

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050819\  
 Data File : BN005545.D  
 Acq On : 08 May 2019 22:53  
 Operator : JU/SJ  
 Sample : K2606-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5138

Manual Integrations  
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Sohil  
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Quant Time: May 09 04:13:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 289799   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1266653  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 817857   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.97 | 188  | 1936274  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.20 | 240  | 1396122  | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.40 | 264  | 1327721  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 20752   | 3.46  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.77  | 99  | 483765  | 21.25 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 278731  | 19.63 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 406980  | 23.36 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 390710  | 21.96 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 215283  | 27.61 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 242344  | 30.66 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 453381  | 25.03 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 320451  | 17.15 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1501897 | 25.30 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1897204 | 26.02 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 212646m | 22.68 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.22 | 176 | 1356427 | 27.22 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 163588  | 18.78 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.07 | 188 | 2088284 | 25.73 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 2152830 | 30.14 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1537786 | 26.50 | ng/ul | -0.01 |

## Target Compounds

|                            |       |     |         |        |        | Qvalue |
|----------------------------|-------|-----|---------|--------|--------|--------|
| 6) Phenol                  | 6.80  | 94  | 48632   | 2.077  | ng/ul  | 99     |
| 44) Dimethylphthalate      | 13.69 | 163 | 354574  | 5.994  | ng/ul  | 99     |
| 69) Phenanthrene           | 17.02 | 178 | 495066  | 5.250  | ng/ul  | 99     |
| 76) Fluoranthene           | 19.05 | 202 | 1267102 | 12.114 | ng/ul  | 95     |
| 79) Pyrene                 | 19.42 | 202 | 980273  | 10.905 | ng/ul  | 95     |
| 82) Benzo(a)anthracene     | 21.19 | 228 | 361819  | 4.166  | ng/ul  | 97     |
| 84) Chrysene               | 21.24 | 228 | 492744  | 6.113  | ng/ul  | 97     |
| 87) Benzo(b)fluoranthene   | 22.75 | 252 | 620872  | 8.319  | ng/ul  | 97     |
| 88) Benzo(k)fluoranthene   | 22.79 | 252 | 197783m | 2.775  | ng/ul  |        |
| 90) Benzo(a)pyrene         | 23.31 | 252 | 344972  | 4.917  | ng/ul  | 98     |
| 91) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 272967  | 3.519  | ng/ul# | 91     |
| 93) Benzo(g,h,i)perylene   | 26.25 | 276 | 259934  | 4.053  | ng/ul  | 95     |

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

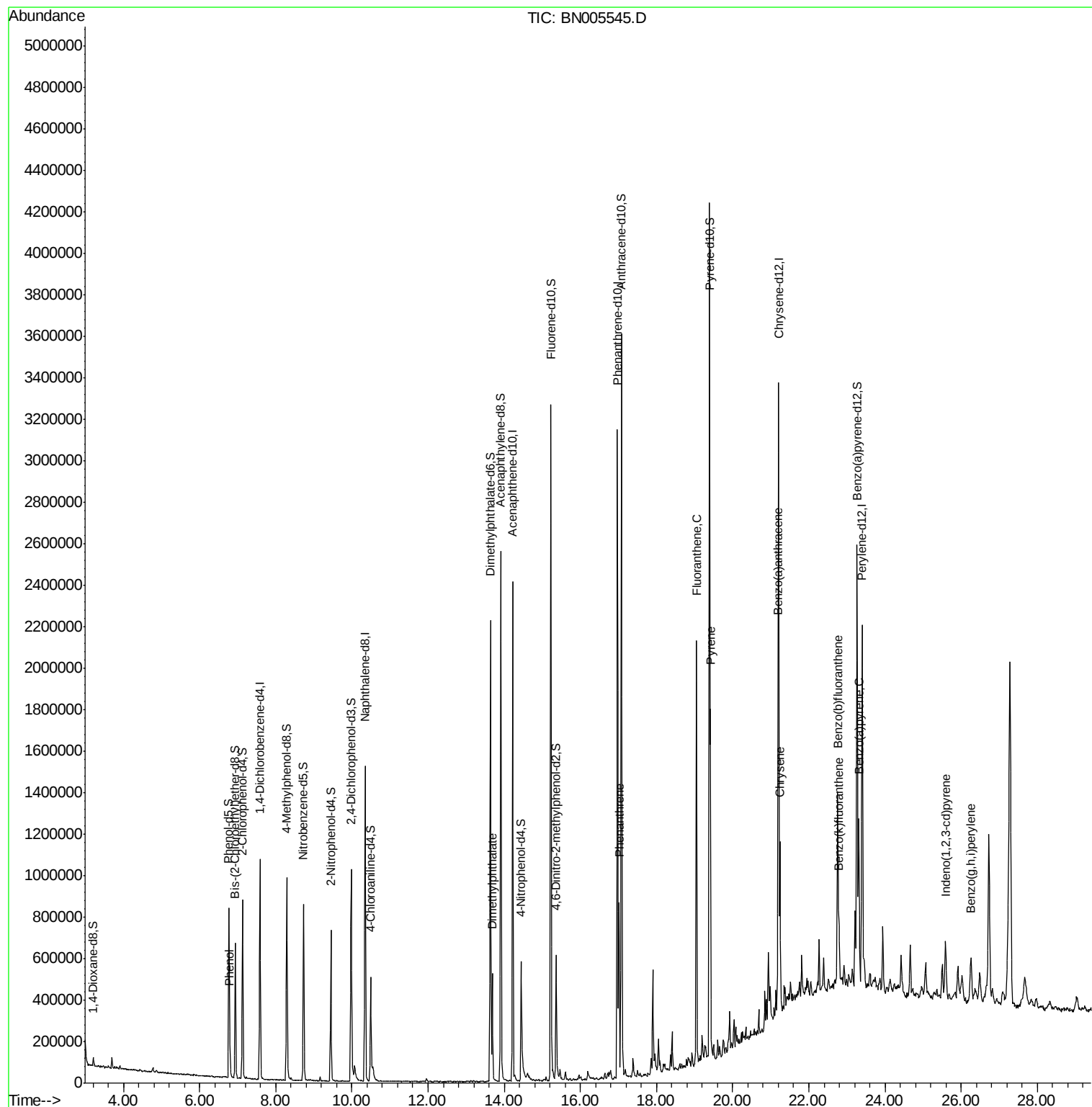
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050819\  
Data File : BN005545.D  
Acq On : 08 May 2019 22:53  
Operator : JU/SJ  
Sample : K2606-04  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

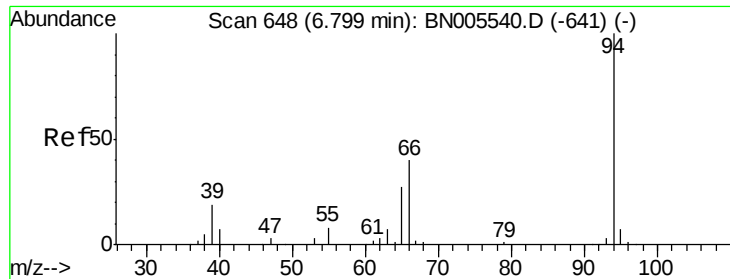
Instrument :  
BNA\_N  
ClientSampleId :  
A5138

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Quant Time: May 09 04:13:22 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 07 05:36:07 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 2.077 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. 0.00 min

Lab File: BN005545.D

Acq: 08 May 2019 22:53

Instrument :

BNA\_N

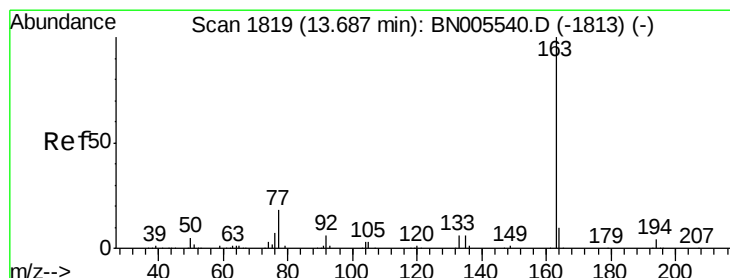
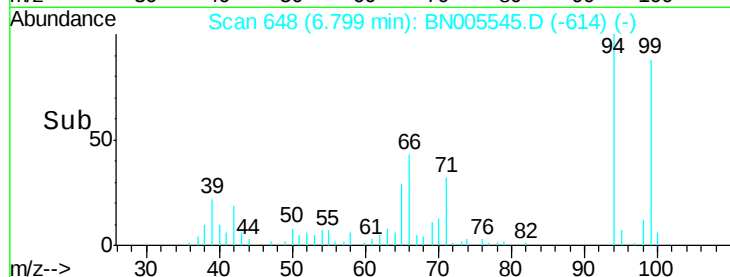
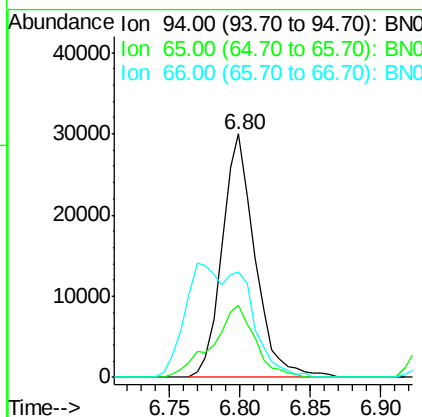
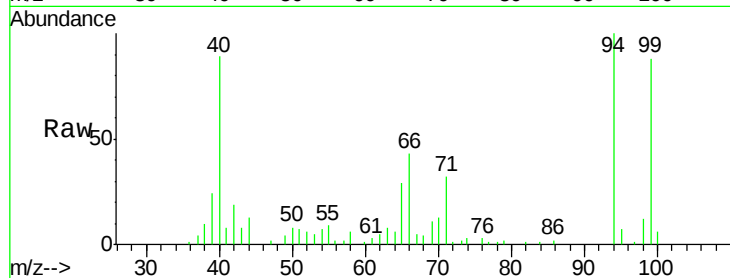
ClientSampleId :

A5138

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 48632 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 29.5  | 24.2  | 36.4  |
| 66        | 43.1  | 33.8  | 50.6  |

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#44

Dimethylphthalate

Concen: 5.994 ng/ul

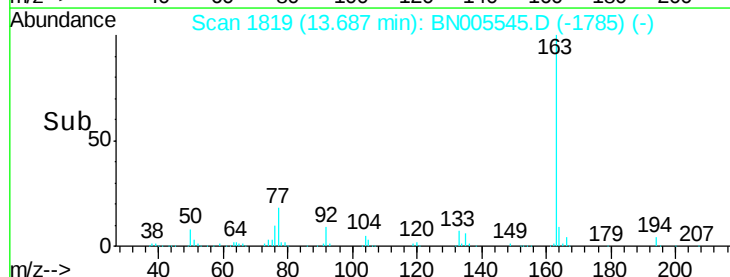
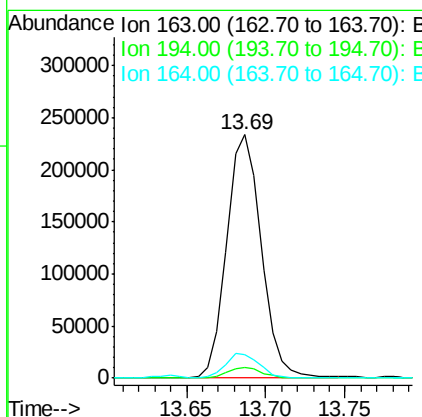
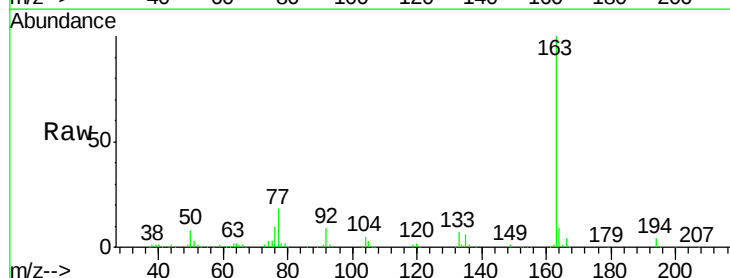
RT: 13.69 min Scan# 1819

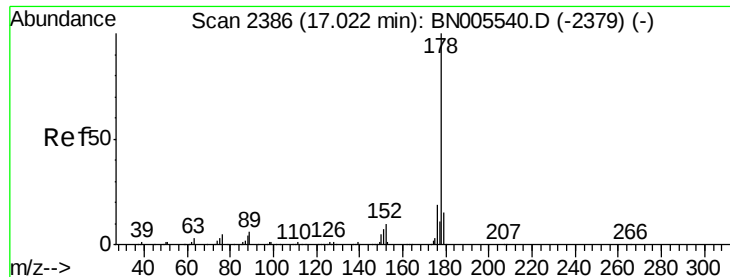
Delta R.T. 0.00 min

Lab File: BN005545.D

Acq: 08 May 2019 22:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 354574 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.2   | 3.4   | 5.0    |
| 164       | 9.4   | 8.1   | 12.1   |





#69

Phenanthrene

Concen: 5.250 ng/ul

RT: 17.02 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BN005545.D

Acq: 08 May 2019 22:53

Instrument :

BNA\_N

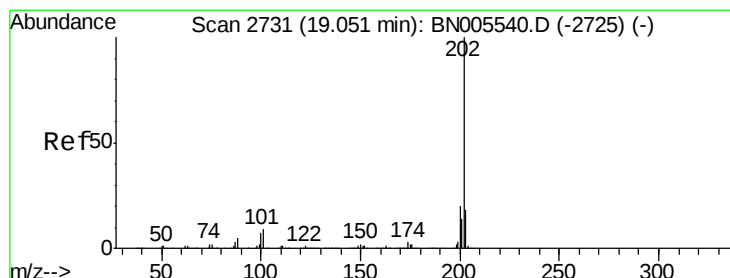
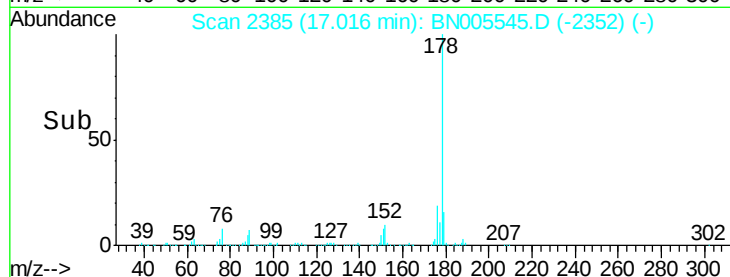
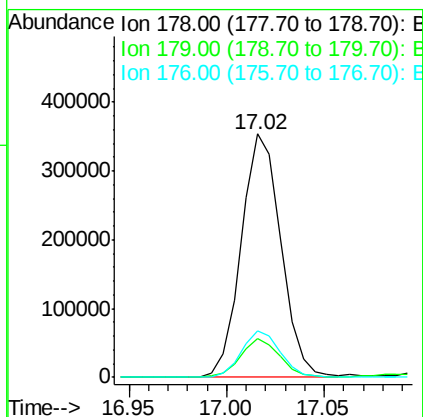
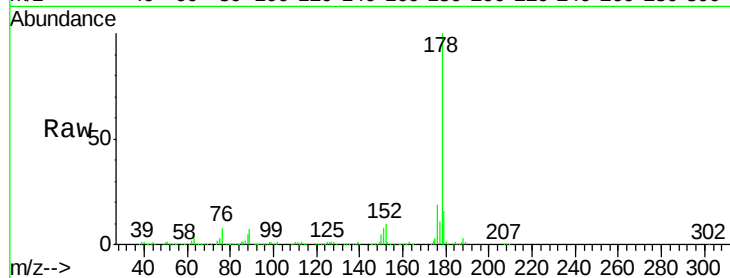
ClientSampleId :

A5138

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 495066 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 16.0  | 12.2  | 18.4   |
| 176       | 19.2  | 15.1  | 22.7   |

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#76

Fluoranthene

Concen: 12.114 ng/ul

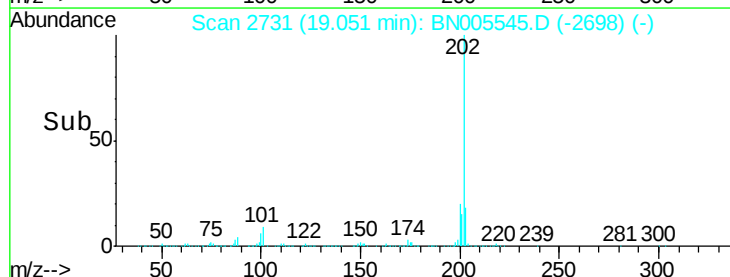
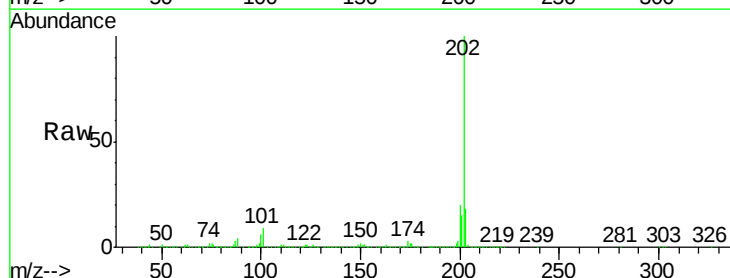
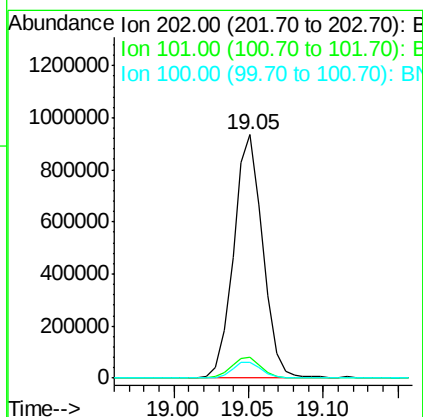
RT: 19.05 min Scan# 2731

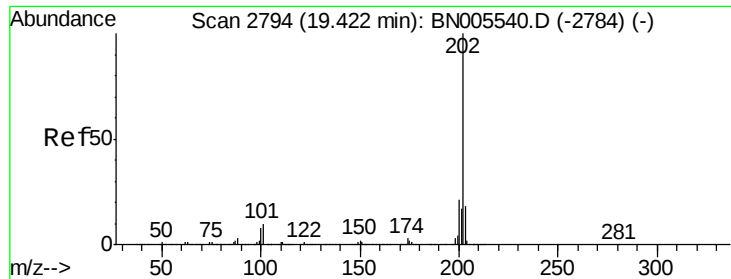
Delta R.T. -0.01 min

Lab File: BN005545.D

Acq: 08 May 2019 22:53

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1267102 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 8.8   | 8.6   | 12.8    |
| 100       | 6.5   | 6.3   | 9.5     |





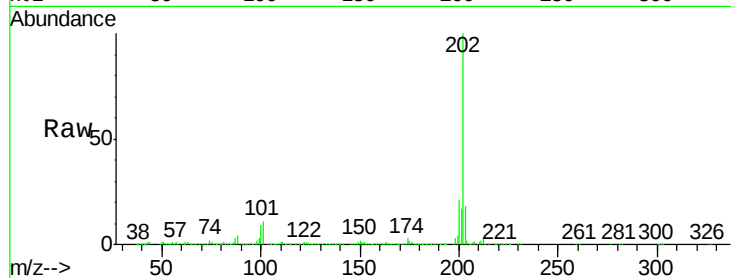
#79  
 Pyrene  
 Concen: 10.905 ng/ul  
 RT: 19.42 min Scan# 2793  
 Delta R.T. -0.01 min  
 Lab File: BN005545.D  
 Acq: 08 May 2019 22:53

Instrument :  
 BNA\_N  
 ClientSampled :  
 A5138

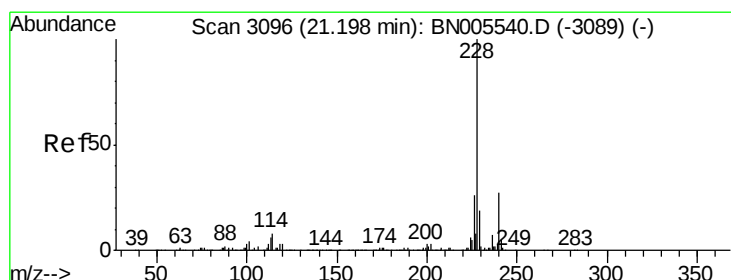
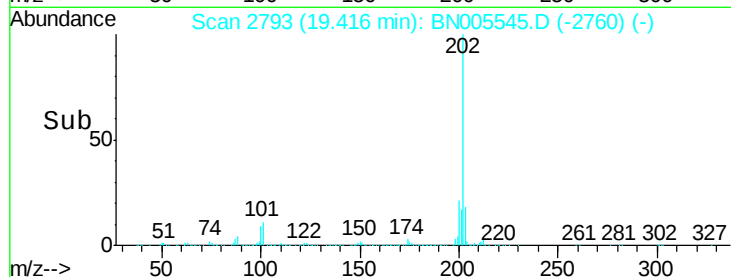
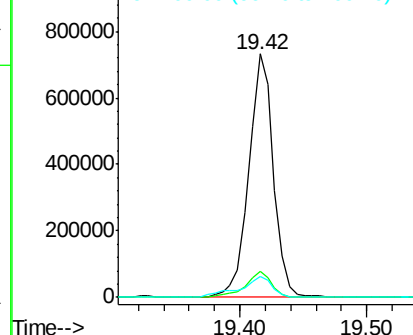
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 980273 |       |       |
| 101     | 10.6  |        | 10.3  | 15.5  |
| 100     | 8.8   |        | 7.9   | 11.9  |

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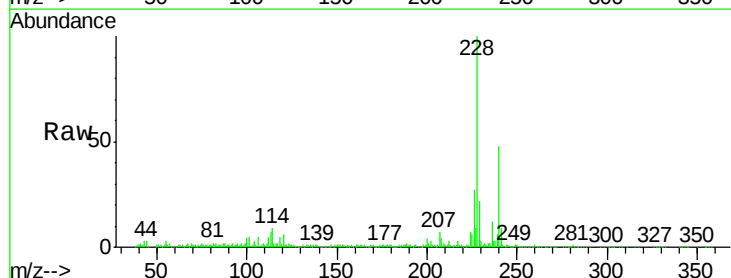


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

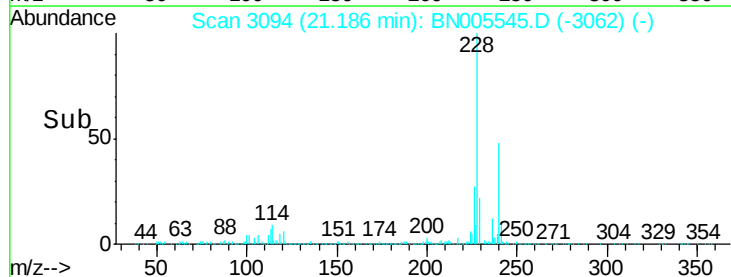
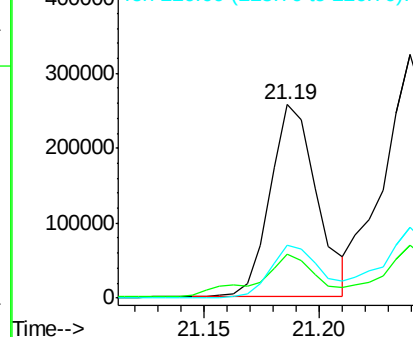


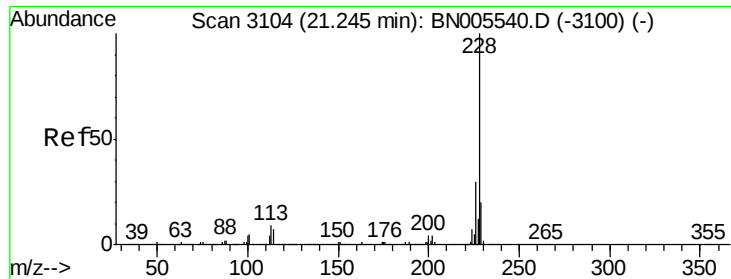
#82  
 Benzo(a)anthracene  
 Concen: 4.166 ng/ul  
 RT: 21.19 min Scan# 3094  
 Delta R.T. -0.01 min  
 Lab File: BN005545.D  
 Acq: 08 May 2019 22:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 361819 |       |       |
| 229     | 22.4  |        | 15.8  | 23.6  |
| 226     | 27.3  |        | 21.4  | 32.2  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 229.00 (228.70 to 229.70): E  
 Ion 226.00 (225.70 to 226.70): E





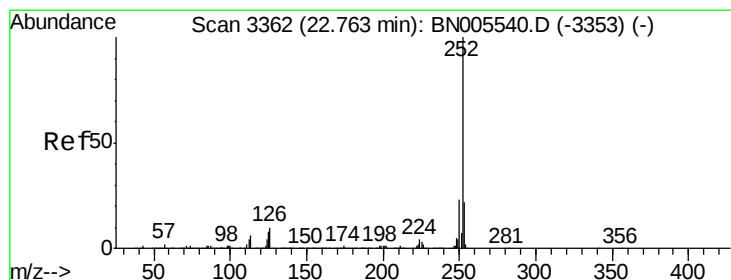
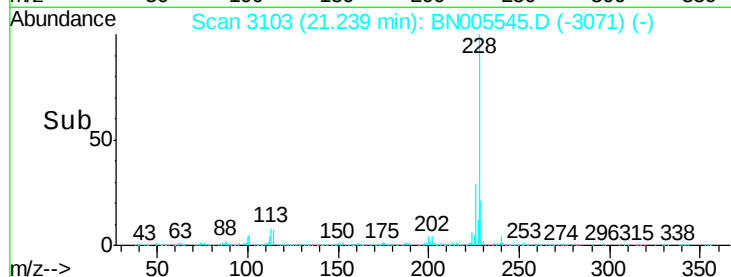
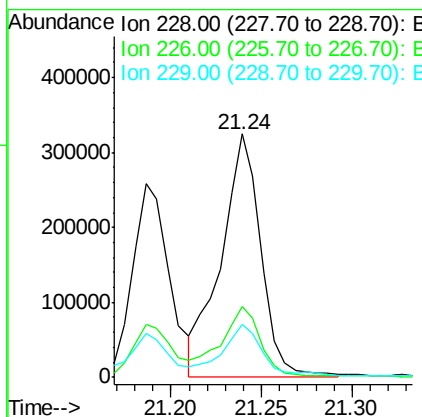
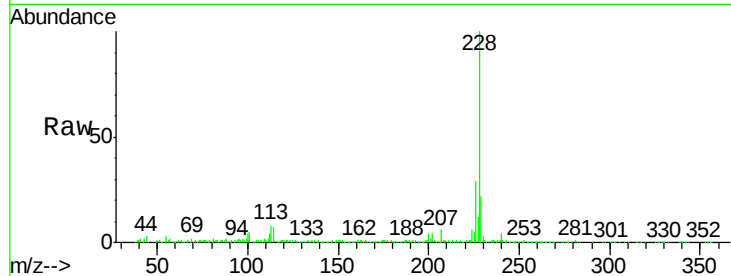
#84  
Chrysene  
Concen: 6.113 ng/ul  
RT: 21.24 min Scan# 3103  
Delta R.T. -0.01 min  
Lab File: BN005545.D  
Acq: 08 May 2019 22:53

Instrument :  
BNA\_N  
ClientSampleId :  
A5138

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 492744 |       |       |
| 226     | 29.0  | 24.0   | 36.0  |       |
| 229     | 21.5  | 15.4   | 23.0  |       |

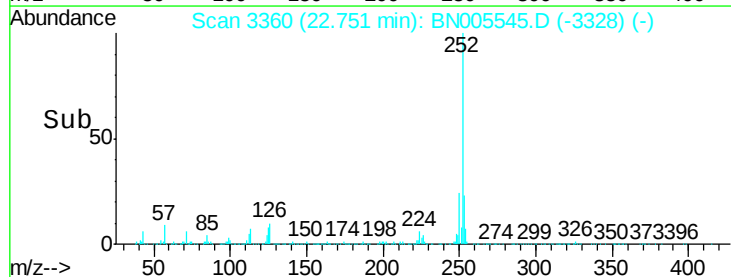
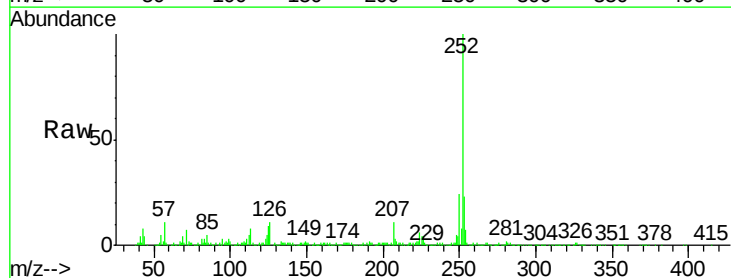
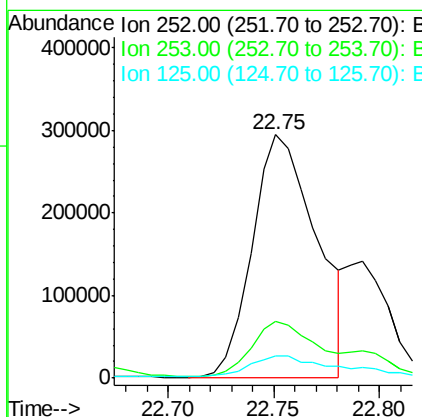
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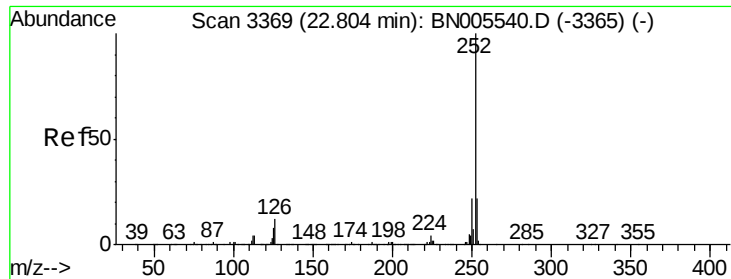
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#87  
Benzo(b)fluoranthene  
Concen: 8.319 ng/ul  
RT: 22.75 min Scan# 3360  
Delta R.T. -0.01 min  
Lab File: BN005545.D  
Acq: 08 May 2019 22:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 620872 |       |       |
| 253     | 23.4  | 17.7   | 26.5  |       |
| 125     | 9.0   | 8.4    | 12.6  |       |





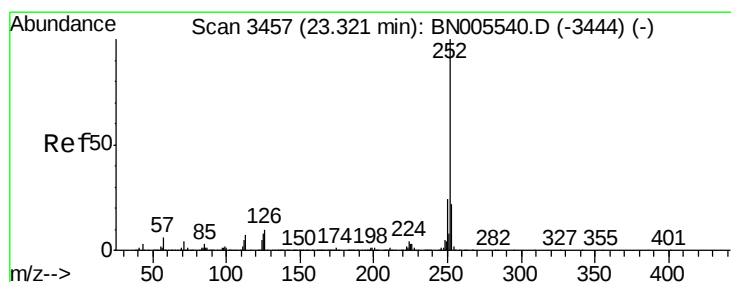
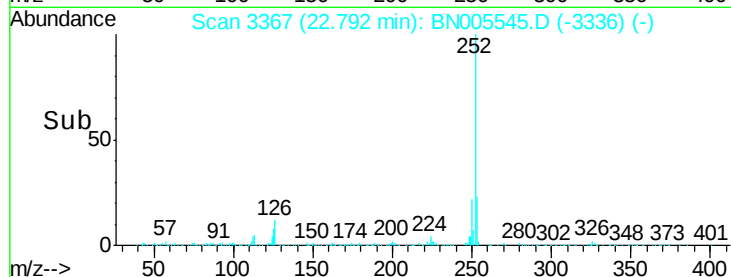
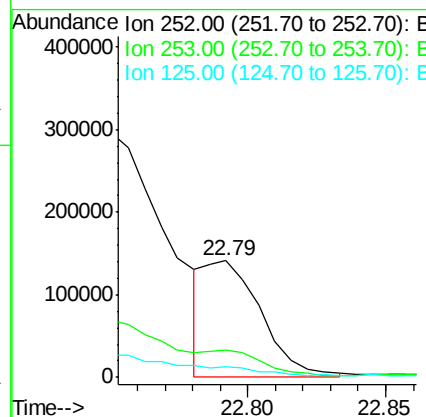
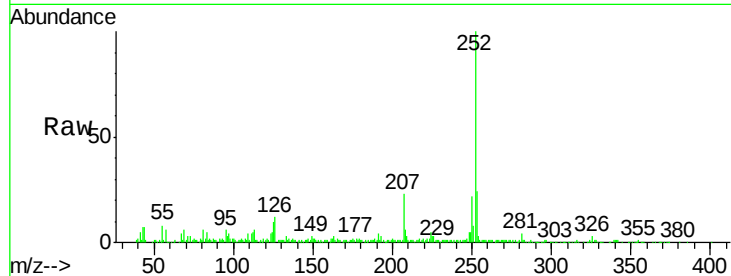
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Benzo(k)fluoranthene  
Concen: 2.775 ng/ul m  
RT: 22.79 min Scan# 3367  
Delta R.T. -0.02 min  
Lab File: BN005545.D  
Acq: 08 May 2019 22:53

Instrument :  
BNA\_N  
ClientSampled :  
A5138

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 197783 |       |       |
| 253     | 23.6  | 17.4   | 26.0  |       |
| 125     | 9.6   | 7.5    | 11.3  |       |

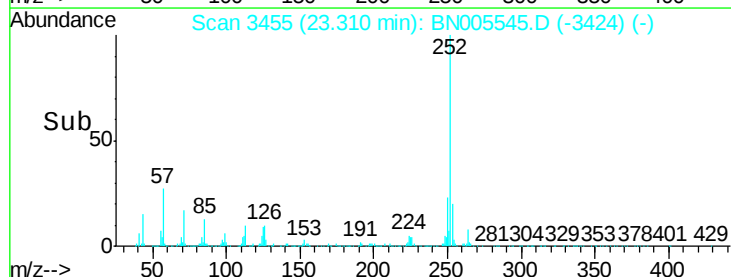
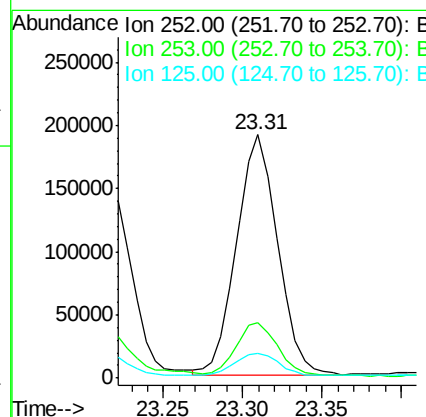
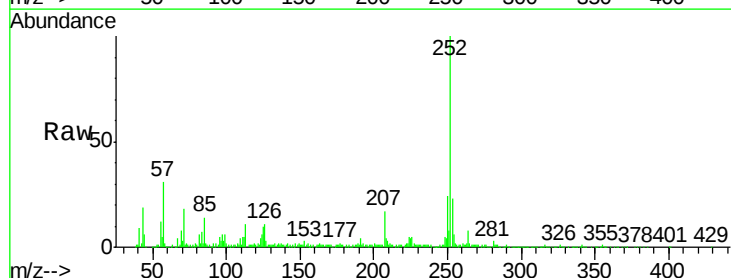
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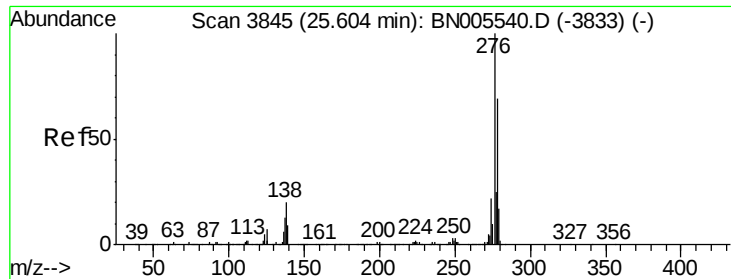
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#90  
Benzo(a)pyrene  
Concen: 4.917 ng/ul  
RT: 23.31 min Scan# 3455  
Delta R.T. -0.02 min  
Lab File: BN005545.D  
Acq: 08 May 2019 22:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 344972 |       |       |
| 253     | 22.8  | 17.3   | 25.9  |       |
| 125     | 10.2  | 8.6    | 13.0  |       |





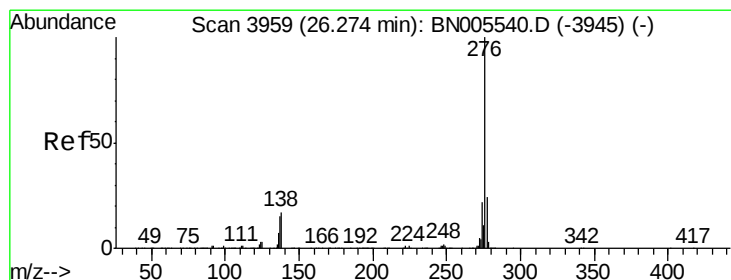
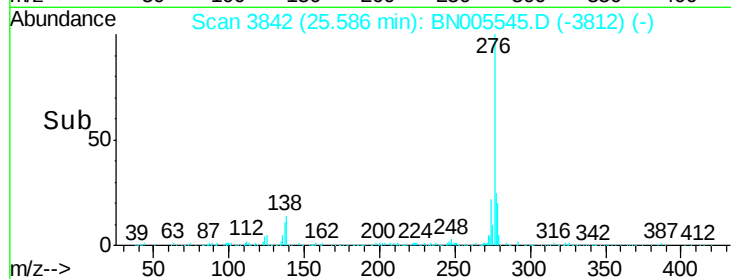
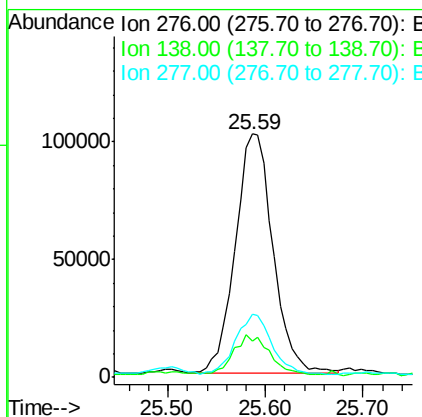
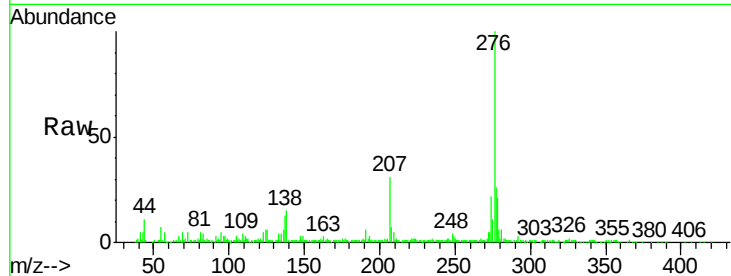
#91  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.519 ng/ul  
 RT: 25.59 min Scan# 3842  
 Delta R.T. -0.02 min  
 Lab File: BN005545.D  
 Acq: 08 May 2019 22:53

Instrument :  
 BNA\_N  
 ClientSampled :  
 A5138

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 14.8  | 17.9       | 26.9#      |
| 277     | 26.1  | 19.7       | 29.5       |

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#93  
 Benzo(g,h,i)perylene  
 Concen: 4.053 ng/ul  
 RT: 26.25 min Scan# 3955  
 Delta R.T. -0.02 min  
 Lab File: BN005545.D  
 Acq: 08 May 2019 22:53

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 18.1  | 16.7       | 25.1       |
| 277     | 24.9  | 18.2       | 27.2       |

