

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090822\  
 Data File : BN021646.D  
 Acq On : 08 Sep 2022 16:01  
 Operator : CG/JU  
 Sample : N3670-01  
 Misc : SFAM-SIM-MDL-WATER01  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-WATER-QT2-2022-03

Quant Time: Sep 08 16:33:30 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 08 14:04:47 2022  
 Response via : Initial Calibration

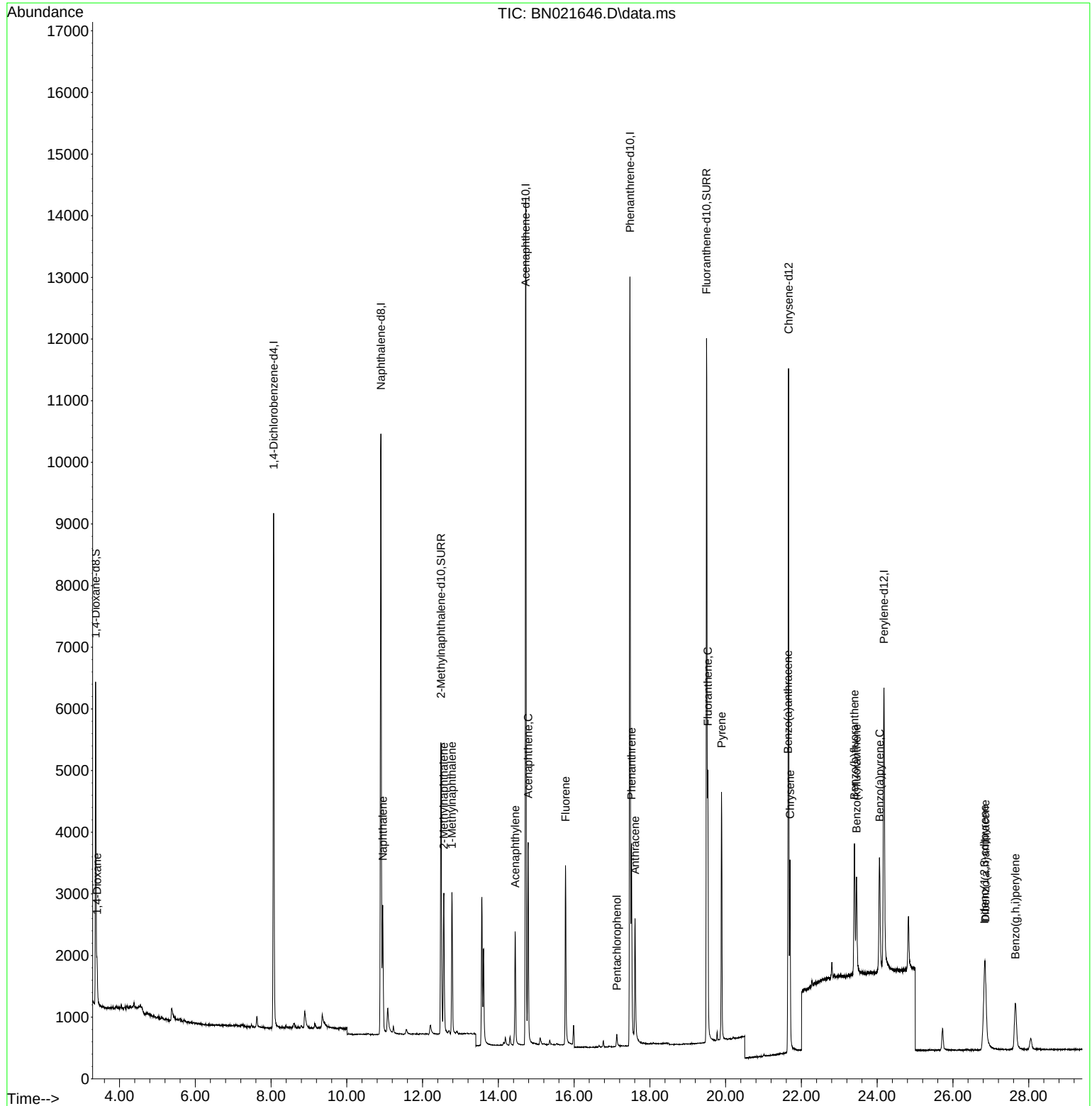
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.068  | 152  | 4508     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.900 | 136  | 14207    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.721 | 164  | 7939     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.472 | 188  | 15933    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.662 | 240  | 10137    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.179 | 264  | 7271     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.368  | 96   | 3632     | 0.655 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.484 | 152  | 6855     | 0.305 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.497 | 212  | 12953    | 0.343 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.406  | 88   | 411      | 0.072 | ng/ul# | 85       |
| 5) Naphthalene              | 10.949 | 128  | 2914     | 0.073 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.561 | 142  | 1846     | 0.071 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.775 | 142  | 1737     | 0.065 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.444 | 152  | 2361     | 0.071 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.786 | 153  | 1958     | 0.069 | ng/ul  | 99       |
| 12) Fluorene                | 15.772 | 166  | 2149     | 0.068 | ng/ul  | 96       |
| 14) Pentachlorophenol       | 17.126 | 266  | 193      | 0.063 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.515 | 178  | 3488     | 0.069 | ng/ul  | 96       |
| 16) Anthracene              | 17.608 | 178  | 2714     | 0.065 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.529 | 202  | 3621     | 0.077 | ng/ul# | 93       |
| 20) Pyrene                  | 19.892 | 202  | 3554     | 0.076 | ng/ul# | 91       |
| 21) Benzo(a)anthracene      | 21.644 | 228  | 2330     | 0.069 | ng/ul  | 95       |
| 22) Chrysene                | 21.700 | 228  | 2798     | 0.076 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.401 | 252  | 2750     | 0.078 | ng/ul# | 60       |
| 25) Benzo(k)fluoranthene    | 23.454 | 252  | 2385     | 0.070 | ng/ul# | 67       |
| 26) Benzo(a)pyrene          | 24.065 | 252  | 2365     | 0.089 | ng/ul# | 25       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.831 | 276  | 2474     | 0.082 | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.854 | 278  | 1924     | 0.075 | ng/ul# | 76       |
| 29) Benzo(g,h,i)perylene    | 27.649 | 276  | 2021     | 0.073 | ng/ul# | 80       |
| -----                       |        |      |          |       |        |          |

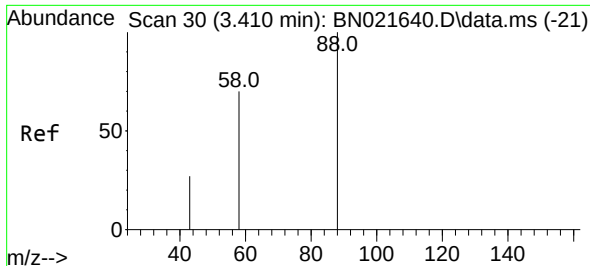
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090822\  
Data File : BN021646.D  
Acq On : 08 Sep 2022 16:01  
Operator : CG/JU  
Sample : N3670-01  
Misc : SFAM-SIM-MDL-WATER01  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

Quant Time: Sep 08 16:33:30 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 08 14:04:47 2022  
Response via : Initial Calibration

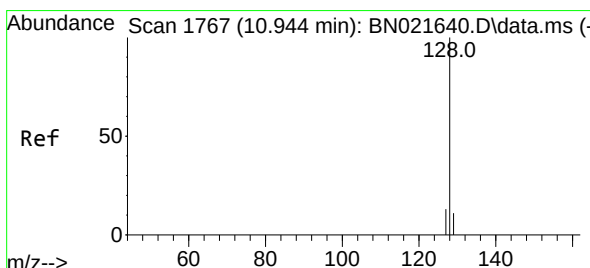
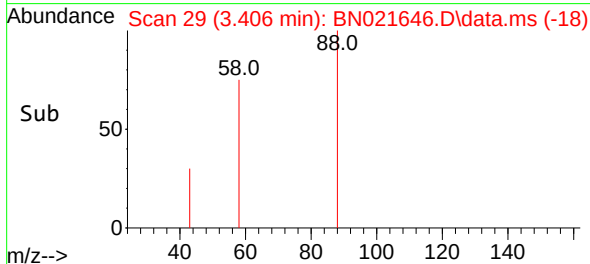
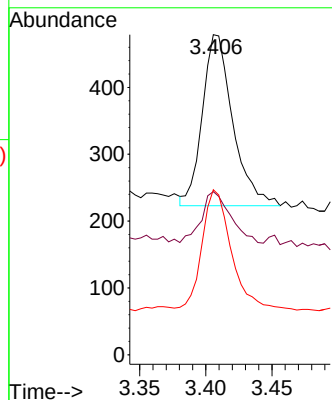
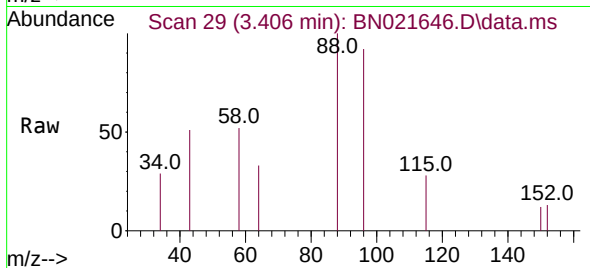




#2  
1,4-Dioxane  
Concen: 0.072 ng/ul  
RT: 3.406 min Scan# 29  
Delta R.T. -0.004 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

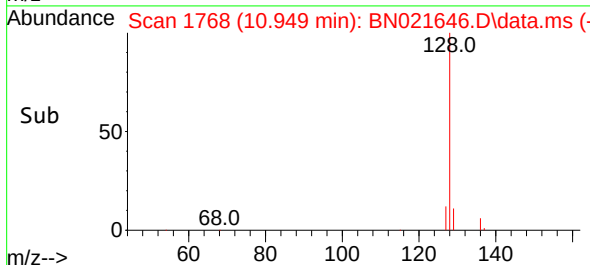
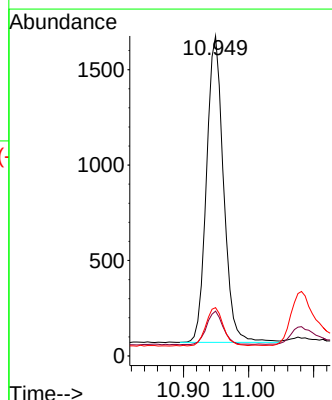
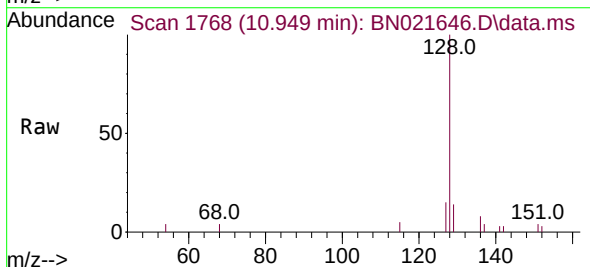
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

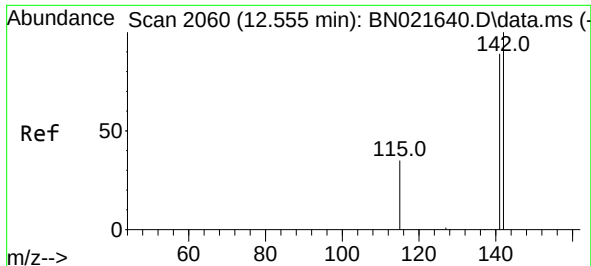
Tgt Ion: 88 Resp: 411  
Ion Ratio Lower Upper  
88 100  
43 50.9 31.4 47.0#  
58 51.6 49.0 73.6



#5  
Naphthalene  
Concen: 0.073 ng/ul  
RT: 10.949 min Scan# 1768  
Delta R.T. 0.006 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

Tgt Ion:128 Resp: 2914  
Ion Ratio Lower Upper  
128 100  
129 14.0 9.8 14.6  
127 15.1 11.6 17.4

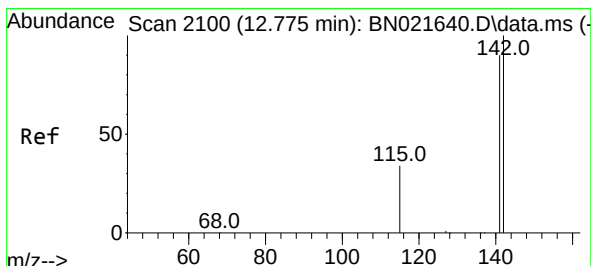
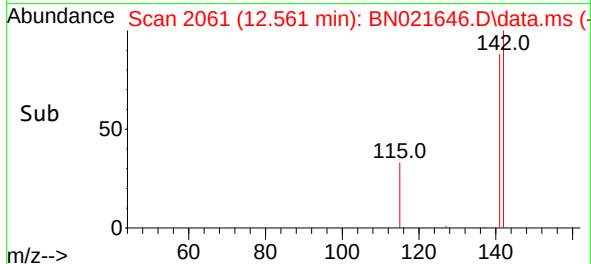
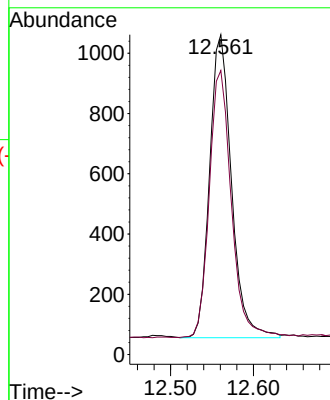
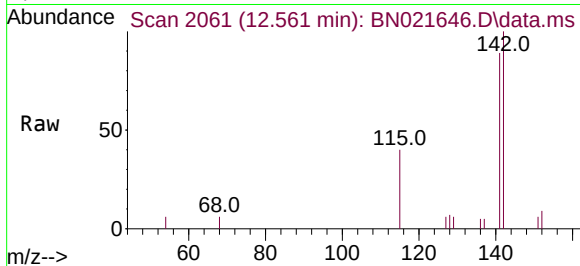




#7  
2-Methylnaphthalene  
Concen: 0.071 ng/ul  
RT: 12.561 min Scan# 2061  
Delta R.T. 0.006 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

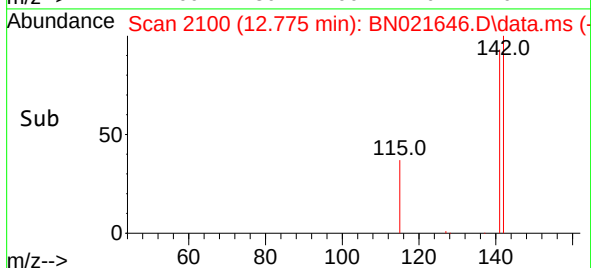
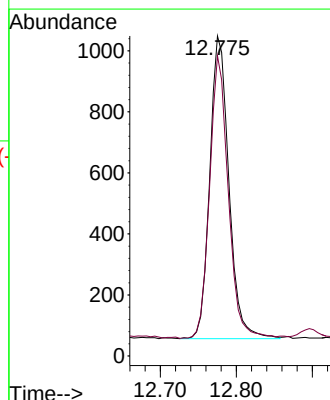
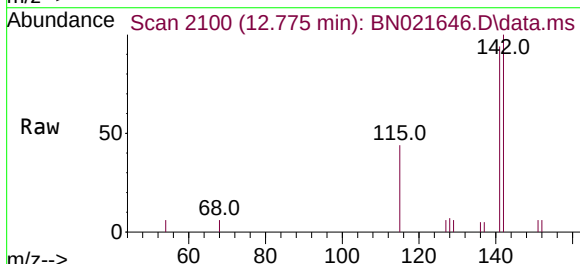
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

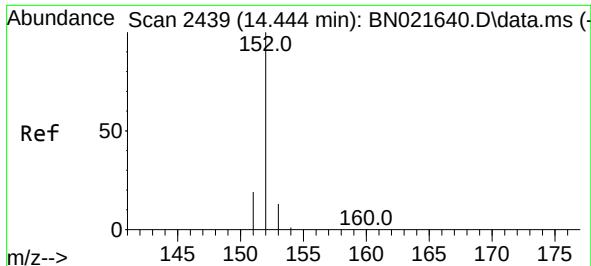
Tgt Ion:142 Resp: 1846  
Ion Ratio Lower Upper  
142 100  
141 88.5 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 0.065 ng/ul  
RT: 12.775 min Scan# 2100  
Delta R.T. 0.000 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

Tgt Ion:142 Resp: 1737  
Ion Ratio Lower Upper  
142 100  
141 91.0 73.9 110.9

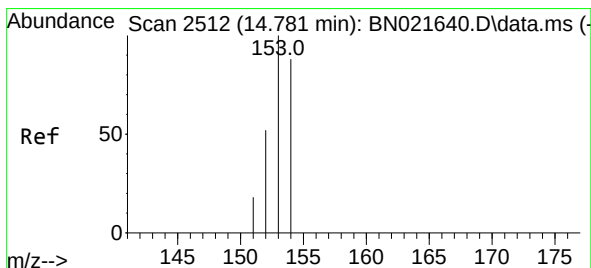
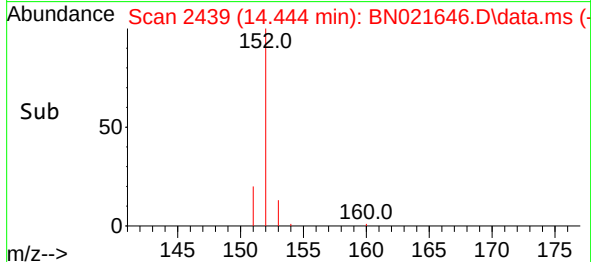
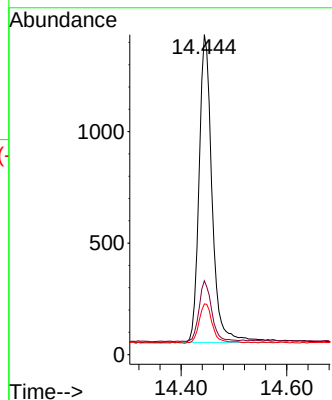
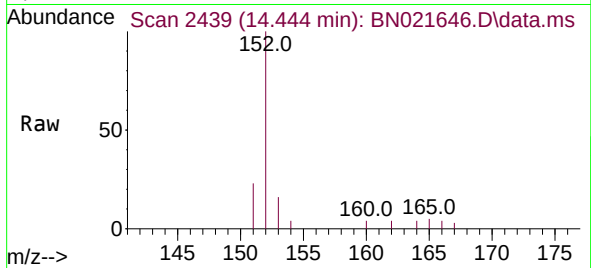




#10  
Acenaphthylene  
Concen: 0.071 ng/ul  
RT: 14.444 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

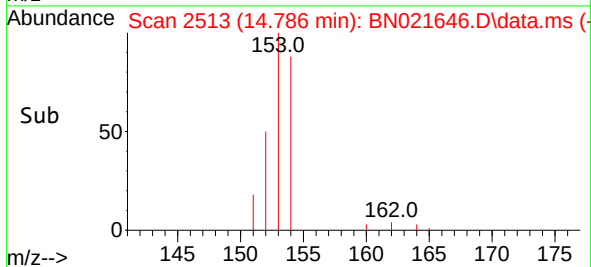
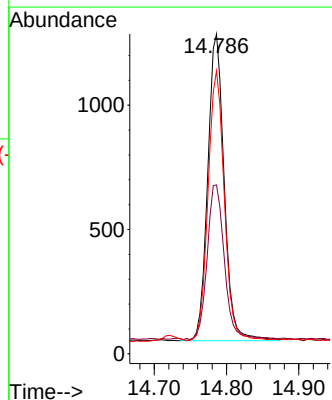
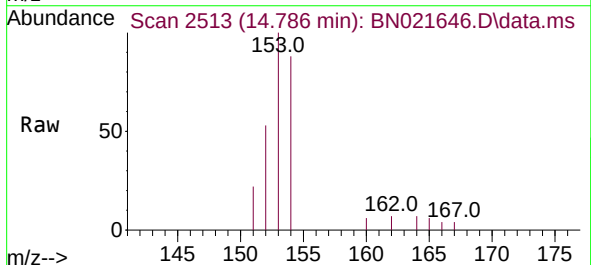
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

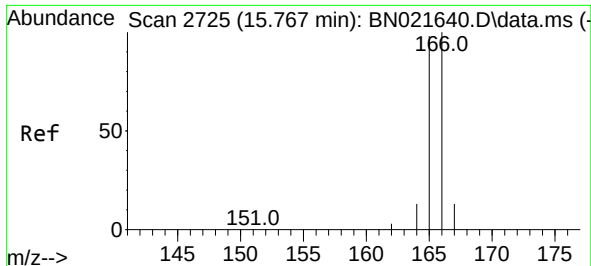
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 2361      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 23.1  | 16.9 25.3 |
| 153         | 15.8  | 11.2 16.8 |



#11  
Acenaphthene  
Concen: 0.069 ng/ul  
RT: 14.786 min Scan# 2513  
Delta R.T. 0.005 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 1958       |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 52.8  | 40.2 60.4  |
| 154         | 88.4  | 70.7 106.1 |

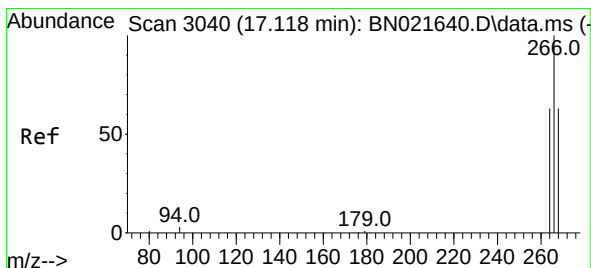
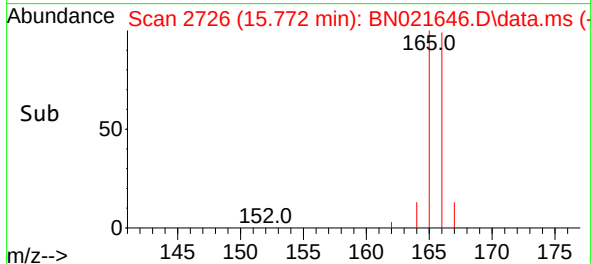
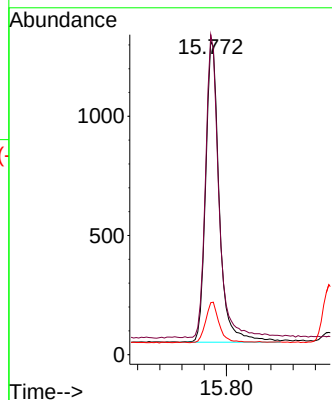
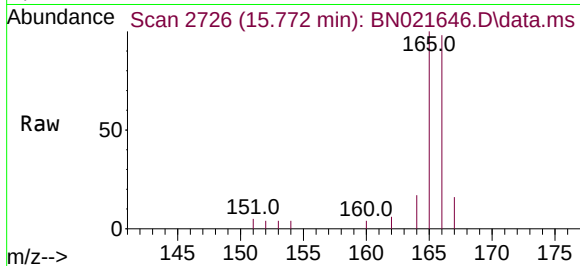




#12  
Fluorene  
Concen: 0.068 ng/ul  
RT: 15.772 min Scan# 2149  
Delta R.T. 0.005 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

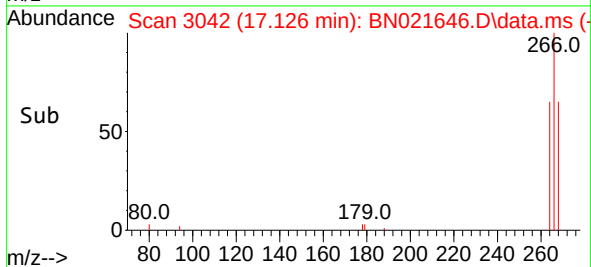
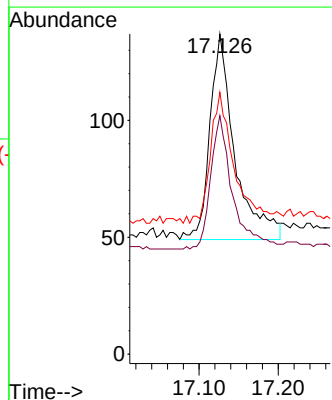
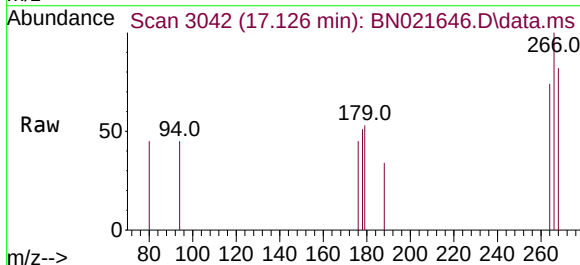
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

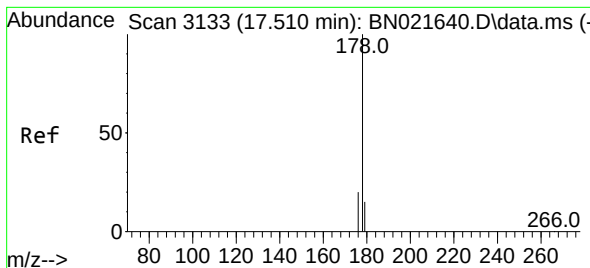
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 2149       |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 102.1 | 78.6 117.8 |
| 167         | 16.6  | 11.8 17.6  |



#14  
Pentachlorophenol  
Concen: 0.063 ng/ul  
RT: 17.126 min Scan# 3042  
Delta R.T. 0.009 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:266 | Resp: | 193       |
| Ion Ratio   | Lower | Upper     |
| 266         | 100   |           |
| 264         | 57.0  | 49.8 74.8 |
| 268         | 62.2  | 50.6 75.8 |





#15

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.515 min Scan# 3133

Delta R.T. 0.004 min

Lab File: BN021646.D

Acq: 08 Sep 2022 16:01

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-QT2-2022-03

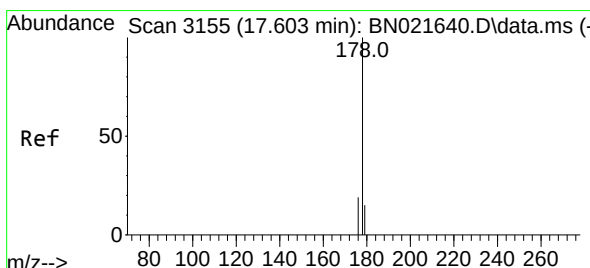
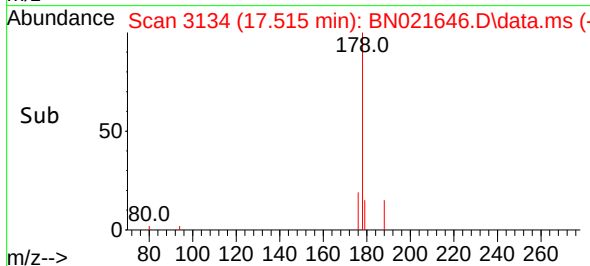
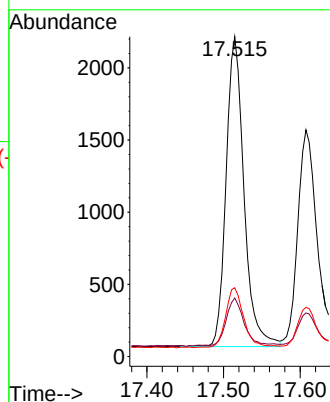
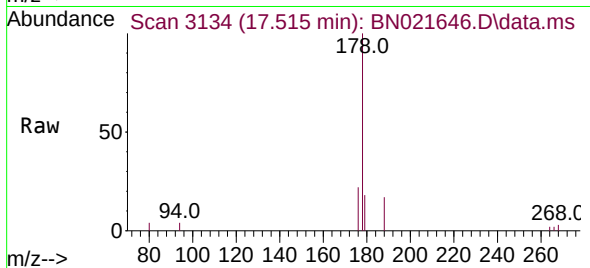
Tgt Ion:178 Resp: 3488

Ion Ratio Lower Upper

178 100

179 18.3 12.8 19.2

176 21.5 15.9 23.9



#16

Anthracene

Concen: 0.065 ng/ul

RT: 17.608 min Scan# 3156

Delta R.T. 0.004 min

Lab File: BN021646.D

Acq: 08 Sep 2022 16:01

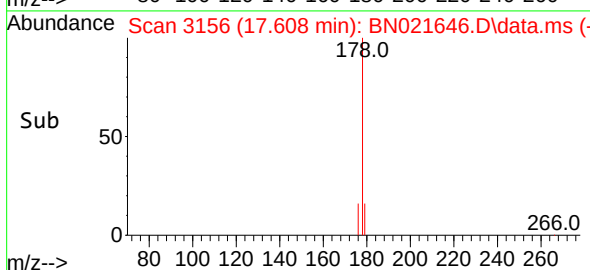
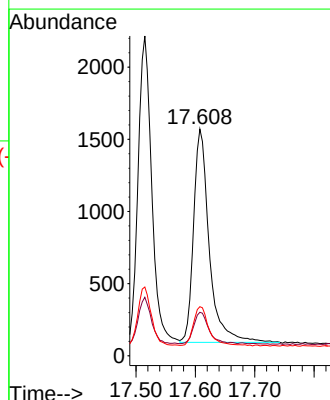
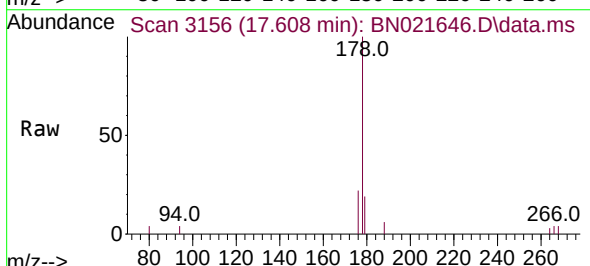
Tgt Ion:178 Resp: 2714

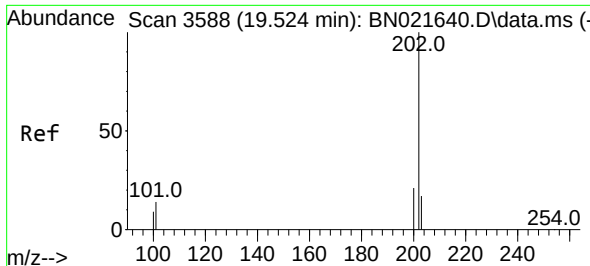
Ion Ratio Lower Upper

178 100

179 19.2 12.9 19.3

176 21.7 15.9 23.9





#19

Fluoranthene

Concen: 0.077 ng/ul

RT: 19.529 min Scan# 3589

Delta R.T. 0.005 min

Lab File: BN021646.D

Acq: 08 Sep 2022 16:01

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-QT2-2022-03

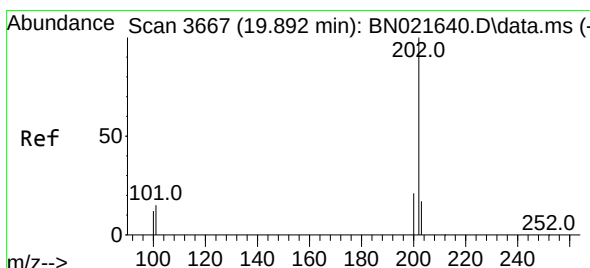
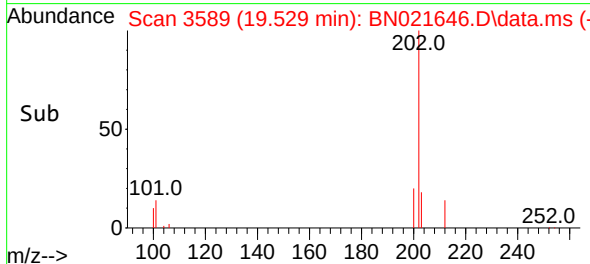
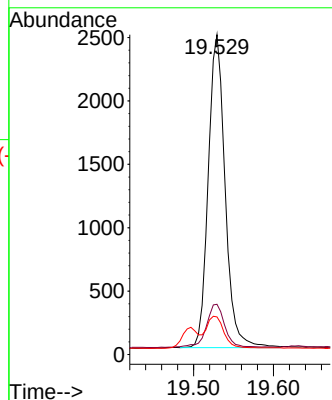
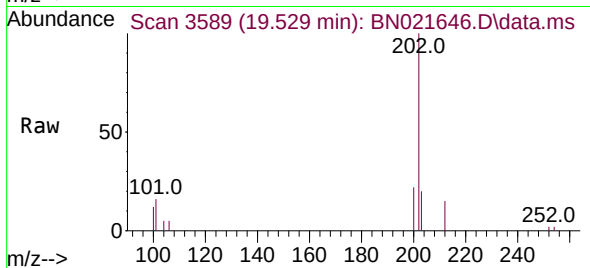
Tgt Ion:202 Resp: 3621

Ion Ratio Lower Upper

202 100

101 15.7 10.0 15.0#

100 11.8 8.0 12.0



#20

Pyrene

Concen: 0.076 ng/ul

RT: 19.892 min Scan# 3667

Delta R.T. 0.000 min

Lab File: BN021646.D

Acq: 08 Sep 2022 16:01

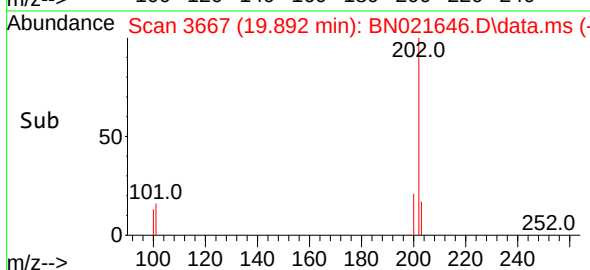
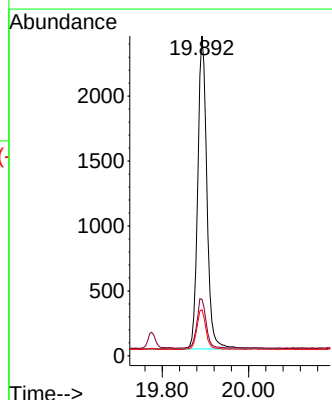
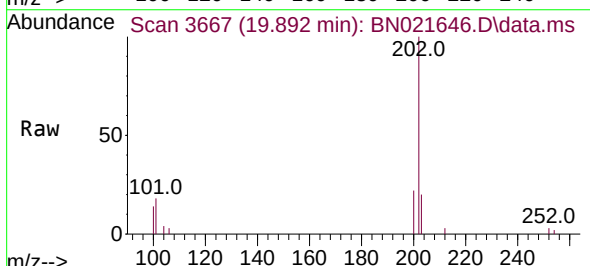
Tgt Ion:202 Resp: 3554

Ion Ratio Lower Upper

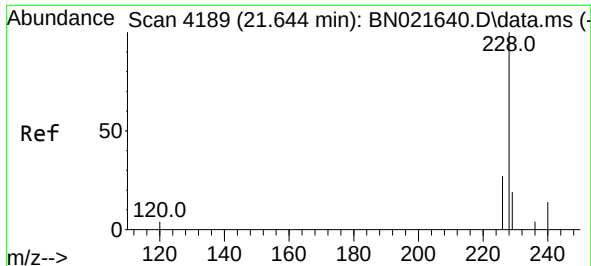
202 100

101 17.7 11.3 16.9#

100 14.4 9.0 13.4#



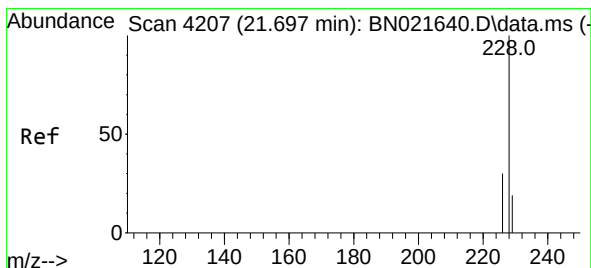
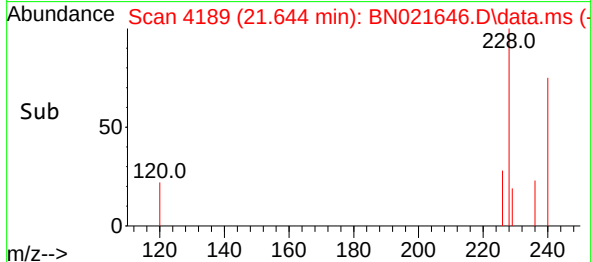
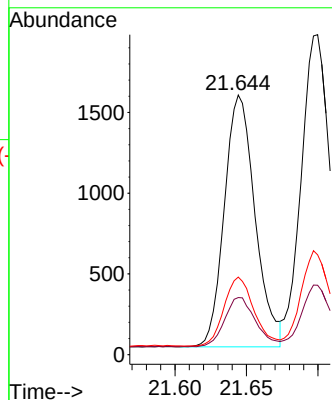
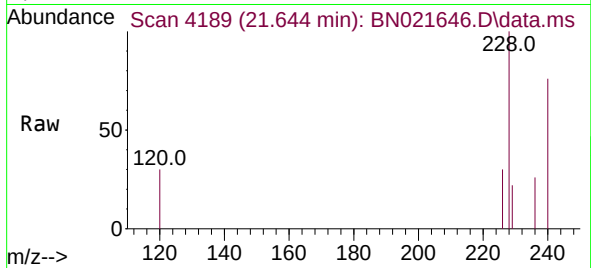




#21  
Benzo(a)anthracene  
Concen: 0.069 ng/ul  
RT: 21.644 min Scan# 4189  
Delta R.T. 0.000 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

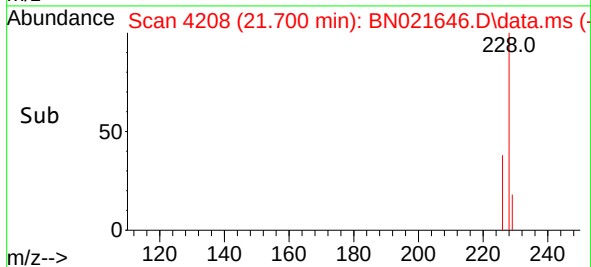
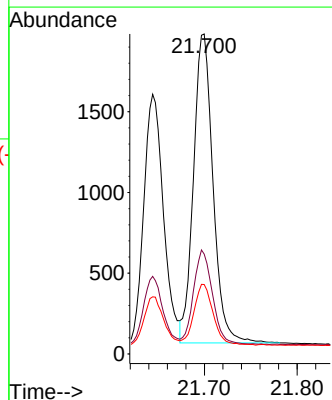
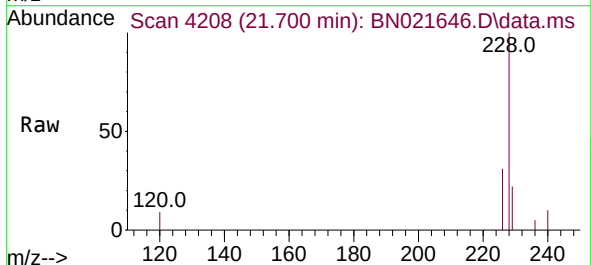
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

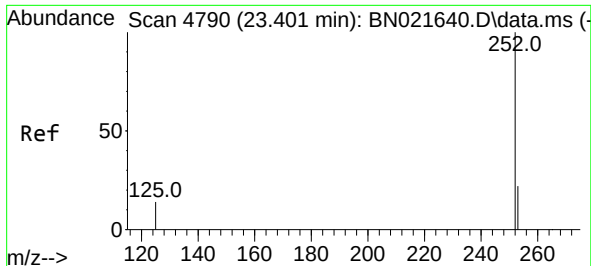
Tgt Ion:228 Resp: 2330  
Ion Ratio Lower Upper  
228 100  
229 22.0 16.0 24.0  
226 29.9 21.9 32.9



#22  
Chrysene  
Concen: 0.076 ng/ul  
RT: 21.700 min Scan# 4208  
Delta R.T. 0.003 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

Tgt Ion:228 Resp: 2798  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 37.0  
229 21.7 15.8 23.8

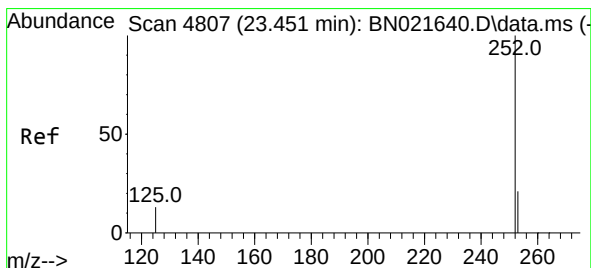
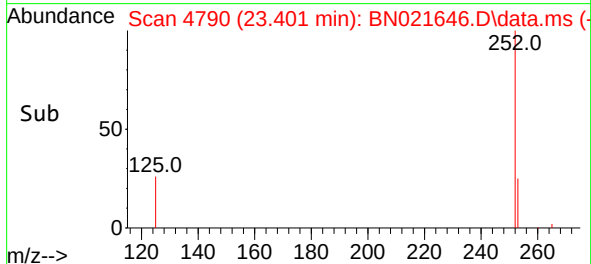
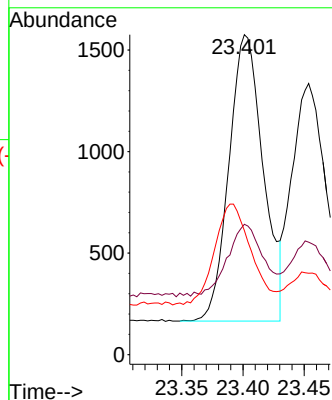
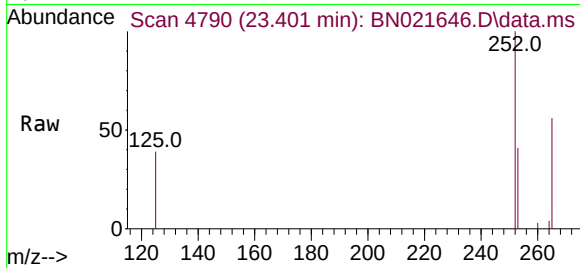




#24  
Benzo(b)fluoranthene  
Concen: 0.078 ng/ul  
RT: 23.401 min Scan# 4790  
Delta R.T. 0.000 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

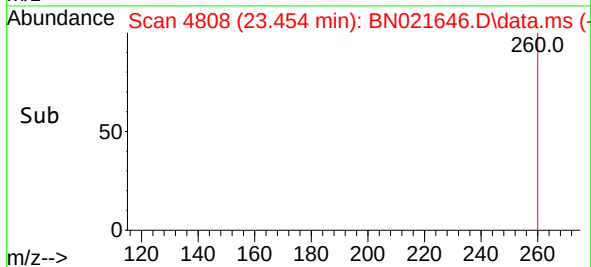
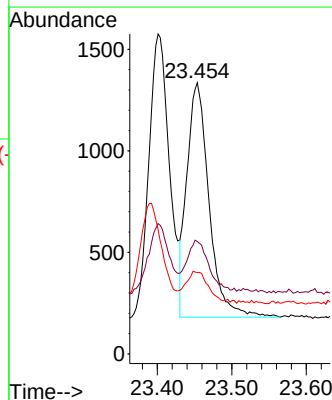
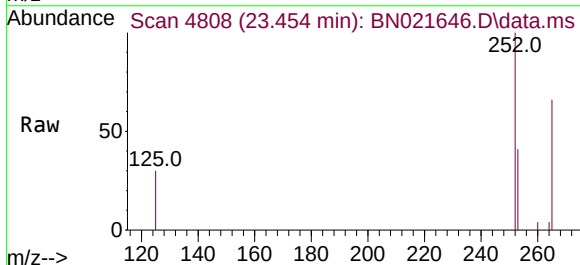
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

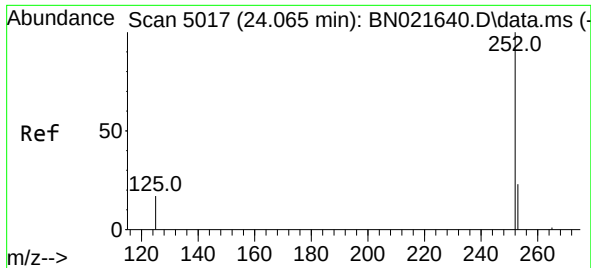
Tgt Ion:252 Resp: 2750  
Ion Ratio Lower Upper  
252 100  
253 40.7 0.0 50.8  
125 38.8 0.0 30.0#



#25  
Benzo(k)fluoranthene  
Concen: 0.070 ng/ul  
RT: 23.454 min Scan# 4808  
Delta R.T. 0.003 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

Tgt Ion:252 Resp: 2385  
Ion Ratio Lower Upper  
252 100  
253 41.5 20.6 31.0#  
125 30.0 11.8 17.6#

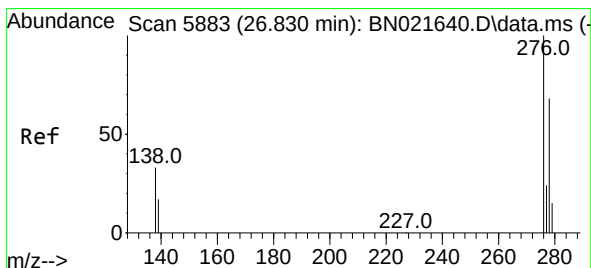
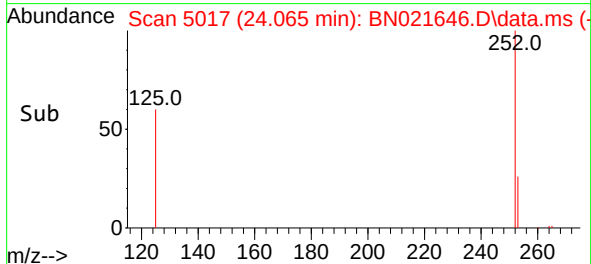
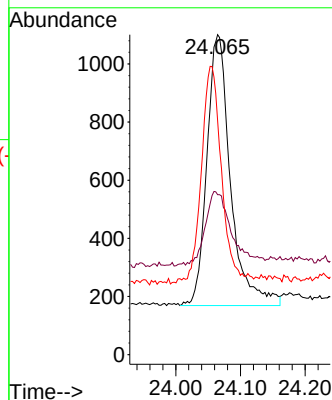
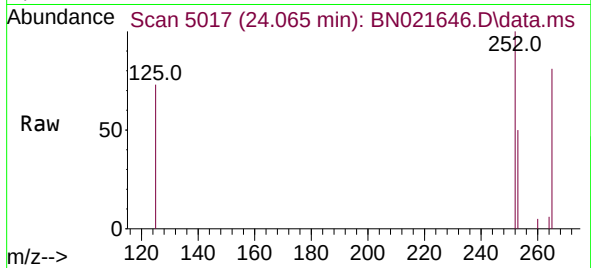




#26  
Benzo(a)pyrene  
Concen: 0.089 ng/ul  
RT: 24.065 min Scan# 5017  
Delta R.T. 0.000 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

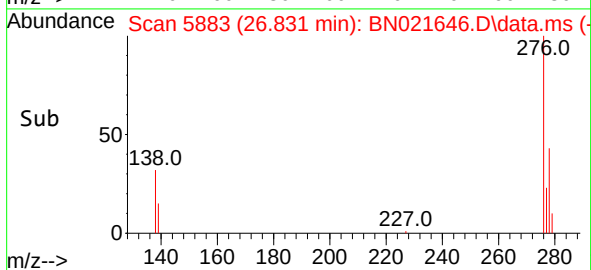
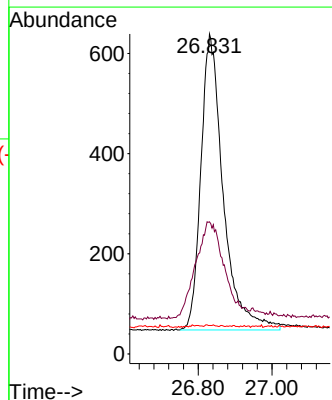
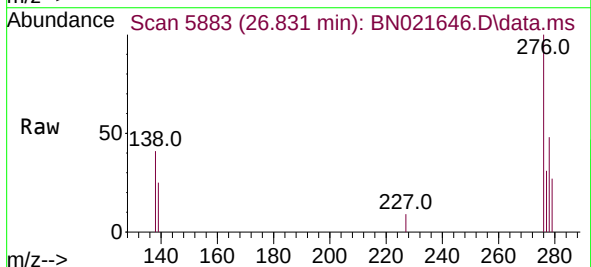
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-WATER-QT2-2022-03

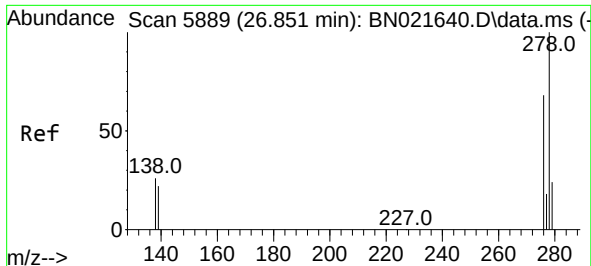
Tgt Ion:252 Resp: 2365  
Ion Ratio Lower Upper  
252 100  
253 50.0 22.1 33.1#  
125 73.0 14.7 22.1#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.082 ng/ul  
RT: 26.831 min Scan# 5883  
Delta R.T. 0.000 min  
Lab File: BN021646.D  
Acq: 08 Sep 2022 16:01

Tgt Ion:276 Resp: 2474  
Ion Ratio Lower Upper  
276 100  
138 42.2 26.1 39.1#  
227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.075 ng/ul

RT: 26.854 min Scan# 5889

Delta R.T. 0.004 min

Lab File: BN021646.D

Acq: 08 Sep 2022 16:01

Instrument :

BNA\_N

ClientSampleId :

MDL-WATER-QT2-2022-03

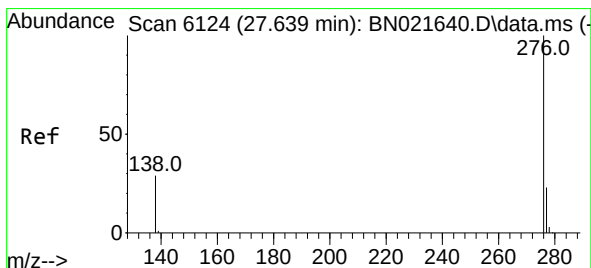
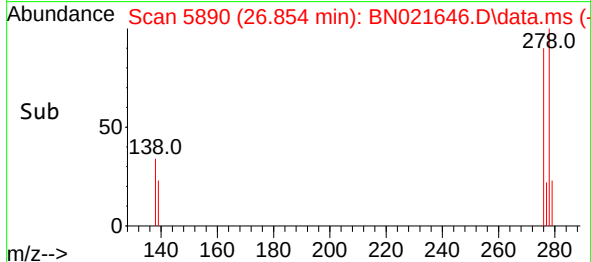
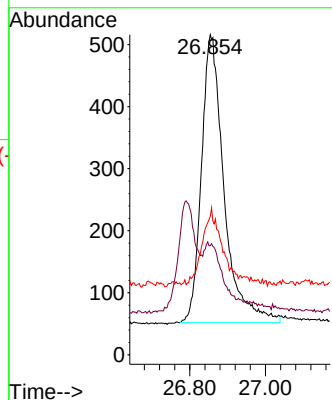
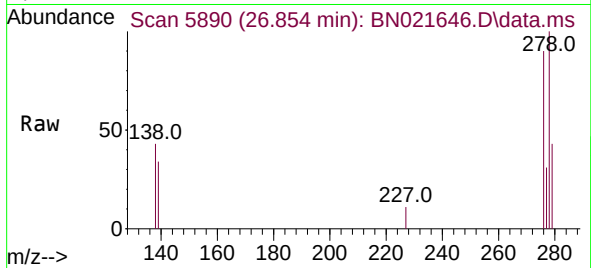
Tgt Ion:278 Resp: 1924

Ion Ratio Lower Upper

278 100

139 34.1 18.3 27.5#

279 43.2 23.9 35.9#



#29

Benzo(g,h,i)perylene

Concen: 0.073 ng/ul

RT: 27.649 min Scan# 6127

Delta R.T. 0.010 min

Lab File: BN021646.D

Acq: 08 Sep 2022 16:01

Tgt Ion:276 Resp: 2021

Ion Ratio Lower Upper

276 100

138 41.7 22.6 34.0#

277 31.8 20.2 30.2#

