

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100618\  
 Data File : BN002973.D  
 Acq On : 05 Oct 2018 21:20  
 Operator : MJ/SJ  
 Sample : J5230-08MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z04MSD

Manual Integrations  
 APPROVED

Sohil  
 10/8/2018 5:53:38 PM

Quant Time: Oct 06 03:46:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 06 02:55:40 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 164715   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 760855   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 448635   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 988421   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 972823   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.44 | 264  | 823129   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 14801   | 4.15  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 371140  | 26.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 224911  | 25.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.17  | 132 | 302340  | 26.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 290458  | 26.81 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 159060  | 26.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 190258  | 28.52 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 324849  | 26.98 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 319276  | 22.92 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 997733  | 28.41 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 1265166 | 27.59 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 158175  | 27.24 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 876089  | 28.48 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 155446  | 25.14 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 1312480 | 27.81 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.42 | 212 | 1423642 | 27.73 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.30 | 264 | 1237673 | 28.57 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 6) Phenol                      | 6.85  | 94  | 359723  | 25.504 | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.20  | 128 | 266284  | 23.306 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 228042  | 27.188 | ng/ul  | 93     |
| 33) 4-Chloro-3-methylphenol    | 11.71 | 107 | 321061  | 26.945 | ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 27808   | 1.015  | ng/ul  | 98     |
| 44) Dimethylphthalate          | 13.73 | 163 | 687699  | 20.064 | ng/ul  | 100    |
| 47) Acenaphthylene             | 13.99 | 152 | 100283  | 2.328  | ng/ul  | 99     |
| 49) Acenaphthene               | 14.33 | 153 | 755475  | 24.757 | ng/ul  | 99     |
| 52) 4-Nitrophenol              | 14.53 | 109 | 94035   | 23.274 | ng/ul  | 95     |
| 54) 2,4-Dinitrotoluene         | 14.66 | 165 | 274602  | 28.110 | ng/ul  | 87     |
| 68) Pentachlorophenol          | 16.69 | 266 | 133525  | 24.217 | ng/ul  | 98     |
| 69) Phenanthrene               | 17.06 | 178 | 202577  | 3.720  | ng/ul  | 99     |
| 71) Anthracene                 | 17.15 | 178 | 77672   | 1.407  | ng/ul  | 98     |
| 75) Di-n-butylphthalate        | 17.99 | 149 | 99823   | 1.756  | ng/ul  | 96     |
| 76) Fluoranthene               | 19.09 | 202 | 591535  | 10.182 | ng/ul  | 100    |
| 79) Pyrene                     | 19.45 | 202 | 2134227 | 33.181 | ng/ul  | 97     |
| 82) Benzo(a)anthracene         | 21.21 | 228 | 273948  | 4.527  | ng/ul  | 95     |
| 84) Chrysene                   | 21.26 | 228 | 364306  | 6.422  | ng/ul  | 97     |
| 87) Benzo(b)fluoranthene       | 22.78 | 252 | 533681  | 10.616 | ng/ul# | 96     |
| 88) Benzo(k)fluoranthene       | 22.82 | 252 | 131454m | 2.803  | ng/ul  |        |
| 90) Benzo(a)pyrene             | 23.34 | 252 | 207476  | 4.366  | ng/ul# | 97     |
| 91) Indeno(1,2,3-cd)pyrene     | 25.64 | 276 | 182353  | 3.241  | ng/ul  | 97     |
| 92) Dibenzo(a,h)anthracene     | 25.64 | 278 | 53771   | 1.134  | ng/ul# | 79     |

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Sample : J5230-08MSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

Manual Integrations  
APPROVED

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10/8/2018 5:53:38 PM

Quant Time: Oct 06 03:46:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 06 02:55:40 2018  
Response via : Initial Calibration

| Internal Standards       | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------|-------|------|----------|-------|-------|----------|
| 93) Benzo(g,h,i)perylene | 26.32 | 276  | 152706   | 3.247 | ng/ul | 100      |

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

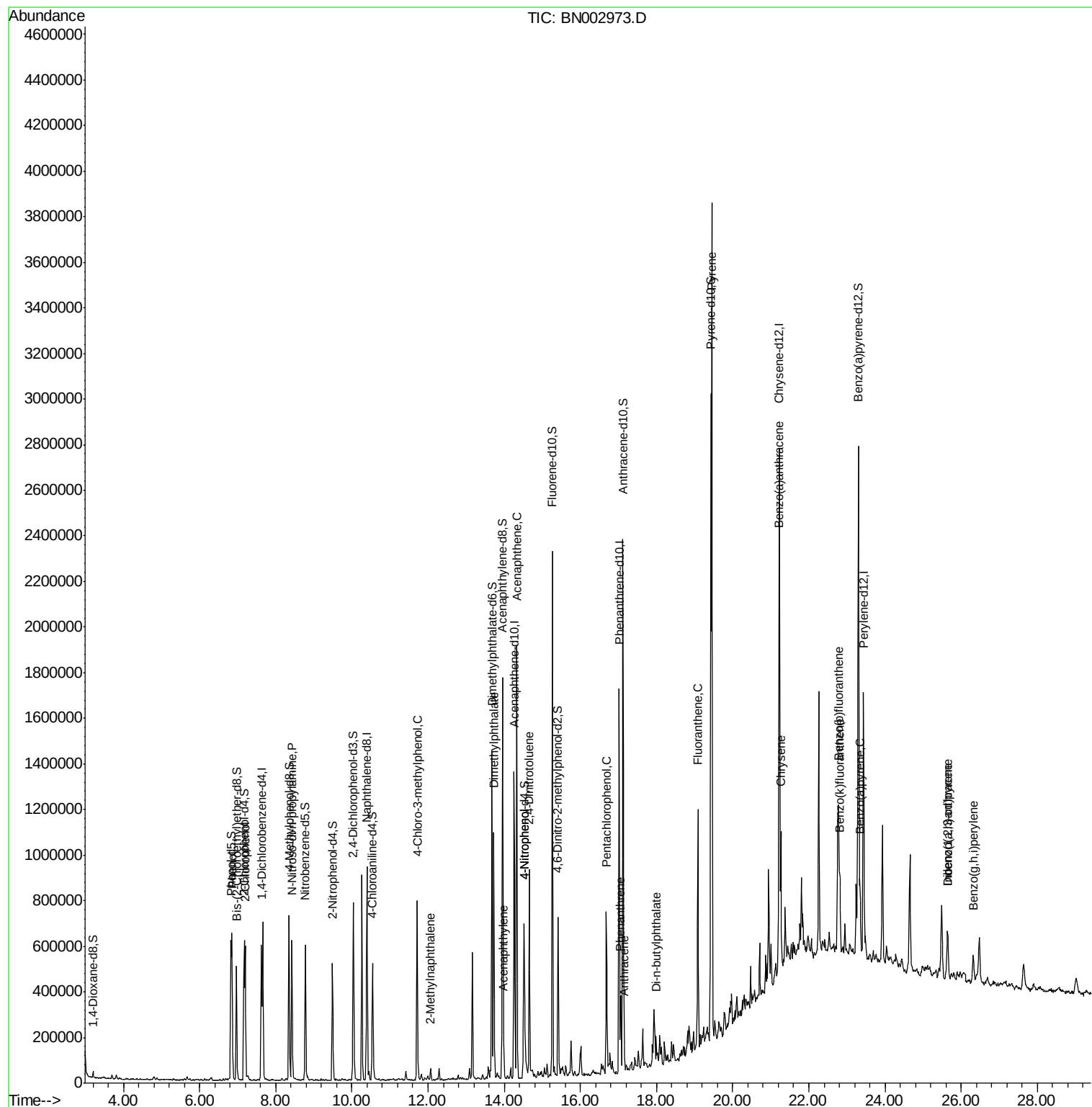
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Data File : BN002973.D  
Acq On : 05 Oct 2018 21:20  
Operator : MJ/SJ  
Sample : J5230-08MSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

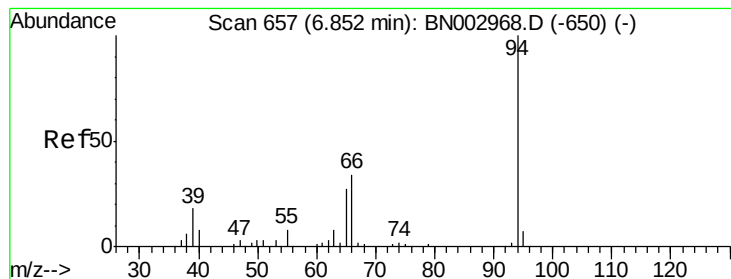
Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

Manual Integrations  
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10/8/2018 5:53:38 PM

Quant Time: Oct 06 03:46:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 06 02:55:40 2018  
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#6

Phenol

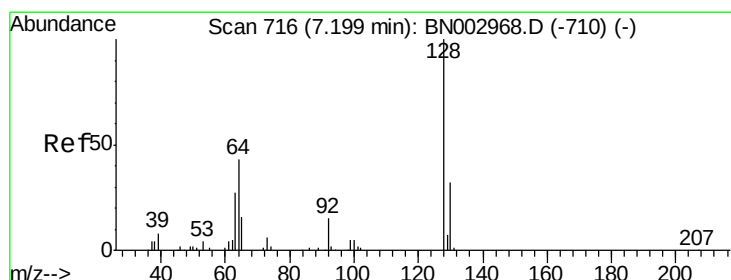
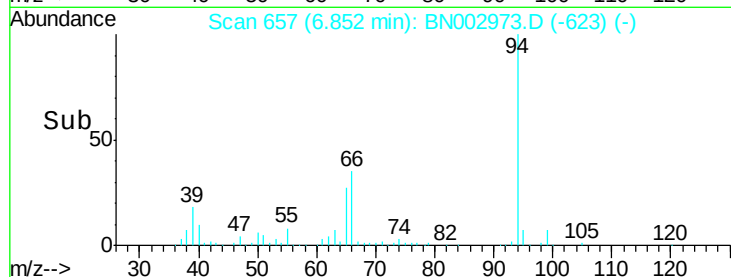
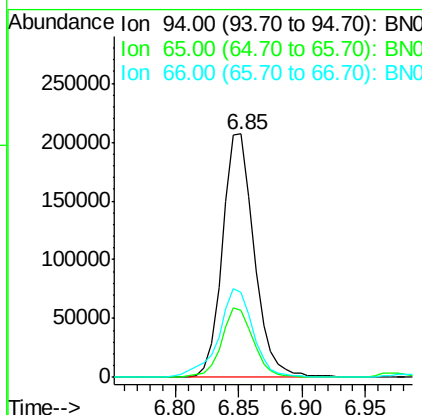
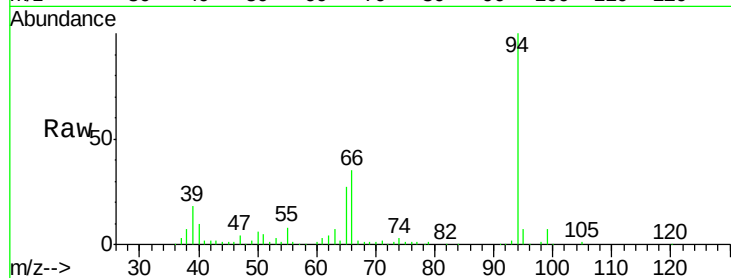
Concen: 25.504 ng/ul  
 RT: 6.85 min Scan# 657  
 Delta R.T. 0.00 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

Instrument :  
 BNA\_N  
 ClientSampled :  
 A3Z04MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 27.4  | 23.1  | 34.7  |
| 66      | 34.9  | 29.8  | 44.6  |

Manual Integrations  
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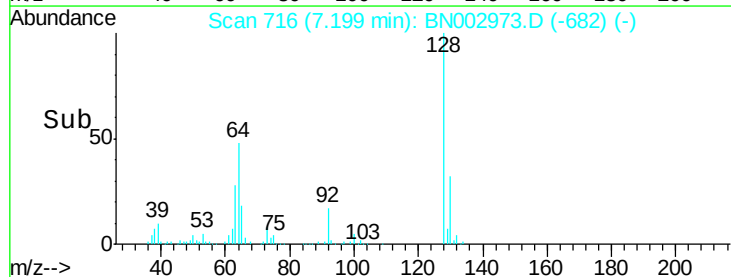
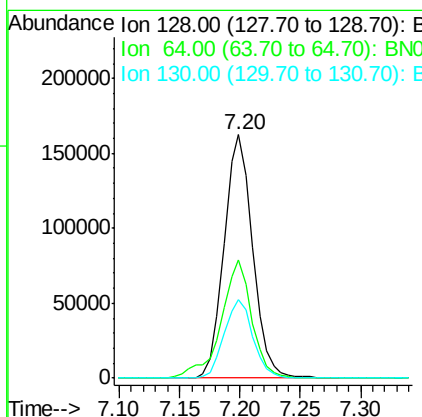
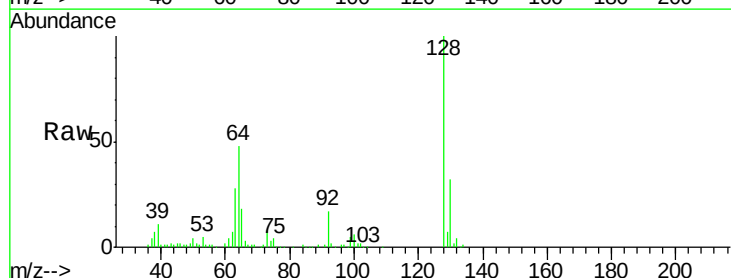


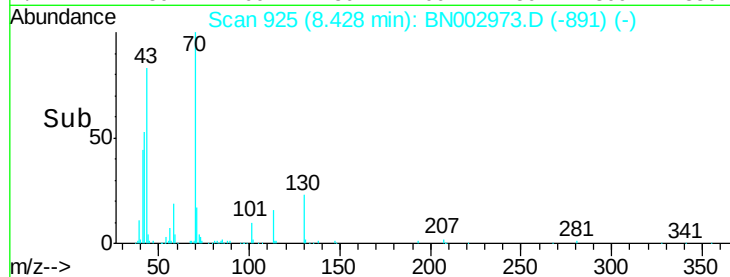
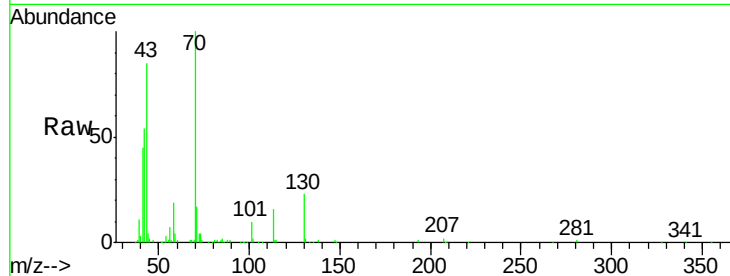
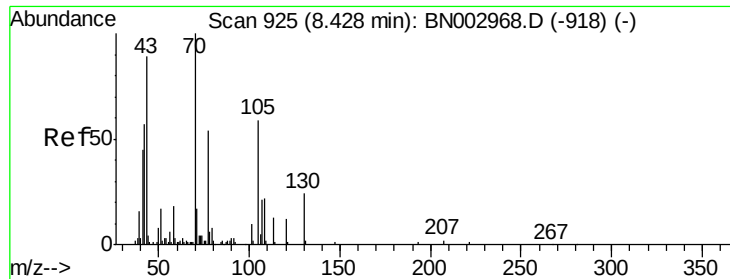
#10

2-Chlorophenol

Concen: 23.306 ng/ul  
 RT: 7.20 min Scan# 716  
 Delta R.T. 0.00 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 48.4  | 40.4  | 60.6  |
| 130     | 32.3  | 26.8  | 40.2  |





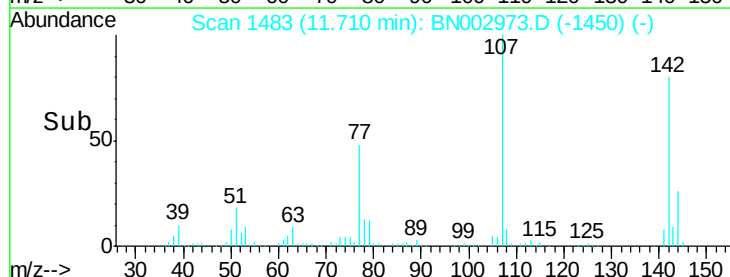
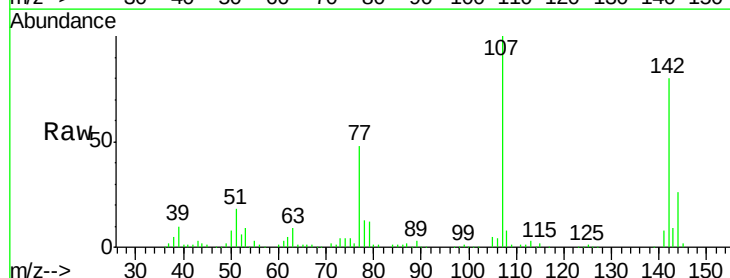
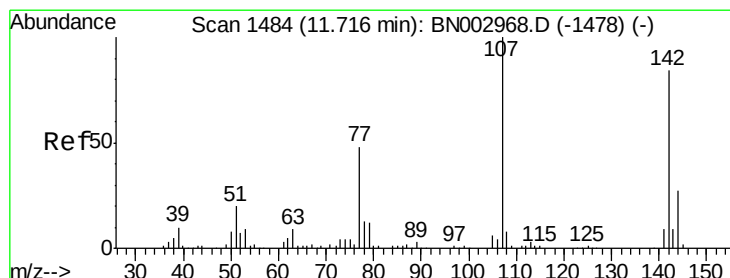
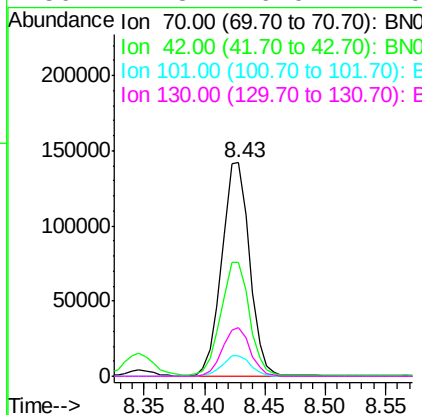
#15  
N-Nitroso-di-n-propylamine  
Concen: 27.188 ng/ul  
RT: 8.43 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.6  | 47.7  | 71.5  |
| 101     | 9.8   | 8.0   | 12.0  |
| 130     | 22.8  | 16.0  | 24.0  |

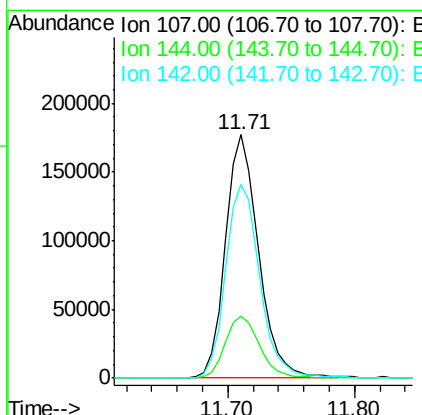
Manual Integrations  
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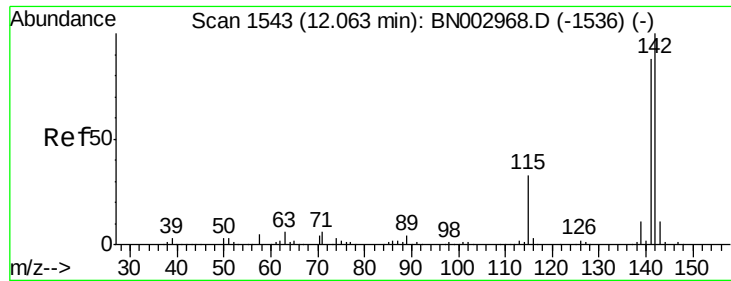
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#33  
4-Chloro-3-methylphenol  
Concen: 26.945 ng/ul  
RT: 11.71 min Scan# 1483  
Delta R.T. -0.01 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.6  | 20.2  | 30.4  |
| 142     | 79.8  | 62.9  | 94.3  |





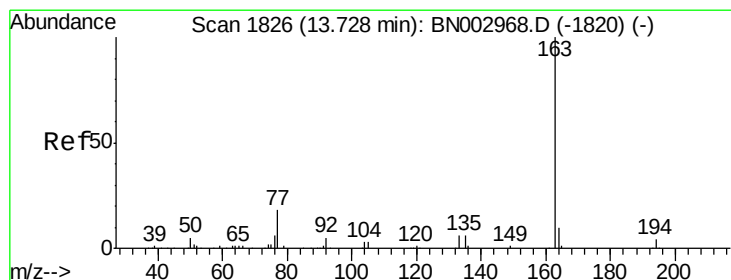
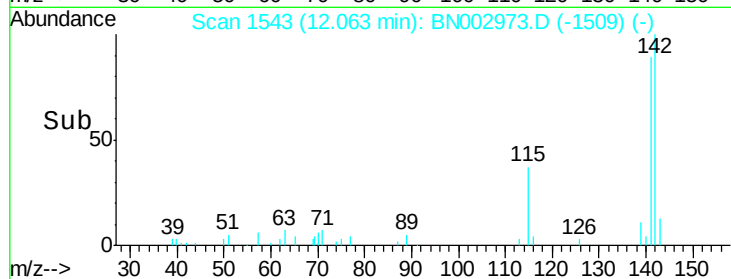
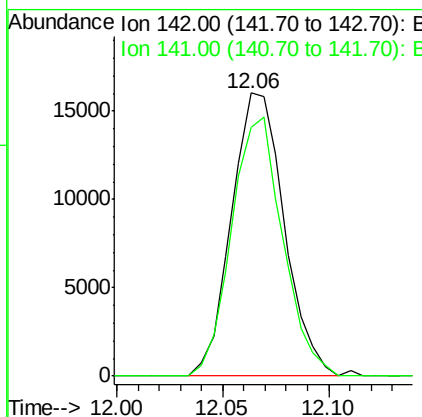
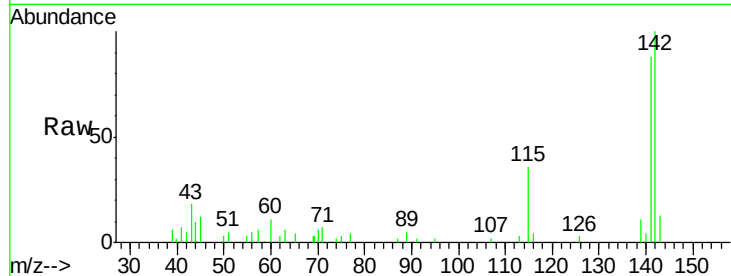
#34  
 2-Methylnaphthalene  
 Concen: 1.015 ng/ul  
 RT: 12.06 min Scan# 1543  
 Delta R.T. 0.00 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z04MSD

Tgt Ion:142 Resp: 27808  
 Ion Ratio Lower Upper  
 142 100  
 141 87.7 71.8 107.8

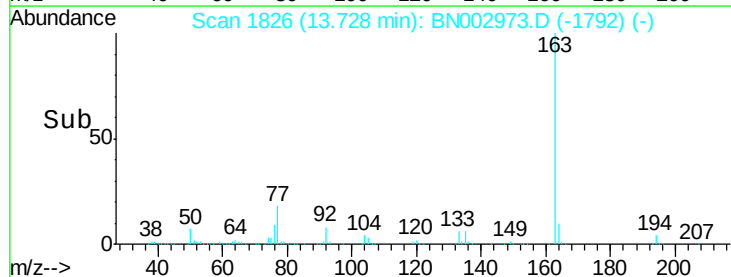
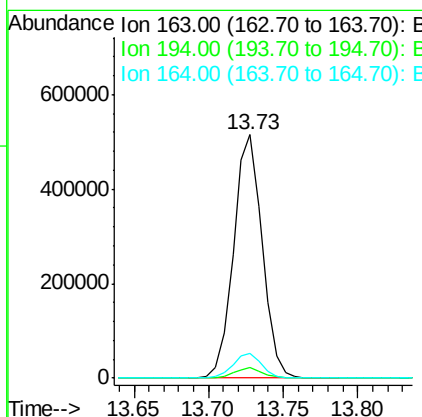
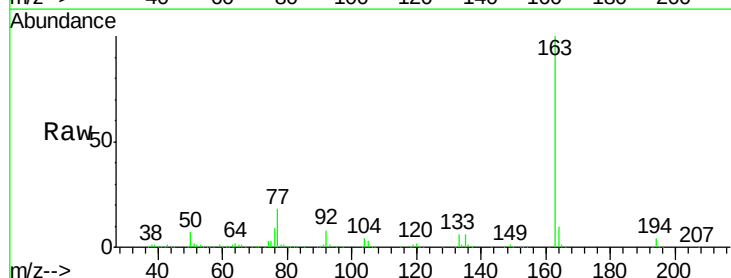
Manual Integrations  
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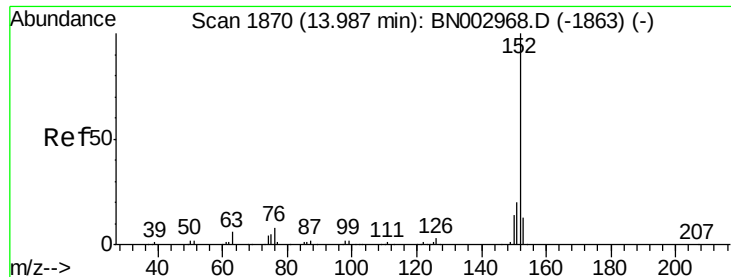
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 10/8/2018 5:53:38 PM



#44  
 Dimethylphthalate  
 Concen: 20.064 ng/ul  
 RT: 13.73 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

Tgt Ion:163 Resp: 687699  
 Ion Ratio Lower Upper  
 163 100  
 194 4.5 3.5 5.3  
 164 9.9 8.1 12.1





#47

Acenaphthylene

Concen: 2.328 ng/ul

RT: 13.99 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

Instrument :

BNA\_N

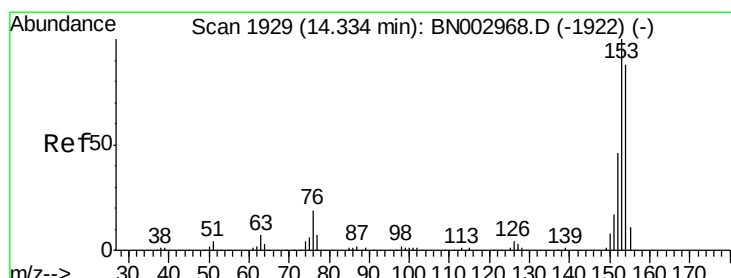
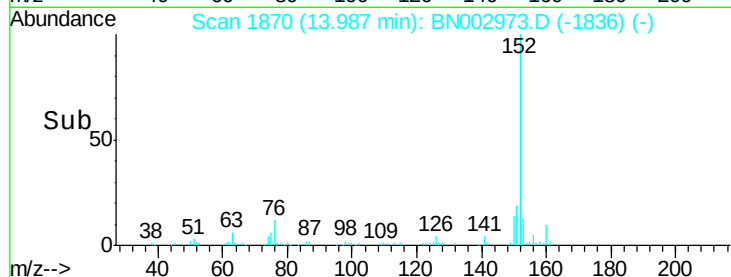
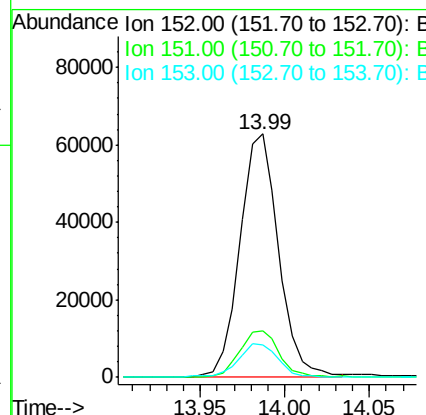
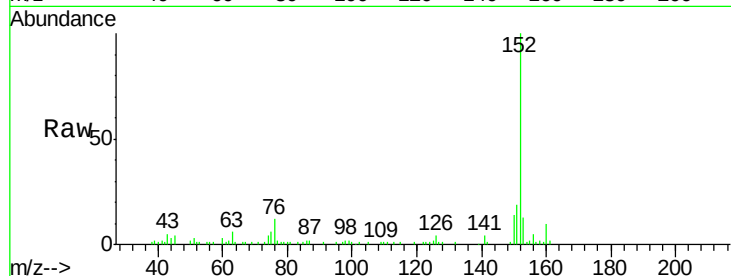
ClientSampleId :

A3Z04MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 100283 |       |       |
| 151     | 19.3  | 16.0   | 24.0  |       |
| 153     | 13.3  | 10.6   | 16.0  |       |

Manual Integrations  
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#49

Acenaphthene

Concen: 24.757 ng/ul

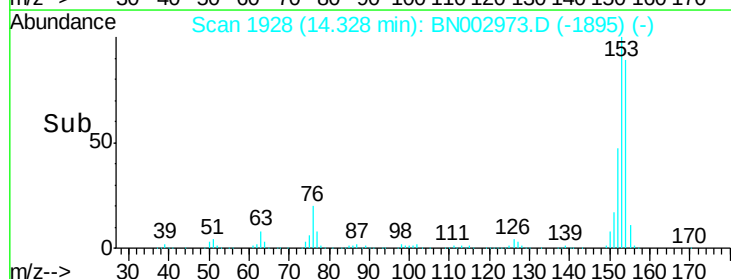
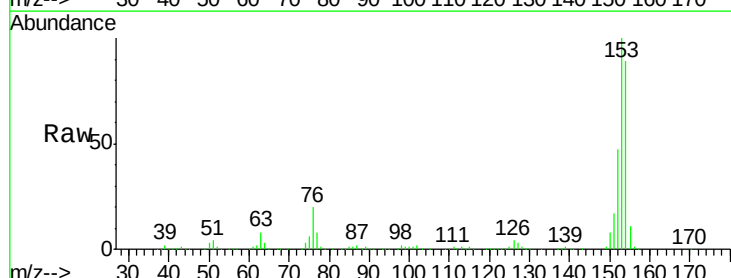
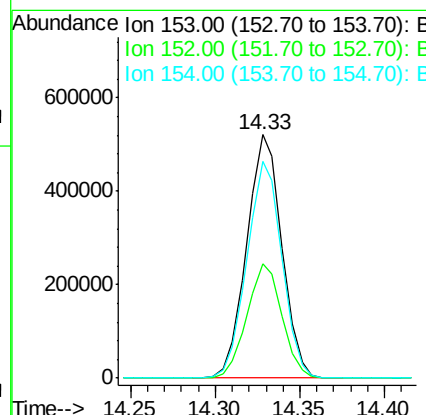
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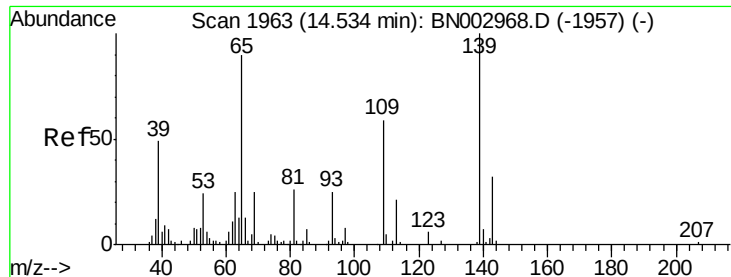
Delta R.T. -0.01 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 153     | 100   | 755475 |       |       |
| 152     | 46.9  | 37.8   | 56.6  |       |
| 154     | 89.3  | 70.9   | 106.3 |       |





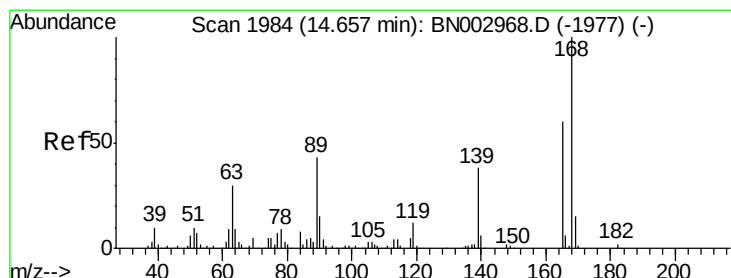
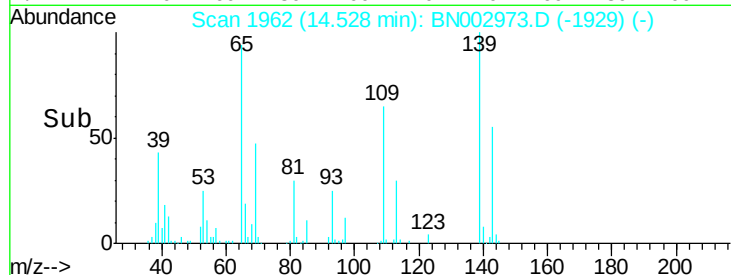
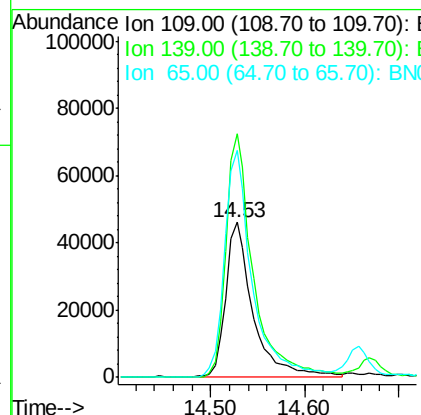
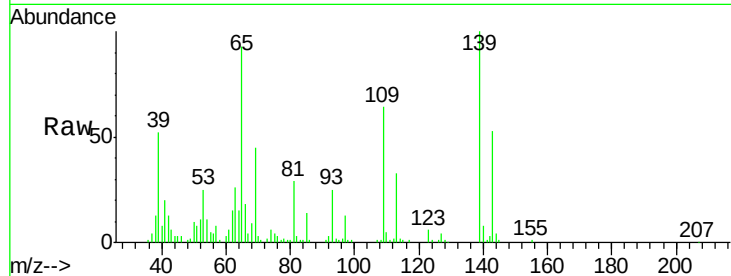
#52  
4-Nitrophenol  
Concen: 23.274 ng/ul  
RT: 14.53 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 109     | 100   | 94035 |       |       |
| 139     | 157.0 | 116.5 | 174.7 |       |
| 65      | 146.0 | 116.7 | 175.1 |       |

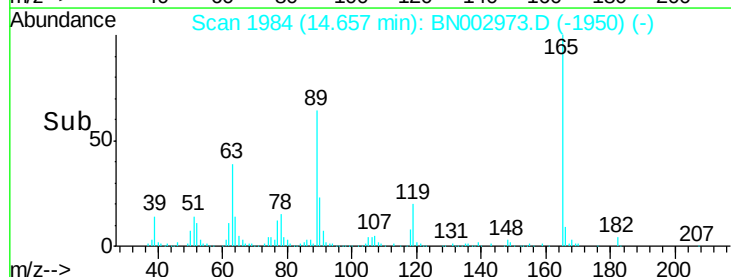
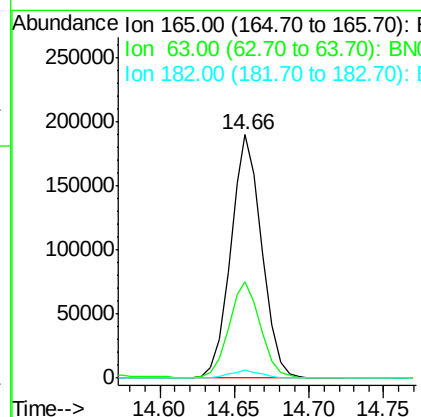
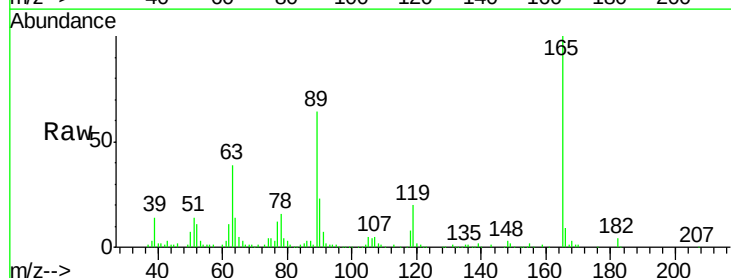
Manual Integrations  
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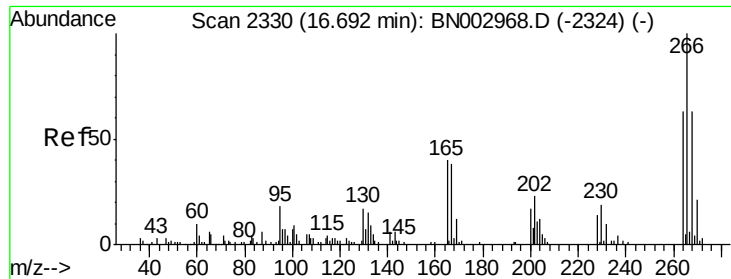


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2,4-Dinitrotoluene  
Concen: 28.110 ng/ul  
RT: 14.66 min Scan# 1984  
Delta R.T. 0.00 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 274602 |       |       |
| 63      | 39.4  | 39.0   | 58.6  |       |
| 182     | 3.5   | 2.4    | 3.6   |       |







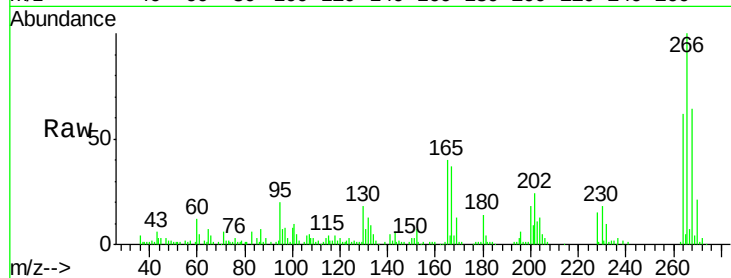
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 Pentachlorophenol  
 Concen: 24.217 ng/ul  
 RT: 16.69 min Scan# 2329  
 Delta R.T. -0.01 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

Instrument :  
 BNA\_N  
 ClientSampled :  
 A3Z04MSD

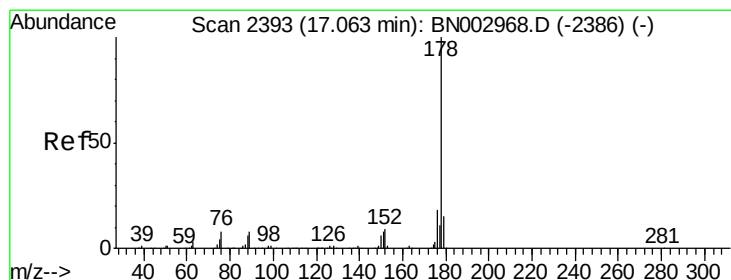
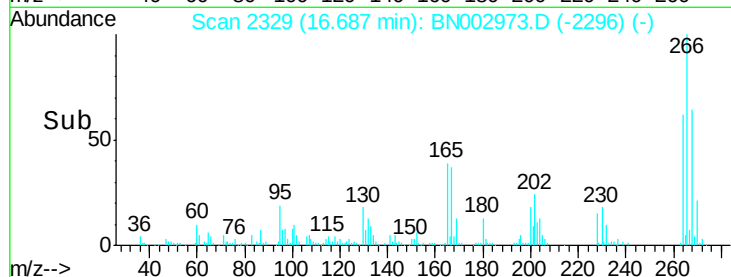
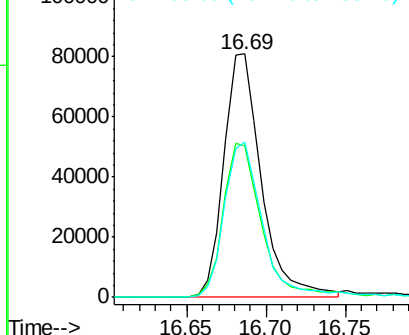
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 264     | 62.3  | 49.9       | 74.9       |
| 268     | 63.6  | 52.6       | 79.0       |

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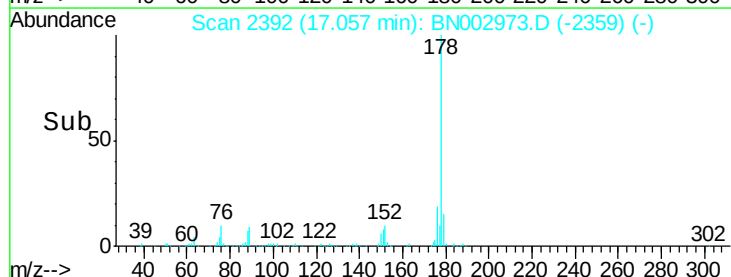
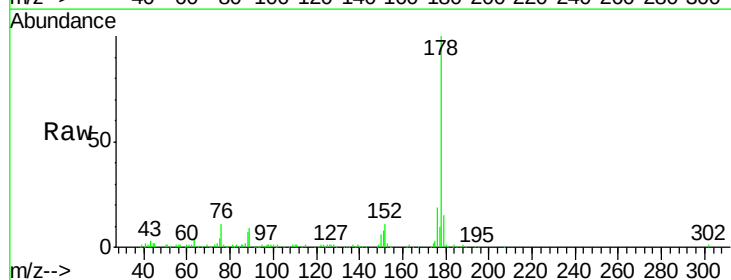
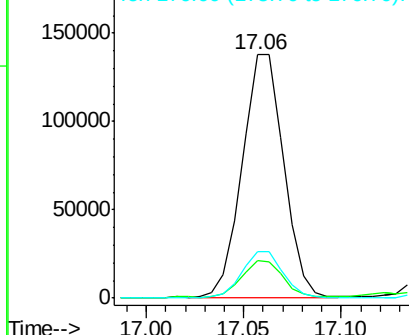
Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

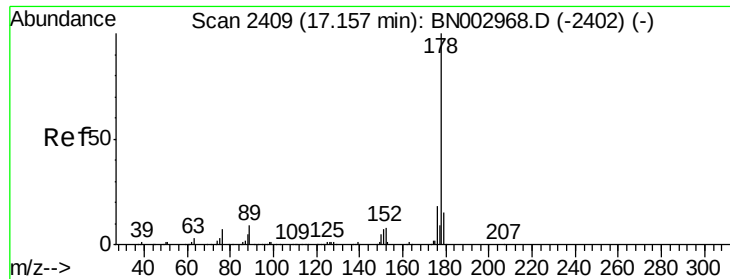


#69  
 Phenanthrene  
 Concen: 3.720 ng/ul  
 RT: 17.06 min Scan# 2392  
 Delta R.T. -0.01 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 179     | 15.5  | 12.2       | 18.4       |
| 176     | 19.4  | 15.0       | 22.6       |

Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E





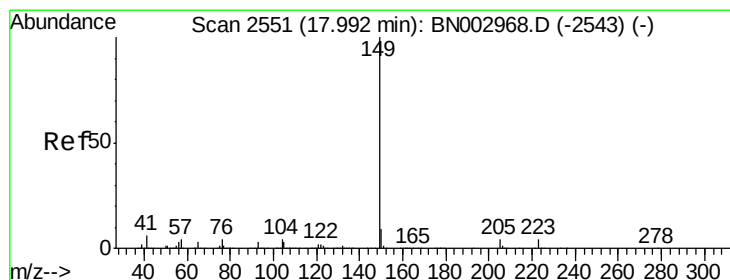
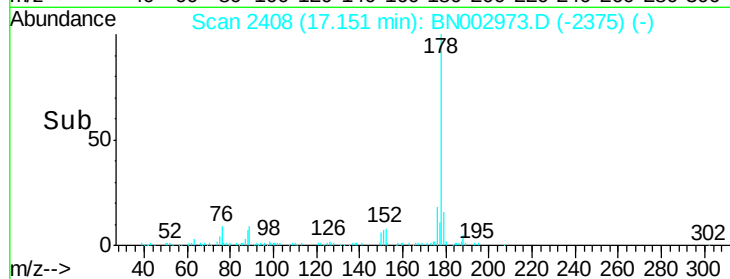
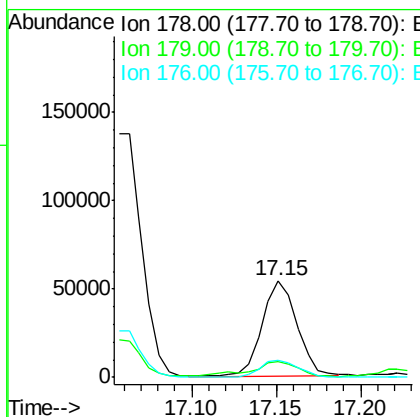
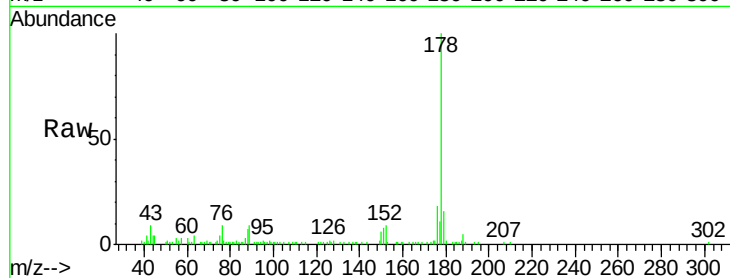
#71  
 Anthracene  
 Concen: 1.407 ng/ul  
 RT: 17.15 min Scan# 2408  
 Delta R.T. -0.01 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3Z04MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.6  | 12.0  | 18.0  |
| 176     | 17.8  | 15.0  | 22.4  |

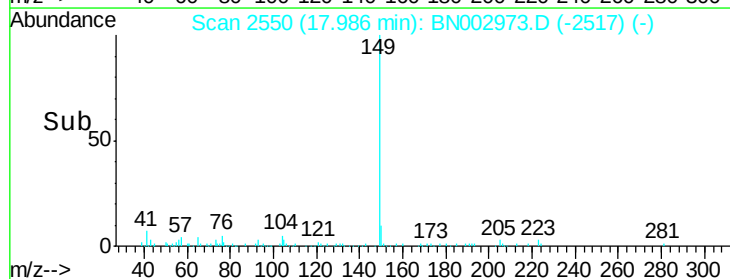
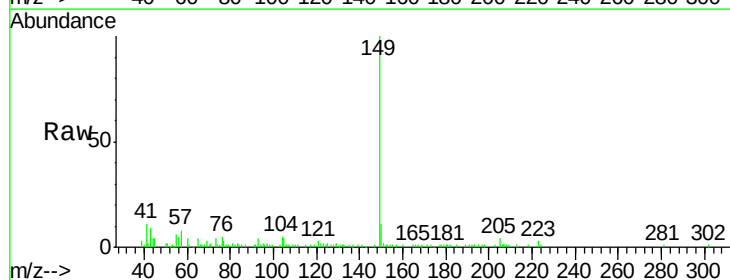
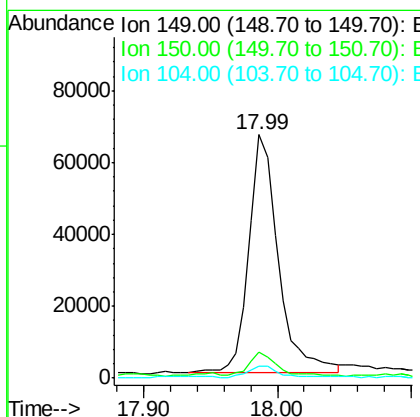
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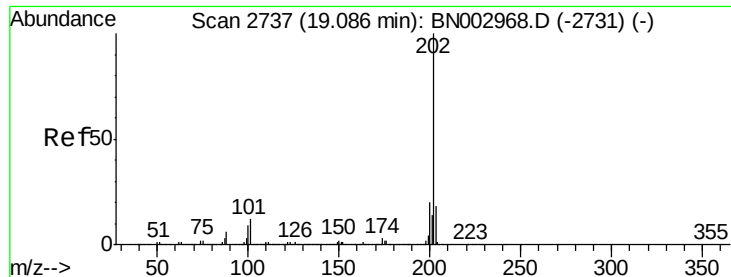
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#75  
 Di-n-butylphthalate  
 Concen: 1.756 ng/ul  
 RT: 17.99 min Scan# 2550  
 Delta R.T. -0.01 min  
 Lab File: BN002973.D  
 Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.8  | 7.3   | 10.9  |
| 104     | 5.0   | 3.7   | 5.5   |





#76

Fluoranthene

Concen: 10.182 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.00 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

Instrument :

BNA\_N

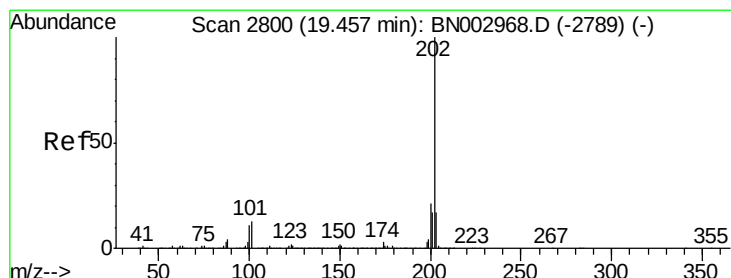
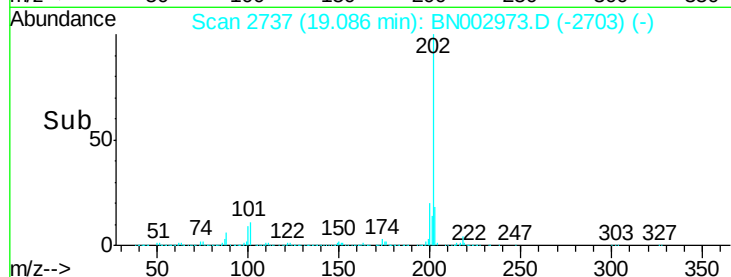
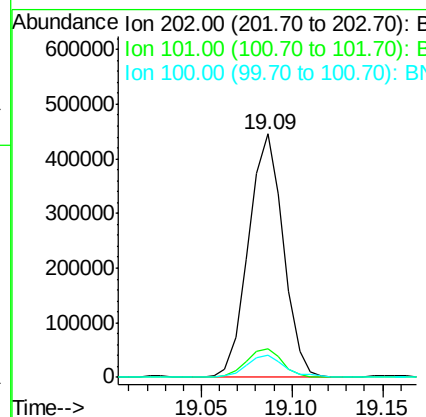
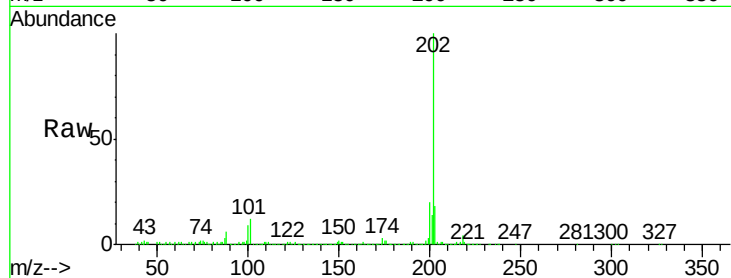
ClientSampleId :

A3Z04MSD

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 591535 |       |       |
| 101 | 11.8 | 9.4   | 14.2   |       |       |
| 100 | 8.9  | 7.0   | 10.6   |       |       |

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#79

Pyrene

Concen: 33.181 ng/ul

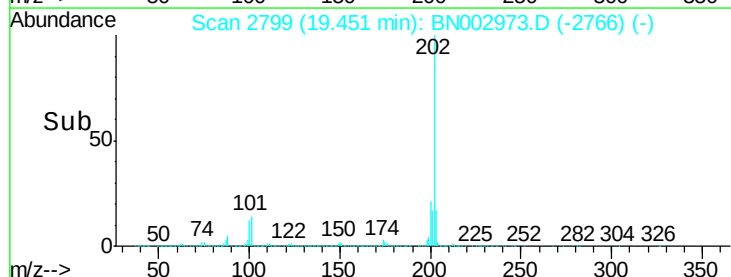
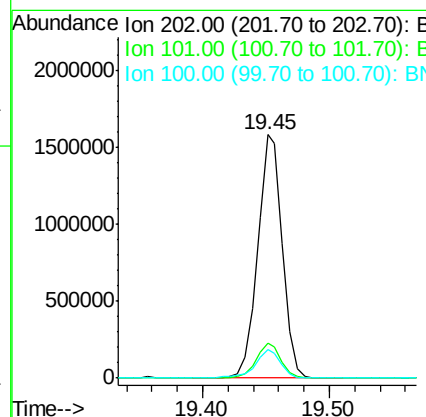
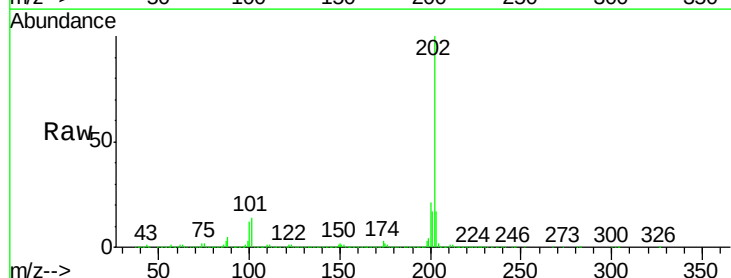
RT: 19.45 min Scan# 2799

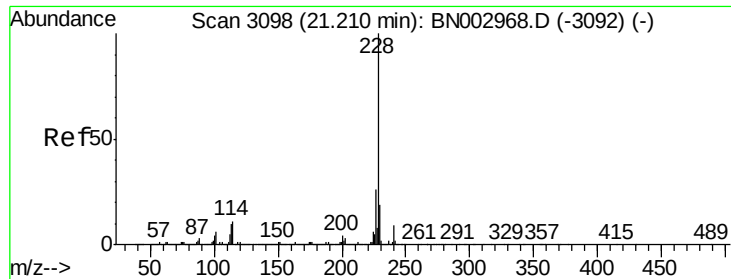
Delta R.T. -0.01 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

| Tgt | Ion  | Ratio | Resp    | Lower | Upper |
|-----|------|-------|---------|-------|-------|
| 202 | 100  |       | 2134227 |       |       |
| 101 | 14.5 | 10.8  | 16.2    |       |       |
| 100 | 11.8 | 8.2   | 12.2    |       |       |





#82

Benzo(a)anthracene

Concen: 4.527 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BN002973.D

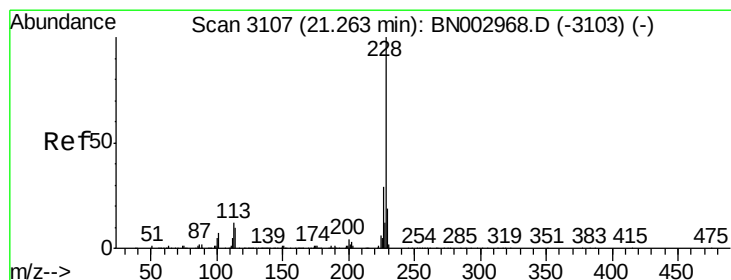
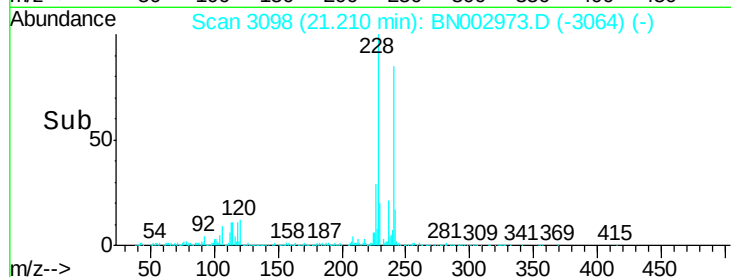
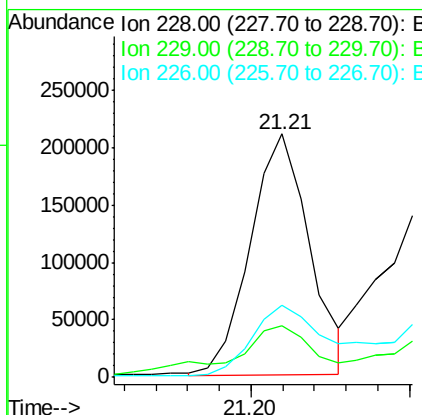
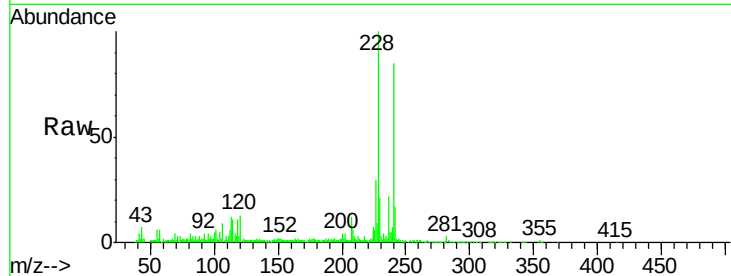
Acq: 05 Oct 2018 21:20

Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.2  | 15.8  | 23.6  |
| 226     | 29.6  | 20.9  | 31.3  |

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#84

Chrysene

Concen: 6.422 ng/ul

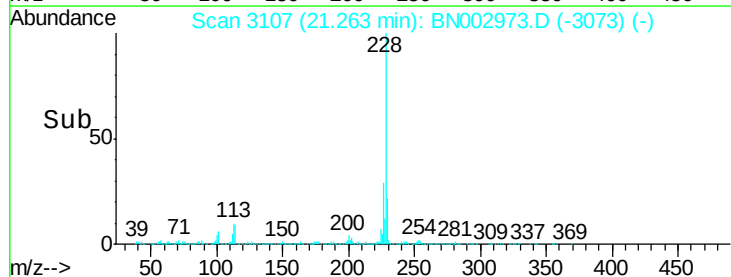
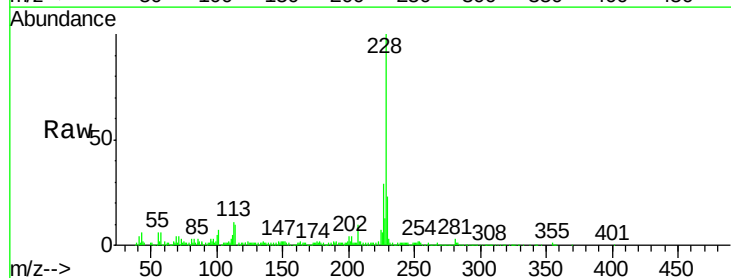
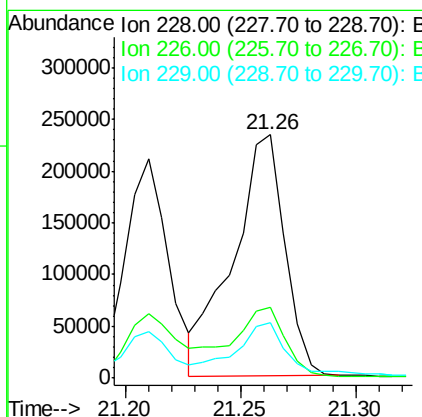
RT: 21.26 min Scan# 3107

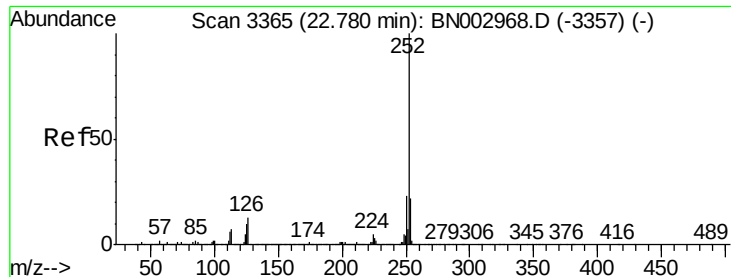
Delta R.T. 0.00 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.3  | 23.4  | 35.0  |
| 229     | 22.5  | 15.7  | 23.5  |





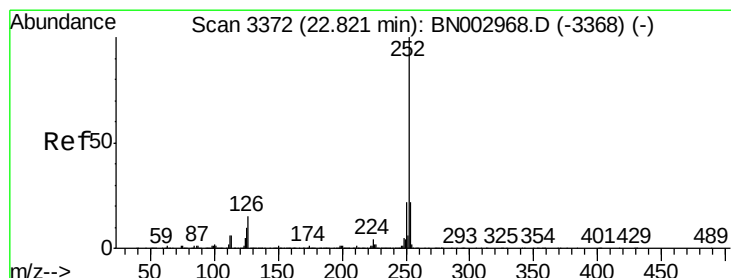
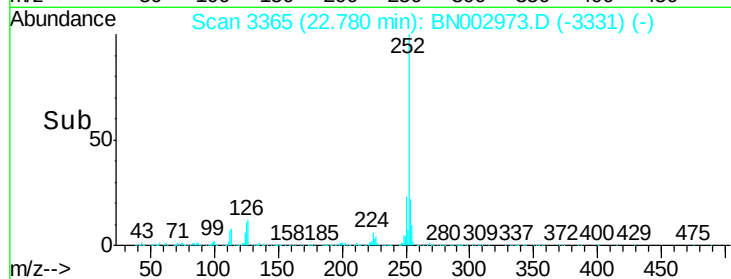
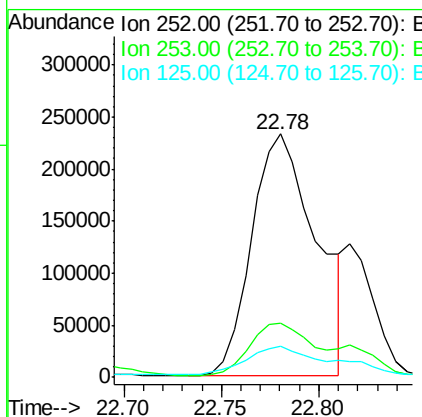
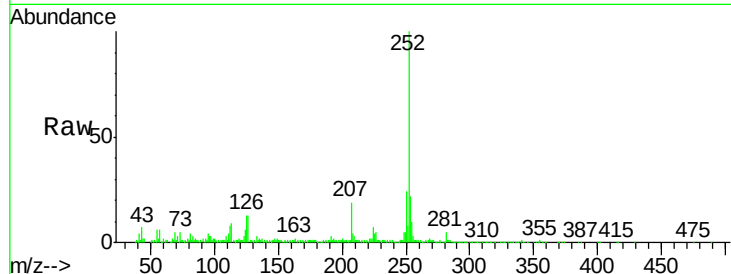
#87  
Benzo(b)fluoranthene  
Concen: 10.616 ng/ul  
RT: 22.78 min Scan# 3365  
Delta R.T. 0.00 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.0  | 25.4  |
| 125     | 12.6  | 8.0   | 12.0  |

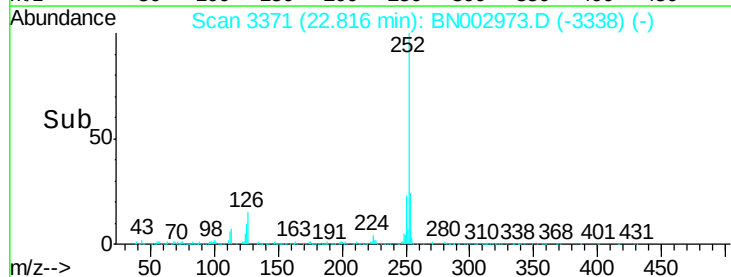
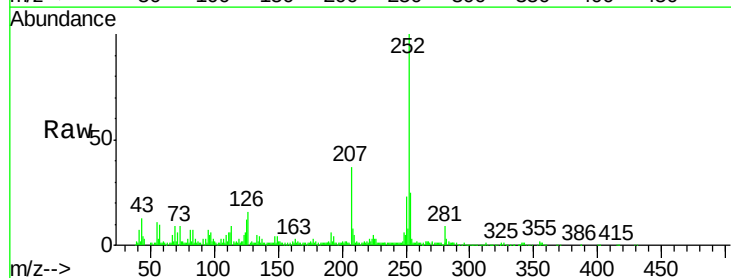
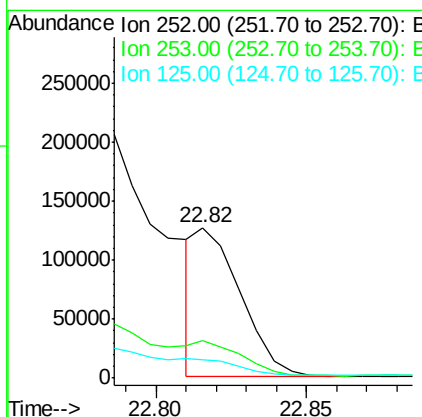
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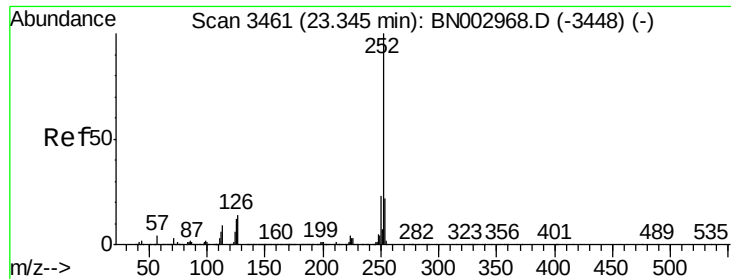
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#88  
Benzo(k)fluoranthene  
Concen: 2.803 ng/ul m  
RT: 22.82 min Scan# 3371  
Delta R.T. -0.01 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.6  | 17.8  | 26.8  |
| 125     | 12.2  | 8.3   | 12.5  |





#90

Benzo(a)pyrene

Concen: 4.366 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

Instrument :

BNA\_N

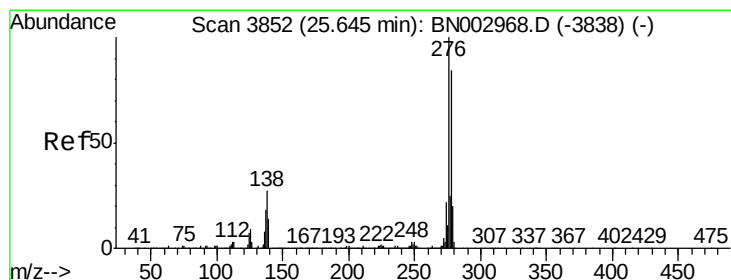
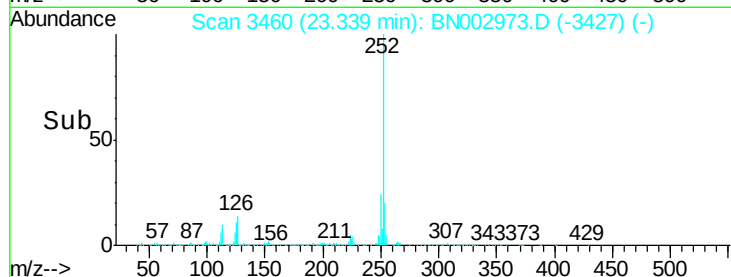
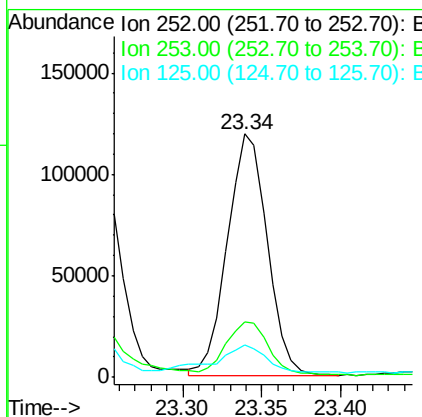
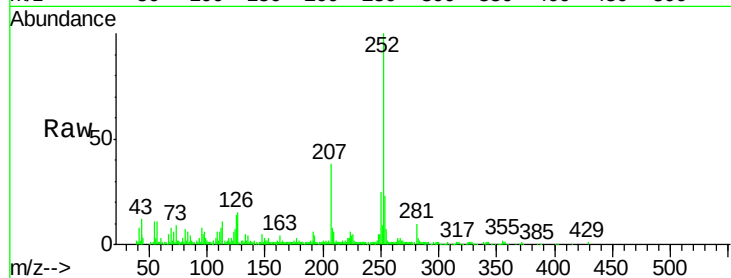
ClientSampleId :

A3Z04MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 207476 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.8  | 17.6  | 26.4   |
| 125       | 13.6  | 8.8   | 13.2#  |

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#91

Indeno(1,2,3-cd)pyrene

Concen: 3.241 ng/ul

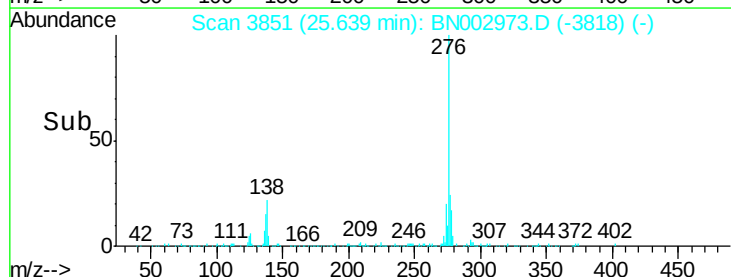
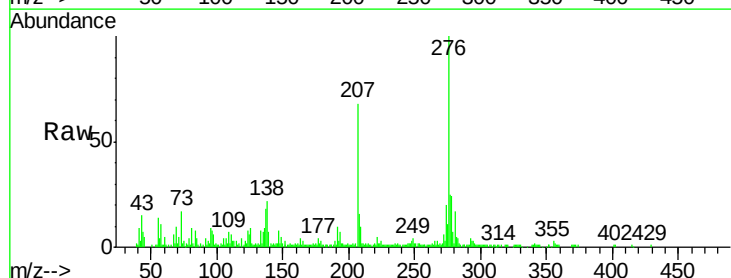
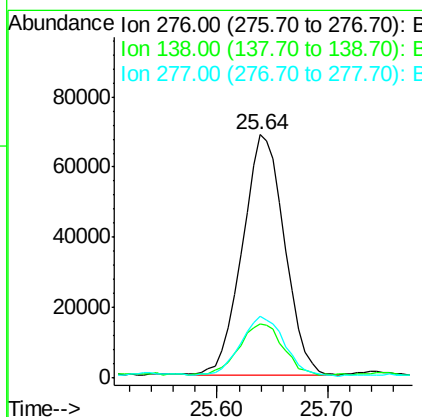
RT: 25.64 min Scan# 3851

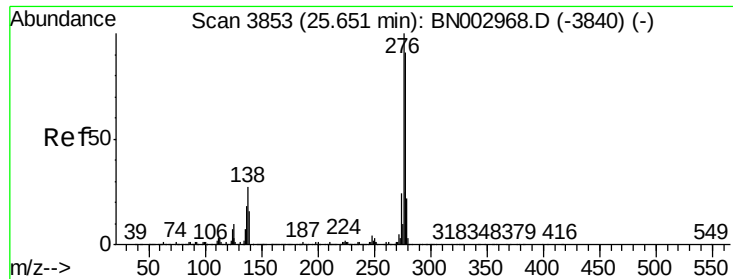
Delta R.T. -0.01 min

Lab File: BN002973.D

Acq: 05 Oct 2018 21:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 182353 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.5  | 20.2  | 30.4   |
| 277       | 25.2  | 20.0  | 30.0   |





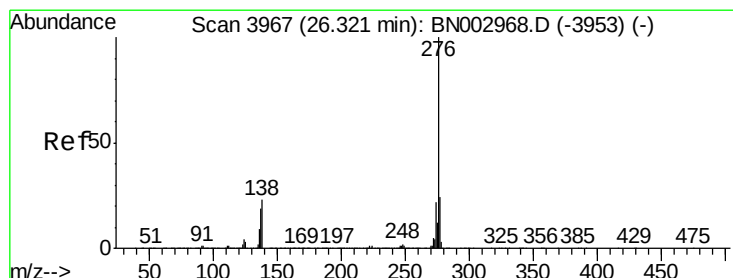
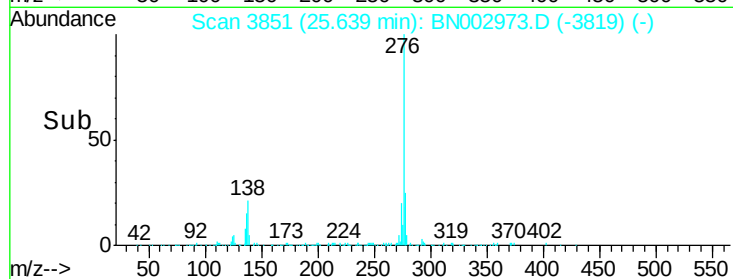
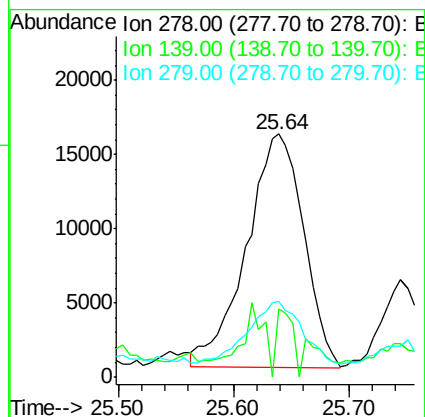
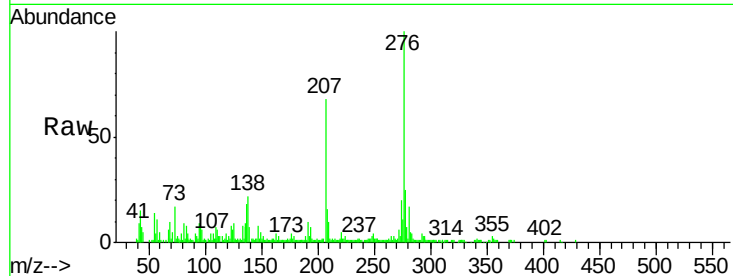
#92  
Dibenzo(a,h)anthracene  
Concen: 1.134 ng/ul  
RT: 25.64 min Scan# 3851  
Delta R.T. -0.01 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

Instrument :  
BNA\_N  
ClientSampleId :  
A3Z04MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 28.0  | 12.7  | 19.1# |
| 279     | 31.0  | 18.7  | 28.1# |

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#93  
Benzo(g,h,i)perylene  
Concen: 3.247 ng/ul  
RT: 26.32 min Scan# 3967  
Delta R.T. 0.00 min  
Lab File: BN002973.D  
Acq: 05 Oct 2018 21:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.6  | 18.2  | 27.2  |
| 277     | 23.1  | 18.6  | 28.0  |

