

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012020\  
 Data File : BN009403.D  
 Acq On : 20 Jan 2020 15:13  
 Operator : JU  
 Sample : K5111-07  
 Misc : 0.1 LOD  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2019

Manual Integrations  
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 1/21/2020 2:54:39 PM

Quant Time: Jan 20 17:44:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 20 16:23:23 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.48  | 152  | 1182     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.24 | 136  | 3890     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.11 | 164  | 2511     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.87 | 188  | 5710     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.07 | 240  | 4920     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.19 | 264  | 4999     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.12  | 112  | 908      | 0.33  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.69  | 99   | 881      | 0.28  | ng    | 0.02     |
| 8) Nitrobenzene-d5             | 8.66  | 82   | 871      | 0.28  | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10    | 11.85 | 152  | 2051     | 0.27  | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol       | 15.64 | 330  | 263      | 0.28  | ng    | 0.02     |
| 15) 2-Fluorobiphenyl           | 12.74 | 172  | 2920     | 0.31  | ng    | 0.02     |
| 25) Fluoranthene-d10           | 18.90 | 212  | 5069     | 0.26  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.52 | 244  | 4136     | 0.35  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.14  | 88   | 119      | 0.097 | ng    | # 69     |
| 3) n-Nitrosodimethylamine      | 3.51  | 42   | 155m     | 0.081 | ng    |          |
| 6) bis(2-Chloroethyl)ether     | 6.94  | 93   | 226m     | 0.070 | ng    |          |
| 9) Naphthalene                 | 10.29 | 128  | 938      | 0.089 | ng    | # 72     |
| 10) Hexachlorobutadiene        | 10.57 | 225  | 212      | 0.092 | ng    | # 94     |
| 12) 2-Methylnaphthalene        | 11.93 | 142  | 594      | 0.081 | ng    | # 92     |
| 16) Acenaphthylene             | 13.83 | 152  | 860      | 0.079 | ng    | 98       |
| 17) Acenaphthene               | 14.17 | 154  | 617      | 0.081 | ng    | 96       |
| 18) Fluorene                   | 15.18 | 166  | 820      | 0.083 | ng    | 99       |
| 20) 4-Bromophenyl-phenylether  | 16.08 | 248  | 243      | 0.071 | ng    | # 87     |
| 21) Hexachlorobenzene          | 16.18 | 284  | 281      | 0.077 | ng    | 95       |
| 22) Pentachlorophenol          | 16.59 | 266  | 172      | 0.167 | ng    | 89       |
| 23) Phenanthrene               | 16.91 | 178  | 1361     | 0.079 | ng    | 99       |
| 24) Anthracene                 | 17.02 | 178  | 1031     | 0.072 | ng    | 99       |
| 26) Fluoranthene               | 18.93 | 202  | 1659     | 0.082 | ng    | 97       |
| 28) Pyrene                     | 19.30 | 202  | 1679     | 0.090 | ng    | 99       |
| 30) Benzo(a)anthracene         | 21.07 | 228  | 1270m    | 0.079 | ng    |          |
| 31) Chrysene                   | 21.11 | 228  | 1723m    | 0.093 | ng    |          |
| 32) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 683      | 0.096 | ng    | 94       |
| 33) Indeno(1,2,3-cd)pyrene     | 25.30 | 276  | 1553     | 0.081 | ng    | 96       |
| 35) Benzo(b)fluoranthene       | 22.57 | 252  | 1323     | 0.072 | ng    | # 55     |
| 36) Benzo(k)fluoranthene       | 22.62 | 252  | 1954m    | 0.096 | ng    |          |
| 37) Benzo(a)pyrene             | 23.11 | 252  | 1366     | 0.084 | ng    | # 35     |
| 38) Dibenzo(a,h)anthracene     | 25.31 | 278  | 1202     | 0.074 | ng    | # 35     |
| 39) Benzo(g,h,i)perylene       | 25.91 | 276  | 1468     | 0.082 | ng    | # 80     |

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

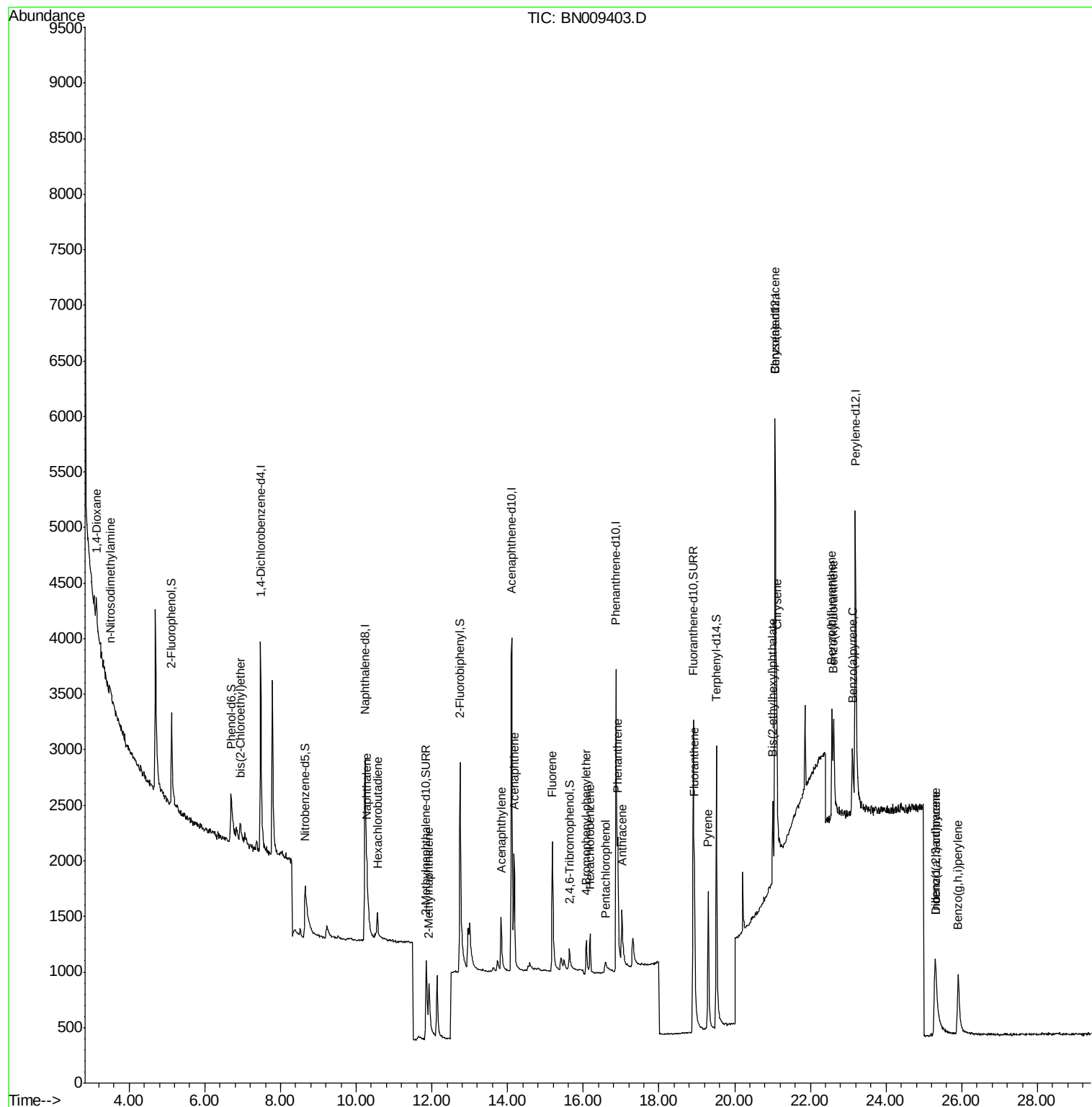
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012020\  
 Data File : BN009403.D  
 Acq On : 20 Jan 2020 15:13  
 Operator : JU  
 Sample : K5111-07  
 Misc : 0.1 LOD  
 ALS Vial : 7 Sample Multiplier: 1

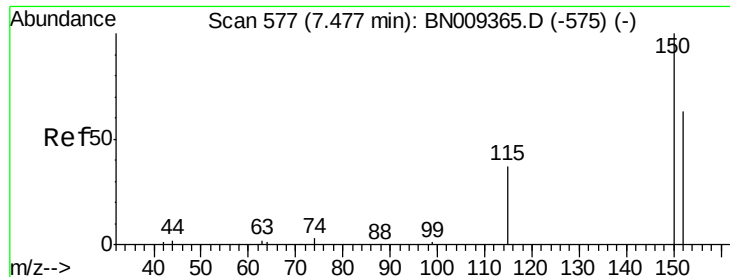
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2019

Manual Integrations  
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Quant Time: Jan 20 17:44:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 20 16:23:23 2020  
 Response via : Initial Calibration





#1

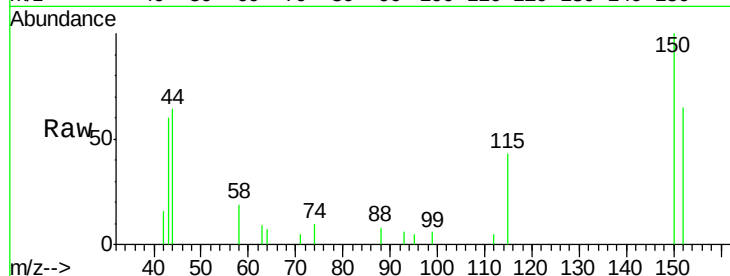
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.48 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

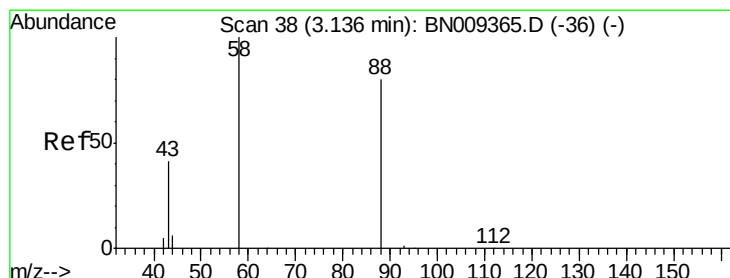
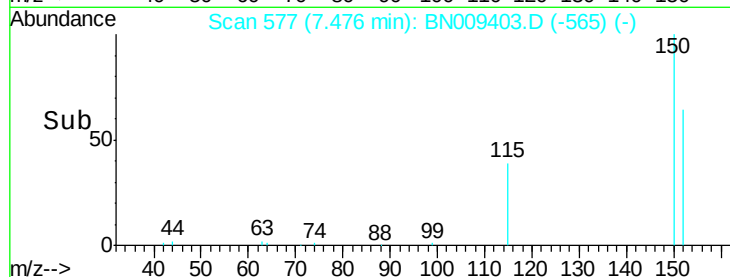
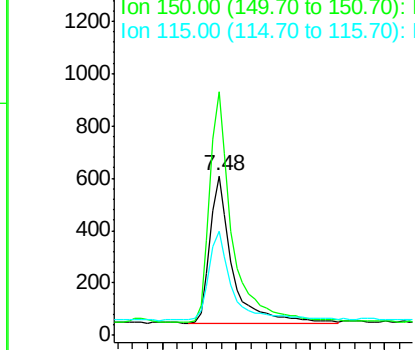
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.0 | 125.7 | 188.5 |
| 115     | 65.1  | 53.3  | 79.9  |

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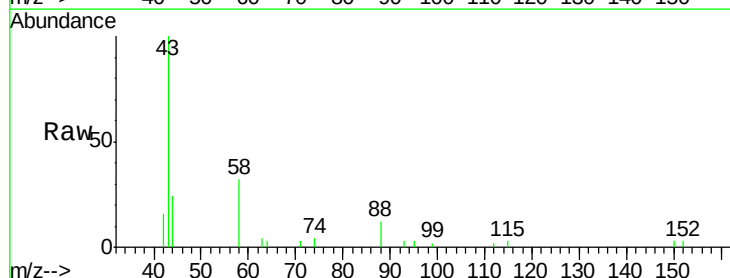
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



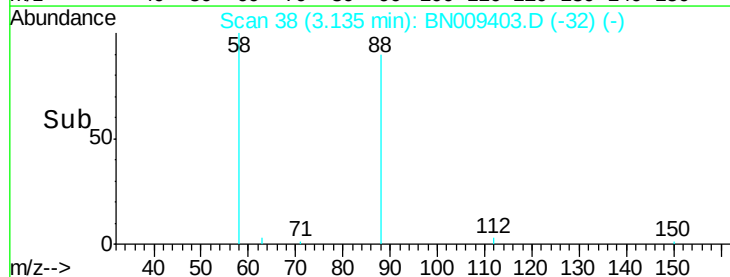
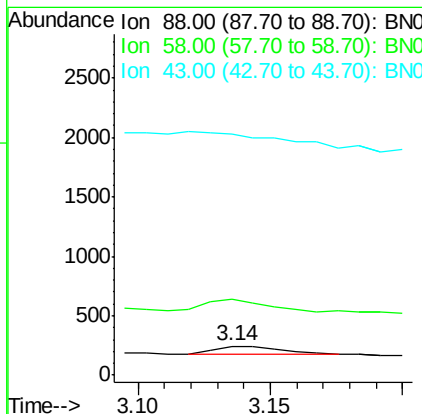
#2

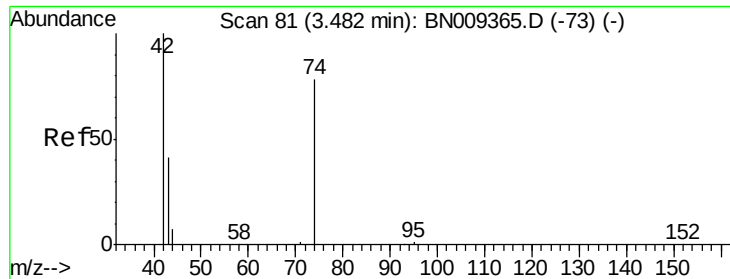
1,4-Dioxane  
Concen: 0.097 ng  
RT: 3.14 min Scan# 38  
Delta R.T. -0.00 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 139.5 | 100.2 | 150.2 |
| 43      | 0.0   | 43.1  | 64.7# |



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





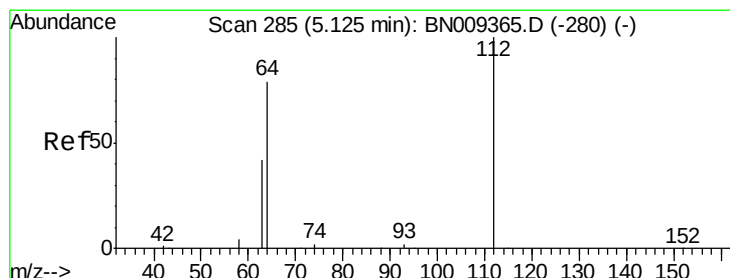
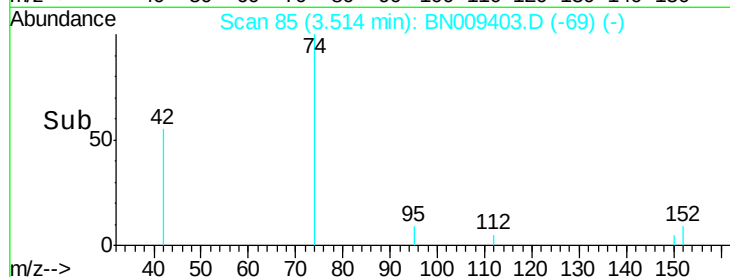
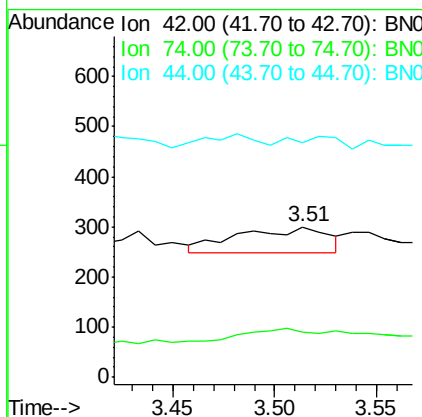
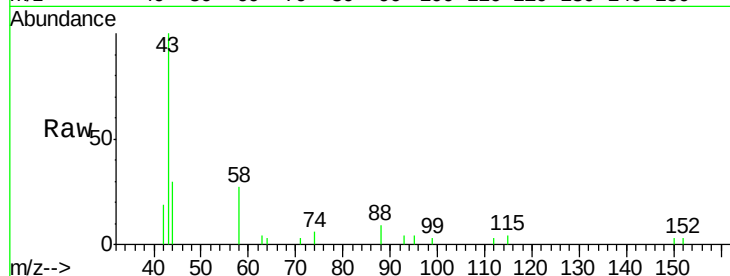
#3  
n-Nitrosodimethylamine  
Concen: 0.081 ng/ml  
RT: 3.51 min Scan# 85  
Delta R.T. 0.03 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 0.0   | 55.8  | 83.8# |
| 44      | 31.6  | 11.1  | 16.7# |

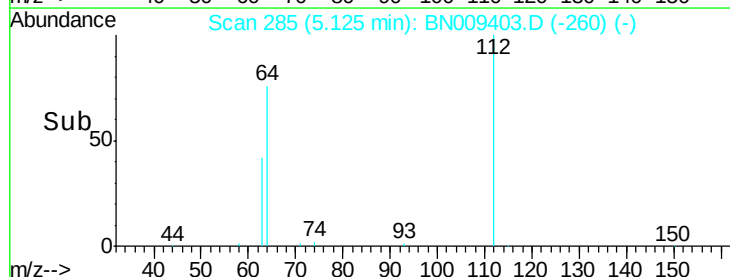
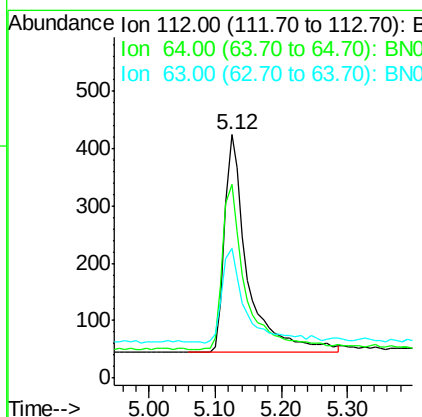
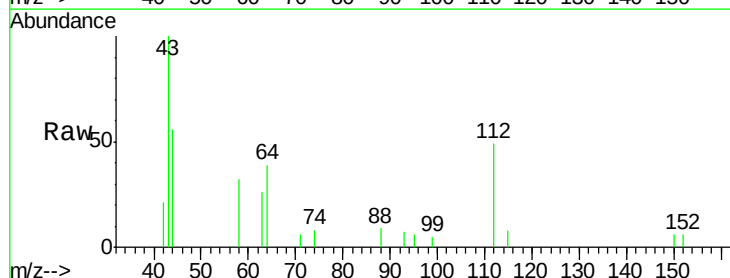
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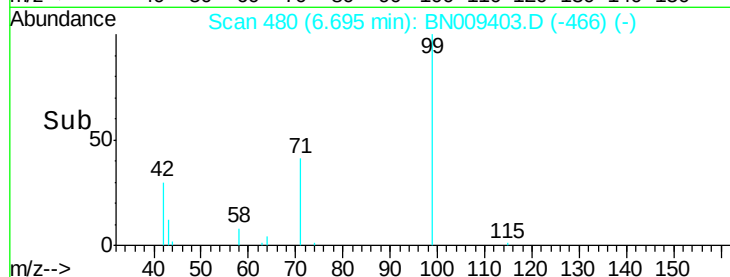
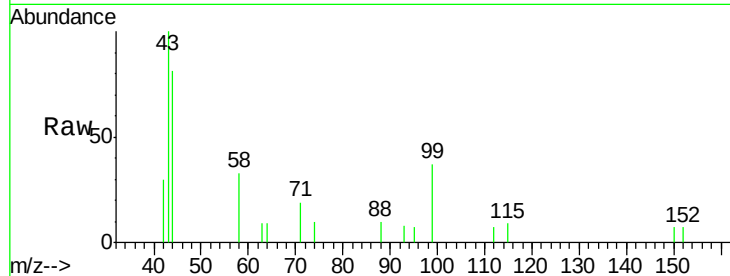
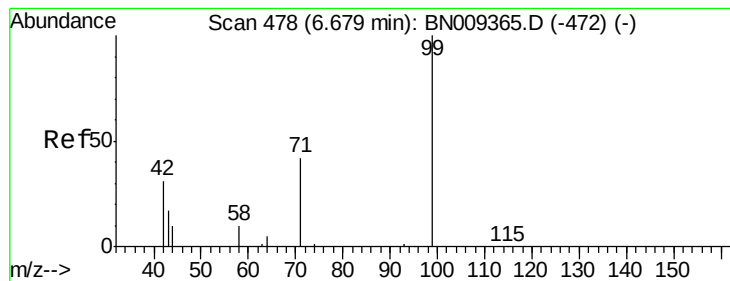
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#4  
2-Fluorophenol  
Concen: 0.334 ng/ml  
RT: 5.12 min Scan# 285  
Delta R.T. -0.00 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 77.1  | 61.5  | 92.3  |
| 63      | 45.2  | 35.0  | 52.4  |





#5

Phenol-d6

Concen: 0.280 ng

RT: 6.69 min Scan# 480

Delta R.T. 0.02 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 881   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 35.0  | 27.6  | 41.4  |
| 71       | 41.2  | 33.0  | 49.6  |

Instrument :

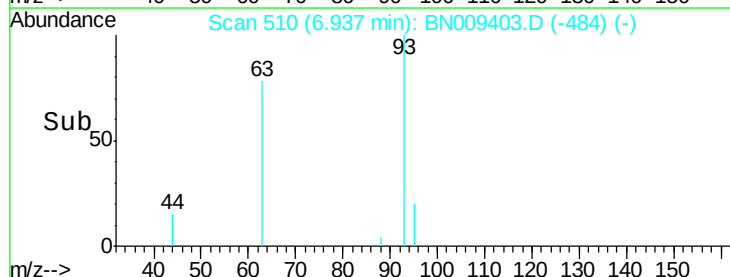
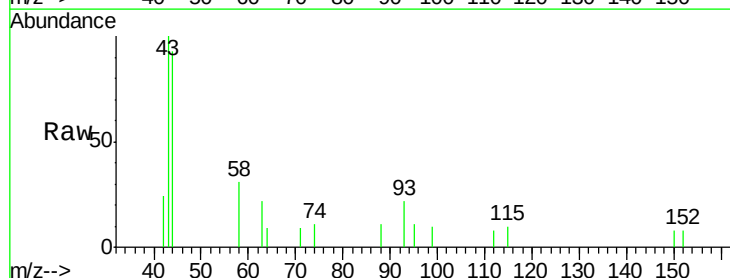
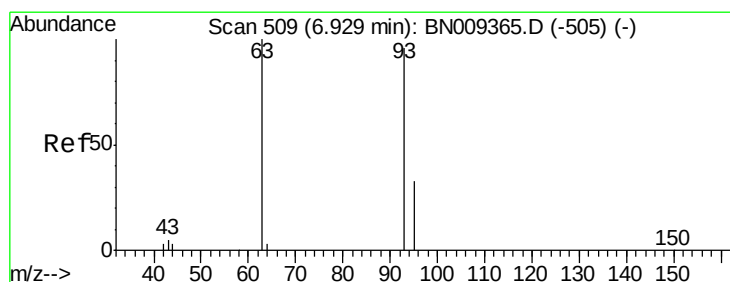
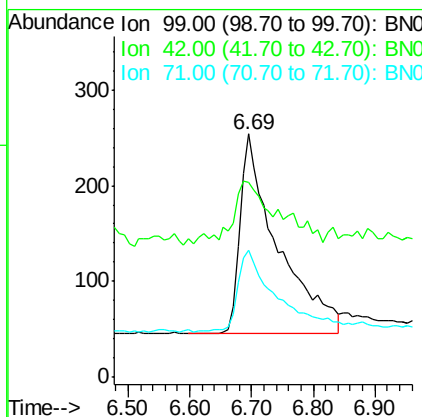
BNA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

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#6

bis(2-Chloroethyl)ether

Concen: 0.070 ng m

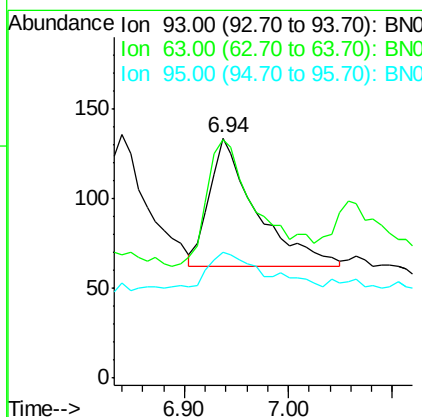
RT: 6.94 min Scan# 510

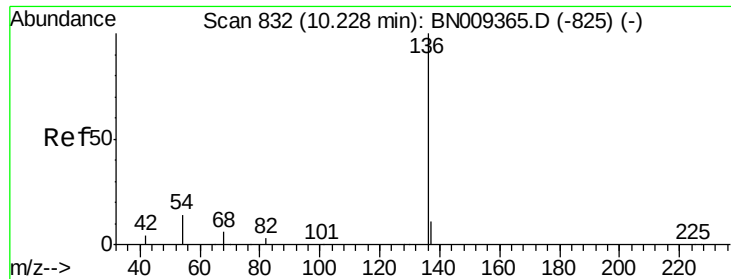
Delta R.T. 0.01 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 226   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 109.3 | 85.1  | 127.7 |
| 95       | 27.0  | 30.2  | 45.4# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.24 min Scan# 833

Delta R.T. 0.01 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

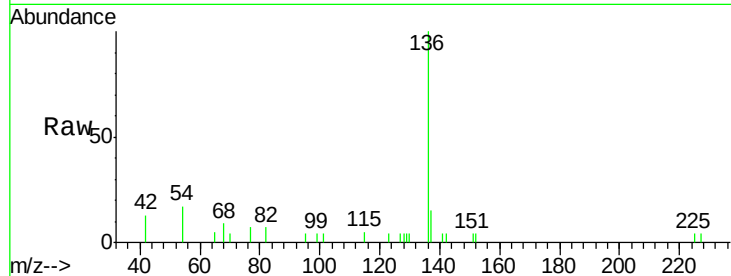
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 14.5  | 10.3  | 15.5  |
| 54      | 17.0  | 12.6  | 19.0  |
| 68      | 9.5   | 6.5   | 9.7   |

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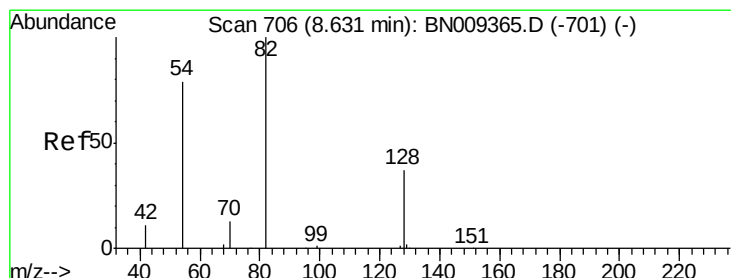
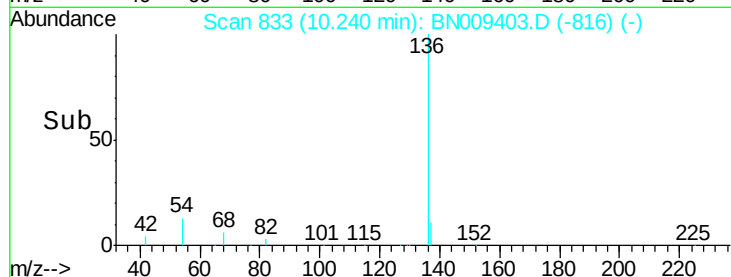
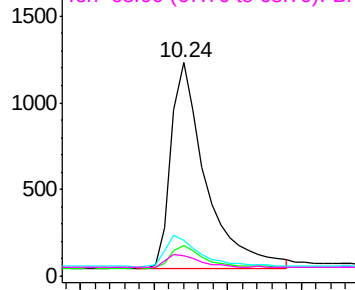


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.281 ng

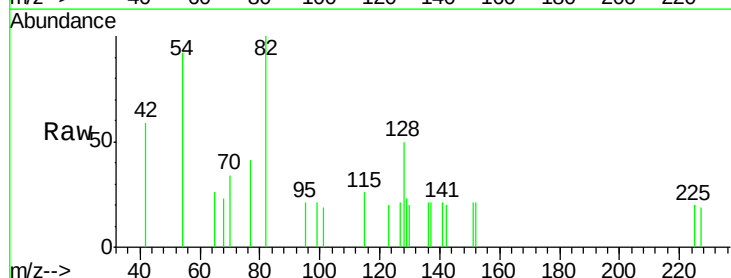
RT: 8.66 min Scan# 708

Delta R.T. 0.02 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

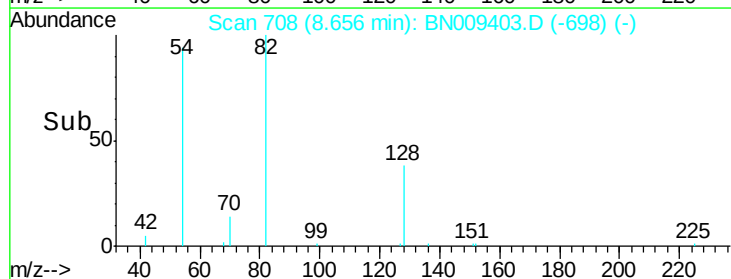
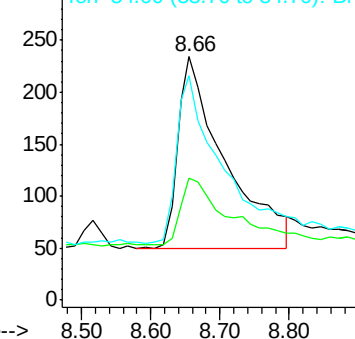
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 50.0  | 34.8  | 52.2  |
| 54      | 92.3  | 65.8  | 98.6  |

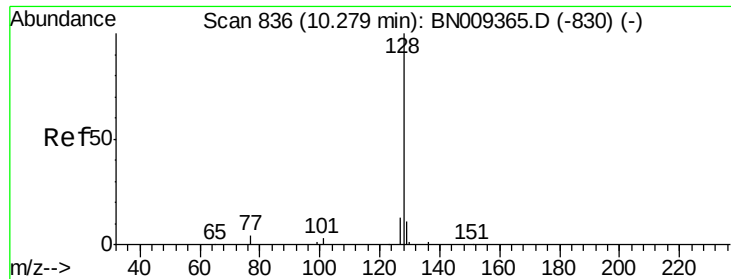


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





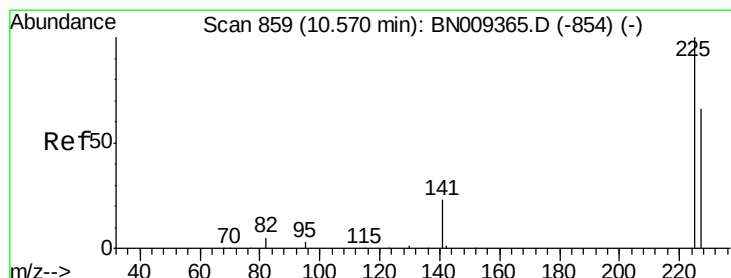
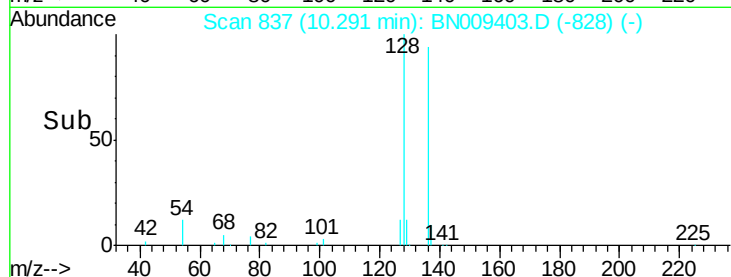
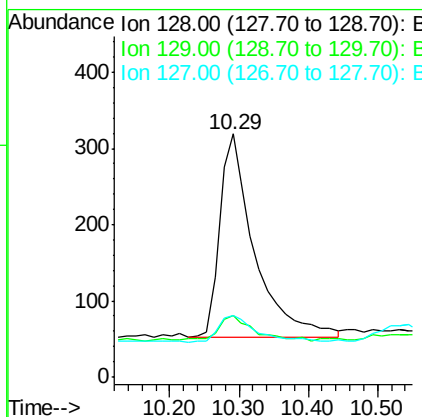
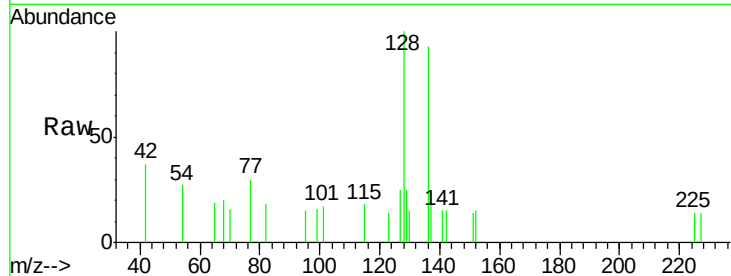
#9  
Naphthalene  
Concen: 0.089 ng  
RT: 10.29 min Scan# 837  
Delta R.T. 0.01 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 25.1  | 10.4  | 15.6# |
| 127     | 25.1  | 11.4  | 17.2# |

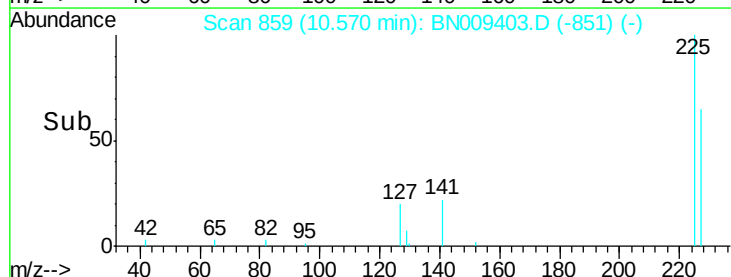
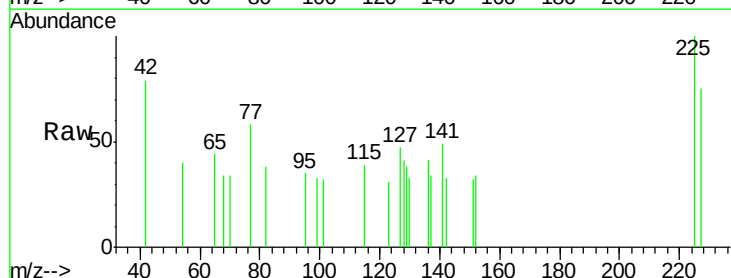
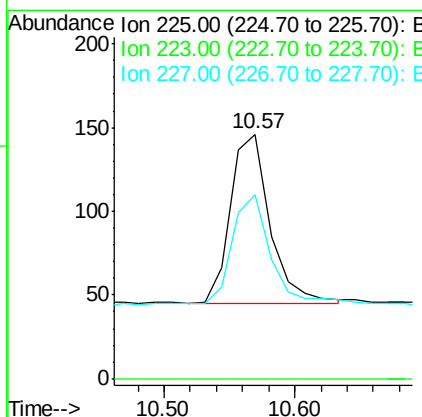
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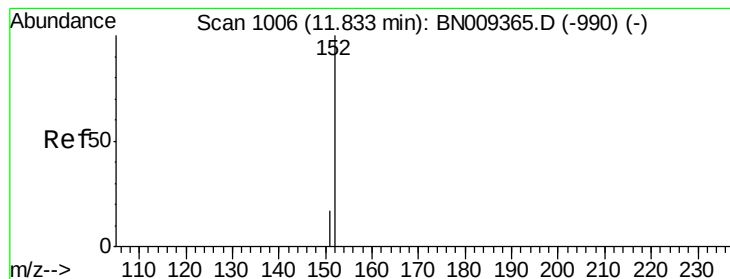
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#10  
Hexachlorobutadiene  
Concen: 0.092 ng  
RT: 10.57 min Scan# 859  
Delta R.T. -0.00 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 0.0   | 0.0   | 0.0   |
| 227     | 60.8  | 52.6  | 78.8  |





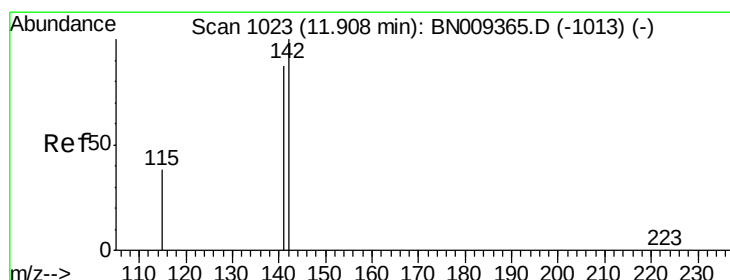
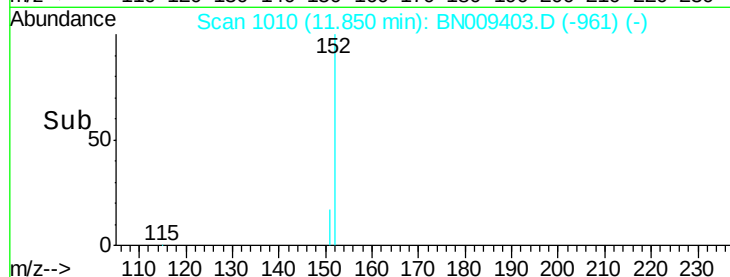
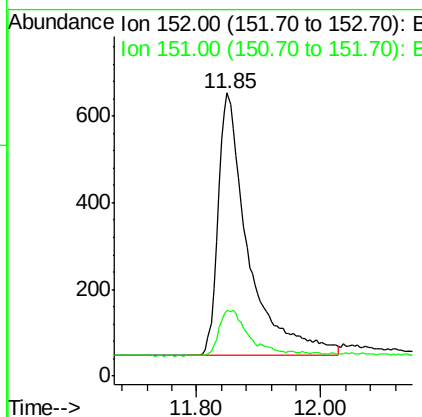
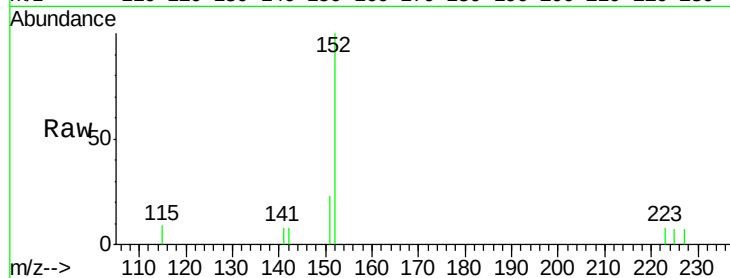
#11  
2-Methylnaphthalene-d10  
Concen: 0.273 ng  
RT: 11.85 min Scan# 1010  
Delta R.T. 0.02 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 16.8  | 14.8  | 22.2  |

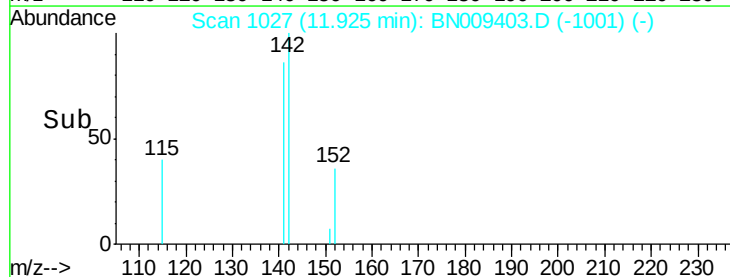
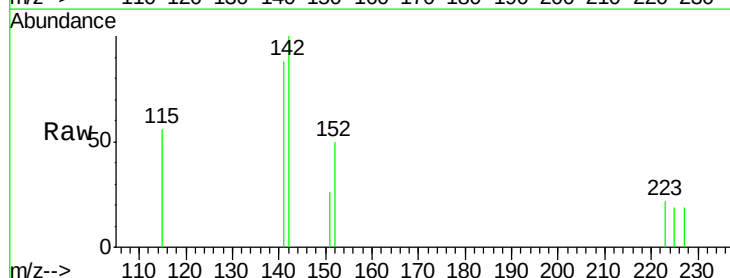
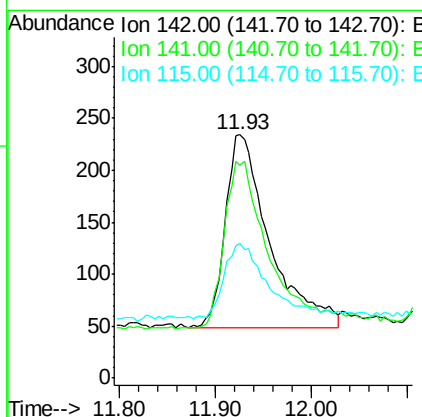
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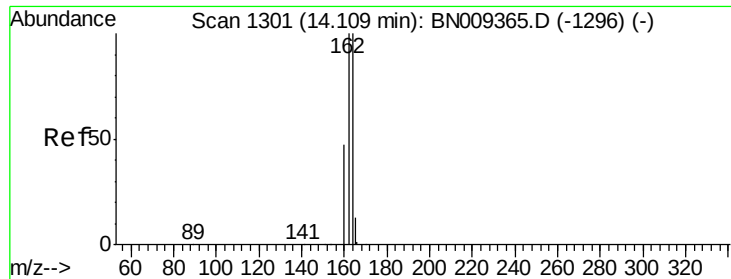


#12  
2-Methylnaphthalene  
Concen: 0.081 ng  
RT: 11.93 min Scan# 1027  
Delta R.T. 0.02 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.6  | 69.8  | 104.6 |
| 115     | 55.6  | 32.5  | 48.7# |







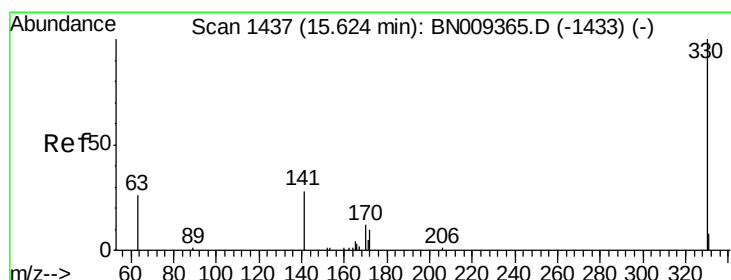
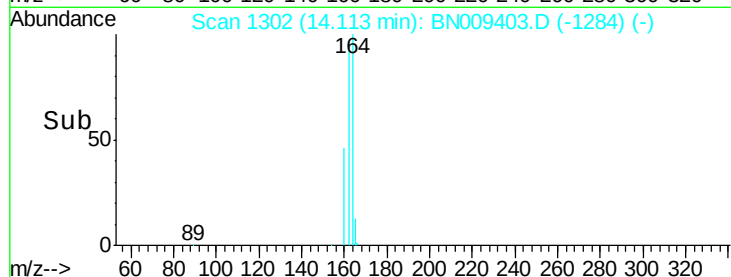
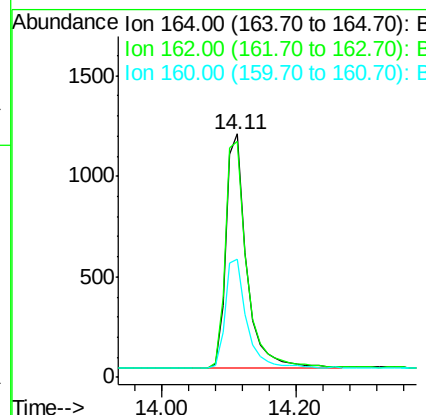
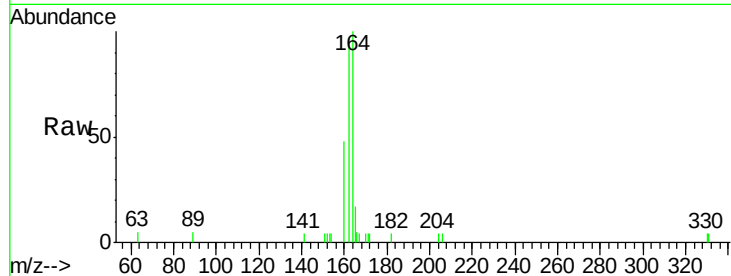
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.11 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.9  | 79.8  | 119.6 |
| 160     | 48.4  | 38.4  | 57.6  |

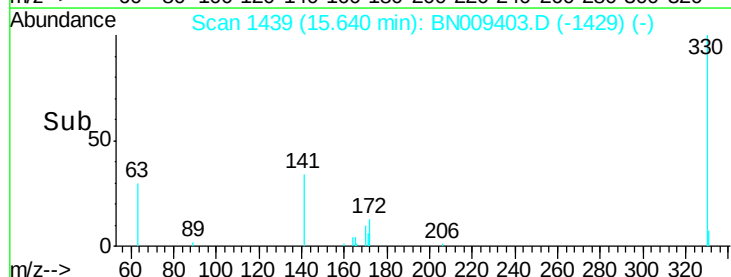
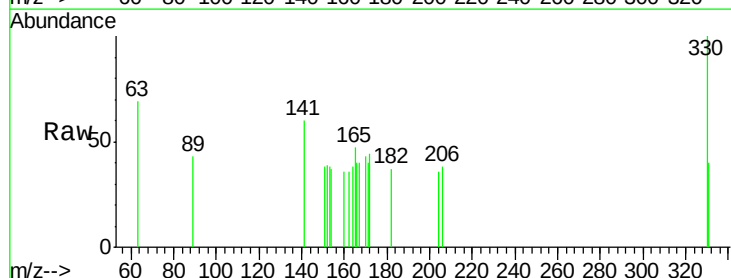
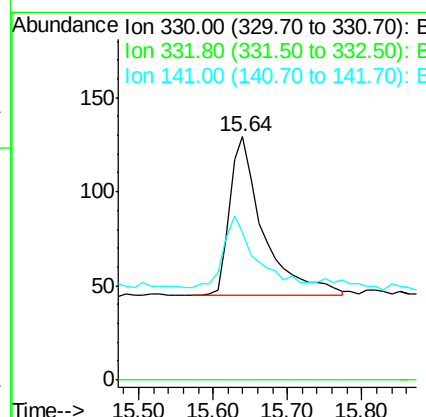
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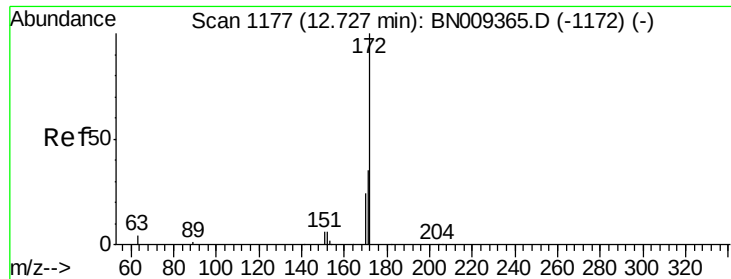
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#14  
2,4,6-Tribromophenol  
Concen: 0.277 ng  
RT: 15.64 min Scan# 1439  
Delta R.T. 0.02 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 43.3  | 33.1  | 49.7  |





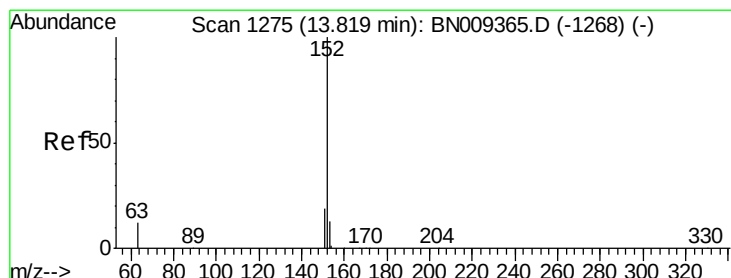
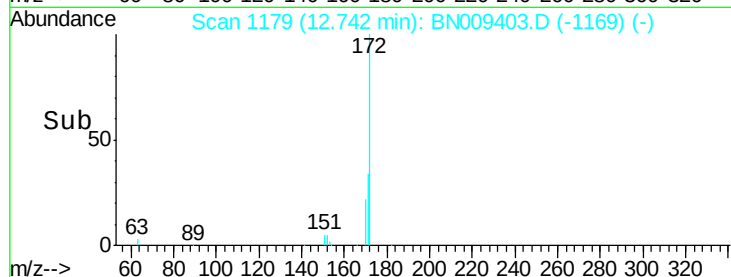
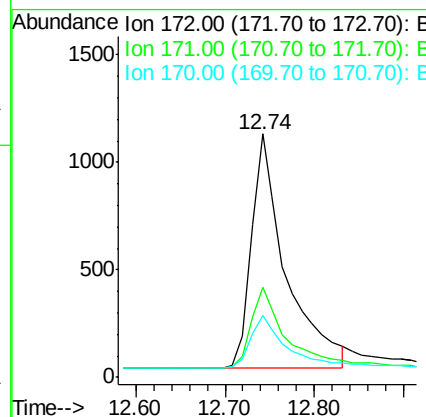
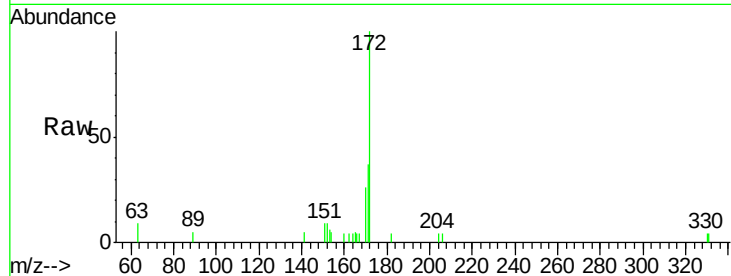
#15  
2-Fluorobiphenyl  
Concen: 0.311 ng  
RT: 12.74 min Scan# 1179  
Delta R.T. 0.02 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.5  | 44.3  |
| 170     | 25.5  | 20.7  | 31.1  |

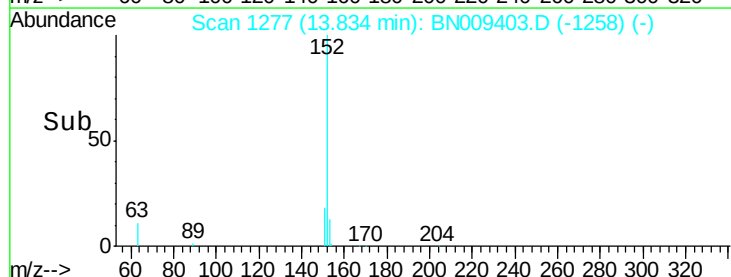
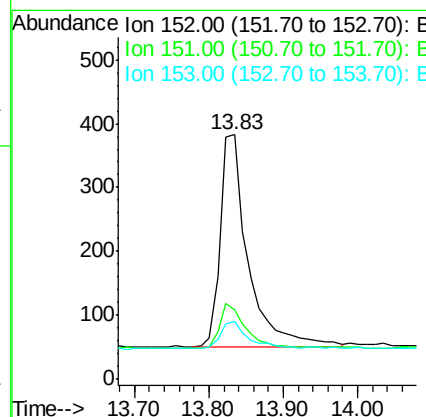
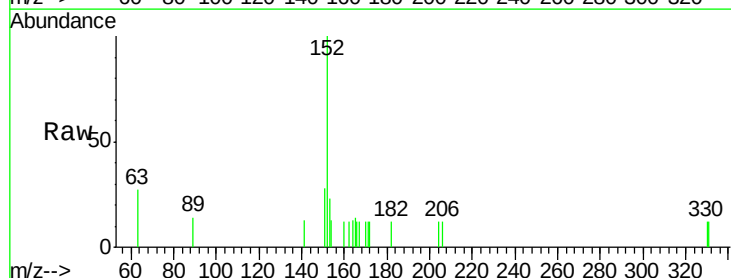
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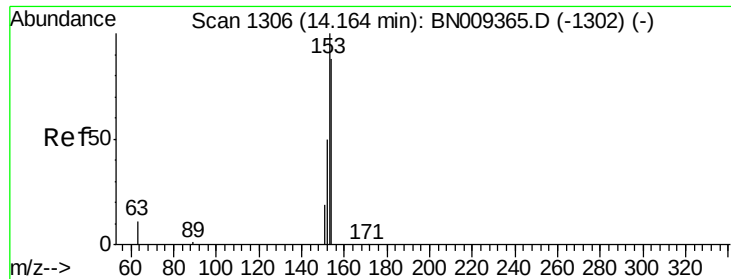
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#16  
Acenaphthylene  
Concen: 0.079 ng  
RT: 13.83 min Scan# 1277  
Delta R.T. 0.02 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 15.4  | 23.2  |
| 153     | 12.4  | 10.4  | 15.6  |





#17

Acenaphthene

Concen: 0.081 ng

RT: 14.17 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

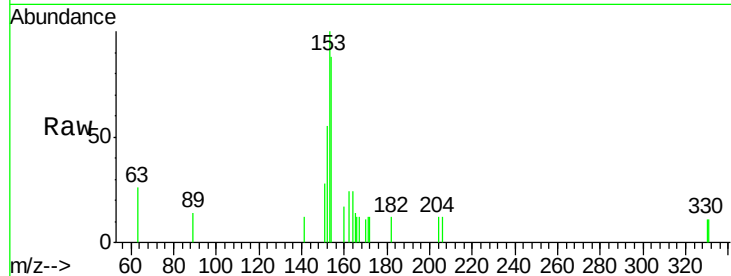
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

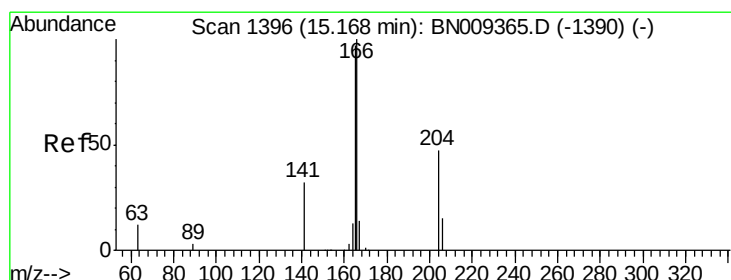
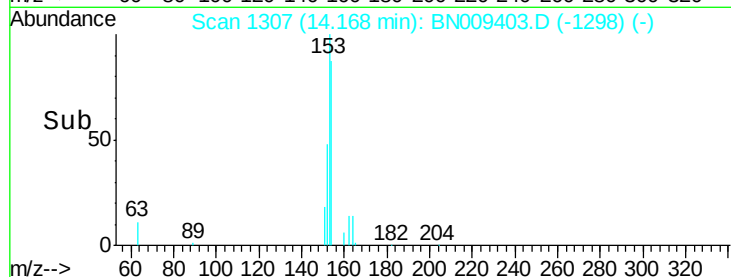
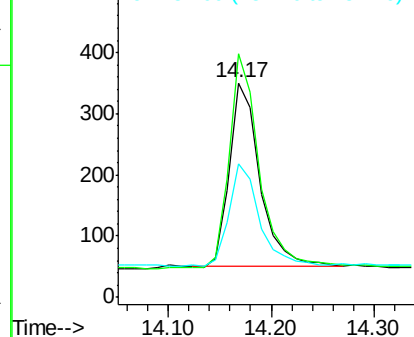
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 617   |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 119.3 | 90.5  | 135.7 |
| 152      | 55.4  | 45.3  | 67.9  |

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



#18

Fluorene

Concen: 0.083 ng

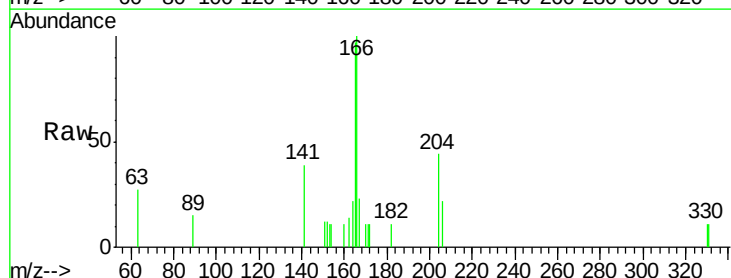
RT: 15.18 min Scan# 1398

Delta R.T. 0.02 min

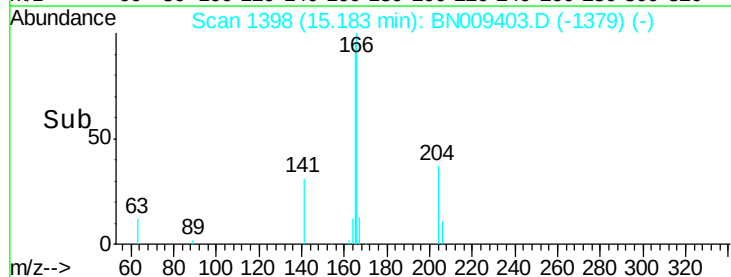
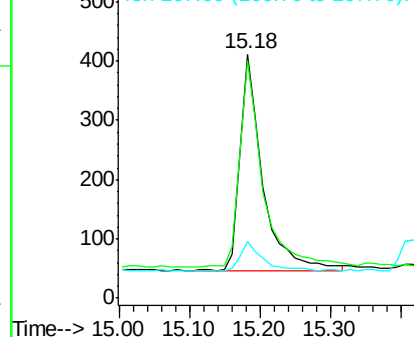
Lab File: BN009403.D

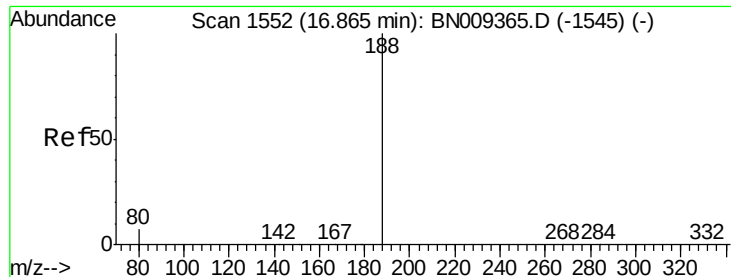
Acq: 20 Jan 2020 15:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 820   |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 96.2  | 78.2  | 117.2 |
| 167      | 13.8  | 11.0  | 16.6  |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.87 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

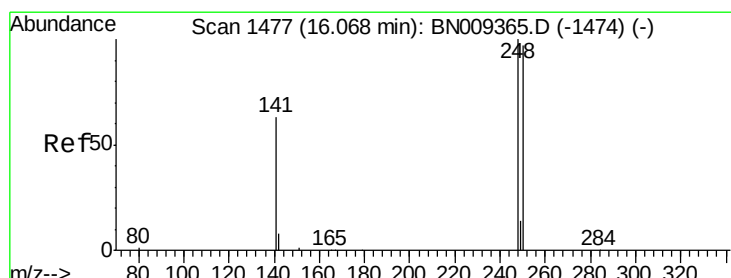
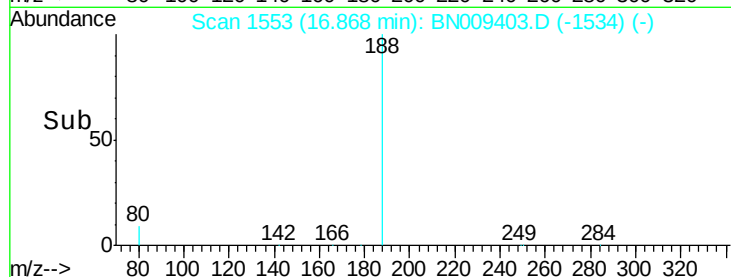
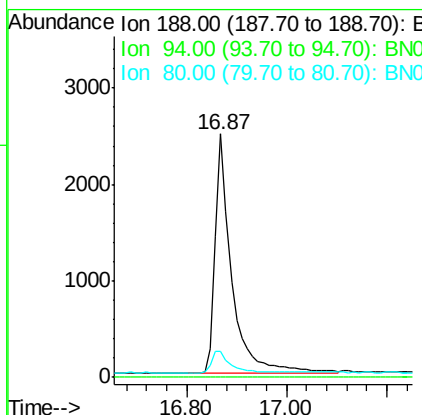
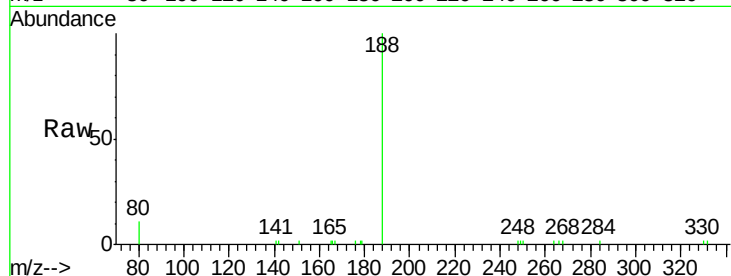
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 5710  |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.8  | 6.6   | 10.0# |

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#20

4-Bromophenyl-phenylether

Concen: 0.071 ng

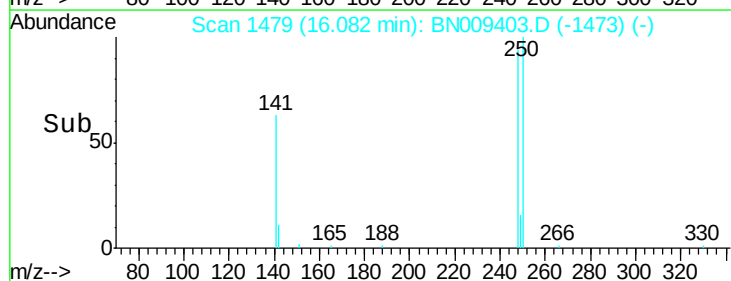
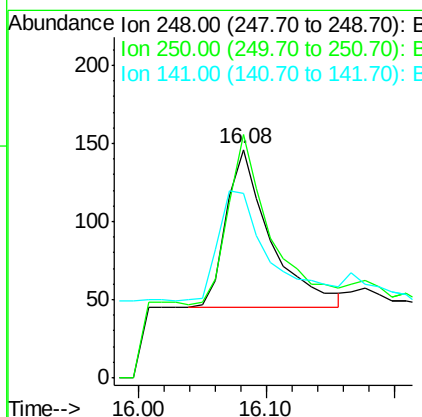
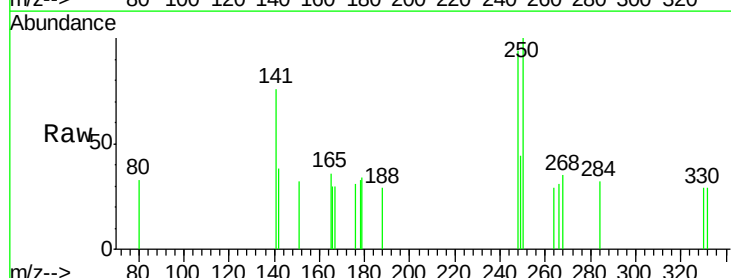
RT: 16.08 min Scan# 1479

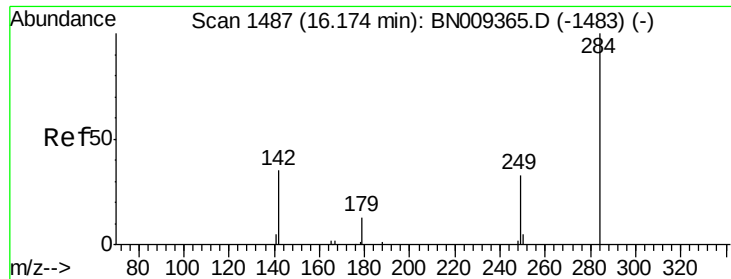
Delta R.T. 0.01 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 243   |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 106.8 | 77.8  | 116.8 |
| 141       | 80.8  | 53.4  | 80.0# |





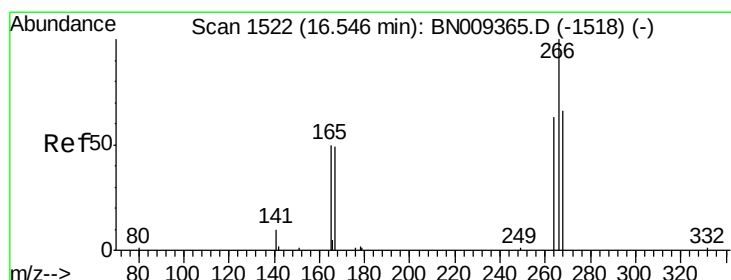
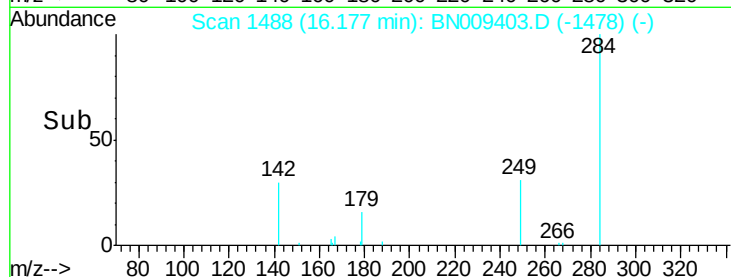
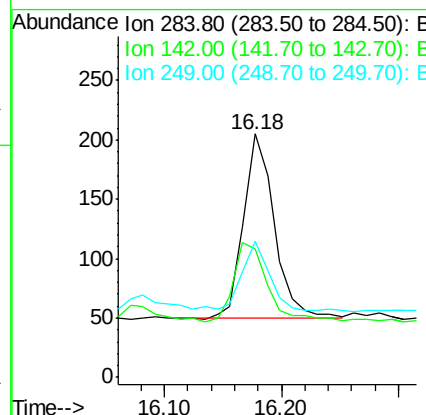
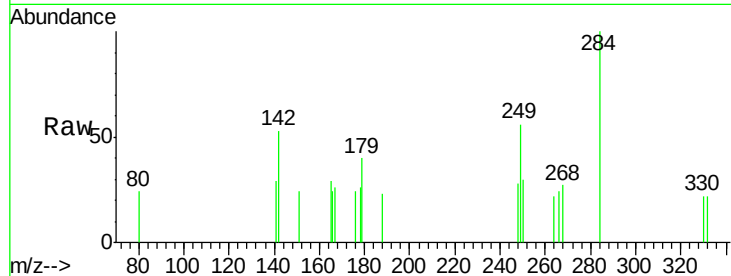
#21  
Hexachlorobenzene  
Concen: 0.077 ng  
RT: 16.18 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 47.7  | 33.8  | 50.8  |
| 249     | 33.1  | 27.0  | 40.4  |

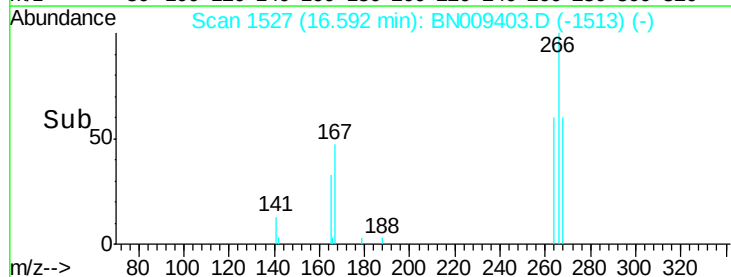
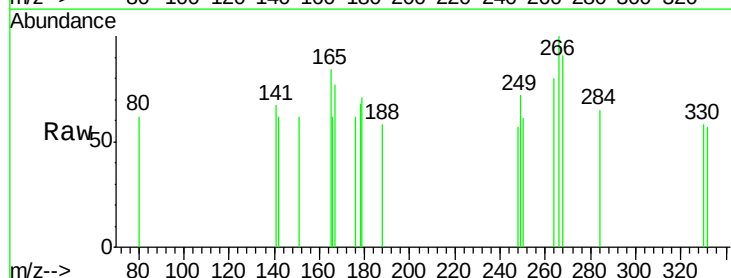
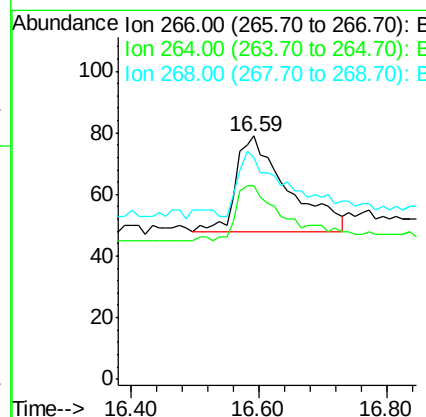
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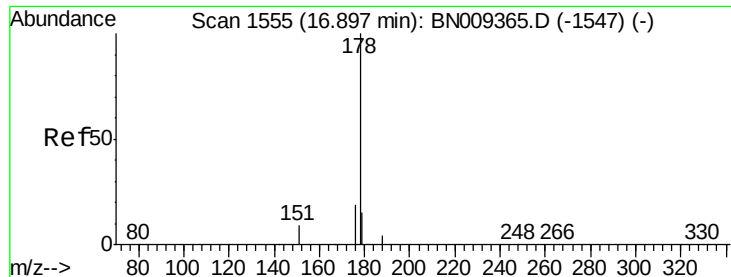
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#22  
Pentachlorophenol  
Concen: 0.167 ng  
RT: 16.59 min Scan# 1527  
Delta R.T. 0.05 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 79.7  | 57.8  | 86.6  |
| 268     | 91.1  | 63.8  | 95.6  |





#23

Phenanthrene

Concen: 0.079 ng

RT: 16.91 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

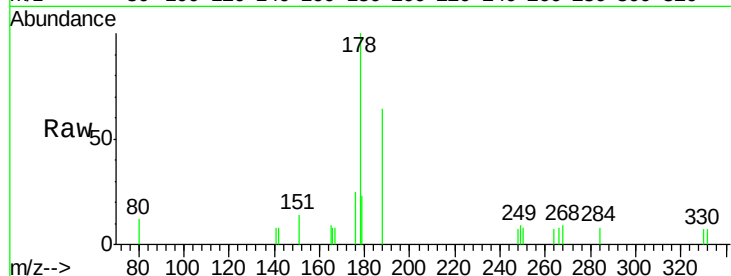
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

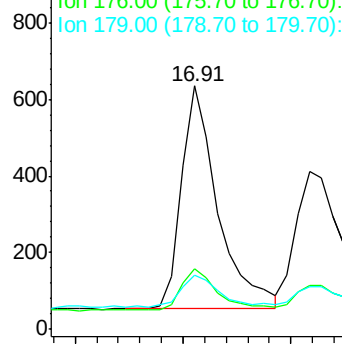
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 1361      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.1  | 15.0 22.4 |
| 179         | 15.3  | 12.3 18.5 |

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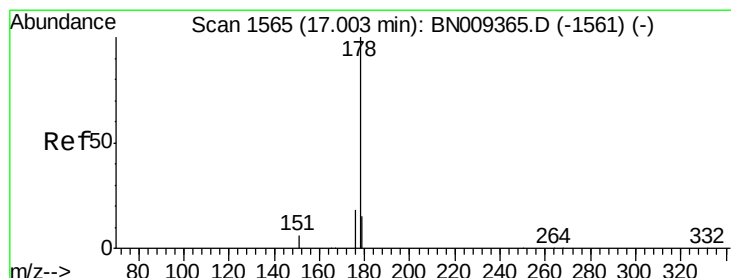
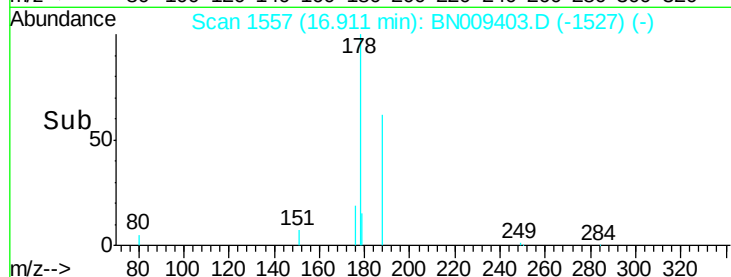
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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.072 ng

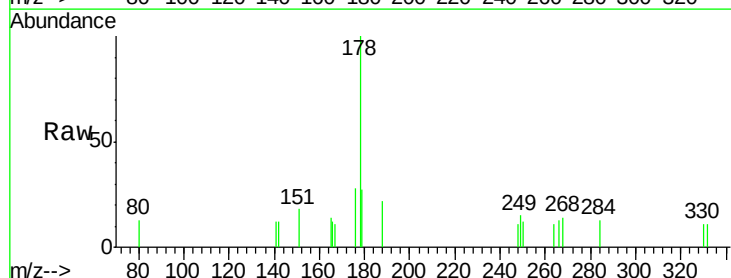
RT: 17.02 min Scan# 1567

Delta R.T. 0.01 min

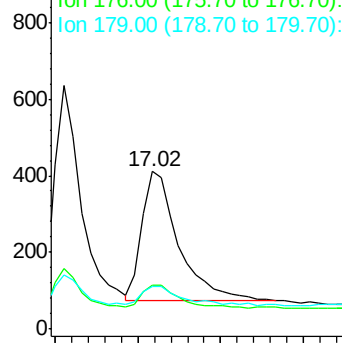
Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

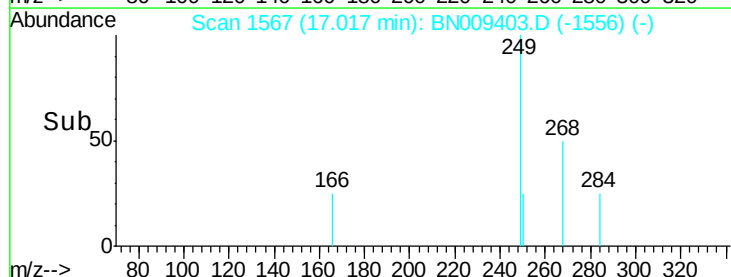
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 1031      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.5  | 14.6 21.8 |
| 179         | 14.7  | 12.5 18.7 |

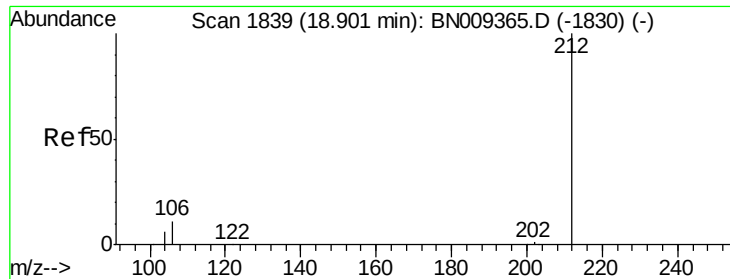


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.259 ng

RT: 18.90 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

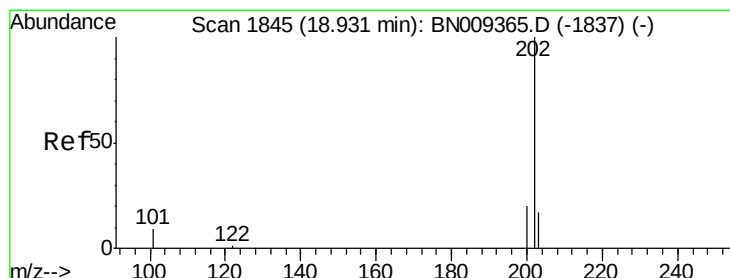
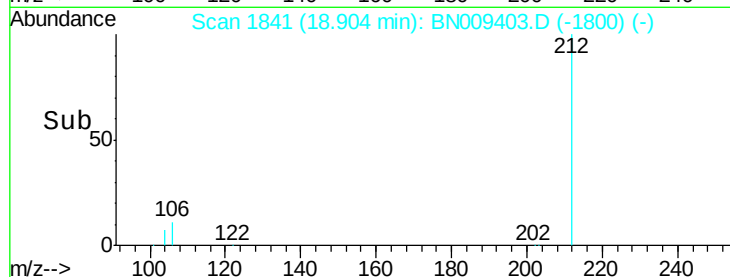
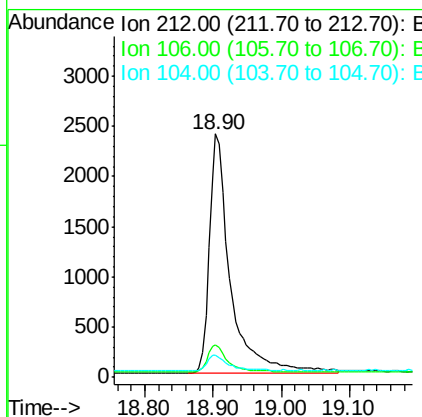
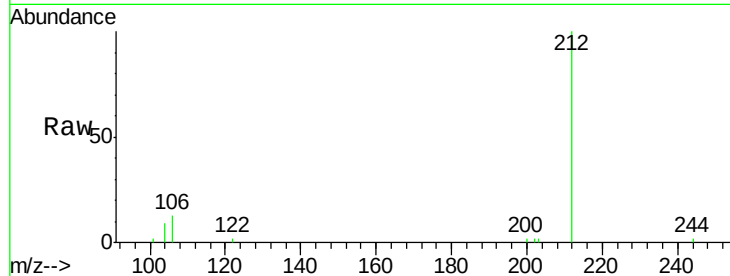
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 212   | Resp: | 5069 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 11.3  | 9.2   | 13.8 |
| 104       | 6.0   | 5.4   | 8.0  |

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#26

Fluoranthene

Concen: 0.082 ng

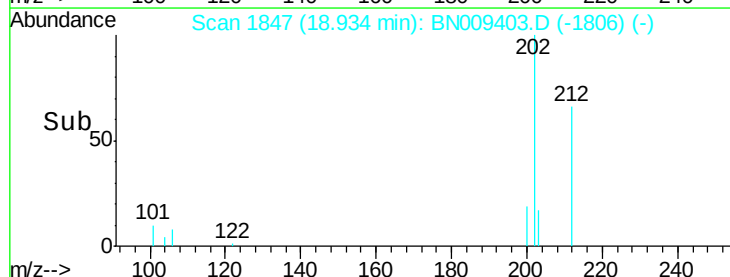
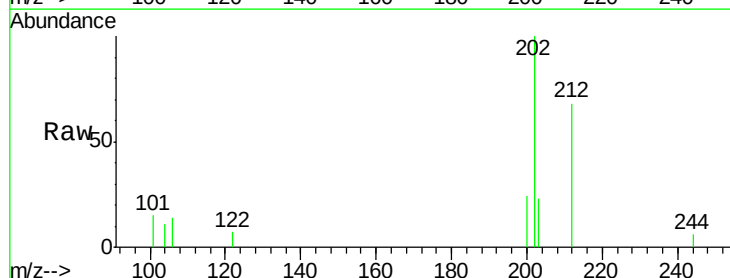
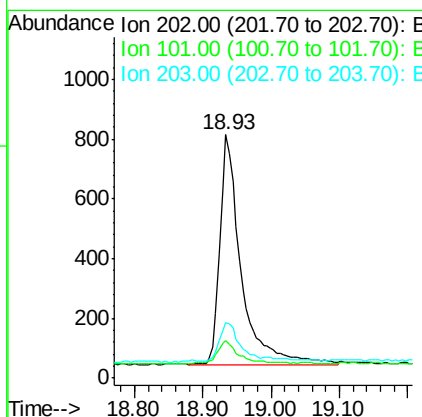
RT: 18.93 min Scan# 1847

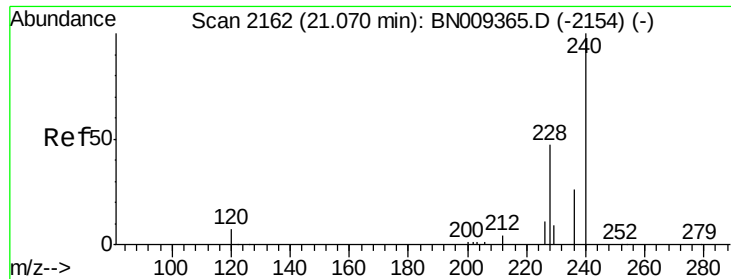
Delta R.T. 0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 1659 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 9.6   | 8.0   | 12.0 |
| 203       | 15.1  | 13.5  | 20.3 |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

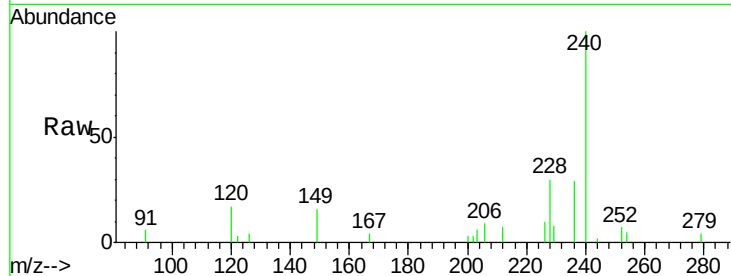
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

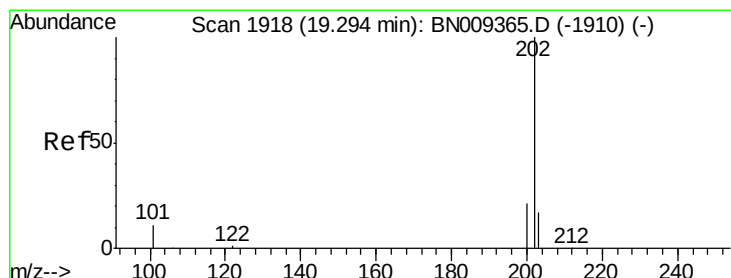
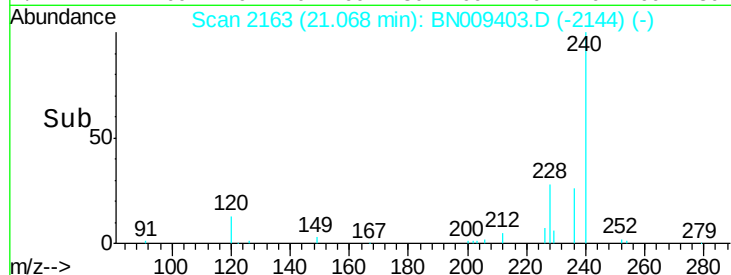
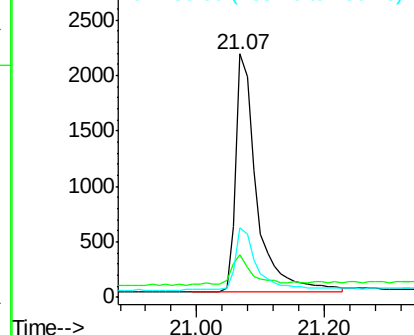
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 240   | Resp: | 4920  |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 17.3  | 8.1   | 12.1# |
| 236       | 28.8  | 22.2  | 33.4  |

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Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.090 ng

RT: 19.30 min Scan# 1921

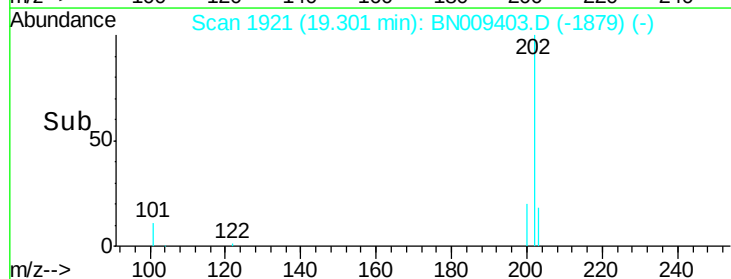
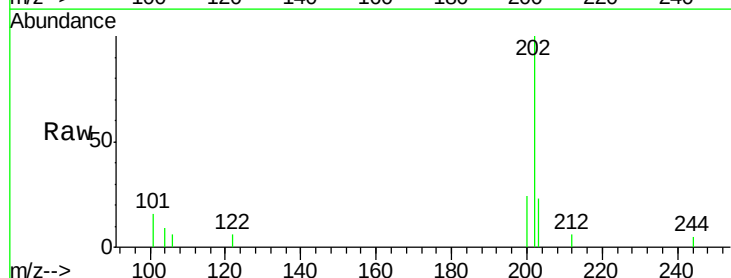
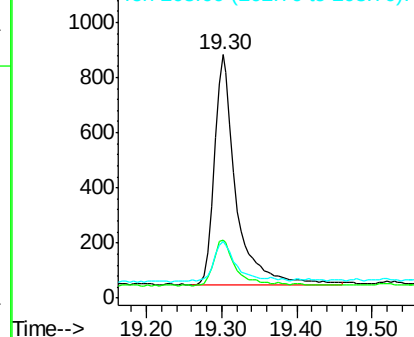
Delta R.T. 0.01 min

Lab File: BN009403.D

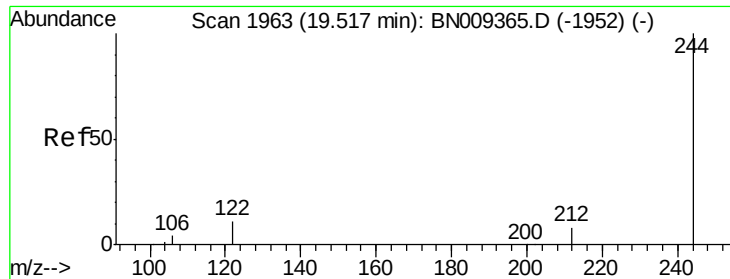
Acq: 20 Jan 2020 15:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 1679 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 200       | 19.8  | 16.2  | 24.2 |
| 203       | 17.9  | 14.1  | 21.1 |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E







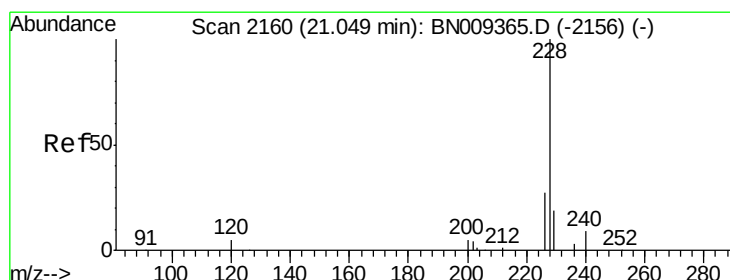
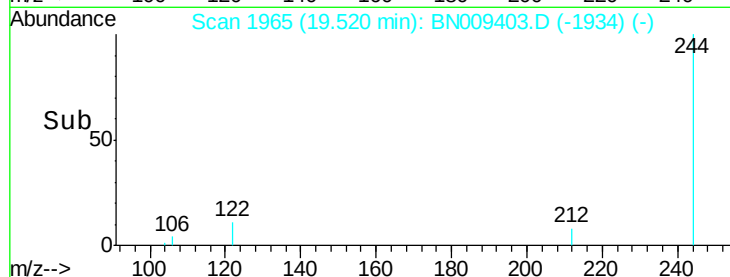
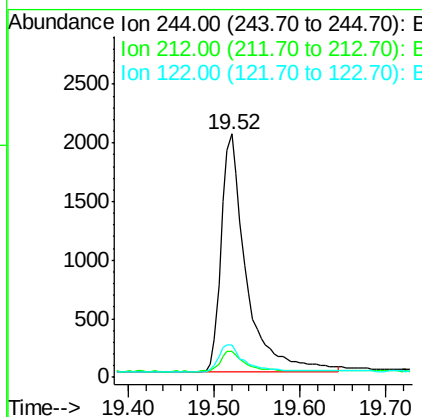
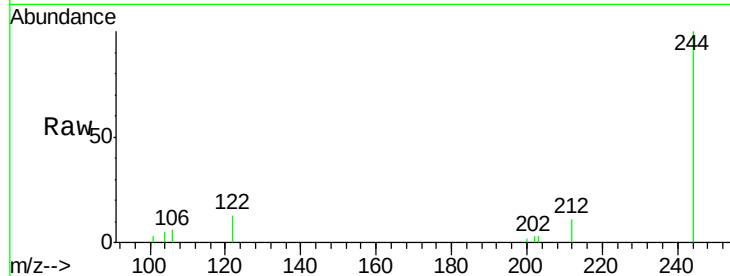
#29  
 Terphenyl-d14  
 Concen: 0.355 ng  
 RT: 19.52 min Scan# 1965  
 Delta R.T. 0.00 min  
 Lab File: BN009403.D  
 Acq: 20 Jan 2020 15:13

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.6  | 7.5   | 11.3  |
| 122     | 13.1  | 9.8   | 14.6  |

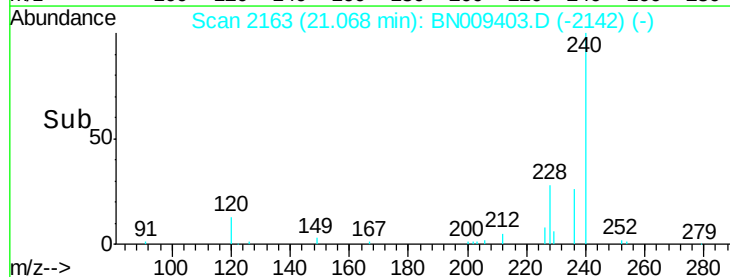
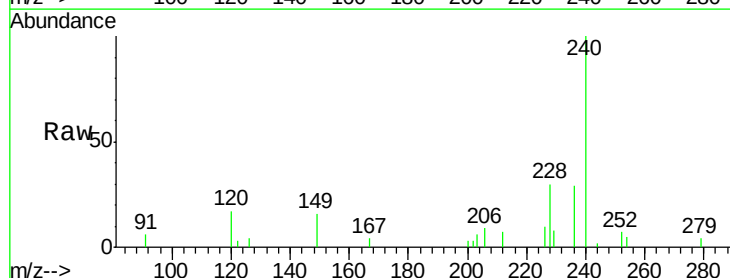
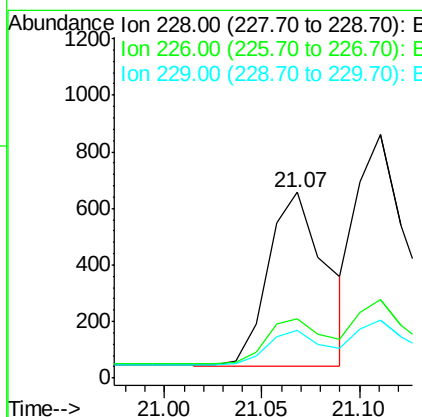
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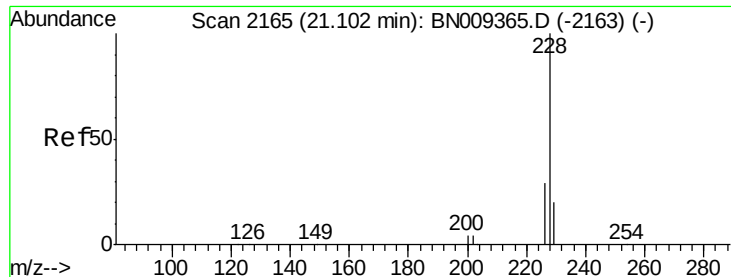
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#30  
 Benzo(a)anthracene  
 Concen: 0.079 ng m  
 RT: 21.07 min Scan# 2163  
 Delta R.T. 0.02 min  
 Lab File: BN009403.D  
 Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.0  | 22.5  | 33.7  |
| 229     | 26.1  | 16.1  | 24.1  |





#31

Chrysene

Concen: 0.093 ng/mL

RT: 21.11 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

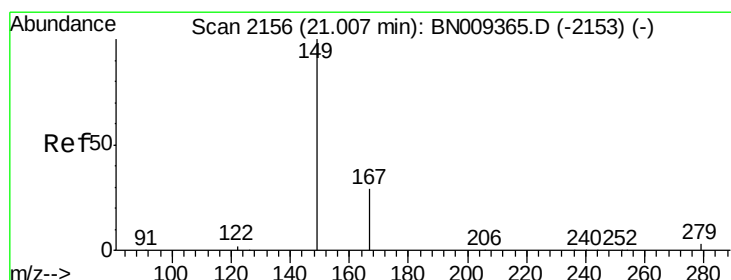
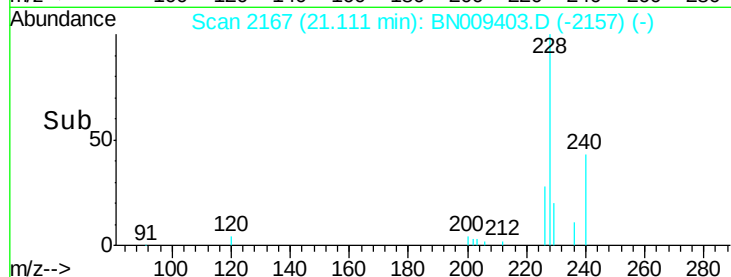
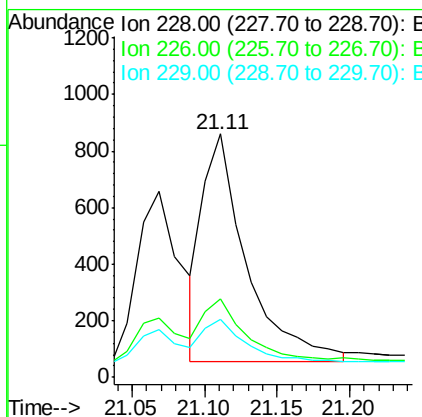
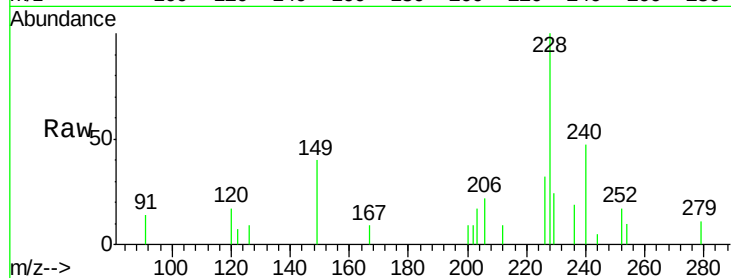
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 228   | Resp: | 1723  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 32.1  | 23.8  | 35.8  |
| 229      | 24.0  | 16.6  | 24.8  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.096 ng/mL

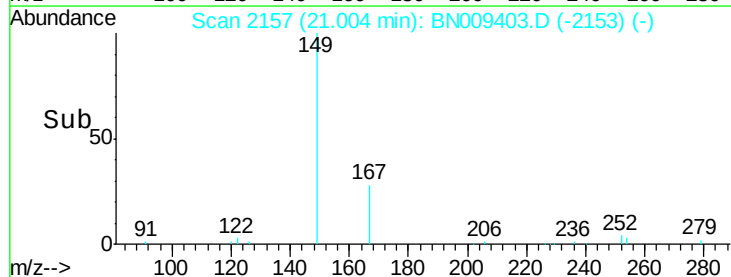
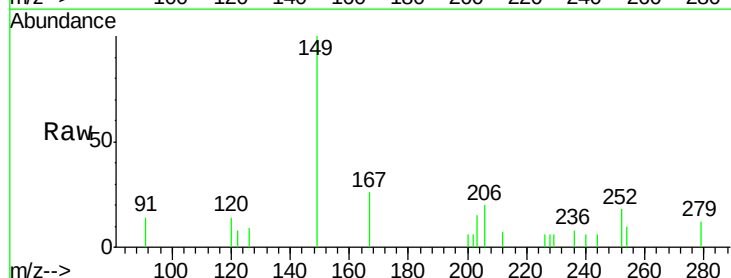
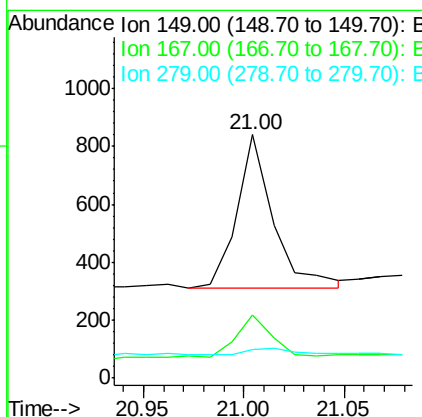
RT: 21.00 min Scan# 2157

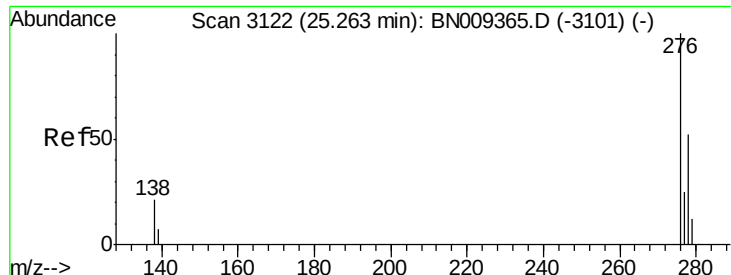
Delta R.T. -0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 683   |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 25.0  | 22.9  | 34.3  |
| 279      | 4.2   | 3.4   | 5.0   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.081 ng

RT: 25.30 min Scan# 3133

Delta R.T. 0.03 min

Lab File: BN009403.D

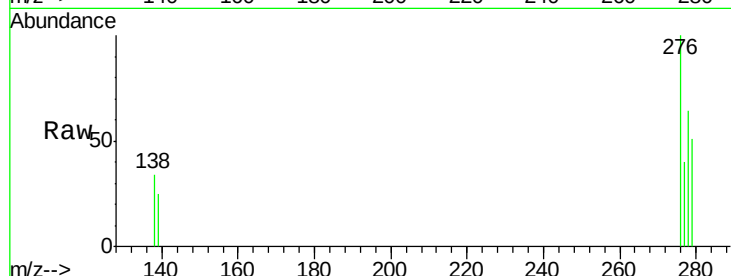
Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019



Tot Ion:276 Resp: 1553

Ion Ratio Lower Upper

276 100

138 19.7 15.9 23.9

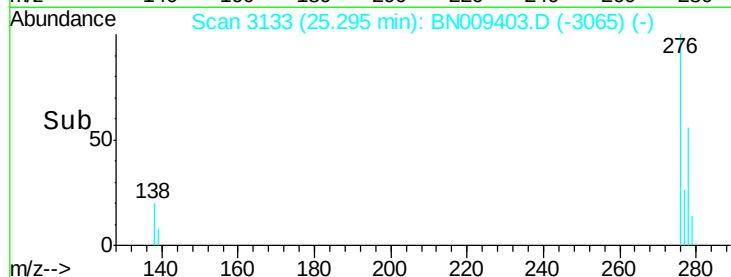
277 21.2 19.8 29.6

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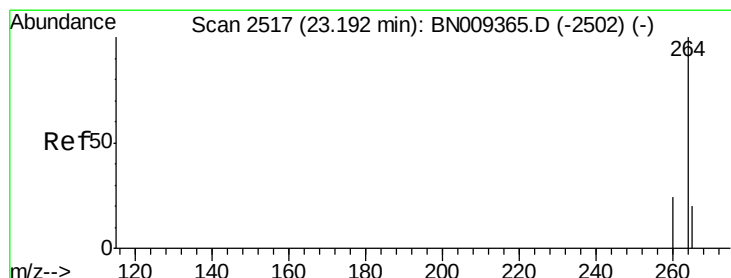
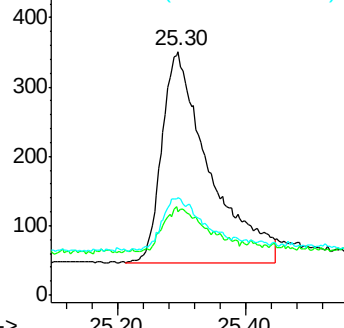
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BN009403.D

Acq: 20 Jan 2020 15:13

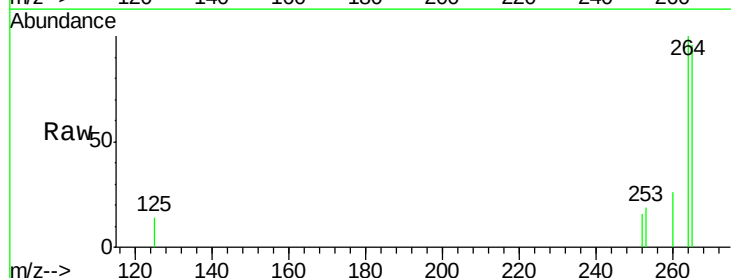
Tgt Ion:264 Resp: 4999

Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

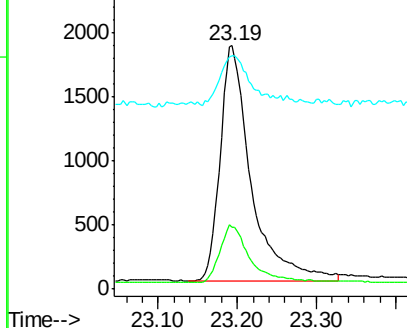
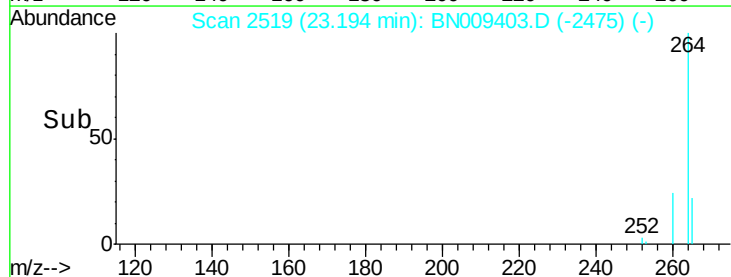
265 95.7 68.2 102.4

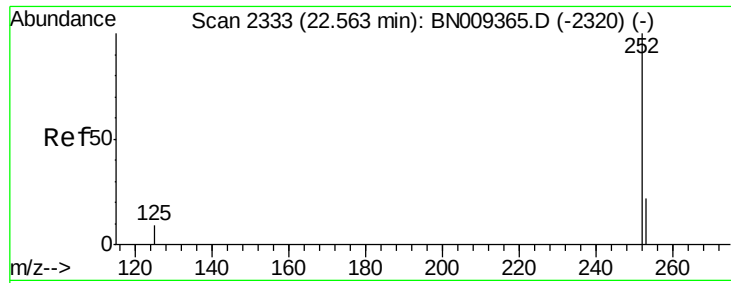


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





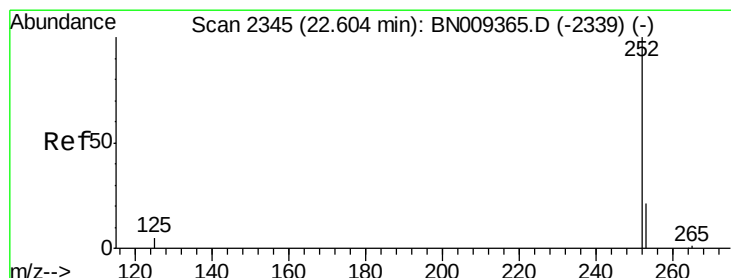
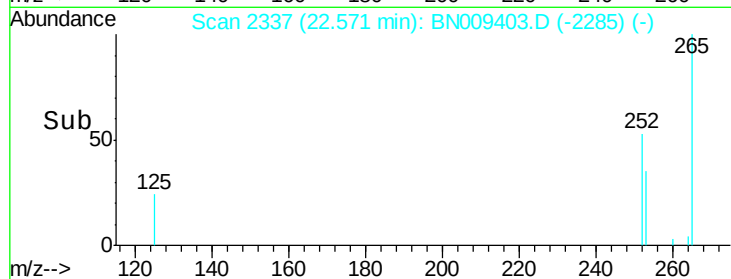
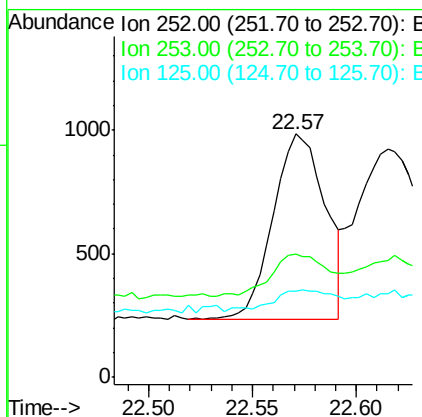
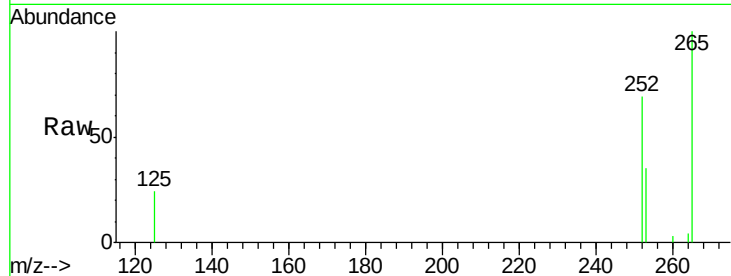
#35  
Benzo(b)fluoranthene  
Concen: 0.072 ng  
RT: 22.57 min Scan# 2337  
Delta R.T. 0.01 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 50.4  | 22.4  | 33.6# |
| 125     | 35.1  | 11.6  | 17.4# |

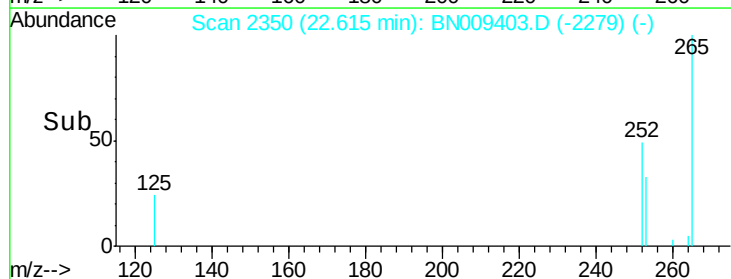
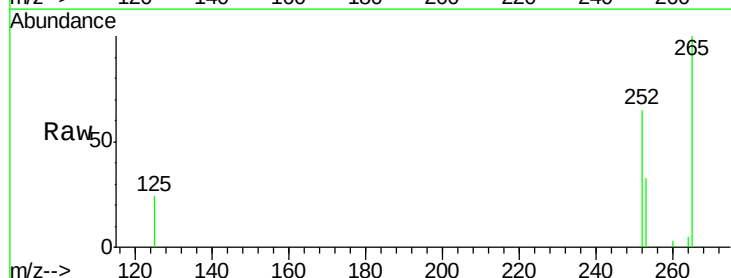
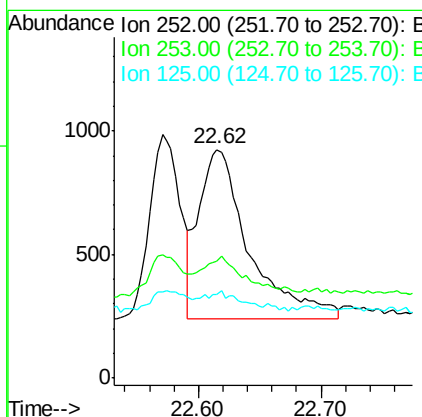
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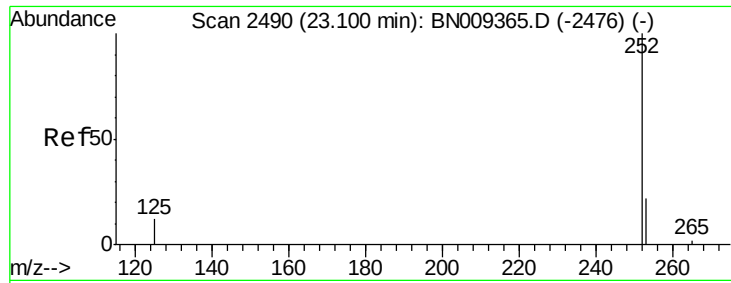
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#36  
Benzo(k)fluoranthene  
Concen: 0.096 ng m  
RT: 22.62 min Scan# 2350  
Delta R.T. 0.01 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 51.0  | 21.9  | 32.9# |
| 125     | 36.4  | 12.0  | 18.0# |





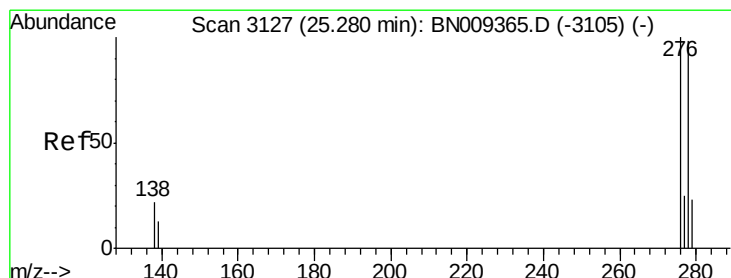
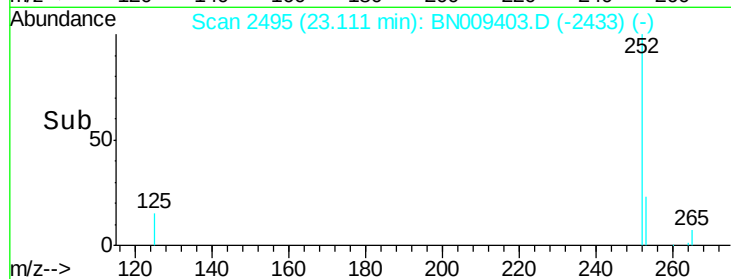
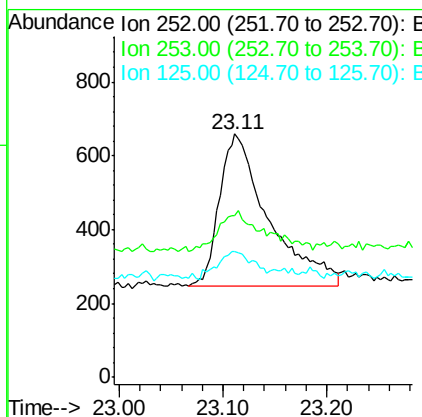
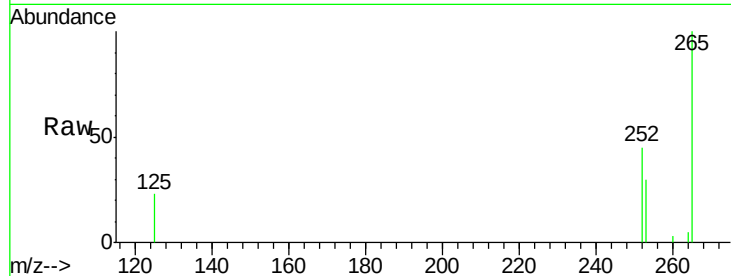
#37  
Benzo(a)pyrene  
Concen: 0.084 ng  
RT: 23.11 min Scan# 2495  
Delta R.T. 0.01 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 66.6  | 25.4  | 38.0# |
| 125     | 51.4  | 16.2  | 24.2# |

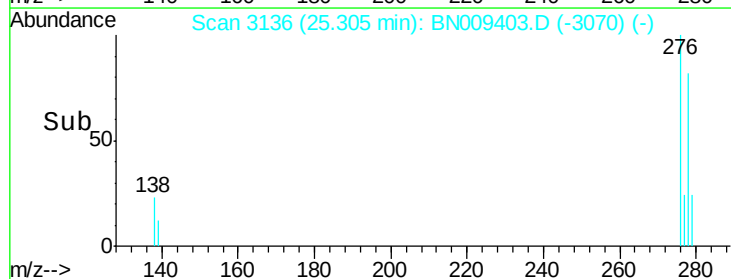
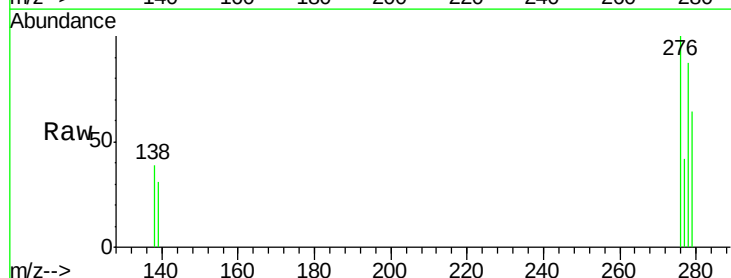
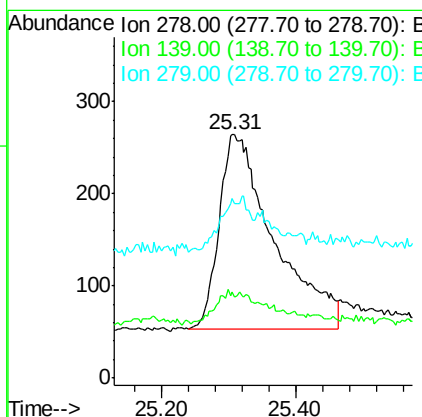
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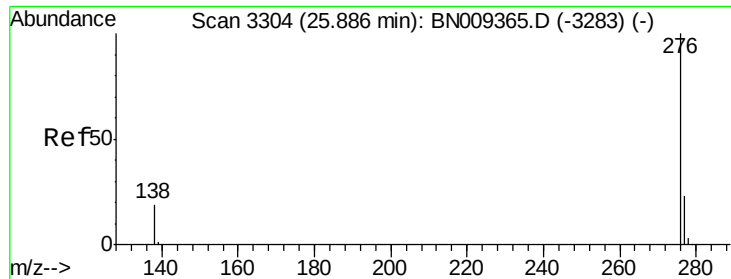
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.074 ng  
RT: 25.31 min Scan# 3136  
Delta R.T. 0.03 min  
Lab File: BN009403.D  
Acq: 20 Jan 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 35.2  | 14.5  | 21.7# |
| 279     | 73.9  | 24.2  | 36.4# |





#39

Benzo(a,h,i)perylene

Concen: 0.082 ng

RT: 25.91 min Scan# 3312

Delta R.T. 0.02 min

Lab File: BN009403.D

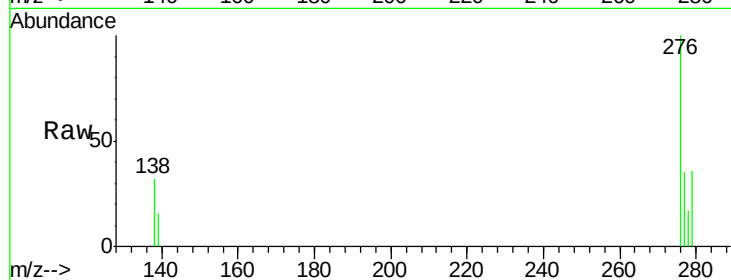
Acq: 20 Jan 2020 15:13

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019



Tot Ion: 276 Resp: 1468

Ion Ratio Lower Upper

276 100

277 35.0 20.6 30.8#

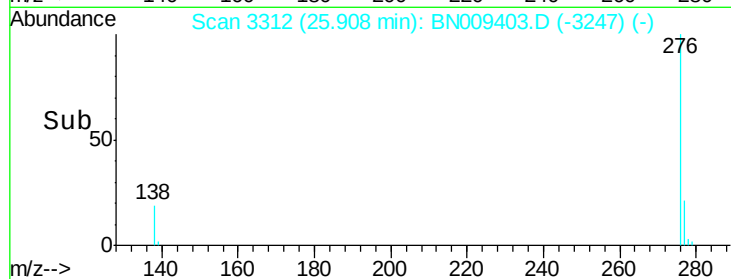
138 32.1 17.1 25.7#

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

