

Data File : BM010699.D

Acq On : 23 Jun 2017 20:38

Operator : SJ/JU

Sample : I3625-09

Misc :

ALS Vial : 16 Sample Multiplier: 1

Instrument :

BNA\_M

ClientSampleId :

F5D03

Manual Integrations

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mohammad

6/27/2017 5:03:11 PM

Quant Time: Jun 24 05:02:37 2017

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 24 04:37:39 2017

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 79934    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 379913   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.11 | 164  | 265633   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.87 | 188  | 633559   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.08 | 240  | 624768   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.22 | 264  | 460636   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 6140    | 4.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 175004  | 22.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.81  | 67  | 100038  | 23.01 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.00  | 132 | 136857  | 25.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.16  | 113 | 156202  | 24.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 75859   | 27.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 94541   | 30.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 180108  | 27.40 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 191347  | 27.62 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.53 | 166 | 710917  | 30.49 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.80 | 160 | 775888  | 28.61 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.33 | 143 | 115759  | 28.21 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.12 | 176 | 595573  | 29.55 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 117009  | 30.07 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.97 | 188 | 951161m | 31.09 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.28 | 212 | 1335917 | 46.03 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.09 | 264 | 1025807 | 46.07 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |             | Qvalue |
|----------------------------|-------|-----|--------|-------------|--------|
| 6) Phenol                  | 6.67  | 94  | 9059   | 1.16 ng/ul  | 91     |
| 44) Dimethylphthalate      | 13.58 | 163 | 80817  | 3.54 ng/ul  | 99     |
| 69) Phenanthrene           | 16.91 | 178 | 152707 | 4.53 ng/ul  | 97     |
| 74) Fluoranthene           | 18.94 | 202 | 375282 | 8.65 ng/ul  | 98     |
| 77) Pyrene                 | 19.30 | 202 | 337964 | 9.37 ng/ul# | 96     |
| 80) Benzo(a)anthracene     | 21.07 | 228 | 216288 | 5.94 ng/ul  | 98     |
| 82) Chrysene               | 21.11 | 228 | 236413 | 7.29 ng/ul  | 98     |
| 85) Benzo(b)fluoranthene   | 22.59 | 252 | 295470 | 9.88 ng/ul# | 99     |
| 86) Benzo(k)fluoranthene   | 22.63 | 252 | 97270m | 3.43 ng/ul  |        |
| 88) Benzo(a)pyrene         | 23.13 | 252 | 158615 | 5.76 ng/ul  | 99     |
| 89) Indeno(1,2,3-cd)pyrene | 25.33 | 276 | 94705  | 3.32 ng/ul# | 91     |
| 90) Dibenzo(a,h)anthracene | 25.33 | 278 | 27382m | 1.15 ng/ul  |        |
| 91) Benzo(g,h,i)perylene   | 25.97 | 276 | 70513  | 3.10 ng/ul  | 98     |

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

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BNA\_M

ClientSampleId :

F5D03

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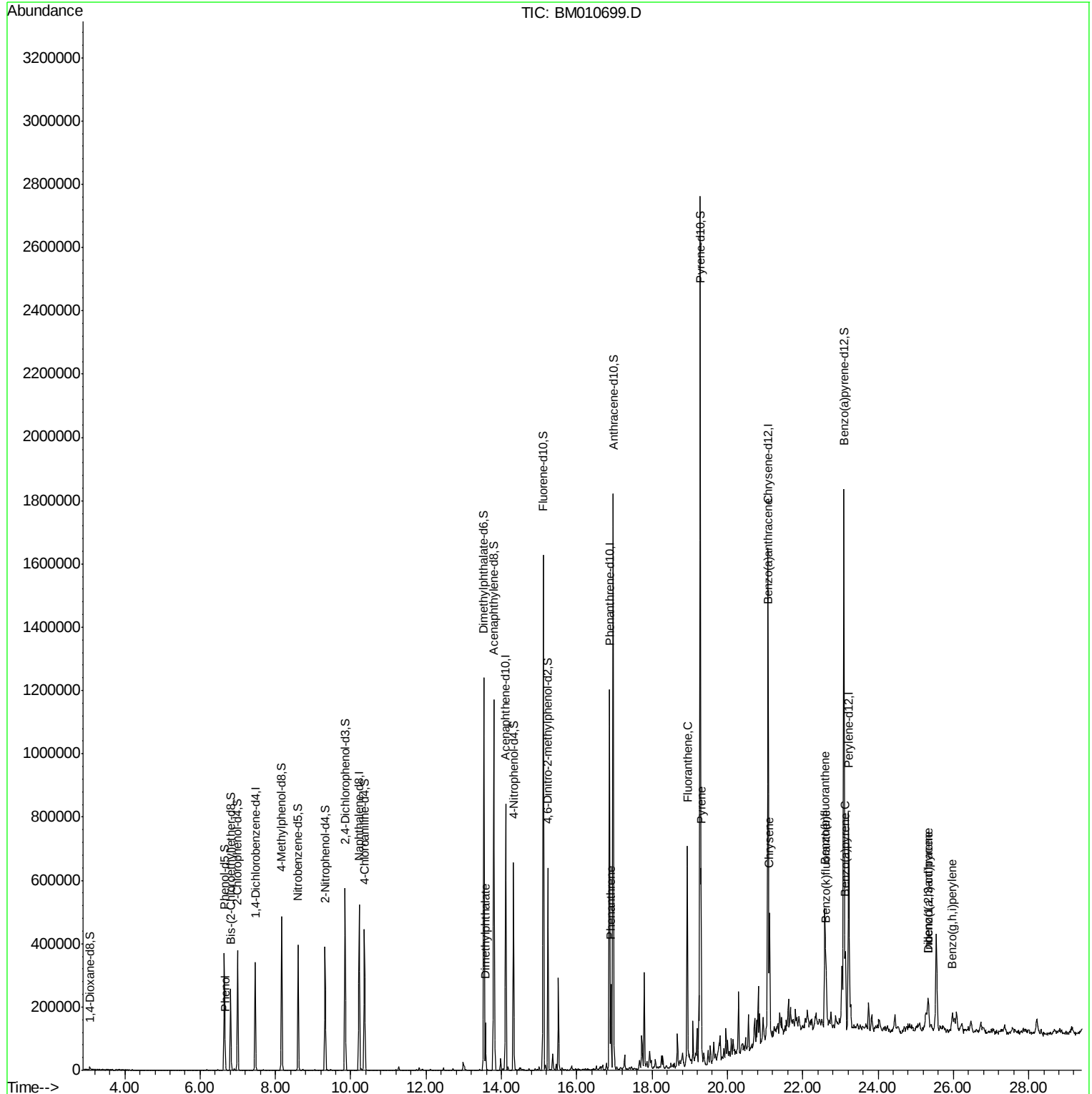
Quant Time: Jun 24 05:02:37 2017

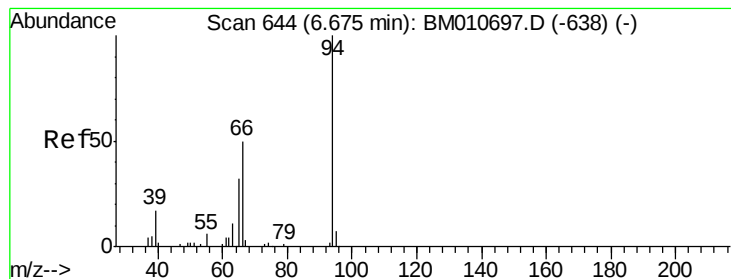
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Jun 24 04:37:39 2017

Response via : Initial Calibration





#6

Phenol

Concen: 1.16 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

Instrument :

BNA\_M

ClientSampled :

F5D03

Tgt Ion: 94 Resp: 9059

Ion Ratio Lower Upper

94 100

65 31.1 28.2 42.4

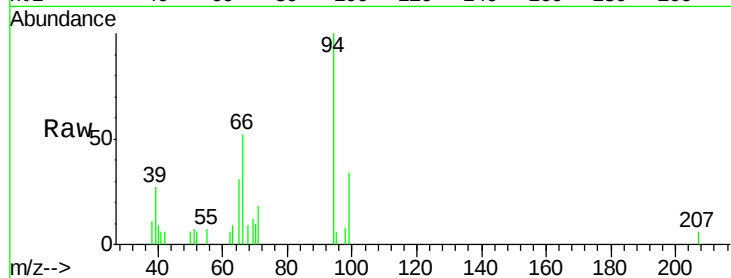
66 51.9 47.2 70.8

Manual Integrations

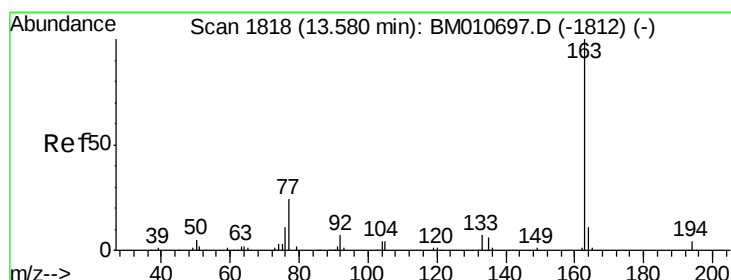
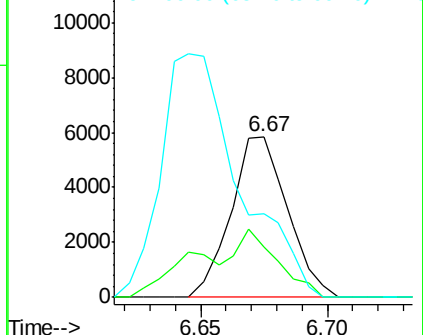
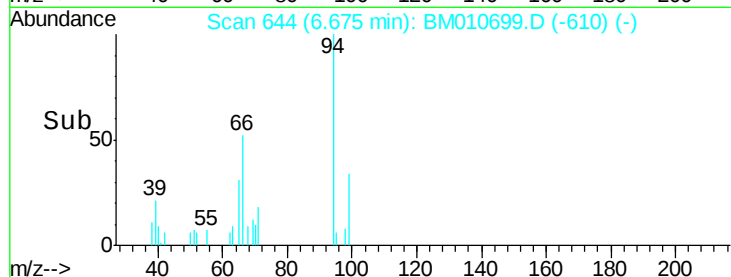
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Abundance Ion 94.00 (93.70 to 94.70): BM010699.D (-610) (-)



#44

Dimethylphthalate

Concen: 3.54 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

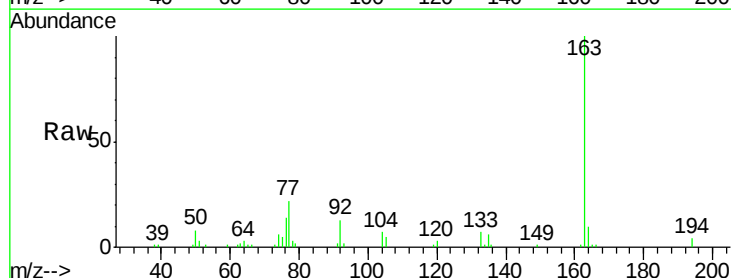
Tgt Ion: 163 Resp: 80817

Ion Ratio Lower Upper

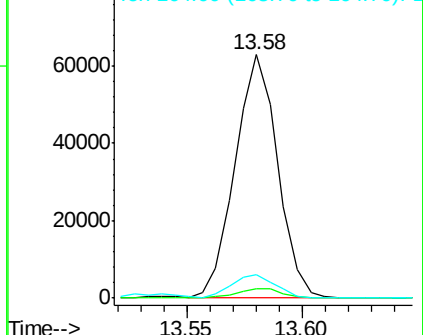
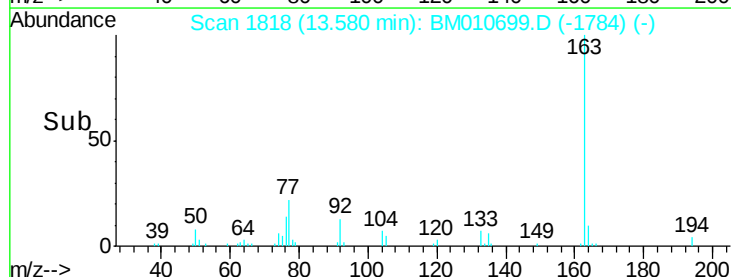
163 100

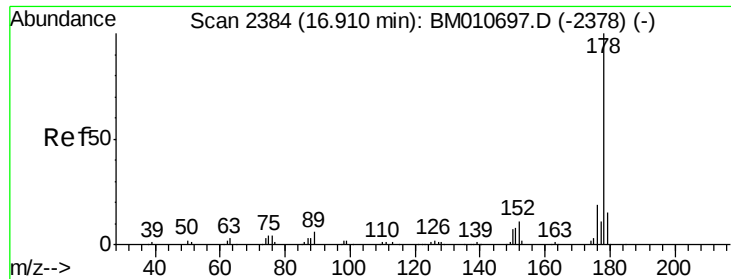
194 4.0 3.5 5.3

164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): BM010699.D (-1784) (-)





#69

Phenanthrene

Concen: 4.53 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

Instrument :

BNA\_M

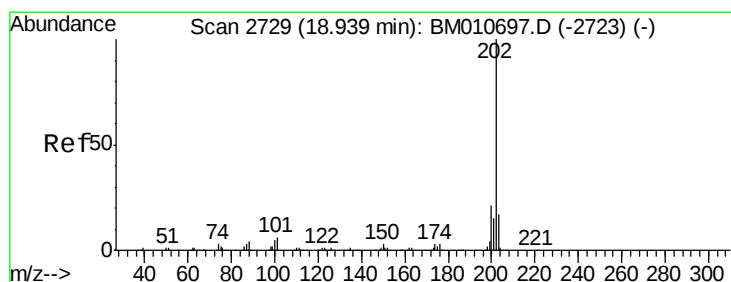
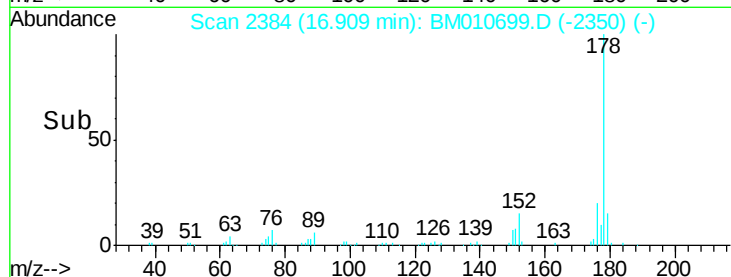
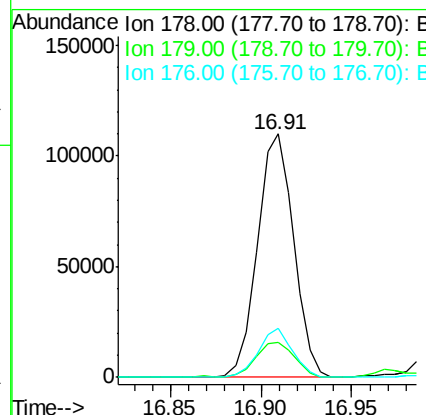
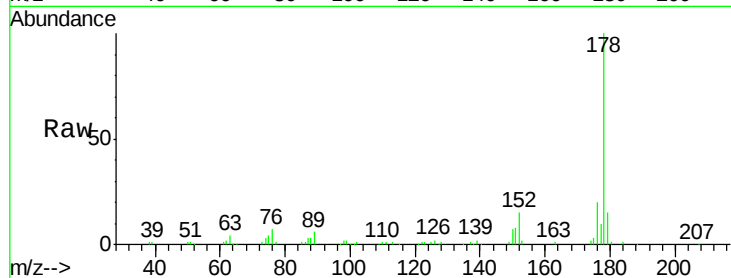
ClientSampled :

F5D03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 152707 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 14.6  | 12.6  | 19.0   |
| 176       | 20.2  | 14.9  | 22.3   |

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#74

Fluoranthene

Concen: 8.65 ng/ul

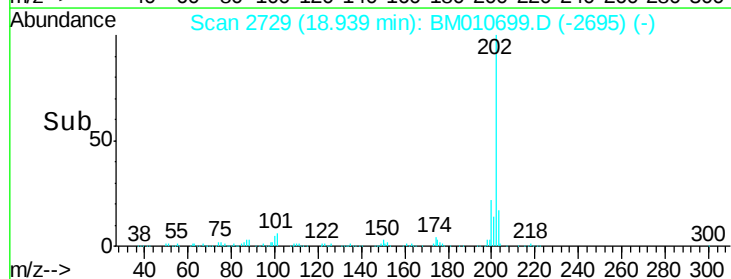
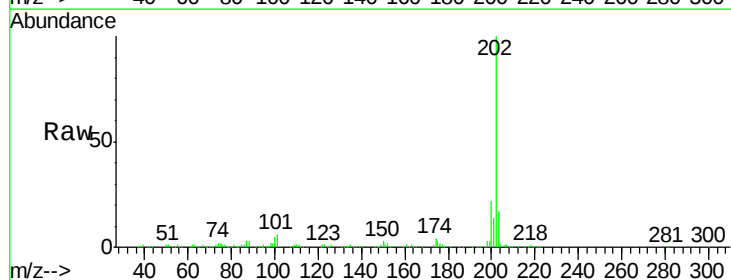
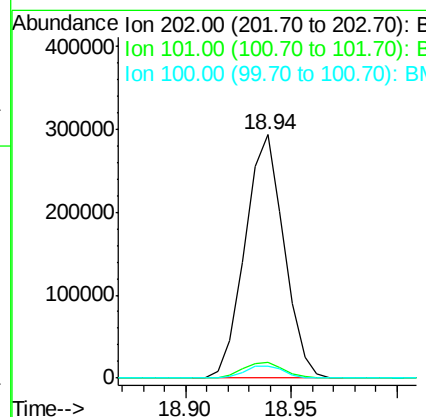
RT: 18.94 min Scan# 2729

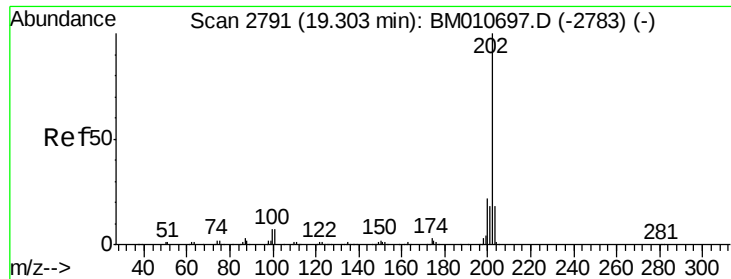
Delta R.T. -0.00 min

Lab File: BM010699.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 375282 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 6.3   | 4.6   | 7.0    |
| 100       | 4.8   | 3.4   | 5.2    |





#77

Pyrene

Concen: 9.37 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

Instrument :

BNA\_M

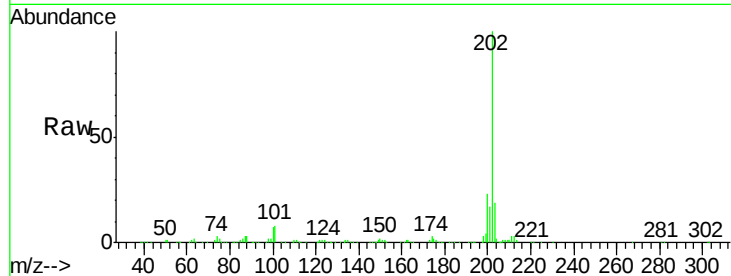
ClientSampleId :

F5D03

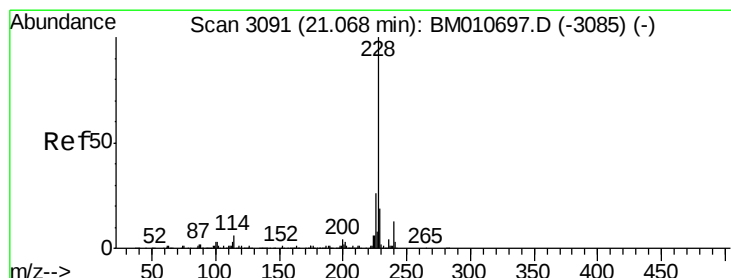
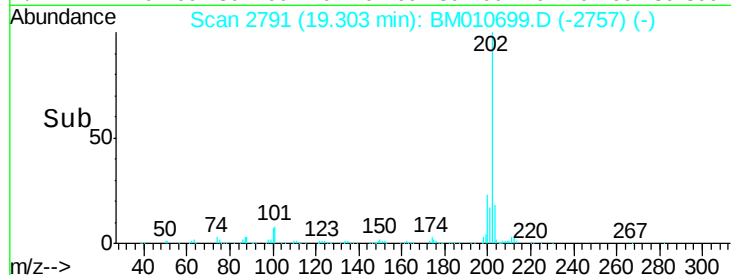
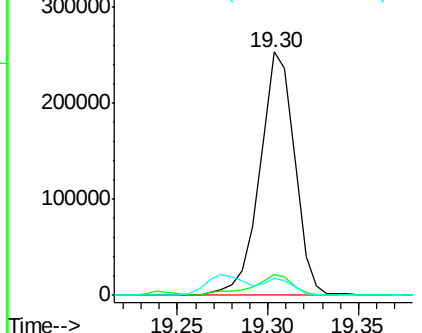
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 337964 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 8.3   | 5.1   | 7.7#   |
| 100       | 6.8   | 4.9   | 7.3    |

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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



#80

Benzo(a)anthracene

Concen: 5.94 ng/ul

RT: 21.07 min Scan# 3091

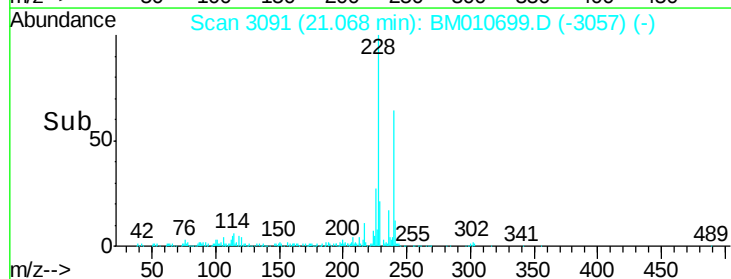
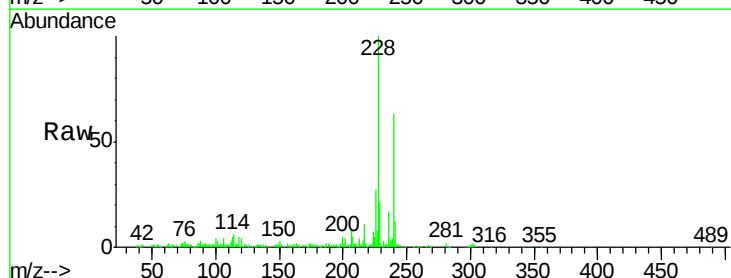
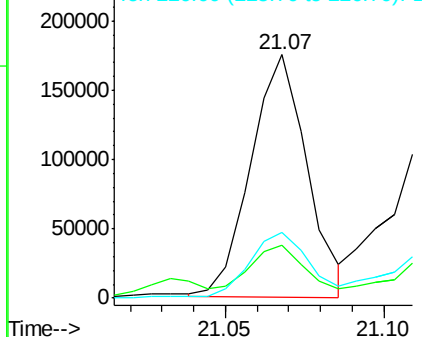
Delta R.T. -0.00 min

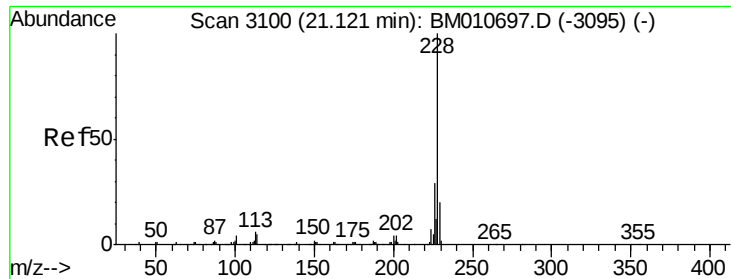
Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 216288 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 21.5  | 15.4  | 23.0   |
| 226       | 27.0  | 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





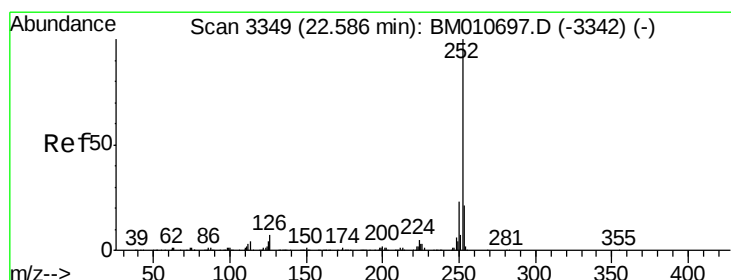
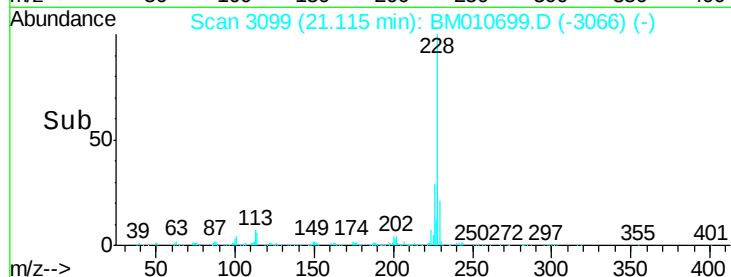
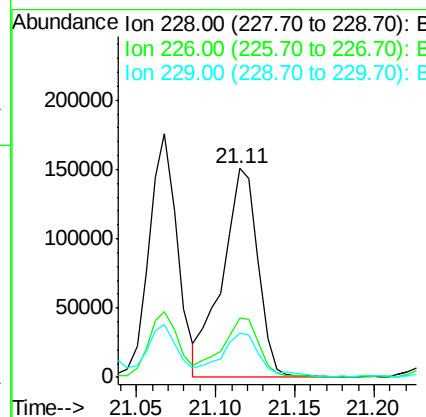
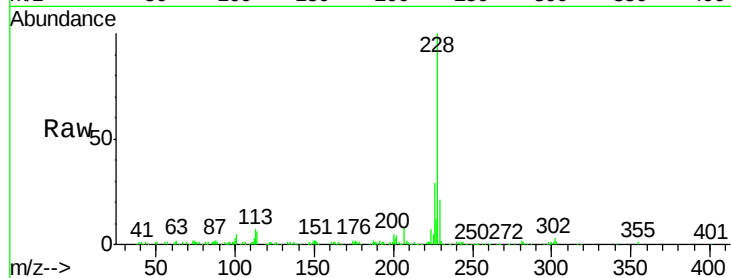
#82  
Chrysene  
Concen: 7.29 ng/ul  
RT: 21.11 min Scan# 3099  
Delta R.T. -0.01 min  
Lab File: BM010699.D  
Acq: 23 Jun 2017 20:38

Instrument :  
BNA\_M  
ClientSampleId :  
F5D03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 236413 |       |       |
| 226     | 28.7  |        | 23.4  | 35.2  |
| 229     | 21.2  |        | 15.5  | 23.3  |

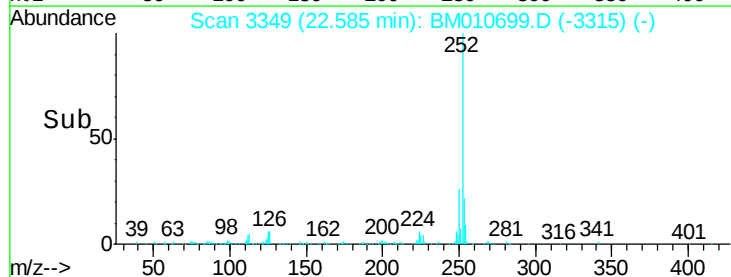
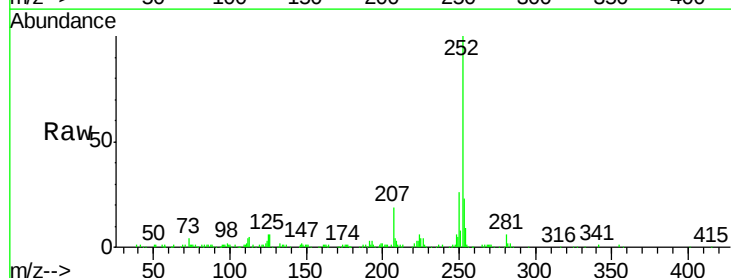
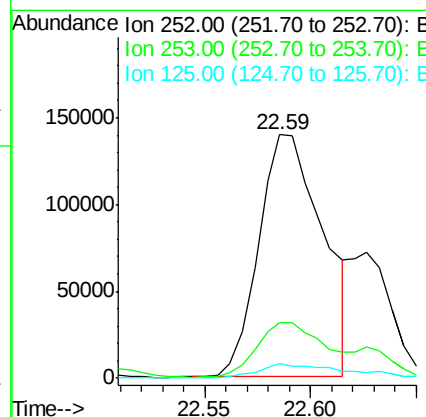
Manual Integrations  
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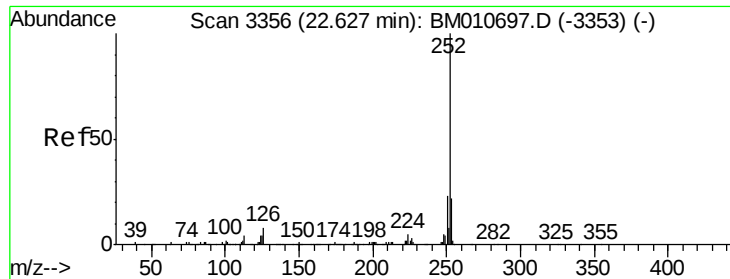
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#85  
Benzo(b)fluoranthene  
Concen: 9.88 ng/ul  
RT: 22.59 min Scan# 3349  
Delta R.T. -0.00 min  
Lab File: BM010699.D  
Acq: 23 Jun 2017 20:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 295470 |       |       |
| 253     | 22.6  |        | 17.9  | 26.9  |
| 125     | 5.9   |        | 3.6   | 5.4#  |





#86

Benzo(k)fluoranthene

Concen: 3.43 ng/ul m

RT: 22.63 min Scan# 3356

Delta R.T. -0.00 min

Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

Instrument :

BNA\_M

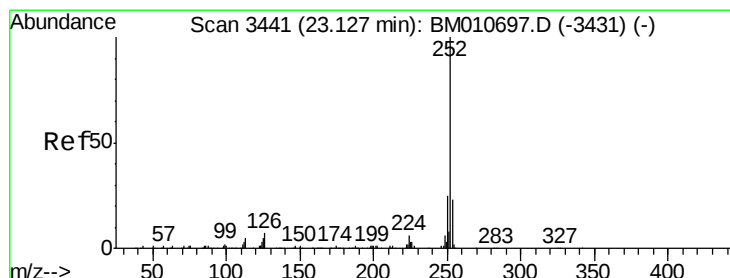
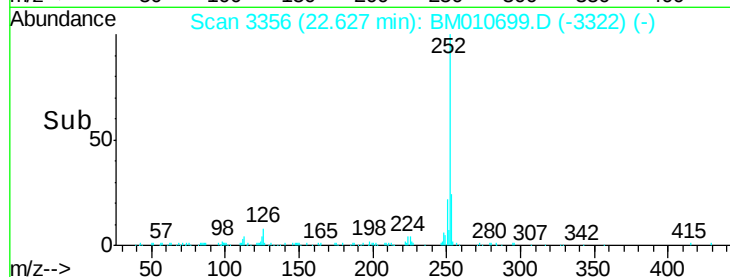
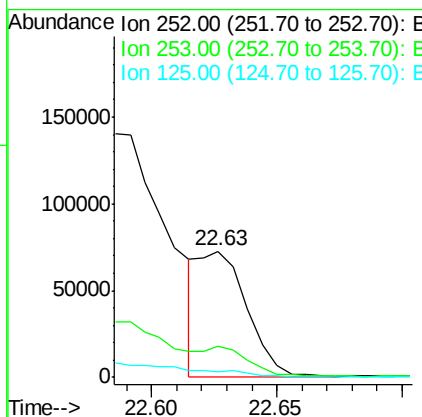
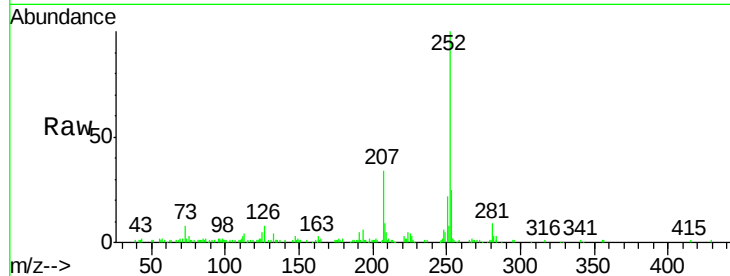
ClientSampleId :

F5D03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 97270 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.0  | 17.1  | 25.7  |
| 125       | 4.8   | 3.4   | 5.2   |

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#88

Benzo(a)pyrene

Concen: 5.76 ng/ul

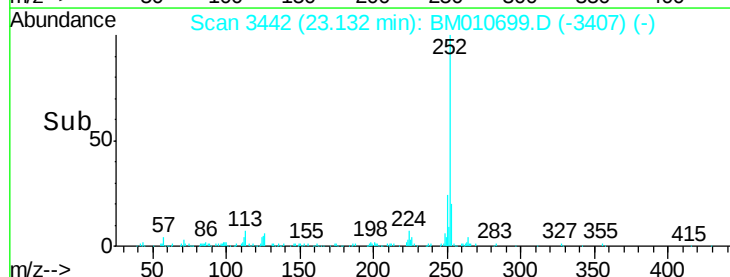
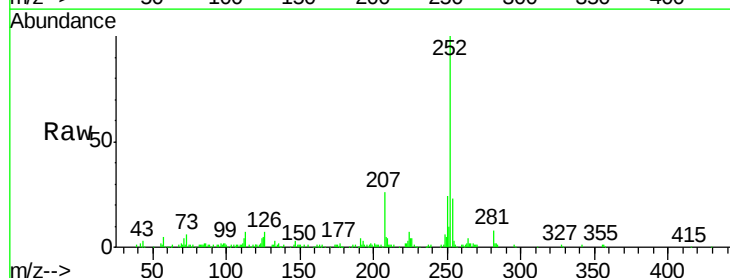
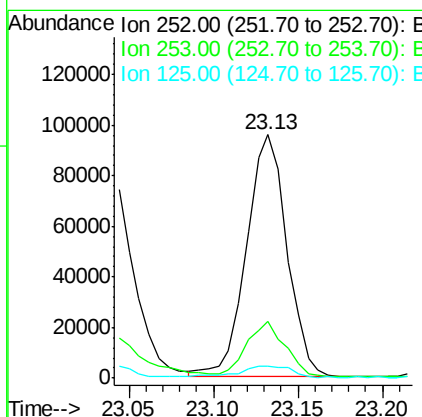
RT: 23.13 min Scan# 3442

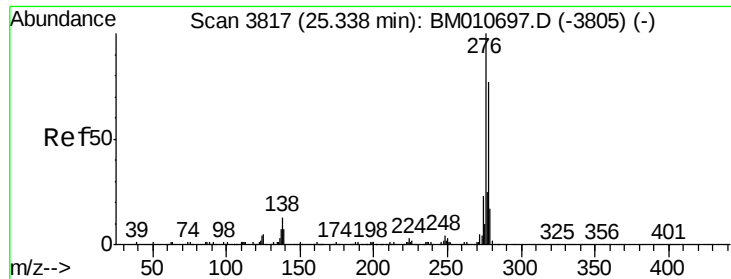
Delta R.T. 0.01 min

Lab File: BM010699.D

Acq: 23 Jun 2017 20:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 158615 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.5  | 18.2  | 27.2   |
| 125       | 4.9   | 4.0   | 6.0    |





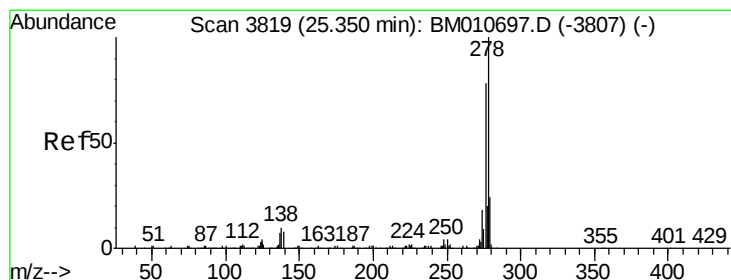
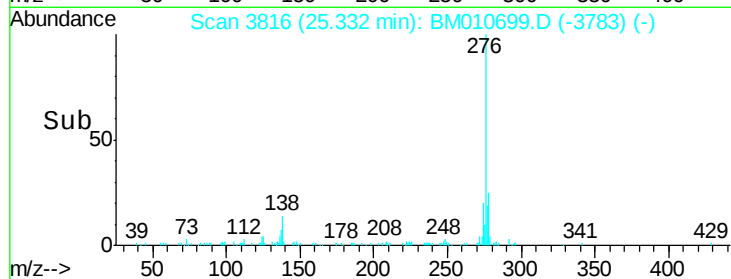
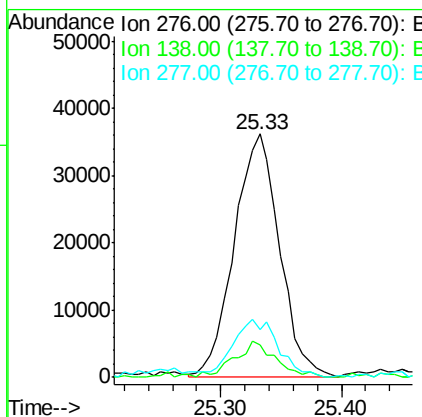
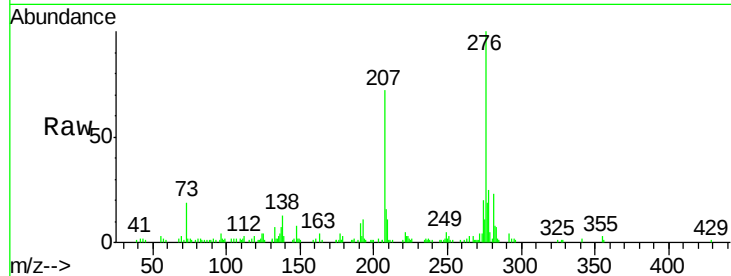
#89  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.32 ng/ul  
 RT: 25.33 min Scan# 3816  
 Delta R.T. -0.01 min  
 Lab File: BM010699.D  
 Acq: 23 Jun 2017 20:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F5D03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 13.5  | 9.3   | 13.9  |
| 277     | 19.5  | 19.9  | 29.9# |

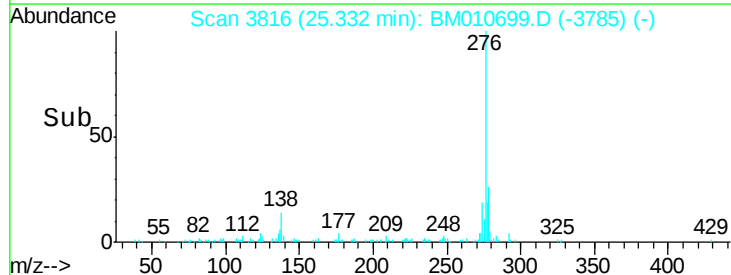
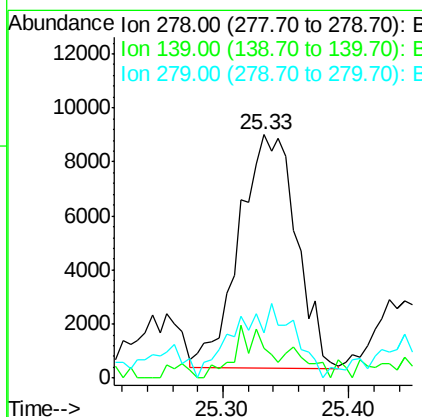
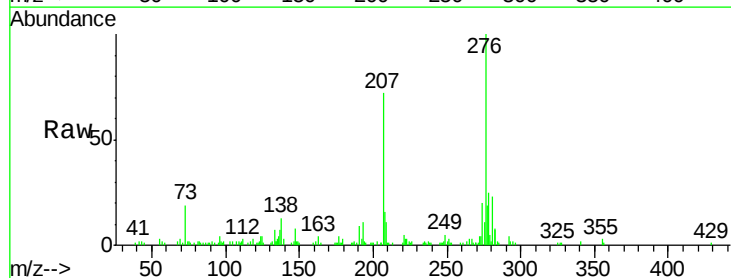
Manual Integrations  
 APPROVED

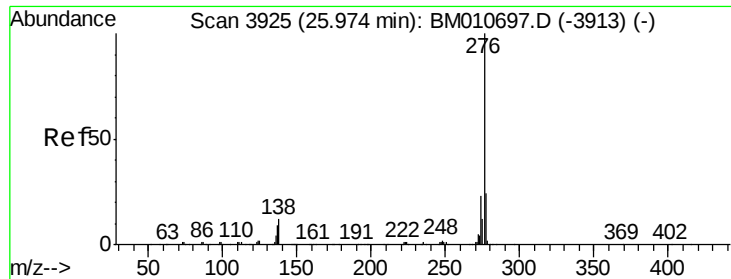
mohammad  
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#90  
 Dibenzo(a,h)anthracene  
 Concen: 1.15 ng/ul m  
 RT: 25.33 min Scan# 3816  
 Delta R.T. -0.02 min  
 Lab File: BM010699.D  
 Acq: 23 Jun 2017 20:38

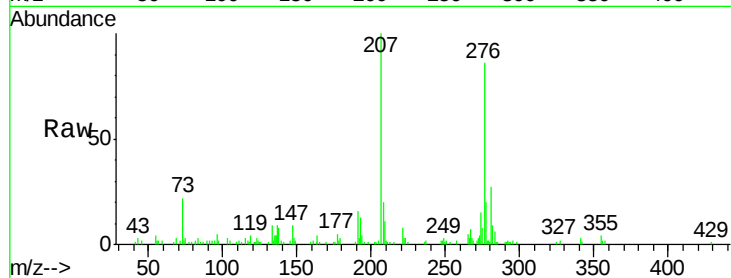
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.3  | 5.8   | 8.8#  |
| 279     | 18.5  | 18.6  | 27.8# |





#91  
 Benzo(g,h,i)perylene  
 Concen: 3.10 ng/ul  
 RT: 25.97 min Scan# 3925  
 Delta R.T. -0.00 min  
 Lab File: BM010699.D  
 Acq: 23 Jun 2017 20:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F5D03



|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 276  | Resp: | 70513 |
| Ion Ratio |      | Lower | Upper |
| 276       | 100  |       |       |
| 138       | 9.0  | 8.5   | 12.7  |
| 277       | 23.4 | 18.6  | 28.0  |

Manual Integrations  
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