

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100618\  
 Data File : BN002966.D  
 Acq On : 05 Oct 2018 14:52  
 Operator : MJ/SJ  
 Sample : J5183-01DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 JLC16DL

Manual Integrations  
 APPROVED

Sohil  
 10/8/2018 5:53:29 PM

Quant Time: Oct 06 02:29:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 06 01:07:30 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 154759   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 680778   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.27 | 164  | 391918   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 791310   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.23 | 240  | 544232   | 20.00 | ng/ul | 0.01     |
| 85) Perylene-d12          | 23.44 | 264  | 573663   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

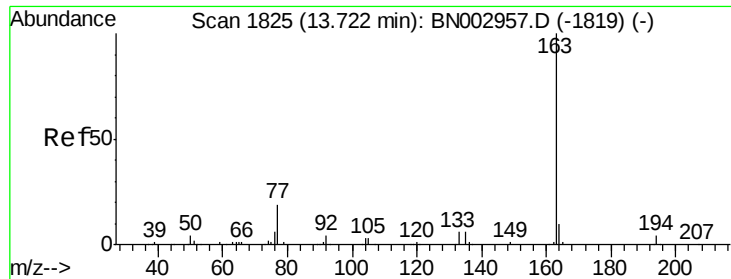
|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 1860   | 0.55 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 42233  | 3.21 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 29296  | 3.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.17  | 132 | 38493  | 3.56 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 32723  | 3.21 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 18160  | 3.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 20133  | 3.37 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 37261  | 3.46 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 26156  | 2.10 | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 124023 | 4.04 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 162956 | 4.07 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 8399   | 1.66 | ng/ul | 0.06 |
| 57) Fluorene-d10               | 15.27 | 176 | 119507 | 4.45 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 1296   | 0.26 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.12 | 188 | 164463 | 4.35 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.43 | 212 | 145414 | 5.06 | ng/ul | 0.01 |
| 89) Benzo(a)pyrene-d12         | 23.30 | 264 | 132739 | 4.40 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 44) Dimethylphthalate          | 13.73 | 163 | 130956  | 4.374  | ng/ul  | 100    |
| 69) Phenanthrene               | 17.06 | 178 | 90375   | 2.073  | ng/ul  | 97     |
| 76) Fluoranthene               | 19.09 | 202 | 301901  | 6.491  | ng/ul  | 98     |
| 79) Pyrene                     | 19.46 | 202 | 294316  | 8.179  | ng/ul  | 99     |
| 80) Butylbenzylphthalate       | 20.36 | 149 | 78923   | 5.271  | ng/ul  | 97     |
| 82) Benzo(a)anthracene         | 21.22 | 228 | 211377  | 6.243  | ng/ul  | 97     |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 326691  | 15.029 | ng/ul  | 98     |
| 84) Chrysene                   | 21.27 | 228 | 1193884 | 37.622 | ng/ul  | 99     |
| 86) Di-n-octyl phthalate       | 22.02 | 149 | 161815  | 4.267  | ng/ul# | 68     |
| 87) Benzo(b)fluoranthene       | 22.79 | 252 | 760695  | 21.713 | ng/ul# | 96     |
| 88) Benzo(k)fluoranthene       | 22.82 | 252 | 163402m | 4.999  | ng/ul  |        |
| 90) Benzo(a)pyrene             | 23.35 | 252 | 114164  | 3.447  | ng/ul# | 87     |
| 91) Indeno(1,2,3-cd)pyrene     | 25.66 | 276 | 202739  | 5.170  | ng/ul  | 99     |
| 92) Dibenzo(a,h)anthracene     | 25.65 | 278 | 64549   | 1.954  | ng/ul# | 82     |
| 93) Benzo(g,h,i)perylene       | 26.33 | 276 | 236323  | 7.210  | ng/ul  | 96     |

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





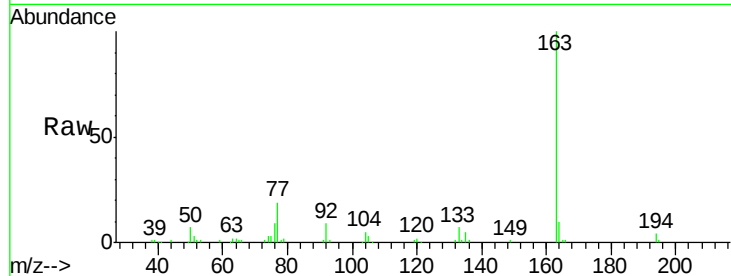
#44  
Dimethylphthalate  
Concen: 4.374 ng/ul  
RT: 13.73 min Scan# 1826  
Delta R.T. 0.01 min  
Lab File: BN002966.D  
Acq: 05 Oct 2018 14:52

Instrument :  
BNA\_N  
ClientSampleId :  
JLC16DL

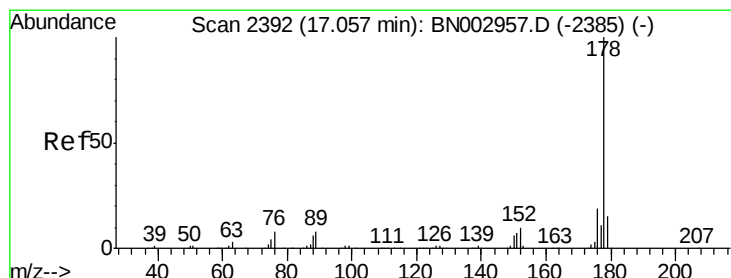
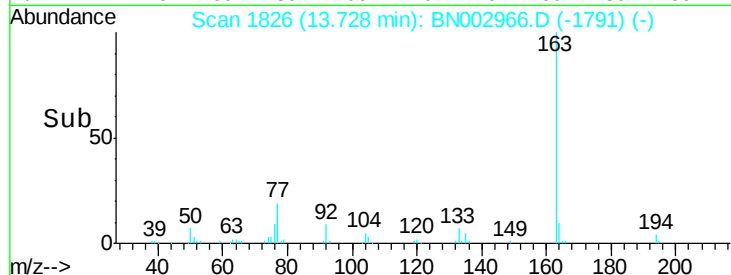
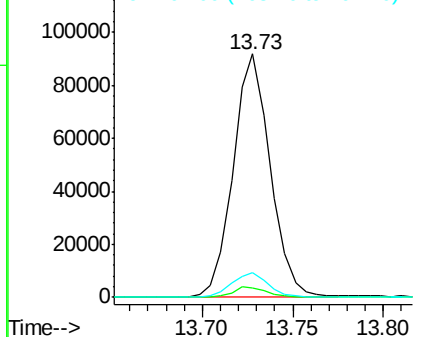
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 4.0   | 3.5        | 5.3        |
| 164     | 10.2  | 8.1        | 12.1       |

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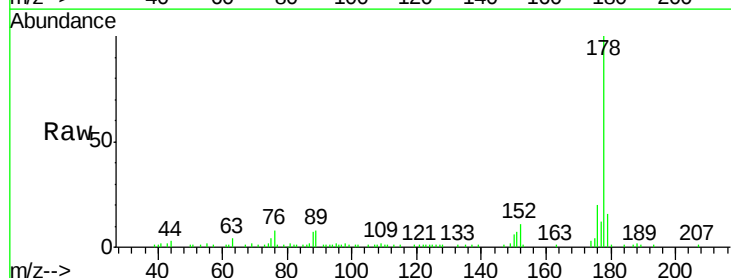


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

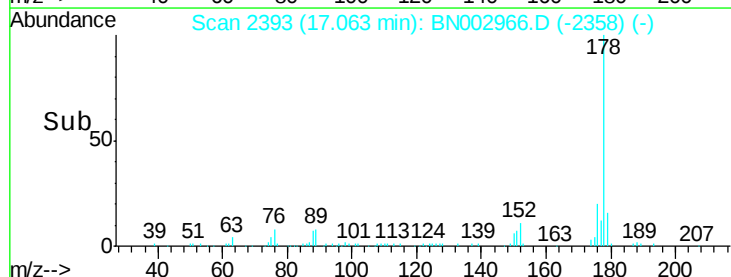
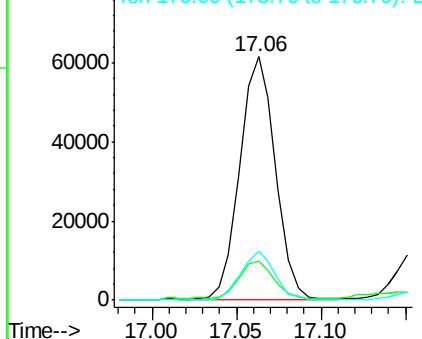


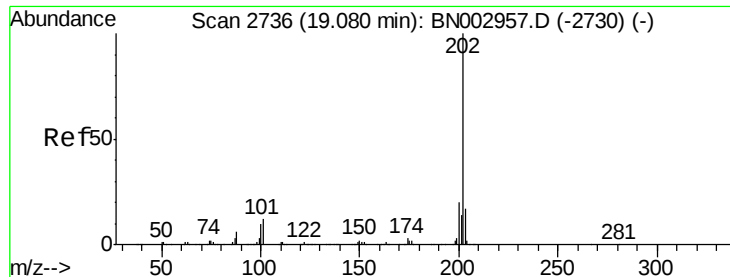
#69  
Phenanthrene  
Concen: 2.073 ng/ul  
RT: 17.06 min Scan# 2393  
Delta R.T. 0.01 min  
Lab File: BN002966.D  
Acq: 05 Oct 2018 14:52

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 179     | 15.9  | 12.2       | 18.4       |
| 176     | 20.3  | 15.0       | 22.6       |



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





#76

Fluoranthene

Concen: 6.491 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BN002966.D

Acq: 05 Oct 2018 14:52

Instrument :

BNA\_N

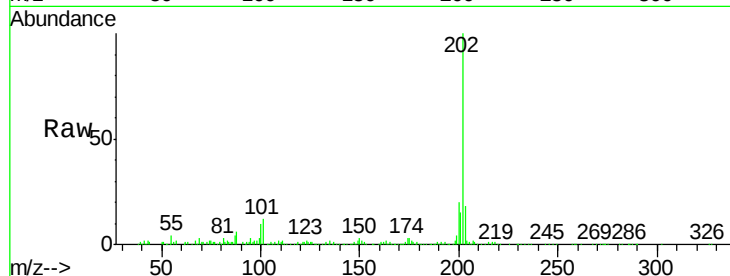
ClientSampled :

JLC16DL

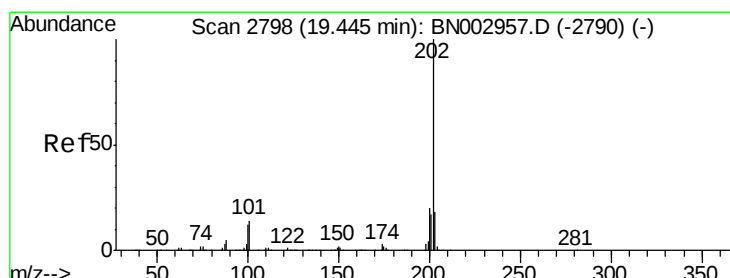
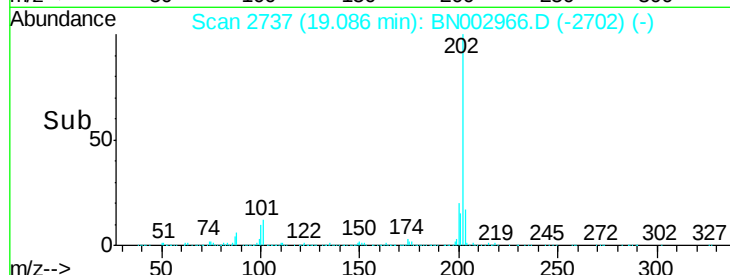
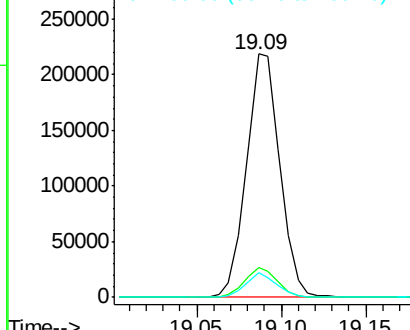
| Tgt | Ion  | Ratio | Resp | Lower | Upper |
|-----|------|-------|------|-------|-------|
| 202 | 100  |       |      |       |       |
| 101 | 12.2 | 9.4   | 14.2 |       |       |
| 100 | 10.0 | 7.0   | 10.6 |       |       |

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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



#79

Pyrene

Concen: 8.179 ng/ul

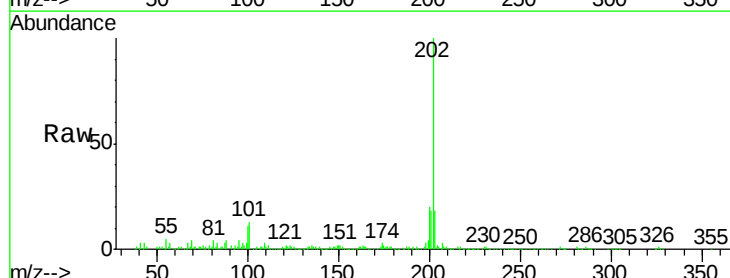
RT: 19.46 min Scan# 2800

Delta R.T. 0.01 min

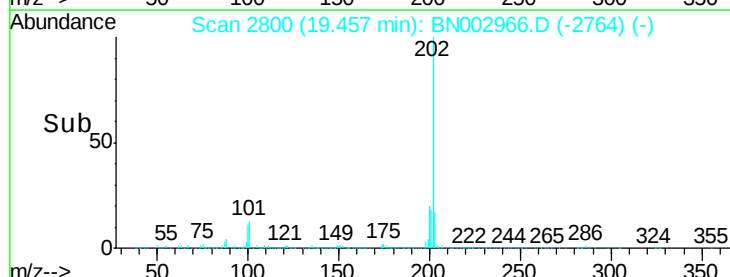
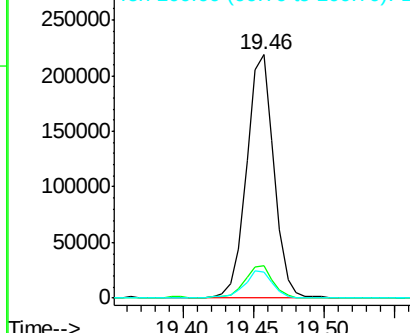
Lab File: BN002966.D

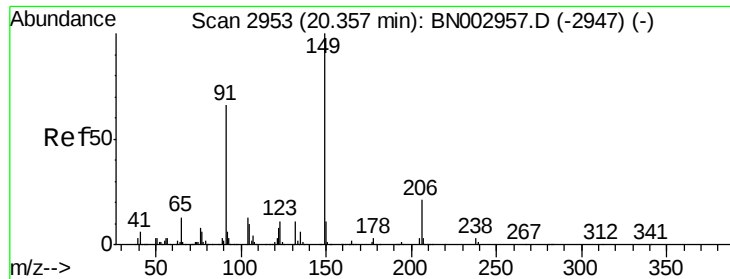
Acq: 05 Oct 2018 14:52

| Tgt | Ion  | Ratio | Resp | Lower | Upper |
|-----|------|-------|------|-------|-------|
| 202 | 100  |       |      |       |       |
| 101 | 13.1 | 10.8  | 16.2 |       |       |
| 100 | 10.7 | 8.2   | 12.2 |       |       |



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





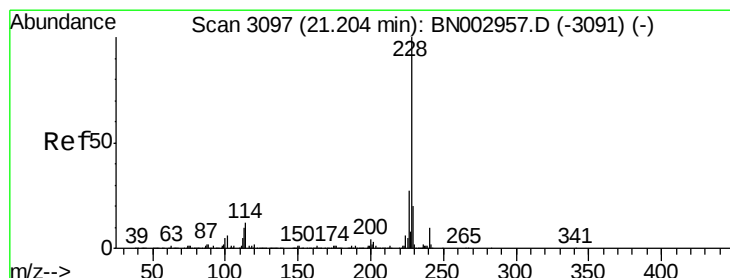
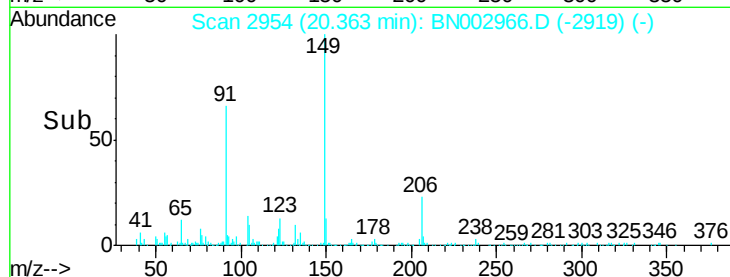
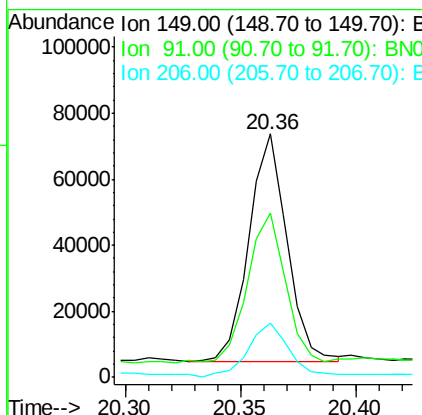
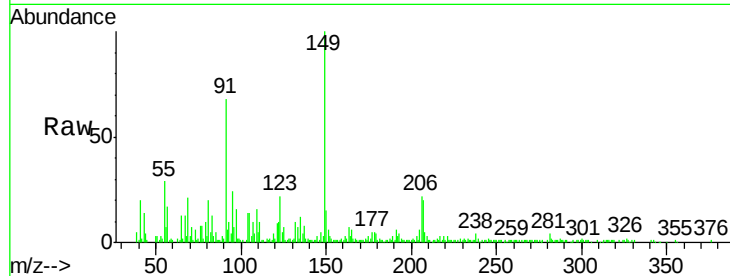
#80  
Butylbenzylphthalate  
Concen: 5.271 ng/ul  
RT: 20.36 min Scan# 2954  
Delta R.T. 0.01 min  
Lab File: BN002966.D  
Acq: 05 Oct 2018 14:52

Instrument :  
BNA\_N  
ClientSampled :  
JLC16DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 91      | 67.7  | 56.3       | 84.5       |
| 206     | 22.1  | 16.8       | 25.2       |

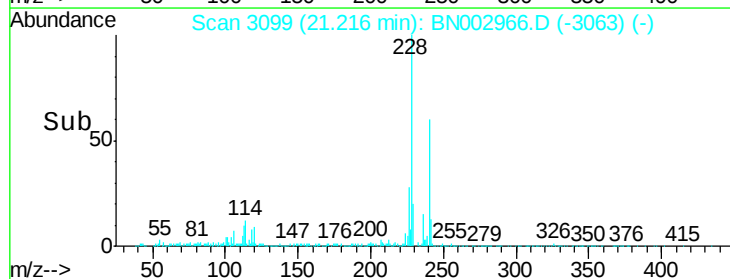
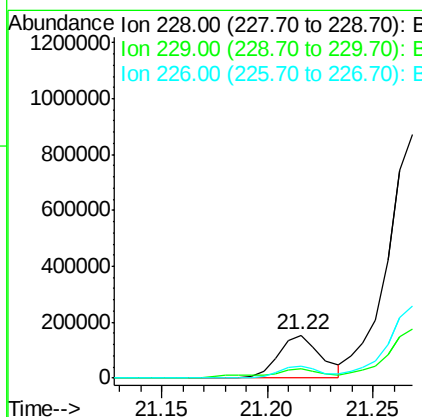
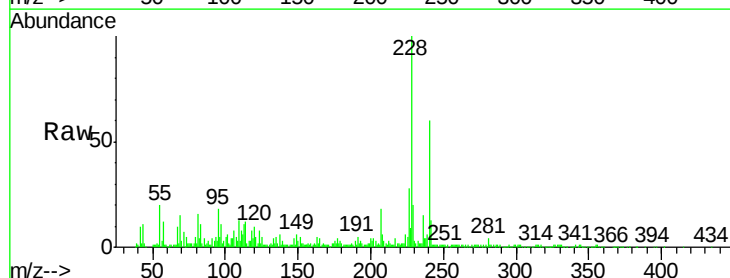
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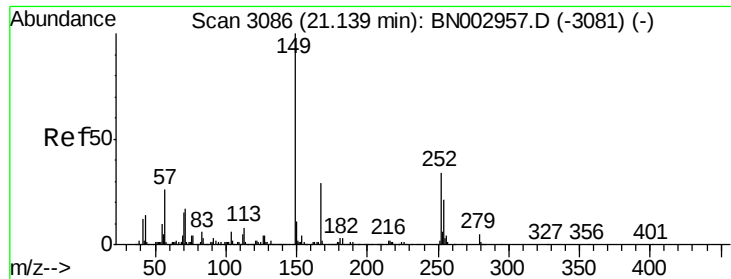
Sohil  
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#82  
Benzo(a)anthracene  
Concen: 6.243 ng/ul  
RT: 21.22 min Scan# 3099  
Delta R.T. 0.01 min  
Lab File: BN002966.D  
Acq: 05 Oct 2018 14:52

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 20.5  | 15.8       | 23.6       |
| 226     | 28.0  | 20.9       | 31.3       |





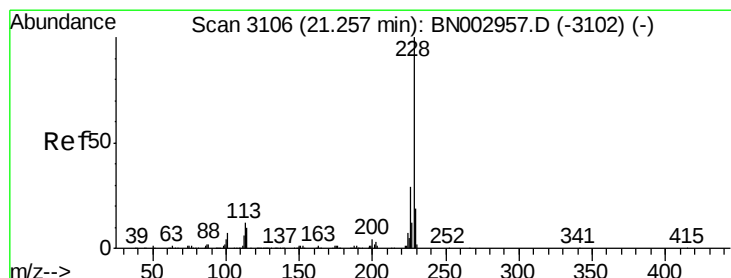
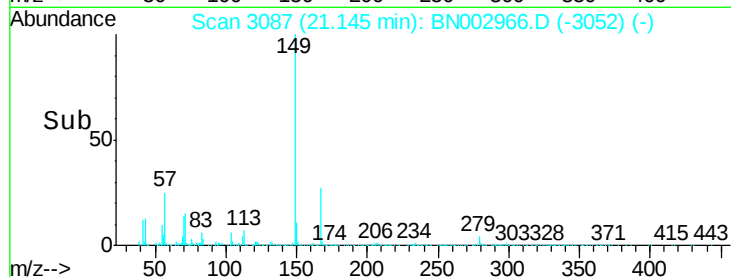
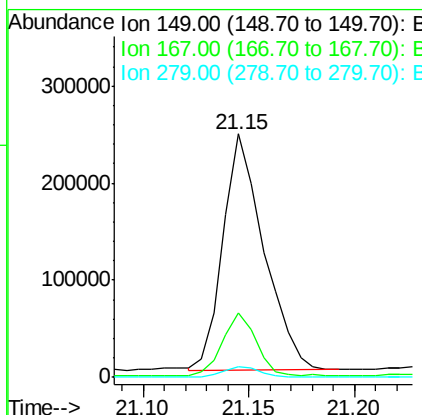
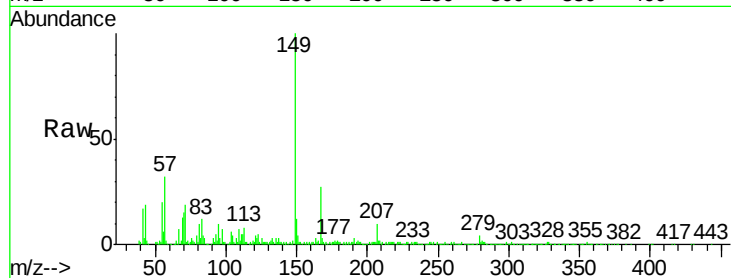
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 15.029 ng/ul  
 RT: 21.15 min Scan# 3087  
 Delta R.T. 0.01 min  
 Lab File: BN002966.D  
 Acq: 05 Oct 2018 14:52

Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC16DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.6  | 22.0  | 33.0  |
| 279     | 4.4   | 3.3   | 4.9   |

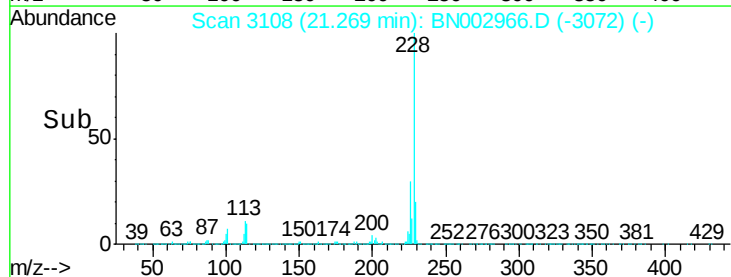
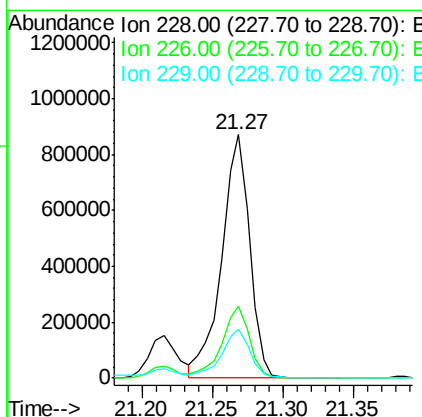
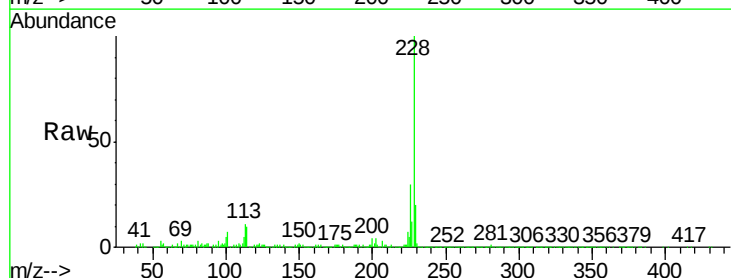
Manual Integrations  
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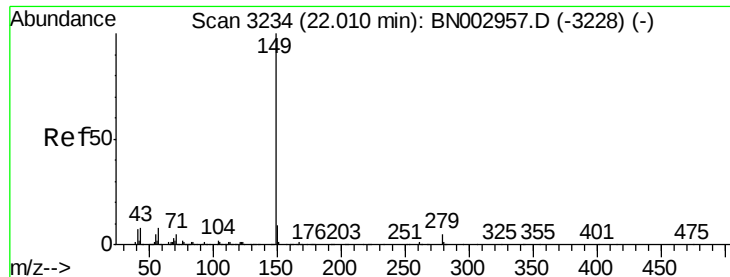
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#84  
 Chrysene  
 Concen: 37.622 ng/ul  
 RT: 21.27 min Scan# 3108  
 Delta R.T. 0.01 min  
 Lab File: BN002966.D  
 Acq: 05 Oct 2018 14:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 23.4  | 35.0  |
| 229     | 20.1  | 15.7  | 23.5  |





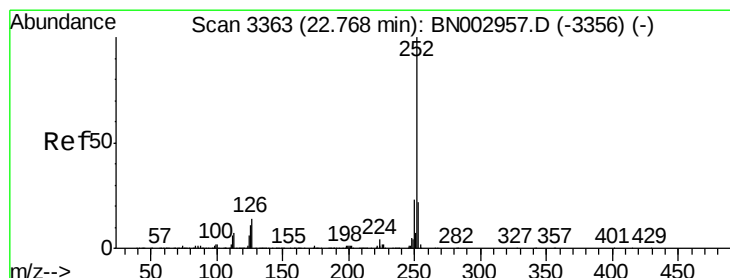
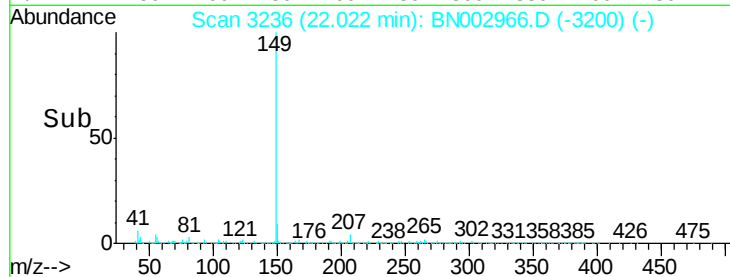
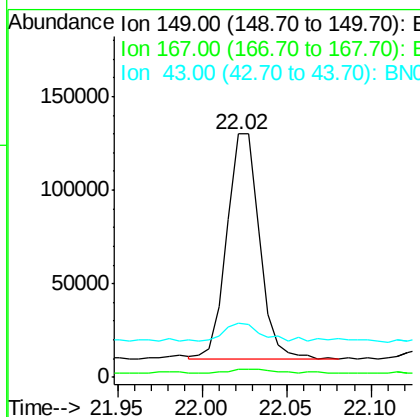
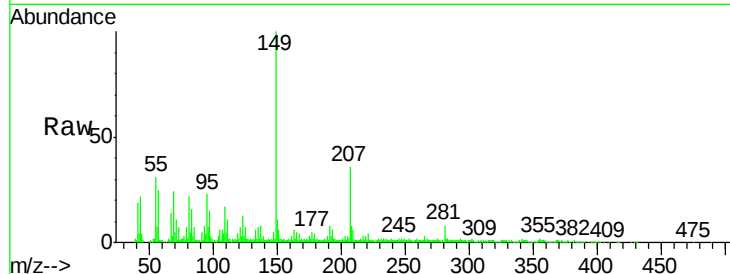
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Di-n-octyl phthalate  
Concen: 4.267 ng/ul  
RT: 22.02 min Scan# 3236  
Delta R.T. 0.01 min  
Lab File: BN002966.D  
Acq: 05 Oct 2018 14:52

Instrument :  
BNA\_N  
ClientSampleId :  
JLC16DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 3.5   | 1.4        | 2.0#       |
| 43      | 22.5  | 7.4        | 11.0#      |

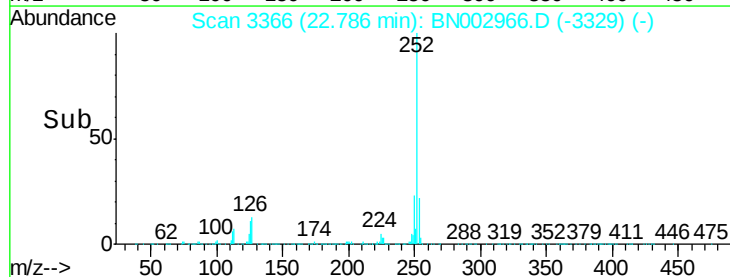
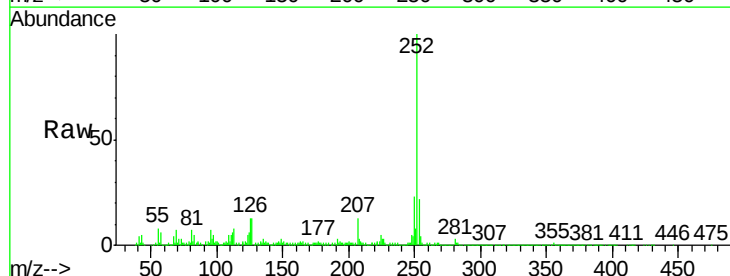
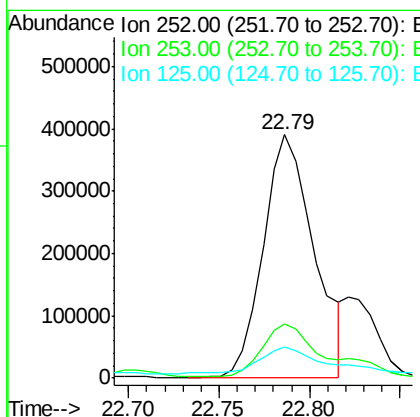
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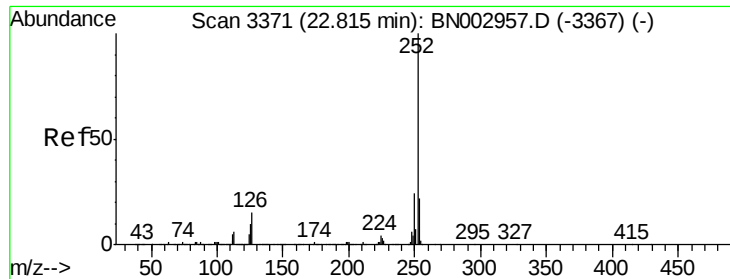
Sohil  
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#87  
Benzo(b)fluoranthene  
Concen: 21.713 ng/ul  
RT: 22.79 min Scan# 3366  
Delta R.T. 0.02 min  
Lab File: BN002966.D  
Acq: 05 Oct 2018 14:52

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 22.5  | 17.0       | 25.4       |
| 125     | 12.9  | 8.0        | 12.0#      |





#88

Benzo(k)fluoranthene

Concen: 4.999 ng/ul m

RT: 22.82 min Scan# 3372

Delta R.T. 0.01 min

Lab File: BN002966.D

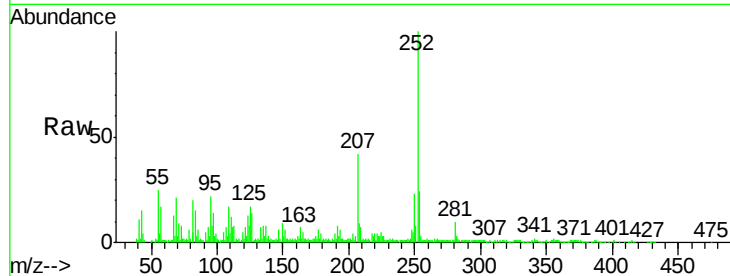
Acq: 05 Oct 2018 14:52

Instrument :

BNA\_N

ClientSampleId :

JLC16DL



Tgt Ion: 252 Resp: 163402

Ion Ratio Lower Upper

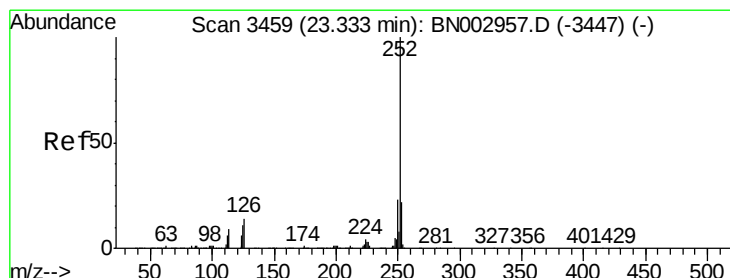
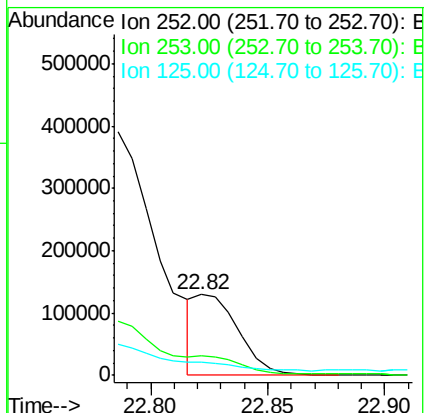
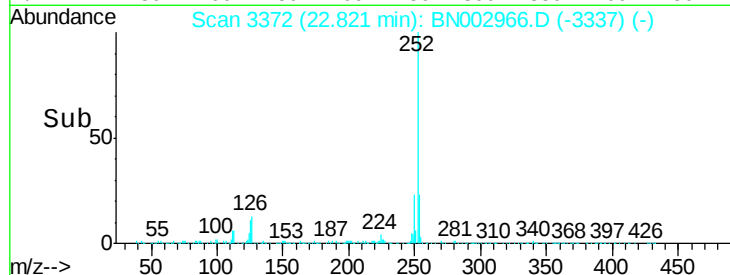
252 100

253 24.4 17.8 26.8

125 16.9 8.3 12.5#

Manual Integrations  
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#90

Benzo(a)pyrene

Concen: 3.447 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BN002966.D

Acq: 05 Oct 2018 14:52

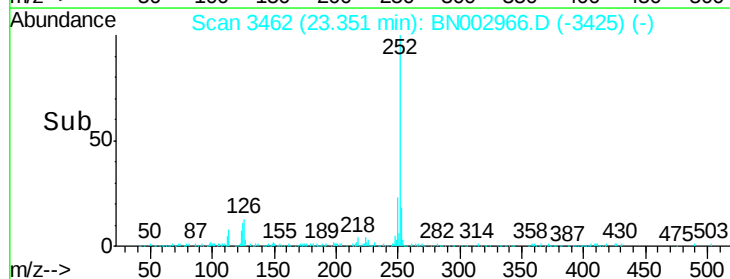
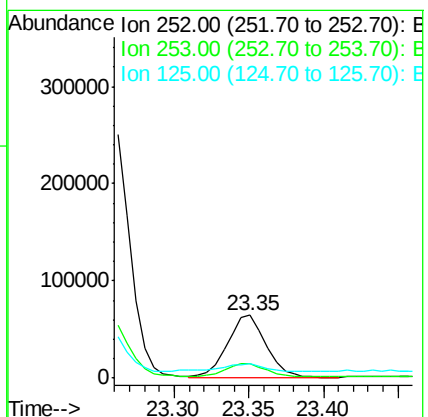
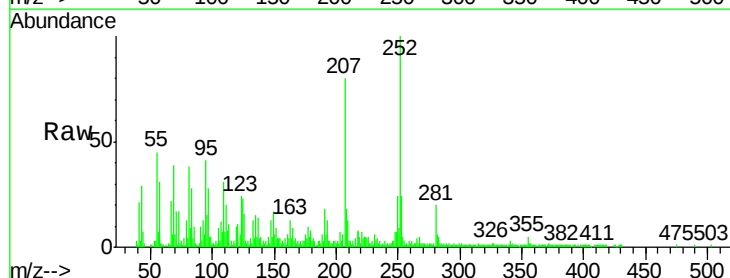
Tgt Ion: 252 Resp: 114164

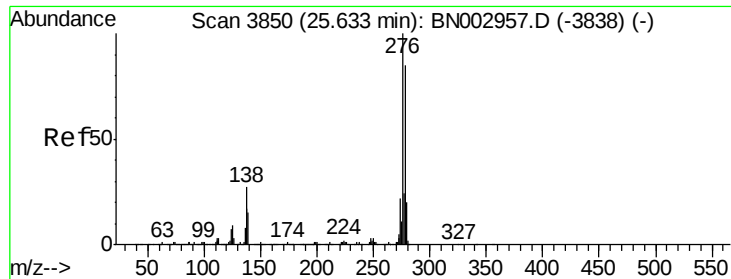
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 22.8 8.8 13.2#





#91

Indeno(1,2,3-cd)pyrene

Concen: 5.170 ng/ul

RT: 25.66 min Scan# 3854

Delta R.T. 0.02 min

Lab File: BN002966.D

Acq: 05 Oct 2018 14:52

Instrument :

BNA\_N

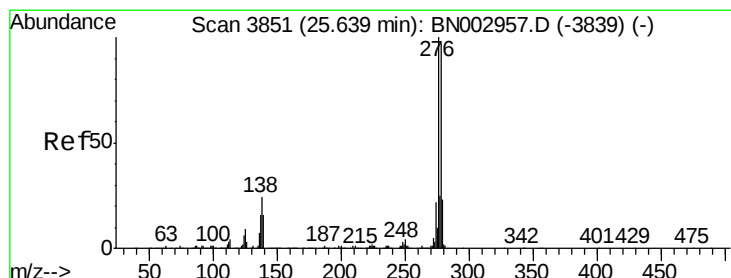
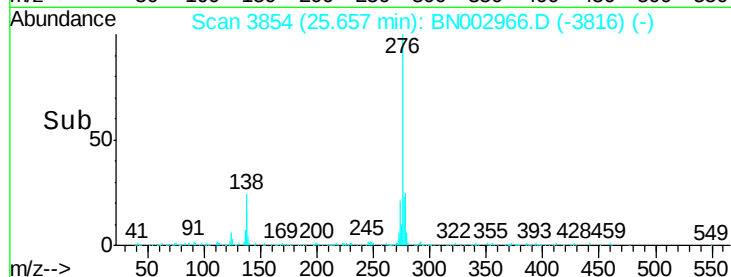
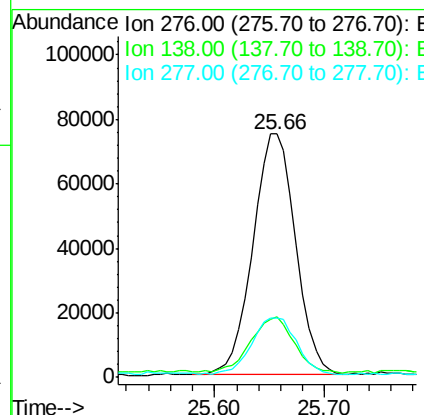
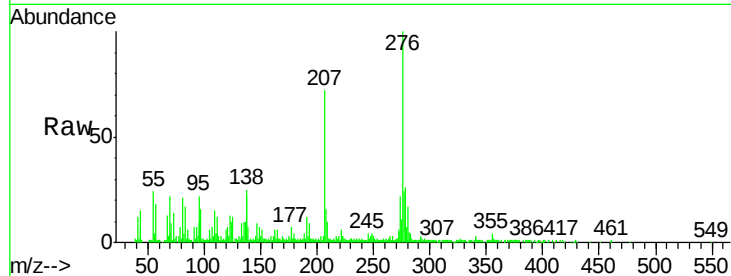
ClientSampled :

JLC16DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 202739 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.9  | 20.2  | 30.4   |
| 277       | 24.4  | 20.0  | 30.0   |

Manual Integrations  
APPROVED

Sohil  
10/8/2018 5:53:29 PM



#92

Dibenzo(a,h)anthracene

Concen: 1.954 ng/ul

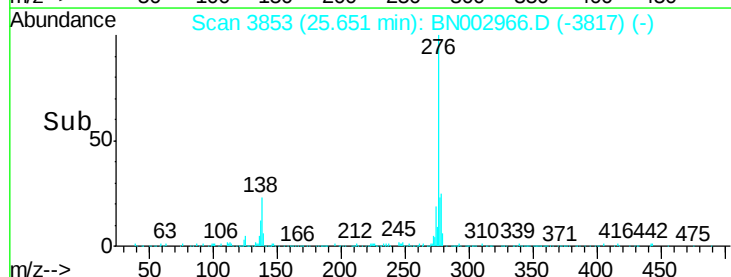
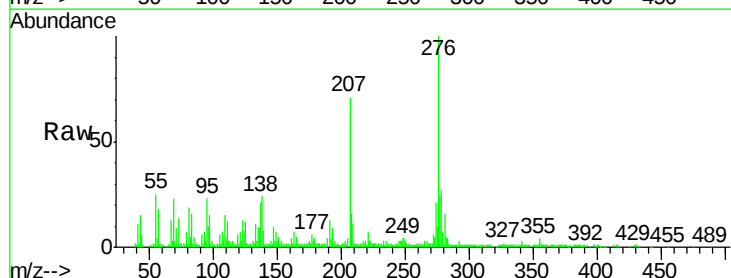
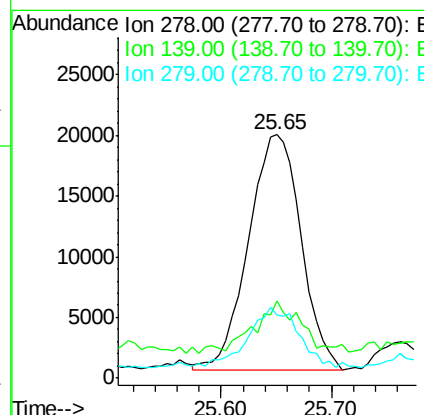
RT: 25.65 min Scan# 3853

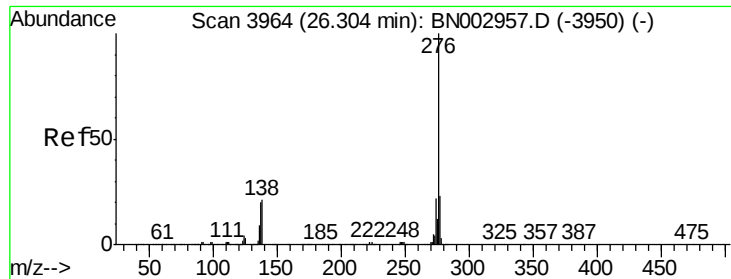
Delta R.T. 0.01 min

Lab File: BN002966.D

Acq: 05 Oct 2018 14:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 64549 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 31.9  | 12.7  | 19.1# |
| 279       | 25.9  | 18.7  | 28.1  |





#93

Benzo(g,h,i)perylene

Concen: 7.210 ng/u1

RT: 26.33 min Scan# 3969

Delta R.T. 0.03 min

Lab File: BN002966.D

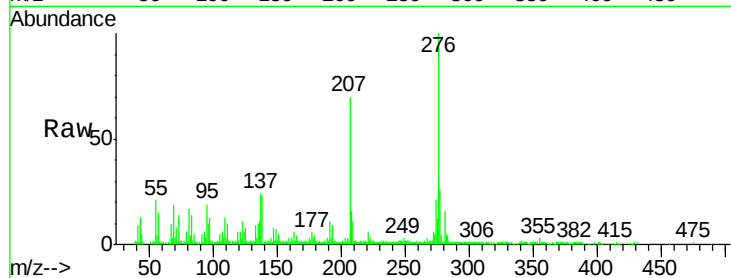
Acq: 05 Oct 2018 14:52

Instrument :

BNA\_N

ClientSampleId :

JLC16DL



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 236323 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 23.4  | 18.2  | 27.2   |
| 277       | 26.2  | 18.6  | 28.0   |

Manual Integrations  
APPROVED

Sohil  
10/8/2018 5:53:29 PM

