

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN022719\  
 Data File : BN004526.D  
 Acq On : 27 Feb 2019 15:10  
 Operator : JU/SJ  
 Sample : K1623-01DL 5X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C09R3DL

Quant Time: Feb 28 05:05:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 28 05:03:28 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 30658    | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.52 | 136  | 134175   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.37 | 164  | 90517    | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.12 | 188  | 220996   | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.32 | 240  | 251641   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.59 | 264  | 319017   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96   | 0        | 0.00 | ng/uL |          |
| 5) Phenol-d5                   | 6.89  | 99   | 2762     | 1.01 | ng/ul | -0.02    |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67   | 7566     | 5.52 | ng/ul | -0.02    |
| 9) 2-Chlorophenol-d4           | 7.26  | 132  | 10157    | 4.58 | ng/ul | -0.02    |
| 13) 4-Methylphenol-d8          | 8.42  | 113  | 5480     | 2.33 | ng/ul | -0.02    |
| 19) Nitrobenzene-d5            | 8.89  | 128  | 5811     | 6.54 | ng/ul | -0.01    |
| 22) 2-Nitrophenol-d4           | 9.60  | 143  | 6242     | 6.73 | ng/ul | -0.02    |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165  | 11379    | 5.41 | ng/ul | -0.01    |
| 29) 4-Chloroaniline-d4         | 0.00  | 131  | 0        | 0.00 | ng/ul |          |
| 44) Dimethylphthalate-d6       | 13.78 | 166  | 55662    | 7.25 | ng/ul | -0.02    |
| 47) Acenaphthylene-d8          | 14.06 | 160  | 59765    | 6.57 | ng/ul | -0.02    |
| 52) 4-Nitrophenol-d4           | 14.56 | 143  | 1091     | 0.74 | ng/ul | -0.02    |
| 58) Fluorene-d10               | 15.37 | 176  | 48517    | 7.18 | ng/ul | -0.01    |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 200  | 6126     | 4.75 | ng/ul | -0.01    |
| 71) Anthracene-d10             | 17.22 | 188  | 78137    | 7.38 | ng/ul | -0.01    |
| 79) Pyrene-d10                 | 19.52 | 212  | 81404    | 7.22 | ng/ul | -0.01    |
| 90) Benzo(a)pyrene-d12         | 23.44 | 264  | 116916   | 6.98 | ng/ul | -0.01    |

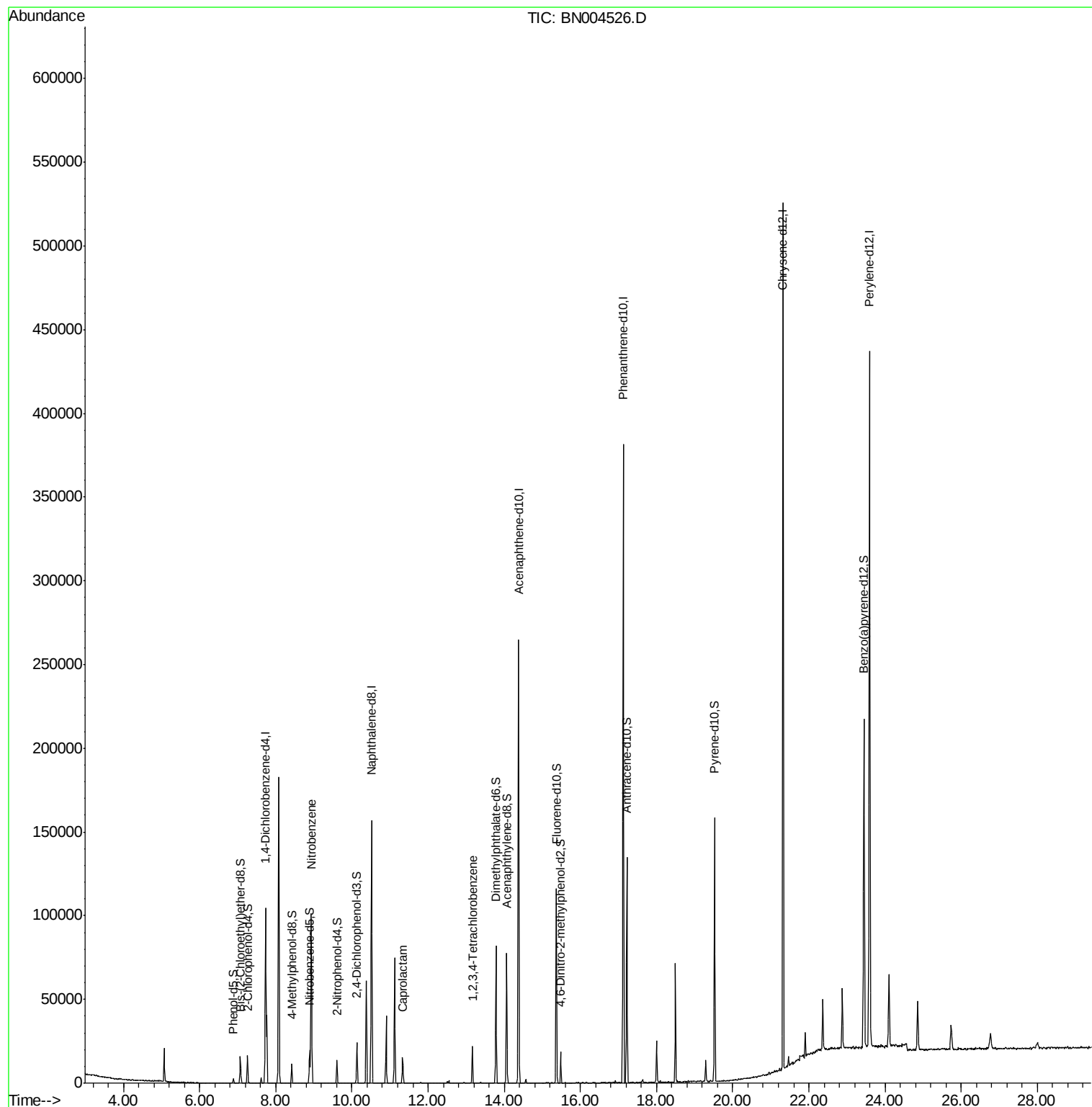
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 20) Nitrobenzene               | 8.93  | 77   | 55204    | 28.406 | ng/ul  | 99     |
| 32) Caprolactam                | 11.34 | 113  | 1282     | 1.829  | ng/ul# | 1      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.16 | 216  | 8473     | 2.795  | ng/uL  | 96     |

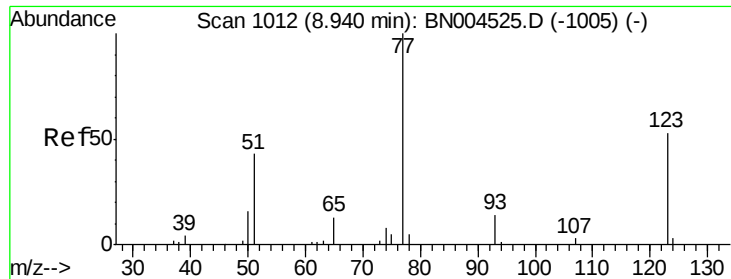
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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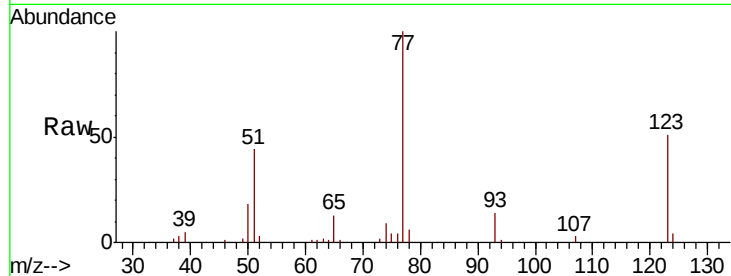




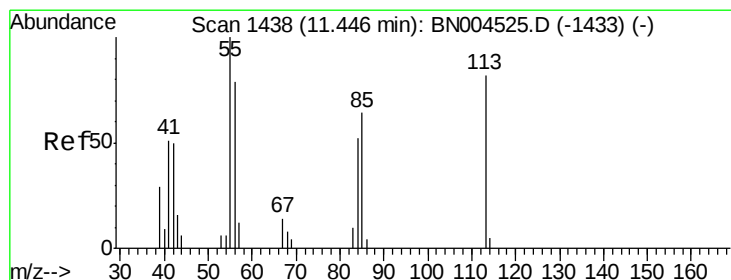
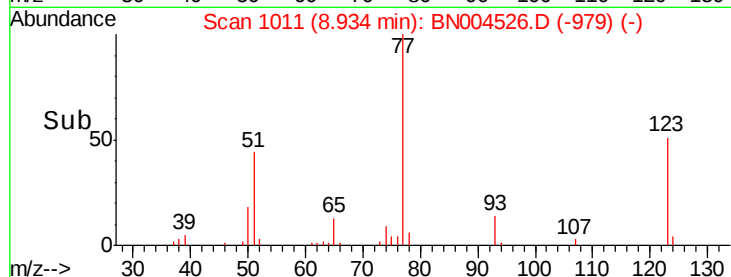
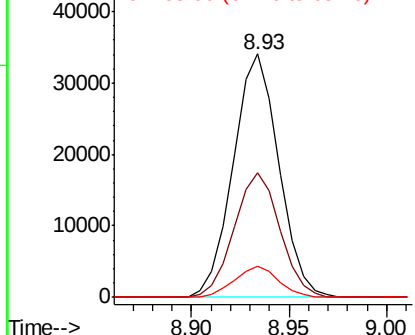
#20  
Nitrobenzene  
Concen: 28.406 ng/ul  
RT: 8.93 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BN004526.D  
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Tgt Ion: 77 Resp: 55204  
Ion Ratio Lower Upper  
77 100  
123 51.4 41.6 62.4  
65 12.7 10.2 15.4

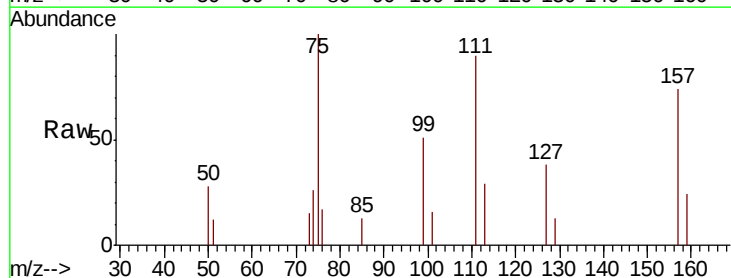


Abundance Ion 77.00 (76.70 to 77.70): BN0  
Ion 123.00 (122.70 to 123.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0

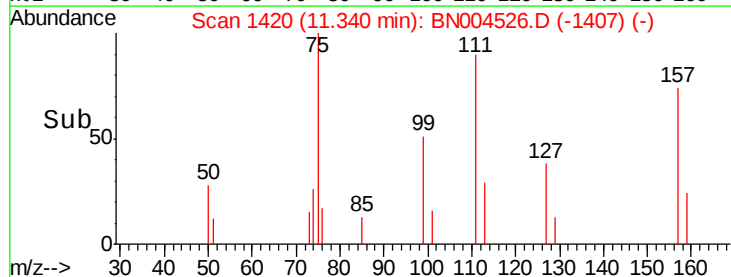
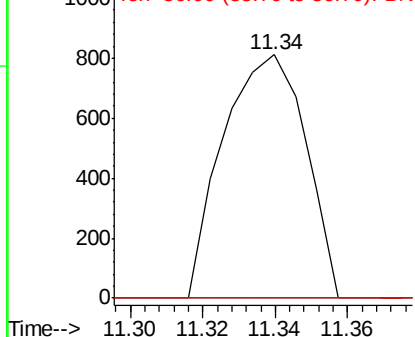


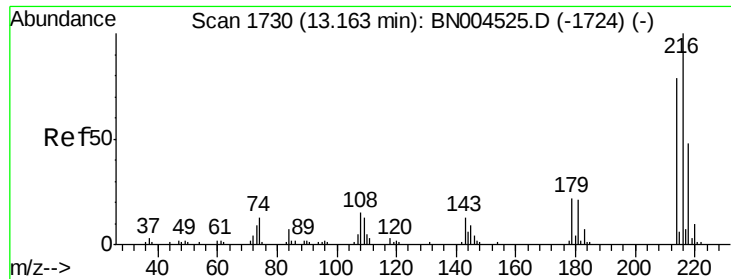
#32  
Caprolactam  
Concen: 1.829 ng/ul  
RT: 11.34 min Scan# 1420  
Delta R.T. -0.12 min  
Lab File: BN004526.D  
Acq: 27 Feb 2019 15:10

Tgt Ion: 113 Resp: 1282  
Ion Ratio Lower Upper  
113 100  
55 0.0 100.7 151.1#  
56 0.0 76.1 114.1#



Abundance Ion 113.00 (112.70 to 113.70): BN0  
Ion 55.00 (54.70 to 55.70): BN0  
Ion 56.00 (55.70 to 56.70): BN0

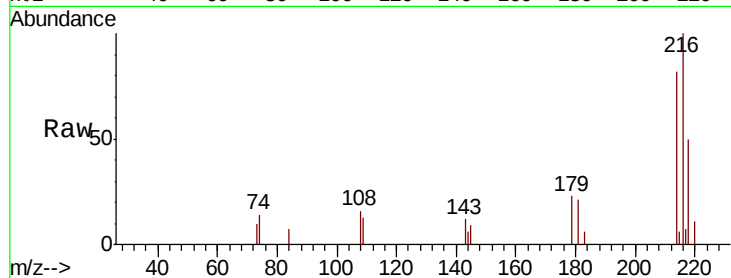




#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 2.795 ng/uL  
 RT: 13.16 min Scan# 1730  
 Delta R.T. -0.01 min  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 81.8  | 61.9  | 92.9  |
| 218     | 49.8  | 38.7  | 58.1  |



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

