

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041918\  
 Data File : BM014744.D  
 Acq On : 19 Apr 2018 21:30  
 Operator : SJ/JU  
 Sample : J2434-14  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Apr 20 01:28:43 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 20 01:26:25 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.55  | 152  | 308601   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.39 | 136  | 1327258  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.14 | 164  | 704331   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.86 | 188  | 1473055  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.94 | 240  | 1418972  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.44 | 264  | 1441244  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.67  | 96  | 34246   | 4.85  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.66  | 99  | 634358  | 26.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.85  | 67  | 433291  | 28.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.06  | 132 | 536072  | 26.86 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.24  | 113 | 508706  | 26.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.73  | 128 | 250028  | 26.05 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.46 | 143 | 243932  | 25.53 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.99 | 165 | 493826  | 25.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.51 | 131 | 668057  | 34.86 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.53 | 166 | 1502161 | 27.32 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.84 | 160 | 1897816 | 27.95 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.30 | 143 | 196167  | 19.22 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.12 | 176 | 1301530 | 27.22 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.22 | 200 | 142738  | 17.91 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.96 | 188 | 1879534 | 27.38 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.19 | 212 | 2019069 | 30.08 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.28 | 264 | 1960218 | 27.68 | ng/ul | 0.00 |

## Target Compounds

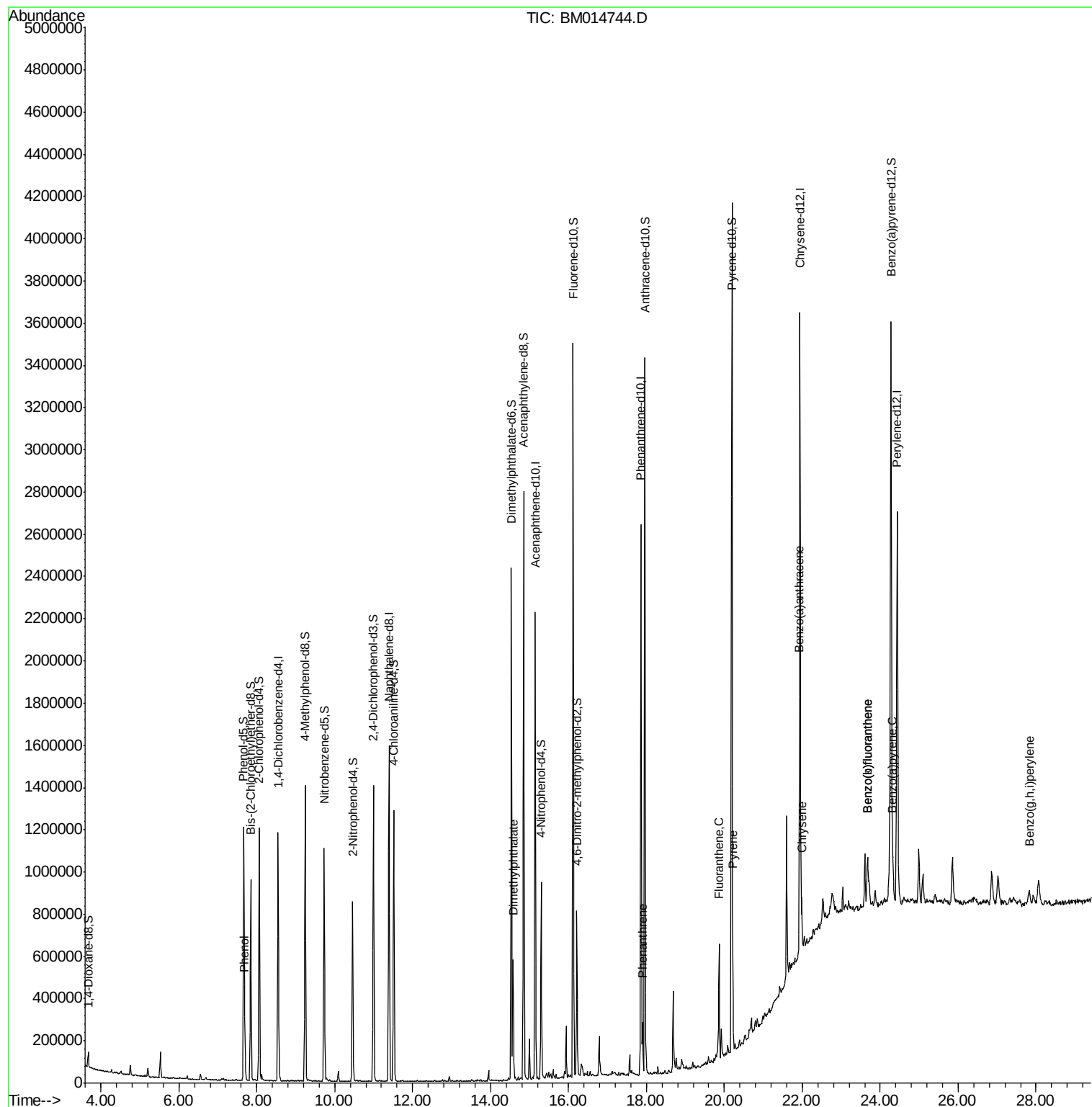
|                          |       |     |        | Ovalue |           |
|--------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                | 7.69  | 94  | 98698  | 4.205  | ng/ul# 80 |
| 44) Dimethylphthalate    | 14.58 | 163 | 333105 | 6.267  | ng/ul 100 |
| 69) Phenanthrene         | 17.90 | 178 | 136387 | 1.724  | ng/ul 99  |
| 74) Fluoranthene         | 19.86 | 202 | 313666 | 3.637  | ng/ul# 82 |
| 77) Pyrene               | 20.22 | 202 | 272071 | 3.282  | ng/ul# 76 |
| 80) Benzo(a)anthracene   | 21.92 | 228 | 157072 | 1.893  | ng/ul 98  |
| 82) Chrysene             | 21.98 | 228 | 144366 | 1.858  | ng/ul 97  |
| 85) Benzo(b)fluoranthene | 23.67 | 252 | 198425 | 2.335  | ng/ul# 93 |
| 86) Benzo(k)fluoranthene | 23.67 | 252 | 198425 | 2.429  | ng/ul# 91 |
| 88) Benzo(a)pyrene       | 24.33 | 252 | 134494 | 1.669  | ng/ul# 93 |
| 91) Benzo(g,h,i)perylene | 27.82 | 276 | 83492  | 1.041  | ng/ul# 88 |

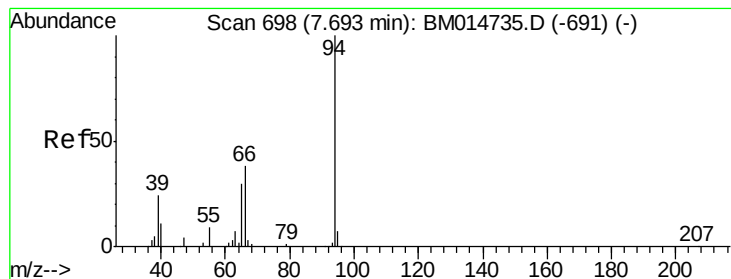
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.205 ng/ul

RT: 7.69 min Scan# 698

Delta R.T. -0.00 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

Instrument :

BNA\_M

ClientSampleId :

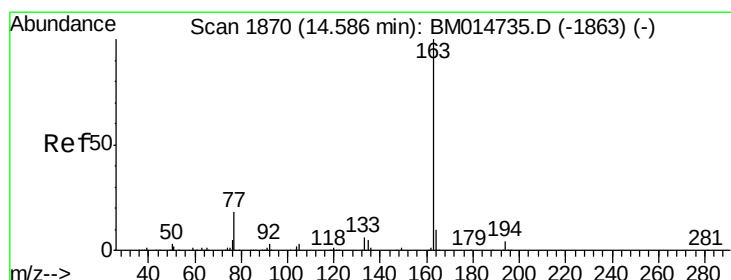
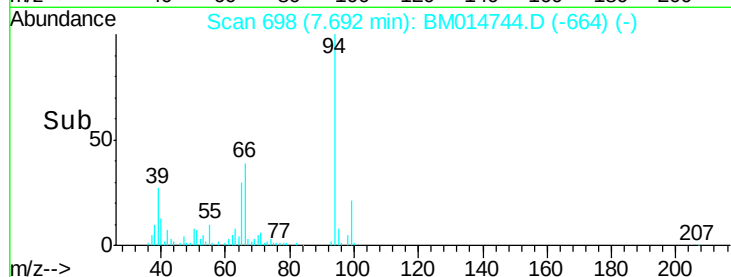
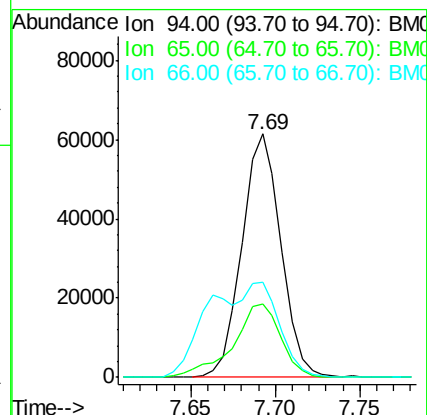
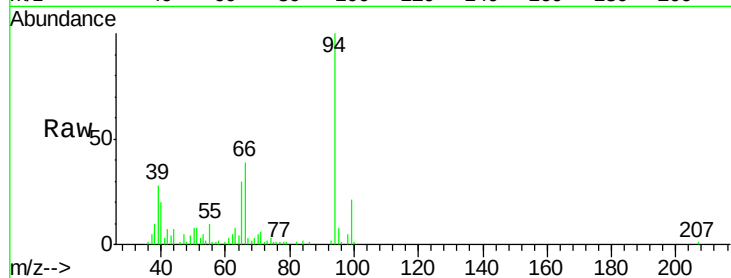
Tot Ion: 94 Resp: 98698

Ion Ratio Lower Upper

94 100

65 30.4 28.2 42.4

66 39.0 47.2 70.8#



#44

Dimethylphthalate

Concen: 6.267 ng/ul

RT: 14.58 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

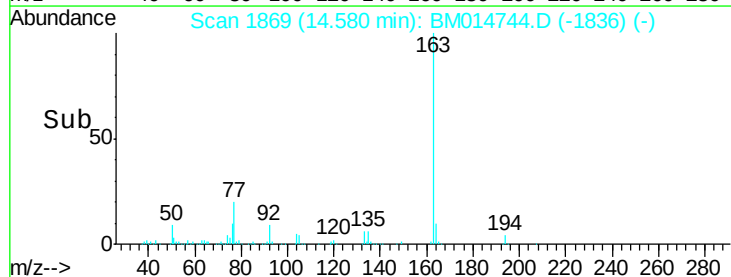
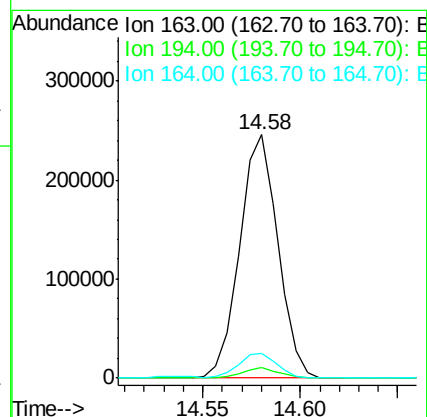
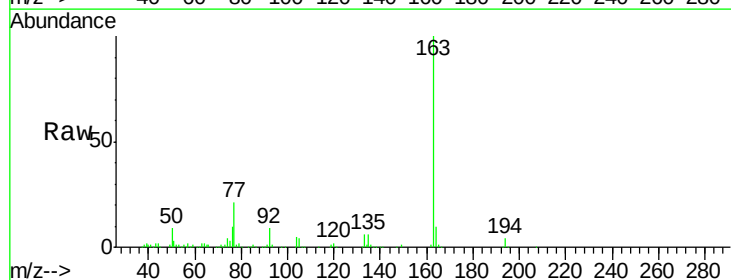
Tgt Ion:163 Resp: 333105

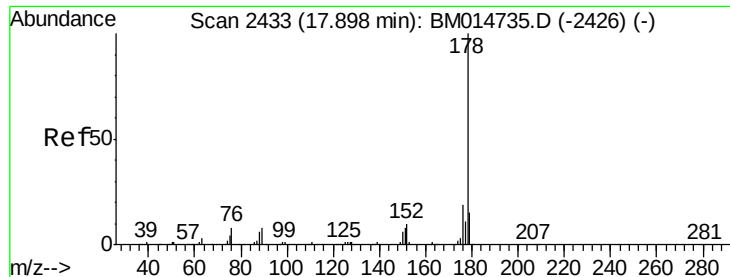
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.3 8.2 12.4





#69

Phenanthrene

Concen: 1.724 ng/ul

RT: 17.90 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

Instrument :

BNA\_M

ClientSampleId :

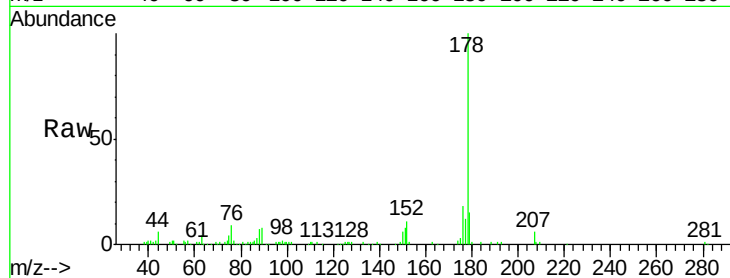
Tot Ion:178 Resp: 136387

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

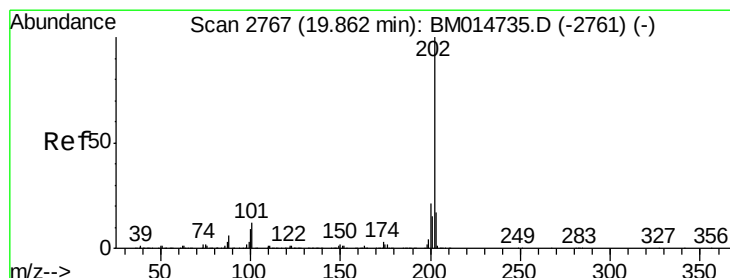
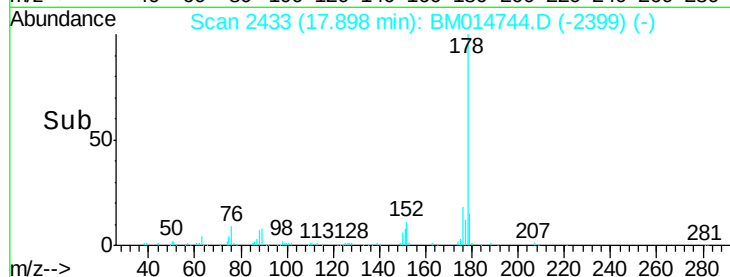
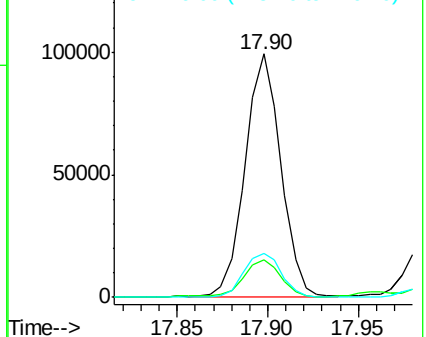
176 18.0 14.9 22.3



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



#74

Fluoranthene

Concen: 3.637 ng/ul

RT: 19.86 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

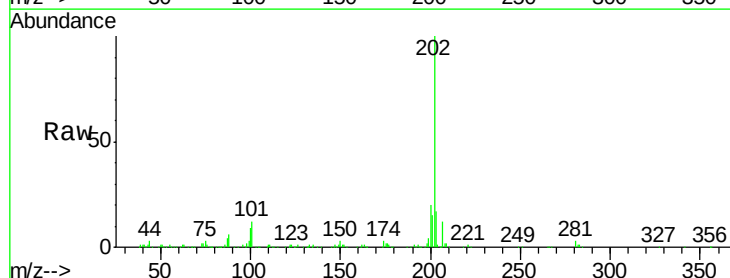
Tgt Ion:202 Resp: 313666

Ion Ratio Lower Upper

202 100

101 12.3 4.6 7.0#

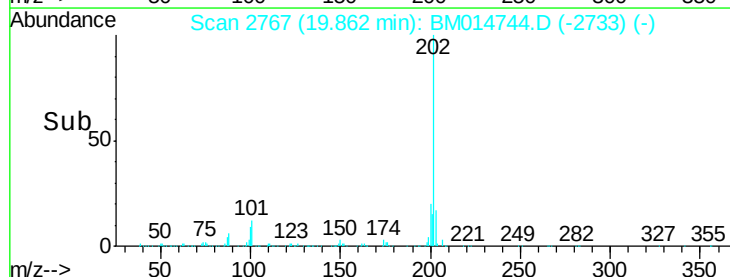
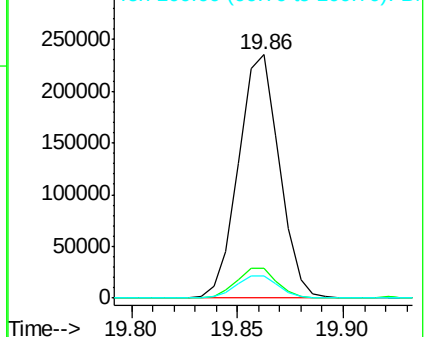
100 9.3 3.4 5.2#

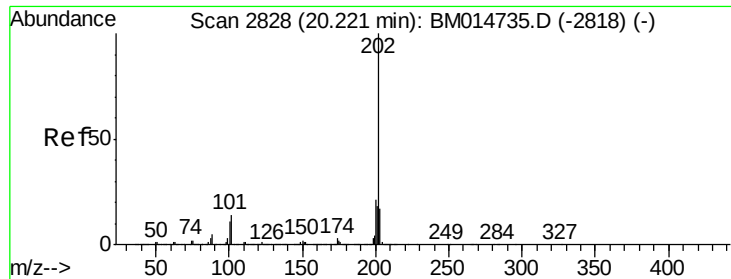


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 3.282 ng/ul

RT: 20.22 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

Instrument :

BNA\_M

ClientSampleId :

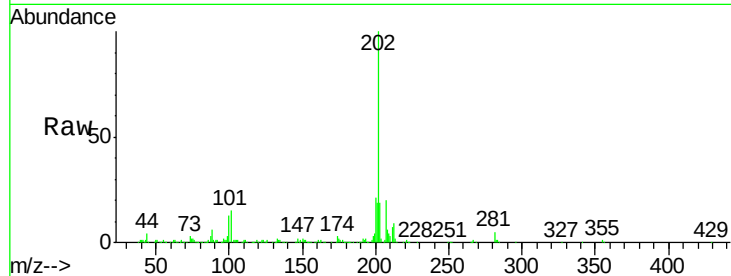
Tot Ion:202 Resp: 272071

Ion Ratio Lower Upper

202 100

101 15.5 5.1 7.7#

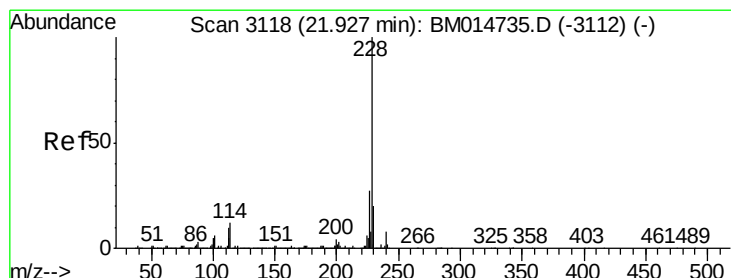
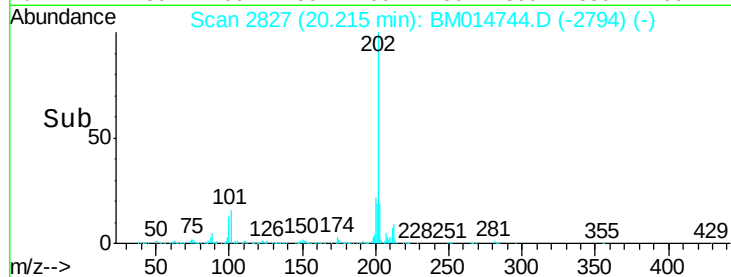
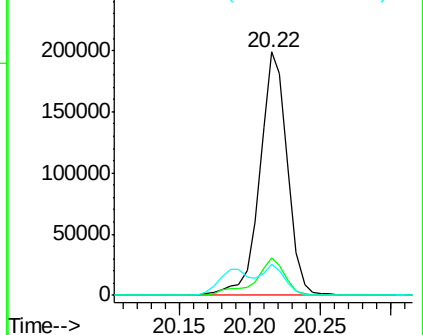
100 13.0 4.9 7.3#



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



#80

Benzo(a)anthracene

Concen: 1.893 ng/ul

RT: 21.92 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

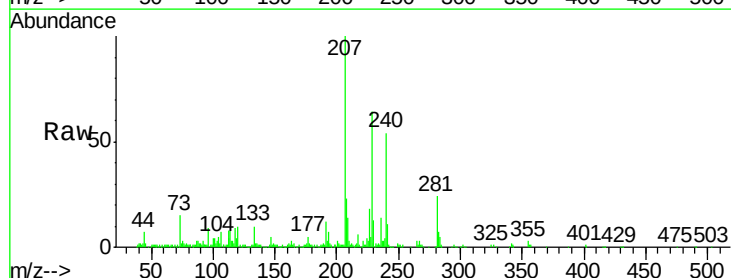
Tgt Ion:228 Resp: 157072

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

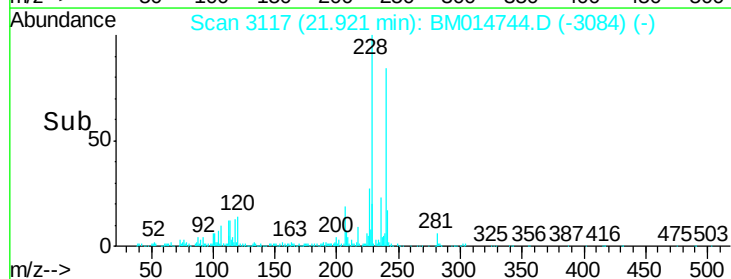
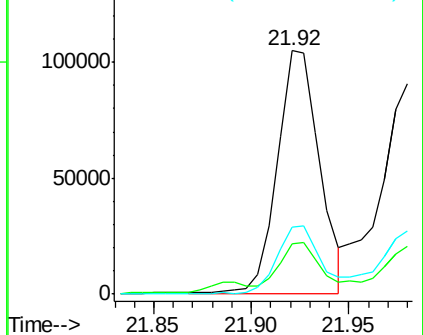
226 27.3 21.4 32.0

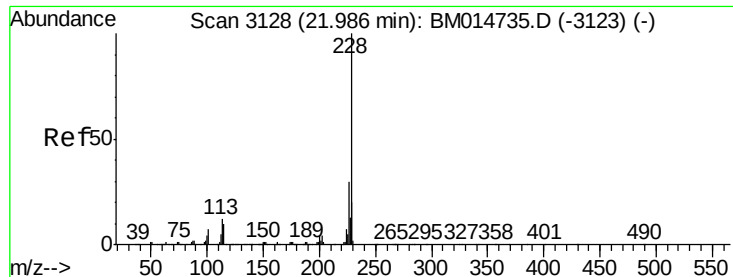


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 1.858 ng/ul

RT: 21.98 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

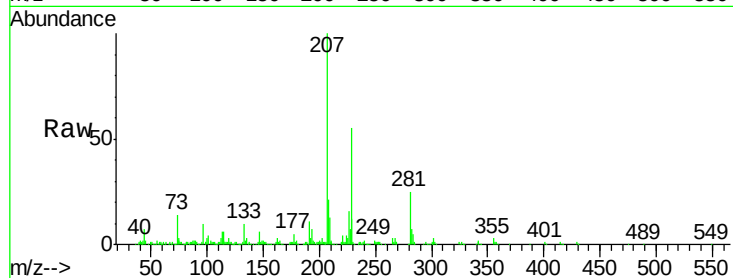
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 144366

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.0  | 23.4  | 35.2  |
| 229 | 22.5  | 15.5  | 23.3  |



Abundance Ion 228.00 (227.70 to 228.70): E

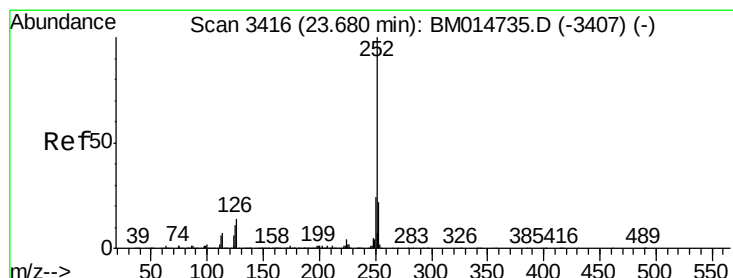
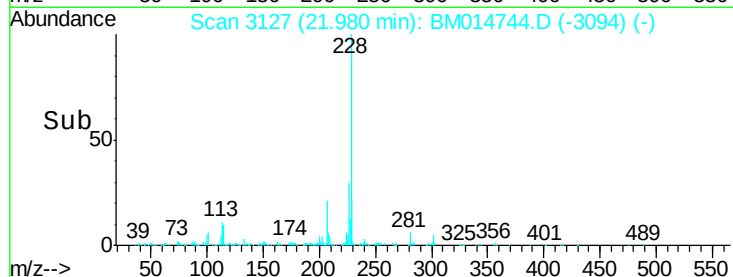
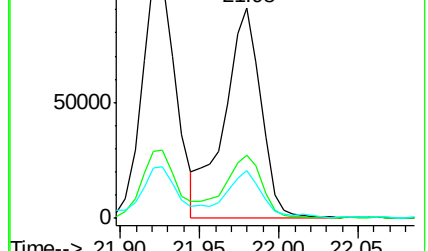
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

100000

50000

21.98



#85

Benzo(b)fluoranthene

Concen: 2.335 ng/ul

RT: 23.67 min Scan# 3415

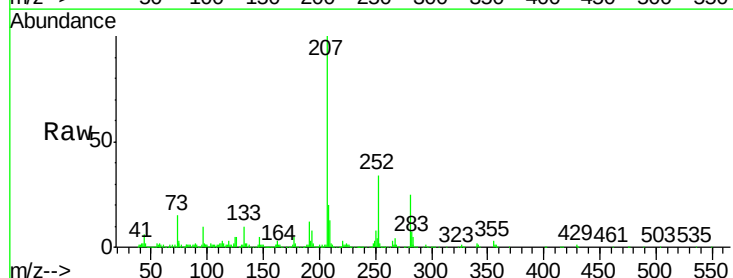
Delta R.T. -0.01 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

Tgt Ion:252 Resp: 198425

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.5  | 17.9  | 26.9  |
| 125 | 13.7  | 3.6   | 5.4   |



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

100000

80000

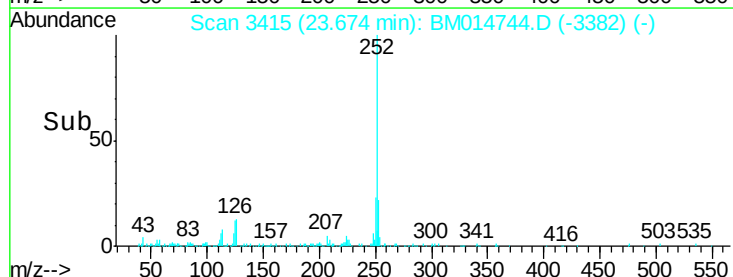
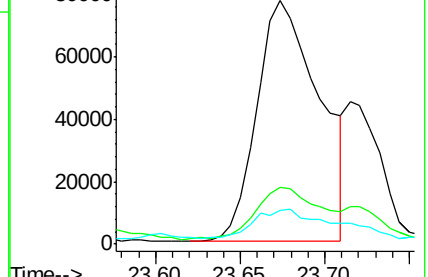
60000

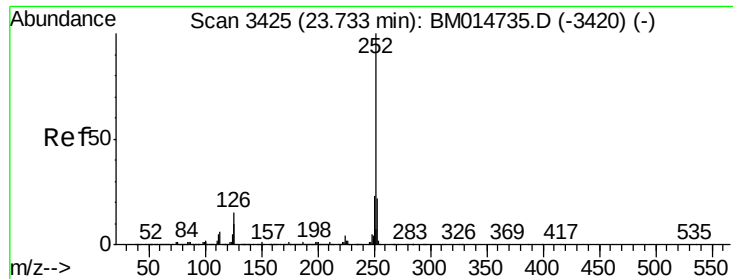
40000

20000

0

23.67

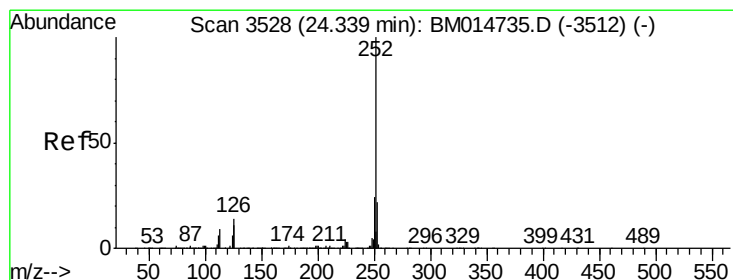
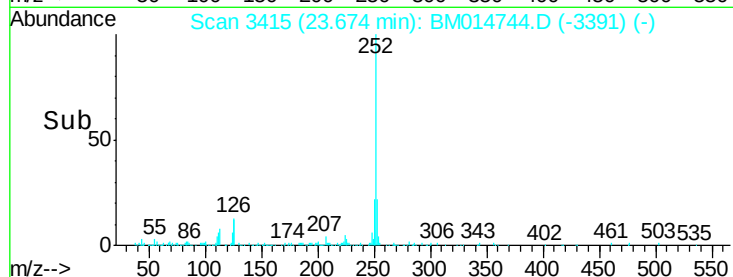
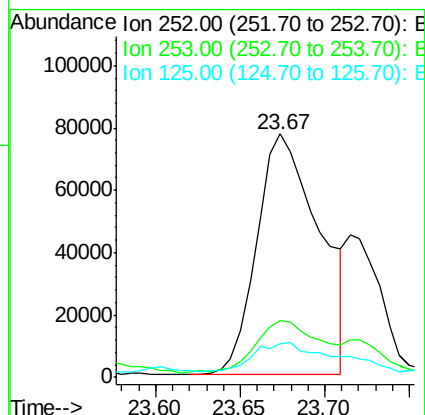
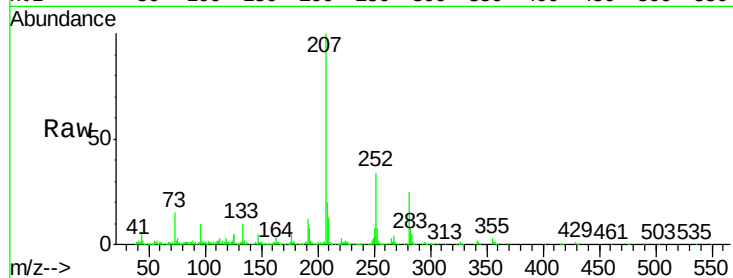




#86  
Benzo(k)fluoranthene  
Concen: 2.429 ng/ul  
RT: 23.67 min Scan# 3415  
Delta R.T. -0.06 min  
Lab File: BM014744.D  
Acq: 19 Apr 2018 21:30

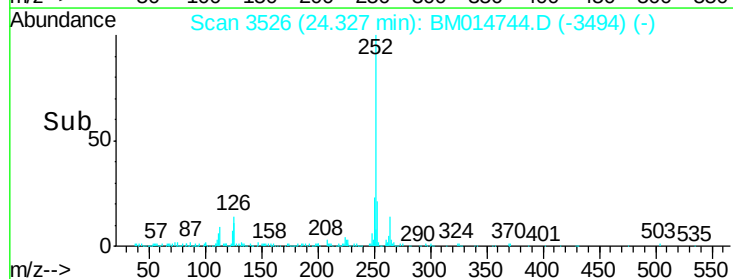
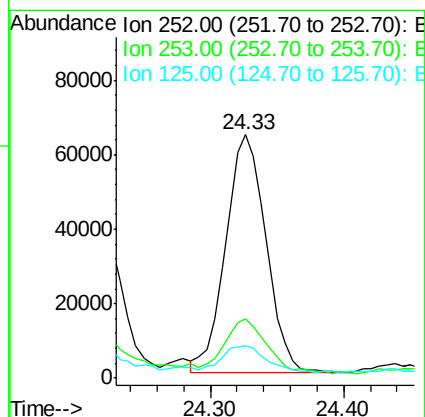
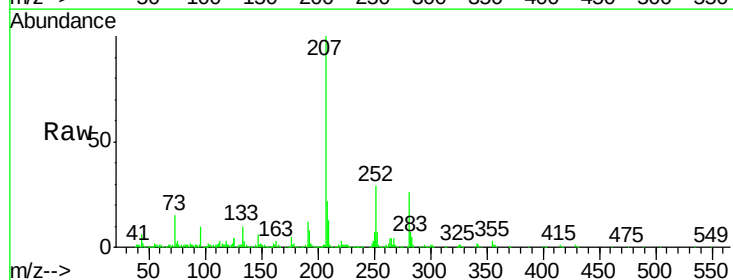
Instrument :  
BNA\_M  
ClientSampled :

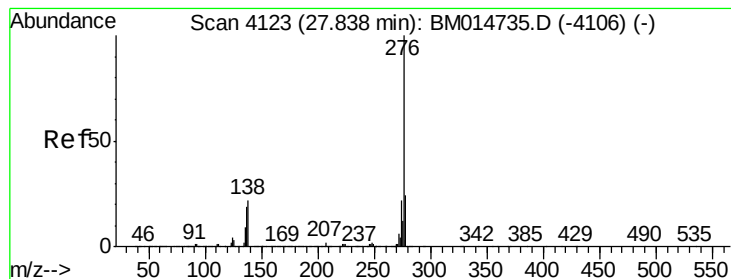
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 17.1  | 25.7  |
| 125     | 13.7  | 3.4   | 5.2#  |



#88  
Benzo(a)pyrene  
Concen: 1.669 ng/ul  
RT: 24.33 min Scan# 3526  
Delta R.T. -0.01 min  
Lab File: BM014744.D  
Acq: 19 Apr 2018 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 18.2  | 27.2  |
| 125     | 13.1  | 4.0   | 6.0#  |





#91

Benzo(a,h,i)perylene

Concen: 1.041 ng/ul

RT: 27.82 min Scan# 4120

Delta R.T. -0.02 min

Lab File: BM014744.D

Acq: 19 Apr 2018 21:30

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:276 Resp: 83492

Ion Ratio Lower Upper

276 100

138 22.8 8.5 12.7#

277 24.9 18.6 28.0

