

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM040519\  
 Data File : BM019770.D  
 Acq On : 06 Apr 2019 03:47  
 Operator : JU/SJ  
 Sample : K2217-13  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 BF603

Manual Integrations  
 APPROVED

Sohil  
 4/8/2019 6:11:42 PM

Quant Time: Apr 06 04:38:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 06 00:13:11 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 165392   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.34 | 136  | 768989   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.22 | 164  | 458124   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.98 | 188  | 1033029  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.19 | 240  | 939835   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.39 | 264  | 874429   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 24690   | 5.84  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 292332  | 19.85 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 199597  | 20.24 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 241015  | 21.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.28  | 113 | 206306  | 18.66 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 121055  | 22.07 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 141344  | 23.15 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 231928  | 20.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 293637  | 21.23 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.65 | 166 | 833182  | 22.54 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.92 | 160 | 986467  | 21.34 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 87985m  | 15.18 | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.22 | 176 | 714000  | 22.42 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 95106   | 13.92 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.08 | 188 | 1050151 | 21.18 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.39 | 212 | 1067983 | 24.60 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.25 | 264 | 869308  | 18.75 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |       | Qvalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 45) Dimethylphthalate    | 13.69 | 163 | 83674  | 2.256 | ng/ul# | 99 |
| 77) Fluoranthene         | 19.06 | 202 | 105429 | 1.571 | ng/ul# | 87 |
| 80) Pyrene               | 19.42 | 202 | 105490 | 1.866 | ng/ul# | 86 |
| 83) Benzo(a)anthracene   | 21.17 | 228 | 72450  | 1.281 | ng/ul  | 98 |
| 85) Chrysene             | 21.23 | 228 | 66803  | 1.231 | ng/ul  | 97 |
| 88) Benzo(b)fluoranthene | 22.73 | 252 | 92044  | 1.728 | ng/ul# | 91 |
| 91) Benzo(a)pyrene       | 23.29 | 252 | 58805  | 1.155 | ng/ul# | 91 |

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

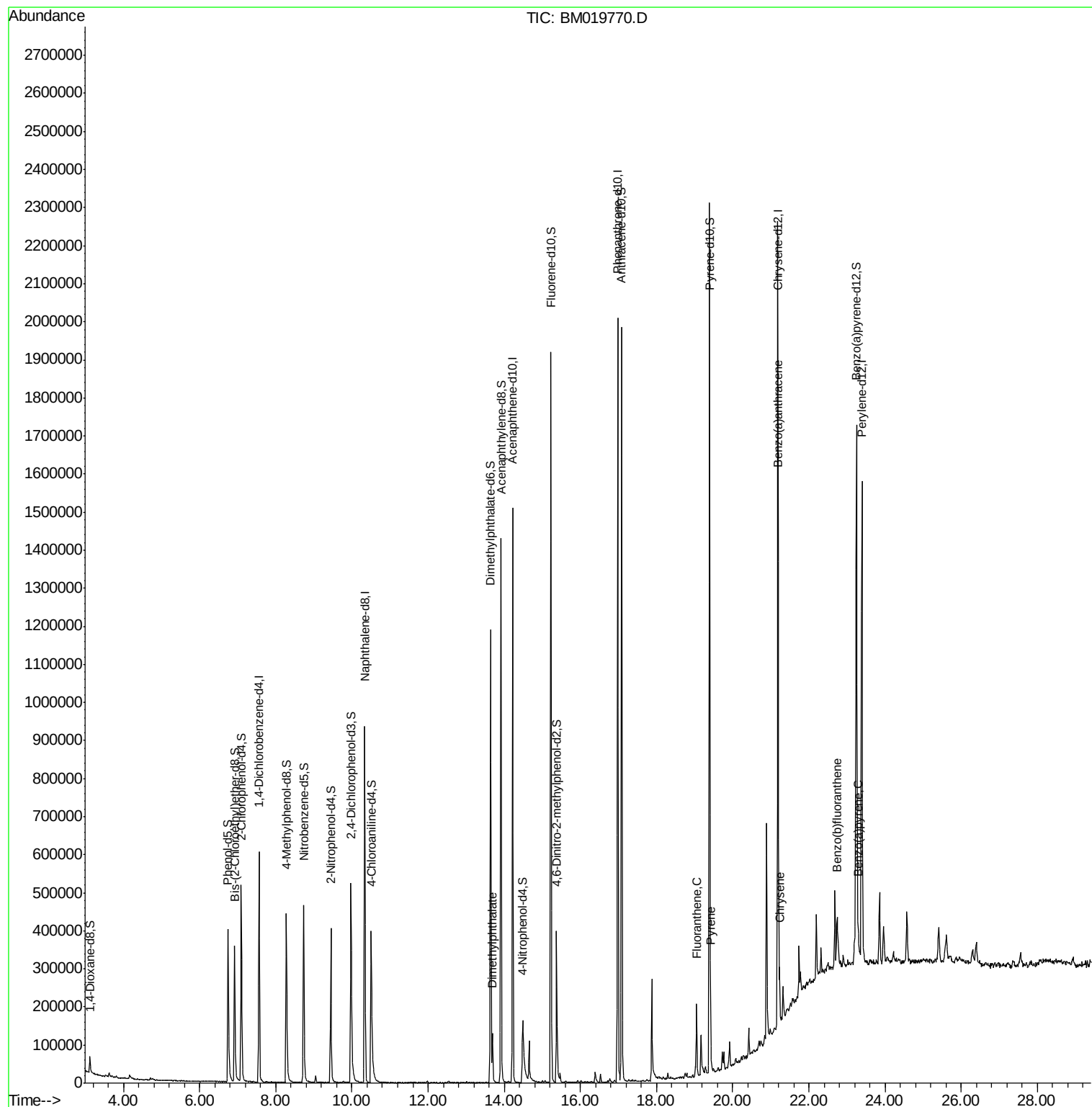
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM040519\  
Data File : BM019770.D  
Acq On : 06 Apr 2019 03:47  
Operator : JU/SJ  
Sample : K2217-13  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

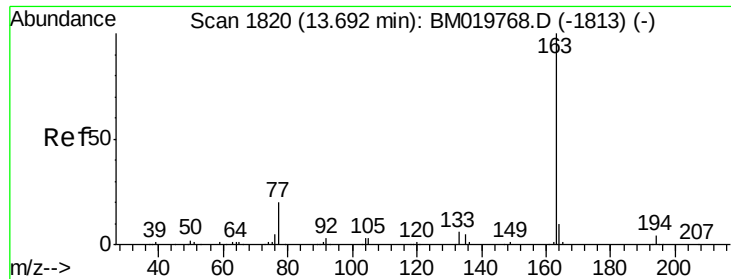
Instrument :  
BNA\_M  
ClientSampled :  
BF603

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Quant Time: Apr 06 04:38:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Apr 06 00:13:11 2019  
Response via : Initial Calibration





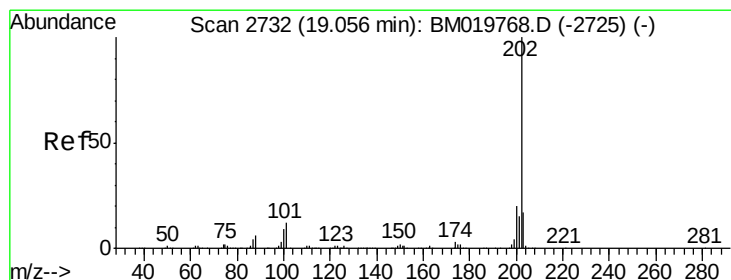
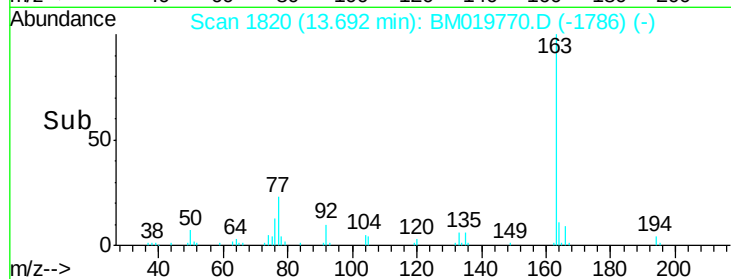
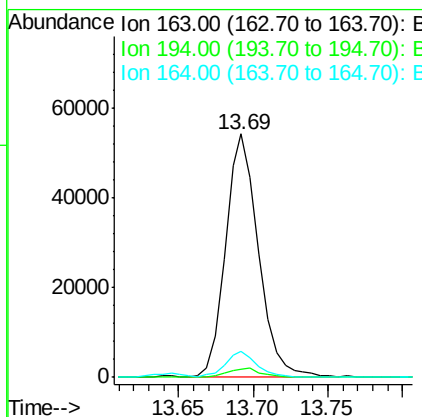
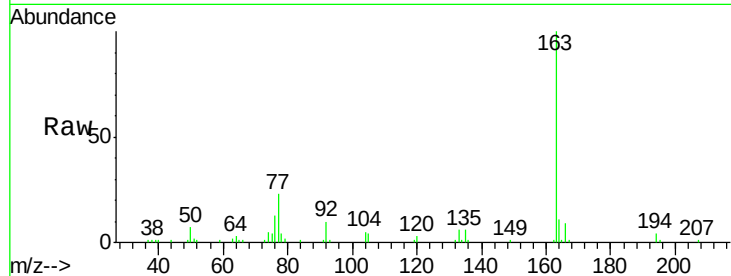
#45  
Dimethylphthalate  
Concen: 2.256 ng/ul  
RT: 13.69 min Scan# 1820  
Delta R.T. -0.00 min  
Lab File: BM019770.D  
Acq: 06 Apr 2019 03:47

Instrument :  
BNA\_M  
ClientSampleId :  
BF603

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 4.0   | 6.0#  |
| 164     | 10.5  | 8.4   | 12.6  |

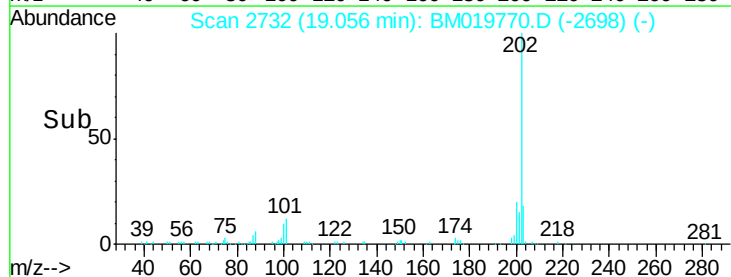
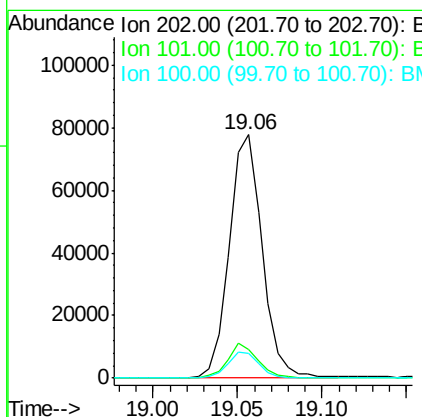
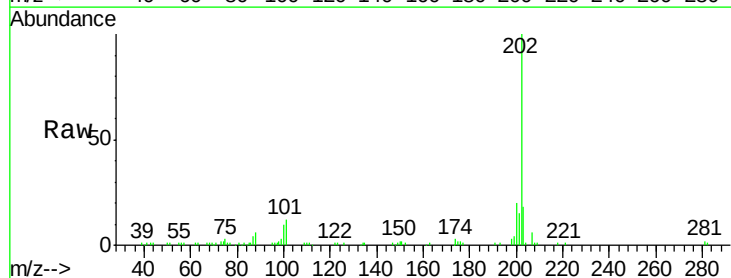
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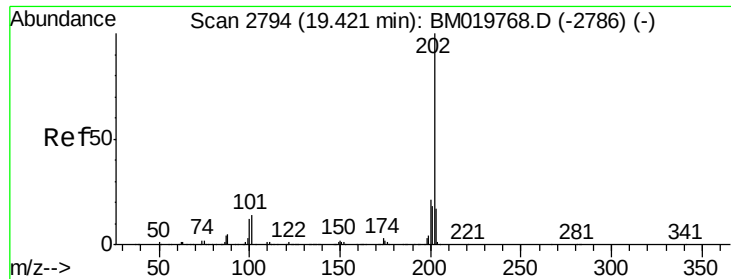
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#77  
Fluoranthene  
Concen: 1.571 ng/ul  
RT: 19.06 min Scan# 2732  
Delta R.T. -0.00 min  
Lab File: BM019770.D  
Acq: 06 Apr 2019 03:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.9  | 6.1   | 9.1#  |
| 100     | 10.1  | 4.6   | 7.0#  |





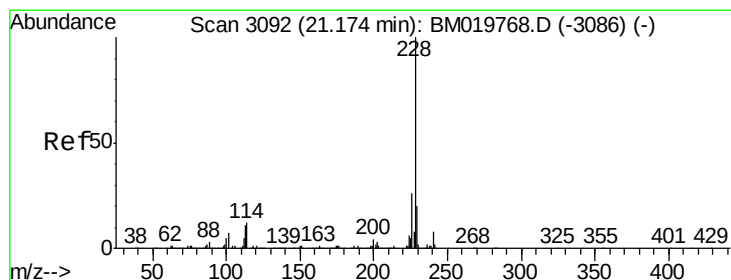
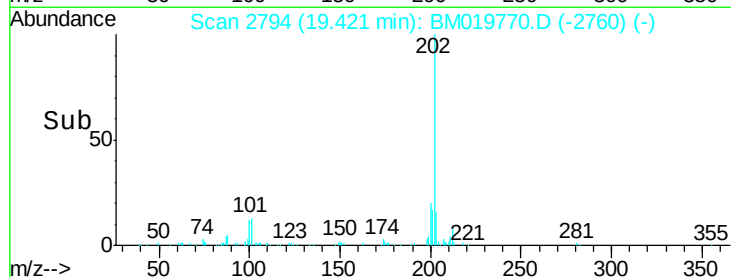
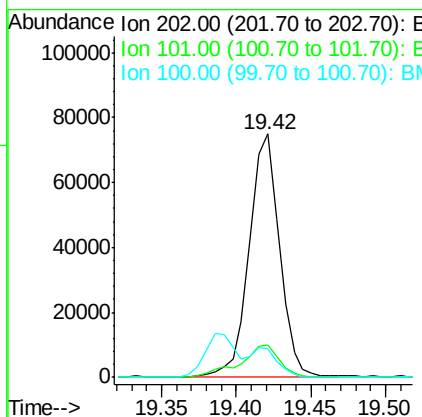
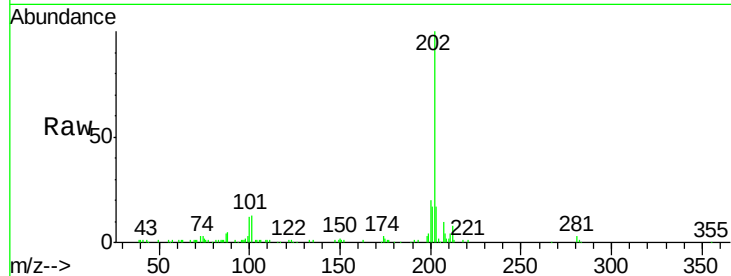
#80  
 Pyrene  
 Concen: 1.866 ng/ul  
 RT: 19.42 min Scan# 2794  
 Delta R.T. -0.00 min  
 Lab File: BM019770.D  
 Acq: 06 Apr 2019 03:47

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF603

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 13.3  | 6.9        | 10.3#      |
| 100     | 12.0  | 5.6        | 8.4#       |

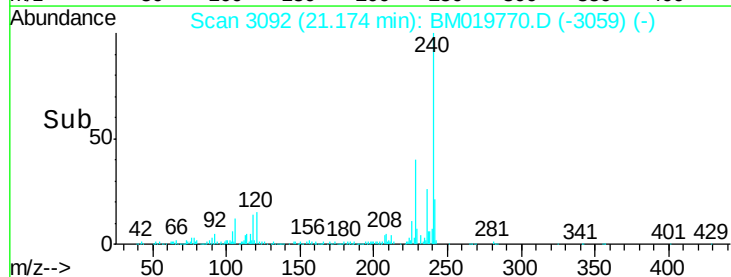
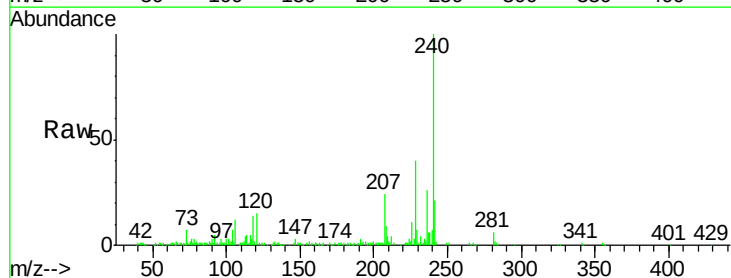
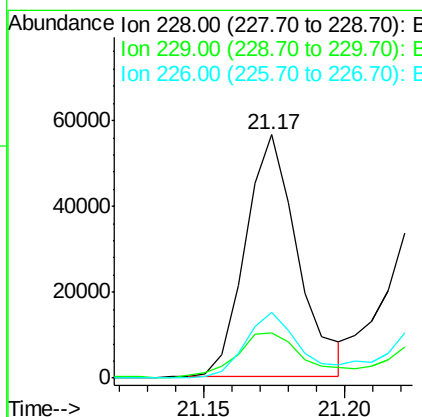
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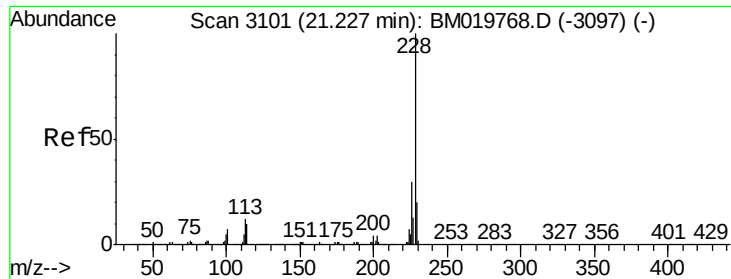
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#83  
 Benzo(a)anthracene  
 Concen: 1.281 ng/ul  
 RT: 21.17 min Scan# 3092  
 Delta R.T. -0.01 min  
 Lab File: BM019770.D  
 Acq: 06 Apr 2019 03:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 18.7  | 16.0       | 24.0       |
| 226     | 26.8  | 21.8       | 32.8       |





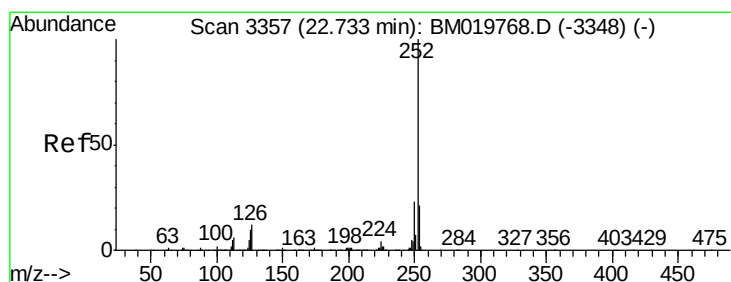
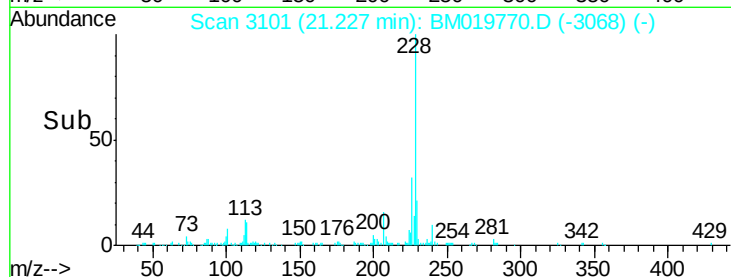
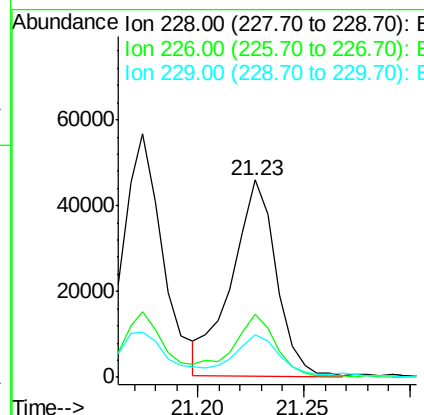
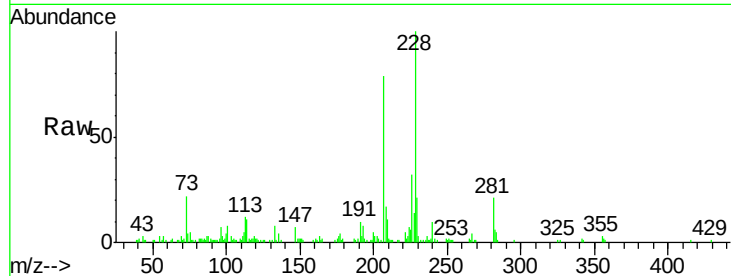
#85  
Chrysene  
Concen: 1.231 ng/ul  
RT: 21.23 min Scan# 3101  
Delta R.T. -0.01 min  
Lab File: BM019770.D  
Acq: 06 Apr 2019 03:47

Instrument :  
BNA\_M  
ClientSampled :  
BF603

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.7  | 24.1  | 36.1  |
| 229     | 21.5  | 16.0  | 24.0  |

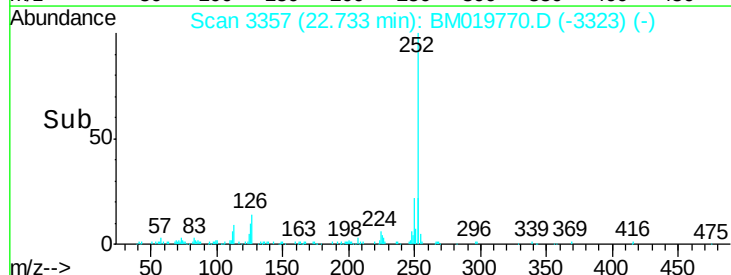
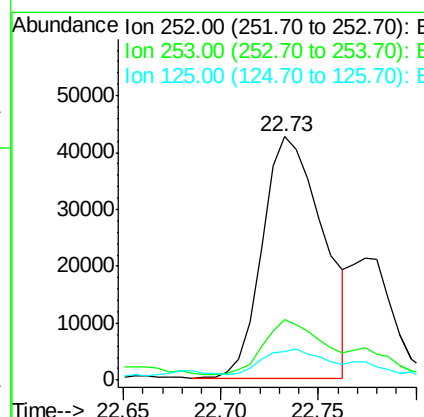
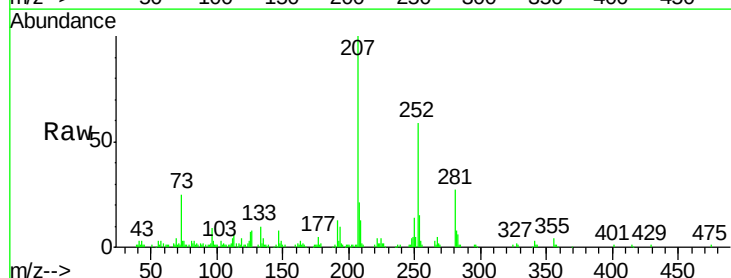
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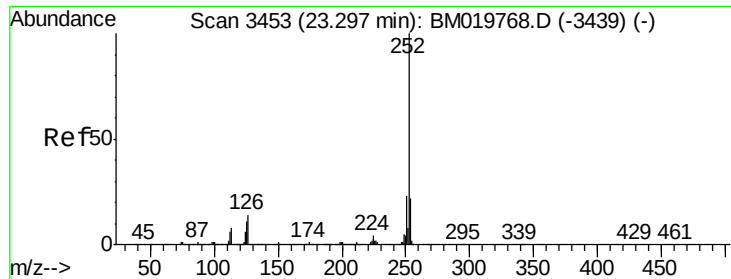
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#88  
Benzo(b)fluoranthene  
Concen: 1.728 ng/ul  
RT: 22.73 min Scan# 3357  
Delta R.T. -0.00 min  
Lab File: BM019770.D  
Acq: 06 Apr 2019 03:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 17.4  | 26.0  |
| 125     | 12.0  | 4.9   | 7.3#  |





#91

Benzo(a)pyrene

Concen: 1.155 ng/ul

RT: 23.29 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM019770.D

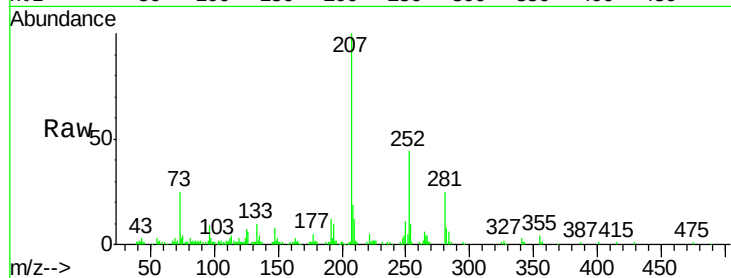
Acq: 06 Apr 2019 03:47

Instrument :

BNA\_M

ClientSampleId :

BF603



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 58805 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.3  | 17.2  | 25.8  |
| 125       | 16.3  | 5.8   | 8.6#  |

Manual Integrations  
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