

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\  
 Data File : BN006461.D  
 Acq On : 21 Jun 2019 10:57  
 Operator : JU/SJ  
 Sample : K3360-20  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4202

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 10:00:33 PM

Quant Time: Jun 21 12:21:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 21 06:31:50 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 205967   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 963427   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.28 | 164  | 593615   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.03 | 188  | 1335051  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 1235949  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.48 | 264  | 1163149  | 20.00 | ng/ul | 0.00     |

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| System Monitoring Compounds    |       |     |         |       |       |      |
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 39570   | 7.50  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 707717  | 32.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 516939  | 38.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 580309  | 35.89 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 439421  | 25.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 300903  | 39.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 333878  | 39.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 559066  | 34.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 732538  | 39.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.69 | 166 | 1930091 | 37.10 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 2375621 | 37.25 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.50 | 143 | 229189  | 25.78 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 1670000 | 37.74 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 217275  | 25.72 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.13 | 188 | 2551926 | 37.97 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.45 | 212 | 2913804 | 40.36 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264 | 2546822 | 38.77 | ng/ul | 0.00 |

|                                |       |     |        |        |       |     |
|--------------------------------|-------|-----|--------|--------|-------|-----|
| Target Compounds               |       |     |        | Ovalue |       |     |
| 6) Phenol                      | 6.83  | 94  | 53943  | 2.551  | ng/ul | 91  |
| 44) Dimethylphthalate          | 13.74 | 163 | 337073 | 7.028  | ng/ul | 99  |
| 76) Fluoranthene               | 19.10 | 202 | 303563 | 3.825  | ng/ul | 100 |
| 79) Pyrene                     | 19.47 | 202 | 270072 | 3.209  | ng/ul | 99  |
| 82) Benzo(a)anthracene         | 21.24 | 228 | 141764 | 1.678  | ng/ul | 99  |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 122440 | 2.263  | ng/ul | 97  |
| 84) Chrysene                   | 21.29 | 228 | 187334 | 2.330  | ng/ul | 97  |
| 87) Benzo(b)fluoranthene       | 22.82 | 252 | 233759 | 3.349  | ng/ul | 99  |
| 88) Benzo(k)fluoranthene       | 22.86 | 252 | 90283m | 1.353  | ng/ul |     |
| 90) Benzo(a)pyrene             | 23.39 | 252 | 140294 | 2.096  | ng/ul | 99  |
| 91) Indeno(1,2,3-cd)pyrene     | 25.71 | 276 | 86466  | 1.092  | ng/ul | 93  |
| 93) Benzo(g,h,i)perylene       | 26.40 | 276 | 77422  | 1.160  | ng/ul | 98  |

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

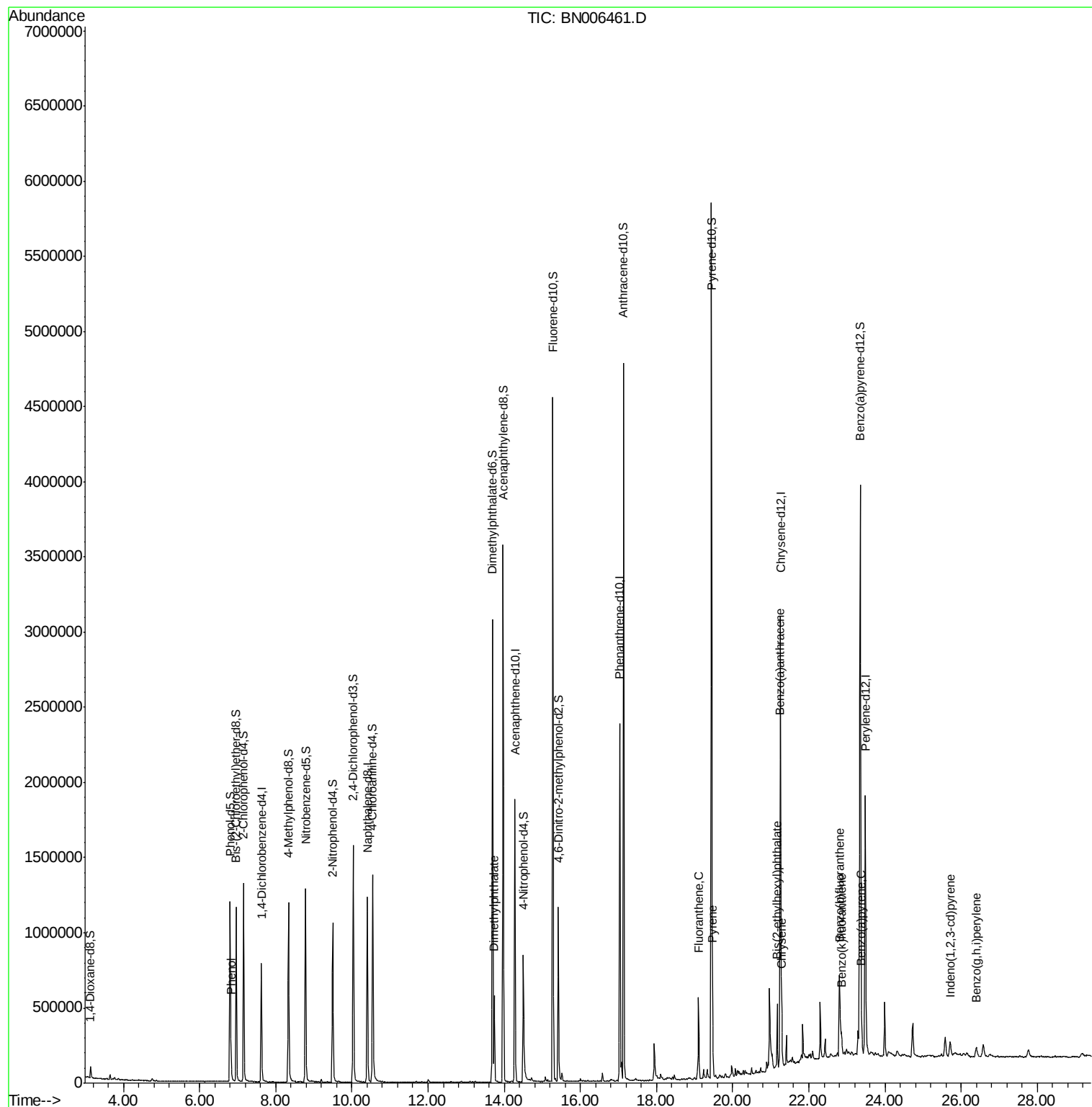
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061919\  
Data File : BN006461.D  
Acq On : 21 Jun 2019 10:57  
Operator : JU/SJ  
Sample : K3360-20  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

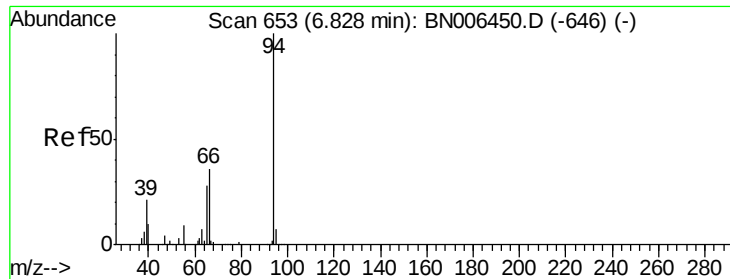
Instrument :  
BNA\_N  
ClientSampleId :  
A4202

Quant Time: Jun 21 12:21:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 21 06:31:50 2019  
Response via : Initial Calibration

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#6

Phenol

Concen: 2.551 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. 0.00 min

Lab File: BN006461.D

Acq: 21 Jun 2019 10:57

Instrument :

BNA\_N

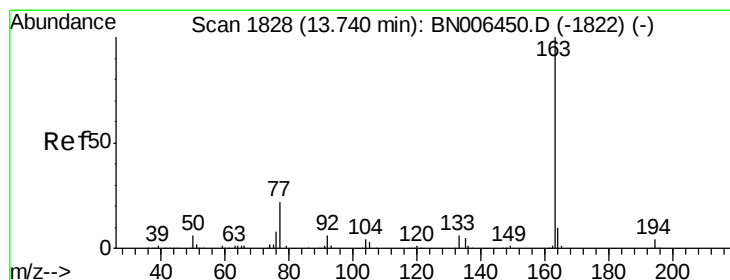
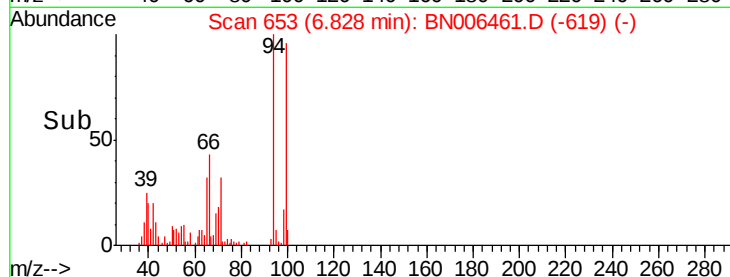
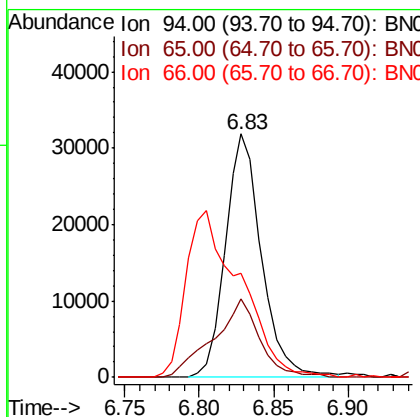
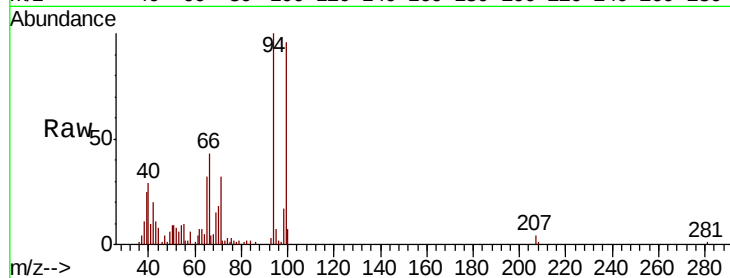
ClientSampleId :

A4202

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 53943 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 32.4  | 22.5  | 33.7  |
| 66       | 42.7  | 29.5  | 44.3  |

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#44

Dimethylphthalate

Concen: 7.028 ng/ul

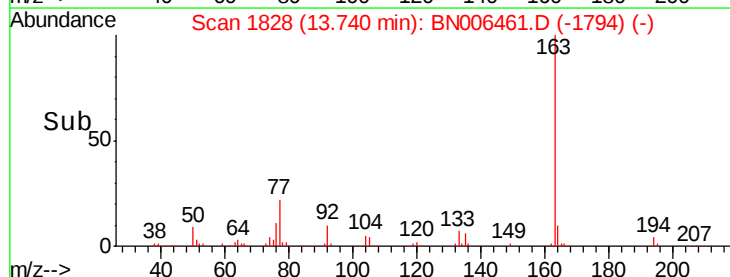
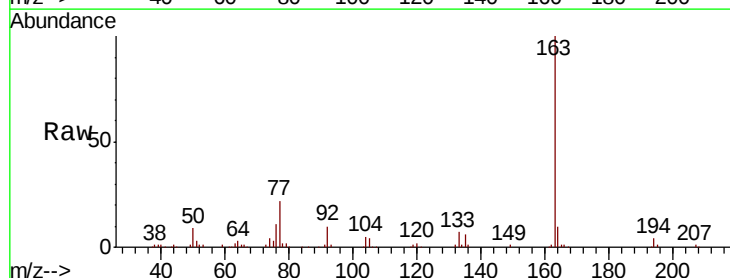
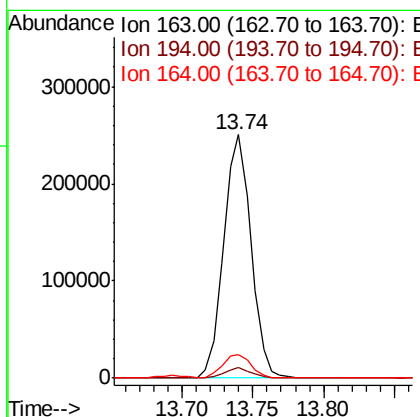
RT: 13.74 min Scan# 1828

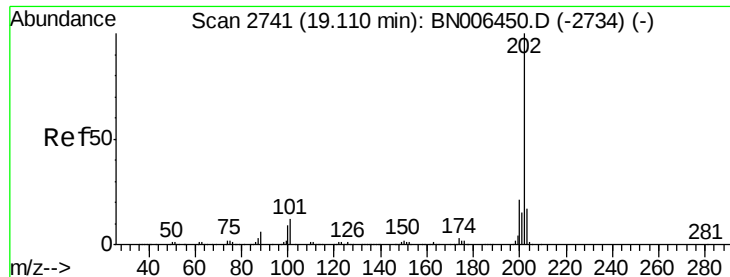
Delta R.T. 0.00 min

Lab File: BN006461.D

Acq: 21 Jun 2019 10:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 337073 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.3   | 3.4   | 5.0    |
| 164      | 9.5   | 8.0   | 12.0   |





#76

Fluoranthene

Concen: 3.825 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BN006461.D

Acq: 21 Jun 2019 10:57

Instrument :

BNA\_N

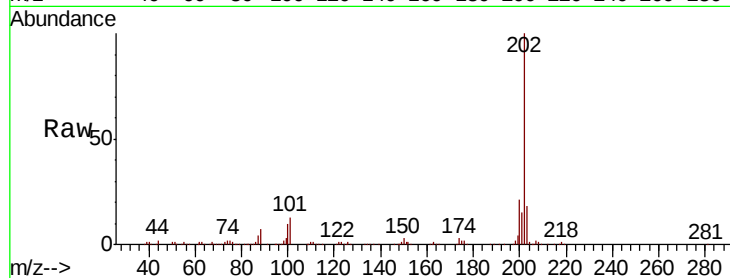
ClientSampleId :

A4202

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 303563 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.1  | 10.5  | 15.7   |
| 100       | 9.8   | 7.6   | 11.4   |

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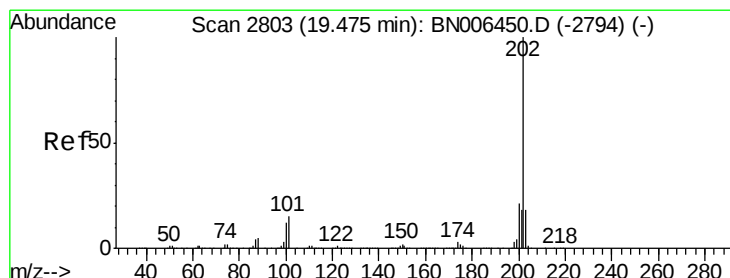
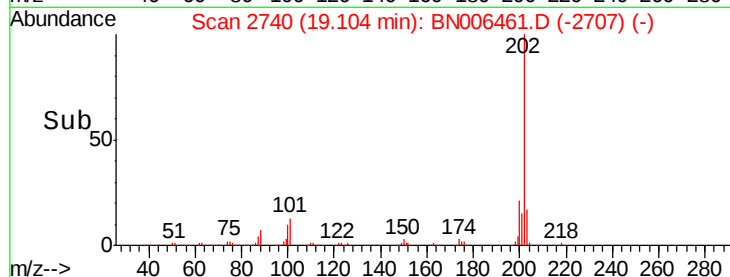
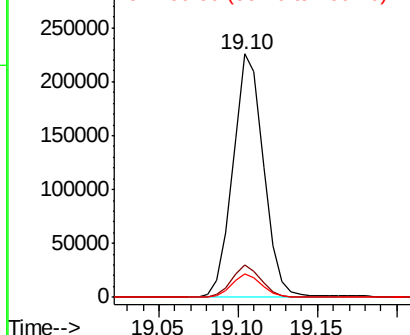


Abundance

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: 3.209 ng/ul

RT: 19.47 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BN006461.D

Acq: 21 Jun 2019 10:57

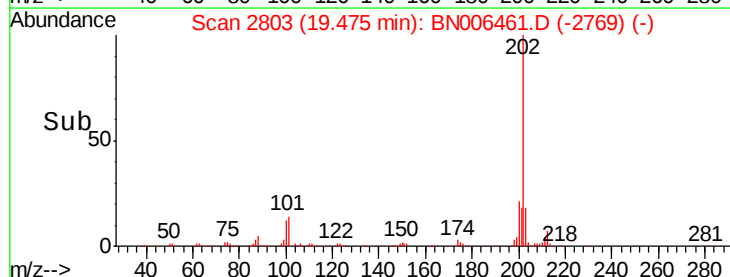
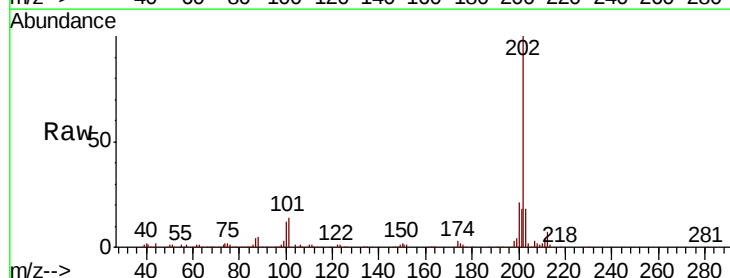
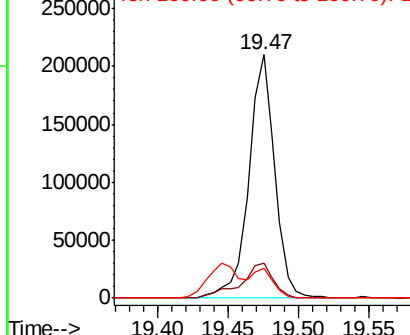
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 270072 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.4  | 12.2  | 18.4   |
| 100       | 12.2  | 9.8   | 14.6   |

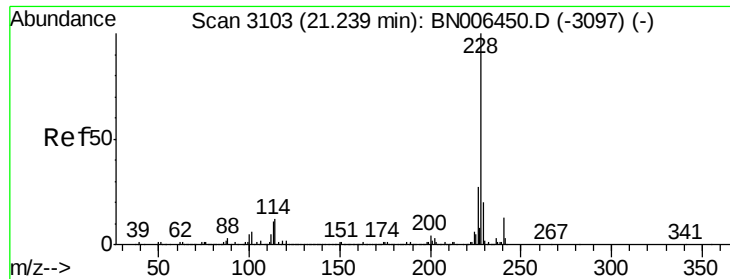
Abundance

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





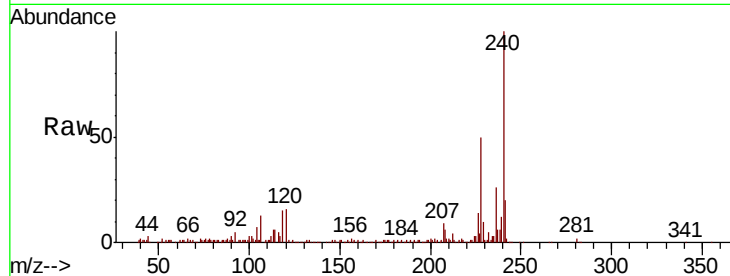
#82  
Benzo(a)anthracene  
Concen: 1.678 ng/ul  
RT: 21.24 min Scan# 3103  
Delta R.T. 0.00 min  
Lab File: BN006461.D  
Acq: 21 Jun 2019 10:57

Instrument :  
BNA\_N  
ClientSampleId :  
A4202

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.1  | 15.6  | 23.4  |
| 226     | 27.0  | 21.5  | 32.3  |

Manual Integrations  
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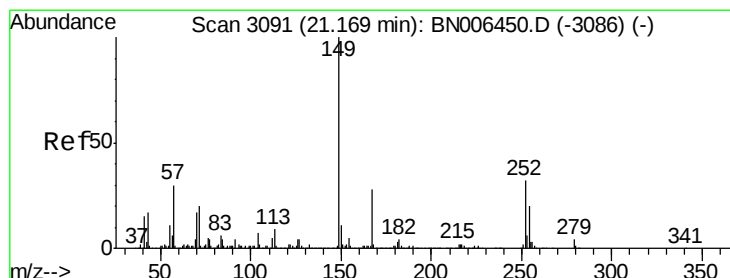
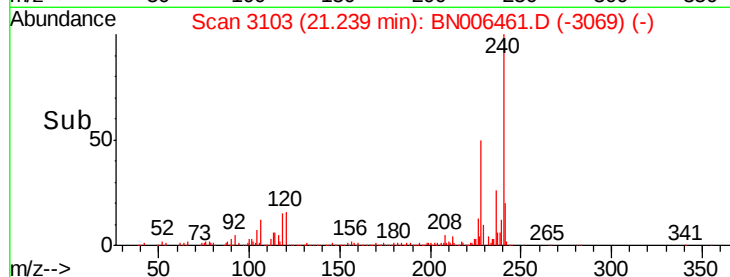
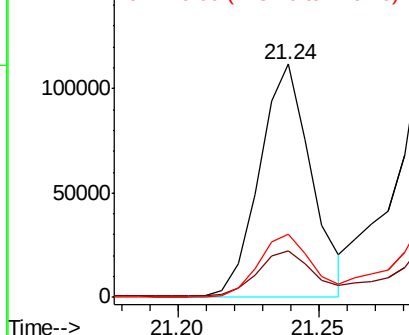


Abundance

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



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 2.263 ng/ul  
RT: 21.17 min Scan# 3091  
Delta R.T. 0.00 min  
Lab File: BN006461.D  
Acq: 21 Jun 2019 10:57

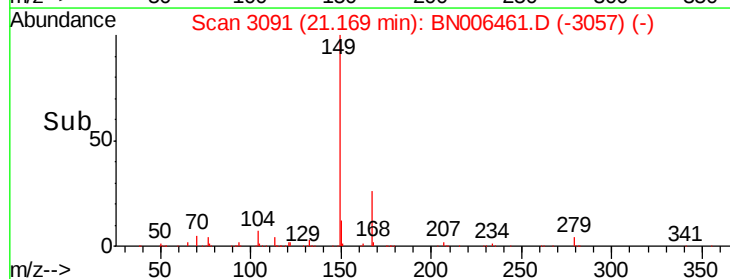
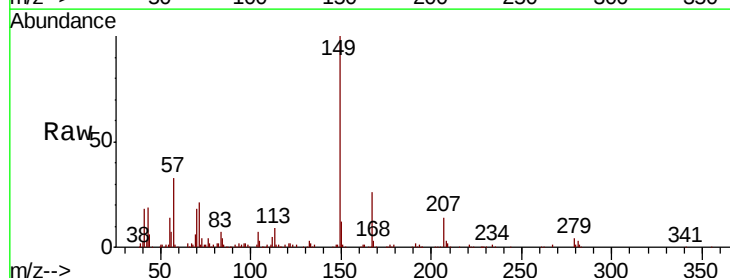
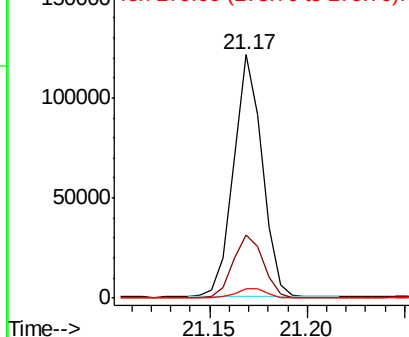
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.1  | 22.2  | 33.4  |
| 279     | 3.7   | 3.3   | 4.9   |

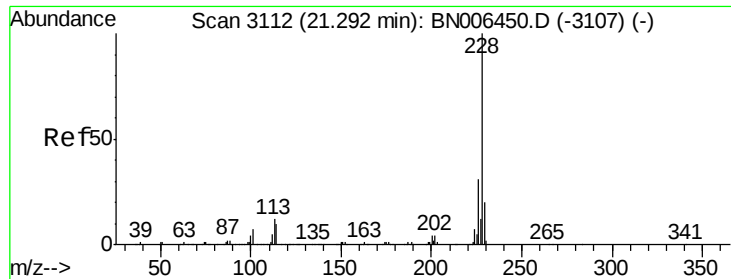
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 2.330 ng/ul

RT: 21.29 min Scan# 3112

Delta R.T. 0.00 min

Lab File: BN006461.D

Acq: 21 Jun 2019 10:57

Instrument :

BNA\_N

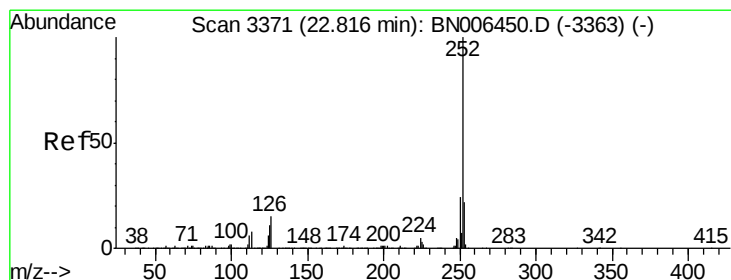
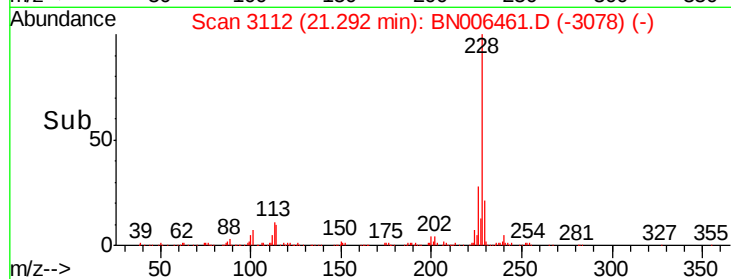
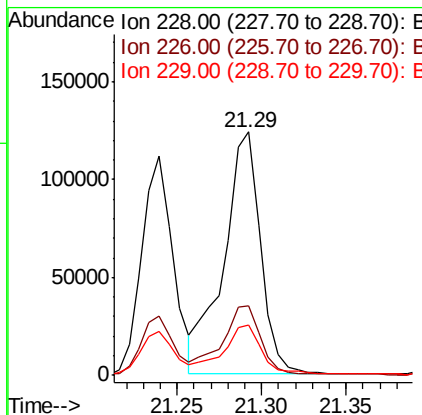
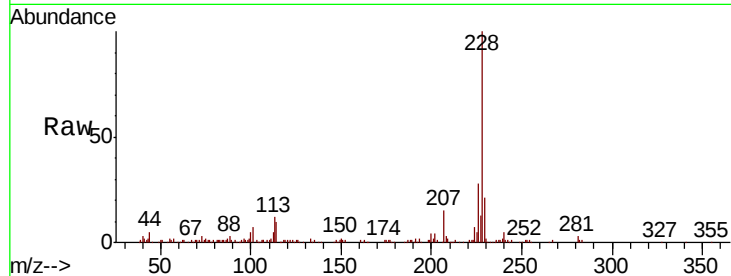
ClientSampleId :

A4202

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 187334 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.3  | 24.2  | 36.2   |
| 229       | 20.8  | 15.9  | 23.9   |

Manual Integrations  
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#87

Benzo(b)fluoranthene

Concen: 3.349 ng/ul

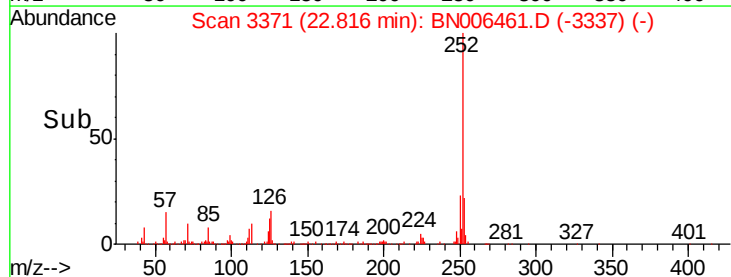
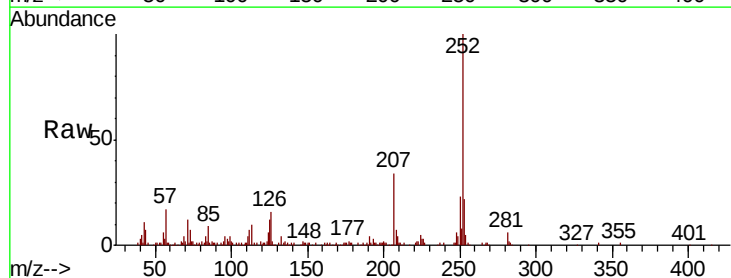
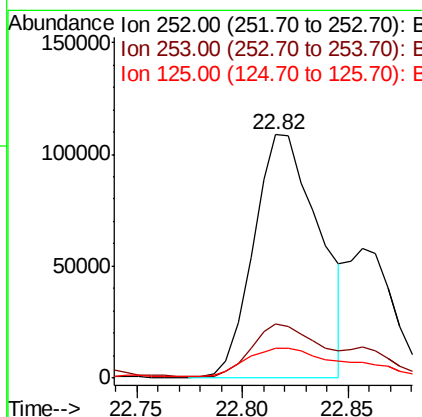
RT: 22.82 min Scan# 3371

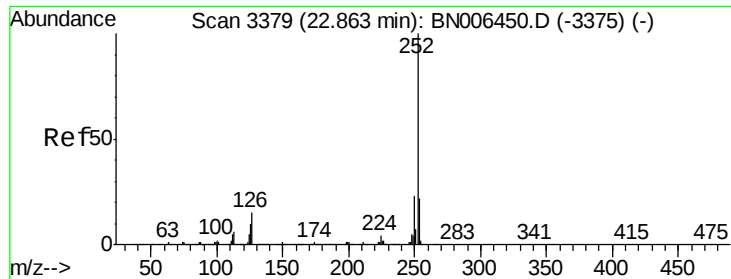
Delta R.T. 0.00 min

Lab File: BN006461.D

Acq: 21 Jun 2019 10:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 233759 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.5  | 17.7  | 26.5   |
| 125       | 12.4  | 9.0   | 13.6   |





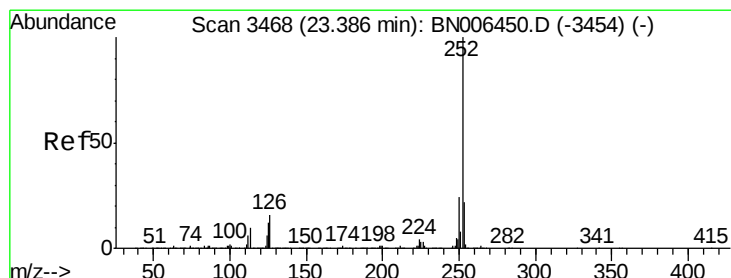
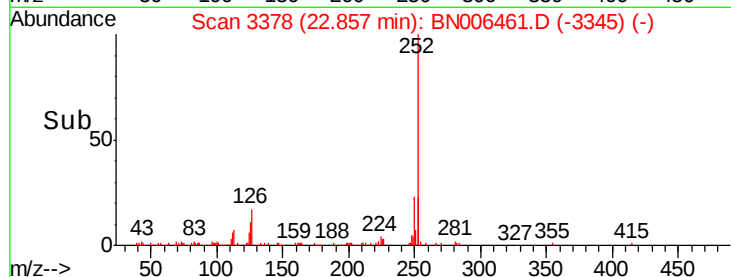
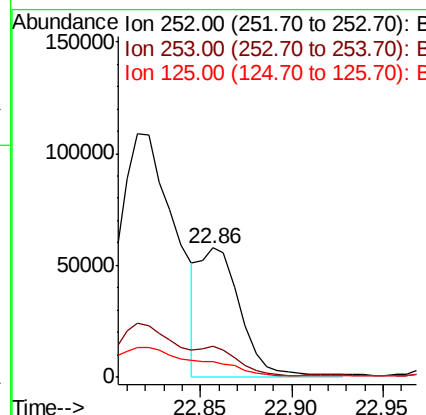
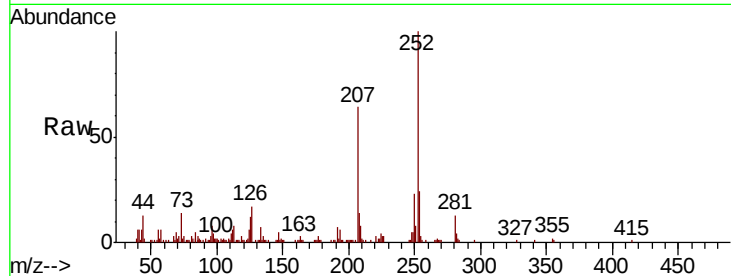
#88  
Benzo(k)fluoranthene  
Concen: 1.353 ng/ul m  
RT: 22.86 min Scan# 3378  
Delta R.T. -0.01 min  
Lab File: BN006461.D  
Acq: 21 Jun 2019 10:57

Instrument :  
BNA\_N  
ClientSampled :  
A4202

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 90283 |       |       |
| 253     | 23.9  |       | 17.4  | 26.0  |
| 125     | 12.2  |       | 9.1   | 13.7  |

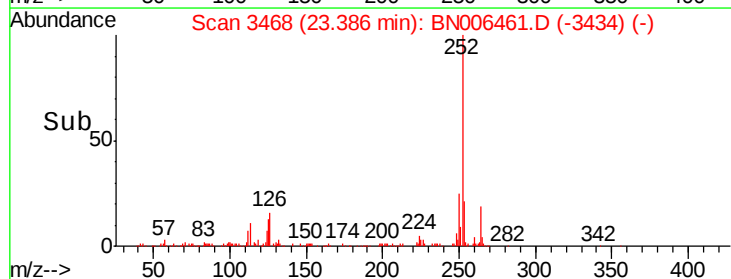
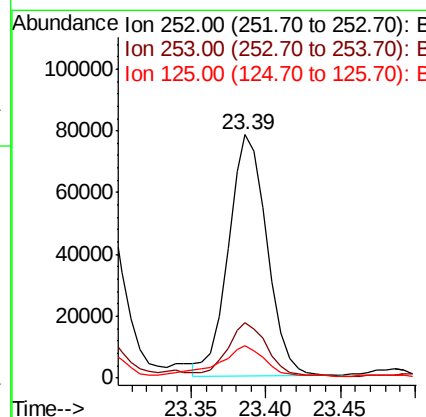
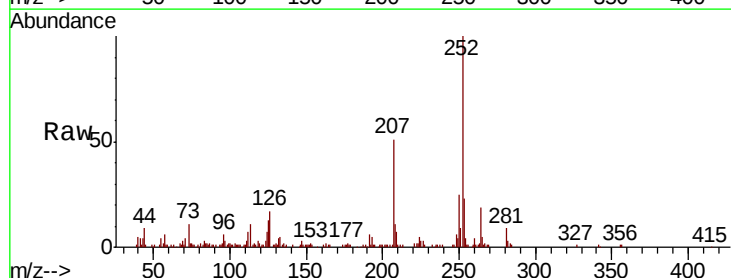
Manual Integrations  
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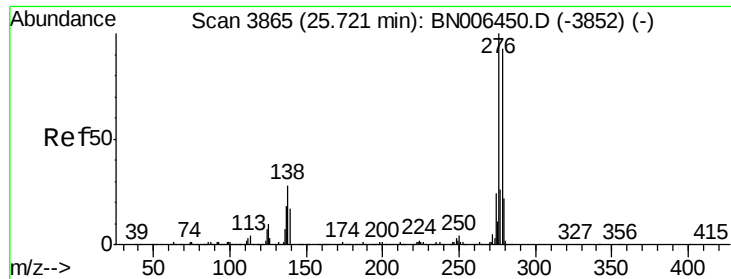
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6/21/2019 10:00:33 PM



#90  
Benzo(a)pyrene  
Concen: 2.096 ng/ul  
RT: 23.39 min Scan# 3468  
Delta R.T. 0.00 min  
Lab File: BN006461.D  
Acq: 21 Jun 2019 10:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 140294 |       |       |
| 253     | 22.6  |        | 17.7  | 26.5  |
| 125     | 13.4  |        | 10.0  | 15.0  |





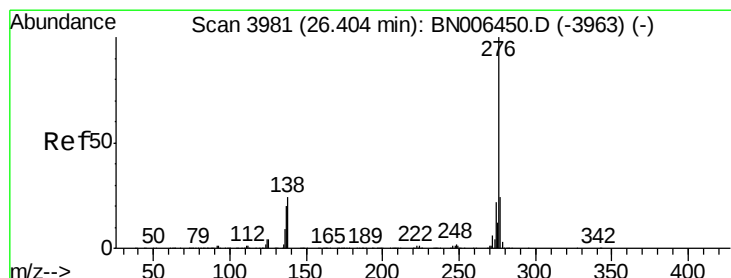
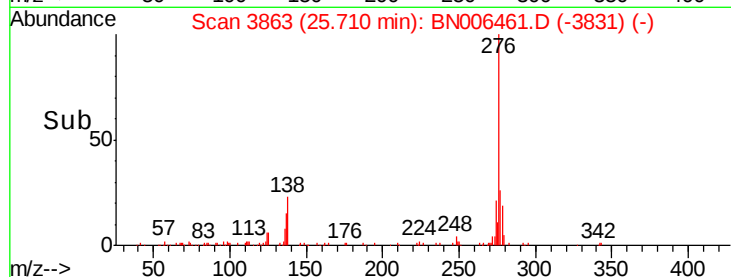
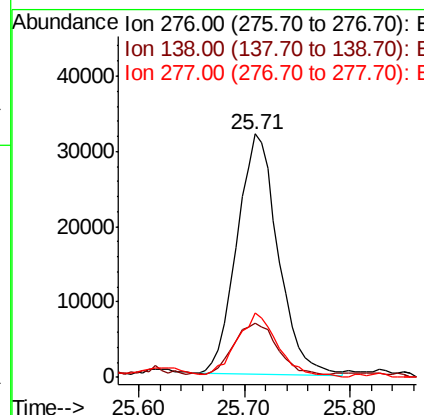
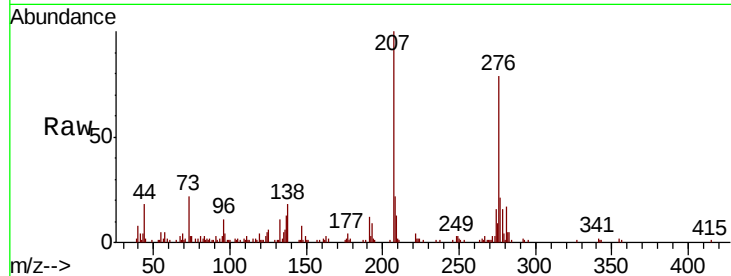
#91  
Indeno(1,2,3-cd)pyrene  
Concen: 1.092 ng/ul  
RT: 25.71 min Scan# 3863  
Delta R.T. -0.01 min  
Lab File: BN006461.D  
Acq: 21 Jun 2019 10:57

Instrument :  
BNA\_N  
ClientSampleId :  
A4202

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.3  | 22.2  | 33.4  |
| 277     | 26.5  | 20.2  | 30.4  |

Manual Integrations  
APPROVED

mohammad  
6/21/2019 10:00:33 PM



#93  
Benzo(g,h,i)perylene  
Concen: 1.160 ng/ul  
RT: 26.40 min Scan# 3980  
Delta R.T. -0.01 min  
Lab File: BN006461.D  
Acq: 21 Jun 2019 10:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.4  | 19.1  | 28.7  |
| 277     | 22.8  | 19.4  | 29.0  |

