

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042321\  
 Data File : BN014383.D  
 Acq On : 23 Apr 2021 18:39  
 Operator : CG/JU  
 Sample : M2065-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BG561

Manual Integrations  
 APPROVED

mohammad  
 4/26/2021 11:37:43 AM

Quant Time: Apr 24 01:19:56 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN041521.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 23 23:19:59 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 122397   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.46 | 136  | 504137   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.32 | 164  | 286329   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.07 | 188  | 593871   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.26 | 240  | 608597   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.49 | 264  | 604613   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 5430   | 1.69  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.63  | 84  | 18838m | 2.21  | ng/ul | 0.02 |
| 7) Phenol-d5                   | 6.85  | 99  | 105693 | 10.33 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 75072  | 12.25 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.22  | 132 | 91373  | 11.35 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.38  | 113 | 84541  | 10.90 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.83  | 128 | 47544  | 13.05 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.55  | 143 | 35864  | 10.05 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 75828  | 9.87  | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.59 | 131 | 86506  | 7.59  | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.73 | 166 | 268435 | 12.94 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.01 | 160 | 342794 | 13.74 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.52 | 143 | 10696  | 2.66  | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.32 | 176 | 242384 | 13.22 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 3835   | 1.21  | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.16 | 188 | 353267 | 12.74 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.46 | 212 | 385723 | 13.06 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.34 | 264 | 393358 | 12.26 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |              | Ovalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 50) Acenaphthylene         | 14.04 | 152 | 37691   | 1.420 ng/ul  | 96     |
| 80) Fluoranthene           | 19.13 | 202 | 98381   | 2.635 ng/ul  | 99     |
| 82) Pyrene                 | 19.49 | 202 | 111056  | 2.794 ng/ul  | 99     |
| 85) Benzo(a)anthracene     | 21.25 | 228 | 148032m | 3.764 ng/ul  |        |
| 87) Chrysene               | 21.30 | 228 | 135524  | 3.556 ng/ul  | 97     |
| 90) Benzo(b)fluoranthene   | 22.82 | 252 | 159643  | 3.947 ng/ul# | 95     |
| 91) Benzo(k)fluoranthene   | 22.86 | 252 | 75504m  | 1.875 ng/ul  |        |
| 93) Benzo(a)pyrene         | 23.39 | 252 | 132535  | 3.703 ng/ul# | 97     |
| 94) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 76130   | 1.605 ng/ul  | 98     |
| 96) Benzo(g,h,i)perylene   | 26.40 | 276 | 53637   | 1.399 ng/ul  | 99     |

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

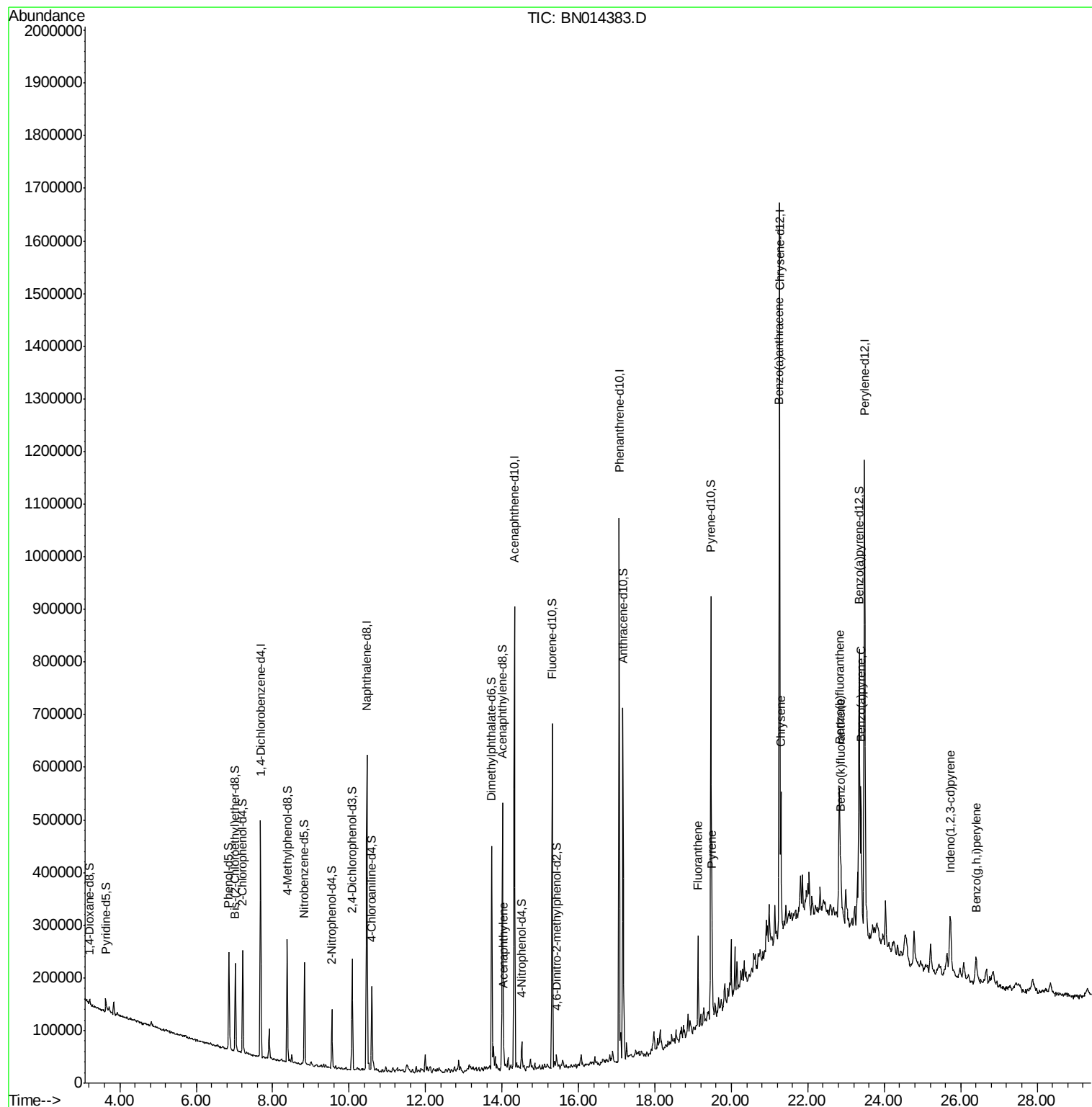
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042321\  
Data File : BN014383.D  
Acq On : 23 Apr 2021 18:39  
Operator : CG/JU  
Sample : M2065-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

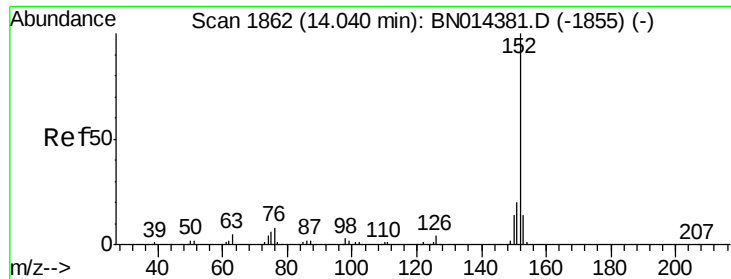
Instrument :  
BNA\_N  
ClientSampleId :  
BG561

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Quant Time: Apr 24 01:19:56 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN041521.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 23 23:19:59 2021  
Response via : Initial Calibration





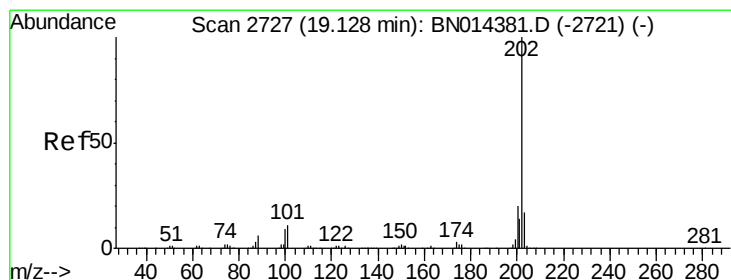
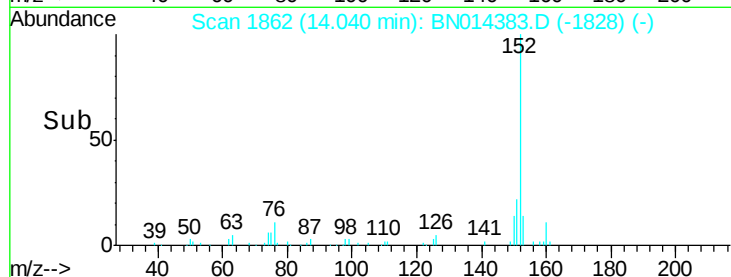
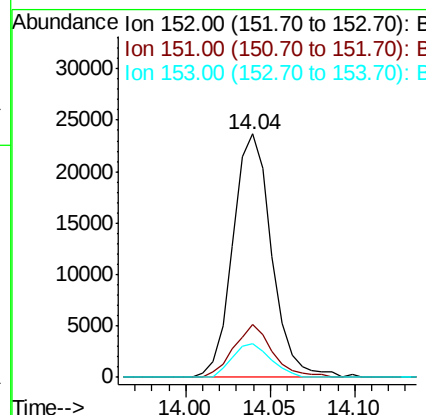
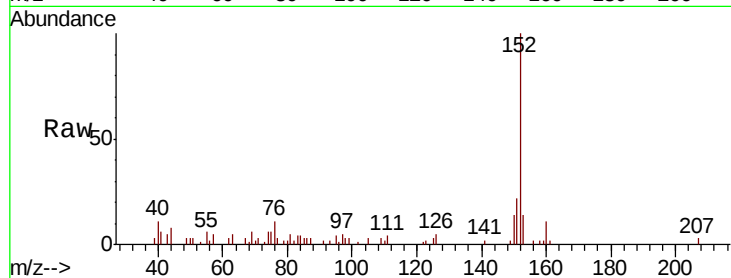
#50  
Acenaphthylene  
Concen: 1.420 ng/ul  
RT: 14.04 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

Instrument :  
BNA\_N  
ClientSampleId :  
BG561

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.9  | 15.5  | 23.3  |
| 153     | 14.1  | 10.5  | 15.7  |

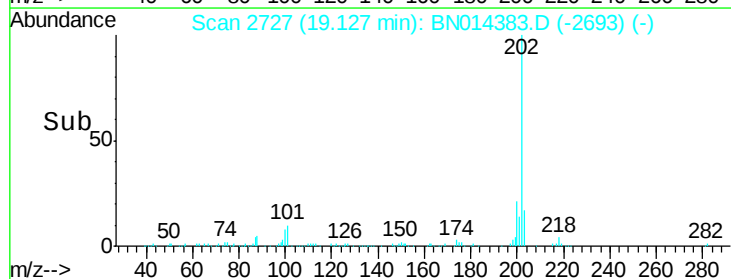
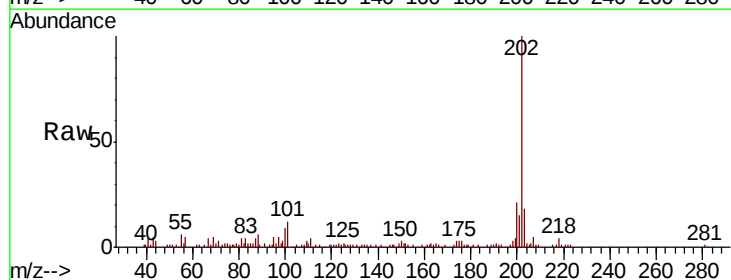
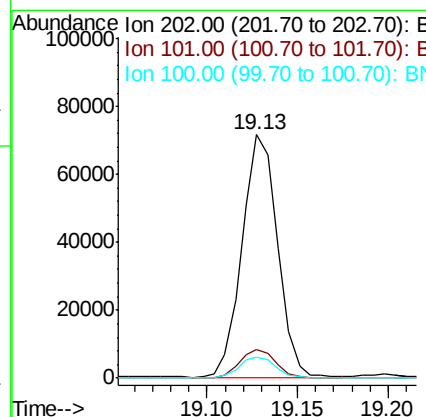
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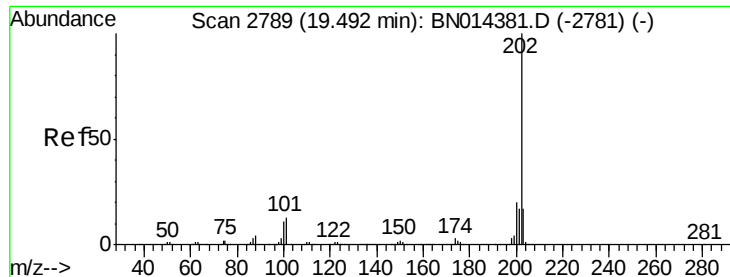
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#80  
Fluoranthene  
Concen: 2.635 ng/ul  
RT: 19.13 min Scan# 2727  
Delta R.T. 0.00 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.6  | 9.0   | 13.6  |
| 100     | 8.6   | 7.0   | 10.4  |





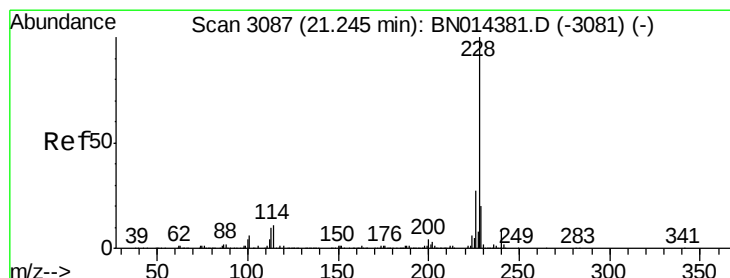
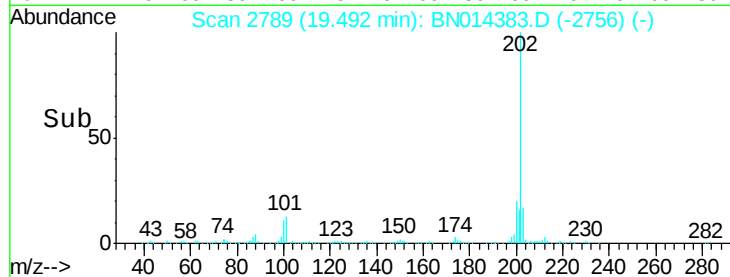
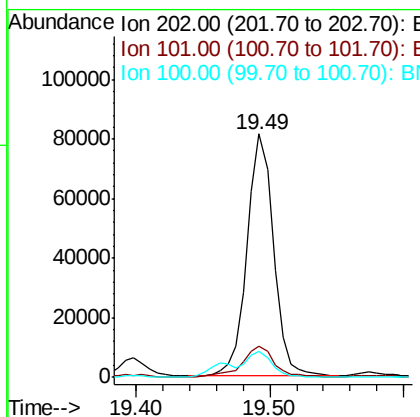
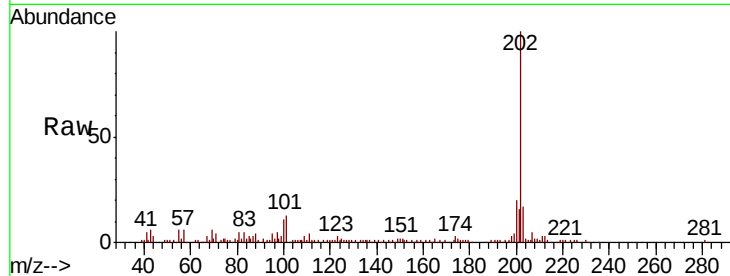
#82  
Pvrene  
Concen: 2.794 ng/ul  
RT: 19.49 min Scan# 2789  
Delta R.T. -0.01 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

Instrument :  
BNA\_N  
ClientSampled :  
BG561

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.8  | 10.5       | 15.7  |
| 100     | 10.7  | 8.7        | 13.1  |

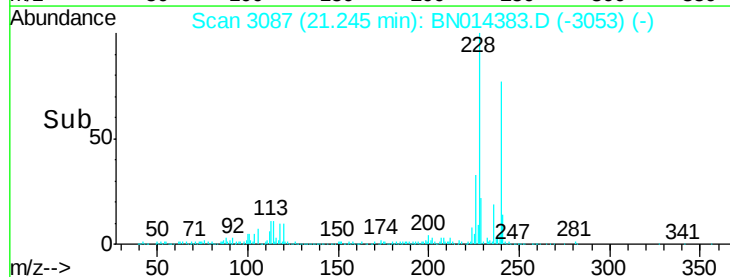
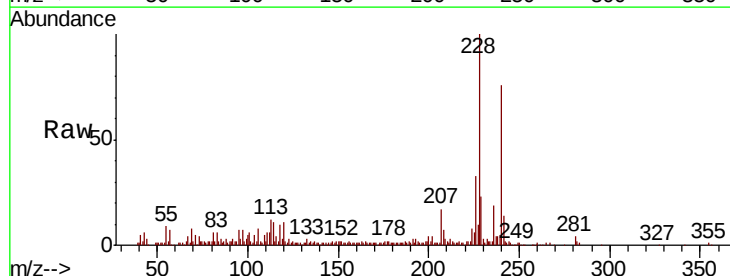
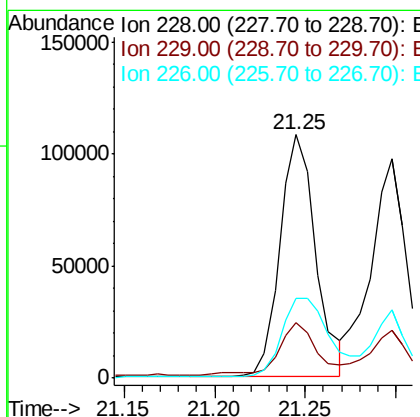
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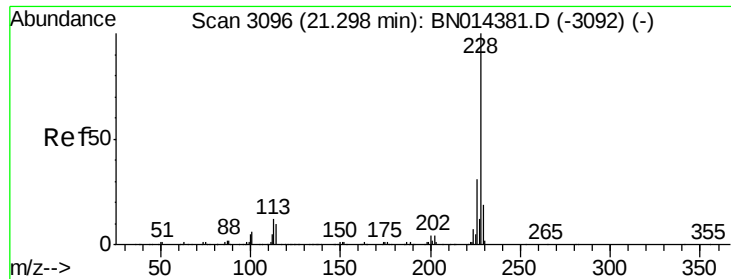
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#85  
Benzo(a)anthracene  
Concen: 3.764 ng/ul m  
RT: 21.25 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 22.9  | 15.4       | 23.2  |
| 226     | 33.0  | 21.8       | 32.8# |





#87

Chrysene

Concen: 3.556 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN014383.D

Acq: 23 Apr 2021 18:39

Instrument :

BNA\_N

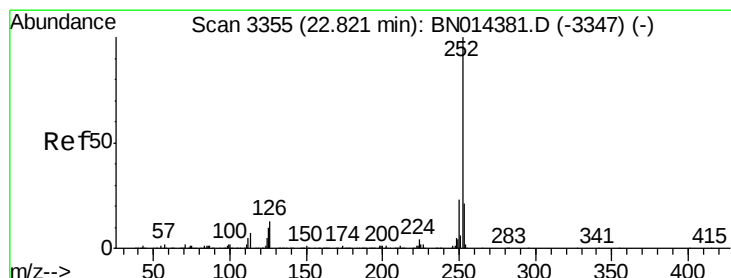
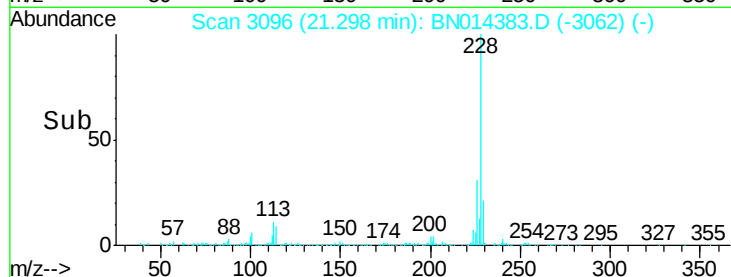
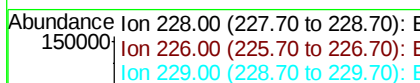
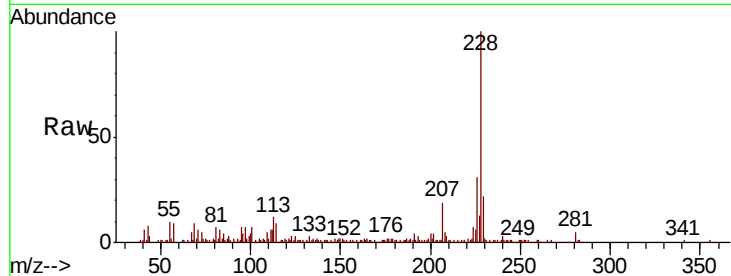
ClientSampled :

BG561

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 135524 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.2  | 26.0  | 39.0   |
| 229       | 21.9  | 16.4  | 24.6   |

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#90

Benzo(b)fluoranthene

Concen: 3.947 ng/ul

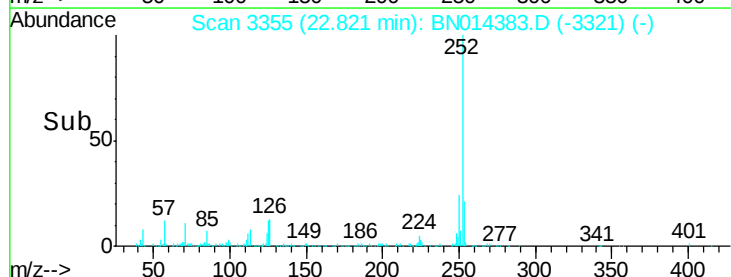
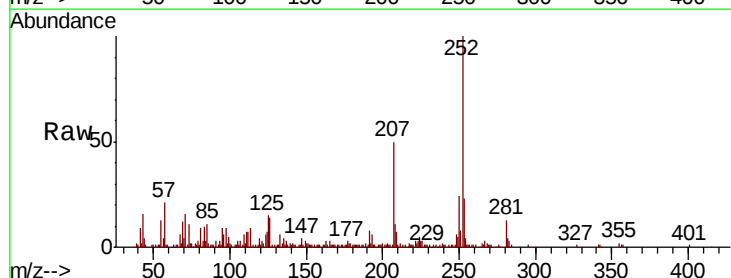
RT: 22.82 min Scan# 3355

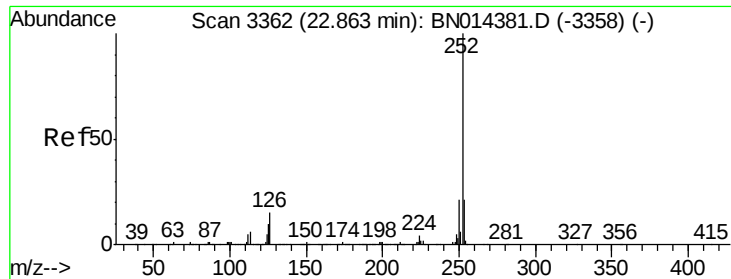
Delta R.T. 0.00 min

Lab File: BN014383.D

Acq: 23 Apr 2021 18:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 159643 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.6  | 17.3  | 25.9   |
| 125       | 14.6  | 8.1   | 12.1#  |





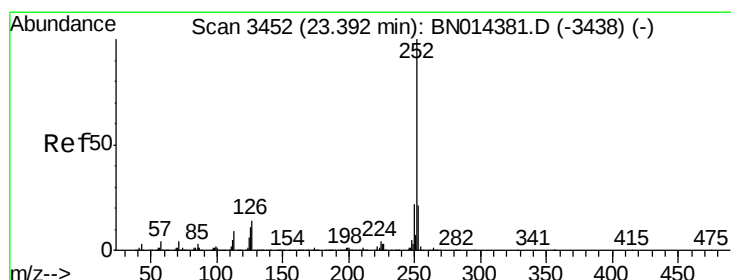
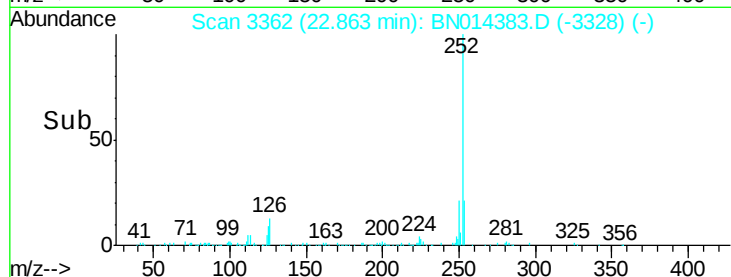
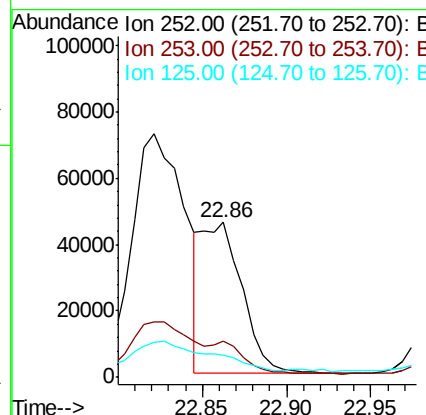
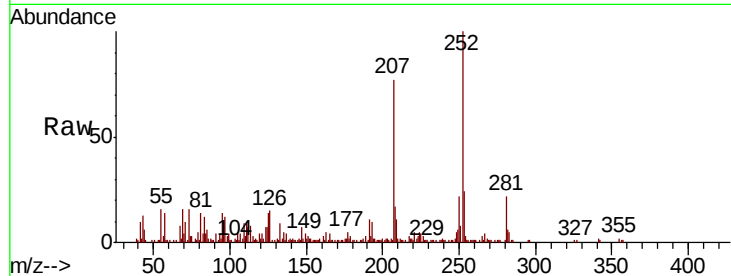
#91  
Benzo(k)fluoranthene  
Concen: 1.875 ng/ul m  
RT: 22.86 min Scan# 3362  
Delta R.T. 0.00 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

Instrument :  
BNA\_N  
ClientSampled :  
BG561

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.8  | 26.8  |
| 125     | 14.3  | 8.2   | 12.4  |

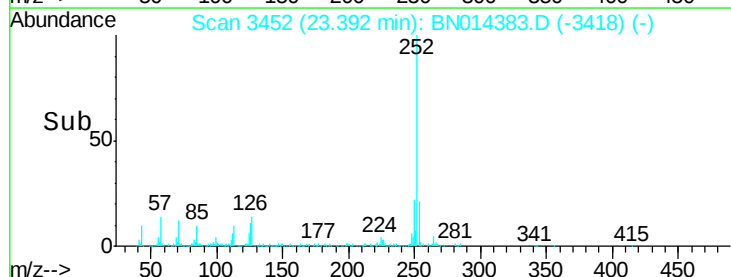
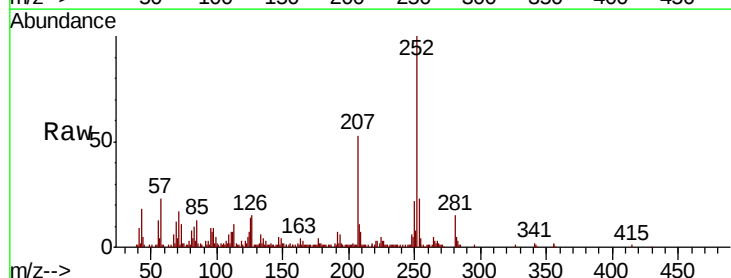
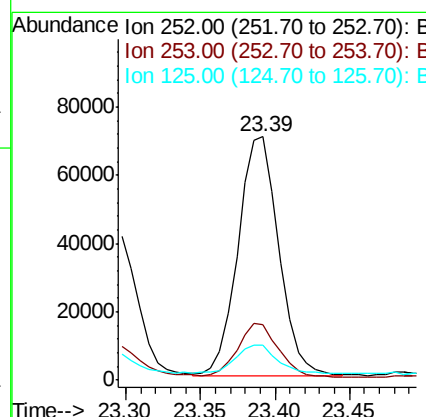
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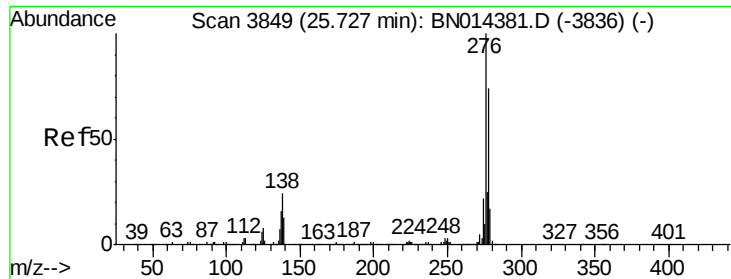
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#93  
Benzo(a)pyrene  
Concen: 3.703 ng/ul  
RT: 23.39 min Scan# 3452  
Delta R.T. 0.00 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.4  | 26.2  |
| 125     | 14.2  | 9.3   | 13.9  |





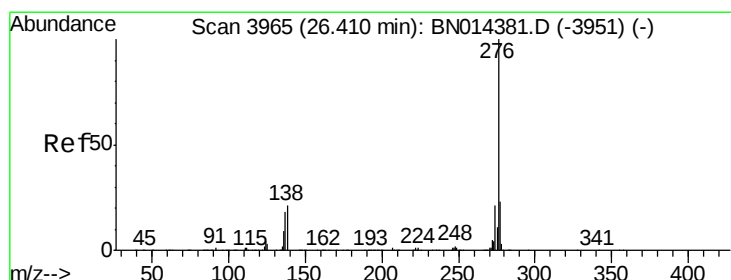
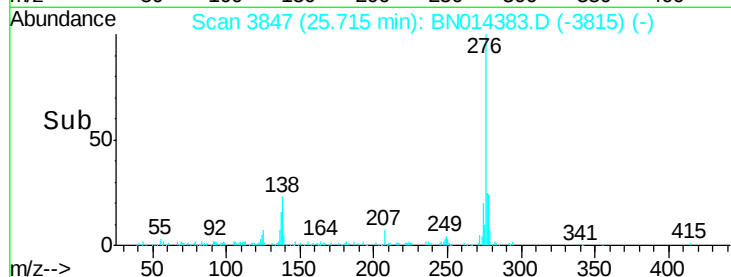
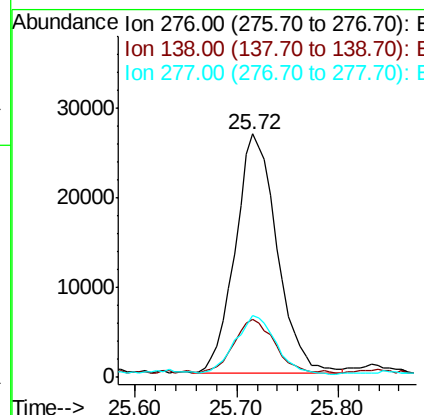
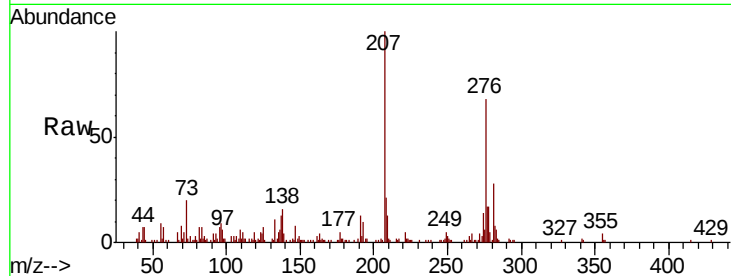
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Indeno(1,2,3-cd)pyrene  
Concen: 1.605 ng/ul  
RT: 25.72 min Scan# 3847  
Delta R.T. -0.01 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

Instrument :  
BNA\_N  
ClientSampleId :  
BG561

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.0  | 19.0  | 28.4  |
| 277     | 25.6  | 19.3  | 28.9  |

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#96  
Benzo(g,h,i)perylene  
Concen: 1.399 ng/ul  
RT: 26.40 min Scan# 3963  
Delta R.T. -0.02 min  
Lab File: BN014383.D  
Acq: 23 Apr 2021 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.5  | 17.0  | 25.6  |
| 277     | 24.8  | 19.7  | 29.5  |

