

Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN022818\  
 Data File : BN000201.D  
 Acq On : 28 Feb 2018 11:51  
 Operator : JU/SJ  
 Sample : MDL-W-05  
 Misc : 0.07PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 MDL-W-05

Manual Integrations  
 APPROVED

Sohil  
 2/28/2018 5:42:16 PM

Quant Time: Feb 28 17:19:13 2018  
 Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN022718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 27 15:07:57 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.45  | 152  | 5500     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.29 | 136  | 20338    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.06 | 164  | 10108    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.78 | 188  | 24325    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.90 | 240  | 18290    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.37 | 264  | 15057    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.93  | 112 | 3846  | 0.33 | ng | 0.00 |
| 5) Phenol-d6                | 7.58  | 99  | 4658  | 0.32 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.63  | 82  | 3946  | 0.33 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.84 | 152 | 11322 | 0.37 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.53 | 330 | 971   | 0.30 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.69 | 172 | 17270 | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.77 | 212 | 21826 | 0.34 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.34 | 244 | 12585 | 0.39 | ng | 0.00 |

|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.66  | 88  | 328  | 0.058  | ng | # 80 |
| 3) n-Nitrosodimethylamine      | 4.07  | 42  | 94m  | 0.119  | ng |      |
| 6) bis(2-Chloroethyl)ether     | 7.85  | 93  | 1071 | 0.057  | ng | 98   |
| 9) Naphthalene                 | 11.34 | 128 | 3626 | 0.061  | ng | # 92 |
| 10) Hexachlorobutadiene        | 11.62 | 225 | 589  | 0.058  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.92 | 142 | 2243 | 0.058  | ng | 97   |
| 16) Acenaphthylene             | 14.78 | 152 | 2384 | 0.050  | ng | 99   |
| 17) Acenaphthene               | 15.13 | 154 | 2126 | 0.057  | ng | 96   |
| 18) Fluorene                   | 16.09 | 166 | 2617 | 0.056  | ng | # 79 |
| 20) 4-Bromophenyl-phenylether  | 16.97 | 248 | 716  | 0.051  | ng | # 84 |
| 21) Hexachlorobenzene          | 17.09 | 284 | 1014 | 0.054  | ng | 94   |
| 22) Pentachlorophenol          | 17.43 | 266 | 196  | 0.129  | ng | # 81 |
| 23) Phenanthrene               | 17.82 | 178 | 4727 | 0.055  | ng | 98   |
| 24) Anthracene                 | 17.91 | 178 | 3056 | 0.047  | ng | 95   |
| 26) Fluoranthene               | 19.80 | 202 | 4646 | 0.052  | ng | # 94 |
| 28) Pyrene                     | 20.15 | 202 | 4625 | 0.064  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.88 | 228 | 3178 | 0.055  | ng | 98   |
| 31) Chrysene                   | 21.93 | 228 | 3964 | 0.059  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 1550 | 0.072  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.92 | 276 | 3347 | 0.053  | ng | # 89 |
| 35) Benzo(b)fluoranthene       | 23.61 | 252 | 3904 | 0.057  | ng | # 82 |
| 36) Benzo(k)fluoranthene       | 23.66 | 252 | 3598 | 0.054  | ng | # 54 |
| 37) Benzo(a)pyrene             | 24.26 | 252 | 2885 | 0.052  | ng | # 49 |
| 38) Dibenzo(a,h)anthracene     | 26.93 | 278 | 2505 | 0.050  | ng | # 73 |
| 39) Benzo(g,h,i)perylene       | 27.70 | 276 | 3393 | 0.058  | ng | # 77 |

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

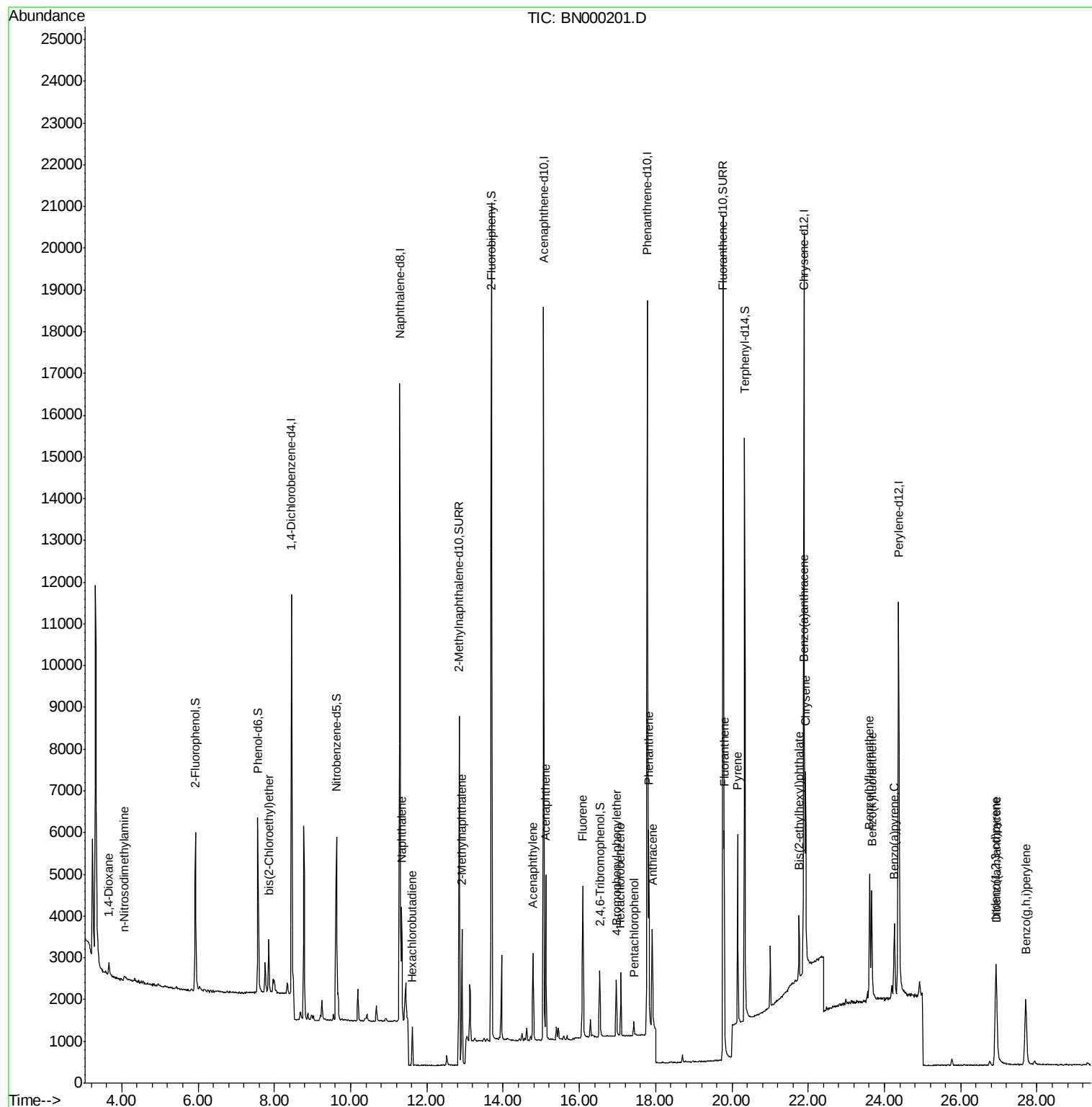
Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN022818\  
Data File : BN000201.D  
Acq On : 28 Feb 2018 11:51  
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Sample : MDL-W-05  
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Instrument :  
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MDL-W-05

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Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN022718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 27 15:07:57 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.45 min Scan# 634

Delta R.T. -0.01 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

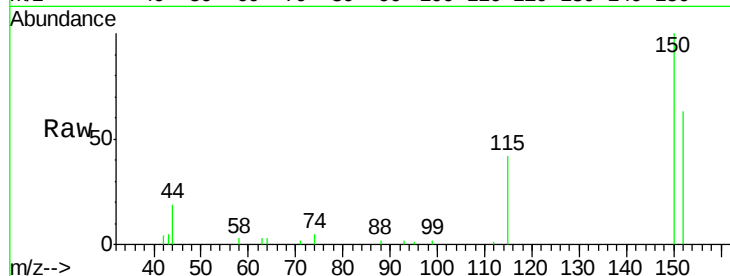
ClientSampleId :

MDL-W-05

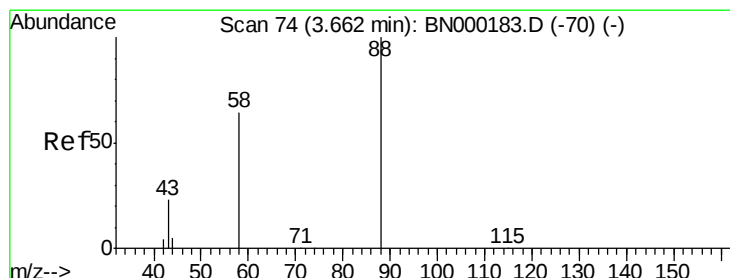
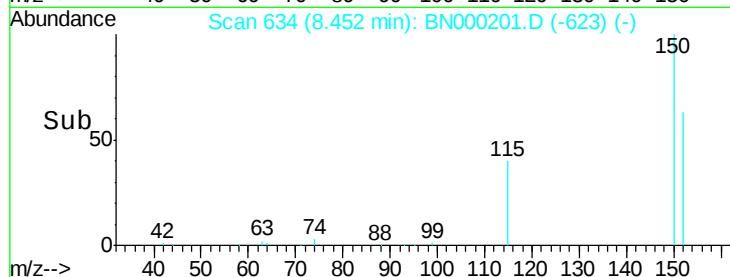
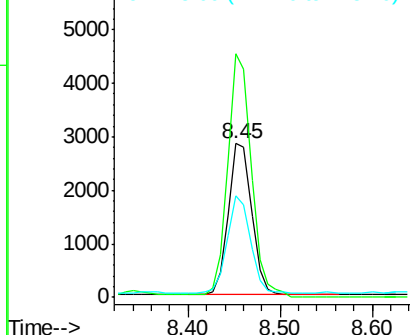
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 5500  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 158.4 | 117.2 | 175.8 |
| 115       | 66.3  | 57.0  | 85.6  |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.058 ng

RT: 3.66 min Scan# 74

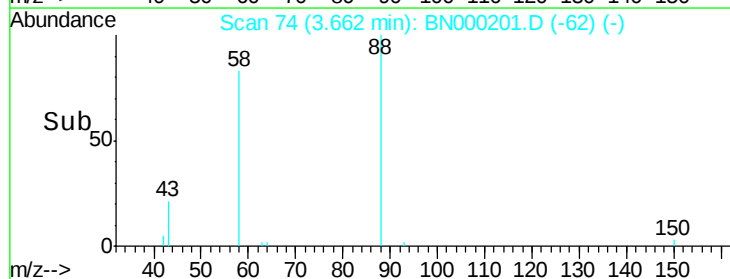
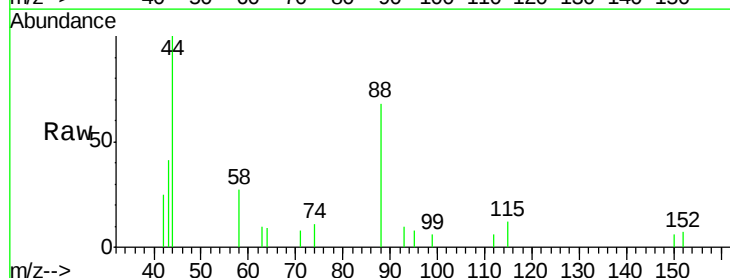
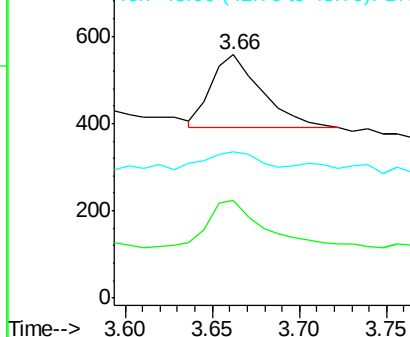
Delta R.T. 0.00 min

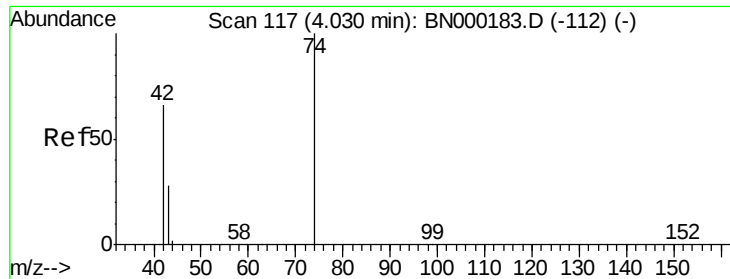
Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 328   |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 77.4  | 48.0  | 72.0# |
| 43        | 31.4  | 20.0  | 30.0# |

Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

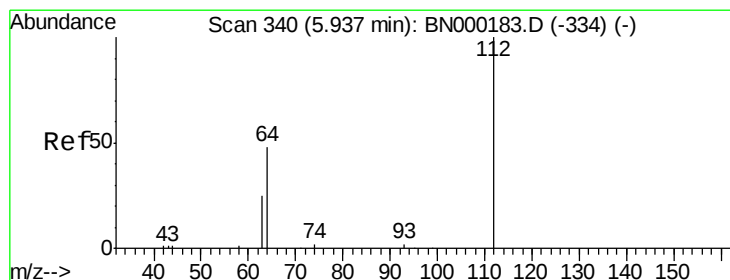
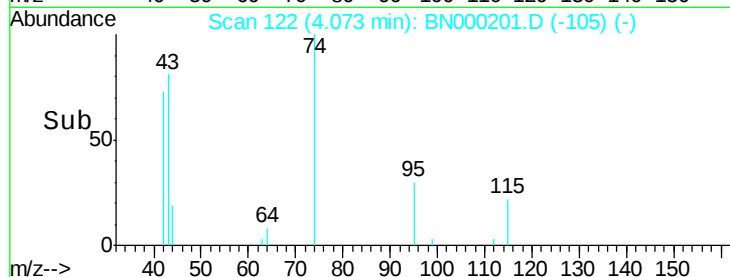
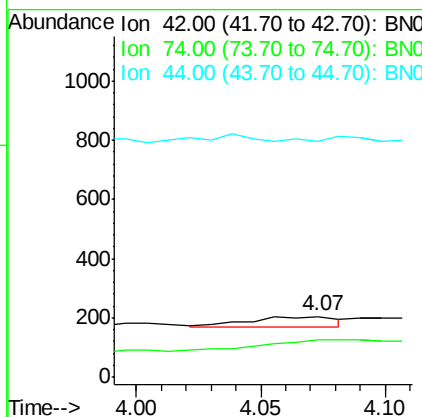
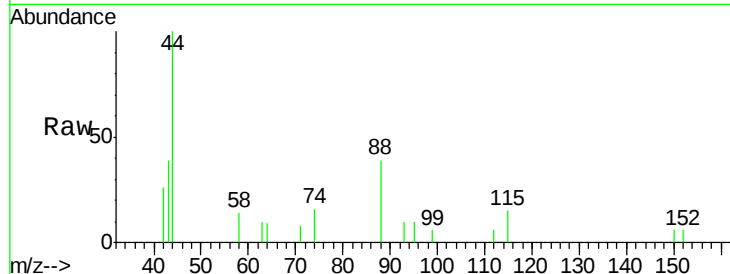
n-Nitrosodimethylamine  
 Concen: 0.119 ng m  
 RT: 4.07 min Scan# 122  
 Delta R.T. 0.04 min  
 Lab File: BN000201.D  
 Acq: 28 Feb 2018 11:51

Instrument :  
 BNA\_N  
 ClientSampled :  
 MDL-W-05

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 120.0 | 180.0# |
| 44      | 73.4  | 4.0   | 6.0#   |

Manual Integrations  
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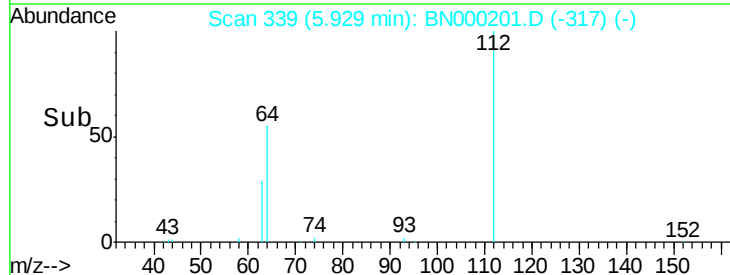
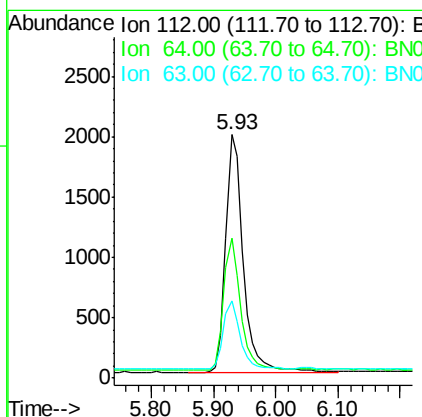
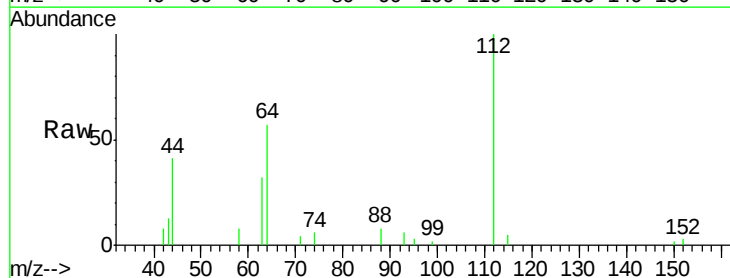
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 2/28/2018 5:42:16 PM

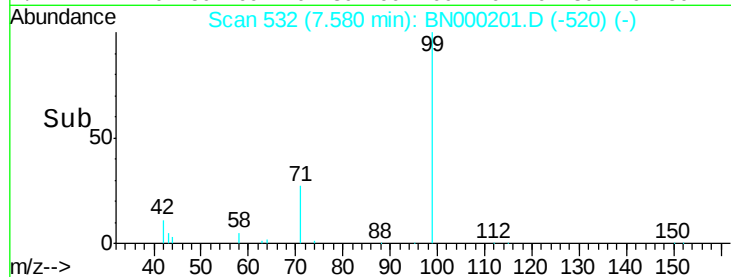
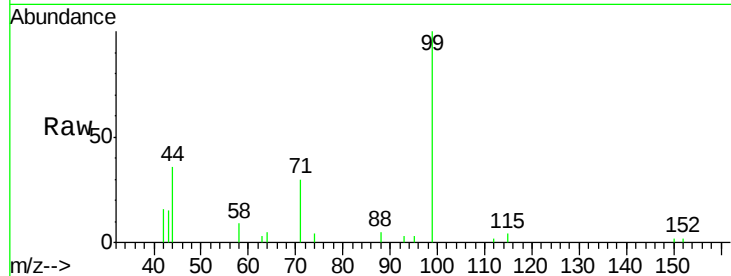
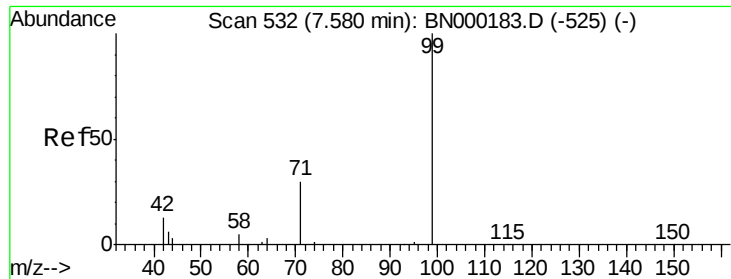


#4

2-Fluorophenol  
 Concen: 0.331 ng  
 RT: 5.93 min Scan# 339  
 Delta R.T. -0.01 min  
 Lab File: BN000201.D  
 Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 112     | 100   |       |        |
| 64      | 53.8  | 60.1  | 90.1#  |
| 63      | 28.1  | 116.8 | 175.2# |





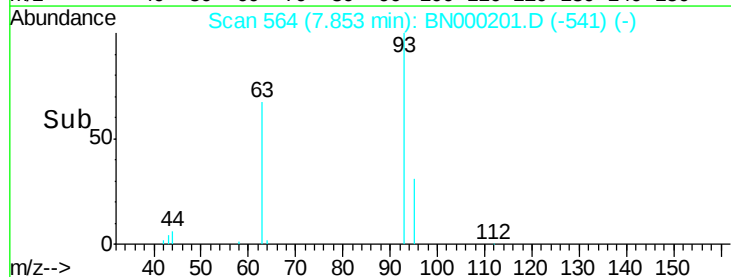
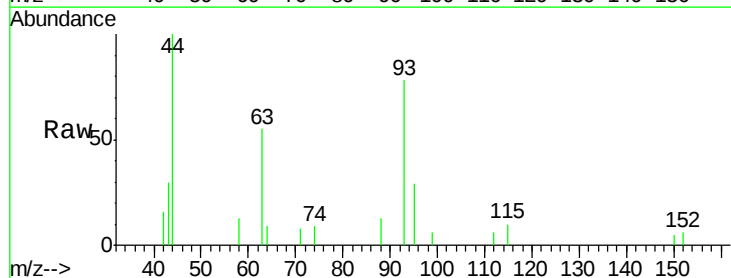
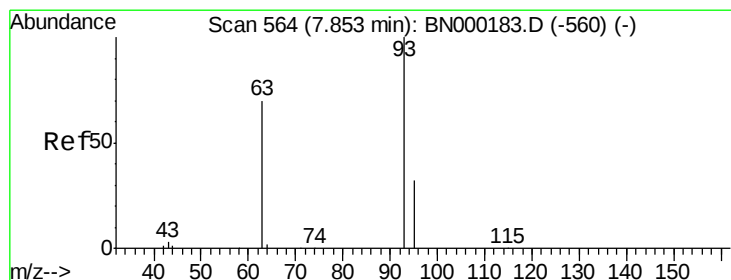
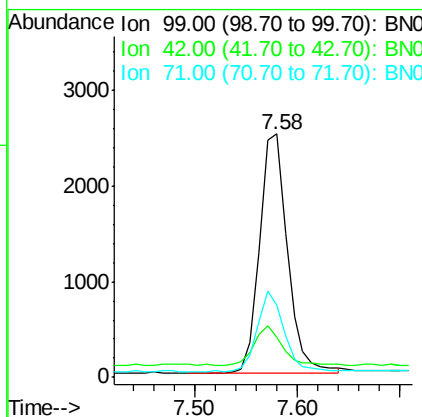
#5  
Phenol-d6  
Concen: 0.316 ng  
RT: 7.58 min Scan# 532  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 16.9  | 20.2  | 30.2# |
| 71      | 31.7  | 28.4  | 42.6  |

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-05

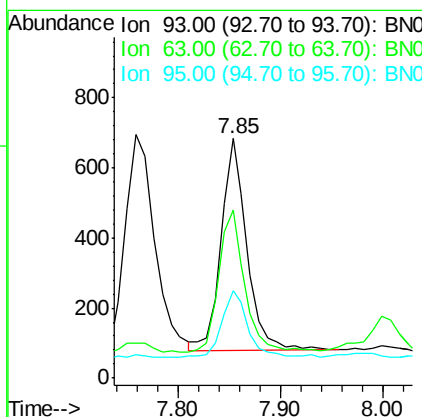
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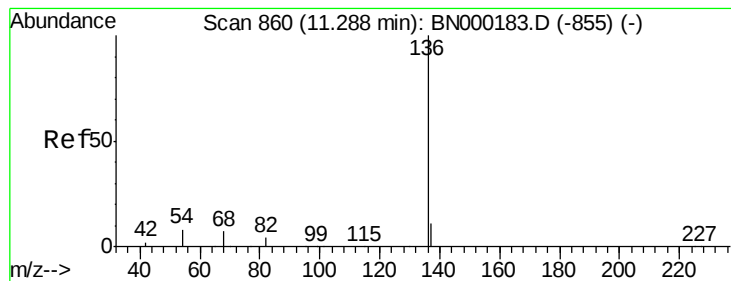
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#6  
bis(2-Chloroethyl)ether  
Concen: 0.057 ng  
RT: 7.85 min Scan# 564  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 68.2  | 56.0  | 84.0  |
| 95      | 31.6  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 860

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

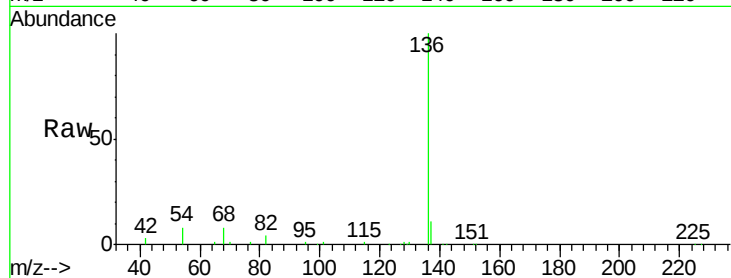
ClientSampled :

MDL-W-05

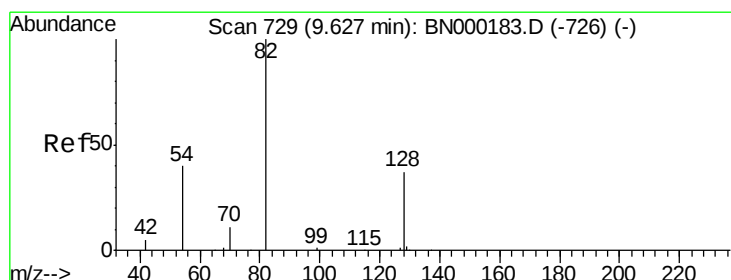
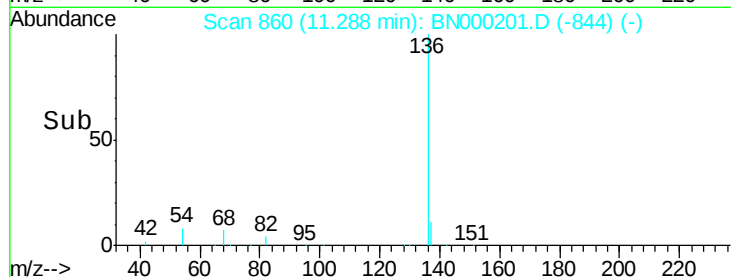
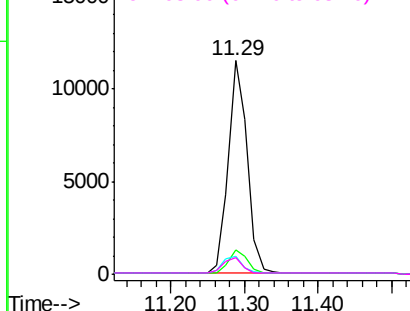
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 20338 |       |       |
| 137     | 11.4  | 9.5   | 14.3  |       |
| 54      | 8.3   | 29.1  | 43.7  |       |
| 68      | 7.7   | 6.2   | 9.2   |       |

Manual Integrations  
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Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BNC  
Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.327 ng

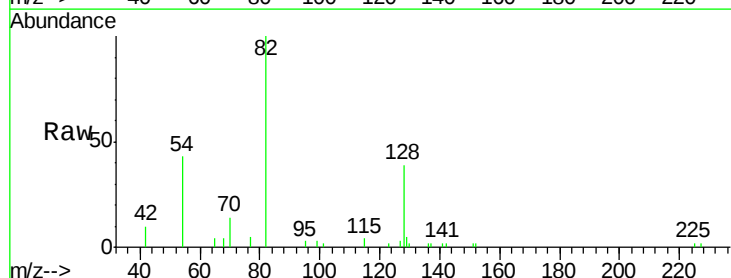
RT: 9.63 min Scan# 729

Delta R.T. -0.00 min

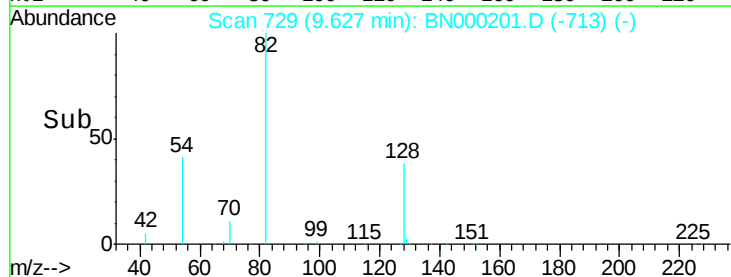
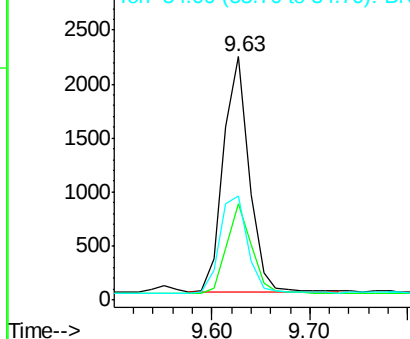
Lab File: BN000201.D

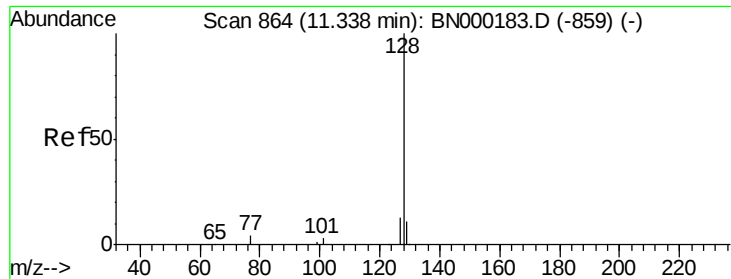
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   | 3946  |       |       |
| 128     | 39.4  | 150.0 | 225.0 |       |
| 54      | 42.9  | 154.2 | 231.4 |       |



Abundance Ion 82.00 (81.70 to 82.70): BNC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BNC





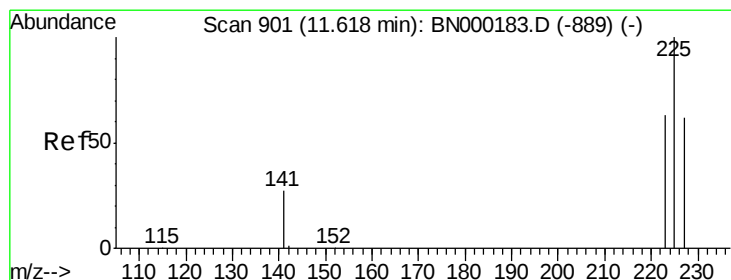
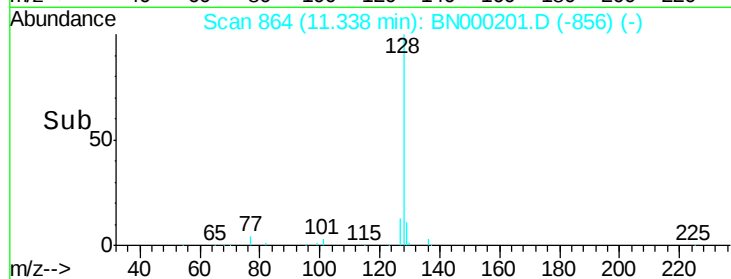
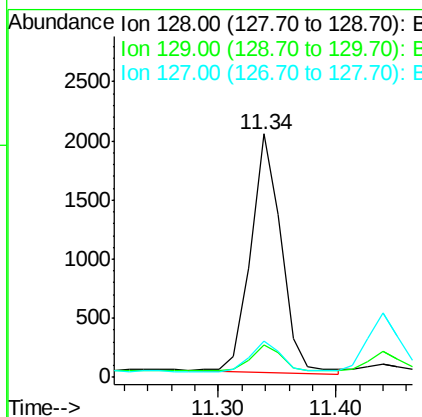
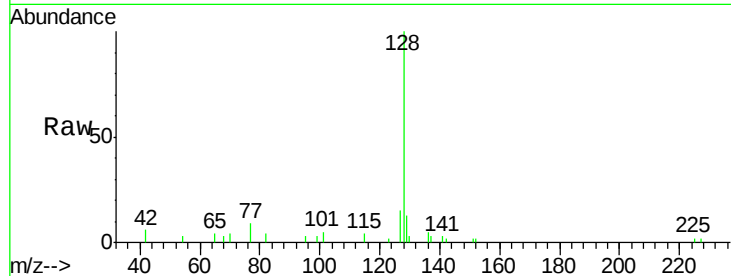
#9  
Naphthalene  
Concen: 0.061 ng  
RT: 11.34 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
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MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 13.3  | 8.0   | 12.0# |
| 127     | 14.9  | 9.6   | 14.4# |

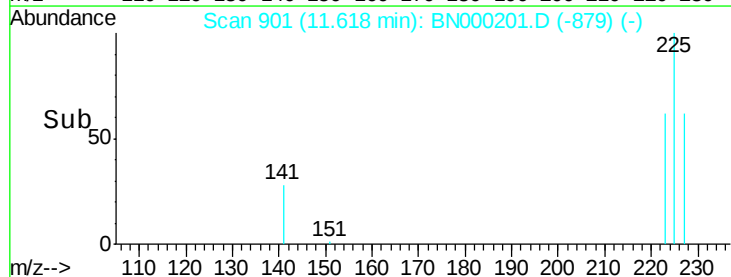
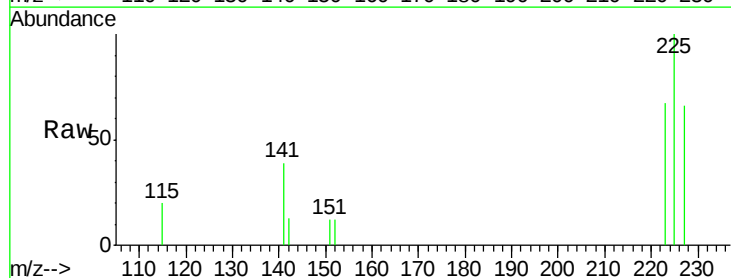
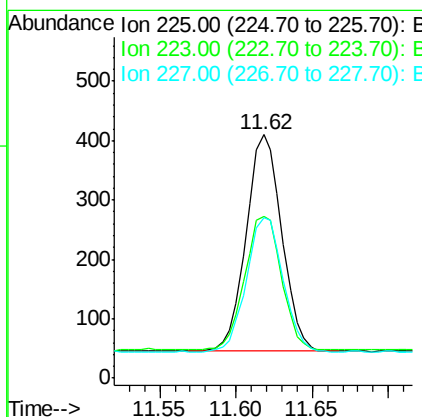
Manual Integrations  
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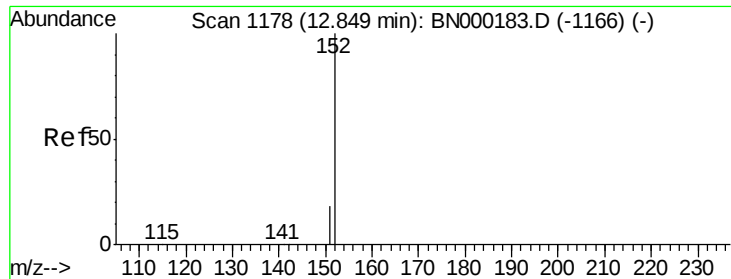
Sohil  
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#10  
Hexachlorobutadiene  
Concen: 0.058 ng  
RT: 11.62 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.8  | 53.0  | 79.6  |
| 227     | 63.7  | 51.4  | 77.2  |





#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.84 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

ClientSampleId :

MDL-W-05

Tgt Ion:152 Resp: 11322

Ion Ratio Lower Upper

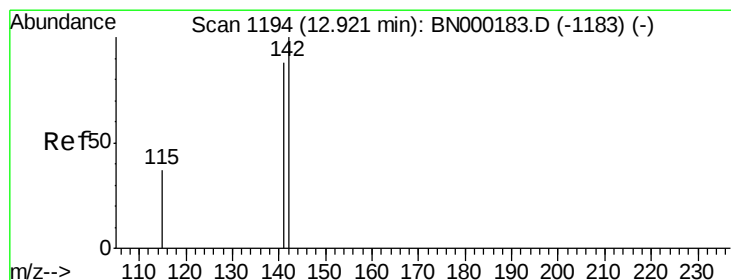
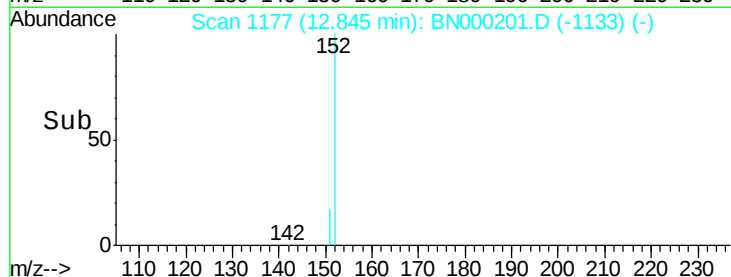
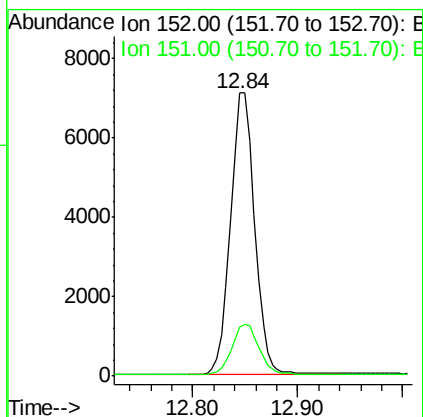
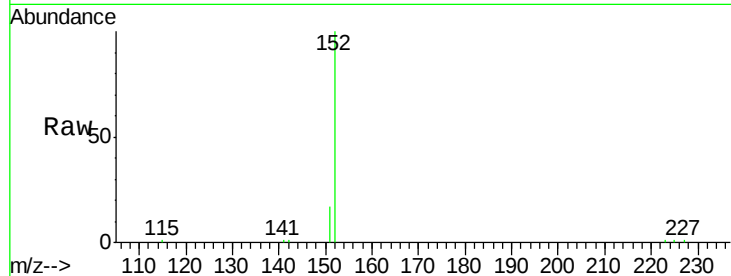
152 100

151 19.3 15.4 23.0

Manual Integrations  
APPROVED

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#12

2-Methylnaphthalene

Concen: 0.058 ng

RT: 12.92 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

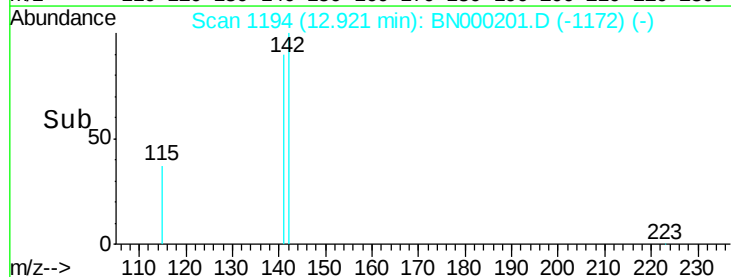
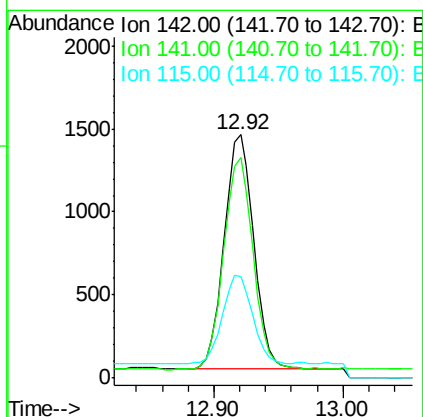
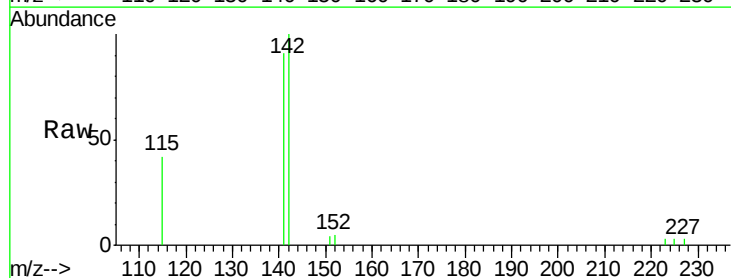
Tgt Ion:142 Resp: 2243

Ion Ratio Lower Upper

142 100

141 90.6 70.4 105.6

115 41.8 31.7 47.5





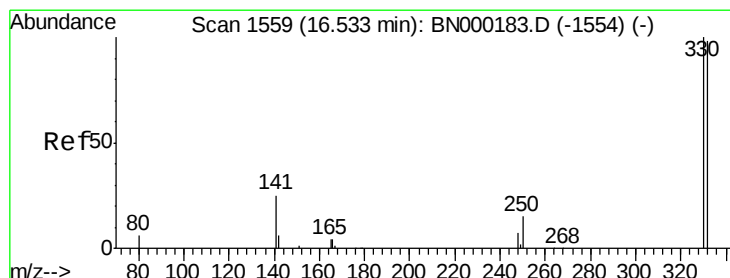
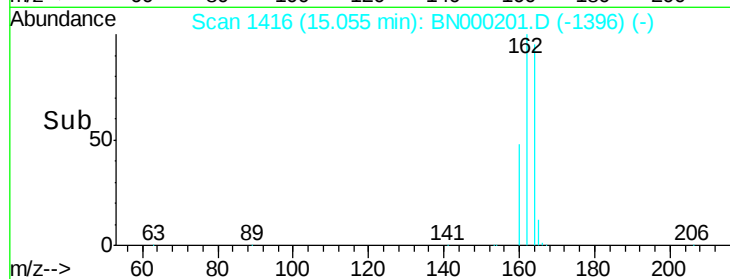
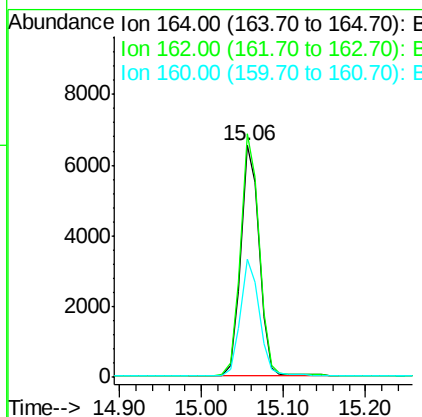
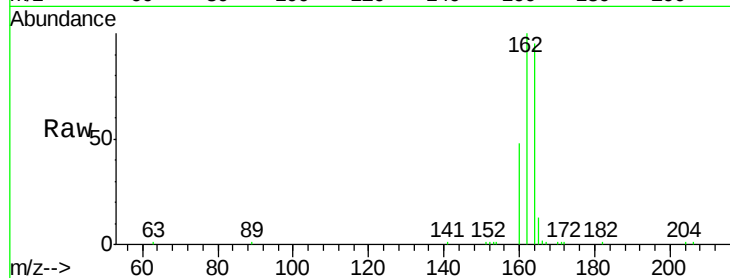
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 15.06 min Scan# 1416  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 83.1  | 124.7 |
| 160     | 50.9  | 37.1  | 55.7  |

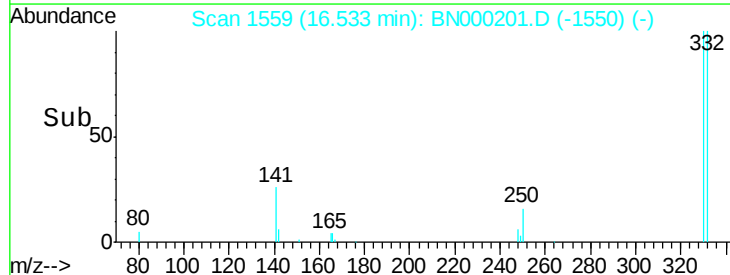
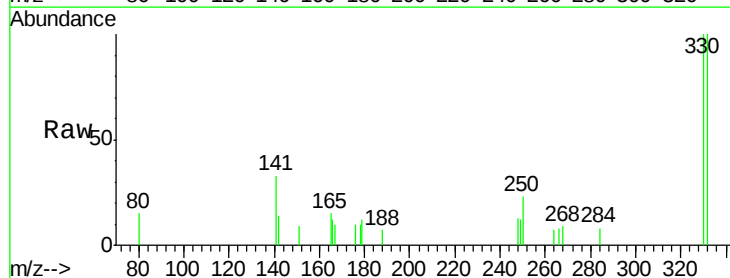
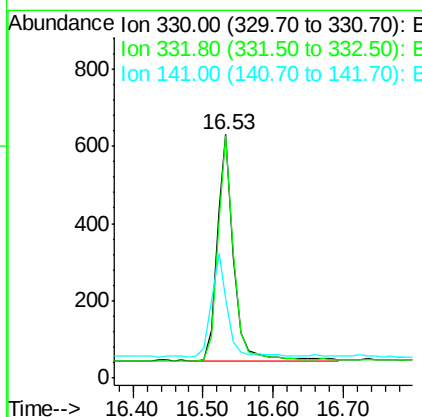
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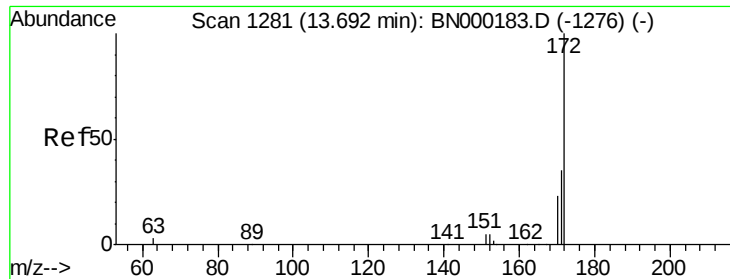
Sohil  
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#14  
2,4,6-Tribromophenol  
Concen: 0.303 ng  
RT: 16.53 min Scan# 1559  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 96.4  | 152.7 | 229.1# |
| 141     | 44.2  | 33.7  | 50.5   |





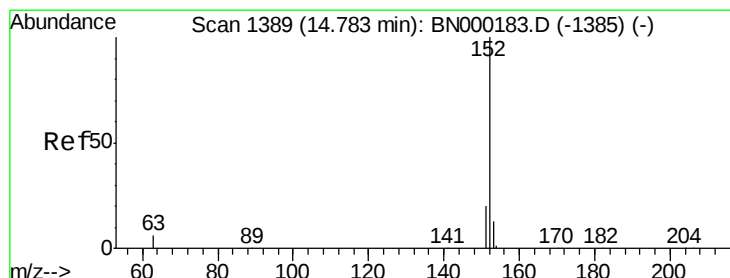
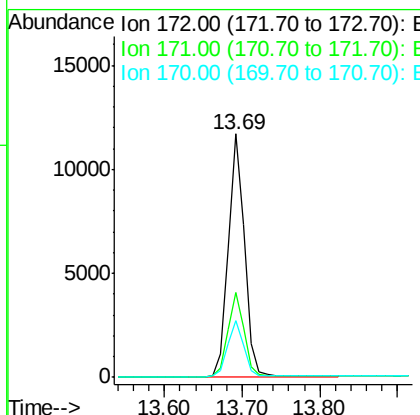
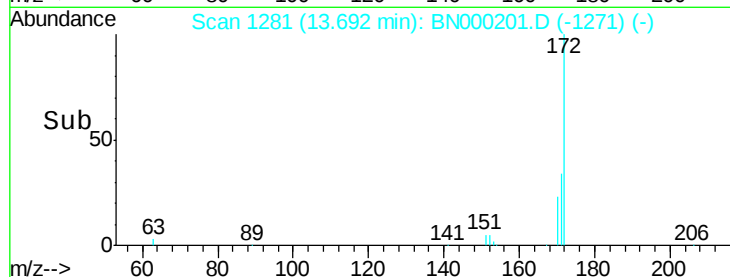
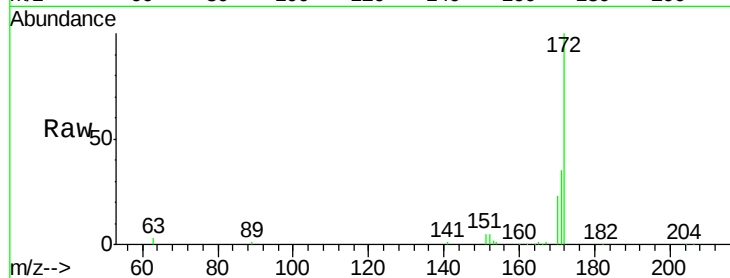
#15  
2-Fluorobiphenyl  
Concen: 0.360 ng  
RT: 13.69 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 29.9  | 44.9  |
| 170     | 23.3  | 21.8  | 32.8  |

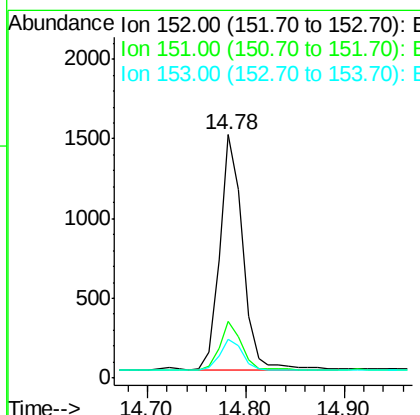
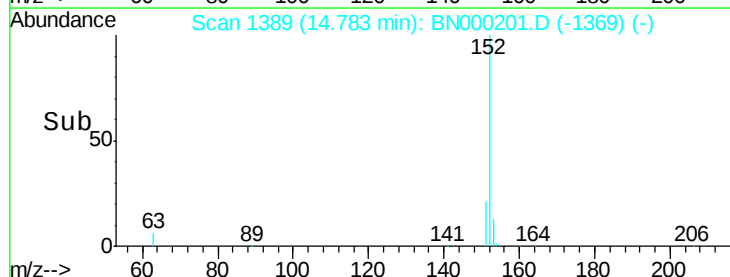
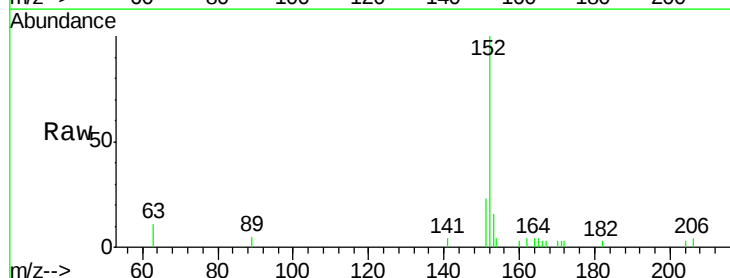
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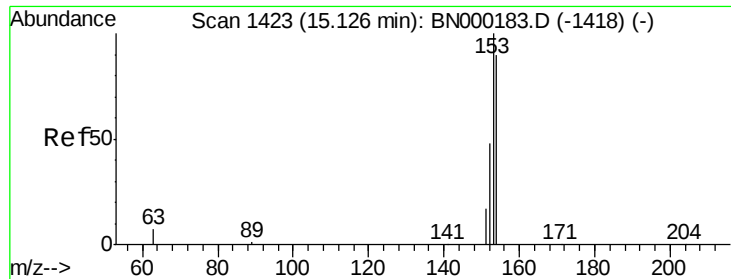
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#16  
Acenaphthylene  
Concen: 0.050 ng  
RT: 14.78 min Scan# 1389  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.7  | 23.5  |
| 153     | 13.3  | 10.5  | 15.7  |





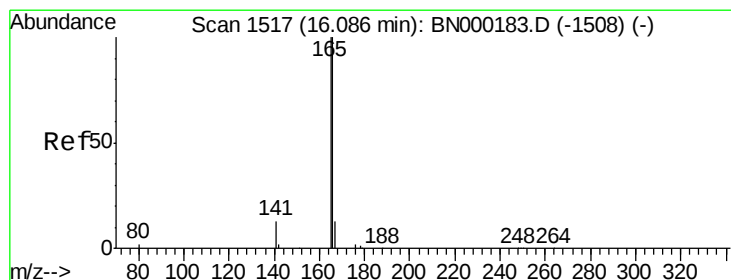
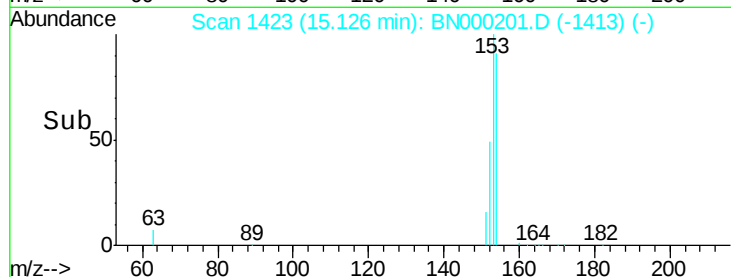
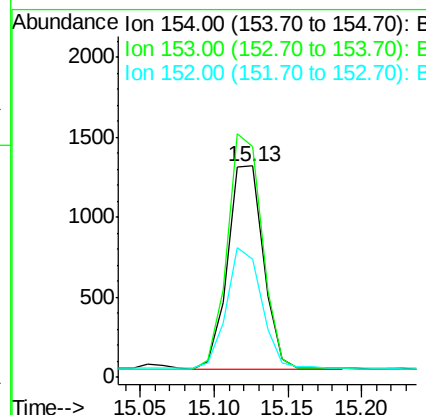
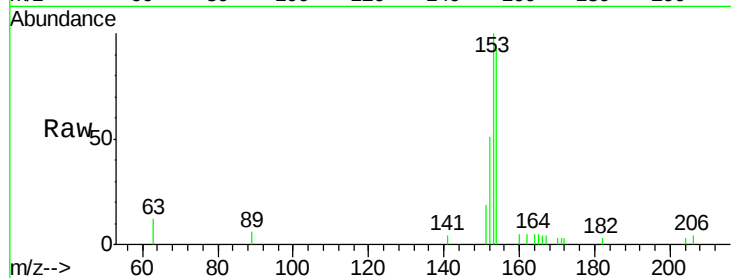
#17  
Acenaphthene  
Concen: 0.057 ng  
RT: 15.13 min Scan# 1423  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.5 | 89.2  | 133.8 |
| 152     | 58.5  | 42.0  | 63.0  |

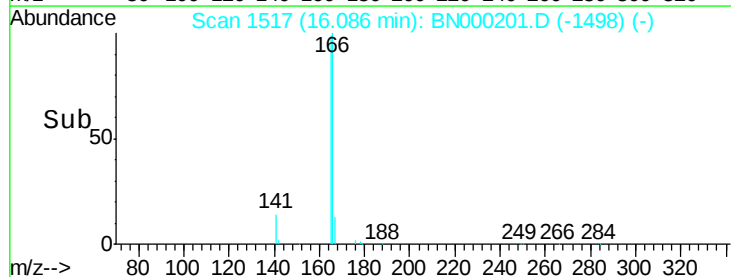
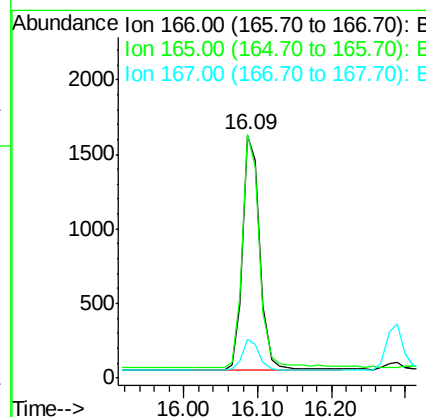
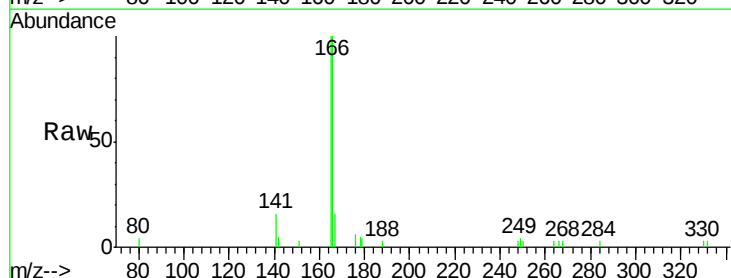
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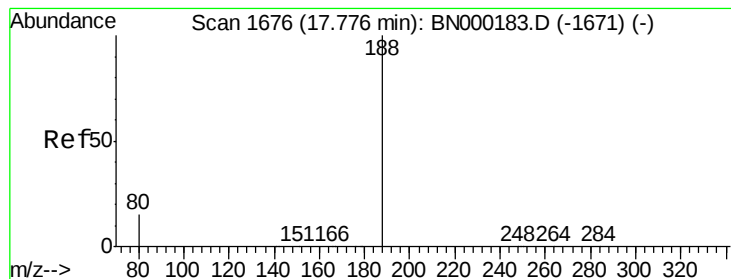
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#18  
Fluorene  
Concen: 0.056 ng  
RT: 16.09 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.7  | 77.8  | 116.6 |
| 167     | 13.5  | 42.4  | 63.6# |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.78 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

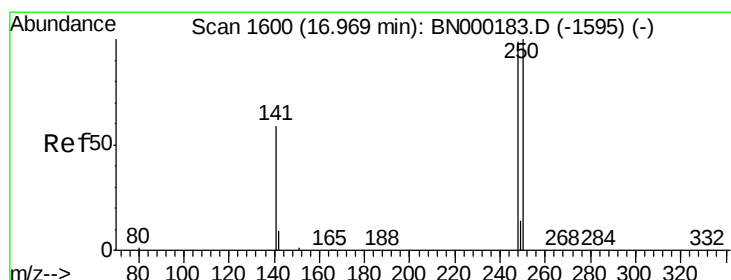
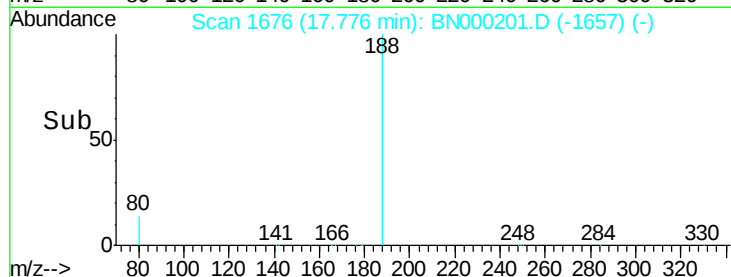
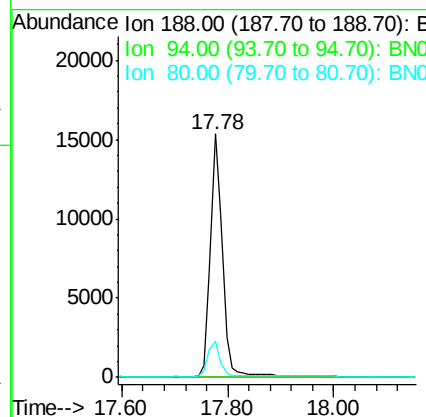
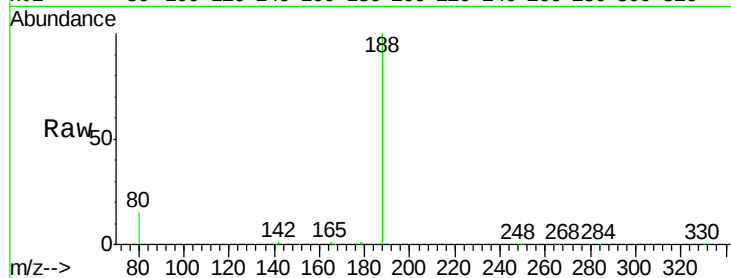
ClientSampleId :

MDL-W-05

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 188  | Resp: | 24325 |
| Ion Ratio |      | Lower | Upper |
| 188       | 100  |       |       |
| 94        | 0.0  | 3.9   | 5.9#  |
| 80        | 14.7 | 3.6   | 5.4#  |

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#20

4-Bromophenyl-phenylether

Concen: 0.051 ng

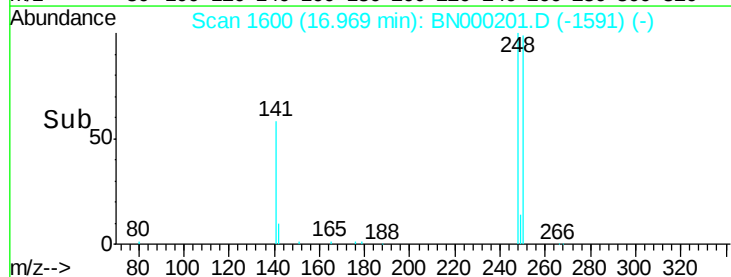
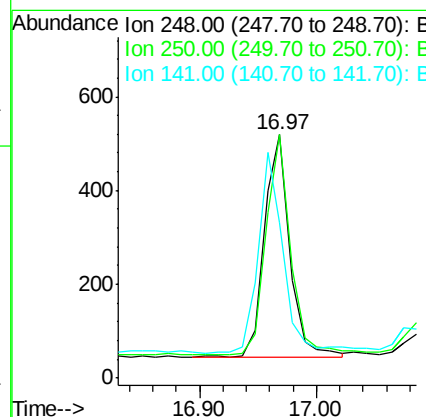
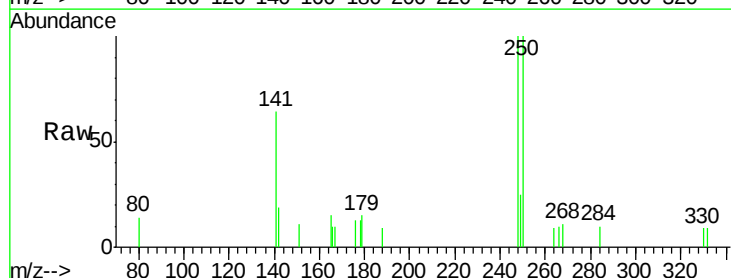
RT: 16.97 min Scan# 1600

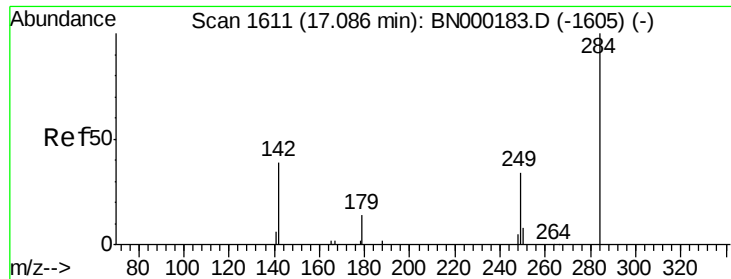
Delta R.T. 0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 716   |
| Ion Ratio |       | Lower | Upper |
| 248       | 100   |       |       |
| 250       | 100.0 | 62.7  | 94.1# |
| 141       | 64.0  | 48.2  | 72.2  |





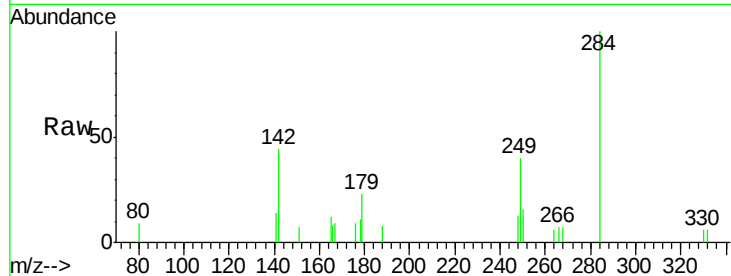
#21  
Hexachlorobenzene  
Concen: 0.054 ng  
RT: 17.09 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
ClientSampled :  
MDL-W-05

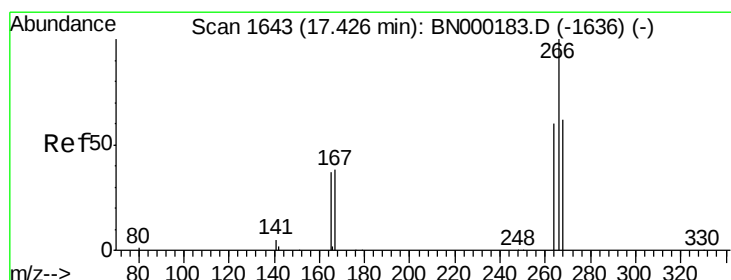
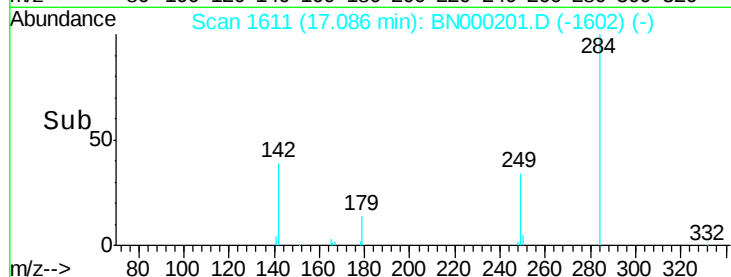
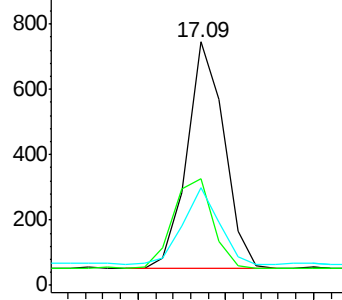
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 43.3  | 32.0  | 48.0  |
| 249     | 34.1  | 24.0  | 36.0  |

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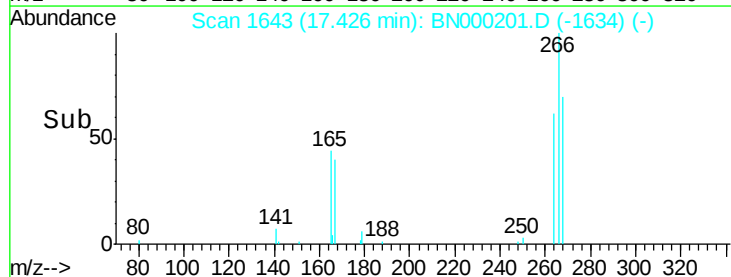
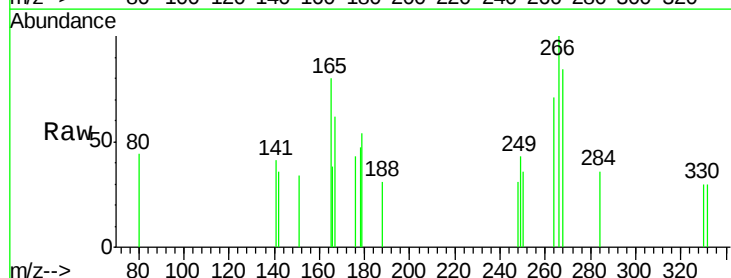
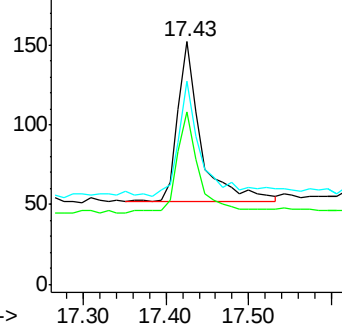
Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

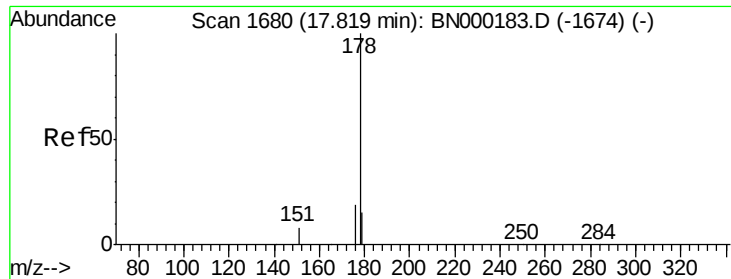


#22  
Pentachlorophenol  
Concen: 0.129 ng  
RT: 17.43 min Scan# 1643  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 71.1  | 48.0  | 72.0  |
| 268     | 83.6  | 52.0  | 78.0  |

Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.055 ng

RT: 17.82 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

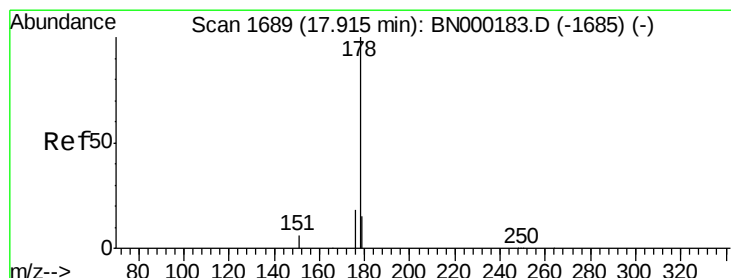
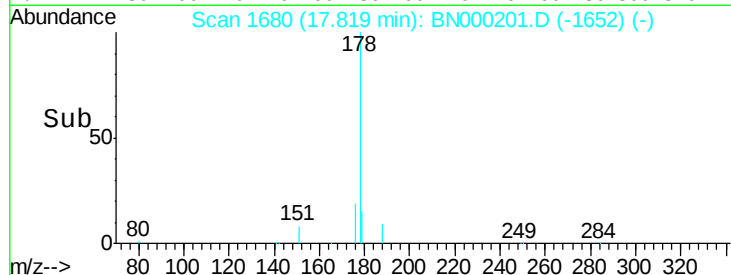
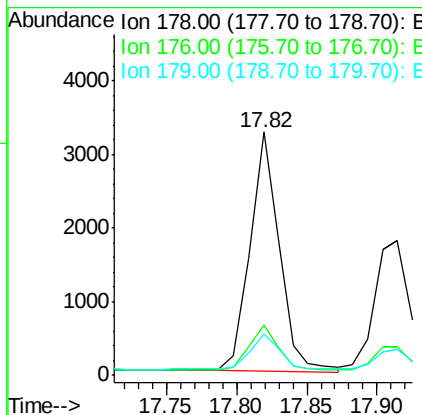
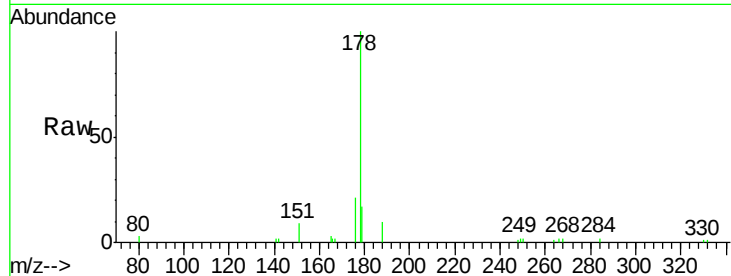
ClientSampleId :

MDL-W-05

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4727 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 19.9  | 15.1  | 22.7 |
| 179       | 15.6  | 11.8  | 17.6 |

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#24

Anthracene

Concen: 0.047 ng

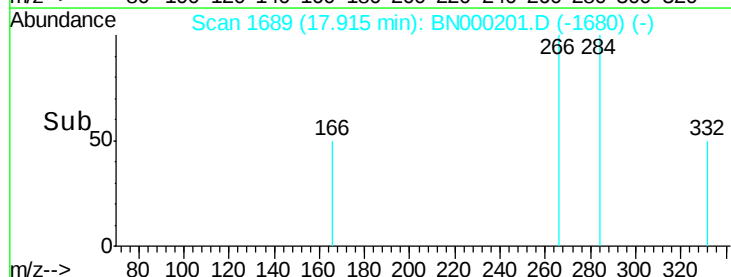
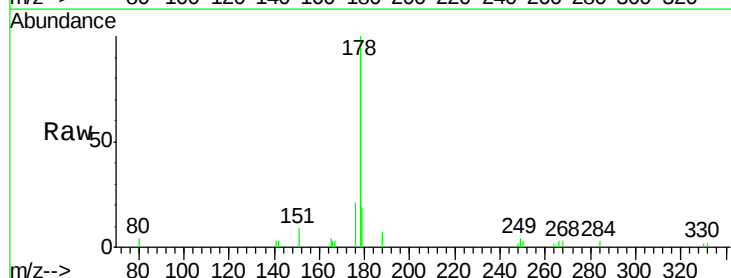
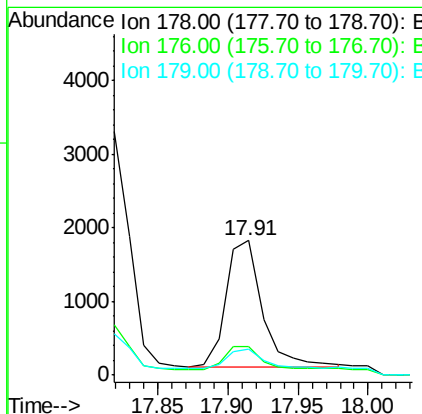
RT: 17.91 min Scan# 1689

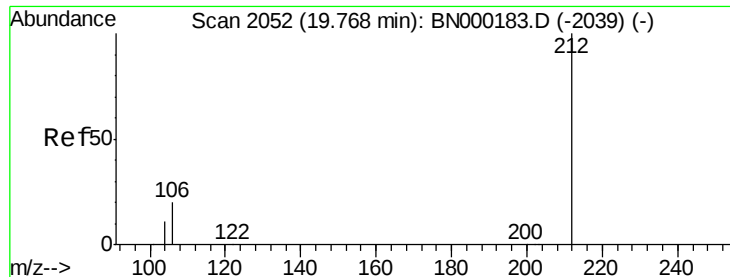
Delta R.T. 0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3056 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.9  | 12.8  | 19.2 |
| 179       | 14.7  | 13.0  | 19.6 |





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.77 min Scan# 2052

Delta R.T. 0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

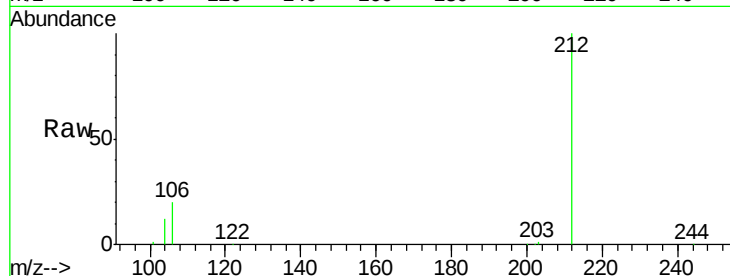
ClientSampled :

MDL-W-05

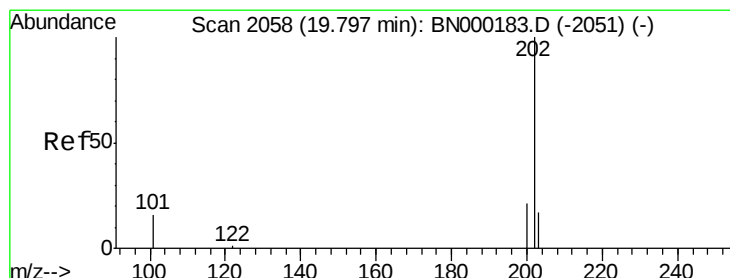
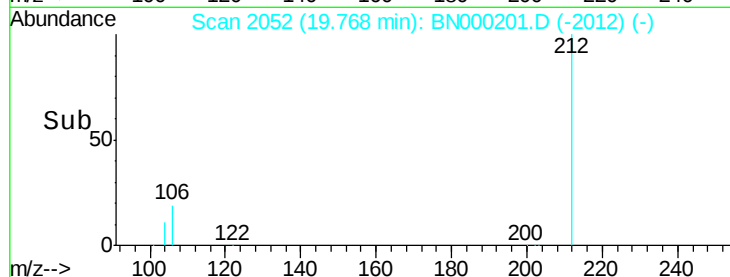
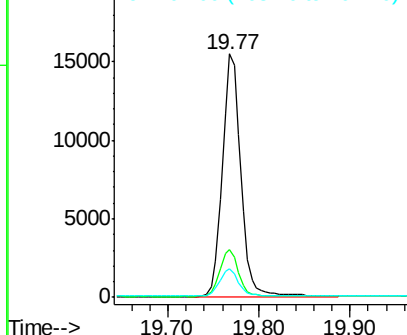
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 212     | 100   | 21826 |       |       |
| 106     | 19.3  | 2.8   | 4.2#  |       |
| 104     | 11.0  | 1.6   | 2.4#  |       |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.052 ng

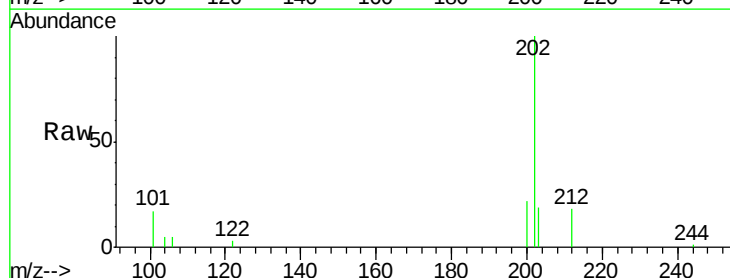
RT: 19.80 min Scan# 2058

Delta R.T. 0.00 min

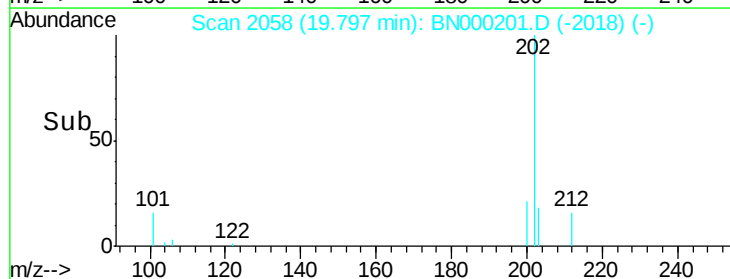
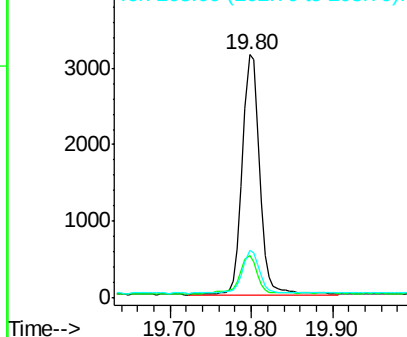
Lab File: BN000201.D

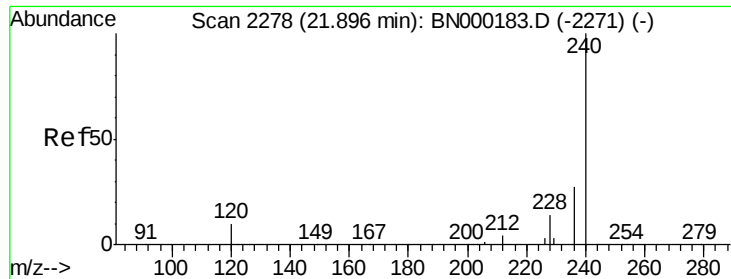
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 4646 |       |       |
| 101     | 16.6  | 9.8  | 14.8# |       |
| 203     | 18.1  | 13.7 | 20.5  |       |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.90 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

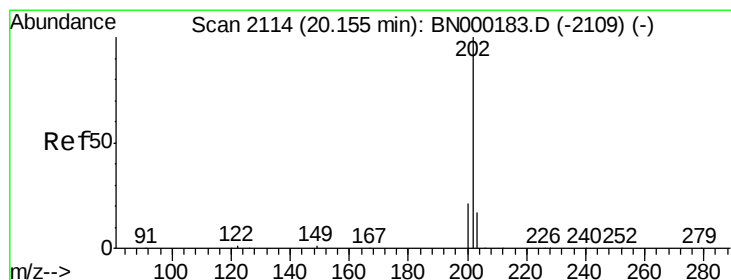
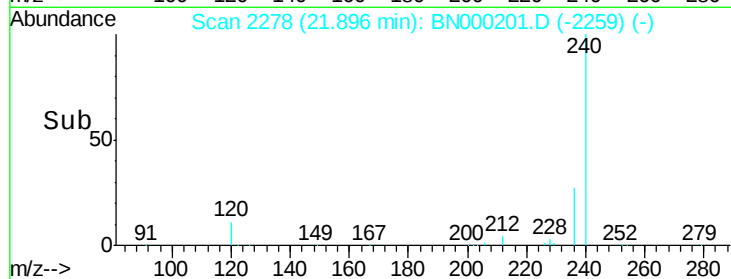
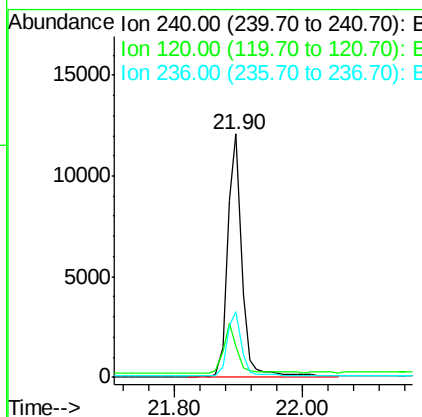
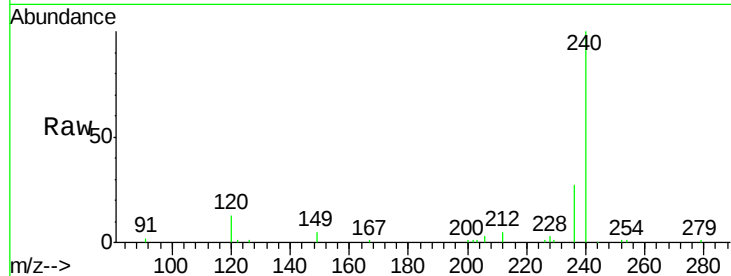
ClientSampled :

MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.6  | 5.5   | 8.3#  |
| 236     | 27.2  | 20.7  | 31.1  |

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#28

Pyrene

Concen: 0.064 ng

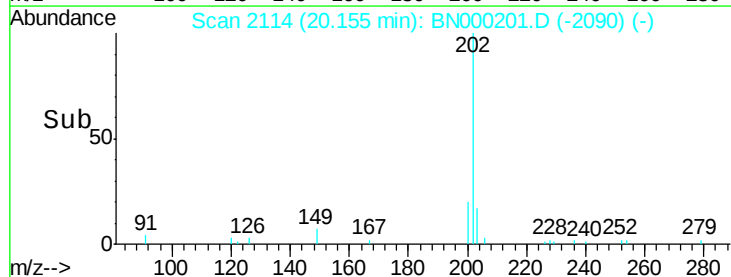
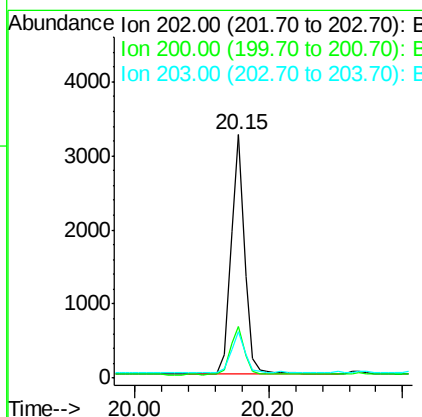
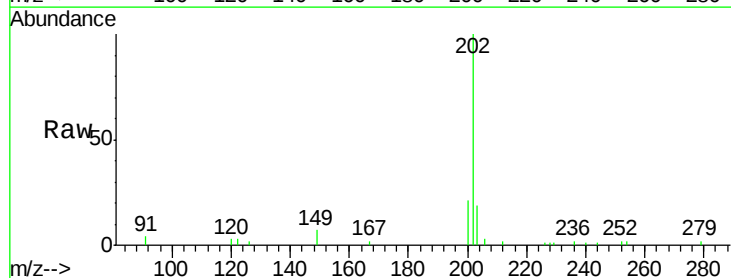
RT: 20.15 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 16.6  | 25.0  |
| 203     | 18.1  | 13.8  | 20.8  |





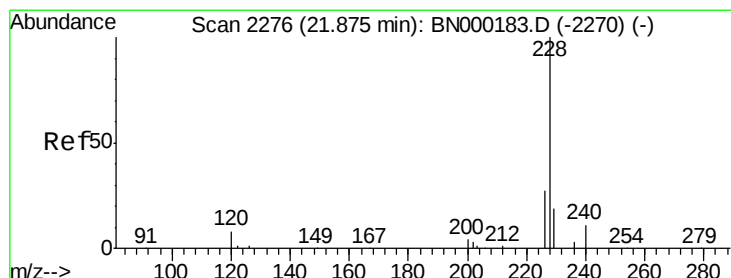
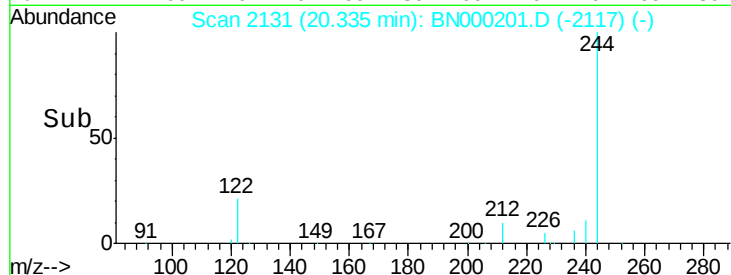
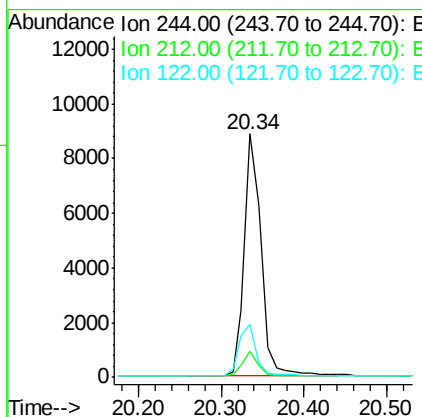
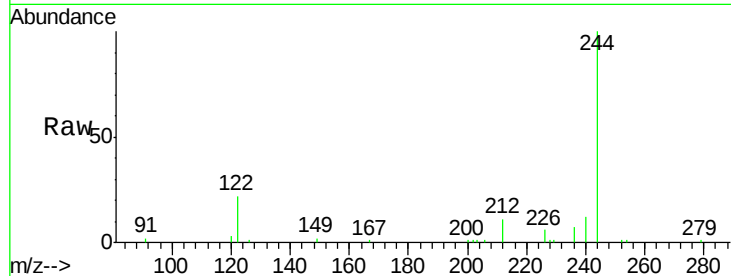
#29  
 Terphenyl-d14  
 Concen: 0.392 ng  
 RT: 20.34 min Scan# 2131  
 Delta R.T. 0.00 min  
 Lab File: BN000201.D  
 Acq: 28 Feb 2018 11:51

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.7  | 25.4  | 38.0# |
| 122     | 22.0  | 8.1   | 12.1# |

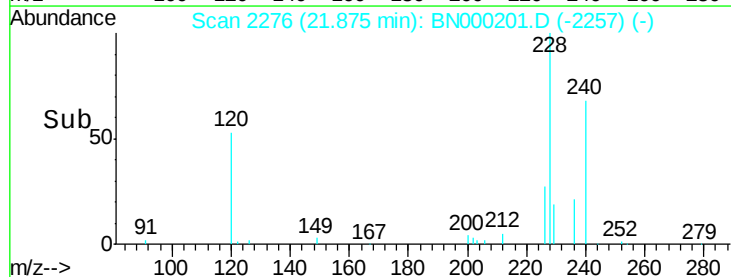
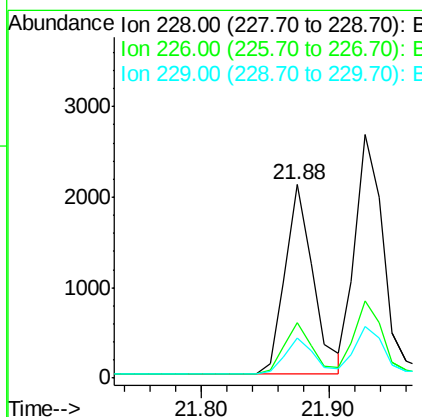
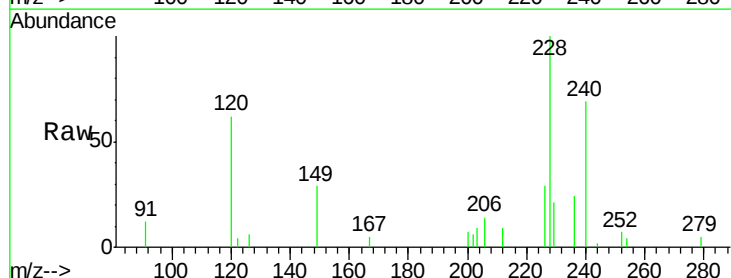
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#30  
 Benzo(a)anthracene  
 Concen: 0.055 ng  
 RT: 21.88 min Scan# 2276  
 Delta R.T. 0.00 min  
 Lab File: BN000201.D  
 Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.8  | 24.0  | 36.0  |
| 229     | 20.9  | 16.0  | 24.0  |





#31

Chrysene

Concen: 0.059 ng

RT: 21.93 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

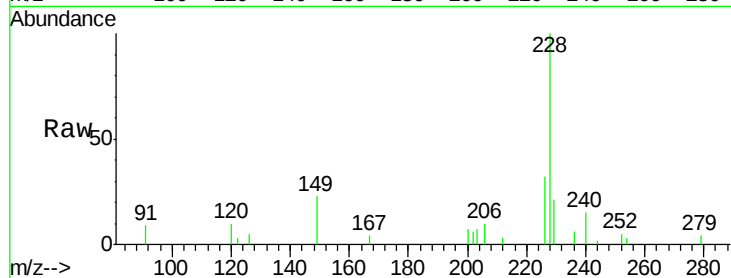
ClientSampled :

MDL-W-05

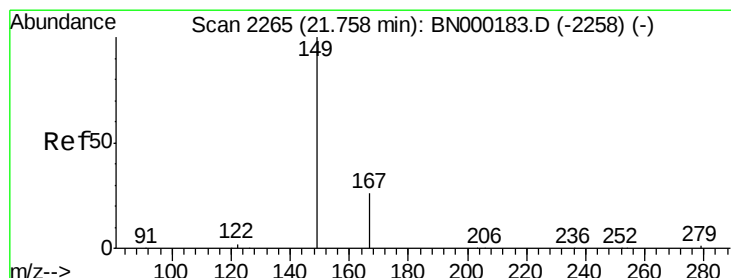
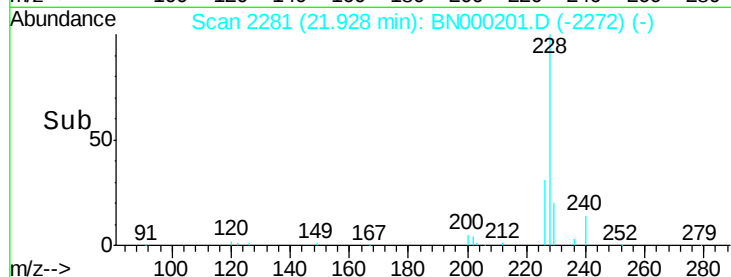
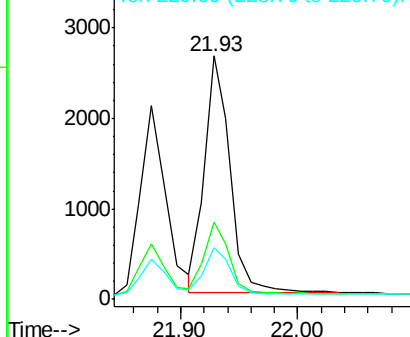
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 3964 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.8  | 24.0  | 36.0 |
| 229       | 21.2  | 16.0  | 24.0 |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.072 ng

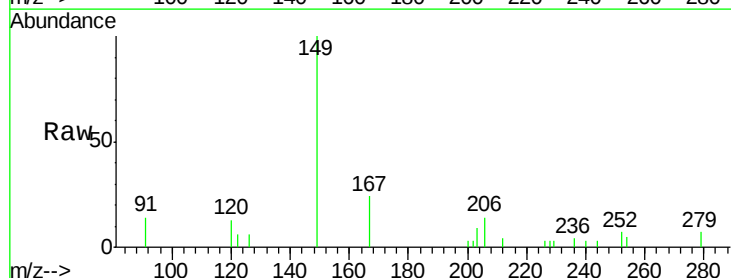
RT: 21.76 min Scan# 2265

Delta R.T. -0.00 min

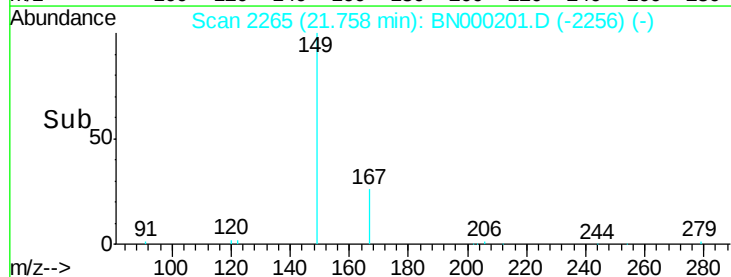
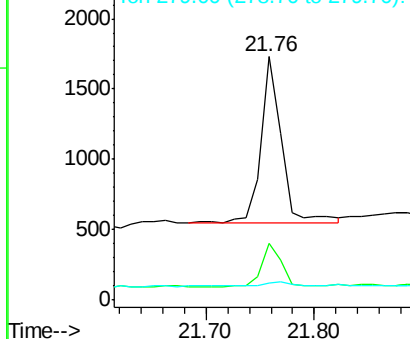
Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 1550 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 25.5  | 20.0  | 30.0 |
| 279       | 3.1   | 1.6   | 2.4# |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





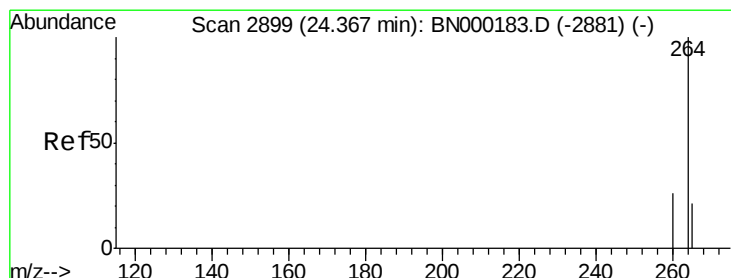
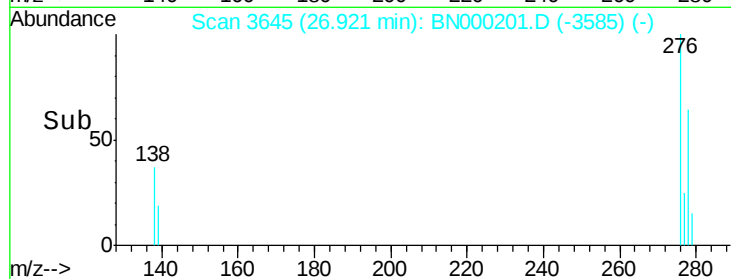
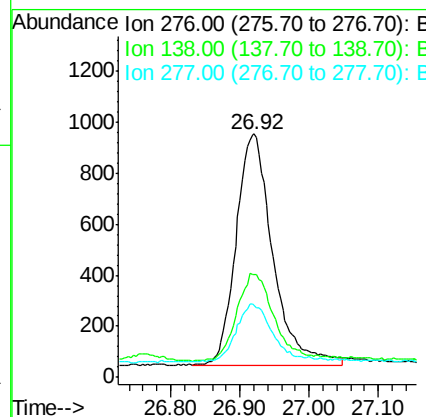
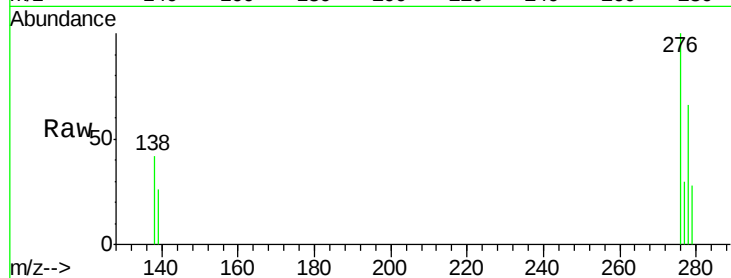
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.053 ng  
RT: 26.92 min Scan# 3645  
Delta R.T. 0.01 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 38.0  | 22.5  | 33.7# |
| 277     | 24.1  | 19.9  | 29.9  |

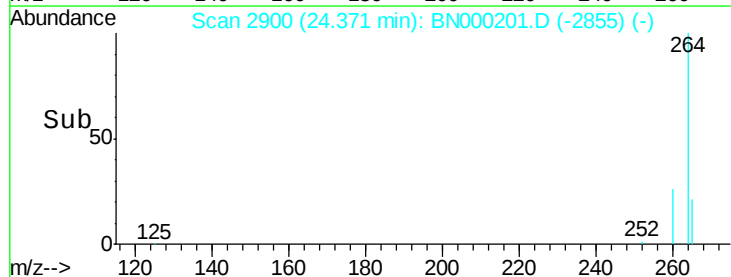
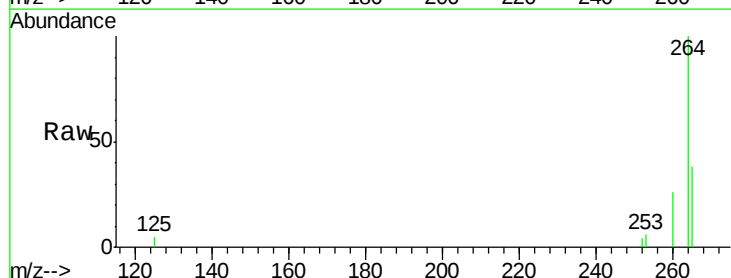
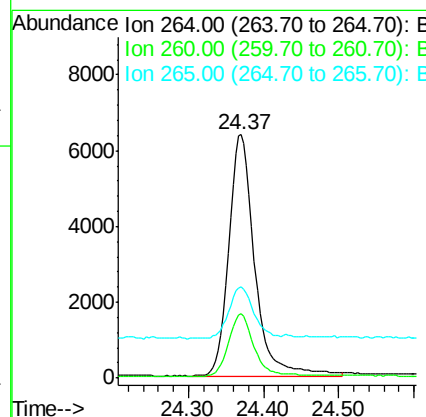
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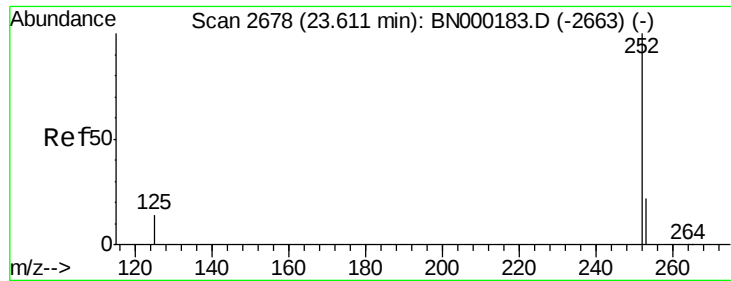
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.37 min Scan# 2900  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.3  | 20.5  | 30.7  |
| 265     | 37.7  | 22.8  | 34.2# |





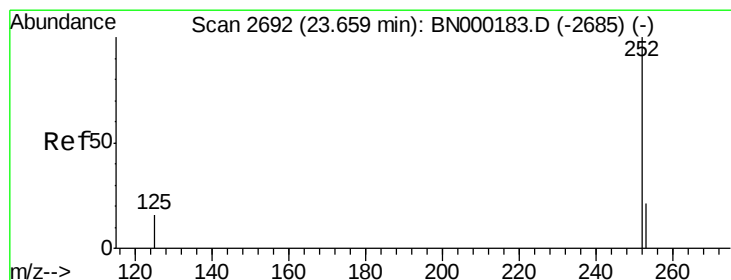
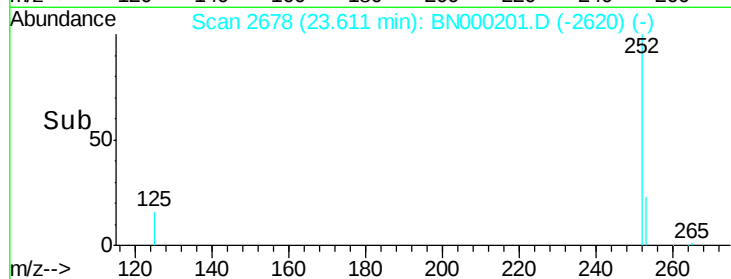
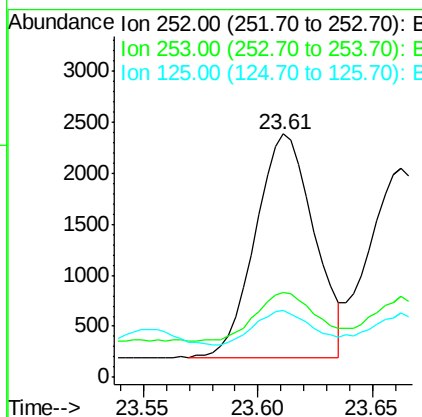
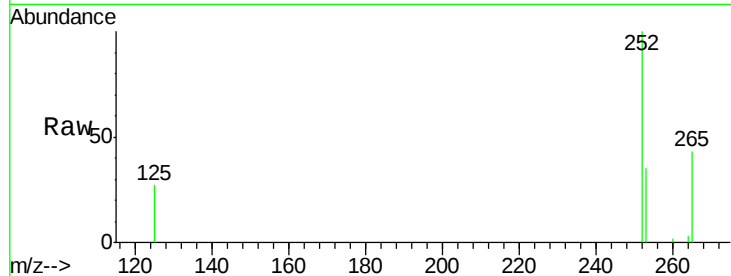
#35  
Benzo(b)fluoranthene  
Concen: 0.057 ng  
RT: 23.61 min Scan# 2678  
Delta R.T. -0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 34.8  | 20.0  | 30.0# |
| 125     | 27.3  | 16.0  | 24.0# |

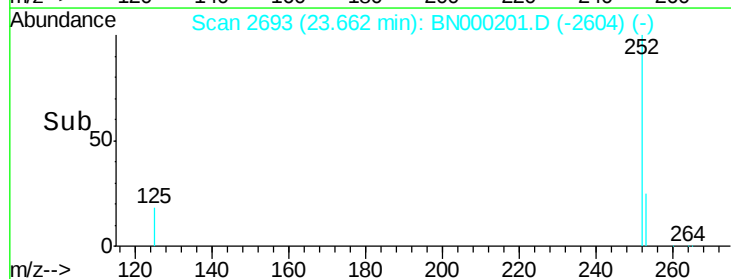
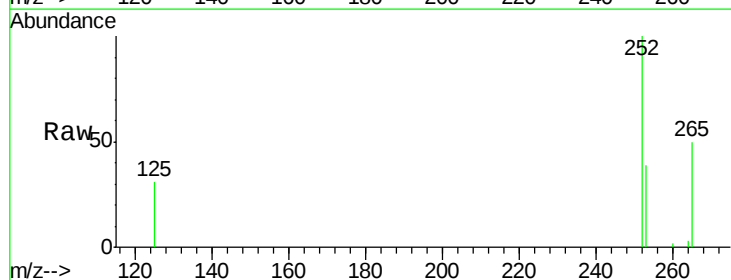
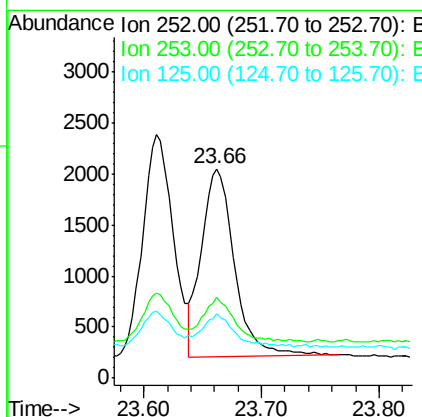
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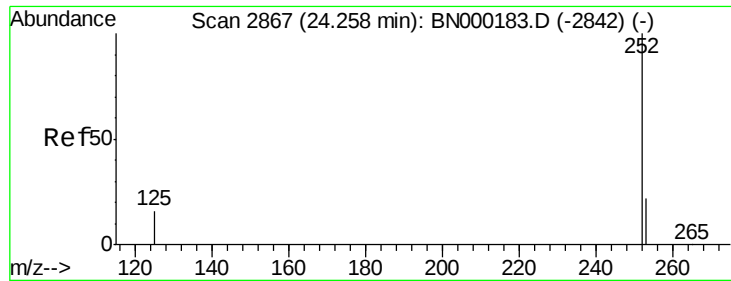
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#36  
Benzo(k)fluoranthene  
Concen: 0.054 ng  
RT: 23.66 min Scan# 2693  
Delta R.T. 0.00 min  
Lab File: BN000201.D  
Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 38.6  | 16.0  | 24.0# |
| 125     | 30.8  | 8.0   | 12.0# |





#37

Benzo(a)pyrene

Concen: 0.052 ng

RT: 24.26 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BN000201.D

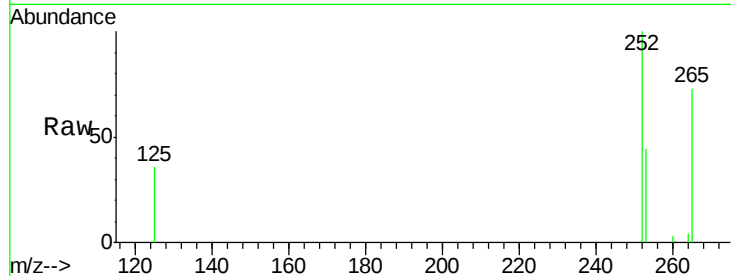
Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

ClientSampleId :

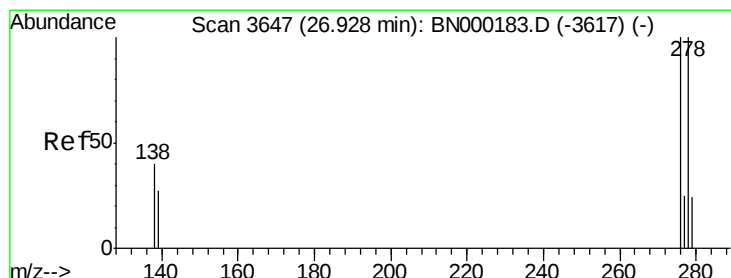
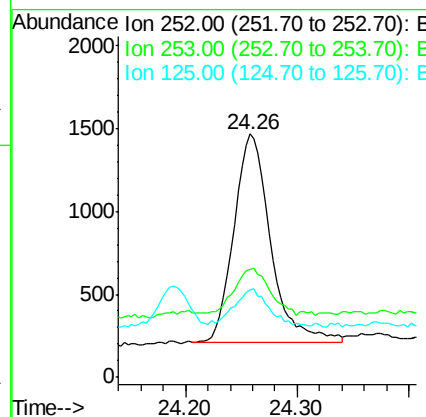
MDL-W-05



| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 252     | 100   | 2885 |       |       |
| 253     | 44.1  | 16.0 | 24.0# |       |
| 125     | 35.8  | 12.0 | 18.0# |       |

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#38

Dibenzo(a,h)anthracene

Concen: 0.050 ng

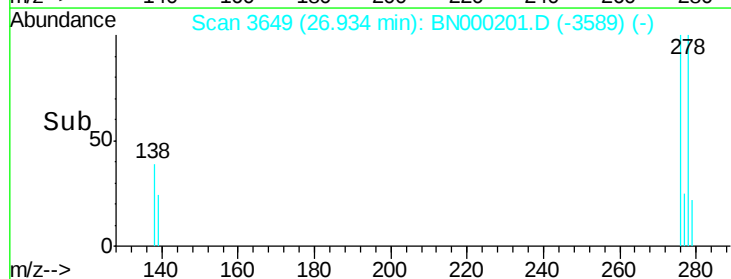
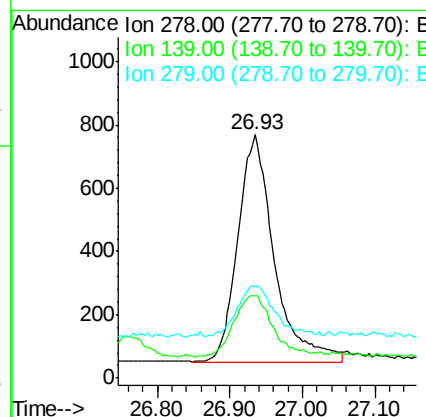
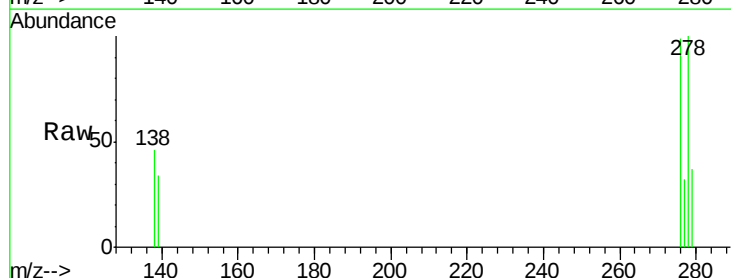
RT: 26.93 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BN000201.D

Acq: 28 Feb 2018 11:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 278     | 100   | 2505 |       |       |
| 139     | 33.7  | 16.0 | 24.0# |       |
| 279     | 37.5  | 20.0 | 30.0# |       |





#39

Benzo(g,h,i)perylene

Concen: 0.058 ng

RT: 27.70 min Scan# 3874

Delta R.T. 0.00 min

Lab File: BN000201.D

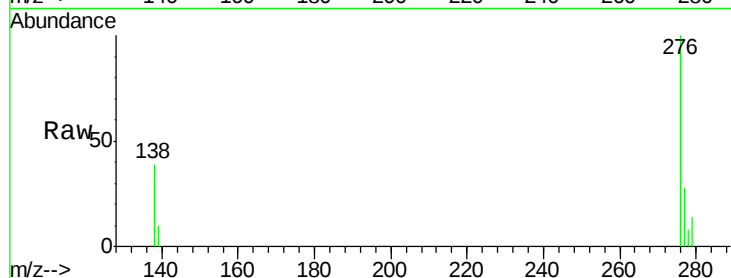
Acq: 28 Feb 2018 11:51

Instrument :

BNA\_N

ClientSampleId :

MDL-W-05



Tgt Ion: 276 Resp: 3393

Ion Ratio Lower Upper

276 100

277 28.0 16.0 24.0#

138 38.7 20.0 30.0#

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