

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN072318\  
 Data File : BN002121.D  
 Acq On : 24 Jul 2018 00:13  
 Operator : JU/SJ  
 Sample : J4038-05  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB1M0

Manual Integrations  
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 7/24/2018 2:14:54 PM

Quant Time: Jul 24 04:05:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 24 02:24:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 265541   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.47 | 136  | 1218338  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 730002   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.08 | 188  | 1610187  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.28 | 240  | 1554736  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.51 | 264  | 1345227  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 16612   | 2.82  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.88  | 99  | 416602  | 16.66 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.04  | 67  | 259455  | 17.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 336368  | 17.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 325813  | 16.18 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 177731  | 17.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 199351  | 17.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 352686  | 17.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.61 | 131 | 368591  | 15.52 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 1102494 | 17.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 1409505 | 18.31 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 172396  | 14.58 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 980761  | 18.43 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 138745  | 13.23 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.17 | 188 | 1480879 | 18.86 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.47 | 212 | 1629619 | 20.16 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.37 | 264 | 1369142 | 18.85 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       | Qvalue |    |
|----------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                  | 6.90  | 94  | 60583  | 2.413 | ng/ul# | 89 |
| 44) Dimethylphthalate      | 13.79 | 163 | 119072 | 1.965 | ng/ul  | 99 |
| 69) Phenanthrene           | 17.12 | 178 | 104070 | 1.151 | ng/ul  | 98 |
| 76) Fluoranthene           | 19.14 | 202 | 425975 | 4.439 | ng/ul  | 99 |
| 79) Pyrene                 | 19.50 | 202 | 410499 | 4.115 | ng/ul  | 99 |
| 82) Benzo(a)anthracene     | 21.26 | 228 | 261535 | 2.641 | ng/ul  | 98 |
| 84) Chrysene               | 21.32 | 228 | 268992 | 2.914 | ng/ul  | 97 |
| 87) Benzo(b)fluoranthene   | 22.84 | 252 | 374747 | 4.526 | ng/ul  | 96 |
| 88) Benzo(k)fluoranthene   | 22.88 | 252 | 99812m | 1.269 | ng/ul  |    |
| 90) Benzo(a)pyrene         | 23.41 | 252 | 259176 | 3.294 | ng/ul# | 97 |
| 91) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 169534 | 1.864 | ng/ul# | 92 |
| 93) Benzo(g,h,i)perylene   | 26.42 | 276 | 114771 | 1.502 | ng/ul  | 97 |

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

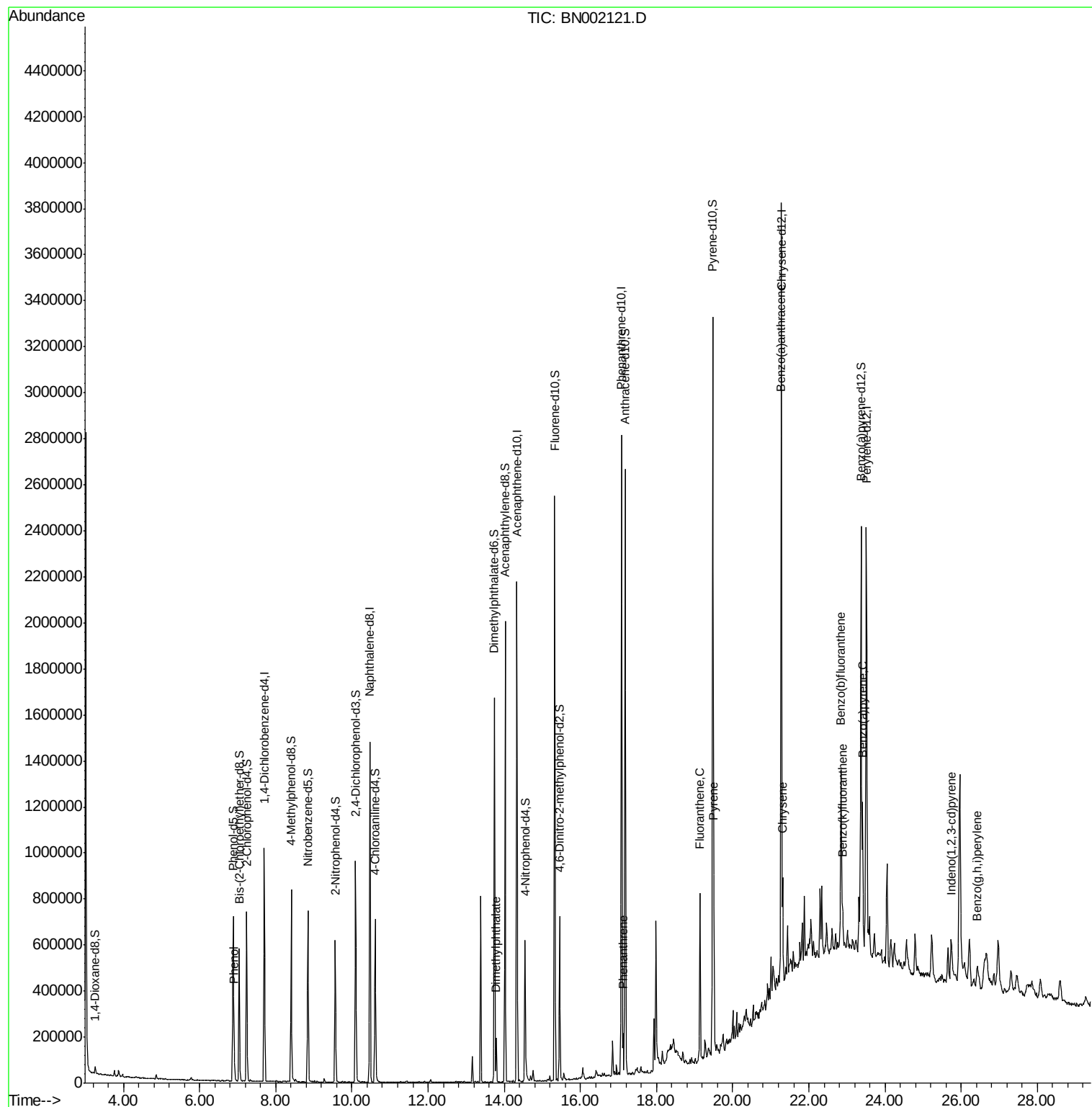
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN072318\  
Data File : BN002121.D  
Acq On : 24 Jul 2018 00:13  
Operator : JU/SJ  
Sample : J4038-05  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

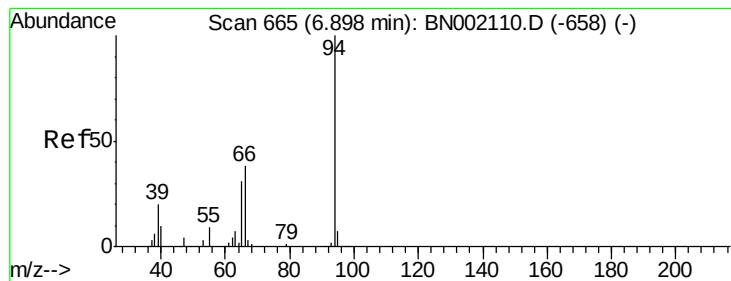
Instrument :  
BNA\_N  
ClientSampleId :  
DB1M0

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Quant Time: Jul 24 04:05:51 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 24 02:24:22 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 2.413 ng/ul

RT: 6.90 min Scan# 666

Delta R.T. 0.01 min

Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

Instrument :

BNA\_N

ClientSampleId :

DB1M0

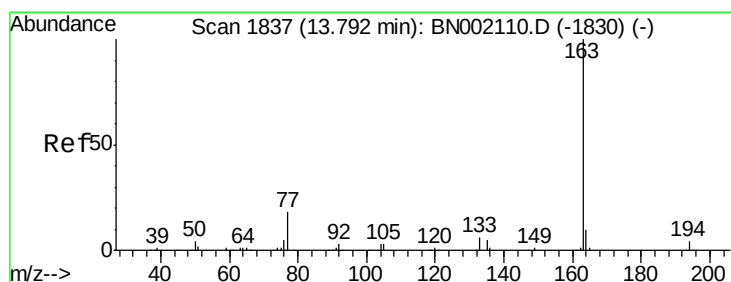
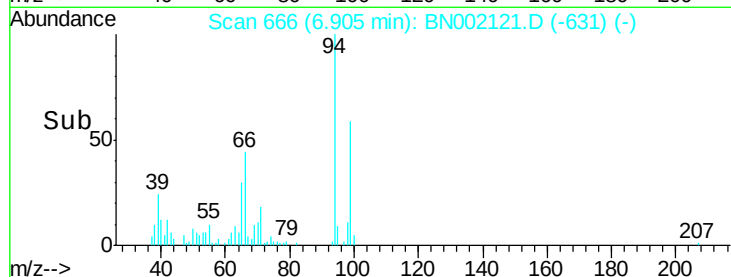
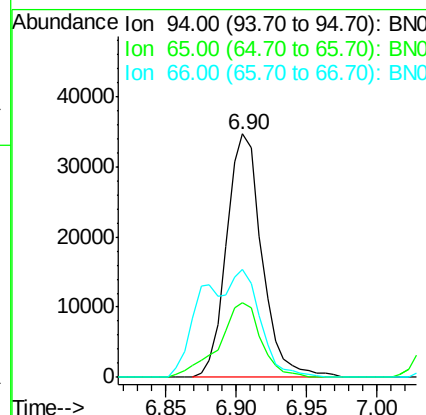
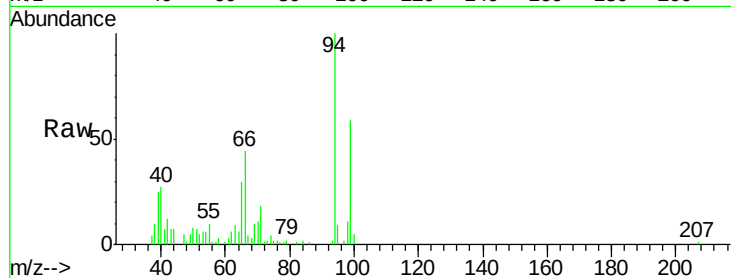
Tgt Ion: 94 Resp: 60583

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.5  | 21.0  | 31.6  |
| 66  | 44.4  | 29.3  | 43.9  |

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#44

Dimethylphthalate

Concen: 1.965 ng/ul

RT: 13.79 min Scan# 1836

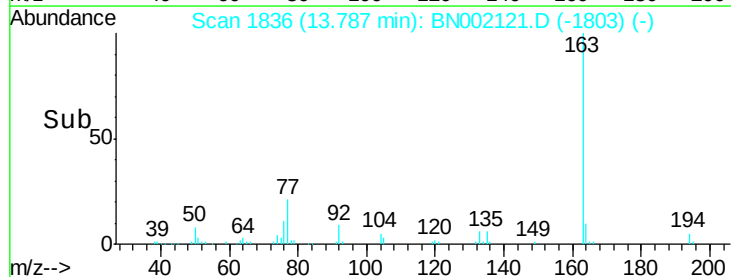
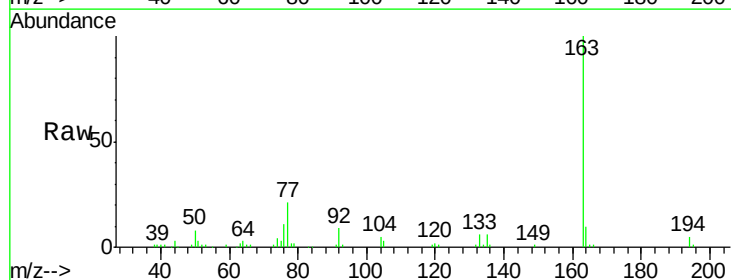
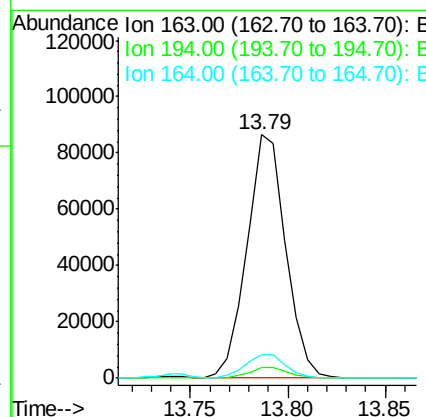
Delta R.T. -0.01 min

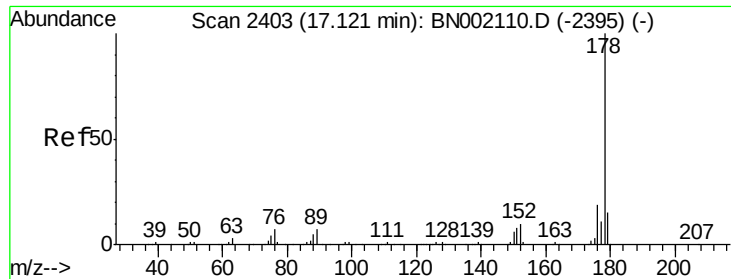
Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

Tgt Ion: 163 Resp: 119072

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.6   | 3.2   | 4.8   |
| 164 | 9.8   | 7.8   | 11.8  |





#69

Phenanthrene

Concen: 1.151 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

Instrument :

BNA\_N

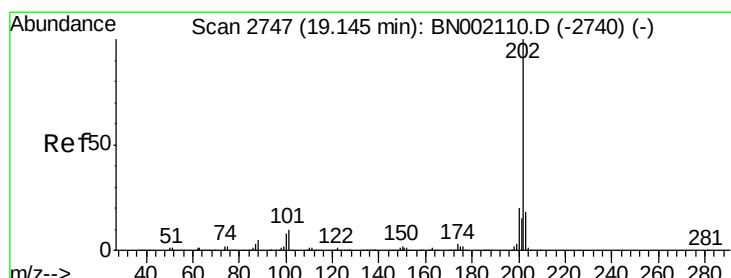
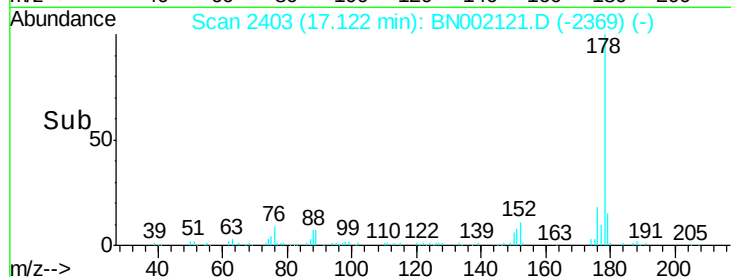
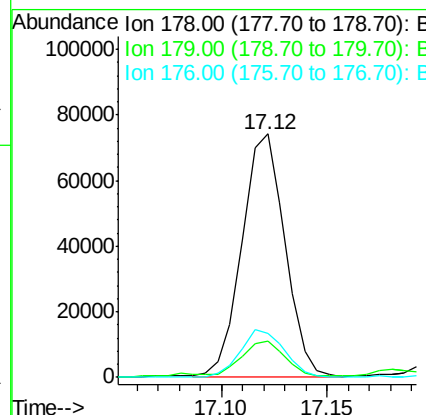
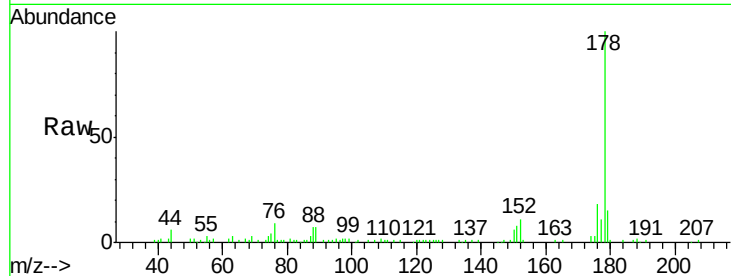
ClientSampleId :

DB1M0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 104070 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.0  | 12.2  | 18.4   |
| 176       | 18.0  | 15.6  | 23.4   |

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#76

Fluoranthene

Concen: 4.439 ng/ul

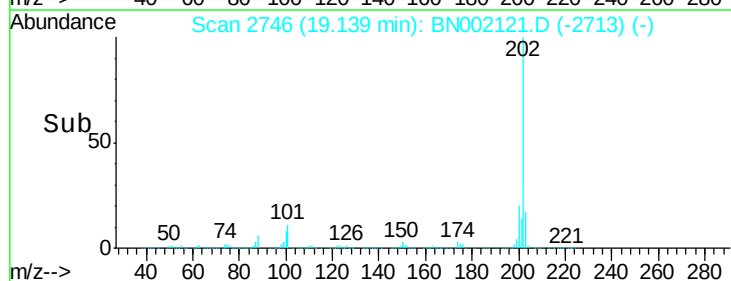
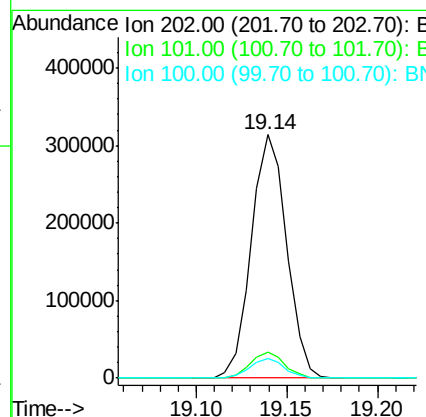
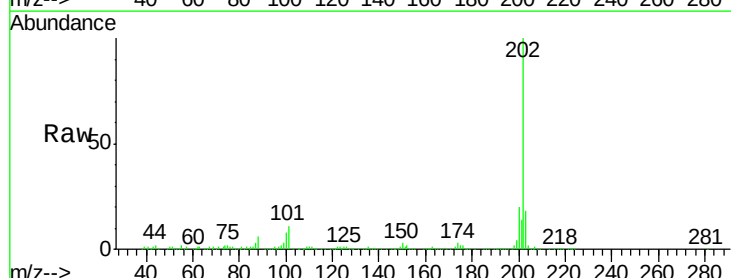
RT: 19.14 min Scan# 2746

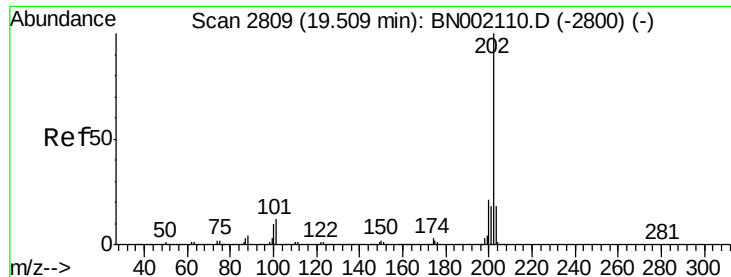
Delta R.T. -0.01 min

Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 425975 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.9  | 8.8   | 13.2   |
| 100       | 7.9   | 6.6   | 9.8    |





#79

Pyrene

Concen: 4.115 ng/ul

RT: 19.50 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

Instrument :

BNA\_N

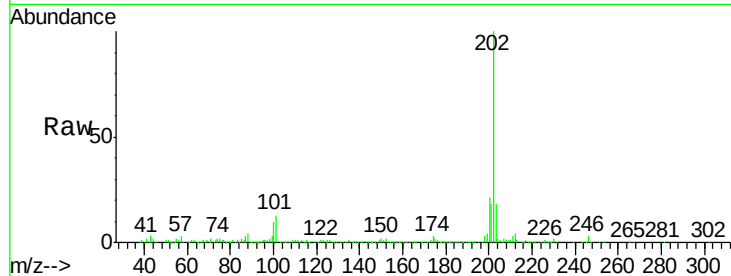
ClientSampleId :

DB1M0

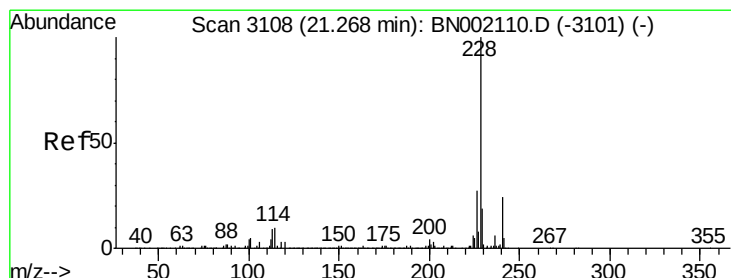
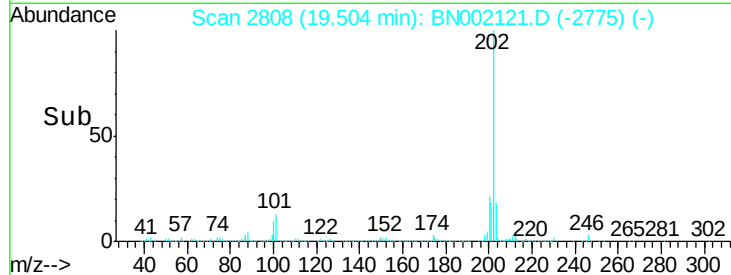
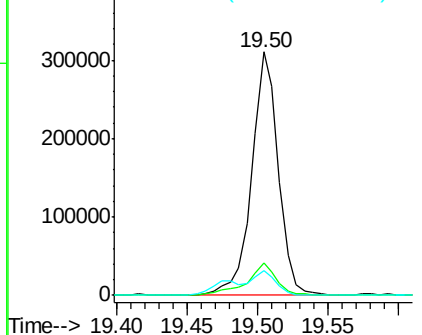
|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 202   | Resp  | 410499 |
| Ion | Ratio | Lower | Upper |        |
| 202 | 100   |       |       |        |
| 101 | 13.1  | 10.2  | 15.2  |        |
| 100 | 10.2  | 8.5   | 12.7  |        |

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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: 2.641 ng/ul

RT: 21.26 min Scan# 3107

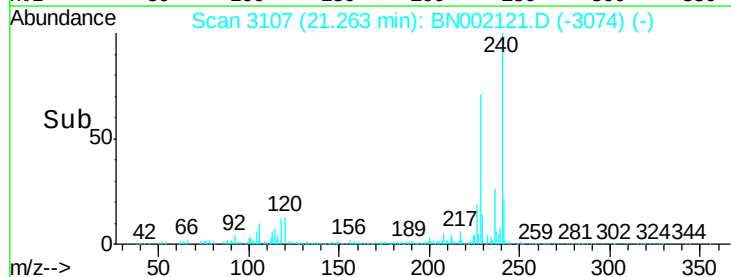
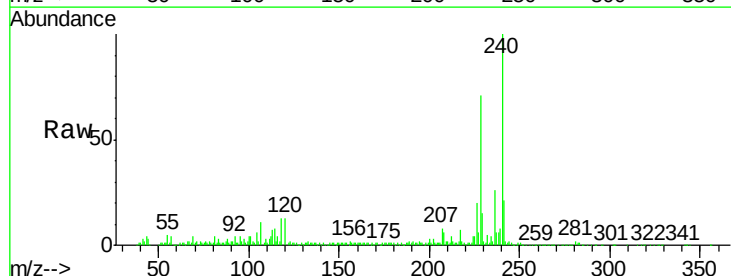
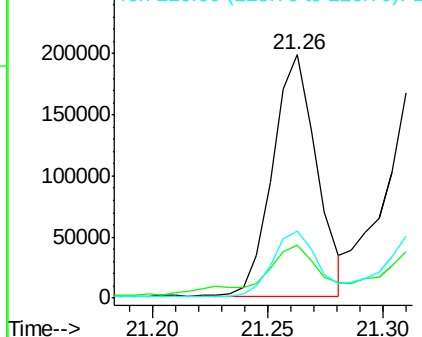
Delta R.T. -0.01 min

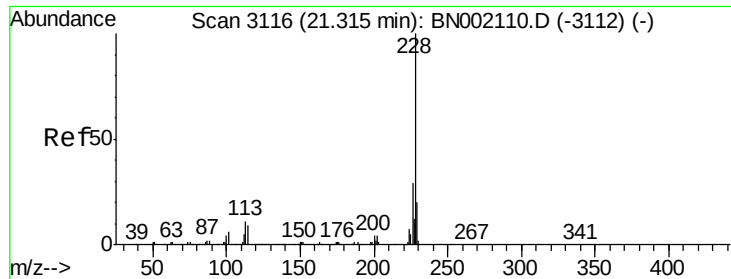
Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 228   | Resp  | 261535 |
| Ion | Ratio | Lower | Upper |        |
| 228 | 100   |       |       |        |
| 229 | 21.6  | 15.7  | 23.5  |        |
| 226 | 27.7  | 21.8  | 32.6  |        |

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





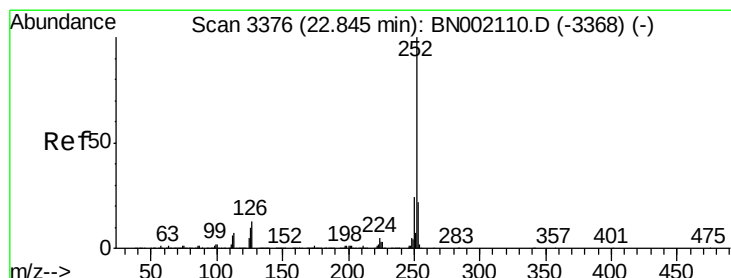
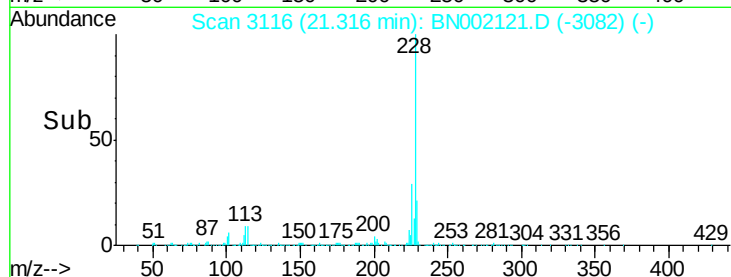
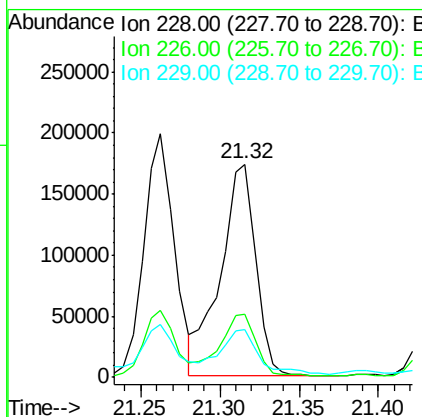
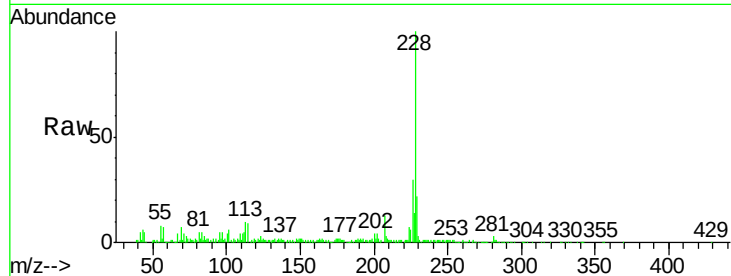
#84  
Chrysene  
Concen: 2.914 ng/ul  
RT: 21.32 min Scan# 3116  
Delta R.T. 0.00 min  
Lab File: BN002121.D  
Acq: 24 Jul 2018 00:13

Instrument :  
BNA\_N  
ClientSampleId :  
DB1M0

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 268992 |       |       |
| 226     | 29.5  |        | 24.0  | 36.0  |
| 229     | 22.3  |        | 15.6  | 23.4  |

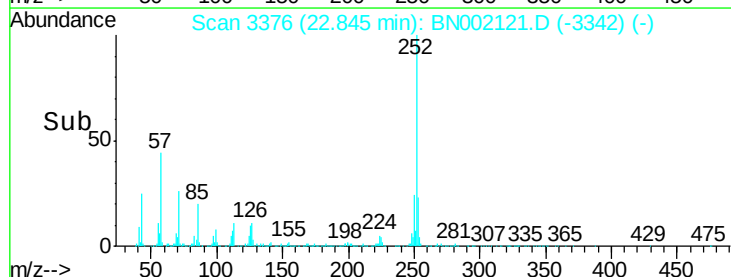
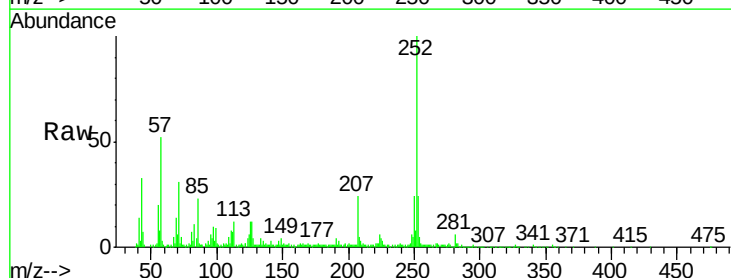
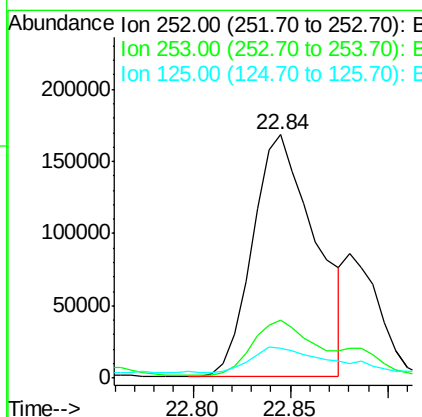
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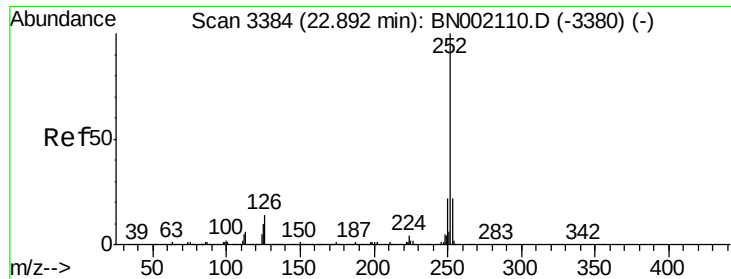
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#87  
Benzo(b)fluoranthene  
Concen: 4.526 ng/ul  
RT: 22.84 min Scan# 3376  
Delta R.T. 0.00 min  
Lab File: BN002121.D  
Acq: 24 Jul 2018 00:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 374747 |       |       |
| 253     | 23.6  |        | 17.5  | 26.3  |
| 125     | 12.0  |        | 8.5   | 12.7  |





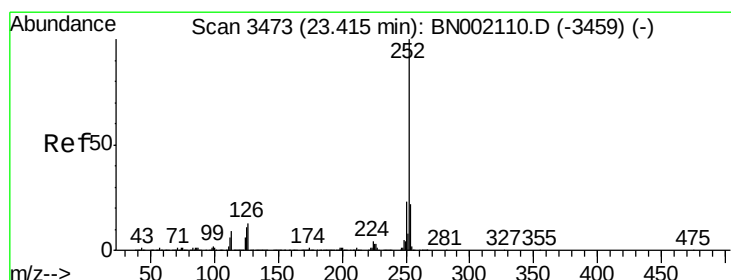
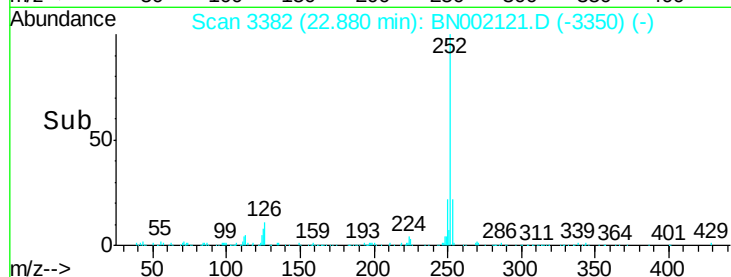
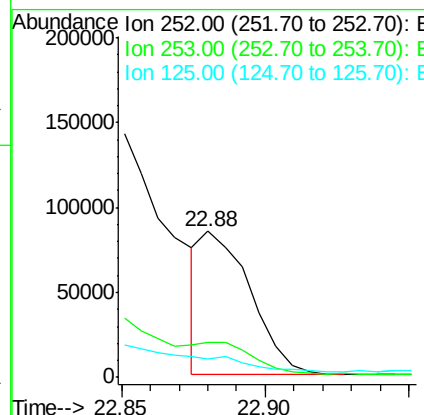
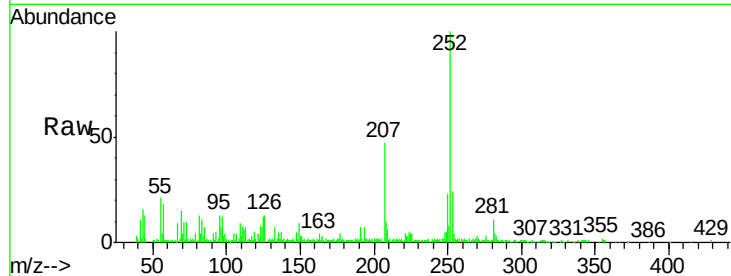
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Benzo(k)fluoranthene  
Concen: 1.269 ng/ul m  
RT: 22.88 min Scan# 3382  
Delta R.T. -0.01 min  
Lab File: BN002121.D  
Acq: 24 Jul 2018 00:13

Instrument :  
BNA\_N  
ClientSampled :  
DB1M0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 17.3  | 25.9  |
| 125     | 12.1  | 8.2   | 12.2  |

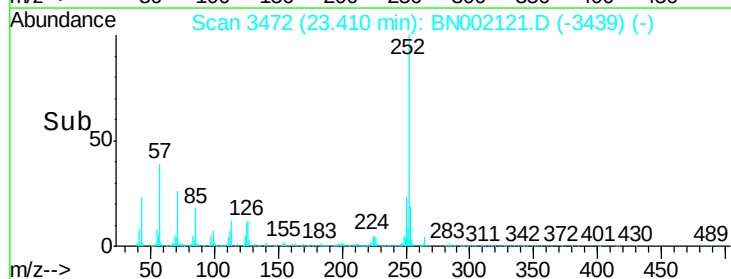
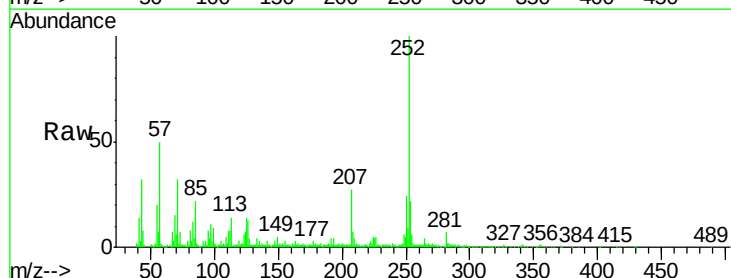
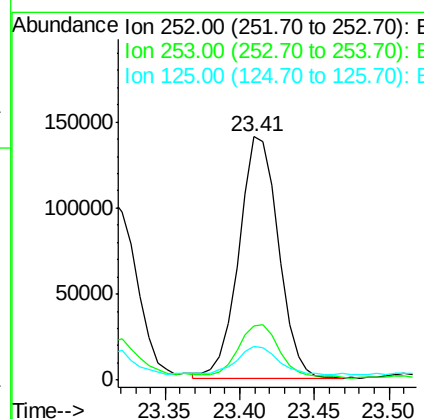
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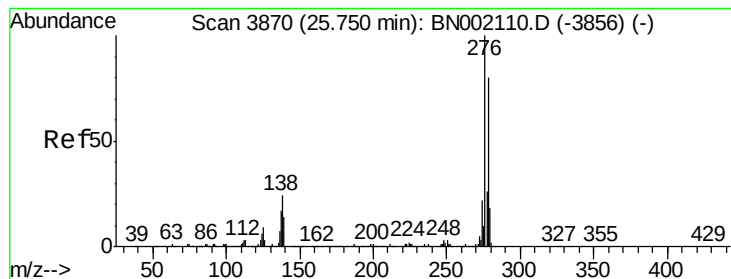
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7/24/2018 2:14:54 PM



#90  
Benzo(a)pyrene  
Concen: 3.294 ng/ul  
RT: 23.41 min Scan# 3472  
Delta R.T. -0.01 min  
Lab File: BN002121.D  
Acq: 24 Jul 2018 00:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.2  | 25.8  |
| 125     | 13.8  | 9.0   | 13.6# |





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.864 ng/ul

RT: 25.74 min Scan# 3868

Delta R.T. -0.01 min

Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

Instrument :

BNA\_N

ClientSampleId :

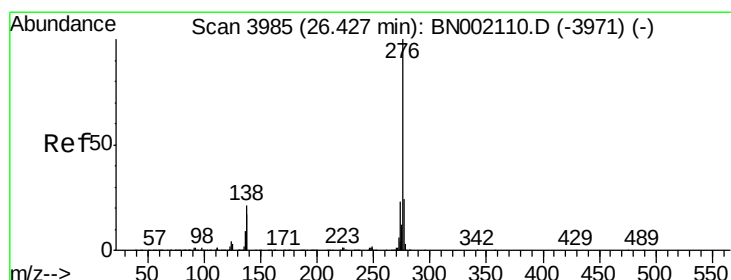
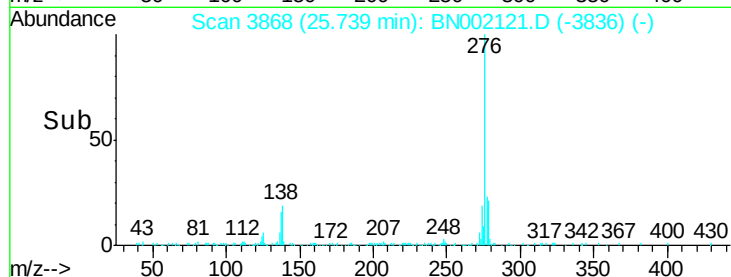
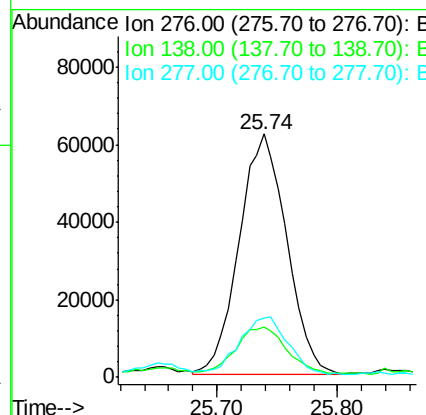
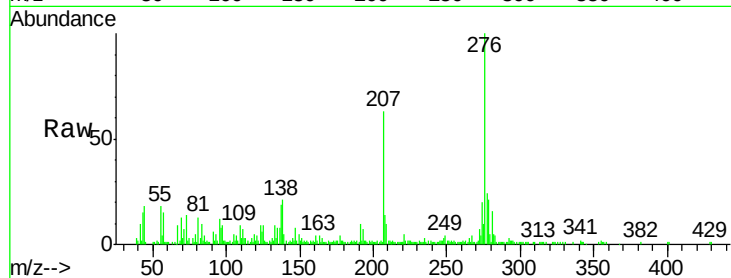
DB1M0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 169534 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 20.8  | 22.3  | 33.5#  |
| 277       | 24.5  | 20.2  | 30.2   |

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#93

Benzo(g,h,i)perylene

Concen: 1.502 ng/ul

RT: 26.42 min Scan# 3984

Delta R.T. -0.01 min

Lab File: BN002121.D

Acq: 24 Jul 2018 00:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 114771 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 25.4  | 18.9  | 28.3   |
| 277       | 25.0  | 19.2  | 28.8   |

