

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112719\  
 Data File : BN008802.D  
 Acq On : 28 Nov 2019 17:45  
 Operator : JU  
 Sample : K5815-03MSD  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5460MSD

Manual Integrations  
 APPROVED

mohammad  
 11/29/2019 8:54:21 AM

Quant Time: Nov 29 04:21:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN112719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 27 15:51:44 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 118736   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 569905   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.21 | 164  | 404357   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.95 | 188  | 999465   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.16 | 240  | 1239968  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.31 | 264  | 1890641  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 15513m  | 5.71  | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.78  | 99  | 91772   | 7.53  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 226887  | 30.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 221890  | 26.12 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 162187  | 16.81 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 139260  | 31.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 153365  | 32.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 268248  | 28.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.48 | 131 | 27163   | 2.26  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.63 | 166 | 1082952 | 33.62 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 1191527 | 33.48 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.42 | 143 | 48158   | 7.37  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.20 | 176 | 940920  | 34.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 150457  | 26.05 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.05 | 188 | 1659873 | 35.08 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.35 | 212 | 2149633 | 31.08 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.18 | 264 | 3362047 | 34.08 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue   |
|--------------------------------|-------|-----|---------|--------|----------|
| 6) Phenol                      | 6.80  | 94  | 108508  | 8.587  | ng/ul 96 |
| 10) 2-Chlorophenol             | 7.16  | 128 | 223852  | 25.695 | ng/ul 96 |
| 15) N-Nitroso-di-n-propylamine | 8.38  | 70  | 250699  | 30.745 | ng/ul 95 |
| 33) 4-Chloro-3-methylphenol    | 11.63 | 107 | 318370  | 26.930 | ng/ul 97 |
| 49) Acenaphthene               | 14.27 | 153 | 822452  | 32.022 | ng/ul 98 |
| 52) 4-Nitrophenol              | 14.43 | 109 | 39093   | 7.747  | ng/ul 98 |
| 54) 2,4-Dinitrotoluene         | 14.57 | 165 | 295128  | 32.040 | ng/ul 99 |
| 68) Pentachlorophenol          | 16.61 | 266 | 214945  | 30.719 | ng/ul 96 |
| 79) Pvrene                     | 19.38 | 202 | 2636334 | 30.353 | ng/ul 99 |

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

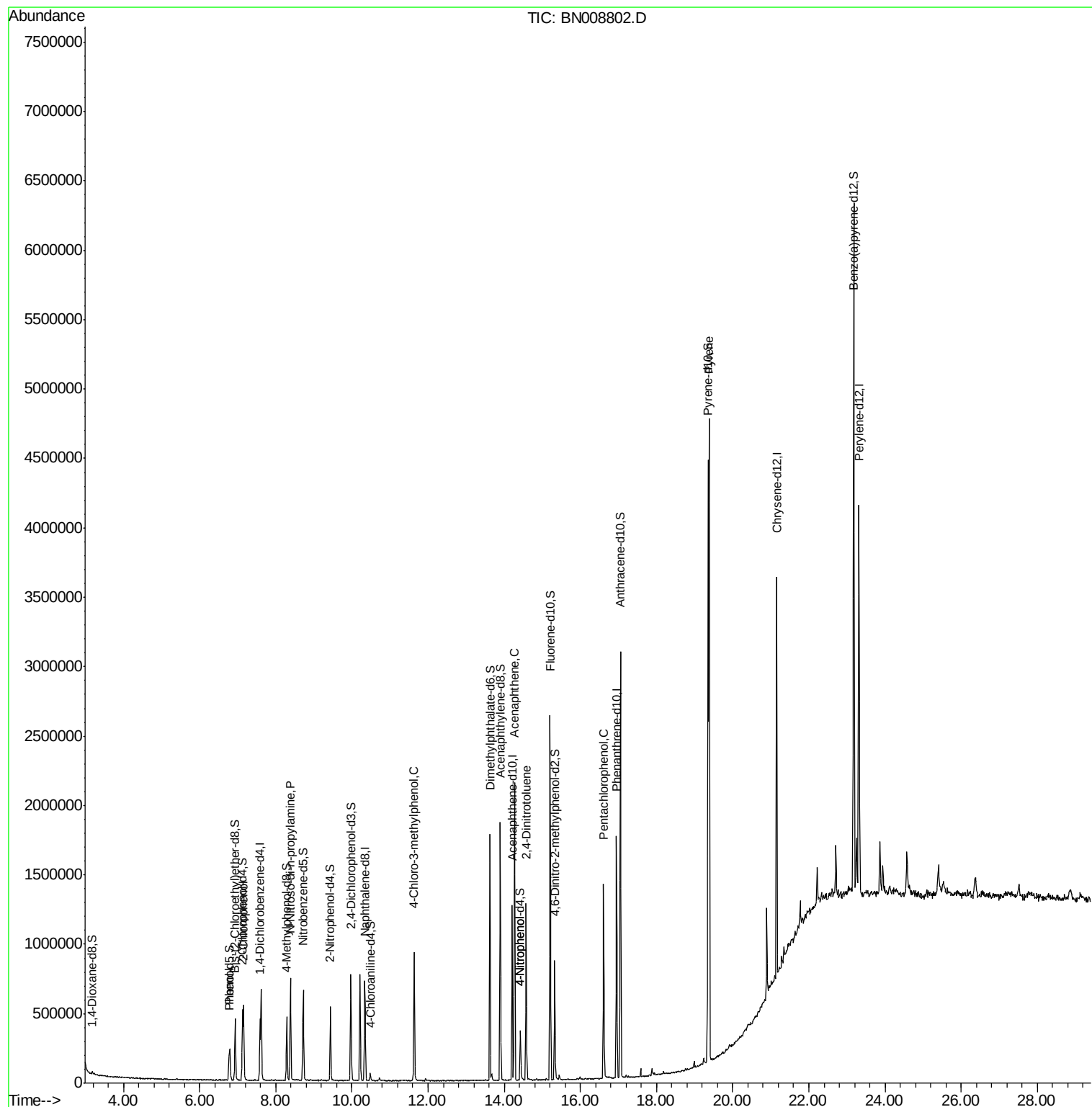
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112719\  
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Sample : K5815-03MSD  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

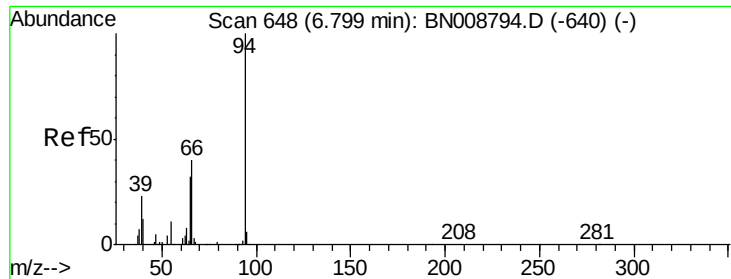
Instrument :  
BNA\_N  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN112719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 27 15:51:44 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 8.587 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. 0.00 min

Lab File: BN008802.D

Acq: 28 Nov 2019 17:45

Instrument :

BNA\_N

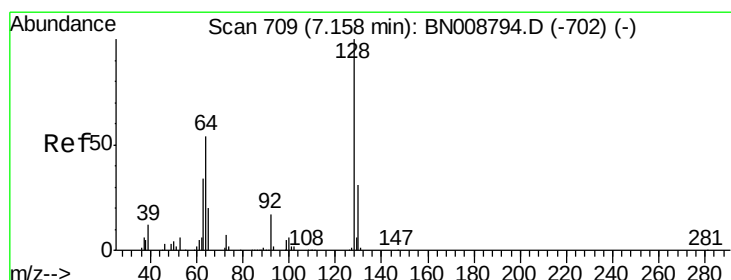
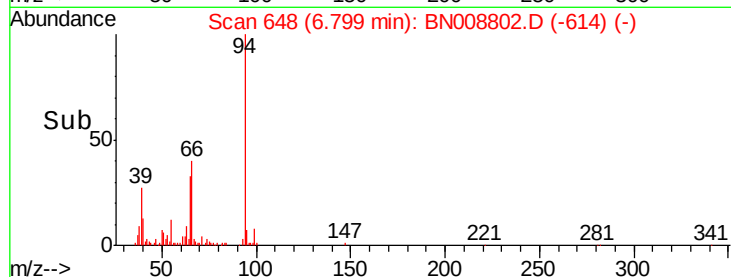
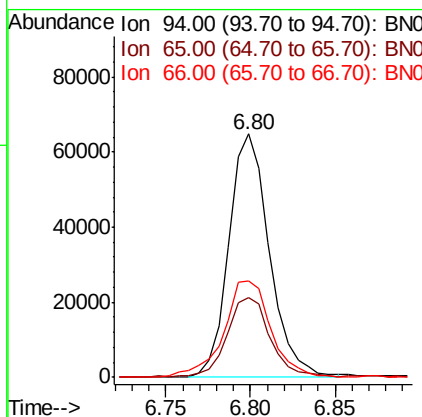
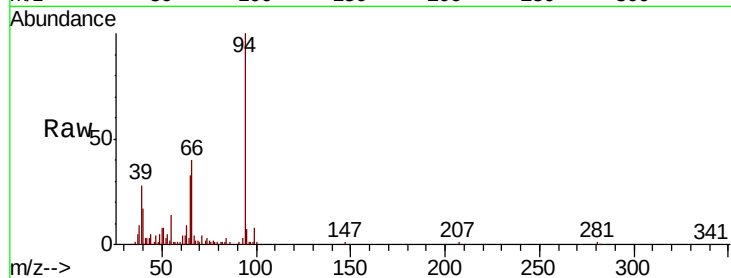
ClientSampleId :

A5460MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 94    | Resp: | 108508 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 32.9  | 25.4  | 38.0   |
| 66       | 39.5  | 34.2  | 51.4   |

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#10

2-Chlorophenol

Concen: 25.695 ng/ul

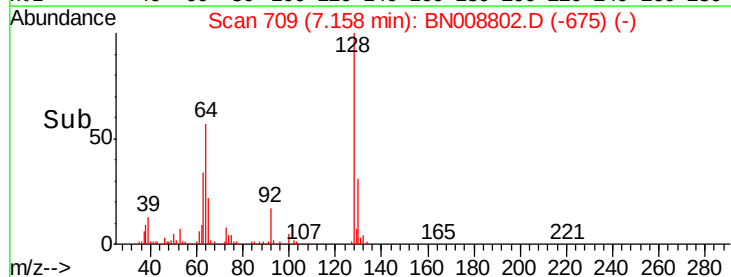
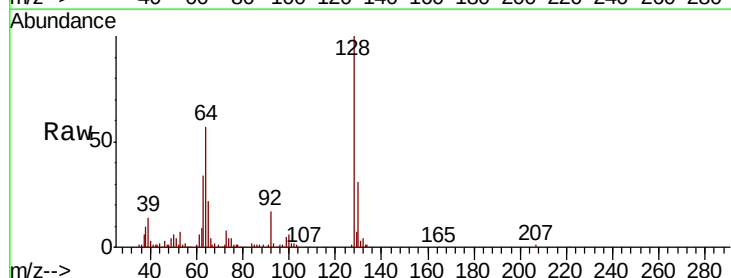
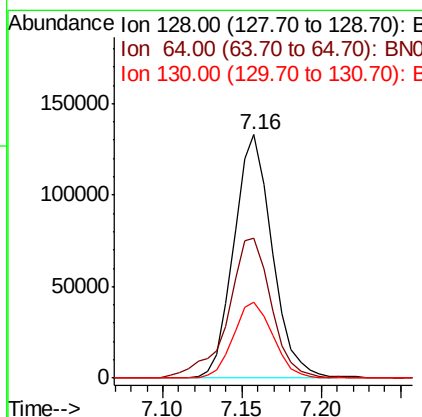
RT: 7.16 min Scan# 709

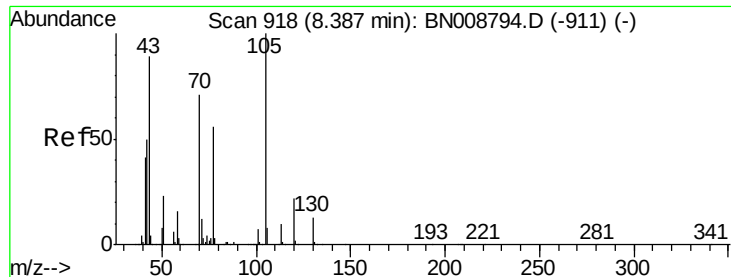
Delta R.T. 0.00 min

Lab File: BN008802.D

Acq: 28 Nov 2019 17:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 223852 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 64       | 57.3  | 48.9  | 73.3   |
| 130      | 31.0  | 25.7  | 38.5   |





#15

N-Nitroso-di-n-propylamine

Concen: 30.745 ng/ul

RT: 8.38 min Scan# 917

Delta R.T. -0.01 min

Lab File: BN008802.D

Acq: 28 Nov 2019 17:45

Instrument :

BNA\_N

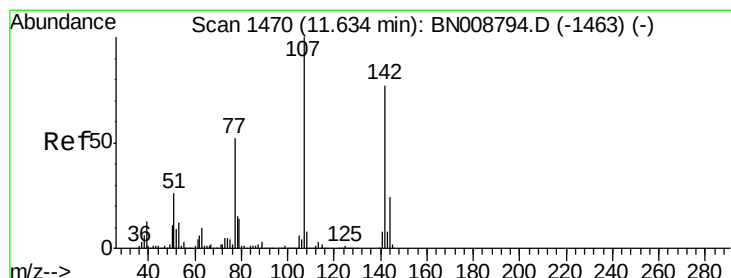
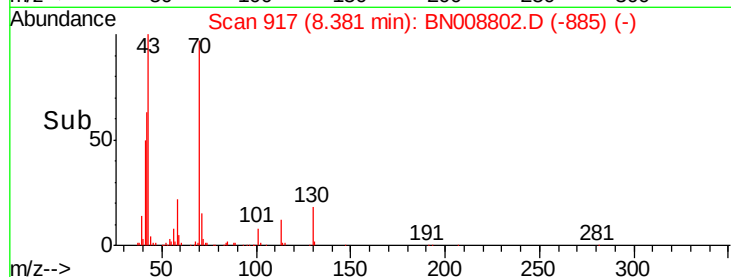
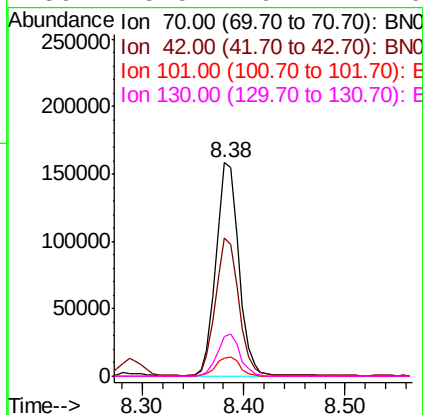
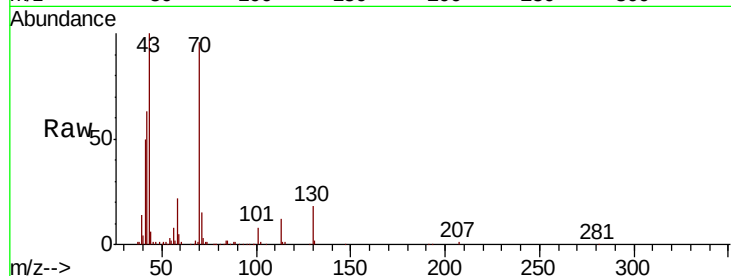
ClientSampleId :

A5460MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 250699 |       |       |
| 42      | 64.9 | 55.1  | 82.7   |       |       |
| 101     | 8.3  | 7.5   | 11.3   |       |       |
| 130     | 18.5 | 16.4  | 24.6   |       |       |

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#33

4-Chloro-3-methylphenol

Concen: 26.930 ng/ul

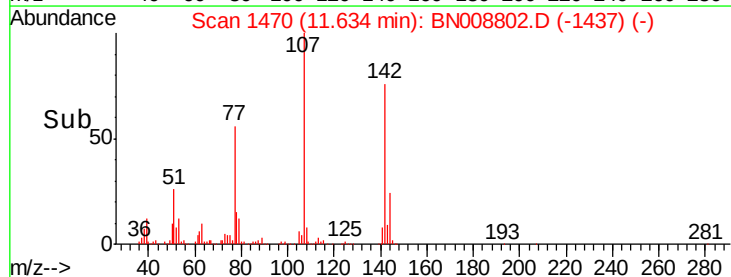
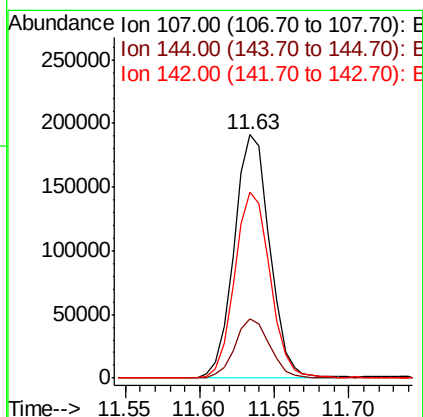
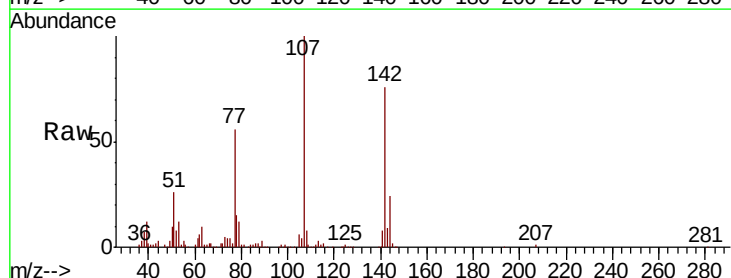
RT: 11.63 min Scan# 1470

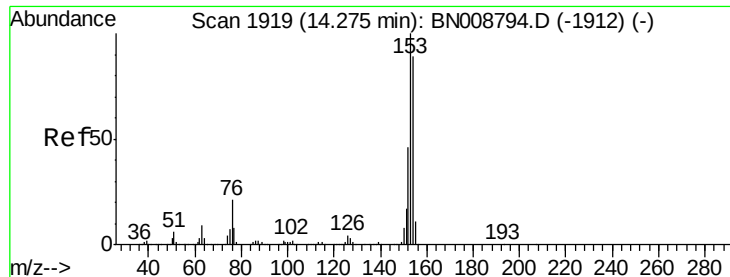
Delta R.T. -0.01 min

Lab File: BN008802.D

Acq: 28 Nov 2019 17:45

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 318370 |       |       |
| 144     | 24.3 | 19.5  | 29.3   |       |       |
| 142     | 76.2 | 58.6  | 87.8   |       |       |





#49

Acenaphthene

Concen: 32.022 ng/ul

RT: 14.27 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BN008802.D

Acq: 28 Nov 2019 17:45

Instrument :

BNA\_N

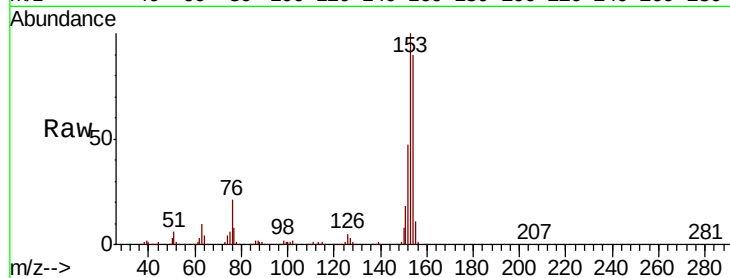
ClientSampleId :

A5460MSD

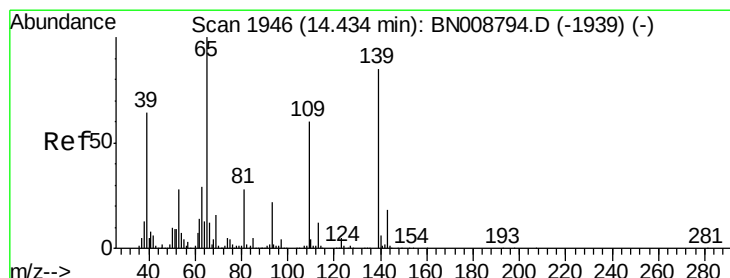
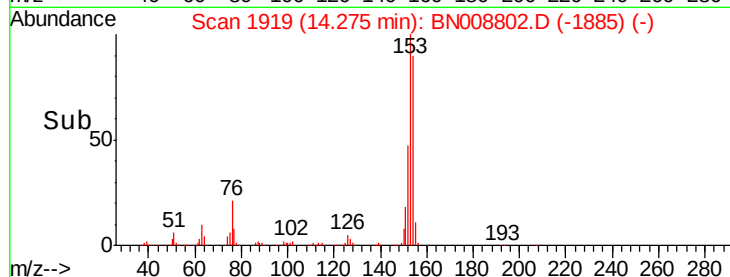
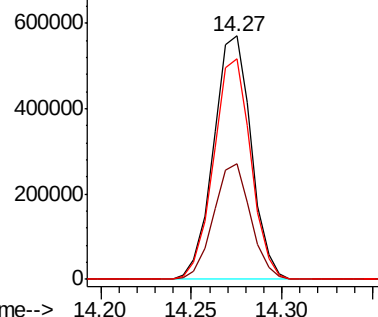
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 153   | Resp: | 822452 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 47.2  | 36.8  | 55.2   |
| 154       | 90.5  | 70.6  | 106.0  |

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Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 7.747 ng/ul

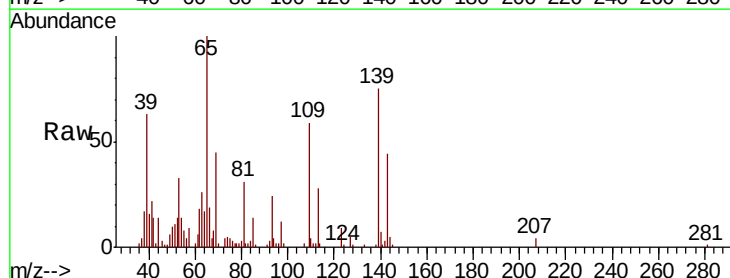
RT: 14.43 min Scan# 1945

Delta R.T. -0.01 min

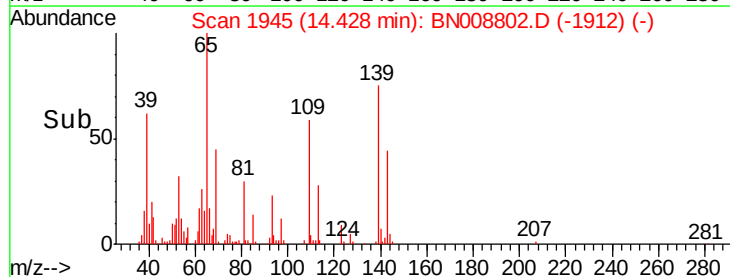
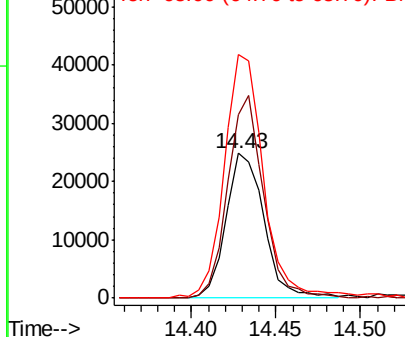
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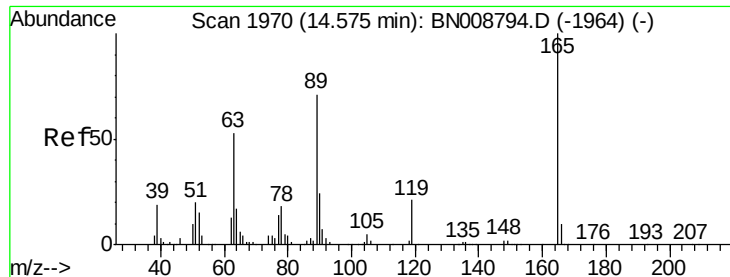
Acq: 28 Nov 2019 17:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 109   | Resp: | 39093 |
| Ion Ratio | Lower | Upper |       |
| 109       | 100   |       |       |
| 139       | 126.7 | 106.2 | 159.2 |
| 65        | 168.5 | 135.2 | 202.8 |



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





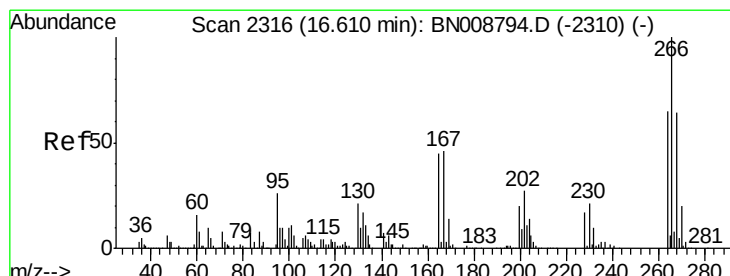
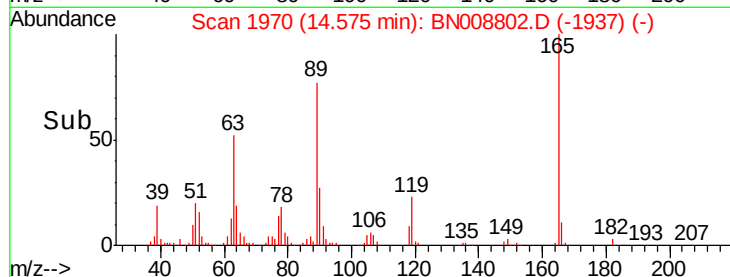
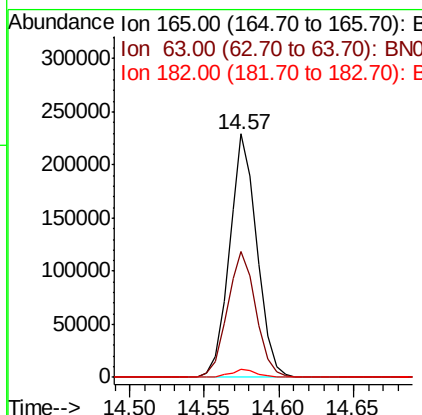
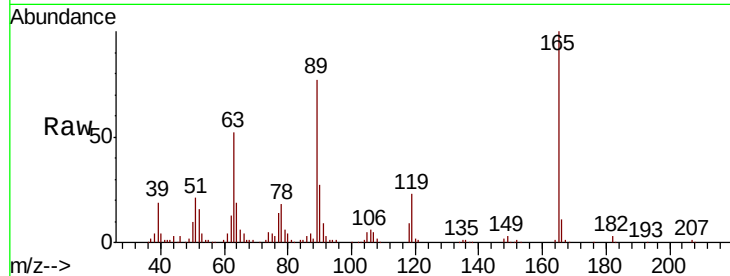
#54  
2,4-Dinitrotoluene  
Concen: 32.040 ng/ul  
RT: 14.57 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BN008802.D  
Acq: 28 Nov 2019 17:45

Instrument :  
BNA\_N  
ClientSampleId :  
A5460MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 51.9  | 41.0       | 61.6  |
| 182     | 3.2   | 2.4        | 3.6   |

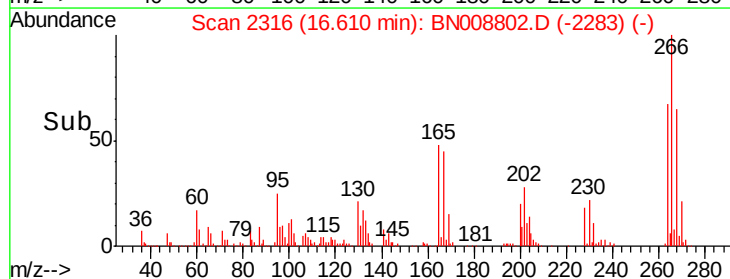
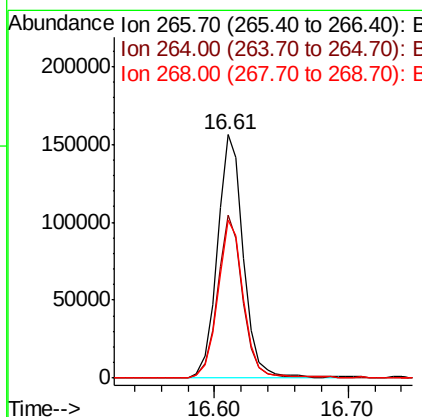
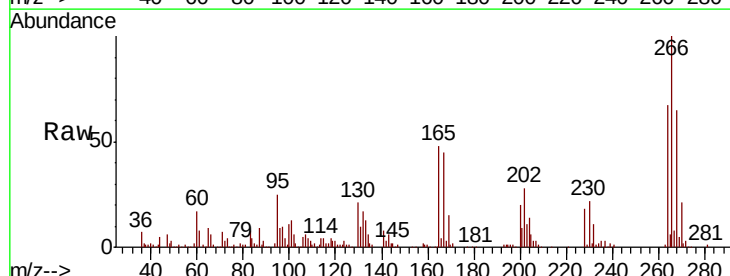
Manual Integrations  
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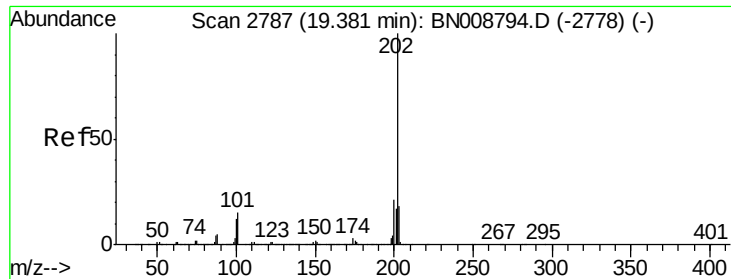
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#68  
Pentachlorophenol  
Concen: 30.719 ng/ul  
RT: 16.61 min Scan# 2316  
Delta R.T. -0.01 min  
Lab File: BN008802.D  
Acq: 28 Nov 2019 17:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 264     | 67.0  | 52.1       | 78.1  |
| 268     | 64.7  | 48.4       | 72.6  |





#79  
 Pvrene  
 Concen: 30.353 ng/ul  
 RT: 19.38 min Scan# 2787  
 Delta R.T. -0.01 min  
 Lab File: BN008802.D  
 Acq: 28 Nov 2019 17:45

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5460MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.1  | 11.8  | 17.6  |
| 100     | 12.4  | 9.6   | 14.4  |

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