

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\  
 Data File : BG046177.D  
 Acq On : 6 Aug 2020 11:14  
 Operator : CG/JU  
 Sample : L3533-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB7H4

Manual Integrations  
 APPROVED

Sohil  
 8/6/2020 1:13:26 PM

Quant Time: Aug 06 11:56:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG072320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 10:37:54 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.95  | 152  | 105352   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.75 | 136  | 415577   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.58 | 164  | 271046   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.32 | 188  | 566794   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.57 | 240  | 572736   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.68 | 264  | 621487   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.42  | 96  | 6019   | 2.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 141094 | 17.07 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.28  | 67  | 86347  | 16.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.48  | 132 | 119458 | 18.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.65  | 113 | 115295 | 16.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.10  | 128 | 55715  | 18.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.82  | 143 | 63376  | 21.14 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.37 | 165 | 130770 | 19.26 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.87 | 131 | 109366 | 14.31 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.98 | 166 | 391843 | 18.54 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.27 | 160 | 504349 | 20.10 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.76 | 143 | 47430  | 13.74 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.57 | 176 | 372557 | 19.36 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.68 | 200 | 43437  | 15.31 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.42 | 188 | 568824 | 21.76 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.70 | 212 | 649457 | 21.44 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.46 | 264 | 728956 | 21.16 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 14) Acetophenone               | 8.77  | 105 | 36853   | 3.581  | ng/ul  | 91 |
| 45) Dimethylphthalate          | 14.03 | 163 | 86425   | 4.077  | ng/ul# | 97 |
| 50) Acenaphthene               | 14.64 | 153 | 46567   | 2.520  | ng/ul  | 99 |
| 54) Dibenzofuran               | 14.98 | 168 | 36237   | 1.438  | ng/ul  | 91 |
| 59) Fluorene                   | 15.62 | 166 | 57047   | 2.669  | ng/ul# | 94 |
| 70) Phenanthrene               | 17.36 | 178 | 795396  | 25.145 | ng/ul  | 99 |
| 72) Anthracene                 | 17.45 | 178 | 209307  | 6.641  | ng/ul  | 99 |
| 75) Carbazole                  | 17.71 | 167 | 81648   | 3.228  | ng/ul  | 98 |
| 77) Fluoranthene               | 19.37 | 202 | 1550563 | 44.687 | ng/ul  | 98 |
| 80) Pyrene                     | 19.73 | 202 | 1334610 | 34.462 | ng/ul  | 98 |
| 83) Benzo(a)anthracene         | 21.54 | 228 | 875375  | 23.208 | ng/ul  | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.47 | 149 | 26533   | 1.372  | ng/ul# | 96 |
| 85) Chrysene                   | 21.61 | 228 | 789673  | 21.537 | ng/ul  | 97 |
| 88) Benzo(b)fluoranthene       | 23.70 | 252 | 1108509 | 26.401 | ng/ul  | 97 |
| 89) Benzo(k)fluoranthene       | 23.75 | 252 | 410024m | 9.946  | ng/ul  |    |
| 91) Benzo(a)pyrene             | 24.53 | 252 | 786128  | 20.417 | ng/ul  | 98 |
| 92) Indeno(1,2,3-cd)pyrene     | 28.19 | 276 | 566805  | 11.788 | ng/ul  | 96 |
| 93) Dibenz(a,h)anthracene      | 28.23 | 278 | 149404  | 3.798  | ng/ul  | 96 |
| 94) Benzo(g,h,i)perylene       | 29.28 | 276 | 524380  | 12.902 | ng/ul  | 99 |

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

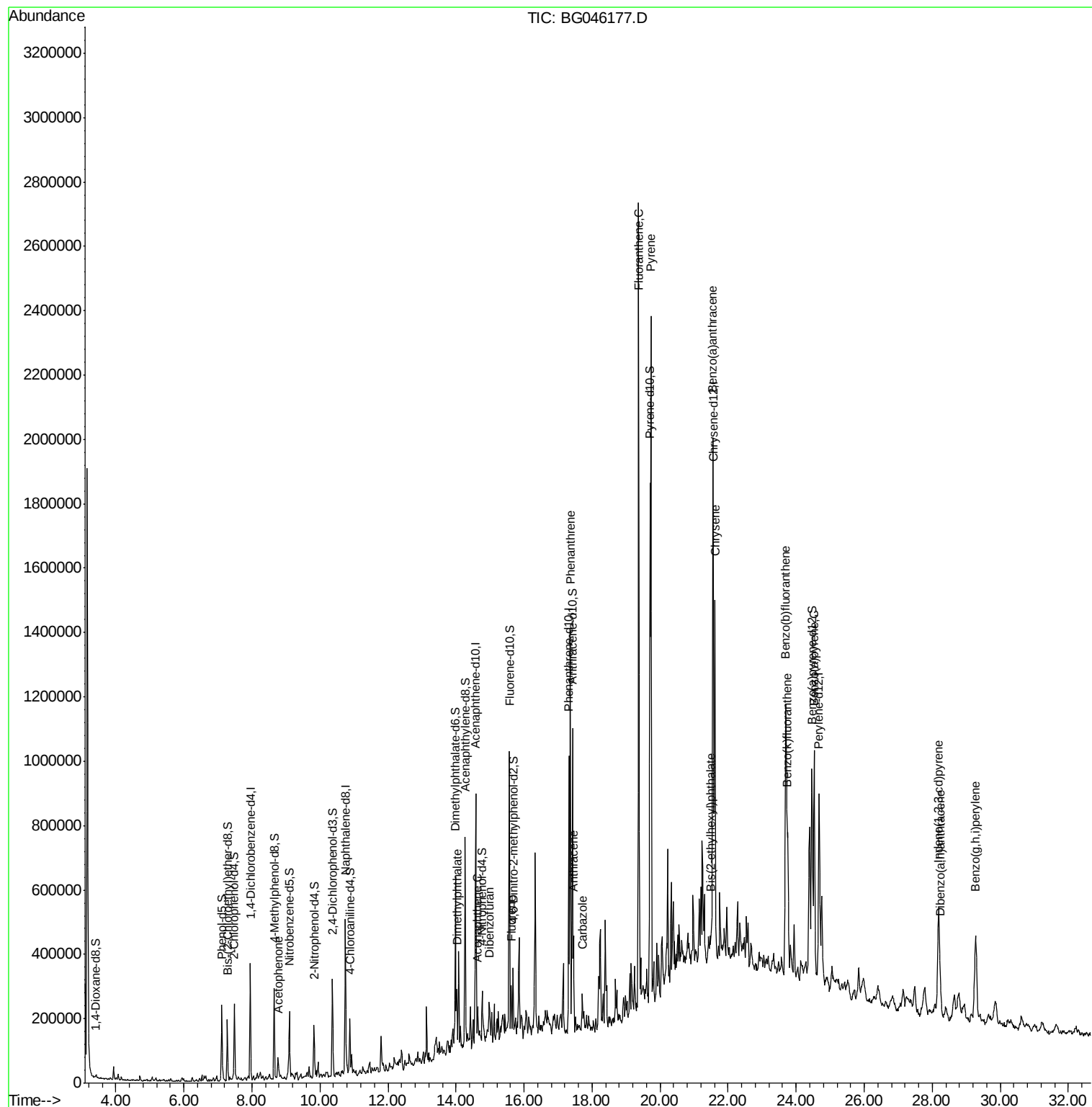
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\  
Data File : BG046177.D  
Acq On : 6 Aug 2020 11:14  
Operator : CG/JU  
Sample : L3533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

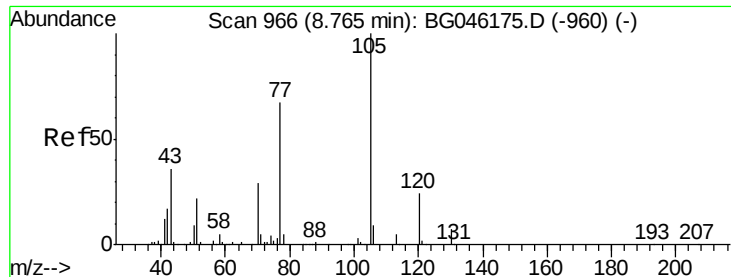
Instrument :  
BNA\_G  
ClientSampled :  
CB7H4

Quant Time: Aug 06 11:56:21 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG072320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 06 10:37:54 2020  
Response via : Initial Calibration

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#14

Acetophenone

Concen: 3.581 ng/ul

RT: 8.77 min Scan# 967

Delta R.T. 0.01 min

Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

Instrument :

BNA\_G

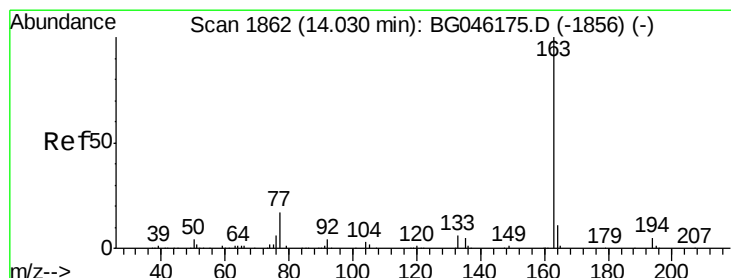
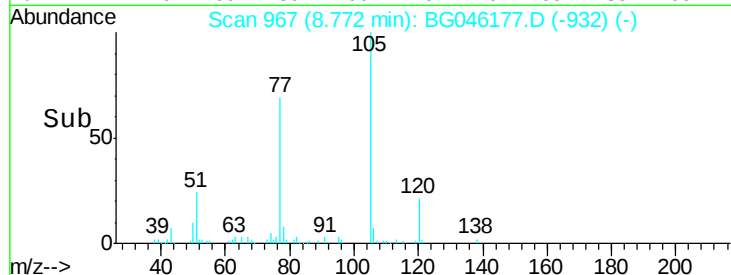
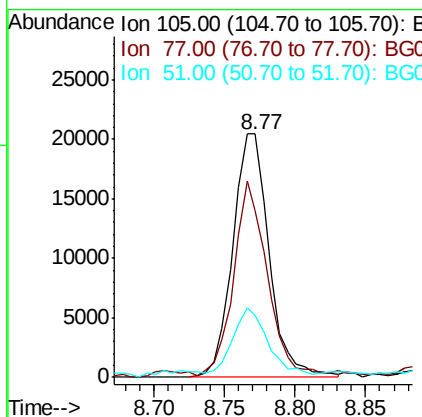
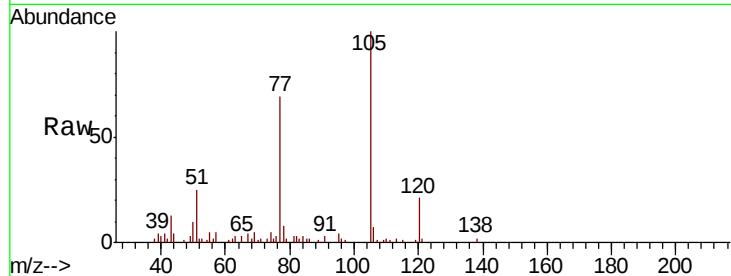
ClientSampled :

CB7H4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 105   | Resp: | 36853 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 77        | 68.6  | 62.2  | 93.2  |
| 51        | 25.5  | 23.0  | 34.6  |

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#45

Dimethylphthalate

Concen: 4.077 ng/ul

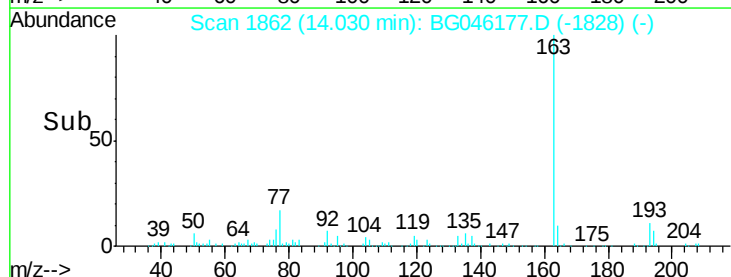
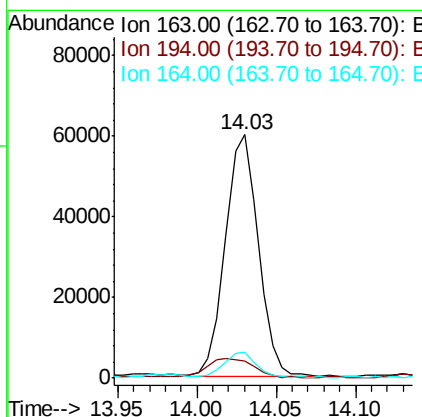
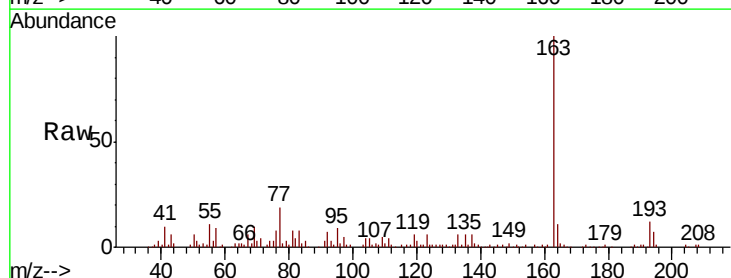
RT: 14.03 min Scan# 1862

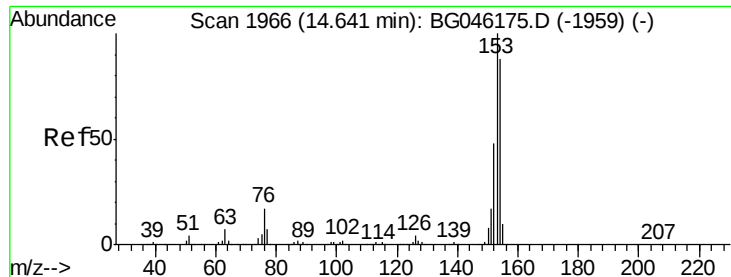
Delta R.T. 0.00 min

Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 86425 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 7.2   | 3.4   | 5.0#  |
| 164       | 10.5  | 8.7   | 13.1  |





#50

Acenaphthene

Concen: 2.520 ng/ul

RT: 14.64 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

Instrument :

BNA\_G

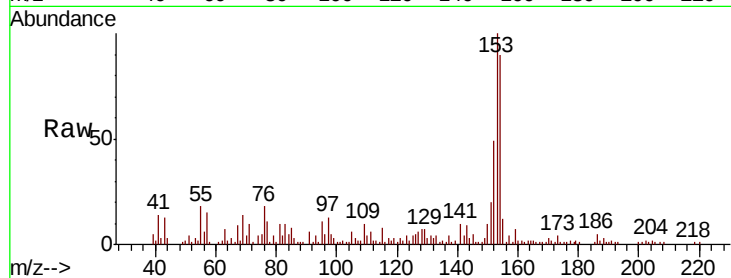
ClientSampleId :

CB7H4

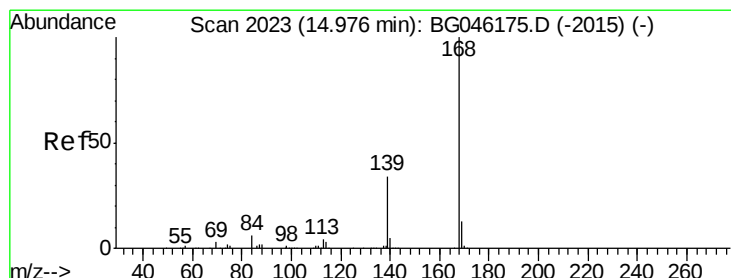
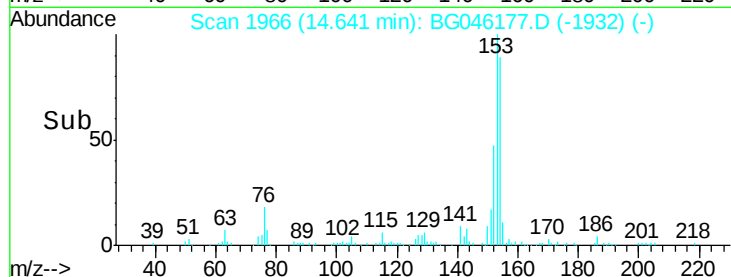
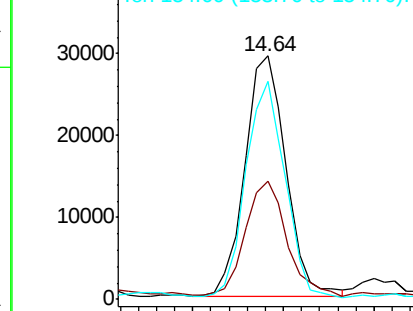
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 153   | Resp: | 46567 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 48.7  | 39.0  | 58.4  |
| 154       | 89.8  | 70.7  | 106.1 |

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Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.438 ng/ul

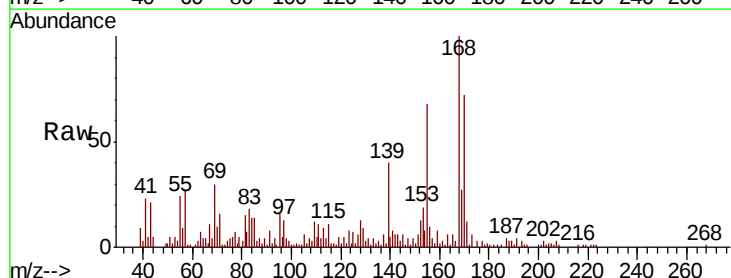
RT: 14.98 min Scan# 2023

Delta R.T. 0.00 min

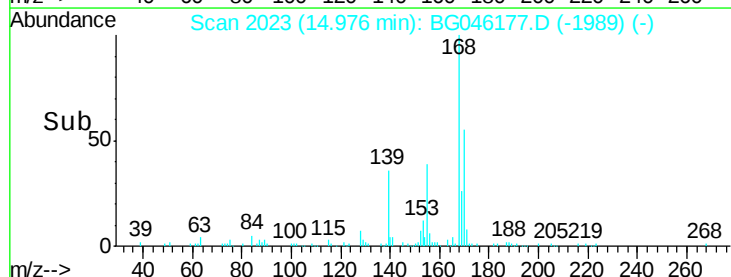
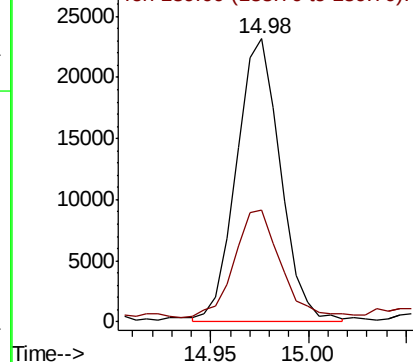
Lab File: BG046177.D

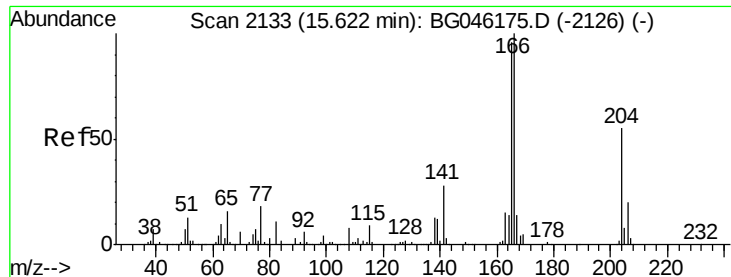
Acq: 6 Aug 2020 11:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 36237 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 39.6  | 27.7  | 41.5  |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E





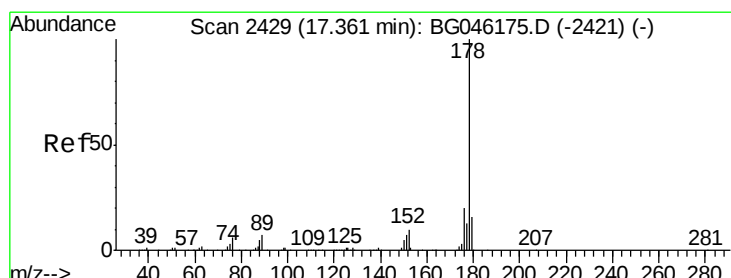
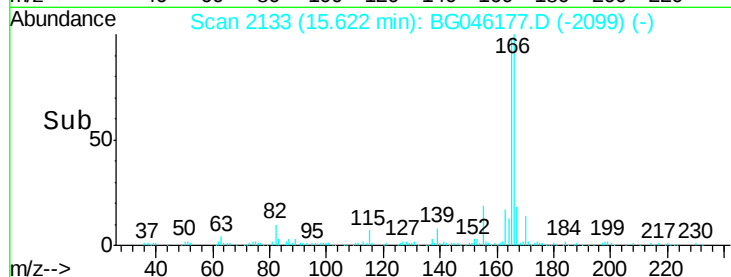
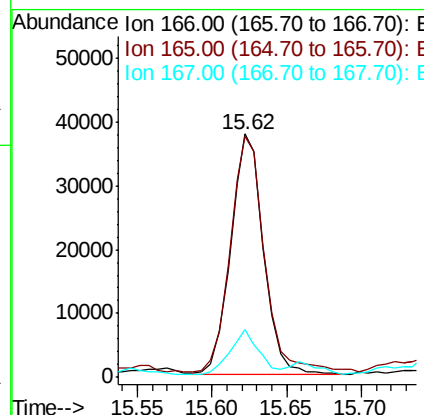
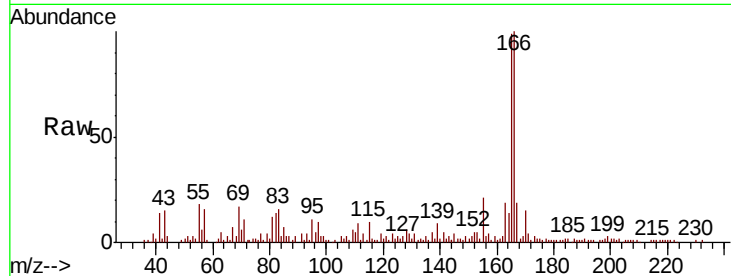
#59  
Fluorene  
Concen: 2.669 ng/ul  
RT: 15.62 min Scan# 2133  
Delta R.T. 0.00 min  
Lab File: BG046177.D  
Acq: 6 Aug 2020 11:14

Instrument :  
BNA\_G  
ClientSampled :  
CB7H4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.1  | 75.3  | 112.9 |
| 167     | 19.4  | 11.0  | 16.4  |

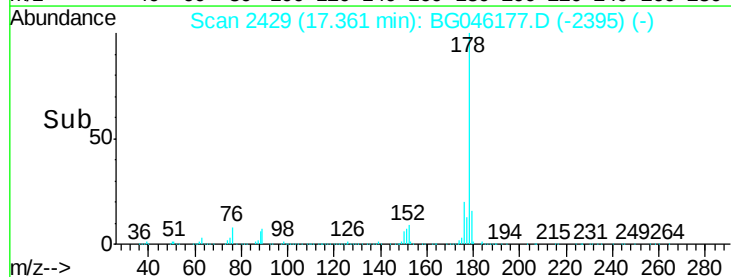
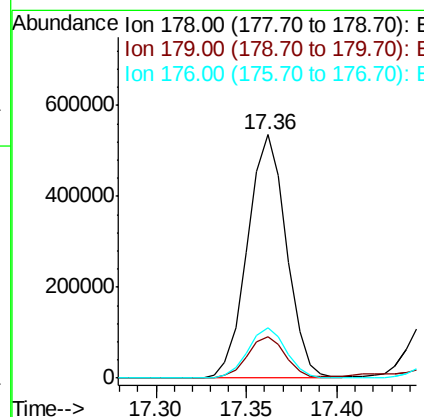
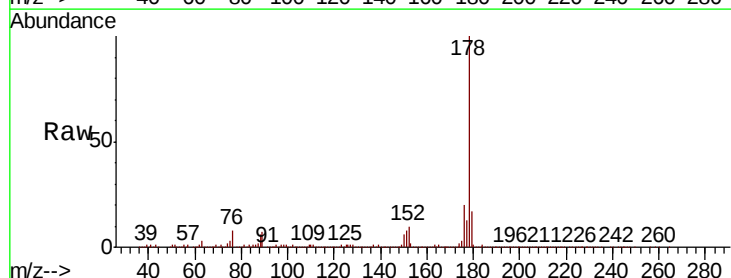
Manual Integrations  
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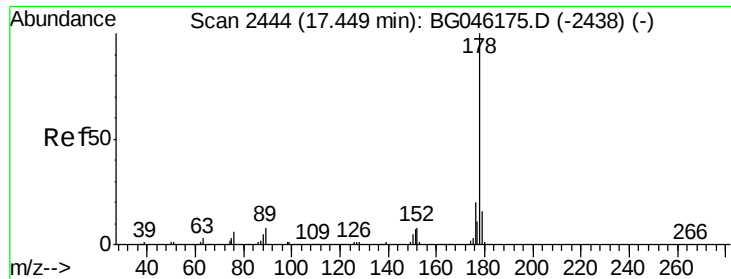
Sohil  
8/6/2020 1:13:26 PM



#70  
Phenanthrene  
Concen: 25.145 ng/ul  
RT: 17.36 min Scan# 2429  
Delta R.T. 0.00 min  
Lab File: BG046177.D  
Acq: 6 Aug 2020 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.7  | 13.0  | 19.6  |
| 176     | 20.5  | 16.0  | 24.0  |





#72

Anthracene

Concen: 6.641 ng/ul

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

Instrument :

BNA\_G

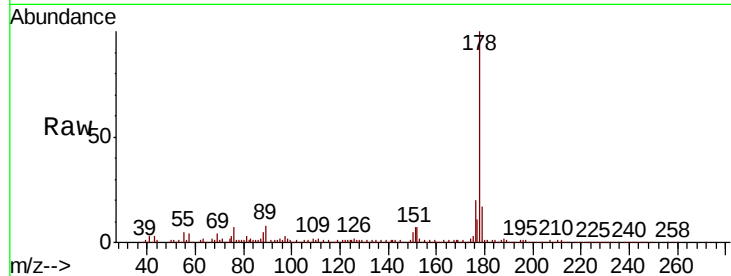
ClientSampleId :

CB7H4

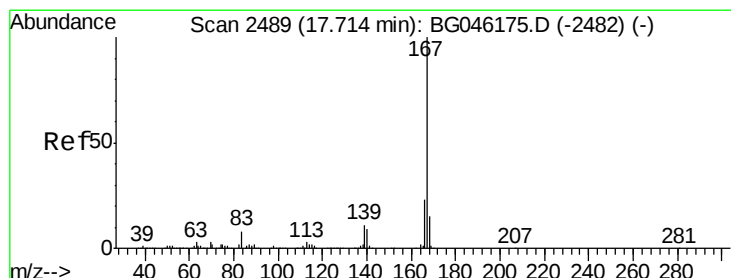
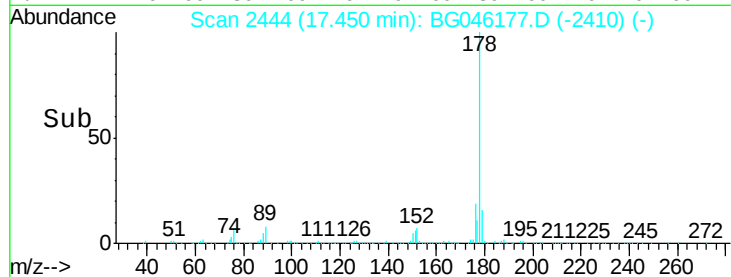
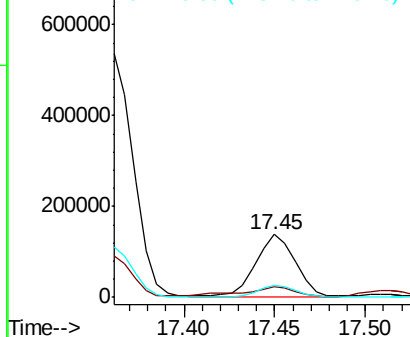
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|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 209307 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 16.6  | 12.7  | 19.1   |
| 176       | 19.5  | 15.8  | 23.8   |

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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: 3.228 ng/ul

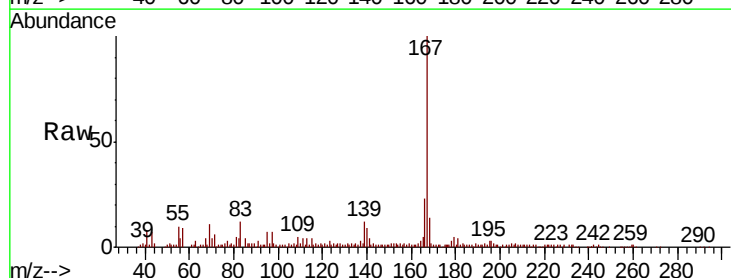
RT: 17.71 min Scan# 2489

Delta R.T. 0.00 min

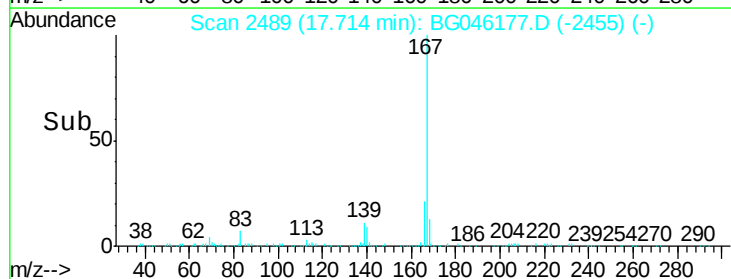
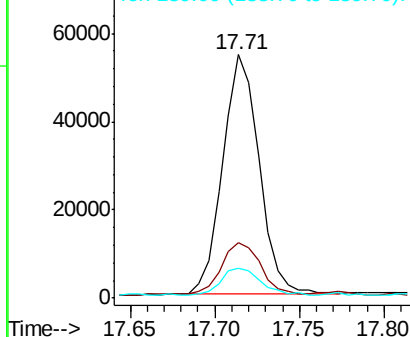
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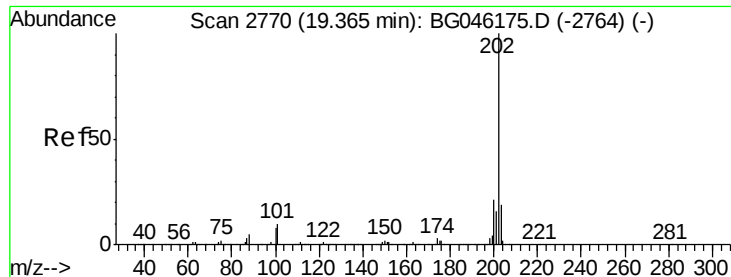
Acq: 6 Aug 2020 11:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 81648 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 22.5  | 18.8  | 28.2  |
| 139       | 12.3  | 9.7   | 14.5  |



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





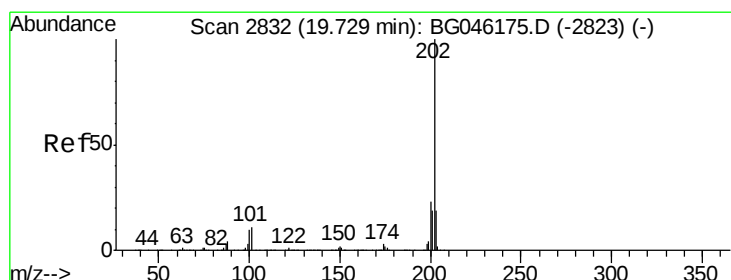
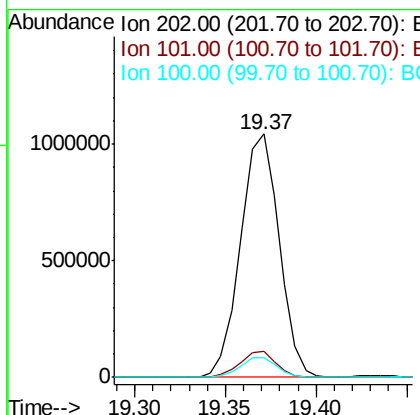
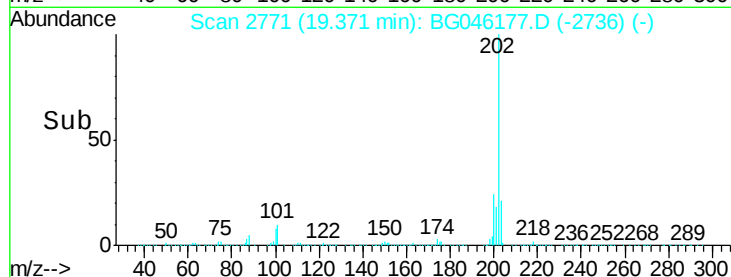
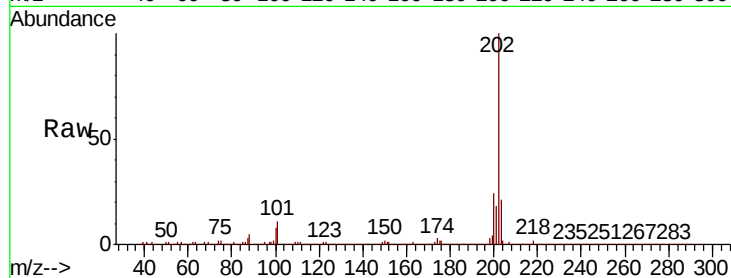
#77  
**Fluoranthene**  
 Concen: 44.687 ng/ul  
 RT: 19.37 min Scan# 2771  
 Delta R.T. 0.01 min  
 Lab File: BG046177.D  
 Acq: 6 Aug 2020 11:14

Instrument :  
 BNA\_G  
 ClientSampled :  
 CB7H4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.6  | 7.8   | 11.6  |
| 100     | 7.9   | 6.5   | 9.7   |

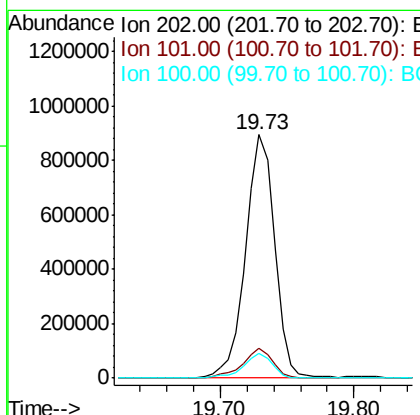
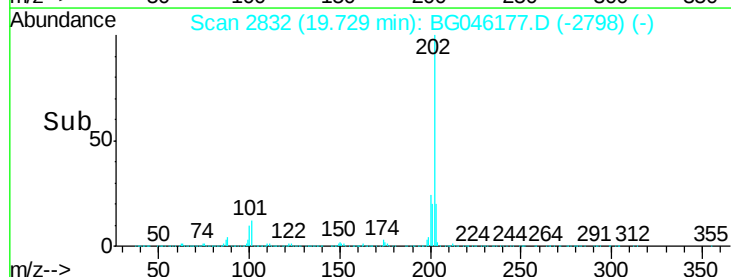
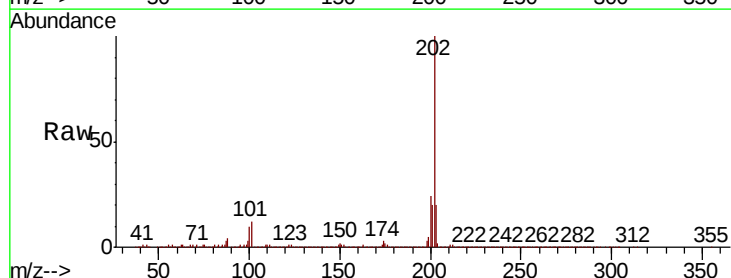
Manual Integrations  
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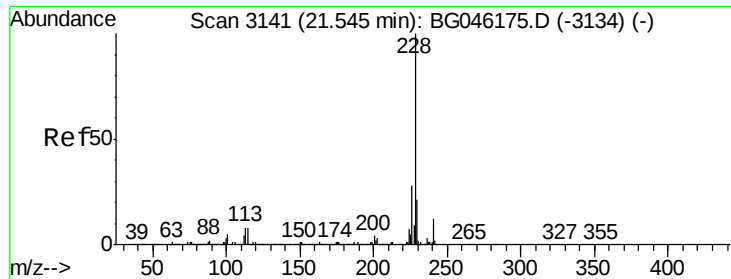
Sohil  
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#80  
**Pyrene**  
 Concen: 34.462 ng/ul  
 RT: 19.73 min Scan# 2832  
 Delta R.T. 0.00 min  
 Lab File: BG046177.D  
 Acq: 6 Aug 2020 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
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| 101     | 12.3  | 9.0   | 13.4  |
| 100     | 10.0  | 7.6   | 11.4  |





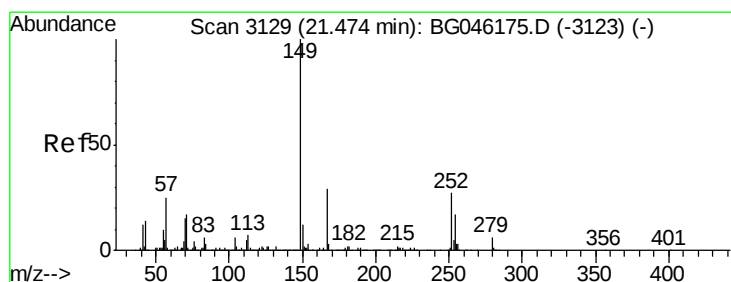
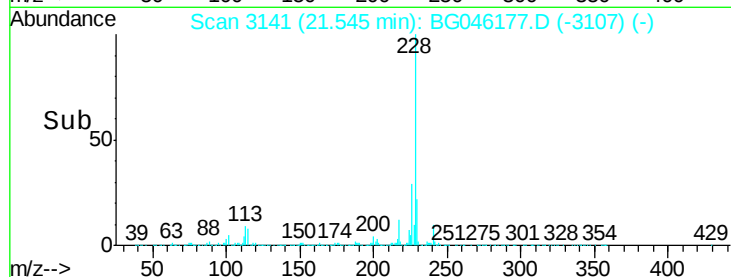
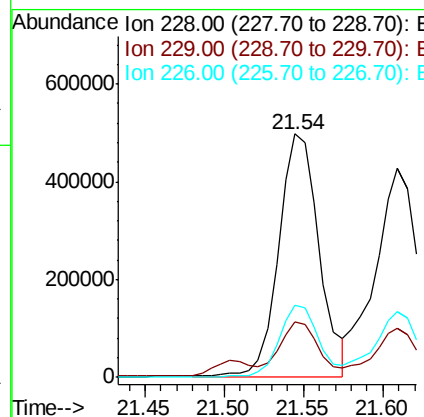
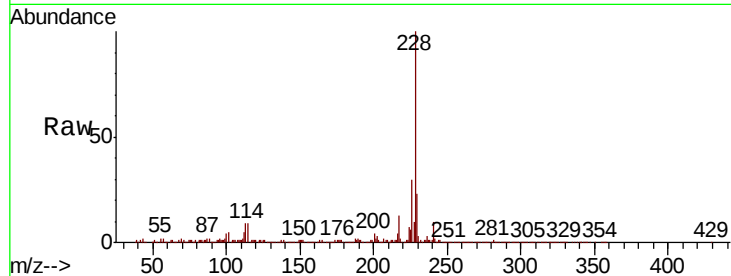
#83  
Benzo(a)anthracene  
Concen: 23.208 ng/ul  
RT: 21.54 min Scan# 3141  
Delta R.T. 0.00 min  
Lab File: BG046177.D  
Acq: 6 Aug 2020 11:14

Instrument :  
BNA\_G  
ClientSampleId :  
CB7H4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.6  | 16.2  | 24.4  |
| 226     | 29.6  | 22.6  | 33.8  |

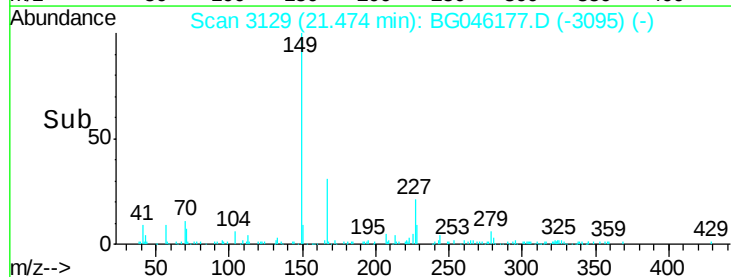
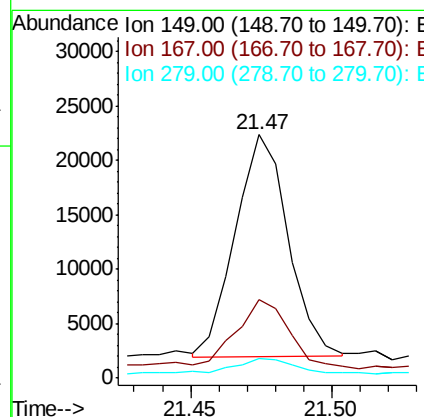
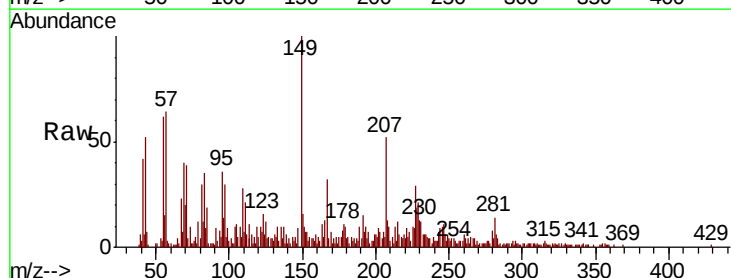
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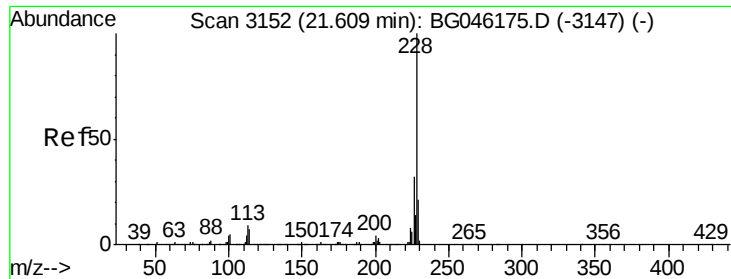
Sohil  
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 1.372 ng/ul  
RT: 21.47 min Scan# 3129  
Delta R.T. 0.00 min  
Lab File: BG046177.D  
Acq: 6 Aug 2020 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 32.3  | 24.6  | 37.0  |
| 279     | 8.0   | 4.1   | 6.1#  |





#85

Chrysene

Concen: 21.537 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

Instrument :

BNA\_G

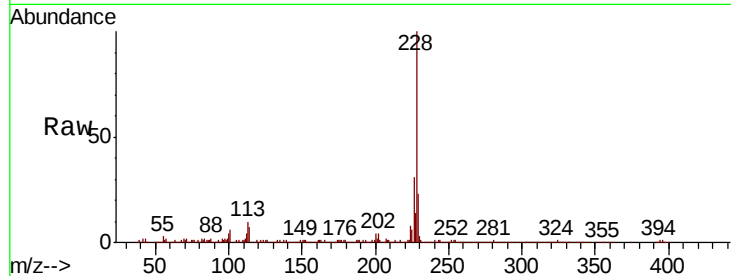
ClientSampled :

CB7H4

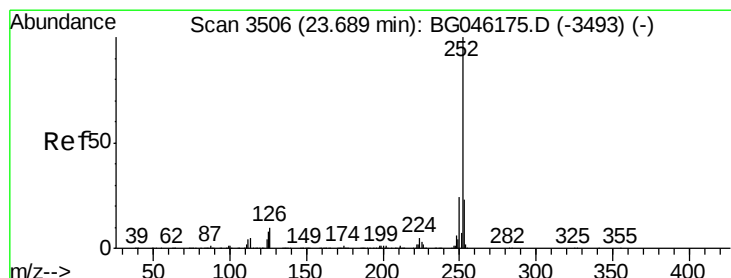
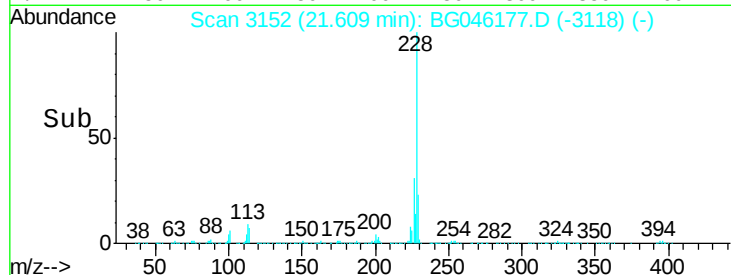
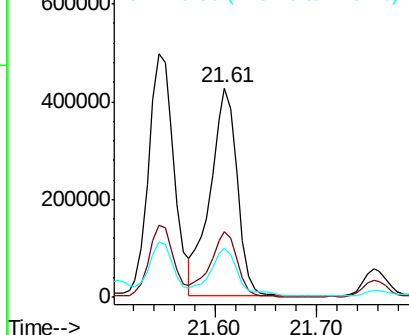
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 789673 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.1  | 25.3  | 37.9   |
| 229       | 23.5  | 16.9  | 25.3   |

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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: 26.401 ng/ul

RT: 23.70 min Scan# 3507

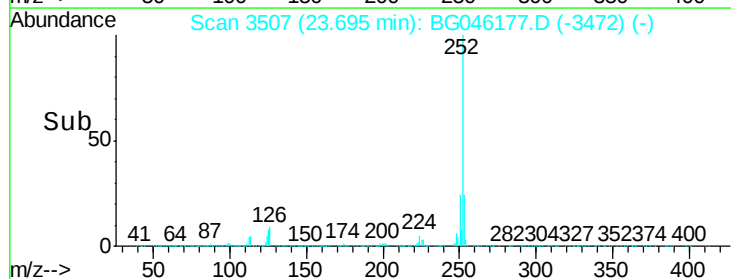
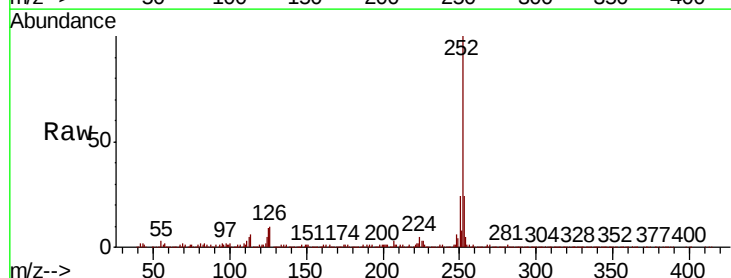
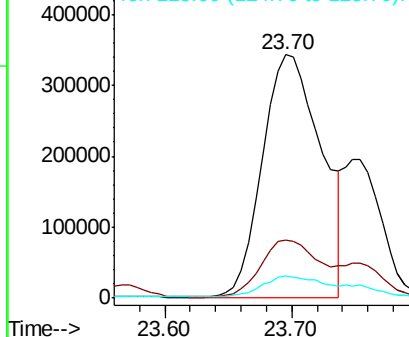
Delta R.T. 0.01 min

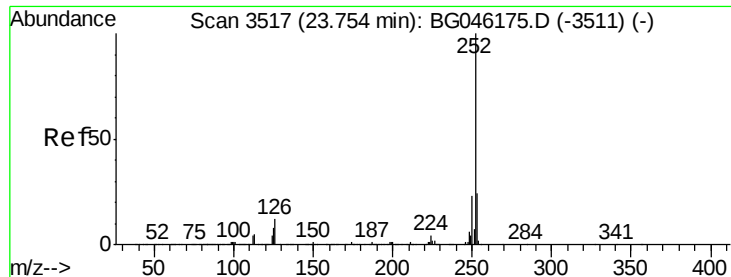
Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1108509 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 24.0  | 18.0  | 27.0    |
| 125       | 9.0   | 6.3   | 9.5     |

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





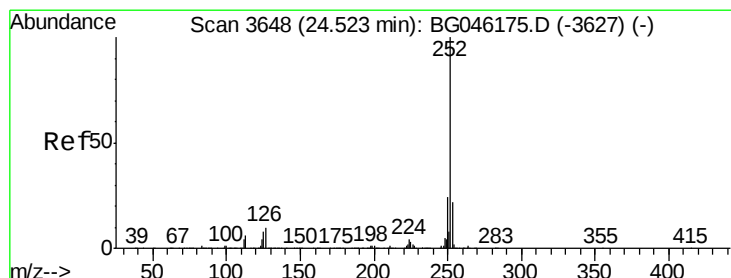
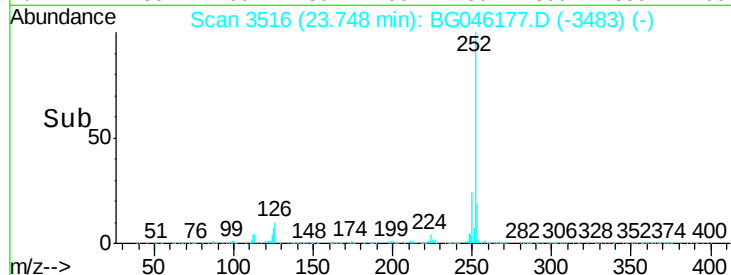
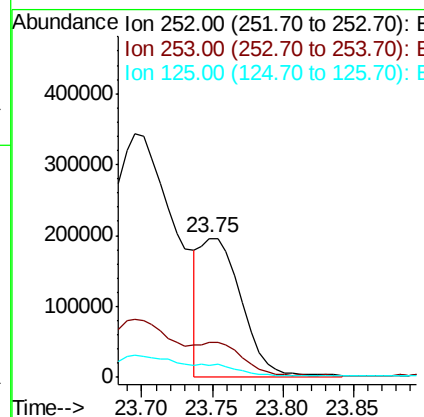
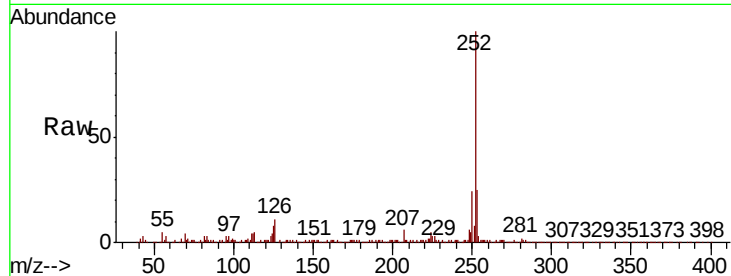
#89  
Benzo(k)fluoranthene  
Concen: 9.946 ng/ul m  
RT: 23.75 min Scan# 3516  
Delta R.T. -0.01 min  
Lab File: BG046177.D  
Acq: 6 Aug 2020 11:14

Instrument :  
BNA\_G  
ClientSampled :  
CB7H4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 18.8  | 28.2  |
| 125     | 8.4   | 6.7   | 10.1  |

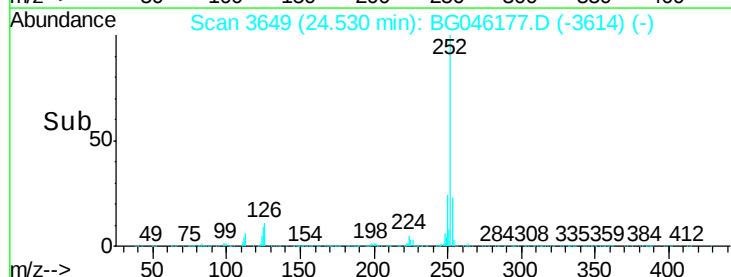
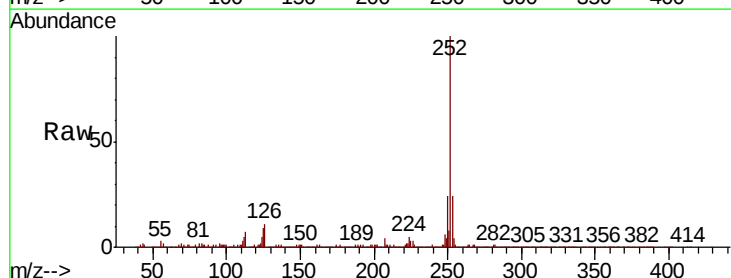
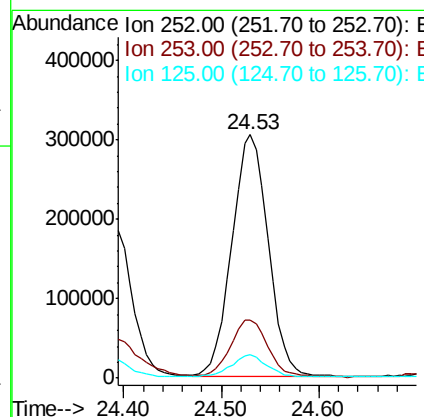
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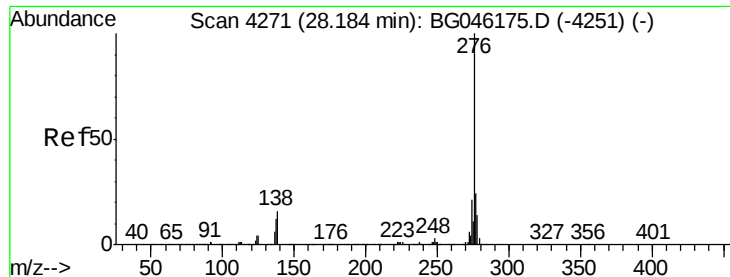
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#91  
Benzo(a)pyrene  
Concen: 20.417 ng/ul  
RT: 24.53 min Scan# 3649  
Delta R.T. 0.01 min  
Lab File: BG046177.D  
Acq: 6 Aug 2020 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.6  | 26.4  |
| 125     | 9.5   | 7.4   | 11.2  |





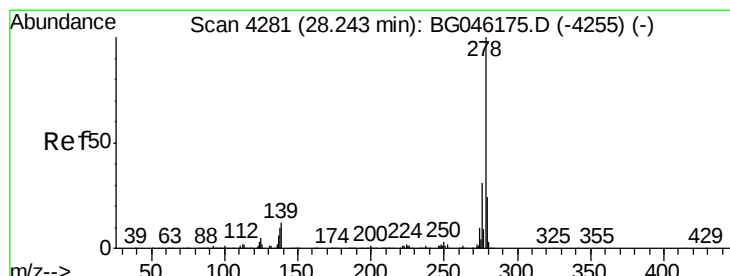
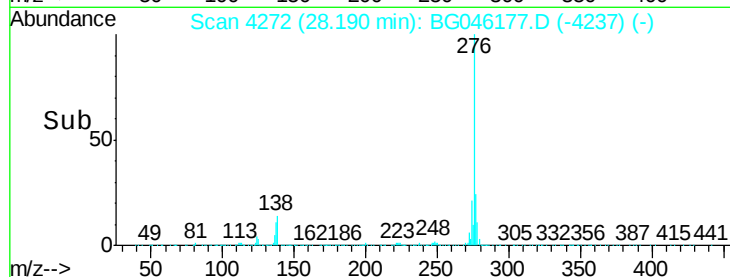
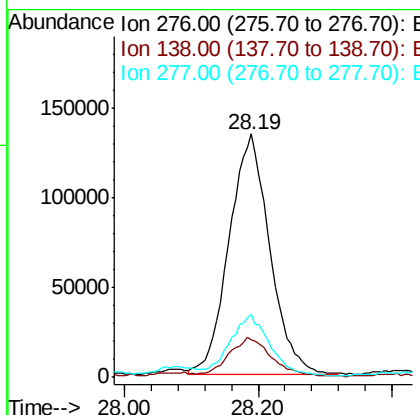
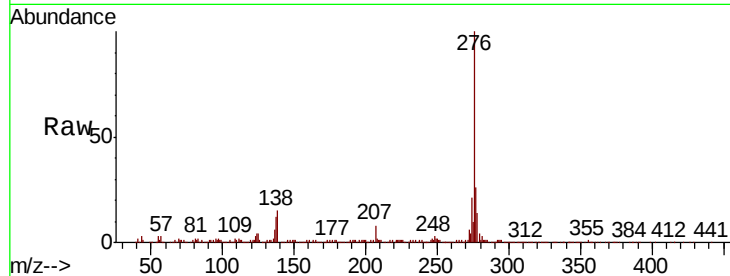
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 11.788 ng/ul  
 RT: 28.19 min Scan# 4272  
 Delta R.T. 0.01 min  
 Lab File: BG046177.D  
 Acq: 6 Aug 2020 11:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB7H4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 566805 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 15.2  | 12.6  | 18.8   |
| 277       | 26.1  | 18.5  | 27.7   |

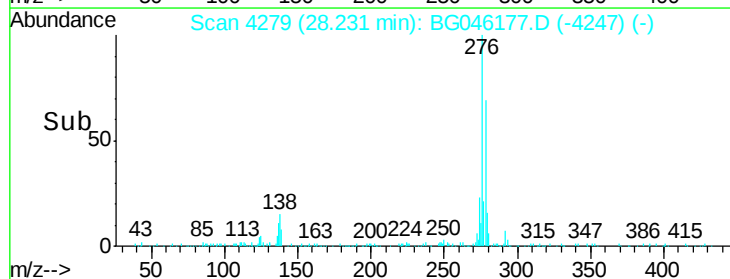
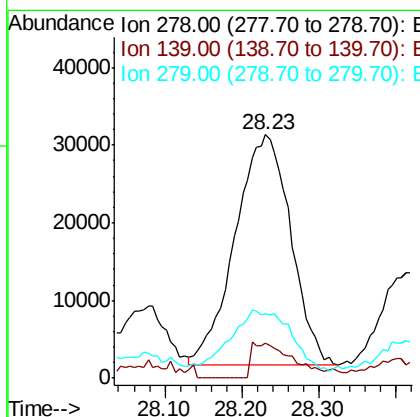
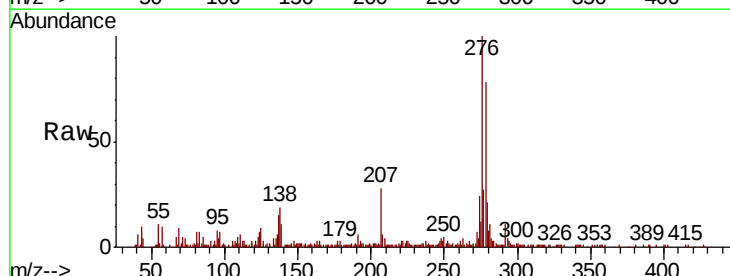
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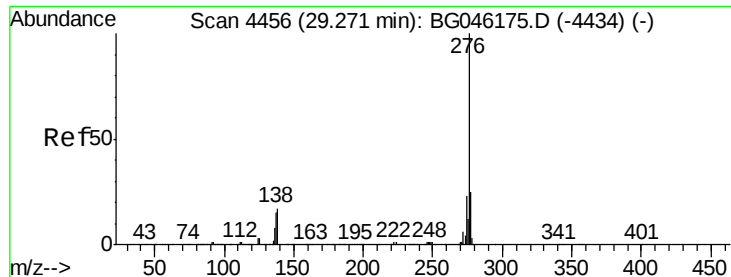
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#93  
 Dibenzo(a,h)anthracene  
 Concen: 3.798 ng/ul  
 RT: 28.23 min Scan# 4279  
 Delta R.T. -0.01 min  
 Lab File: BG046177.D  
 Acq: 6 Aug 2020 11:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 149404 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 14.6  | 10.6  | 16.0   |
| 279       | 26.4  | 19.4  | 29.0   |





#94

Benzo(a,h,i)perylene

Concen: 12.902 ng/ul

RT: 29.28 min Scan# 4457

Delta R.T. 0.01 min

Lab File: BG046177.D

Acq: 6 Aug 2020 11:14

Instrument :

BNA\_G

ClientSampleId :

CB7H4

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 524380 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 16.9  | 13.6  | 20.4   |
| 277       | 23.9  | 18.8  | 28.2   |

Manual Integrations  
APPROVED

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