

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\  
 Data File : BG046399.D  
 Acq On : 21 Aug 2020 5:20  
 Operator : CG/JU  
 Sample : L3635-15  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMJ1

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Quant Time: Aug 21 06:28:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 21 04:43:40 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.94  | 152  | 89860    | 20.00  | ng/ul | 0.00     |
| 2) Naphthalene-d8           | 10.74 | 136  | 371407   | 20.00  | ng/ul | 0.00     |
| 6) Acenaphthene-d10         | 14.57 | 164  | 249614   | 20.00  | ng/ul | 0.00     |
| 12) Phenanthrene-d10        | 17.31 | 188  | 552960   | 20.00  | ng/ul | 0.00     |
| 18) Chrysene-d12            | 21.56 | 240  | 541669   | 20.00  | ng/ul | 0.00     |
| 23) Perylene-d12            | 24.67 | 264  | 594082   | 20.00  | ng/ul | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 3) 2,4-Dichlorophenol-d3    | 10.36 | 165  | 131563   | 20.57  | ng/ul | 0.00     |
| 7) Acenaphthylene-d8        | 14.26 | 160  | 515494   | 22.44  | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.56 | 176  | 403982   | 22.95  | ng/ul | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 564567   | 22.02  | ng/ul | 0.00     |
| 19) Pyrene-d10              | 19.69 | 212  | 664695   | 23.84  | ng/ul | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.46 | 264  | 713201   | 22.00  | ng/ul | 0.00     |
| Target Compounds            |       |      |          | Qvalue |       |          |
| 14) Phenanthrene            | 17.36 | 178  | 298223   | 9.803  | ng/ul | 100      |
| 17) Fluoranthene            | 19.36 | 202  | 505232   | 14.895 | ng/ul | 98       |
| 20) Pyrene                  | 19.72 | 202  | 484233   | 13.619 | ng/ul | 98       |
| 21) Benzo(a)anthracene      | 21.54 | 228  | 214099   | 6.075  | ng/ul | 98       |
| 22) Chrysene                | 21.60 | 228  | 256067   | 7.516  | ng/ul | 98       |
| 24) Benzo(b)fluoranthene    | 23.69 | 252  | 339691   | 8.647  | ng/ul | 99       |
| 25) Benzo(k)fluoranthene    | 23.74 | 252  | 115200m  | 2.956  | ng/ul |          |
| 27) Benzo(a)pyrene          | 24.52 | 252  | 214093   | 5.936  | ng/ul | 98       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.18 | 276  | 157904   | 3.497  | ng/ul | 97       |
| 29) Dibenzo(a,h)anthracene  | 28.24 | 278  | 37339    | 1.020  | ng/ul | 94       |
| 30) Benzo(g,h,i)perylene    | 29.28 | 276  | 134417   | 3.557  | ng/ul | 97       |

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

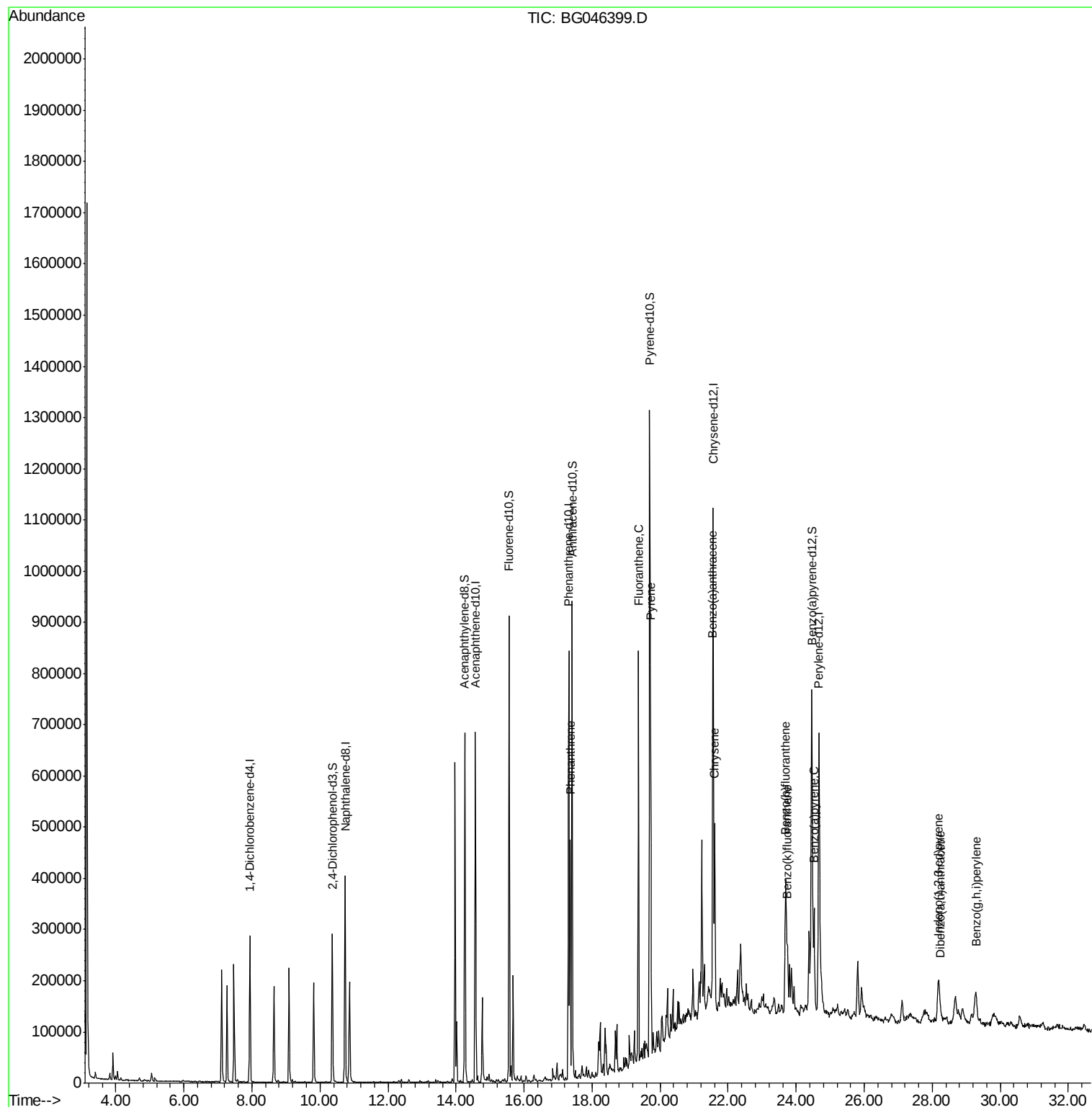
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\  
Data File : BG046399.D  
Acq On : 21 Aug 2020 5:20  
Operator : CG/JU  
Sample : L3635-15  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

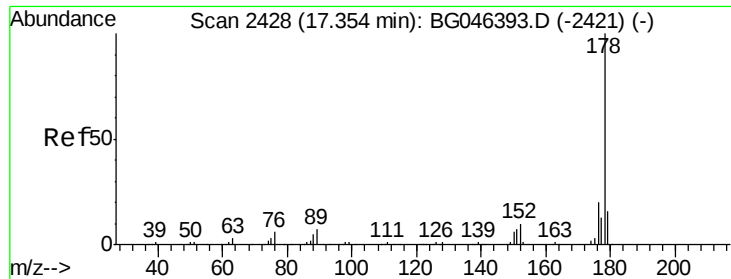
Instrument :  
BNA\_G  
ClientSampleId :  
BFMJ1

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Quant Time: Aug 21 06:28:26 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 21 04:43:40 2020  
Response via : Initial Calibration





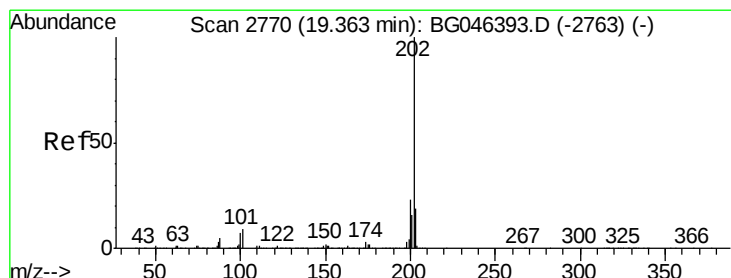
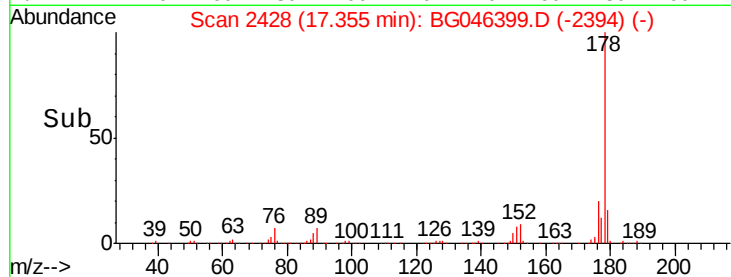
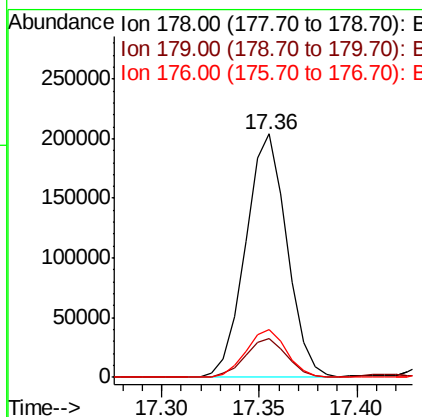
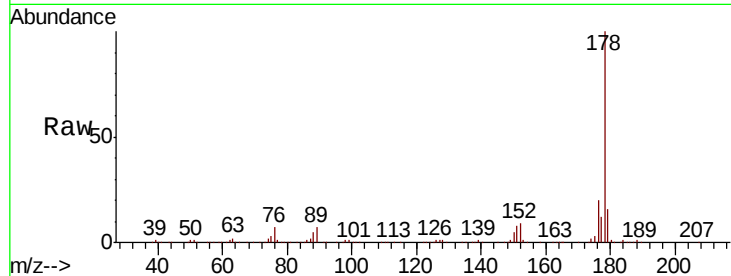
#14  
Phenanthrene  
Concen: 9.803 ng/ul  
RT: 17.36 min Scan# 2428  
Delta R.T. 0.00 min  
Lab File: BG046399.D  
Acq: 21 Aug 2020 5:20

Instrument :  
BNA\_G  
ClientSampled :  
BFMJ1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.0  | 12.8  | 19.2  |
| 176     | 19.9  | 15.8  | 23.8  |

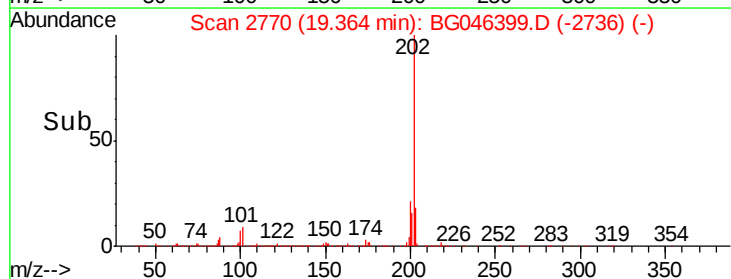
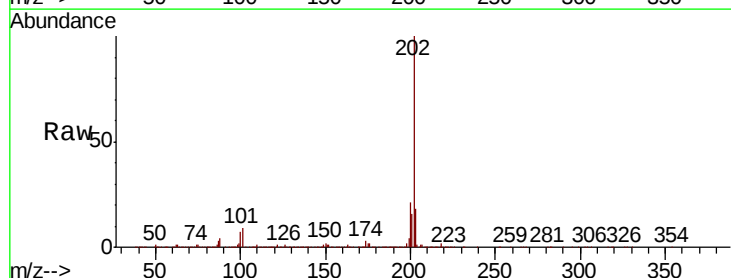
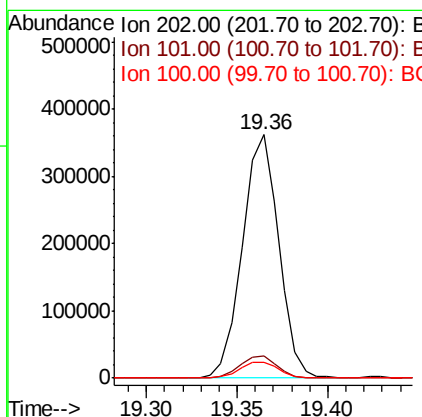
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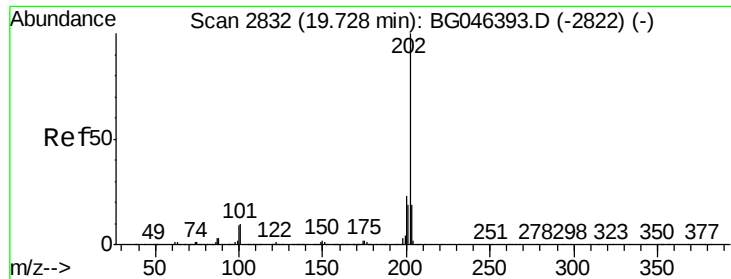
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#17  
Fluoranthene  
Concen: 14.895 ng/ul  
RT: 19.36 min Scan# 2770  
Delta R.T. 0.00 min  
Lab File: BG046399.D  
Acq: 21 Aug 2020 5:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.2   | 7.8   | 11.6  |
| 100     | 6.7   | 5.9   | 8.9   |





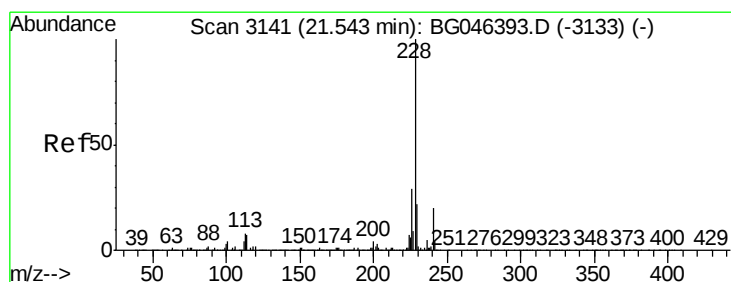
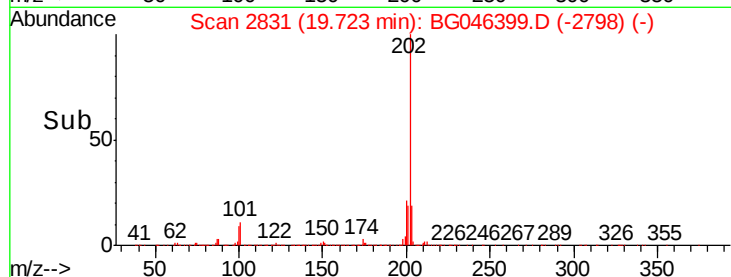
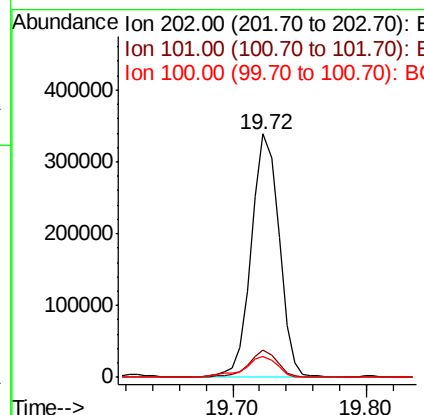
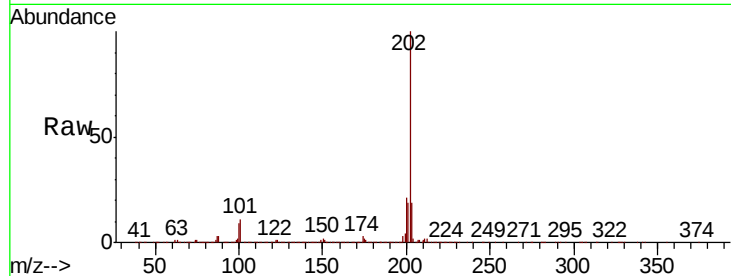
#20  
Pvrene  
Concen: 13.619 ng/ul  
RT: 19.72 min Scan# 2831  
Delta R.T. -0.00 min  
Lab File: BG046399.D  
Acq: 21 Aug 2020 5:20

Instrument :  
BNA\_G  
ClientSampleId :  
BFMJ1

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.1  | 8.9        | 13.3  |
| 100     | 8.5   | 7.9        | 11.9  |

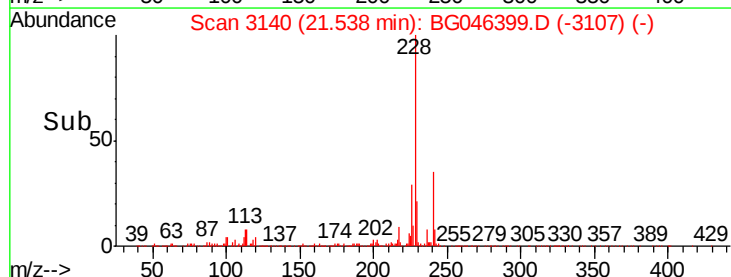
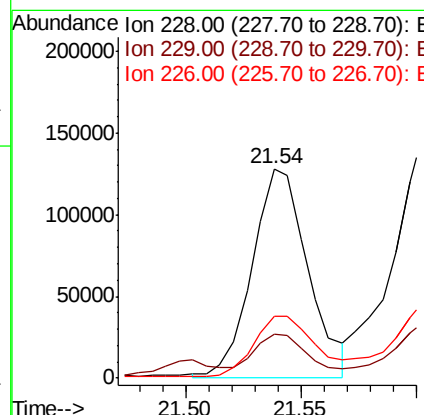
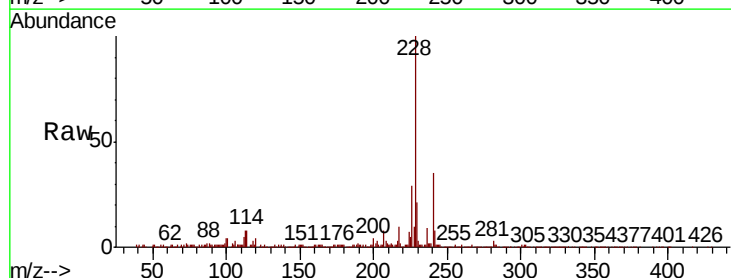
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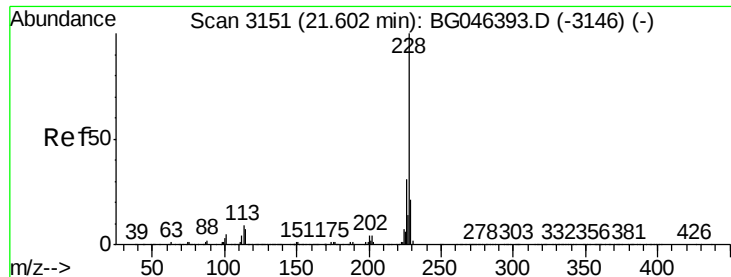
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#21  
Benzo(a)anthracene  
Concen: 6.075 ng/ul  
RT: 21.54 min Scan# 3140  
Delta R.T. -0.00 min  
Lab File: BG046399.D  
Acq: 21 Aug 2020 5:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 21.3  | 16.6       | 25.0  |
| 226     | 29.5  | 22.6       | 33.8  |





#22

Chrysene

Concen: 7.516 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046399.D

Acq: 21 Aug 2020 5:20

Instrument :

BNA\_G

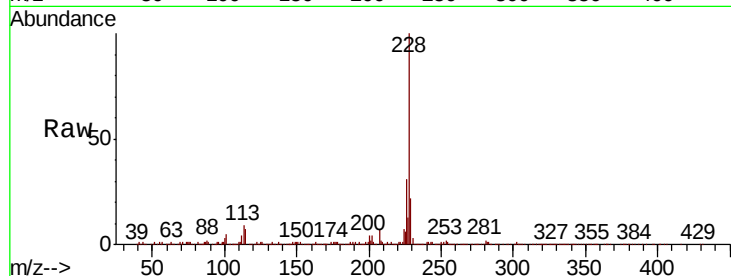
ClientSampleId :

BFMJ1

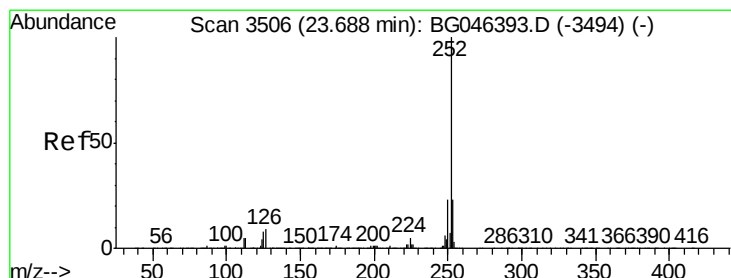
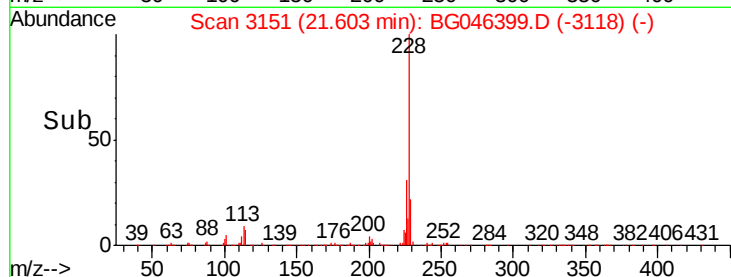
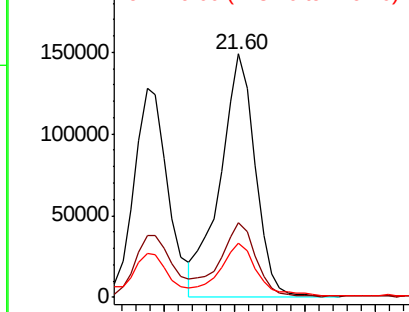
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 256067 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 30.9 | 25.5  | 38.3   |
| 229       | 22.1 | 17.0  | 25.4   |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#24

Benzo(b)fluoranthene

Concen: 8.647 ng/ul

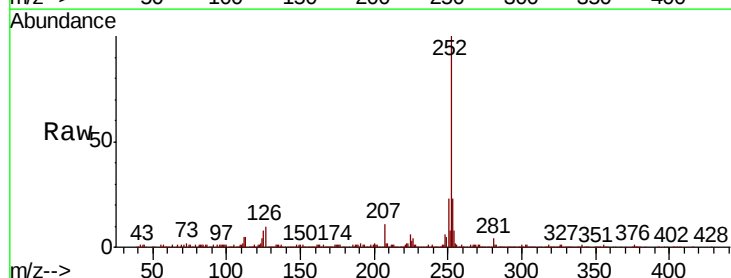
RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

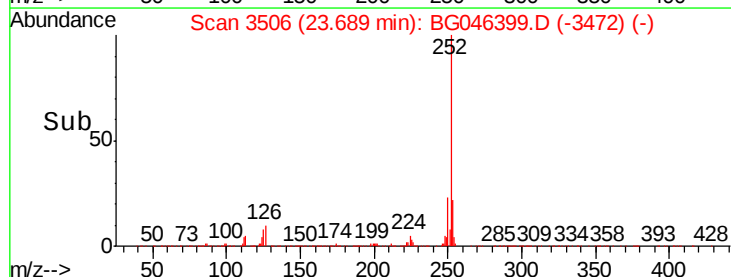
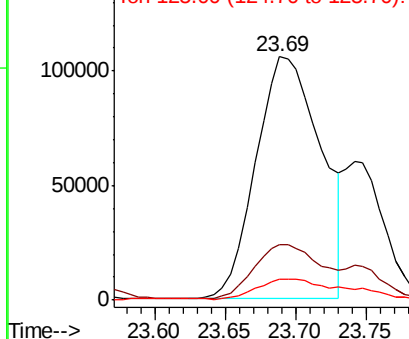
Lab File: BG046399.D

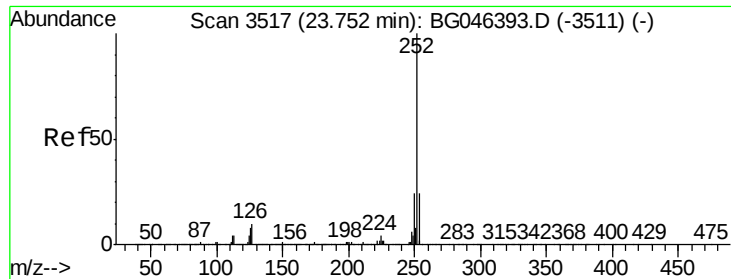
Acq: 21 Aug 2020 5:20

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 339691 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.6 | 17.8  | 26.6   |
| 125       | 8.4  | 6.4   | 9.6    |



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





#25

Benzo(k)fluoranthene

Concen: 2.956 ng/ul

RT: 23.74 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BG046399.D

Acq: 21 Aug 2020 5:20

Instrument :

BNA\_G

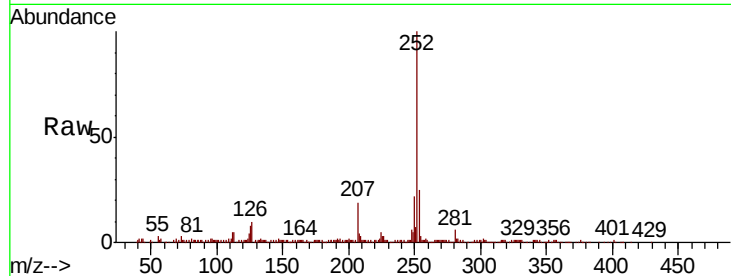
ClientSampled :

BFMJ1

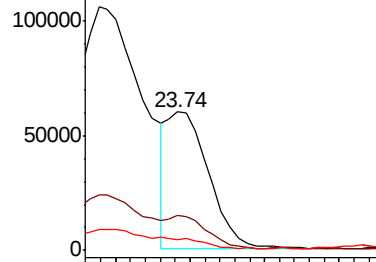
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 115200 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 25.1  | 18.5  | 27.7   |
| 125       | 7.6   | 6.2   | 9.2    |

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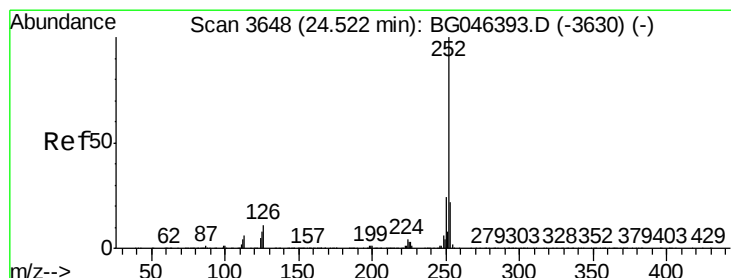
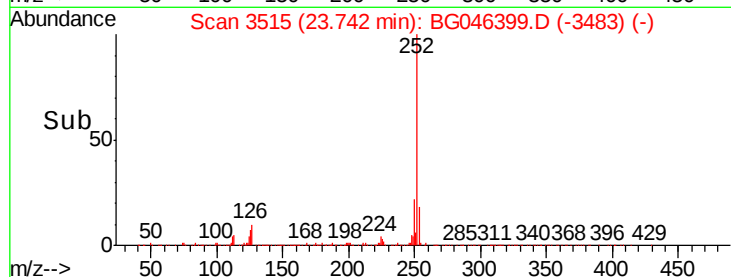
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



Time-->



#27

Benzo(a)pyrene

Concen: 5.936 ng/ul

RT: 24.52 min Scan# 3648

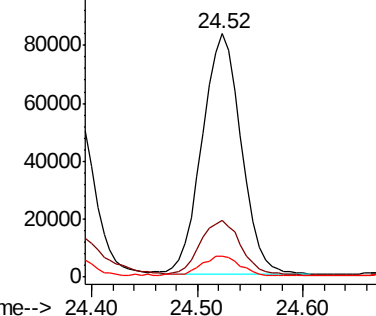
Delta R.T. -0.00 min

Lab File: BG046399.D

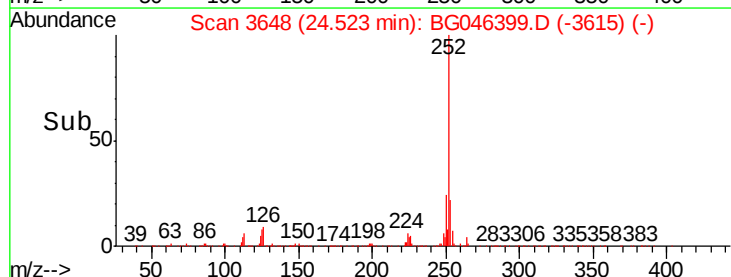
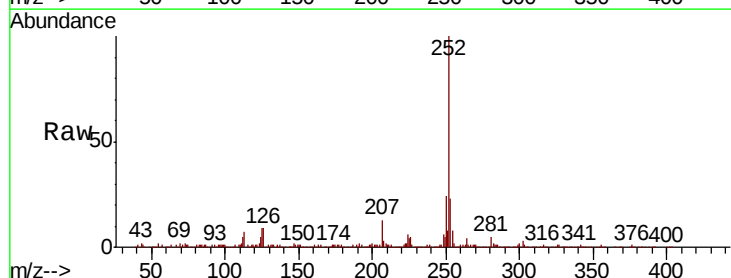
Acq: 21 Aug 2020 5:20

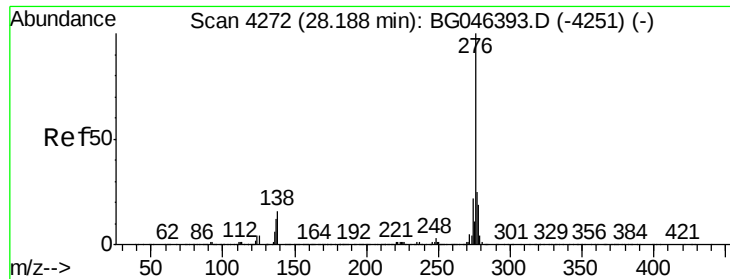
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 214093 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.1  | 17.8  | 26.8   |
| 125       | 8.5   | 7.1   | 10.7   |

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



Time-->





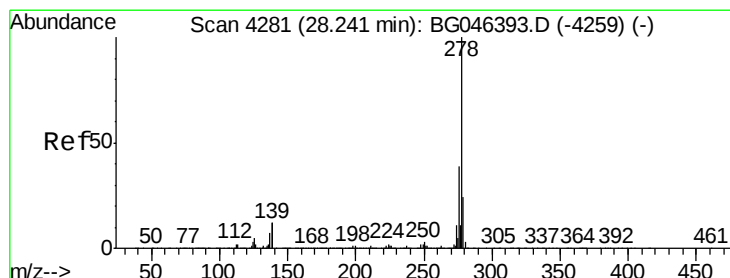
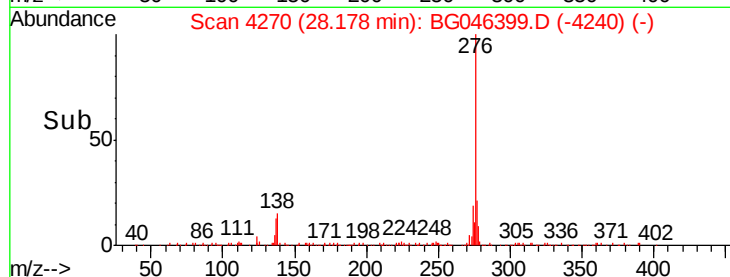
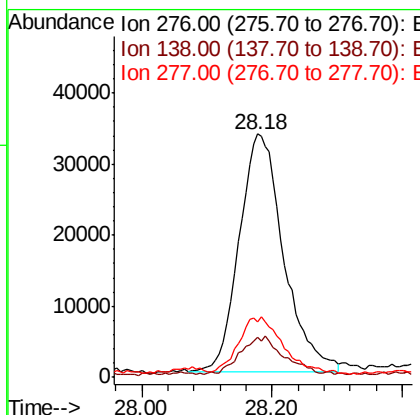
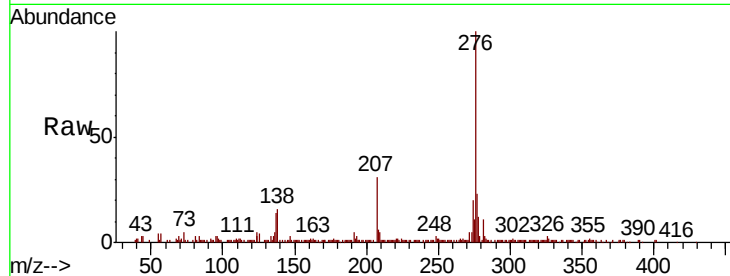
#28  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.497 ng/ul  
 RT: 28.18 min Scan# 4270  
 Delta R.T. -0.02 min  
 Lab File: BG046399.D  
 Acq: 21 Aug 2020 5:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMJ1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.2  | 13.2  | 19.8  |
| 277     | 22.6  | 19.9  | 29.9  |

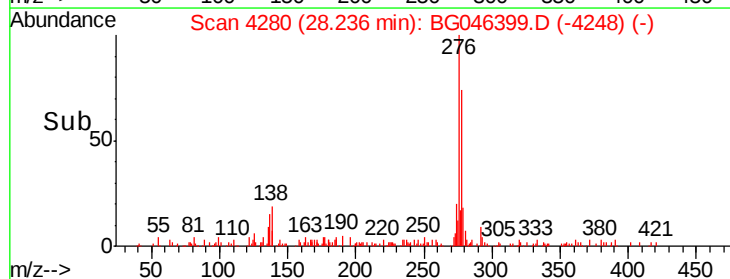
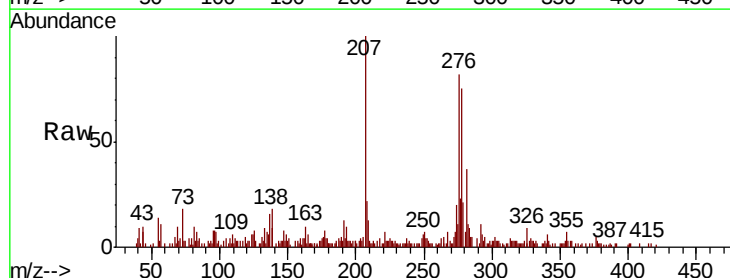
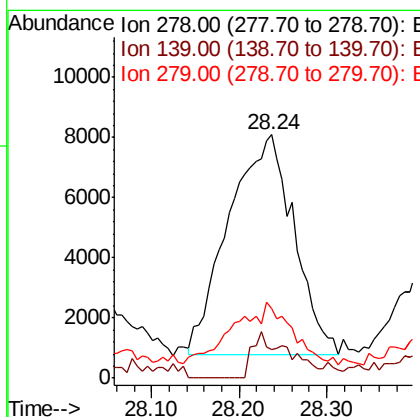
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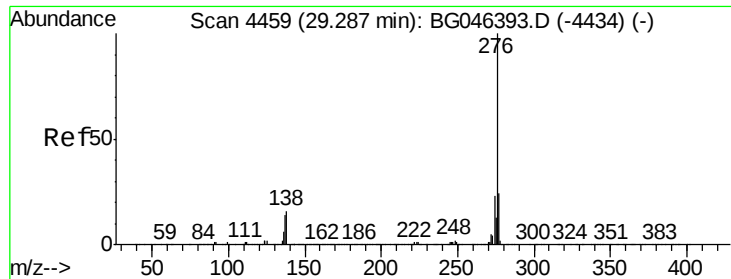
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#29  
 Dibenzo(a,h)anthracene  
 Concen: 1.020 ng/ul  
 RT: 28.24 min Scan# 4280  
 Delta R.T. -0.01 min  
 Lab File: BG046399.D  
 Acq: 21 Aug 2020 5:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.5  | 9.8   | 14.8  |
| 279     | 28.4  | 19.7  | 29.5  |





#30

Benzo(a,h,i)perylene

Concen: 3.557 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BG046399.D

Acq: 21 Aug 2020 5:20

Instrument :

BNA\_G

ClientSampleId :

BFMJ1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 134417 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 17.7  | 12.9  | 19.3   |
| 277       | 22.7  | 19.4  | 29.0   |

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