

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120420\  
 Data File : BG047574.D  
 Acq On : 4 Dec 2020 17:15  
 Operator : CG/JU  
 Sample : L4859-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0BD0

Manual Integrations  
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mohammad  
 12/7/2020 1:59:49 PM

Quant Time: Dec 05 01:19:51 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  | 26398    | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 11.08 | 136  | 102226   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.87 | 164  | 83567    | 20.00 | ng/ul | -0.02    |
| 62) Phenanthrene-d10      | 17.60 | 188  | 213375   | 20.00 | ng/ul | -0.02    |
| 78) Chrysene-d12          | 21.88 | 240  | 201894   | 20.00 | ng/ul | -0.02    |
| 86) Perylene-d12          | 25.27 | 264  | 206329   | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.58  | 96  | 1226m  | 1.69  | ng/uL | -0.03 |
| 5) Phenol-d5                   | 7.39  | 99  | 29075  | 10.98 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.56  | 67  | 15788  | 10.46 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4           | 7.78  | 132 | 21916  | 12.34 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 19312  | 9.49  | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 12427  | 14.72 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4           | 10.15 | 143 | 15656  | 16.99 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.68 | 165 | 27710  | 13.14 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4         | 11.20 | 131 | 28696  | 13.45 | ng/ul | -0.02 |
| 44) Dimethylphthalate-d6       | 14.25 | 166 | 106544 | 14.85 | ng/ul | -0.02 |
| 47) Acenaphthylene-d8          | 14.56 | 160 | 116177 | 14.01 | ng/ul | -0.02 |
| 52) 4-Nitrophenol-d4           | 15.02 | 143 | 12099  | 11.05 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.85 | 176 | 93818  | 14.28 | ng/ul | -0.02 |
| 63) 4,6-Dinitro-2-methylphenol | 15.95 | 200 | 18251  | 15.03 | ng/ul | -0.02 |
| 71) Anthracene-d10             | 17.70 | 188 | 154000 | 14.55 | ng/ul | -0.02 |
| 79) Pyrene-d10                 | 19.97 | 212 | 191932 | 16.34 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 25.03 | 264 | 184899 | 15.57 | ng/ul | -0.03 |

## Target Compounds

|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                | 7.42  | 94  | 7870   | 3.103 | ng/ul# | 84 |
| 45) Dimethylphthalate    | 14.30 | 163 | 34120  | 4.663 | ng/ul  | 98 |
| 70) Phenanthrene         | 17.64 | 178 | 14955  | 1.298 | ng/ul# | 94 |
| 77) Fluoranthene         | 19.63 | 202 | 43095  | 2.961 | ng/ul# | 97 |
| 80) Pyrene               | 19.99 | 202 | 35332  | 2.471 | ng/ul# | 96 |
| 83) Benzo(a)anthracene   | 21.86 | 228 | 17909  | 1.247 | ng/ul# | 91 |
| 85) Chrysene             | 21.93 | 228 | 18611  | 1.361 | ng/ul# | 90 |
| 88) Benzo(b)fluoranthene | 24.18 | 252 | 21441  | 1.472 | ng/ul# | 98 |
| 91) Benzo(a)pyrene       | 25.11 | 252 | 17174m | 1.322 | ng/ul  |    |

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

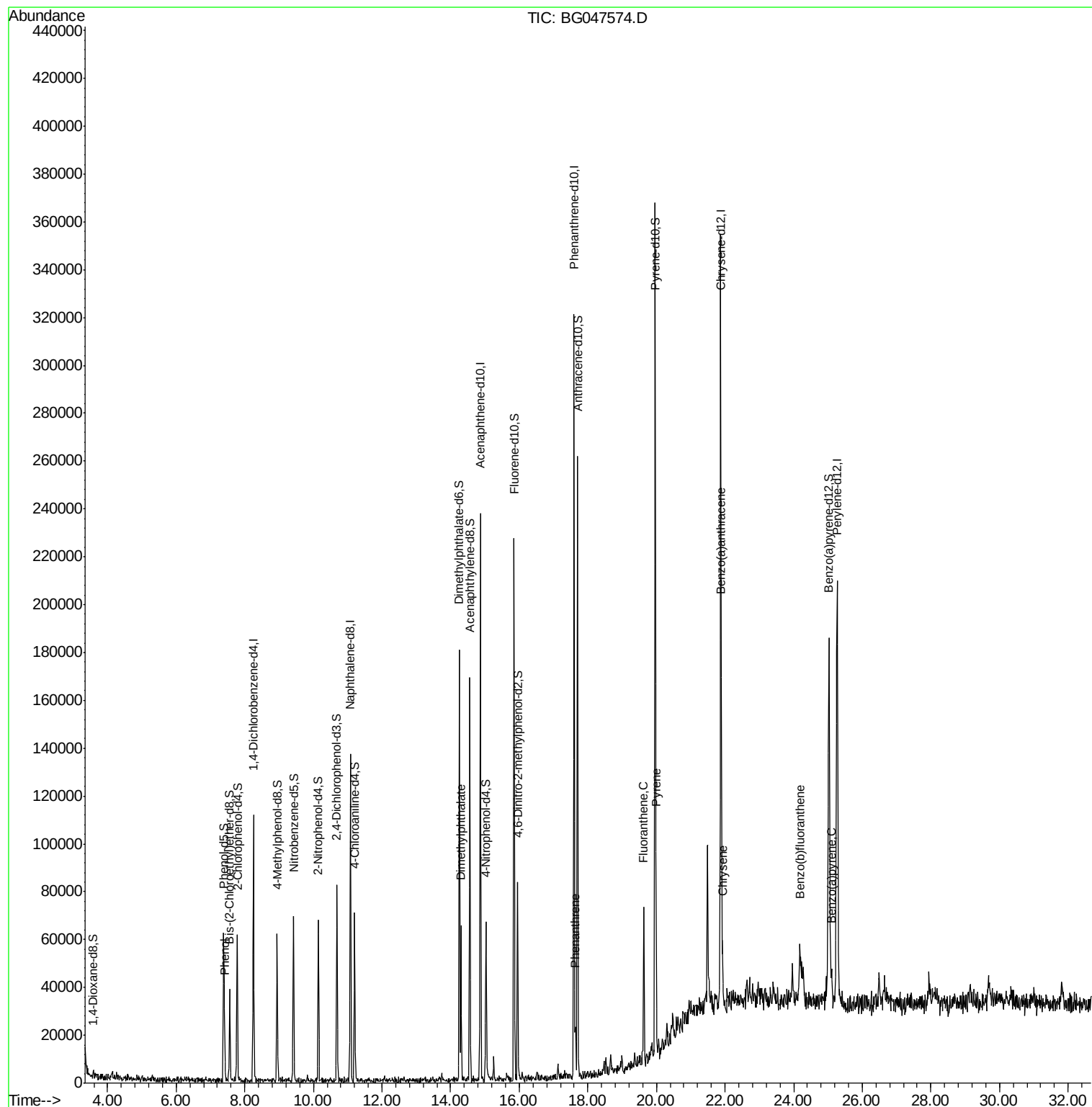
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120420\  
Data File : BG047574.D  
Acq On : 4 Dec 2020 17:15  
Operator : CG/JU  
Sample : L4859-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

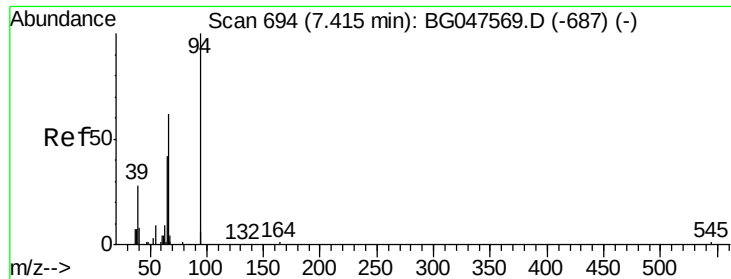
Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Dec 05 01:19:51 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Dec 05 00:50:33 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 3.103 ng/ul

RT: 7.42 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG047574.D

Acq: 4 Dec 2020 17:15

Instrument :

BNA\_G

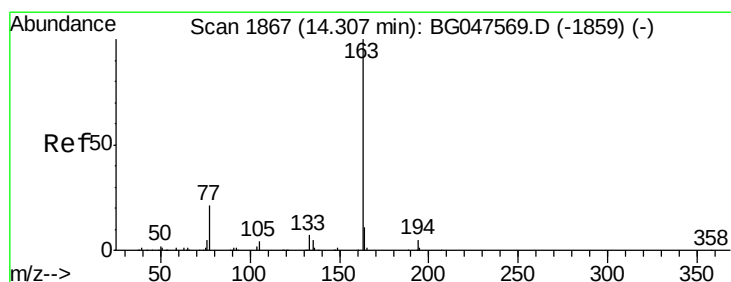
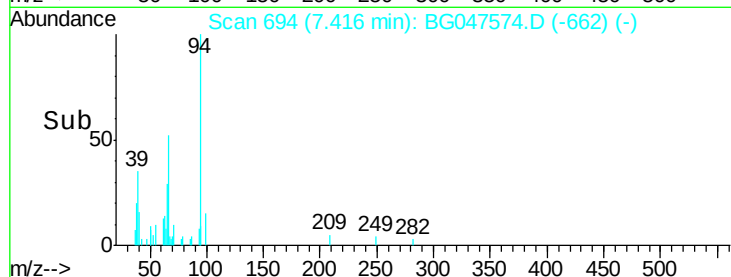
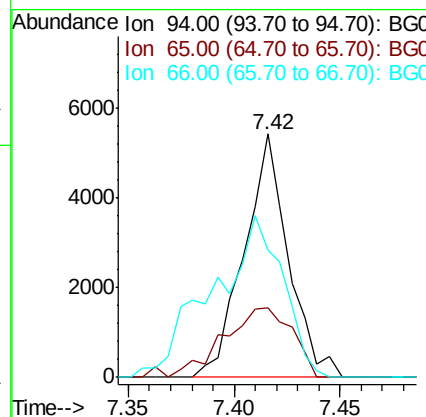
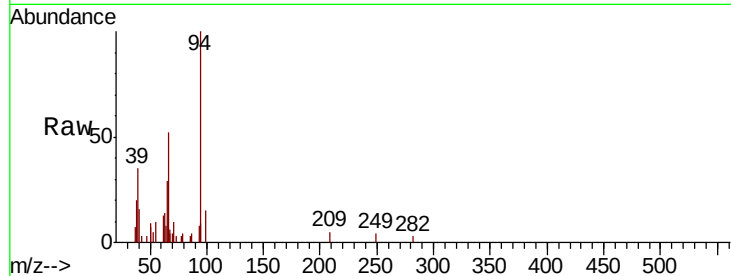
ClientSampleId :

C0BD0

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 7870  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 28.7  | 31.2  | 46.8# |
| 66       | 52.4  | 52.2  | 78.2  |

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#45

Dimethylphthalate

Concen: 4.663 ng/ul

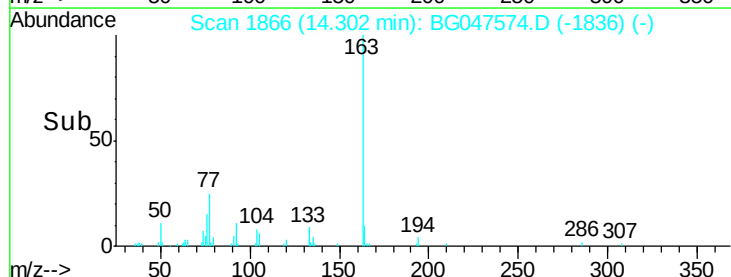
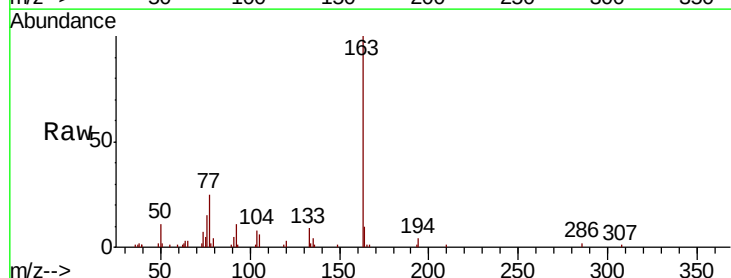
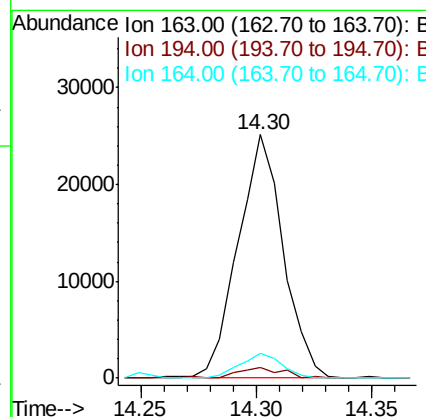
RT: 14.30 min Scan# 1866

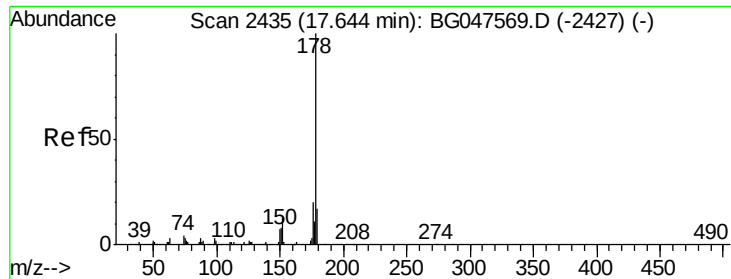
Delta R.T. -0.02 min

Lab File: BG047574.D

Acq: 4 Dec 2020 17:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 34120 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.2   | 3.4   | 5.2   |
| 164      | 10.0  | 8.8   | 13.2  |





#70

Phenanthrene

Concen: 1.298 ng/ul

RT: 17.64 min Scan# 2434

Delta R.T. -0.02 min

Lab File: BG047574.D

Acq: 4 Dec 2020 17:15

Instrument :

BNA\_G

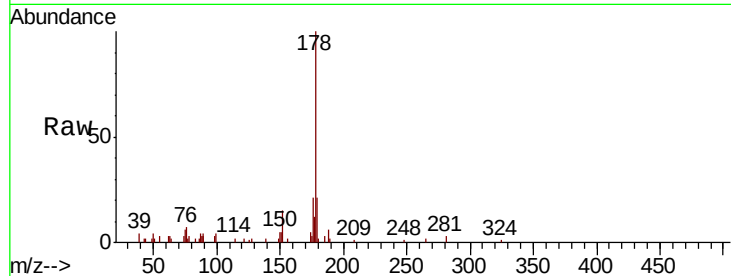
ClientSampleId :

C0BD0

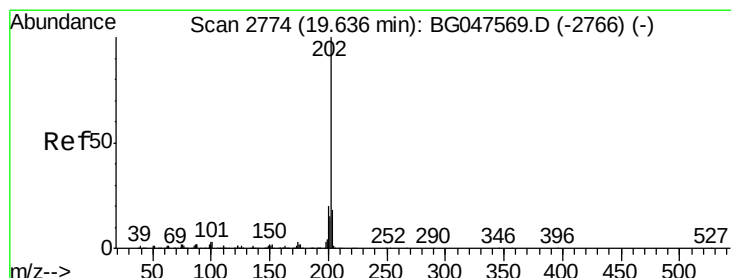
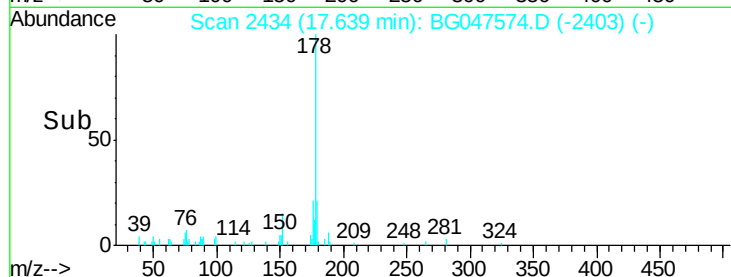
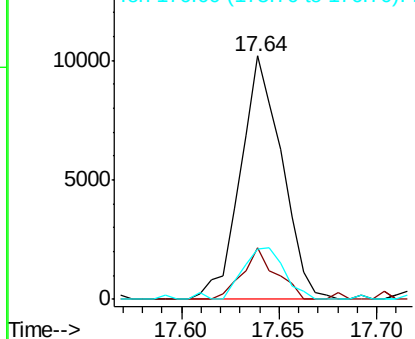
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 14955 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 21.0  | 12.8  | 19.2# |
| 176      | 20.5  | 15.7  | 23.5  |

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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: 2.961 ng/ul

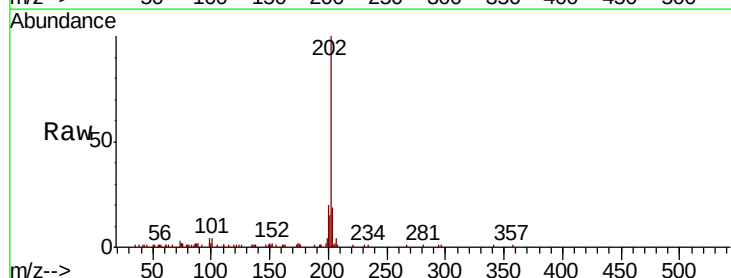
RT: 19.63 min Scan# 2773

Delta R.T. -0.02 min

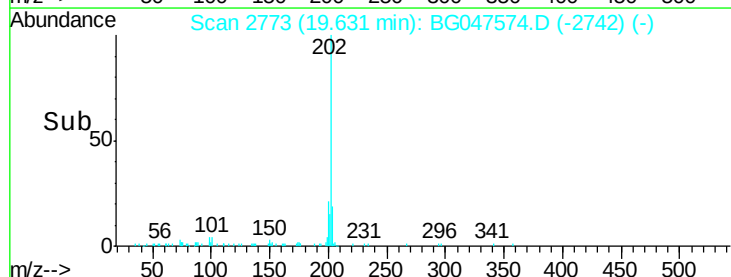
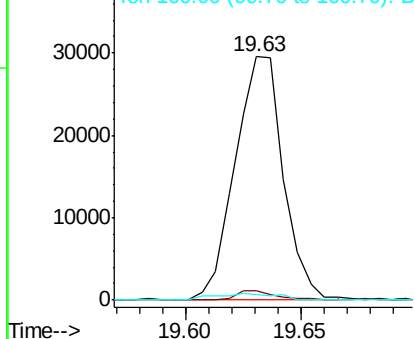
Lab File: BG047574.D

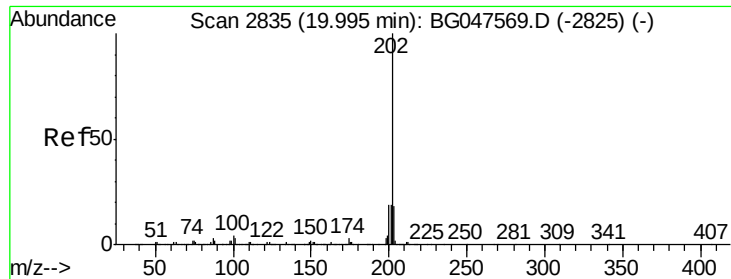
Acq: 4 Dec 2020 17:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 43095 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 3.9   | 3.3   | 4.9   |
| 100      | 6.1   | 3.4   | 5.0#  |



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





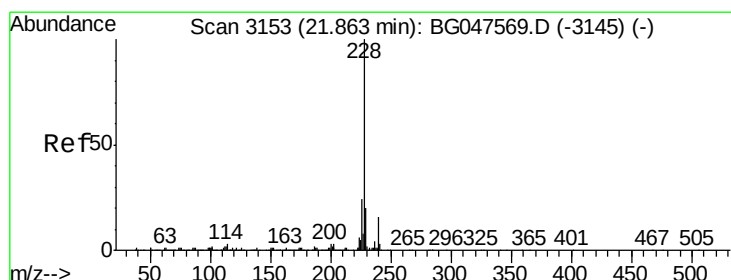
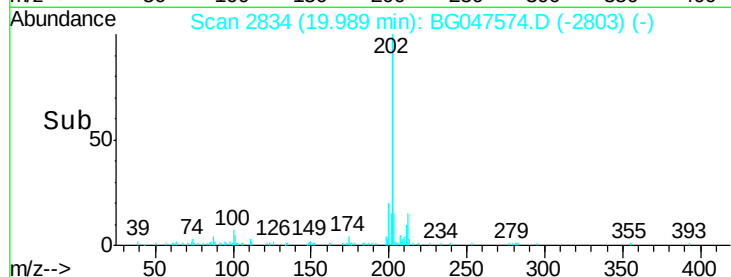
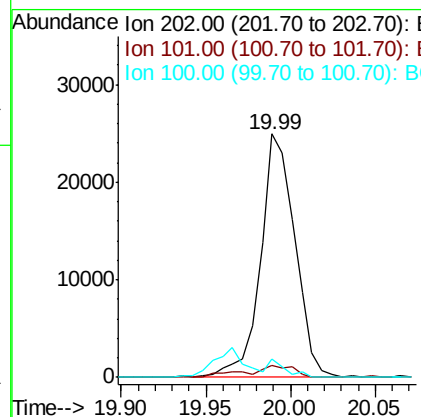
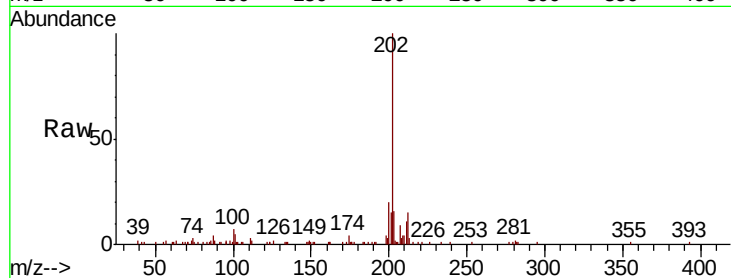
#80  
Pvrene  
Concen: 2.471 ng/ul  
RT: 19.99 min Scan# 2834  
Delta R.T. -0.02 min  
Lab File: BG047574.D  
Acq: 4 Dec 2020 17:15

Instrument :  
BNA\_G  
ClientSampleId :  
C0BD0

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 5.0   | 5.0        | 7.4   |
| 100     | 7.4   | 4.6        | 7.0#  |

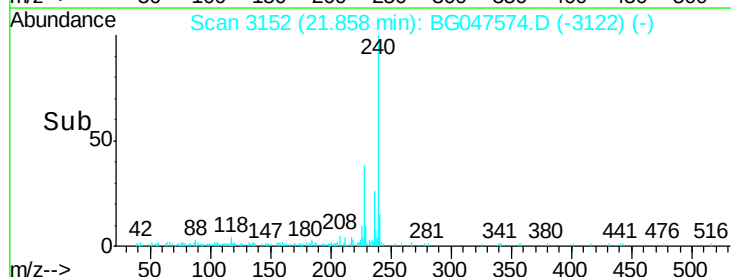
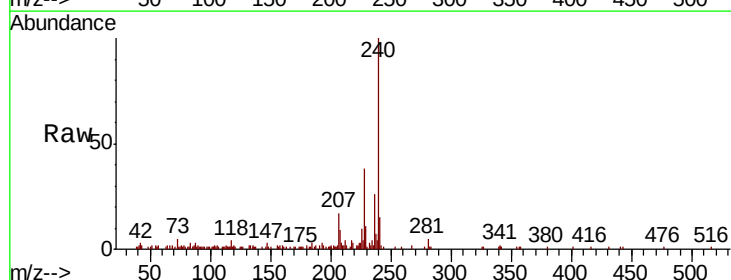
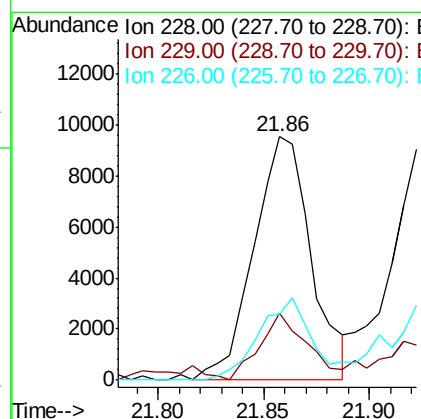
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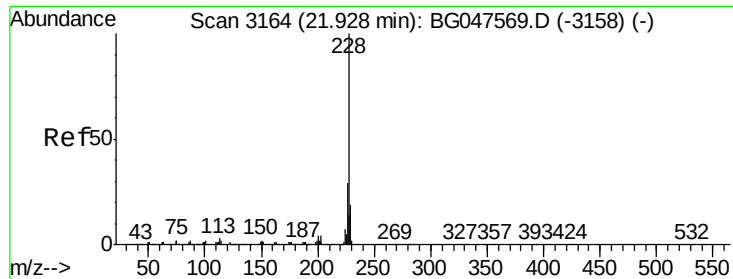
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#83  
Benzo(a)anthracene  
Concen: 1.247 ng/ul  
RT: 21.86 min Scan# 3152  
Delta R.T. -0.02 min  
Lab File: BG047574.D  
Acq: 4 Dec 2020 17:15

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 27.8  | 16.2       | 24.2# |
| 226     | 26.8  | 23.3       | 34.9  |





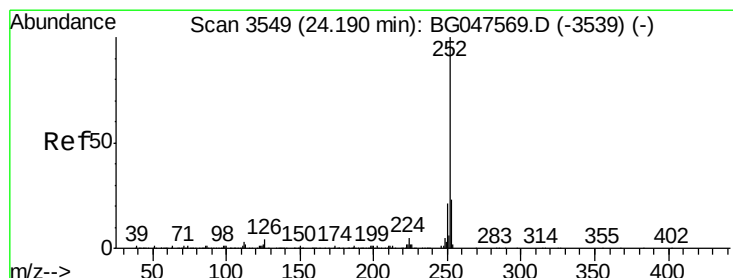
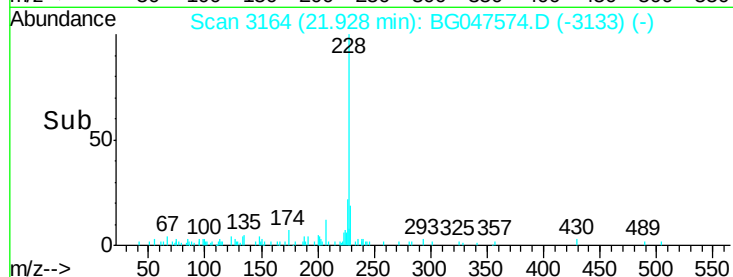
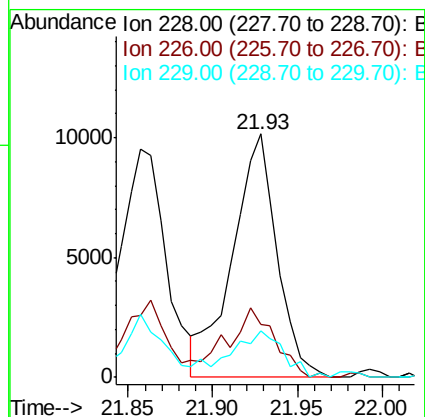
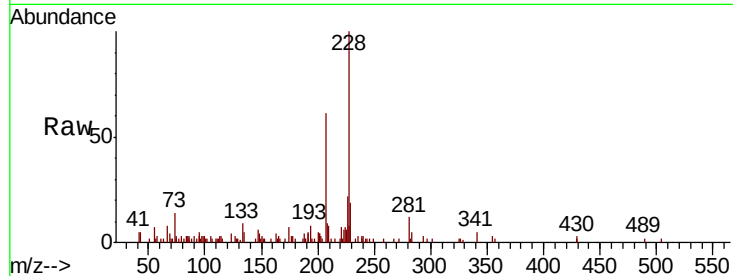
#85  
Chrysene  
Concen: 1.361 ng/ul  
RT: 21.93 min Scan# 3164  
Delta R.T. -0.02 min  
Lab File: BG047574.D  
Acq: 4 Dec 2020 17:15

Instrument :  
BNA\_G  
ClientSampleID :  
C0BD0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 21.7  | 23.8  | 35.6# |
| 229     | 18.9  | 16.3  | 24.5  |

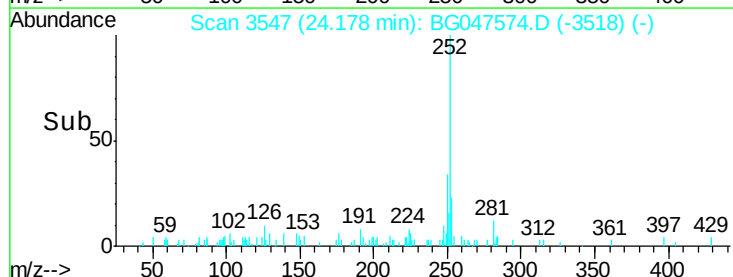
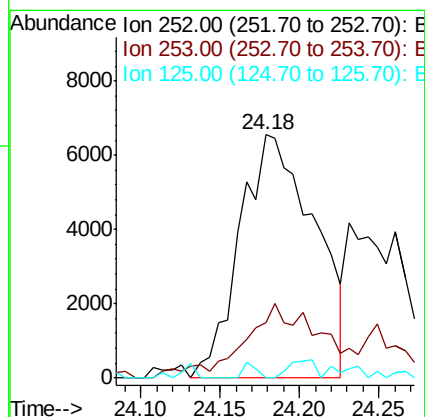
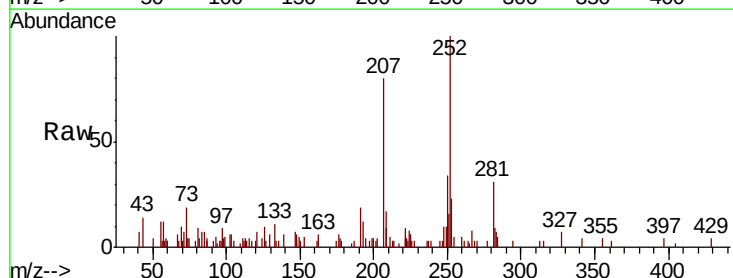
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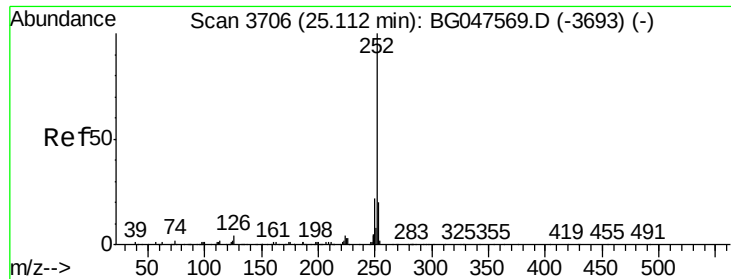
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#88  
Benzo(b)fluoranthene  
Concen: 1.472 ng/ul  
RT: 24.18 min Scan# 3547  
Delta R.T. -0.03 min  
Lab File: BG047574.D  
Acq: 4 Dec 2020 17:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.4  | 27.6  |
| 125     | 0.0   | 2.5   | 3.7#  |





#91

Benzo(a)pyrene

Concen: 1.322 ng/ul m

RT: 25.11 min Scan# 3705

Delta R.T. -0.03 min

Lab File: BG047574.D

Acq: 4 Dec 2020 17:15

Instrument :

BNA\_G

ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 17174 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 19.5  | 17.5  | 26.3  |
| 125       | 4.9   | 3.1   | 4.7#  |

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