

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\  
 Data File : BN009816.D  
 Acq On : 21 Feb 2020 20:19  
 Operator : CG/JU  
 Sample : L1535-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB6Q0

Manual Integrations  
 APPROVED

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 2/24/2020 4:48:01 PM

Quant Time: Feb 21 22:29:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 19 04:46:48 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 112063   | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.14 | 136  | 473249   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.03 | 164  | 296740   | 20.00 | ng/ul | -0.02    |
| 62) Phenanthrene-d10      | 16.79 | 188  | 616279   | 20.00 | ng/ul | -0.02    |
| 78) Chrysene-d12          | 21.00 | 240  | 540586   | 20.00 | ng/ul | -0.02    |
| 86) Perylene-d12          | 23.10 | 264  | 580742   | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 3379   | 1.24 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.60  | 99  | 53605  | 5.62 | ng/ul | -0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 41648  | 6.33 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 6.94  | 132 | 44762  | 6.24 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8          | 8.12  | 113 | 40467  | 5.34 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.55  | 128 | 21436  | 6.19 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.25  | 143 | 22072  | 5.83 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 9.80  | 165 | 37477  | 5.15 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.31 | 131 | 55018  | 6.73 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.46 | 166 | 145292 | 6.56 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8          | 13.72 | 160 | 170128 | 6.52 | ng/ul | -0.02 |
| 52) 4-Nitrophenol-d4           | 14.30 | 143 | 10317m | 2.55 | ng/ul | 0.01  |
| 58) Fluorene-d10               | 15.04 | 176 | 132032 | 6.90 | ng/ul | -0.02 |
| 63) 4,6-Dinitro-2-methylphenol | 15.21 | 200 | 10436  | 2.73 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.89 | 188 | 191430 | 6.78 | ng/ul | -0.02 |
| 79) Pyrene-d10                 | 19.20 | 212 | 216628 | 7.67 | ng/ul | -0.02 |
| 90) Benzo(a)pyrene-d12         | 22.97 | 264 | 200391 | 6.91 | ng/ul | -0.03 |

## Target Compounds

|                          |       |     |       |             | Ovalue |
|--------------------------|-------|-----|-------|-------------|--------|
| 70) Phenanthrene         | 16.83 | 178 | 37841 | 1.076 ng/ul | 96     |
| 77) Fluoranthene         | 18.86 | 202 | 72336 | 1.756 ng/ul | 99     |
| 80) Pyrene               | 19.23 | 202 | 70531 | 1.810 ng/ul | 98     |
| 83) Benzo(a)anthracene   | 20.99 | 228 | 38476 | 1.036 ng/ul | 95     |
| 85) Chrysene             | 21.04 | 228 | 40863 | 1.117 ng/ul | 95     |
| 88) Benzo(b)fluoranthene | 22.49 | 252 | 56933 | 1.512 ng/ul | 99     |

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

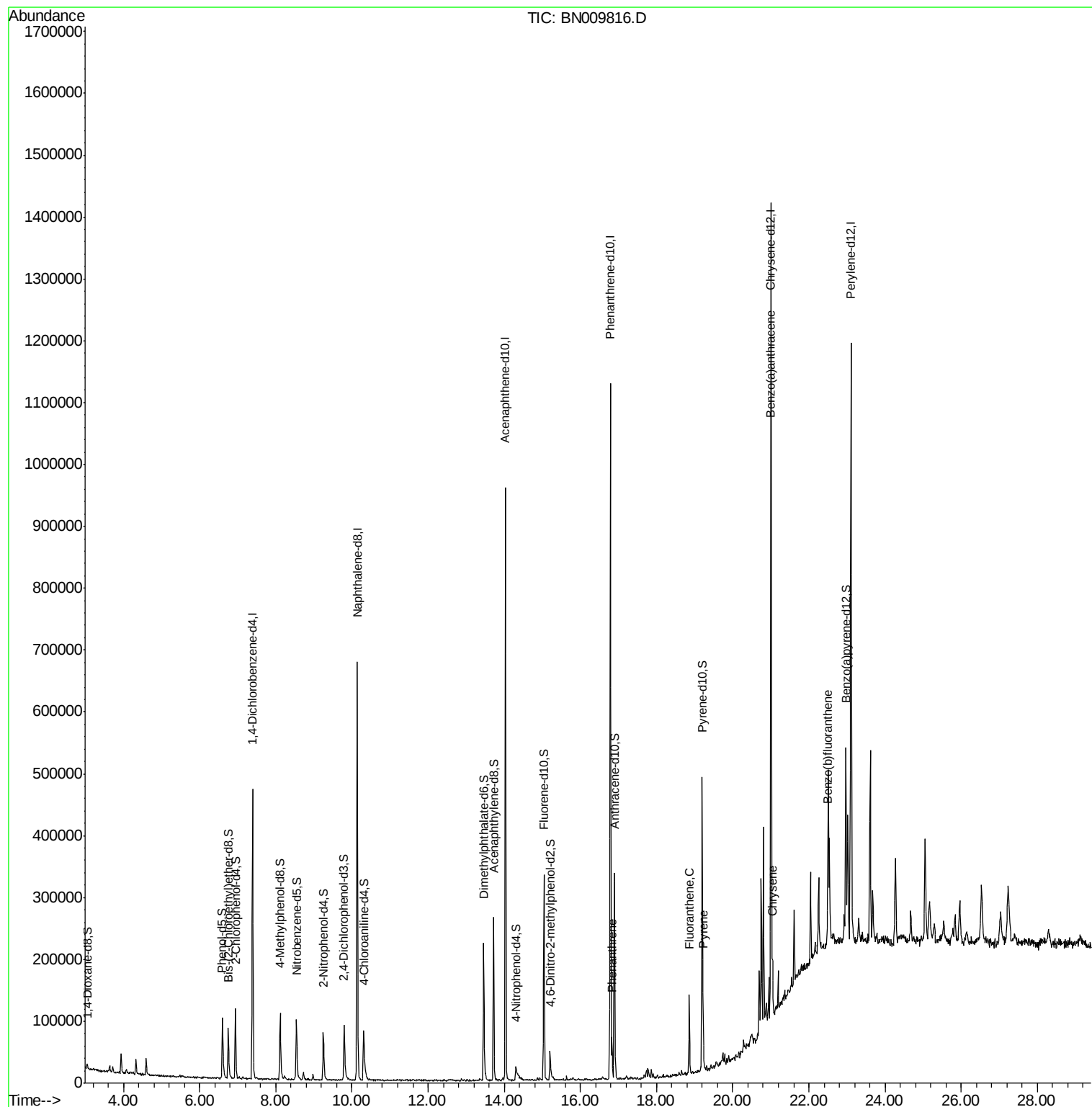
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN022220\  
Data File : BN009816.D  
Acq On : 21 Feb 2020 20:19  
Operator : CG/JU  
Sample : L1535-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

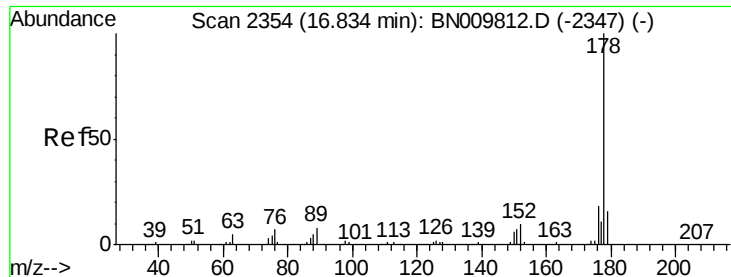
Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q0

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Quant Time: Feb 21 22:29:34 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 19 04:46:48 2020  
Response via : Initial Calibration





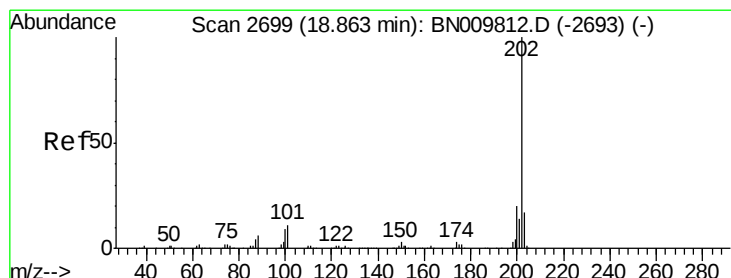
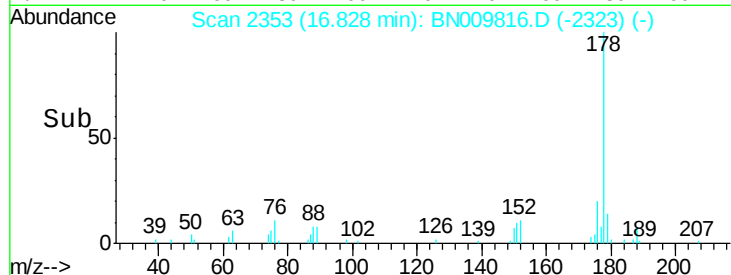
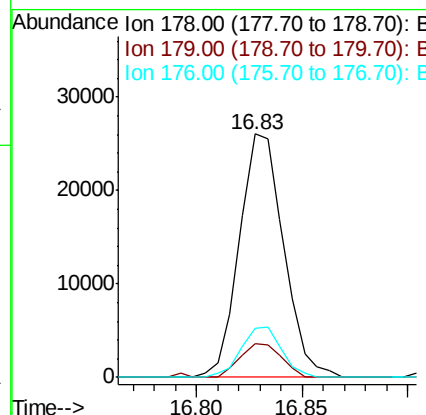
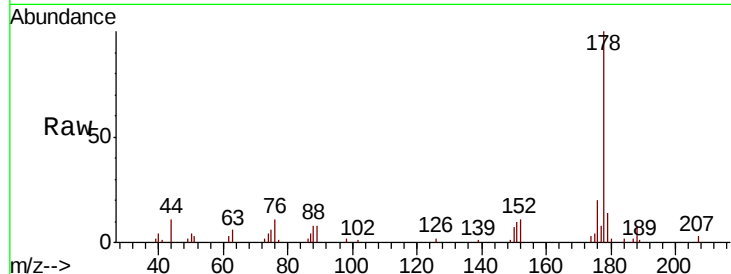
#70  
Phenanthrene  
Concen: 1.076 ng/ul  
RT: 16.83 min Scan# 2353  
Delta R.T. -0.02 min  
Lab File: BN009816.D  
Acq: 21 Feb 2020 20:19

Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.1  | 12.5  | 18.7  |
| 176     | 20.2  | 14.6  | 22.0  |

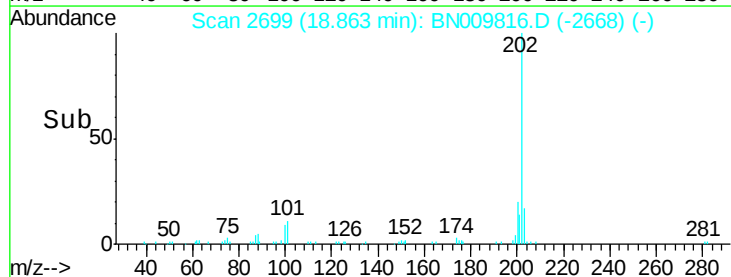
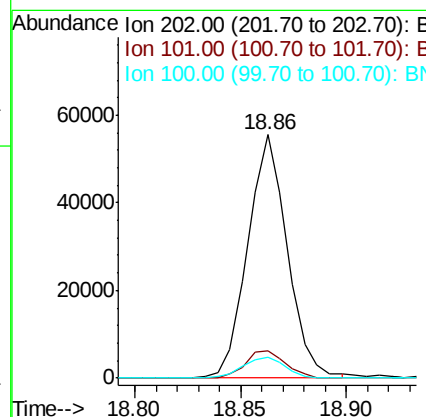
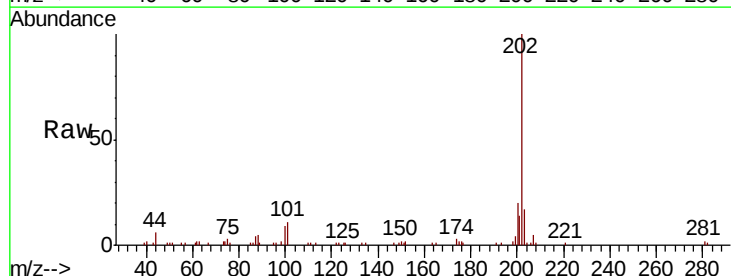
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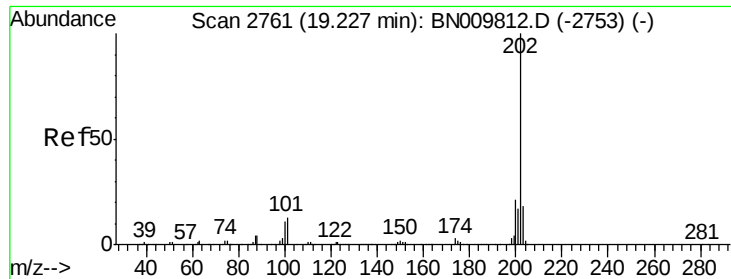
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#77  
Fluoranthene  
Concen: 1.756 ng/ul  
RT: 18.86 min Scan# 2699  
Delta R.T. -0.02 min  
Lab File: BN009816.D  
Acq: 21 Feb 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.2  | 9.4   | 14.2  |
| 100     | 8.6   | 7.2   | 10.8  |





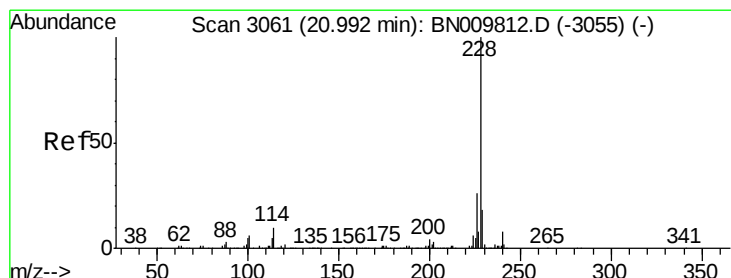
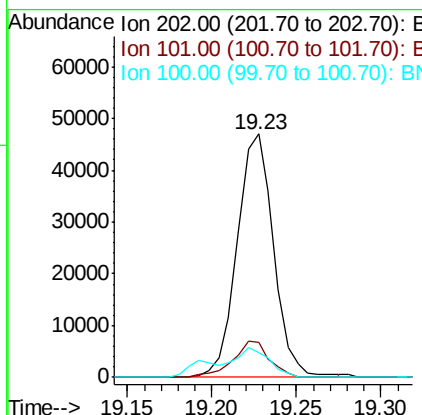
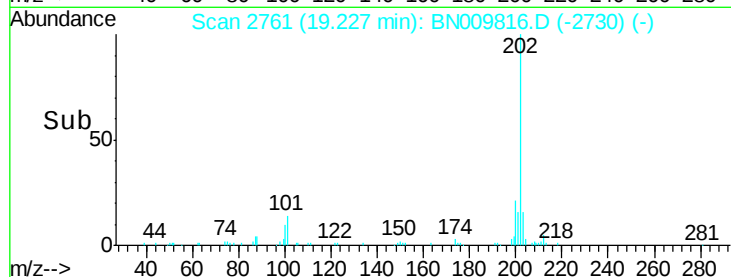
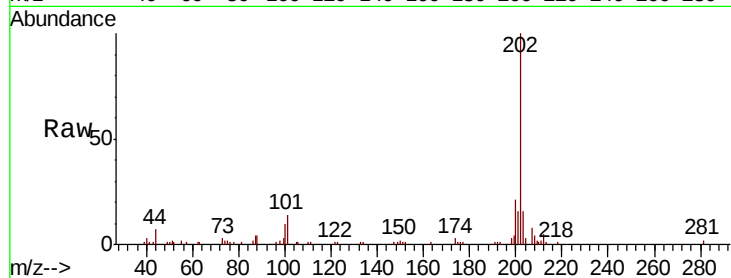
#80  
Pvrene  
Concen: 1.810 ng/ul  
RT: 19.23 min Scan# 2761  
Delta R.T. -0.02 min  
Lab File: BN009816.D  
Acq: 21 Feb 2020 20:19

Instrument :  
BNA\_N  
ClientSampleId :  
CB6Q0

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.5  | 11.3  | 16.9  |
| 100     | 10.3  | 9.0   | 13.6  |

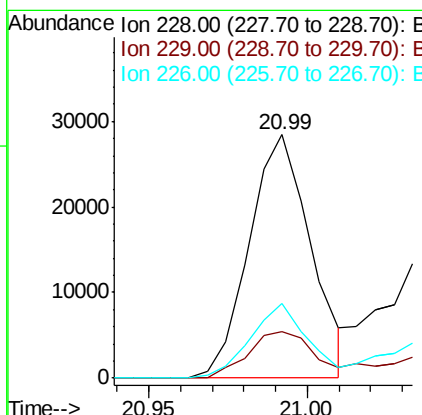
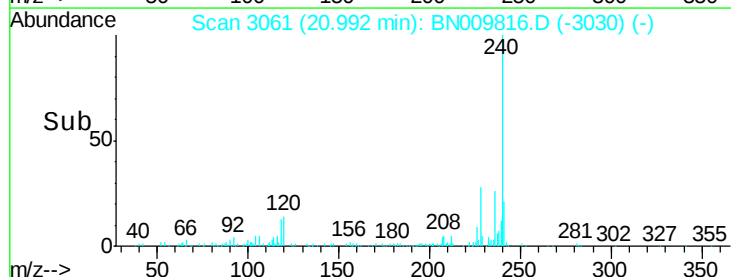
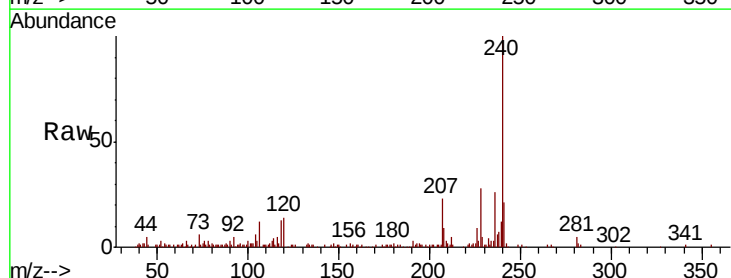
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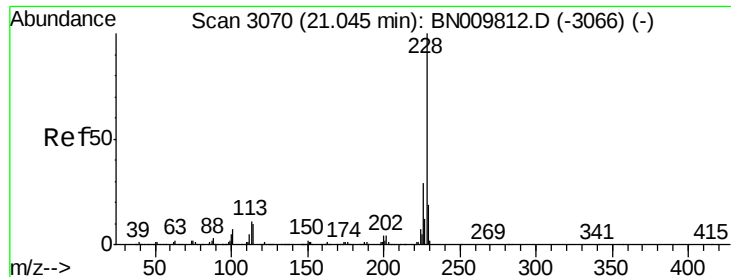
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#83  
Benzo(a)anthracene  
Concen: 1.036 ng/ul  
RT: 20.99 min Scan# 3061  
Delta R.T. -0.02 min  
Lab File: BN009816.D  
Acq: 21 Feb 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.3  | 15.0  | 22.4  |
| 226     | 30.9  | 21.4  | 32.2  |





#85

Chrysene

Concen: 1.117 ng/ul

RT: 21.04 min Scan# 3070

Delta R.T. -0.02 min

Lab File: BN009816.D

Acq: 21 Feb 2020 20:19

Instrument :

BNA\_N

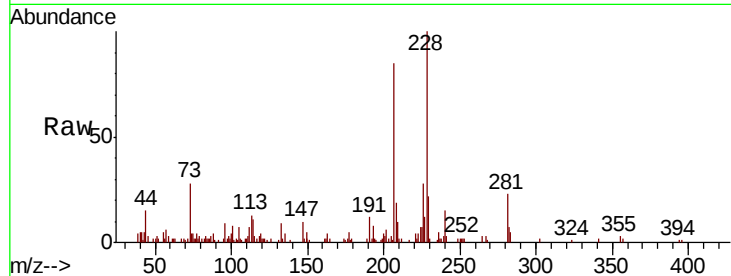
ClientSampleId :

CB6Q0

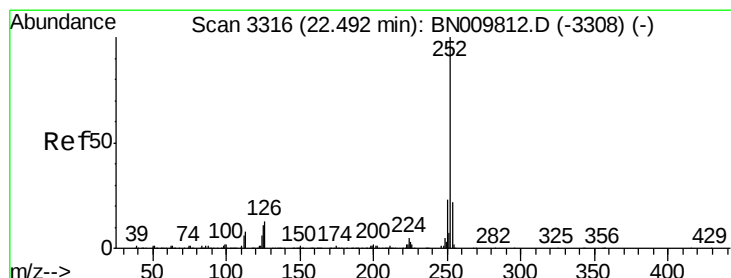
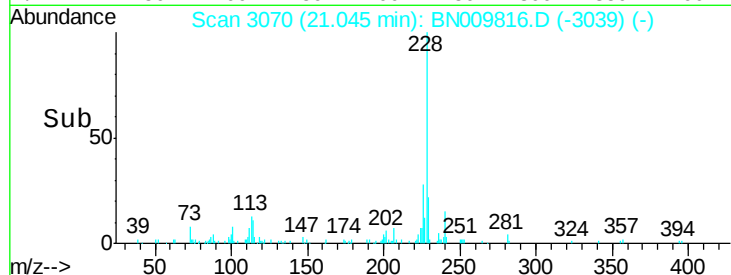
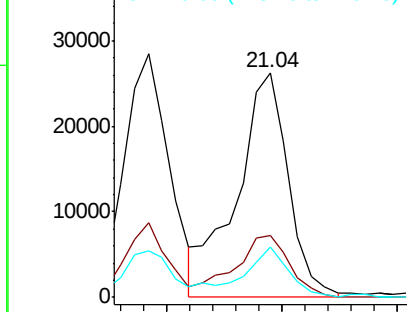
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 40863 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 27.6  | 23.4  | 35.2  |
| 229       | 22.3  | 15.0  | 22.4  |

Manual Integrations  
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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



#88

Benzo(b)fluoranthene

Concen: 1.512 ng/ul

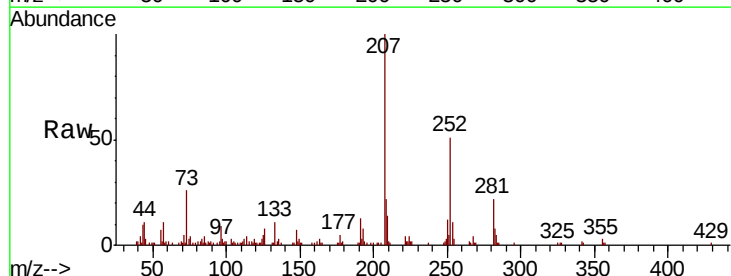
RT: 22.49 min Scan# 3316

Delta R.T. -0.02 min

Lab File: BN009816.D

Acq: 21 Feb 2020 20:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 56933 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.0  | 17.0  | 25.4  |
| 125       | 10.4  | 8.0   | 12.0  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

