

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\  
 Data File : BG046398.D  
 Acq On : 21 Aug 2020 4:40  
 Operator : CG/JU  
 Sample : L3635-10  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMH6

Manual Integrations  
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Quant Time: Aug 21 06:25:40 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  | 88208    | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.73 | 136  | 371294   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.56 | 164  | 244427   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.31 | 188  | 531436   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.56 | 240  | 523981   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.67 | 264  | 578376   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.36 | 165  | 133706   | 20.91  | ng/ul  | 0.00     |
| 7) Acenaphthylene-d8        | 14.26 | 160  | 503317   | 22.38  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.56 | 176  | 385519   | 22.37  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 551635   | 22.39  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.69 | 212  | 632849   | 23.46  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.46 | 264  | 680687   | 21.57  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 8) Acenaphthylene           | 14.29 | 152  | 23490    | 1.027  | ng/ul  | 94       |
| 14) Phenanthrene            | 17.36 | 178  | 227807   | 7.792  | ng/ul  | 99       |
| 16) Anthracene              | 17.44 | 178  | 44044    | 1.493  | ng/ul  | 97       |
| 17) Fluoranthene            | 19.37 | 202  | 562112   | 17.243 | ng/ul  | 97       |
| 20) Pyrene                  | 19.72 | 202  | 610351   | 17.746 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.54 | 228  | 361007   | 10.589 | ng/ul  | 98       |
| 22) Chrysene                | 21.60 | 228  | 347989   | 10.559 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.69 | 252  | 411791   | 10.767 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.75 | 252  | 142786m  | 3.763  | ng/ul  |          |
| 27) Benzo(a)pyrene          | 24.52 | 252  | 272354   | 7.756  | ng/ul  | 97       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.18 | 276  | 172311   | 3.919  | ng/ul  | 97       |
| 29) Dibenzo(a,h)anthracene  | 28.23 | 278  | 46020    | 1.291  | ng/ul# | 92       |
| 30) Benzo(a,h,i)perylene    | 29.27 | 276  | 136686   | 3.715  | ng/ul  | 98       |

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

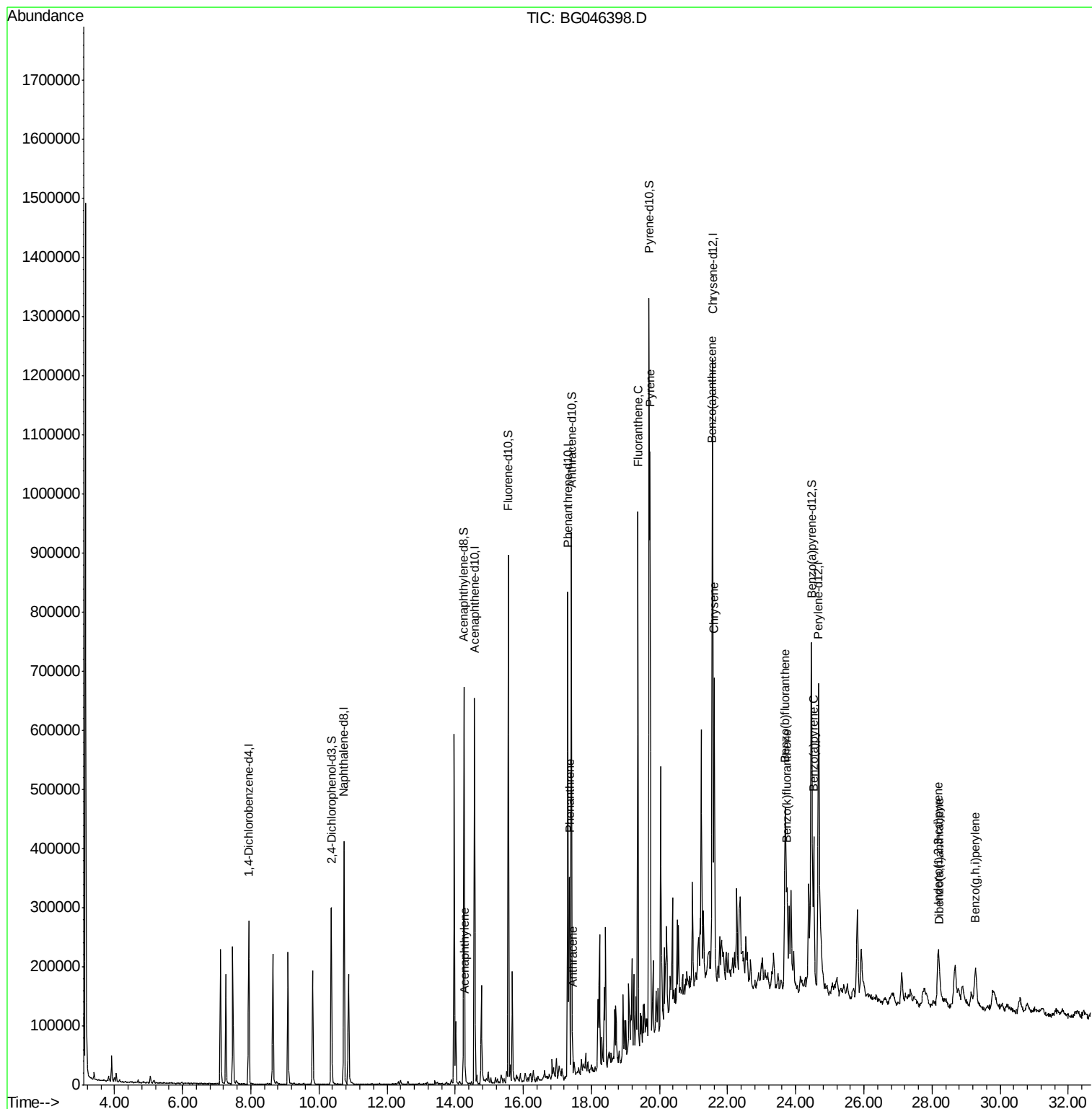
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\  
Data File : BG046398.D  
Acq On : 21 Aug 2020 4:40  
Operator : CG/JU  
Sample : L3635-10  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

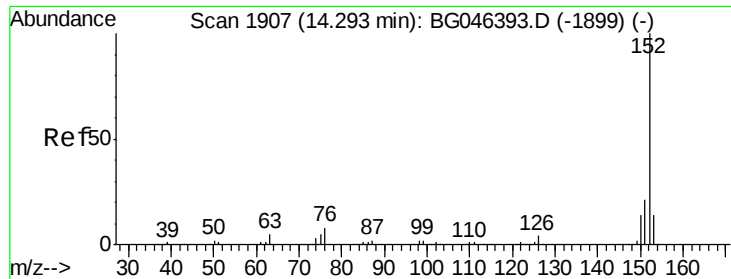
Instrument :  
BNA\_G  
ClientSampleId :  
BFMH6

Quant Time: Aug 21 06:25:40 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

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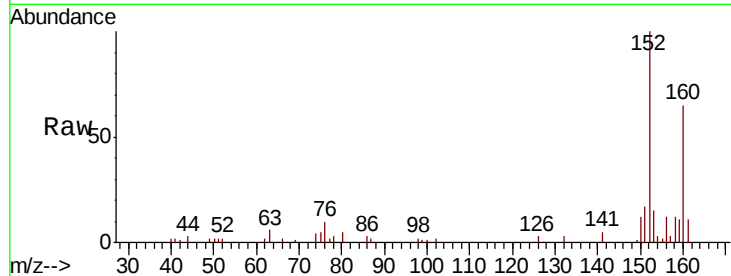
#8  
Acenaphthylene  
Concen: 1.027 ng/ul  
RT: 14.29 min Scan# 1906  
Delta R.T. -0.00 min  
Lab File: BG046398.D  
Acq: 21 Aug 2020 4:40

Instrument :  
BNA\_G  
ClientSampleId :  
BFMH6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 17.3  | 16.5  | 24.7  |
| 153     | 15.5  | 11.0  | 16.6  |

Manual Integrations  
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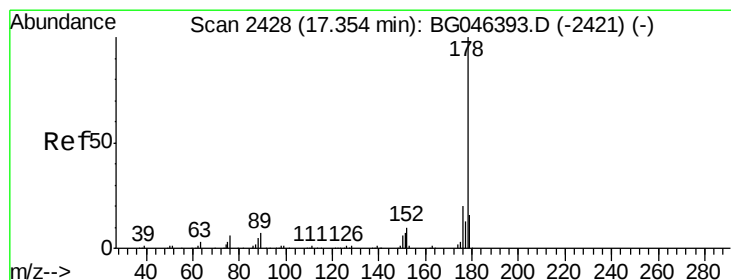
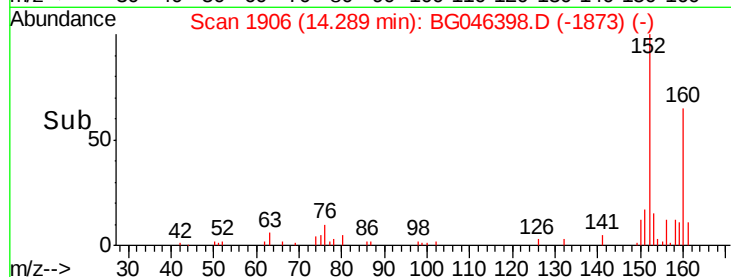
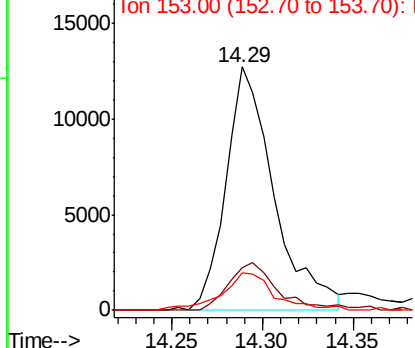


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#14  
Phenanthrene  
Concen: 7.792 ng/ul  
RT: 17.36 min Scan# 2428  
Delta R.T. 0.00 min  
Lab File: BG046398.D  
Acq: 21 Aug 2020 4:40

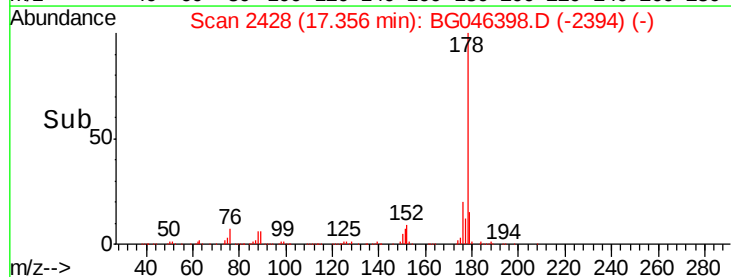
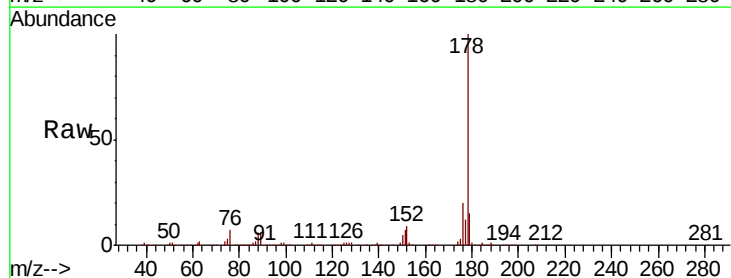
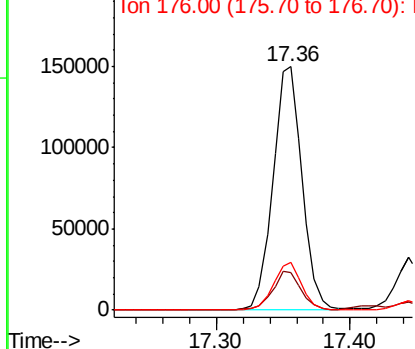
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 12.8  | 19.2  |
| 176     | 19.6  | 15.8  | 23.8  |

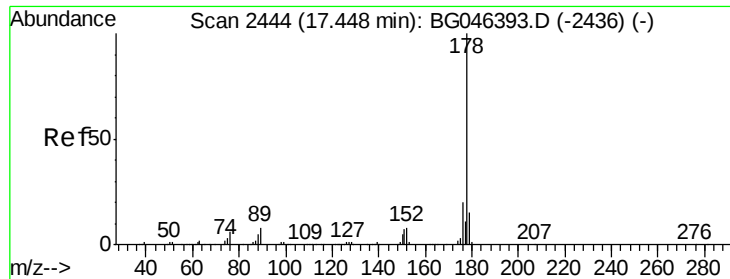
Abundance

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





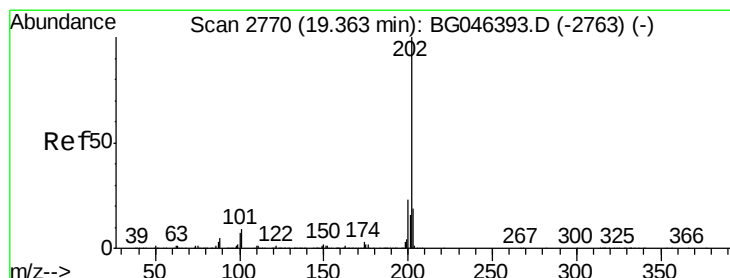
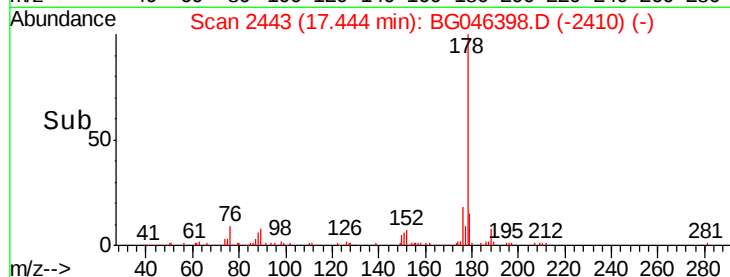
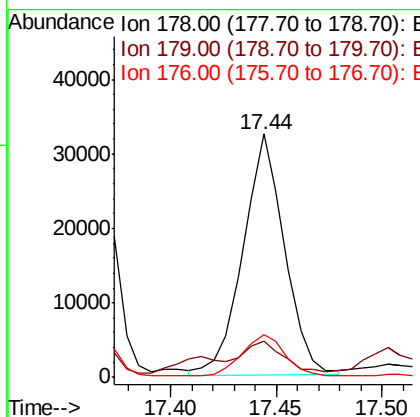
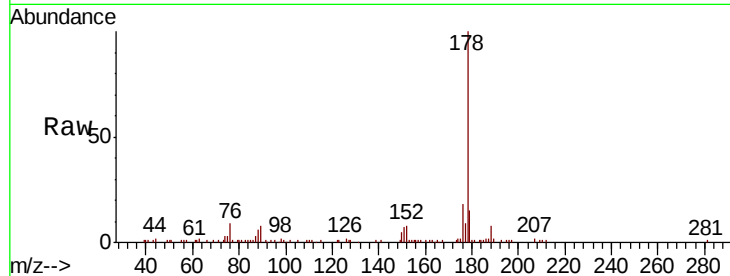
#16  
 Anthracene  
 Concen: 1.493 ng/ul  
 RT: 17.44 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG046398.D  
 Acq: 21 Aug 2020 4:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMH6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.0  | 13.2  | 19.8  |
| 176     | 17.7  | 15.2  | 22.8  |

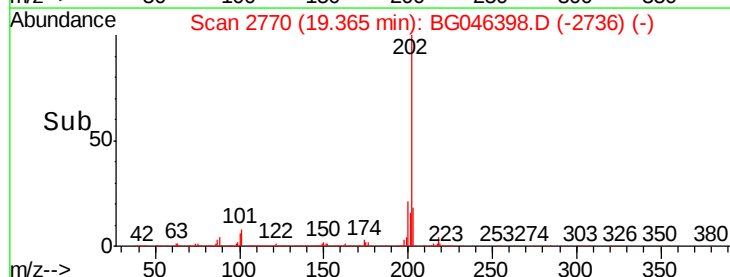
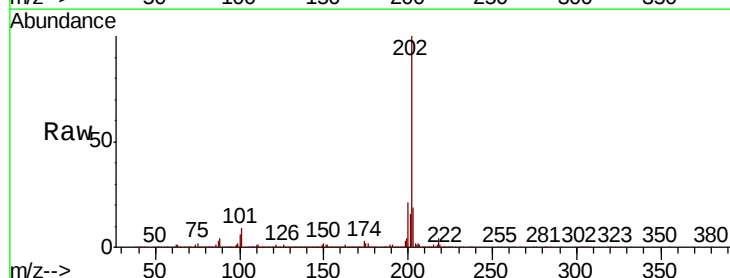
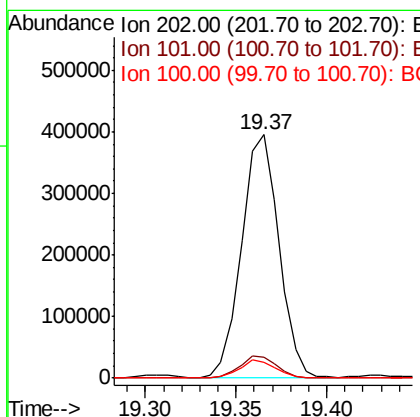
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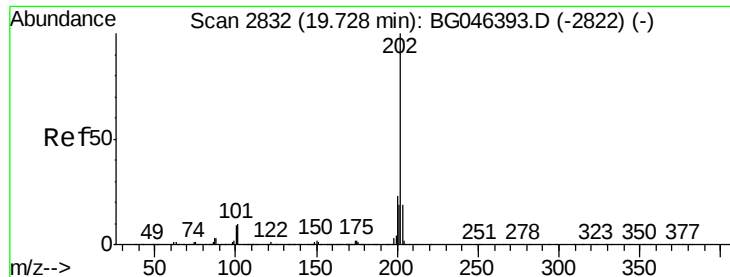
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#17  
 Fluoranthene  
 Concen: 17.243 ng/ul  
 RT: 19.37 min Scan# 2770  
 Delta R.T. 0.00 min  
 Lab File: BG046398.D  
 Acq: 21 Aug 2020 4:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.6   | 7.8   | 11.6  |
| 100     | 6.4   | 5.9   | 8.9   |





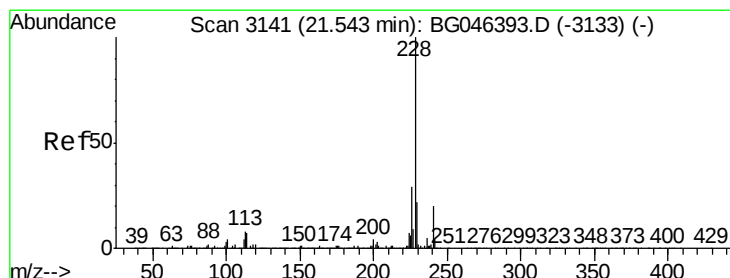
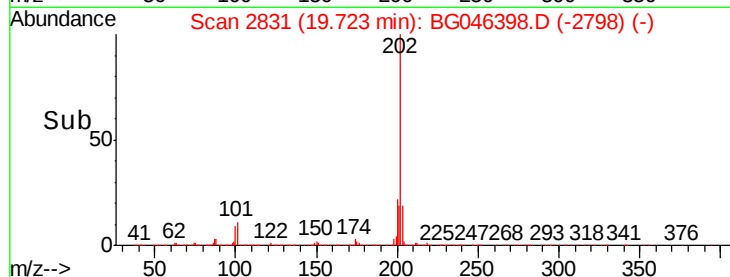
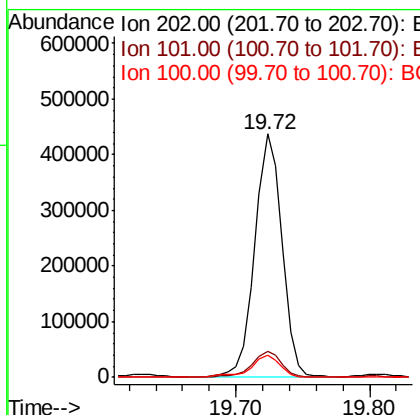
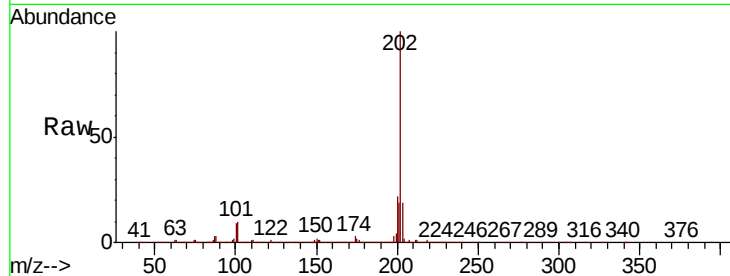
#20  
Pvrene  
Concen: 17.746 ng/ul  
RT: 19.72 min Scan# 2831  
Delta R.T. -0.00 min  
Lab File: BG046398.D  
Acq: 21 Aug 2020 4:40

Instrument :  
BNA\_G  
ClientSampleId :  
BFMH6

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 610351 |       |       |
| 101     | 10.5  | 8.9    | 13.3  |       |
| 100     | 9.2   | 7.9    | 11.9  |       |

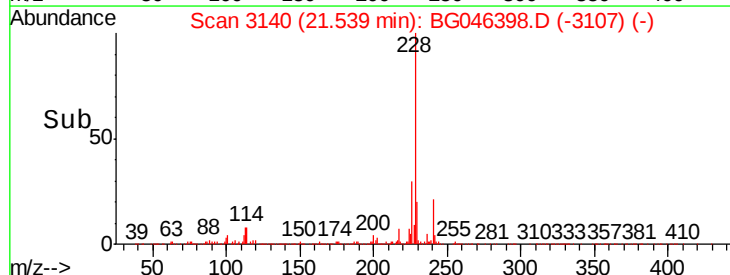
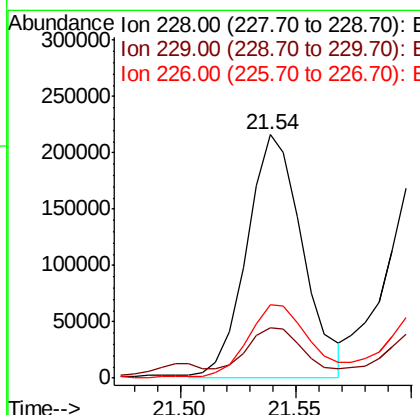
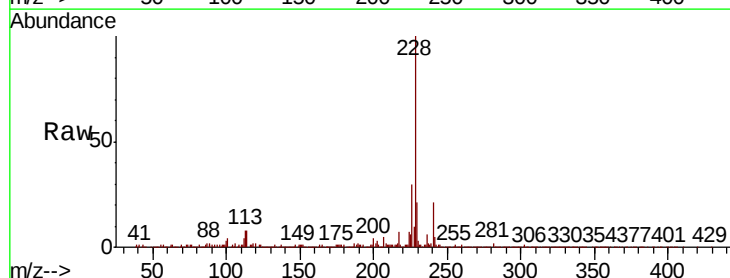
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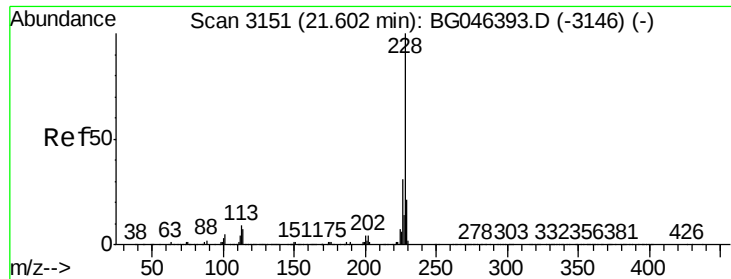
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#21  
Benzo(a)anthracene  
Concen: 10.589 ng/ul  
RT: 21.54 min Scan# 3140  
Delta R.T. -0.00 min  
Lab File: BG046398.D  
Acq: 21 Aug 2020 4:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 361007 |       |       |
| 229     | 20.6  | 16.6   | 25.0  |       |
| 226     | 30.3  | 22.6   | 33.8  |       |





#22

Chrysene

Concen: 10.559 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

Instrument :

BNA\_G

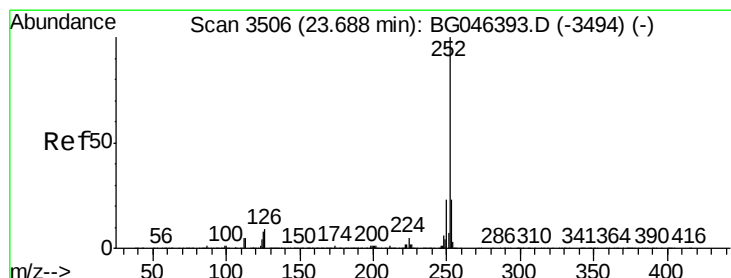
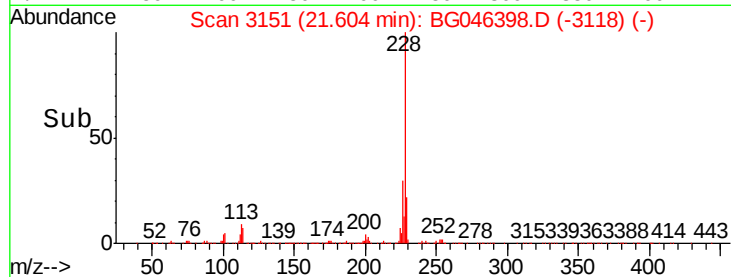
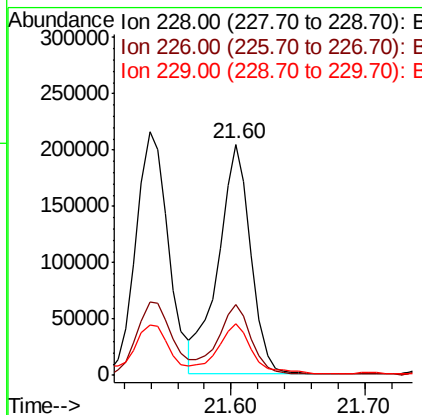
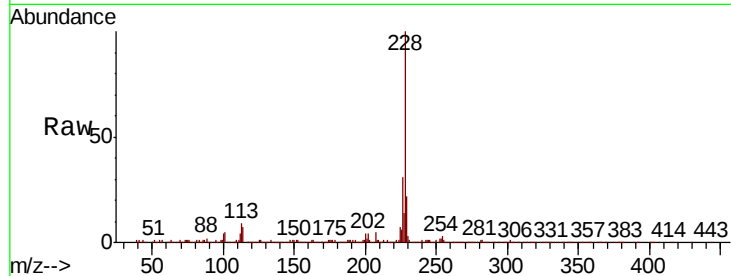
ClientSampleId :

BFMH6

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 347989 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 30.6 | 25.5  | 38.3   |
| 229       | 22.5 | 17.0  | 25.4   |

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#24

Benzo(b)fluoranthene

Concen: 10.767 ng/ul

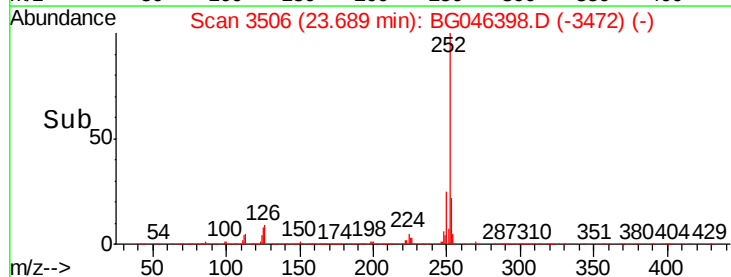
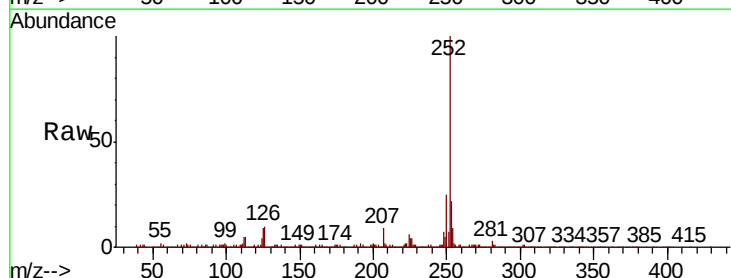
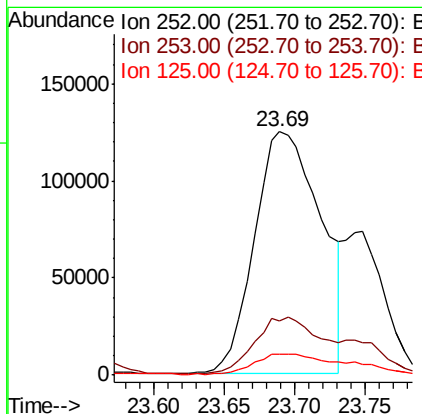
RT: 23.69 min Scan# 3506

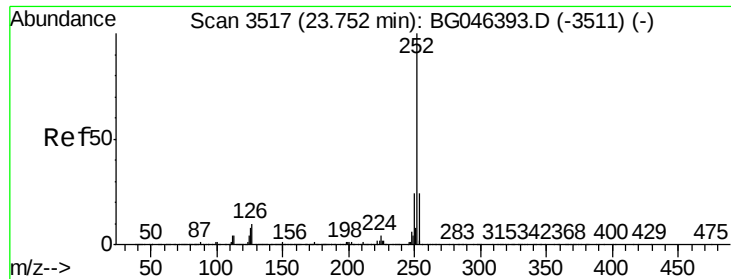
Delta R.T. 0.00 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 411791 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.3 | 17.8  | 26.6   |
| 125       | 8.8  | 6.4   | 9.6    |





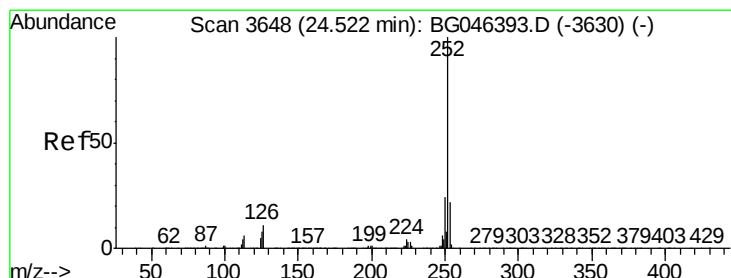
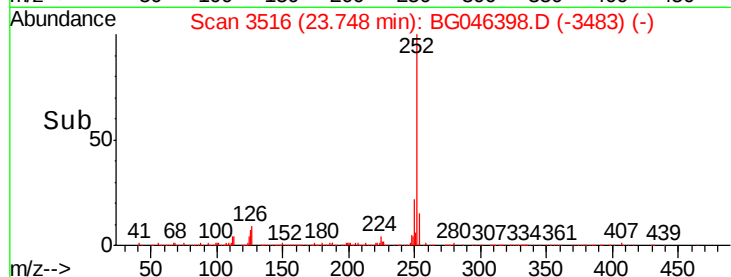
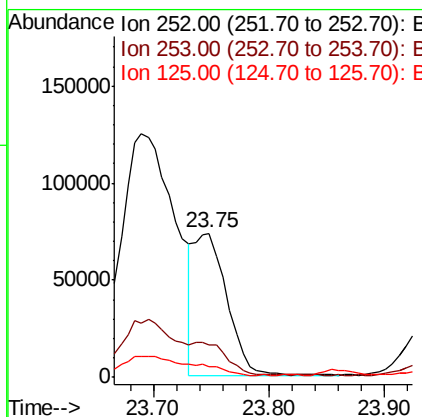
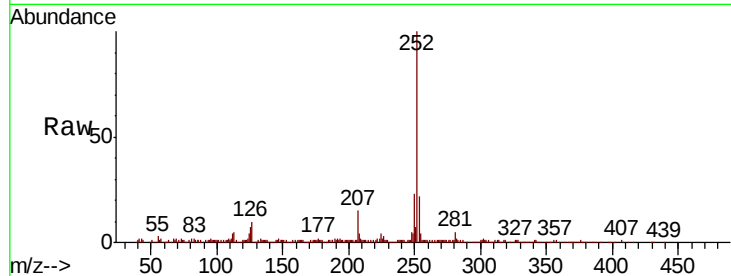
#25  
Benzo(k)fluoranthene  
Concen: 3.763 ng/ul m  
RT: 23.75 min Scan# 3516  
Delta R.T. -0.00 min  
Lab File: BG046398.D  
Acq: 21 Aug 2020 4:40

Instrument :  
BNA\_G  
ClientSampleId :  
BFMH6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 18.5  | 27.7  |
| 125     | 7.4   | 6.2   | 9.2   |

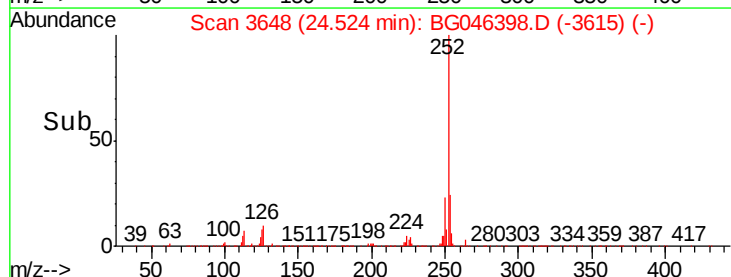
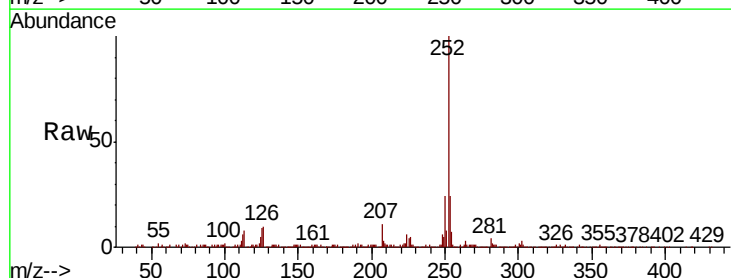
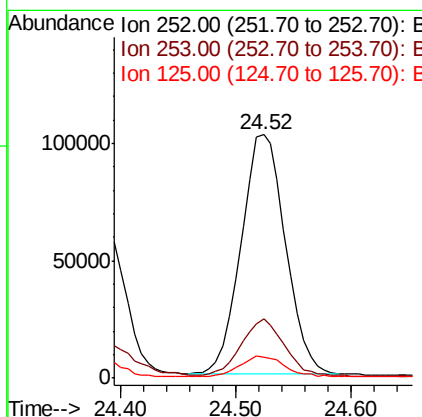
Manual Integrations  
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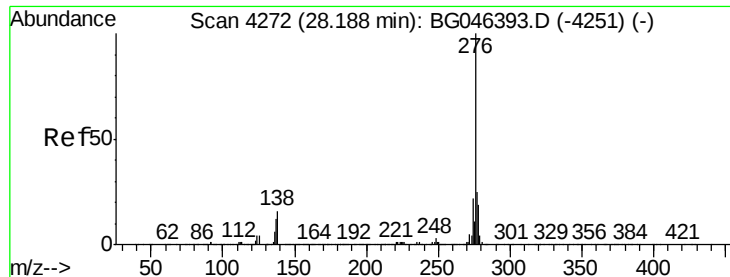
mohammad  
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#27  
Benzo(a)pyrene  
Concen: 7.756 ng/ul  
RT: 24.52 min Scan# 3648  
Delta R.T. -0.00 min  
Lab File: BG046398.D  
Acq: 21 Aug 2020 4:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.8  | 26.8  |
| 125     | 8.8   | 7.1   | 10.7  |





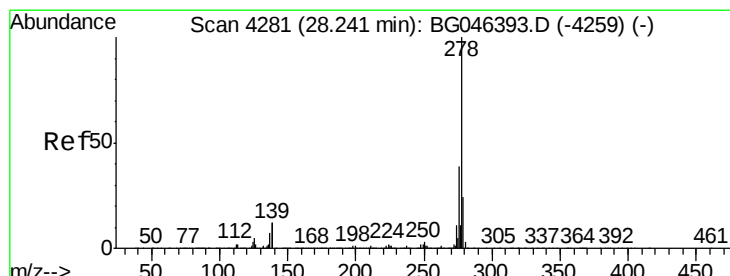
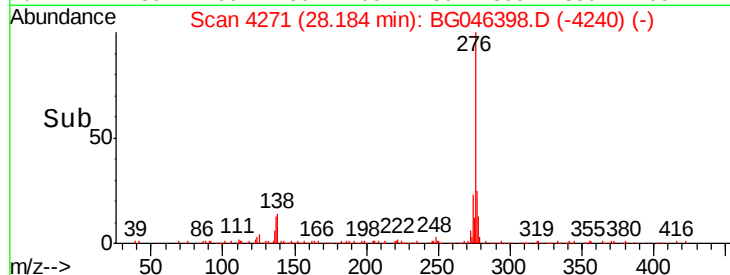
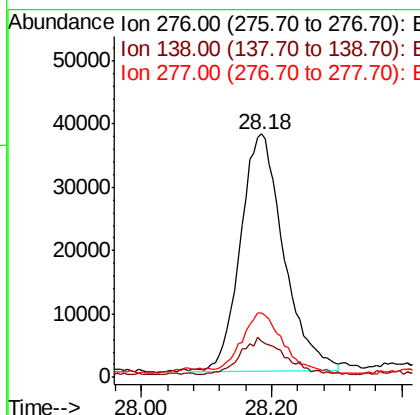
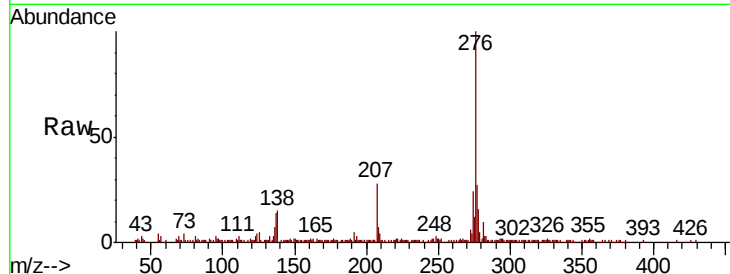
#28  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.919 ng/ul  
 RT: 28.18 min Scan# 4271  
 Delta R.T. -0.02 min  
 Lab File: BG046398.D  
 Acq: 21 Aug 2020 4:40

Instrument :  
 BNA\_G  
 ClientSampled :  
 BFMH6

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 172311 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 15.0  | 13.2  | 19.8   |
| 277       | 26.7  | 19.9  | 29.9   |

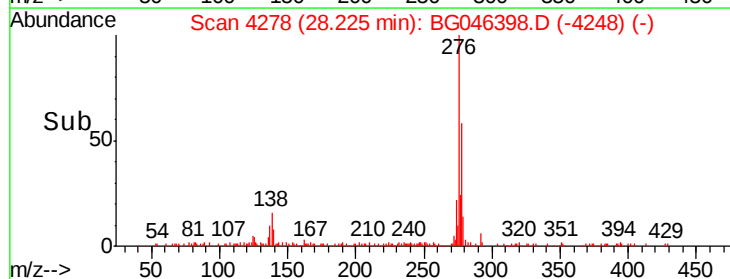
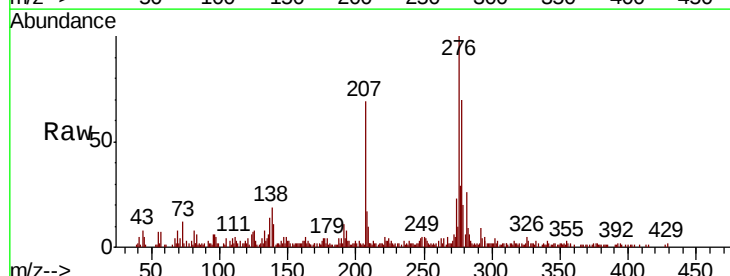
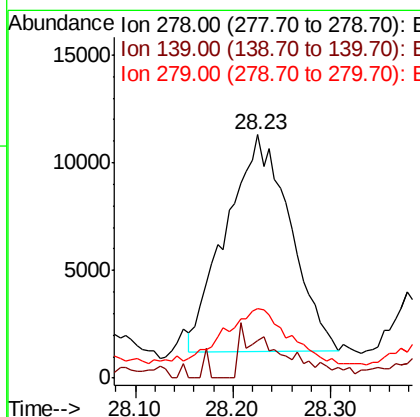
Manual Integrations  
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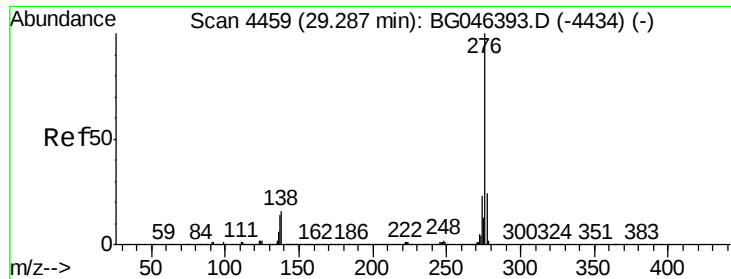
mohammad  
 8/21/2020 12:48:10 PM



#29  
 Dibenzo(a,h)anthracene  
 Concen: 1.291 ng/ul  
 RT: 28.23 min Scan# 4278  
 Delta R.T. -0.02 min  
 Lab File: BG046398.D  
 Acq: 21 Aug 2020 4:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 46020 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 15.5  | 9.8   | 14.8# |
| 279       | 28.5  | 19.7  | 29.5  |





#30

Benzo(a,h,i)perylene

Concen: 3.715 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. -0.02 min

Lab File: BG046398.D

Acq: 21 Aug 2020 4:40

Instrument :

BNA\_G

ClientSampleId :

BFMH6

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 136686 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 17.6  | 12.9  | 19.3   |
| 277       | 25.0  | 19.4  | 29.0   |

Manual Integrations  
APPROVED

mohammad  
8/21/2020 12:48:10 PM

