

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071618\  
 Data File : BN002058.D  
 Acq On : 16 Jul 2018 21:04  
 Operator : JU/SJ  
 Sample : J3967-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 17 00:51:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 17 00:49:33 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 316465   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 1465119  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 884841   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2033241  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.29 | 240  | 2117172  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.52 | 264  | 2076838  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 41702   | 5.95  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 206605  | 6.93  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 588861  | 32.43 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 611248  | 25.97 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.41  | 113 | 399188  | 16.63 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 402294  | 33.15 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 467029  | 34.03 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 747784  | 30.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 1740    | 0.06  | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 2630176 | 35.07 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 3133448 | 33.58 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 107838  | 7.53  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 2227353 | 34.53 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 453678  | 34.26 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 3404362 | 34.34 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.49 | 212 | 3788044 | 34.42 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.38 | 264 | 3959404 | 35.30 | ng/ul | 0.00 |

## Target Compounds

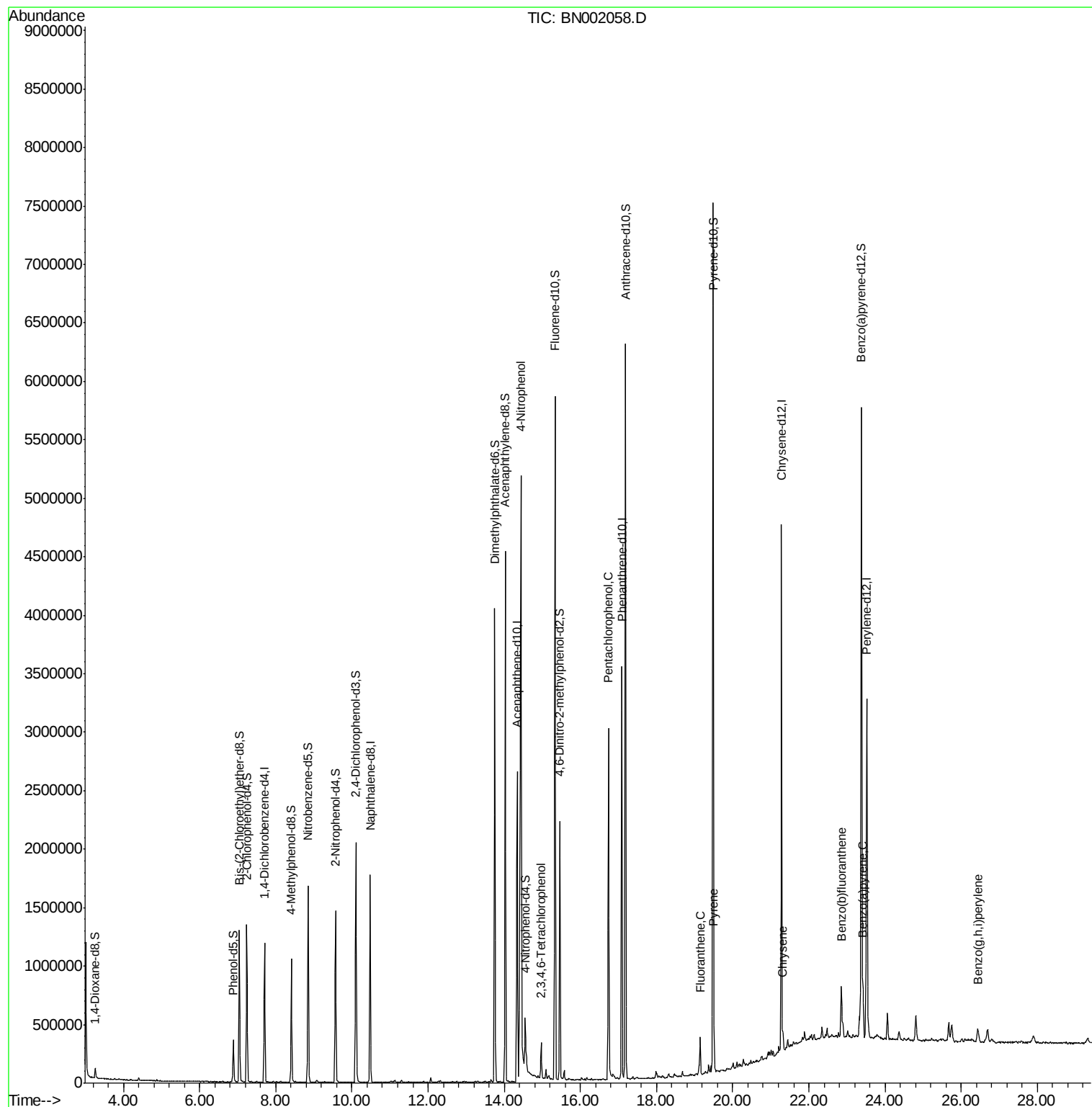
|                               |       |     |        | Ovalue |           |
|-------------------------------|-------|-----|--------|--------|-----------|
| 52) 4-Nitrophenol             | 14.44 | 109 | 422187 | 42.156 | ng/ul# 1  |
| 55) 2,3,4,6-Tetrachlorophenol | 14.97 | 232 | 58168  | 3.180  | ng/ul 96  |
| 68) Pentachlorophenol         | 16.74 | 266 | 516325 | 36.662 | ng/ul 99  |
| 76) Fluoranthene              | 19.14 | 202 | 184266 | 1.521  | ng/ul 99  |
| 79) Pyrene                    | 19.51 | 202 | 168277 | 1.239  | ng/ul 100 |
| 84) Chrysene                  | 21.32 | 228 | 138409 | 1.101  | ng/ul 99  |
| 87) Benzo(b)fluoranthene      | 22.85 | 252 | 266481 | 2.085  | ng/ul 98  |
| 90) Benzo(a)pyrene            | 23.42 | 252 | 167401 | 1.378  | ng/ul 98  |
| 93) Benzo(a,h,i)perylene      | 26.44 | 276 | 122406 | 1.038  | ng/ul 99  |

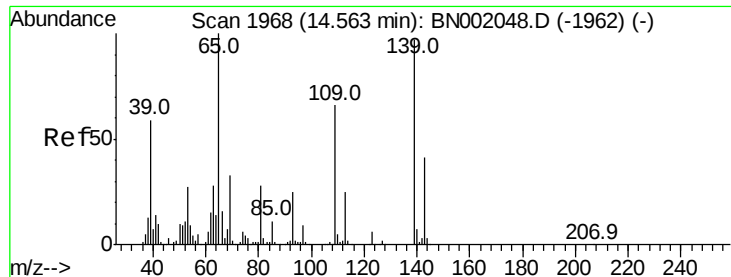
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 17 00:51:39 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 17 00:49:33 2018  
Response via : Initial Calibration





#52

4-Nitrophenol

Concen: 42.156 ng/ul

RT: 14.44 min Scan# 1947

Delta R.T. -0.12 min

Lab File: BN002058.D

Acq: 16 Jul 2018 21:04

Instrument :

BNA\_N

ClientSampleId :

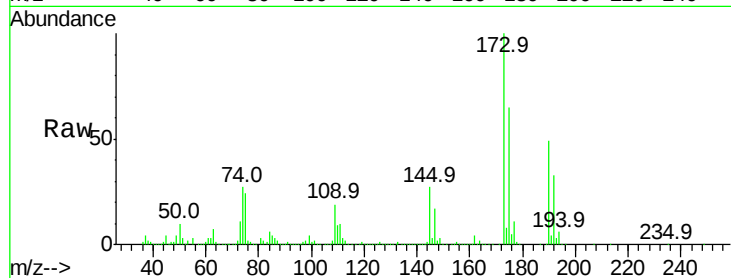
Tot Ion:109 Resp: 422187

Ion Ratio Lower Upper

109 100

139 1.2 103.7 155.5#

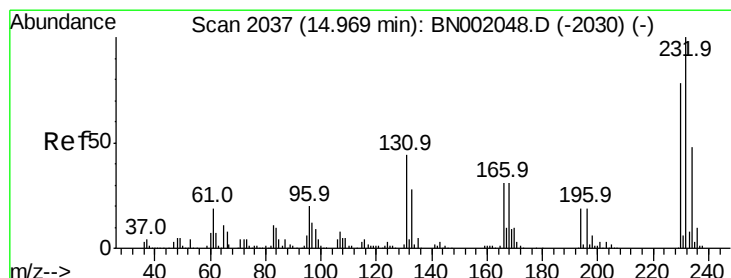
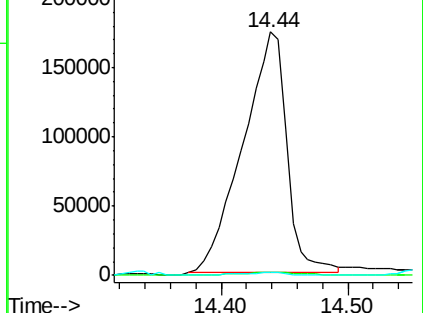
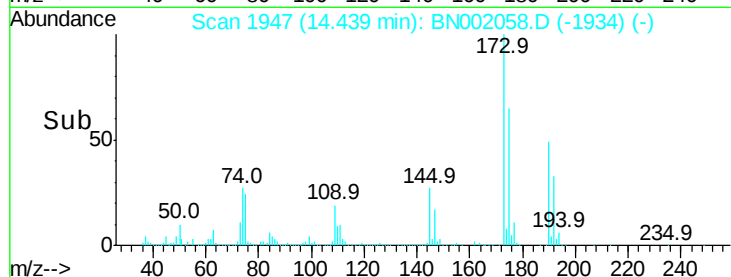
65 1.4 89.4 134.2#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC



#55

2,3,4,6-Tetrachlorophenol

Concen: 3.180 ng/ul

RT: 14.97 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BN002058.D

Acq: 16 Jul 2018 21:04

Tgt Ion:232 Resp: 58168

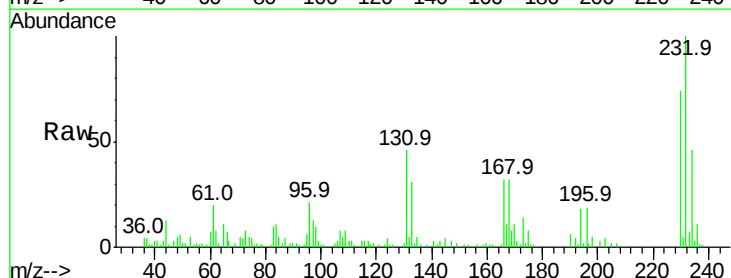
Ion Ratio Lower Upper

232 100

131 46.1 39.4 59.2

130 2.5 2.2 3.2

166 31.5 26.6 39.8

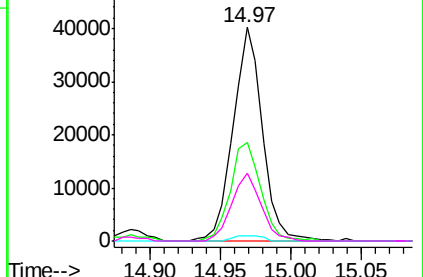
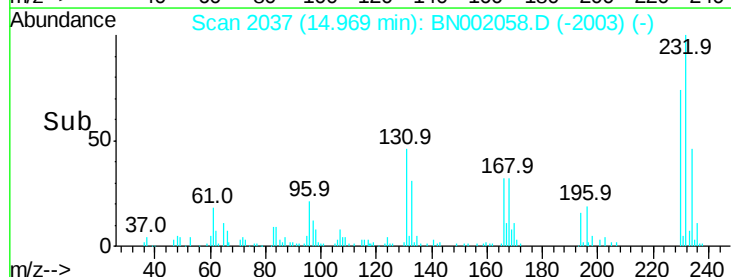


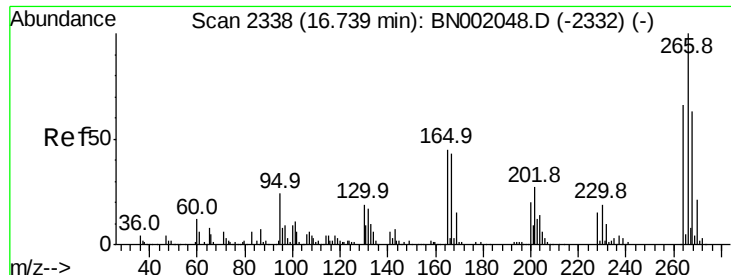
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

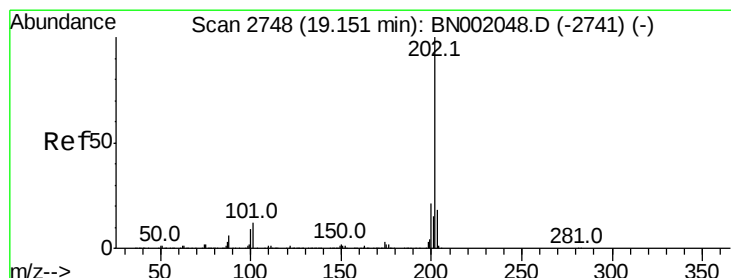
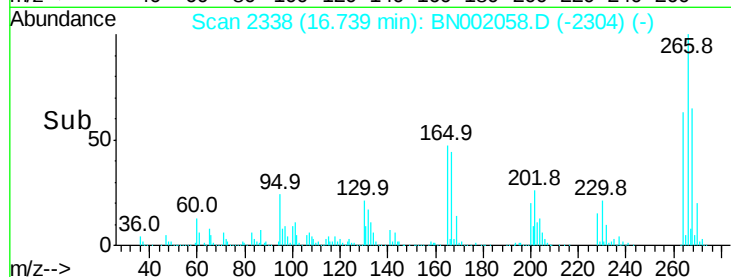
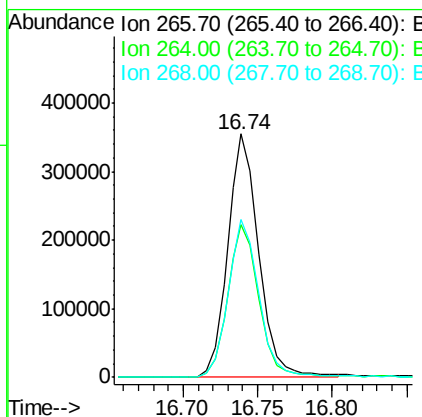
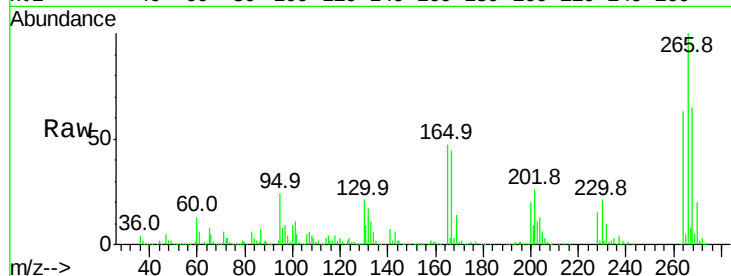




#68  
 Pentachlorophenol  
 Concen: 36.662 ng/ul  
 RT: 16.74 min Scan# 2338  
 Delta R.T. -0.00 min  
 Lab File: BN002058.D  
 Acq: 16 Jul 2018 21:04

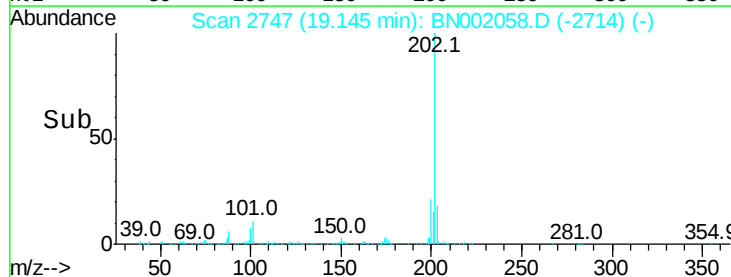
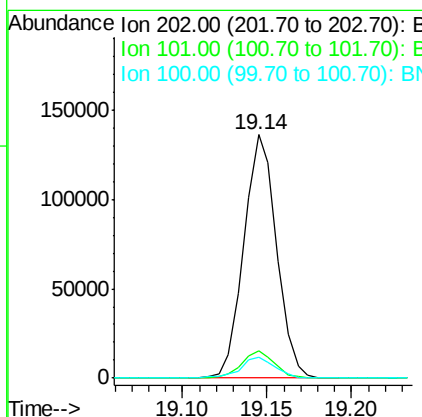
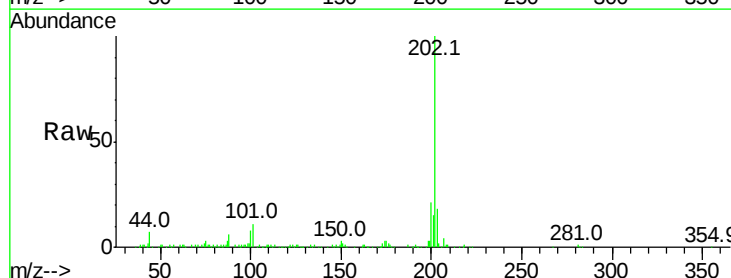
Instrument :  
 BNA\_N  
 ClientSampled :

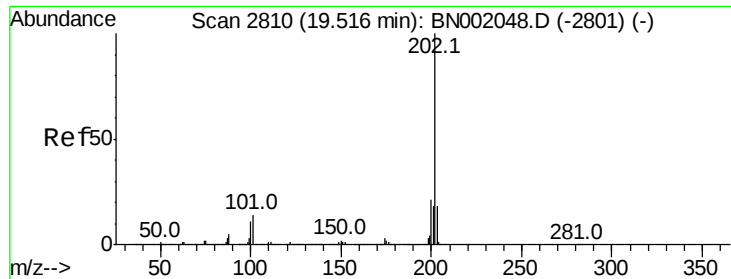
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.9  | 50.5  | 75.7  |
| 268     | 64.7  | 50.9  | 76.3  |



#76  
 Fluoranthene  
 Concen: 1.521 ng/ul  
 RT: 19.14 min Scan# 2747  
 Delta R.T. -0.01 min  
 Lab File: BN002058.D  
 Acq: 16 Jul 2018 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.2  | 8.8   | 13.2  |
| 100     | 8.4   | 6.6   | 9.8   |

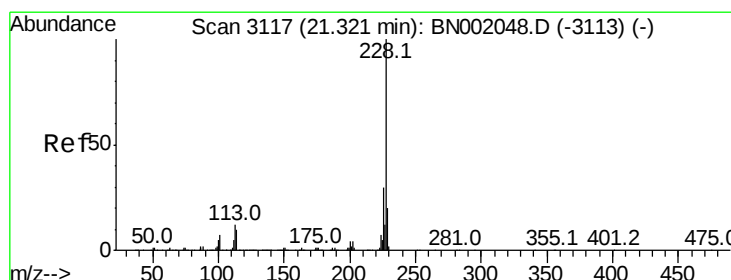
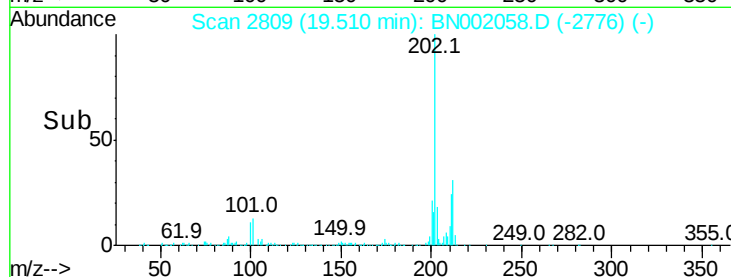
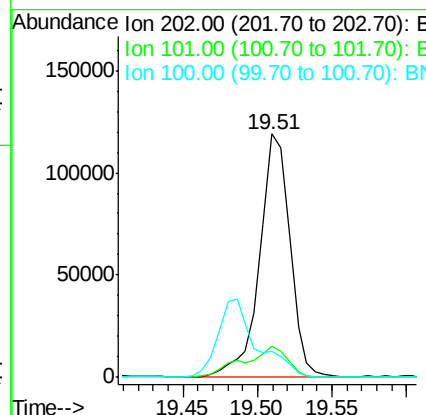
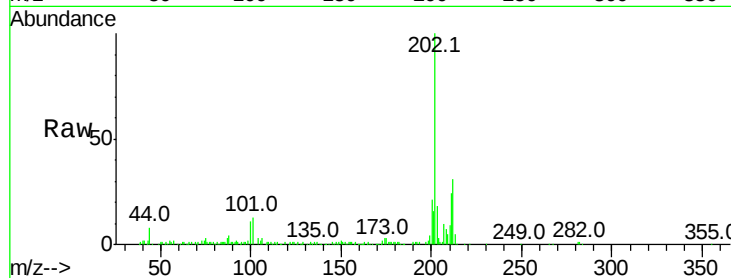




#79  
Pvrene  
Concen: 1.239 ng/ul  
RT: 19.51 min Scan# 2809  
Delta R.T. -0.01 min  
Lab File: BN002058.D  
Acq: 16 Jul 2018 21:04

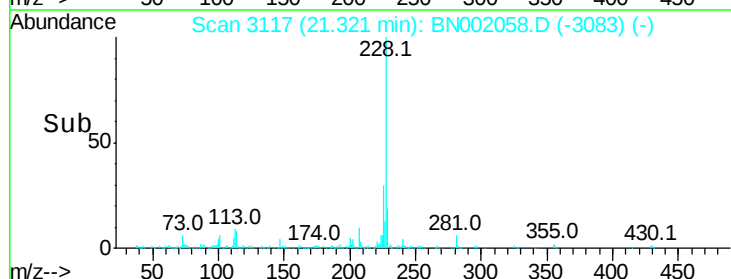
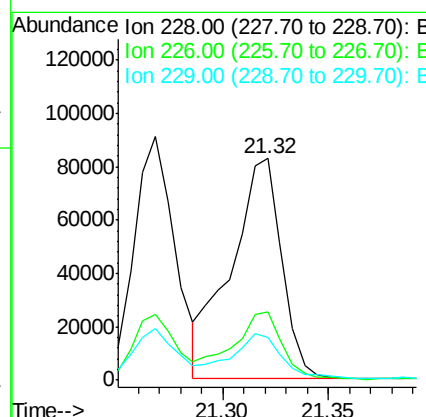
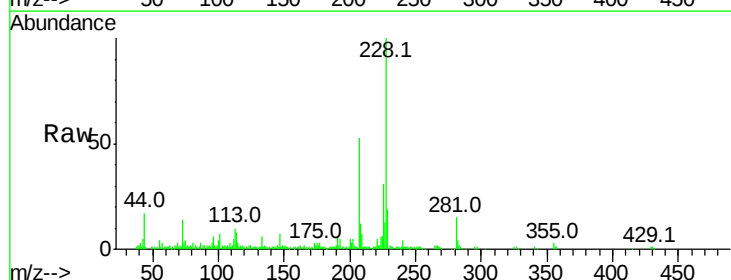
Instrument :  
BNA\_N  
ClientSampleId :

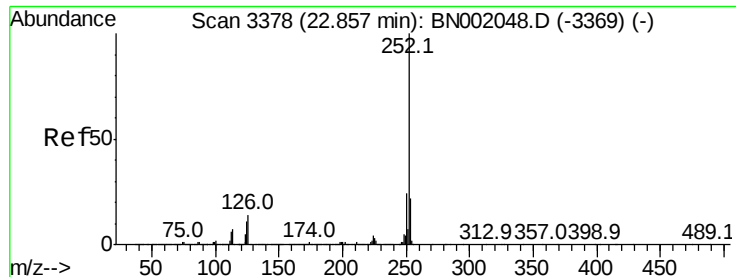
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.9  | 10.2  | 15.2  |
| 100     | 10.7  | 8.5   | 12.7  |



#84  
Chrysene  
Concen: 1.101 ng/ul  
RT: 21.32 min Scan# 3117  
Delta R.T. -0.00 min  
Lab File: BN002058.D  
Acq: 16 Jul 2018 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.0  | 36.0  |
| 229     | 19.4  | 15.6  | 23.4  |

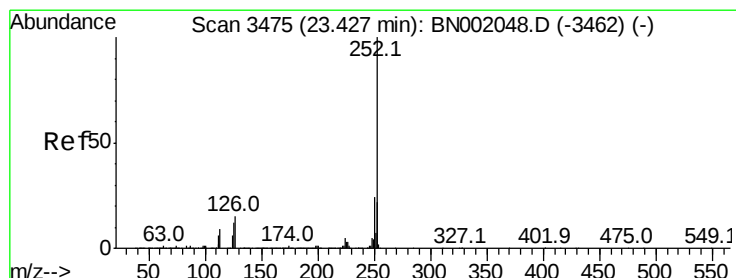
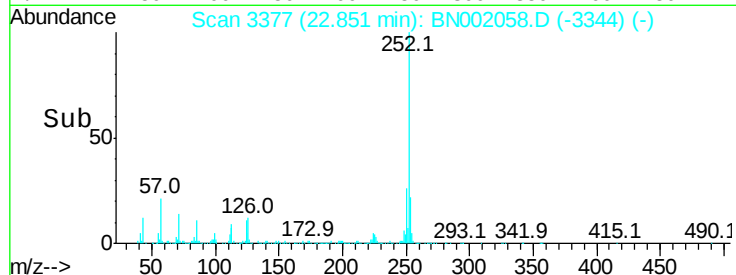
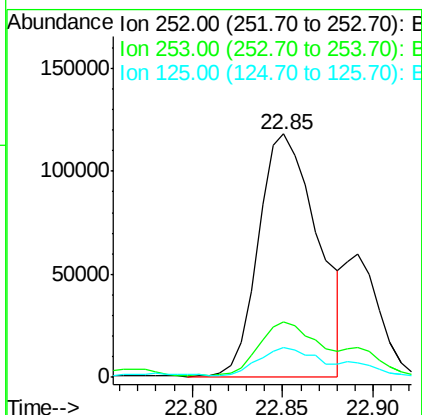
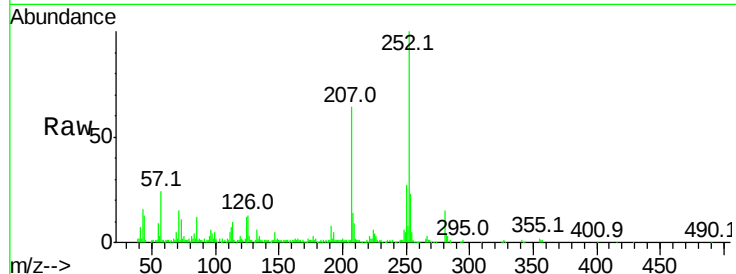




#87  
Benzo(b)fluoranthene  
Concen: 2.085 ng/ul  
RT: 22.85 min Scan# 3377  
Delta R.T. -0.01 min  
Lab File: BN002058.D  
Acq: 16 Jul 2018 21:04

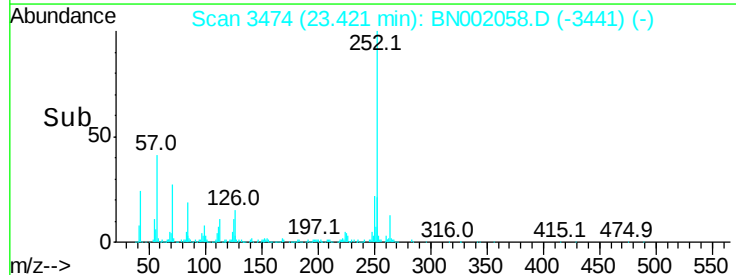
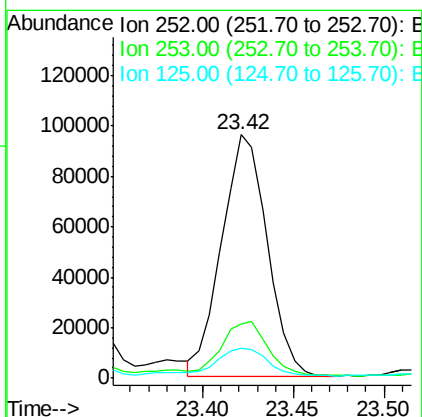
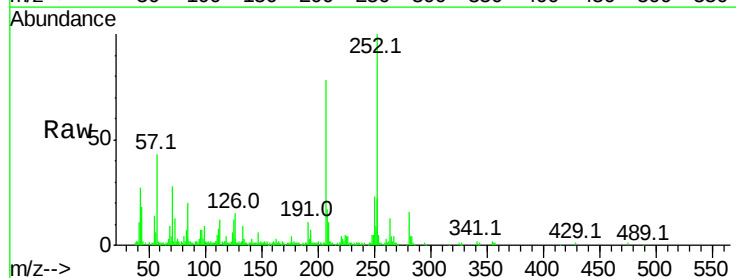
Instrument :  
BNA\_N  
ClientSampleId :

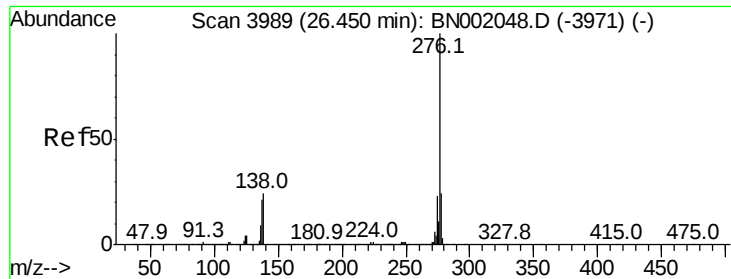
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.5  | 26.3  |
| 125     | 12.1  | 8.5   | 12.7  |



#90  
Benzo(a)pyrene  
Concen: 1.378 ng/ul  
RT: 23.42 min Scan# 3474  
Delta R.T. -0.01 min  
Lab File: BN002058.D  
Acq: 16 Jul 2018 21:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.2  | 25.8  |
| 125     | 12.3  | 9.0   | 13.6  |





#93

Benzo(a,h,i)perylene

Concen: 1.038 ng/ul

RT: 26.44 min Scan# 3987

Delta R.T. -0.01 min

Lab File: BN002058.D

Acq: 16 Jul 2018 21:04

Instrument :

BNA\_N

ClientSampleId :

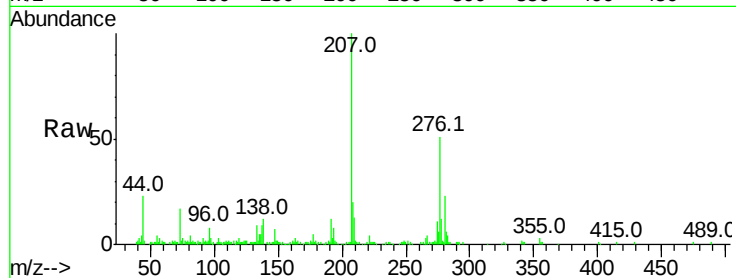
Tot Ion:276 Resp: 122406

Ion Ratio Lower Upper

276 100

138 23.9 18.9 28.3

277 22.9 19.2 28.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

