

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\  
 Data File : BM023830.D  
 Acq On : 21 Nov 2019 15:43  
 Operator : JU  
 Sample : K5851-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA3

Manual Integrations  
 APPROVED

mohammad  
 11/22/2019 1:22:35 PM

Quant Time: Nov 21 16:33:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 21 16:09:32 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.51  | 152  | 315334   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.29 | 136  | 1295044  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.17 | 164  | 794638   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 16.92 | 188  | 1707271  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.13 | 240  | 1709279  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.28 | 264  | 2068820  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 25066   | 3.28  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.70  | 99  | 534812  | 18.61 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.86  | 67  | 307221  | 18.60 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.05  | 132 | 421965  | 20.26 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.23  | 113 | 380981  | 16.61 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.66  | 128 | 200272  | 21.60 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.38  | 143 | 223627  | 22.95 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.92  | 165 | 423739  | 19.07 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.43 | 131 | 419373  | 17.19 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.59 | 166 | 1252641 | 20.21 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.86 | 160 | 1496003 | 21.15 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.40 | 143 | 154578  | 14.61 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.17 | 176 | 1152508 | 21.06 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.31 | 200 | 125368  | 12.69 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.02 | 188 | 1810002 | 22.35 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.33 | 212 | 2032360 | 22.80 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.14 | 264 | 2437347 | 22.39 | ng/ul | -0.01 |

## Target Compounds

|                          |       |     |         |       | Ovalue |     |
|--------------------------|-------|-----|---------|-------|--------|-----|
| 45) Dimethylphthalate    | 13.64 | 163 | 464626  | 7.651 | ng/ul  | 100 |
| 70) Phenanthrene         | 16.96 | 178 | 149681  | 1.592 | ng/ul  | 98  |
| 77) Fluoranthene         | 18.99 | 202 | 311587  | 3.093 | ng/ul# | 96  |
| 80) Pyrene               | 19.36 | 202 | 277110  | 2.508 | ng/ul  | 97  |
| 83) Benzo(a)anthracene   | 21.11 | 228 | 128677  | 1.141 | ng/ul  | 92  |
| 85) Chrysene             | 21.16 | 228 | 143427m | 1.351 | ng/ul  |     |
| 88) Benzo(b)fluoranthene | 22.64 | 252 | 189642  | 1.438 | ng/ul# | 87  |
| 91) Benzo(a)pyrene       | 23.19 | 252 | 135445  | 1.122 | ng/ul# | 83  |
| 94) Benzo(a,h,i)perylene | 26.07 | 276 | 119557  | 1.143 | ng/ul# | 89  |

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

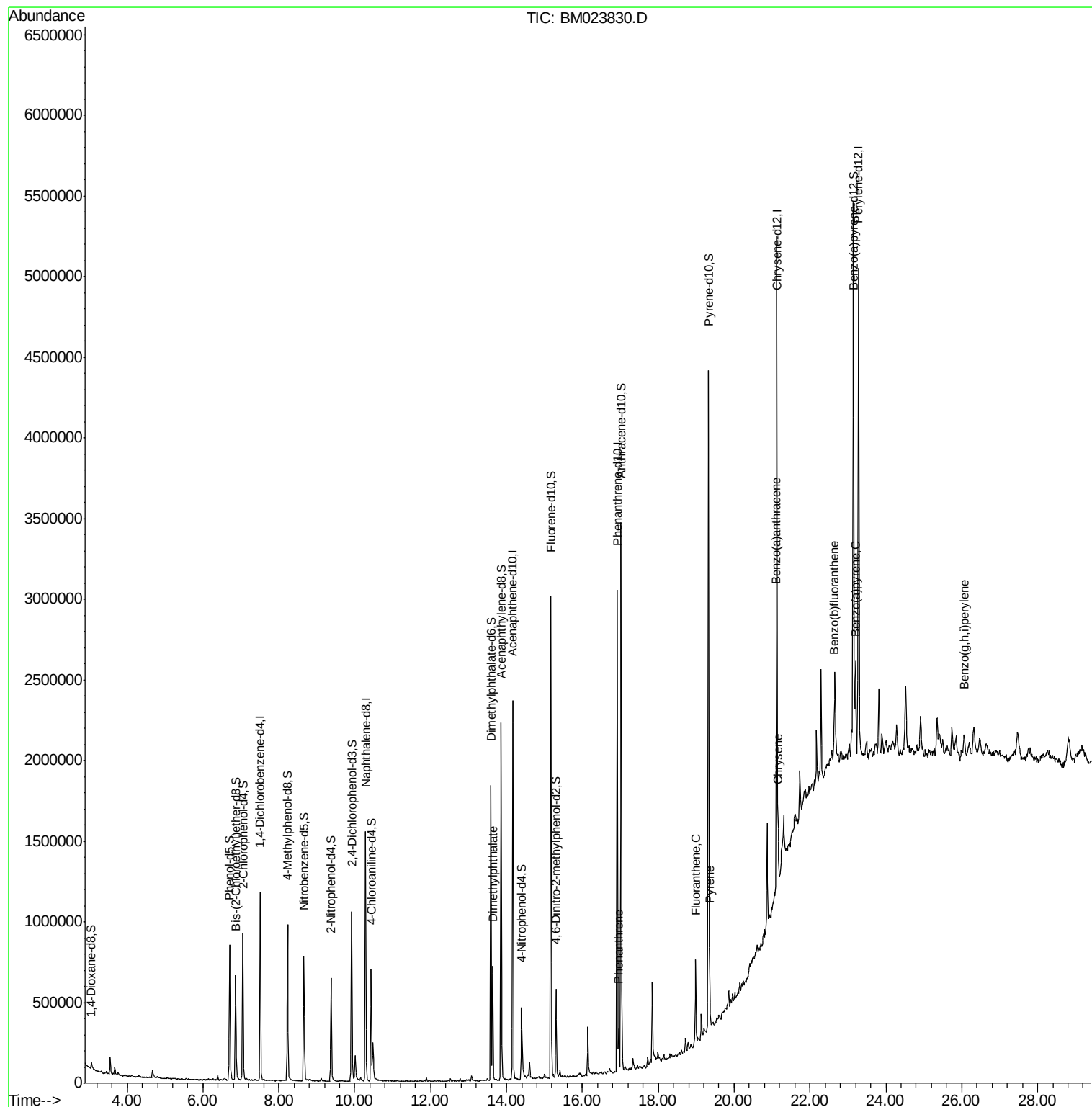
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\  
Data File : BM023830.D  
Acq On : 21 Nov 2019 15:43  
Operator : JU  
Sample : K5851-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

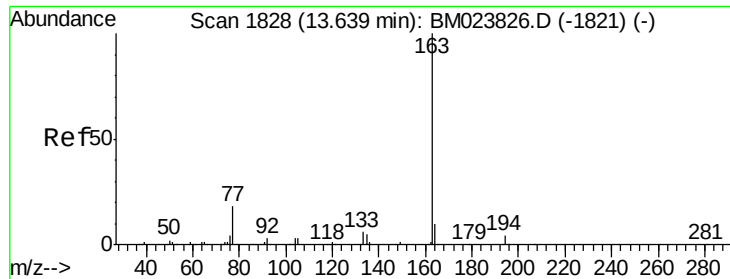
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA3

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Quant Time: Nov 21 16:33:33 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Nov 21 16:09:32 2019  
Response via : Initial Calibration





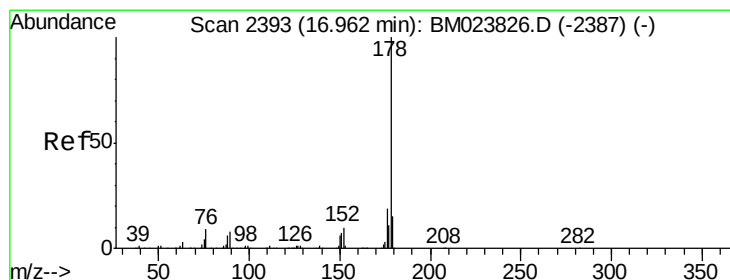
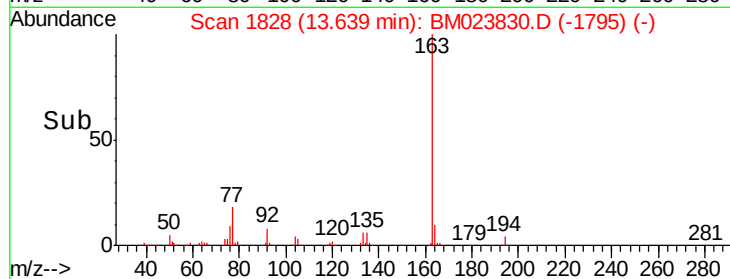
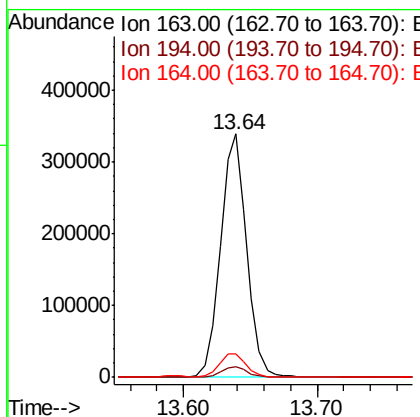
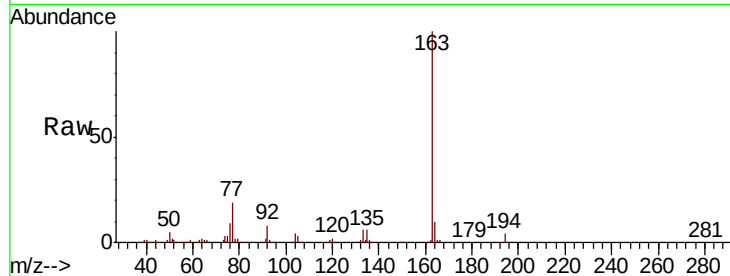
#45  
Dimethylphthalate  
Concen: 7.651 ng/ul  
RT: 13.64 min Scan# 1828  
Delta R.T. -0.01 min  
Lab File: BM023830.D  
Acq: 21 Nov 2019 15:43

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA3

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 464626 |       |       |
| 194     | 4.4   |        | 3.4   | 5.2   |
| 164     | 9.8   |        | 8.0   | 12.0  |

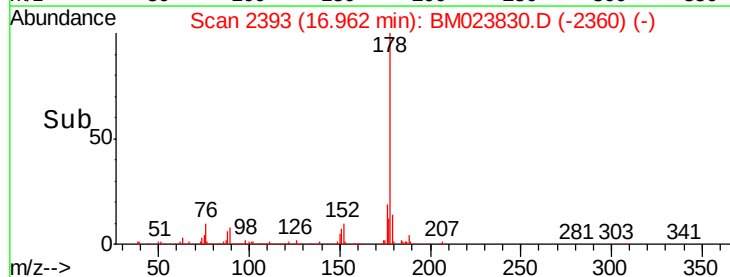
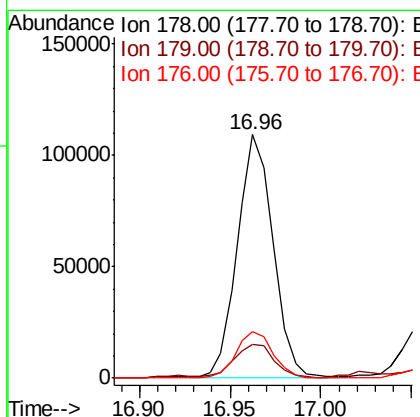
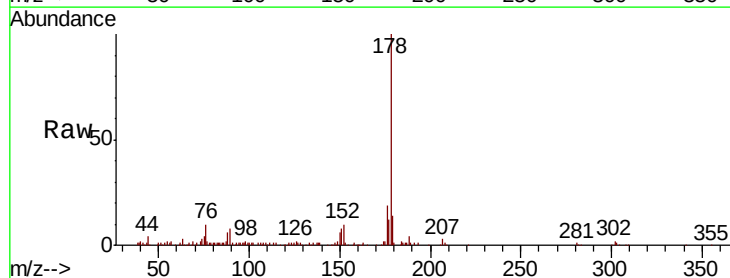
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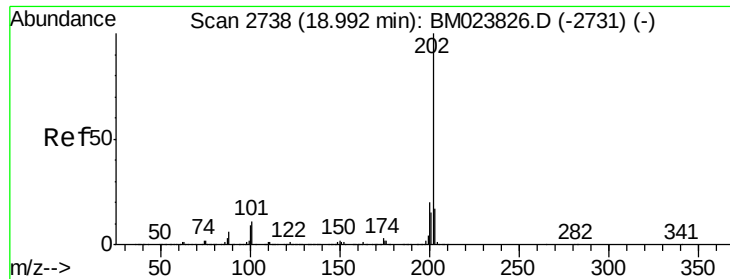
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#70  
Phenanthrene  
Concen: 1.592 ng/ul  
RT: 16.96 min Scan# 2393  
Delta R.T. -0.01 min  
Lab File: BM023830.D  
Acq: 21 Nov 2019 15:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 149681 |       |       |
| 179     | 14.1  |        | 12.3  | 18.5  |
| 176     | 18.9  |        | 15.0  | 22.6  |





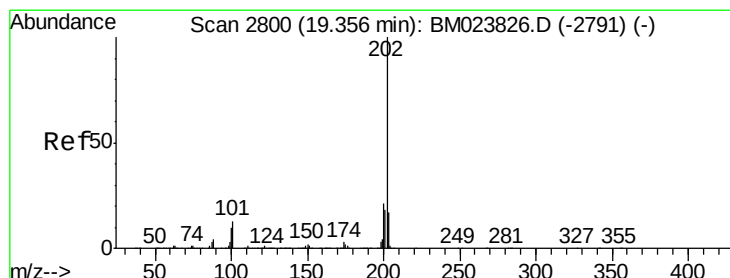
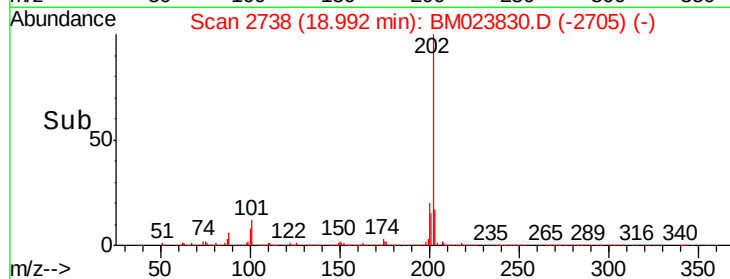
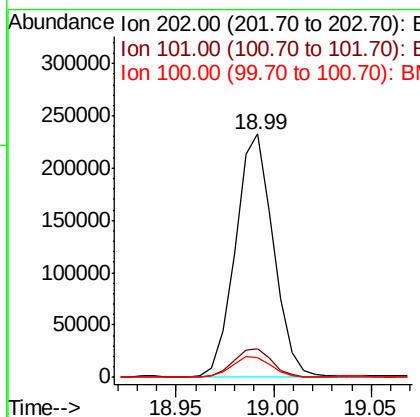
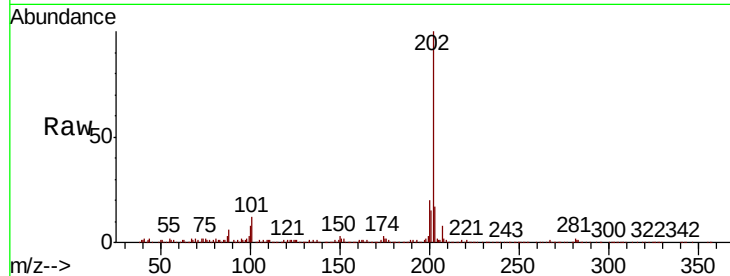
#77  
 Fluoranthene  
 Concen: 3.093 ng/ul  
 RT: 18.99 min Scan# 2738  
 Delta R.T. -0.01 min  
 Lab File: BM023830.D  
 Acq: 21 Nov 2019 15:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA3

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.8  | 7.7        | 11.5# |
| 100     | 8.3   | 6.0        | 9.0   |

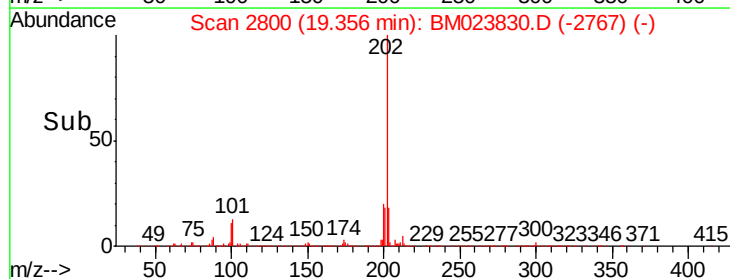
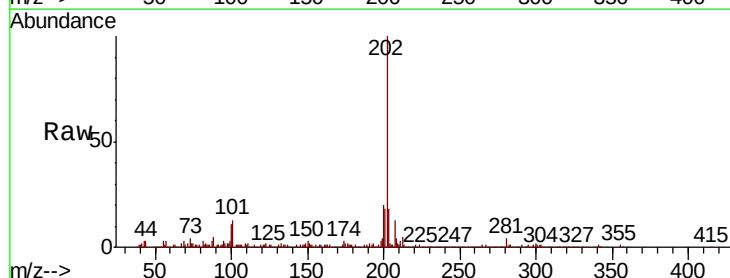
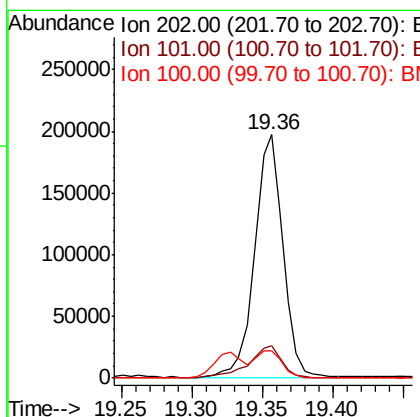
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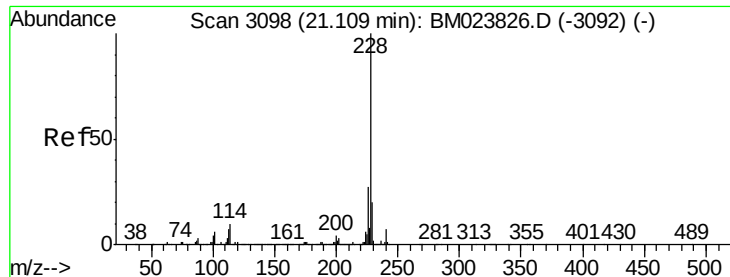
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#80  
 Pyrene  
 Concen: 2.508 ng/ul  
 RT: 19.36 min Scan# 2800  
 Delta R.T. -0.01 min  
 Lab File: BM023830.D  
 Acq: 21 Nov 2019 15:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 13.5  | 9.8        | 14.6  |
| 100     | 11.0  | 8.1        | 12.1  |





#83

Benzo(a)anthracene

Concen: 1.141 ng/ul

RT: 21.11 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM023830.D

Acq: 21 Nov 2019 15:43

Instrument :

BNA\_M

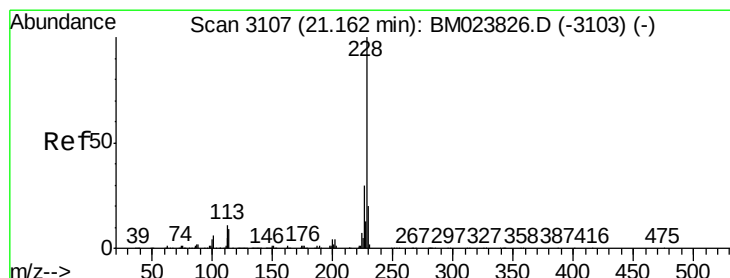
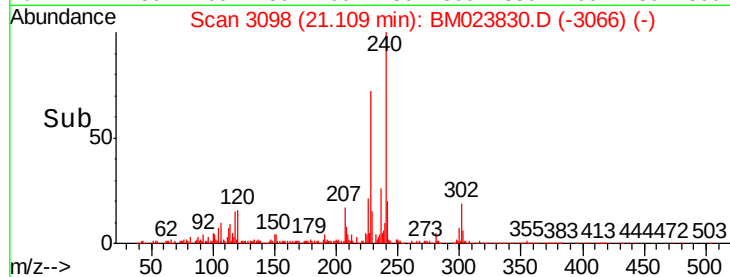
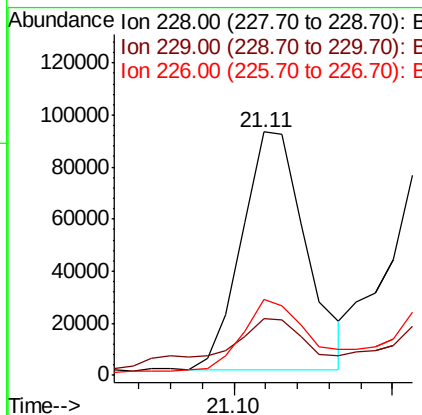
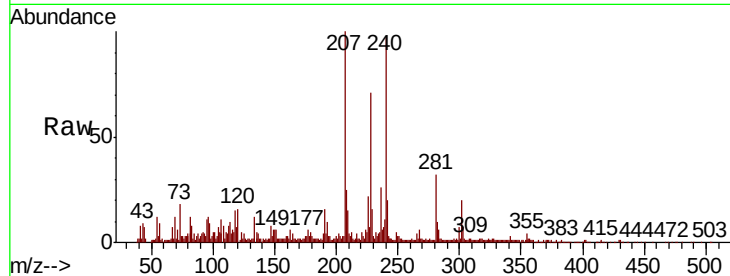
ClientSampleId :

C0AA3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 128677 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 23.3  | 15.6  | 23.4   |
| 226       | 31.1  | 21.4  | 32.2   |

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#85

Chrysene

Concen: 1.351 ng/ul m

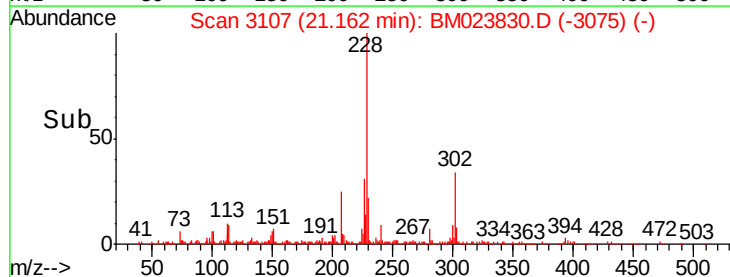
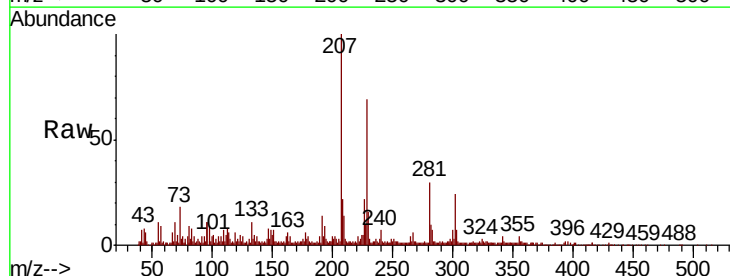
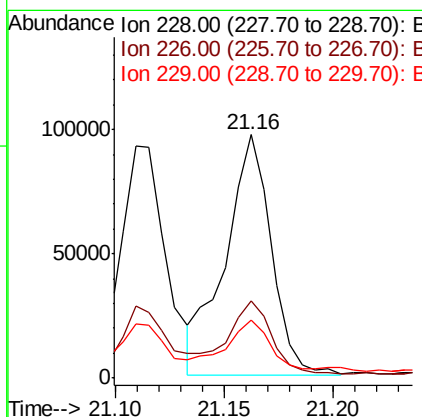
RT: 21.16 min Scan# 3107

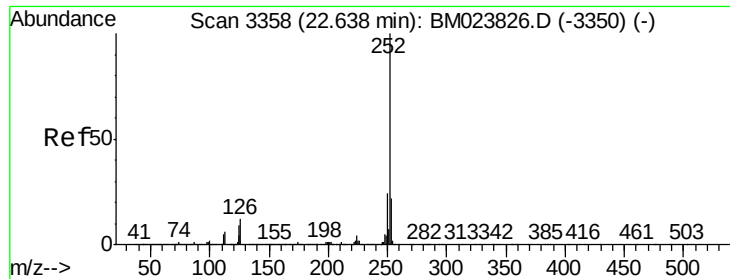
Delta R.T. -0.01 min

Lab File: BM023830.D

Acq: 21 Nov 2019 15:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 143427 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.6  | 23.8  | 35.8   |
| 229       | 24.0  | 15.8  | 23.6#  |





#88

Benzo(b)fluoranthene

Concen: 1.438 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BM023830.D

Acq: 21 Nov 2019 15:43

Instrument :

BNA\_M

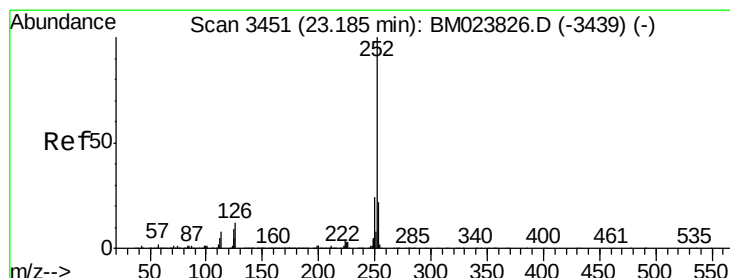
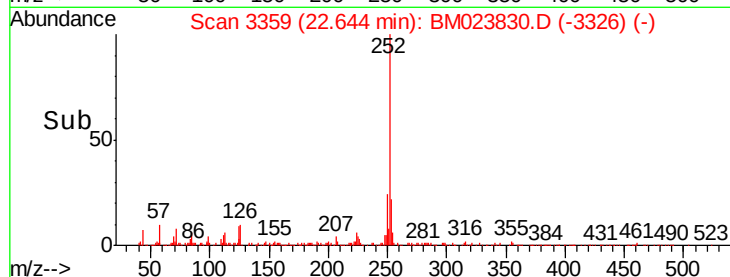
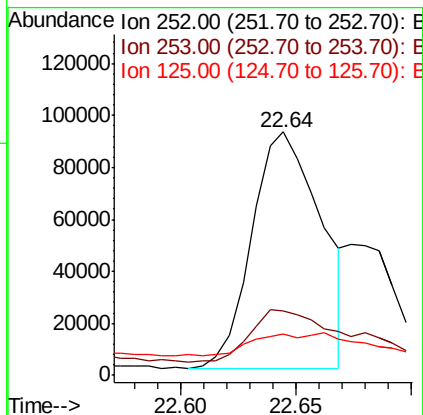
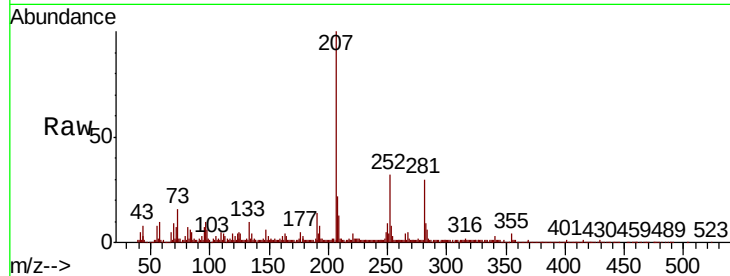
ClientSampleId :

C0AA3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.4  | 17.8  | 26.8  |
| 125     | 17.0  | 6.5   | 9.7#  |

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#91

Benzo(a)pyrene

Concen: 1.122 ng/ul

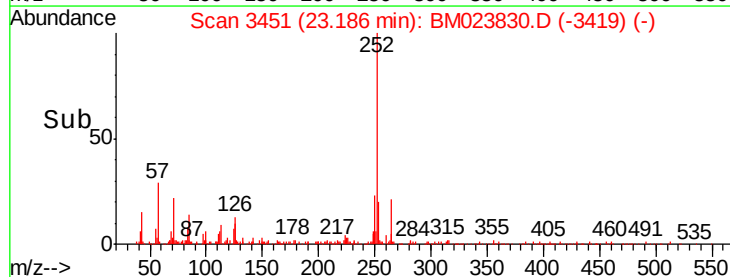
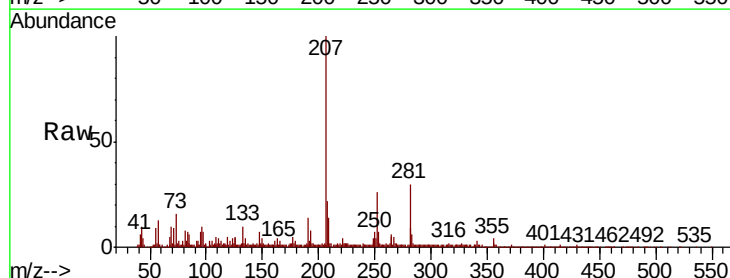
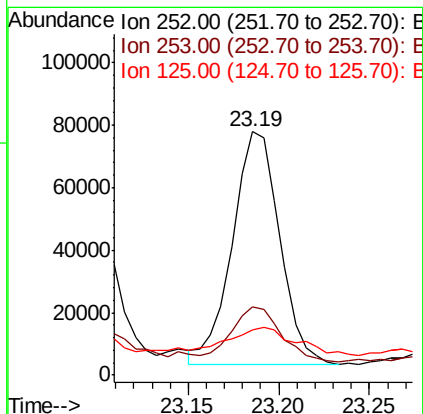
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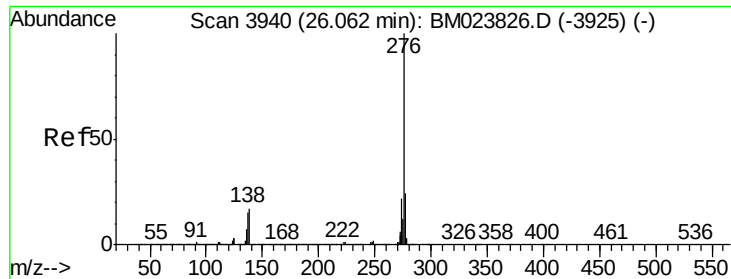
Delta R.T. -0.01 min

Lab File: BM023830.D

Acq: 21 Nov 2019 15:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.9  | 17.3  | 25.9# |
| 125     | 18.6  | 6.9   | 10.3# |





#94

Benzo(a,h,i)perylene

Concen: 1.143 ng/ul

RT: 26.07 min Scan# 3941

Delta R.T. -0.02 min

Lab File: BM023830.D

Acq: 21 Nov 2019 15:43

Instrument :

BNA\_M

ClientSampleId :

C0AA3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 119557 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.6  | 13.2  | 19.8#  |
| 277       | 27.9  | 18.6  | 28.0   |

Manual Integrations  
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