

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\  
 Data File : BG046987.D  
 Acq On : 19 Oct 2020 15:00  
 Operator : CG/JU  
 Sample : L4308-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AP8

Manual Integrations  
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Quant Time: Oct 19 15:43:59 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 19 11:15:40 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.07  | 152  | 55029    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.88 | 136  | 230801   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.69 | 164  | 168987   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.44 | 188  | 379288   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.71 | 240  | 350298   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.95 | 264  | 355060   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 4838    | 3.90  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.22  | 99  | 92112   | 19.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.39  | 67  | 58699   | 20.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.60  | 132 | 72739   | 20.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 68212   | 17.60 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.23  | 128 | 39672   | 20.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.95  | 143 | 47247   | 21.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.49 | 165 | 87330   | 19.89 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.01 | 131 | 78903   | 15.64 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.10 | 166 | 303942  | 21.65 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.39 | 160 | 338717  | 21.17 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.88 | 143 | 35924   | 14.85 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.69 | 176 | 264362  | 20.49 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.79 | 200 | 32944   | 12.61 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.54 | 188 | 381893m | 20.79 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.82 | 212 | 413211  | 21.52 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.72 | 264 | 386149  | 19.31 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 45) Dimethylphthalate          | 14.14 | 163 | 151900  | 10.438 | ng/ul 100 |
| 70) Phenanthrene               | 17.48 | 178 | 113754  | 5.241  | ng/ul 99  |
| 77) Fluoranthene               | 19.49 | 202 | 310449  | 11.714 | ng/ul 99  |
| 80) Pyrene                     | 19.85 | 202 | 240971  | 10.165 | ng/ul 98  |
| 83) Benzo(a)anthracene         | 21.69 | 228 | 145351  | 6.012  | ng/ul 97  |
| 84) Bis(2-ethylhexyl)phthalate | 21.59 | 149 | 16249   | 1.319  | ng/ul# 98 |
| 85) Chrysene                   | 21.76 | 228 | 164093m | 7.035  | ng/ul     |
| 88) Benzo(b)fluoranthene       | 23.92 | 252 | 222486  | 9.033  | ng/ul 99  |
| 89) Benzo(k)fluoranthene       | 23.98 | 252 | 67045   | 2.823  | ng/ul 99  |
| 91) Benzo(a)pyrene             | 24.79 | 252 | 125455  | 5.666  | ng/ul 97  |
| 92) Indeno(1,2,3-cd)pyrene     | 28.63 | 276 | 100664  | 3.711  | ng/ul# 96 |
| 93) Dibenzo(a,h)anthracene     | 28.68 | 278 | 29407m  | 1.307  | ng/ul     |
| 94) Benzo(g,h,i)perylene       | 29.78 | 276 | 80015   | 3.514  | ng/ul 97  |

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

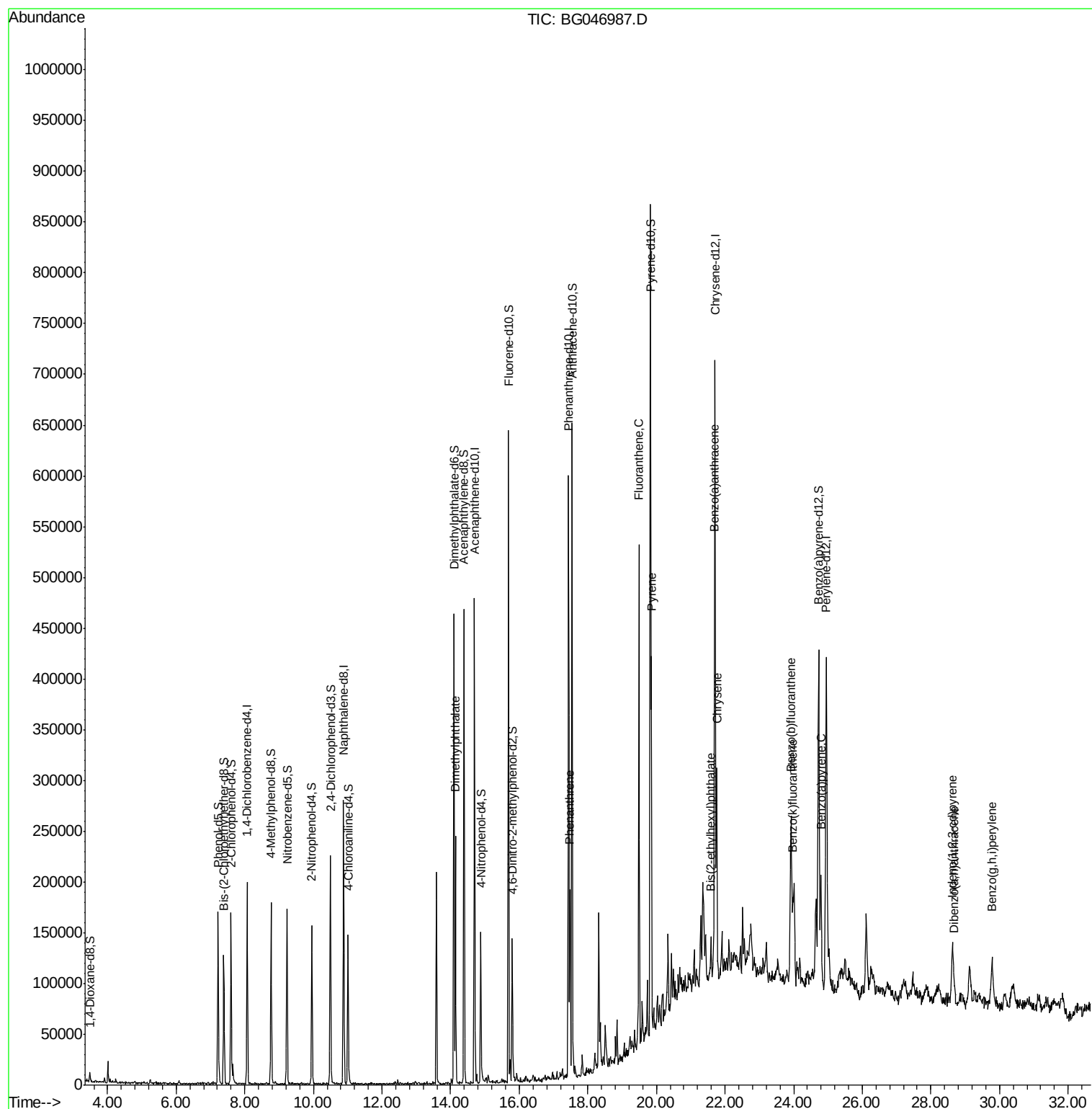
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\  
Data File : BG046987.D  
Acq On : 19 Oct 2020 15:00  
Operator : CG/JU  
Sample : L4308-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

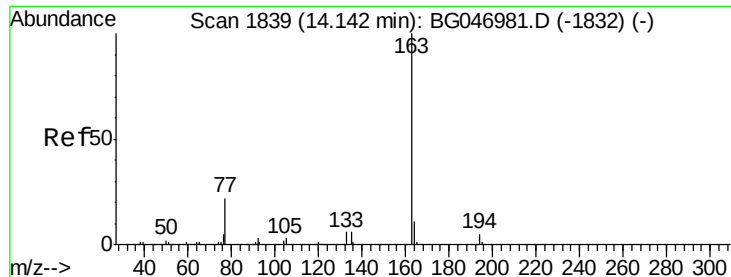
Instrument :  
BNA\_G  
ClientSampleId :  
C0AP8

Quant Time: Oct 19 15:43:59 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 19 11:15:40 2020  
Response via : Initial Calibration

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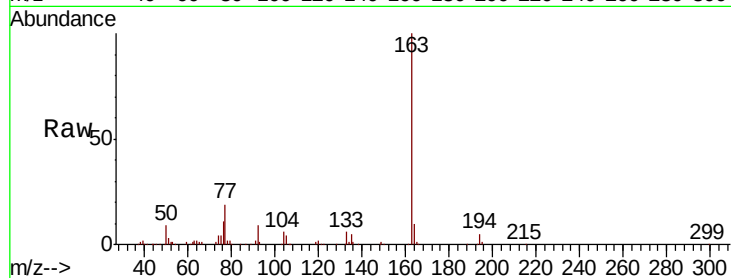
#45  
Dimethylphthalate  
Concen: 10.438 ng/ul  
RT: 14.14 min Scan# 1839  
Delta R.T. 0.00 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

Instrument :  
BNA\_G  
ClientSampleId :  
C0AP8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.9   | 5.9   |
| 164     | 9.7   | 7.8   | 11.8  |

Manual Integrations  
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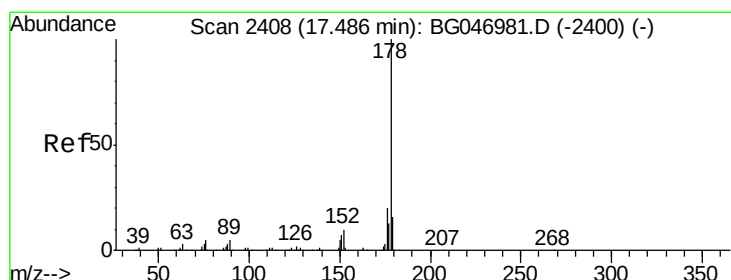
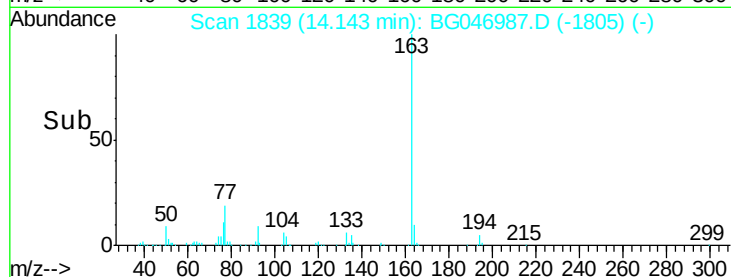
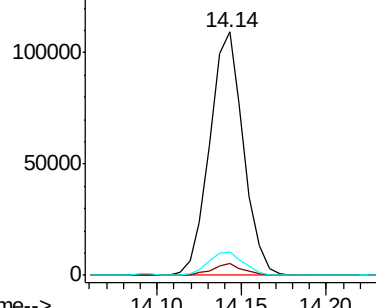


Abundance

Ion 163.00 (162.70 to 163.70): E

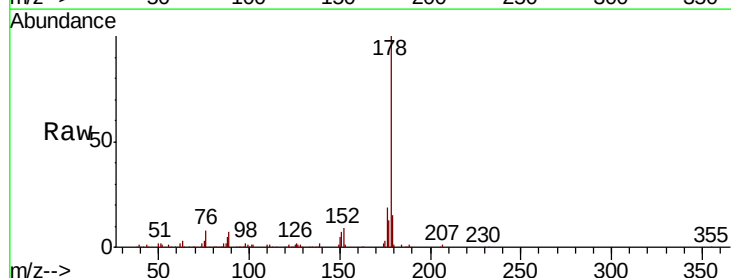
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#70  
Phenanthrene  
Concen: 5.241 ng/ul  
RT: 17.48 min Scan# 2407  
Delta R.T. -0.01 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.0  | 12.5  | 18.7  |
| 176     | 19.3  | 15.0  | 22.4  |

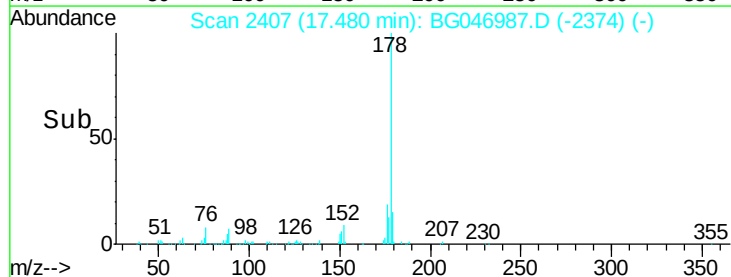
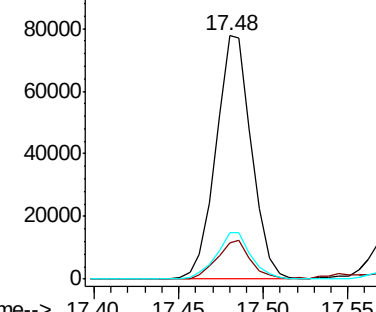


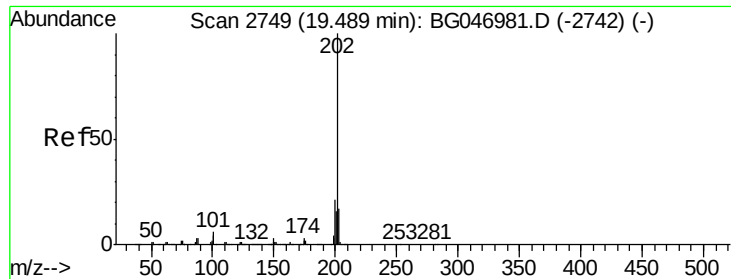
Abundance

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





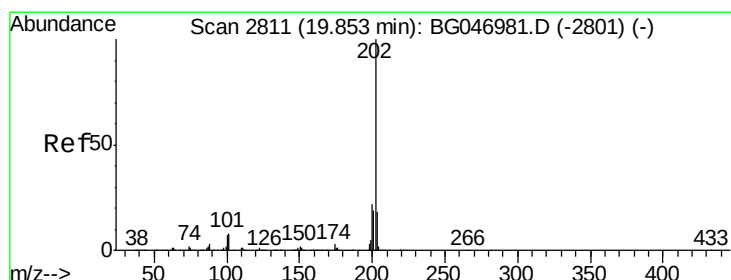
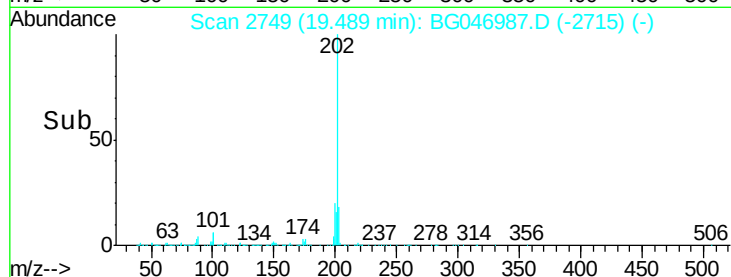
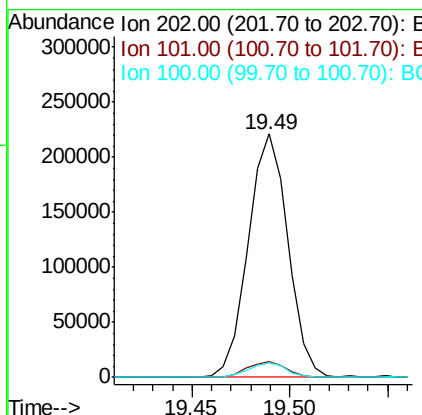
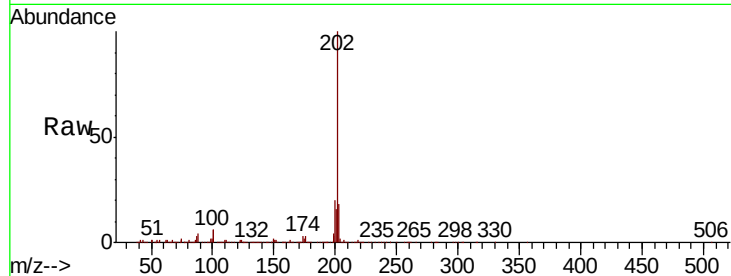
#77  
Fluoranthene  
Concen: 11.714 ng/ul  
RT: 19.49 min Scan# 2749  
Delta R.T. 0.00 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

Instrument :  
BNA\_G  
ClientSampled :  
C0AP8

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 6.4 |       | 4.9  | 7.3   |       |
| 100     | 6.0 |       | 4.6  | 6.8   |       |

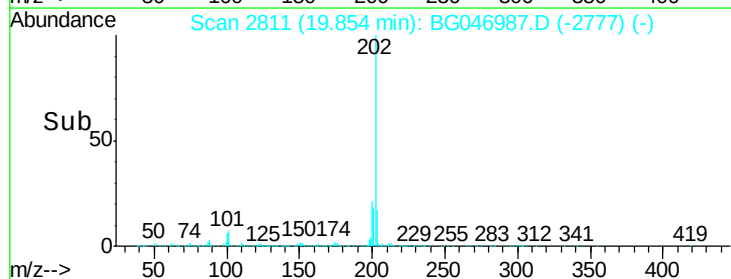
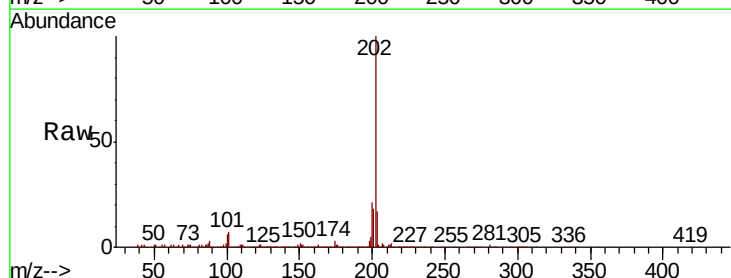
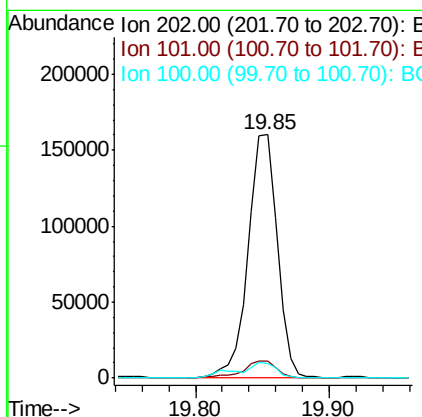
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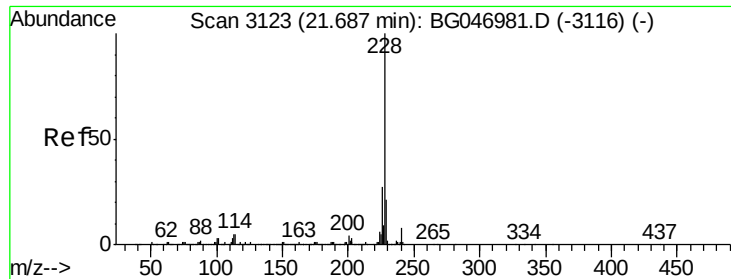
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#80  
Pyrene  
Concen: 10.165 ng/ul  
RT: 19.85 min Scan# 2811  
Delta R.T. 0.00 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 7.1 |       | 6.5  | 9.7   |       |
| 100     | 6.2 |       | 5.2  | 7.8   |       |





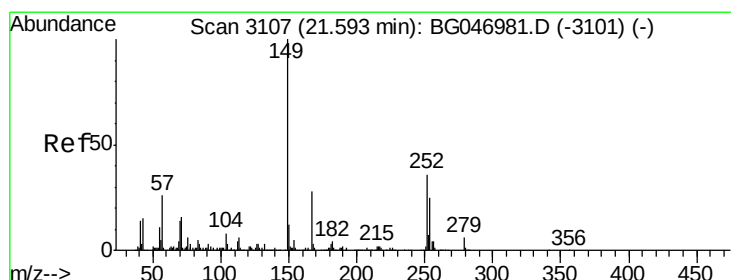
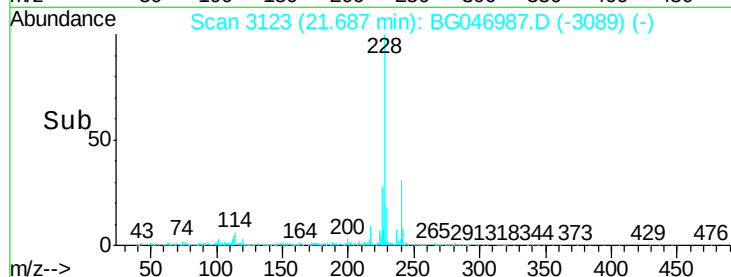
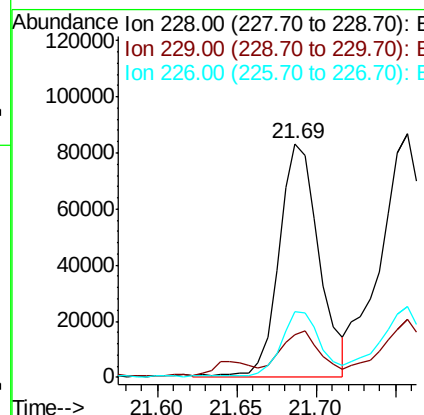
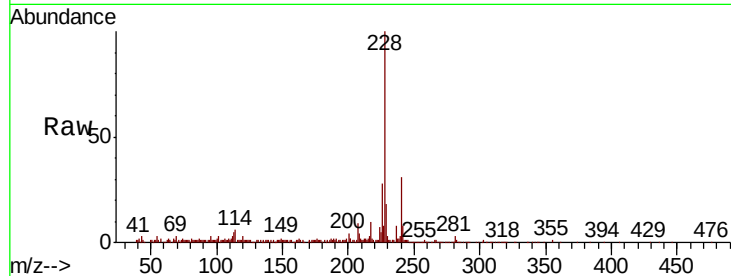
#83  
Benzo(a)anthracene  
Concen: 6.012 ng/ul  
RT: 21.69 min Scan# 3123  
Delta R.T. 0.00 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

Instrument :  
BNA\_G  
ClientSampled :  
C0AP8

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 145351 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 18.3  | 16.2  | 24.2   |
| 226       | 28.0  | 21.6  | 32.4   |

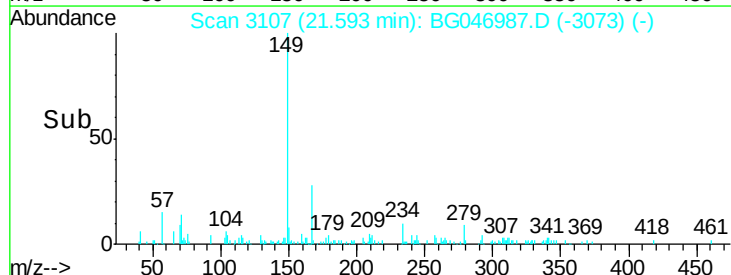
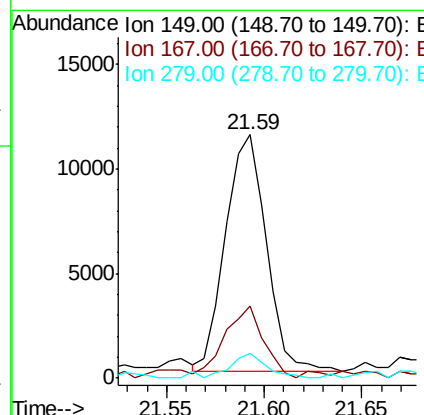
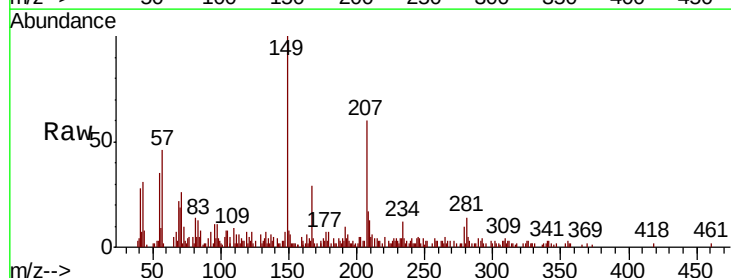
Manual Integrations  
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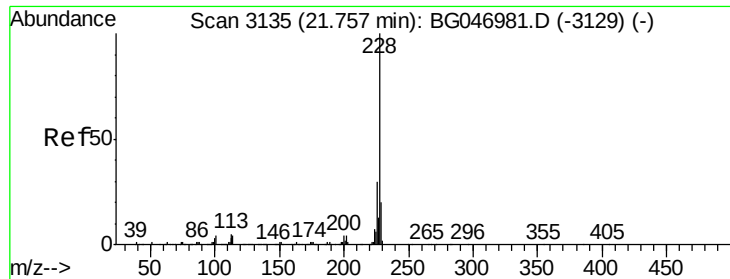
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 1.319 ng/ul  
RT: 21.59 min Scan# 3107  
Delta R.T. 0.00 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 16249 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 29.4  | 23.7  | 35.5  |
| 279       | 10.1  | 4.6   | 7.0#  |





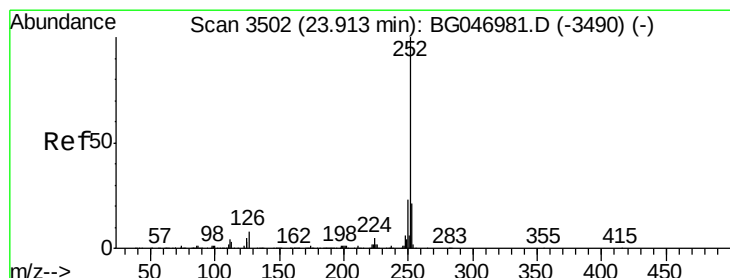
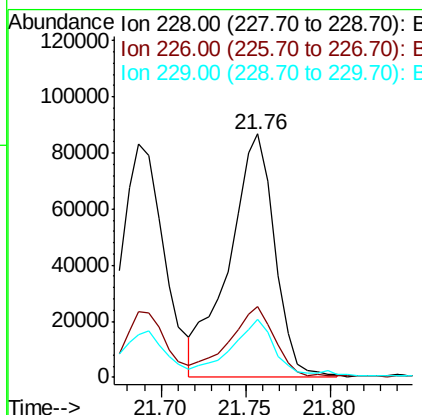
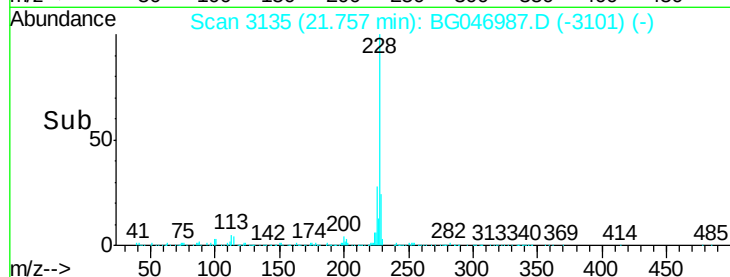
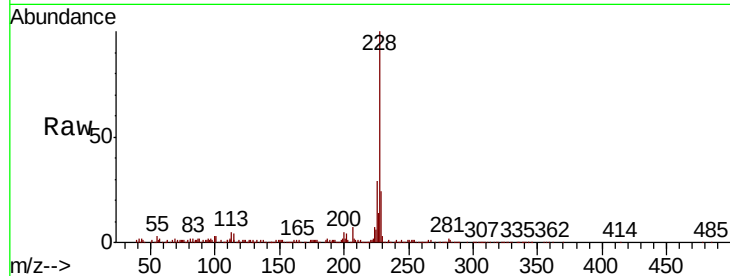
#85  
 Chrysene  
 Concen: 7.035 ng/ul m  
 RT: 21.76 min Scan# 3135  
 Delta R.T. 0.00 min  
 Lab File: BG046987.D  
 Acq: 19 Oct 2020 15:00

Instrument :  
 BNA\_G  
 ClientSampled :  
 C0AP8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.0  | 23.2  | 34.8  |
| 229     | 24.0  | 15.6  | 23.4  |

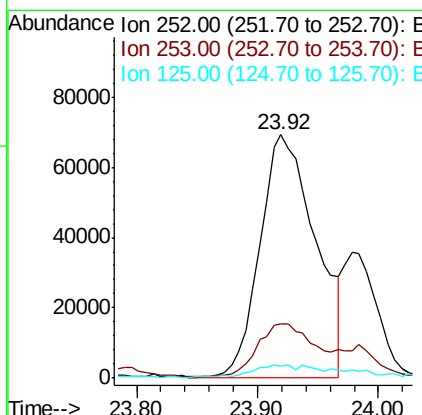
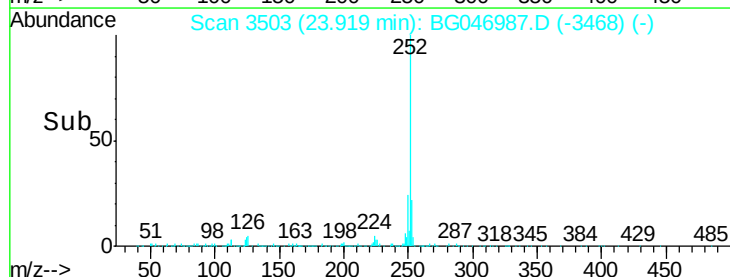
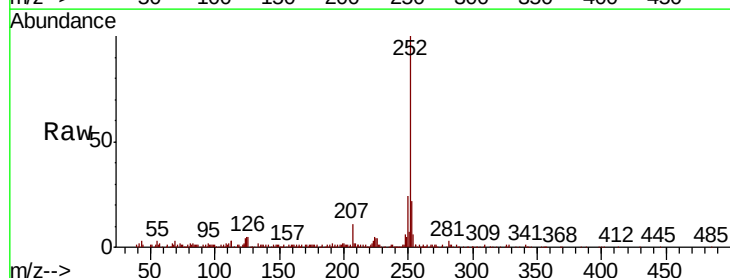
Manual Integrations  
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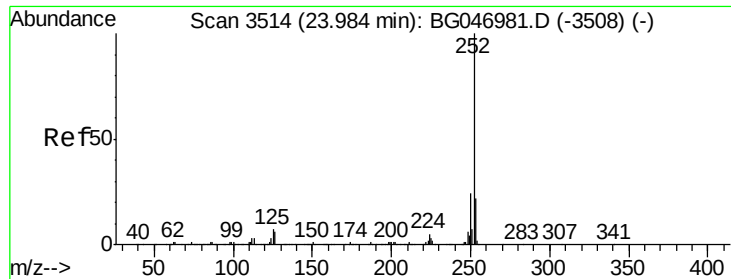
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#88  
 Benzo(b)fluoranthene  
 Concen: 9.033 ng/ul  
 RT: 23.92 min Scan# 3503  
 Delta R.T. 0.01 min  
 Lab File: BG046987.D  
 Acq: 19 Oct 2020 15:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.2  | 27.2  |
| 125     | 4.9   | 4.6   | 7.0   |





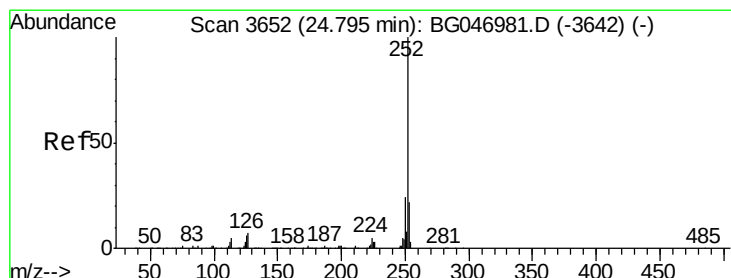
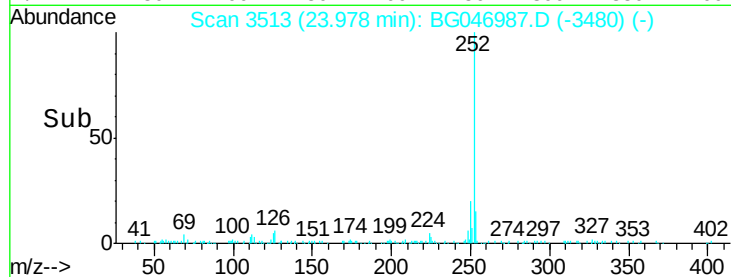
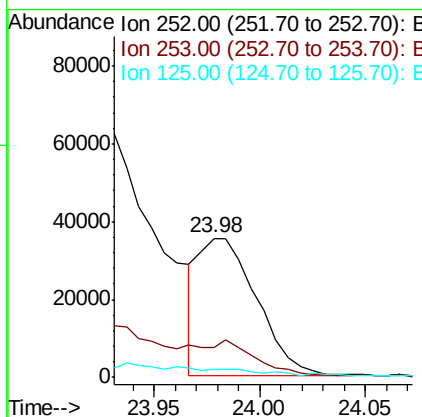
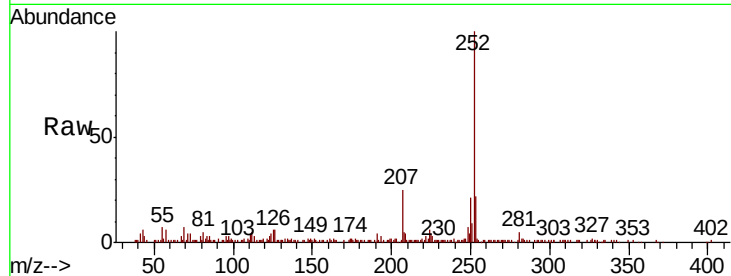
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Benzo(k)fluoranthene  
Concen: 2.823 ng/ul  
RT: 23.98 min Scan# 3513  
Delta R.T. -0.01 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

Instrument :  
BNA\_G  
ClientSampleId :  
C0AP8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.7  | 26.5  |
| 125     | 6.2   | 4.2   | 6.4   |

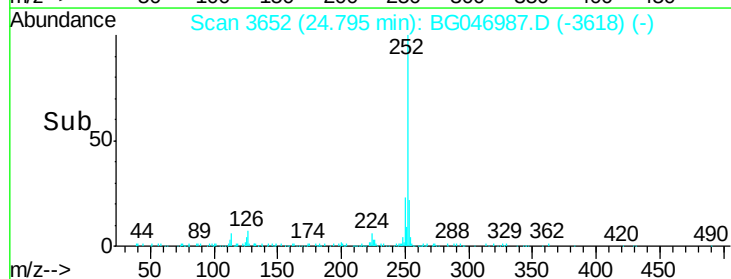
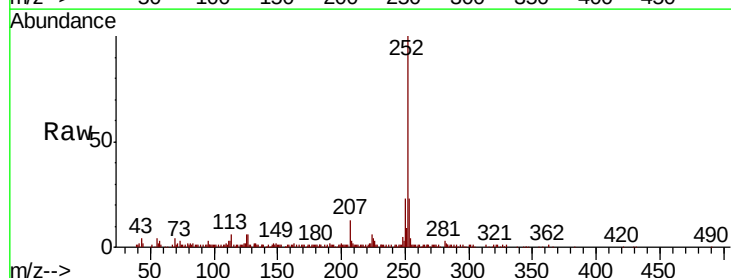
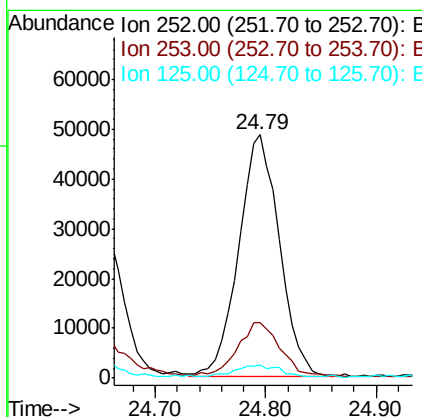
Manual Integrations  
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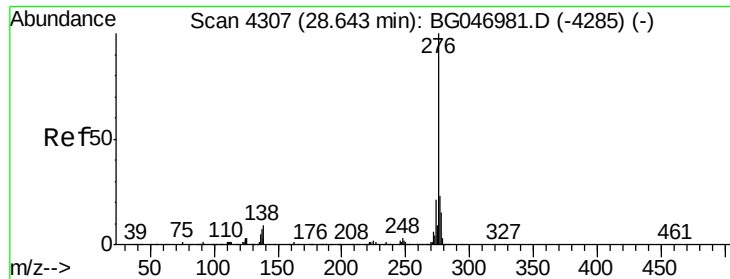
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#91  
Benzo(a)pyrene  
Concen: 5.666 ng/ul  
RT: 24.79 min Scan# 3652  
Delta R.T. 0.00 min  
Lab File: BG046987.D  
Acq: 19 Oct 2020 15:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.2  | 25.8  |
| 125     | 5.6   | 5.4   | 8.0   |





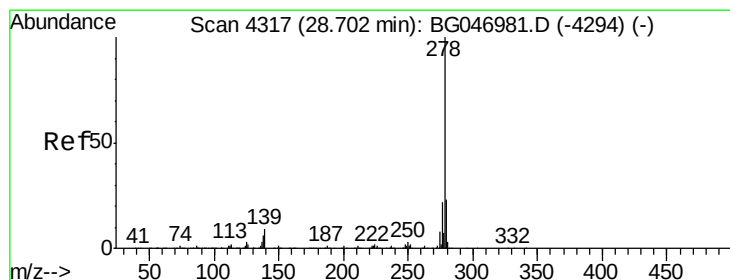
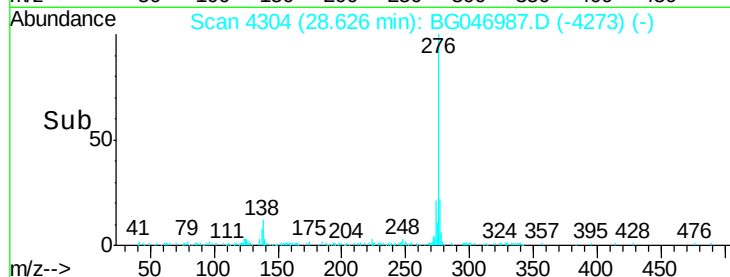
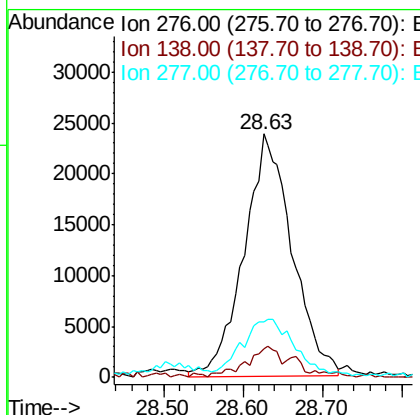
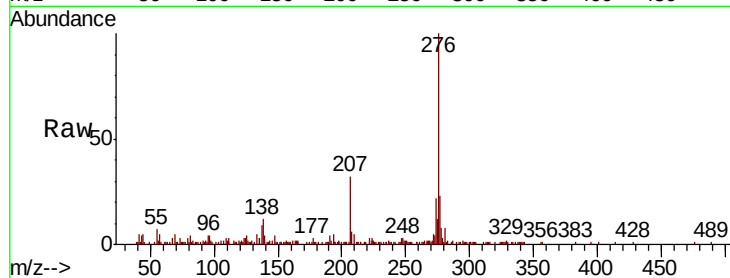
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.711 ng/ul  
 RT: 28.63 min Scan# 4304  
 Delta R.T. -0.02 min  
 Lab File: BG046987.D  
 Acq: 19 Oct 2020 15:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AP8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 11.7  | 7.8   | 11.6# |
| 277     | 22.6  | 19.4  | 29.2  |

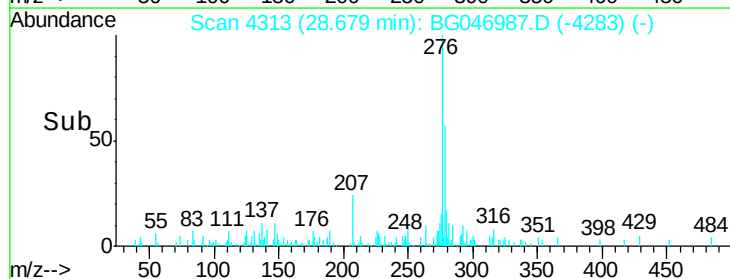
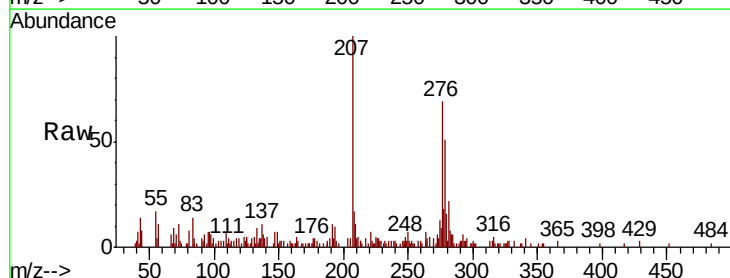
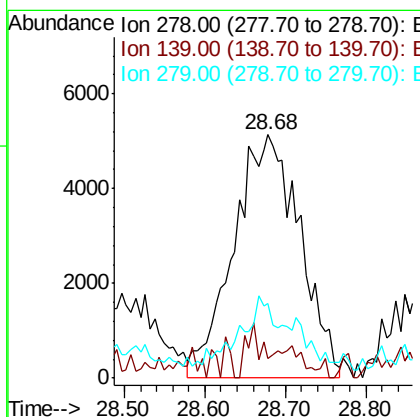
Manual Integrations  
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 10/20/2020 2:57:48 PM

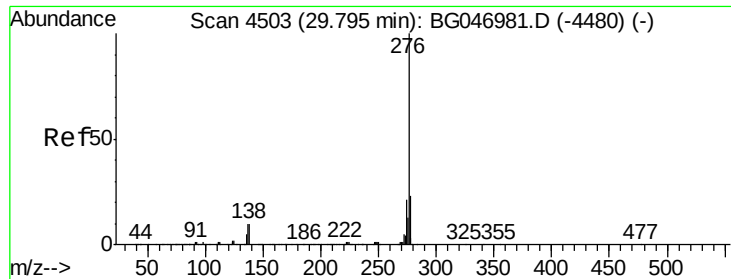


#93  
 Dibenzo(a,h)anthracene  
 Concen: 1.307 ng/ul m  
 RT: 28.68 min Scan# 4313  
 Delta R.T. -0.02 min  
 Lab File: BG046987.D  
 Acq: 19 Oct 2020 15:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 8.3   | 7.0   | 10.6  |
| 279     | 30.6  | 19.0  | 28.4# |







#94

Benzo(a,h,i)perylene

Concen: 3.514 ng/ul

RT: 29.78 min Scan# 4501

Delta R.T. -0.01 min

Lab File: BG046987.D

Acq: 19 Oct 2020 15:00

Instrument :

BNA\_G

ClientSampleId :

C0AP8

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 276  | Resp: | 80015 |
| Ion Ratio |      | Lower | Upper |
| 276       | 100  |       |       |
| 138       | 12.2 | 8.5   | 12.7  |
| 277       | 24.4 | 18.5  | 27.7  |

Manual Integrations  
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