

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
 Data File : BG047435.D  
 Acq On : 24 Nov 2020 6:29  
 Operator : CG/JU  
 Sample : L4749-15  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B14

Manual Integrations  
 APPROVED

mohammad  
 11/25/2020 12:47:45 PM

Quant Time: Nov 24 08:16:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 24 07:08:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.27  | 152  | 38929    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.10 | 136  | 151368   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.88 | 164  | 107164   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.61 | 188  | 241266   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.90 | 240  | 216952   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.30 | 264  | 231257   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 1910m  | 1.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.40  | 99  | 51064  | 13.08 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.59  | 67  | 27442  | 12.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.80  | 132 | 37974  | 14.50 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.97  | 113 | 36509  | 12.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.44  | 128 | 18180  | 14.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.16 | 143 | 21706  | 15.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.71 | 165 | 46069  | 14.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 48314  | 15.29 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.28 | 166 | 142376 | 15.48 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.58 | 160 | 174461 | 16.41 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.04 | 143 | 19746  | 14.07 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.87 | 176 | 129803 | 15.40 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 8904   | 6.48  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.71 | 188 | 198888 | 16.62 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.98 | 212 | 237047 | 18.78 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 25.07 | 264 | 228574 | 17.17 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |       | Ovalue |    |
|--------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                | 7.43  | 94  | 7082   | 1.893 | ng/ul# | 77 |
| 45) Dimethylphthalate    | 14.32 | 163 | 20598  | 2.195 | ng/ul# | 89 |
| 77) Fluoranthene         | 19.65 | 202 | 35301  | 2.145 | ng/ul# | 97 |
| 80) Pyrene               | 20.01 | 202 | 27782  | 1.808 | ng/ul# | 94 |
| 83) Benzo(a)anthracene   | 21.88 | 228 | 19644m | 1.273 | ng/ul  |    |
| 85) Chrysene             | 21.95 | 228 | 14960  | 1.018 | ng/ul# | 80 |
| 88) Benzo(b)fluoranthene | 24.22 | 252 | 20180m | 1.236 | ng/ul  |    |
| 91) Benzo(a)pyrene       | 25.14 | 252 | 16083m | 1.105 | ng/ul  |    |

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

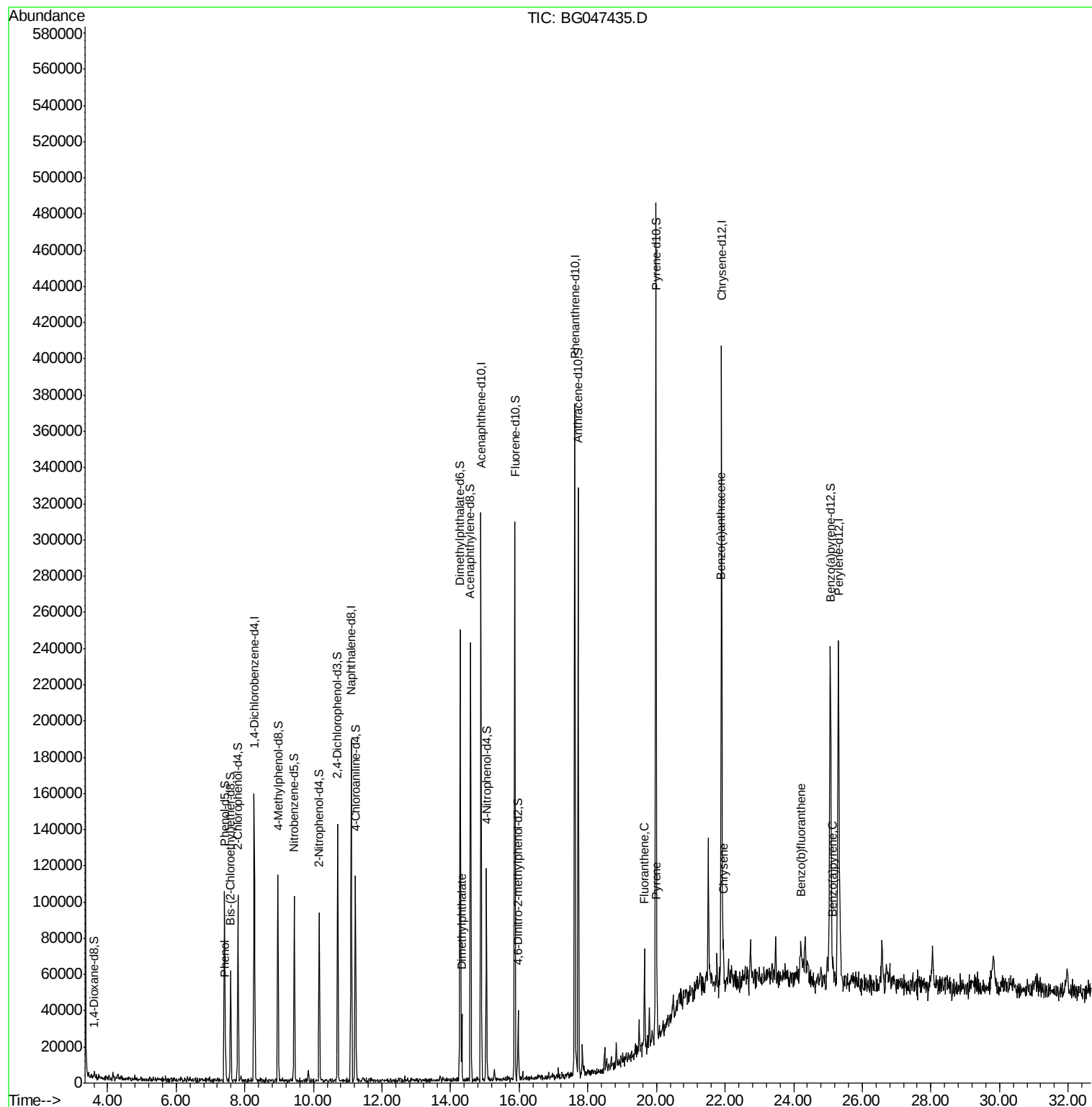
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
Data File : BG047435.D  
Acq On : 24 Nov 2020 6:29  
Operator : CG/JU  
Sample : L4749-15  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

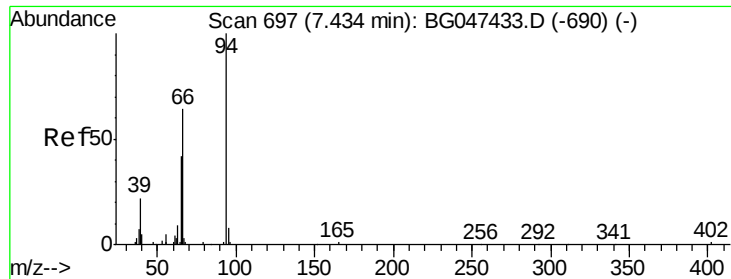
Instrument :  
BNA\_G  
ClientSampleId :  
C0B14

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Quant Time: Nov 24 08:16:45 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 24 07:08:43 2020  
Response via : Initial Calibration





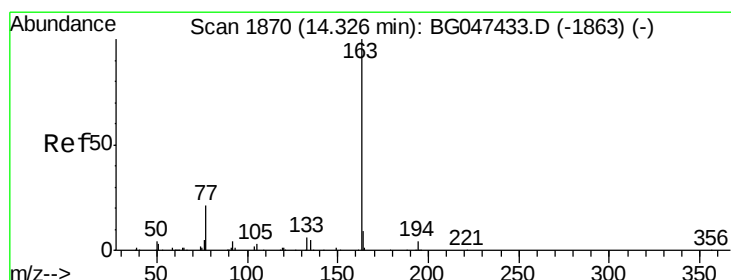
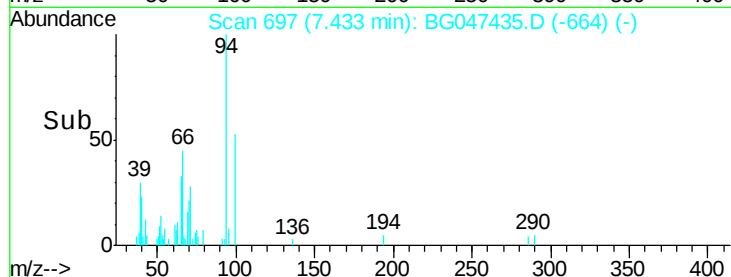
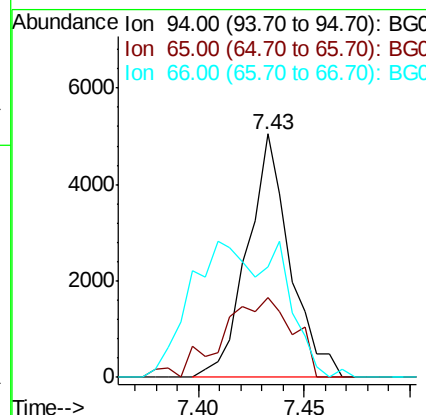
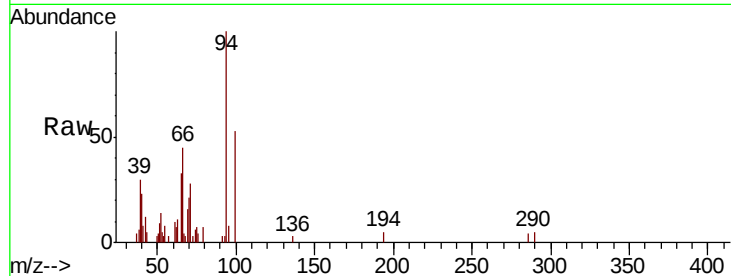
#6  
Phenol  
Concen: 1.893 ng/ul  
RT: 7.43 min Scan# 697  
Delta R.T. -0.01 min  
Lab File: BG047435.D  
Acq: 24 Nov 2020 6:29

Instrument :  
BNA\_G  
ClientSampleId :  
C0B14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 33.0  | 37.8  | 56.8# |
| 66      | 45.3  | 51.6  | 77.4# |

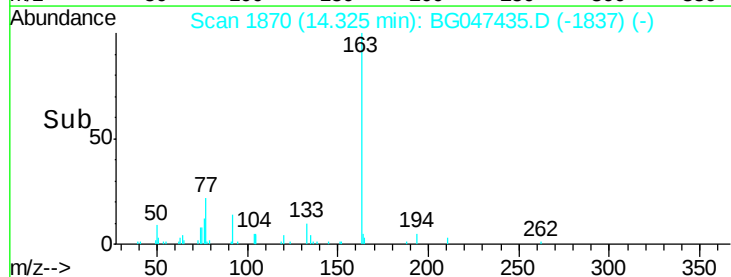
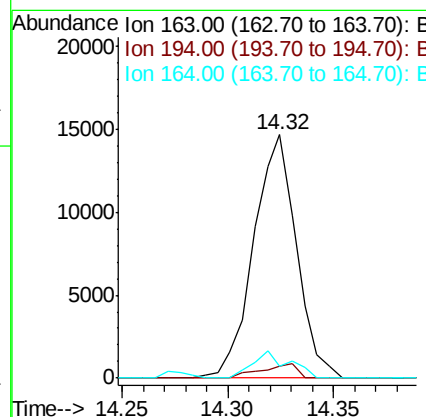
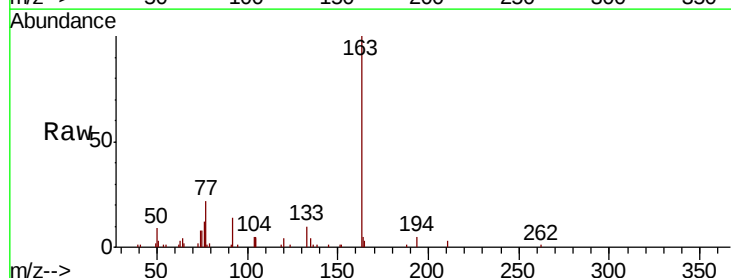
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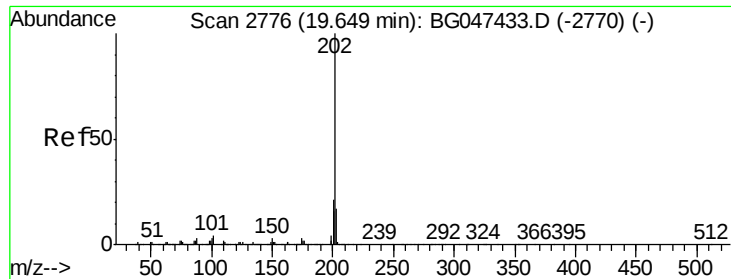
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#45  
Dimethylphthalate  
Concen: 2.195 ng/ul  
RT: 14.32 min Scan# 1870  
Delta R.T. -0.01 min  
Lab File: BG047435.D  
Acq: 24 Nov 2020 6:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.6   | 5.4   |
| 164     | 5.0   | 8.5   | 12.7# |





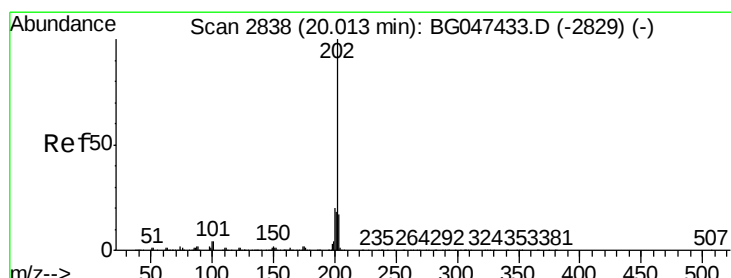
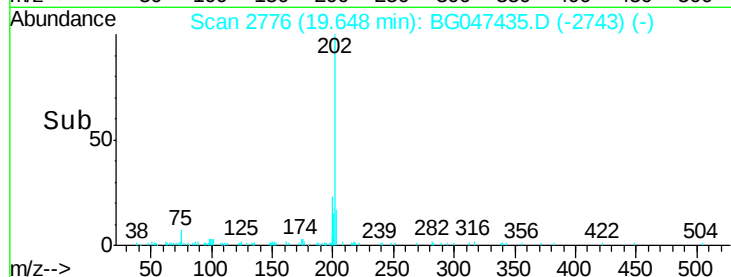
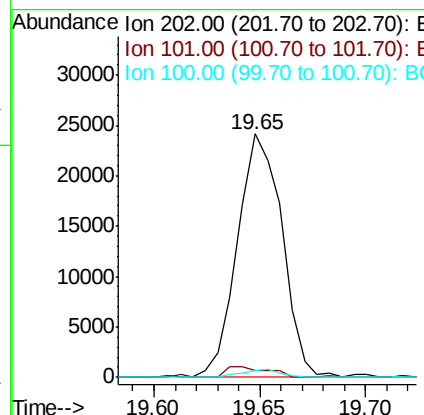
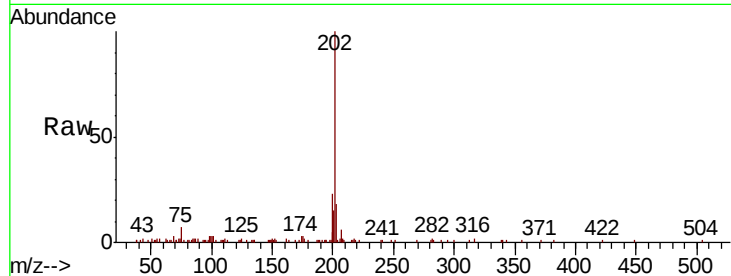
#77  
Fluoranthene  
Concen: 2.145 ng/ul  
RT: 19.65 min Scan# 2776  
Delta R.T. -0.01 min  
Lab File: BG047435.D  
Acq: 24 Nov 2020 6:29

Instrument :  
BNA\_G  
ClientSampleId :  
C0B14

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 2.8 | 3.0   | 4.6# |       |       |
| 100     | 3.0 | 3.0   | 4.6# |       |       |

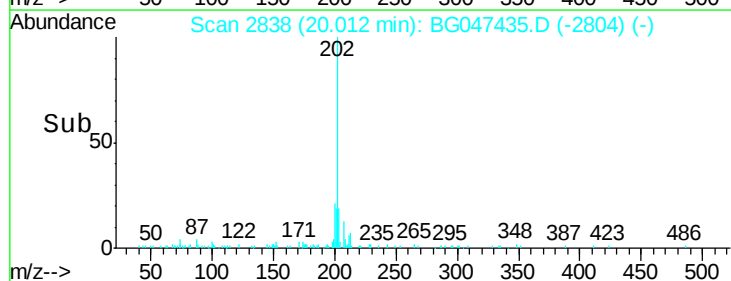
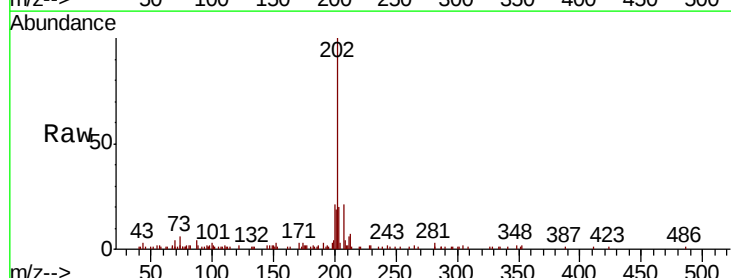
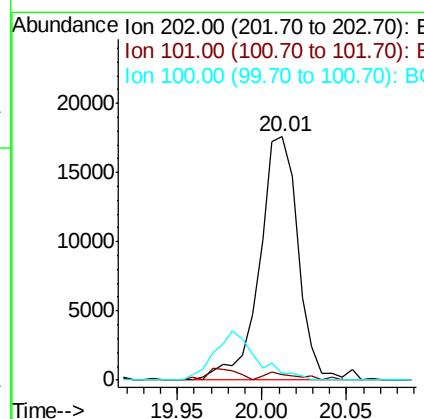
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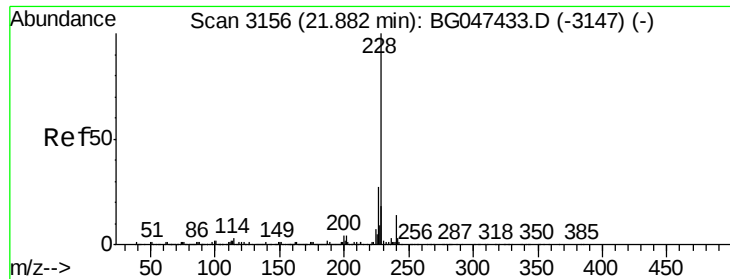
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#80  
Pyrene  
Concen: 1.808 ng/ul  
RT: 20.01 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: BG047435.D  
Acq: 24 Nov 2020 6:29

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 202     | 100 |       |      |       |       |
| 101     | 2.2 | 3.5   | 5.3# |       |       |
| 100     | 2.7 | 3.4   | 5.0# |       |       |





#83

Benzo(a)anthracene

Concen: 1.273 ng/ul

RT: 21.88 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG047435.D

Acq: 24 Nov 2020 6:29

Instrument :

BNA\_G

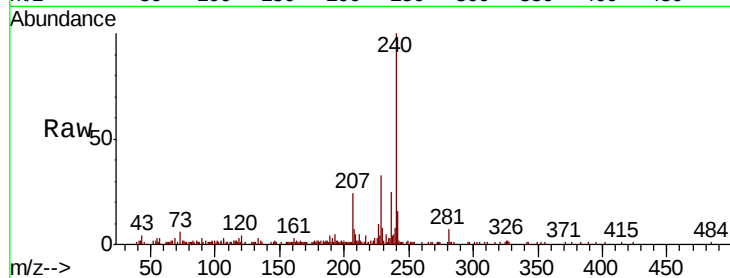
ClientSampled :

C0B14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 19644 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 24.9  | 15.6  | 23.4# |
| 226       | 31.3  | 21.7  | 32.5  |

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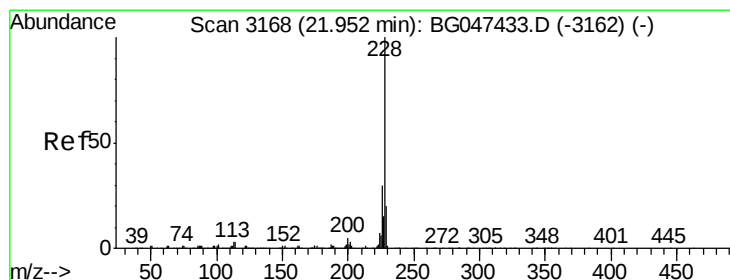
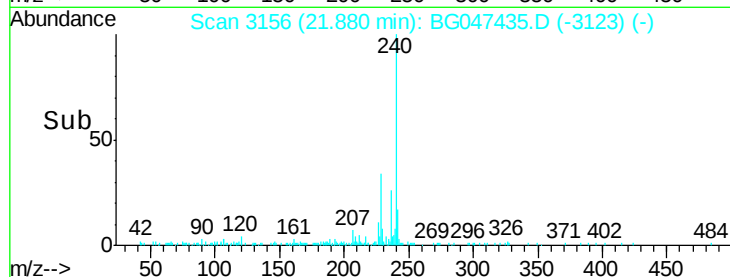
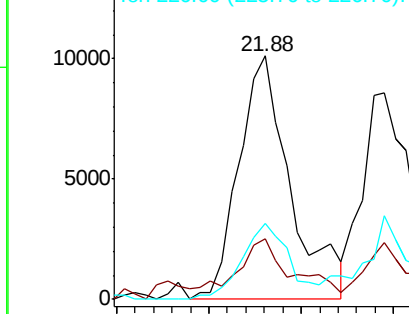


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 1.018 ng/ul

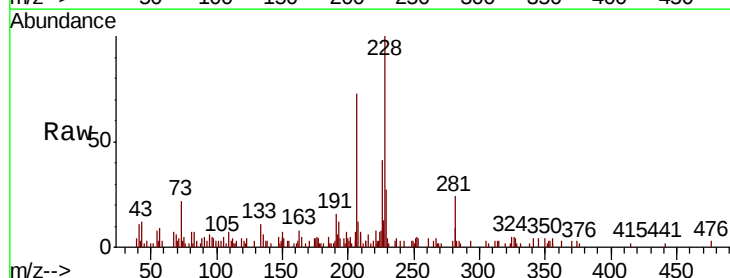
RT: 21.95 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG047435.D

Acq: 24 Nov 2020 6:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 14960 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 40.6  | 22.3  | 33.5# |
| 229       | 27.4  | 16.5  | 24.7# |

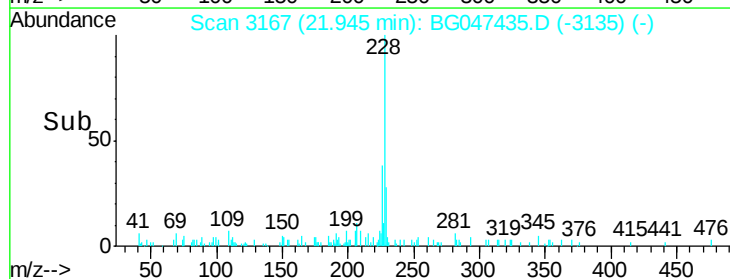
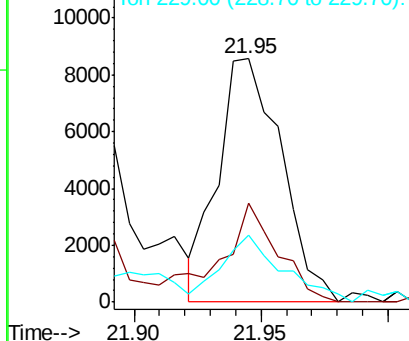


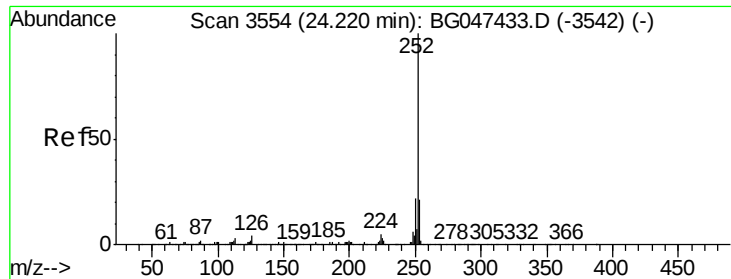
Abundance

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: 1.236 ng/ul m

RT: 24.22 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG047435.D

Acq: 24 Nov 2020 6:29

Instrument :

BNA\_G

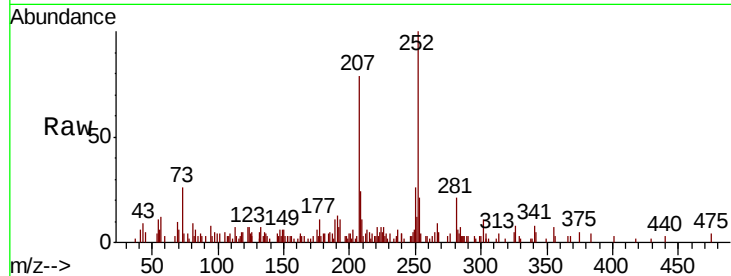
ClientSampled :

C0B14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 16.6  | 25.0  |
| 125     | 4.5   | 2.7   | 4.1   |

Manual Integrations  
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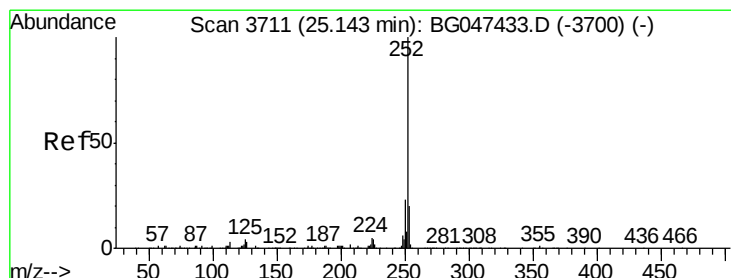
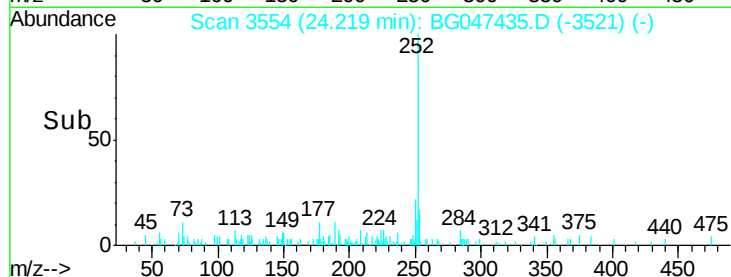
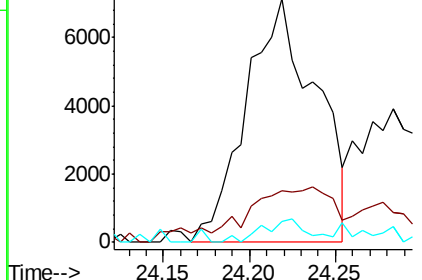
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 1.105 ng/ul m

RT: 25.14 min Scan# 3710

Delta R.T. -0.01 min

Lab File: BG047435.D

Acq: 24 Nov 2020 6:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 13.9  | 18.6  | 27.8  |
| 125     | 7.3   | 3.1   | 4.7   |

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

