

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\  
 Data File : BM013285.D  
 Acq On : 09 Dec 2017 01:10  
 Operator : SJ/JU  
 Sample : I6759-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A00

Quant Time: Dec 09 03:43:32 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 08 23:45:50 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 194456   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.47 | 136  | 928515   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 580573   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.14 | 188  | 1461503  | 20.00 | ng/ul | 0.05     |
| 75) Chrysene-d12          | 21.27 | 240  | 1589766  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.50 | 264  | 1412225  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.24  | 96  | 21427   | 5.46  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 426458  | 25.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 262439  | 27.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 360274  | 27.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 392266  | 27.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 204351  | 27.75 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 226694  | 28.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 406415  | 25.03 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.62 | 131 | 500135  | 33.51 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 1663948 | 32.21 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 2072436 | 32.51 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 224453  | 25.01 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 1366138 | 30.75 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 6784    | 0.74  | ng/ul | 0.09 |
| 70) Anthracene-d10             | 17.23 | 188 | 2424805 | 33.13 | ng/ul | 0.05 |
| 76) Pyrene-d10                 | 19.49 | 212 | 2768448 | 34.95 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.36 | 264 | 2393048 | 33.27 | ng/ul | 0.00 |

## Target Compounds

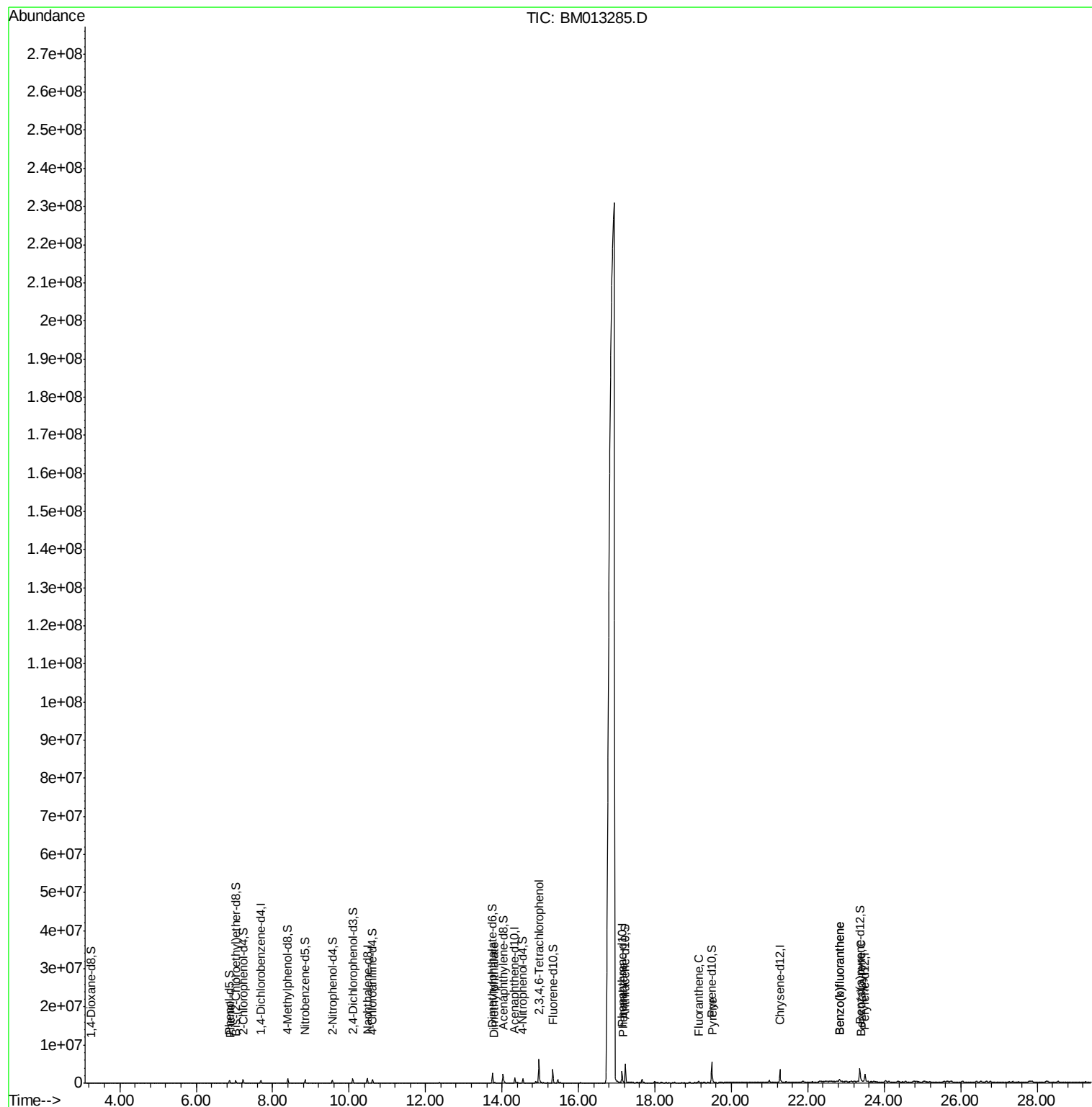
|                               |       |     |         |         | Ovalue |    |
|-------------------------------|-------|-----|---------|---------|--------|----|
| 6) Phenol                     | 6.90  | 94  | 31849   | 1.915   | ng/ul  | 88 |
| 44) Dimethylphthalate         | 13.80 | 163 | 145386  | 2.942   | ng/ul  | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.97 | 232 | 1365703 | 107.366 | ng/ul  | 92 |
| 69) Phenanthrene              | 17.17 | 178 | 86590   | 1.043   | ng/ul  | 97 |
| 74) Fluoranthene              | 19.14 | 202 | 268545  | 2.639   | ng/ul# | 90 |
| 77) Pyrene                    | 19.52 | 202 | 340540  | 3.526   | ng/ul# | 93 |
| 85) Benzo(b)fluoranthene      | 22.83 | 252 | 271753  | 2.855   | ng/ul# | 95 |
| 86) Benzo(k)fluoranthene      | 22.83 | 252 | 271753  | 3.033   | ng/ul# | 96 |
| 88) Benzo(a)pyrene            | 23.40 | 252 | 109171  | 1.277   | ng/ul# | 92 |

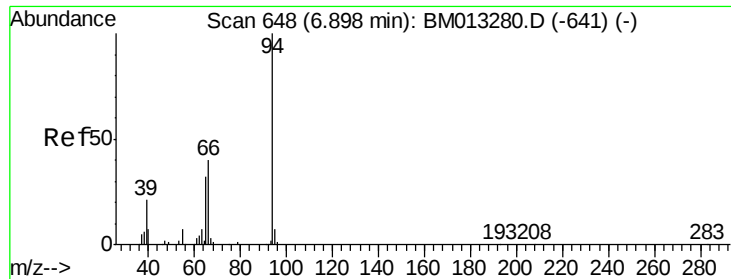
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.915 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. 0.00 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

Instrument :

BNA\_M

ClientSampled :

F9A00

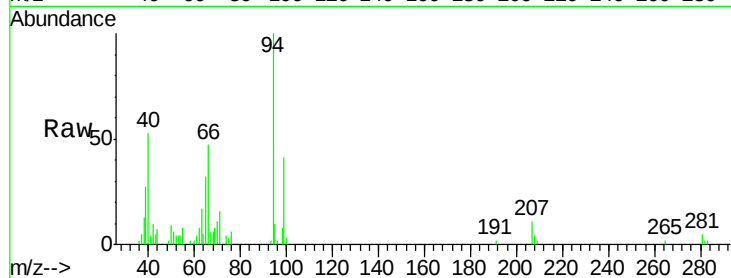
Tot Ion: 94 Resp: 31849

Ion Ratio Lower Upper

94 100

65 32.3 28.2 42.4

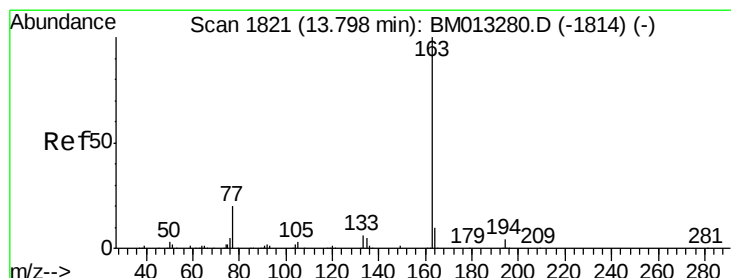
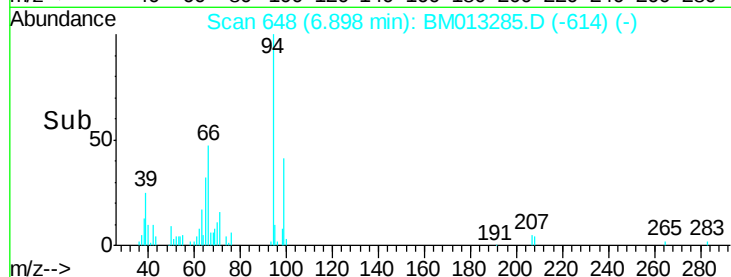
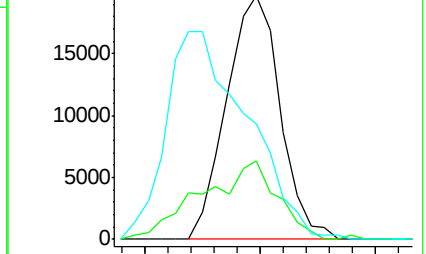
66 47.5 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013280.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BM013280.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BM013280.D (-641) (-)



#44

Dimethylphthalate

Concen: 2.942 ng/ul

RT: 13.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

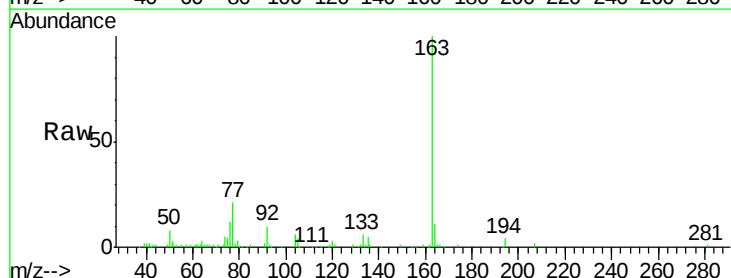
Tgt Ion: 163 Resp: 145386

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

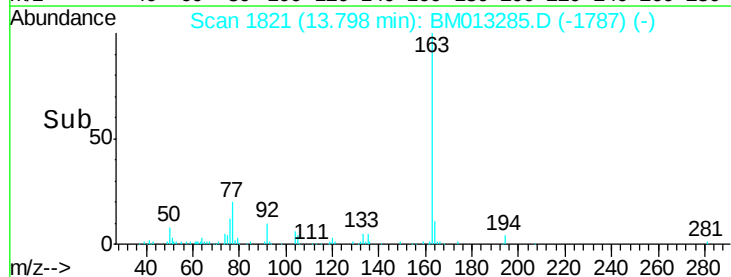
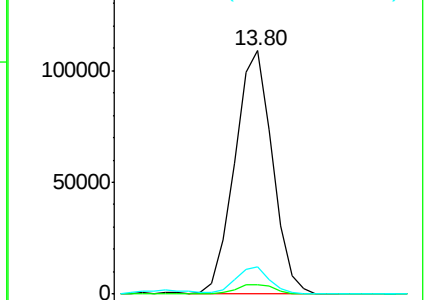
164 11.2 8.2 12.4

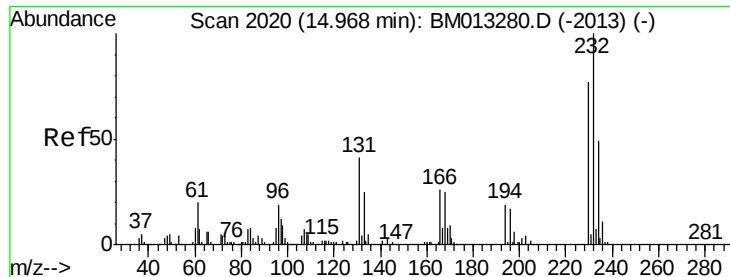


Abundance Ion 163.00 (162.70 to 163.70): BM013280.D (-1814) (-)

Ion 194.00 (193.70 to 194.70): BM013280.D (-1814) (-)

Ion 164.00 (163.70 to 164.70): BM013280.D (-1814) (-)





#55

2,3,4,6-Tetrachlorophenol

Concen: 107.366 ng/ul

RT: 14.97 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

Instrument :

BNA\_M

ClientSampleId :

F9A00

Tot Ion:232 Resp: 1365703

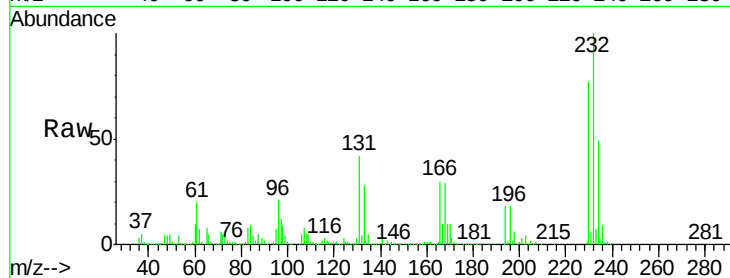
Ion Ratio Lower Upper

232 100

131 42.1 29.0 43.4

130 2.5 2.0 3.0

166 29.6 21.4 32.2

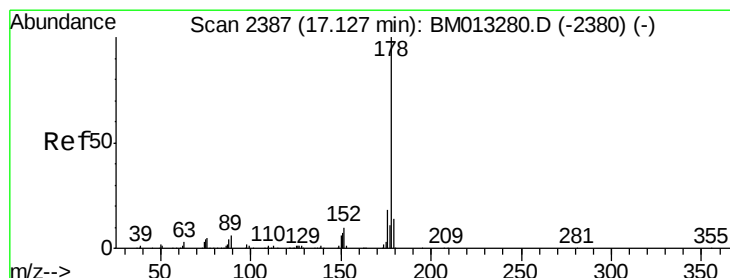
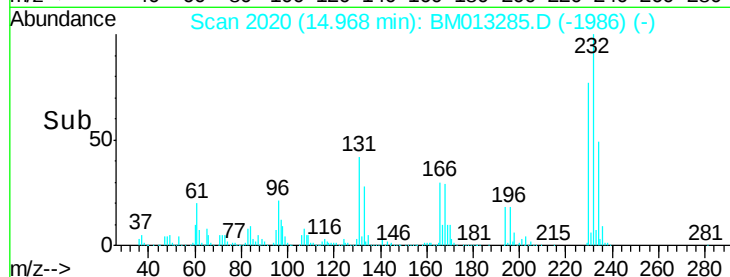
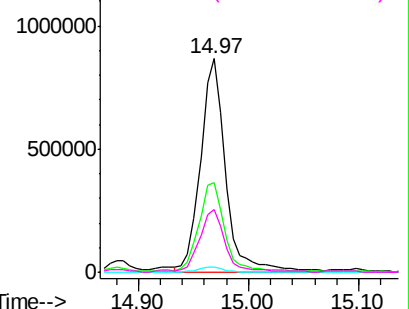


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#69

Phenanthrene

Concen: 1.043 ng/ul

RT: 17.17 min Scan# 2395

Delta R.T. 0.05 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

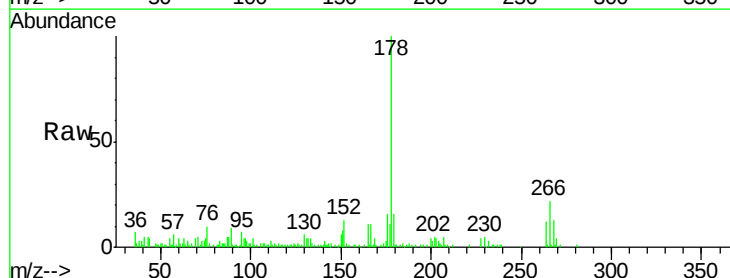
Tgt Ion:178 Resp: 86590

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

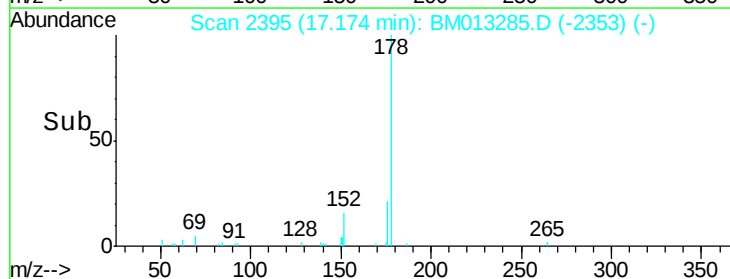
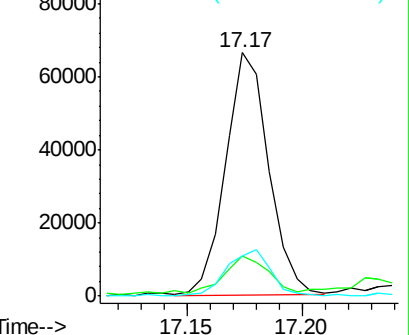
176 16.4 14.9 22.3

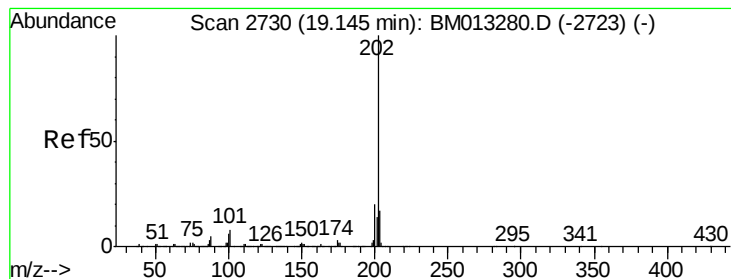


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 2.639 ng/ul

RT: 19.14 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

Instrument :

BNA\_M

ClientSampleId :

F9A00

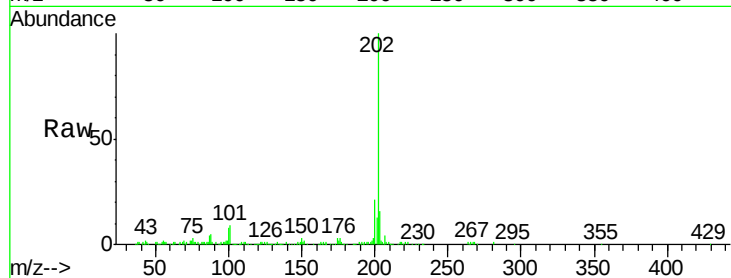
Tot Ion:202 Resp: 268545

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

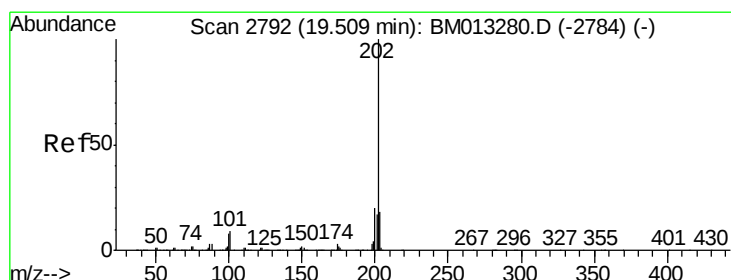
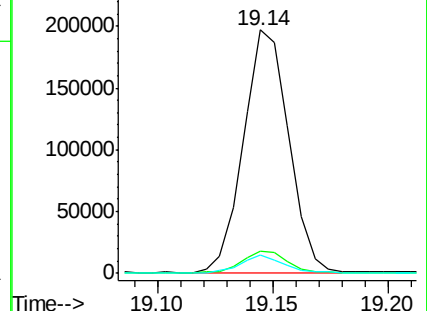
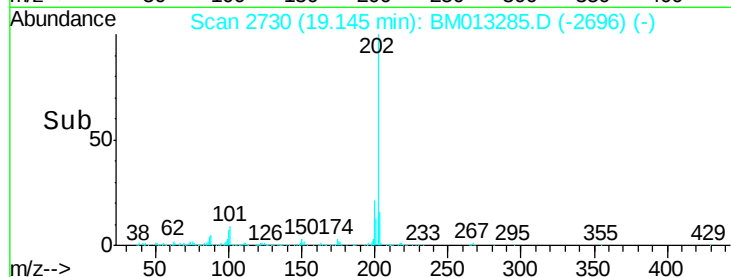
100 7.6 3.4 5.2#



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

Pyrene

Concen: 3.526 ng/ul

RT: 19.52 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

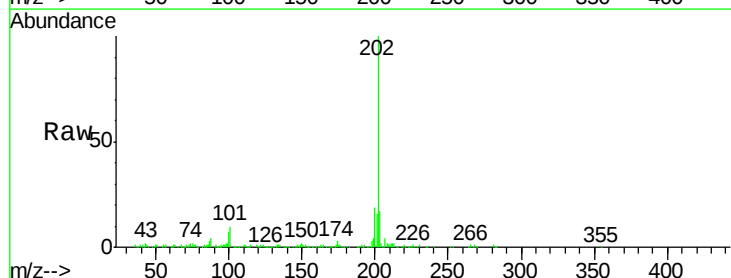
Tgt Ion:202 Resp: 340540

Ion Ratio Lower Upper

202 100

101 9.7 5.1 7.7#

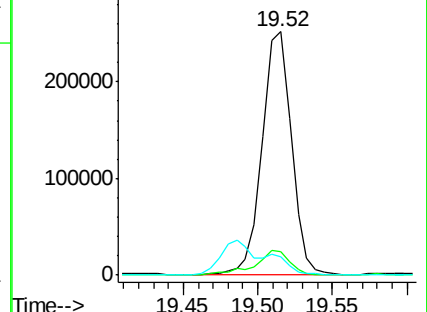
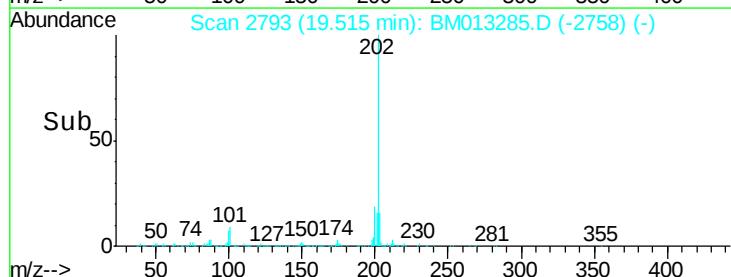
100 7.3 4.9 7.3

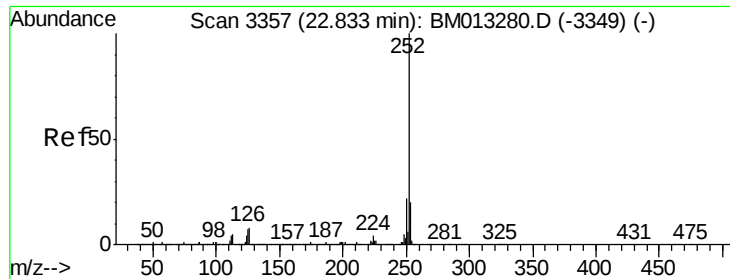


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#85

Benzo(b)fluoranthene

Concen: 2.855 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. 0.00 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

Instrument :

BNA\_M

ClientSampleId :

F9A00

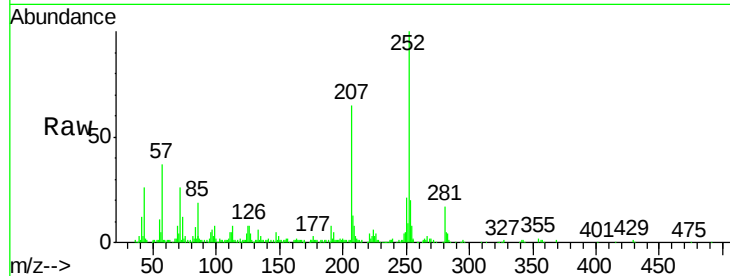
Tot Ion:252 Resp: 271753

Ion Ratio Lower Upper

252 100

253 20.3 17.9 26.9

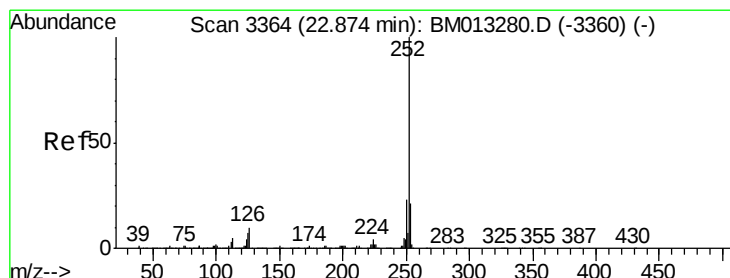
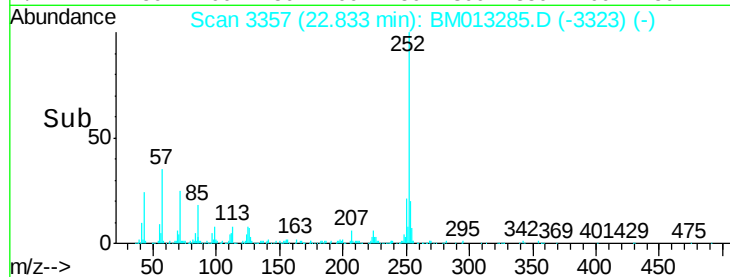
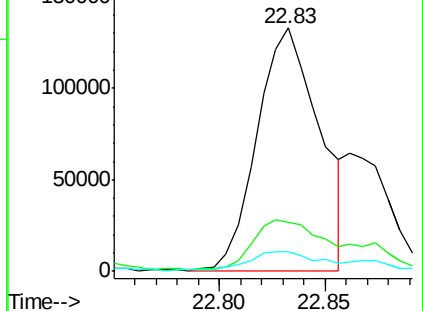
125 8.2 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 3.033 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. -0.04 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

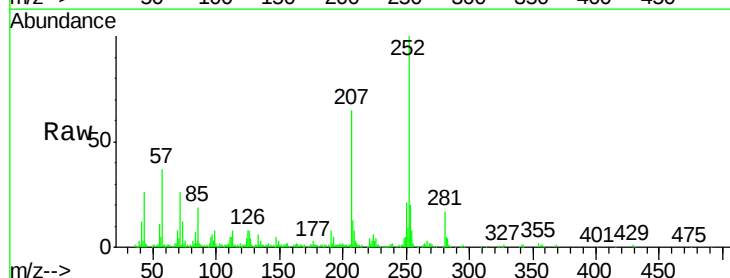
Tgt Ion:252 Resp: 271753

Ion Ratio Lower Upper

252 100

253 20.3 17.1 25.7

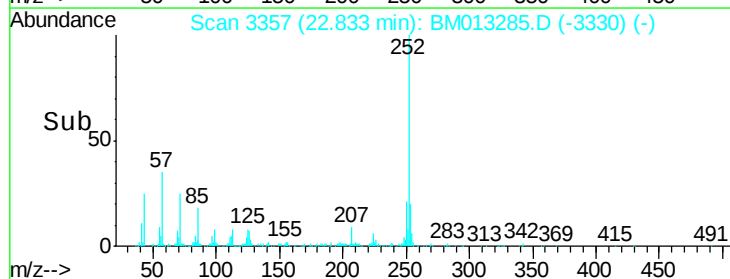
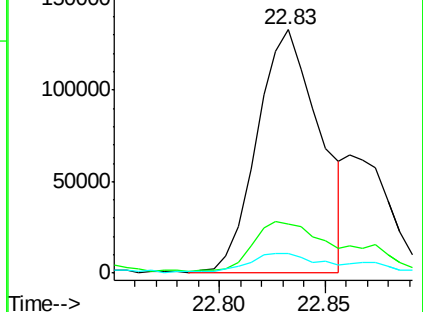
125 8.2 3.4 5.2#

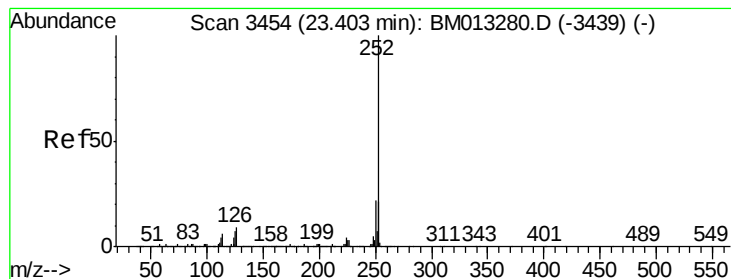


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.277 ng/ul

RT: 23.40 min Scan# 3454

Delta R.T. 0.00 min

Lab File: BM013285.D

Acq: 09 Dec 2017 01:10

Instrument :

BNA\_M

ClientSampleId :

F9A00

Tot Ion:252 Resp: 109171

Ion Ratio Lower Upper

252 100

253 25.8 18.2 27.2

125 10.7 4.0 6.0#

