

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047694.D  
 Acq On : 10 Dec 2020 5:26  
 Operator : CG/JU  
 Sample : L4941-17  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B46

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:44 AM

Quant Time: Dec 10 07:47:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 05:36:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 38234    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.04 | 136  | 148755   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.84 | 164  | 122141   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.57 | 188  | 298836   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.85 | 240  | 265452   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.21 | 264  | 279859   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 1838   | 2.56  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.35  | 99  | 37368  | 11.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.53  | 67  | 20713  | 12.31 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.74  | 132 | 31045  | 12.51 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.91  | 113 | 24943  | 9.60  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 15310  | 12.62 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 17857  | 12.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 37216  | 11.72 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 36323  | 12.46 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 126286 | 11.90 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 155116 | 12.80 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.01 | 143 | 14854  | 9.44  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.82 | 176 | 115942 | 11.87 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 17788  | 8.79  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.67 | 188 | 183407 | 12.30 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.94 | 212 | 223705 | 14.26 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.98 | 264 | 217923 | 13.33 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       | Ovalue |    |
|----------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                  | 7.38  | 94  | 8296   | 2.684 | ng/ul# | 87 |
| 45) Dimethylphthalate      | 14.27 | 163 | 29085  | 2.706 | ng/ul  | 96 |
| 70) Phenanthrene           | 17.62 | 178 | 62178  | 3.839 | ng/ul  | 96 |
| 77) Fluoranthene           | 19.61 | 202 | 140062 | 6.796 | ng/ul# | 99 |
| 80) Pyrene                 | 19.97 | 202 | 112424 | 5.823 | ng/ul  | 99 |
| 83) Benzo(a)anthracene     | 21.83 | 228 | 55004m | 2.900 | ng/ul  |    |
| 85) Chrysene               | 21.89 | 228 | 56291  | 3.145 | ng/ul  | 94 |
| 88) Benzo(b)fluoranthene   | 24.14 | 252 | 71636  | 3.667 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene   | 24.20 | 252 | 30378m | 1.569 | ng/ul  |    |
| 91) Benzo(a)pyrene         | 25.06 | 252 | 46622m | 2.646 | ng/ul  |    |
| 92) Indeno(1,2,3-cd)pyrene | 29.07 | 276 | 35295  | 1.643 | ng/ul# | 93 |
| 94) Benzo(g,h,i)perylene   | 30.27 | 276 | 30968m | 1.756 | ng/ul  |    |

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

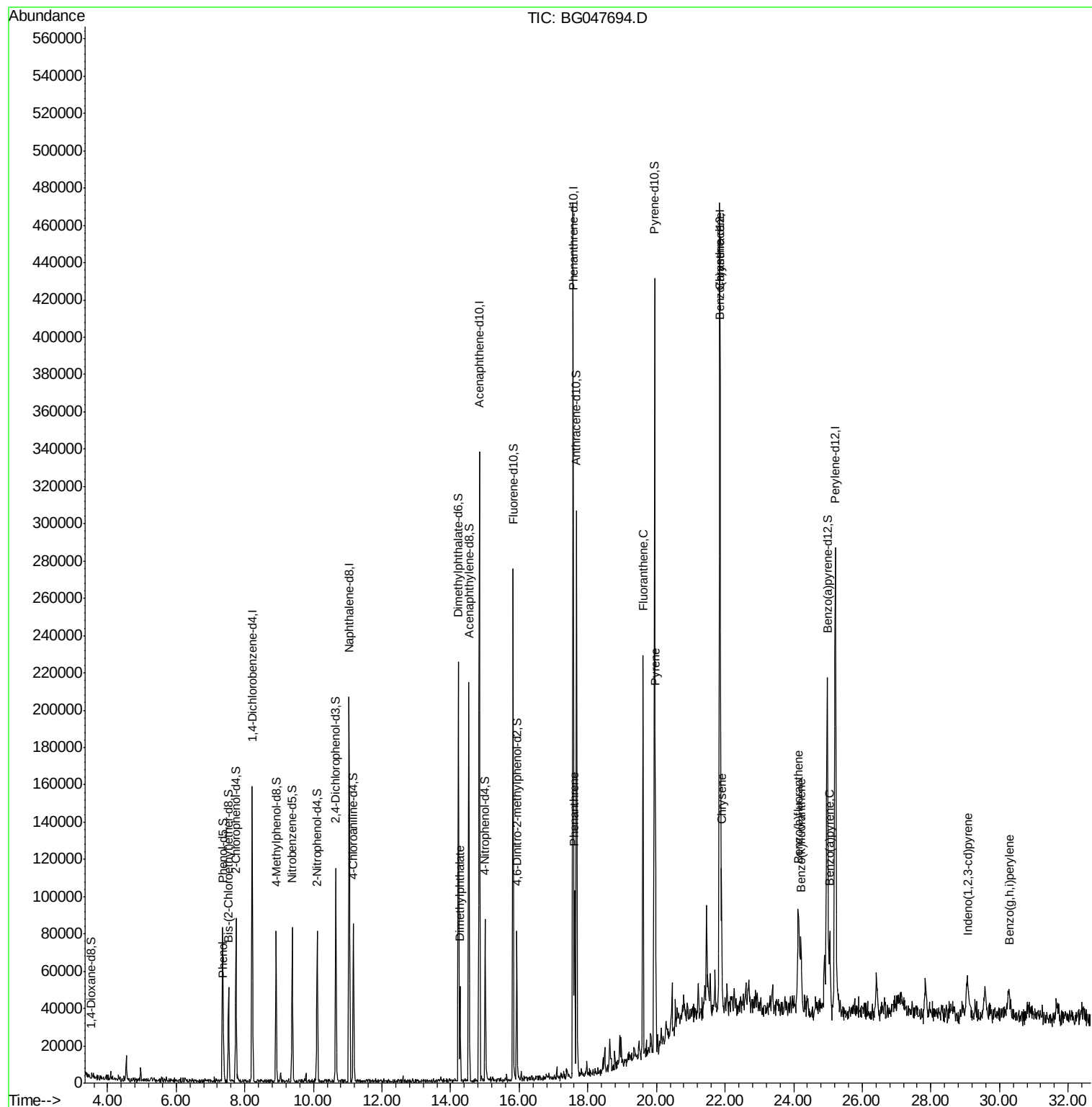
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
Data File : BG047694.D  
Acq On : 10 Dec 2020 5:26  
Operator : CG/JU  
Sample : L4941-17  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

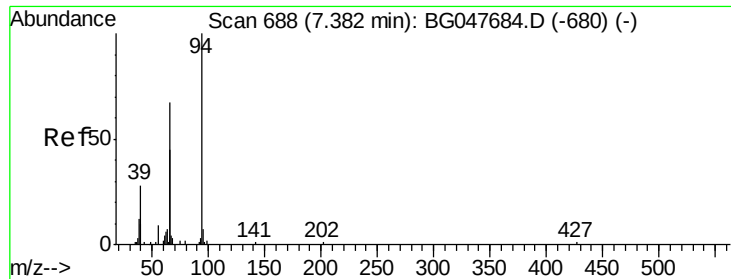
Instrument :  
BNA\_G  
ClientSampleId :  
C0B46

Manual Integrations  
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Quant Time: Dec 10 07:47:15 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 05:36:07 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 2.684 ng/ul

RT: 7.38 min Scan# 688

Delta R.T. -0.00 min

Lab File: BG047694.D

Acq: 10 Dec 2020 5:26

Instrument :

BNA\_G

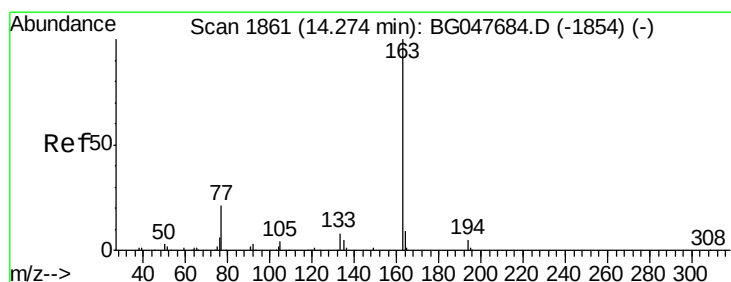
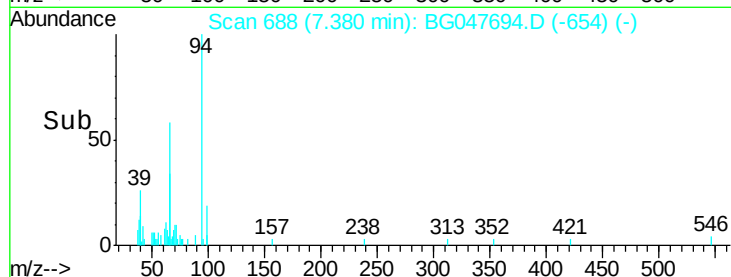
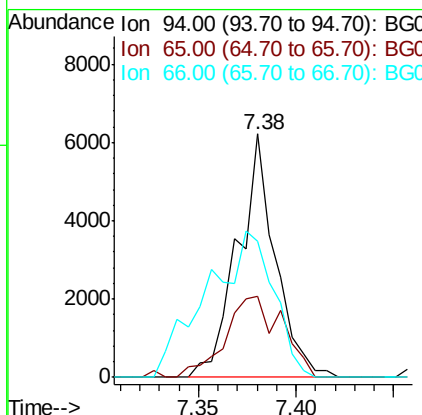
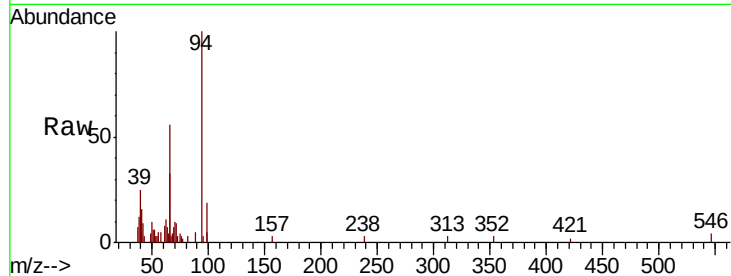
ClientSampled :

C0B46

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 8296  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 33.3  | 35.9  | 53.9# |
| 66       | 55.7  | 50.1  | 75.1  |

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#45

Dimethylphthalate

Concen: 2.706 ng/ul

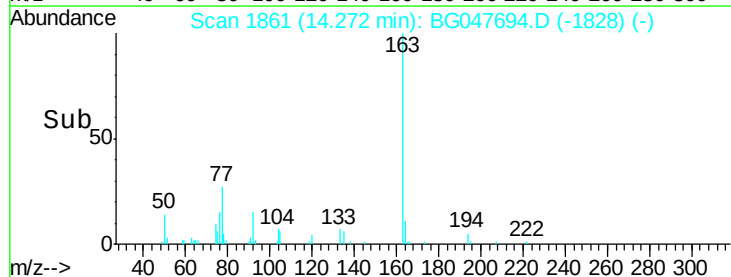
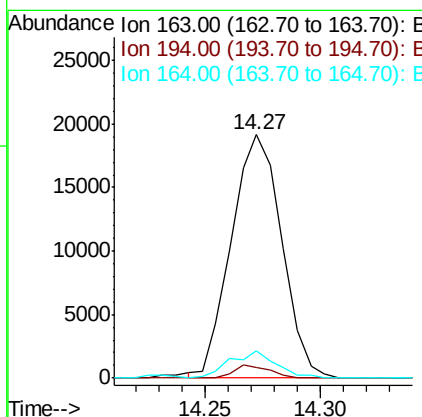
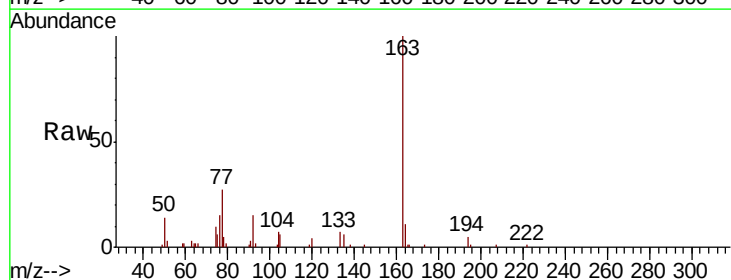
RT: 14.27 min Scan# 1861

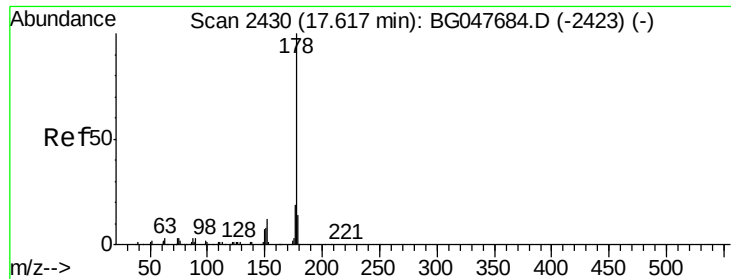
Delta R.T. -0.01 min

Lab File: BG047694.D

Acq: 10 Dec 2020 5:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 29085 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.6   | 3.9   | 5.9   |
| 164      | 11.2  | 7.4   | 11.2  |





#70

Phenanthrene

Concen: 3.839 ng/ul

RT: 17.62 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG047694.D

Acq: 10 Dec 2020 5:26

Instrument :

BNA\_G

ClientSampleId :

C0B46

Tot Ion:178 Resp: 62178

Ion Ratio Lower Upper

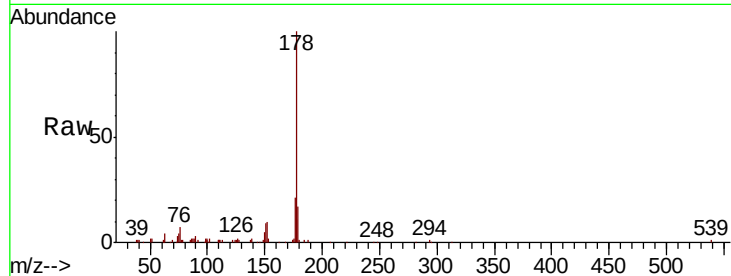
178 100

179 16.8 11.6 17.4

176 20.7 15.8 23.8

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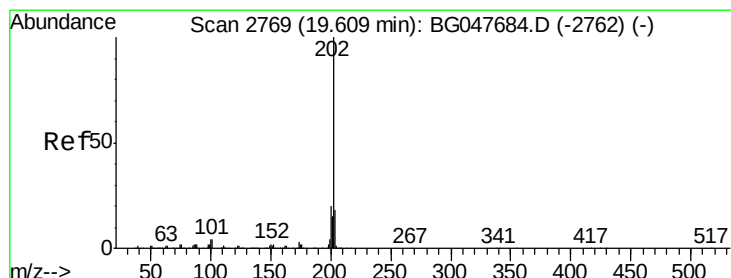
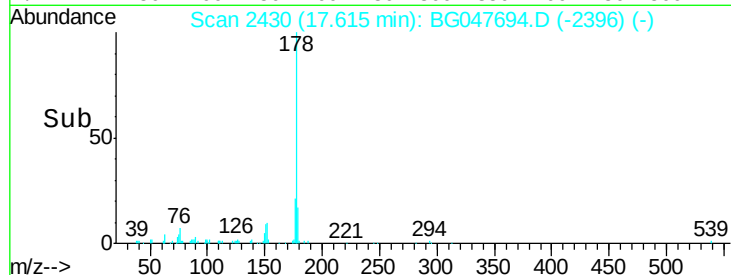
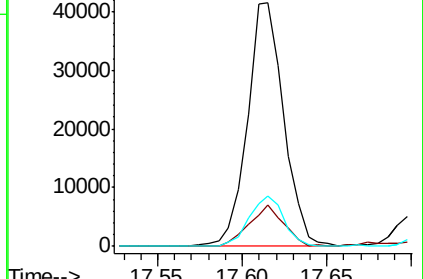
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 6.796 ng/ul

RT: 19.61 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BG047694.D

Acq: 10 Dec 2020 5:26

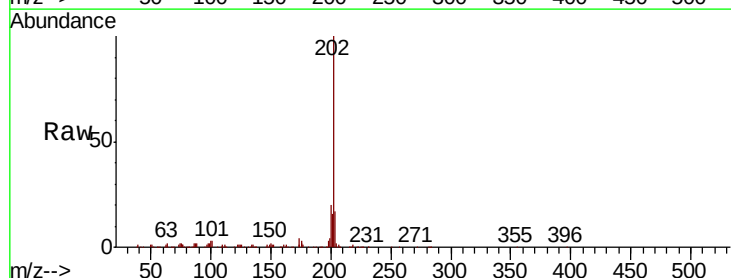
Tgt Ion:202 Resp: 140062

Ion Ratio Lower Upper

202 100

101 3.3 2.4 3.6

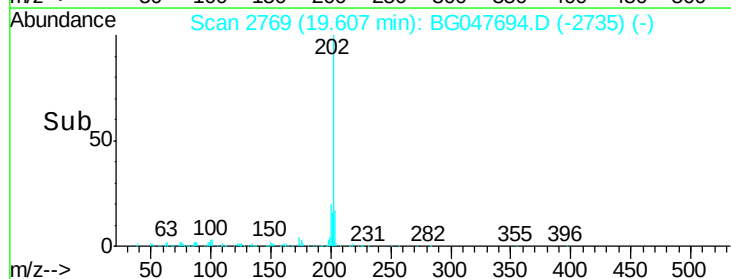
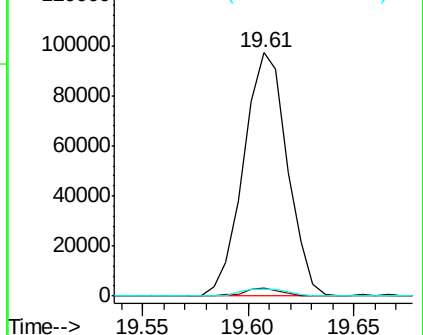
100 2.6 2.6 3.8#

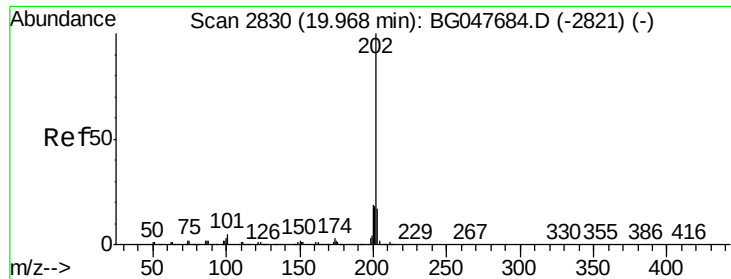


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





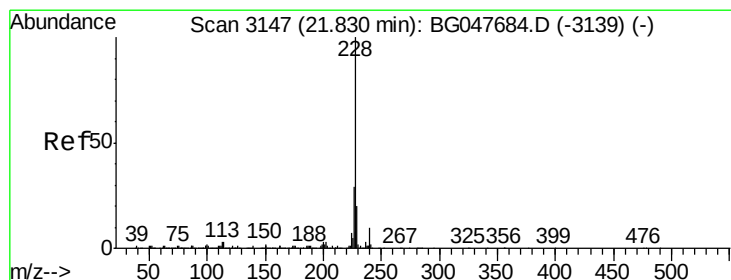
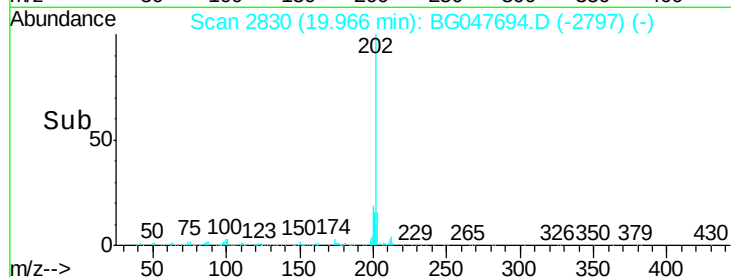
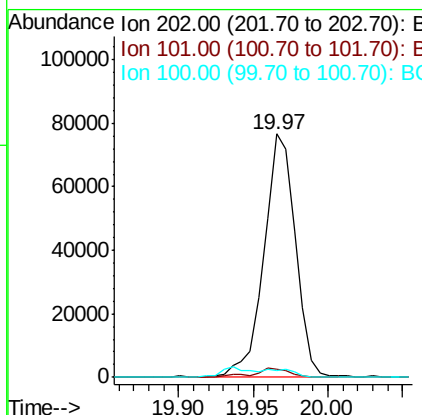
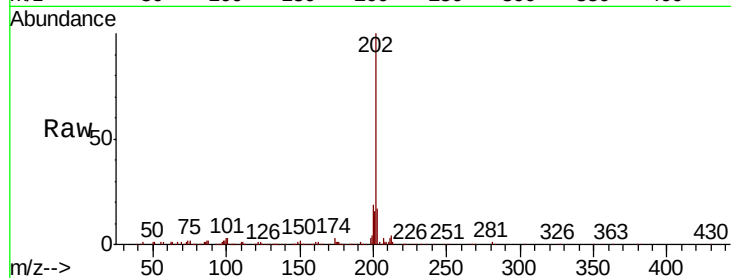
#80  
Pvrene  
Concen: 5.823 ng/ul  
RT: 19.97 min Scan# 2830  
Delta R.T. -0.01 min  
Lab File: BG047694.D  
Acq: 10 Dec 2020 5:26

Instrument :  
BNA\_G  
ClientSampleId :  
C0B46

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 3.3   | 2.5        | 3.7   |
| 100     | 2.8   | 2.4        | 3.6   |

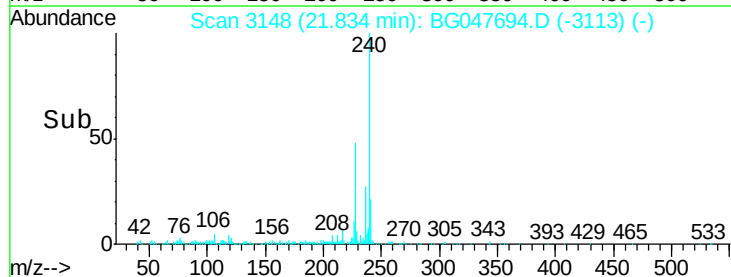
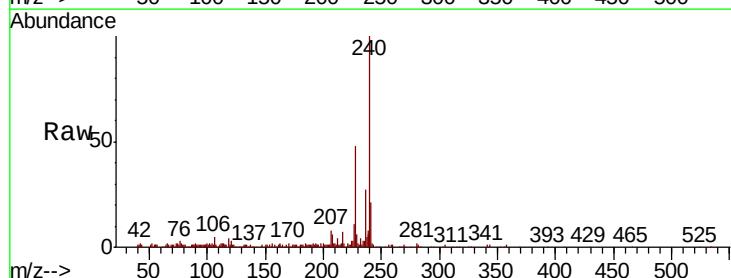
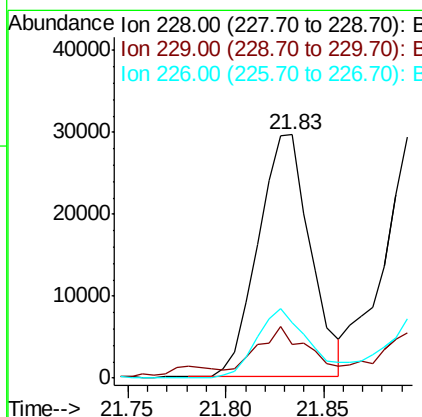
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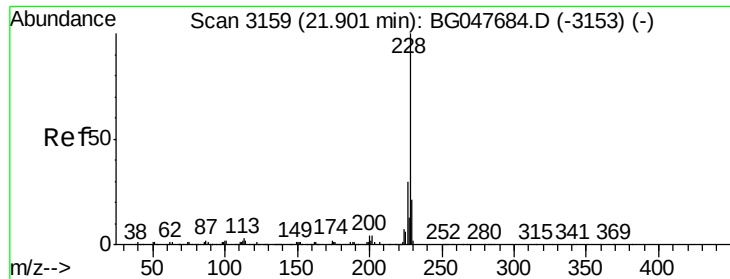
mohammad  
12/10/2020 8:38:44 AM



#83  
Benzo(a)anthracene  
Concen: 2.900 ng/ul m  
RT: 21.83 min Scan# 3148  
Delta R.T. 0.01 min  
Lab File: BG047694.D  
Acq: 10 Dec 2020 5:26

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 13.6  | 16.0       | 24.0# |
| 226     | 22.7  | 22.4       | 33.6  |





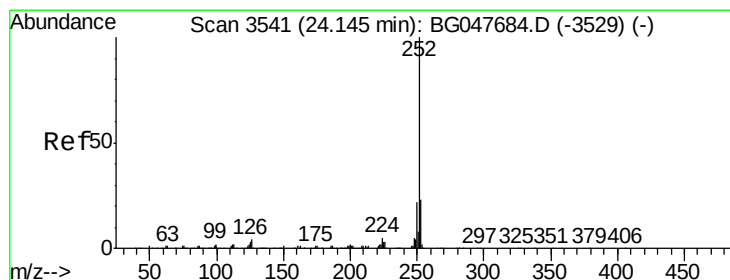
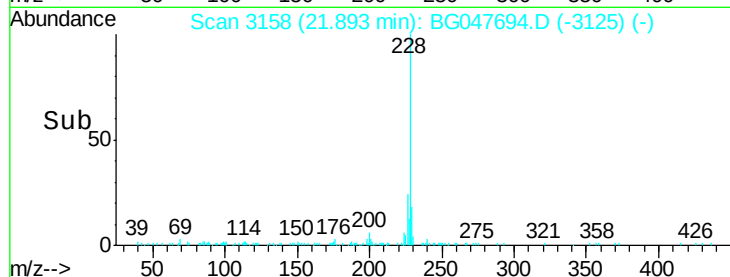
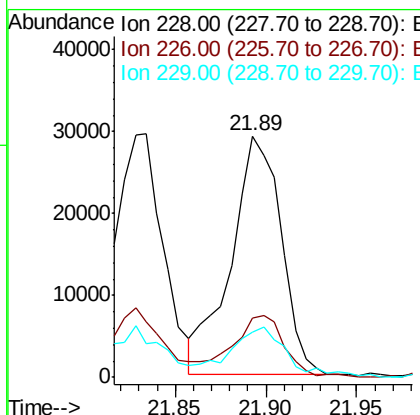
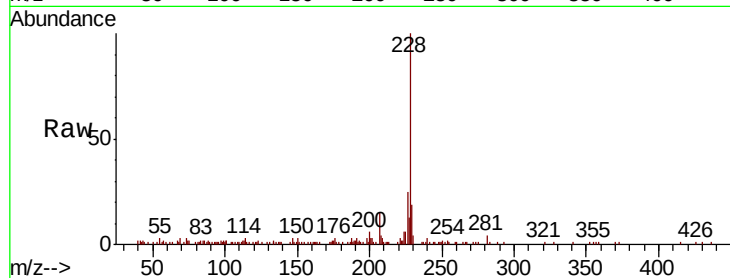
#85  
Chrysene  
Concen: 3.145 ng/ul  
RT: 21.89 min Scan# 3158  
Delta R.T. -0.01 min  
Lab File: BG047694.D  
Acq: 10 Dec 2020 5:26

Instrument :  
BNA\_G  
ClientSampleId :  
C0B46

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 228     | 100  |       | 56291 |       |       |
| 226     | 24.6 | 23.0  | 34.4  |       |       |
| 229     | 18.6 | 15.8  | 23.8  |       |       |

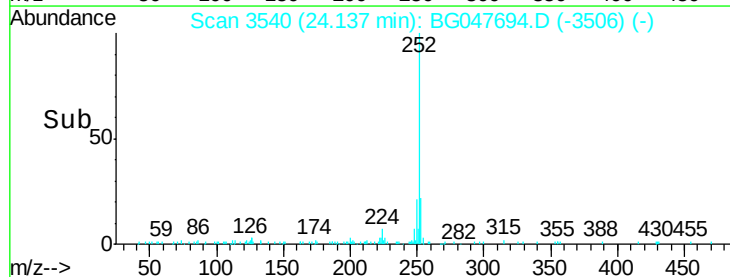
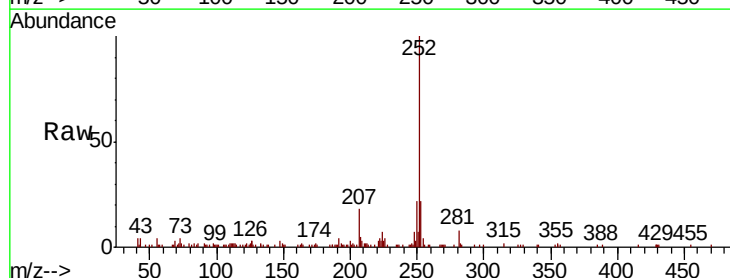
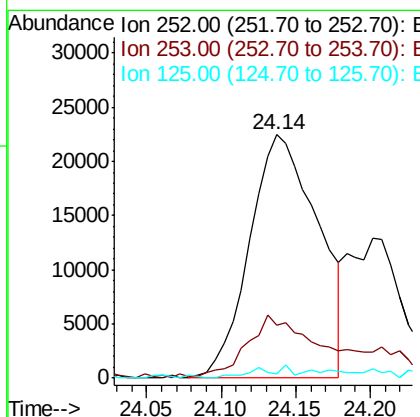
Manual Integrations  
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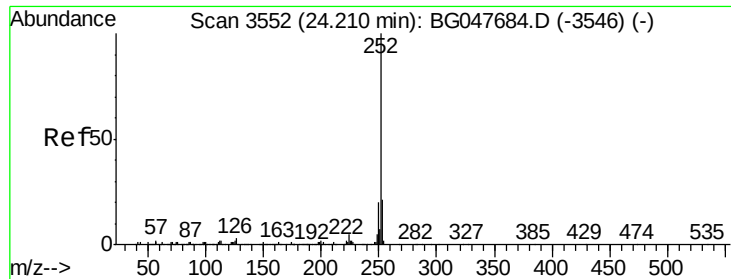
mohammad  
12/10/2020 8:38:44 AM



#88  
Benzo(b)fluoranthene  
Concen: 3.667 ng/ul  
RT: 24.14 min Scan# 3540  
Delta R.T. -0.00 min  
Lab File: BG047694.D  
Acq: 10 Dec 2020 5:26

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 252     | 100  |       | 71636 |       |       |
| 253     | 21.8 | 18.7  | 28.1  |       |       |
| 125     | 1.9  | 2.6   | 3.8   |       |       |





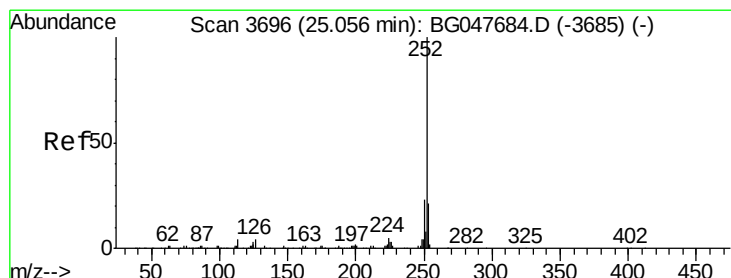
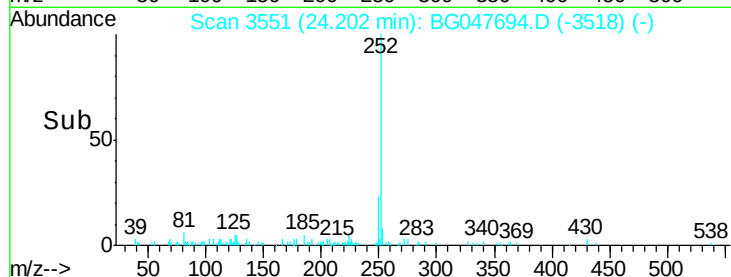
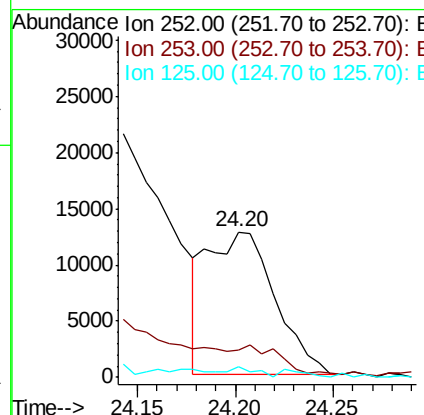
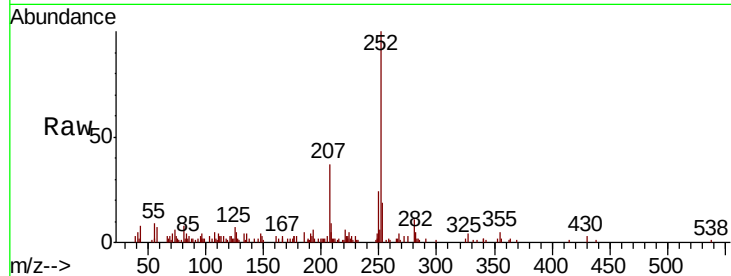
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Benzo(k)fluoranthene  
Concen: 1.569 ng/ul m  
RT: 24.20 min Scan# 3551  
Delta R.T. -0.01 min  
Lab File: BG047694.D  
Acq: 10 Dec 2020 5:26

Instrument :  
BNA\_G  
ClientSampleId :  
C0B46

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 18.5  | 16.9  | 25.3  |
| 125     | 7.0   | 2.2   | 3.4   |

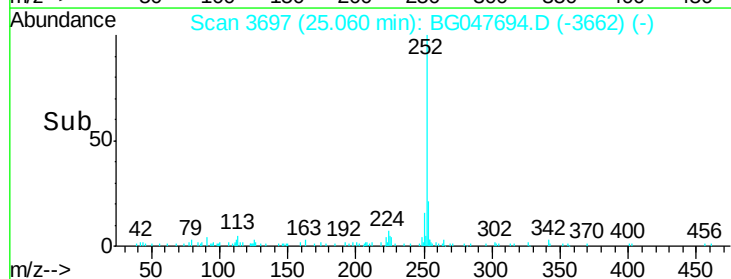
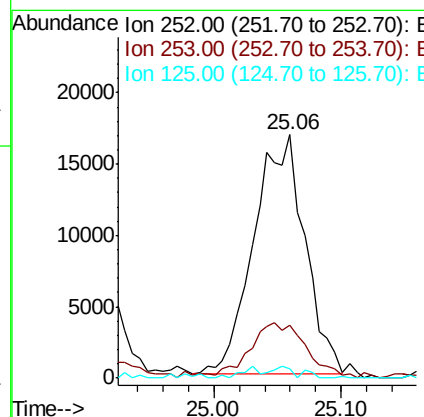
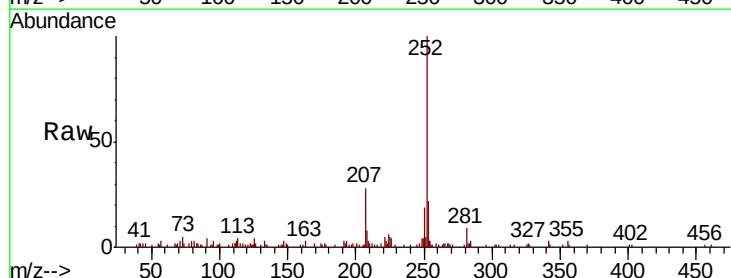
Manual Integrations  
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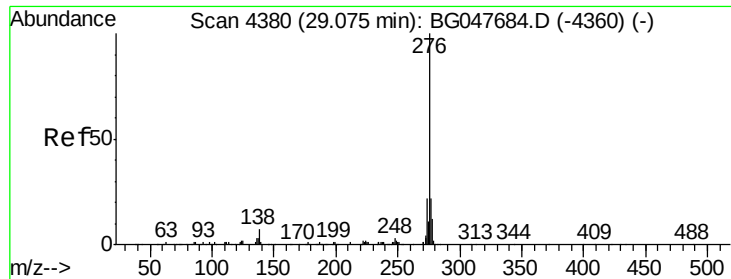
mohammad  
12/10/2020 8:38:44 AM



#91  
Benzo(a)pyrene  
Concen: 2.646 ng/ul m  
RT: 25.06 min Scan# 3697  
Delta R.T. 0.01 min  
Lab File: BG047694.D  
Acq: 10 Dec 2020 5:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 16.9  | 25.3  |
| 125     | 3.9   | 2.6   | 3.8   |





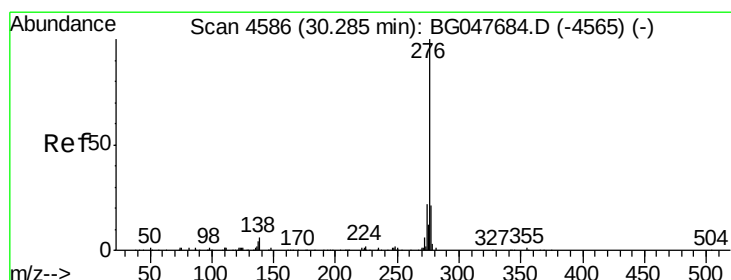
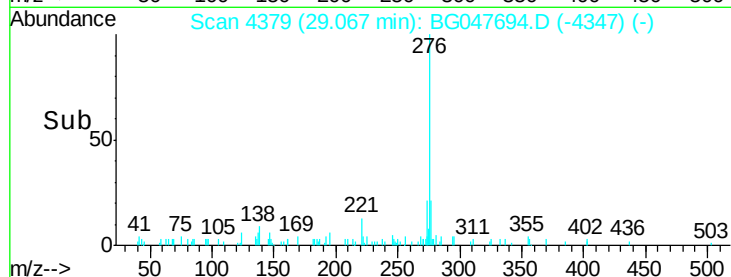
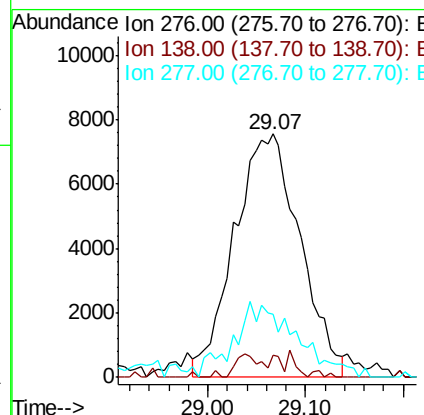
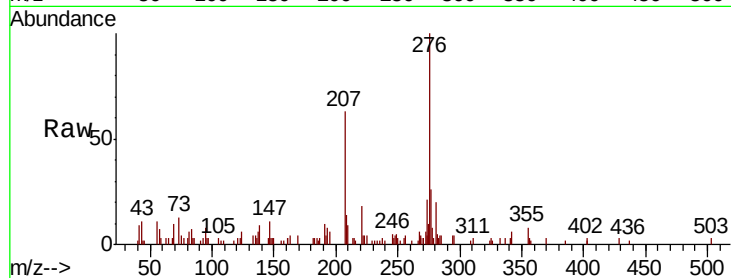
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.643 ng/ul  
 RT: 29.07 min Scan# 4379  
 Delta R.T. -0.01 min  
 Lab File: BG047694.D  
 Acq: 10 Dec 2020 5:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B46

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 9.2   | 3.3   | 4.9#  |
| 277     | 26.0  | 18.6  | 27.8  |

Manual Integrations  
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 12/10/2020 8:38:44 AM



#94  
 Benzo(g,h,i)perylene  
 Concen: 1.756 ng/ul m  
 RT: 30.27 min Scan# 4584  
 Delta R.T. -0.00 min  
 Lab File: BG047694.D  
 Acq: 10 Dec 2020 5:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 8.0   | 4.7   | 7.1#  |
| 277     | 17.4  | 21.9  | 32.9# |

