

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042321\  
 Data File : BN014382.D  
 Acq On : 23 Apr 2021 18:03  
 Operator : CG/JU  
 Sample : M2065-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BG4Z8

Manual Integrations  
 APPROVED

mohammad  
 4/26/2021 11:37:40 AM

Quant Time: Apr 23 18:39:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN041521.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 23 12:06:34 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 130864   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.46 | 136  | 530787   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.32 | 164  | 299945   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.06 | 188  | 646117   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.26 | 240  | 658986   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.49 | 264  | 673278   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

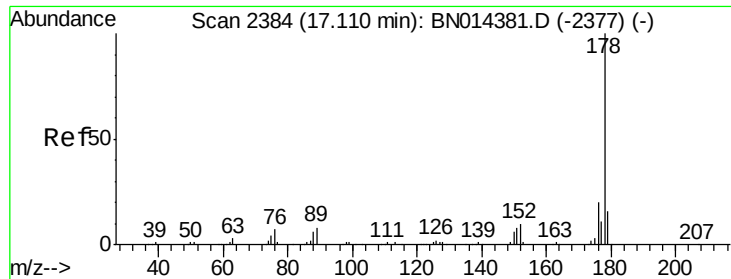
|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 6798   | 1.98  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.63  | 84  | 27624m | 3.03  | ng/ul | 0.02 |
| 7) Phenol-d5                   | 6.85  | 99  | 123676 | 11.30 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 89581  | 13.67 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.22  | 132 | 106131 | 12.33 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.38  | 113 | 94708  | 11.42 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.83  | 128 | 56353  | 14.69 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.55  | 143 | 40640  | 10.82 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 86246  | 10.66 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.59 | 131 | 106182 | 8.85  | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.73 | 166 | 297074 | 13.67 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.01 | 160 | 403000 | 15.42 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.52 | 143 | 14919  | 3.54  | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.32 | 176 | 279680 | 14.56 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 9821   | 2.84  | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.16 | 188 | 422244 | 14.00 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.46 | 212 | 489182 | 15.29 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.34 | 264 | 488984 | 13.69 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 72) Phenanthrene               | 17.10 | 178 | 70782  | 1.876 | ng/ul  | 97  |
| 80) Fluoranthene               | 19.13 | 202 | 329215 | 8.144 | ng/ul  | 99  |
| 82) Pyrene                     | 19.49 | 202 | 262993 | 6.110 | ng/ul  | 100 |
| 85) Benzo(a)anthracene         | 21.25 | 228 | 89284  | 2.097 | ng/ul  | 94  |
| 86) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 25513  | 1.108 | ng/ul  | 99  |
| 87) Chrysene                   | 21.30 | 228 | 136626 | 3.310 | ng/ul  | 97  |
| 90) Benzo(b)fluoranthene       | 22.82 | 252 | 127591 | 2.833 | ng/ul# | 93  |
| 91) Benzo(k)fluoranthene       | 22.86 | 252 | 49034  | 1.094 | ng/ul# | 89  |
| 93) Benzo(a)pyrene             | 23.39 | 252 | 56580  | 1.420 | ng/ul# | 90  |

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





#72

Phenanthrene

Concen: 1.876 ng/ul

RT: 17.10 min Scan# 2383

Delta R.T. -0.01 min

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Instrument :

BNA\_N

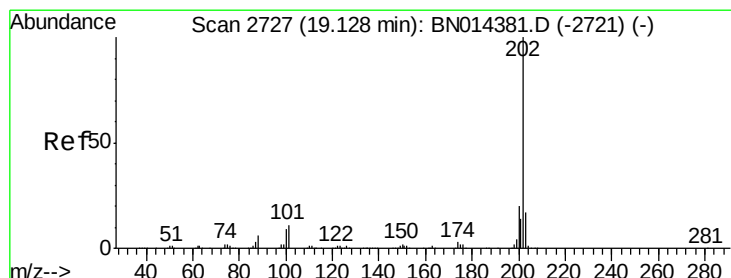
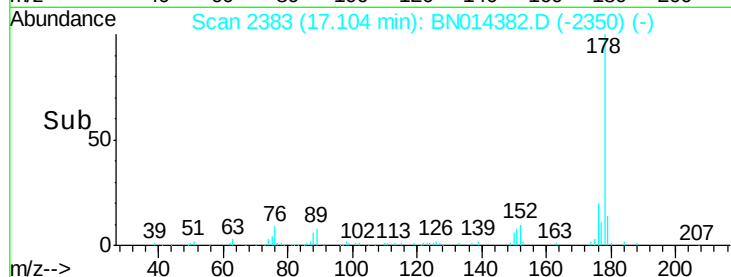
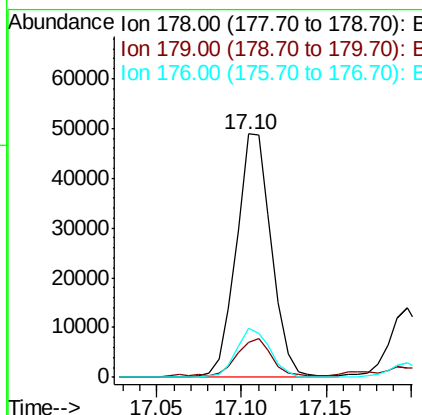
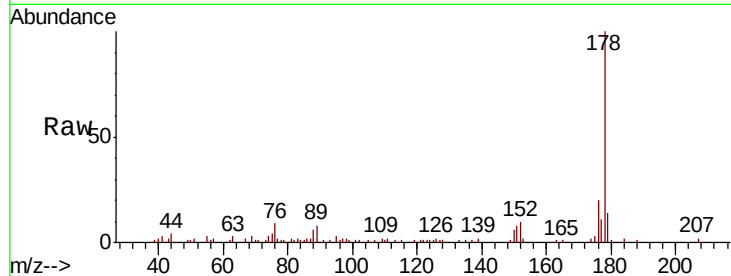
ClientSampled :

BG4Z8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 70782 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 14.2  | 12.2  | 18.4  |
| 176       | 20.1  | 15.0  | 22.4  |

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#80

Fluoranthene

Concen: 8.144 ng/ul

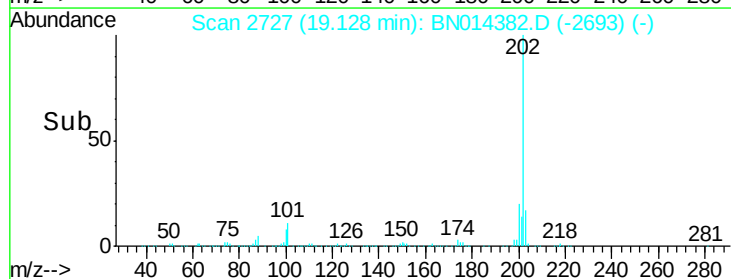
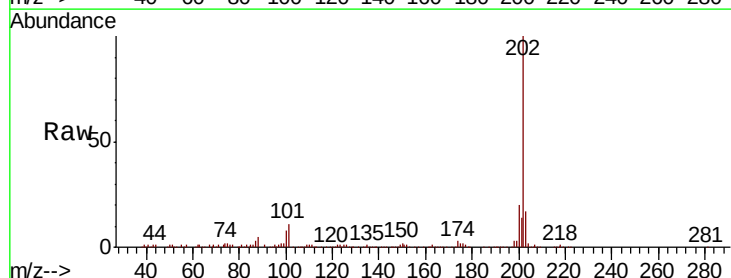
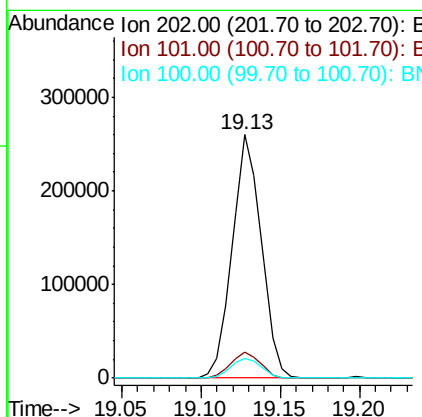
RT: 19.13 min Scan# 2727

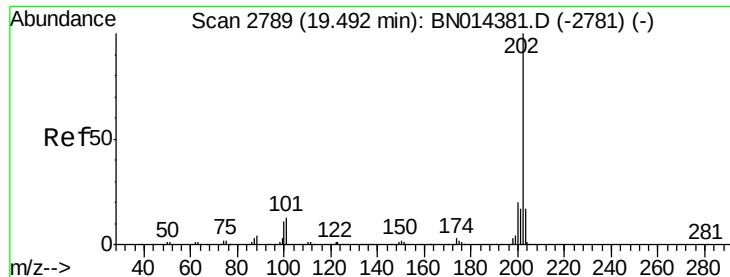
Delta R.T. 0.00 min

Lab File: BN014382.D

Acq: 23 Apr 2021 18:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 329215 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.9  | 9.0   | 13.6   |
| 100       | 8.3   | 7.0   | 10.4   |





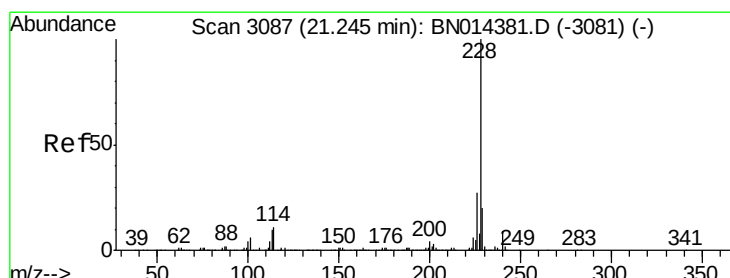
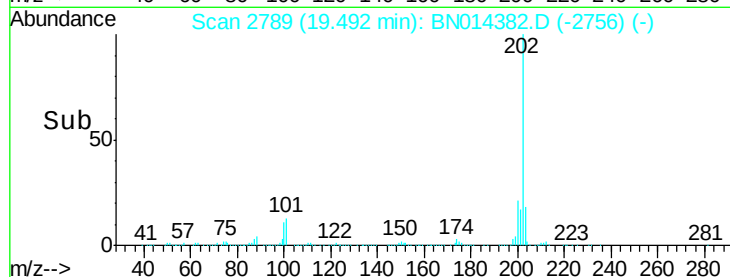
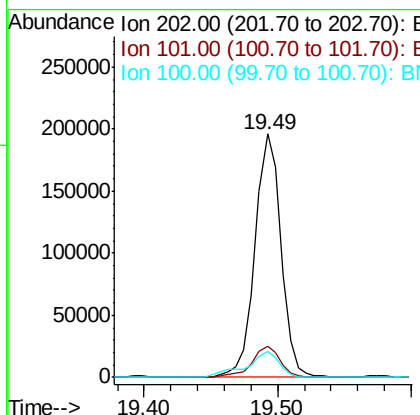
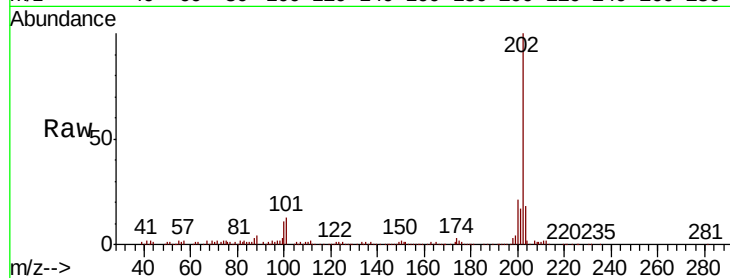
#82  
Pvrene  
Concen: 6.110 ng/ul  
RT: 19.49 min Scan# 2789  
Delta R.T. -0.01 min  
Lab File: BN014382.D  
Acq: 23 Apr 2021 18:03

Instrument :  
BNA\_N  
ClientSampleId :  
BG4Z8

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 13.0  | 10.5       | 15.7  |
| 100     | 10.9  | 8.7        | 13.1  |

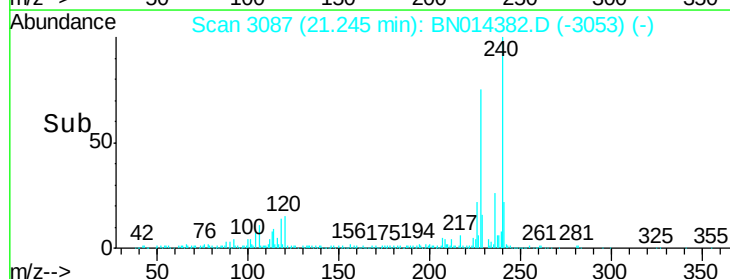
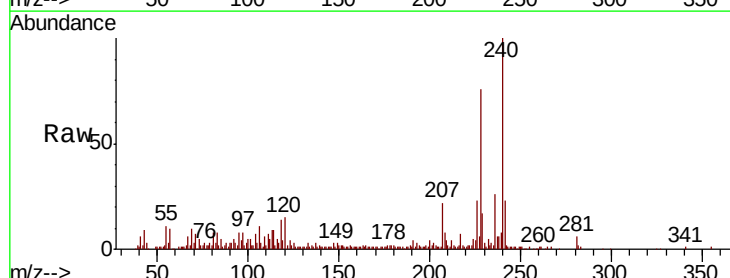
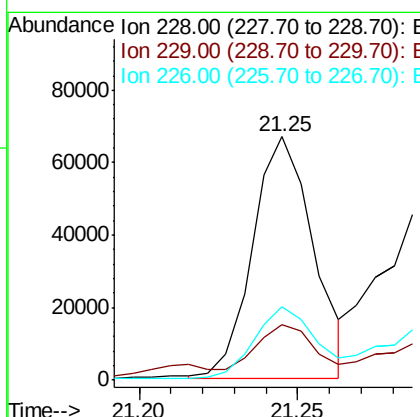
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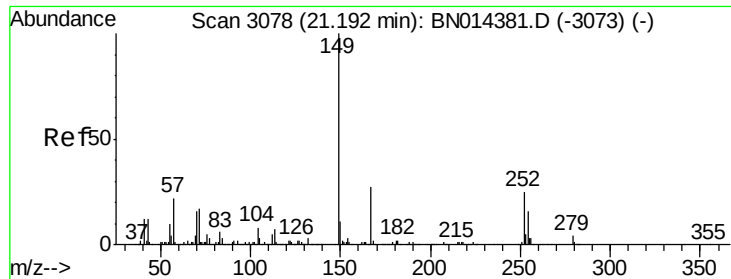
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#85  
Benzo(a)anthracene  
Concen: 2.097 ng/ul  
RT: 21.25 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: BN014382.D  
Acq: 23 Apr 2021 18:03

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 22.9  | 15.4       | 23.2  |
| 226     | 30.1  | 21.8       | 32.8  |





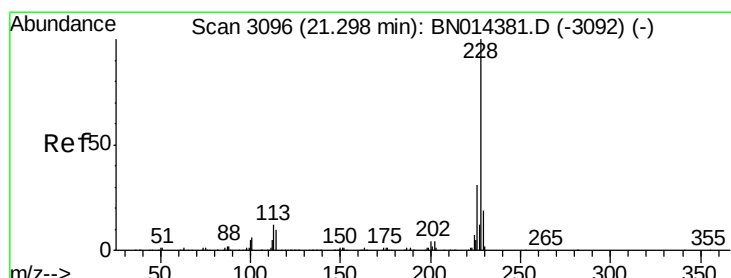
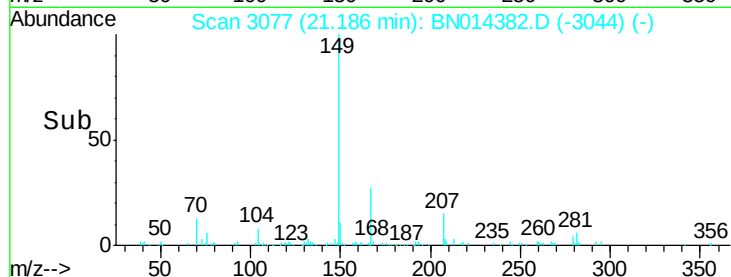
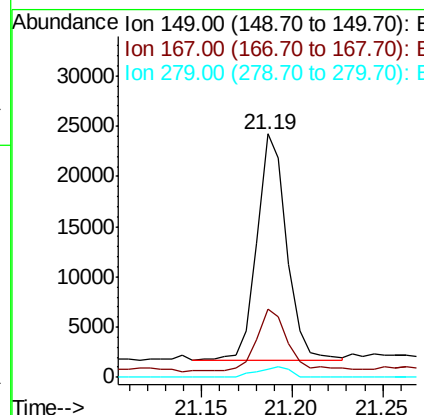
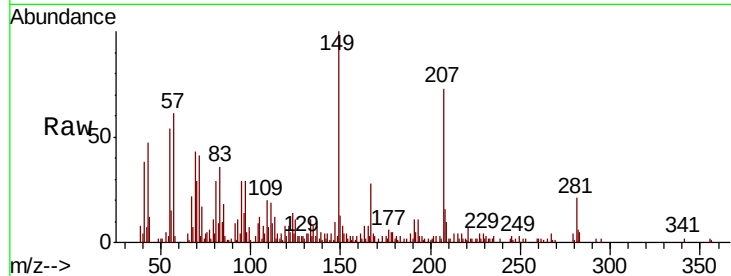
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.108 ng/ul  
RT: 21.19 min Scan# 3077  
Delta R.T. -0.01 min  
Lab File: BN014382.D  
Acq: 23 Apr 2021 18:03

Instrument :  
BNA\_N  
ClientSampleId :  
BG4Z8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.9  | 22.0  | 33.0  |
| 279     | 3.5   | 3.0   | 4.6   |

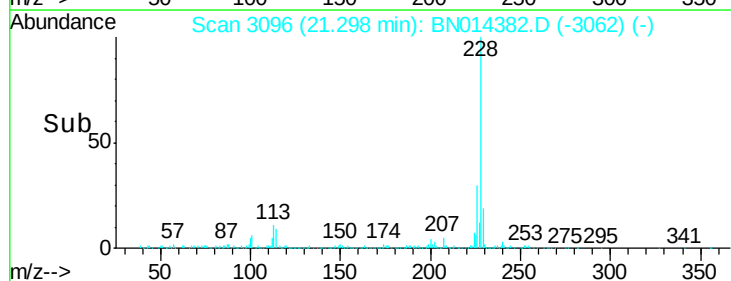
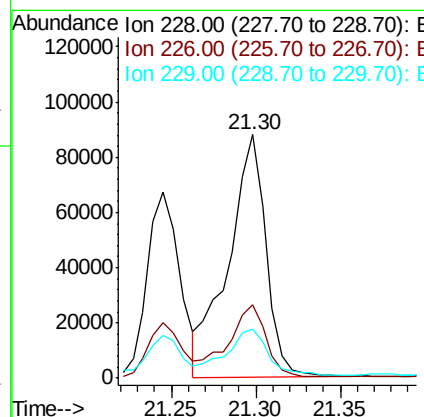
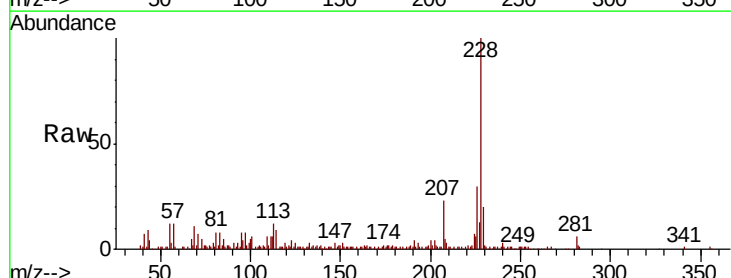
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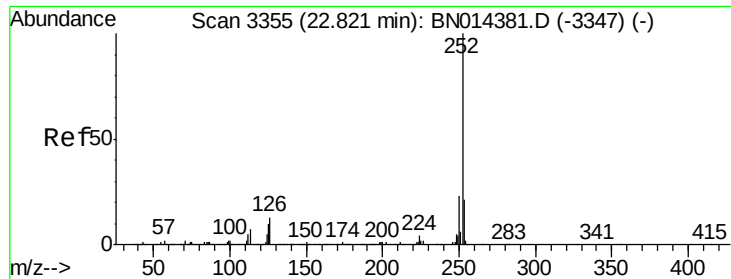
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#87  
Chrysene  
Concen: 3.310 ng/ul  
RT: 21.30 min Scan# 3096  
Delta R.T. 0.00 min  
Lab File: BN014382.D  
Acq: 23 Apr 2021 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 26.0  | 39.0  |
| 229     | 20.1  | 16.4  | 24.6  |





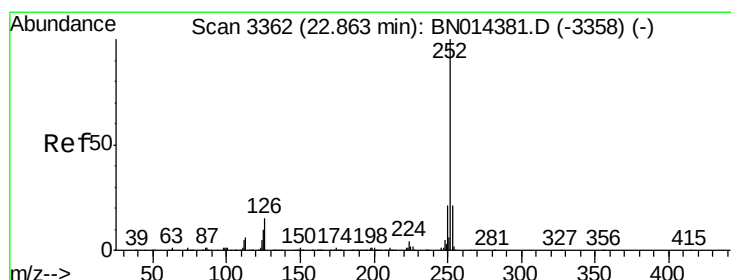
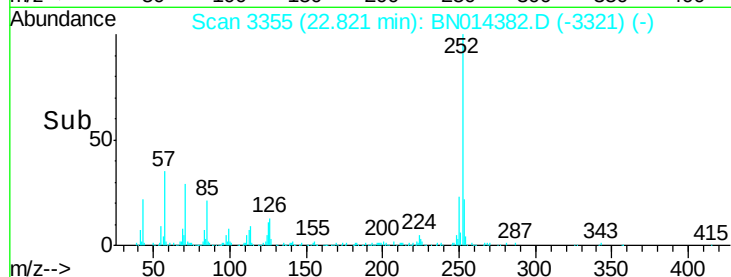
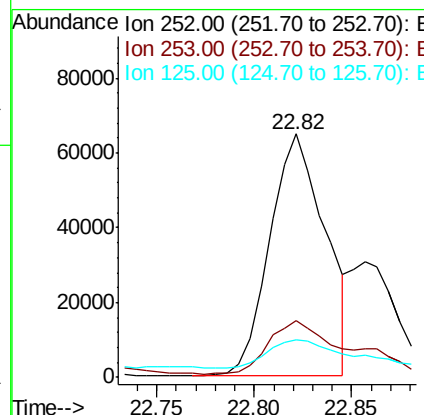
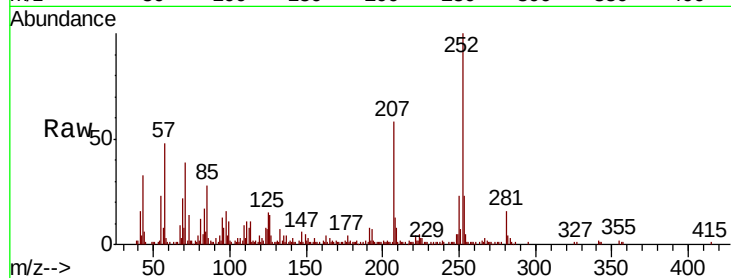
#90  
Benzo(b)fluoranthene  
Concen: 2.833 ng/ul  
RT: 22.82 min Scan# 3355  
Delta R.T. 0.00 min  
Lab File: BN014382.D  
Acq: 23 Apr 2021 18:03

Instrument :  
BNA\_N  
ClientSampled :  
BG4Z8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.3  | 25.9  |
| 125     | 15.4  | 8.1   | 12.1  |

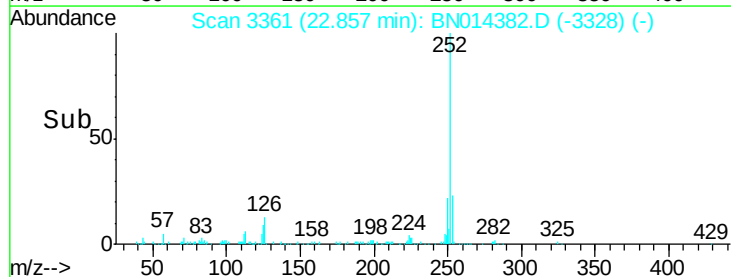
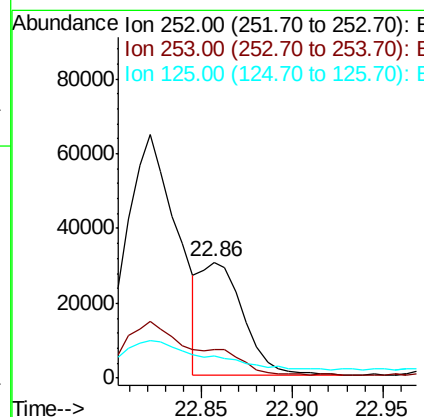
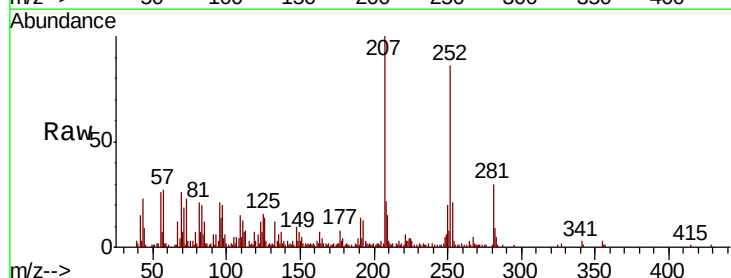
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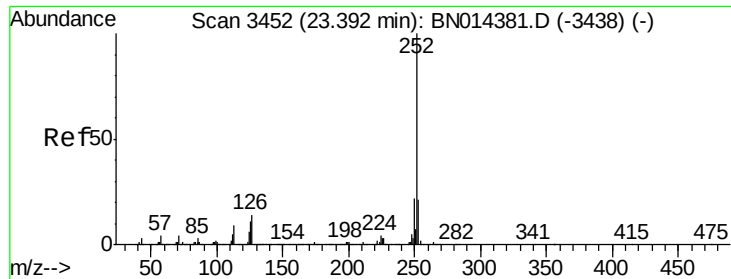
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#91  
Benzo(k)fluoranthene  
Concen: 1.094 ng/ul  
RT: 22.86 min Scan# 3361  
Delta R.T. -0.01 min  
Lab File: BN014382.D  
Acq: 23 Apr 2021 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 17.8  | 26.8  |
| 125     | 18.9  | 8.2   | 12.4  |





#93

Benzo(a)pyrene

Concen: 1.420 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. -0.01 min

Lab File: BN014382.D

Acq: 23 Apr 2021 18:03

Instrument :

BNA\_N

ClientSampleId :

BG4Z8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 56580 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.4  | 17.4  | 26.2  |
| 125       | 17.2  | 9.3   | 13.9# |

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4/26/2021 11:37:40 AM

