

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
 Data File : BG047423.D  
 Acq On : 23 Nov 2020 19:12  
 Operator : CG/JU  
 Sample : L4749-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B12

Manual Integrations  
 APPROVED

mohammad  
 11/25/2020 12:47:19 PM

Quant Time: Nov 24 06:09:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 24 00:48:19 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 35742    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.10 | 136  | 143231   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.89 | 164  | 104899   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.62 | 188  | 237856m  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.90 | 240  | 209577   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.31 | 264  | 217088   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 1225   | 1.25  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.40  | 99  | 36139  | 10.08 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.59  | 67  | 21540  | 10.54 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.80  | 132 | 28458  | 11.84 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.97  | 113 | 24810  | 9.01  | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.44  | 128 | 15020  | 12.70 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.17 | 143 | 16316  | 12.64 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.70 | 165 | 37566  | 12.71 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 22955  | 7.68  | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 14.28 | 166 | 113912 | 12.65 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.58 | 160 | 138282 | 13.29 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.04 | 143 | 13493  | 9.82  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.87 | 176 | 103936 | 12.60 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 8686   | 6.42  | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.72 | 188 | 157004 | 13.31 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.98 | 212 | 175281 | 14.37 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 25.08 | 264 | 168411 | 13.48 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 6) Phenol                      | 7.44  | 94  | 5858    | 1.706  | ng/ul# | 83 |
| 45) Dimethylphthalate          | 14.32 | 163 | 17795   | 1.937  | ng/ul# | 93 |
| 70) Phenanthrene               | 17.66 | 178 | 169549  | 13.200 | ng/ul  | 96 |
| 75) Carbazole                  | 18.01 | 167 | 14386   | 1.379  | ng/ul  | 97 |
| 77) Fluoranthene               | 19.65 | 202 | 564375  | 34.791 | ng/ul  | 99 |
| 80) Pyrene                     | 20.01 | 202 | 451065  | 30.384 | ng/ul  | 98 |
| 81) Butylbenzylphthalate       | 20.88 | 149 | 23249   | 4.459  | ng/ul# | 79 |
| 83) Benzo(a)anthracene         | 21.89 | 228 | 198059  | 13.282 | ng/ul  | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 14576   | 2.006  | ng/ul  | 93 |
| 85) Chrysene                   | 21.95 | 228 | 295384  | 20.816 | ng/ul  | 96 |
| 88) Benzo(b)fluoranthene       | 24.22 | 252 | 448721  | 29.275 | ng/ul  | 94 |
| 89) Benzo(k)fluoranthene       | 24.29 | 252 | 129574m | 8.578  | ng/ul  |    |
| 91) Benzo(a)pyrene             | 25.15 | 252 | 251644m | 18.417 | ng/ul  |    |
| 92) Indeno(1,2,3-cd)pyrene     | 29.22 | 276 | 197614  | 11.890 | ng/ul  | 98 |
| 93) Dibenzo(a,h)anthracene     | 29.25 | 278 | 45769m  | 3.359  | ng/ul  |    |
| 94) Benzo(g,h,i)perylene       | 30.45 | 276 | 174679  | 12.737 | ng/ul  | 94 |

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

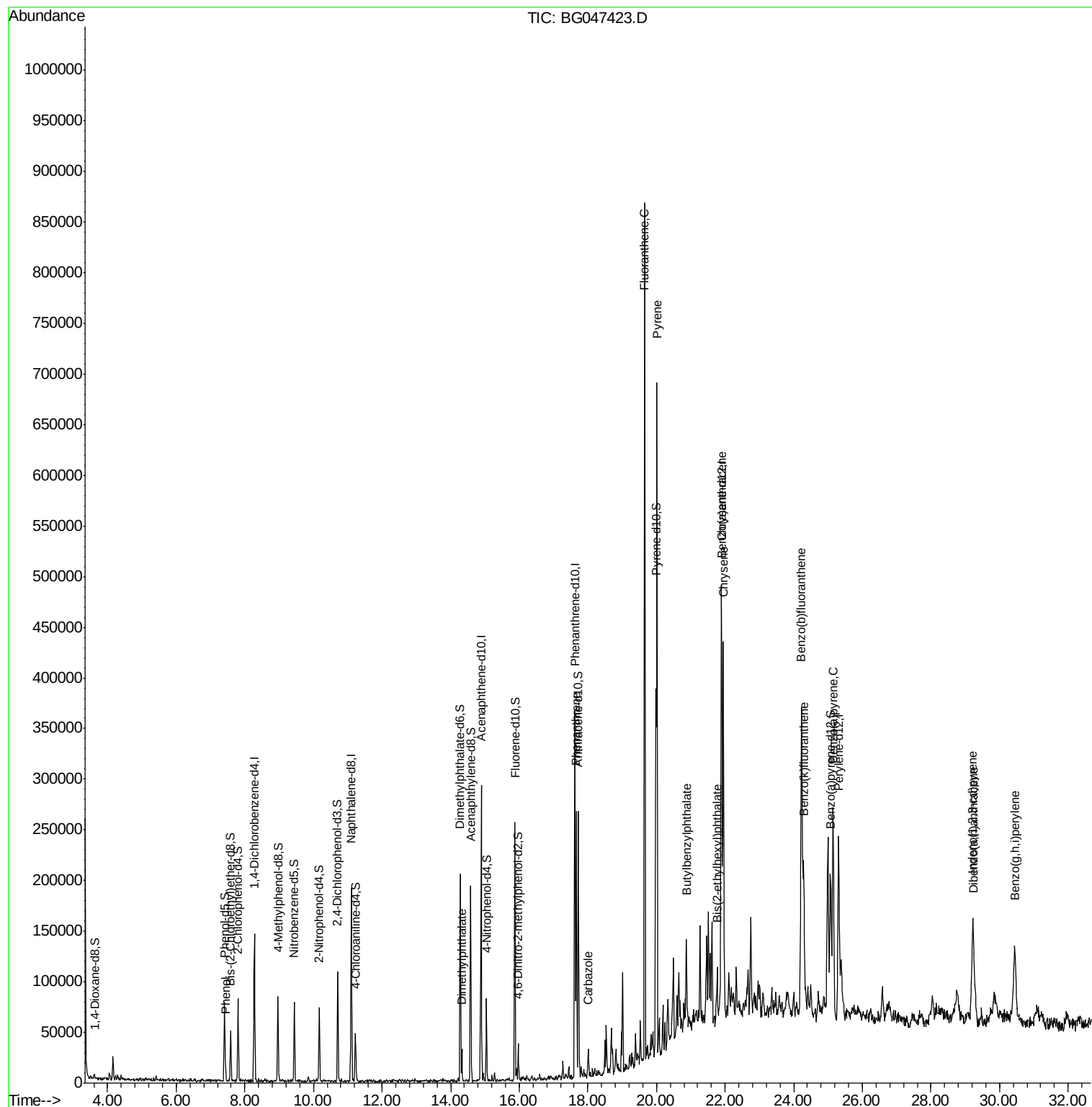
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
Data File : BG047423.D  
Acq On : 23 Nov 2020 19:12  
Operator : CG/JU  
Sample : L4749-13  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

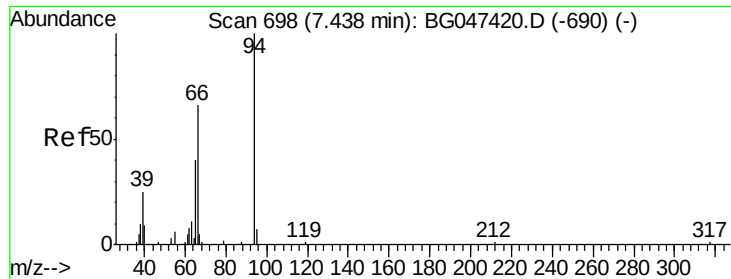
Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Nov 24 06:09:45 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 24 00:48:19 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 1.706 ng/ul

RT: 7.44 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

Instrument :

BNA\_G

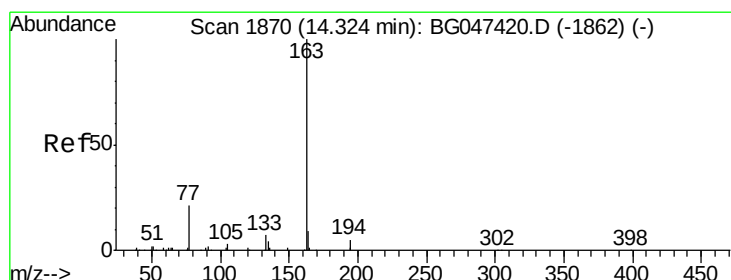
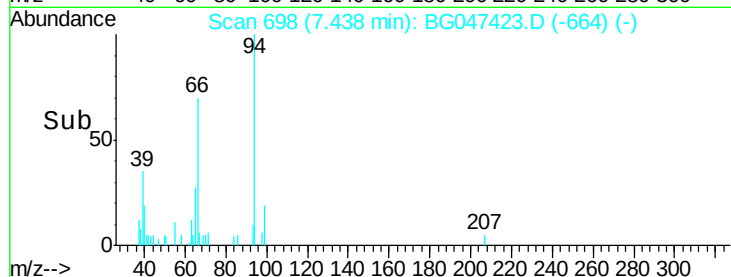
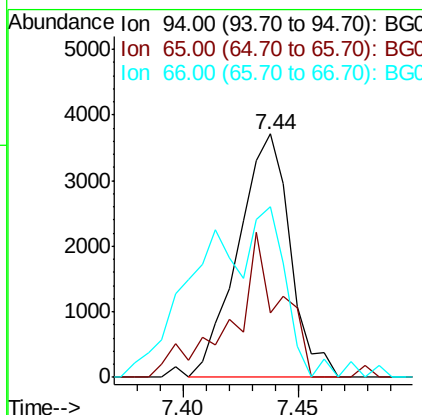
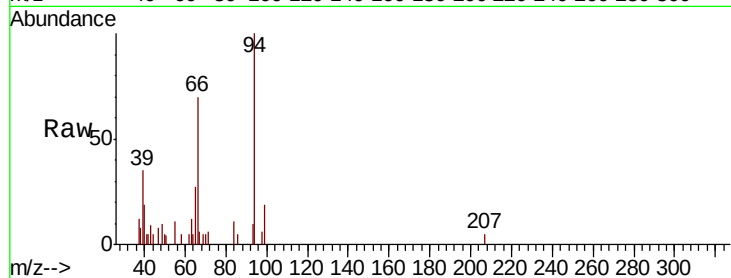
ClientSampleId :

C0B12

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 5858  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 26.5  | 37.8  | 56.8# |
| 66       | 70.1  | 51.6  | 77.4  |

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#45

Dimethylphthalate

Concen: 1.937 ng/ul

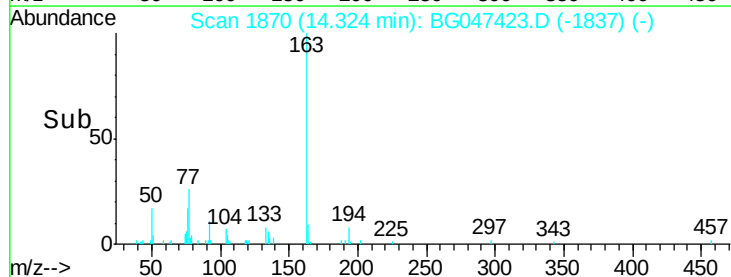
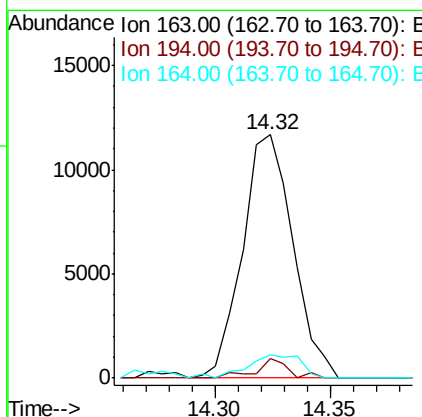
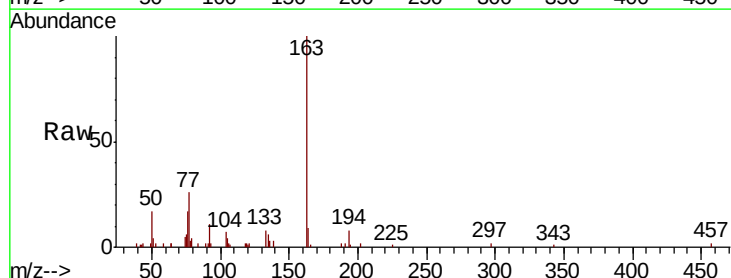
RT: 14.32 min Scan# 1870

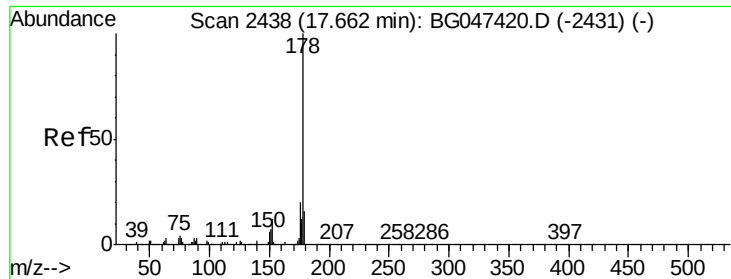
Delta R.T. -0.01 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 17795 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 9.3   | 3.6   | 5.4#  |
| 164      | 9.4   | 8.5   | 12.7  |





#70

Phenanthrene

Concen: 13.200 ng/ul

RT: 17.66 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

Instrument :

BNA\_G

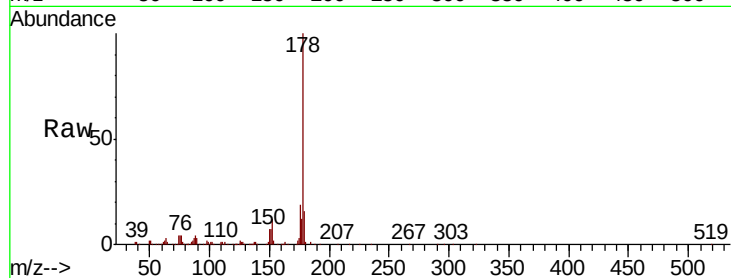
ClientSampled :

C0B12

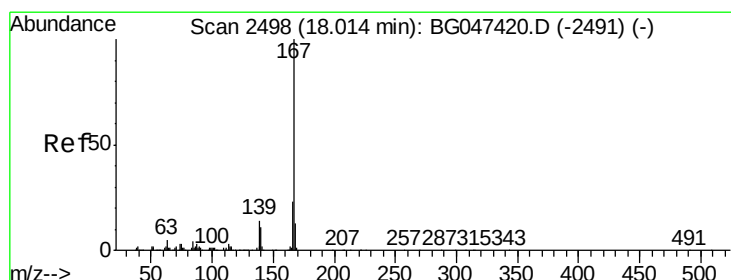
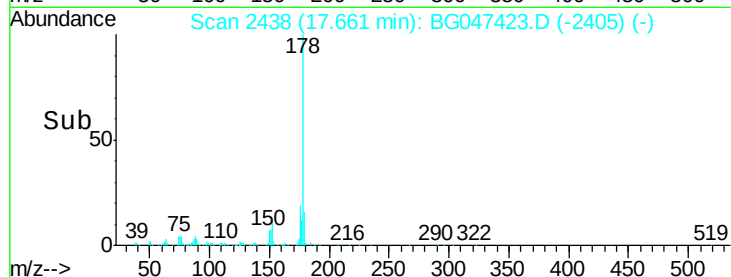
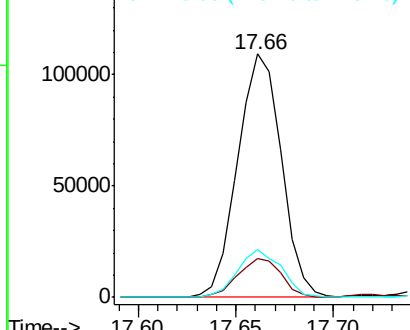
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 169549 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.7  | 11.8  | 17.6   |
| 176       | 19.4  | 13.9  | 20.9   |

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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



#75

Carbazole

Concen: 1.379 ng/ul

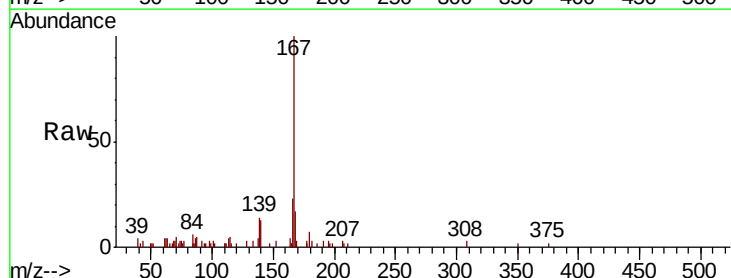
RT: 18.01 min Scan# 2497

Delta R.T. -0.01 min

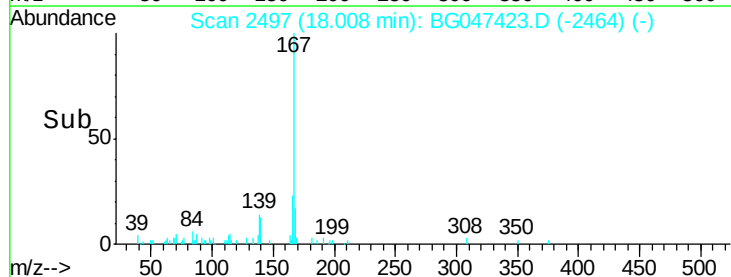
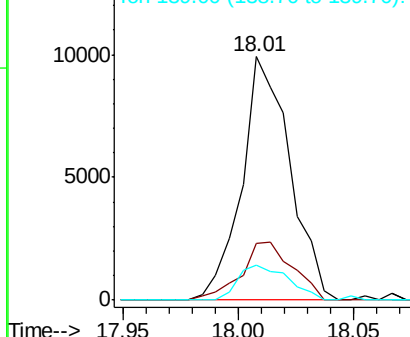
Lab File: BG047423.D

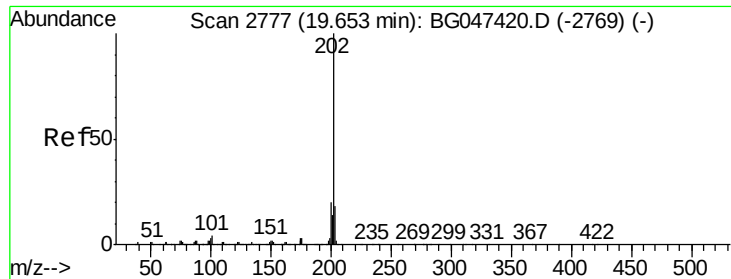
Acq: 23 Nov 2020 19:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 14386 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 23.2  | 19.2  | 28.8  |
| 139       | 14.5  | 10.0  | 15.0  |



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 34.791 ng/ul

RT: 19.65 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

Instrument :

BNA\_G

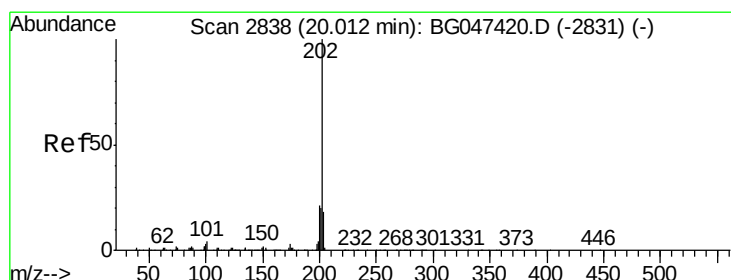
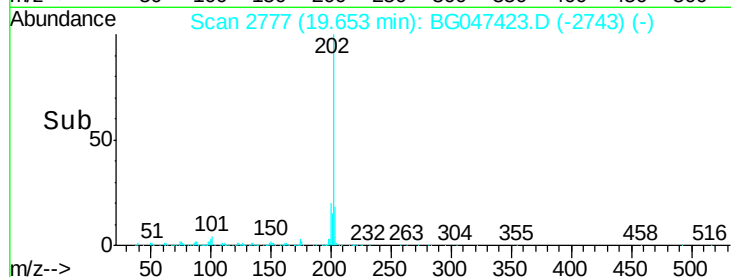
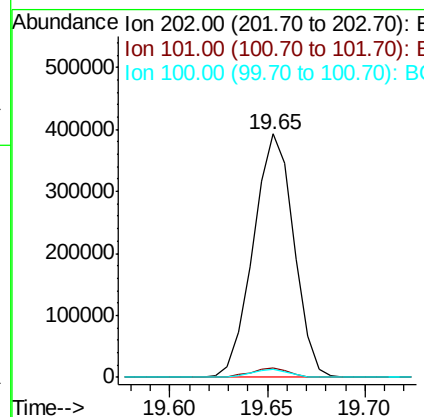
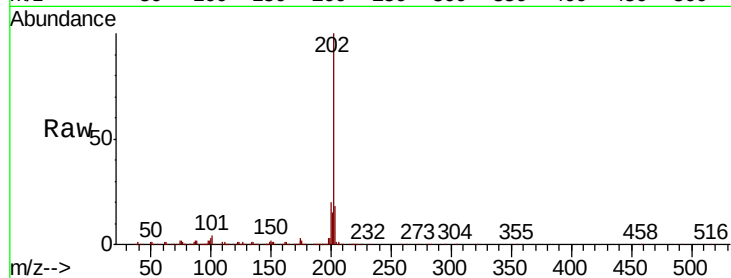
ClientSampleId :

C0B12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 564375 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 3.7   | 3.0   | 4.6    |
| 100       | 3.3   | 3.0   | 4.6    |

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#80

Pyrene

Concen: 30.384 ng/ul

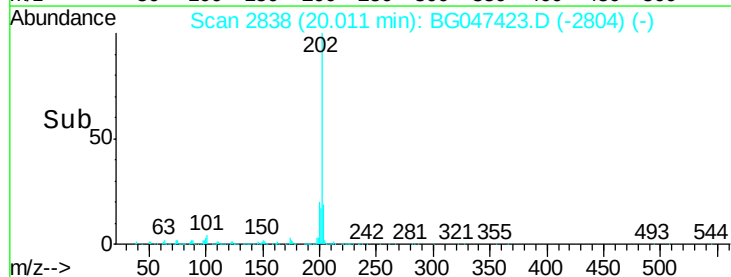
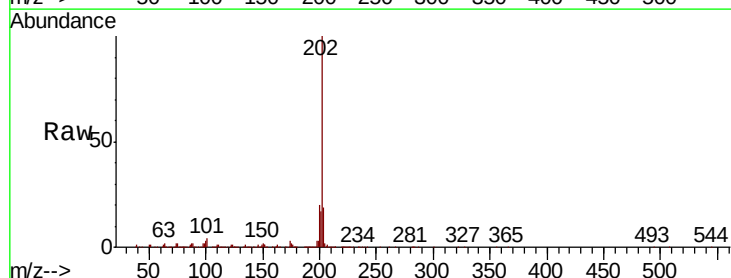
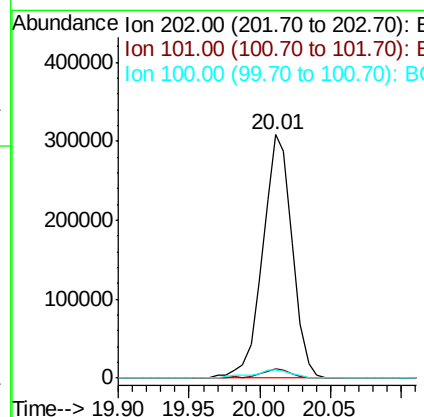
RT: 20.01 min Scan# 2838

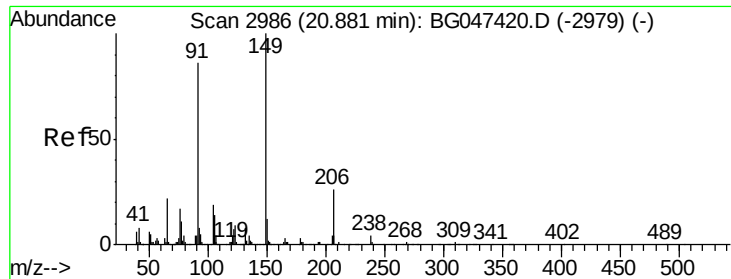
Delta R.T. -0.00 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 451065 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 3.8   | 3.5   | 5.3    |
| 100       | 3.5   | 3.4   | 5.0    |





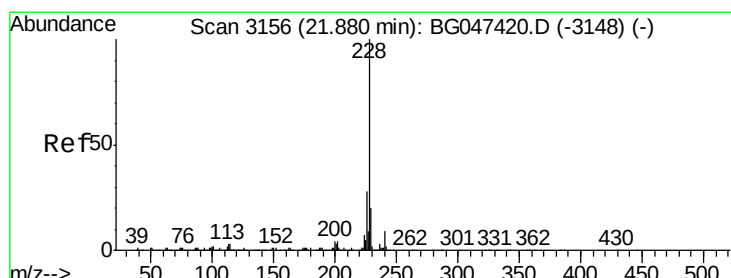
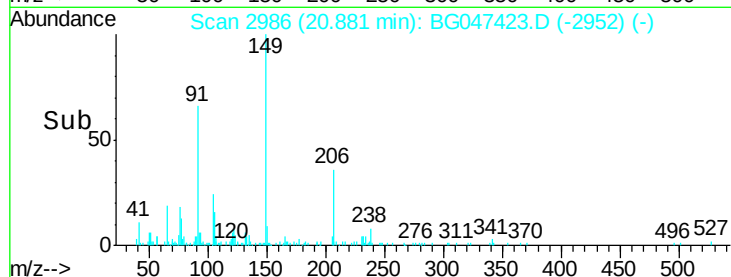
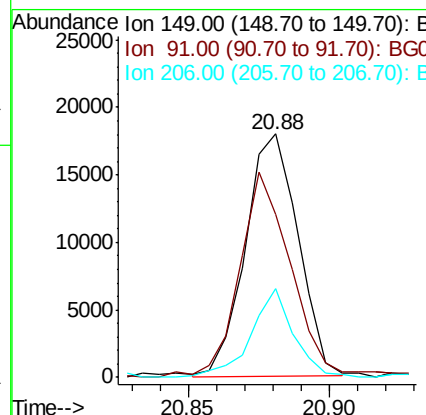
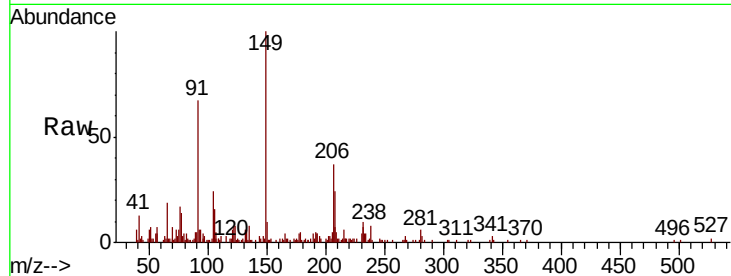
#81  
Butylbenzylphthalate  
Concen: 4.459 ng/ul  
RT: 20.88 min Scan# 2986  
Delta R.T. -0.00 min  
Lab File: BG047423.D  
Acq: 23 Nov 2020 19:12

Instrument :  
BNA\_G  
ClientSampleId :  
C0B12

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 149     | 100   |       |        |
| 91      | 67.1  | 67.9  | 101.9# |
| 206     | 36.7  | 19.3  | 28.9#  |

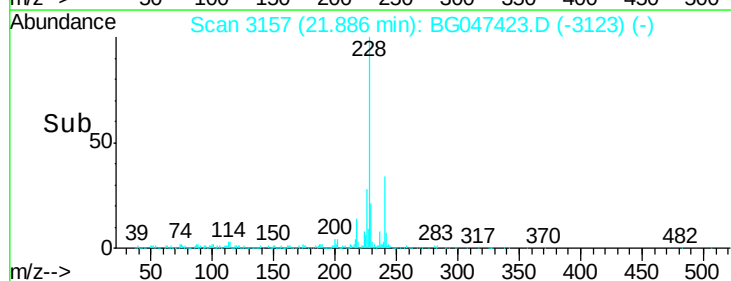
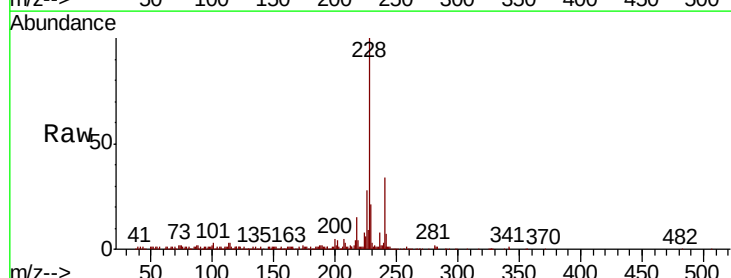
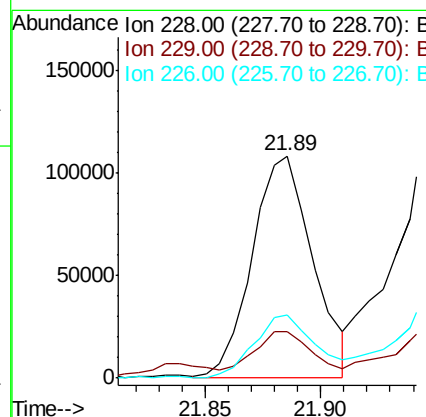
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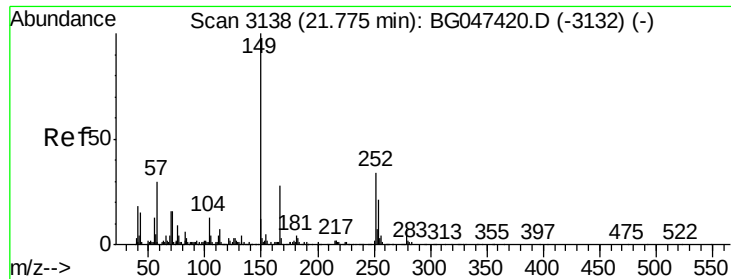
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#83  
Benzo(a)anthracene  
Concen: 13.282 ng/ul  
RT: 21.89 min Scan# 3157  
Delta R.T. -0.00 min  
Lab File: BG047423.D  
Acq: 23 Nov 2020 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.2  | 15.6  | 23.4  |
| 226     | 28.3  | 21.7  | 32.5  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.006 ng/ul

RT: 21.77 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

Instrument :

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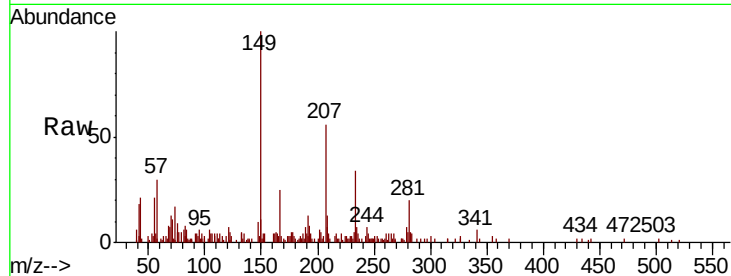
ClientSampled :

C0B12

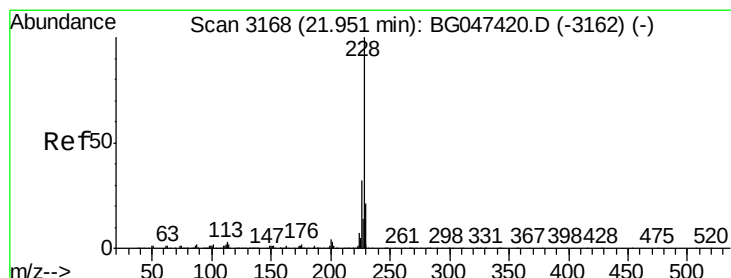
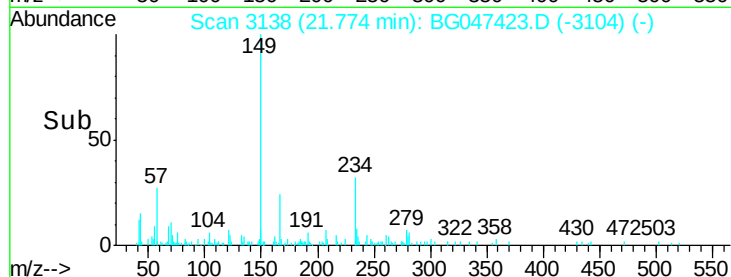
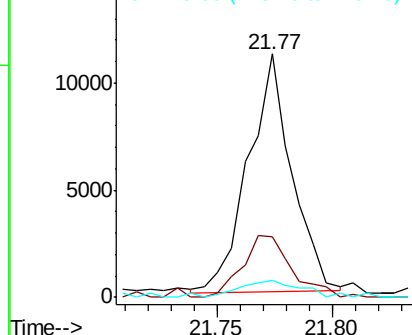
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 14576 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.0  | 23.4  | 35.2  |
| 279       | 7.2   | 5.9   | 8.9   |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 20.816 ng/ul

RT: 21.95 min Scan# 3168

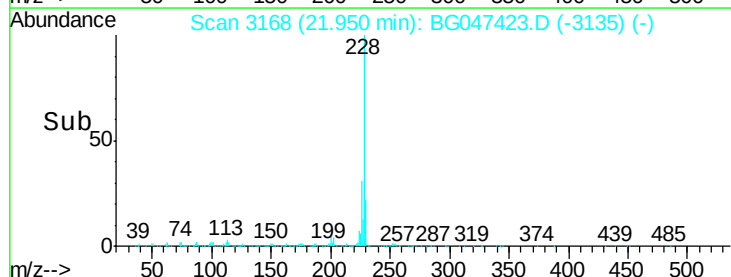
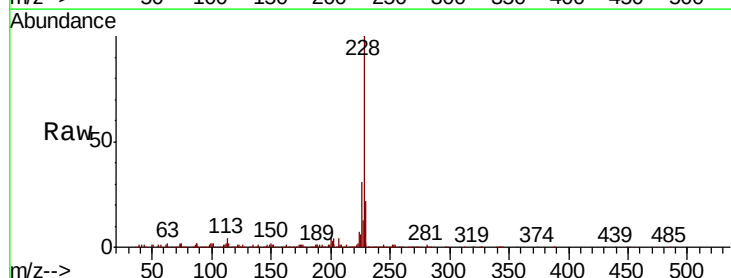
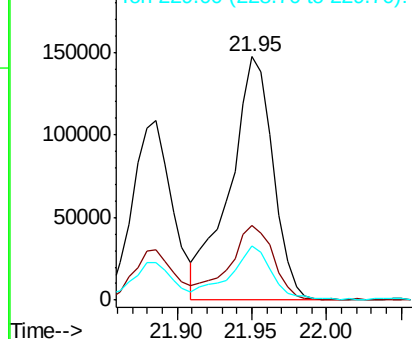
Delta R.T. -0.01 min

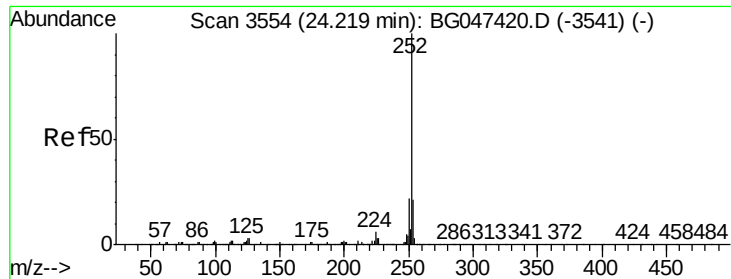
Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 295384 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.6  | 22.3  | 33.5   |
| 229       | 22.3  | 16.5  | 24.7   |

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





#88

Benzo(b)fluoranthene

Concen: 29.275 ng/ul

RT: 24.22 min Scan# 3555

Delta R.T. -0.00 min

Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

Instrument :

BNA\_G

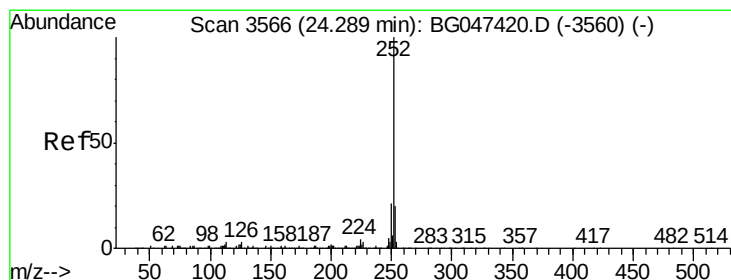
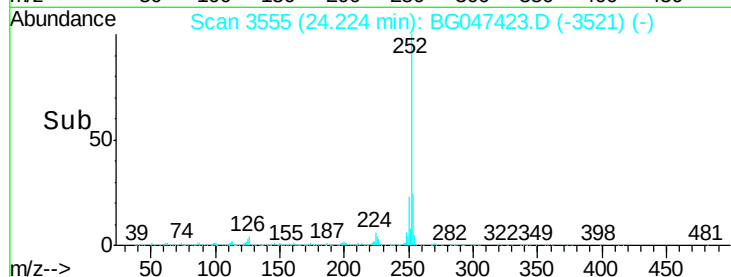
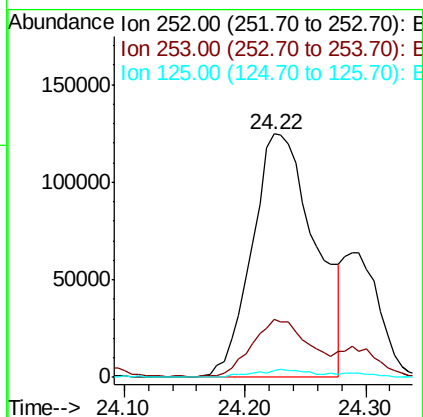
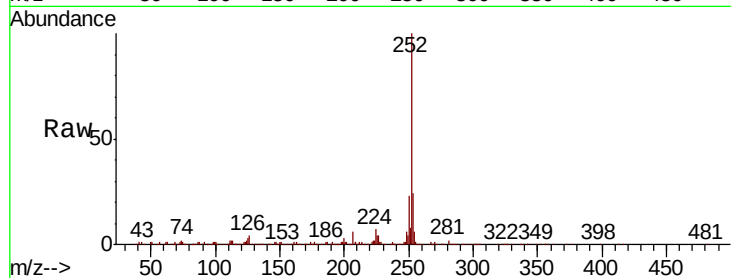
ClientSampleId :

C0B12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 448721 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.0  | 16.6  | 25.0   |
| 125       | 3.0   | 2.7   | 4.1    |

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11/25/2020 12:47:19 PM



#89

Benzo(k)fluoranthene

Concen: 8.578 ng/ul m

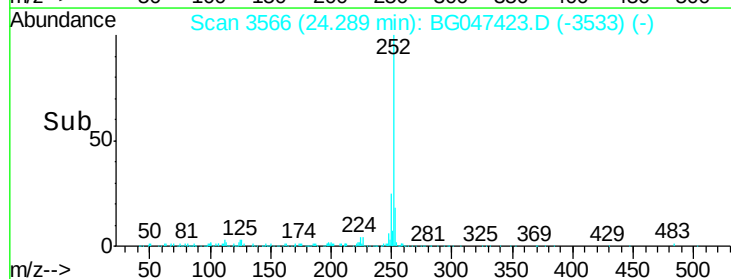
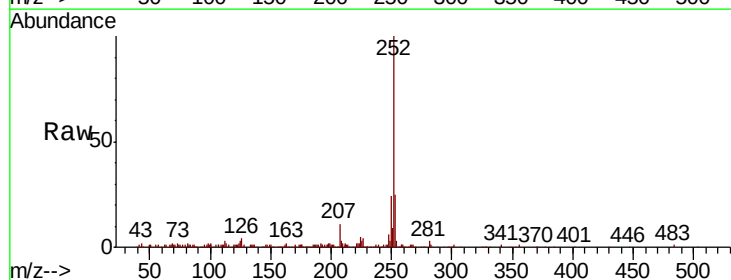
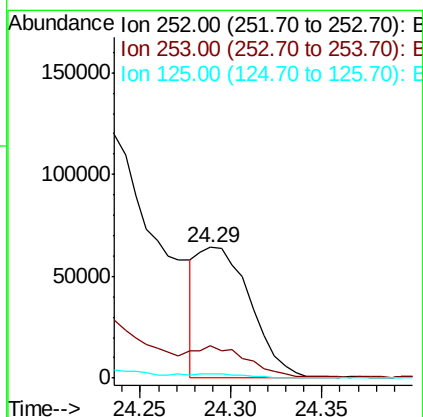
RT: 24.29 min Scan# 3566

Delta R.T. -0.01 min

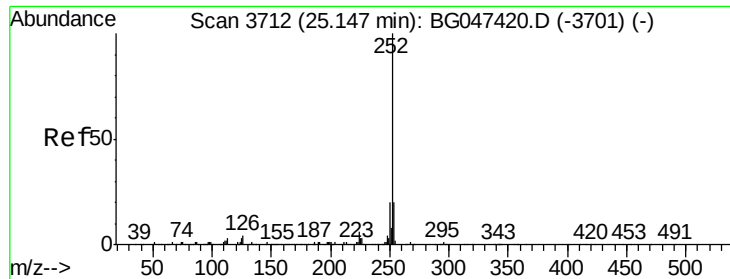
Lab File: BG047423.D

Acq: 23 Nov 2020 19:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 129574 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.6  | 18.2  | 27.4   |
| 125       | 3.3   | 2.2   | 3.2#   |







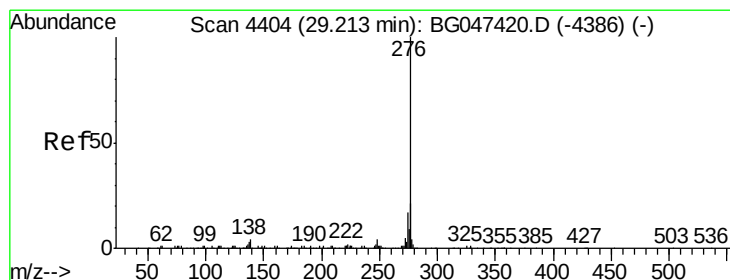
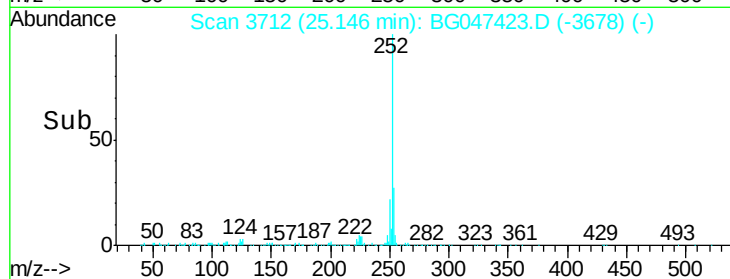
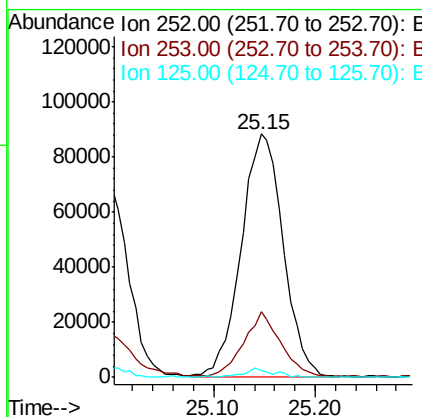
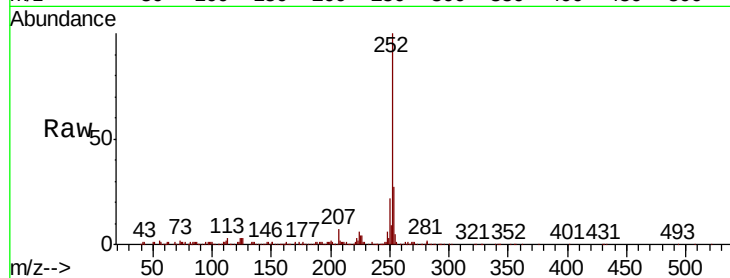
#91  
Benzo(a)pyrene  
Concen: 18.417 ng/ul m  
RT: 25.15 min Scan# 3712  
Delta R.T. -0.00 min  
Lab File: BG047423.D  
Acq: 23 Nov 2020 19:12

Instrument :  
BNA\_G  
ClientSampled :  
C0B12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.9  | 18.6  | 27.8  |
| 125     | 2.9   | 3.1   | 4.7#  |

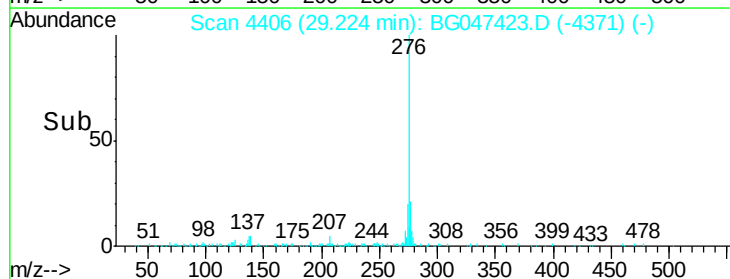
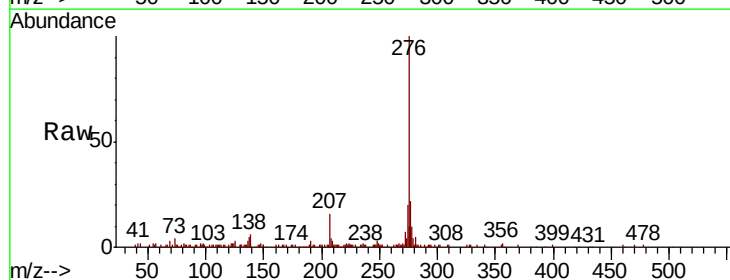
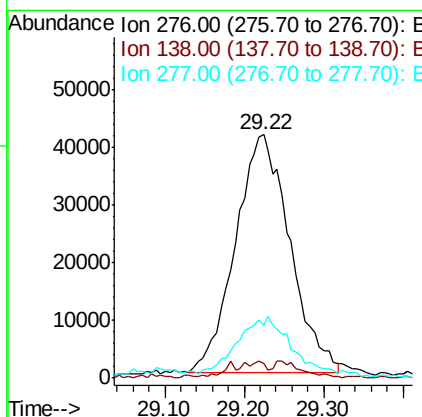
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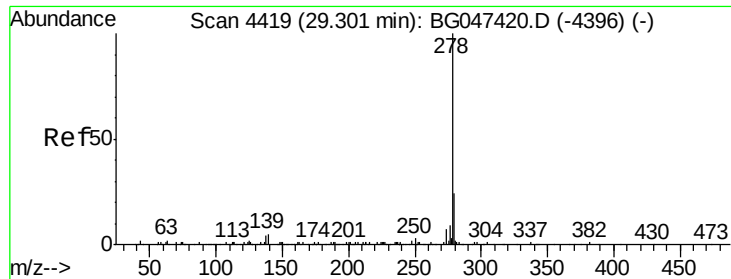
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#92  
Indeno(1,2,3-cd)pyrene  
Concen: 11.890 ng/ul  
RT: 29.22 min Scan# 4406  
Delta R.T. 0.01 min  
Lab File: BG047423.D  
Acq: 23 Nov 2020 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 6.0   | 5.0   | 7.6   |
| 277     | 21.8  | 16.5  | 24.7  |





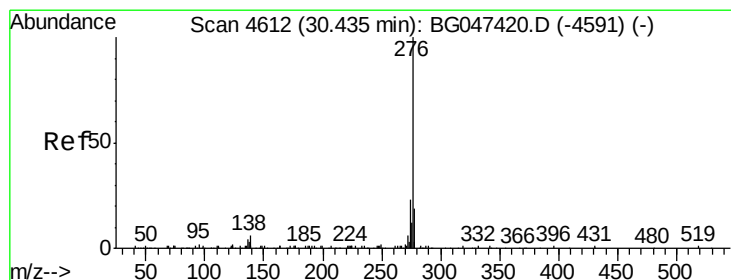
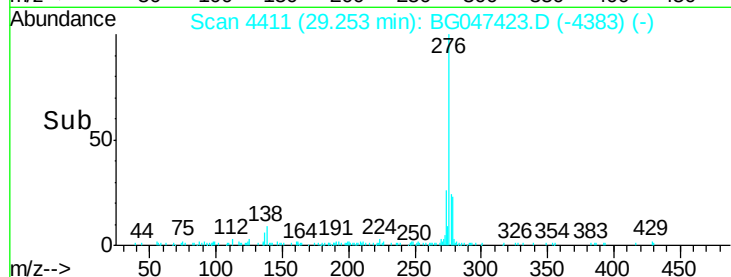
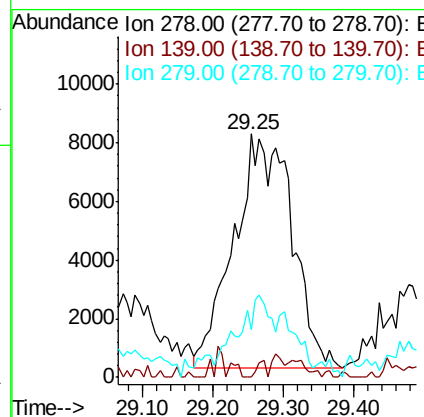
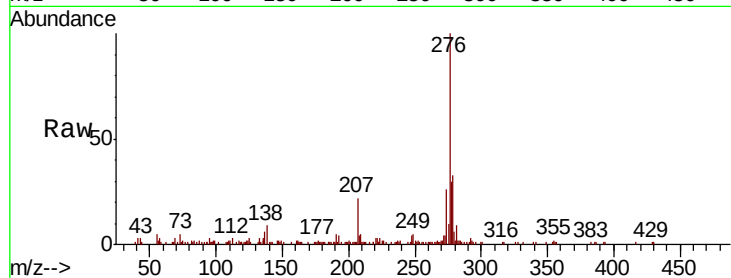
#93  
Dibenzo(a,h)anthracene  
Concen: 3.359 ng/ul m  
RT: 29.25 min Scan# 4411  
Delta R.T. -0.04 min  
Lab File: BG047423.D  
Acq: 23 Nov 2020 19:12

Instrument :  
BNA\_G  
ClientSampled :  
C0B12

Tot Ion:278 Resp: 45769  
Ion Ratio Lower Upper  
278 100  
139 0.0 4.6 7.0#  
279 19.6 18.2 27.2

Manual Integrations  
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#94  
Benzo(g,h,i)perylene  
Concen: 12.737 ng/ul  
RT: 30.45 min Scan# 4614  
Delta R.T. -0.00 min  
Lab File: BG047423.D  
Acq: 23 Nov 2020 19:12

Tgt Ion:276 Resp: 174679  
Ion Ratio Lower Upper  
276 100  
138 7.2 5.8 8.6  
277 25.4 17.4 26.2

