

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\  
 Data File : BM027127.D  
 Acq On : 18 Aug 2020 15:31  
 Operator : JU/CG  
 Sample : L1955-09  
 Misc : MDL-W-02-0.07PPM  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-WATER-02

Quant Time: Aug 18 16:10:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 18 11:17:38 2020  
 Response via : Initial Calibration

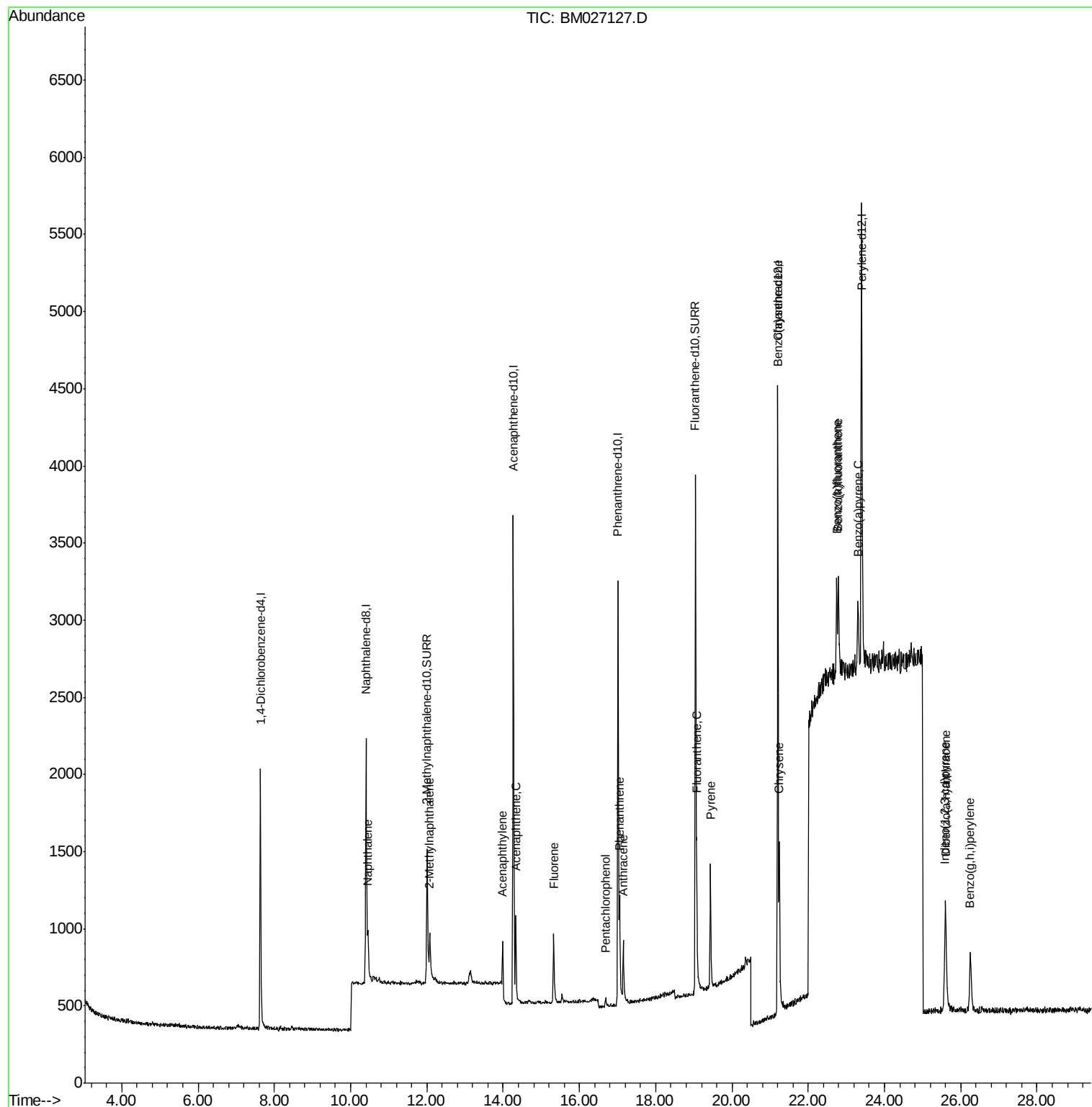
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 930      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.41 | 136  | 2883     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.27 | 164  | 1862     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.01 | 188  | 4245     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.21 | 240  | 4168     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.40 | 264  | 4153     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 1761     | 0.36   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.04 | 212  | 4597     | 0.38   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.45 | 128  | 398      | 0.046  | ng/ul# | 57       |
| 5) 2-Methylnaphthalene      | 12.08 | 142  | 267      | 0.045  | ng/ul  | 99       |
| 7) Acenaphthylene           | 13.99 | 152  | 356      | 0.044  | ng/ul# | 74       |
| 8) Acenaphthene             | 14.33 | 153  | 325      | 0.046  | ng/ul# | 92       |
| 9) Fluorene                 | 15.32 | 166  | 388      | 0.046  | ng/ul# | 94       |
| 11) Pentachlorophenol       | 16.68 | 266  | 62       | 0.044  | ng/ul# | 79       |
| 12) Phenanthrene            | 17.05 | 178  | 679      | 0.047  | ng/ul# | 79       |
| 13) Anthracene              | 17.14 | 178  | 545      | 0.042  | ng/ul# | 68       |
| 15) Fluoranthene            | 19.07 | 202  | 834      | 0.048  | ng/ul  | 75       |
| 17) Pyrene                  | 19.44 | 202  | 833      | 0.047  | ng/ul# | 82       |
| 18) Benzo(a)anthracene      | 21.19 | 228  | 786      | 0.047  | ng/ul# | 86       |
| 19) Chrysene                | 21.24 | 228  | 967      | 0.054  | ng/ul# | 86       |
| 21) Benzo(b)fluoranthene    | 22.74 | 252  | 912      | 0.051  | ng/ul# | 38       |
| 22) Benzo(k)fluoranthene    | 22.79 | 252  | 868      | 0.047  | ng/ul# | 41       |
| 23) Benzo(a)pyrene          | 23.30 | 252  | 860      | 0.053  | ng/ul# | 28       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.59 | 276  | 1029     | 0.046  | ng/ul# | 73       |
| 25) Dibenzo(a,h)anthracene  | 25.60 | 278  | 782      | 0.043  | ng/ul# | 41       |
| 26) Benzo(g,h,i)perylene    | 26.25 | 276  | 855      | 0.045  | ng/ul# | 71       |

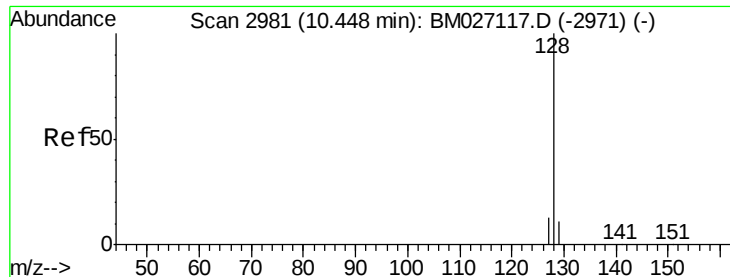
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.046 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

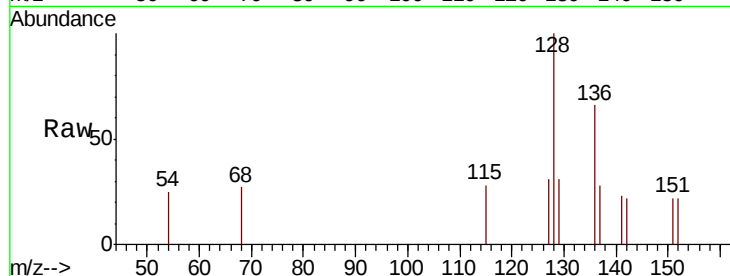
Tot Ion:128 Resp: 398

Ion Ratio Lower Upper

128 100

129 30.6 10.1 15.1#

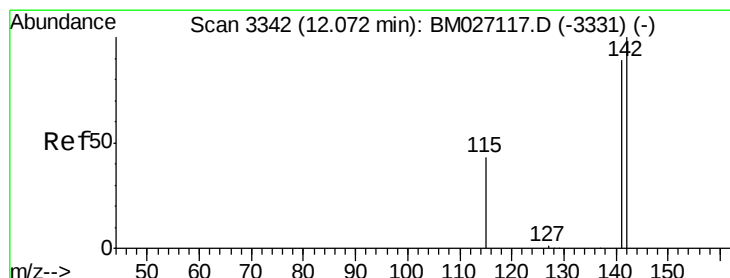
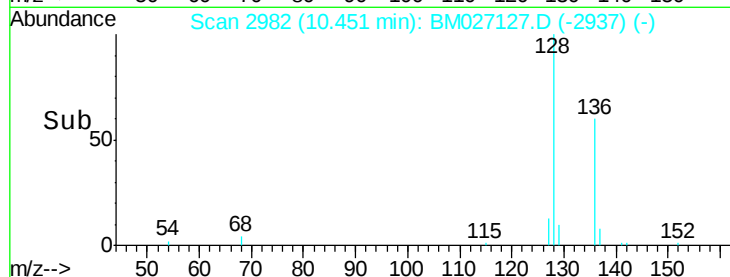
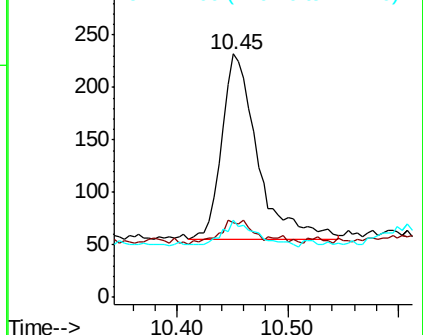
127 31.5 11.6 17.4#



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



#5

2-Methylnaphthalene

Concen: 0.045 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. 0.01 min

Lab File: BM027127.D

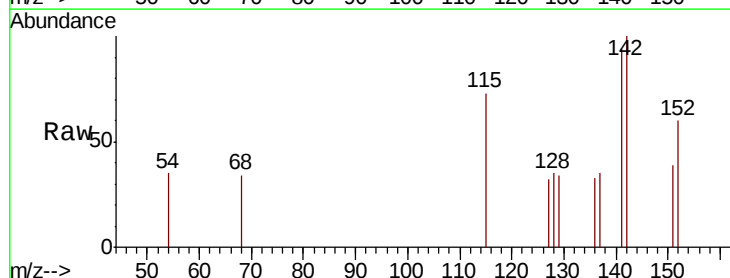
Acq: 18 Aug 2020 15:31

Tgt Ion:142 Resp: 267

Ion Ratio Lower Upper

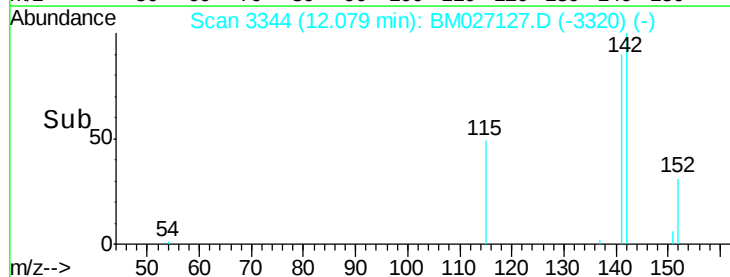
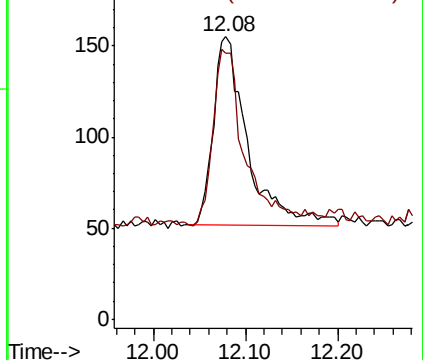
142 100

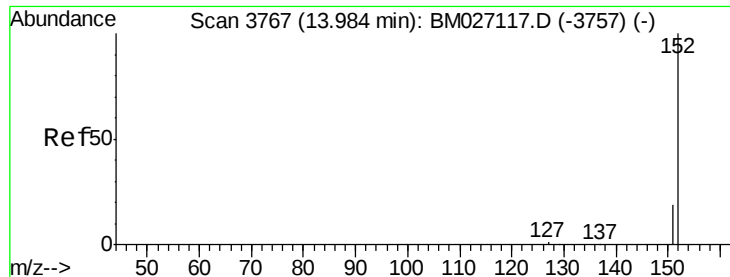
141 92.1 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

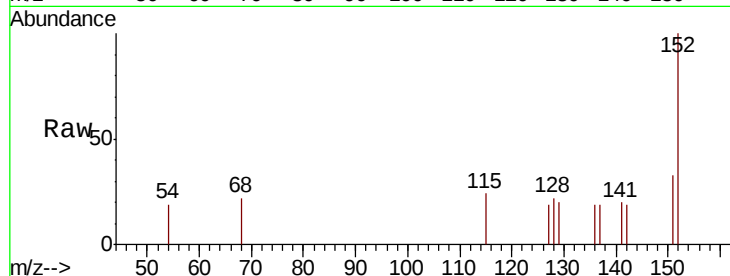
Tot Ion:152 Resp: 356

Ion Ratio Lower Upper

152 100

151 33.1 16.9 25.3#

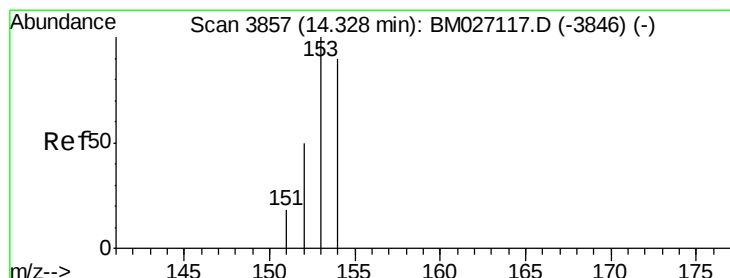
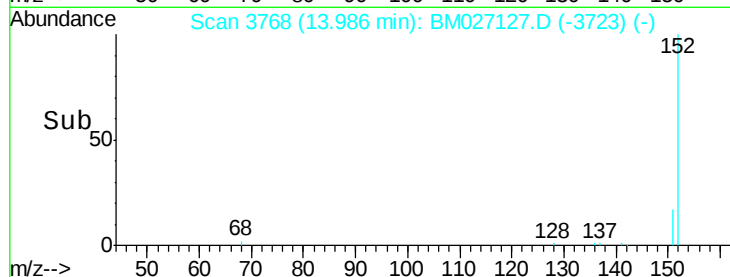
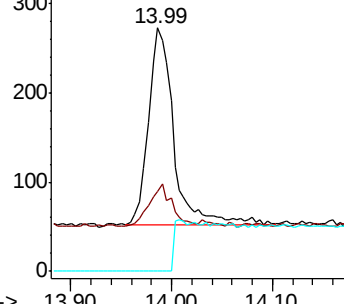
153 0.0 0.0 0.0



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



#8

Acenaphthene

Concen: 0.046 ng/ul

RT: 14.33 min Scan# 3859

Delta R.T. 0.01 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

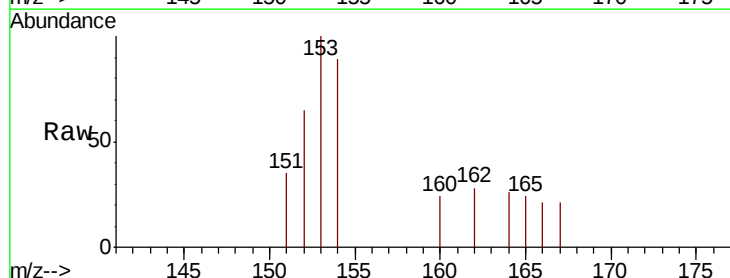
Tgt Ion:153 Resp: 325

Ion Ratio Lower Upper

153 100

152 65.1 40.9 61.3#

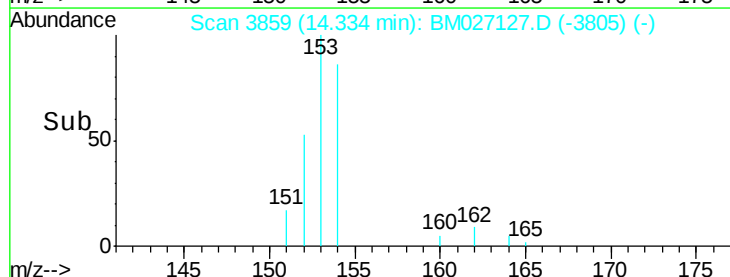
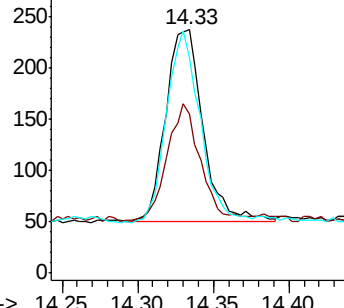
154 88.7 70.0 105.0

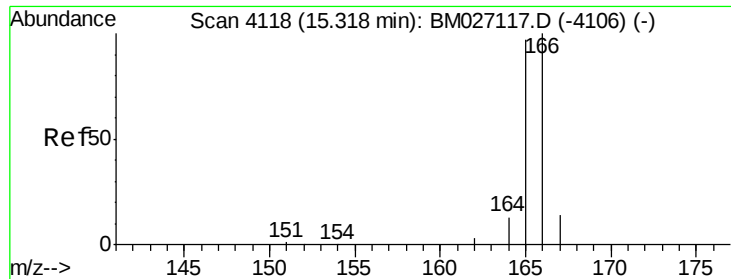


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.046 ng/ul

RT: 15.32 min Scan# 4120

Delta R.T. 0.01 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

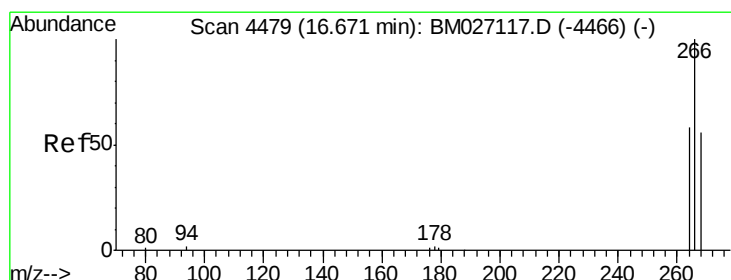
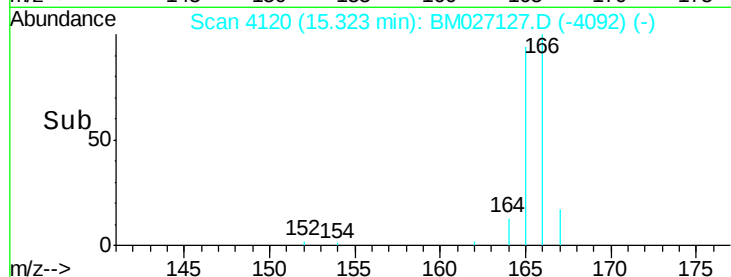
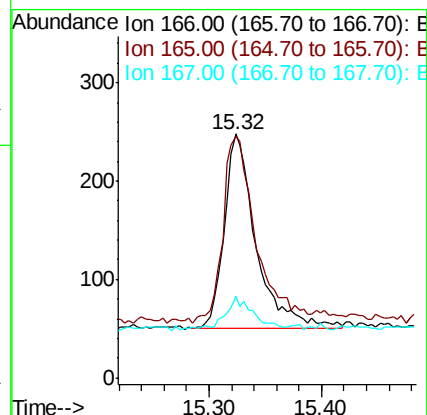
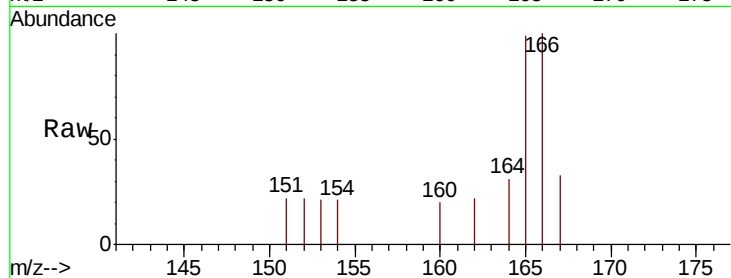
Tot Ion:166 Resp: 388

Ion Ratio Lower Upper

166 100

165 99.2 79.8 119.6

167 33.5 12.1 18.1#



#11

Pentachlorophenol

Concen: 0.044 ng/ul

RT: 16.68 min Scan# 4483

Delta R.T. 0.01 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

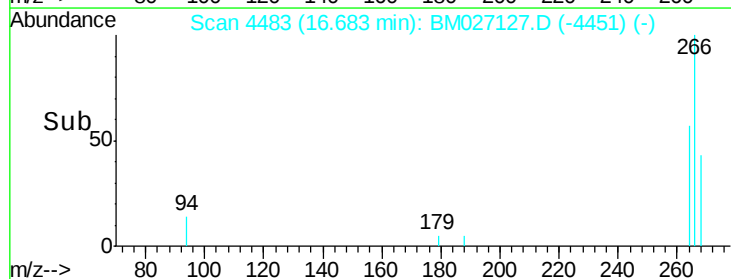
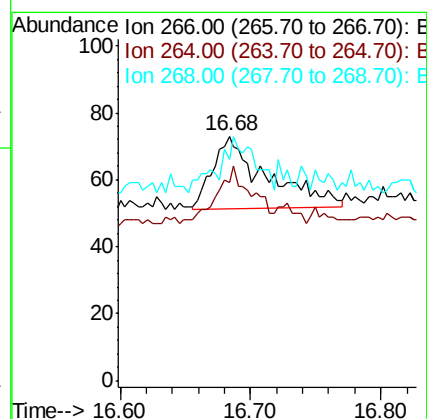
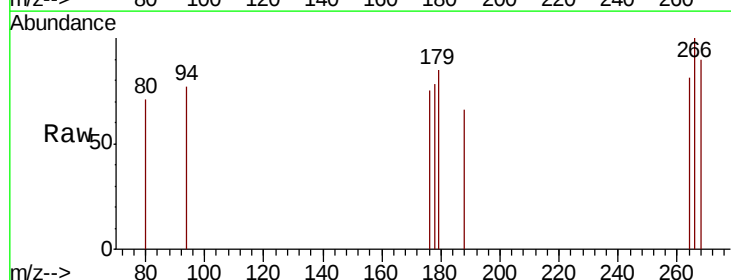
Tgt Ion:266 Resp: 62

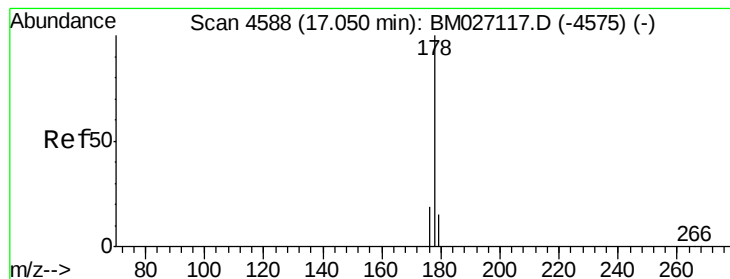
Ion Ratio Lower Upper

266 100

264 50.0 47.8 71.8

268 38.7 48.5 72.7#





#12

Phenanthrene

Concen: 0.047 ng/ul

RT: 17.05 min Scan# 4590

Delta R.T. 0.01 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

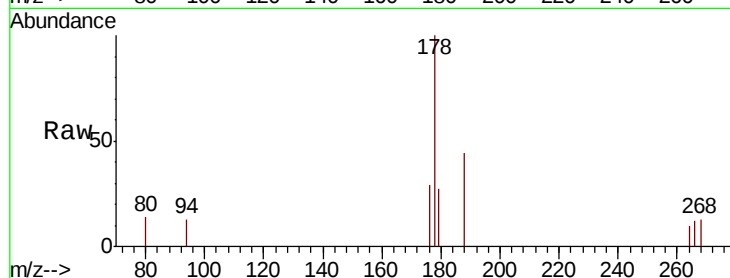
Tot Ion:178 Resp: 679

Ion Ratio Lower Upper

178 100

179 26.8 13.4 20.2#

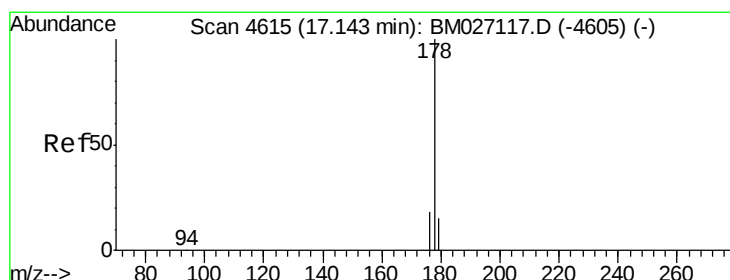
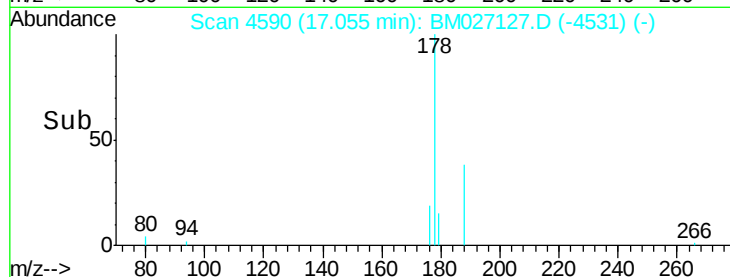
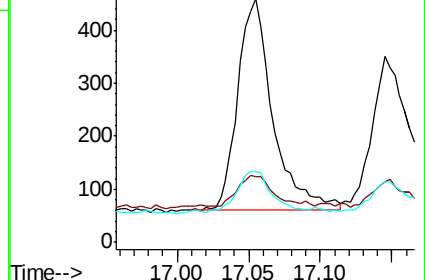
176 29.0 16.0 24.0#



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



#13

Anthracene

Concen: 0.042 ng/ul

RT: 17.14 min Scan# 4616

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

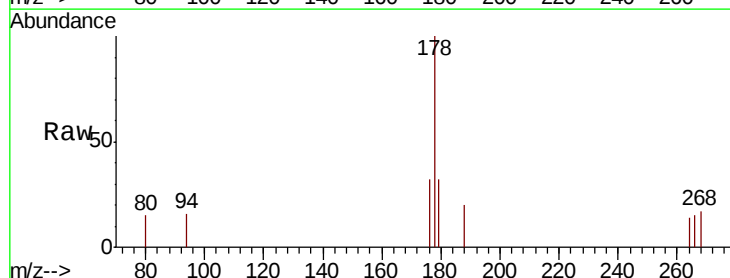
Tgt Ion:178 Resp: 545

Ion Ratio Lower Upper

178 100

179 32.4 13.7 20.5#

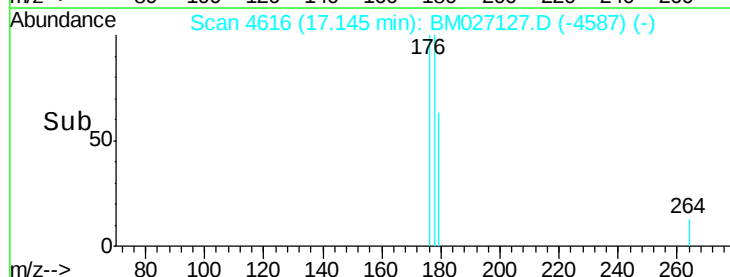
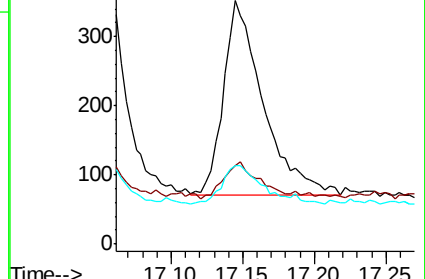
176 32.4 15.5 23.3#

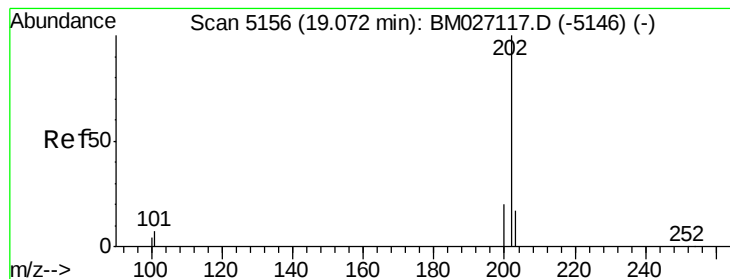


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.048 ng/ul

RT: 19.07 min Scan# 5157

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

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ClientSampleId :

MDL-WATER-02

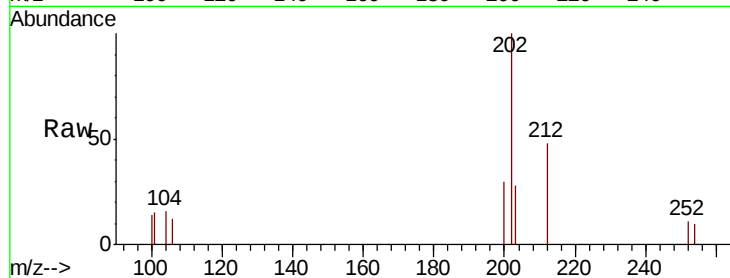
Tot Ion:202 Resp: 834

Ion Ratio Lower Upper

202 100

101 15.3 0.0 27.1

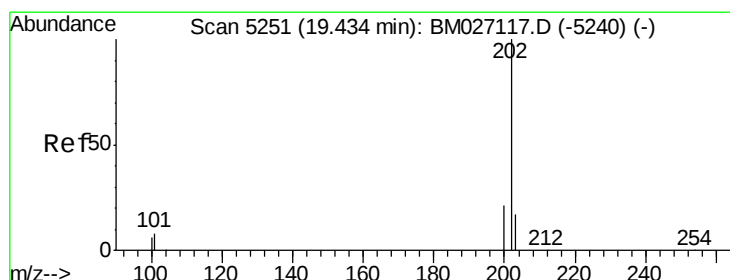
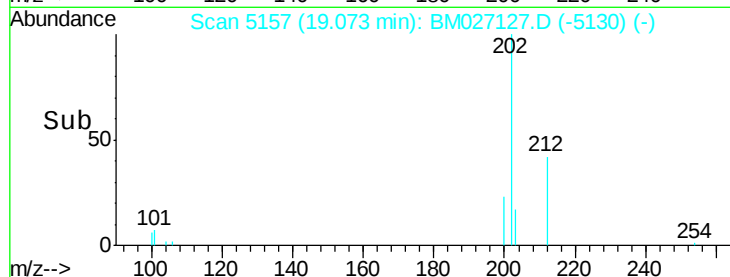
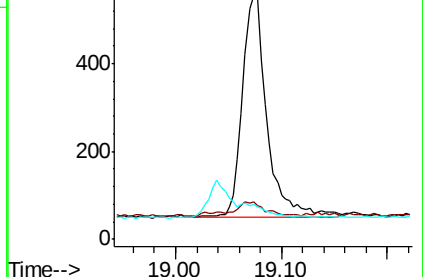
100 14.4 0.0 25.7



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



#17

Pyrene

Concen: 0.047 ng/ul

RT: 19.44 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

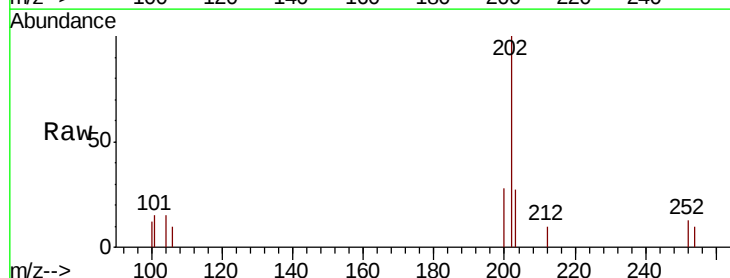
Tgt Ion:202 Resp: 833

Ion Ratio Lower Upper

202 100

101 15.3 6.6 9.8#

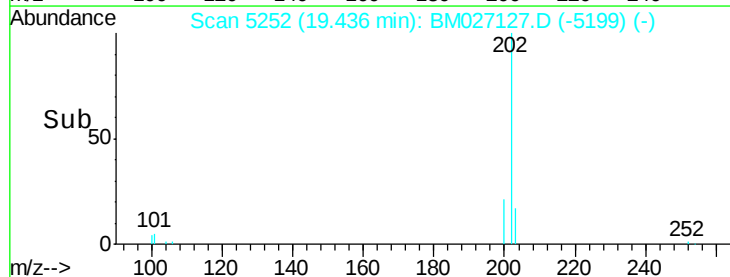
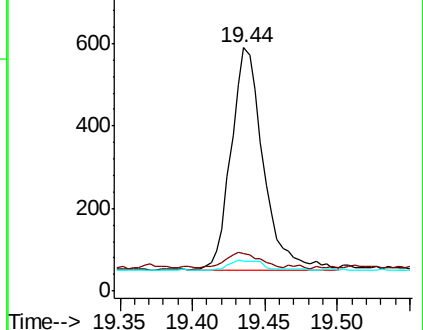
100 12.4 5.6 8.4#

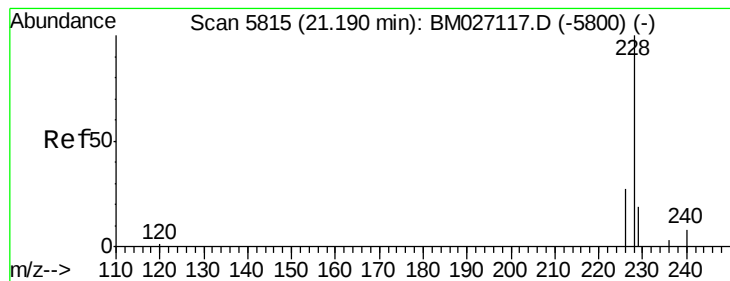


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.047 ng/ul

RT: 21.19 min Scan# 5817

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

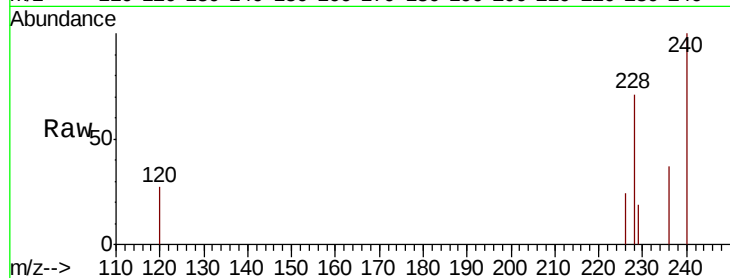
Tot Ion:228 Resp: 786

Ion Ratio Lower Upper

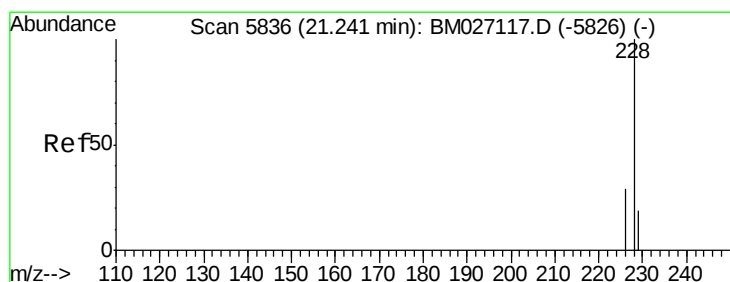
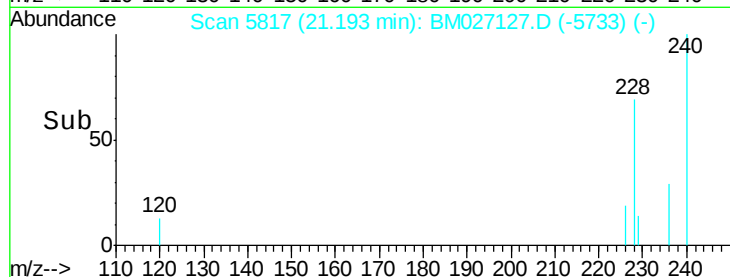
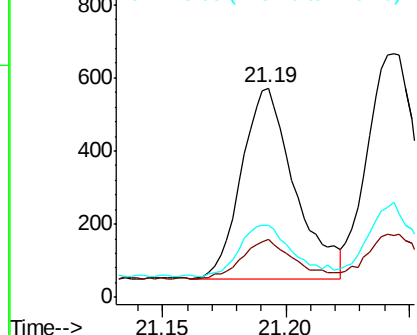
228 100

229 27.4 16.2 24.4#

226 34.6 22.4 33.6#



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



#19

Chrysene

Concen: 0.054 ng/ul

RT: 21.24 min Scan# 5838

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

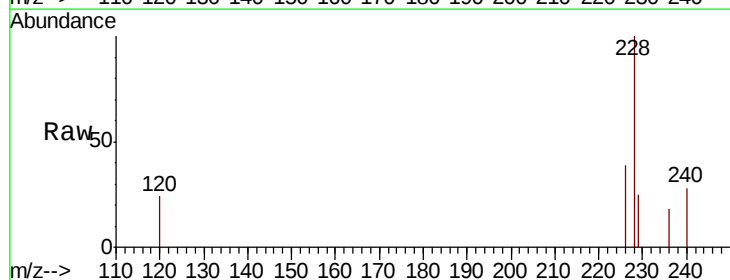
Tgt Ion:228 Resp: 967

Ion Ratio Lower Upper

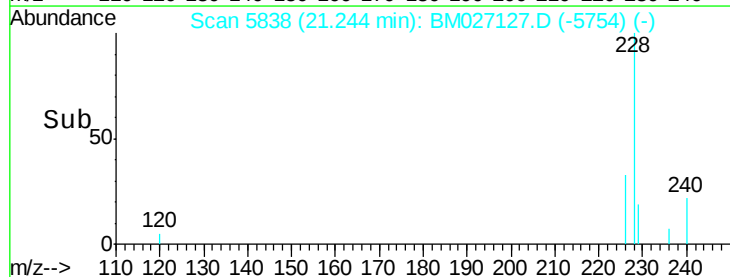
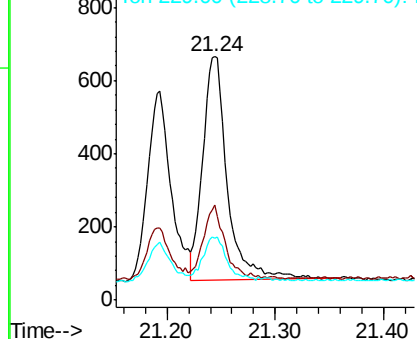
228 100

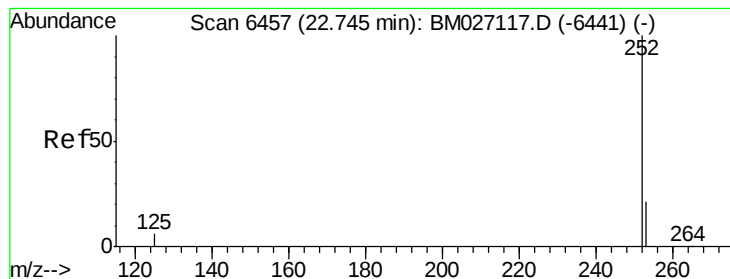
226 39.0 24.6 36.8#

229 25.2 15.9 23.9#



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: 0.051 ng/ul

RT: 22.74 min Scan# 6457

Delta R.T. -0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

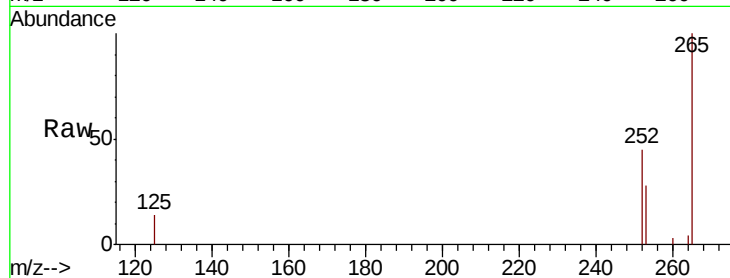
Tot Ion:252 Resp: 912

Ion Ratio Lower Upper

252 100

253 61.3 0.0 54.0#

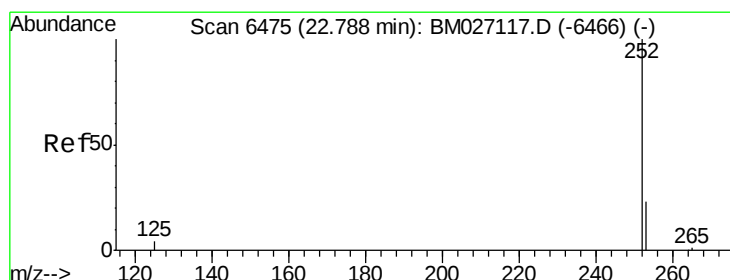
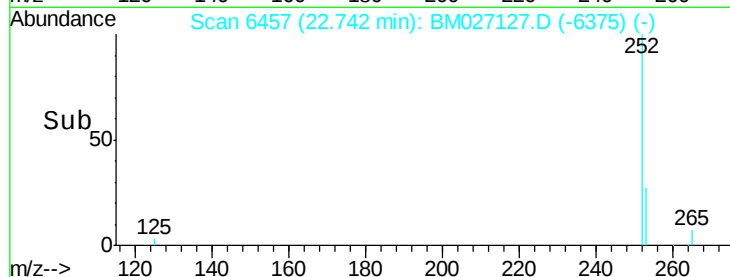
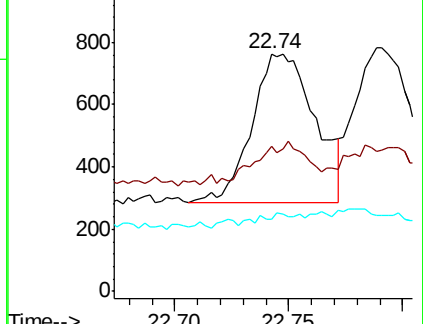
125 30.1 0.0 20.8#



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



#22

Benzo(k)fluoranthene

Concen: 0.047 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

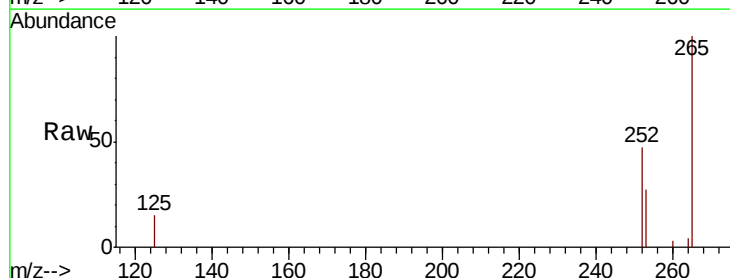
Tgt Ion:252 Resp: 868

Ion Ratio Lower Upper

252 100

253 58.1 21.7 32.5#

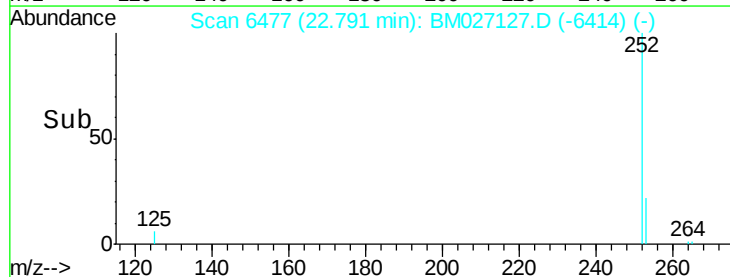
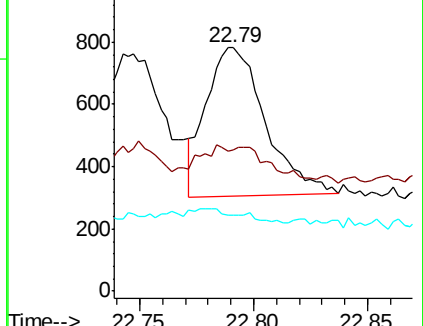
125 31.5 7.9 11.9#

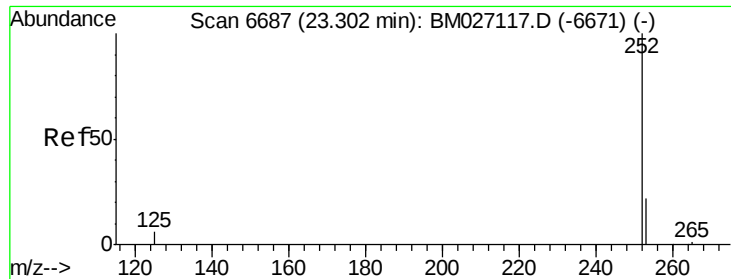


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.053 ng/u1

RT: 23.30 min Scan# 6689

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-02

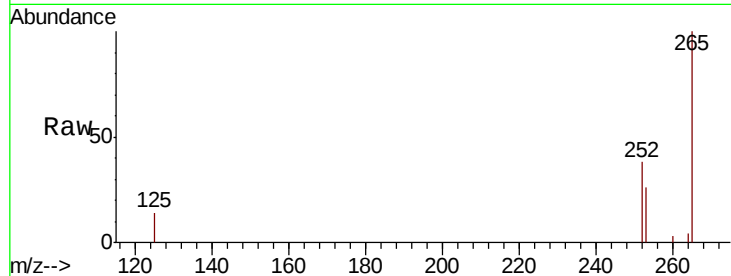
Tot Ion:252 Resp: 860

Ion Ratio Lower Upper

252 100

253 70.0 23.4 35.0#

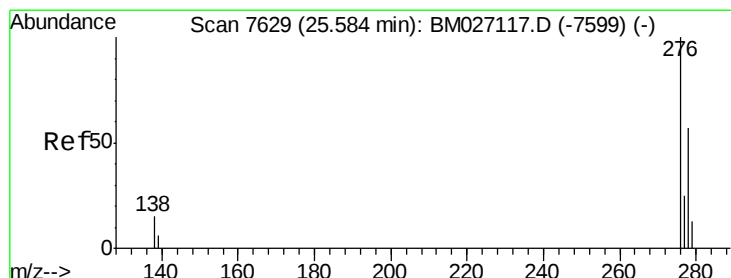
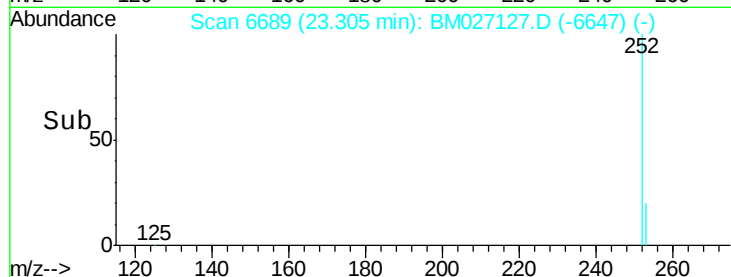
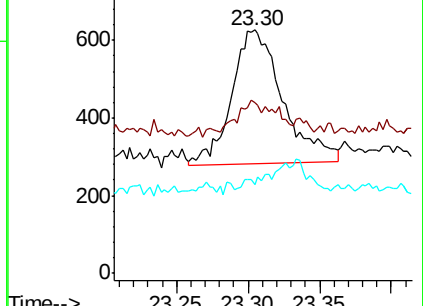
125 36.2 9.4 14.2#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.046 ng/u1

RT: 25.59 min Scan# 7631

Delta R.T. 0.00 min

Lab File: BM027127.D

Acq: 18 Aug 2020 15:31

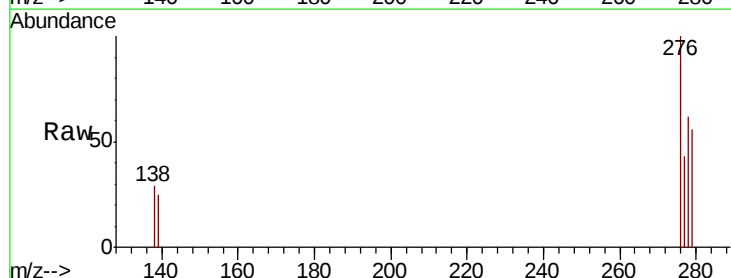
Tgt Ion:276 Resp: 1029

Ion Ratio Lower Upper

276 100

138 4.1 12.2 18.2#

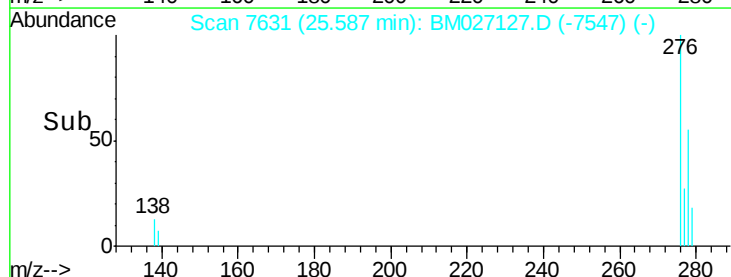
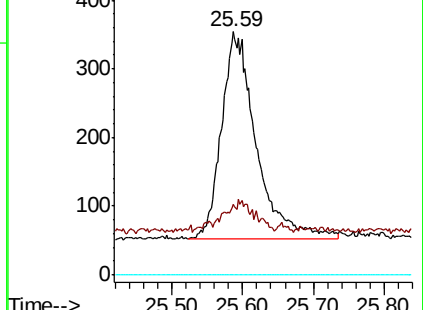
227 0.0 0.0 0.0

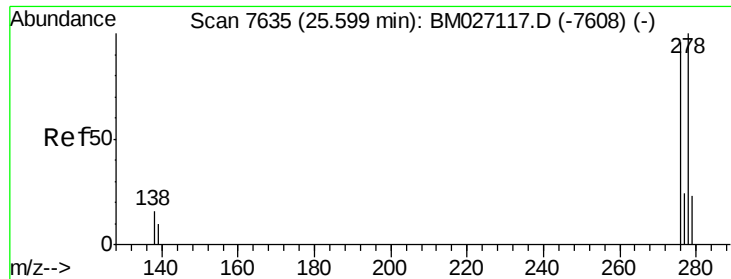


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

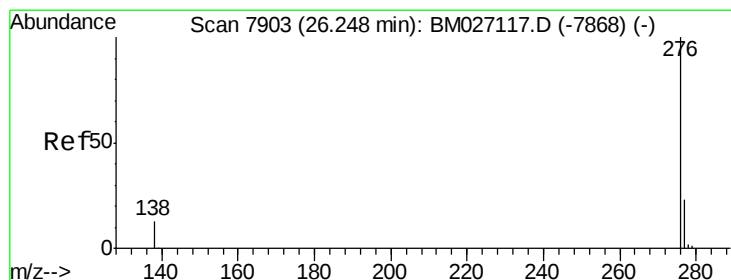
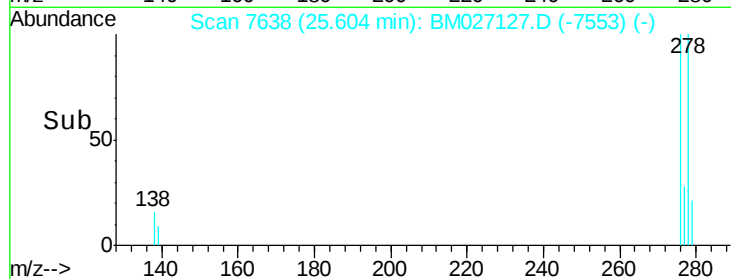
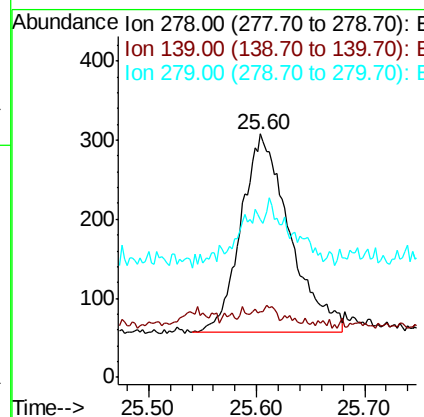
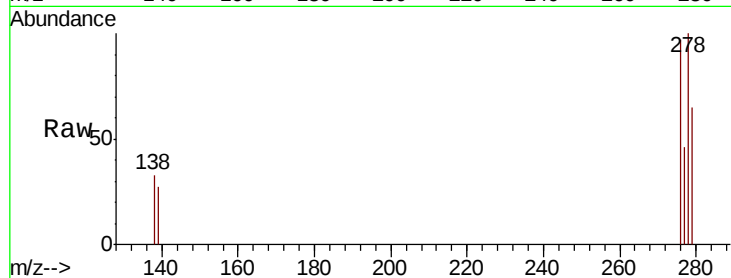




#25  
Dibenzo(a,h)anthracene  
Concen: 0.043 ng/ul  
RT: 25.60 min Scan# 7638  
Delta R.T. 0.01 min  
Lab File: BM027127.D  
Acq: 18 Aug 2020 15:31

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-WATER-02

Tot Ion:278 Resp: 782  
Ion Ratio Lower Upper  
278 100  
139 27.3 10.0 15.0#  
279 64.6 22.9 34.3#



#26  
Benzo(g,h,i)perylene  
Concen: 0.045 ng/ul  
RT: 26.25 min Scan# 7903  
Delta R.T. -0.00 min  
Lab File: BM027127.D  
Acq: 18 Aug 2020 15:31

Tgt Ion:276 Resp: 855  
Ion Ratio Lower Upper  
276 100  
138 28.8 12.0 18.0#  
277 39.9 20.9 31.3#

