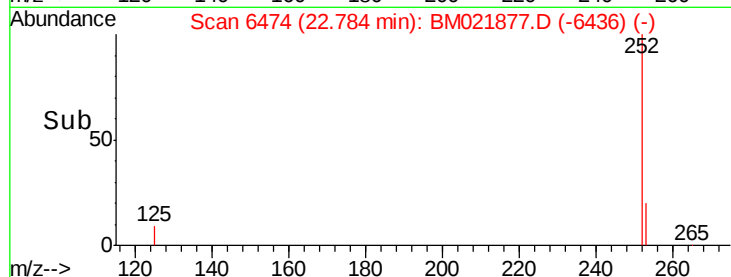
125 15.7 12.2 18.2



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: 0.209 ng/ul

RT: 23.35 min Scan# 6708

Delta R.T. -0.02 min

Lab File: BM021877.D

Acq: 07 Aug 2019 02:35

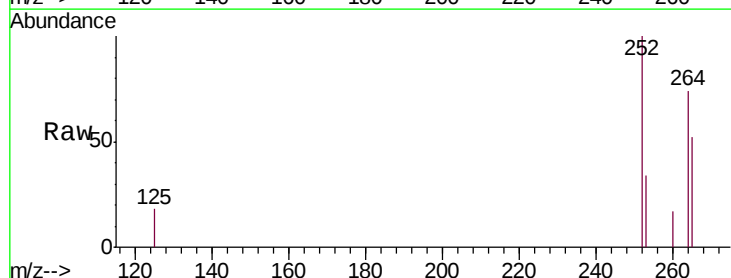
Tgt Ion:252 Resp: 5528

Ion Ratio Lower Upper

252 100

253 33.8 31.7 47.5

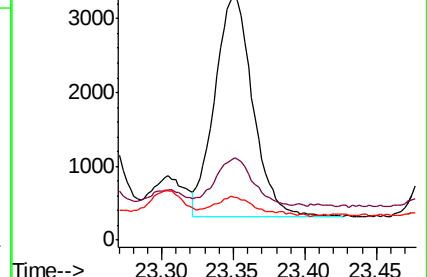
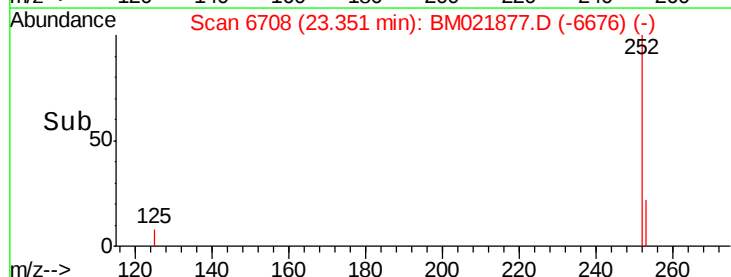
125 17.6 14.6 21.8

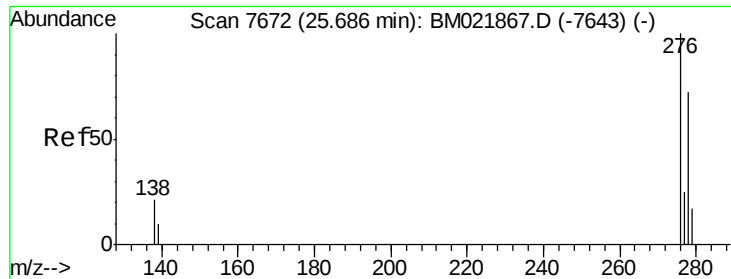


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



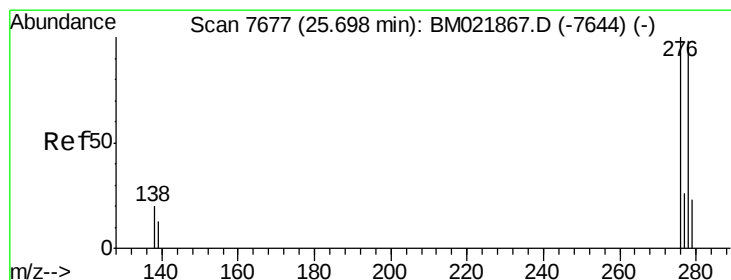
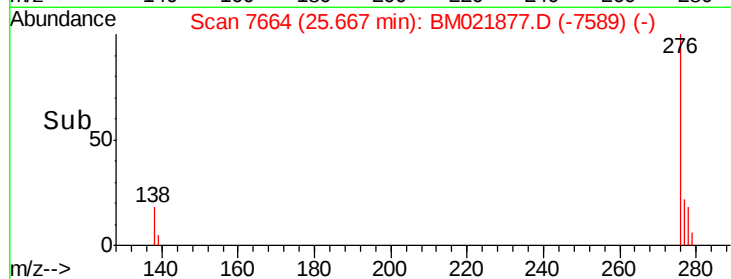
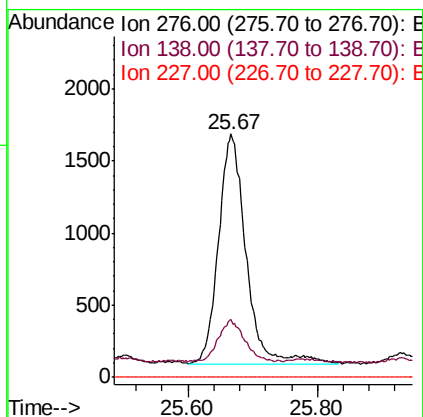
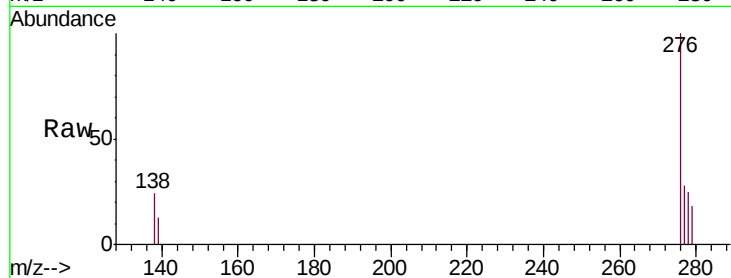


#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.147 ng/u1  
RT: 25.67 min Scan# 7664  
Delta R.T. -0.02 min  
Lab File: BM021877.D  
Acq: 07 Aug 2019 02:35

Instrument :  
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ClientSampleId :  
BEP20

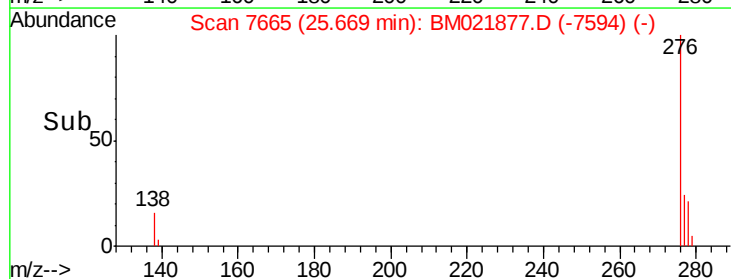
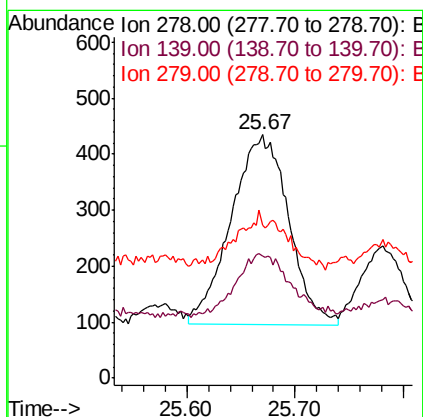
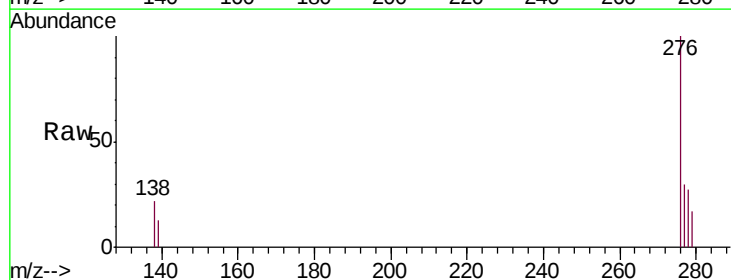
Tgt Ion:276 Resp: 4650  
Ion Ratio Lower Upper  
276 100  
138 16.9 15.1 22.7  
227 0.0 0.0 0.0

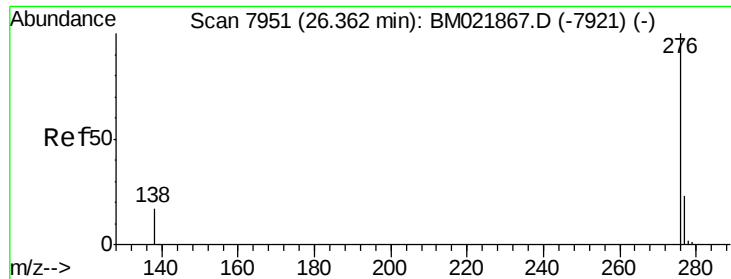


#25

Dibenzo(a,h)anthracene  
Concen: 0.049 ng/u1  
RT: 25.67 min Scan# 7665  
Delta R.T. -0.03 min  
Lab File: BM021877.D  
Acq: 07 Aug 2019 02:35

Tgt Ion:278 Resp: 1255  
Ion Ratio Lower Upper  
278 100  
139 50.3 14.2 21.2#  
279 62.5 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.125 ng/ul

RT: 26.35 min Scan# 7946

Delta R.T. -0.01 min

Lab File: BM021877.D

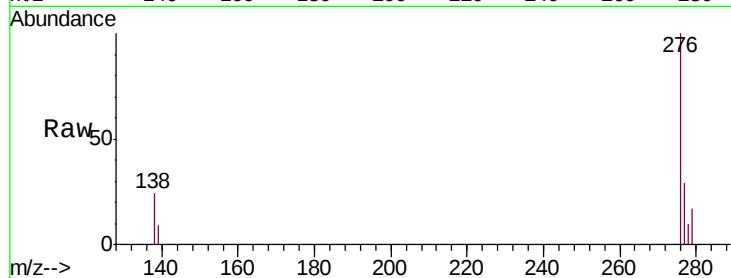
Acq: 07 Aug 2019 02:35

Instrument :

BNA\_M

ClientSampleId :

BEP20



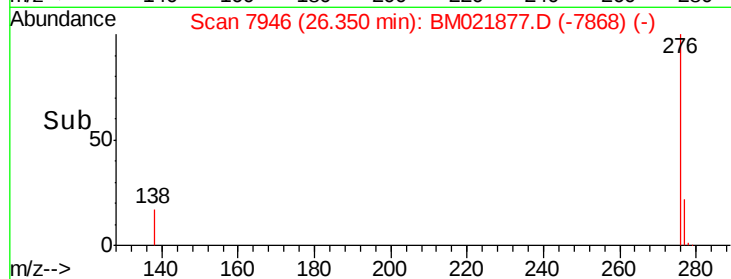
Tgt Ion: 276 Resp: 3547

Ion Ratio Lower Upper

276 100

138 23.6 15.5 23.3#

277 29.3 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

