

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081220\  
 Data File : BG046235.D  
 Acq On : 12 Aug 2020 17:42  
 Operator : CG/JU  
 Sample : L3612-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBFP2

Manual Integrations  
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 8/13/2020 11:47:03 AM

Quant Time: Aug 12 18:27:54 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG072320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 13:12:31 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.95  | 152  | 104712   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.75 | 136  | 414563   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.58 | 164  | 266697   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.31 | 188  | 619723   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.56 | 240  | 644742   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.66 | 264  | 691090   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.42  | 96  | 6954   | 3.28  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 138514 | 16.86 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.28  | 67  | 96404  | 18.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.48  | 132 | 123438 | 18.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.65  | 113 | 86888  | 12.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.10  | 128 | 63934  | 21.84 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.83  | 143 | 73263  | 24.49 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.37 | 165 | 124758 | 18.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.87 | 131 | 131913 | 17.30 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.98 | 166 | 450916 | 21.68 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.26 | 160 | 502899 | 20.37 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.76 | 143 | 53174  | 15.65 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.57 | 176 | 394942 | 20.86 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 64330  | 20.74 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.41 | 188 | 562037 | 19.67 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.70 | 212 | 672347 | 19.72 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.45 | 264 | 733710 | 19.16 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       | Ovalue    |
|----------------------------|-------|-----|--------|-------|-----------|
| 45) Dimethylphthalate      | 14.02 | 163 | 127948 | 6.134 | ng/ul 99  |
| 70) Phenanthrene           | 17.36 | 178 | 54814  | 1.585 | ng/ul 93  |
| 77) Fluoranthene           | 19.36 | 202 | 160638 | 4.234 | ng/ul 97  |
| 80) Pyrene                 | 19.73 | 202 | 130041 | 2.983 | ng/ul 97  |
| 83) Benzo(a)anthracene     | 21.54 | 228 | 76227  | 1.795 | ng/ul 99  |
| 85) Chrysene               | 21.60 | 228 | 88684  | 2.149 | ng/ul 97  |
| 88) Benzo(b)fluoranthene   | 23.68 | 252 | 139870 | 2.996 | ng/ul 100 |
| 91) Benzo(a)pyrene         | 24.52 | 252 | 74132  | 1.731 | ng/ul 98  |
| 92) Indeno(1,2,3-cd)pyrene | 28.15 | 276 | 63922m | 1.195 | ng/ul     |
| 94) Benzo(a,h,i)perylene   | 29.25 | 276 | 53790m | 1.190 | ng/ul     |

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

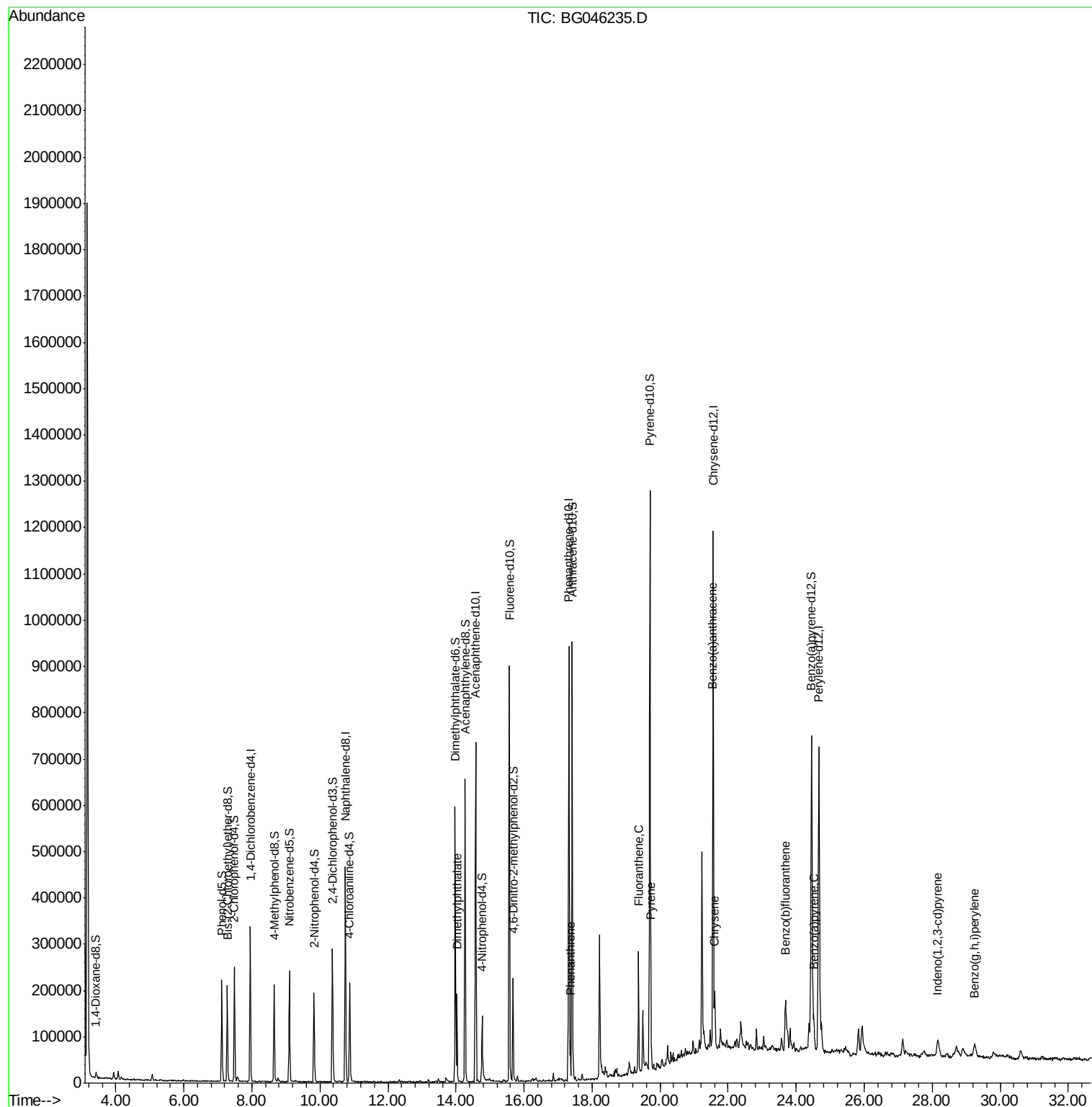
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081220\  
Data File : BG046235.D  
Acq On : 12 Aug 2020 17:42  
Operator : CG/JU  
Sample : L3612-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

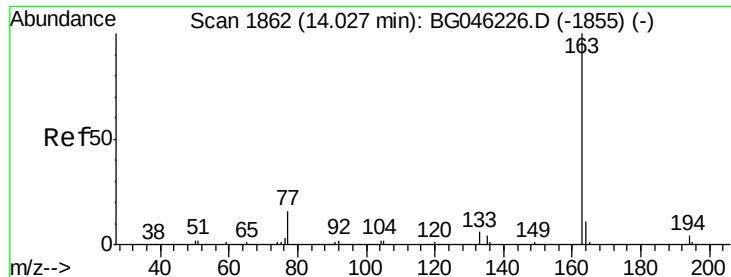
Instrument :  
BNA\_G  
ClientSampleId :  
DBFP2

Quant Time: Aug 12 18:27:54 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG072320MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 12 13:12:31 2020  
Response via : Initial Calibration

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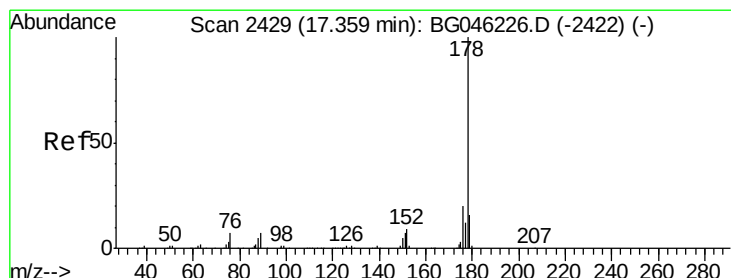
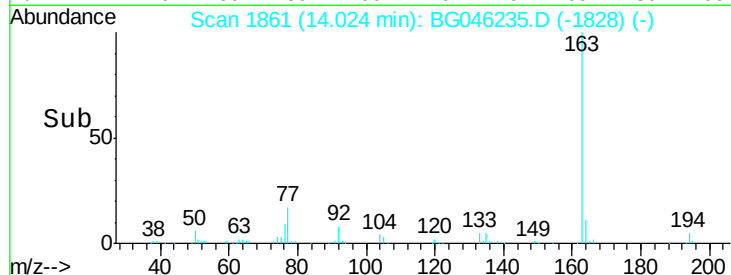
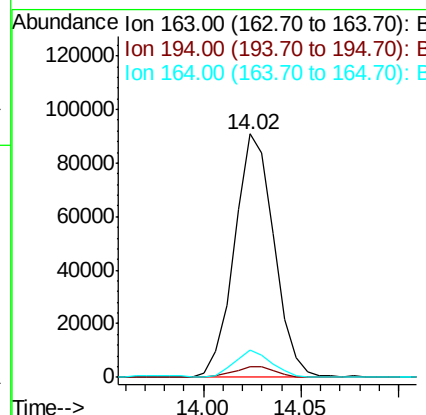
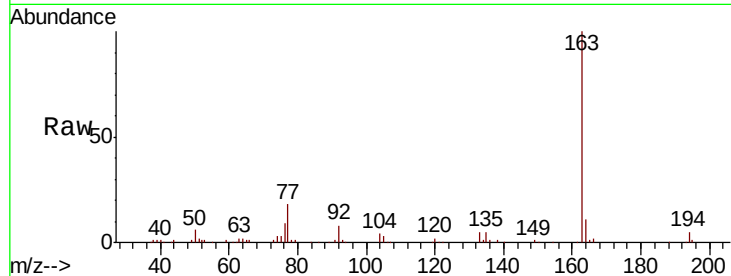
#45  
Dimethylphthalate  
Concen: 6.134 ng/ul  
RT: 14.02 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

Instrument :  
BNA\_G  
ClientSampleId :  
DBFP2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.4   | 5.0   |
| 164     | 11.2  | 8.7   | 13.1  |

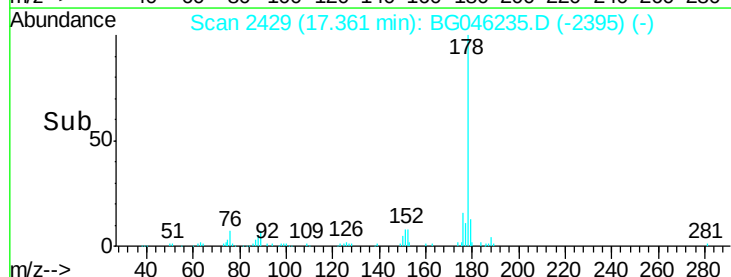
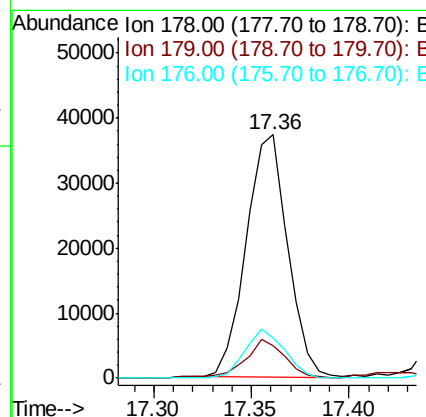
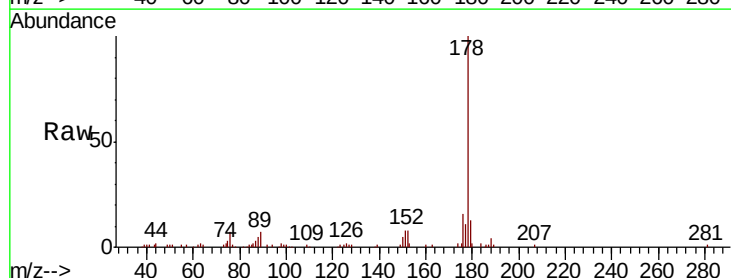
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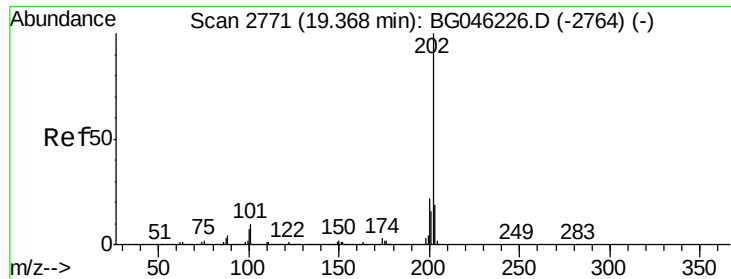
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#70  
Phenanthrene  
Concen: 1.585 ng/ul  
RT: 17.36 min Scan# 2429  
Delta R.T. 0.00 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 13.4  | 13.0  | 19.6  |
| 176     | 16.4  | 16.0  | 24.0  |





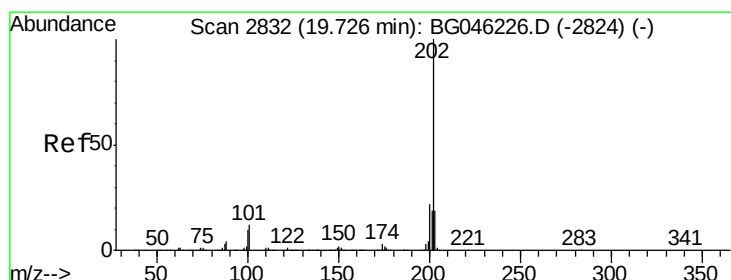
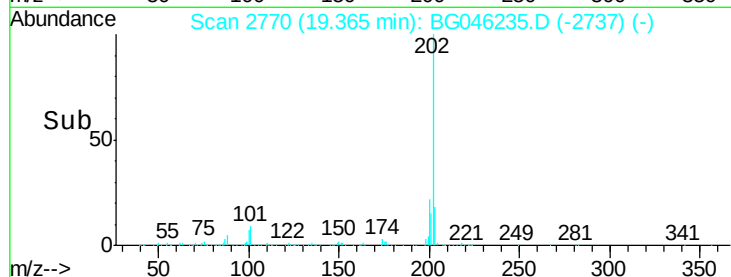
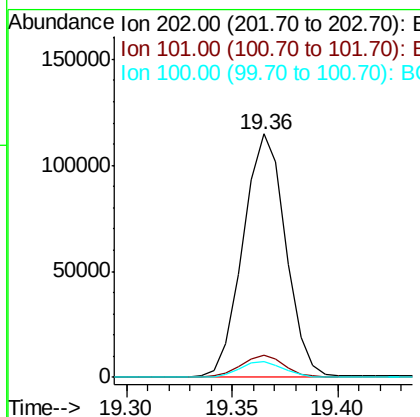
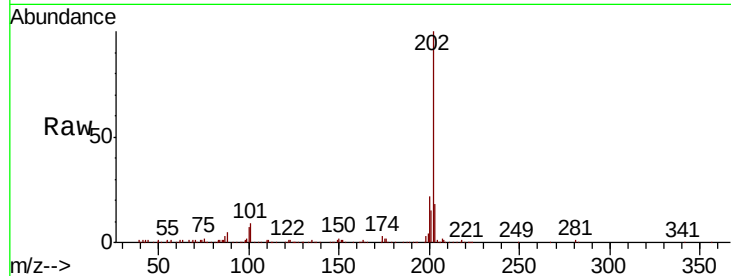
#77  
**Fluoranthene**  
 Concen: 4.234 ng/ul  
 RT: 19.36 min Scan# 2770  
 Delta R.T. -0.00 min  
 Lab File: BG046235.D  
 Acq: 12 Aug 2020 17:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBFP2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 160638 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.2   | 7.8   | 11.6   |
| 100       | 6.6   | 6.5   | 9.7    |

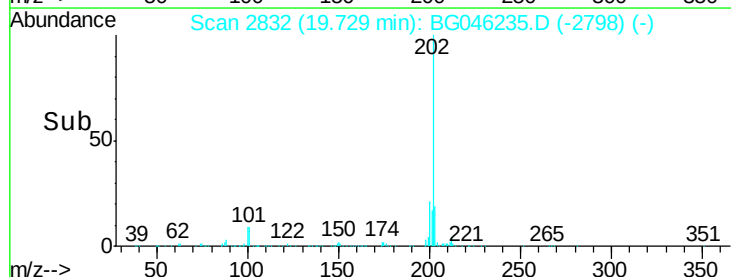
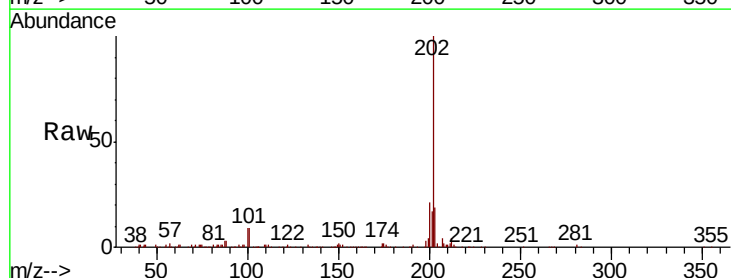
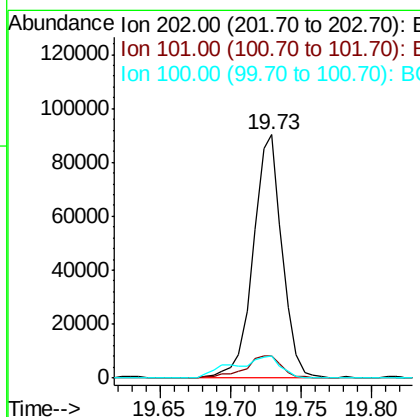
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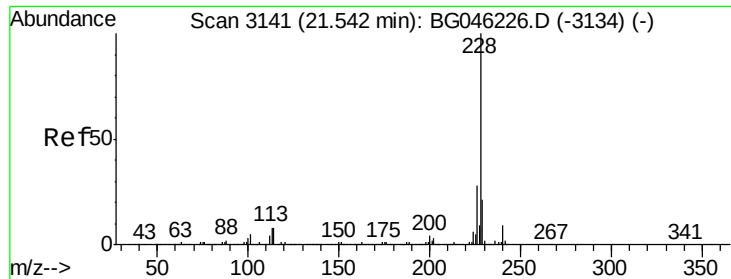
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#80  
**Pyrene**  
 Concen: 2.983 ng/ul  
 RT: 19.73 min Scan# 2832  
 Delta R.T. 0.00 min  
 Lab File: BG046235.D  
 Acq: 12 Aug 2020 17:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 130041 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.4   | 9.0   | 13.4   |
| 100       | 9.0   | 7.6   | 11.4   |





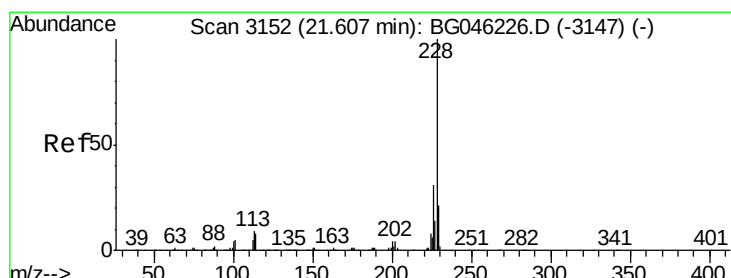
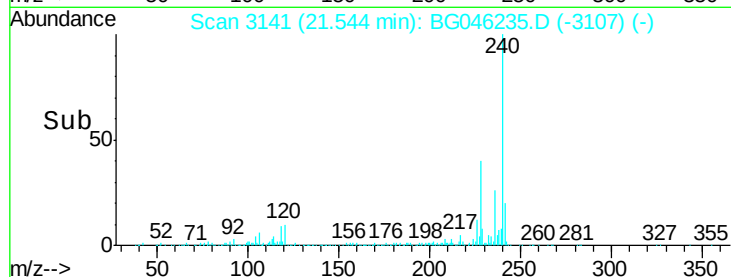
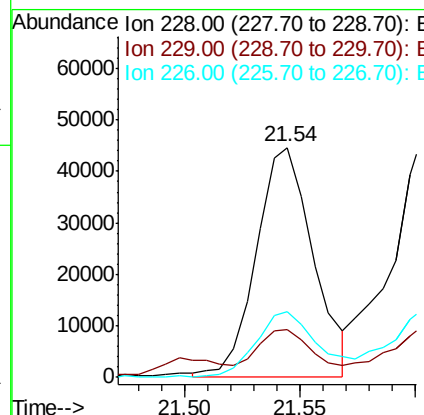
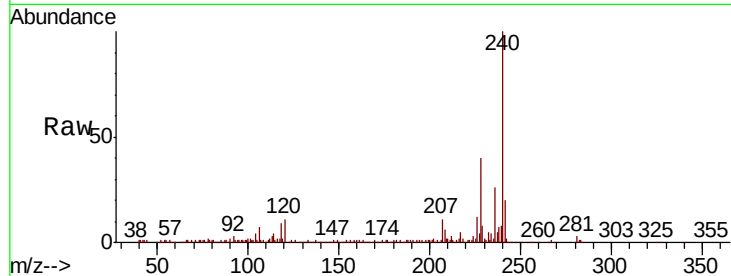
#83  
Benzo(a)anthracene  
Concen: 1.795 ng/ul  
RT: 21.54 min Scan# 3141  
Delta R.T. 0.00 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

Instrument :  
BNA\_G  
ClientSampleId :  
DBFP2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.5  | 16.2  | 24.4  |
| 226     | 28.7  | 22.6  | 33.8  |

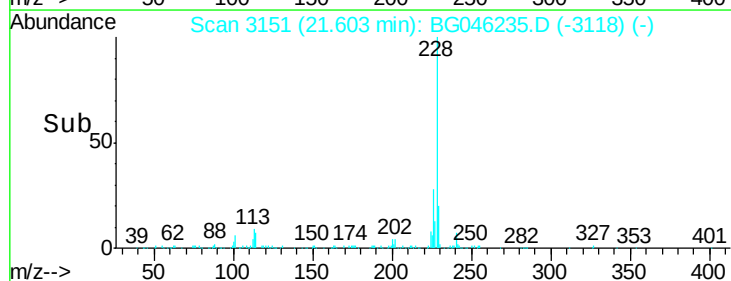
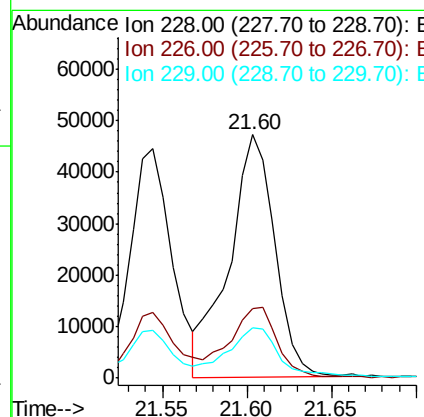
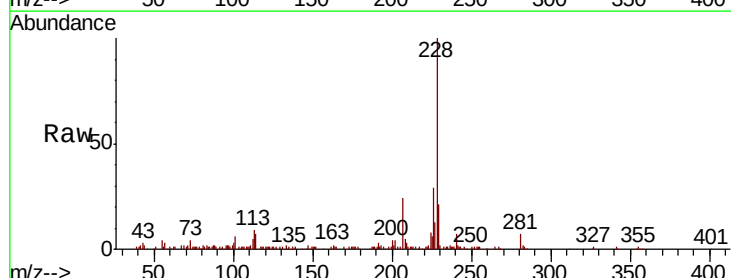
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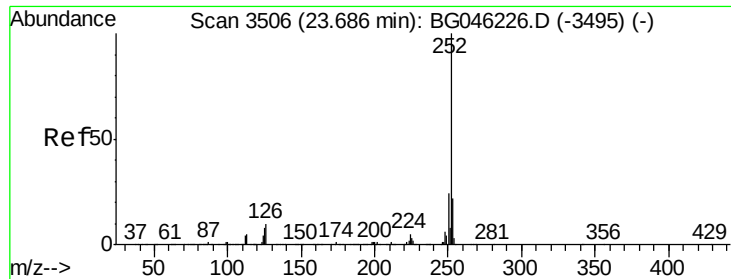
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#85  
Chrysene  
Concen: 2.149 ng/ul  
RT: 21.60 min Scan# 3151  
Delta R.T. -0.00 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 25.3  | 37.9  |
| 229     | 20.9  | 16.9  | 25.3  |





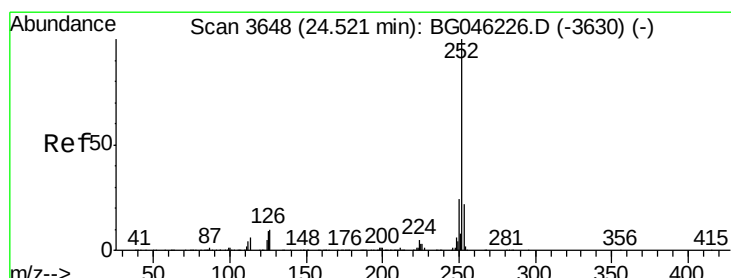
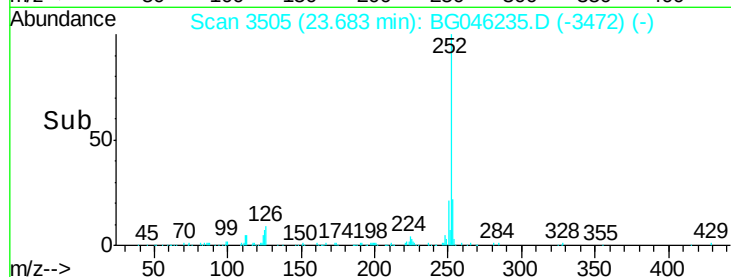
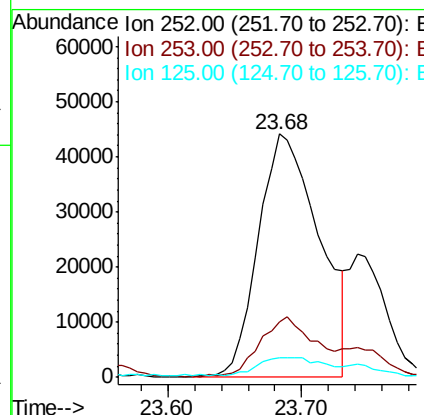
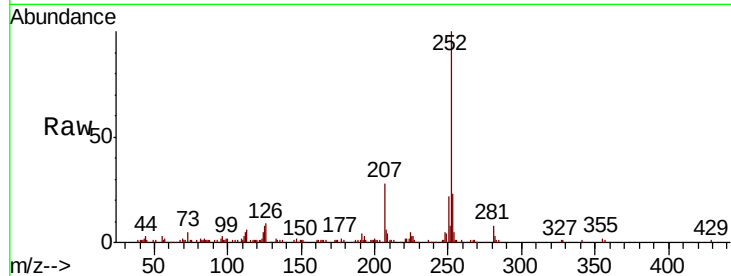
#88  
Benzo(b)fluoranthene  
Concen: 2.996 ng/ul  
RT: 23.68 min Scan# 3505  
Delta R.T. -0.00 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

Instrument :  
BNA\_G  
ClientSampleId :  
DBFP2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.0  | 27.0  |
| 125     | 7.9   | 6.3   | 9.5   |

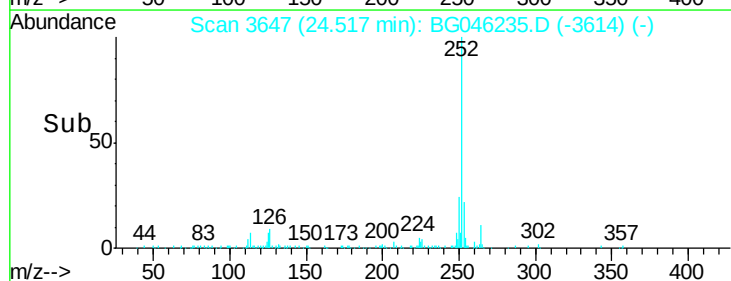
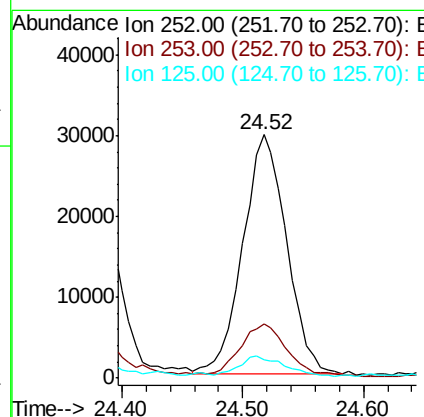
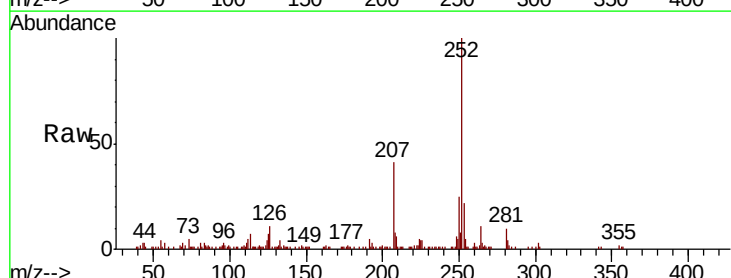
Manual Integrations  
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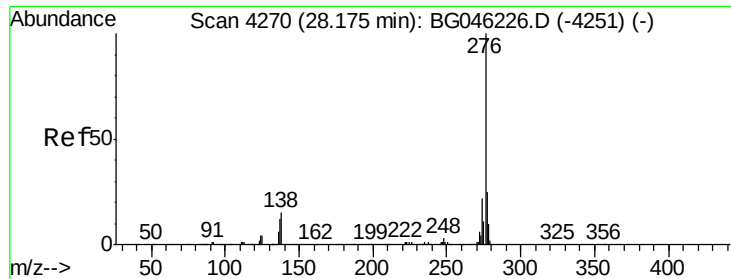
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#91  
Benzo(a)pyrene  
Concen: 1.731 ng/ul  
RT: 24.52 min Scan# 3647  
Delta R.T. -0.00 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.6  | 26.4  |
| 125     | 7.4   | 7.4   | 11.2  |





#92

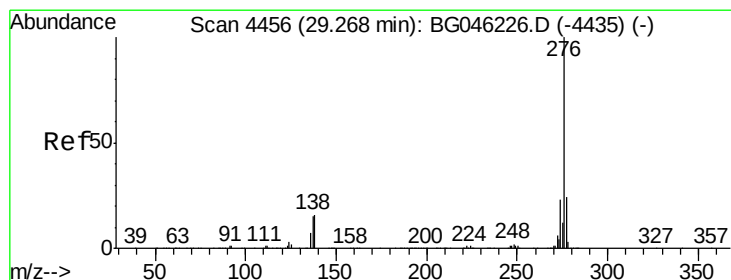
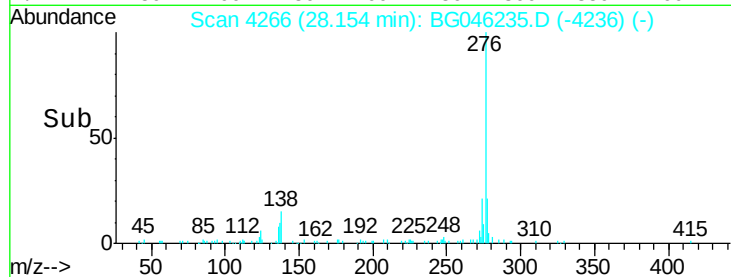
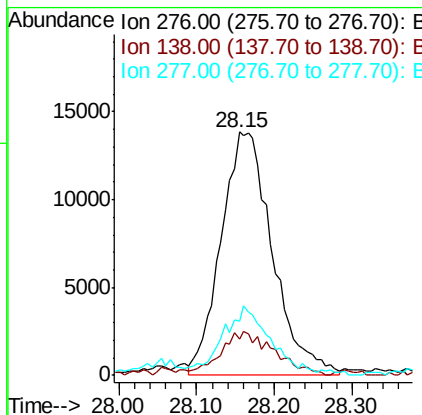
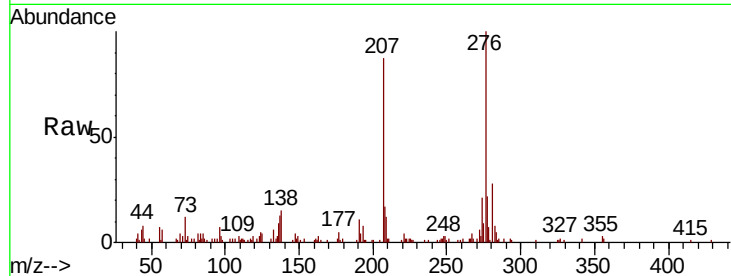
Indeno(1,2,3-cd)pyrene  
Concen: 1.195 ng/ul m  
RT: 28.15 min Scan# 4266  
Delta R.T. -0.02 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

Instrument :  
BNA\_G  
ClientSampleId :  
DBFP2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 14.6  | 12.6  | 18.8  |
| 277     | 22.1  | 18.5  | 27.7  |

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#94

Benzo(g,h,i)perylene  
Concen: 1.190 ng/ul m  
RT: 29.25 min Scan# 4452  
Delta R.T. -0.02 min  
Lab File: BG046235.D  
Acq: 12 Aug 2020 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.0  | 13.6  | 20.4  |
| 277     | 21.9  | 18.8  | 28.2  |

