

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051520\  
 Data File : BN010727.D  
 Acq On : 15 May 2020 12:26  
 Operator : CG/JU  
 Sample : L2182-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-WATER-03-QT2-2020

Quant Time: May 15 12:58:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 15 10:34:23 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 5005     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.33 | 136  | 19011    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.20 | 164  | 11587    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.95 | 188  | 24806    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.15 | 240  | 19389    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.32 | 264  | 17920    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.22  | 112 | 2519  | 0.26 | ng | 0.00 |
| 5) Phenol-d6                | 6.77  | 99  | 2953  | 0.25 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.72  | 82  | 3129  | 0.24 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.93 | 152 | 6984  | 0.23 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.72 | 330 | 873   | 0.21 | ng | 0.02 |
| 15) 2-Fluorobiphenyl        | 12.83 | 172 | 9970  | 0.23 | ng | 0.02 |
| 25) Fluoranthene-d10        | 18.99 | 212 | 14422 | 0.21 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.60 | 244 | 11362 | 0.25 | ng | 0.00 |

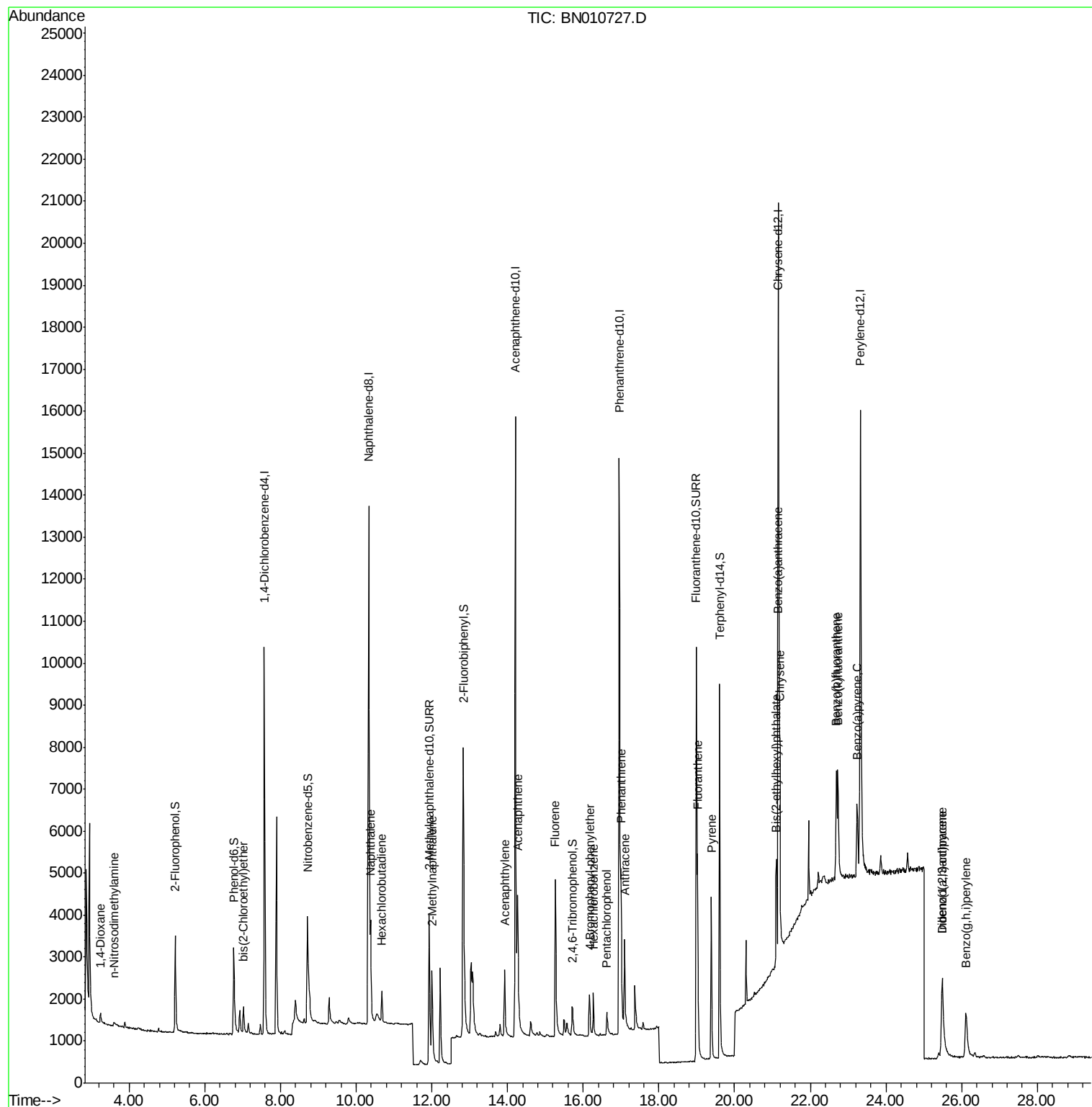
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.24  | 88  | 275  | 0.064  | ng | # 95 |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 128  | 0.052  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 7.03  | 93  | 745  | 0.060  | ng | 95   |
| 9) Naphthalene                 | 10.38 | 128 | 3124 | 0.065  | ng | 95   |
| 10) Hexachlorobutadiene        | 10.67 | 225 | 671  | 0.061  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 12.00 | 142 | 2114 | 0.063  | ng | 97   |
| 16) Acenaphthylene             | 13.92 | 152 | 2661 | 0.056  | ng | 99   |
| 17) Acenaphthene               | 14.27 | 154 | 1939 | 0.061  | ng | 99   |
| 18) Fluorene                   | 15.26 | 166 | 2480 | 0.059  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.17 | 248 | 719  | 0.052  | ng | 94   |
| 21) Hexachlorobenzene          | 16.27 | 284 | 1021 | 0.063  | ng | 98   |
| 22) Pentachlorophenol          | 16.62 | 266 | 516  | 0.102  | ng | 96   |
| 23) Phenanthrene               | 17.00 | 178 | 3987 | 0.060  | ng | 98   |
| 24) Anthracene                 | 17.09 | 178 | 3033 | 0.054  | ng | 99   |
| 26) Fluoranthene               | 19.02 | 202 | 4526 | 0.060  | ng | 98   |
| 28) Pyrene                     | 19.39 | 202 | 4380 | 0.063  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.14 | 228 | 3650 | 0.065  | ng | 95   |
| 31) Chrysene                   | 21.20 | 228 | 4010 | 0.063  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.09 | 149 | 2231 | 0.090  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.48 | 276 | 3440 | 0.060  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.69 | 252 | 3514 | 0.059  | ng | # 68 |
| 36) Benzo(k)fluoranthene       | 22.73 | 252 | 3901 | 0.061  | ng | # 68 |
| 37) Benzo(a)pyrene             | 23.24 | 252 | 2901 | 0.057  | ng | # 49 |
| 38) Dibenzo(a,h)anthracene     | 25.49 | 278 | 2726 | 0.062  | ng | # 67 |
| 39) Benzo(g,h,i)perylene       | 26.11 | 276 | 3260 | 0.063  | ng | # 87 |

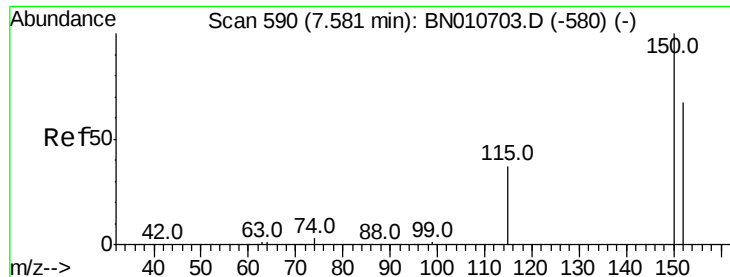
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051520\  
Data File : BN010727.D  
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Sample : L2182-09  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 15 10:34:23 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

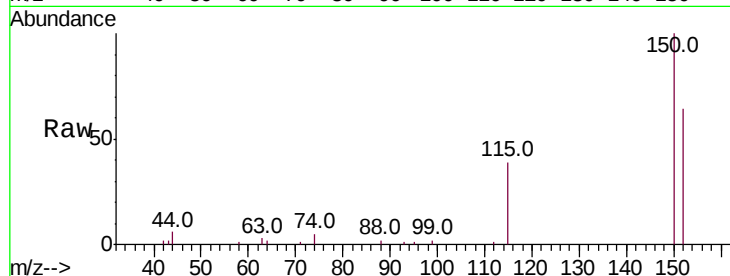
Tot Ion:152 Resp: 5005

Ion Ratio Lower Upper

152 100

150 156.8 119.4 179.0

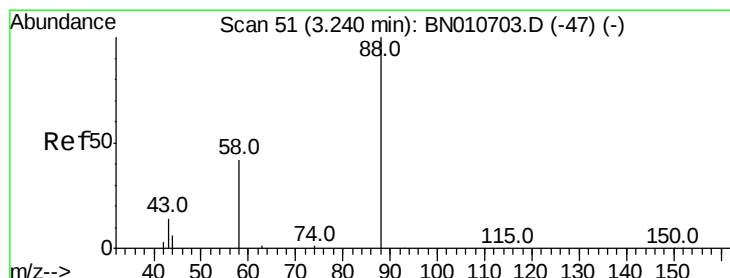
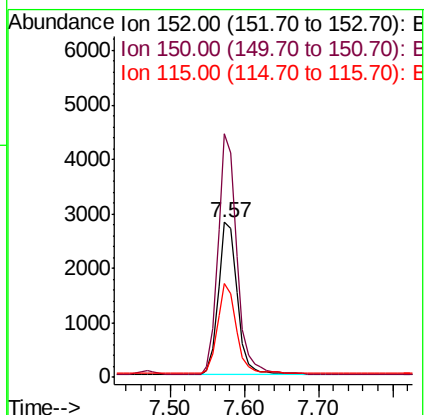
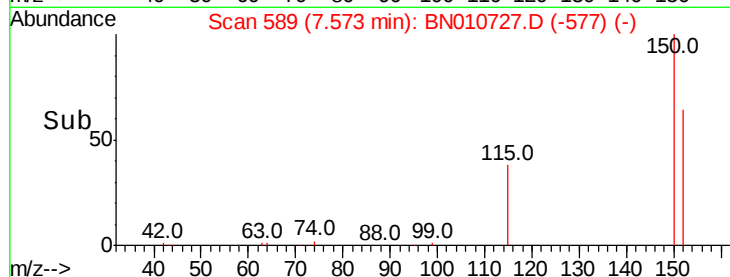
115 60.5 45.9 68.9



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: 0.064 ng

RT: 3.24 min Scan# 51

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

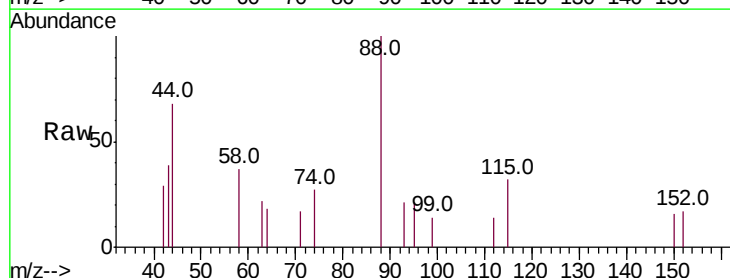
Tgt Ion: 88 Resp: 275

Ion Ratio Lower Upper

88 100

58 46.9 39.0 58.6

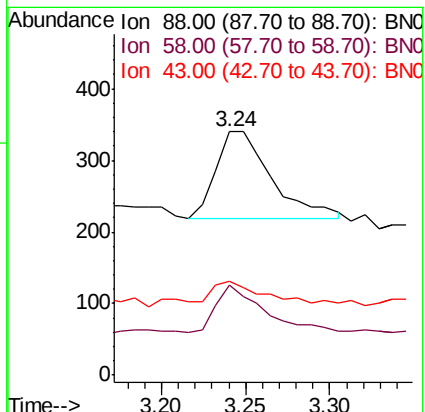
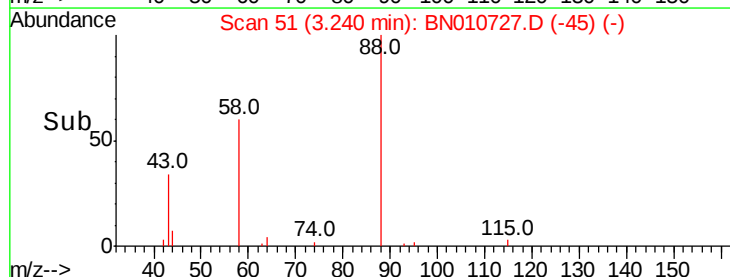
43 21.1 13.1 19.7#

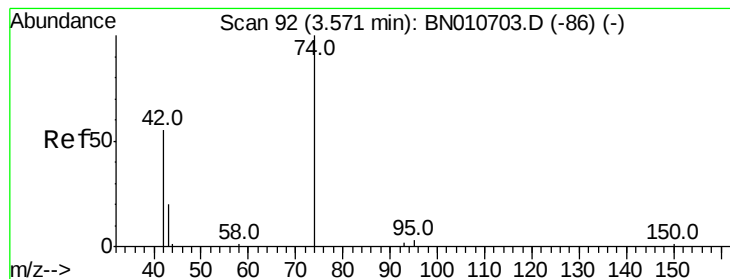


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.052 ng

RT: 3.61 min Scan# 97

Delta R.T. 0.03 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

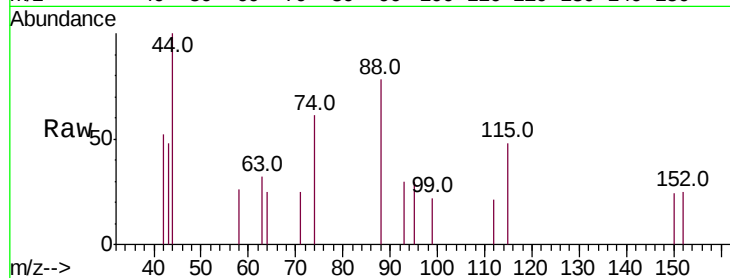
Tot Ion: 42 Resp: 128

Ion Ratio Lower Upper

42 100

74 175.8 146.2 219.2

44 0.0 3.0 4.4#

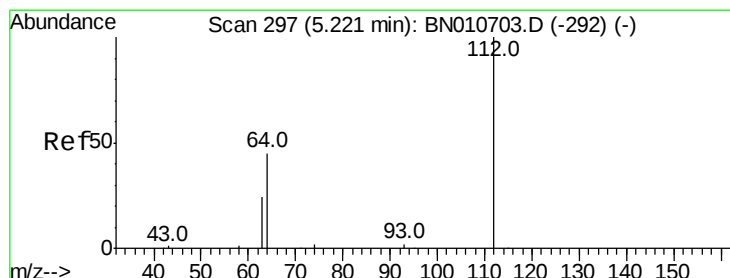
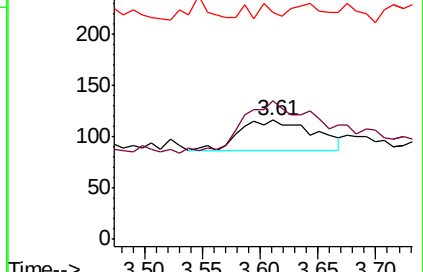
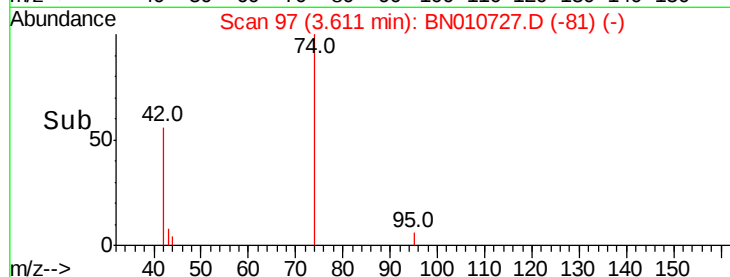


Abundance Ion 42.00 (41.70 to 42.70): BN010703.D (-86) (-)

Ion 74.00 (73.70 to 74.70): BN010703.D (-86) (-)

Ion 44.00 (43.70 to 44.70): BN010703.D (-86) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.257 ng

RT: 5.22 min Scan# 297

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

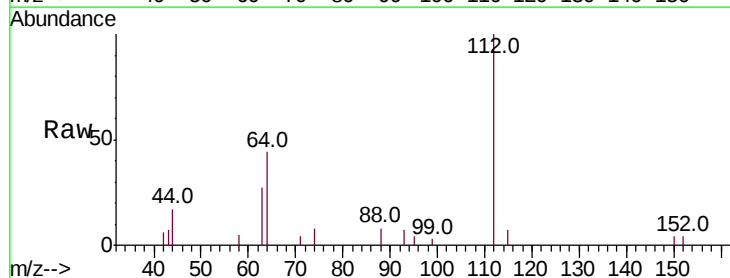
Tgt Ion: 112 Resp: 2519

Ion Ratio Lower Upper

112 100

64 44.8 36.2 54.4

63 24.4 19.8 29.8

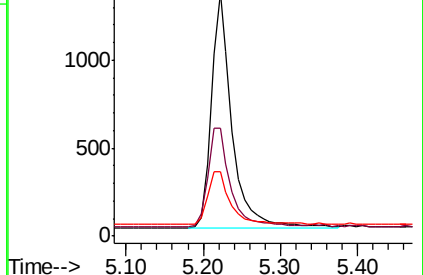
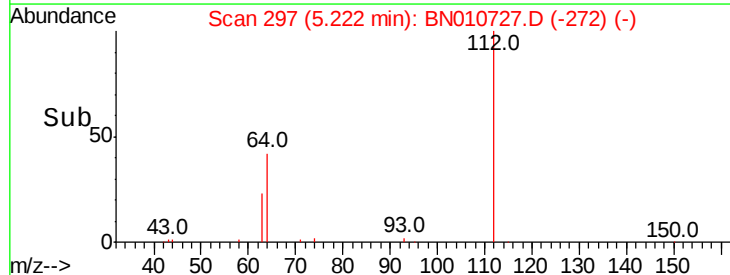


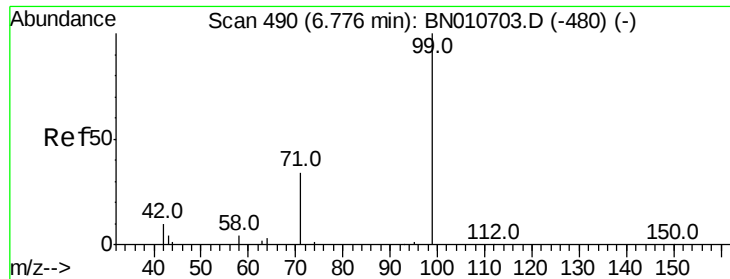
Abundance Ion 112.00 (111.70 to 112.70): BN010703.D (-292) (-)

Ion 64.00 (63.70 to 64.70): BN010703.D (-292) (-)

Ion 63.00 (62.70 to 63.70): BN010703.D (-292) (-)

Time-->





#5

Phenol-d6

Concen: 0.247 ng

RT: 6.77 min Scan# 489

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

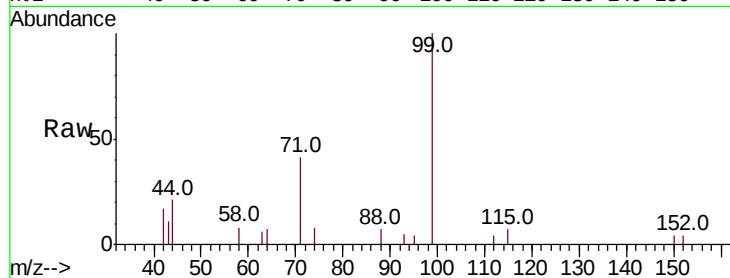
Tot Ion: 99 Resp: 2953

Ion Ratio Lower Upper

99 100

42 12.2 9.8 14.8

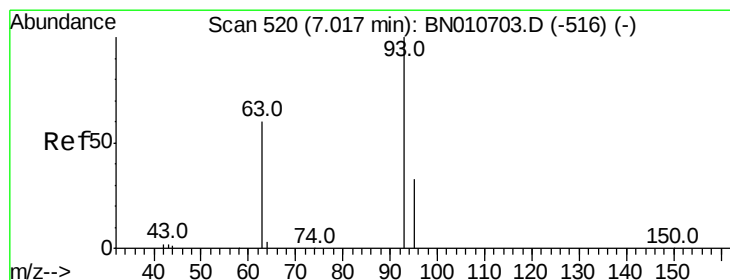
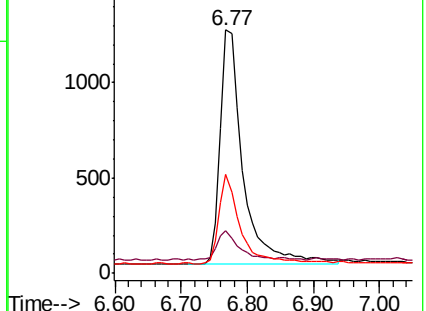
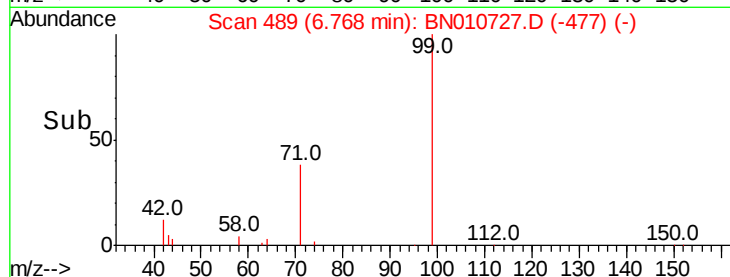
71 34.5 28.6 42.8



Abundance Ion 99.00 (98.70 to 99.70): BN010727.D (-477) (-)

Ion 42.00 (41.70 to 42.70): BN010727.D (-477) (-)

Ion 71.00 (70.70 to 71.70): BN010727.D (-477) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.060 ng

RT: 7.03 min Scan# 521

Delta R.T. 0.01 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

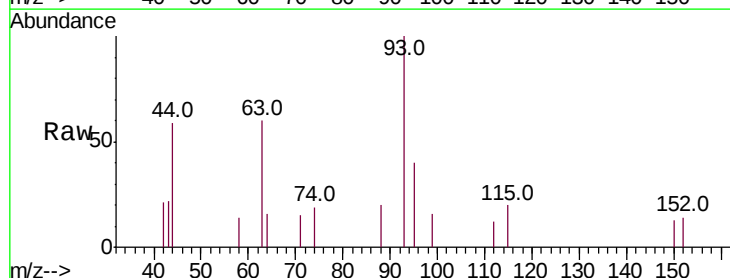
Tgt Ion: 93 Resp: 745

Ion Ratio Lower Upper

93 100

63 56.9 43.1 64.7

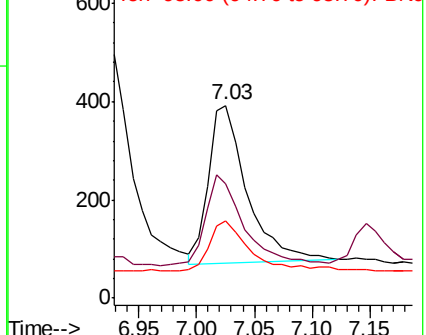
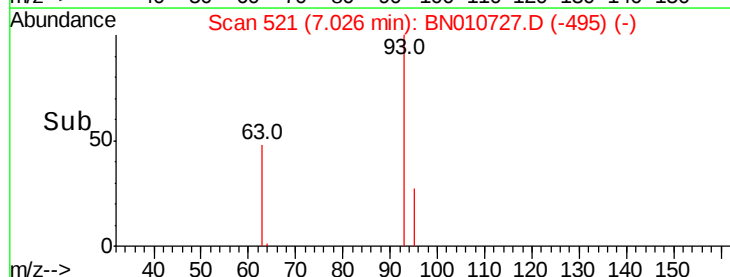
95 34.4 24.6 37.0

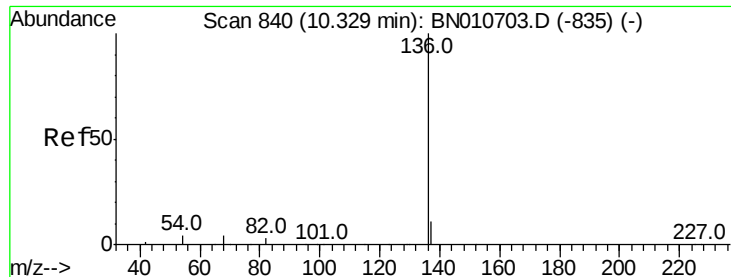


Abundance Ion 93.00 (92.70 to 93.70): BN010727.D (-495) (-)

Ion 63.00 (62.70 to 63.70): BN010727.D (-495) (-)

Ion 95.00 (94.70 to 95.70): BN010727.D (-495) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

Tot Ion:136 Resp: 19011

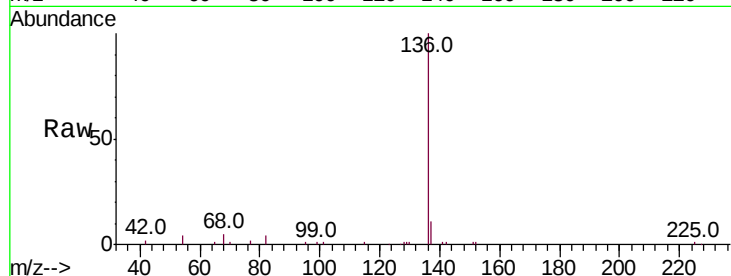
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 4.2 3.6 5.4

68 4.9 4.1 6.1

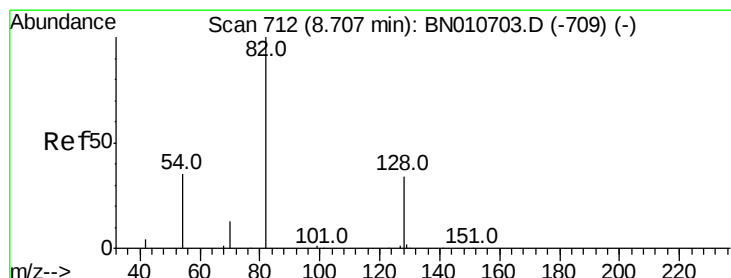
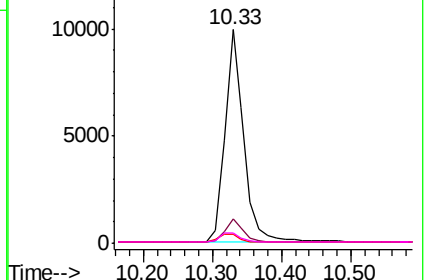
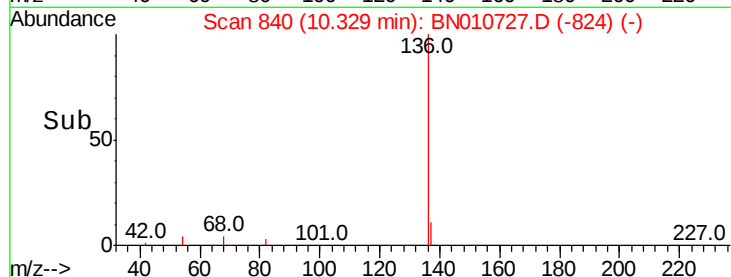


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.237 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.01 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

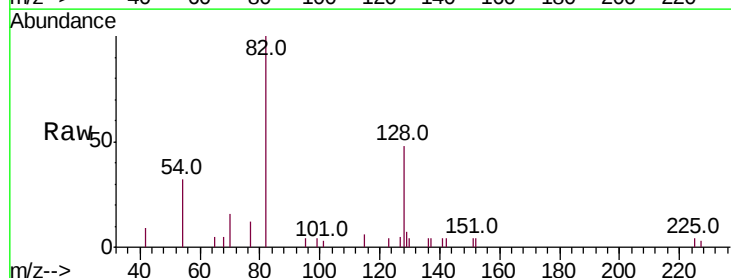
Tgt Ion: 82 Resp: 3129

Ion Ratio Lower Upper

82 100

128 48.2 29.0 43.4#

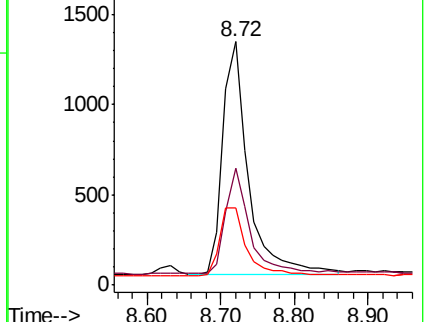
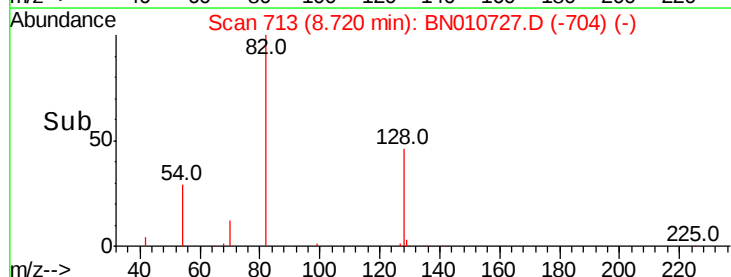
54 31.7 29.3 43.9

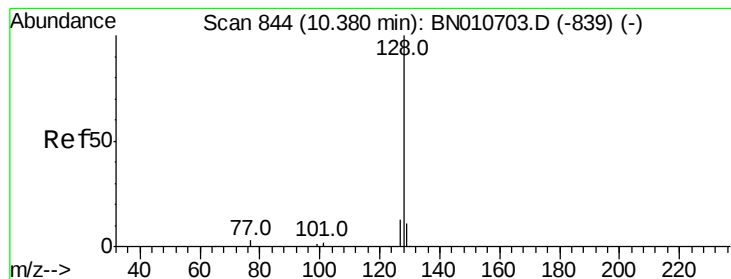


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.065 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

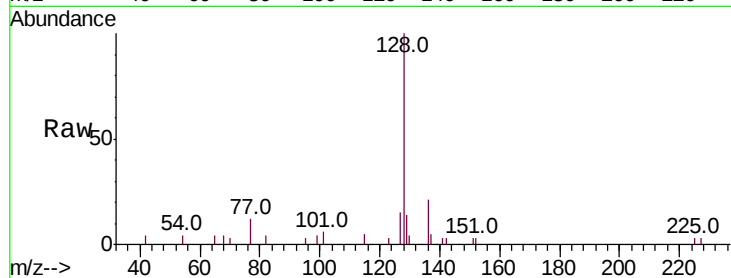
Tot Ion:128 Resp: 3124

Ion Ratio Lower Upper

128 100

129 13.7 9.3 13.9

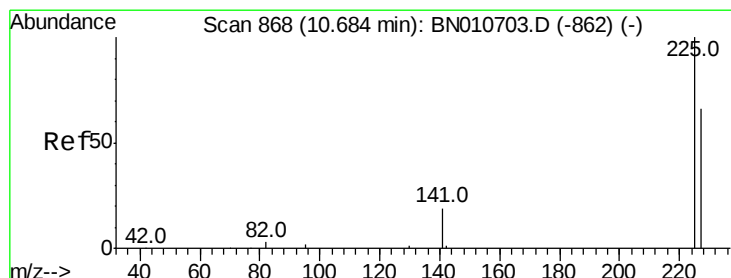
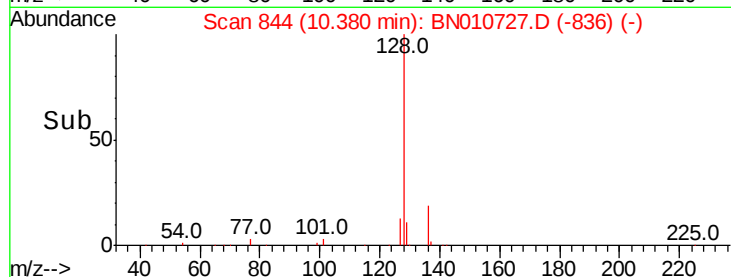
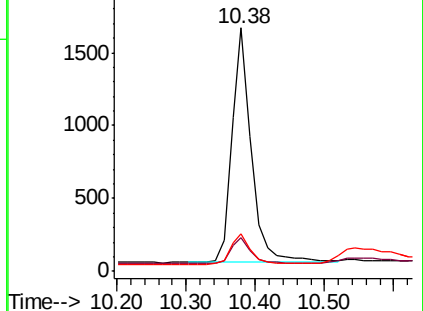
127 15.3 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.061 ng

RT: 10.67 min Scan# 867

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

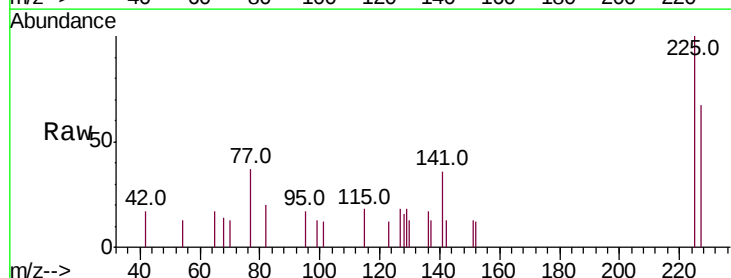
Tgt Ion:225 Resp: 671

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

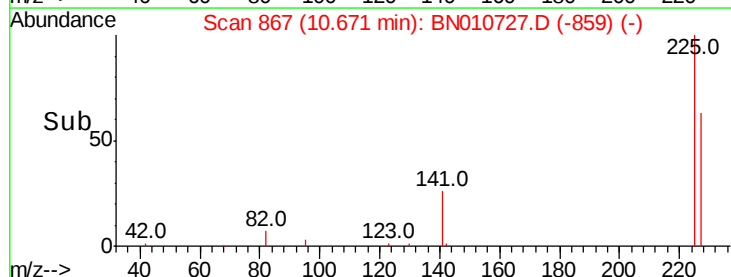
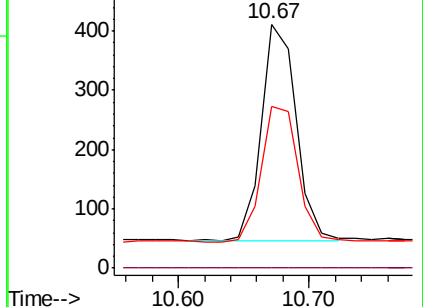
227 65.9 50.7 76.1

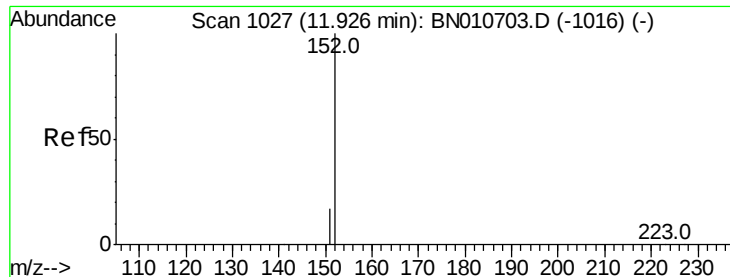


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

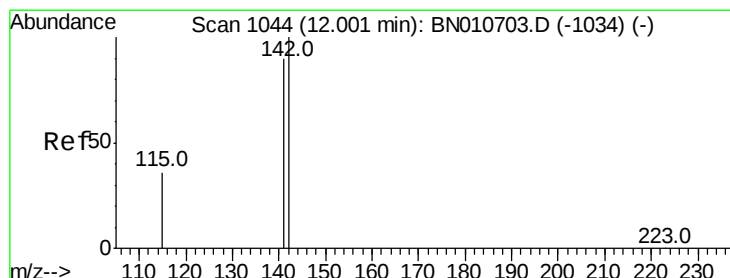
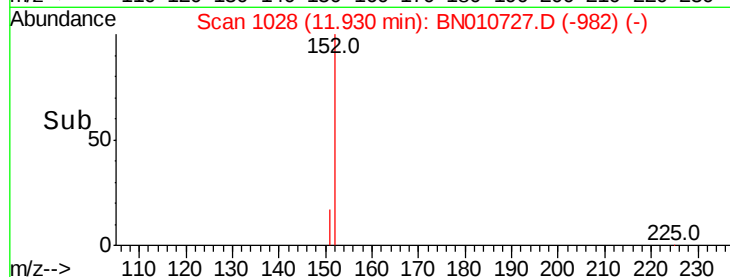
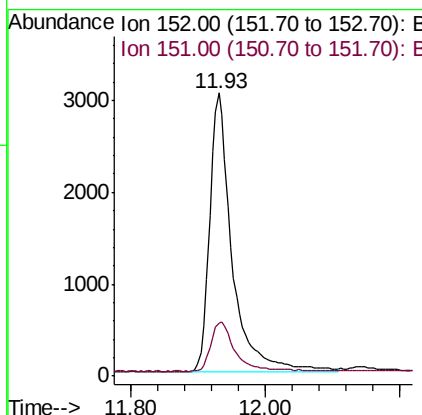
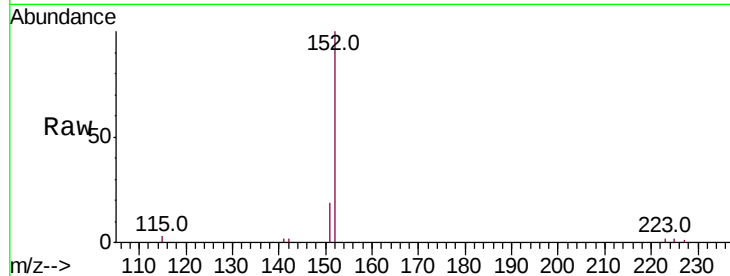




#11  
2-Methylnaphthalene-d10  
Concen: 0.225 ng  
RT: 11.93 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

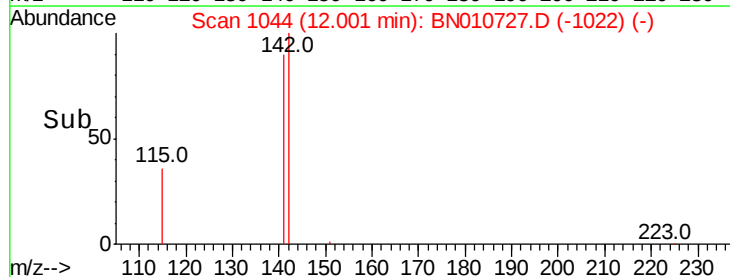
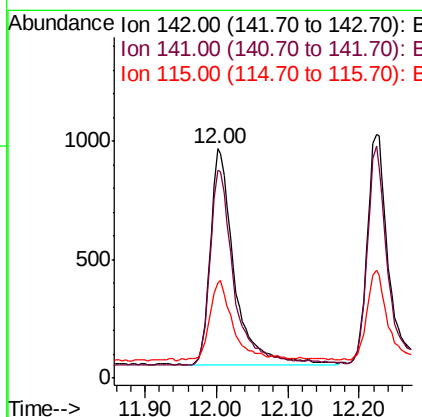
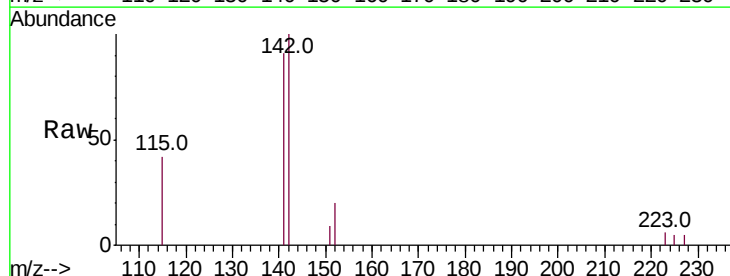
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2020

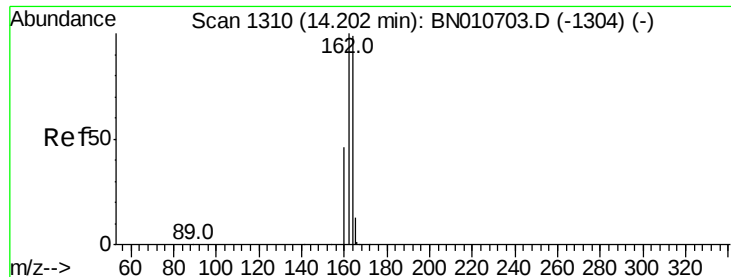
Tot Ion:152 Resp: 6984  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.0 22.6



#12  
2-Methylnaphthalene  
Concen: 0.063 ng  
RT: 12.00 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

Tgt Ion:142 Resp: 2114  
Ion Ratio Lower Upper  
142 100  
141 90.8 71.7 107.5  
115 41.7 29.8 44.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

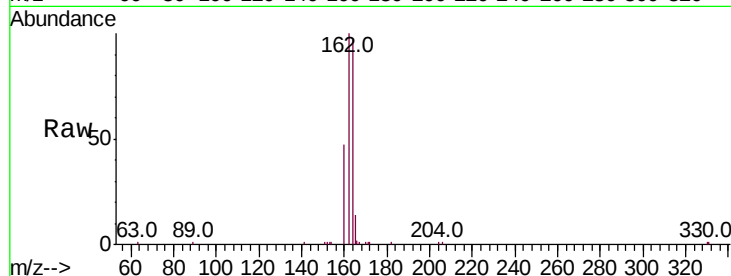
Tot Ion:164 Resp: 11587

Ion Ratio Lower Upper

164 100

162 102.9 81.1 121.7

160 48.6 37.9 56.9

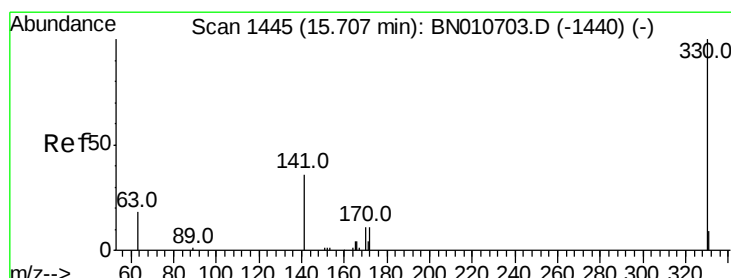
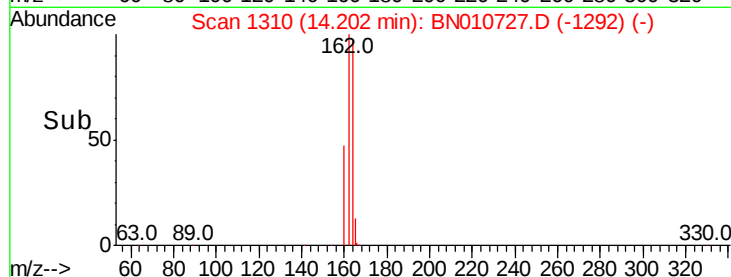
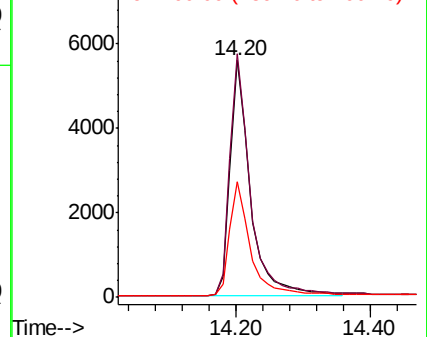


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.208 ng

RT: 15.72 min Scan# 1446

Delta R.T. 0.02 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

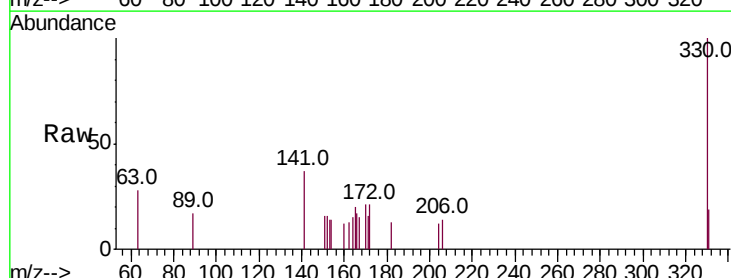
Tgt Ion:330 Resp: 873

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 35.7 28.8 43.2

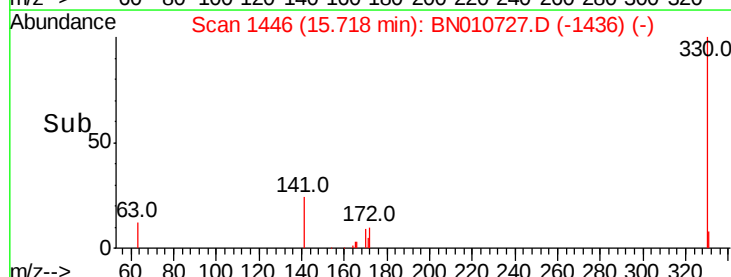
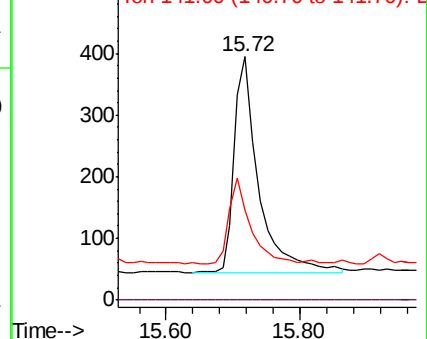


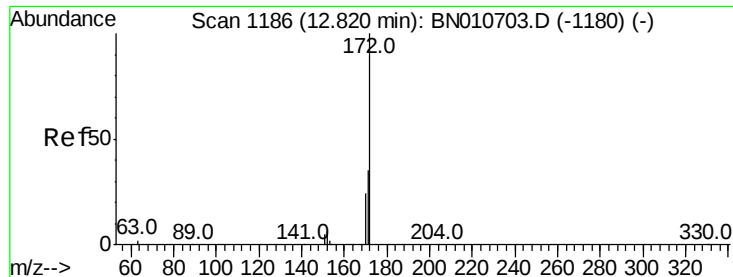
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

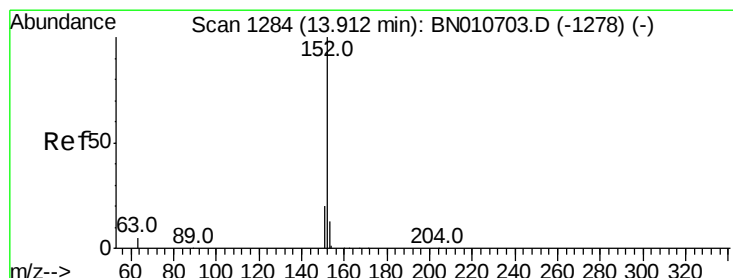
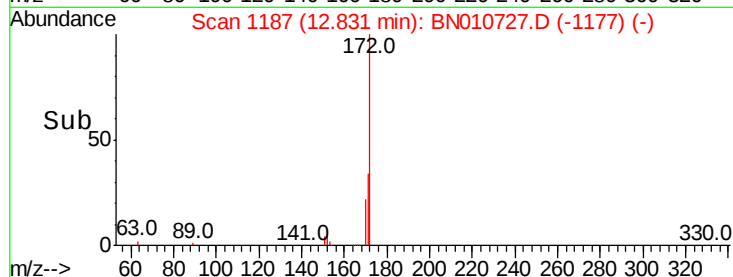
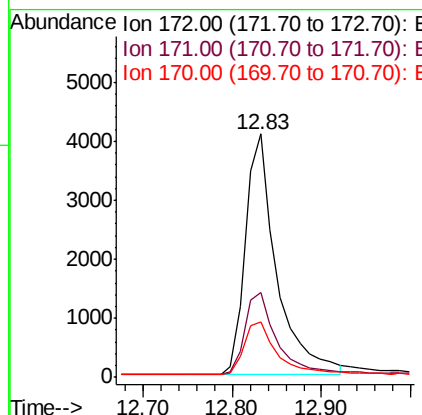
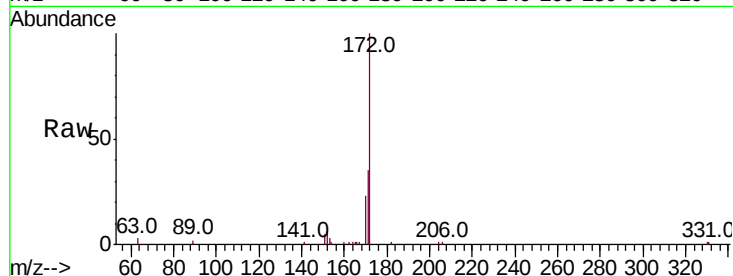




#15  
2-Fluorobiphenyl  
Concen: 0.235 ng  
RT: 12.83 min Scan# 1187  
Delta R.T. 0.02 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

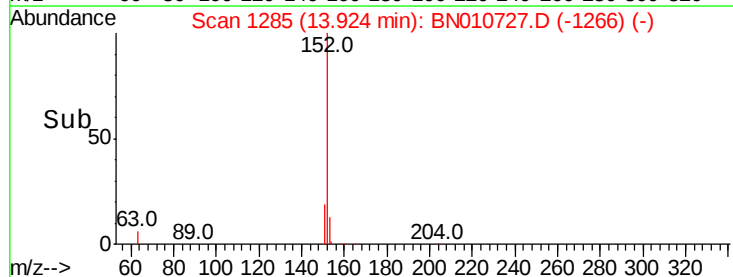
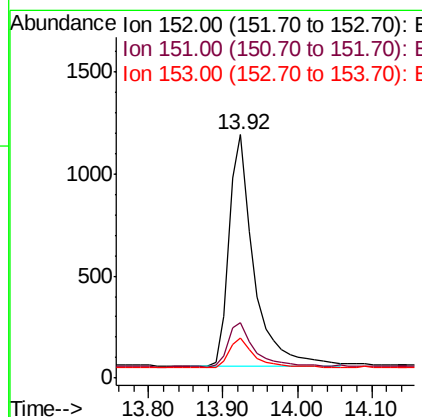
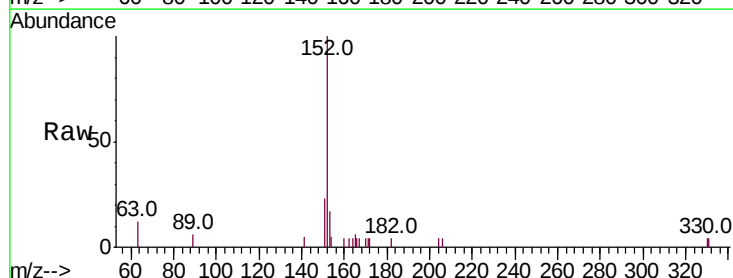
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2020

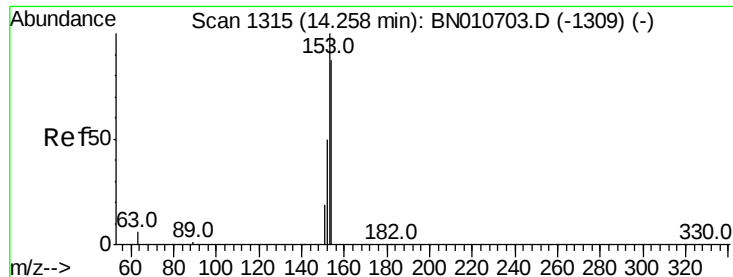
Tot Ion:172 Resp: 9970  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.6 42.8  
170 23.0 19.8 29.8



#16  
Acenaphthylene  
Concen: 0.056 ng  
RT: 13.92 min Scan# 1285  
Delta R.T. 0.02 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

Tgt Ion:152 Resp: 2661  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.6 23.4  
153 13.3 10.4 15.6





#17

Acenaphthene

Concen: 0.061 ng

RT: 14.27 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

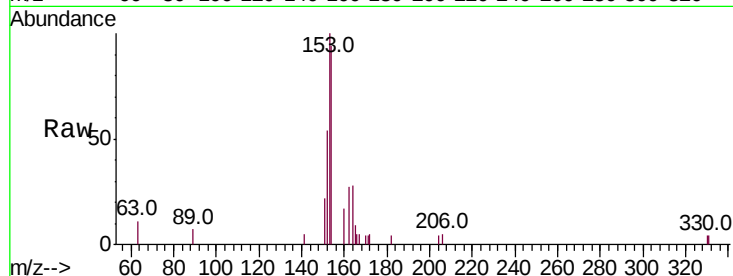
Tot Ion:154 Resp: 1939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 114.6 | 91.5  | 137.3 |
| 152 | 59.7  | 45.6  | 68.4  |

154 100

153 114.6 91.5 137.3

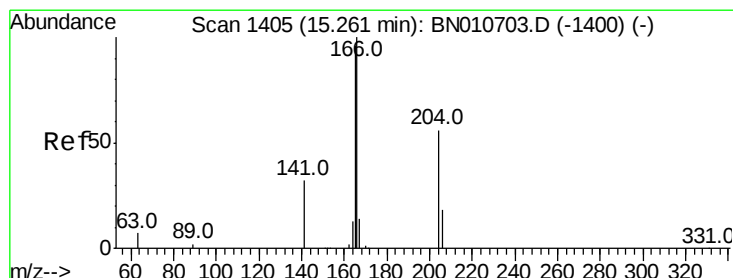
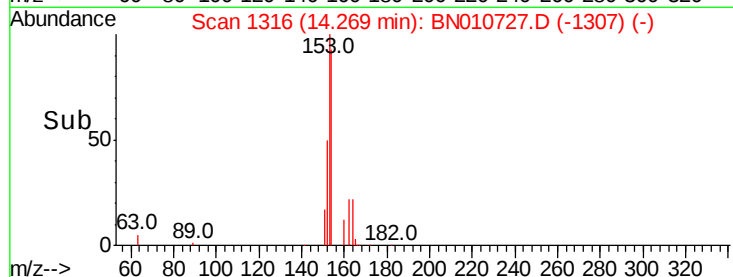
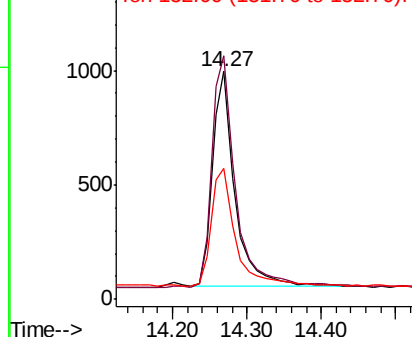
152 59.7 45.6 68.4



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: 0.059 ng

RT: 15.26 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

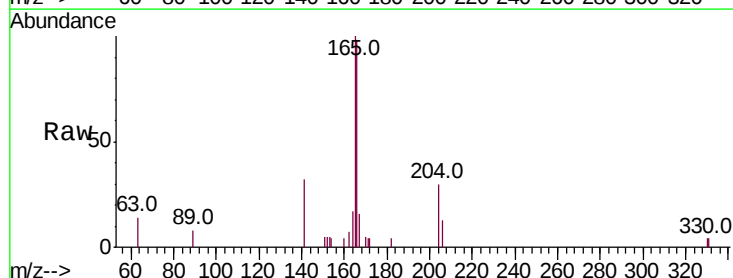
Tgt Ion:166 Resp: 2480

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 98.9  | 77.9  | 116.9 |
| 167 | 13.5  | 11.0  | 16.4  |

166 100

165 98.9 77.9 116.9

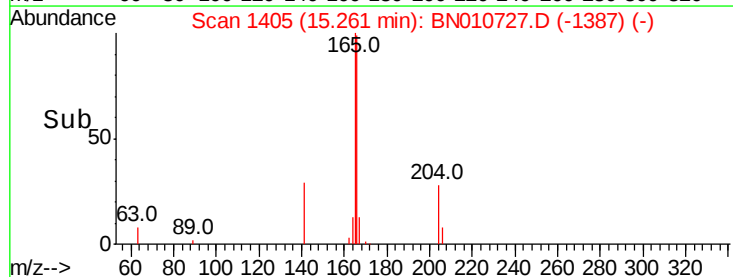
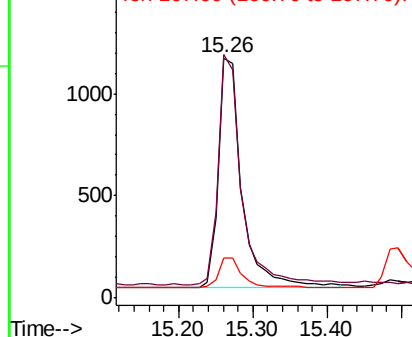
167 13.5 11.0 16.4

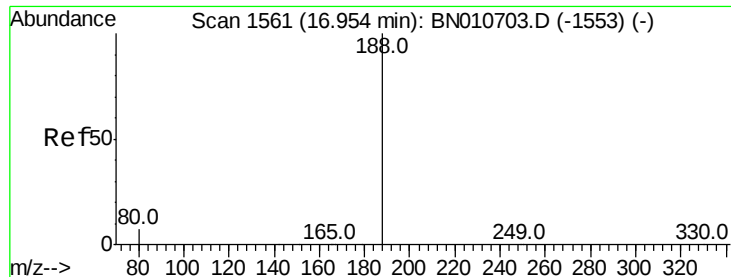


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.95 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

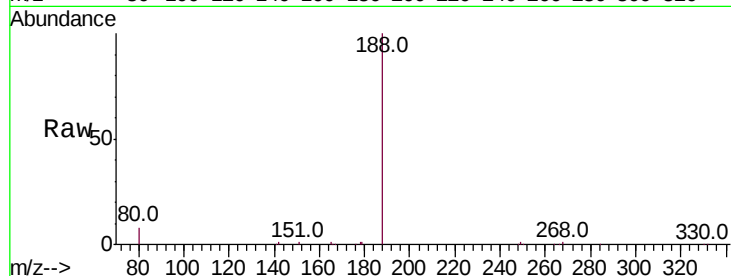
Tot Ion:188 Resp: 24806

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

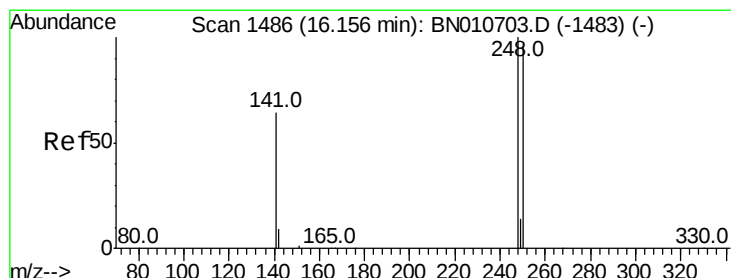
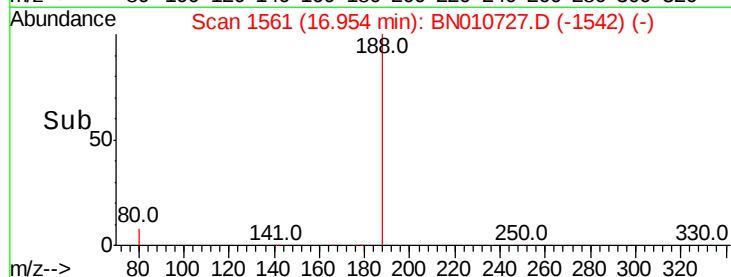
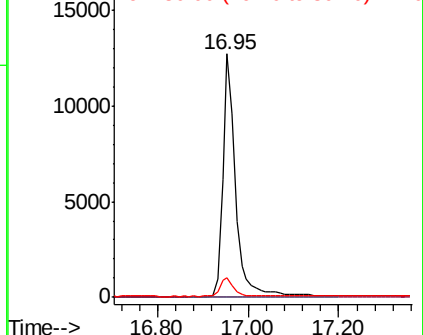
80 8.3 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.052 ng

RT: 16.17 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

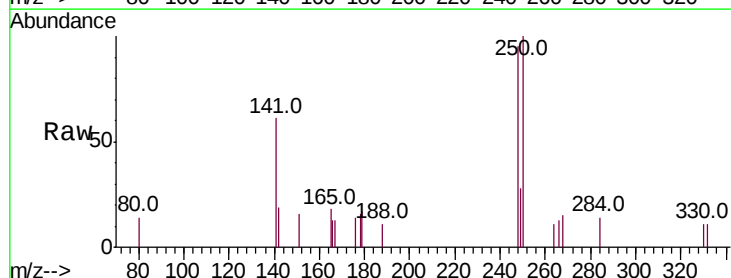
Tgt Ion:248 Resp: 719

Ion Ratio Lower Upper

248 100

250 105.4 77.4 116.0

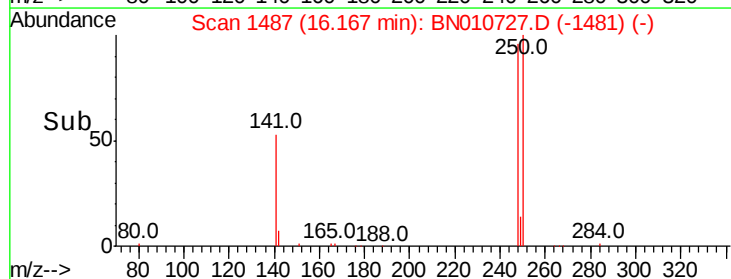
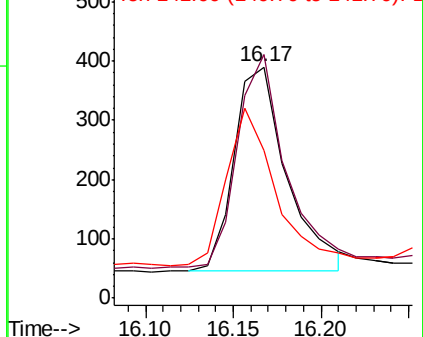
141 64.1 53.1 79.7

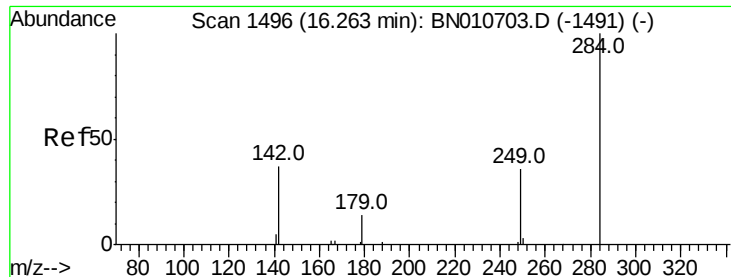


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.063 ng

RT: 16.27 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

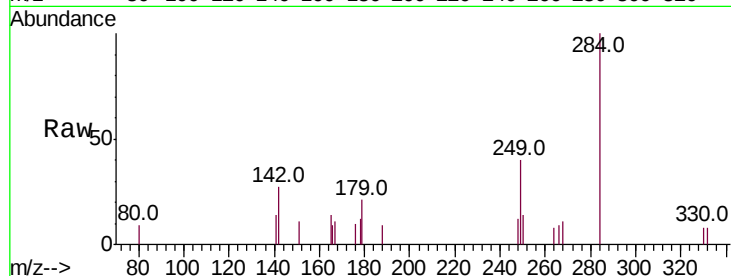
Tot Ion:284 Resp: 1021

Ion Ratio Lower Upper

284 100

142 33.7 28.2 42.2

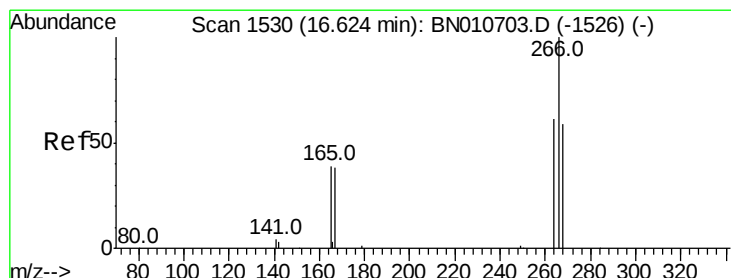
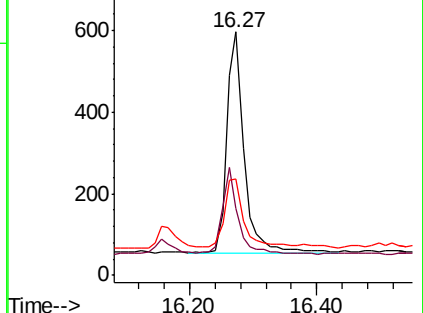
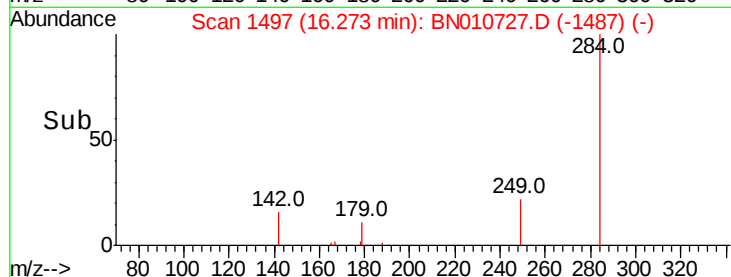
249 33.7 26.4 39.6



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: 0.102 ng

RT: 16.62 min Scan# 1530

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

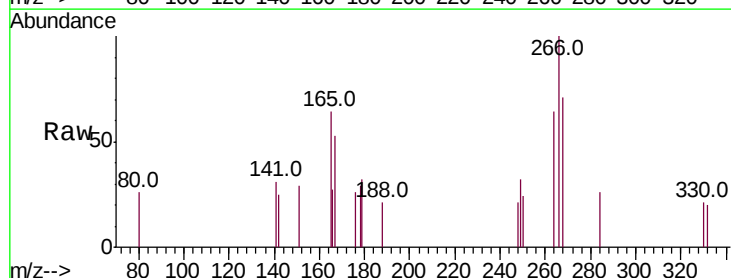
Tgt Ion:266 Resp: 516

Ion Ratio Lower Upper

266 100

264 64.5 51.1 76.7

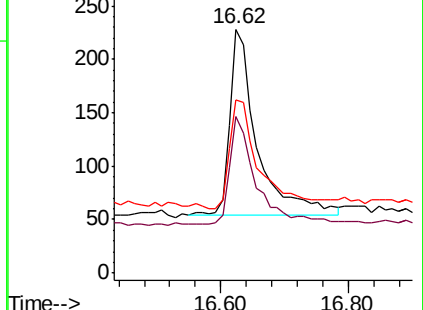
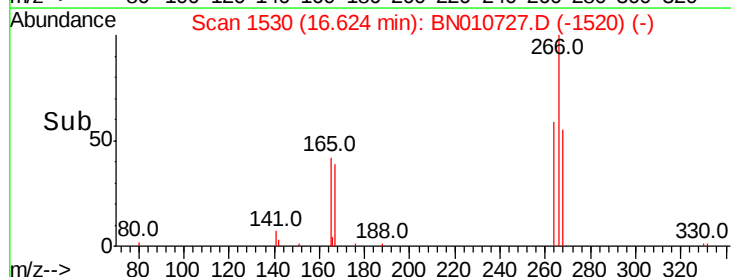
268 71.1 52.1 78.1

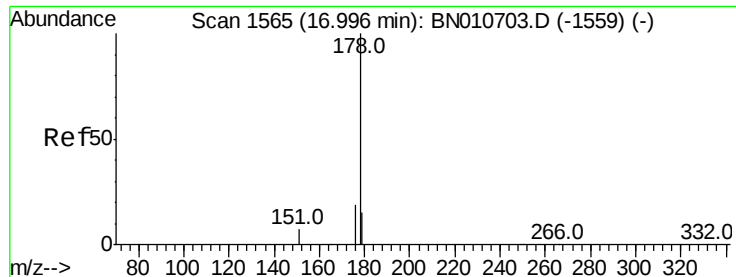


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.060 ng

RT: 17.00 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

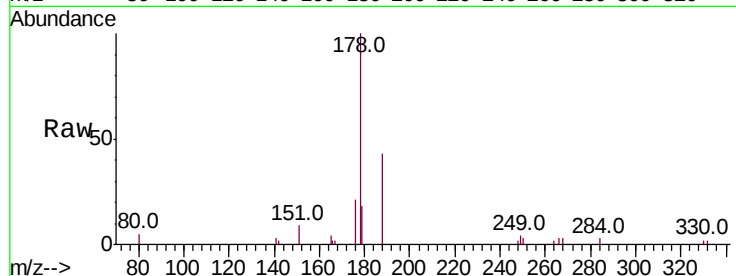
BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

Tot Ion:178 Resp: 3987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.5  | 14.9  | 22.3  |
| 179 | 16.2  | 12.2  | 18.4  |

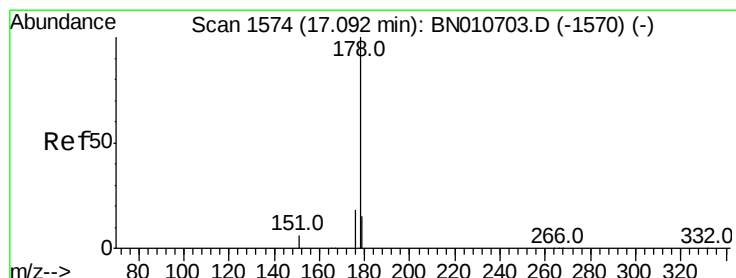
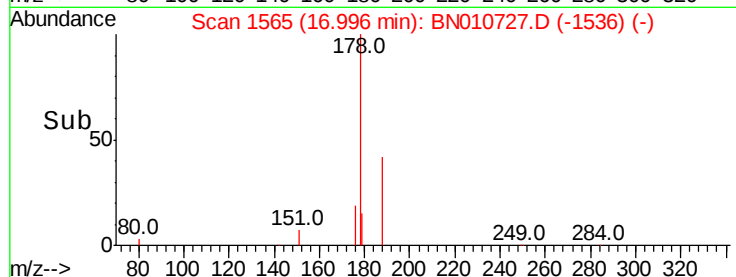
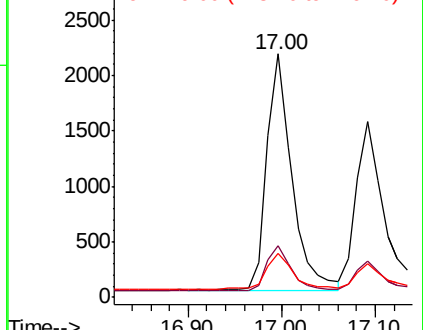


Abundance

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



#24

Anthracene

Concen: 0.054 ng

RT: 17.09 min Scan# 1574

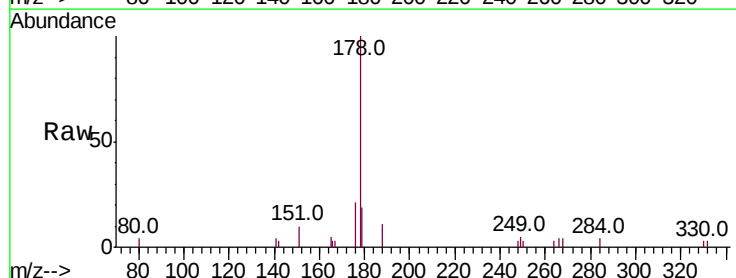
Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Tgt Ion:178 Resp: 3033

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.8  | 14.7  | 22.1  |
| 179 | 16.1  | 12.3  | 18.5  |

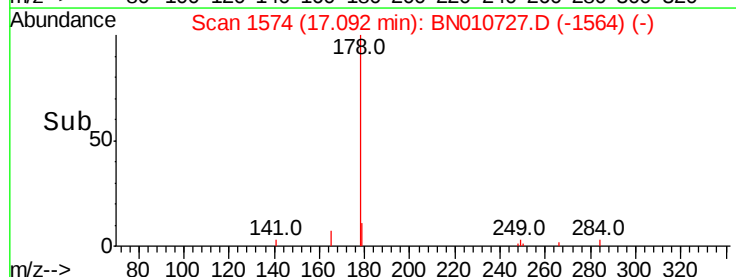
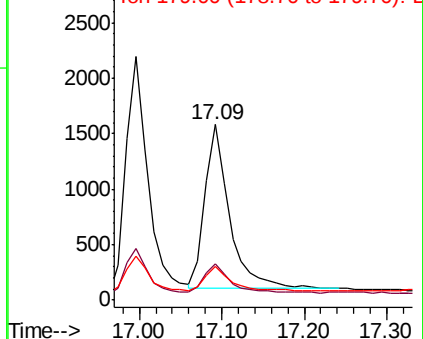


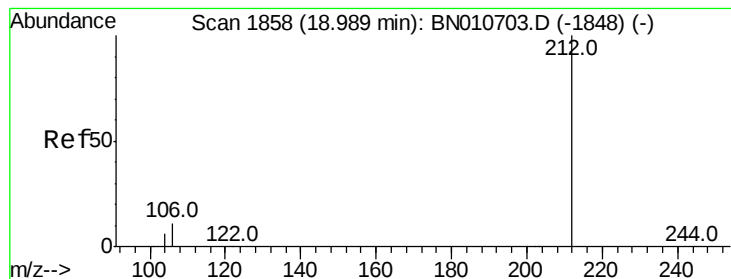
Abundance

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





#25

Fluoranthene-d10

Concen: 0.214 ng

RT: 18.99 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020

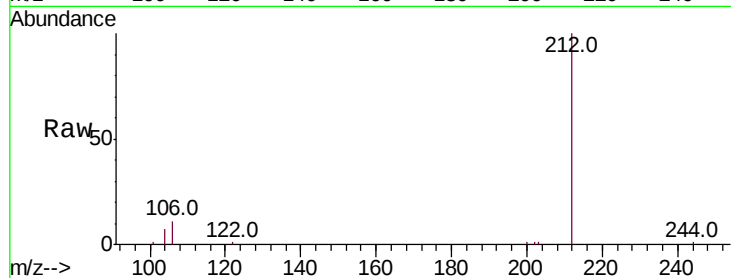
Tot Ion:212 Resp: 14422

Ion Ratio Lower Upper

212 100

106 9.8 8.2 12.2

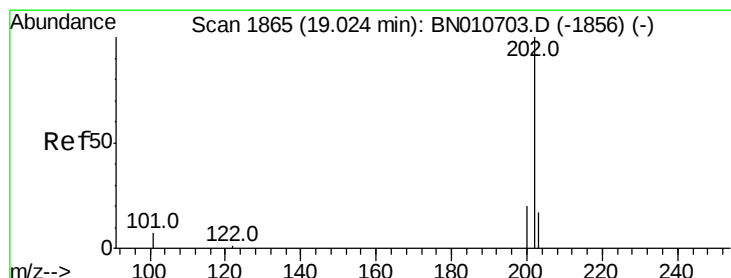
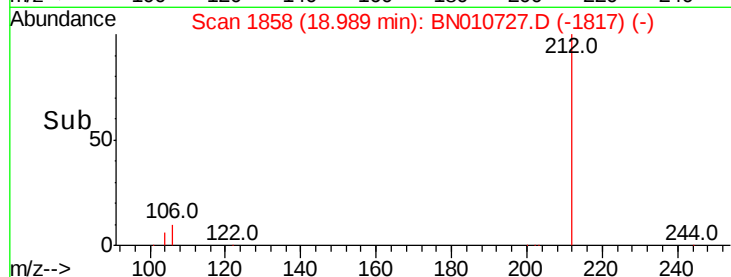
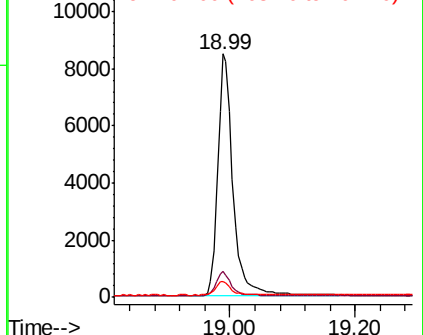
104 5.6 4.7 7.1



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: 0.060 ng

RT: 19.02 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

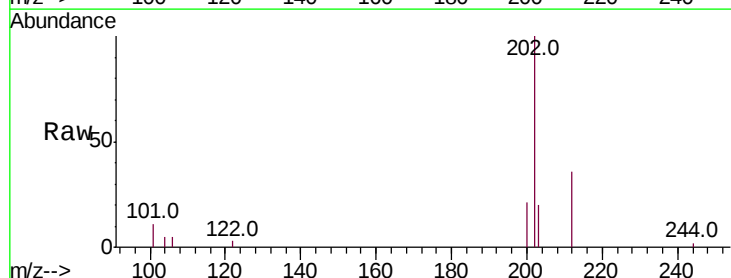
Tgt Ion:202 Resp: 4526

Ion Ratio Lower Upper

202 100

101 9.1 6.7 10.1

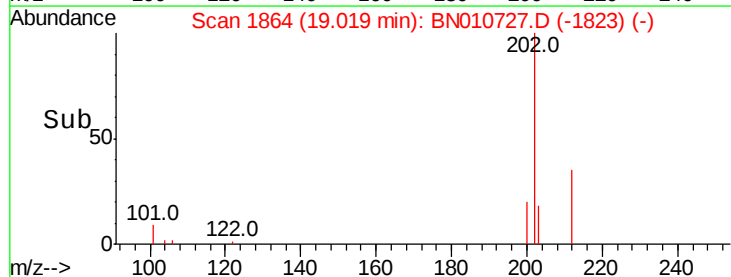
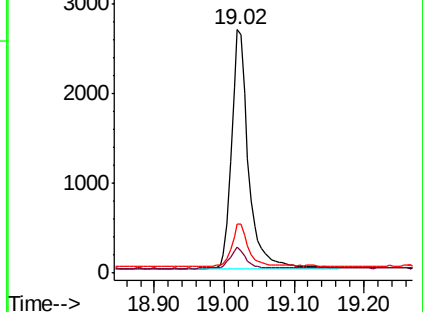
203 17.3 13.4 20.0

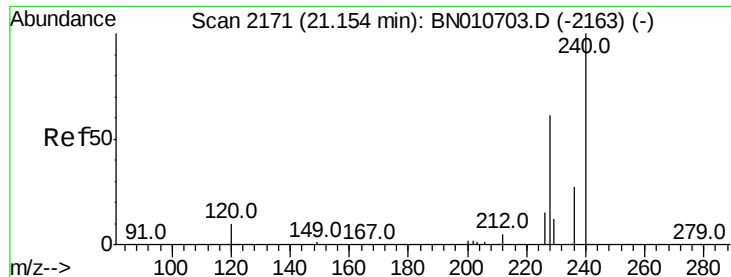


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

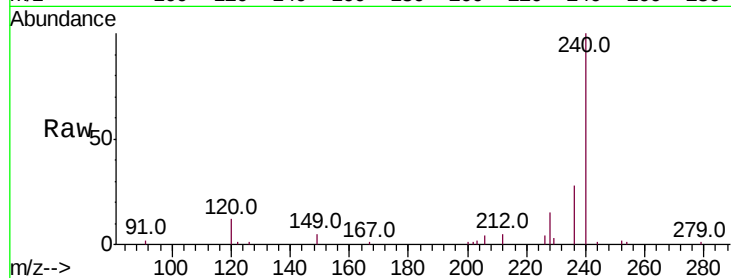




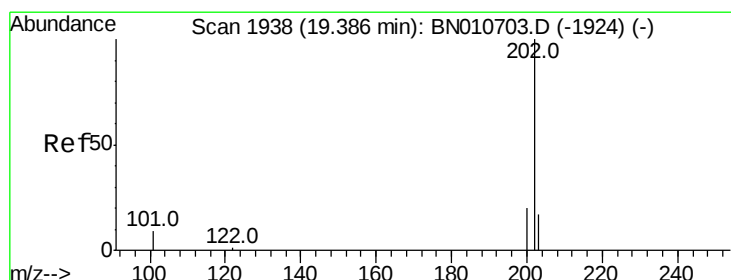
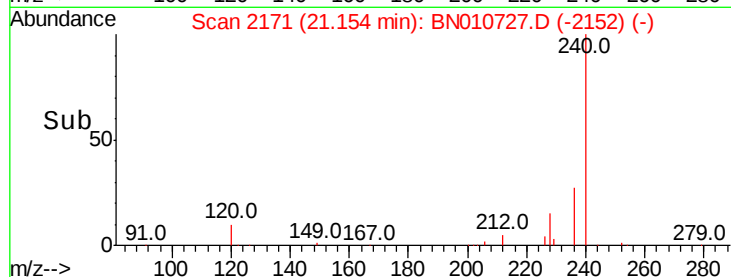
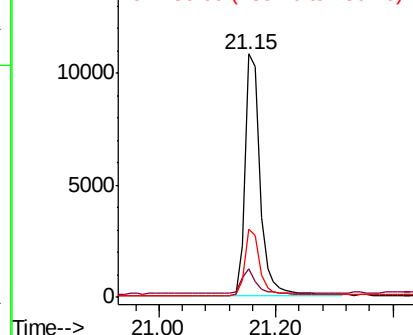
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.15 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2020

Tot Ion:240 Resp: 19389  
Ion Ratio Lower Upper  
240 100  
120 11.9 9.5 14.3  
236 27.9 22.5 33.7

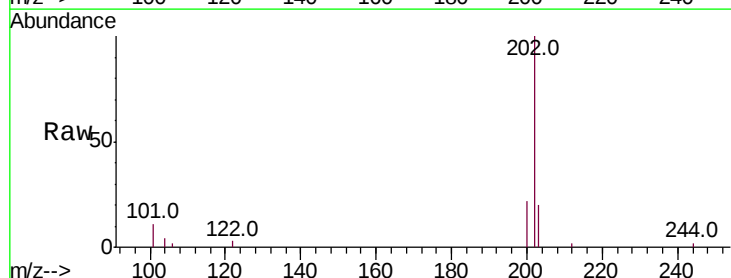


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

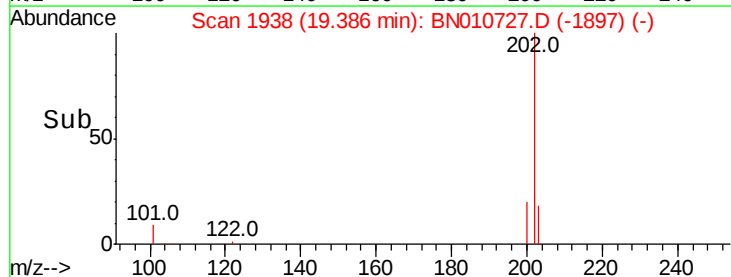
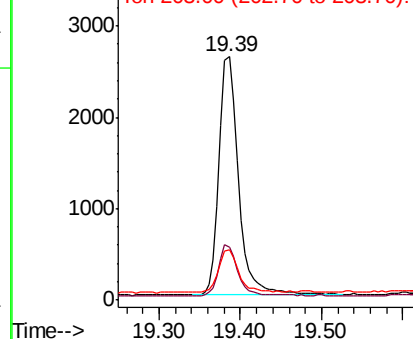


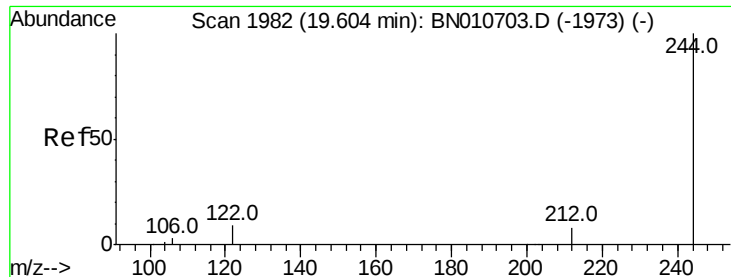
#28  
Pyrene  
Concen: 0.063 ng  
RT: 19.39 min Scan# 1938  
Delta R.T. 0.00 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

Tgt Ion:202 Resp: 4380  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.2 24.4  
203 18.5 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: 0.247 ng

RT: 19.60 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

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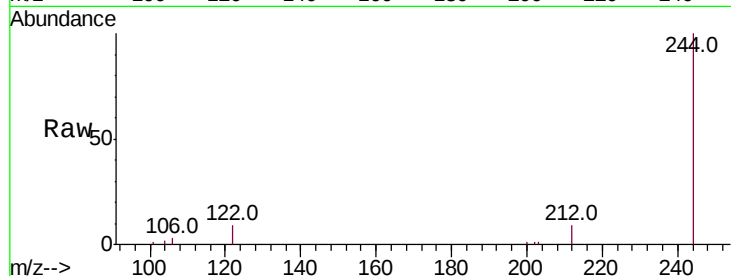
Tot Ion:244 Resp: 11362

Ion Ratio Lower Upper

244 100

212 8.7 6.8 10.2

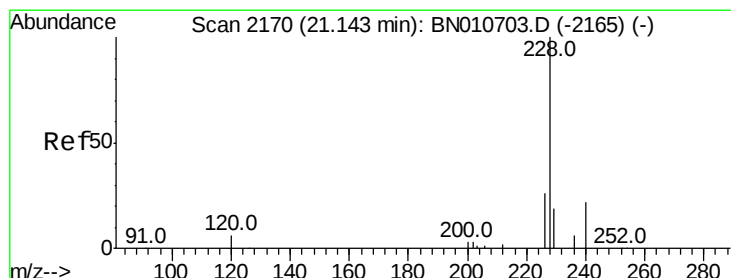
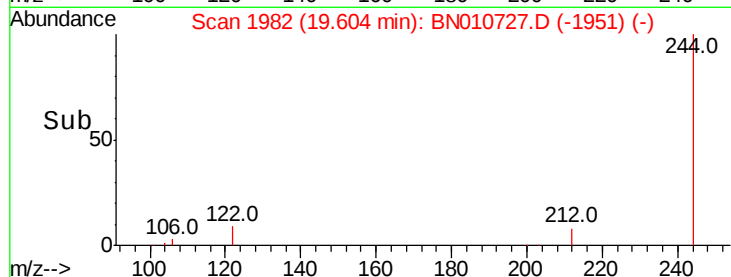
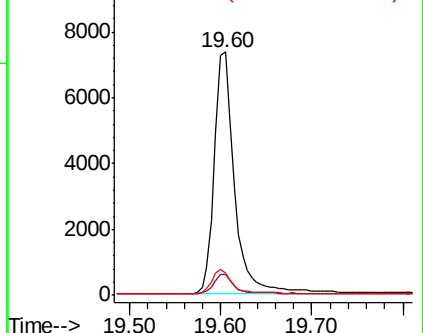
122 9.2 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.065 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

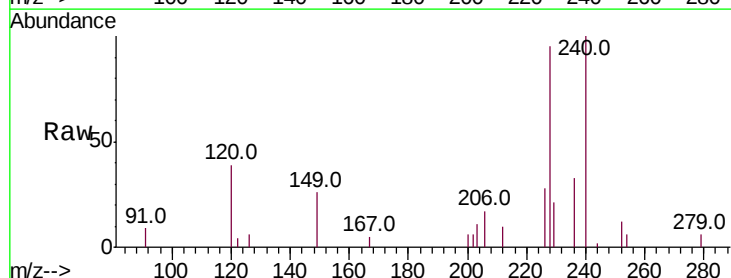
Tgt Ion:228 Resp: 3650

Ion Ratio Lower Upper

228 100

226 29.4 21.3 31.9

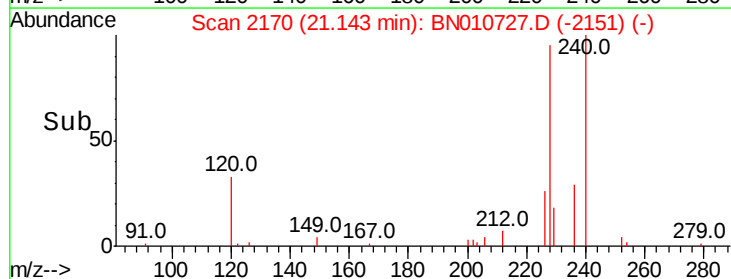
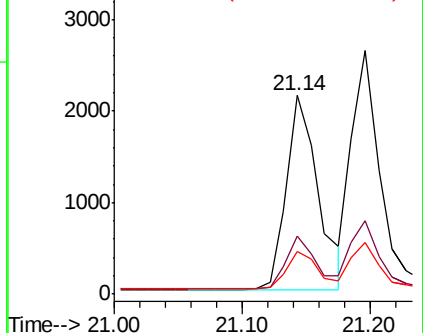
229 21.6 16.0 24.0

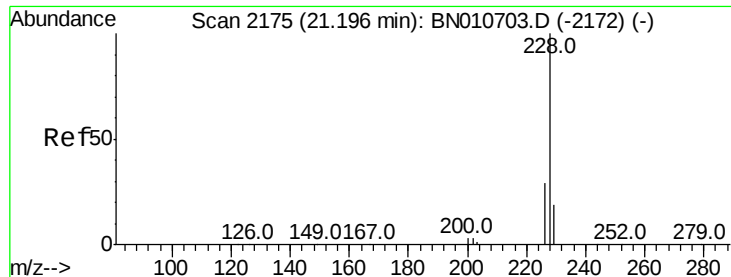


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.063 ng

RT: 21.20 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

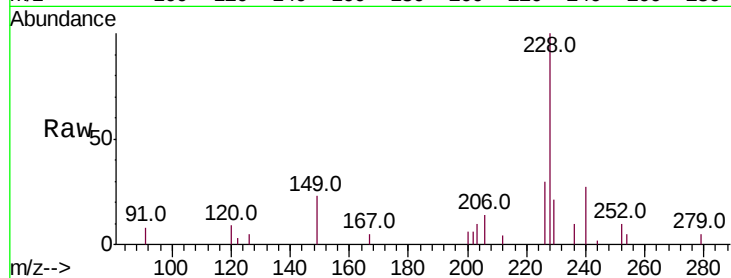
BNA\_N

ClientSampleId :

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Tot Ion:228 Resp: 4010

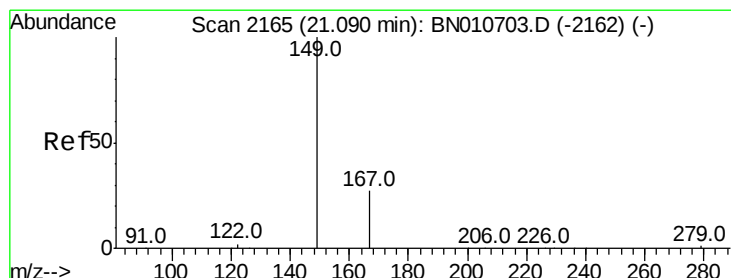
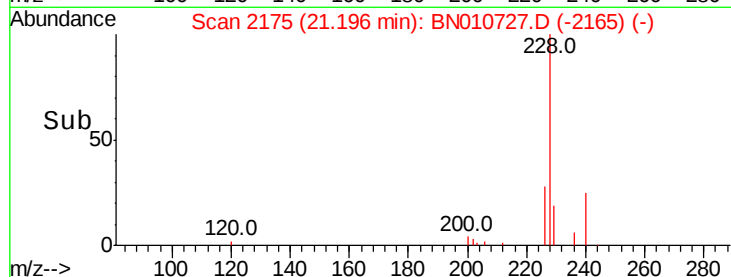
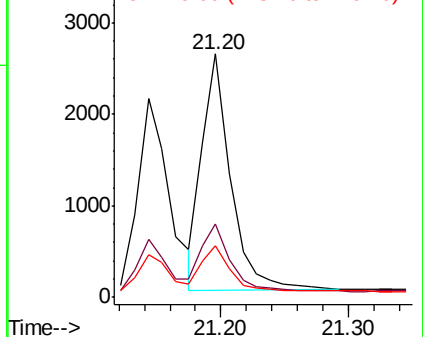
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.0  | 23.4  | 35.0  |
| 229 | 21.2  | 16.1  | 24.1  |



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: 0.090 ng

RT: 21.09 min Scan# 2165

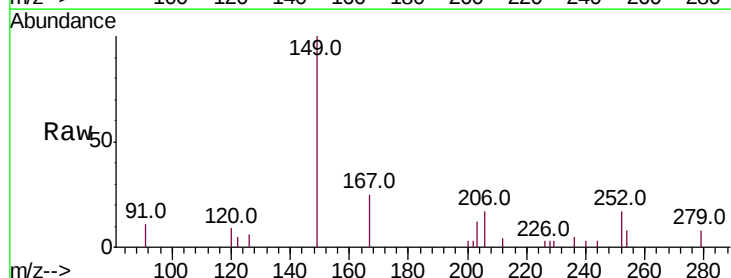
Delta R.T. -0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Tgt Ion:149 Resp: 2231

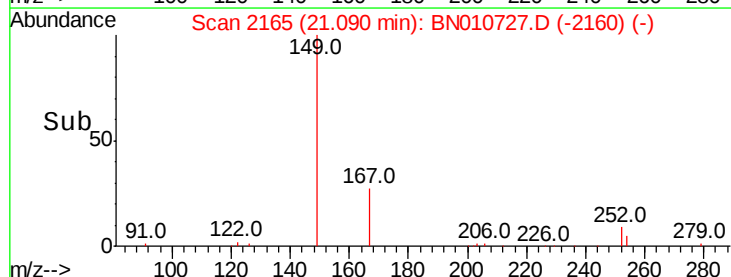
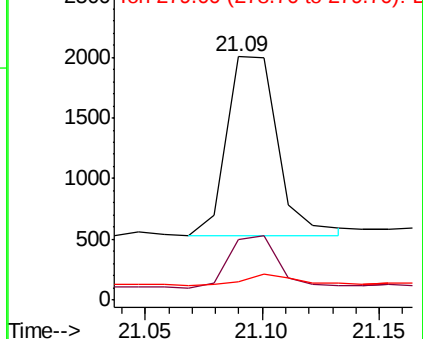
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.3  | 22.5  | 33.7  |
| 279 | 5.8   | 4.1   | 6.1   |

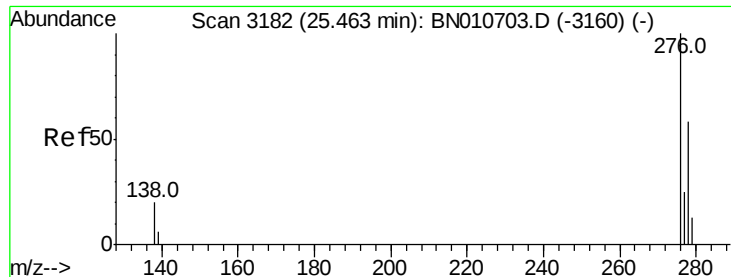


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.060 ng

RT: 25.48 min Scan# 3186

Delta R.T. 0.02 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

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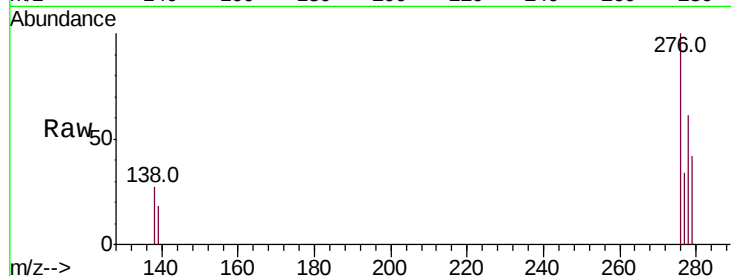
Tot Ion:276 Resp: 3440

Ion Ratio Lower Upper

276 100

138 17.6 15.1 22.7

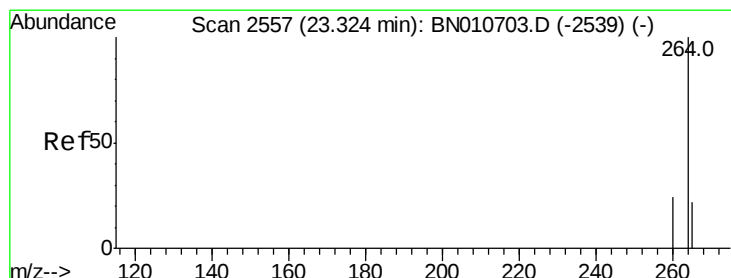
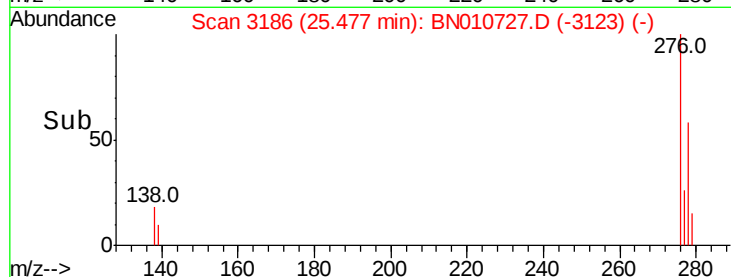
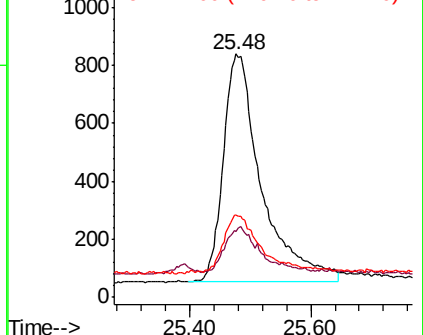
277 24.1 19.4 29.0



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: 23.32 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

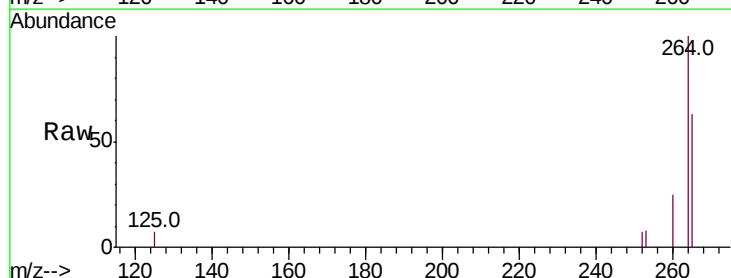
Tgt Ion:264 Resp: 17920

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

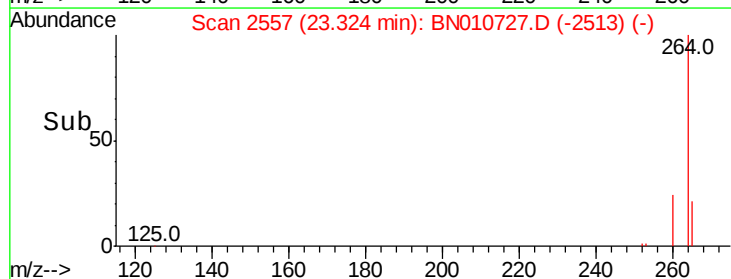
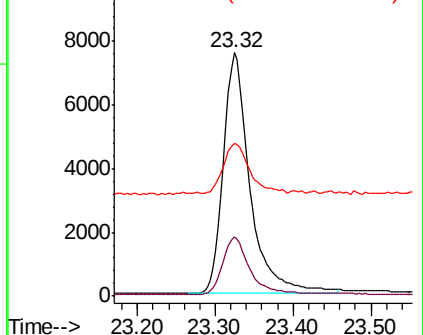
265 62.9 70.1 105.1#

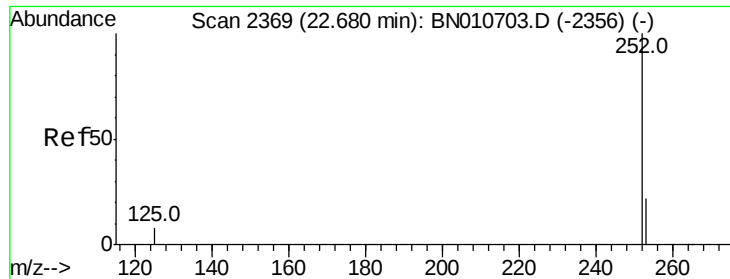


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

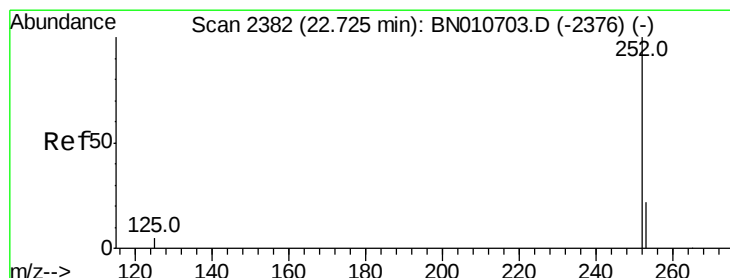
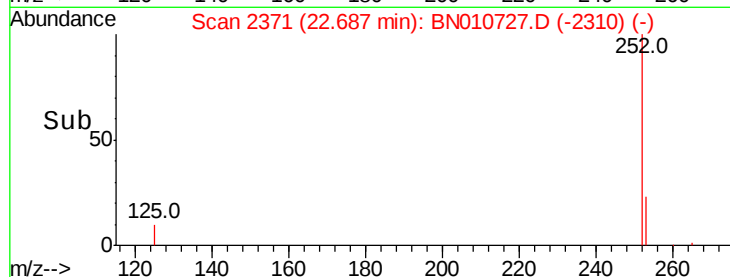
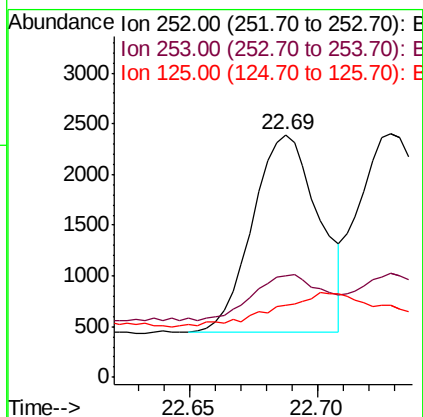
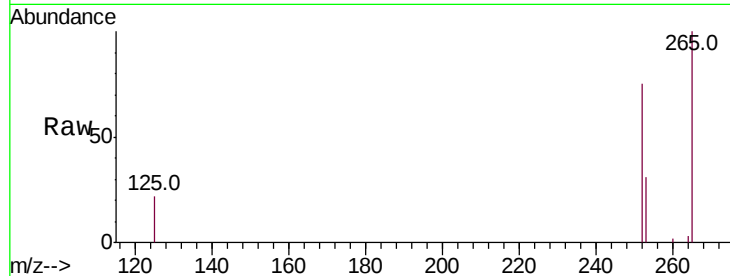




#35  
Benzo(b)fluoranthene  
Concen: 0.059 ng  
RT: 22.69 min Scan# 2371  
Delta R.T. 0.01 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

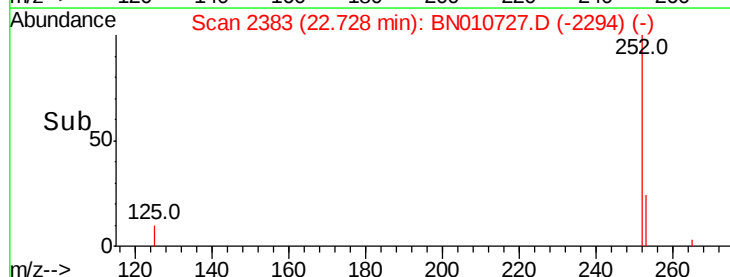
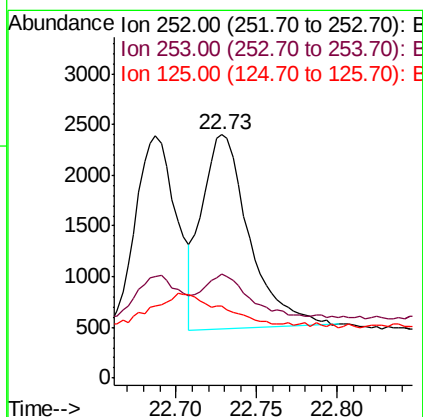
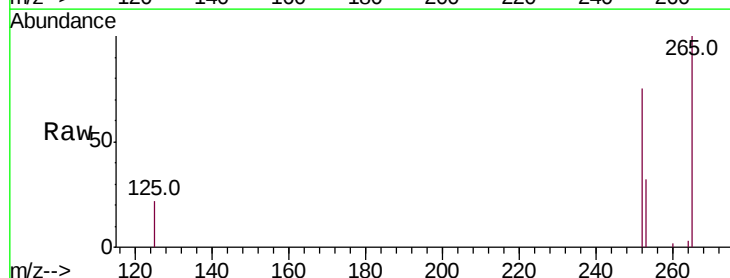
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-03-QT2-2020

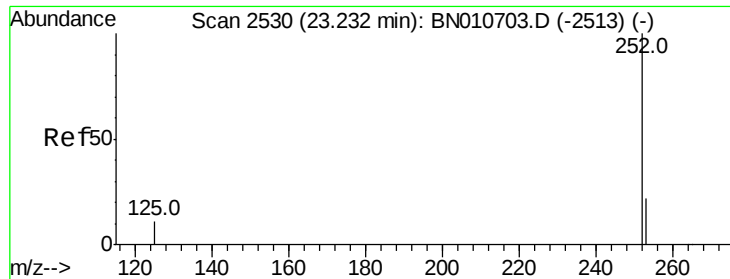
Tot Ion:252 Resp: 3514  
Ion Ratio Lower Upper  
252 100  
253 41.7 22.0 33.0#  
125 30.0 10.8 16.2#



#36  
Benzo(k)fluoranthene  
Concen: 0.061 ng  
RT: 22.73 min Scan# 2383  
Delta R.T. 0.01 min  
Lab File: BN010727.D  
Acq: 15 May 2020 12:26

Tgt Ion:252 Resp: 3901  
Ion Ratio Lower Upper  
252 100  
253 42.5 21.9 32.9#  
125 29.4 11.1 16.7#





#37

Benzo(a)pyrene

Concen: 0.057 ng

RT: 23.24 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

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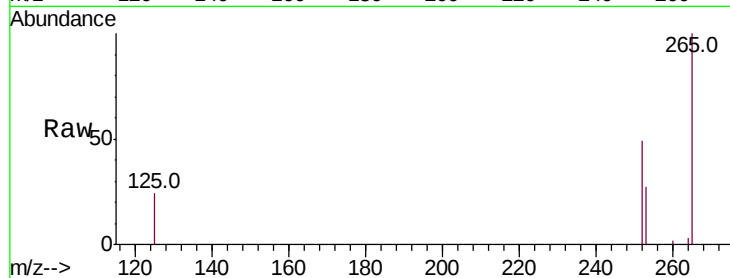
Tot Ion:252 Resp: 2901

Ion Ratio Lower Upper

252 100

253 54.8 24.8 37.2#

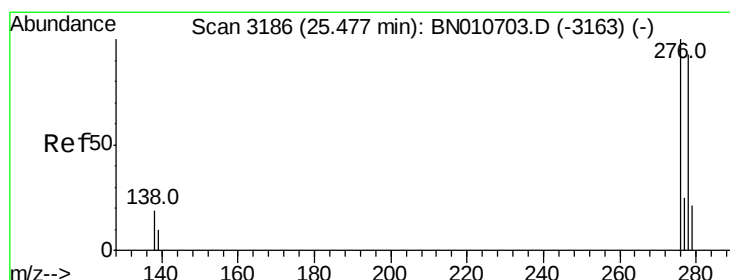
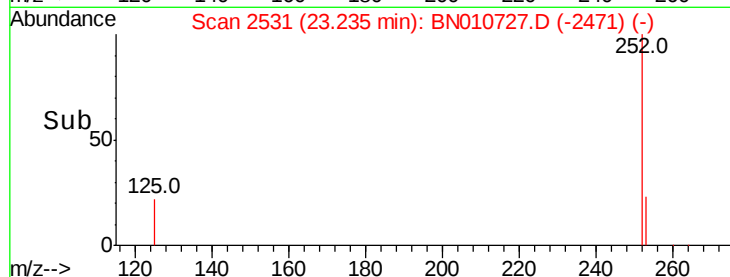
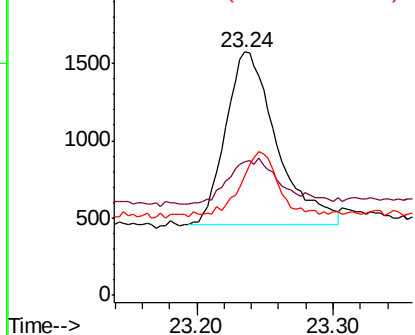
125 49.0 15.8 23.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.062 ng

RT: 25.49 min Scan# 3191

Delta R.T. 0.02 min

Lab File: BN010727.D

Acq: 15 May 2020 12:26

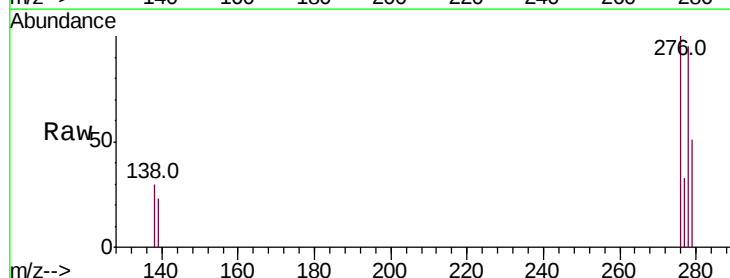
Tgt Ion:278 Resp: 2726

Ion Ratio Lower Upper

278 100

139 24.2 13.0 19.4#

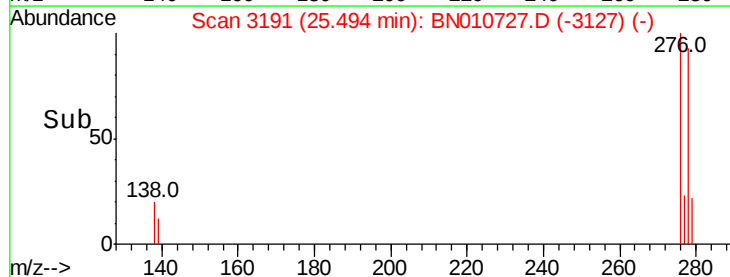
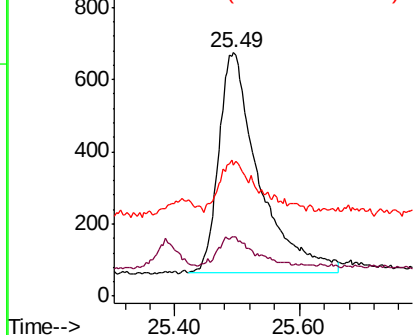
279 53.9 25.1 37.7#

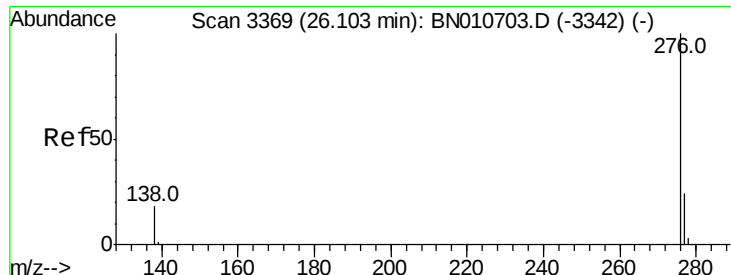


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.063 ng

RT: 26.11 min Scan# 3372

Delta R.T. 0.02 min

Lab File: BN010727.D

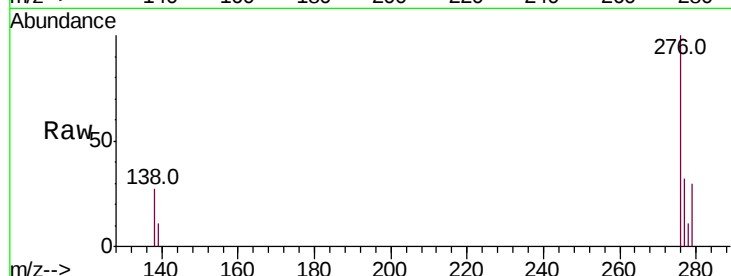
Acq: 15 May 2020 12:26

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-03-QT2-2020



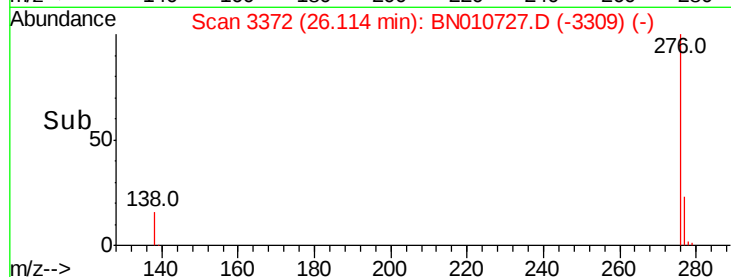
Tot Ion: 276 Resp: 3260

Ion Ratio Lower Upper

276 100

277 31.7 20.6 30.8#

138 26.7 16.0 24.0#



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

