

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120420\  
 Data File : BG047576.D  
 Acq On : 4 Dec 2020 18:36  
 Operator : CG/JU  
 Sample : L4859-17  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B95

Manual Integrations  
 APPROVED

mohammad  
 12/7/2020 1:59:52 PM

Quant Time: Dec 05 01:39:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 05 00:50:33 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.25  | 152  | 24448    | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 11.08 | 136  | 99985    | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.86 | 164  | 80846    | 20.00 | ng/ul | -0.02    |
| 62) Phenanthrene-d10      | 17.60 | 188  | 206922   | 20.00 | ng/ul | -0.02    |
| 78) Chrysene-d12          | 21.88 | 240  | 184864   | 20.00 | ng/ul | -0.02    |
| 86) Perylene-d12          | 25.27 | 264  | 199178   | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.59  | 96  | 829m   | 1.23  | ng/uL | -0.03 |
| 5) Phenol-d5                   | 7.39  | 99  | 17905  | 7.30  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.56  | 67  | 16730  | 11.96 | ng/ul | -0.03 |
| 9) 2-Chlorophenol-d4           | 7.77  | 132 | 17858  | 10.86 | ng/ul | -0.03 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 10600  | 5.63  | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 11427  | 13.84 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4           | 10.15 | 143 | 8841   | 9.81  | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 20228  | 9.80  | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4         | 11.20 | 131 | 1512   | 0.72  | ng/ul | -0.02 |
| 44) Dimethylphthalate-d6       | 14.26 | 166 | 71328  | 10.28 | ng/ul | -0.02 |
| 47) Acenaphthylene-d8          | 14.56 | 160 | 105581 | 13.16 | ng/ul | -0.02 |
| 52) 4-Nitrophenol-d4           | 15.03 | 143 | 1741m  | 1.64  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.85 | 176 | 84555  | 13.30 | ng/ul | -0.02 |
| 63) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 5368   | 4.56  | ng/ul | -0.02 |
| 71) Anthracene-d10             | 17.69 | 188 | 131444 | 12.81 | ng/ul | -0.02 |
| 79) Pyrene-d10                 | 19.96 | 212 | 160862 | 14.95 | ng/ul | -0.02 |
| 90) Benzo(a)pyrene-d12         | 25.03 | 264 | 146337 | 12.76 | ng/ul | -0.03 |

## Target Compounds

|                            |       |     |        | Ovalue |           |
|----------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                  | 7.41  | 94  | 4374   | 1.862  | ng/ul# 83 |
| 45) Dimethylphthalate      | 14.30 | 163 | 23475  | 3.316  | ng/ul 98  |
| 77) Fluoranthene           | 19.63 | 202 | 44811  | 3.175  | ng/ul# 98 |
| 80) Pyrene                 | 19.99 | 202 | 38689  | 2.955  | ng/ul# 92 |
| 83) Benzo(a)anthracene     | 21.86 | 228 | 23574  | 1.792  | ng/ul 96  |
| 85) Chrysene               | 21.92 | 228 | 24836m | 1.984  | ng/ul     |
| 88) Benzo(b)fluoranthene   | 24.18 | 252 | 32228  | 2.292  | ng/ul# 86 |
| 91) Benzo(a)pyrene         | 25.10 | 252 | 22656  | 1.807  | ng/ul# 96 |
| 92) Indeno(1,2,3-cd)pyrene | 29.16 | 276 | 15962m | 1.047  | ng/ul     |
| 94) Benzo(g,h,i)perylene   | 30.36 | 276 | 13136m | 1.044  | ng/ul     |

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

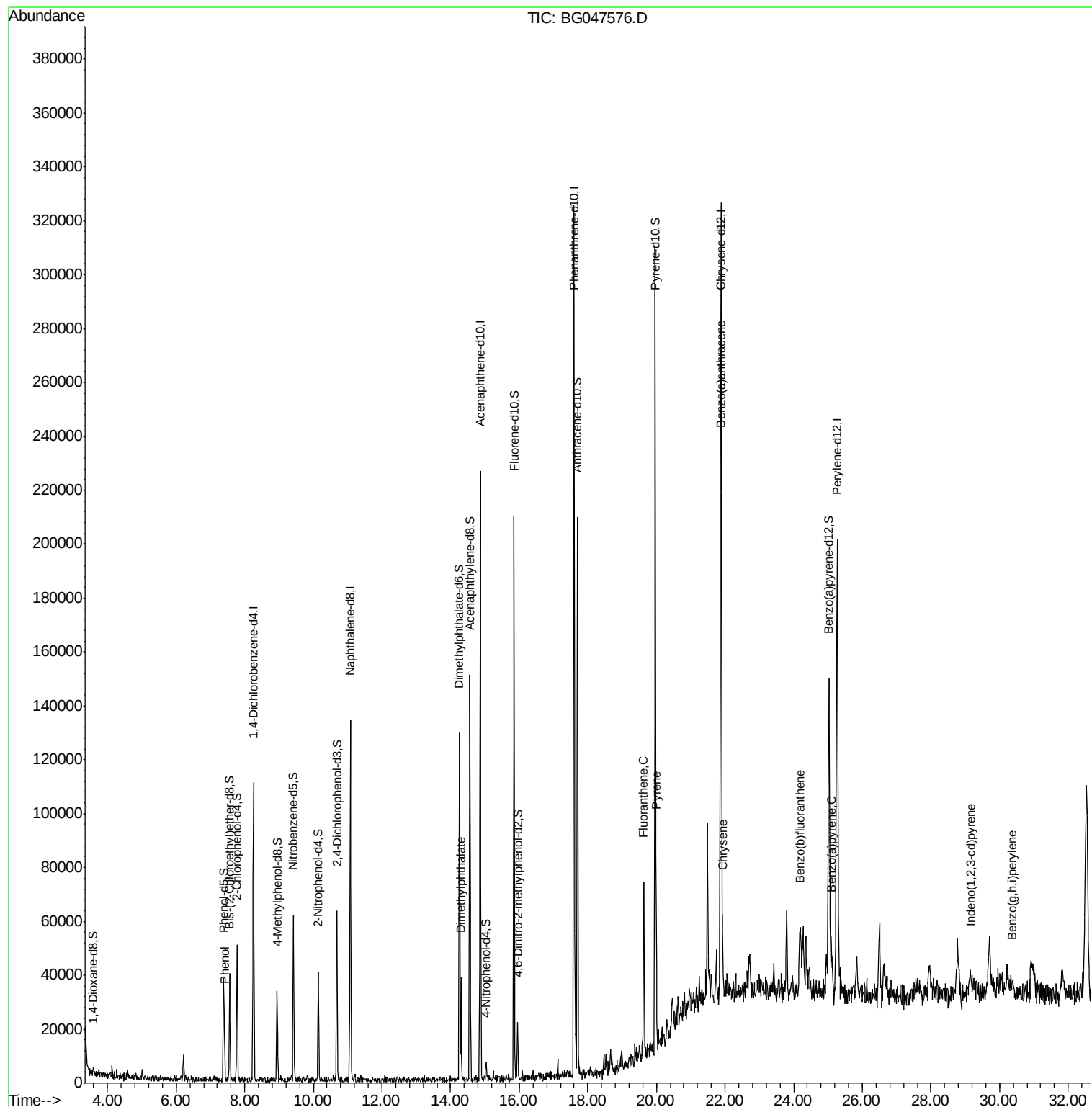
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120420\  
Data File : BG047576.D  
Acq On : 4 Dec 2020 18:36  
Operator : CG/JU  
Sample : L4859-17  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

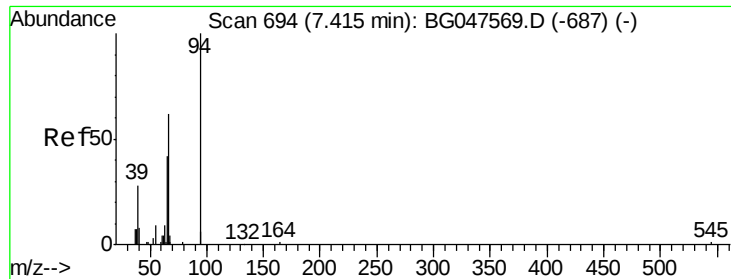
Instrument :  
BNA\_G  
ClientSampleId :  
C0B95

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Quant Time: Dec 05 01:39:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Dec 05 00:50:33 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 1.862 ng/ul

RT: 7.41 min Scan# 693

Delta R.T. -0.02 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

Instrument :

BNA\_G

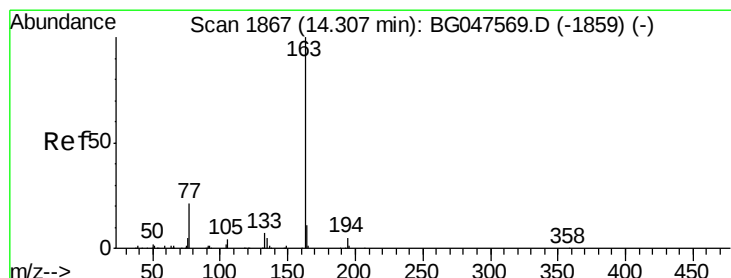
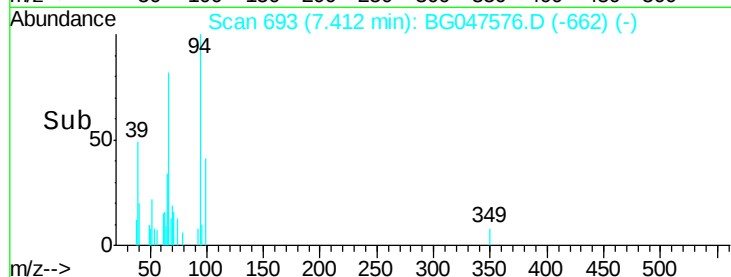
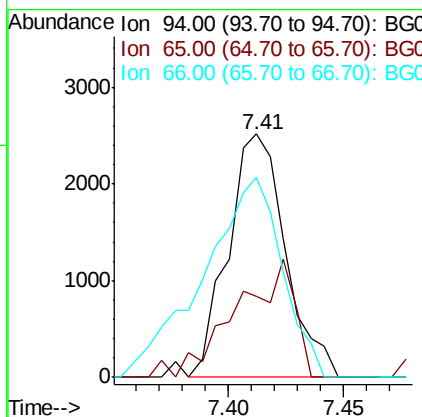
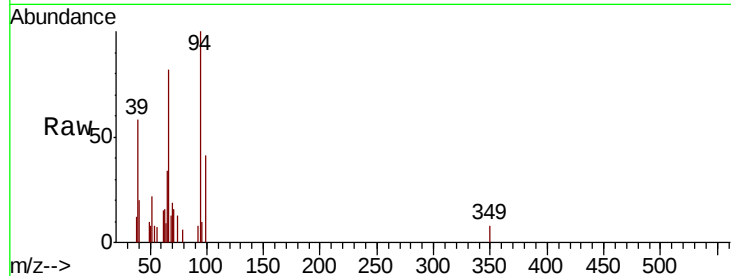
ClientSampleId :

C0B95

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 4374  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 33.5  | 31.2  | 46.8  |
| 66       | 82.2  | 52.2  | 78.2  |

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#45

Dimethylphthalate

Concen: 3.316 ng/ul

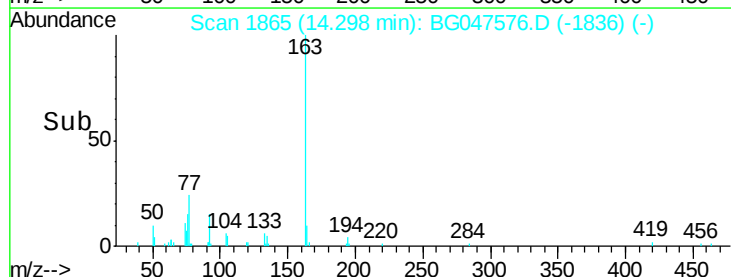
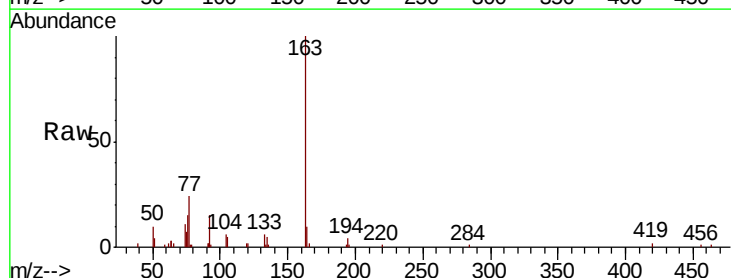
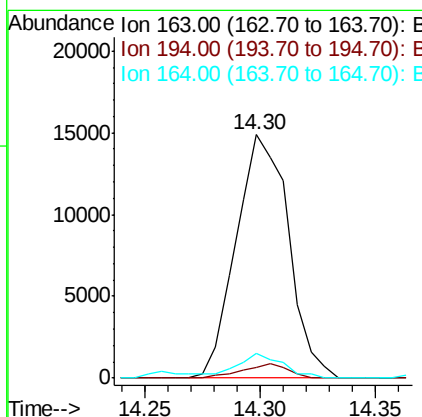
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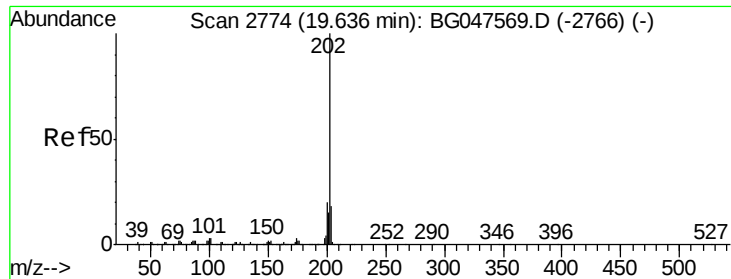
Delta R.T. -0.03 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 23475 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.1   | 3.4   | 5.2   |
| 164      | 10.0  | 8.8   | 13.2  |





#77

Fluoranthene

Concen: 3.175 ng/ul

RT: 19.63 min Scan# 2773

Delta R.T. -0.02 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

Instrument :

BNA\_G

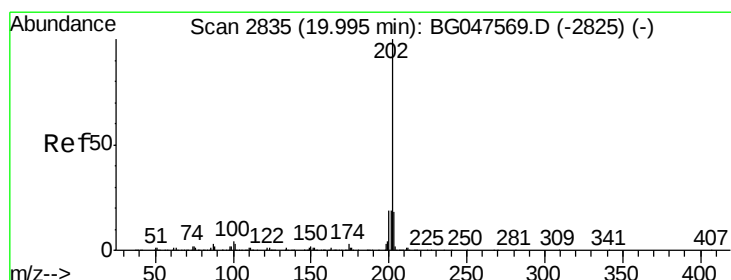
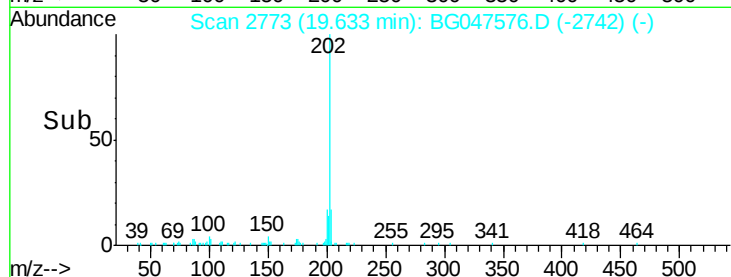
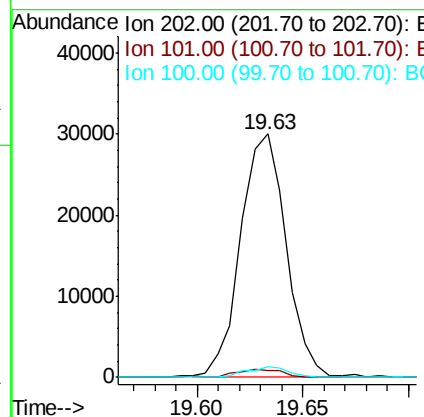
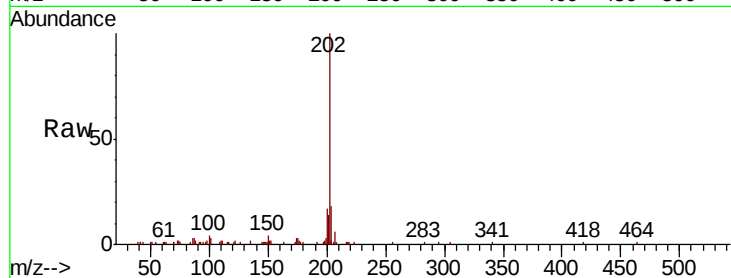
ClientSampleId :

C0B95

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 44811 |       |       |
| 101     | 2.8   | 3.3   | 4.9#  |       |
| 100     | 4.2   | 3.4   | 5.0   |       |

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#80

Pyrene

Concen: 2.955 ng/ul

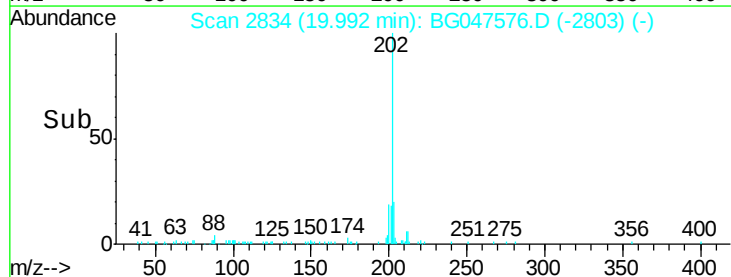
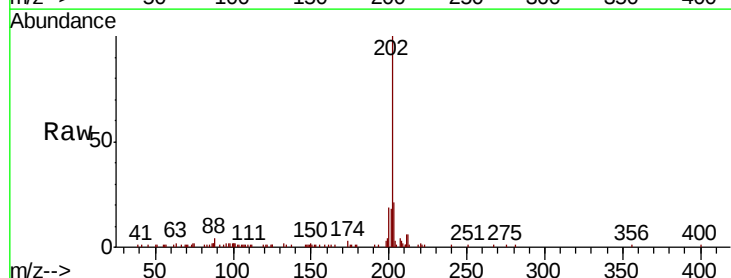
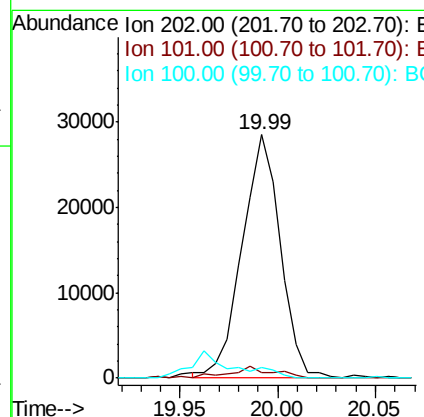
RT: 19.99 min Scan# 2834

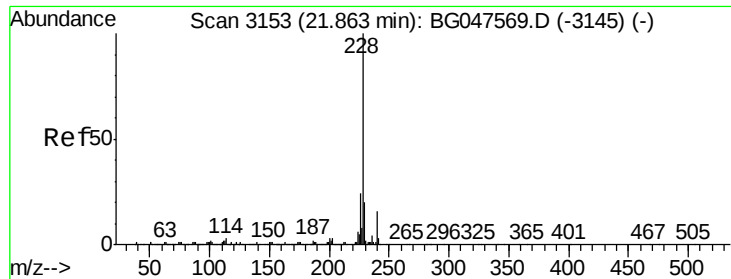
Delta R.T. -0.02 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 38689 |       |       |
| 101     | 2.3   | 5.0   | 7.4#  |       |
| 100     | 4.4   | 4.6   | 7.0#  |       |





#83

Benzo(a)anthracene

Concen: 1.792 ng/ul

RT: 21.86 min Scan# 3152

Delta R.T. -0.02 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

Instrument :

BNA\_G

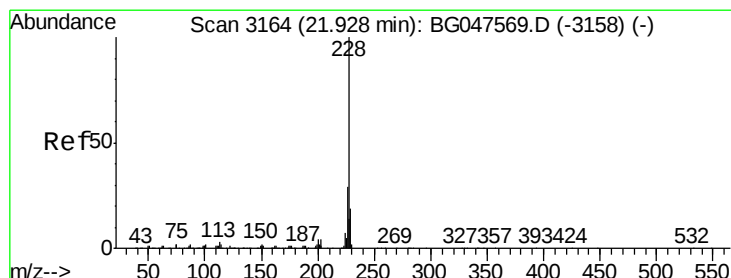
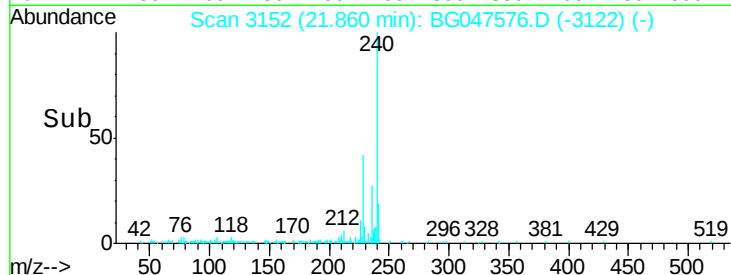
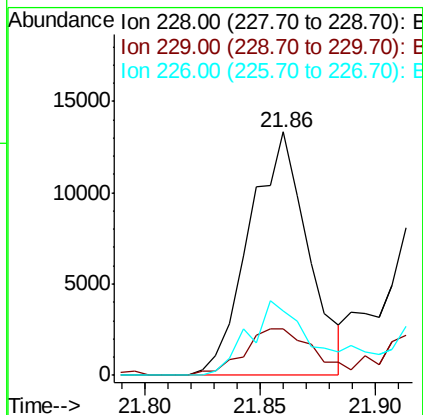
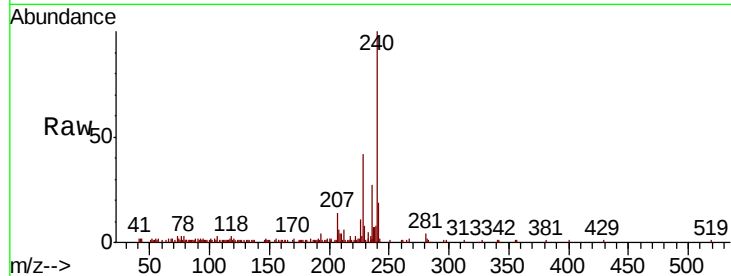
ClientSampleId :

C0B95

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 23574 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 19.1  | 16.2  | 24.2  |
| 226       | 26.6  | 23.3  | 34.9  |

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#85

Chrysene

Concen: 1.984 ng/ul m

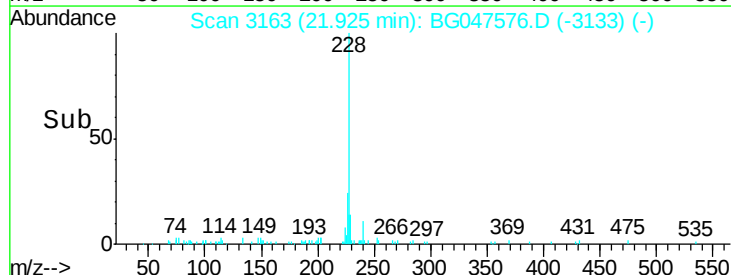
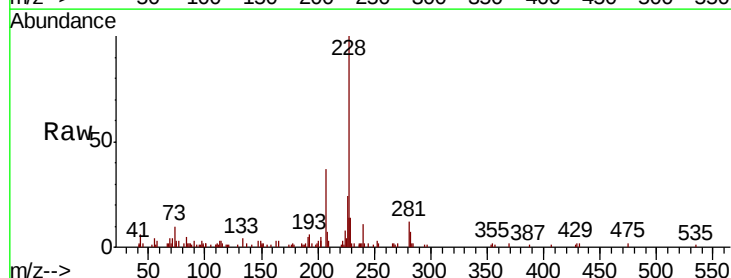
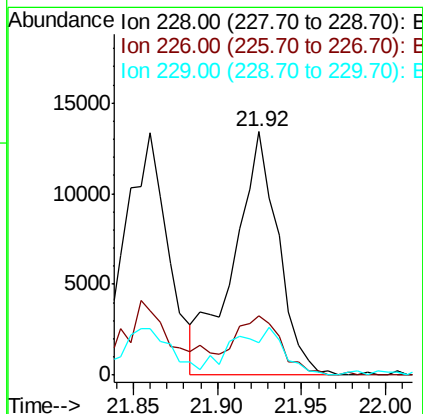
RT: 21.92 min Scan# 3163

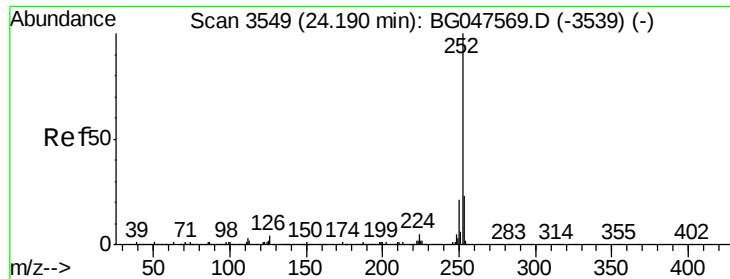
Delta R.T. -0.02 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 24836 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 24.2  | 23.8  | 35.6  |
| 229       | 13.5  | 16.3  | 24.5# |





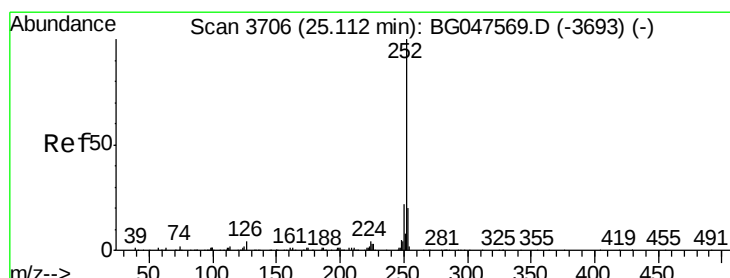
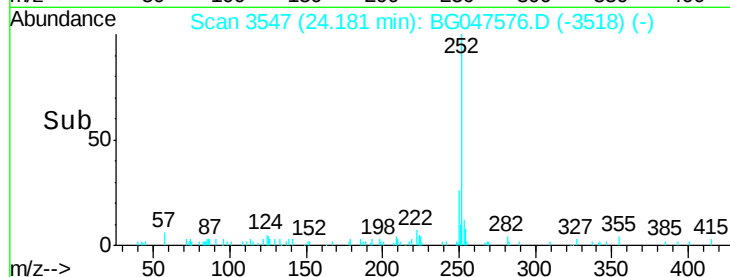
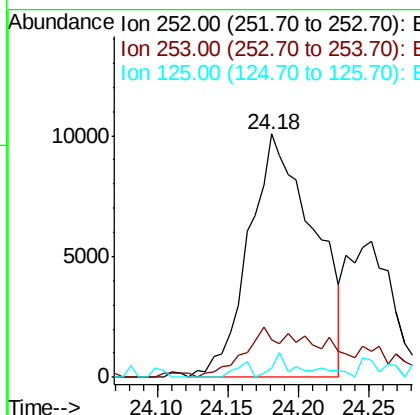
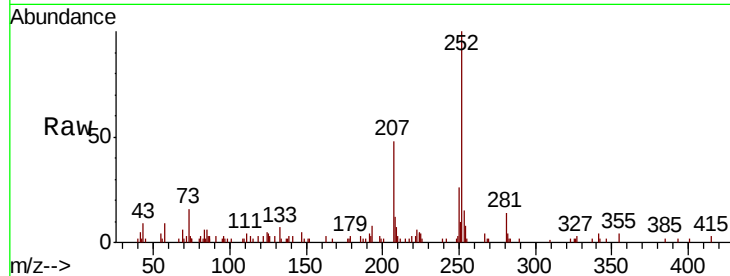
#88  
Benzo(b)fluoranthene  
Concen: 2.292 ng/ul  
RT: 24.18 min Scan# 3547  
Delta R.T. -0.03 min  
Lab File: BG047576.D  
Acq: 4 Dec 2020 18:36

Instrument :  
BNA\_G  
ClientSampleId :  
C0B95

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 15.5  | 18.4  | 27.6# |
| 125     | 4.0   | 2.5   | 3.7#  |

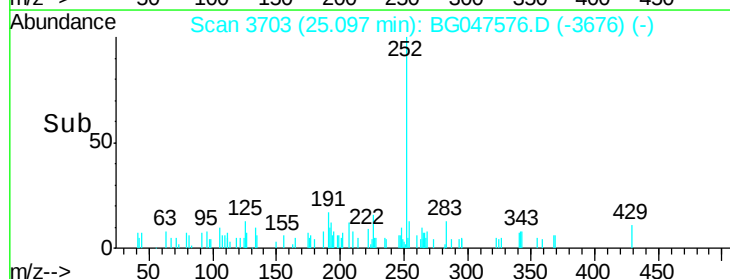
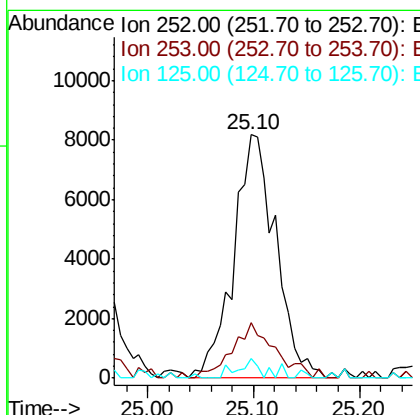
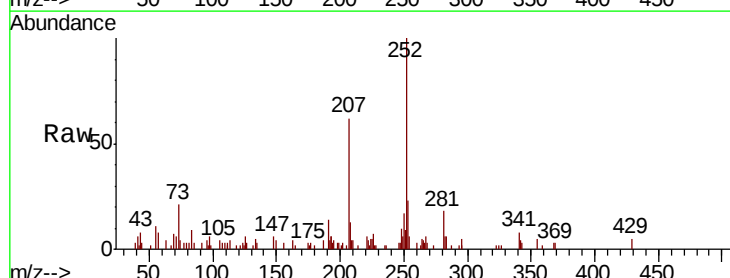
Manual Integrations  
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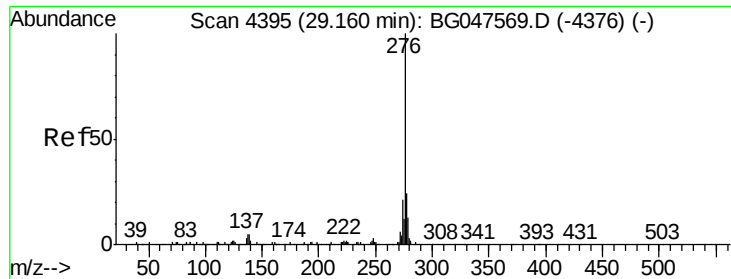
mohammad  
12/7/2020 1:59:52 PM



#91  
Benzo(a)pyrene  
Concen: 1.807 ng/ul  
RT: 25.10 min Scan# 3703  
Delta R.T. -0.04 min  
Lab File: BG047576.D  
Acq: 4 Dec 2020 18:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.5  | 26.3  |
| 125     | 7.9   | 3.1   | 4.7#  |





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.047 ng/ul m

RT: 29.16 min Scan# 4394

Delta R.T. -0.04 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

Instrument :

BNA\_G

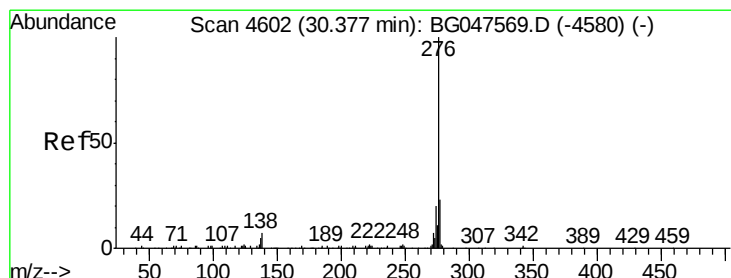
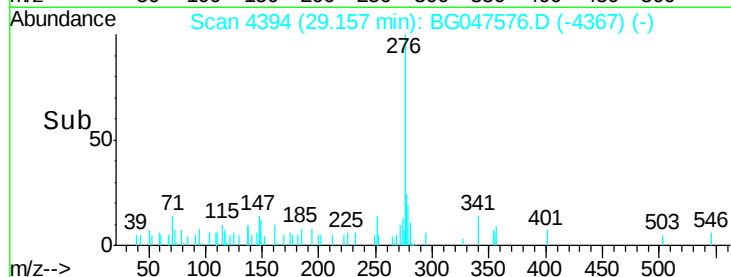
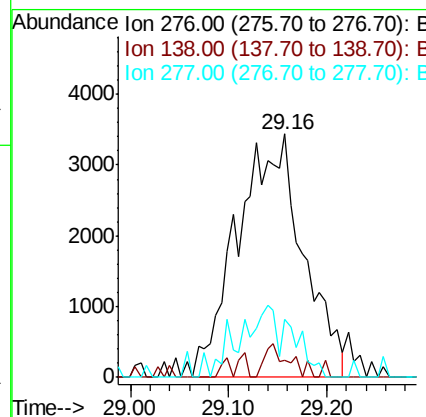
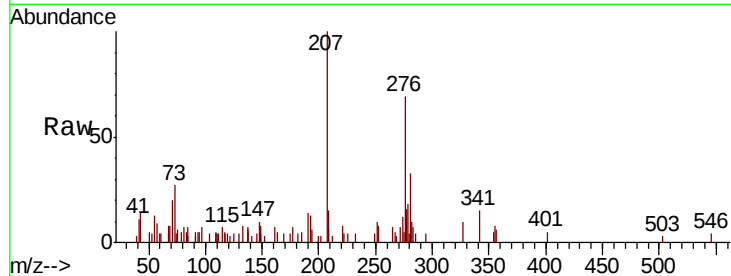
ClientSampleId :

C0B95

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 15962 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 7.3   | 7.5   | 11.3# |
| 277       | 23.7  | 19.9  | 29.9  |

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#94

Benzo(g,h,i)perylene

Concen: 1.044 ng/ul m

RT: 30.36 min Scan# 4598

Delta R.T. -0.06 min

Lab File: BG047576.D

Acq: 4 Dec 2020 18:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13136 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 4.9   | 8.2   | 12.2# |
| 277       | 23.7  | 17.5  | 26.3  |

