

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM031518\  
 Data File : BM014595.D  
 Acq On : 16 Mar 2018 02:28  
 Operator : SJ/JU  
 Sample : J1904-09  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEL21

Quant Time: Mar 16 15:25:10 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031518-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 16 15:09:29 2018  
 Response via : Initial Calibration

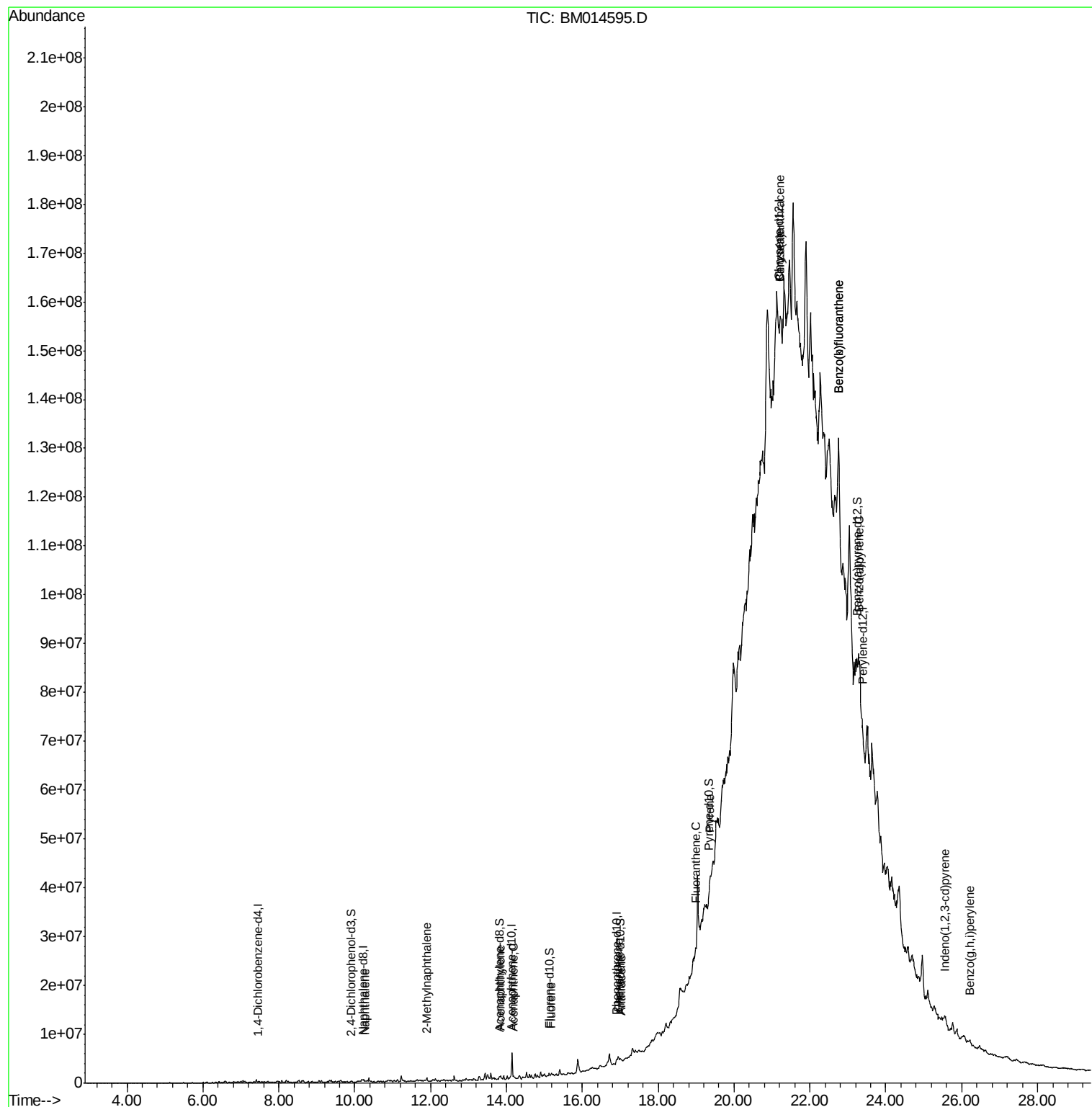
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.45  | 152  | 87183    | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.22 | 136  | 318429   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.12 | 164  | 179394   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 16.91 | 188  | 374815   | 20.00  | ng/ul  | 0.02     |
| 18) Chrysene-d12            | 21.19 | 240  | 1290655  | 20.00  | ng/ul  | 0.07     |
| 23) Perylene-d12            | 23.40 | 264  | 992889   | 20.00  | ng/ul  | 0.12     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 9.89  | 165  | 87308    | 17.74  | ng/ul  | 0.00     |
| 7) Acenaphthylene-d8        | 13.81 | 160  | 329398   | 17.18  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.13 | 176  | 229171   | 18.25  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.00 | 188  | 355337   | 19.80  | ng/ul  | 0.01     |
| 19) Pyrene-d10              | 19.33 | 212  | 576322   | 7.43   | ng/ul  | 0.03     |
| 26) Benzo(a)pyrene-d12      | 23.26 | 264  | 993511   | 20.68  | ng/ul  | 0.12     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 4) Naphthalene              | 10.27 | 128  | 141545   | 8.752  | ng/ul  | 97       |
| 5) 2-Methylnaphthalene      | 11.90 | 142  | 315064   | 27.841 | ng/ul  | 92       |
| 8) Acenaphthylene           | 13.85 | 152  | 55051    | 3.094  | ng/ul# | 50       |
| 9) Acenaphthene             | 14.19 | 153  | 134705   | 11.061 | ng/ul  | 98       |
| 11) Fluorene                | 15.19 | 166  | 160344   | 11.111 | ng/ul# | 98       |
| 14) Phenanthrene            | 16.95 | 178  | 858542   | 40.901 | ng/ul# | 93       |
| 16) Anthracene              | 17.04 | 178  | 153769   | 7.328  | ng/ul# | 72       |
| 17) Fluoranthene            | 18.99 | 202  | 1396160  | 58.596 | ng/ul# | 87       |
| 20) Pyrene                  | 19.36 | 202  | 2872082  | 29.589 | ng/ul# | 85       |
| 21) Benzo(a)anthracene      | 21.19 | 228  | 3313358  | 40.596 | ng/ul# | 60       |
| 22) Chrysene                | 21.19 | 228  | 3316660  | 44.195 | ng/ul# | 64       |
| 24) Benzo(b)fluoranthene    | 22.76 | 252  | 1501429  | 24.052 | ng/ul# | 1        |
| 25) Benzo(k)fluoranthene    | 22.76 | 252  | 2538703  | 42.808 | ng/ul# | 1        |
| 27) Benzo(a)pyrene          | 23.31 | 252  | 1101904  | 18.597 | ng/ul# | 1        |
| 28) Indeno(1,2,3-cd)pyrene  | 25.56 | 276  | 409531   | 6.005  | ng/ul# | 71       |
| 30) Benzo(g,h,i)perylene    | 26.21 | 276  | 372675   | 6.860  | ng/ul# | 71       |

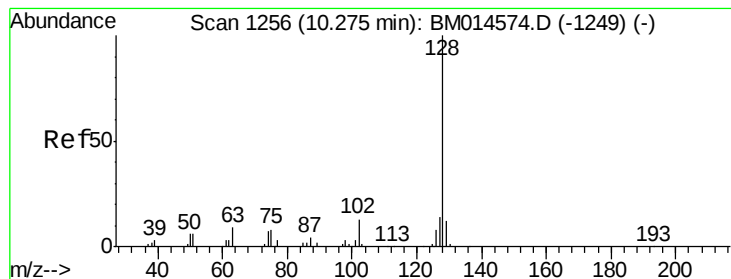
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_M\DATA\BM031518\  
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BNA\_M  
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BEL21

Quant Time: Mar 16 15:25:10 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031518-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 16 15:09:29 2018  
Response via : Initial Calibration





#4

Naphthalene

Concen: 8.752 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampled :

BEL21

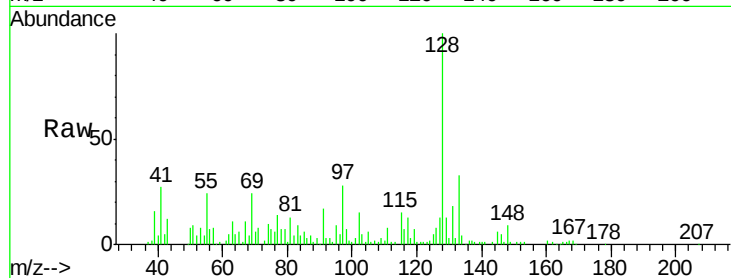
Tgt Ion:128 Resp: 141545

Ion Ratio Lower Upper

128 100

129 13.1 8.8 13.2

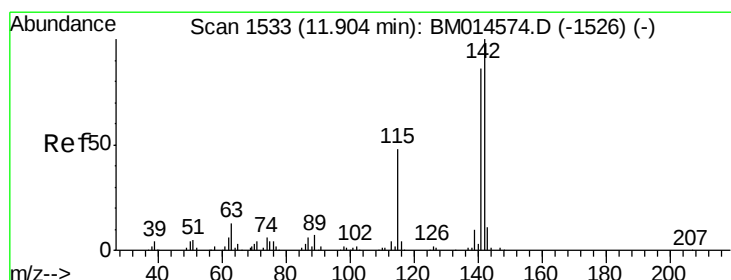
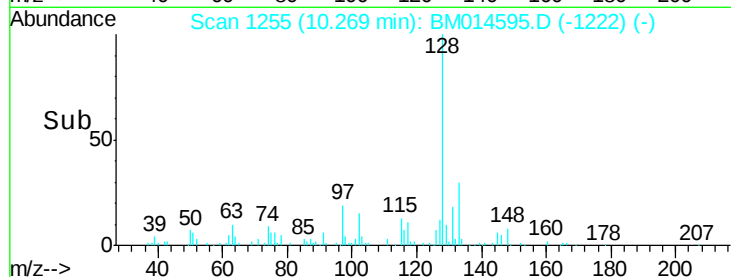
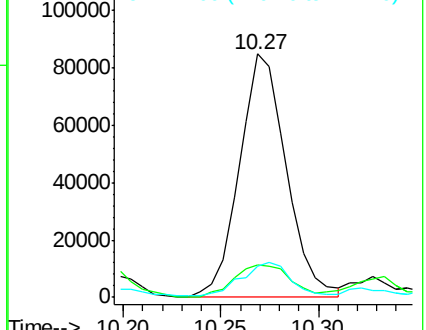
127 12.7 10.6 16.0



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: 27.841 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BM014595.D

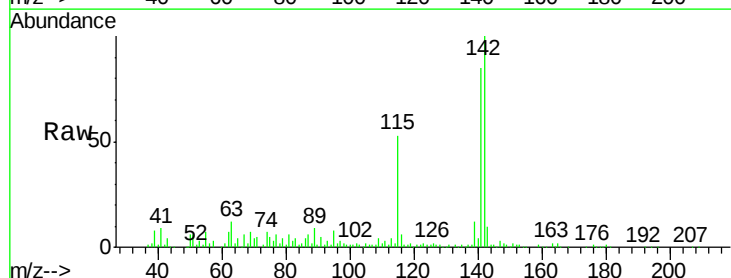
Acq: 16 Mar 2018 02:28

Tgt Ion:142 Resp: 315064

Ion Ratio Lower Upper

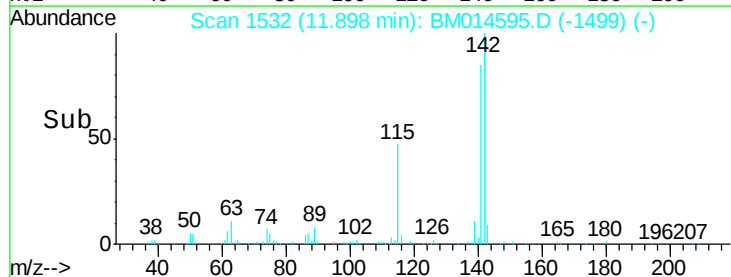
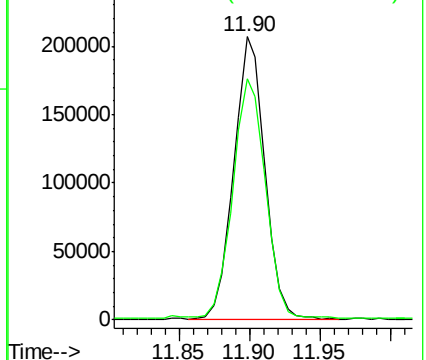
142 100

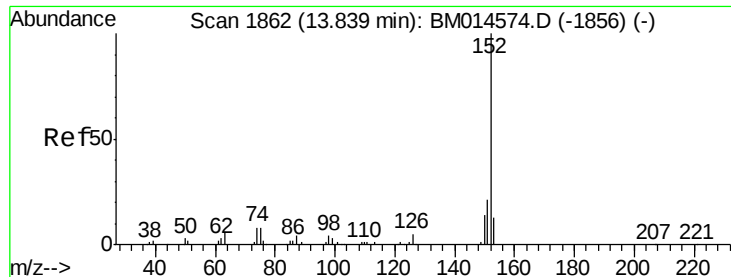
141 85.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 3.094 ng/ul

RT: 13.85 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

BEL21

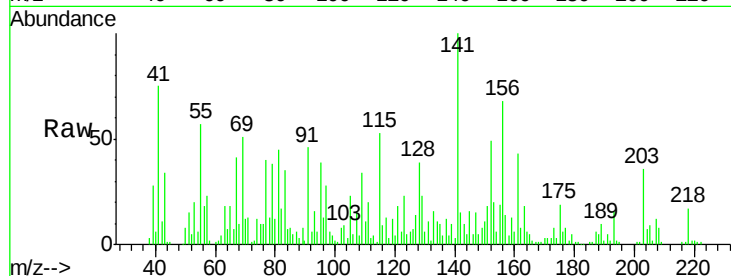
Tgt Ion:152 Resp: 55051

Ion Ratio Lower Upper

152 100

151 37.7 16.3 24.5#

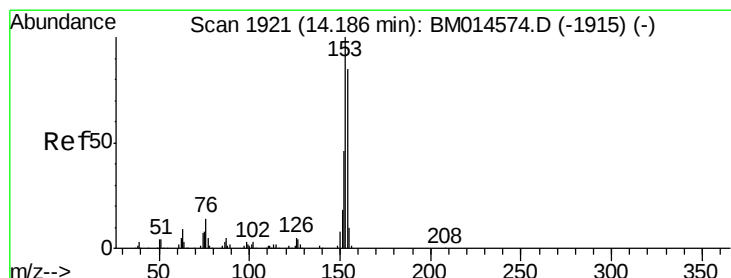
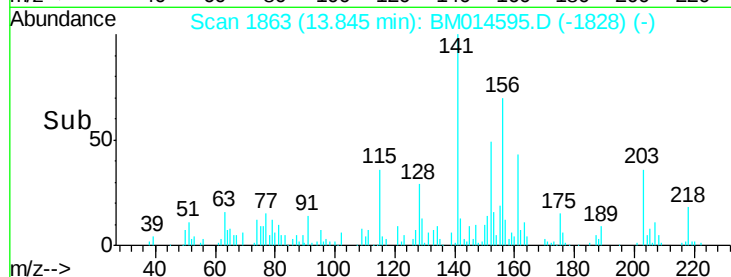
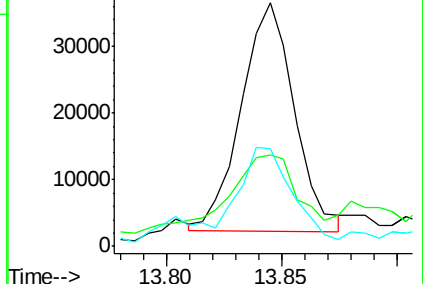
153 40.3 10.2 15.4#



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

Acenaphthene

Concen: 11.061 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

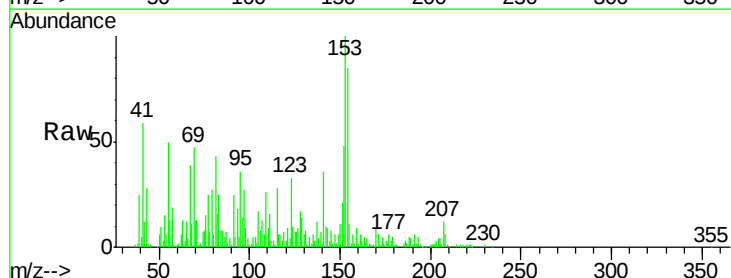
Tgt Ion:153 Resp: 134705

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

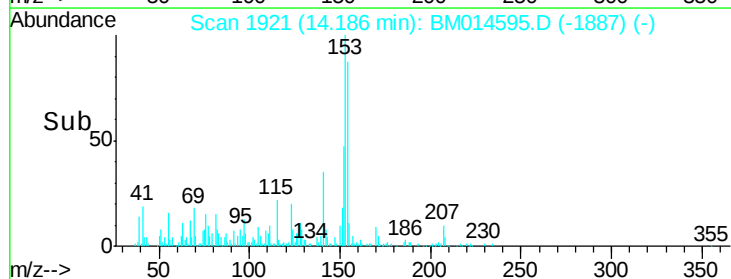
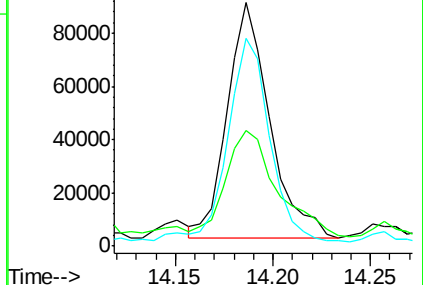
154 85.3 70.4 105.6

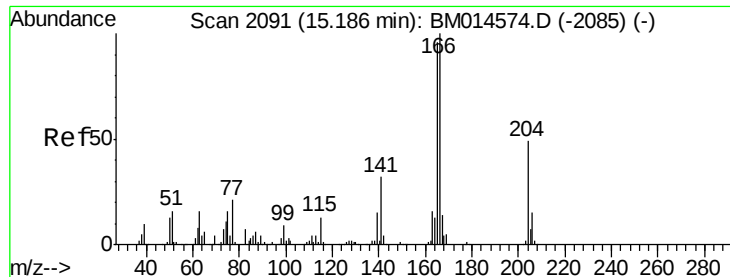


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 11.111 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

BEL21

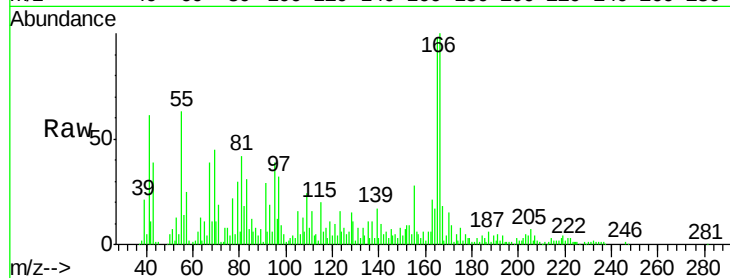
Tgt Ion:166 Resp: 160344

Ion Ratio Lower Upper

166 100

165 98.3 77.9 116.9

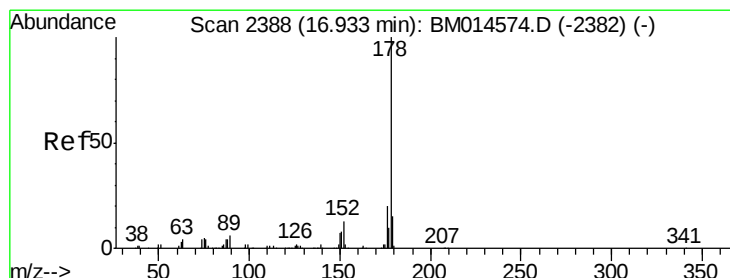
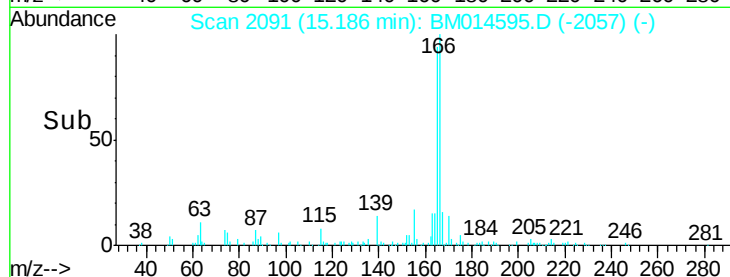
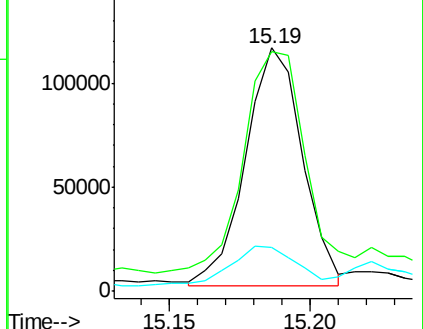
167 18.3 10.6 16.0#



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



#14

Phenanthrene

Concen: 40.901 ng/ul

RT: 16.95 min Scan# 2391

Delta R.T. 0.02 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

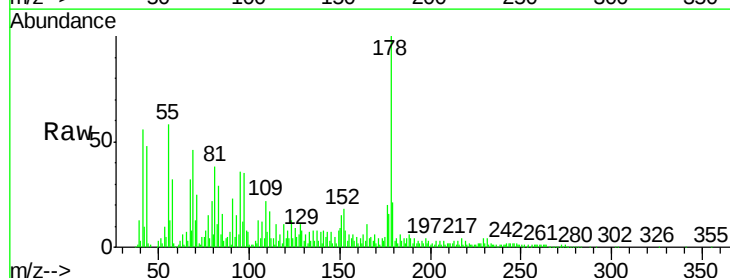
Tgt Ion:178 Resp: 858542

Ion Ratio Lower Upper

178 100

179 20.6 12.6 19.0#

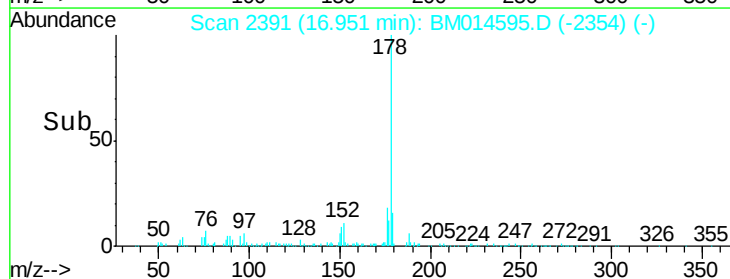
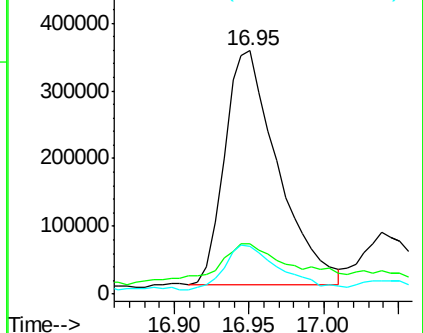
176 19.8 14.9 22.3

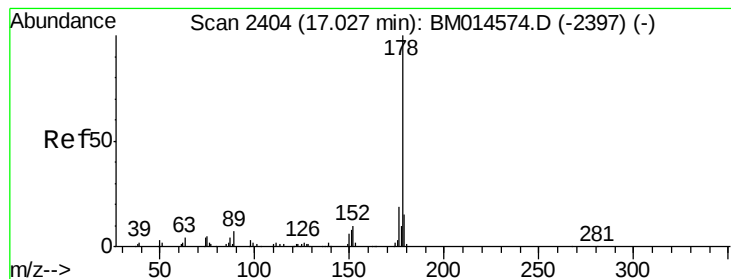


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 7.328 ng/ul

RT: 17.04 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

BEL21

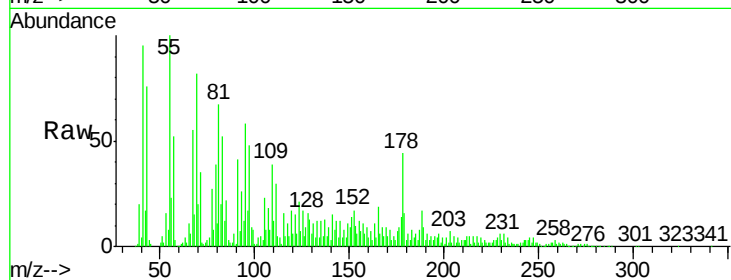
Tgt Ion:178 Resp: 153769

Ion Ratio Lower Upper

178 100

179 37.0 11.7 17.5#

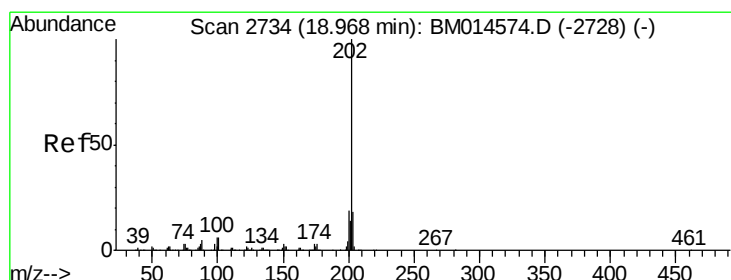
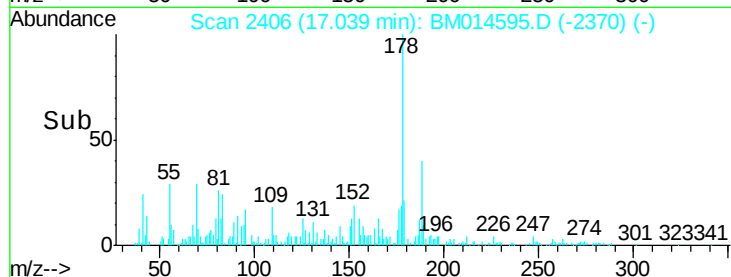
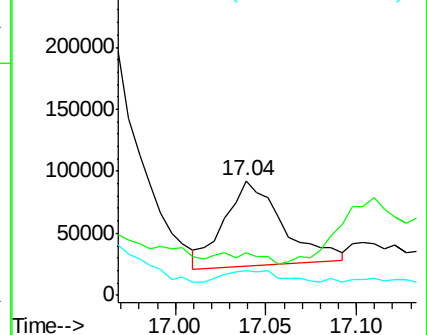
176 21.1 14.6 21.8



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



#17

Fluoranthene

Concen: 58.596 ng/ul

RT: 18.99 min Scan# 2738

Delta R.T. 0.02 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

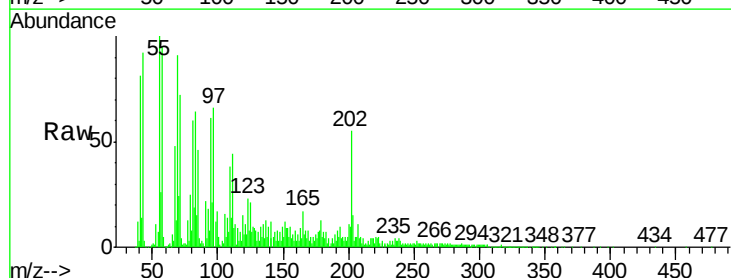
Tgt Ion:202 Resp: 1396160

Ion Ratio Lower Upper

202 100

101 9.7 4.6 7.0#

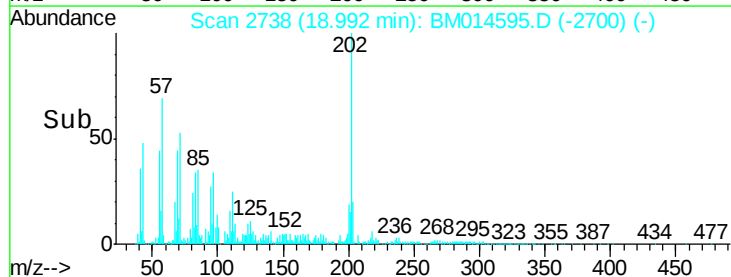
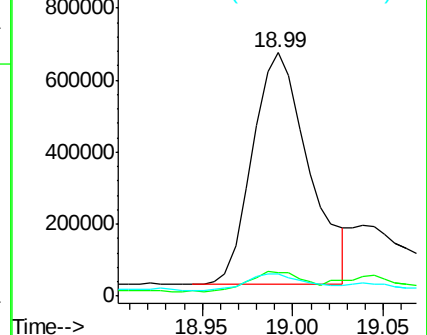
100 9.0 3.4 5.2#

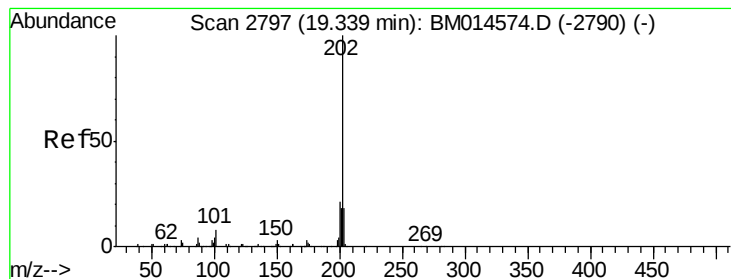


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pyrene

Concen: 29.589 ng/ul

RT: 19.36 min Scan# 2801

Delta R.T. 0.02 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

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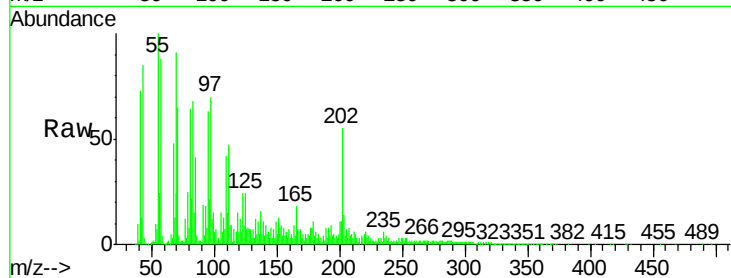
Tgt Ion:202 Resp: 2872082

Ion Ratio Lower Upper

202 100

101 11.9 5.1 7.7#

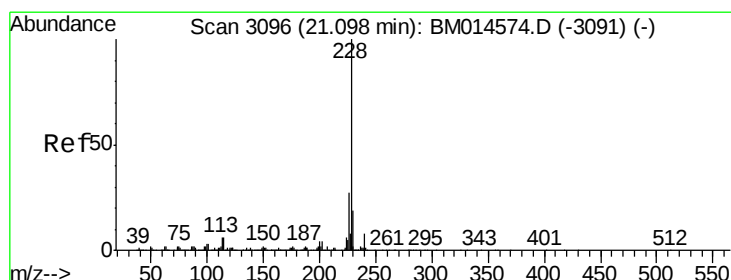
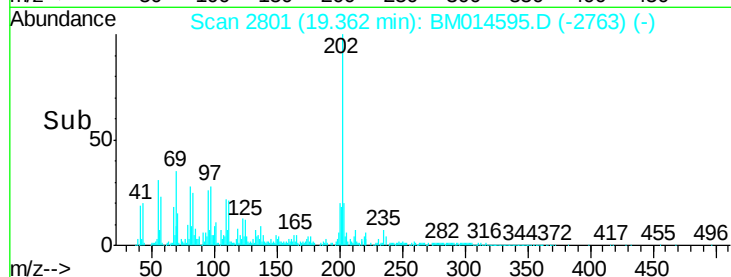
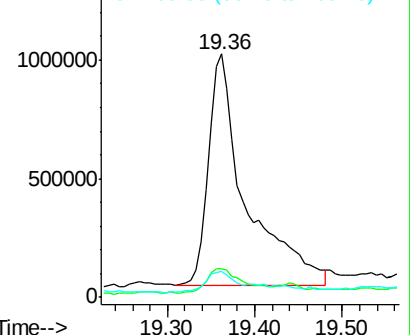
100 10.7 4.9 7.3#



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



#21

Benzo(a)anthracene

Concen: 40.596 ng/ul

RT: 21.19 min Scan# 3112

Delta R.T. 0.09 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

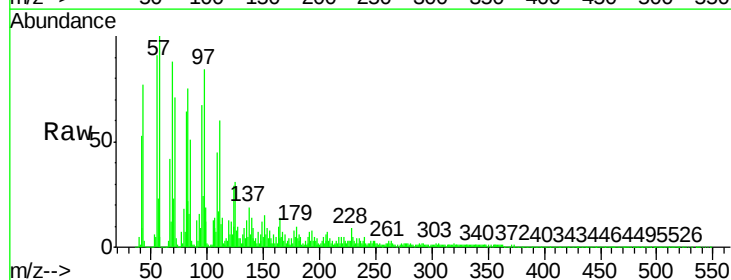
Tgt Ion:228 Resp: 3313358

Ion Ratio Lower Upper

228 100

229 51.6 15.4 23.0#

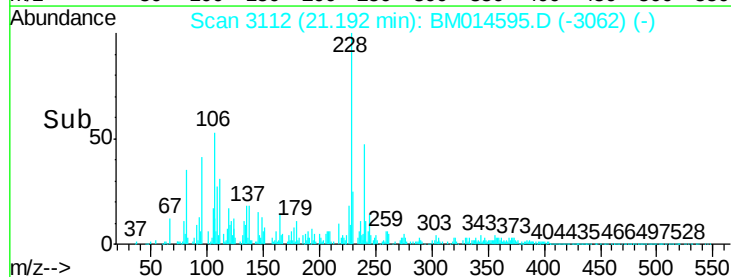
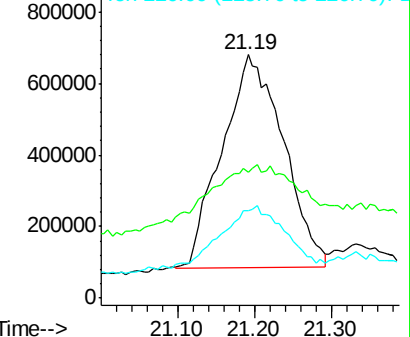
226 35.8 21.4 32.0#

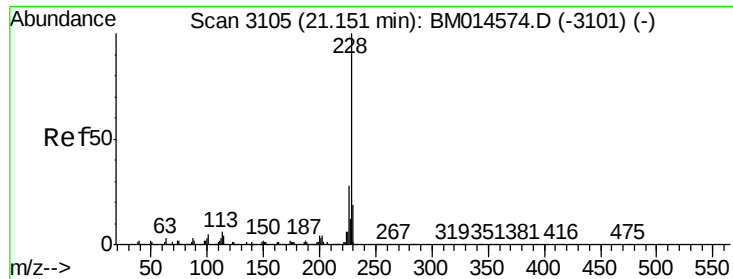


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 44.195 ng/ul

RT: 21.19 min Scan# 3112

Delta R.T. 0.04 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

BEL21

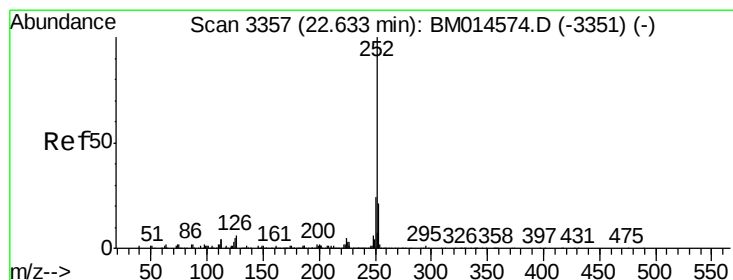
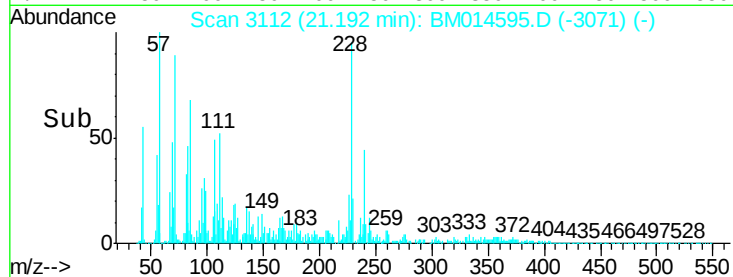
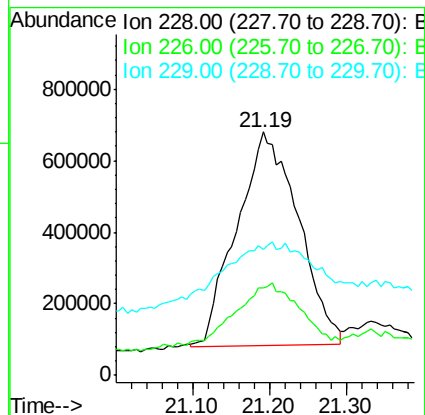
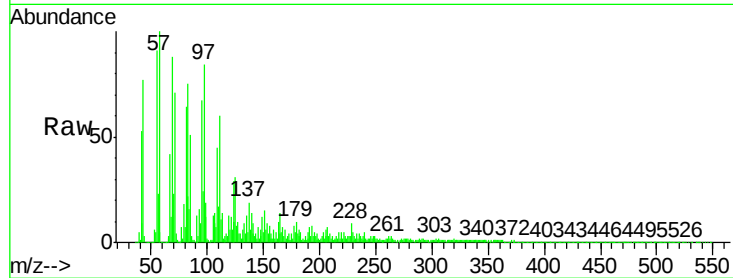
Tgt Ion:228 Resp: 3316660

Ion Ratio Lower Upper

228 100

226 35.8 23.4 35.2#

229 51.6 15.5 23.3#



#24

Benzo(b)fluoranthene

Concen: 24.052 ng/ul

RT: 22.76 min Scan# 3378

Delta R.T. 0.12 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

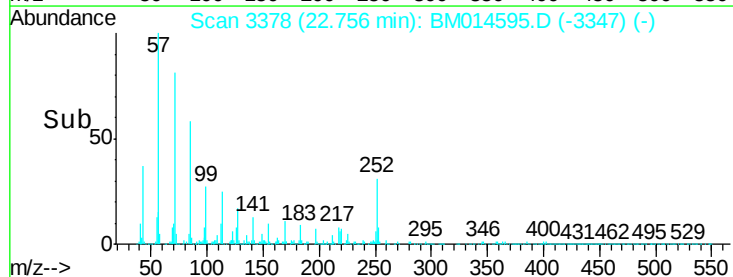
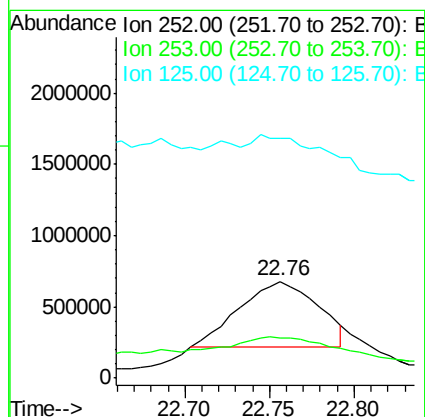
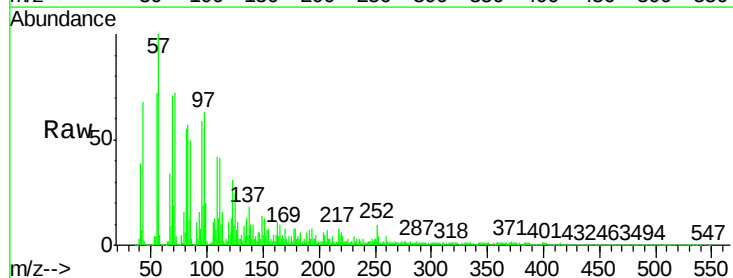
Tgt Ion:252 Resp: 1501429

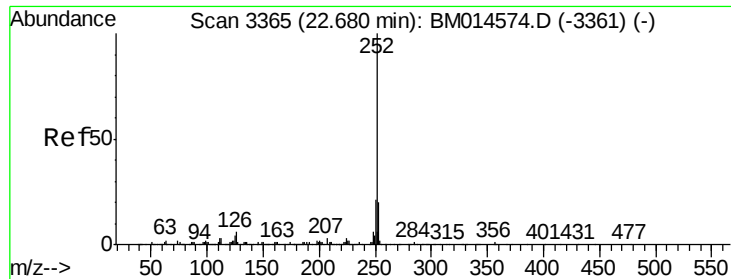
Ion Ratio Lower Upper

252 100

253 41.8 17.9 26.9#

125 248.5 3.6 5.4#





#25

Benzo(k)fluoranthene

Concen: 42.808 ng/ul

RT: 22.76 min Scan# 3378

Delta R.T. 0.08 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

BEL21

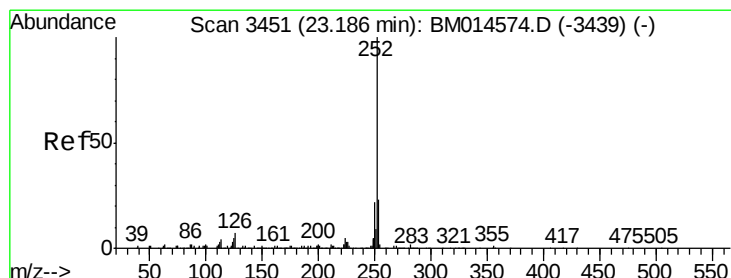
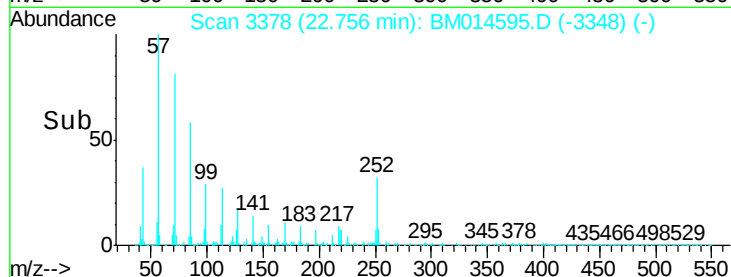
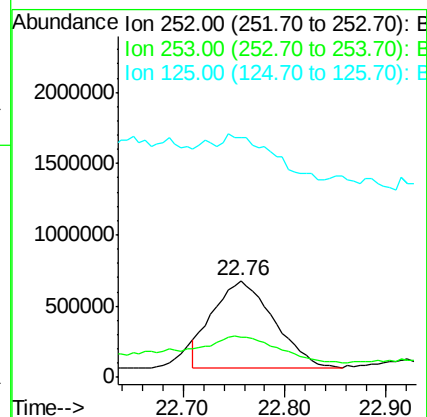
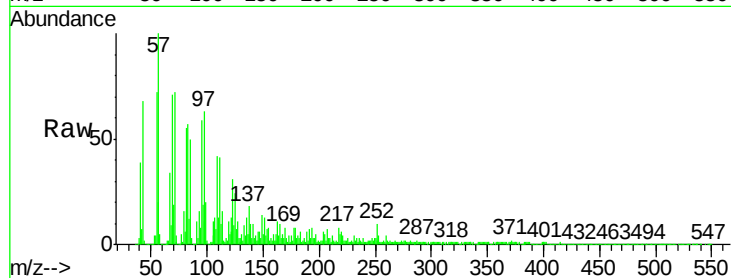
Tgt Ion:252 Resp: 2538703

Ion Ratio Lower Upper

252 100

253 41.8 17.1 25.7#

125 248.5 3.4 5.2#



#27

Benzo(a)pyrene

Concen: 18.597 ng/ul

RT: 23.31 min Scan# 3472

Delta R.T. 0.12 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

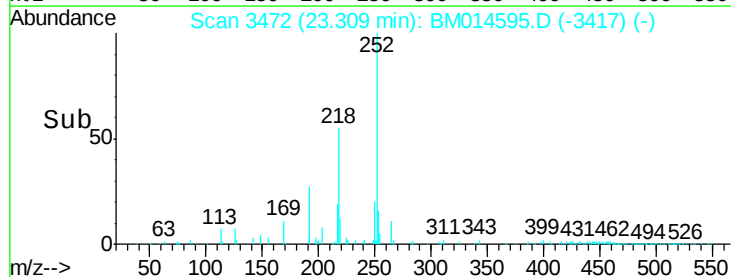
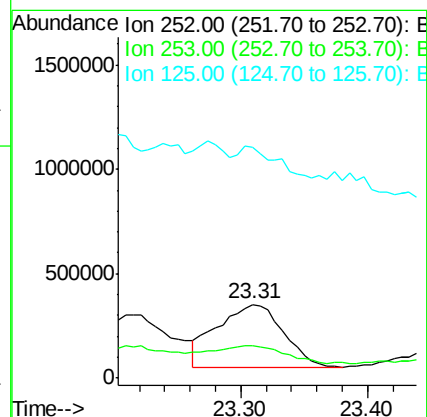
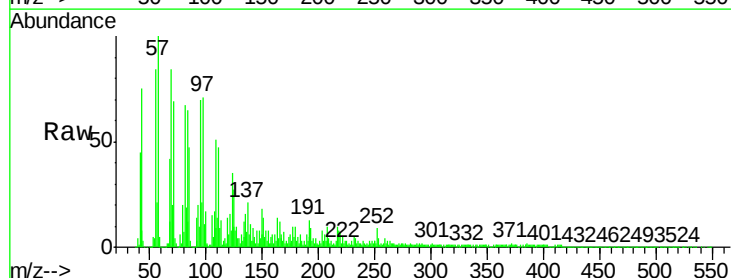
Tgt Ion:252 Resp: 1101904

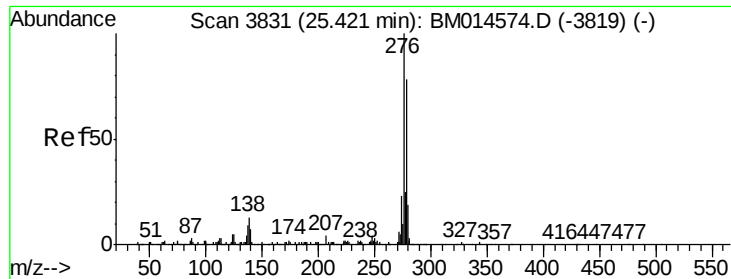
Ion Ratio Lower Upper

252 100

253 44.5 18.2 27.2#

125 313.5 4.0 6.0#





#28

Indeno(1,2,3-cd)pyrene

Concen: 6.005 ng/ul

RT: 25.56 min Scan# 3854

Delta R.T. 0.14 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA\_M

ClientSampleId :

BEL21

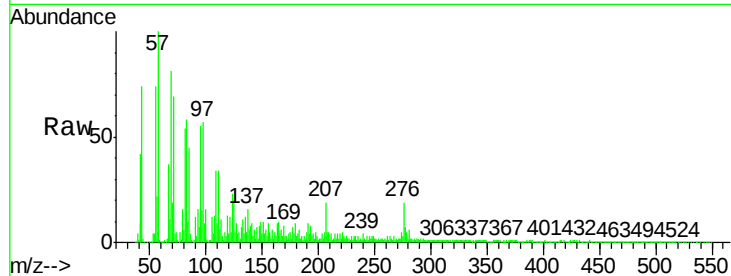
Tgt Ion:276 Resp: 409531

Ion Ratio Lower Upper

276 100

138 31.7 9.3 13.9#

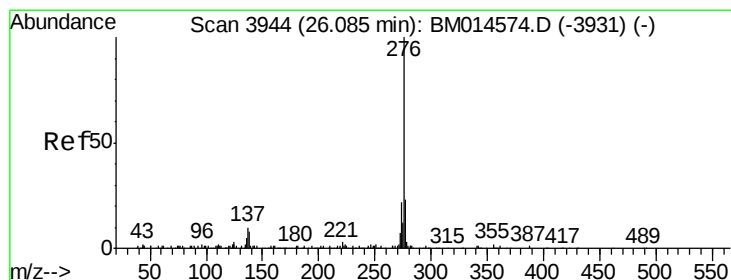
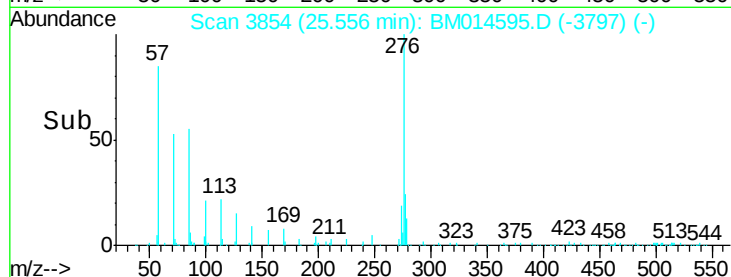
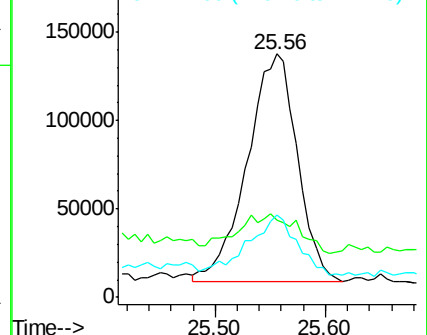
277 33.6 19.9 29.9#



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



#30

Benzo(g,h,i)perylene

Concen: 6.860 ng/ul

RT: 26.21 min Scan# 3965

Delta R.T. 0.12 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

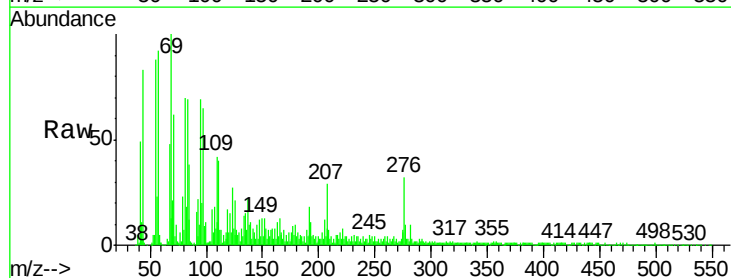
Tgt Ion:276 Resp: 372675

Ion Ratio Lower Upper

276 100

138 31.3 8.5 12.7#

277 31.9 18.6 28.0#



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

