

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110720\  
 Data File : BM027745.D  
 Acq On : 07 Nov 2020 05:48  
 Operator : JU/CG  
 Sample : L4485-13  
 Misc : SFAM-SIM-MDL-W-07  
 ALS Vial : 10 Sample Multiplier: 1

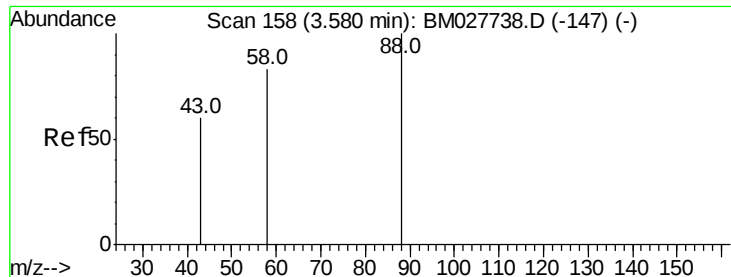
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-WATER-06

Quant Time: Nov 07 06:55:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:24:33 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.39  | 152  | 574      | 0.40  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 11.23 | 136  | 1936     | 0.40  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 15.00 | 164  | 1150     | 0.40  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.72 | 188  | 2452     | 0.40  | ng/ul  | 0.00     |
| 19) Chrysene-d12            | 21.81 | 240  | 1952     | 0.40  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.26 | 264  | 1740     | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.54  | 96   | 372      | 0.63  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.79 | 152  | 878      | 0.27  | ng/ul  | 0.00     |
| 17) Fluoranthene-d10        | 19.70 | 212  | 1765     | 0.27  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       | Ovalue |          |
| 2) 1,4-Dioxane              | 3.59  | 88   | 47       | 0.074 | ng/ul  | 90       |
| 5) Naphthalene              | 11.28 | 128  | 342      | 0.062 | ng/ul# | 71       |
| 7) 2-Methylnaphthalene      | 12.87 | 142  | 230      | 0.061 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 13.08 | 142  | 222      | 0.062 | ng/ul  | 95       |
| 10) Acenaphthylene          | 14.73 | 152  | 308      | 0.060 | ng/ul# | 71       |
| 11) Acenaphthene            | 15.07 | 153  | 239      | 0.061 | ng/ul  | 94       |
| 12) Fluorene                | 16.04 | 166  | 272      | 0.059 | ng/ul# | 87       |
| 14) Pentachlorophenol       | 17.36 | 266  | 54       | 0.067 | ng/ul  | 89       |
| 15) Phenanthrene            | 17.76 | 178  | 517      | 0.072 | ng/ul# | 87       |
| 16) Anthracene              | 17.85 | 178  | 430      | 0.061 | ng/ul# | 78       |
| 18) Fluoranthene            | 19.73 | 202  | 700      | 0.084 | ng/ul# | 86       |
| 20) Pyrene                  | 20.09 | 202  | 660      | 0.087 | ng/ul# | 84       |
| 21) Benzo(a)anthracene      | 21.80 | 228  | 570      | 0.080 | ng/ul# | 90       |
| 22) Chrysene                | 21.85 | 228  | 576      | 0.079 | ng/ul# | 88       |
| 24) Benzo(b)fluoranthene    | 23.51 | 252  | 550      | 0.079 | ng/ul# | 67       |
| 25) Benzo(k)fluoranthene    | 23.56 | 252  | 515      | 0.074 | ng/ul# | 69       |
| 26) Benzo(a)pyrene          | 24.15 | 252  | 463      | 0.073 | ng/ul# | 67       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.79 | 276  | 558      | 0.075 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.81 | 278  | 443      | 0.072 | ng/ul# | 58       |
| 29) Benzo(g,h,i)perylene    | 27.57 | 276  | 467      | 0.074 | ng/ul# | 72       |

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





#2

1,4-Dioxane

Concen: 0.074 ng/ul

RT: 3.59 min Scan# 160

Delta R.T. 0.01 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

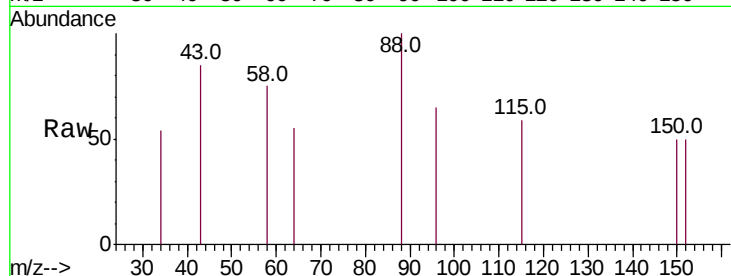
Tot Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 85.4 61.8 92.6

58 75.0 67.8 101.8

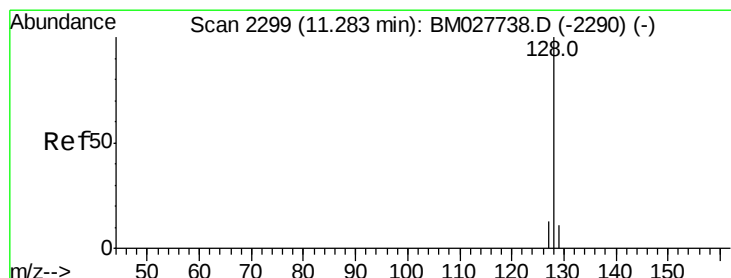
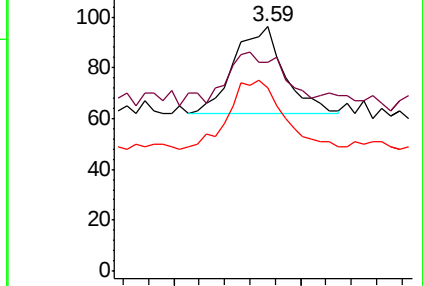
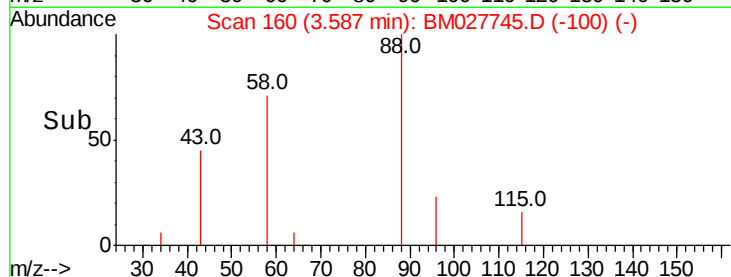


Abundance Ion 88.00 (87.70 to 88.70): BM027738.D (-147) (-)

Ion 43.00 (42.70 to 43.70): BM027738.D (-147) (-)

Ion 58.00 (57.70 to 58.70): BM027738.D (-147) (-)

Time-->



#5

Naphthalene

Concen: 0.062 ng/ul

RT: 11.28 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

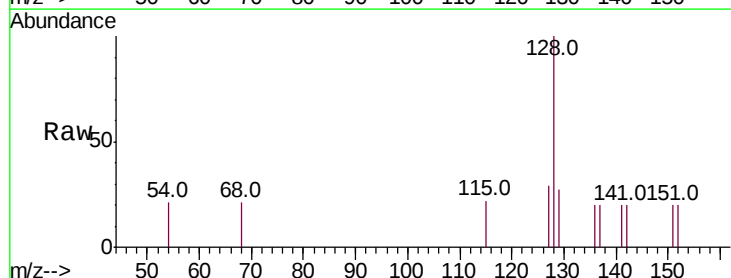
Tgt Ion: 128 Resp: 342

Ion Ratio Lower Upper

128 100

129 27.4 11.7 17.5#

127 29.5 14.0 21.0#

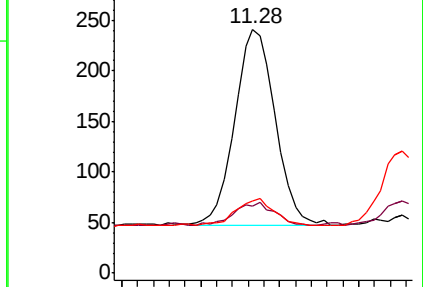
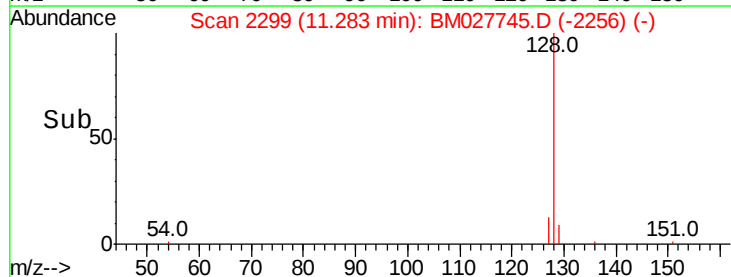


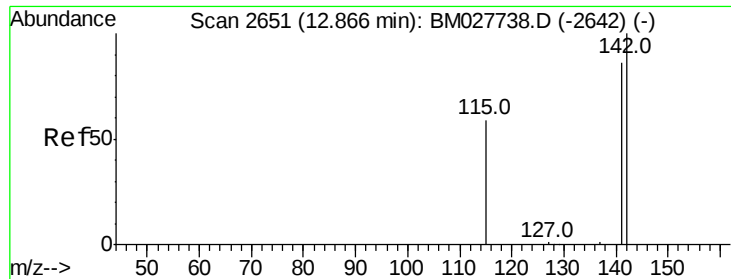
Abundance Ion 128.00 (127.70 to 128.70): BM027738.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BM027738.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BM027738.D (-2290) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.061 ng/ul

RT: 12.87 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

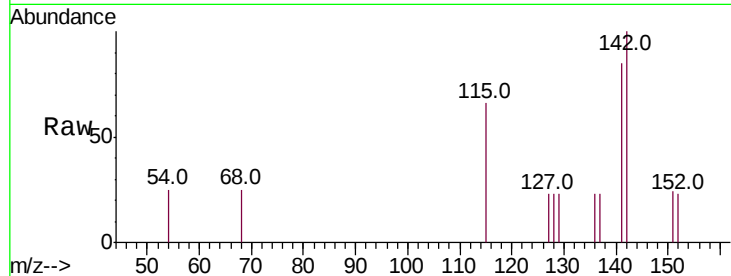
MDL-WATER-06

Tot Ion:142 Resp: 230

Ion Ratio Lower Upper

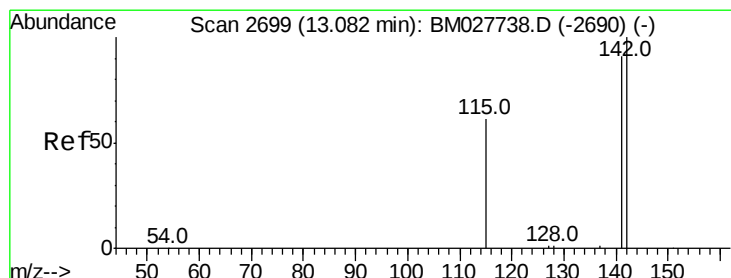
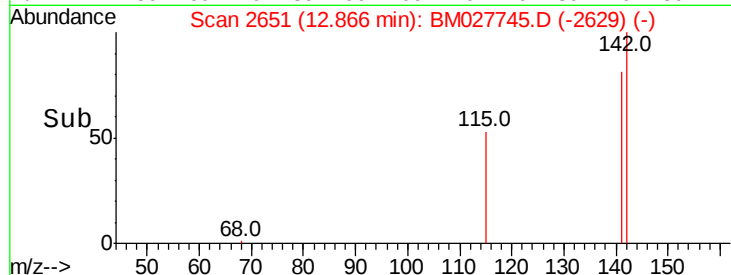
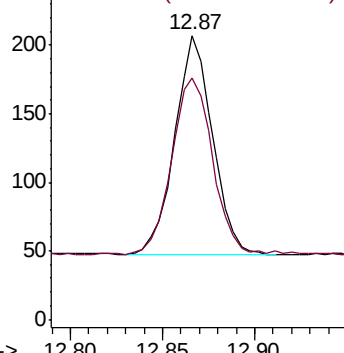
142 100

141 88.3 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.062 ng/ul

RT: 13.08 min Scan# 2699

Delta R.T. -0.00 min

Lab File: BM027745.D

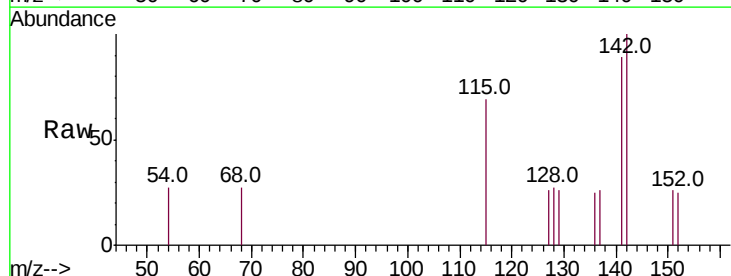
Acq: 07 Nov 2020 05:48

Tgt Ion:142 Resp: 222

Ion Ratio Lower Upper

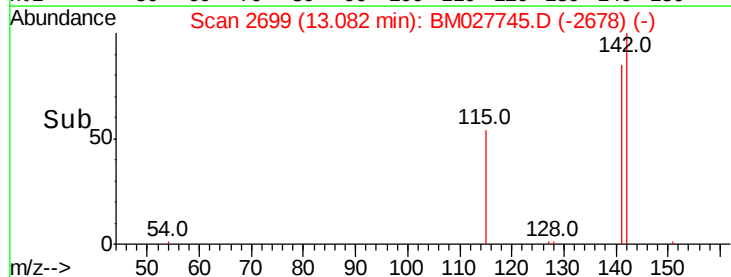
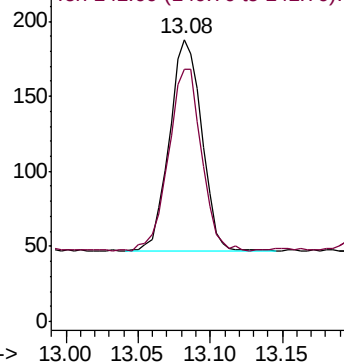
142 100

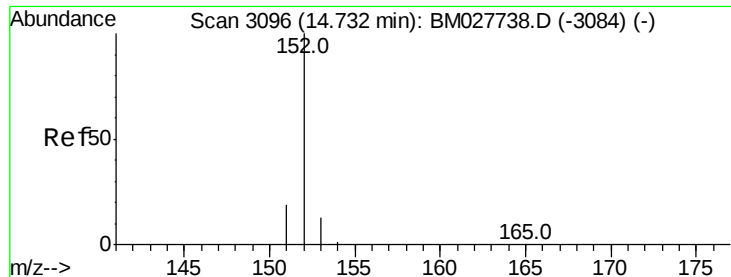
141 87.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.73 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

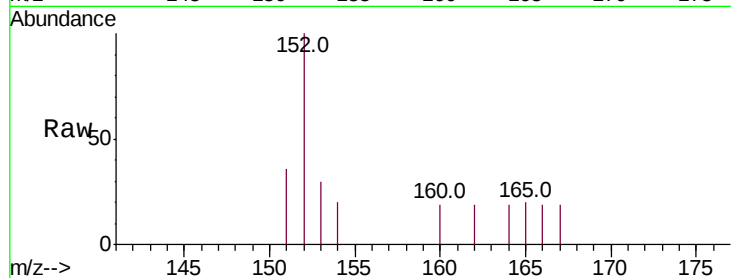
Tot Ion:152 Resp: 308

Ion Ratio Lower Upper

152 100

151 35.6 17.8 26.8#

153 30.4 13.5 20.3#



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

14.73

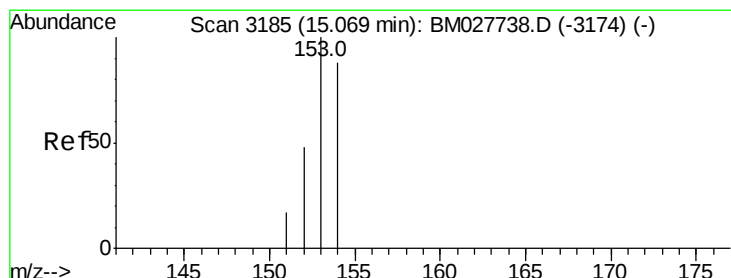
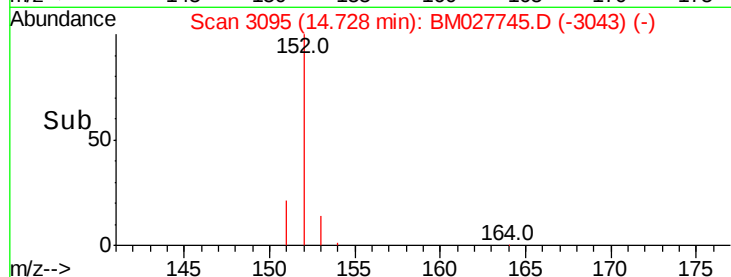
300

200

100

0

Time--> 14.65 14.70 14.75 14.80



#11

Acenaphthene

Concen: 0.061 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

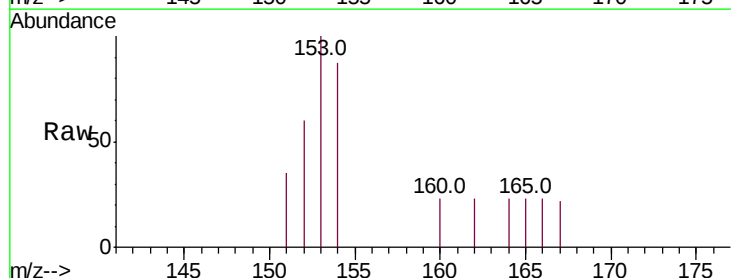
Tgt Ion:153 Resp: 239

Ion Ratio Lower Upper

153 100

152 59.9 40.6 60.8

154 87.3 71.0 106.4



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

15.07

250

200

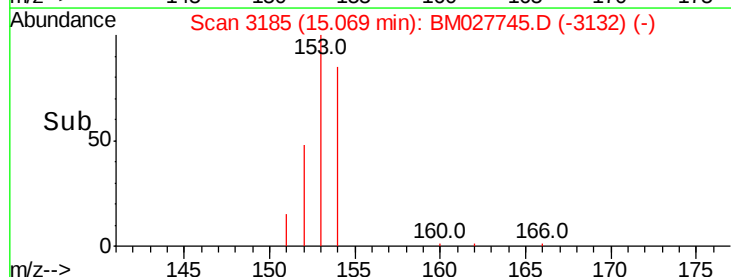
150

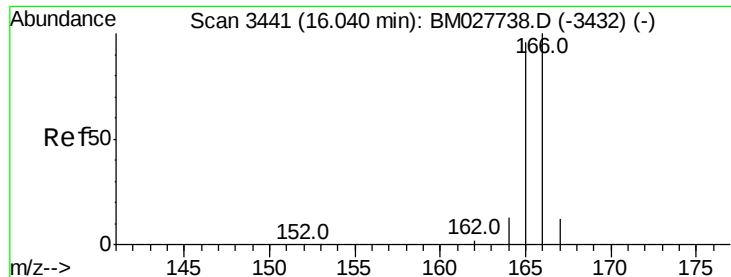
100

50

0

Time--> 15.00 15.05 15.10





#12

Fluorene

Concen: 0.059 ng/ul

RT: 16.04 min Scan# 3440

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

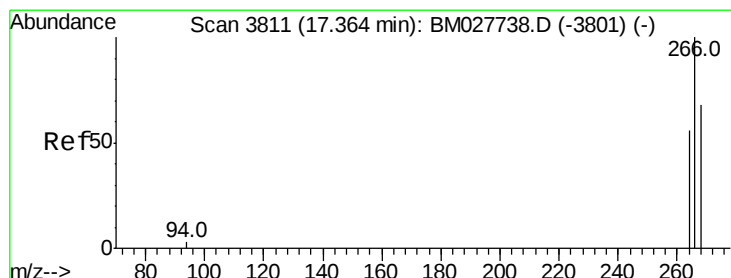
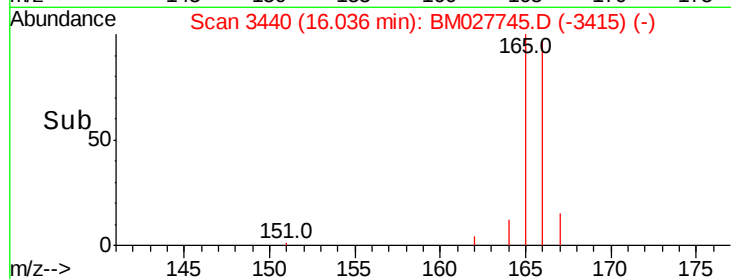
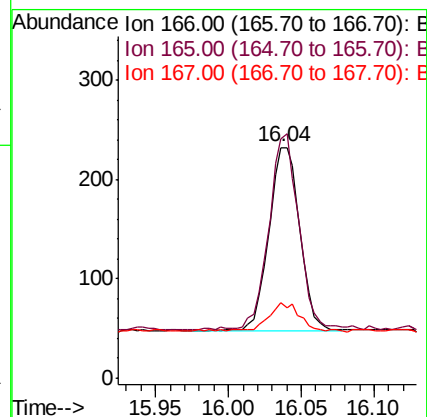
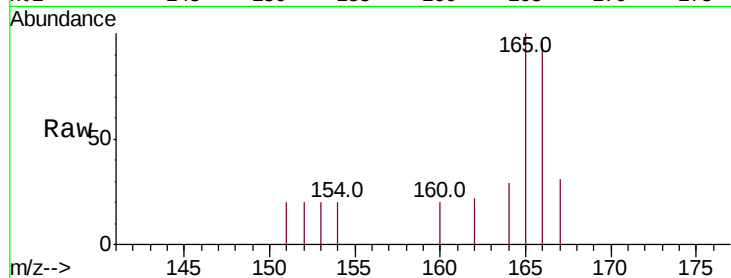
Tot Ion:166 Resp: 272

Ion Ratio Lower Upper

166 100

165 103.9 76.2 114.4

167 32.3 13.7 20.5#



#14

Pentachlorophenol

Concen: 0.067 ng/ul

RT: 17.36 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

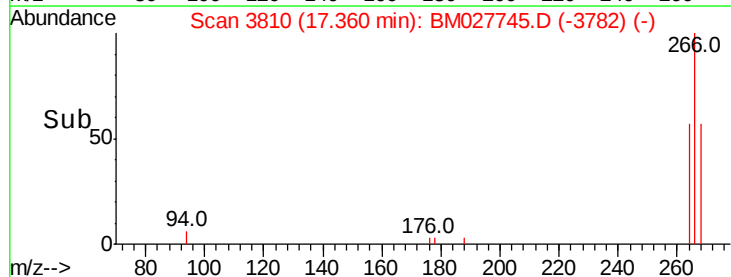
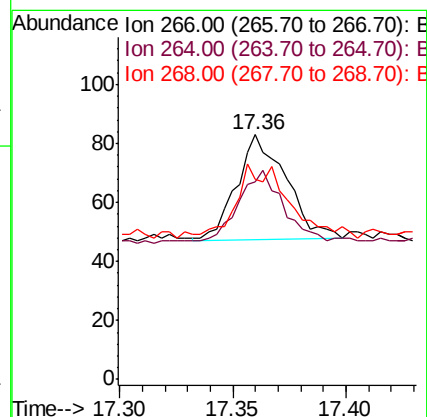
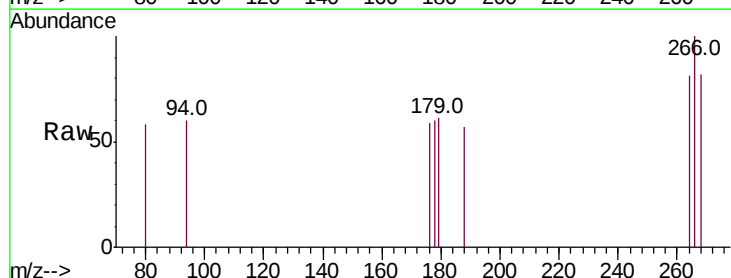
Tgt Ion:266 Resp: 54

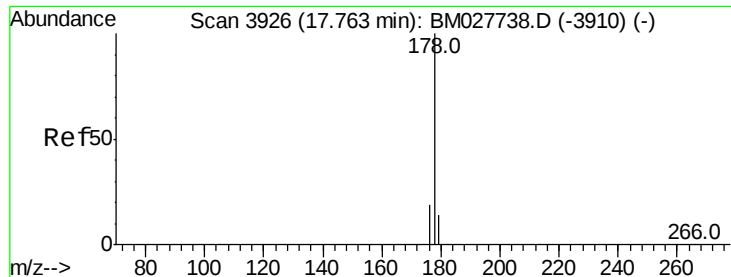
Ion Ratio Lower Upper

266 100

264 70.4 48.2 72.4

268 74.1 53.4 80.0





#15

Phenanthrene

Concen: 0.072 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

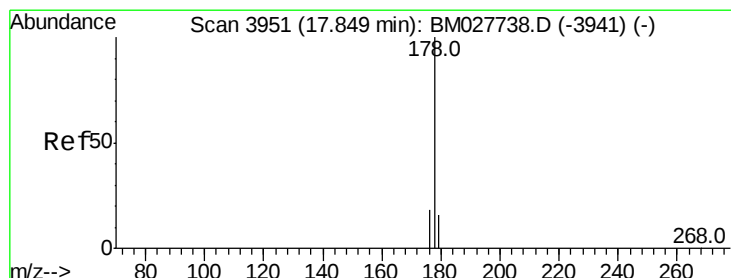
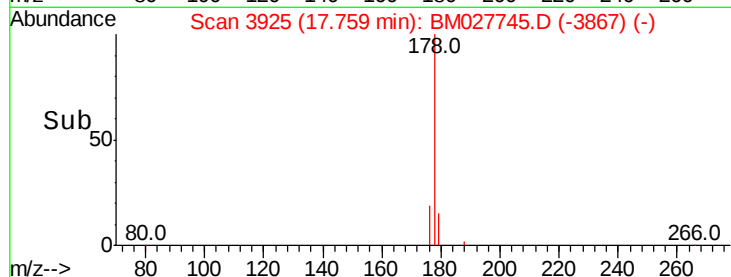
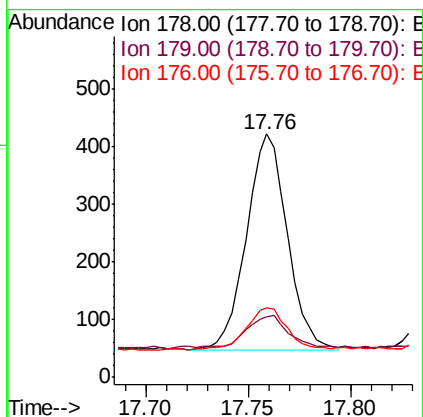
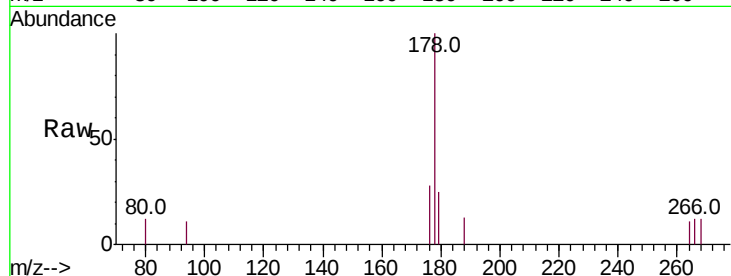
Tot Ion:178 Resp: 517

Ion Ratio Lower Upper

178 100

179 24.9 14.6 22.0#

176 28.4 18.2 27.2#



#16

Anthracene

Concen: 0.061 ng/ul

RT: 17.85 min Scan# 3951

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

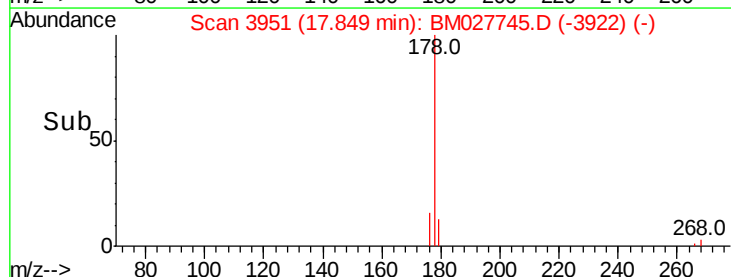
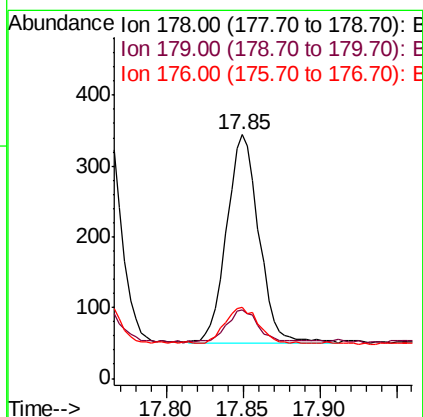
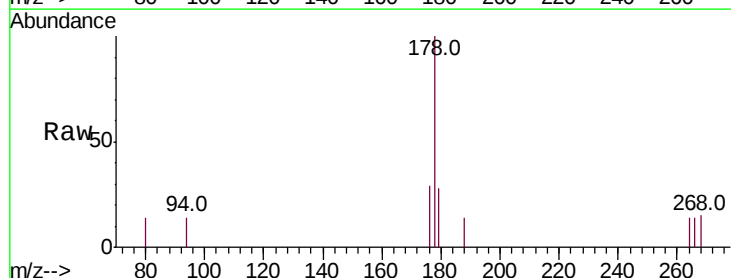
Tgt Ion:178 Resp: 430

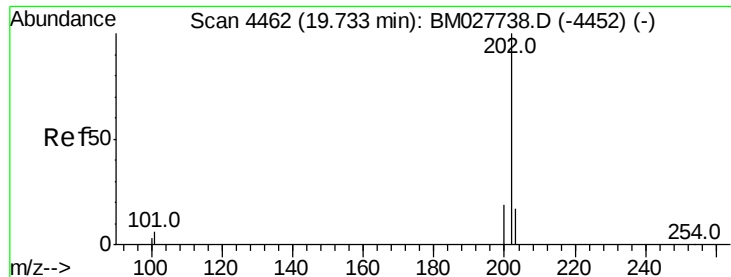
Ion Ratio Lower Upper

178 100

179 28.2 14.1 21.1#

176 29.4 16.3 24.5#





#18

Fluoranthene

Concen: 0.084 ng/ul

RT: 19.73 min Scan# 4462

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

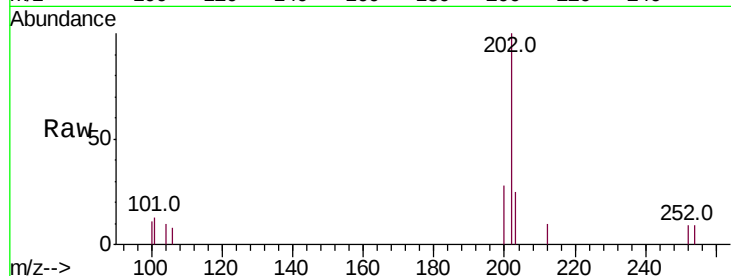
Tot Ion:202 Resp: 700

Ion Ratio Lower Upper

202 100

101 13.3 6.1 9.1#

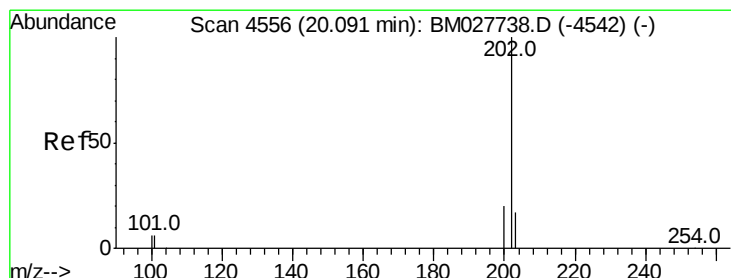
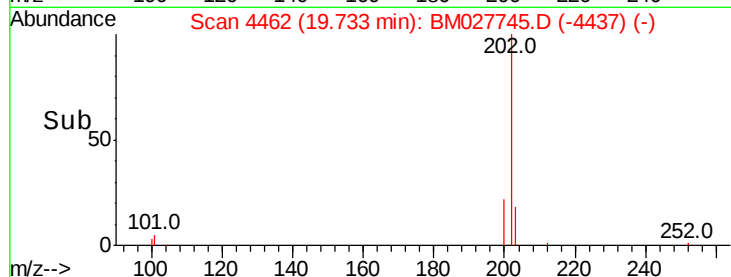
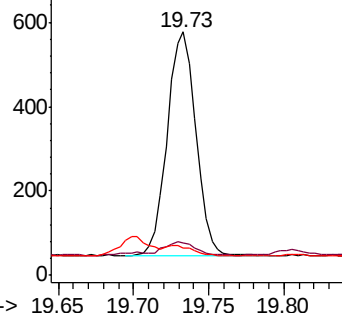
100 11.4 5.8 8.6#



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



#20

Pyrene

Concen: 0.087 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

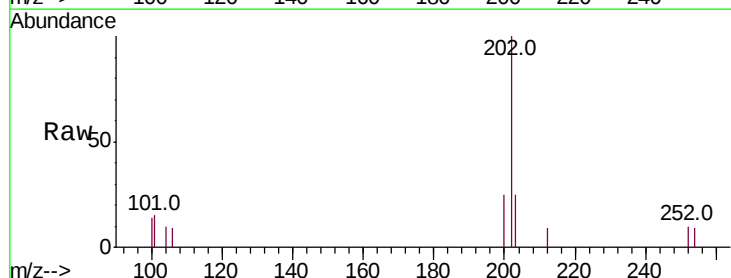
Tgt Ion:202 Resp: 660

Ion Ratio Lower Upper

202 100

101 15.0 7.4 11.0#

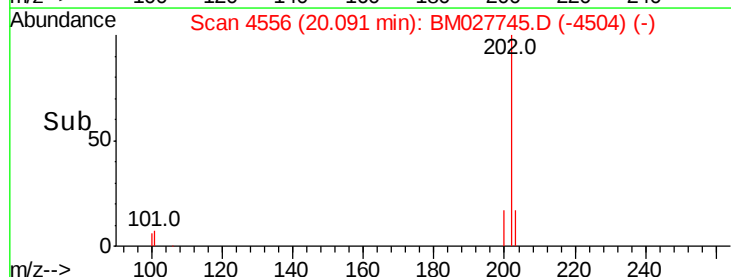
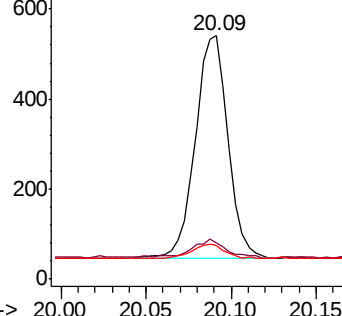
100 14.0 6.6 9.8#

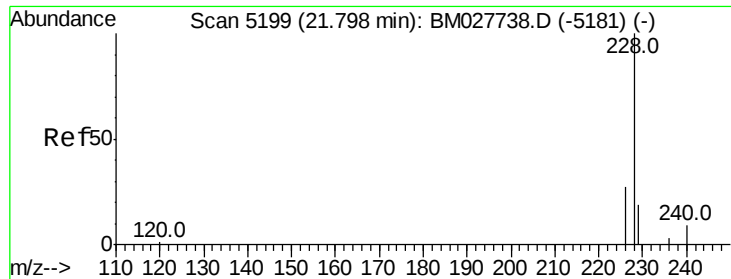


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.080 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

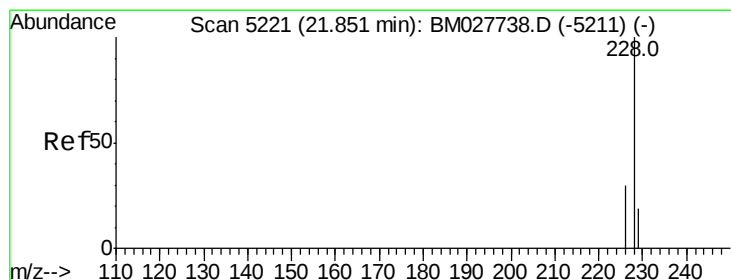
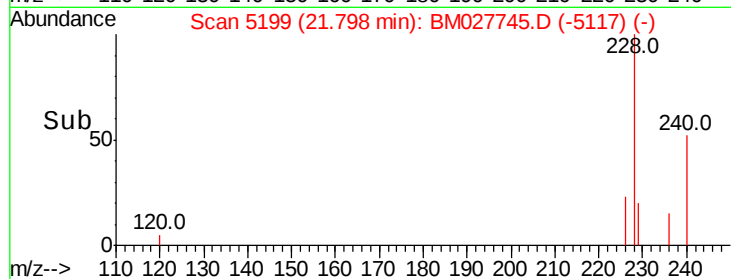
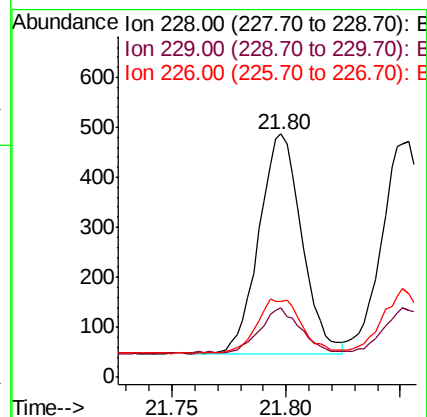
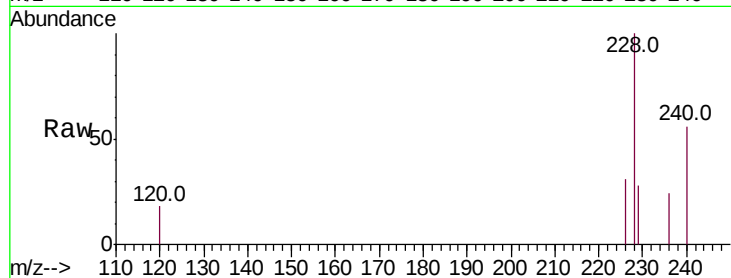
Tot Ion:228 Resp: 570

Ion Ratio Lower Upper

228 100

229 28.3 17.0 25.4#

226 31.0 22.0 33.0



#22

Chrysene

Concen: 0.079 ng/ul

RT: 21.85 min Scan# 5222

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

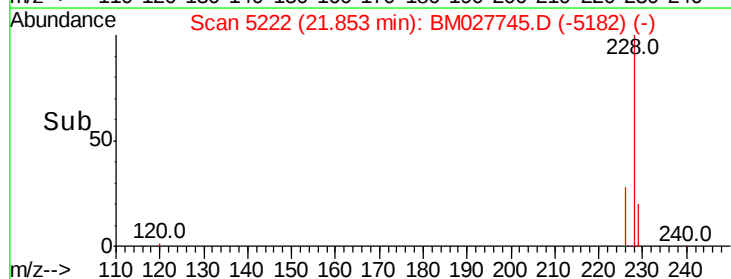
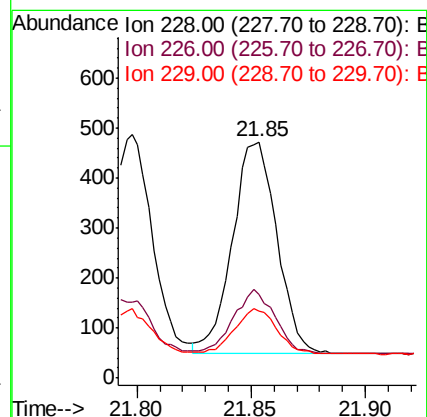
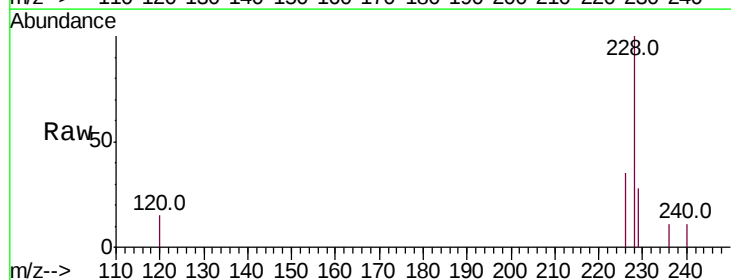
Tgt Ion:228 Resp: 576

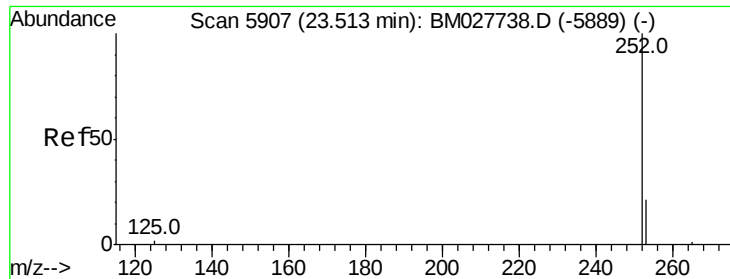
Ion Ratio Lower Upper

228 100

226 35.4 24.0 36.0

229 28.4 16.9 25.3#





#24

Benzo(b)fluoranthene

Concen: 0.079 ng/ul

RT: 23.51 min Scan# 5907

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

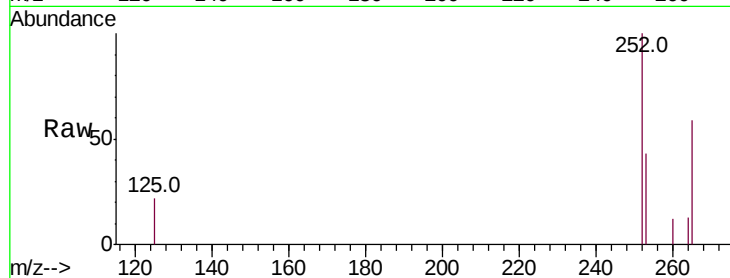
Tot Ion:252 Resp: 550

Ion Ratio Lower Upper

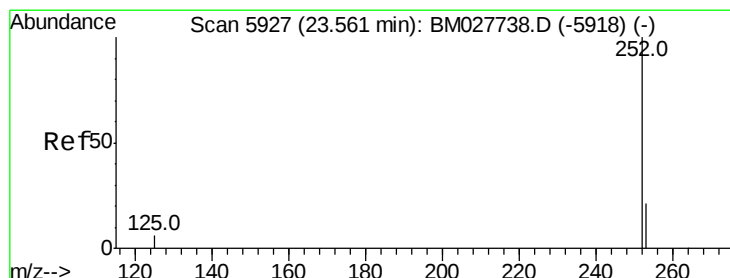
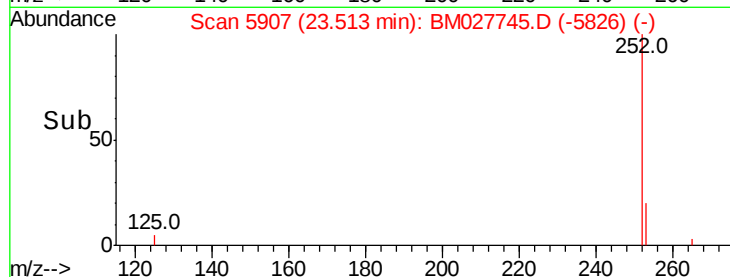
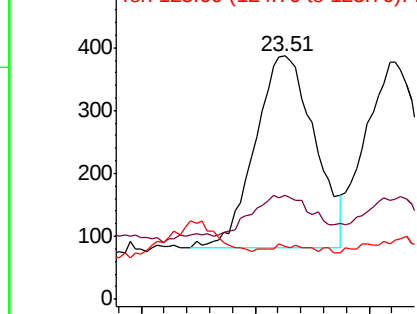
252 100

253 42.6 0.0 53.0

125 21.7 0.0 17.6#



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



#25

Benzo(k)fluoranthene

Concen: 0.074 ng/ul

RT: 23.56 min Scan# 5926

Delta R.T. -0.01 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

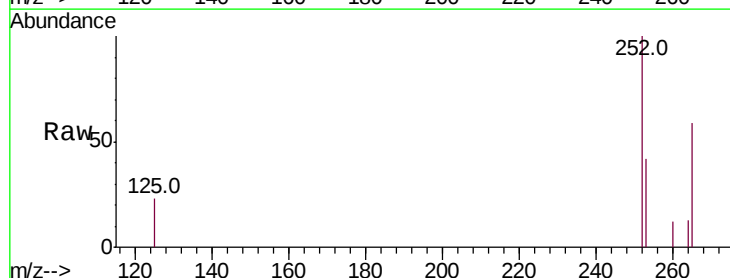
Tgt Ion:252 Resp: 515

Ion Ratio Lower Upper

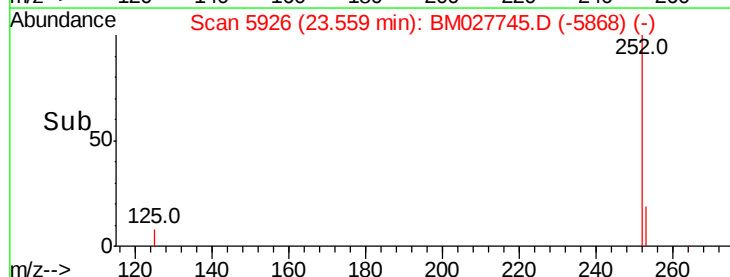
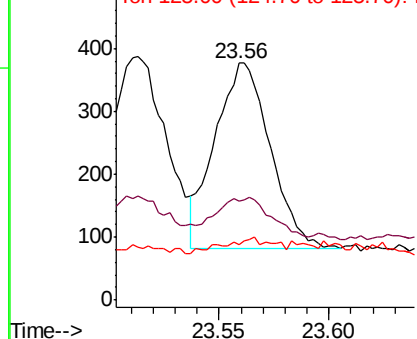
252 100

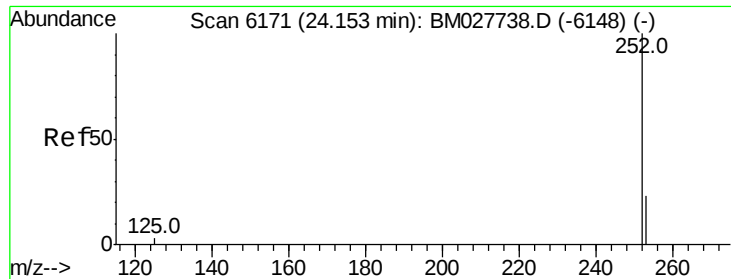
253 41.6 21.4 32.2#

125 23.3 7.4 11.0#



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





#26

Benzo(a)pyrene

Concen: 0.073 ng/ul

RT: 24.15 min Scan# 6170

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

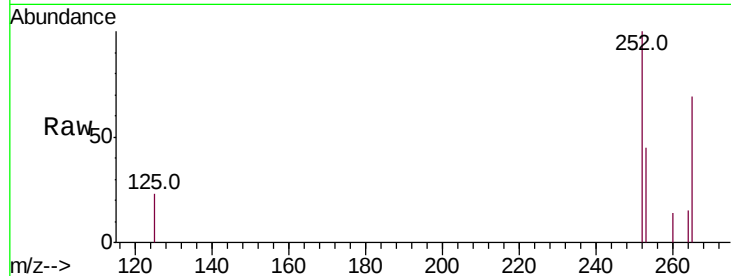
Tot Ion:252 Resp: 463

Ion Ratio Lower Upper

252 100

253 45.4 22.3 33.5#

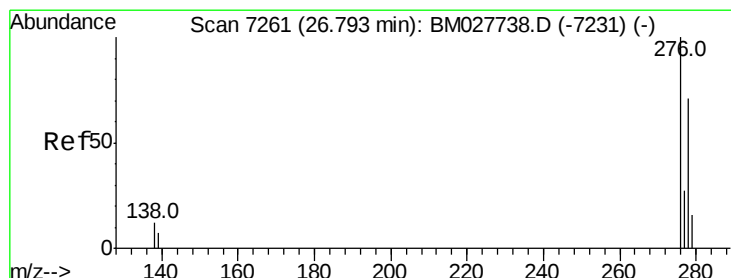
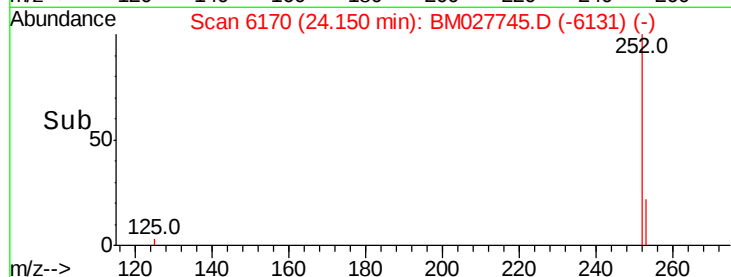
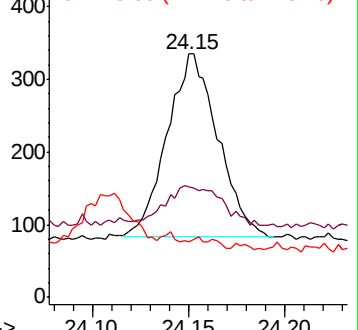
125 22.7 8.8 13.2#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.075 ng/ul

RT: 26.79 min Scan# 7260

Delta R.T. -0.01 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

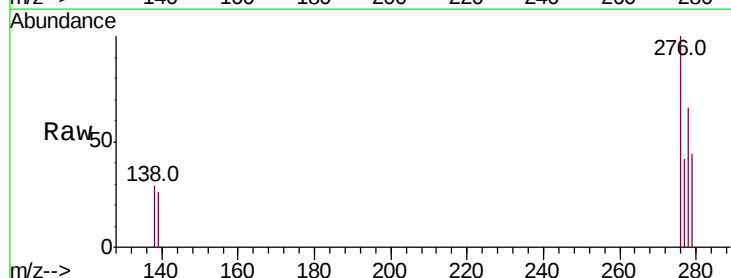
Tgt Ion:276 Resp: 558

Ion Ratio Lower Upper

276 100

138 8.8 11.0 16.6#

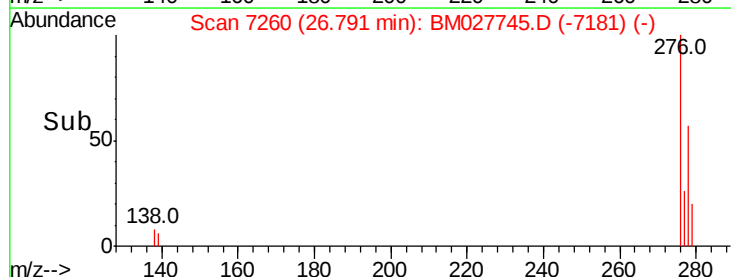
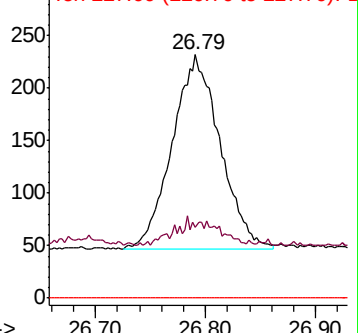
227 0.0 0.0 0.0

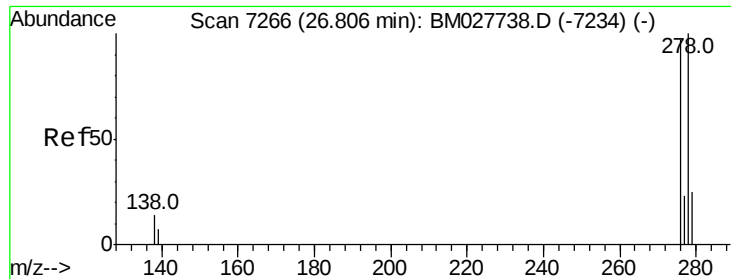


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.072 ng/ul

RT: 26.81 min Scan# 7267

Delta R.T. -0.00 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

Instrument :

BNA\_M

ClientSampleId :

MDL-WATER-06

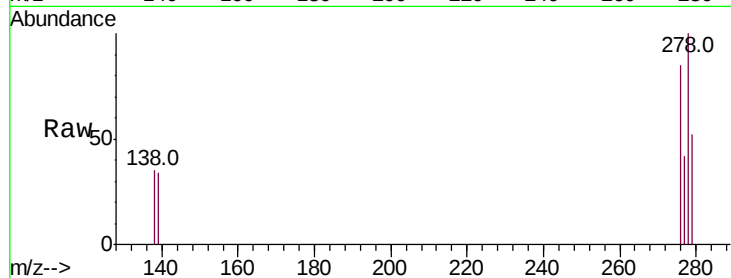
Tot Ion:278 Resp: 443

Ion Ratio Lower Upper

278 100

139 34.4 12.6 18.8#

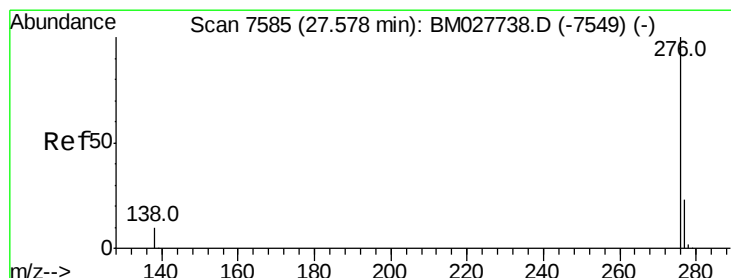
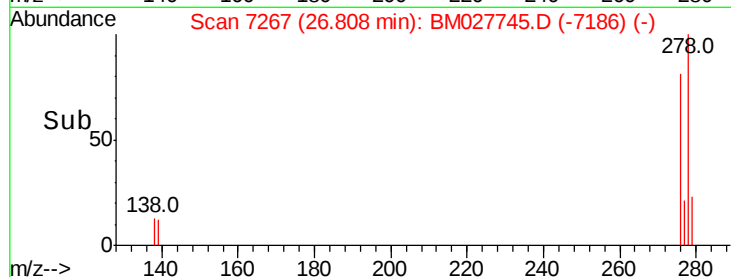
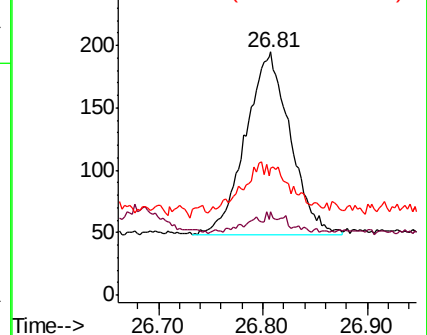
279 52.3 24.3 36.5#



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



#29

Benzo(g,h,i)perylene

Concen: 0.074 ng/ul

RT: 27.57 min Scan# 7582

Delta R.T. -0.01 min

Lab File: BM027745.D

Acq: 07 Nov 2020 05:48

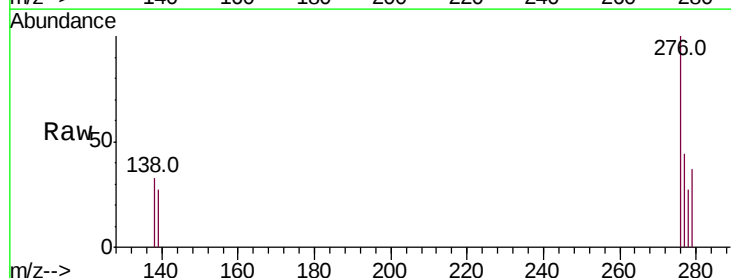
Tgt Ion:276 Resp: 467

Ion Ratio Lower Upper

276 100

138 32.8 15.0 22.4#

277 44.4 24.2 36.2#



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

