

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
 Data File : BG047442.D  
 Acq On : 24 Nov 2020 11:56  
 Operator : CG/JU  
 Sample : L4751-04  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B84

Manual Integrations  
 APPROVED

mohammad  
 11/25/2020 12:48:08 PM

Quant Time: Nov 24 12:38:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 23 13:14:53 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 36904    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.10 | 136  | 142070   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.88 | 164  | 100156   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.62 | 188  | 226231   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.90 | 240  | 203038   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.30 | 264  | 215000   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.62  | 96  | 1252   | 1.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.40  | 99  | 44883  | 12.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.58  | 67  | 24547  | 11.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.80  | 132 | 31887  | 12.85 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.96  | 113 | 32864  | 11.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.44  | 128 | 15828  | 13.49 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.17 | 143 | 19894  | 15.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.71 | 165 | 39389  | 13.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 35611  | 12.01 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.28 | 166 | 123984 | 14.42 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.58 | 160 | 147076 | 14.80 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.04 | 143 | 14243  | 10.86 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.86 | 176 | 114921 | 14.59 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 8155   | 6.33  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.72 | 188 | 178167 | 15.88 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.98 | 212 | 195635 | 16.56 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 25.07 | 264 | 195578 | 15.80 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                      | 7.43  | 94  | 6558    | 1.850  | ng/ul# | 83  |
| 45) Dimethylphthalate          | 14.32 | 163 | 23490   | 2.678  | ng/ul# | 96  |
| 70) Phenanthrene               | 17.66 | 178 | 132784  | 10.869 | ng/ul  | 98  |
| 72) Anthracene                 | 17.75 | 178 | 39646m  | 3.222  | ng/ul  |     |
| 75) Carbazole                  | 18.01 | 167 | 10899   | 1.098  | ng/ul# | 94  |
| 77) Fluoranthene               | 19.65 | 202 | 547312  | 35.473 | ng/ul# | 98  |
| 80) Pyrene                     | 20.01 | 202 | 386884  | 26.900 | ng/ul  | 99  |
| 83) Benzo(a)anthracene         | 21.88 | 228 | 269495  | 18.655 | ng/ul  | 99  |
| 84) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 14709   | 2.089  | ng/ul  | 94  |
| 85) Chrysene                   | 21.95 | 228 | 266284  | 19.369 | ng/ul  | 97  |
| 88) Benzo(b)fluoranthene       | 24.22 | 252 | 417921m | 27.531 | ng/ul  |     |
| 89) Benzo(k)fluoranthene       | 24.28 | 252 | 111757  | 7.471  | ng/ul  | 100 |
| 91) Benzo(a)pyrene             | 25.15 | 252 | 220401m | 16.287 | ng/ul  |     |
| 92) Indeno(1,2,3-cd)pyrene     | 29.21 | 276 | 158764  | 9.645  | ng/ul# | 92  |
| 93) Dibenzo(a,h)anthracene     | 29.27 | 278 | 42749m  | 3.168  | ng/ul  |     |
| 94) Benzo(g,h,i)perylene       | 30.45 | 276 | 111256m | 8.191  | ng/ul  |     |

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

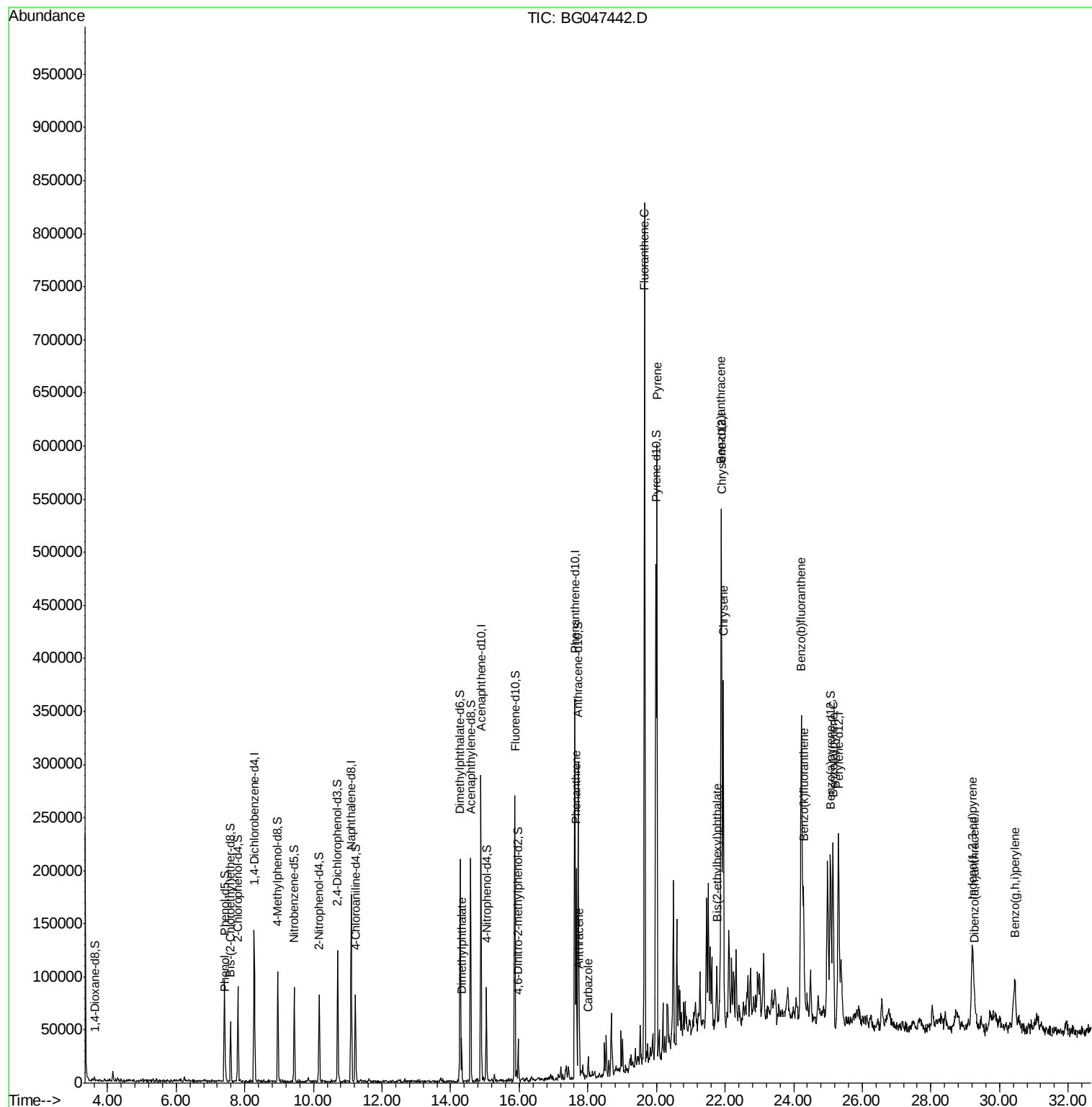
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
Data File : BG047442.D  
Acq On : 24 Nov 2020 11:56  
Operator : CG/JU  
Sample : L4751-04  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

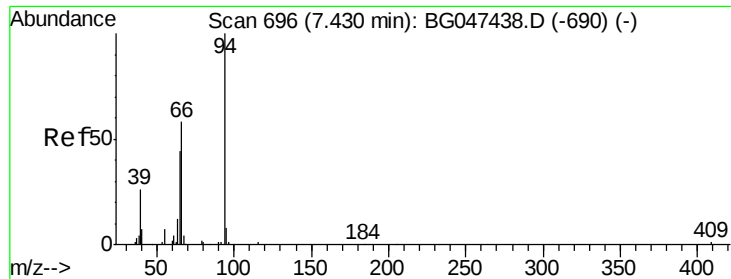
Instrument :  
BNA\_G  
ClientSampleId :  
C0B84

Quant Time: Nov 24 12:38:34 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Nov 23 13:14:53 2020  
Response via : Initial Calibration

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#6

Phenol

Concen: 1.850 ng/ul

RT: 7.43 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG047442.D

Acq: 24 Nov 2020 11:56

Instrument :

BNA\_G

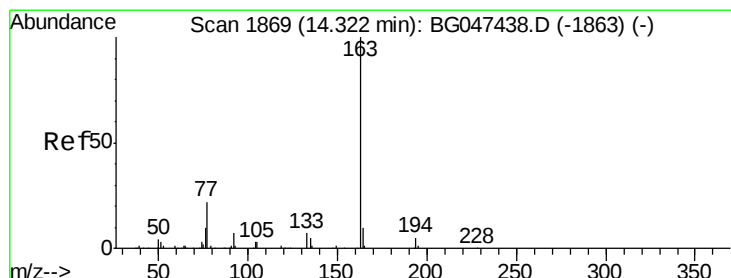
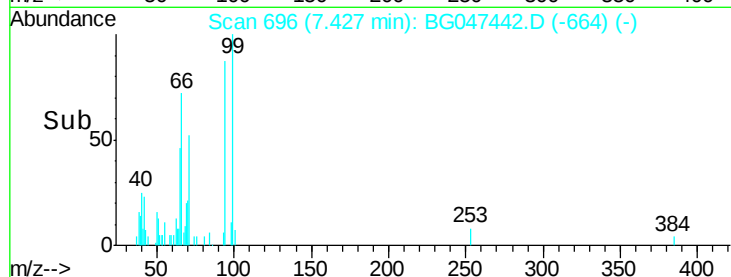
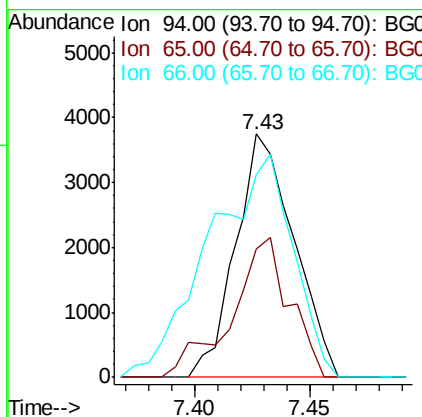
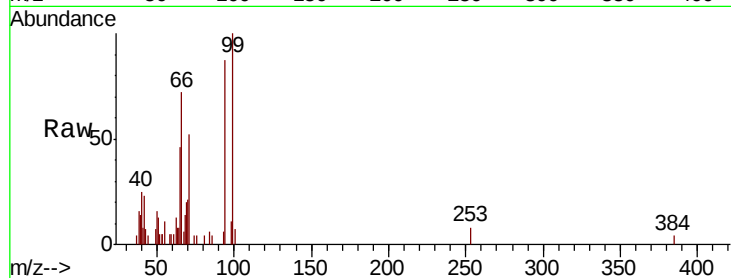
ClientSampleId :

C0B84

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 6558  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 52.6  | 37.8  | 56.8  |
| 66       | 83.1  | 51.6  | 77.4# |

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#45

Dimethylphthalate

Concen: 2.678 ng/ul

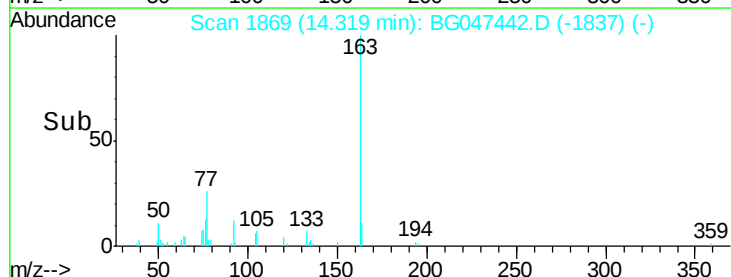
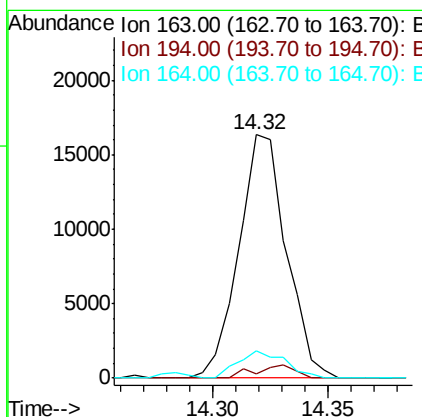
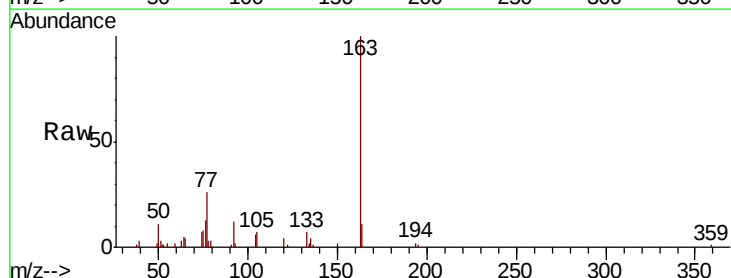
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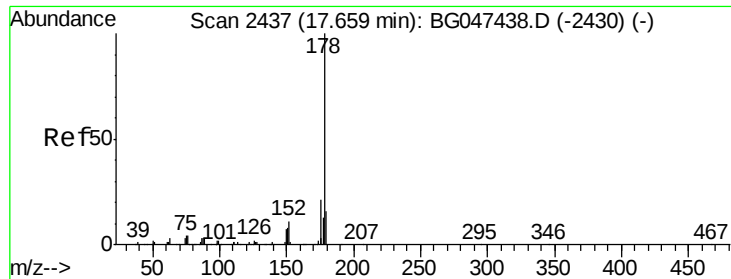
Delta R.T. -0.01 min

Lab File: BG047442.D

Acq: 24 Nov 2020 11:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 23490 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 2.0   | 3.6   | 5.4#  |
| 164      | 11.4  | 8.5   | 12.7  |





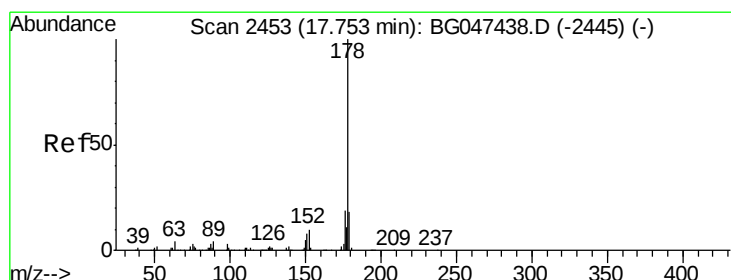
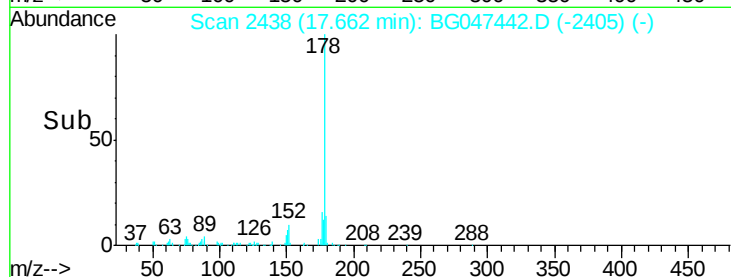
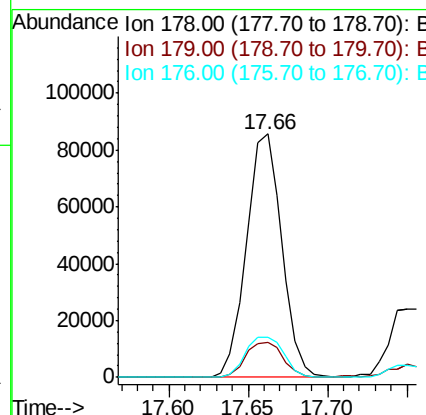
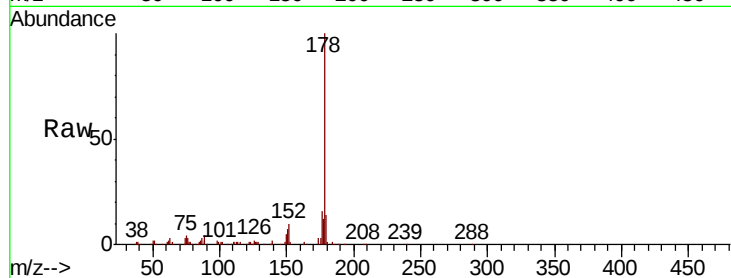
#70  
Phenanthrene  
Concen: 10.869 ng/ul  
RT: 17.66 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

Instrument :  
BNA\_G  
ClientSampleId :  
C0B84

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.4  | 11.8  | 17.6  |
| 176     | 16.5  | 13.9  | 20.9  |

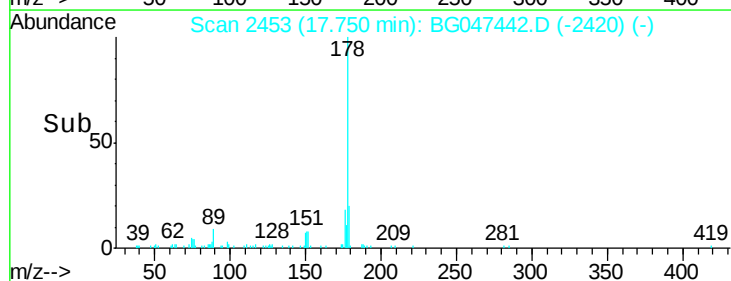
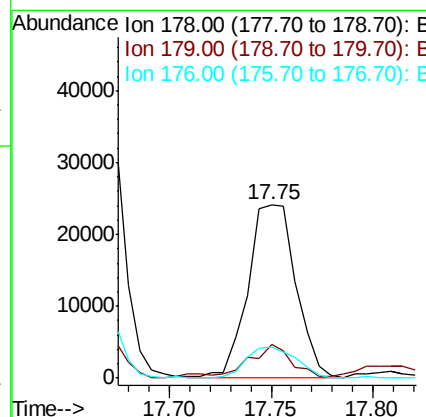
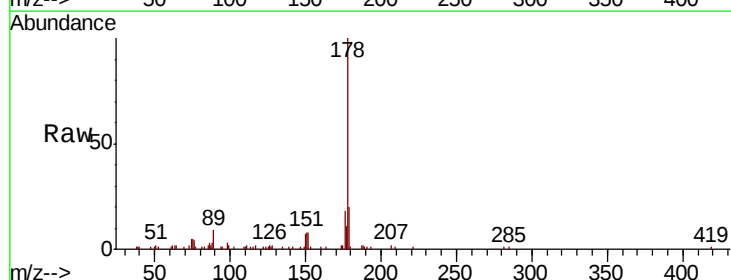
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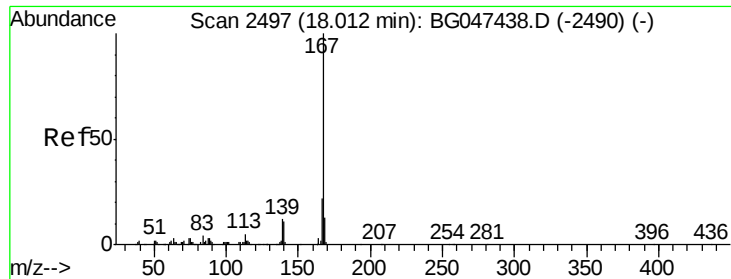
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#72  
Anthracene  
Concen: 3.222 ng/ul m  
RT: 17.75 min Scan# 2453  
Delta R.T. -0.01 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 19.7  | 11.7  | 17.5# |
| 176     | 17.9  | 15.4  | 23.0  |





#75

Carbazole

Concen: 1.098 ng/ul

RT: 18.01 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BG047442.D

Acq: 24 Nov 2020 11:56

Instrument :

BNA\_G

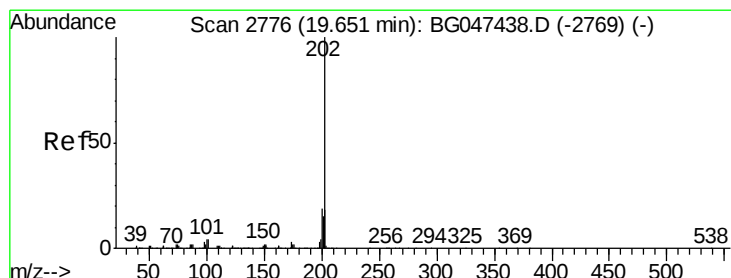
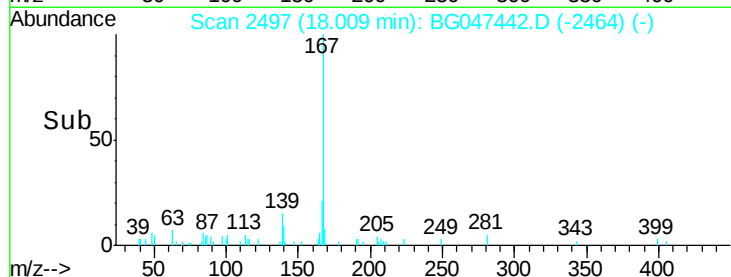
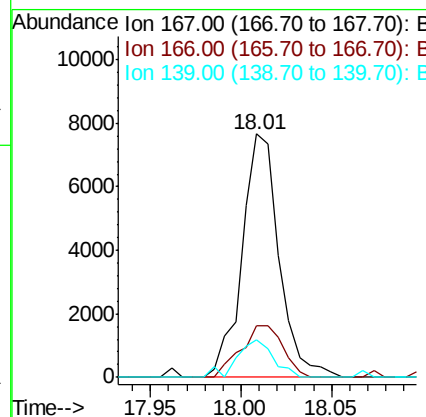
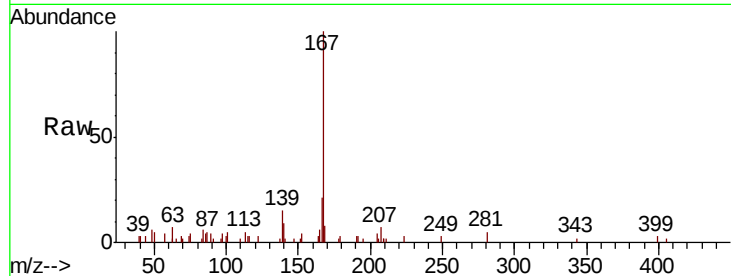
ClientSampleId :

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| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 167     | 100  |       |      |       |       |
| 166     | 21.2 |       | 19.2 | 28.8  |       |
| 139     | 15.3 |       | 10.0 | 15.0  |       |

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#77

Fluoranthene

Concen: 35.473 ng/ul

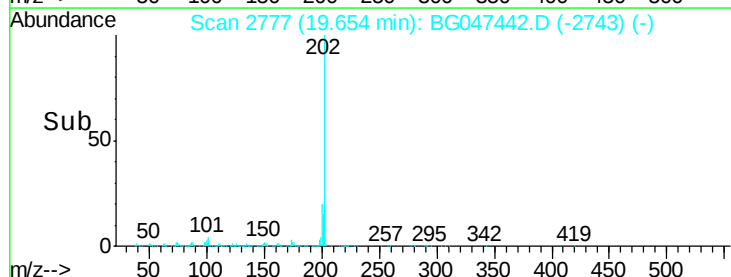
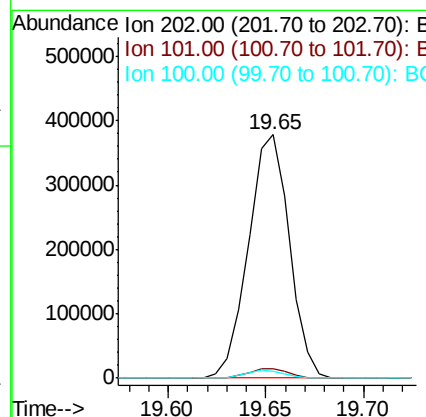
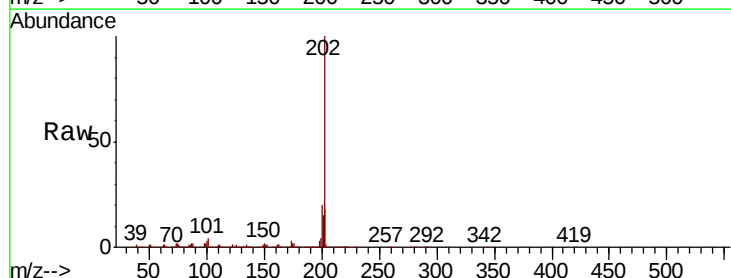
RT: 19.65 min Scan# 2777

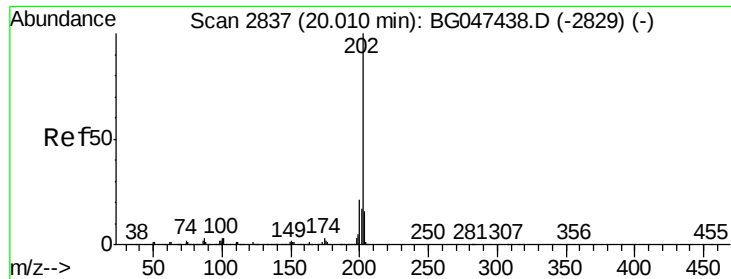
Delta R.T. 0.00 min

Lab File: BG047442.D

Acq: 24 Nov 2020 11:56

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 3.6 |       | 3.0  | 4.6   |       |
| 100     | 2.9 |       | 3.0  | 4.6   |       |





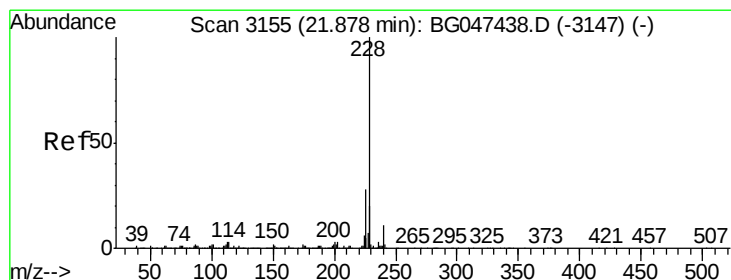
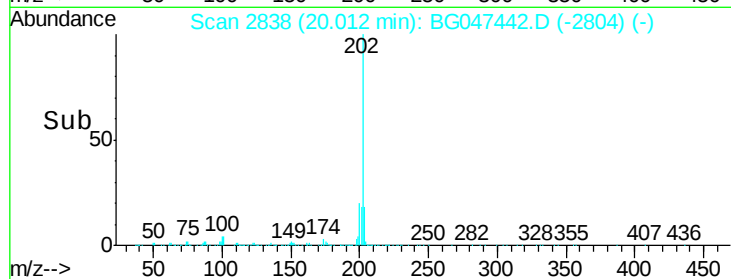
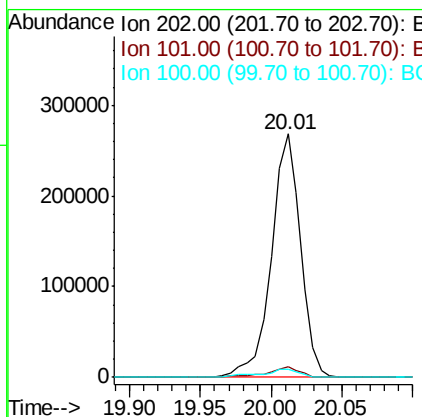
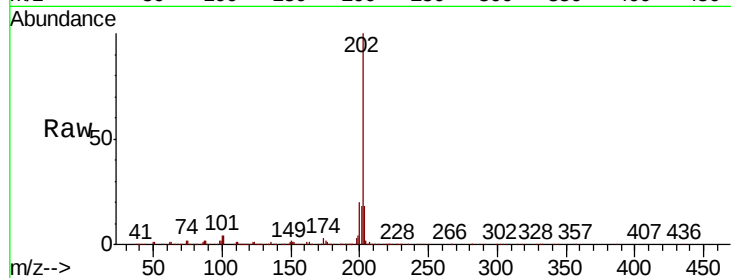
#80  
Pvrene  
Concen: 26.900 ng/ul  
RT: 20.01 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

Instrument :  
BNA\_G  
ClientSampleId :  
C0B84

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 4.4   | 3.5   | 5.3   |
| 100     | 3.6   | 3.4   | 5.0   |

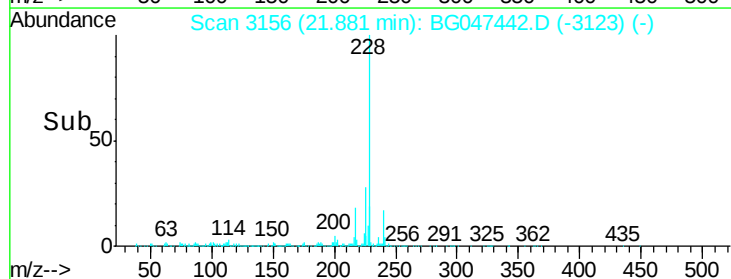
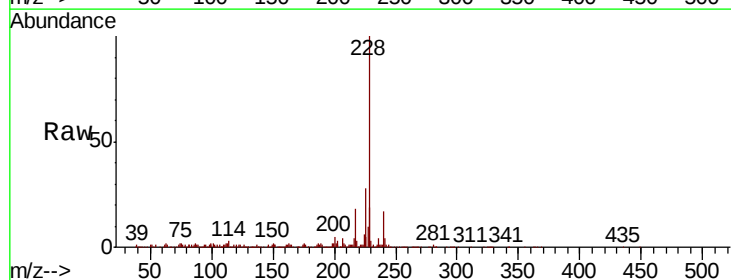
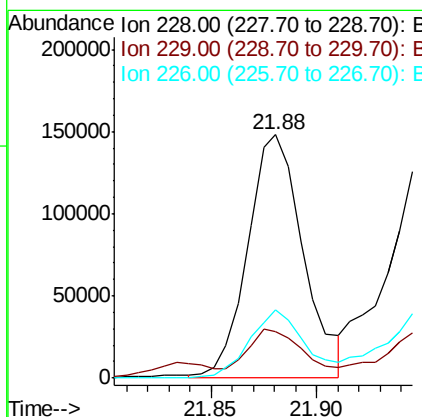
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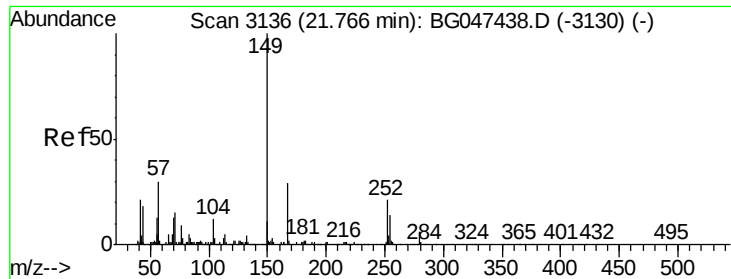
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#83  
Benzo(a)anthracene  
Concen: 18.655 ng/ul  
RT: 21.88 min Scan# 3156  
Delta R.T. -0.01 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.1  | 15.6  | 23.4  |
| 226     | 28.1  | 21.7  | 32.5  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.089 ng/ul

RT: 21.77 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG047442.D

Acq: 24 Nov 2020 11:56

Instrument :

BNA\_G

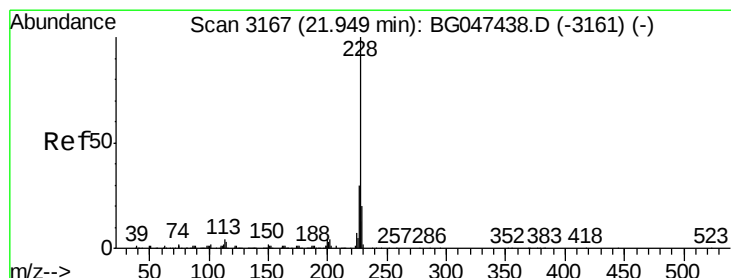
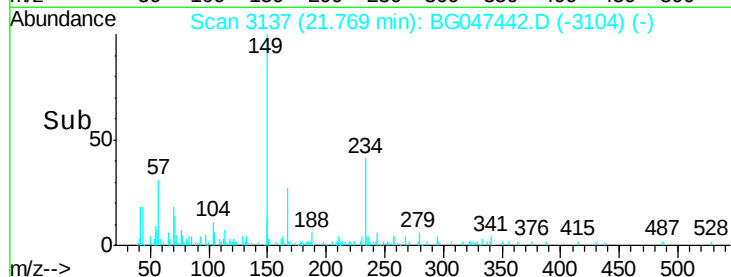
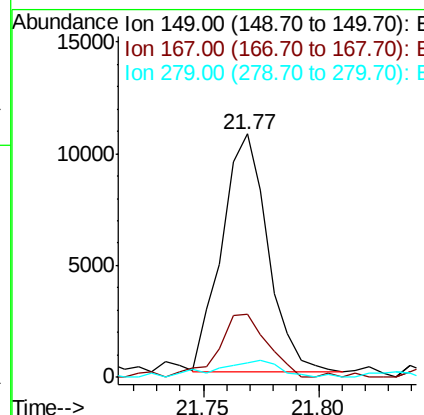
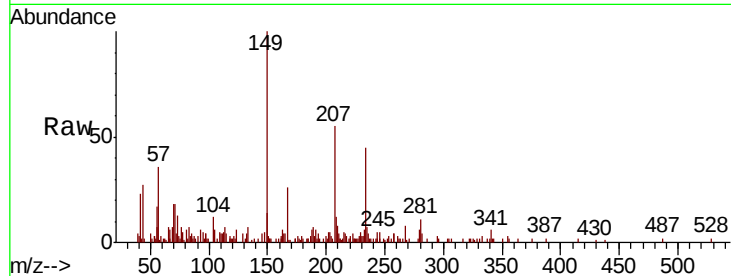
ClientSampled :

C0B84

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 14709 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.8  | 23.4  | 35.2  |
| 279       | 6.1   | 5.9   | 8.9   |

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#85

Chrysene

Concen: 19.369 ng/ul

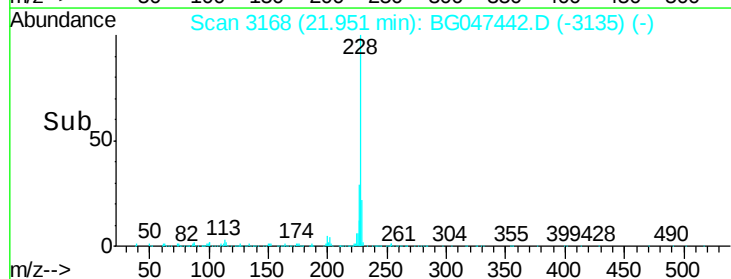
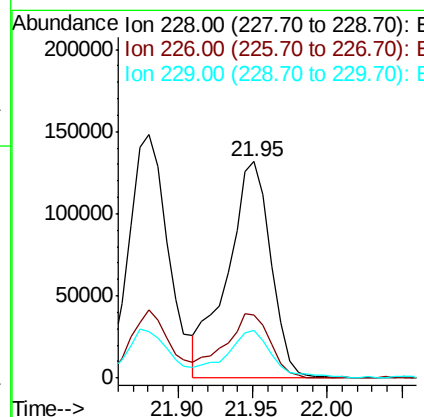
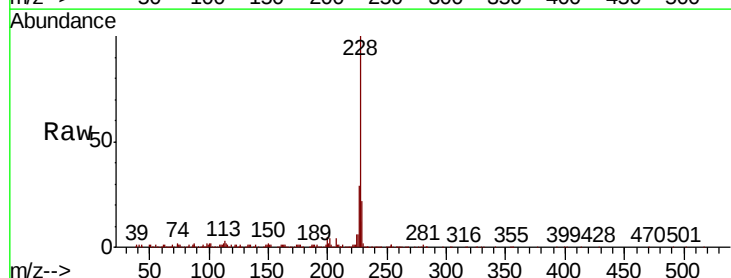
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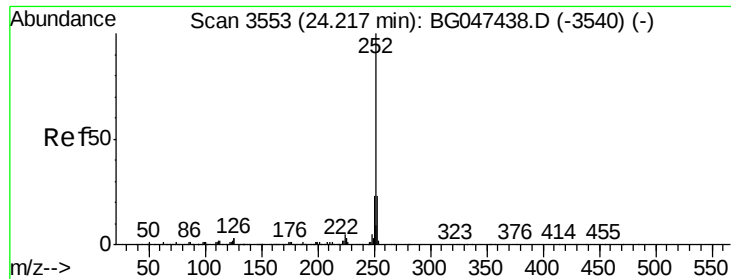
Delta R.T. -0.01 min

Lab File: BG047442.D

Acq: 24 Nov 2020 11:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 266284 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.1  | 22.3  | 33.5   |
| 229       | 22.1  | 16.5  | 24.7   |





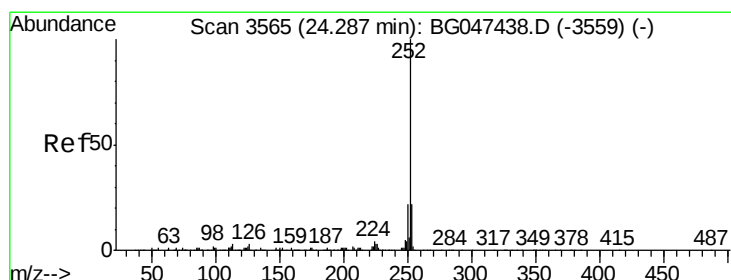
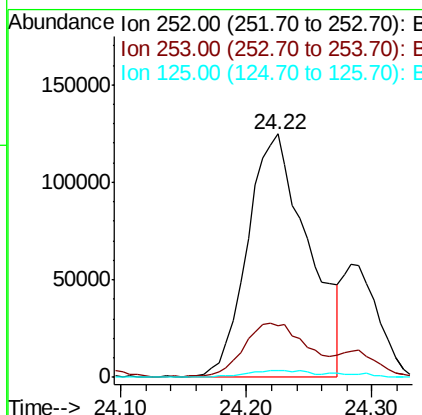
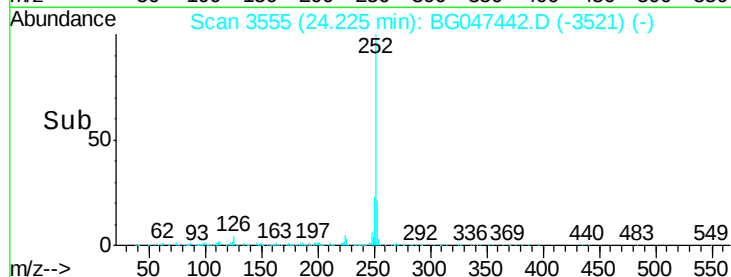
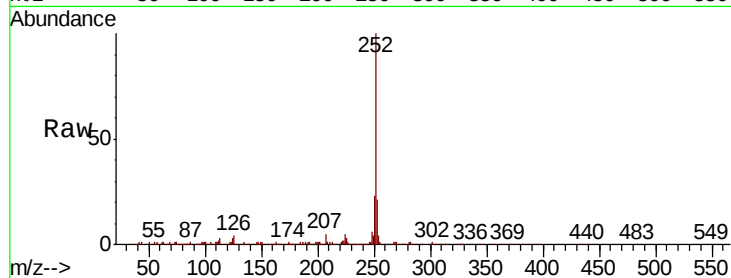
#88  
Benzo(b)fluoranthene  
Concen: 27.531 ng/ul m  
RT: 24.22 min Scan# 3555  
Delta R.T. 0.00 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

Instrument :  
BNA\_G  
ClientSampleId :  
C0B84

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.1  | 16.6  | 25.0  |
| 125     | 2.6   | 2.7   | 4.1#  |

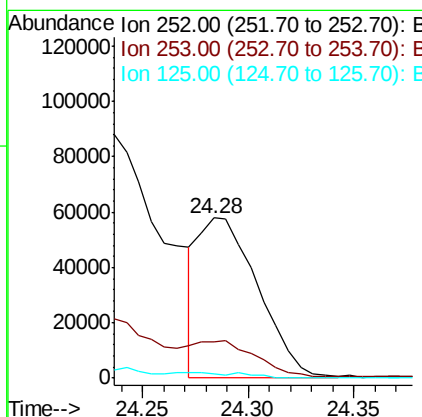
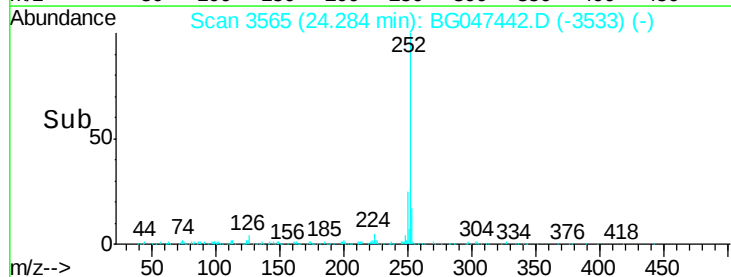
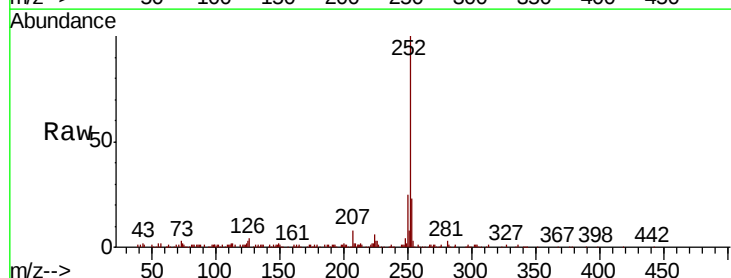
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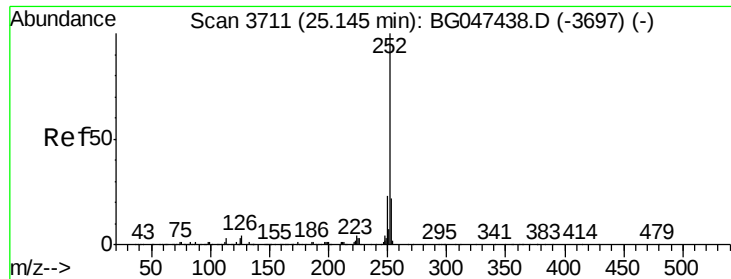
mohammad  
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#89  
Benzo(k)fluoranthene  
Concen: 7.471 ng/ul  
RT: 24.28 min Scan# 3565  
Delta R.T. -0.01 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.2  | 27.4  |
| 125     | 3.0   | 2.2   | 3.2   |





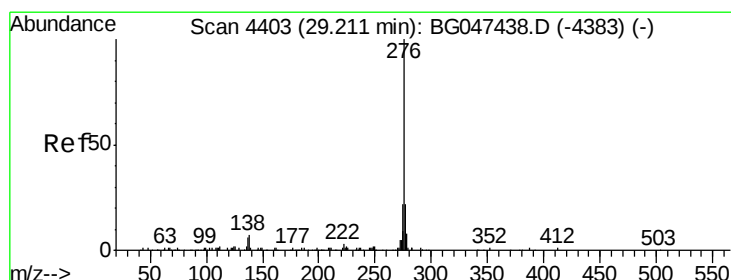
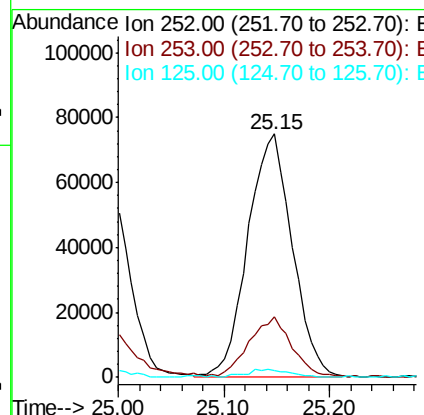
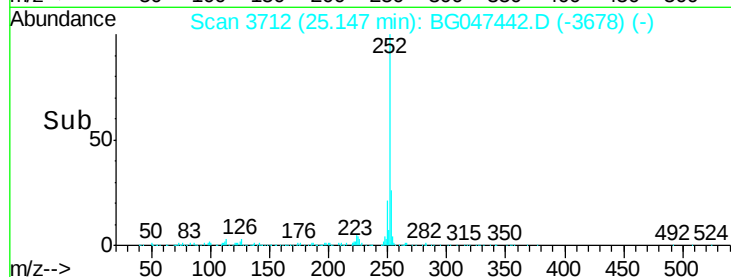
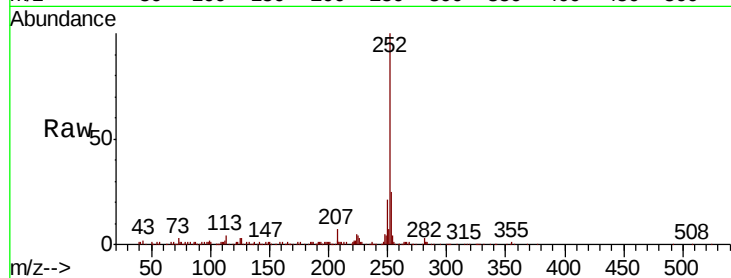
#91  
Benzo(a)pyrene  
Concen: 16.287 ng/ul m  
RT: 25.15 min Scan# 3712  
Delta R.T. 0.00 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

Instrument :  
BNA\_G  
ClientSampleId :  
C0B84

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 18.6  | 27.8  |
| 125     | 2.9   | 3.1   | 4.7#  |

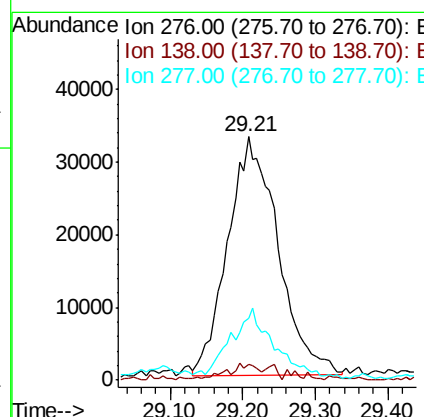
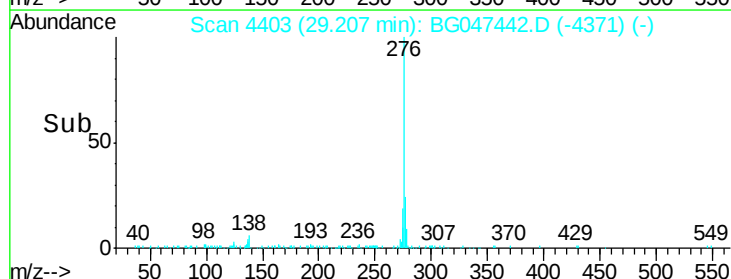
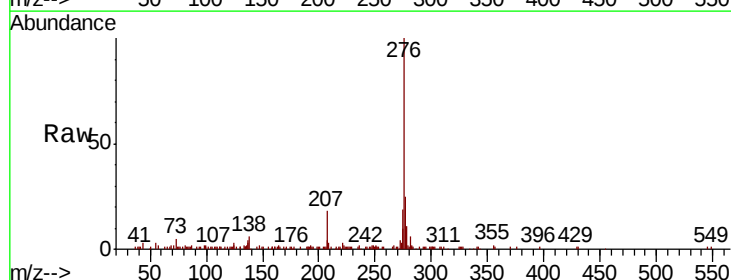
Manual Integrations  
APPROVED

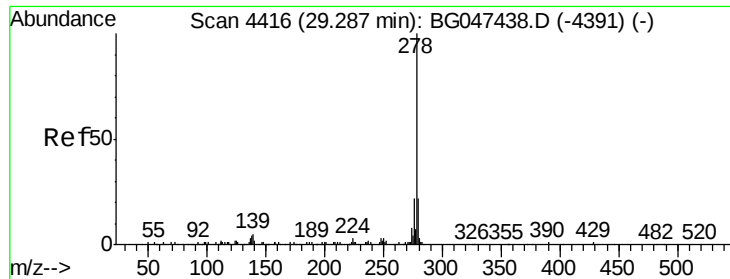
mohammad  
11/25/2020 12:48:08 PM



#92  
Indeno(1,2,3-cd)pyrene  
Concen: 9.645 ng/ul  
RT: 29.21 min Scan# 4403  
Delta R.T. -0.01 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 6.4   | 5.0   | 7.6   |
| 277     | 25.2  | 16.5  | 24.7# |





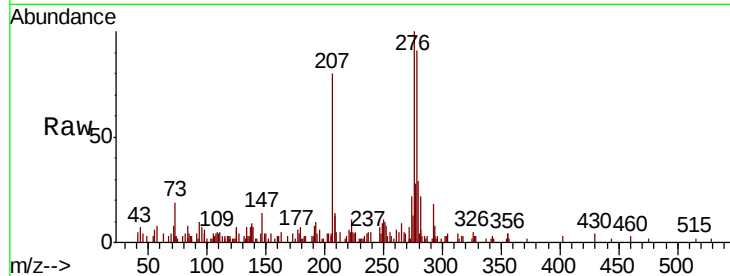
#93  
Dibenzo(a,h)anthracene  
Concen: 3.168 ng/ul m  
RT: 29.27 min Scan# 4414  
Delta R.T. -0.02 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

Instrument :  
BNA\_G  
ClientSampleId :  
C0B84

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 7.2   | 4.6   | 7.0#  |
| 279     | 32.0  | 18.2  | 27.2# |

Manual Integrations  
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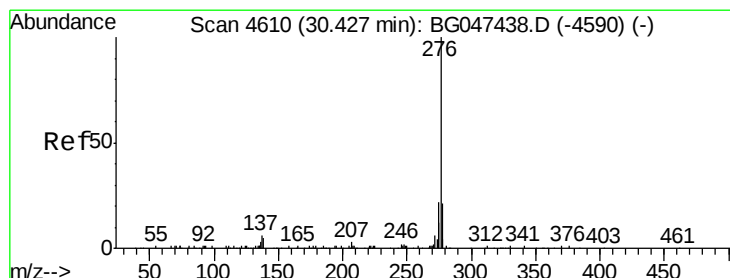
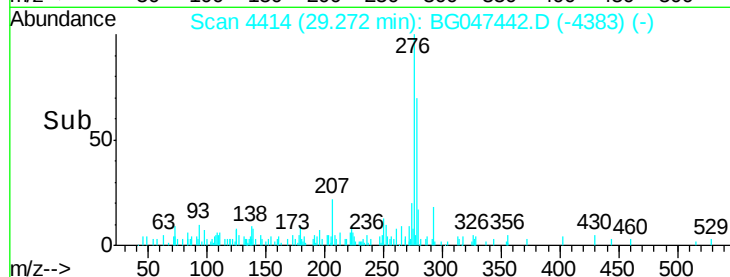
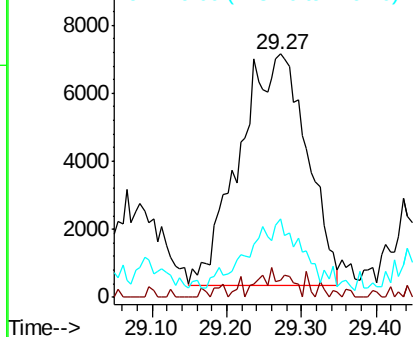


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94  
Benzo(g,h,i)perylene  
Concen: 8.191 ng/ul m  
RT: 30.45 min Scan# 4615  
Delta R.T. 0.01 min  
Lab File: BG047442.D  
Acq: 24 Nov 2020 11:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 7.9   | 5.8   | 8.6   |
| 277     | 20.9  | 17.4  | 26.2  |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

