

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
 Data File : BG047456.D  
 Acq On : 24 Nov 2020 21:30  
 Operator : CG/JU  
 Sample : L4751-14  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B86

Manual Integrations  
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Quant Time: Nov 25 02:28:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 25 01:15:04 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 30571    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.10 | 136  | 128954   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.89 | 164  | 93040    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.62 | 188  | 200754m  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.90 | 240  | 180747   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.30 | 264  | 191589   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.62  | 96  | 1543   | 1.83  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.40  | 99  | 32001  | 10.44 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.58  | 67  | 22181  | 12.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.80  | 132 | 28273  | 13.75 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.96  | 113 | 24527  | 10.41 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.44  | 128 | 15602  | 14.65 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.17 | 143 | 16250  | 13.98 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.70 | 165 | 33744  | 12.68 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 33525  | 12.46 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.28 | 166 | 105688 | 13.23 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.58 | 160 | 125325 | 13.58 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.04 | 143 | 8234   | 6.76  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.87 | 176 | 97880  | 13.38 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 5488   | 4.80  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.72 | 188 | 145743 | 14.63 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.98 | 212 | 167895 | 15.96 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 25.07 | 264 | 166670 | 15.11 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 45) Dimethylphthalate    | 14.32 | 163 | 23862  | 2.929 | ng/ul# | 97 |
| 70) Phenanthrene         | 17.66 | 178 | 28093m | 2.591 | ng/ul  |    |
| 77) Fluoranthene         | 19.65 | 202 | 61405  | 4.485 | ng/ul  | 99 |
| 80) Pyrene               | 20.01 | 202 | 50368  | 3.934 | ng/ul# | 98 |
| 83) Benzo(a)anthracene   | 21.88 | 228 | 26968  | 2.097 | ng/ul  | 98 |
| 85) Chrysene             | 21.94 | 228 | 26766  | 2.187 | ng/ul  | 99 |
| 88) Benzo(b)fluoranthene | 24.22 | 252 | 32503  | 2.403 | ng/ul# | 98 |
| 89) Benzo(k)fluoranthene | 24.29 | 252 | 13615m | 1.021 | ng/ul  |    |
| 91) Benzo(a)pyrene       | 25.13 | 252 | 23064m | 1.913 | ng/ul  |    |

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

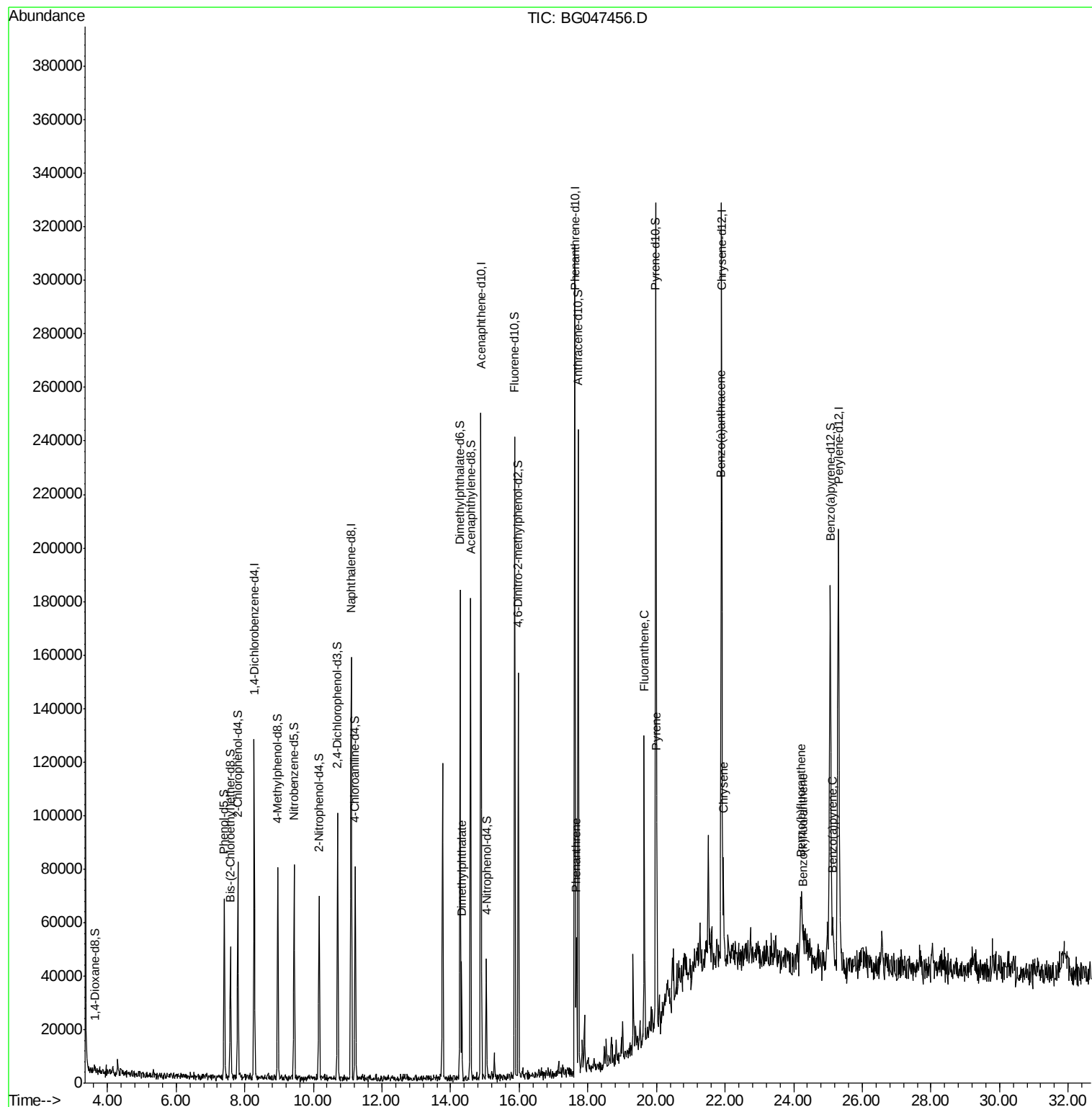
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
Data File : BG047456.D  
Acq On : 24 Nov 2020 21:30  
Operator : CG/JU  
Sample : L4751-14  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

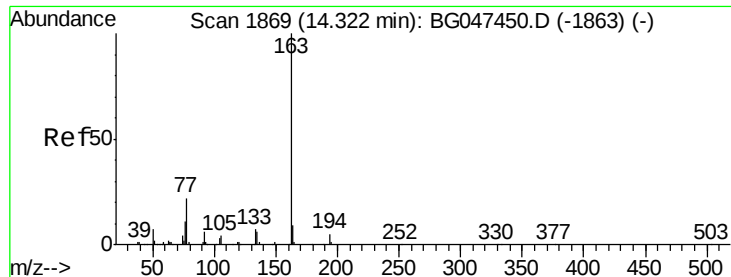
Instrument :  
BNA\_G  
ClientSampleId :  
C0B86

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Quant Time: Nov 25 02:28:28 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 25 01:15:04 2020  
Response via : Initial Calibration





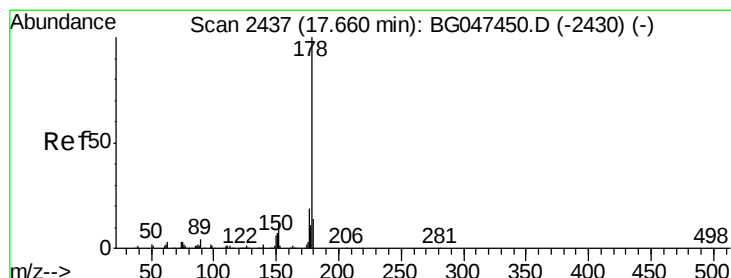
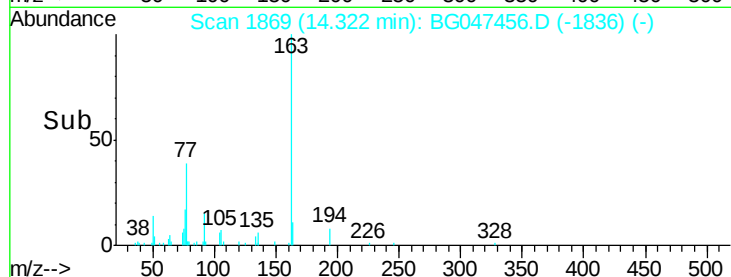
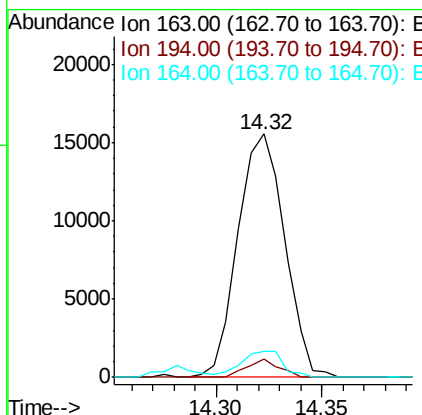
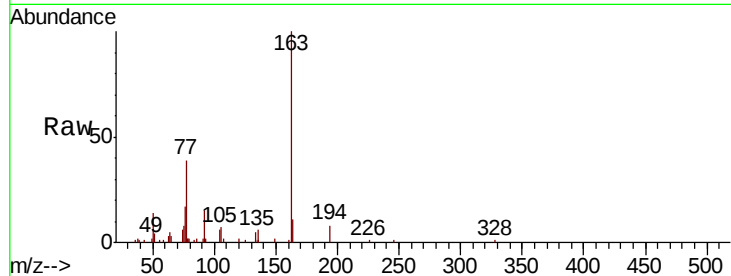
#45  
Dimethylphthalate  
Concen: 2.929 ng/ul  
RT: 14.32 min Scan# 1869  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

Instrument :  
BNA\_G  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 7.5   | 3.6   | 5.4#  |
| 164     | 10.5  | 8.5   | 12.7  |

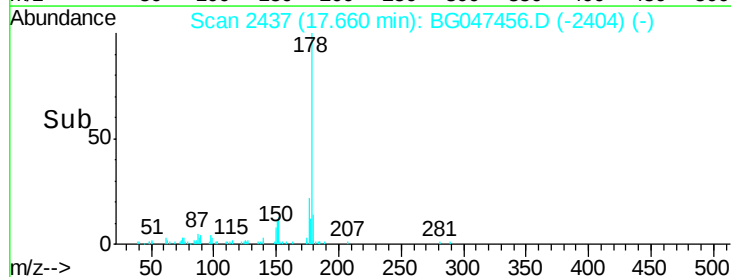
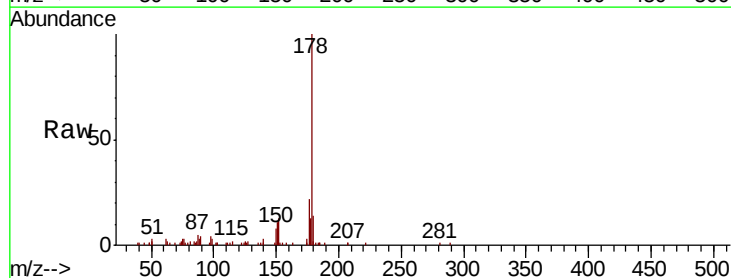
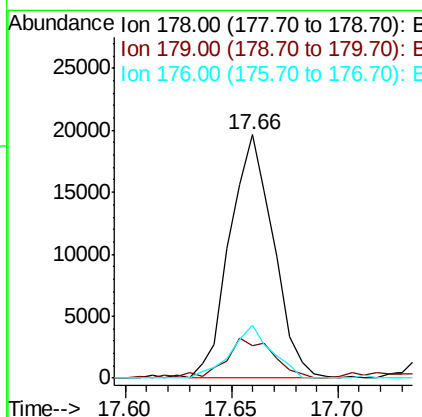
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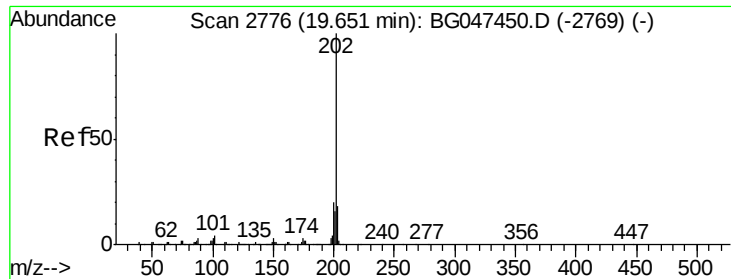
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#70  
Phenanthrene  
Concen: 2.591 ng/ul m  
RT: 17.66 min Scan# 2437  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 13.5  | 11.8  | 17.6  |
| 176     | 22.0  | 13.9  | 20.9# |





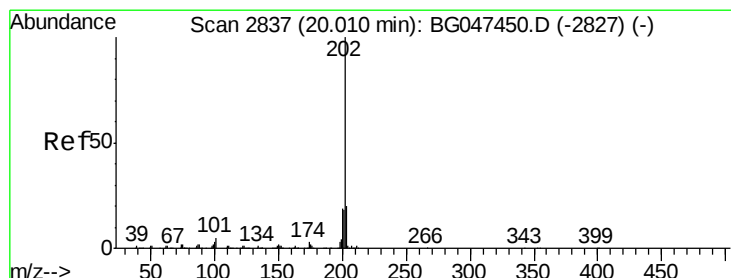
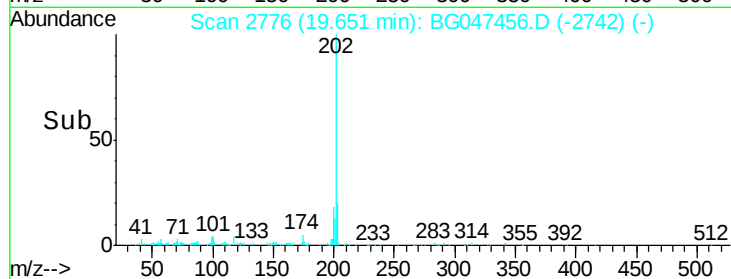
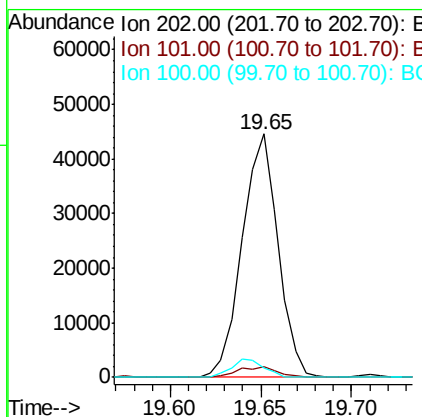
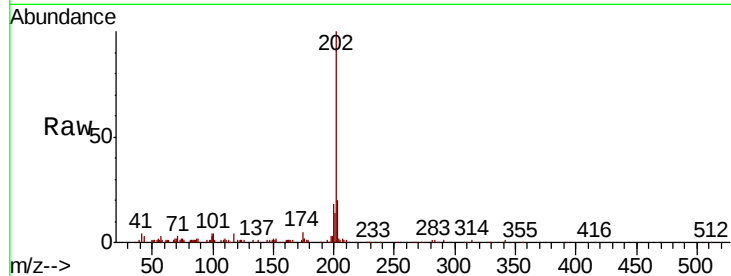
#77  
 Fluoranthene  
 Concen: 4.485 ng/ul  
 RT: 19.65 min Scan# 2776  
 Delta R.T. -0.00 min  
 Lab File: BG047456.D  
 Acq: 24 Nov 2020 21:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B86

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 4.4 | 3.0   | 4.6  |       |       |
| 100     | 4.0 | 3.0   | 4.6  |       |       |

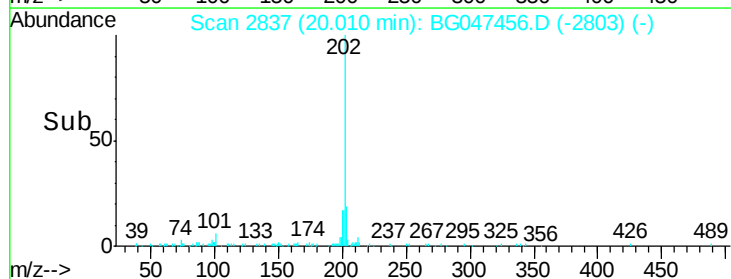
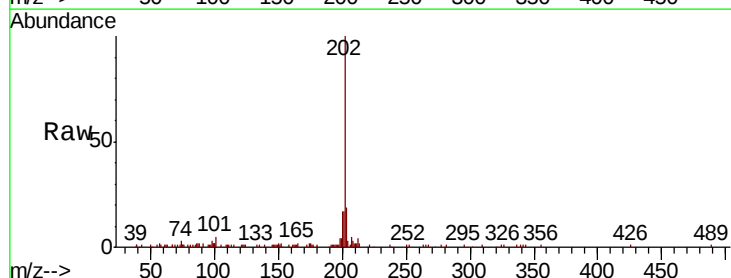
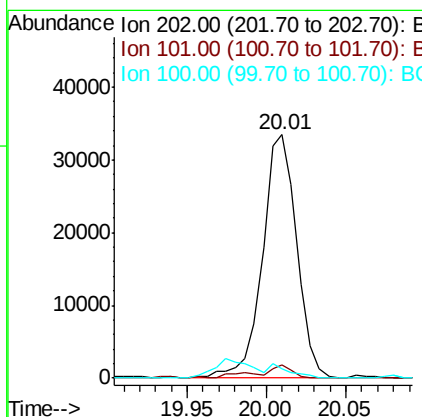
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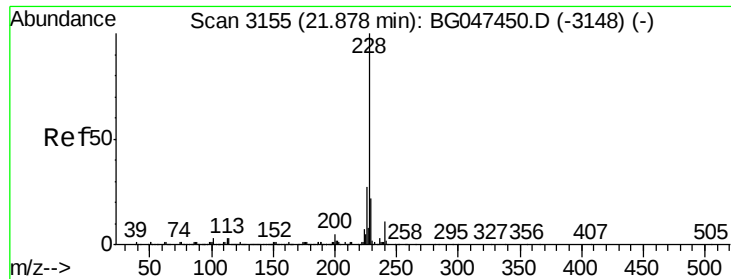
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#80  
 Pyrene  
 Concen: 3.934 ng/ul  
 RT: 20.01 min Scan# 2837  
 Delta R.T. -0.00 min  
 Lab File: BG047456.D  
 Acq: 24 Nov 2020 21:30

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 5.5 | 3.5   | 5.3# |       |       |
| 100     | 3.9 | 3.4   | 5.0  |       |       |





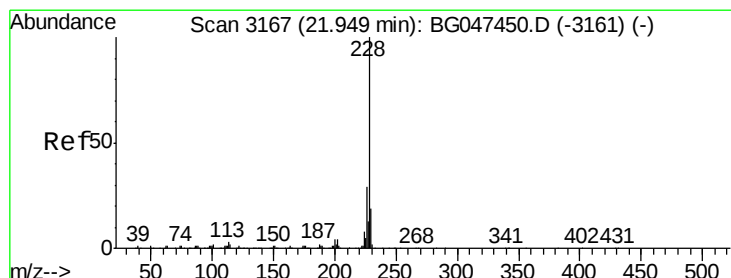
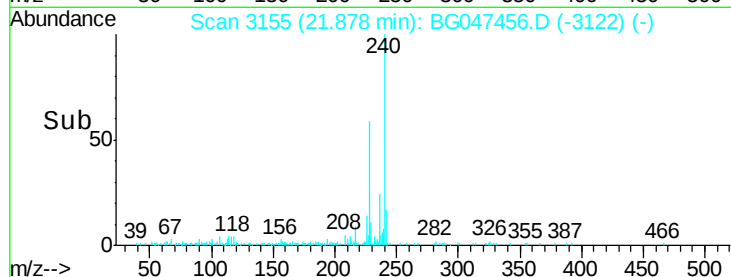
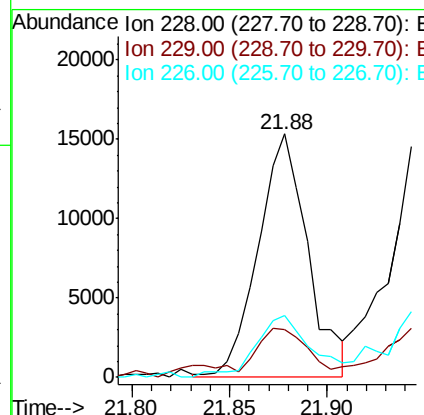
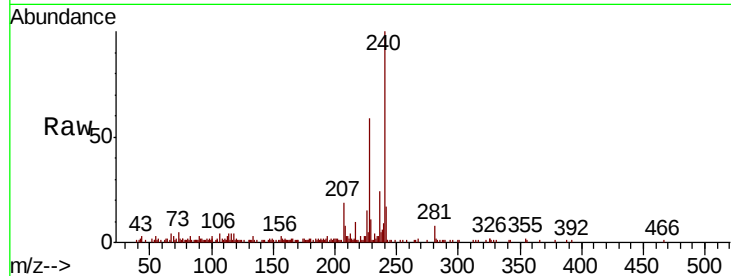
#83  
Benzo(a)anthracene  
Concen: 2.097 ng/ul  
RT: 21.88 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

Instrument :  
BNA\_G  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.4  | 15.6  | 23.4  |
| 226     | 25.3  | 21.7  | 32.5  |

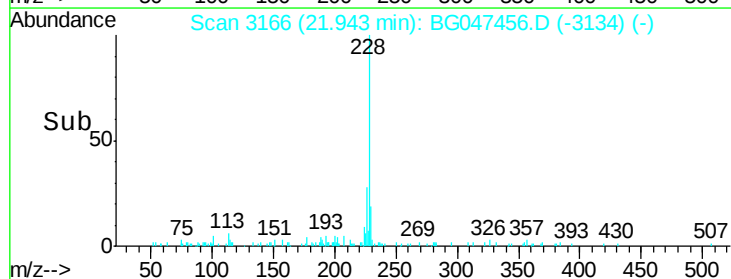
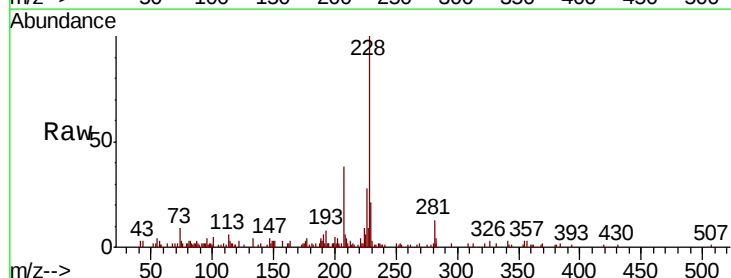
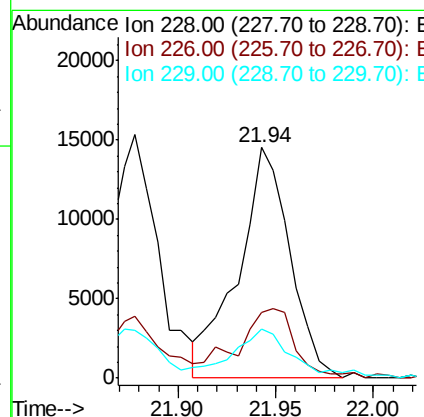
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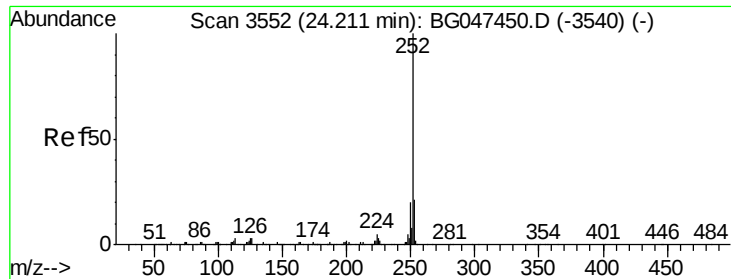
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#85  
Chrysene  
Concen: 2.187 ng/ul  
RT: 21.94 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 22.3  | 33.5  |
| 229     | 21.2  | 16.5  | 24.7  |





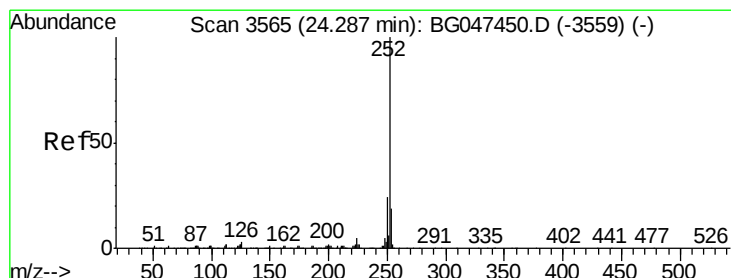
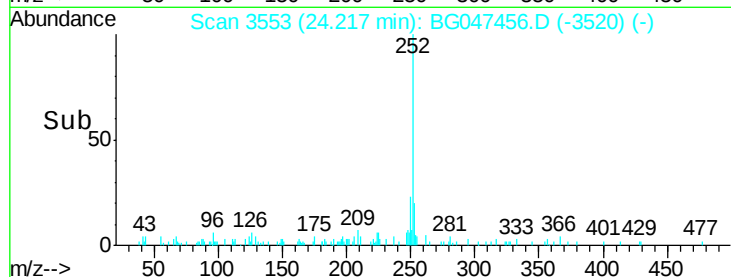
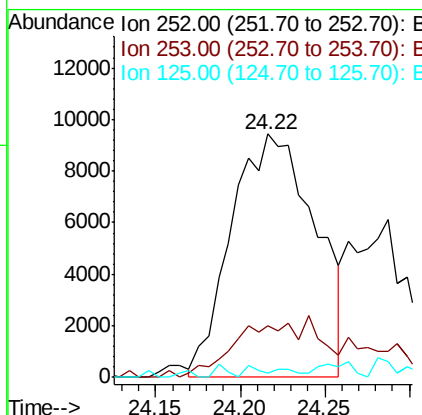
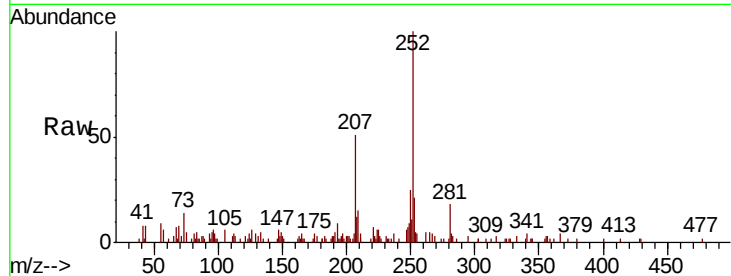
#88  
Benzo(b)fluoranthene  
Concen: 2.403 ng/ul  
RT: 24.22 min Scan# 3553  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

Instrument :  
BNA\_G  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 16.6  | 25.0  |
| 125     | 1.8   | 2.7   | 4.1#  |

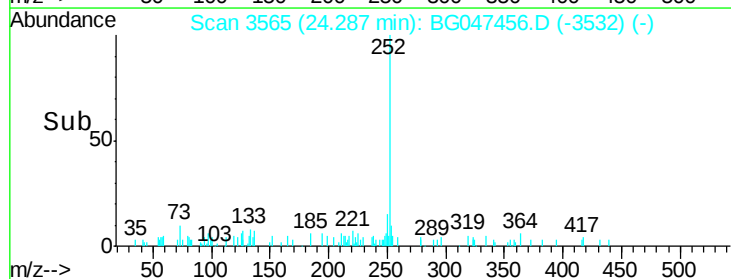
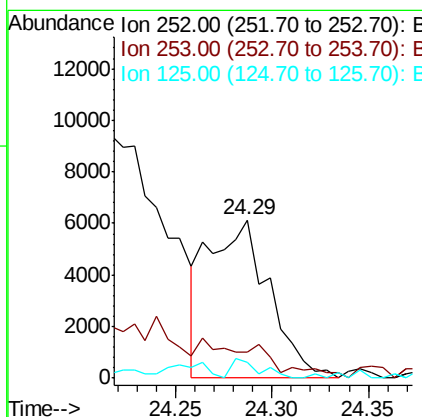
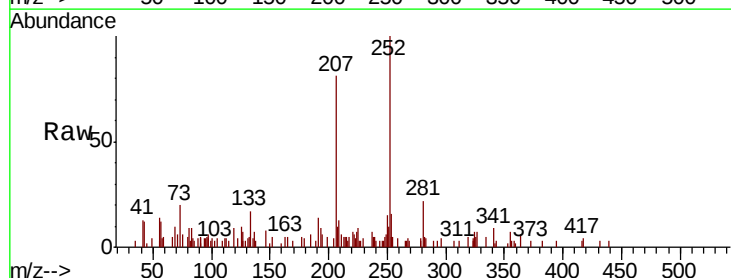
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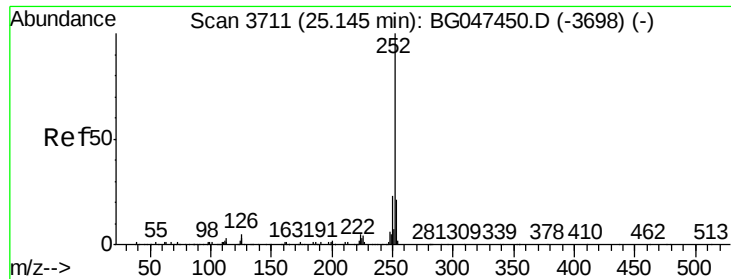
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#89  
Benzo(k)fluoranthene  
Concen: 1.021 ng/ul m  
RT: 24.29 min Scan# 3565  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 16.5  | 18.2  | 27.4# |
| 125     | 9.8   | 2.2   | 3.2#  |





#91  
Benzo(a)pyrene  
Concen: 1.913 ng/ul m  
RT: 25.13 min Scan# 3709  
Delta R.T. -0.01 min  
Lab File: BG047456.D  
Acq: 24 Nov 2020 21:30

Instrument :  
BNA\_G  
ClientSampleId :  
C0B86

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.4  | 18.6  | 27.8# |
| 125     | 2.2   | 3.1   | 4.7#  |

Manual Integrations  
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