

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\  
 Data File : BM021647.D  
 Acq On : 25 Jul 2019 21:40  
 Operator : HP/JU  
 Sample : K3850-17  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENS3

Manual Integrations  
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 7/26/2019 3:24:13 PM

Quant Time: Jul 26 01:33:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 01:21:49 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 132998   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 625165   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.34 | 164  | 447147   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 1052242  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.29 | 240  | 1219219  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.53 | 264  | 1240972  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 7944    | 3.26  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 180045  | 15.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 106006  | 16.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 153620  | 17.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 143730  | 14.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 80460   | 17.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 89758   | 18.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 186529  | 16.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.64 | 131 | 182491  | 16.99 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 637835  | 16.65 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 751982  | 16.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.58 | 143 | 53976   | 8.21  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.34 | 176 | 602099  | 17.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.48 | 200 | 34799   | 5.28  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 999744  | 19.31 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.49 | 212 | 1280910 | 21.53 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.39 | 264 | 1307139 | 19.73 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |              | Ovalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 6) Phenol                  | 6.90  | 94  | 12015   | 1.107 ng/ul  | 91     |
| 44) Dimethylphthalate      | 13.81 | 163 | 268412  | 7.298 ng/ul  | 100    |
| 69) Phenanthrene           | 17.14 | 178 | 328248  | 5.718 ng/ul  | 99     |
| 71) Anthracene             | 17.23 | 178 | 66286   | 1.142 ng/ul  | 99     |
| 76) Fluoranthene           | 19.16 | 202 | 708395  | 9.954 ng/ul  | 100    |
| 79) Pyrene                 | 19.52 | 202 | 548788  | 7.556 ng/ul  | 99     |
| 82) Benzo(a)anthracene     | 21.27 | 228 | 342253  | 4.282 ng/ul  | 99     |
| 84) Chrysene               | 21.32 | 228 | 332837  | 4.367 ng/ul  | 97     |
| 87) Benzo(b)fluoranthene   | 22.86 | 252 | 396070  | 5.279 ng/ul# | 94     |
| 88) Benzo(k)fluoranthene   | 22.90 | 252 | 162210m | 2.204 ng/ul  |        |
| 90) Benzo(a)pyrene         | 23.44 | 252 | 259223  | 3.598 ng/ul# | 95     |
| 91) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 163869  | 1.873 ng/ul  | 99     |
| 93) Benzo(g,h,i)perylene   | 26.49 | 276 | 146032  | 2.061 ng/ul  | 99     |

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

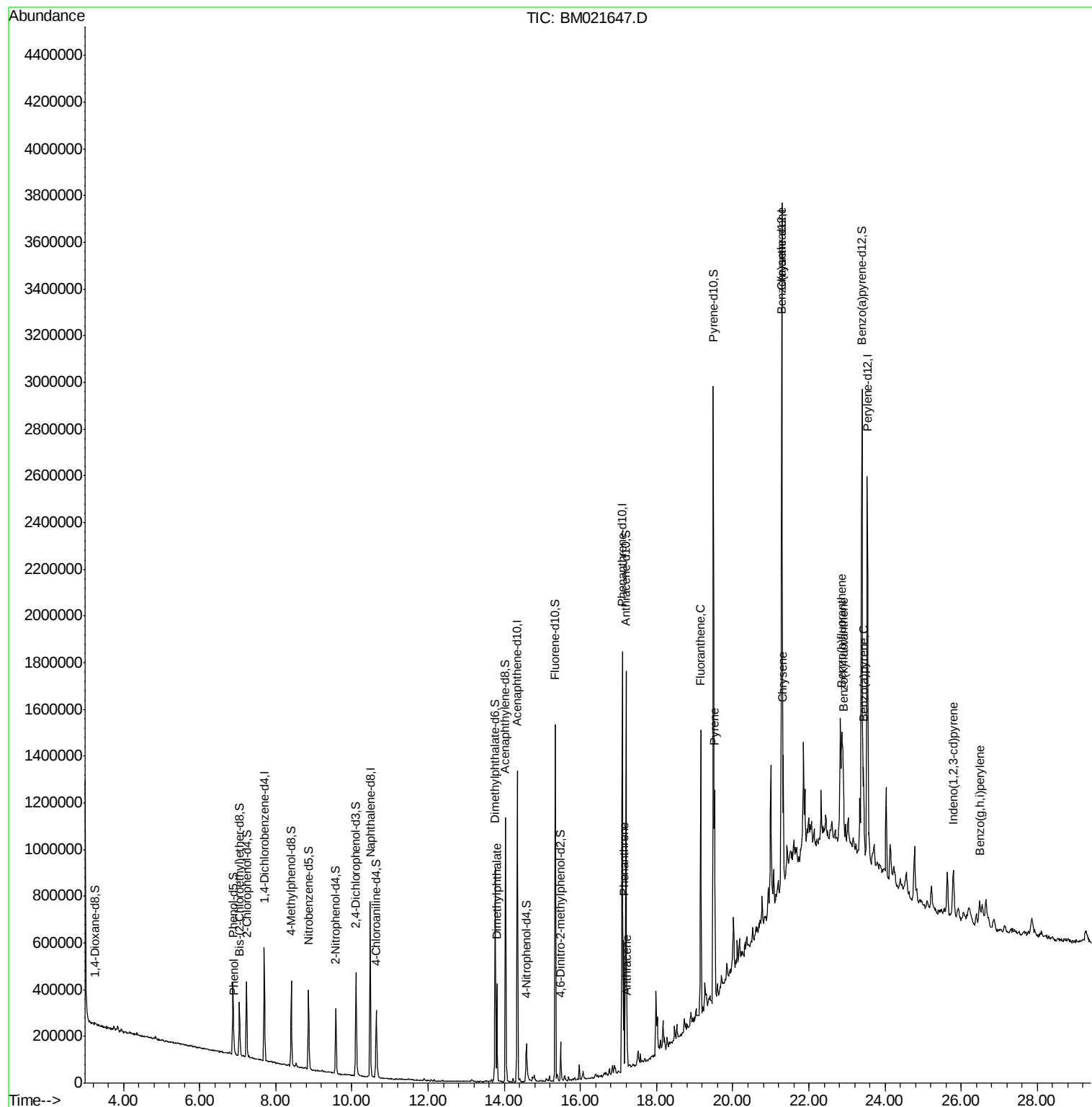
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\  
Data File : BM021647.D  
Acq On : 25 Jul 2019 21:40  
Operator : HP/JU  
Sample : K3850-17  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

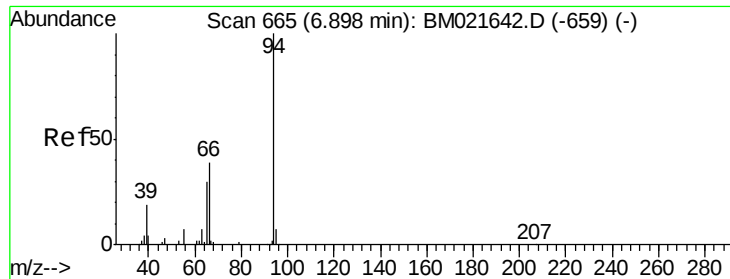
Instrument :  
BNA\_M  
ClientSampleId :  
BENS3

Quant Time: Jul 26 01:33:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 24 01:21:49 2019  
Response via : Initial Calibration

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#6

Phenol

Concen: 1.107 ng/ul

RT: 6.90 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM021647.D

Acq: 25 Jul 2019 21:40

Instrument :

BNA\_M

ClientSampleId :

BENS3

Tot Ion: 94 Resp: 12015

Ion Ratio Lower Upper

94 100

65 32.6 23.3 34.9

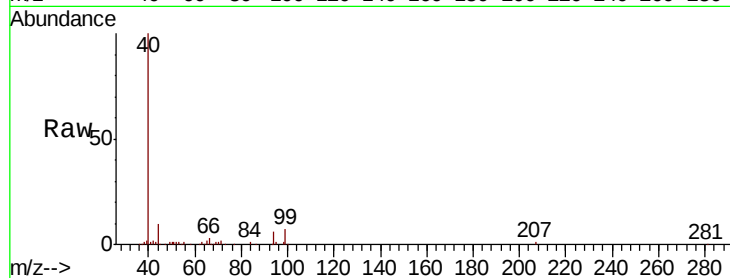
66 48.6 33.2 49.8

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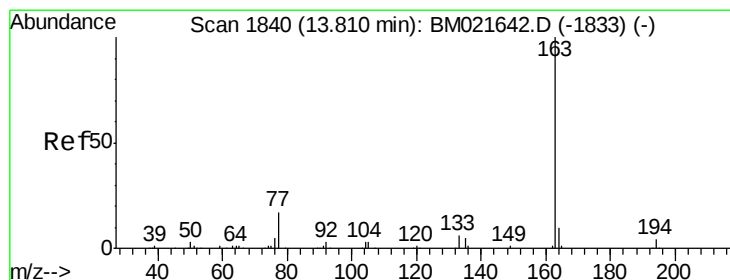
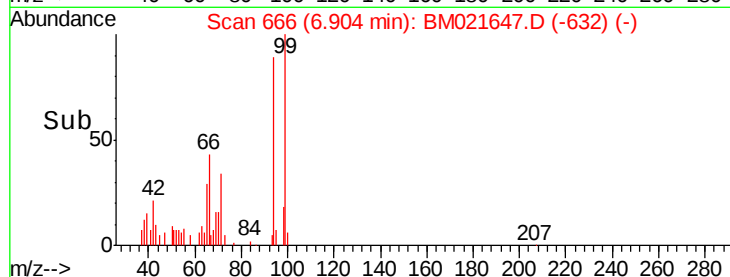
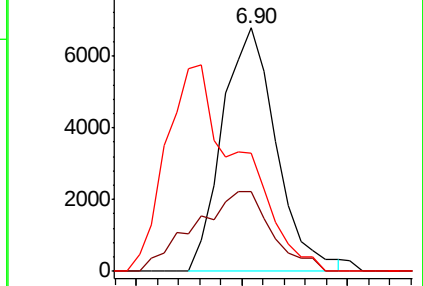
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Abundance Ion 94.00 (93.70 to 94.70): BM021647.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM021647.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM021647.D (-659) (-)



#44

Dimethylphthalate

Concen: 7.298 ng/ul

RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BM021647.D

Acq: 25 Jul 2019 21:40

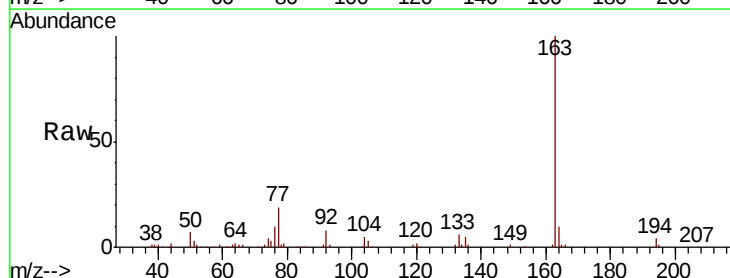
Tgt Ion: 163 Resp: 268412

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

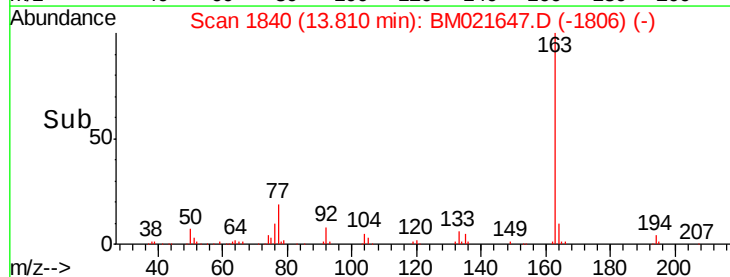
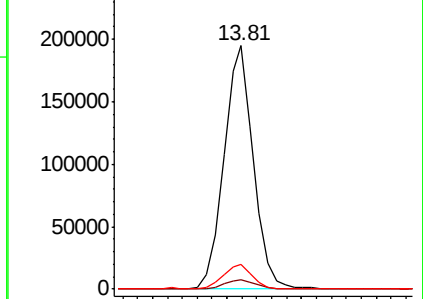
164 10.3 8.2 12.4

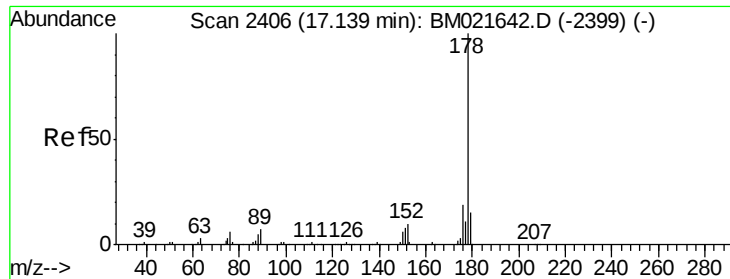


Abundance Ion 163.00 (162.70 to 163.70): BM021647.D (-1806) (-)

Ion 194.00 (193.70 to 194.70): BM021647.D (-1806) (-)

Ion 164.00 (163.70 to 164.70): BM021647.D (-1806) (-)





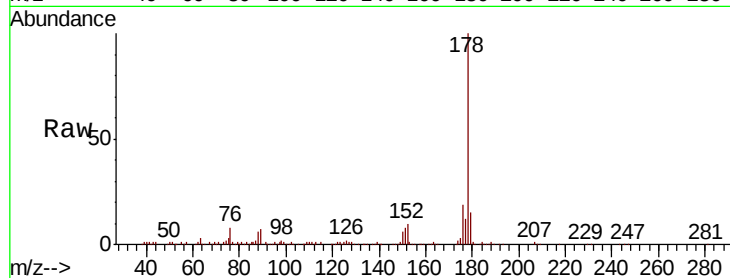
#69  
Phenanthrene  
Concen: 5.718 ng/ul  
RT: 17.14 min Scan# 2406  
Delta R.T. -0.00 min  
Lab File: BM021647.D  
Acq: 25 Jul 2019 21:40

Instrument :  
BNA\_M  
ClientSampleId :  
BENS3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.5  | 12.2  | 18.2  |
| 176     | 19.1  | 15.0  | 22.4  |

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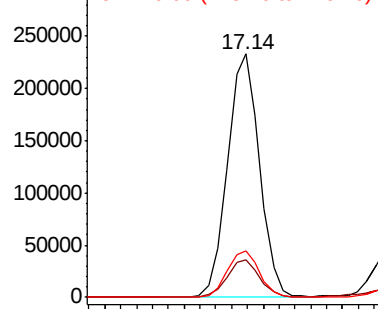


Abundance

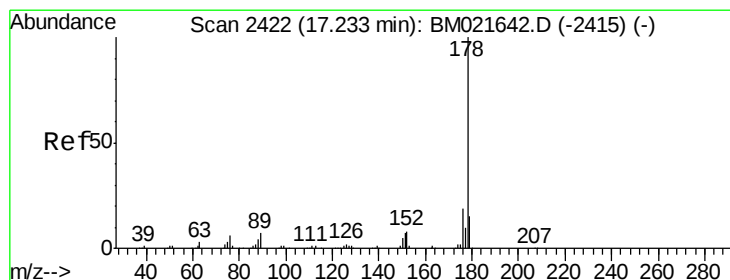
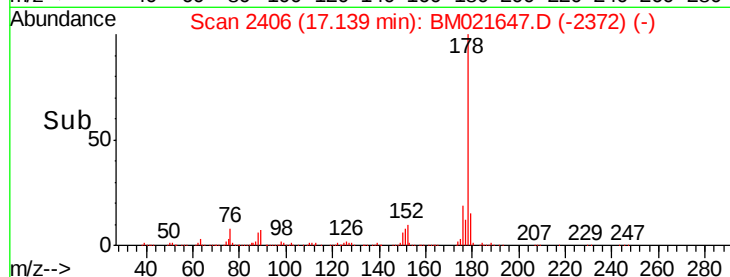
Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

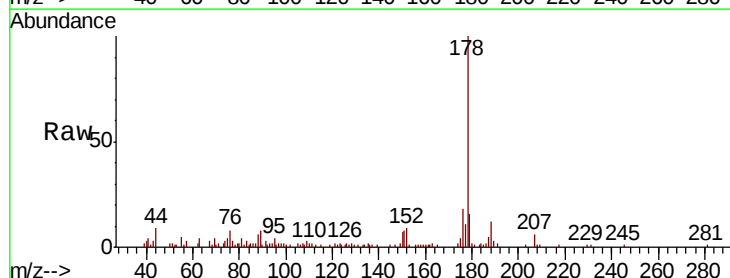


Time-->



#71  
Anthracene  
Concen: 1.142 ng/ul  
RT: 17.23 min Scan# 2421  
Delta R.T. -0.01 min  
Lab File: BM021647.D  
Acq: 25 Jul 2019 21:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.3  | 12.4  | 18.6  |
| 176     | 18.3  | 14.6  | 21.8  |

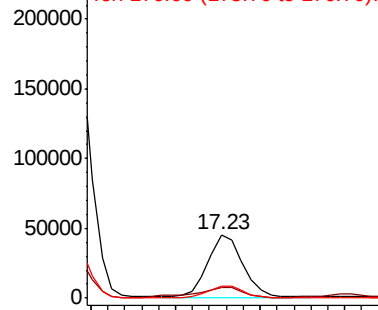


Abundance

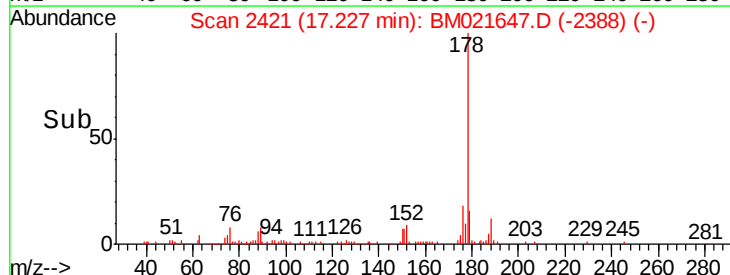
Ion 178.00 (177.70 to 178.70): E

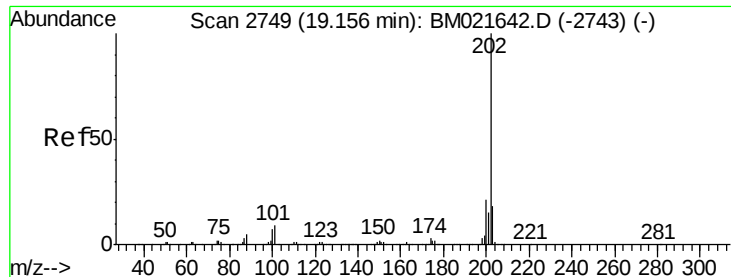
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#76

Fluoranthene

Concen: 9.954 ng/ul

RT: 19.16 min Scan# 2749

Delta R.T. -0.01 min

Lab File: BM021647.D

Acq: 25 Jul 2019 21:40

Instrument :

BNA\_M

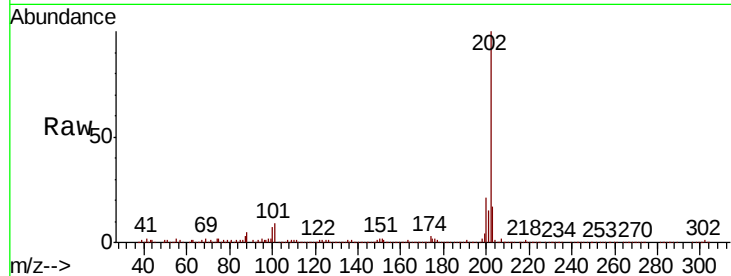
ClientSampleId :

BENS3

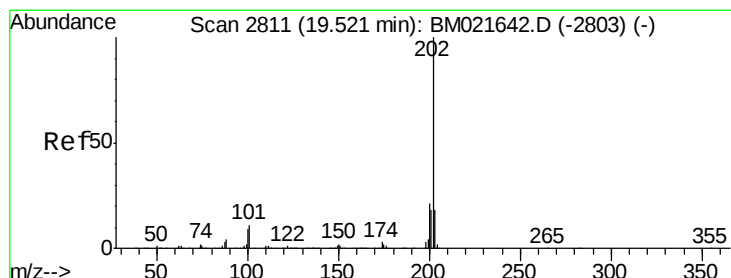
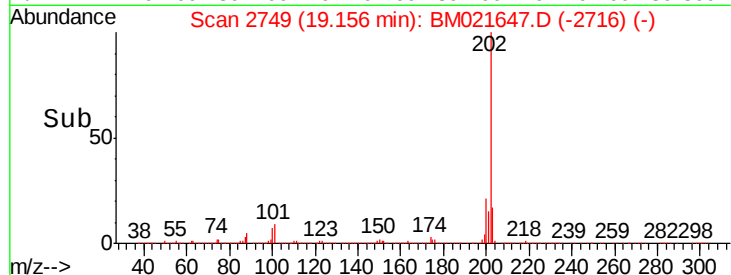
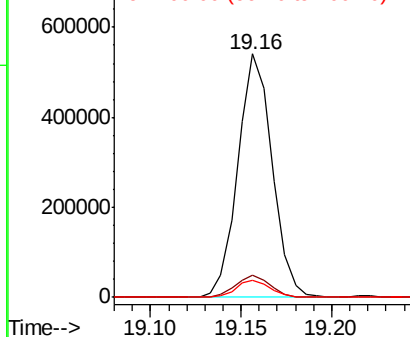
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 708395 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 8.9   | 7.2   | 10.8   |
| 100       | 7.2   | 5.6   | 8.4    |

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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



#79

Pyrene

Concen: 7.556 ng/ul

RT: 19.52 min Scan# 2811

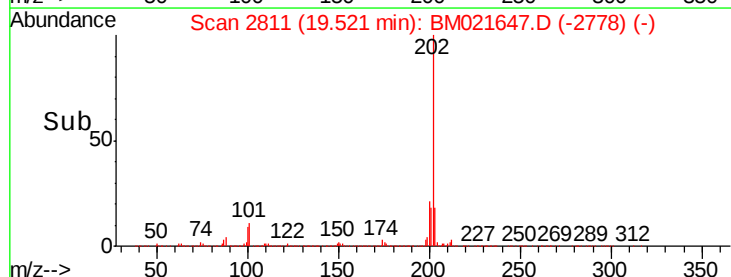
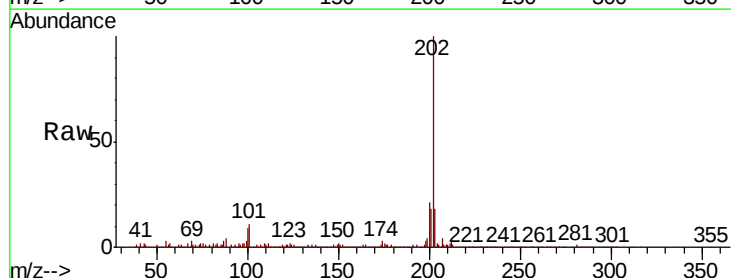
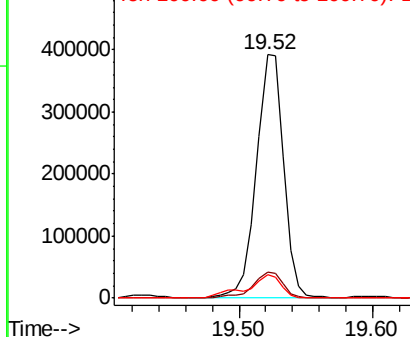
Delta R.T. -0.01 min

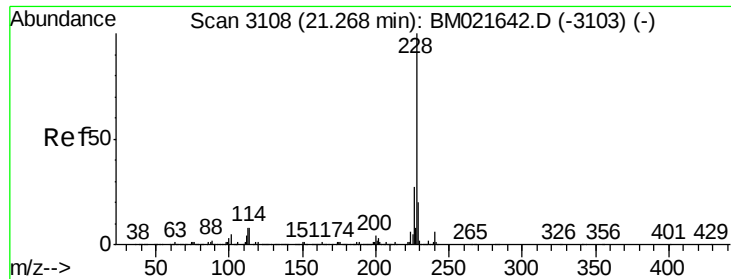
Lab File: BM021647.D

Acq: 25 Jul 2019 21:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 548788 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.9  | 8.6   | 13.0   |
| 100       | 9.4   | 7.1   | 10.7   |

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





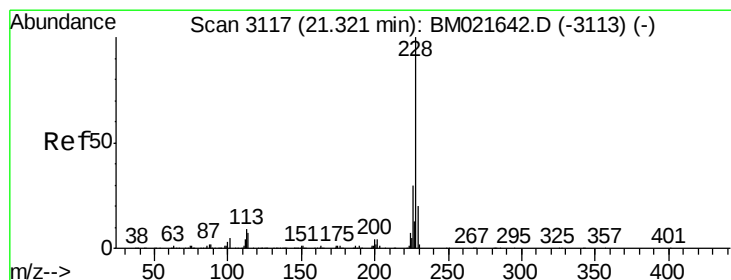
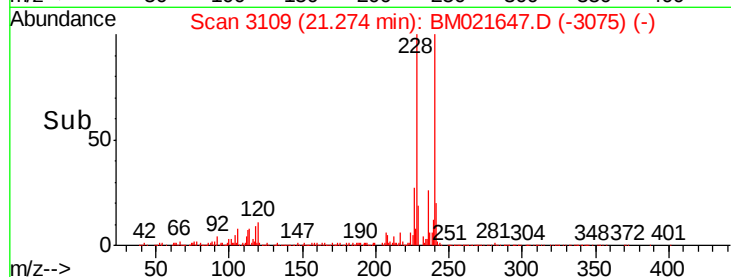
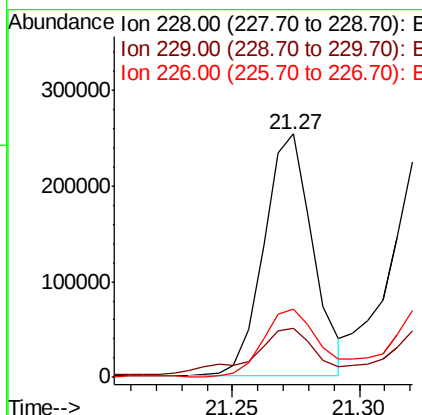
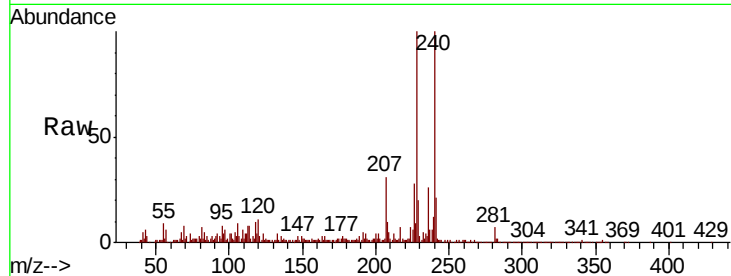
#82  
Benzo(a)anthracene  
Concen: 4.282 ng/ul  
RT: 21.27 min Scan# 3109  
Delta R.T. -0.00 min  
Lab File: BM021647.D  
Acq: 25 Jul 2019 21:40

Instrument :  
BNA\_M  
ClientSampleId :  
BENS3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.4  | 15.8  | 23.6  |
| 226     | 27.9  | 21.7  | 32.5  |

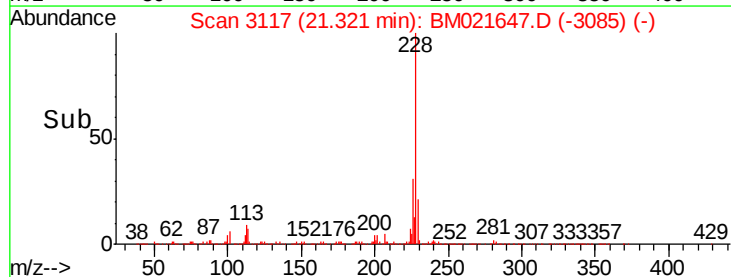
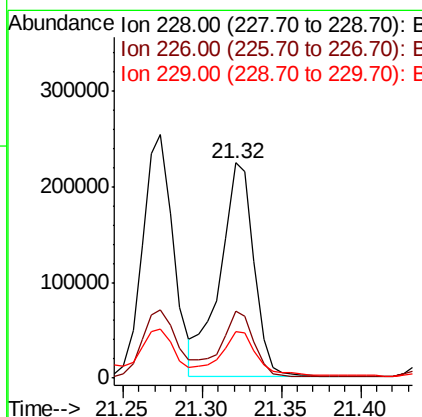
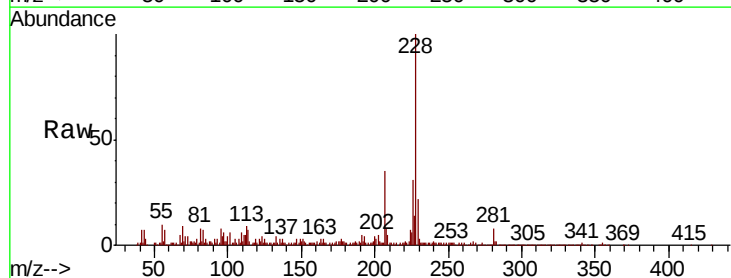
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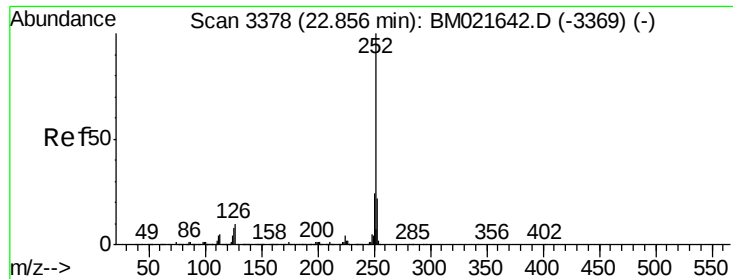
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#84  
Chrysene  
Concen: 4.367 ng/ul  
RT: 21.32 min Scan# 3117  
Delta R.T. -0.01 min  
Lab File: BM021647.D  
Acq: 25 Jul 2019 21:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 24.2  | 36.2  |
| 229     | 21.8  | 15.4  | 23.2  |





#87

Benzo(b)fluoranthene

Concen: 5.279 ng/ul

RT: 22.86 min Scan# 3379

Delta R.T. -0.01 min

Lab File: BM021647.D

Acq: 25 Jul 2019 21:40

Instrument :

BNA\_M

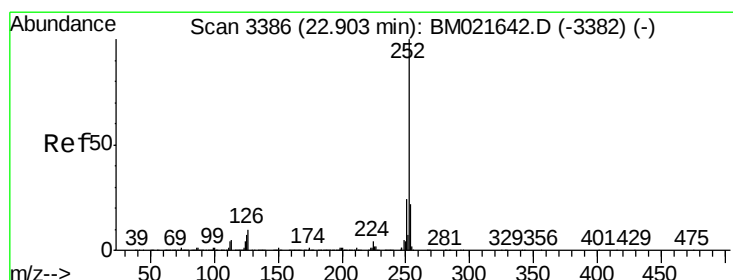
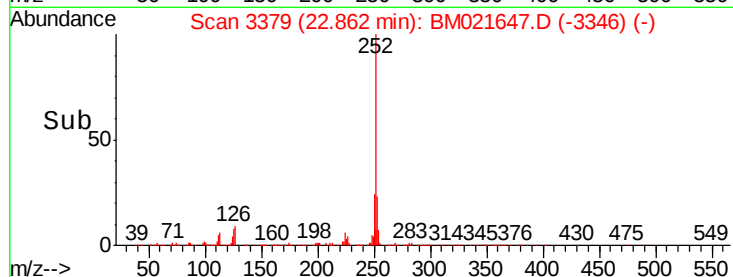
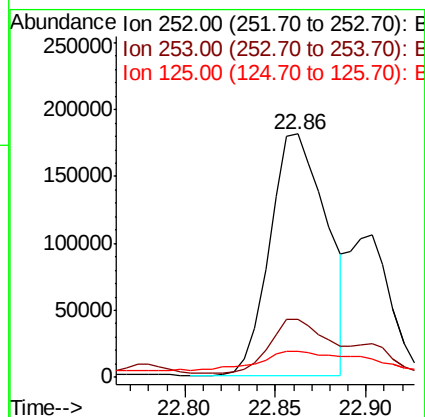
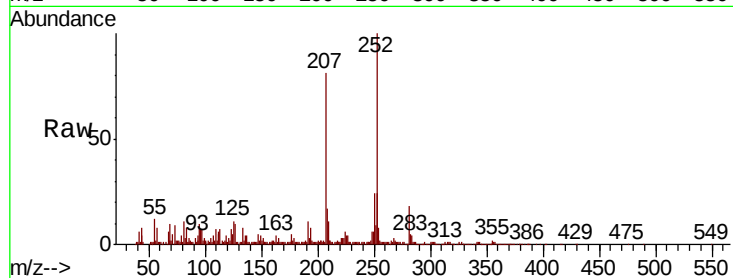
ClientSampled :

BENS3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 396070 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.9  | 17.6  | 26.4   |
| 125       | 10.8  | 5.8   | 8.6#   |

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#88

Benzo(k)fluoranthene

Concen: 2.204 ng/ul m

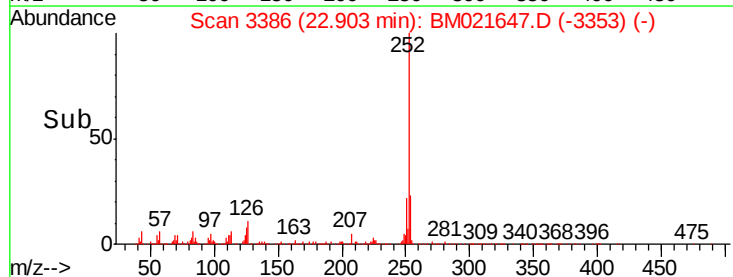
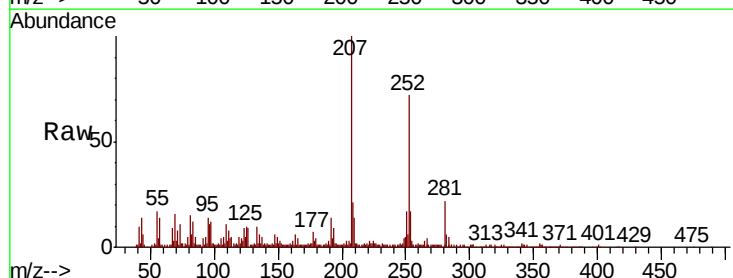
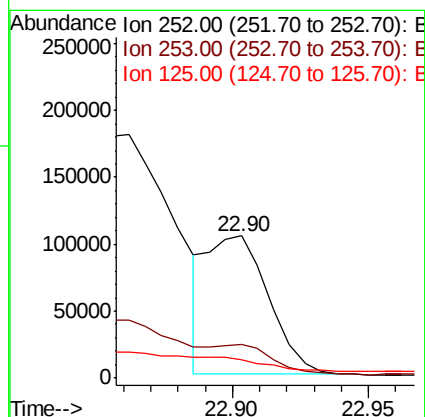
RT: 22.90 min Scan# 3386

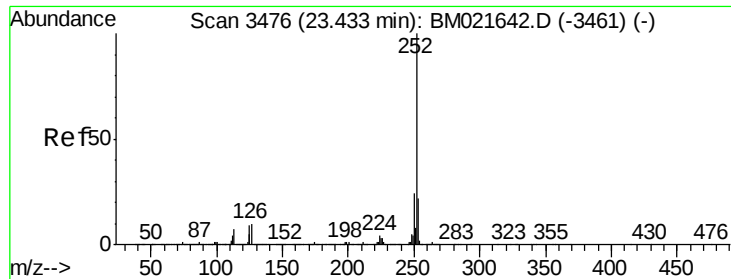
Delta R.T. -0.01 min

Lab File: BM021647.D

Acq: 25 Jul 2019 21:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 162210 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.8  | 17.7  | 26.5   |
| 125       | 13.2  | 6.4   | 9.6#   |





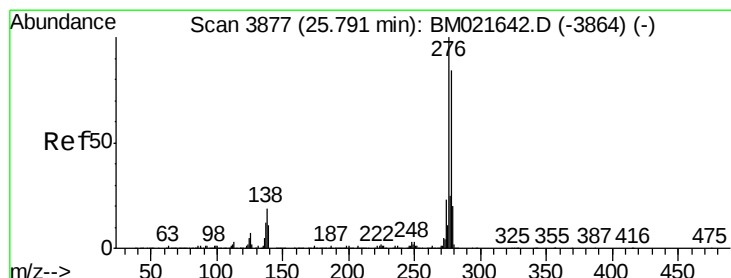
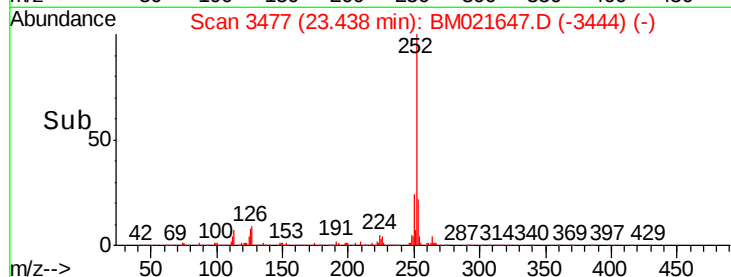
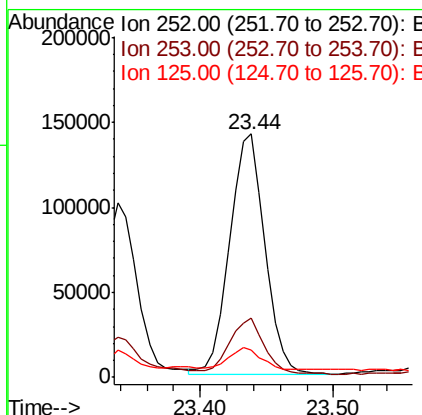
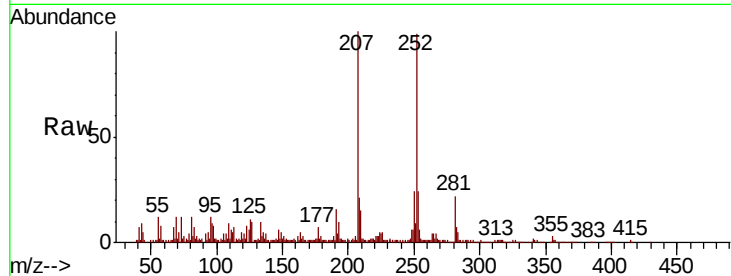
#90  
Benzo(a)pyrene  
Concen: 3.598 ng/ul  
RT: 23.44 min Scan# 3477  
Delta R.T. -0.01 min  
Lab File: BM021647.D  
Acq: 25 Jul 2019 21:40

Instrument :  
BNA\_M  
ClientSampleId :  
BENS3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 259223 |       |       |
| 253     | 24.3  |        | 17.8  | 26.6  |
| 125     | 11.1  |        | 7.0   | 10.4  |

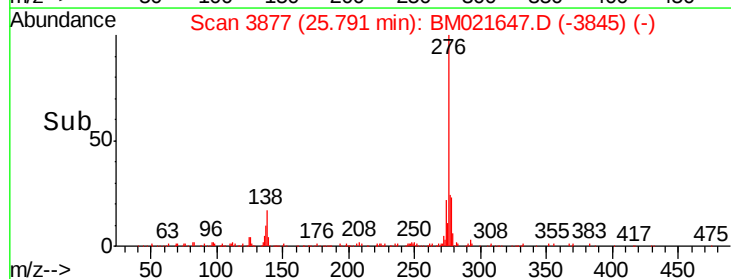
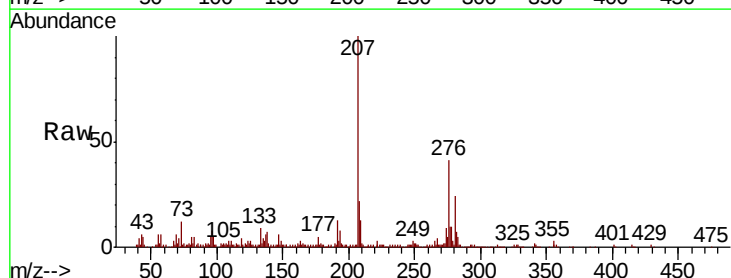
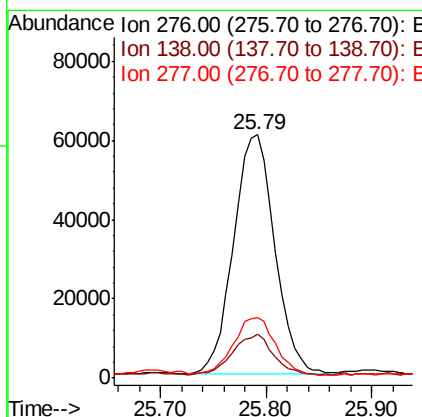
Manual Integrations  
APPROVED

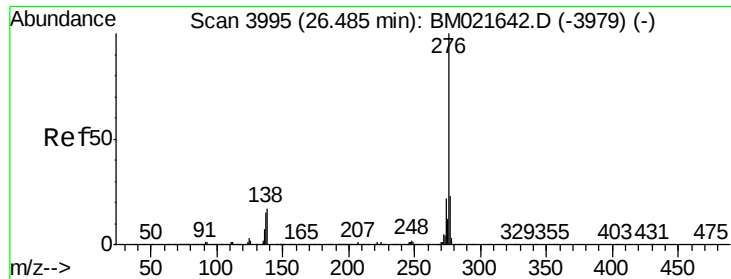
mohammad  
7/26/2019 3:24:13 PM



#91  
Indeno(1,2,3-cd)pyrene  
Concen: 1.873 ng/ul  
RT: 25.79 min Scan# 3877  
Delta R.T. -0.01 min  
Lab File: BM021647.D  
Acq: 25 Jul 2019 21:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 163869 |       |       |
| 138     | 18.0  |        | 15.2  | 22.8  |
| 277     | 25.1  |        | 20.2  | 30.2  |





#93  
 Benzo(a,h,i)perylene  
 Concen: 2.061 ng/ul  
 RT: 26.49 min Scan# 3995  
 Delta R.T. -0.01 min  
 Lab File: BM021647.D  
 Acq: 25 Jul 2019 21:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENS3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.8  | 13.7  | 20.5  |
| 277     | 24.6  | 19.0  | 28.6  |

Manual Integrations  
 APPROVED

mohammad  
 7/26/2019 3:24:13 PM

