

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071318\  
 Data File : BN002039.D  
 Acq On : 13 Jul 2018 18:06  
 Operator : JU/SJ  
 Sample : J3847-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0846

Quant Time: Jul 17 10:45:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 14 00:59:47 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 282736   | 20.00 | ng/ul | 0.04     |
| 18) Naphthalene-d8        | 10.50 | 136  | 1944761  | 20.00 | ng/ul | 0.02     |
| 35) Acenaphthene-d10      | 14.34 | 164  | 1148478  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2692395  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.29 | 240  | 2978520  | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.53 | 264  | 2897130  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 62162   | 9.92  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.89  | 99  | 293463  | 11.02 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 909676  | 56.08 | ng/ul | 0.04  |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 934814  | 44.45 | ng/ul | 0.01  |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 546195  | 25.47 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 598431  | 37.14 | ng/ul | 0.02  |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 678444  | 37.25 | ng/ul | 0.01  |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 1052082 | 31.90 | ng/ul | 0.01  |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 2297    | 0.06  | ng/ul | 0.02  |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 3698734 | 37.99 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 4400472 | 36.34 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 147135  | 7.91  | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.33 | 176 | 3175689 | 37.93 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 650218  | 37.08 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.19 | 188 | 5053263 | 38.49 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.49 | 212 | 5730373 | 37.01 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.39 | 264 | 6067808 | 38.79 | ng/ul | -0.02 |

## Target Compounds

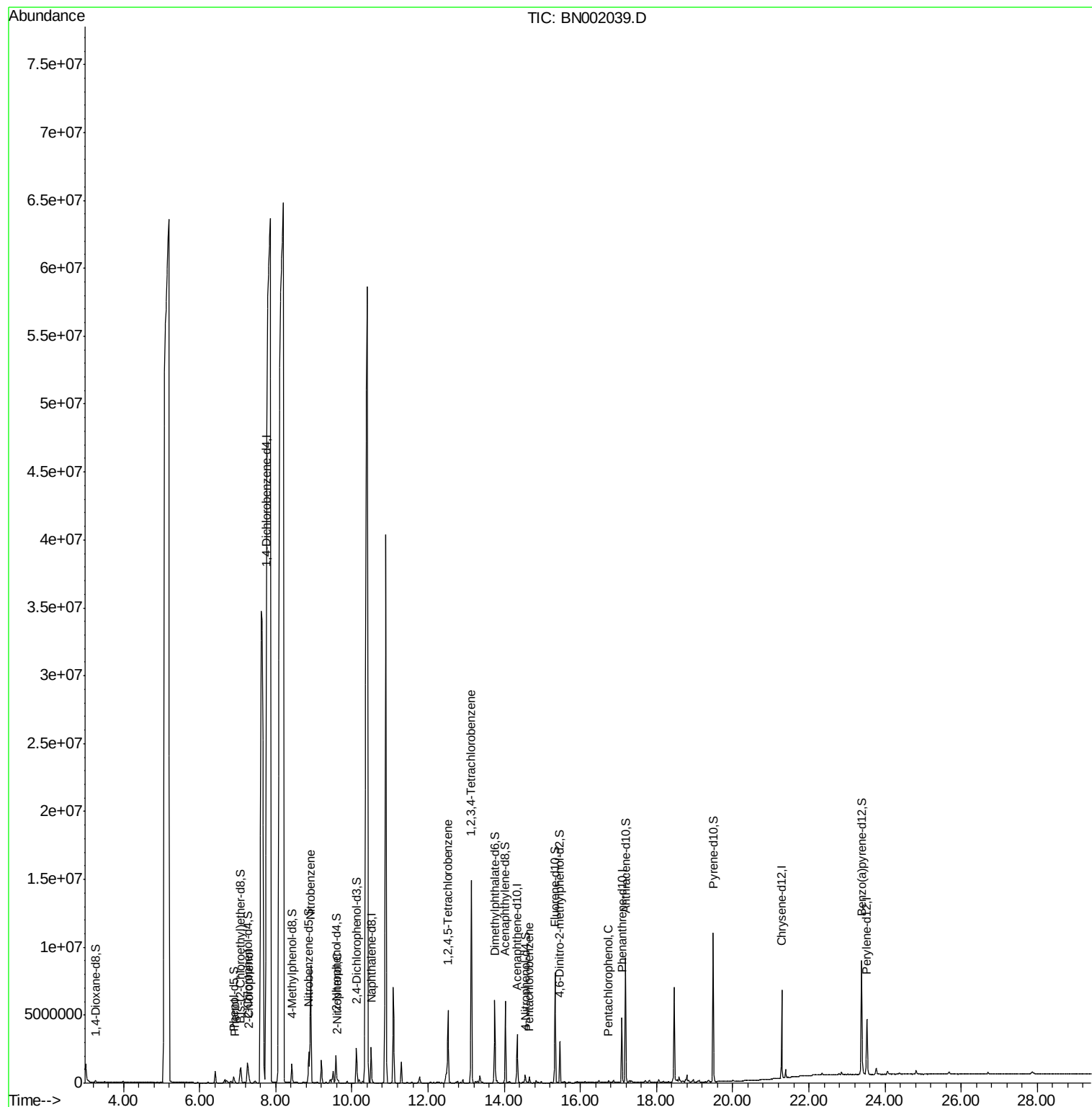
|                                |       |     |         |         | Ovalue    |
|--------------------------------|-------|-----|---------|---------|-----------|
| 6) Phenol                      | 6.92  | 94  | 39833   | 1.490   | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.29  | 128 | 235909  | 11.246  | ng/ul# 88 |
| 20) Nitrobenzene               | 8.92  | 77  | 4793555 | 129.262 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.61  | 139 | 65196   | 3.494   | ng/ul# 88 |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 1863173 | 50.031  | ng/ul 99  |
| 68) Pentachlorophenol          | 16.74 | 266 | 26589   | 1.426   | ng/ul 94  |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.14 | 216 | 4799260 | 119.545 | ng/uL 99  |
| 73) Pentachlorobenzene         | 14.66 | 250 | 121125  | 3.225   | ng/uL 100 |

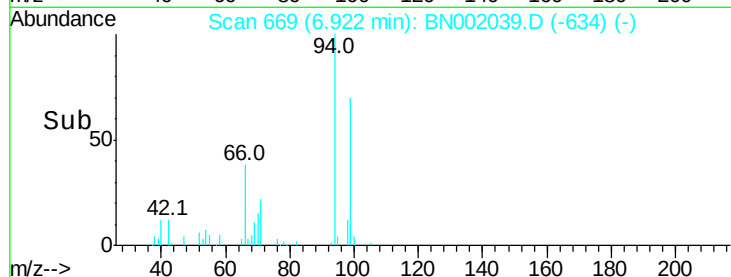
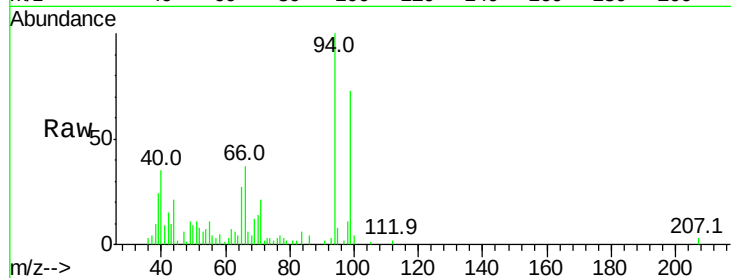
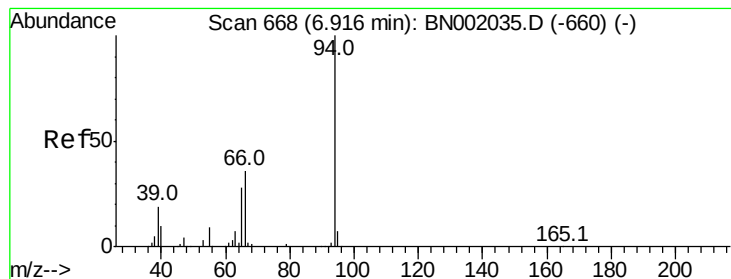
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 14 00:59:47 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 1.490 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002039.D

Acq: 13 Jul 2018 18:06

Instrument :

BNA\_N

ClientSampleId :

C0846

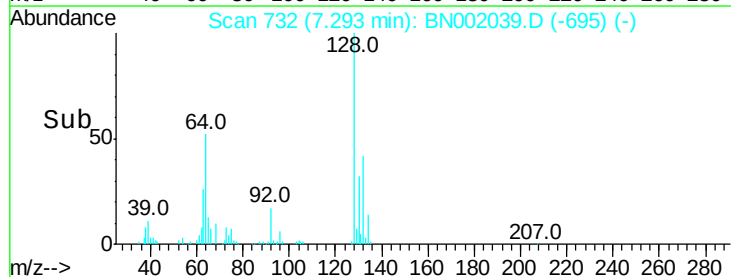
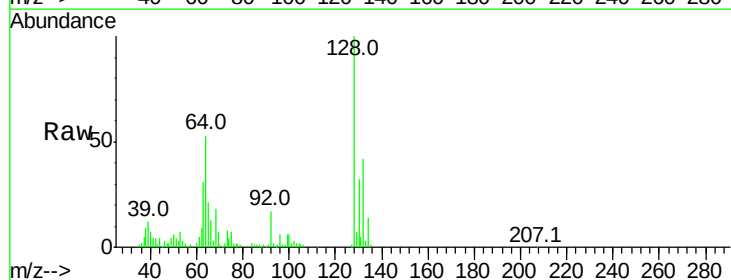
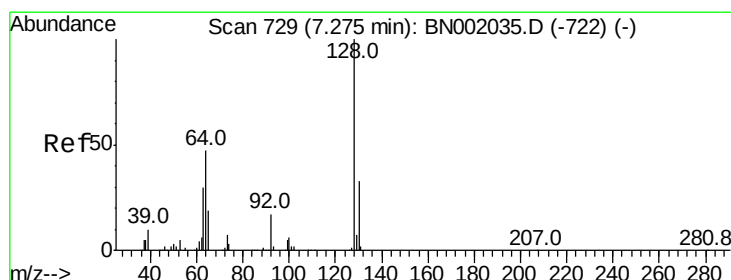
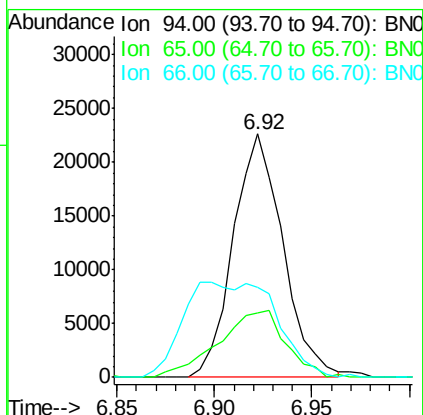
Tot Ion: 94 Resp: 39833

Ion Ratio Lower Upper

94 100

65 26.6 21.0 31.6

66 36.9 29.3 43.9



#10

2-Chlorophenol

Concen: 11.246 ng/ul

RT: 7.29 min Scan# 732

Delta R.T. 0.02 min

Lab File: BN002039.D

Acq: 13 Jul 2018 18:06

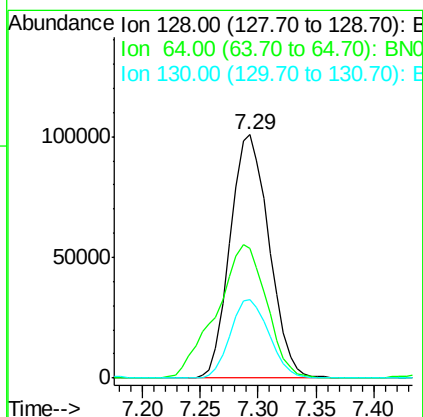
Tgt Ion:128 Resp: 235909

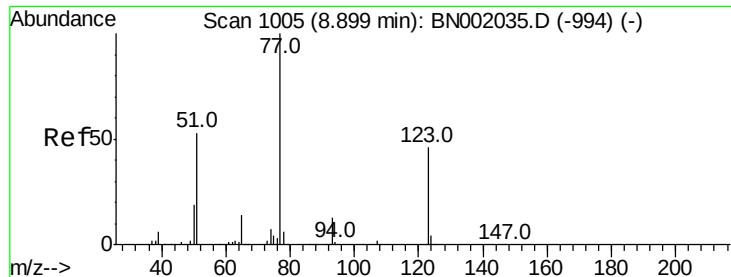
Ion Ratio Lower Upper

128 100

64 53.1 31.9 47.9#

130 32.4 25.6 38.4

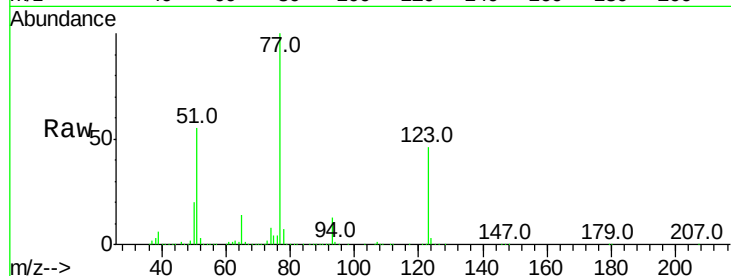




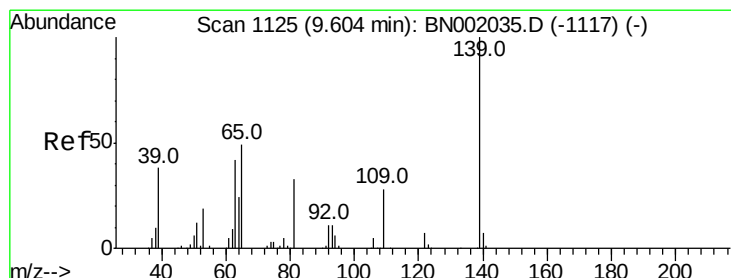
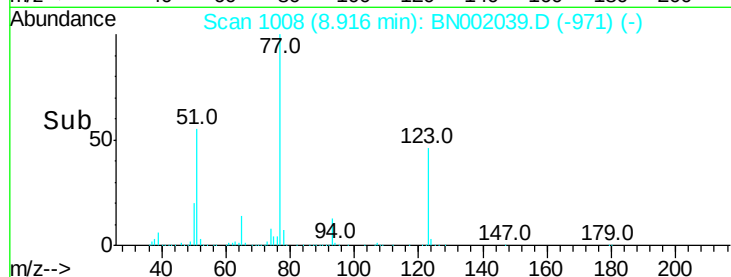
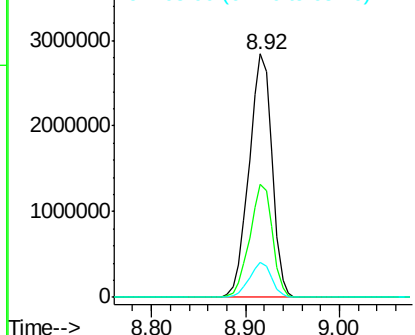
#20  
Nitrobenzene  
Concen: 129.262 ng/ul  
RT: 8.92 min Scan# 1008  
Delta R.T. 0.02 min  
Lab File: BN002039.D  
Acq: 13 Jul 2018 18:06

Instrument :  
BNA\_N  
ClientSampled :  
C0846

Tot Ion: 77 Resp: 4793555  
Ion Ratio Lower Upper  
77 100  
123 46.4 39.0 58.4  
65 14.2 10.4 15.6

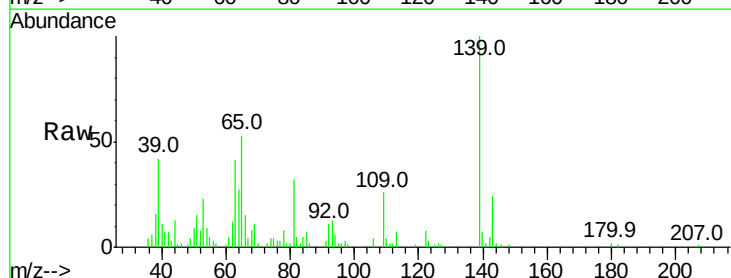


Abundance Ion 77.00 (76.70 to 77.70): BN0  
Ion 123.00 (122.70 to 123.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0

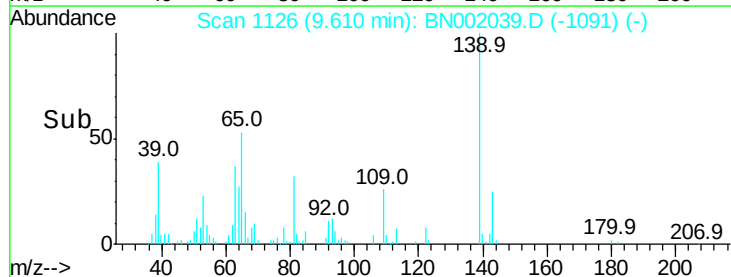
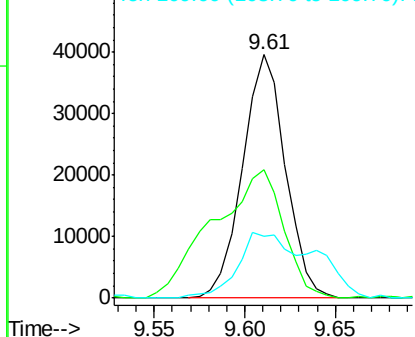


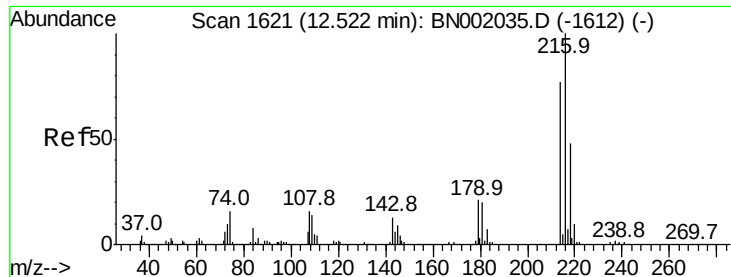
#23  
2-Nitrophenol  
Concen: 3.494 ng/ul  
RT: 9.61 min Scan# 1126  
Delta R.T. 0.01 min  
Lab File: BN002039.D  
Acq: 13 Jul 2018 18:06

Tgt Ion: 139 Resp: 65196  
Ion Ratio Lower Upper  
139 100  
65 52.7 36.3 54.5  
109 25.5 26.4 39.6#



Abundance Ion 139.00 (138.70 to 139.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0  
Ion 109.00 (108.70 to 109.70): BN0



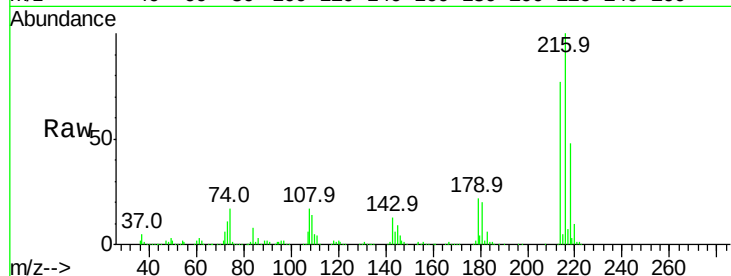


#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 50.031 ng/ul  
 RT: 12.52 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: BN002039.D  
 Acq: 13 Jul 2018 18:06

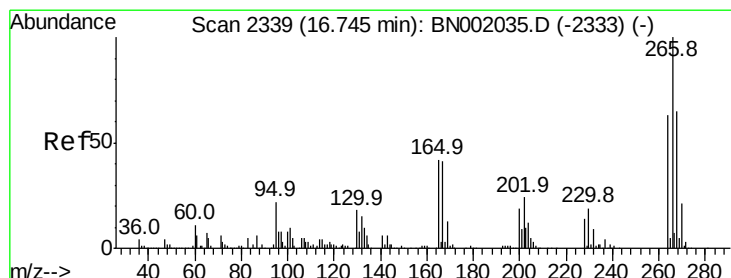
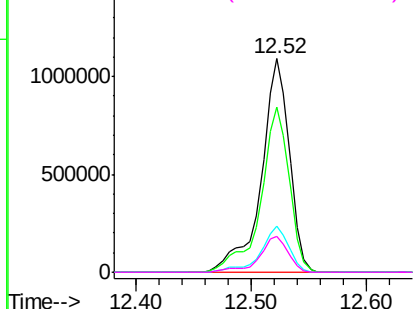
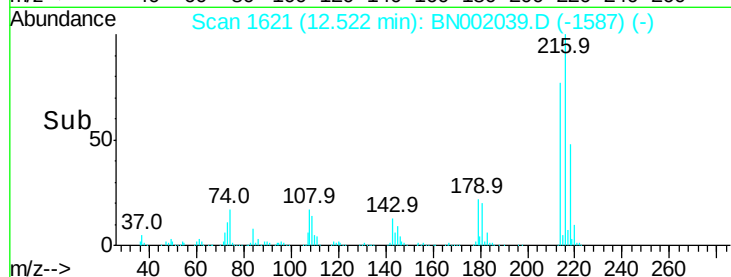
Instrument :  
 BNA\_N  
 ClientSampleId :  
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Tot Ion:216 Resp: 1863173  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 77.3  | 62.5  | 93.7  |
| 179 | 21.6  | 18.2  | 27.2  |
| 108 | 16.9  | 14.2  | 21.2  |



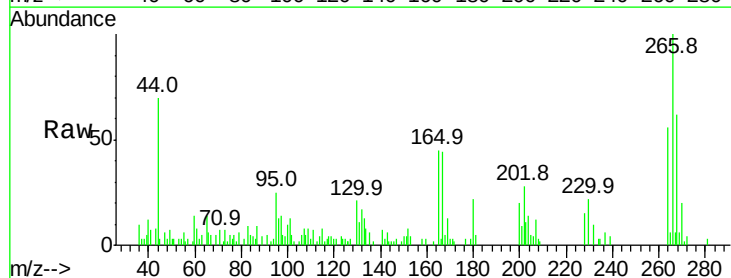
Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E



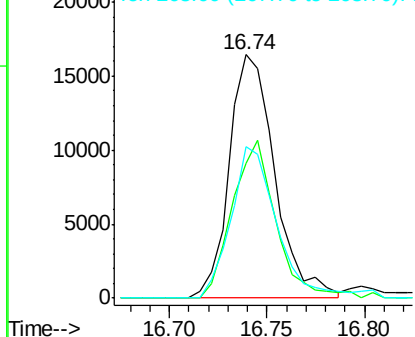
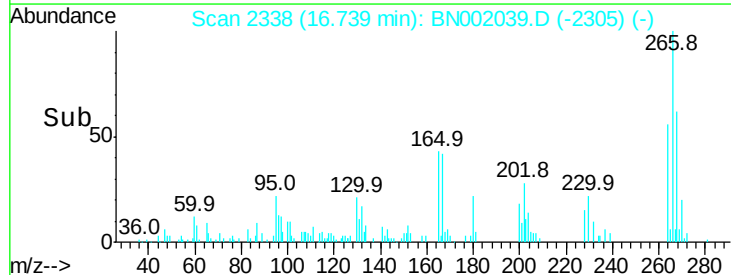
#68  
 Pentachlorophenol  
 Concen: 1.426 ng/ul  
 RT: 16.74 min Scan# 2338  
 Delta R.T. -0.01 min  
 Lab File: BN002039.D  
 Acq: 13 Jul 2018 18:06

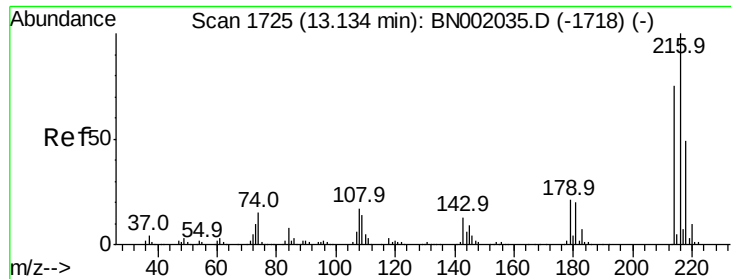
Tgt Ion:266 Resp: 26589  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 264 | 55.6  | 50.5  | 75.7  |
| 268 | 62.1  | 50.9  | 76.3  |



Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E





#72

1,2,3,4-Tetrachlorobenzene

Concen: 119.545 ng/uL

RT: 13.14 min Scan# 1726

Delta R.T. 0.01 min

Lab File: BN002039.D

Acq: 13 Jul 2018 18:06

Instrument :

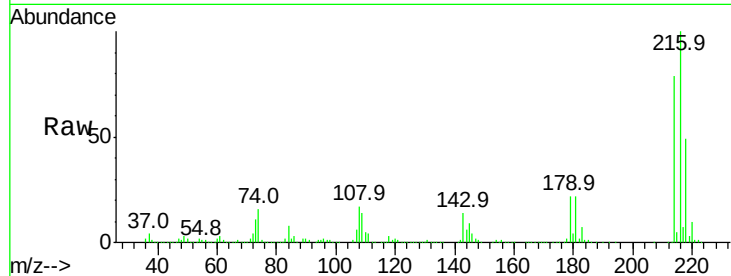
BNA\_N

ClientSampleId :

C0846

Tot Ion:216 Resp: 4799260

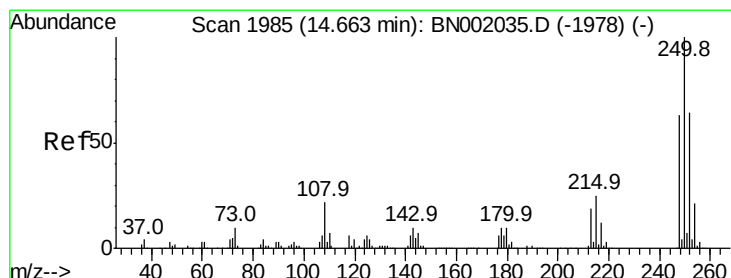
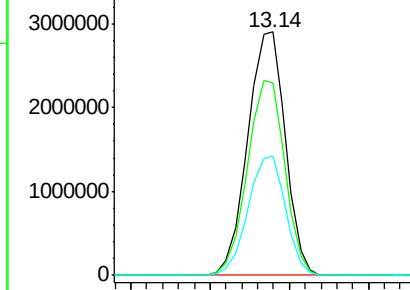
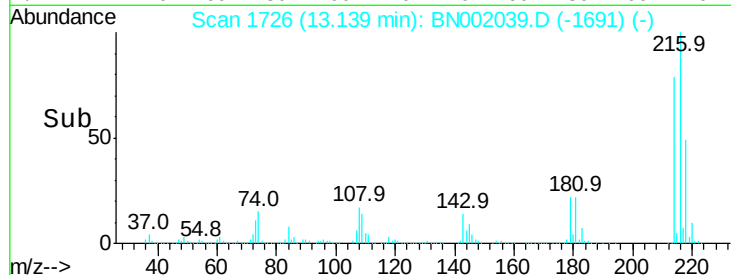
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.3  | 62.5  | 93.7  |
| 218 | 49.1  | 38.4  | 57.6  |



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#73

Pentachlorobenzene

Concen: 3.225 ng/uL

RT: 14.66 min Scan# 1984

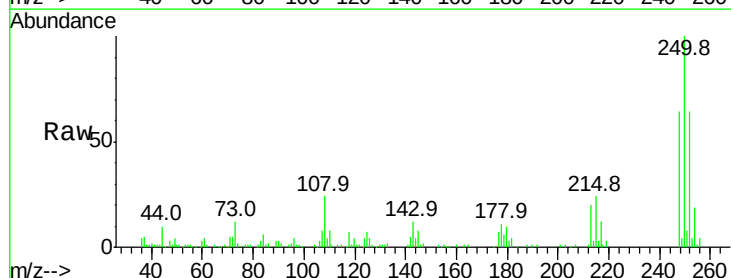
Delta R.T. -0.01 min

Lab File: BN002039.D

Acq: 13 Jul 2018 18:06

Tgt Ion:250 Resp: 121125

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 250 | 100   |       |       |
| 248 | 63.6  | 50.6  | 75.8  |
| 252 | 64.1  | 51.4  | 77.0  |



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

