

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\  
 Data File : BM027925.D  
 Acq On : 23 Nov 2020 22:14  
 Operator : JU/CG  
 Sample : L4711-21DL 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B07DL

Quant Time: Nov 24 00:46:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 24 00:42:23 2020  
 Response via : Initial Calibration

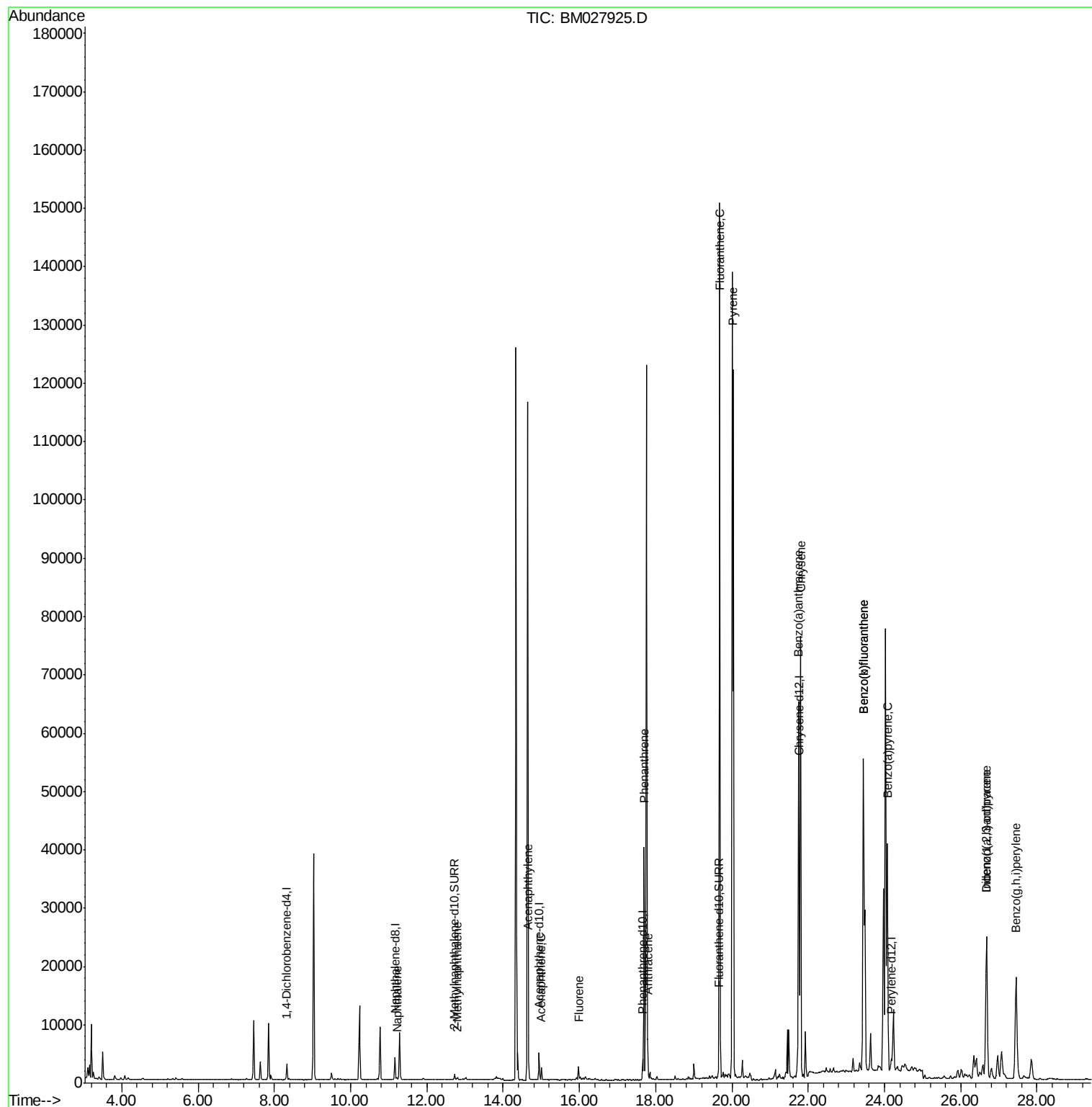
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.33  | 152  | 1333     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.16 | 136  | 4944     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.94 | 164  | 2518     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.66 | 188  | 4223     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.76 | 240  | 2893     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.18 | 264  | 2868     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.73 | 152  | 1018     | 0.12   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.65 | 212  | 1469     | 0.13   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.21 | 128  | 444      | 0.030  | ng/ul# | 69       |
| 5) 2-Methylnaphthalene      | 12.80 | 142  | 230      | 0.023  | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.67 | 152  | 624      | 0.051  | ng/ul# | 77       |
| 8) Acenaphthene             | 15.00 | 153  | 1209     | 0.131  | ng/ul  | 97       |
| 9) Fluorene                 | 15.98 | 166  | 1378     | 0.129  | ng/ul# | 98       |
| 12) Phenanthrene            | 17.70 | 178  | 41058    | 3.078  | ng/ul  | 97       |
| 13) Anthracene              | 17.79 | 178  | 6871     | 0.534  | ng/ul  | 99       |
| 15) Fluoranthene            | 19.68 | 202  | 124627   | 8.426  | ng/ul  | 99       |
| 17) Pyrene                  | 20.03 | 202  | 100204   | 6.820  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.74 | 228  | 57629    | 4.937  | ng/ul  | 100      |
| 19) Chrysene                | 21.80 | 228  | 73922    | 6.502  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 23.45 | 252  | 124943   | 10.366 | ng/ul  | 88       |
| 22) Benzo(k)fluoranthene    | 23.45 | 252  | 124855   | 10.578 | ng/ul# | 88       |
| 23) Benzo(a)pyrene          | 24.07 | 252  | 56377    | 5.350  | ng/ul# | 84       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.68 | 276  | 41228    | 3.613  | ng/ul# | 96       |
| 25) Dibenzo(a,h)anthracene  | 26.68 | 278  | 10628    | 1.119  | ng/ul  | 95       |
| 26) Benzo(a,h,i)perylene    | 27.45 | 276  | 39451    | 4.121  | ng/ul  | 93       |

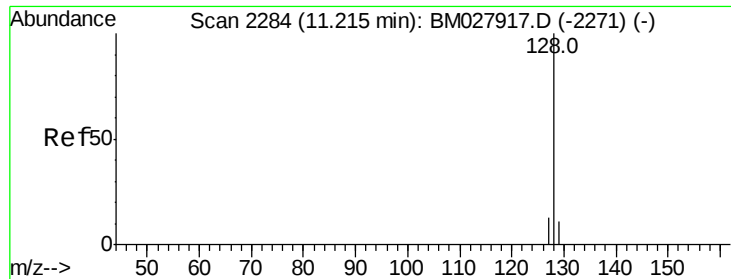
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\  
Data File : BM027925.D  
Acq On : 23 Nov 2020 22:14  
Operator : JU/CG  
Sample : L4711-21DL 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B07DL

Quant Time: Nov 24 00:46:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 24 00:42:23 2020  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.030 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

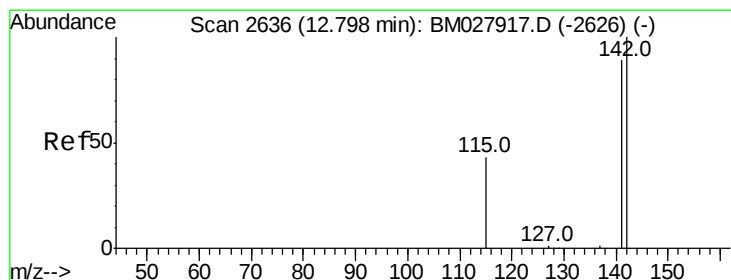
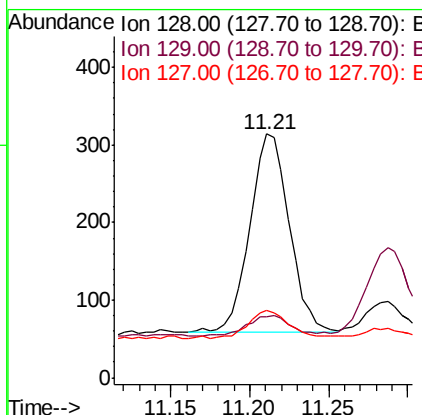
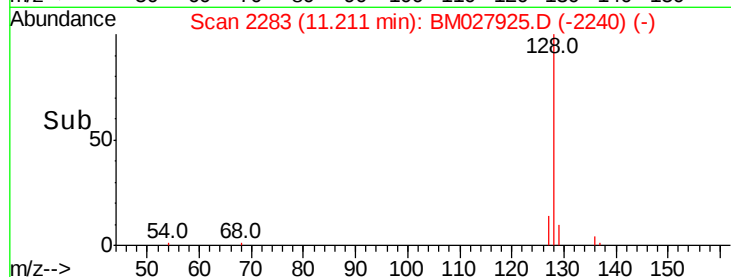
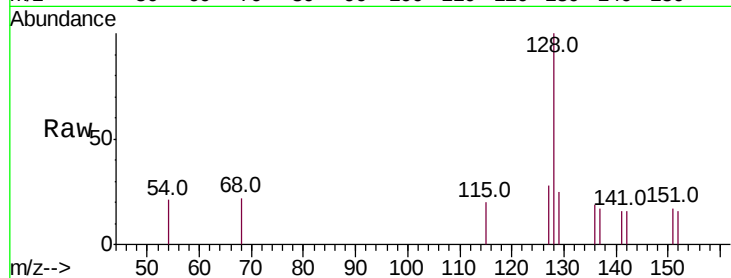
Tot Ion:128 Resp: 444

Ion Ratio Lower Upper

128 100

129 25.2 10.4 15.6#

127 27.7 12.0 18.0#



#5

2-Methylnaphthalene

Concen: 0.023 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BM027925.D

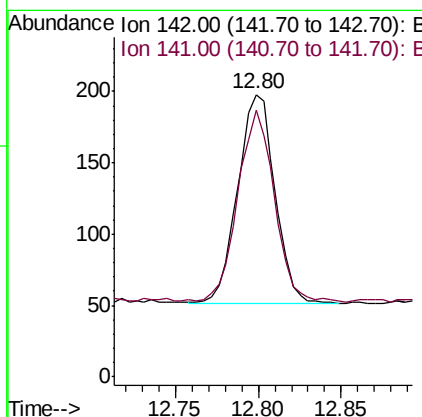
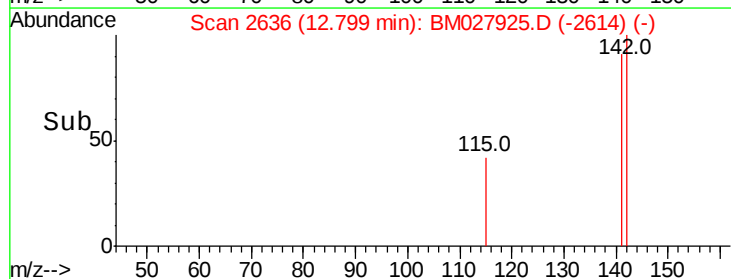
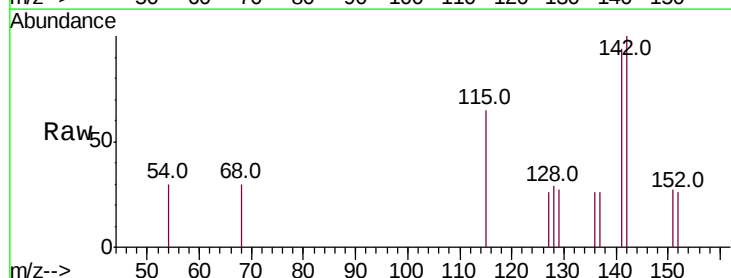
Acq: 23 Nov 2020 22:14

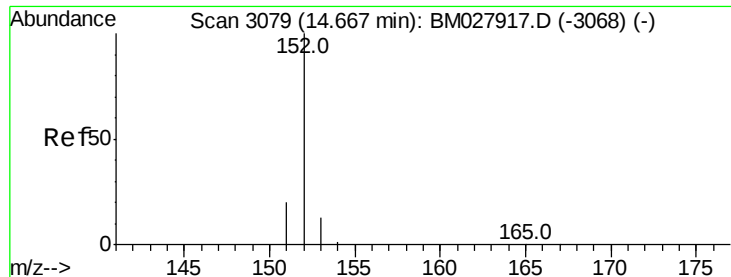
Tgt Ion:142 Resp: 230

Ion Ratio Lower Upper

142 100

141 90.9 71.6 107.4





#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

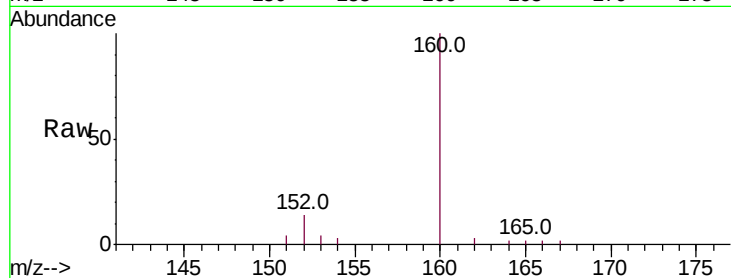
Tot Ion:152 Resp: 624

Ion Ratio Lower Upper

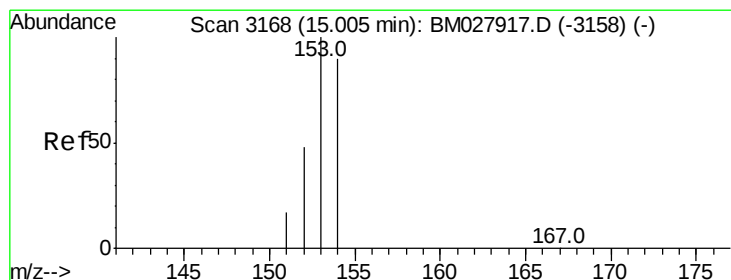
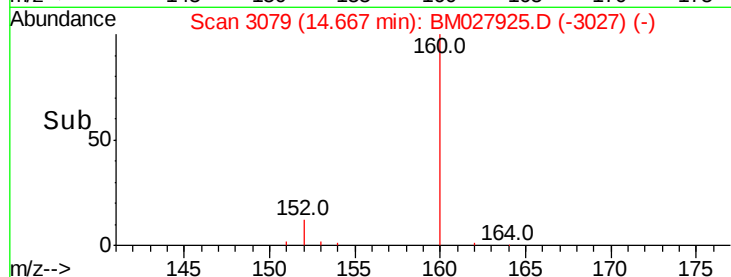
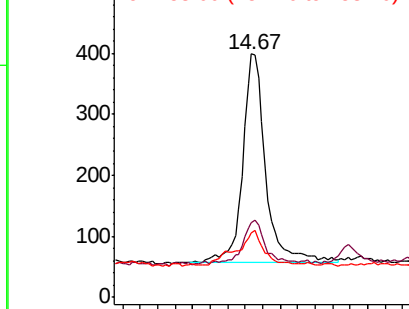
152 100

151 30.8 17.1 25.7#

153 26.6 12.0 18.0#



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: 0.131 ng/ul

RT: 15.00 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

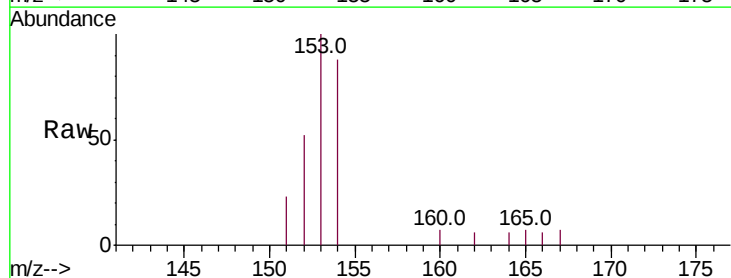
Tgt Ion:153 Resp: 1209

Ion Ratio Lower Upper

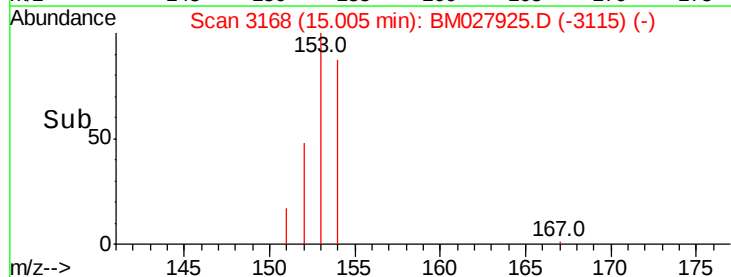
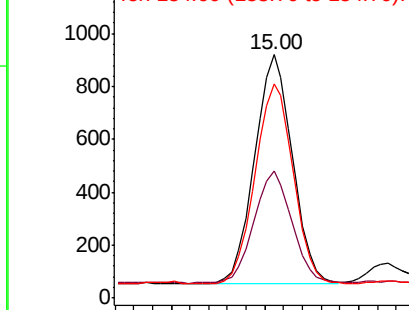
153 100

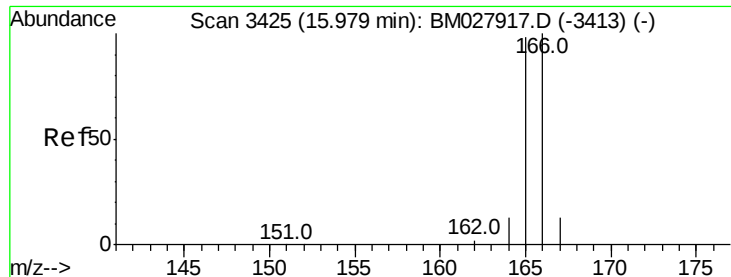
152 52.2 39.0 58.6

154 87.8 71.6 107.4



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





#9

Fluorene

Concen: 0.129 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

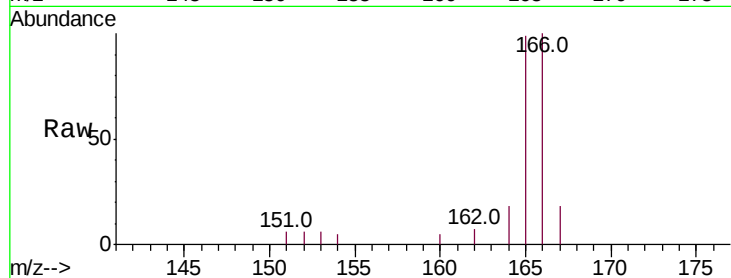
Tot Ion:166 Resp: 1378

Ion Ratio Lower Upper

166 100

165 99.2 78.1 117.1

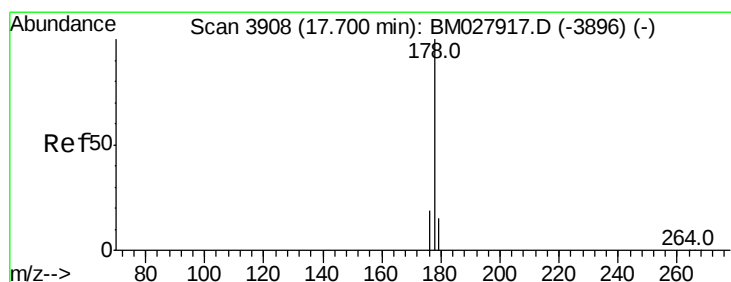
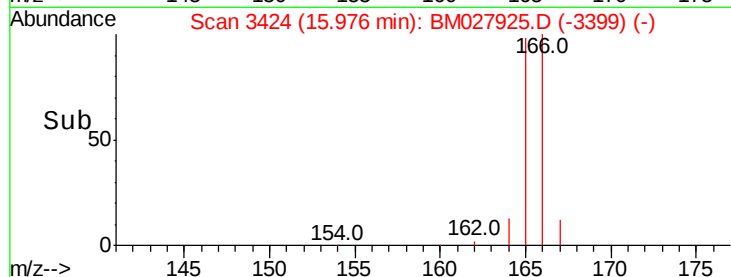
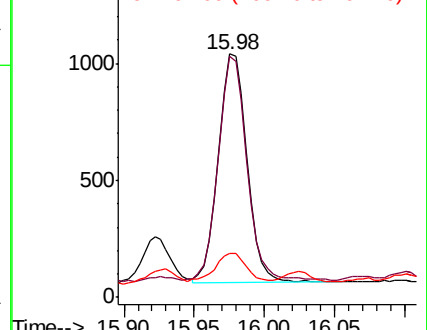
167 17.9 11.8 17.8#



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: 3.078 ng/ul

RT: 17.70 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

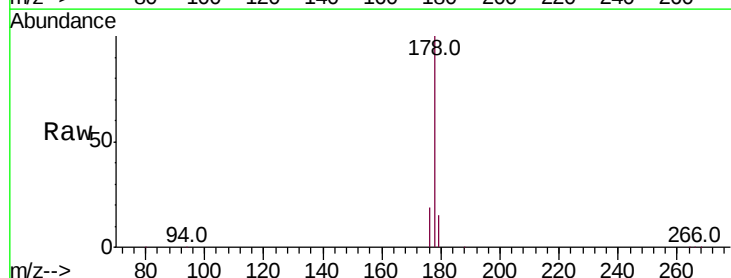
Tgt Ion:178 Resp: 41058

Ion Ratio Lower Upper

178 100

179 15.4 13.6 20.4

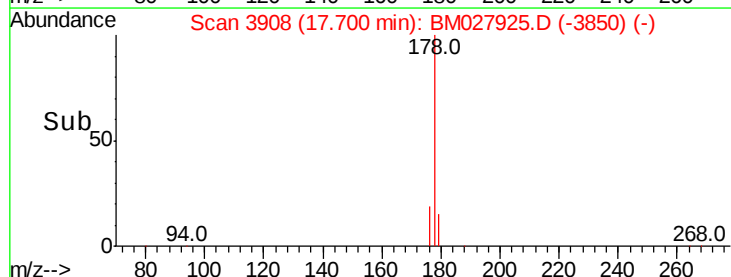
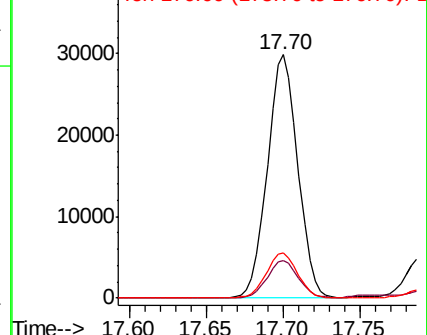
176 18.8 16.1 24.1

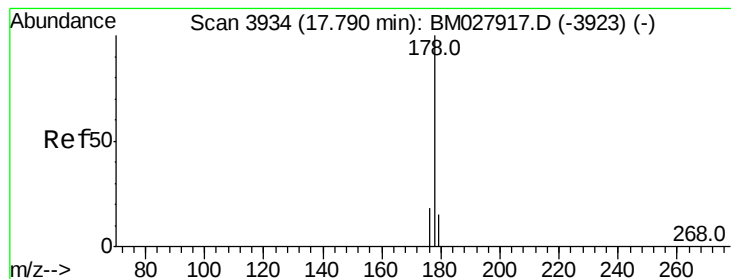


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.534 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

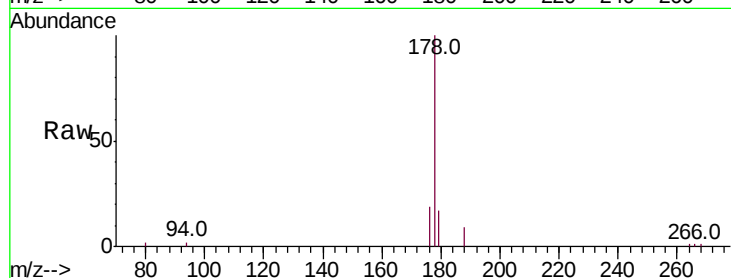
Tot Ion:178 Resp: 6871

Ion Ratio Lower Upper

178 100

179 16.6 13.4 20.2

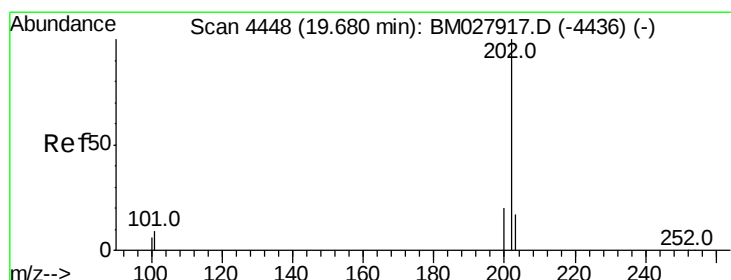
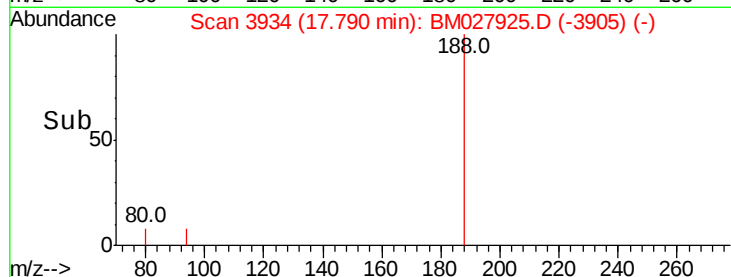
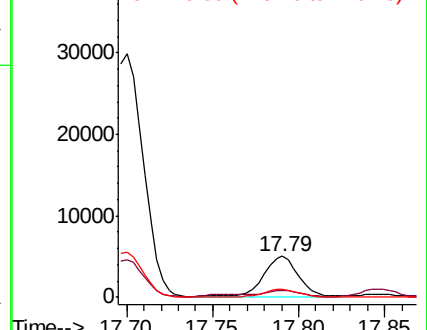
176 19.3 15.0 22.6



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: 8.426 ng/ul

RT: 19.68 min Scan# 4448

Delta R.T. 0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

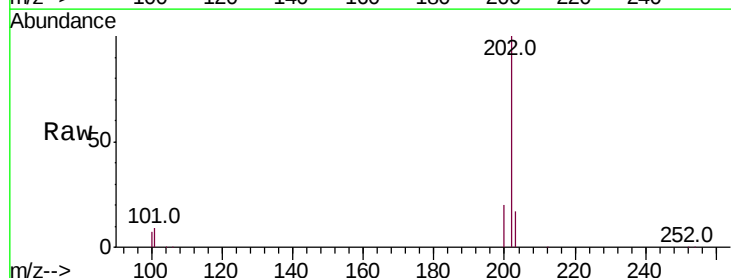
Tgt Ion:202 Resp: 124627

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.3

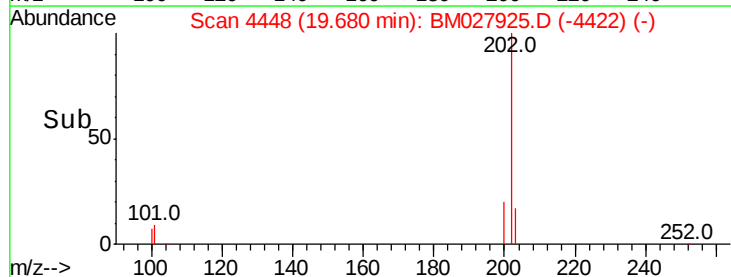
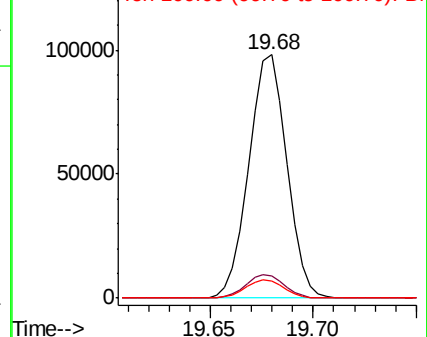
100 7.1 0.0 27.4

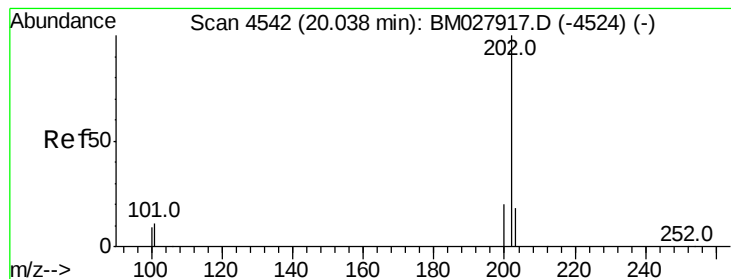


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 6.820 ng/ul

RT: 20.03 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

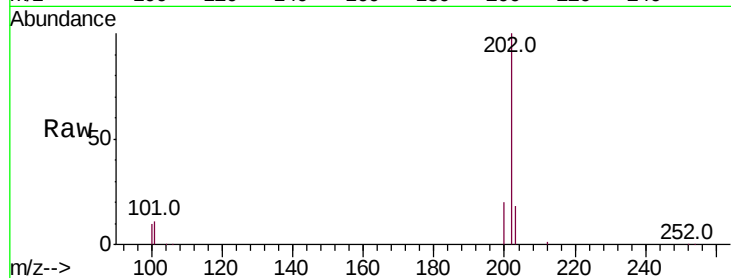
Tot Ion:202 Resp: 100204

Ion Ratio Lower Upper

202 100

101 11.4 8.2 12.2

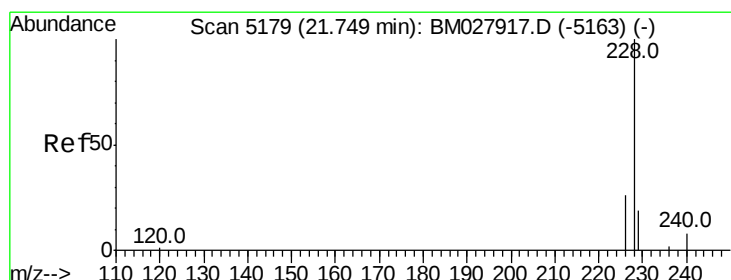
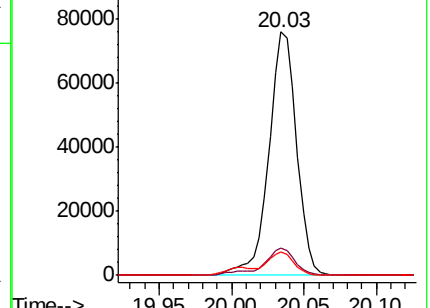
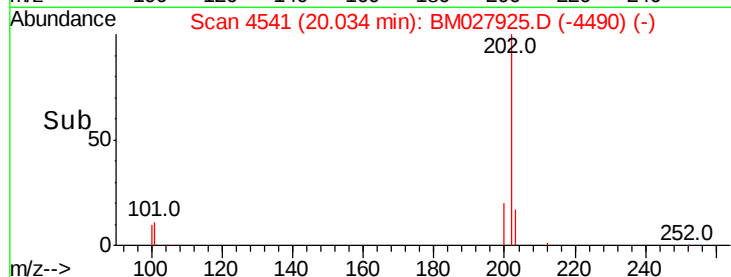
100 9.6 6.9 10.3



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: 4.937 ng/ul

RT: 21.74 min Scan# 5177

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

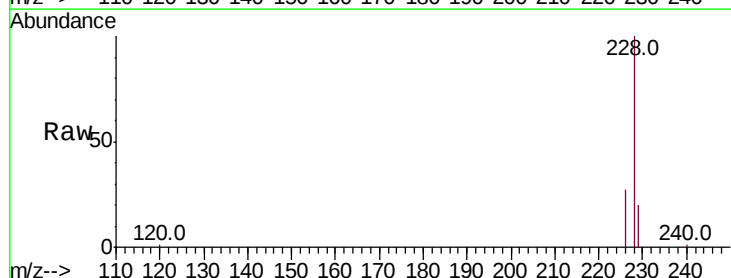
Tgt Ion:228 Resp: 57629

Ion Ratio Lower Upper

228 100

229 20.5 16.2 24.4

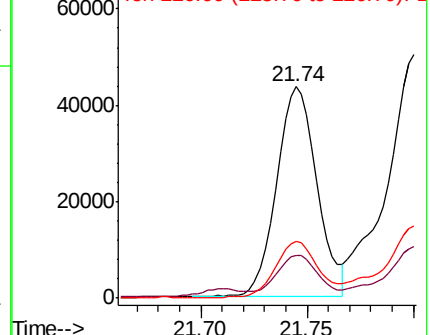
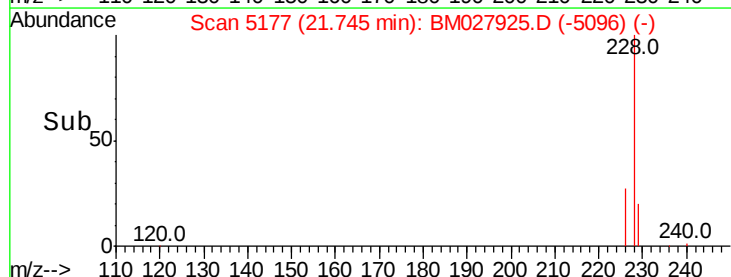
226 27.1 21.5 32.3

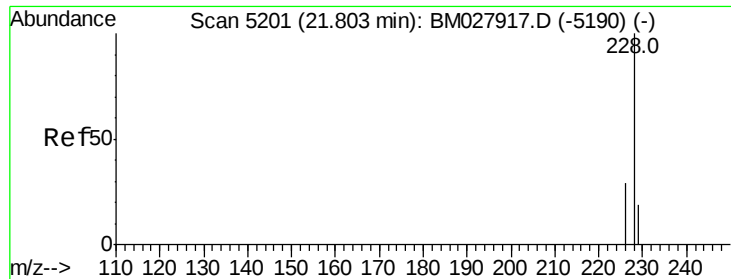


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 6.502 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

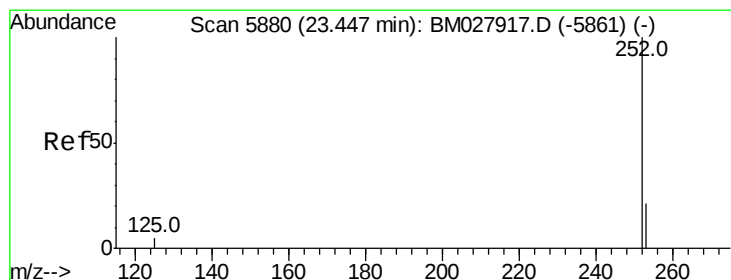
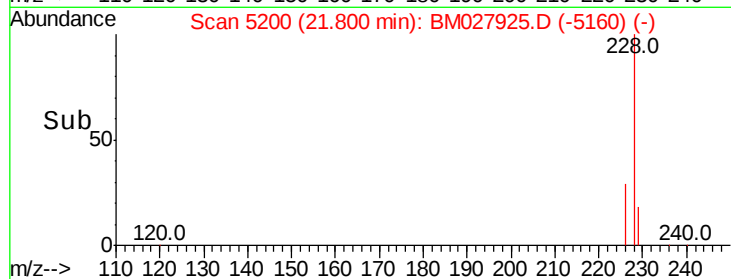
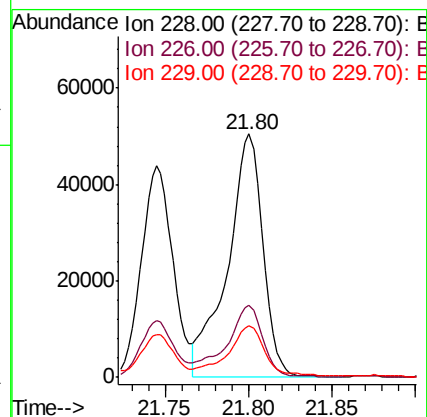
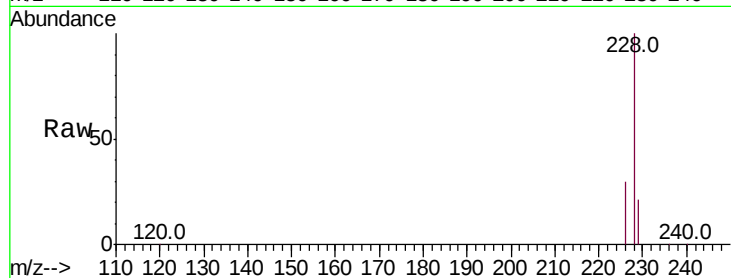
Tot Ion:228 Resp: 73922

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 21.1 16.6 24.8



#21

Benzo(b)fluoranthene

Concen: 10.366 ng/ul

RT: 23.45 min Scan# 5879

Delta R.T. -0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

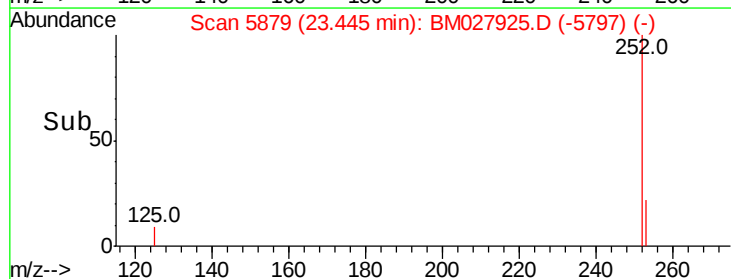
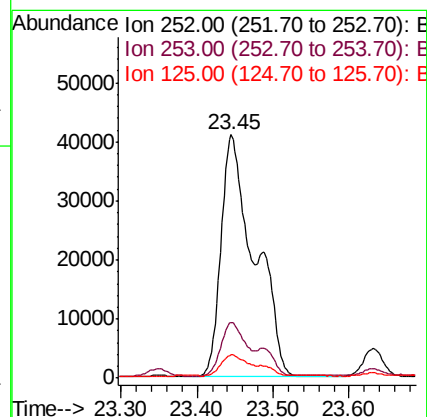
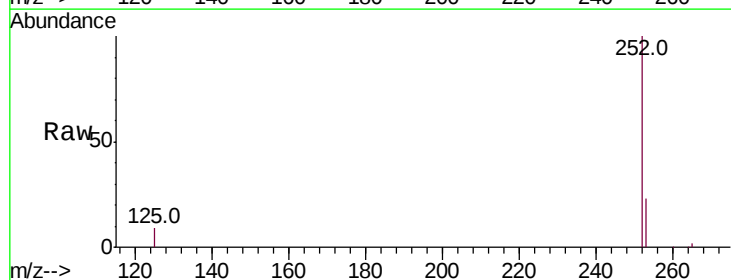
Tgt Ion:252 Resp: 124943

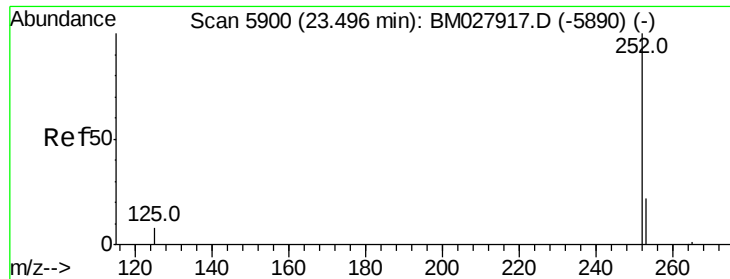
Ion Ratio Lower Upper

252 100

253 23.0 0.0 59.6

125 9.5 0.0 28.4





#22

Benzo(k)fluoranthene

Concen: 10.578 ng/ul

RT: 23.45 min Scan# 5879

Delta R.T. -0.05 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

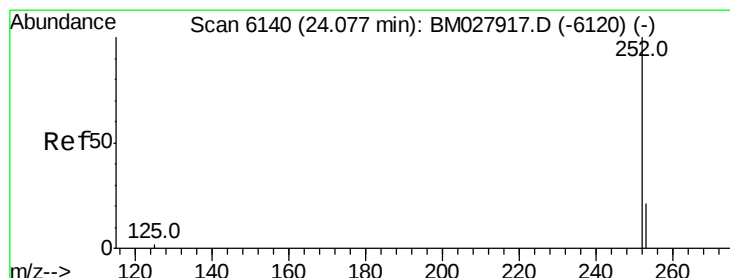
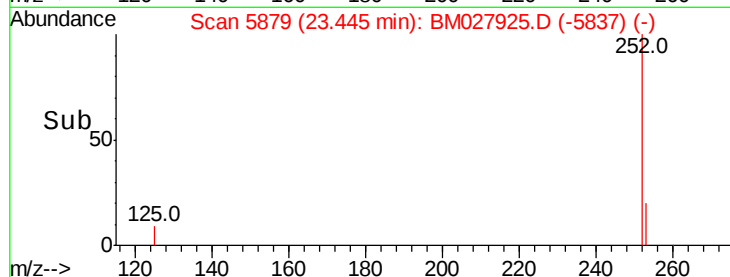
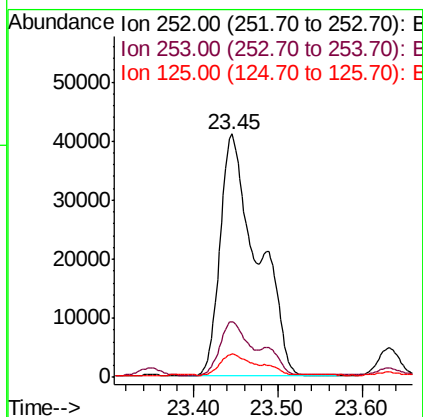
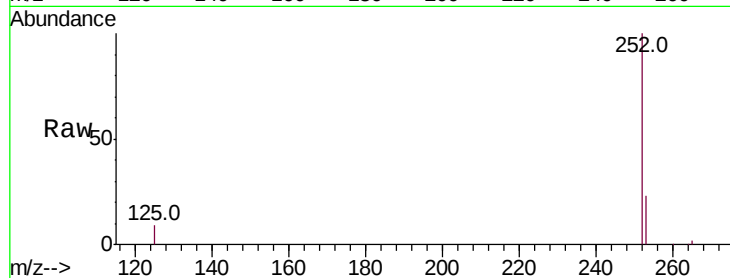
Tot Ion:252 Resp: 124855

Ion Ratio Lower Upper

252 100

253 23.0 23.2 34.8#

125 9.5 11.8 17.6#



#23

Benzo(a)pyrene

Concen: 5.350 ng/ul

RT: 24.07 min Scan# 6139

Delta R.T. 0.00 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

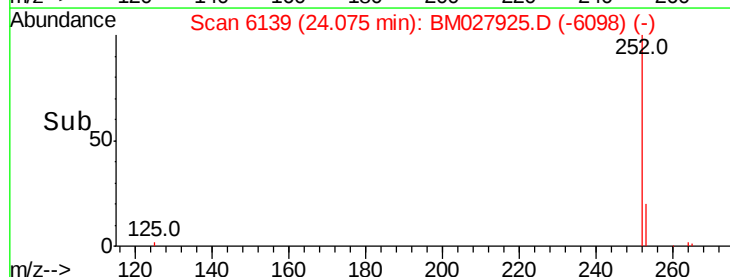
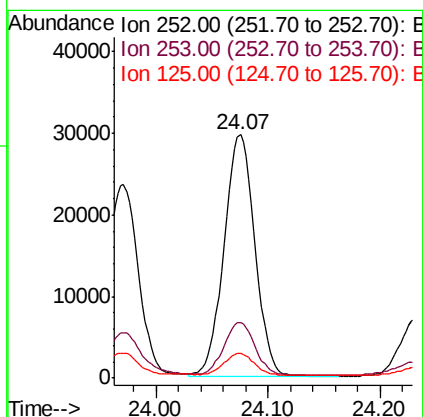
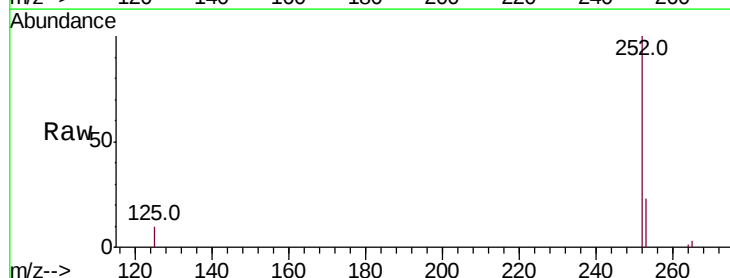
Tgt Ion:252 Resp: 56377

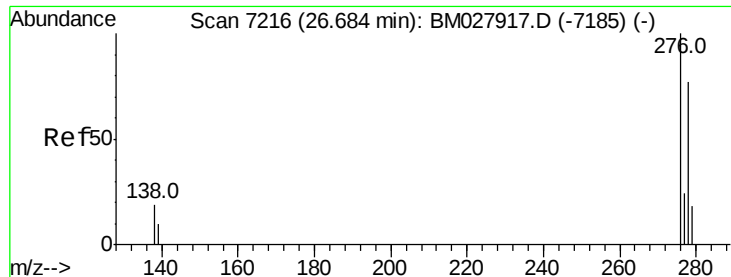
Ion Ratio Lower Upper

252 100

253 23.0 25.2 37.8#

125 10.0 13.8 20.6#



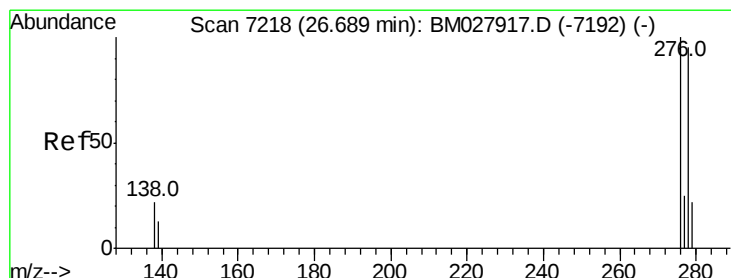
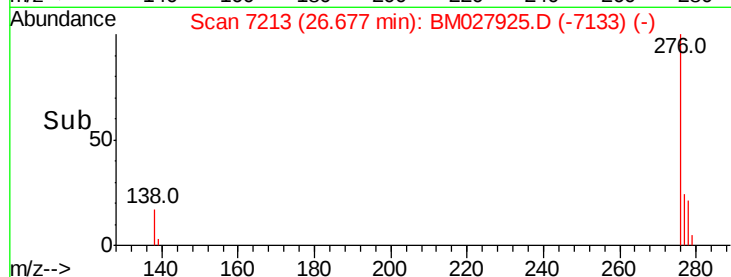
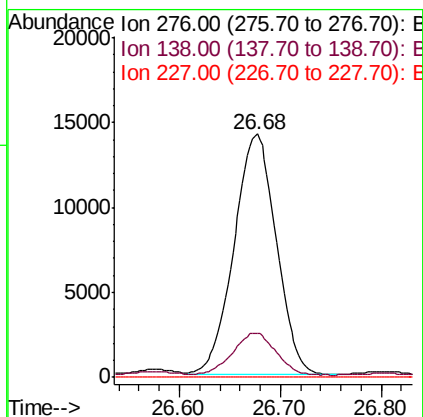
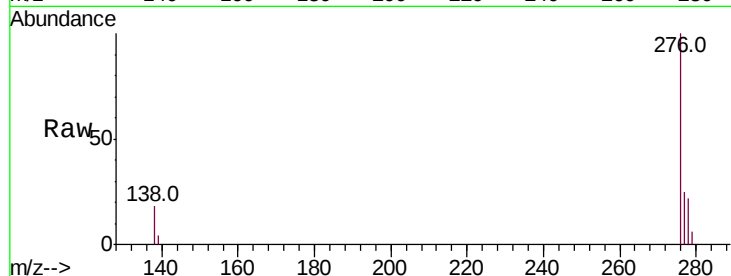


#24

Indeno(1,2,3-cd)pyrene  
Concen: 3.613 ng/ul  
RT: 26.68 min Scan# 7213  
Delta R.T. -0.01 min  
Lab File: BM027925.D  
Acq: 23 Nov 2020 22:14

Instrument :  
BNA\_M  
ClientSampleId :  
C0B07DL

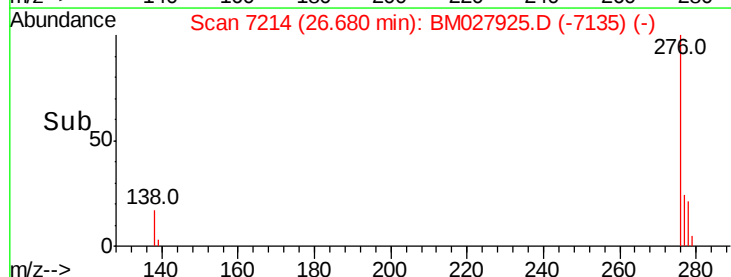
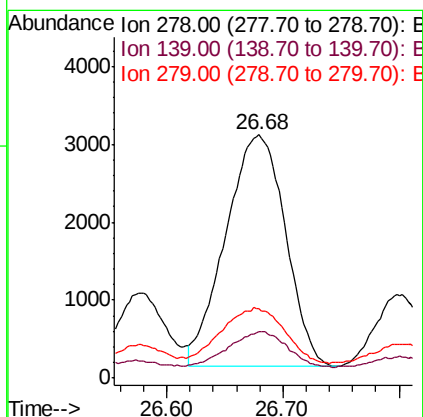
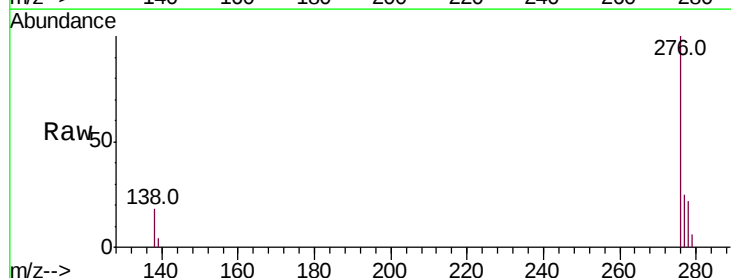
Tot Ion:276 Resp: 41228  
Ion Ratio Lower Upper  
276 100  
138 17.9 15.7 23.5  
227 0.0 0.0 0.0

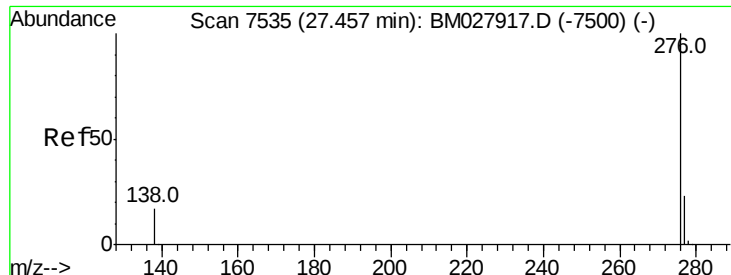


#25

Dibenzo(a,h)anthracene  
Concen: 1.119 ng/ul  
RT: 26.68 min Scan# 7214  
Delta R.T. -0.01 min  
Lab File: BM027925.D  
Acq: 23 Nov 2020 22:14

Tgt Ion:278 Resp: 10628  
Ion Ratio Lower Upper  
278 100  
139 19.3 14.8 22.2  
279 28.6 25.8 38.6





#26

Benzo(a,h,i)perylene

Concen: 4.121 ng/ul

RT: 27.45 min Scan# 7531

Delta R.T. -0.01 min

Lab File: BM027925.D

Acq: 23 Nov 2020 22:14

Instrument :

BNA\_M

ClientSampleId :

C0B07DL

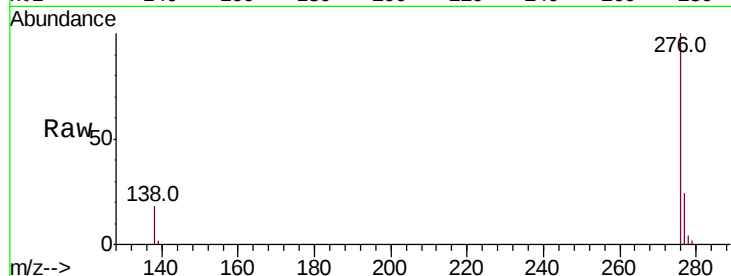
Tot Ion:276 Resp: 39451

Ion Ratio Lower Upper

276 100

138 18.3 17.4 26.2

277 24.4 22.5 33.7



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

