

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040820\  
 Data File : BN010439.D  
 Acq On : 08 Apr 2020 20:32  
 Operator : CG/JU  
 Sample : L2155-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFA7

Manual Integrations  
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mohammad  
 4/9/2020 11:38:38 AM

Quant Time: Apr 09 03:10:59 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN040120MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 08 13:35:12 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 491009   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 2037338  | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.24 | 164  | 1333014  | 20.00 | ng/ul | 0.01     |
| 62) Phenanthrene-d10      | 16.99 | 188  | 2929575  | 20.00 | ng/ul | 0.01     |
| 78) Chrysene-d12          | 21.19 | 240  | 2694686  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.37 | 264  | 2379046  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 57648   | 5.55  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 1255826 | 30.66 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 694023  | 32.34 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 1133170 | 34.85 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 991101  | 28.64 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 584224  | 38.62 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 665766  | 41.57 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 1221975 | 36.80 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 1129721 | 28.78 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.66 | 166 | 3743752 | 37.22 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.93 | 160 | 4662583 | 39.68 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.45 | 143 | 566214  | 29.97 | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.24 | 176 | 3379432 | 38.55 | ng/ul | 0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 187578  | 11.18 | ng/ul | 0.01 |
| 71) Anthracene-d10             | 17.09 | 188 | 5238495 | 38.94 | ng/ul | 0.01 |
| 79) Pyrene-d10                 | 19.39 | 212 | 5640678 | 40.62 | ng/ul | 0.02 |
| 90) Benzo(a)pyrene-d12         | 23.23 | 264 | 4699267 | 39.70 | ng/ul | 0.01 |

## Target Compounds

|                            |       |     |         |              | Ovalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 45) Dimethylphthalate      | 13.70 | 163 | 1295194 | 12.470 ng/ul | 99     |
| 70) Phenanthrene           | 17.03 | 178 | 898493  | 5.535 ng/ul  | 99     |
| 72) Anthracene             | 17.12 | 178 | 180996  | 1.115 ng/ul  | 99     |
| 77) Fluoranthene           | 19.05 | 202 | 1959933 | 11.337 ng/ul | 98     |
| 80) Pyrene                 | 19.42 | 202 | 1684879 | 9.351 ng/ul# | 94     |
| 83) Benzo(a)anthracene     | 21.17 | 228 | 813304  | 4.492 ng/ul  | 95     |
| 85) Chrysene               | 21.23 | 228 | 863525m | 5.002 ng/ul  |        |
| 88) Benzo(b)fluoranthene   | 22.73 | 252 | 1262345 | 8.762 ng/ul# | 92     |
| 89) Benzo(k)fluoranthene   | 22.76 | 252 | 331389m | 2.368 ng/ul  |        |
| 91) Benzo(a)pyrene         | 23.27 | 252 | 781037  | 5.791 ng/ul  | 95     |
| 92) Indeno(1,2,3-cd)pyrene | 25.52 | 276 | 585729  | 3.365 ng/ul  | 95     |
| 94) Benzo(g,h,i)perylene   | 26.18 | 276 | 485186  | 3.308 ng/ul  | 96     |

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

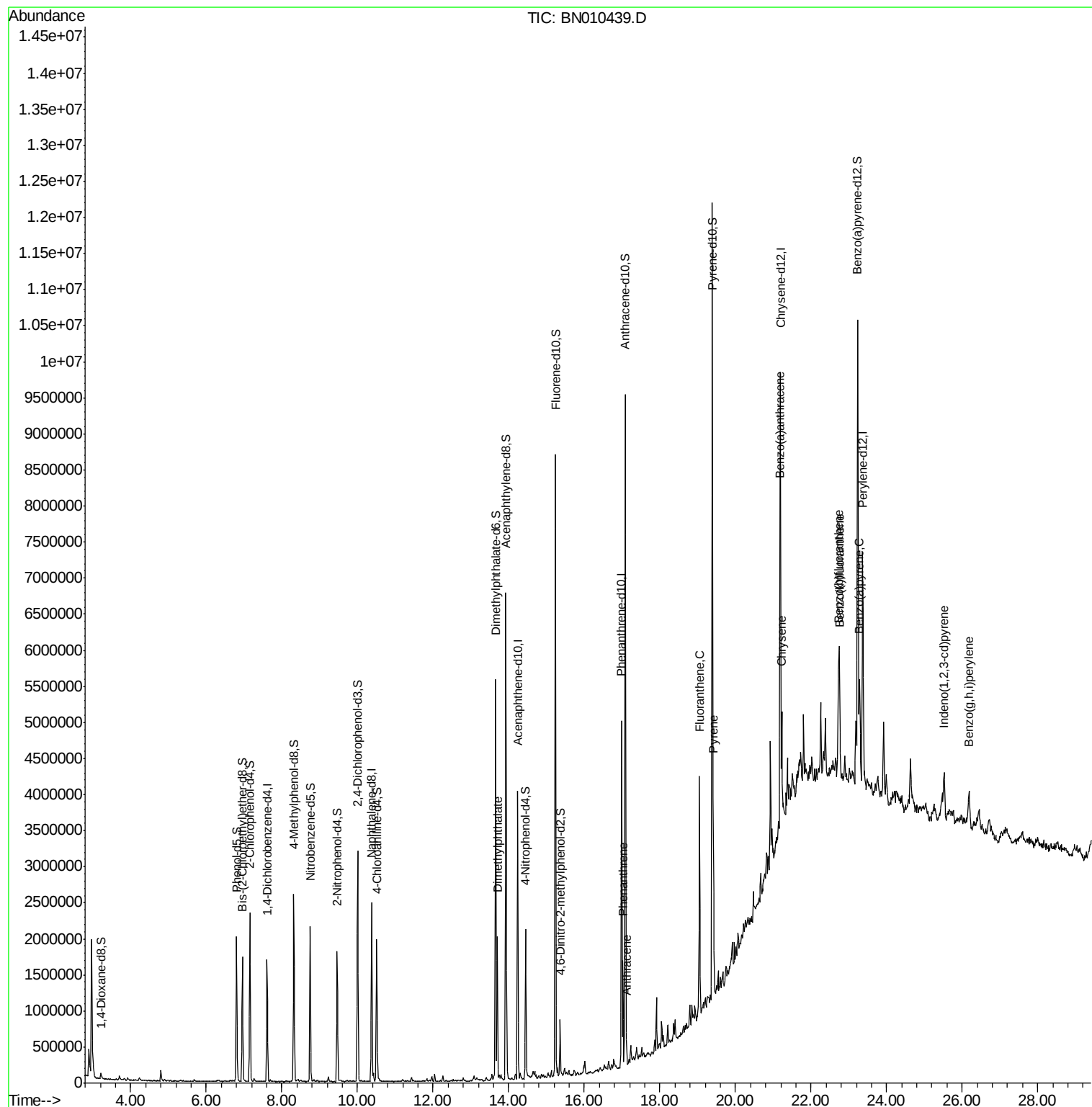
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN040820\  
Data File : BN010439.D  
Acq On : 08 Apr 2020 20:32  
Operator : CG/JU  
Sample : L2155-10  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

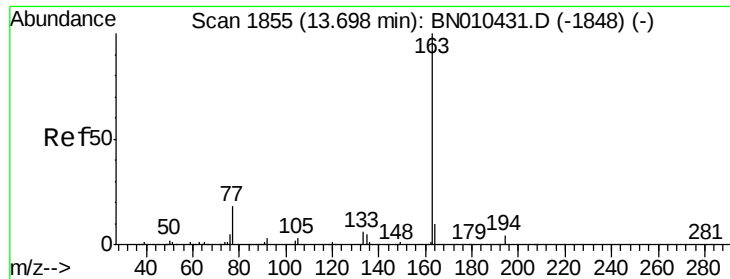
Instrument :  
BNA\_N  
ClientSampleId :  
DBFA7

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Quant Time: Apr 09 03:10:59 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN040120MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 08 13:35:12 2020  
Response via : Initial Calibration





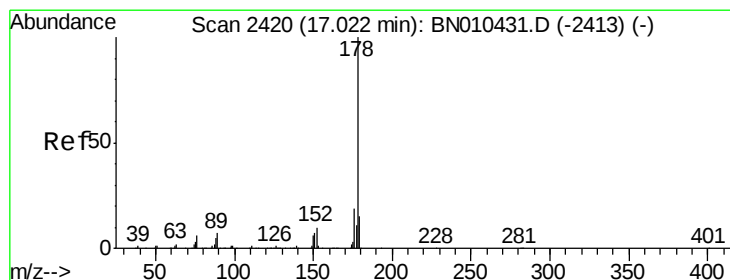
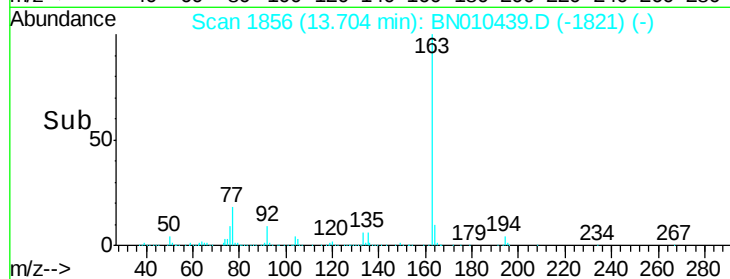
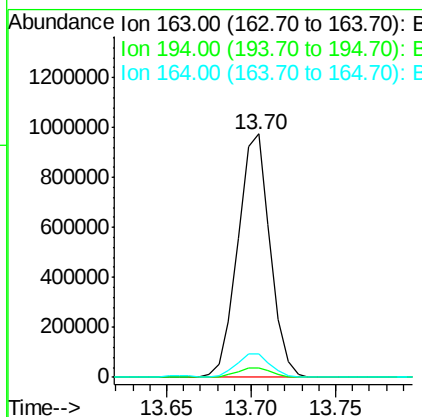
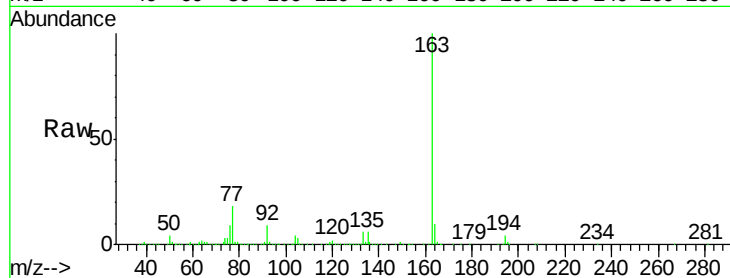
#45  
Dimethylphthalate  
Concen: 12.470 ng/ul  
RT: 13.70 min Scan# 1856  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

Instrument :  
BNA\_N  
ClientSampleId :  
DBFA7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.7   | 5.5   |
| 164     | 9.7   | 8.0   | 12.0  |

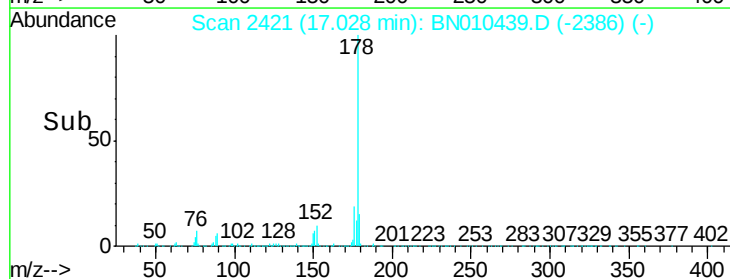
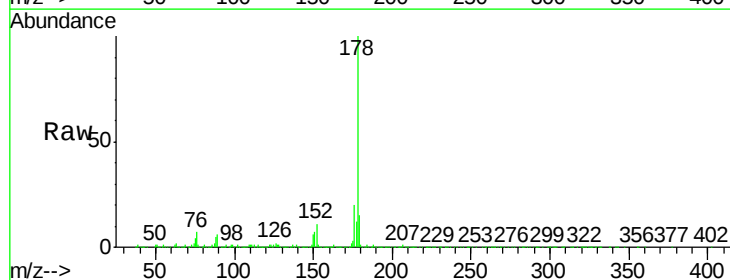
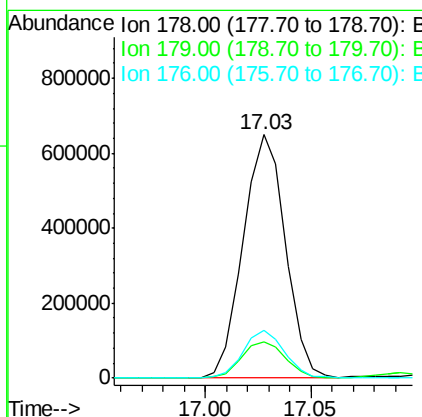
Manual Integrations  
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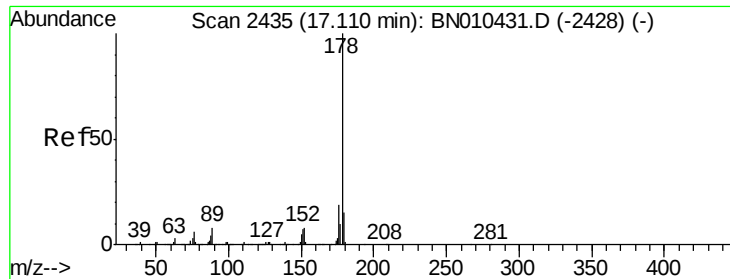
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#70  
Phenanthrene  
Concen: 5.535 ng/ul  
RT: 17.03 min Scan# 2421  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.1  | 11.9  | 17.9  |
| 176     | 19.6  | 15.4  | 23.2  |





#72

Anthracene

Concen: 1.115 ng/ul

RT: 17.12 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BN010439.D

Acq: 08 Apr 2020 20:32

Instrument :

BNA\_N

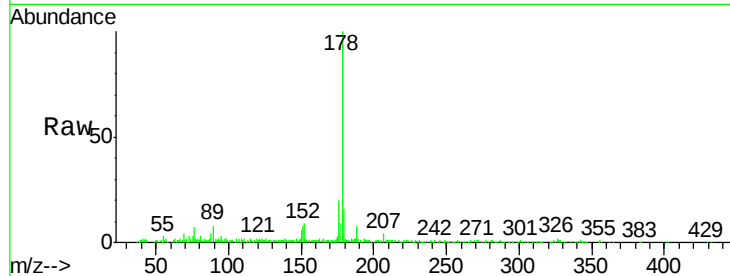
ClientSampleId :

DBFA7

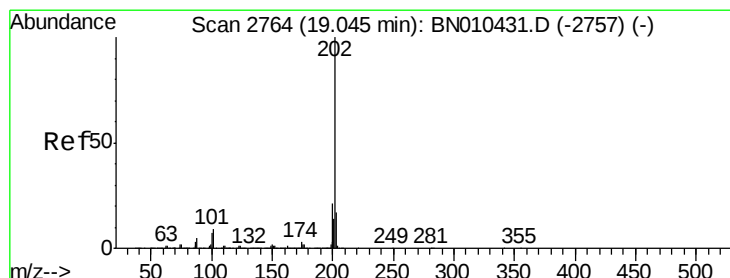
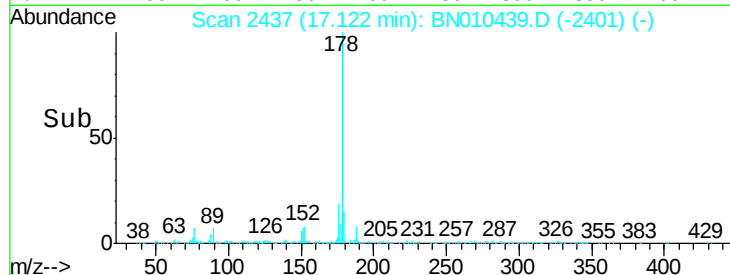
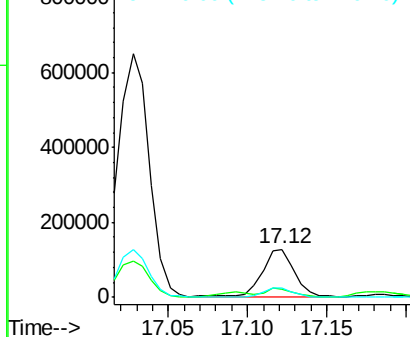
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 180996 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.8  | 12.9  | 19.3   |
| 176       | 19.7  | 15.2  | 22.8   |

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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



#77

Fluoranthene

Concen: 11.337 ng/ul

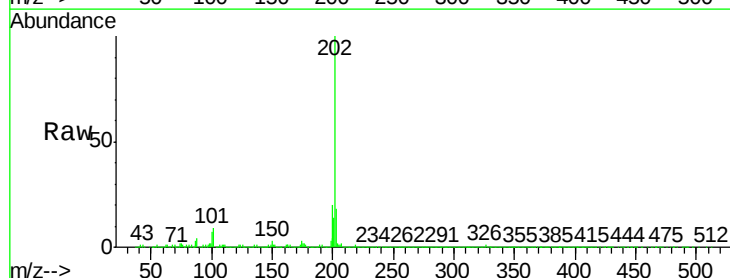
RT: 19.05 min Scan# 2765

Delta R.T. 0.01 min

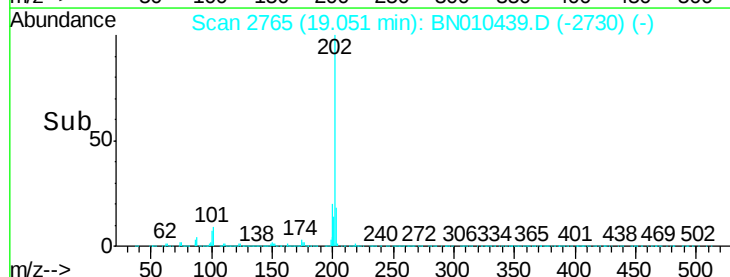
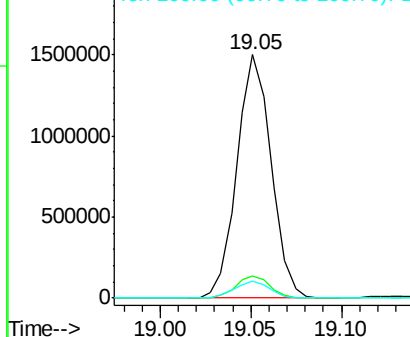
Lab File: BN010439.D

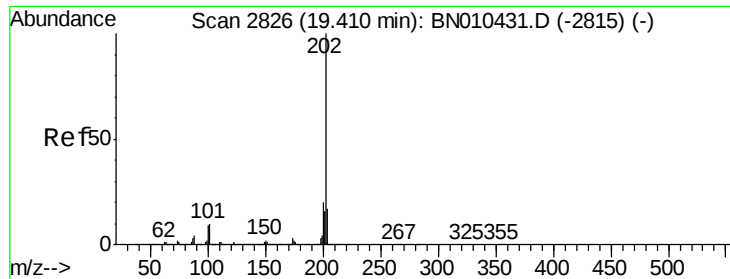
Acq: 08 Apr 2020 20:32

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1959933 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 9.3   | 8.1   | 12.1    |
| 100       | 6.8   | 6.2   | 9.4     |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B





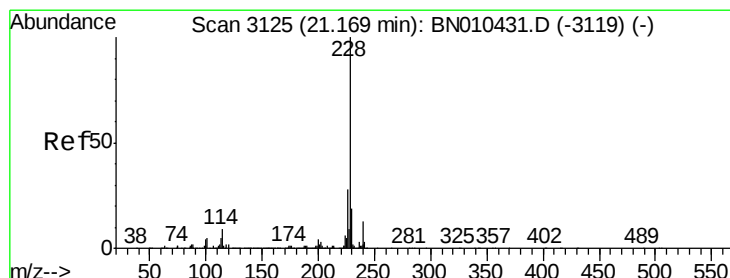
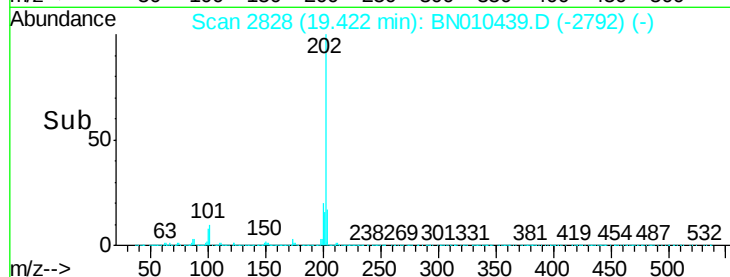
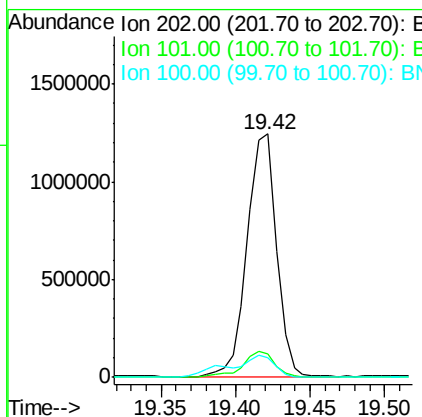
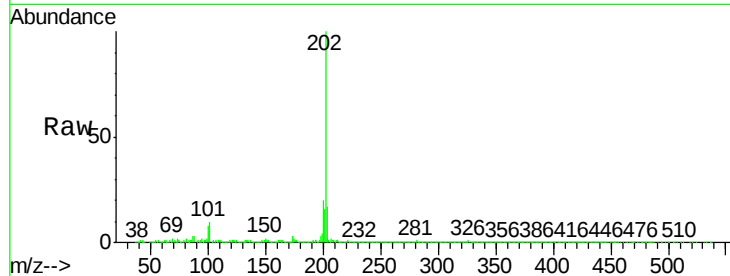
#80  
Pvrene  
Concen: 9.351 ng/ul  
RT: 19.42 min Scan# 2828  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

Instrument :  
BNA\_N  
ClientSampleId :  
DBFA7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.5   | 9.6   | 14.4# |
| 100     | 8.3   | 8.1   | 12.1  |

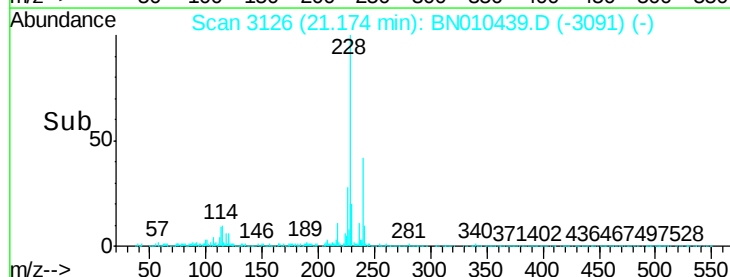
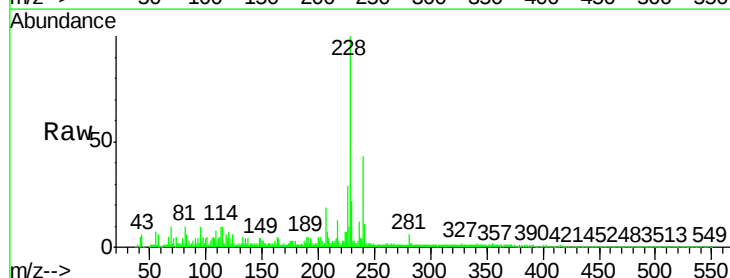
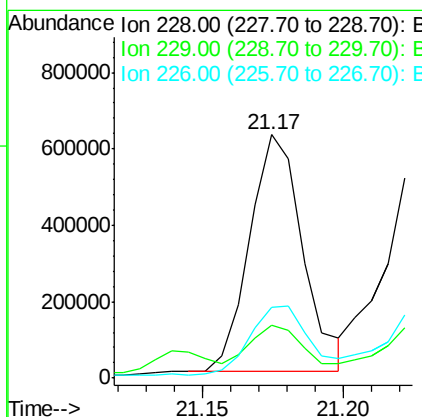
Manual Integrations  
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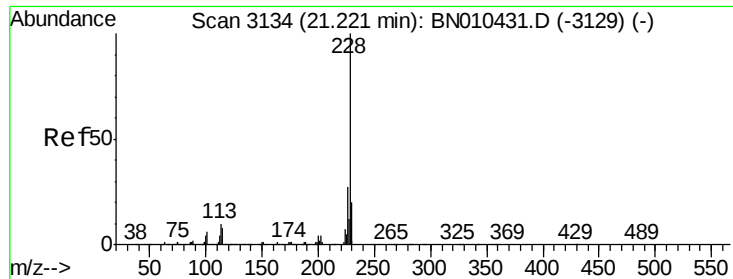
mohammad  
4/9/2020 11:38:38 AM



#83  
Benzo(a)anthracene  
Concen: 4.492 ng/ul  
RT: 21.17 min Scan# 3126  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.6  | 15.7  | 23.5  |
| 226     | 29.1  | 21.0  | 31.6  |





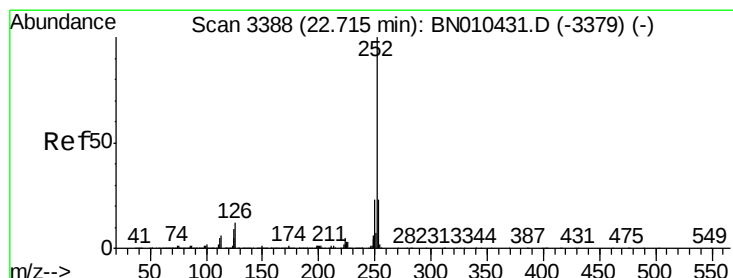
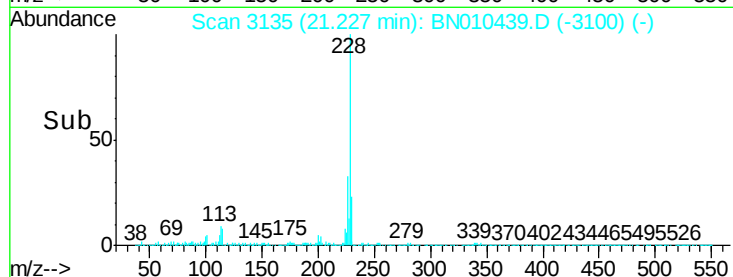
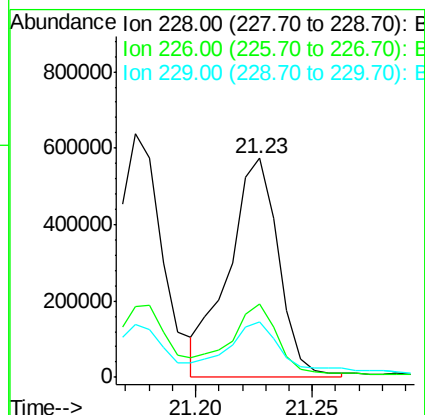
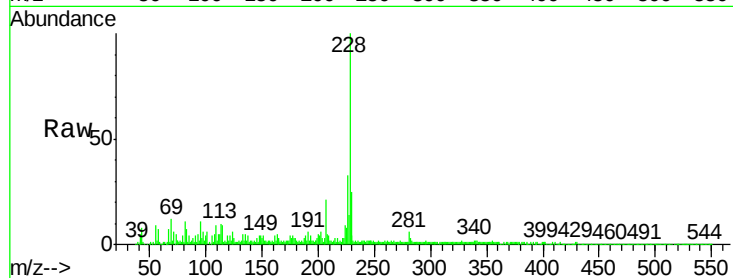
#85  
Chrysene  
Concen: 5.002 ng/ul m  
RT: 21.23 min Scan# 3135  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

Instrument :  
BNA\_N  
ClientSampleId :  
DBFA7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.3  | 23.0  | 34.6  |
| 229     | 25.1  | 15.7  | 23.5  |

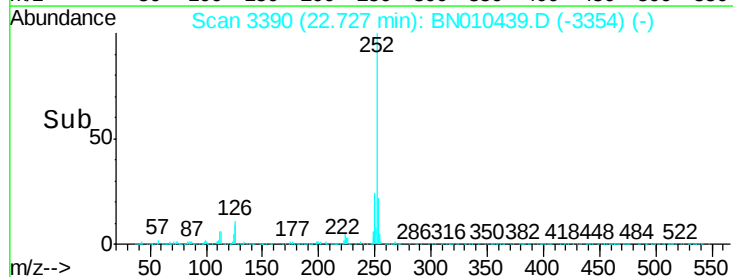
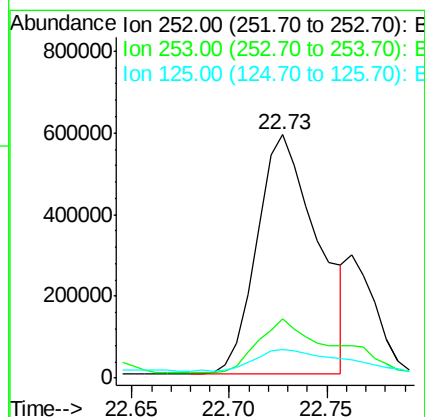
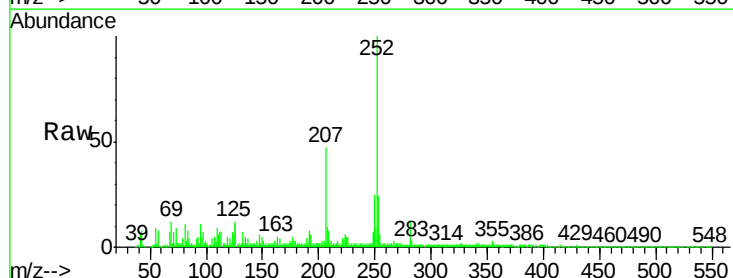
Manual Integrations  
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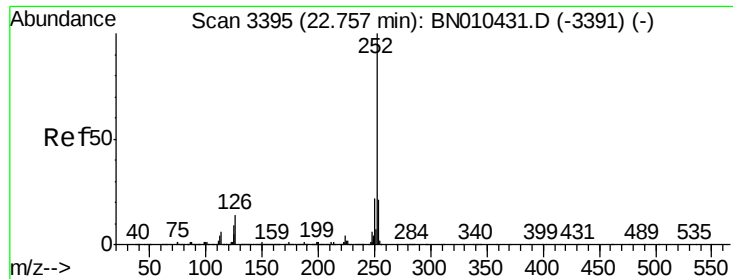
mohammad  
4/9/2020 11:38:38 AM



#88  
Benzo(b)fluoranthene  
Concen: 8.762 ng/ul  
RT: 22.73 min Scan# 3390  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 16.0  | 24.0  |
| 125     | 11.8  | 7.4   | 11.0  |





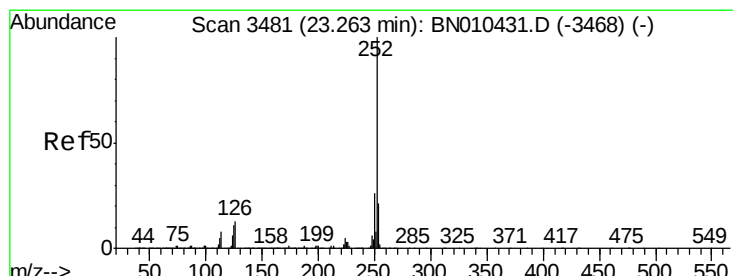
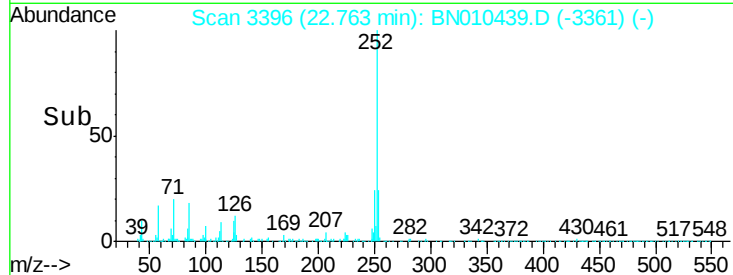
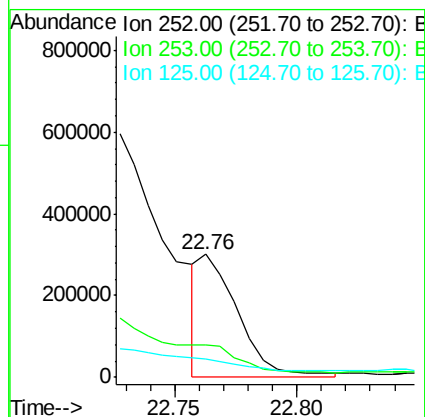
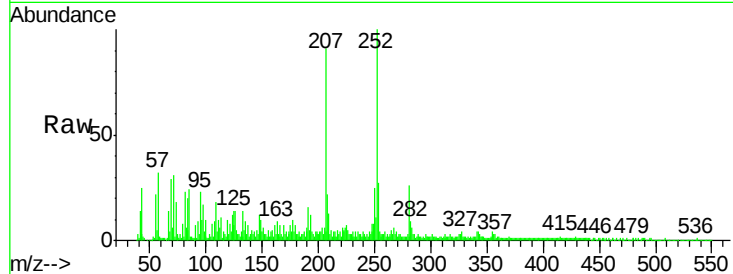
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Benzo(k)fluoranthene  
Concen: 2.368 ng/ul m  
RT: 22.76 min Scan# 3396  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

Instrument :  
BNA\_N  
ClientSampleId :  
DBFA7

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 331389 |       |       |
| 253     | 26.8  | 18.6   | 27.8  |       |
| 125     | 14.5  | 8.1    | 12.1# |       |

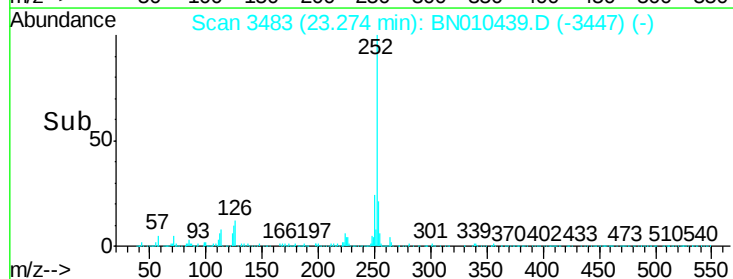
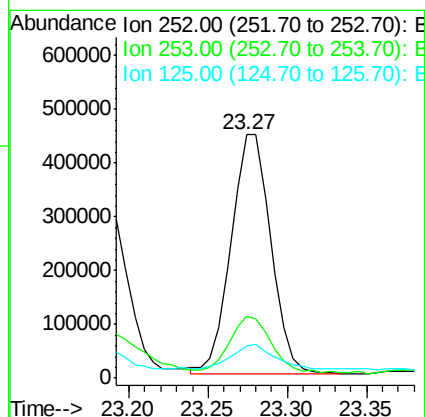
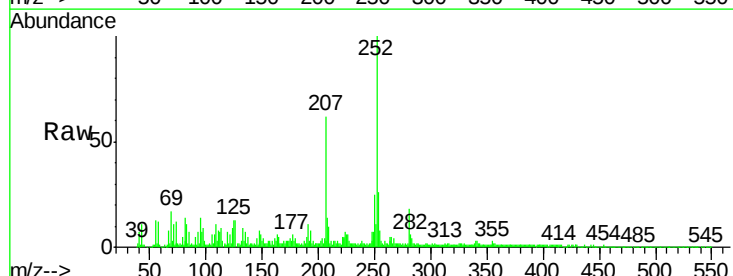
Manual Integrations  
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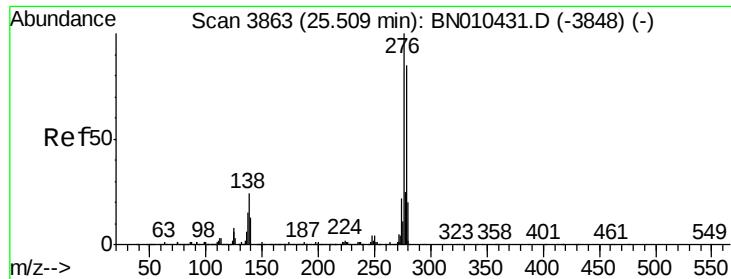
mohammad  
4/9/2020 11:38:38 AM



#91  
Benzo(a)pyrene  
Concen: 5.791 ng/ul  
RT: 23.27 min Scan# 3483  
Delta R.T. 0.01 min  
Lab File: BN010439.D  
Acq: 08 Apr 2020 20:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 781037 |       |       |
| 253     | 25.6  | 18.6   | 27.8  |       |
| 125     | 13.1  | 8.9    | 13.3  |       |





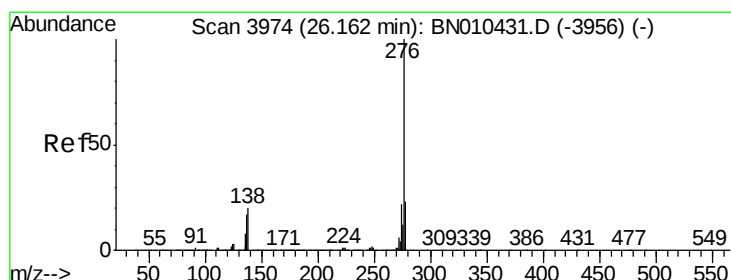
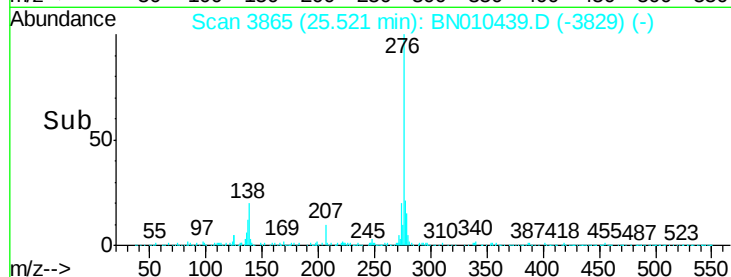
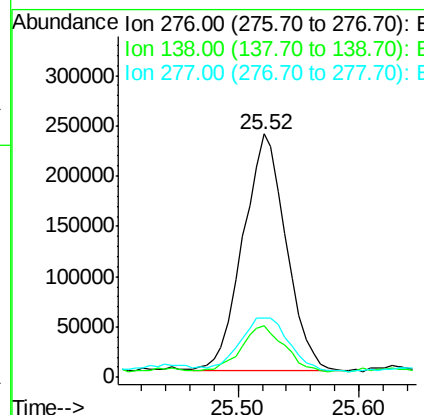
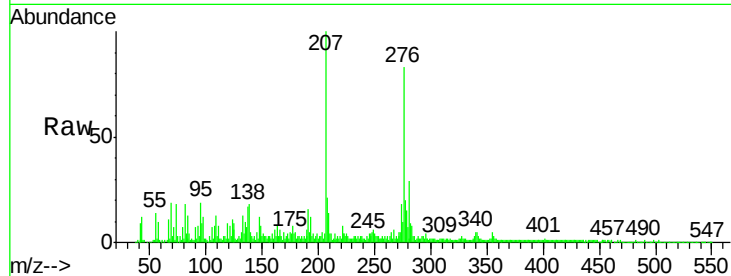
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 Indeno(1,2,3-cd)pyrene  
 Concen: 3.365 ng/ul  
 RT: 25.52 min Scan# 3865  
 Delta R.T. 0.01 min  
 Lab File: BN010439.D  
 Acq: 08 Apr 2020 20:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFA7

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 585729 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 21.0  | 19.8  | 29.8   |
| 277       | 24.1  | 20.6  | 30.8   |

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#94  
 Benzo(g,h,i)perylene  
 Concen: 3.308 ng/ul  
 RT: 26.18 min Scan# 3977  
 Delta R.T. 0.02 min  
 Lab File: BN010439.D  
 Acq: 08 Apr 2020 20:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 485186 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.3  | 16.8  | 25.2   |
| 277       | 25.5  | 18.4  | 27.6   |

