

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121418\  
 Data File : BN003933.D  
 Acq On : 14 Dec 2018 16:11  
 Operator : JU/SJ  
 Sample : J6229-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F08

Manual Integrations  
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 12/17/2018 4:21:38 PM

Quant Time: Dec 14 22:59:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 14 22:50:59 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 25929    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 129670   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 81707    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 203502   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.40 | 240  | 279321   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.72 | 264  | 290144   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 1060   | 2.68  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 44754  | 17.56 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 25158  | 18.13 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 36908  | 18.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 28772  | 13.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 18833  | 18.33 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.71  | 143 | 21215  | 18.23 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 39133  | 18.34 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 24034  | 12.03 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 133997 | 18.37 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 167539 | 19.36 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.66 | 143 | 22544  | 14.95 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 127748 | 20.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 11676  | 7.97  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 203174 | 19.76 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.60 | 212 | 249460 | 19.96 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.57 | 264 | 311322 | 19.78 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |        |       | Ovalue    |
|--------------------------|-------|-----|--------|-------|-----------|
| 6) Phenol                | 7.02  | 94  | 8789   | 3.416 | ng/ul 98  |
| 34) 2-Methylnaphthalene  | 12.28 | 142 | 6380   | 1.218 | ng/ul 97  |
| 44) Dimethylphthalate    | 13.92 | 163 | 37140  | 5.216 | ng/ul 99  |
| 69) Phenanthrene         | 17.25 | 178 | 37729  | 3.209 | ng/ul 99  |
| 76) Fluoranthene         | 19.27 | 202 | 30790  | 2.136 | ng/ul 98  |
| 79) Pyrene               | 19.63 | 202 | 53499  | 3.428 | ng/ul 98  |
| 82) Benzo(a)anthracene   | 21.38 | 228 | 28369m | 1.629 | ng/ul     |
| 84) Chrysene             | 21.43 | 228 | 40965  | 2.511 | ng/ul# 96 |
| 87) Benzo(b)fluoranthene | 23.01 | 252 | 29526  | 1.699 | ng/ul# 84 |
| 90) Benzo(a)pyrene       | 23.62 | 252 | 24791  | 1.481 | ng/ul# 86 |
| 93) Benzo(g,h,i)perylene | 26.80 | 276 | 59365  | 3.251 | ng/ul 97  |

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

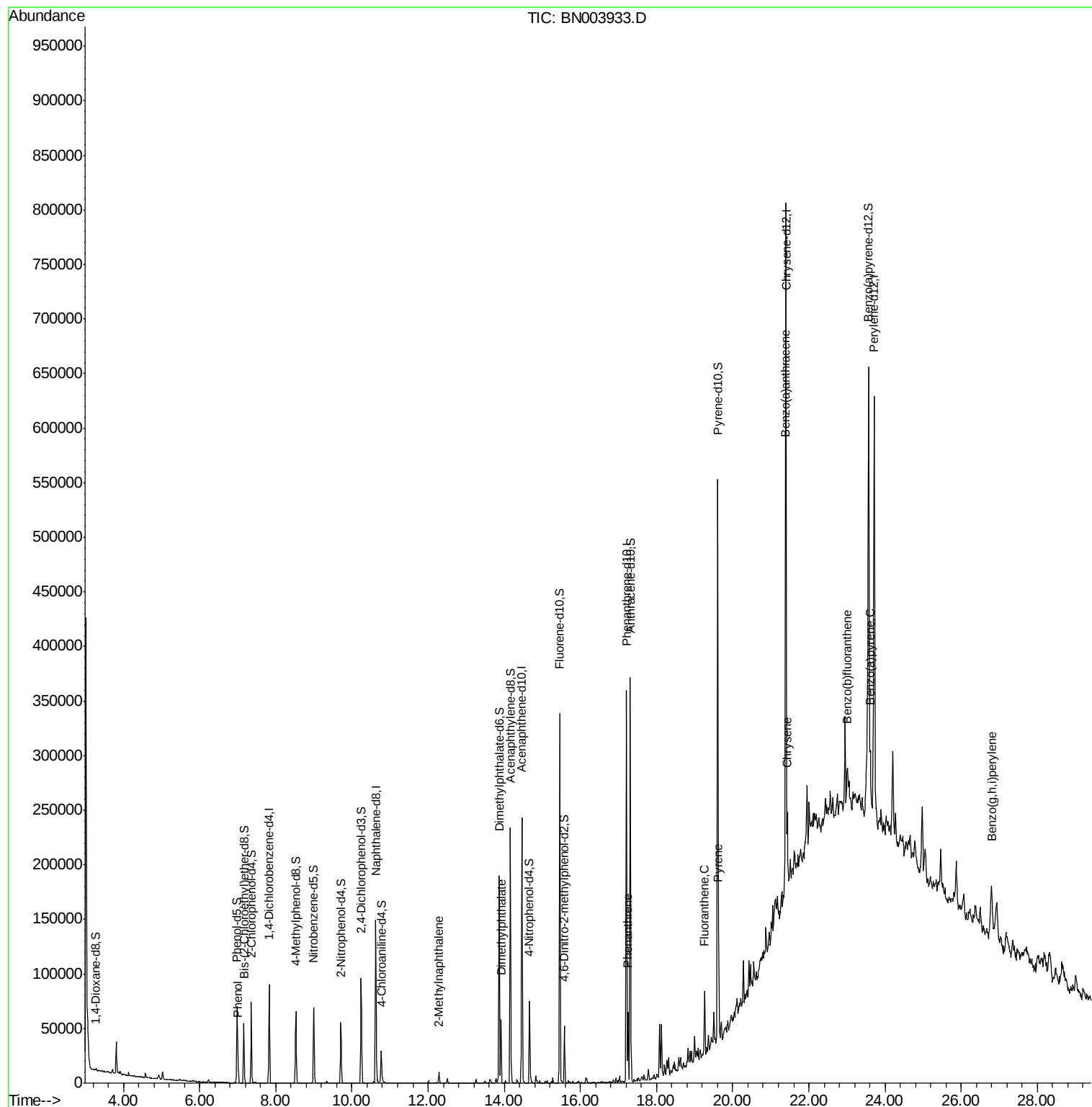
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121418\  
Data File : BN003933.D  
Acq On : 14 Dec 2018 16:11  
Operator : JU/SJ  
Sample : J6229-10  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

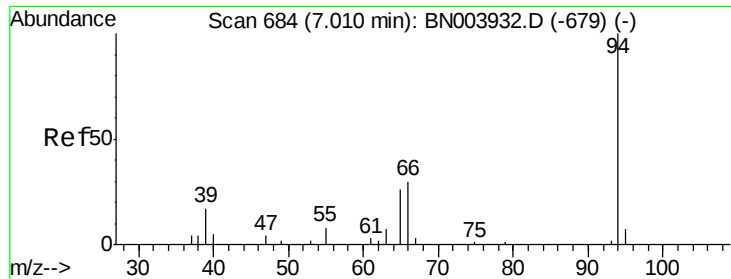
Instrument :  
BNA\_N  
ClientSampled :  
F9F08

Quant Time: Dec 14 22:59:54 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 14 22:50:59 2018  
Response via : Initial Calibration

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#6

Phenol

Concen: 3.416 ng/ul

RT: 7.02 min Scan# 685

Delta R.T. 0.01 min

Lab File: BN003933.D

Acq: 14 Dec 2018 16:11

Instrument :

BNA\_N

ClientSampled :

F9F08

Tot Ion: 94 Resp: 8789

Ion Ratio Lower Upper

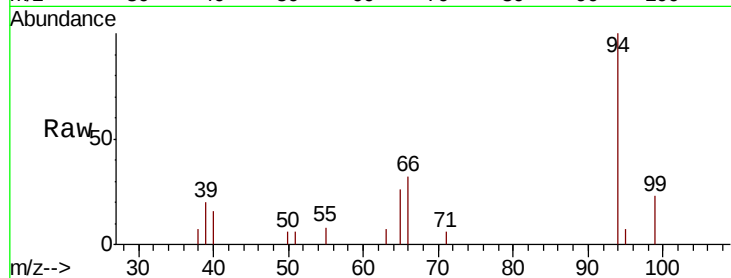
94 100

65 25.9 21.2 31.8

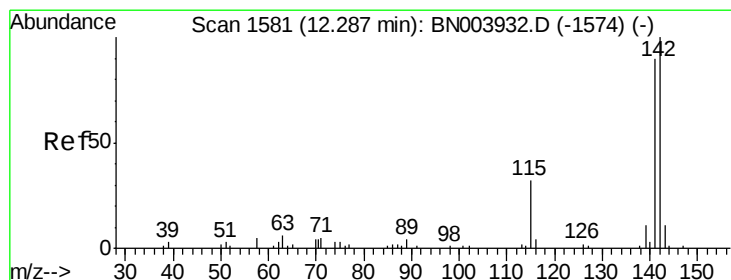
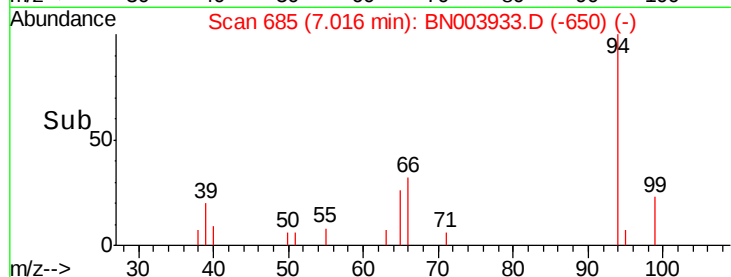
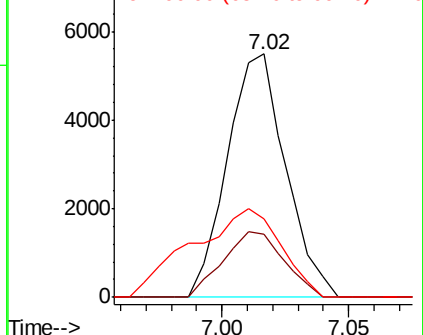
66 32.1 26.9 40.3

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Abundance Ion 94.00 (93.70 to 94.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0  
Ion 66.00 (65.70 to 66.70): BN0



#34

2-Methylnaphthalene

Concen: 1.218 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BN003933.D

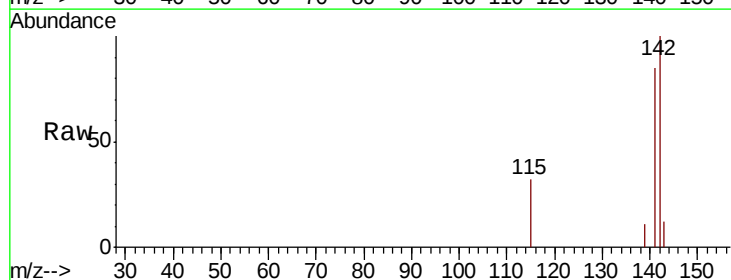
Acq: 14 Dec 2018 16:11

Tgt Ion: 142 Resp: 6380

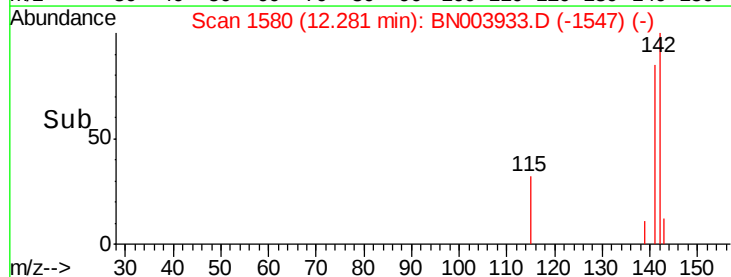
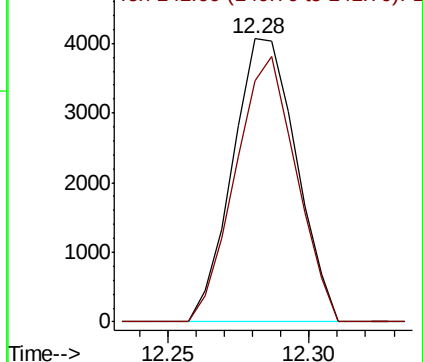
Ion Ratio Lower Upper

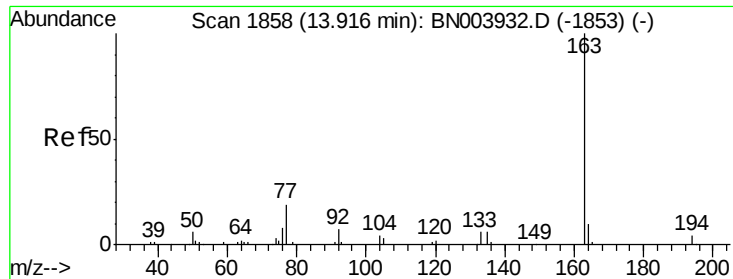
142 100

141 85.4 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E





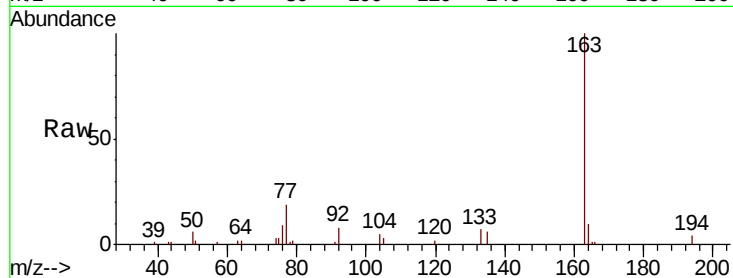
#44  
Dimethylphthalate  
Concen: 5.216 ng/ul  
RT: 13.92 min Scan# 1858  
Delta R.T. -0.00 min  
Lab File: BN003933.D  
Acq: 14 Dec 2018 16:11

Instrument :  
BNA\_N  
ClientSampled :  
F9F08

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.4   | 5.0   |
| 164     | 10.4  | 7.9   | 11.9  |

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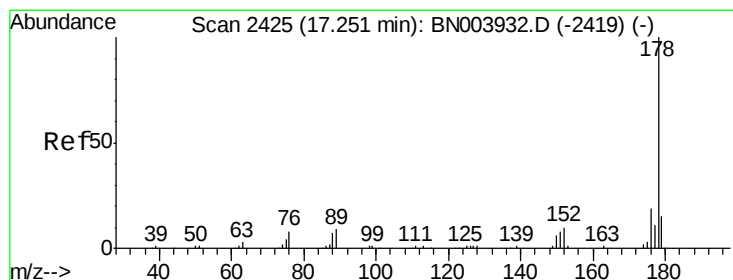
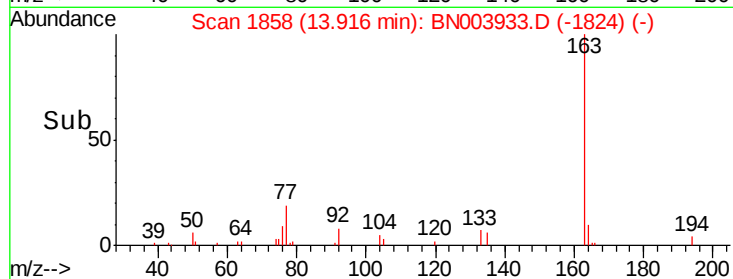
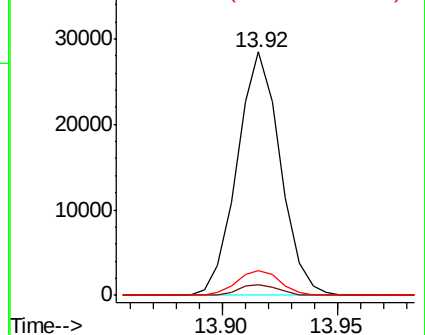


Abundance

Ion 163.00 (162.70 to 163.70): E

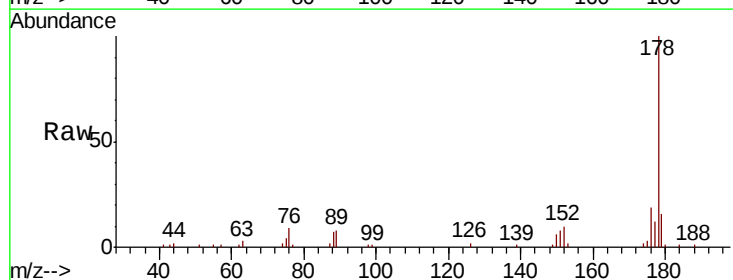
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69  
Phenanthrene  
Concen: 3.209 ng/ul  
RT: 17.25 min Scan# 2425  
Delta R.T. -0.00 min  
Lab File: BN003933.D  
Acq: 14 Dec 2018 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.6  | 12.1  | 18.1  |
| 176     | 19.3  | 15.0  | 22.6  |

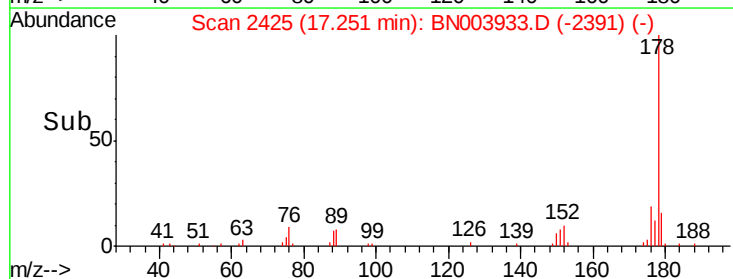
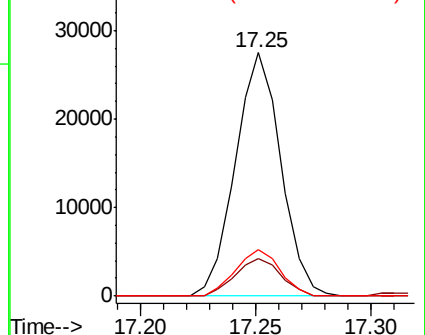


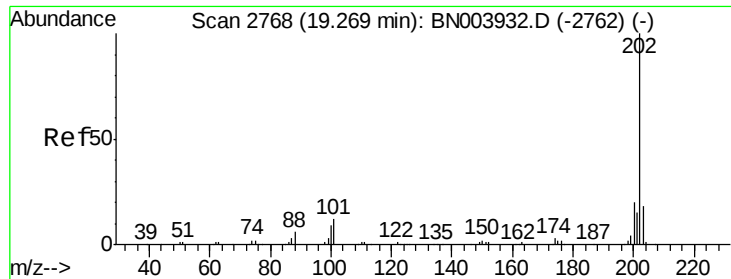
Abundance

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: 2.136 ng/ul

RT: 19.27 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BN003933.D

Acq: 14 Dec 2018 16:11

Instrument :

BNA\_N

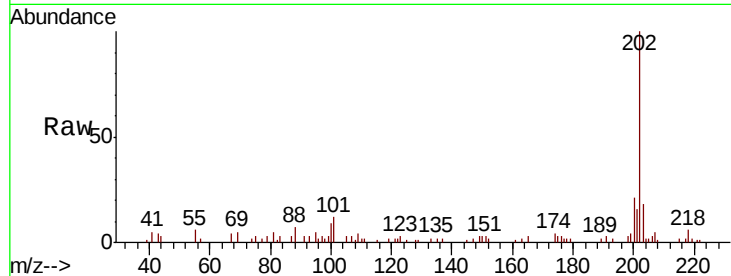
ClientSampled :

F9F08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 30790 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.7  | 10.2  | 15.2  |
| 100       | 9.2   | 7.8   | 11.8  |

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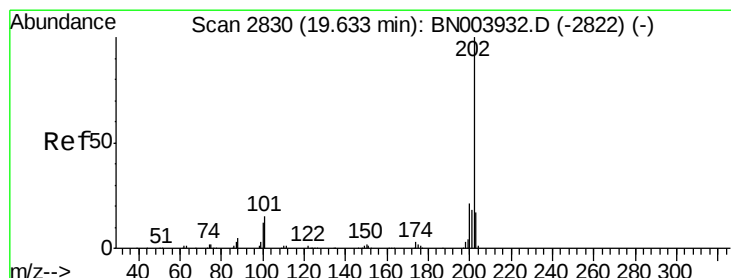
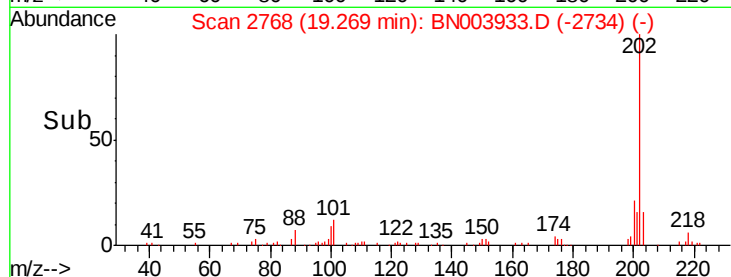
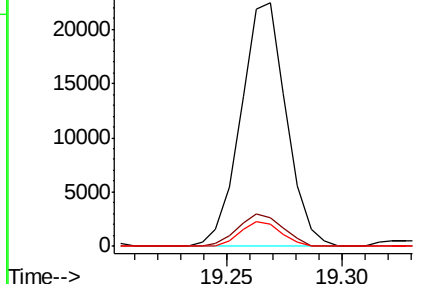
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 3.428 ng/ul

RT: 19.63 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BN003933.D

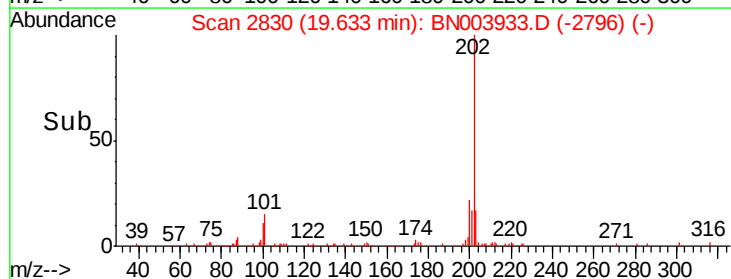
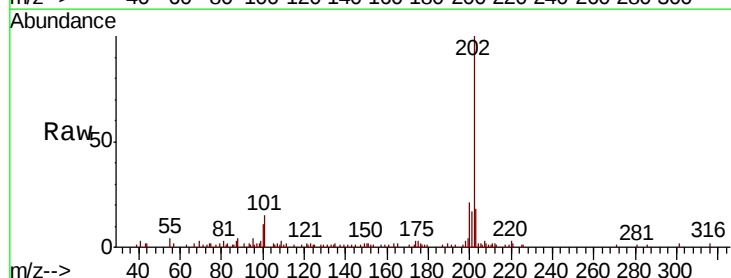
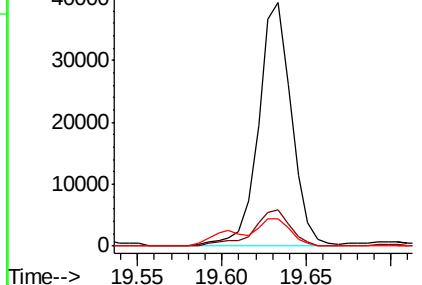
Acq: 14 Dec 2018 16:11

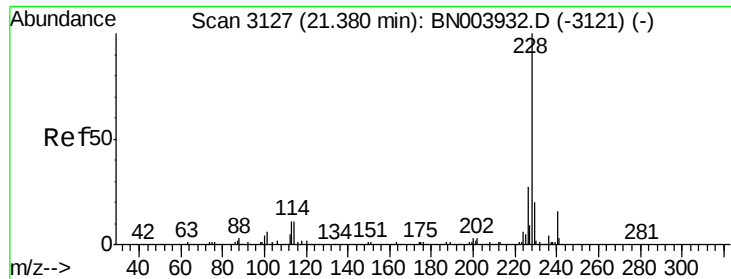
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 53499 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.7  | 12.2  | 18.2  |
| 100       | 11.1  | 9.9   | 14.9  |

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: 1.629 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BN003933.D

Acq: 14 Dec 2018 16:11

Instrument :

BNA\_N

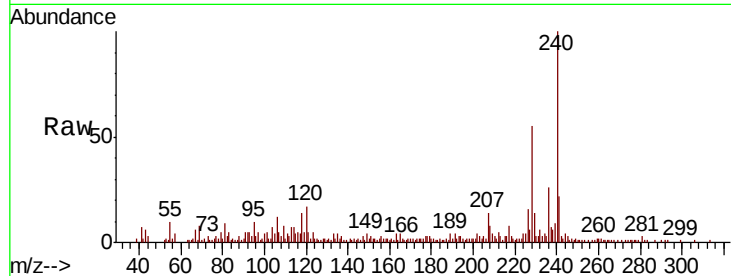
ClientSampled :

F9F08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 28369 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 26.2  | 15.9  | 23.9# |
| 226       | 29.6  | 21.4  | 32.2  |

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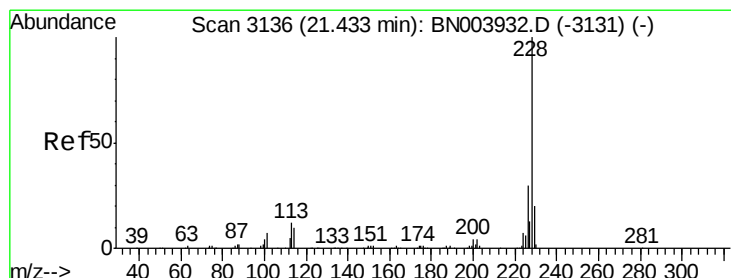
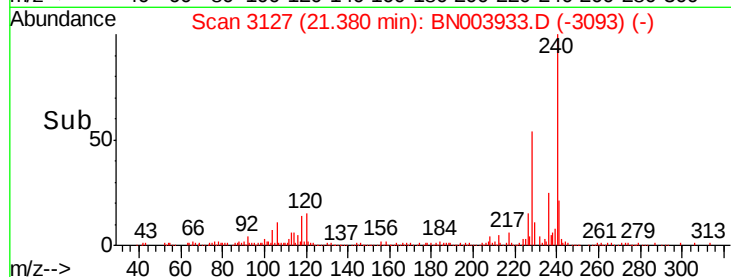
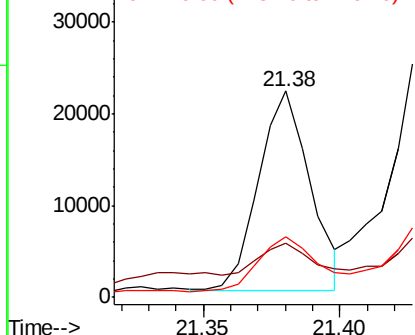


Abundance

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



#84

Chrysene

Concen: 2.511 ng/ul

RT: 21.43 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BN003933.D

Acq: 14 Dec 2018 16:11

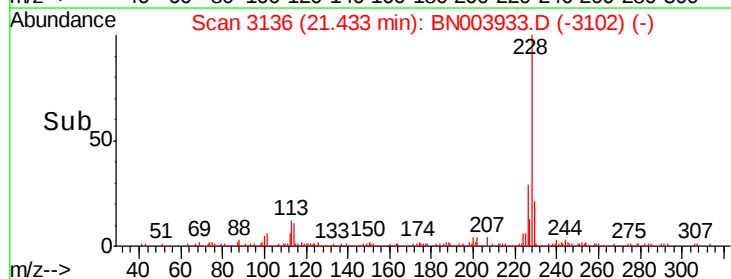
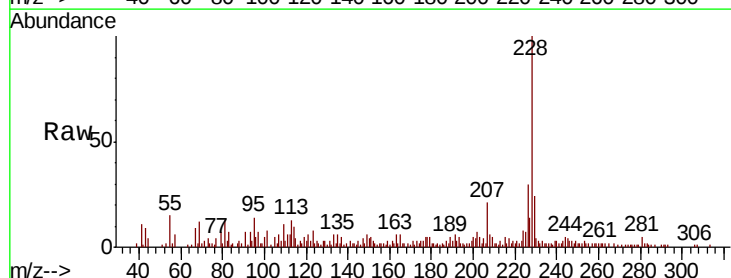
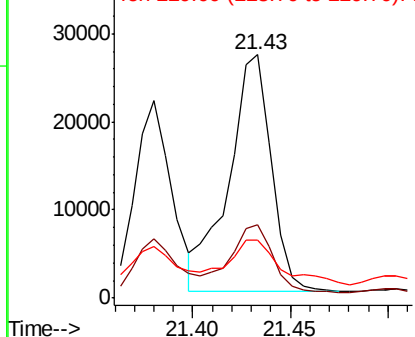
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 40965 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.3  | 23.8  | 35.8  |
| 229       | 23.9  | 15.8  | 23.6# |

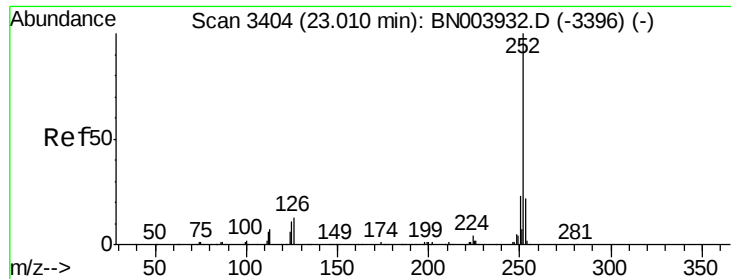
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





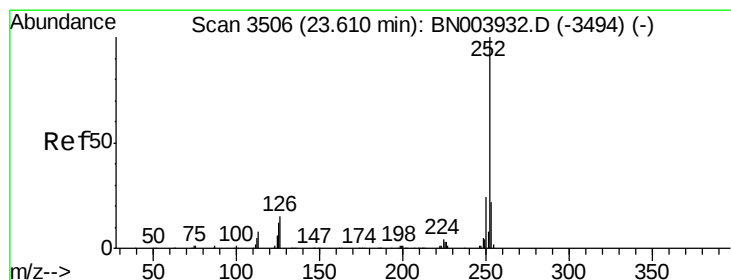
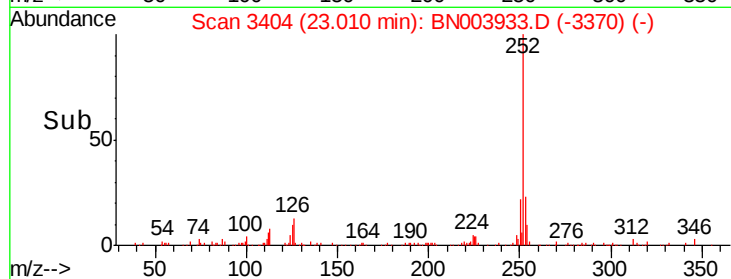
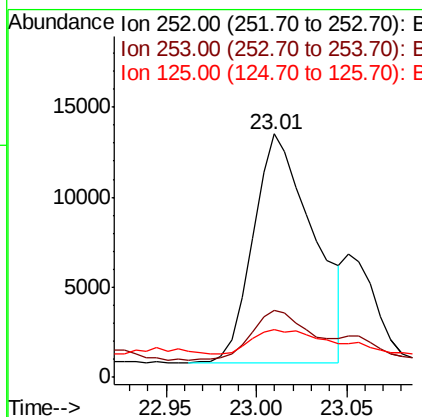
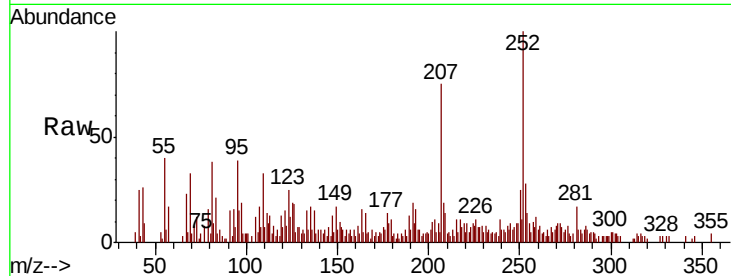
#87  
Benzo(b)fluoranthene  
Concen: 1.699 ng/ul  
RT: 23.01 min Scan# 3404  
Delta R.T. -0.00 min  
Lab File: BN003933.D  
Acq: 14 Dec 2018 16:11

Instrument :  
BNA\_N  
ClientSampled :  
F9F08

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.6  | 17.3  | 25.9# |
| 125     | 19.4  | 8.2   | 12.4# |

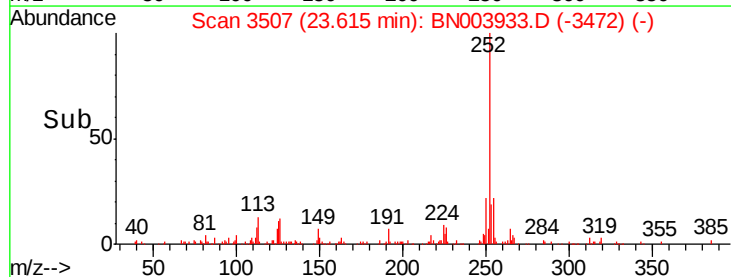
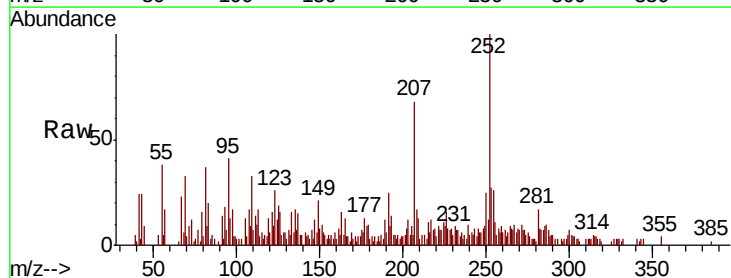
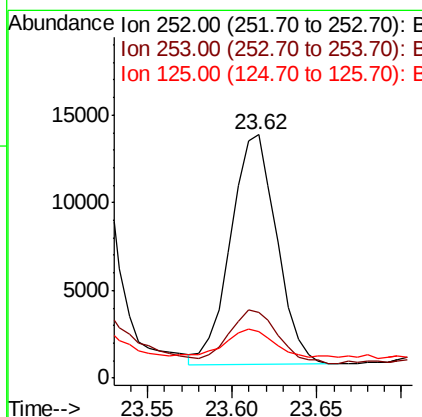
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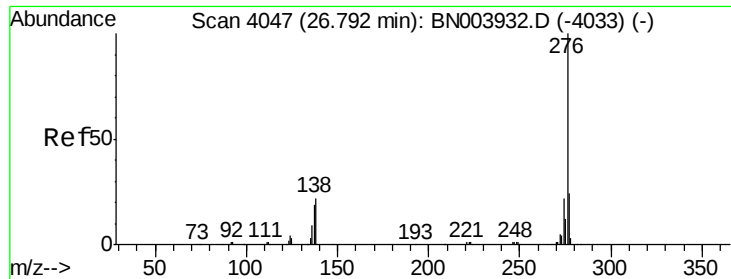
Sohil  
12/17/2018 4:21:38 PM



#90  
Benzo(a)pyrene  
Concen: 1.481 ng/ul  
RT: 23.62 min Scan# 3507  
Delta R.T. 0.01 min  
Lab File: BN003933.D  
Acq: 14 Dec 2018 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.2  | 17.5  | 26.3# |
| 125     | 19.3  | 9.1   | 13.7# |





#93

Benzo(a,h,i)perylene

Concen: 3.251 ng/ul

RT: 26.80 min Scan# 4048

Delta R.T. 0.01 min

Lab File: BN003933.D

Acq: 14 Dec 2018 16:11

Instrument :

BNA\_N

ClientSampleId :

F9F08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 59365 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 23.6  | 18.2  | 27.4  |
| 277       | 25.8  | 19.0  | 28.6  |

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