

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025807.D  
 Acq On : 13 Jun 2023 15:32  
 Operator : MA/JU  
 Sample : 02950-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jun 13 23:17:14 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 10 02:01:49 2023  
 Response via : Initial Calibration

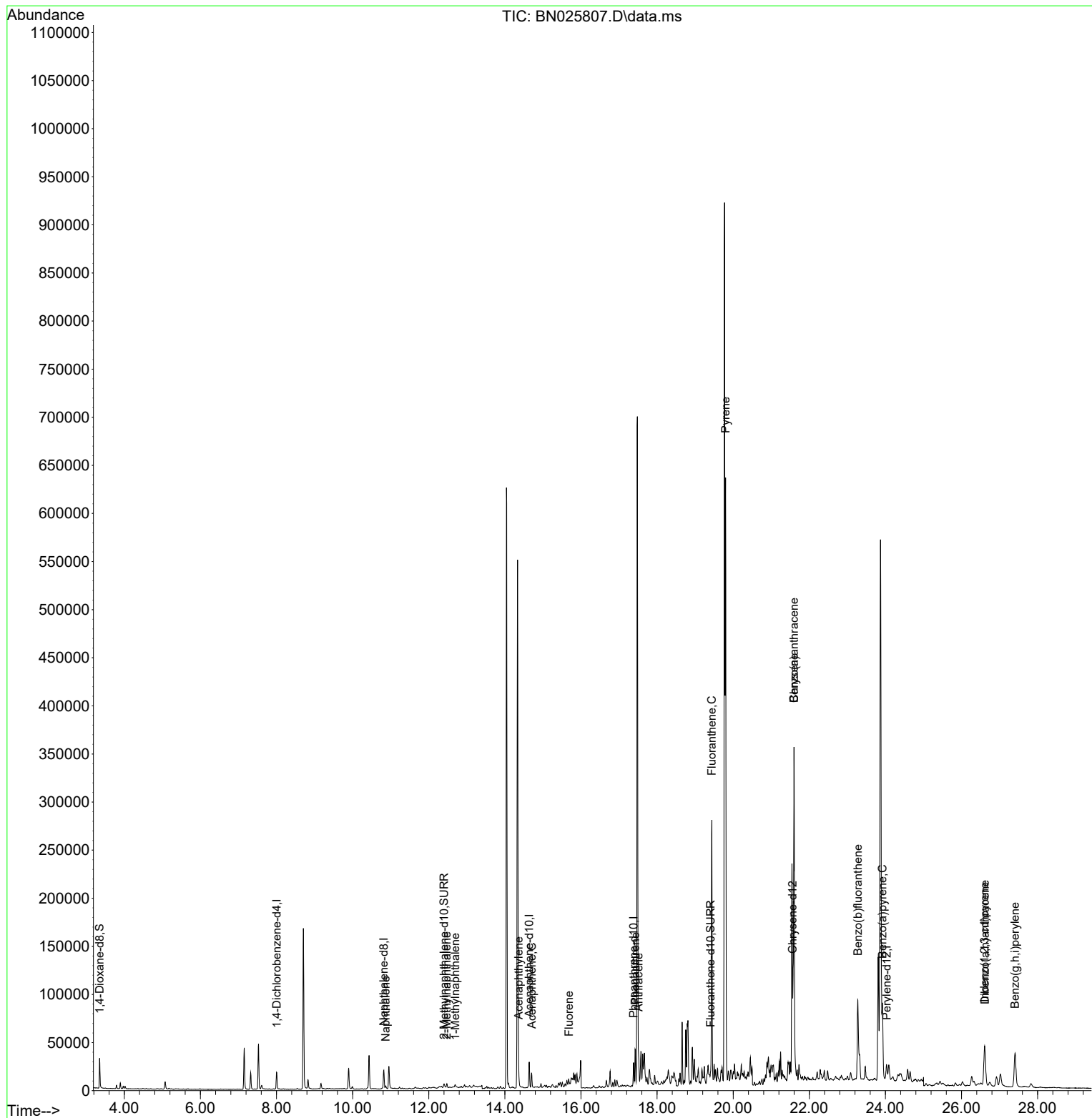
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.005  | 152  | 9405     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.820 | 136  | 26247    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.640 | 164  | 13905    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.385 | 188  | 25716    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.561 | 240  | 19098    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.031 | 264  | 20626    | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.352  | 96   | 19374    | 2.095 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.403 | 152  | 5472     | 0.164 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.405 | 212  | 11434    | 0.190 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.869 | 128  | 4319     | 0.065 | ng/ul# | 91       |
| 7) 2-Methylnaphthalene      | 12.475 | 142  | 2763     | 0.069 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.695 | 142  | 1885     | 0.043 | ng/ul  | 86       |
| 10) Acenaphthylene          | 14.362 | 152  | 18379    | 0.334 | ng/ul# | 90       |
| 11) Acenaphthene            | 14.704 | 153  | 9067     | 0.198 | ng/ul  | 99       |
| 12) Fluorene                | 15.685 | 166  | 3968     | 0.078 | ng/ul# | 67       |
| 15) Phenanthrene            | 17.423 | 178  | 38013    | 0.507 | ng/ul# | 92       |
| 16) Anthracene              | 17.516 | 178  | 22822    | 0.360 | ng/ul# | 92       |
| 19) Fluoranthene            | 19.438 | 202  | 228384   | 2.614 | ng/ul  | 98       |
| 20) Pyrene                  | 19.800 | 202  | 515072   | 5.696 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.599 | 228  | 374308   | 6.146 | ng/ul  | 93       |
| 22) Chrysene                | 21.599 | 228  | 374308   | 5.375 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.274 | 252  | 174912   | 2.073 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.920 | 252  | 118052   | 1.651 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.604 | 276  | 62663    | 0.769 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.615 | 278  | 28359    | 0.459 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 27.406 | 276  | 80845    | 1.105 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

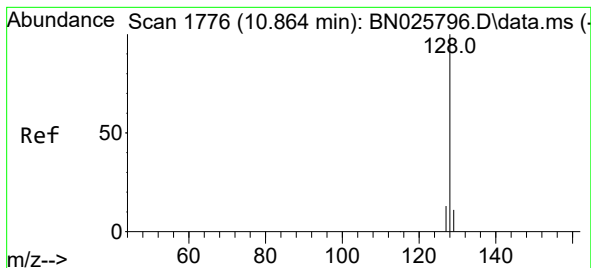
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
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Quant Time: Jun 13 23:17:14 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 10 02:01:49 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.065 ng/ul

RT: 10.869 min Scan# 1777

Delta R.T. -0.006 min

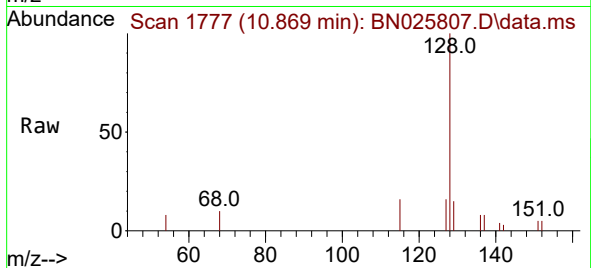
Lab File: BN025807.D

Acq: 13 Jun 2023 15:32

Instrument :

BNA\_N

ClientSampleId :



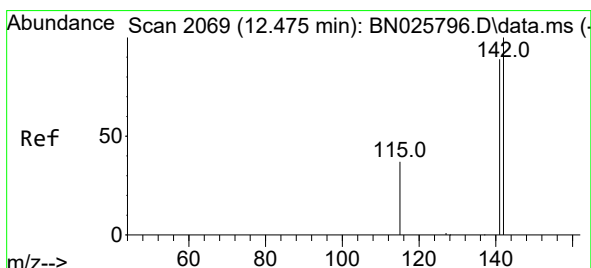
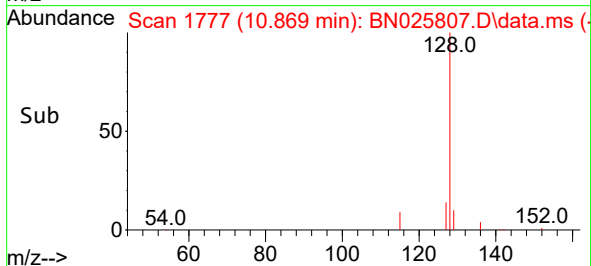
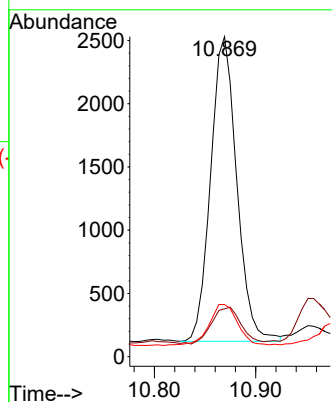
Tgt Ion:128 Resp: 4319

Ion Ratio Lower Upper

128 100

129 14.9 9.1 13.7#

127 16.3 10.5 15.7#



#7

2-Methylnaphthalene

Concen: 0.069 ng/ul

RT: 12.475 min Scan# 2069

Delta R.T. -0.005 min

Lab File: BN025807.D

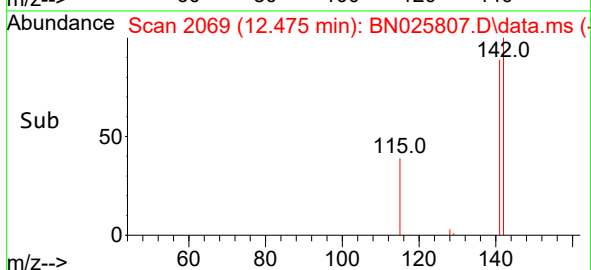
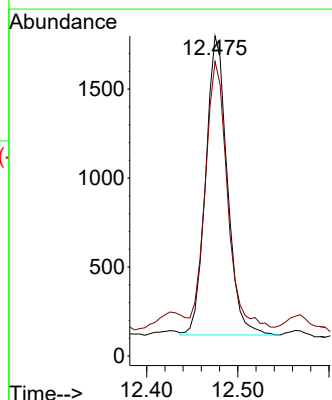
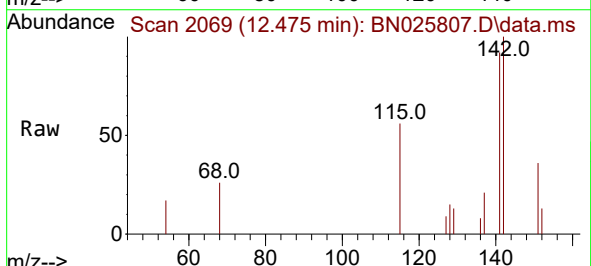
Acq: 13 Jun 2023 15:32

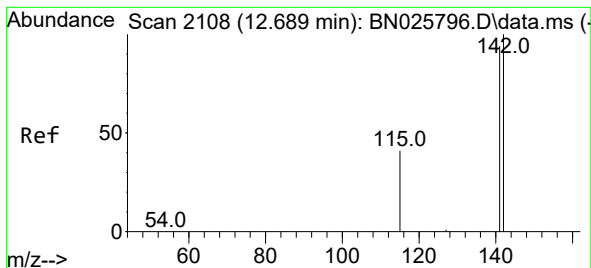
Tgt Ion:142 Resp: 2763

Ion Ratio Lower Upper

142 100

141 90.3 71.4 107.2





#8

1-Methylnaphthalene

Concen: 0.043 ng/ul

RT: 12.695 min Scan# 2109

Delta R.T. -0.005 min

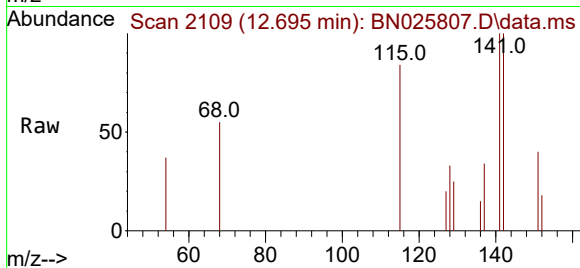
Lab File: BN025807.D

Acq: 13 Jun 2023 15:32

Instrument :

BNA\_N

ClientSampleId :

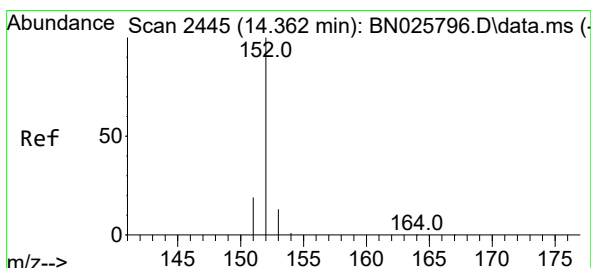
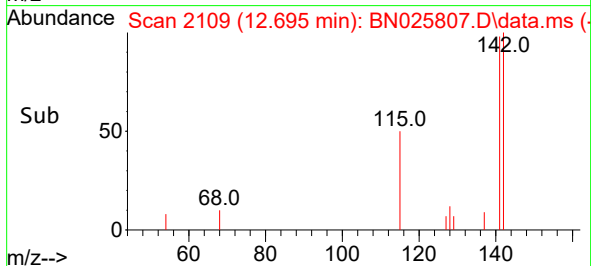
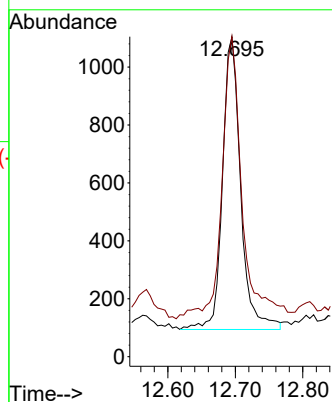


Tgt Ion:142 Resp: 1885

Ion Ratio Lower Upper

142 100

141 105.8 74.0 111.0



#10

Acenaphthylene

Concen: 0.334 ng/ul

RT: 14.362 min Scan# 2445

Delta R.T. -0.004 min

Lab File: BN025807.D

Acq: 13 Jun 2023 15:32

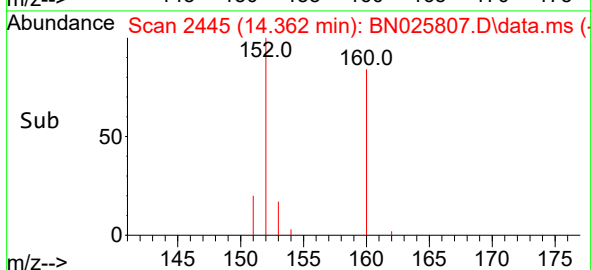
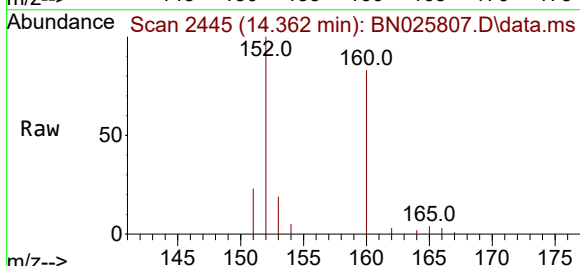
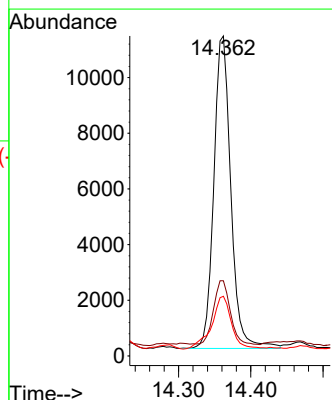
Tgt Ion:152 Resp: 18379

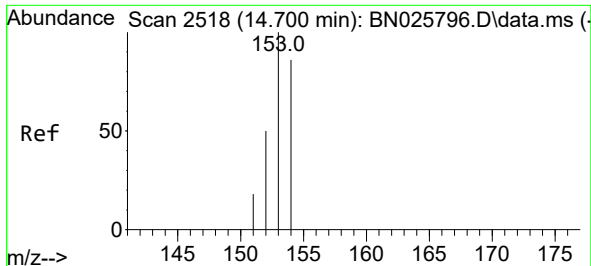
Ion Ratio Lower Upper

152 100

151 23.5 16.0 24.0

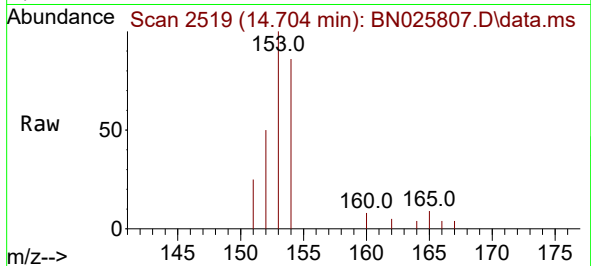
153 18.7 10.7 16.1#



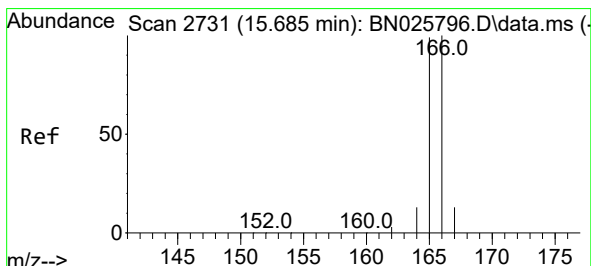
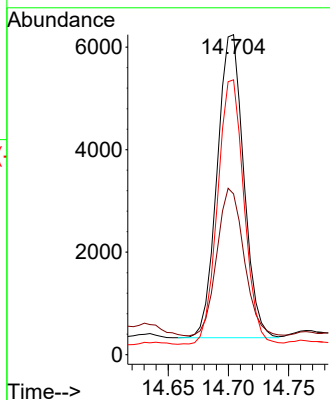
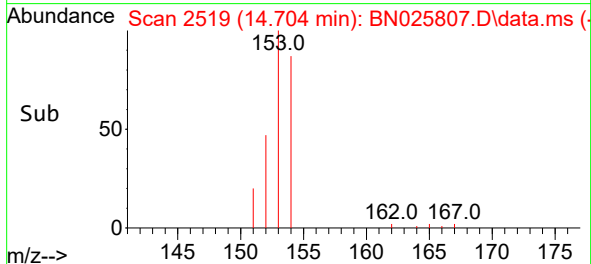


#11  
Acenaphthene  
Concen: 0.198 ng/ul  
RT: 14.704 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

Instrument :  
BNA\_N  
ClientSampleId :

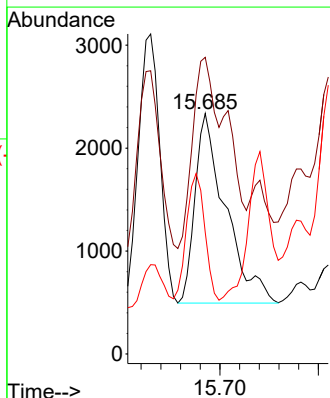
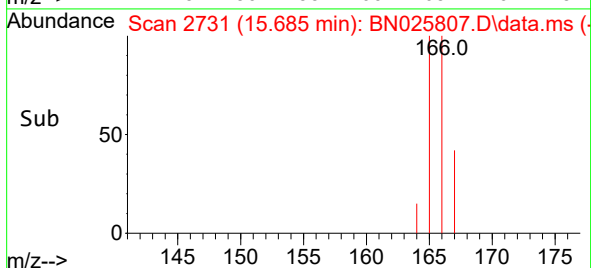
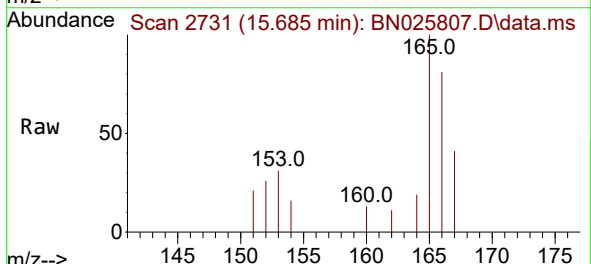


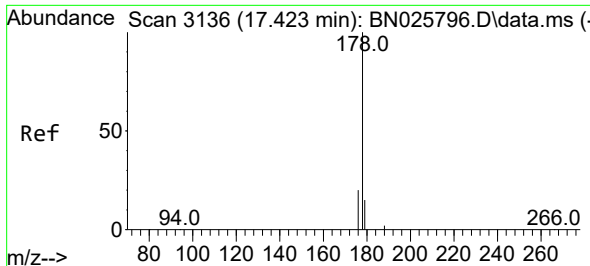
Tgt Ion:153 Resp: 9067  
Ion Ratio Lower Upper  
153 100  
152 50.2 39.5 59.3  
154 85.9 68.8 103.2



#12  
Fluorene  
Concen: 0.078 ng/ul  
RT: 15.685 min Scan# 2731  
Delta R.T. -0.005 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

Tgt Ion:166 Resp: 3968  
Ion Ratio Lower Upper  
166 100  
165 123.4 79.2 118.8#  
167 50.6 11.0 16.6#

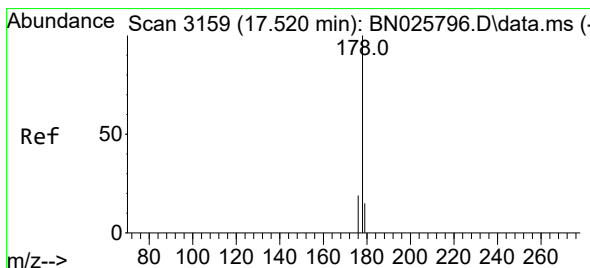
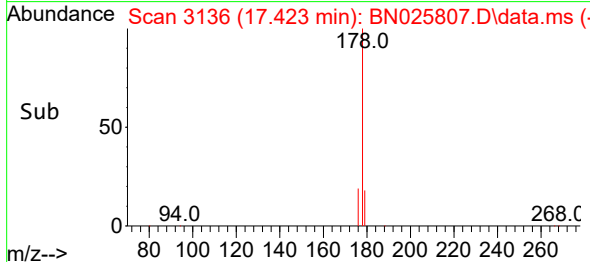
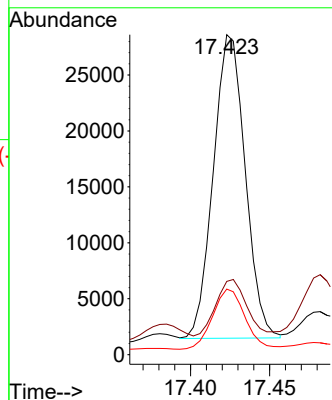
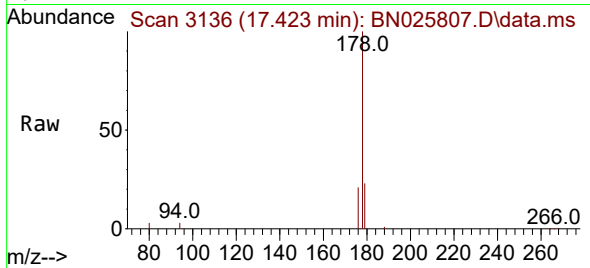




#15  
Phenanthrene  
Concen: 0.507 ng/ul  
RT: 17.423 min Scan# 3136  
Delta R.T. -0.008 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

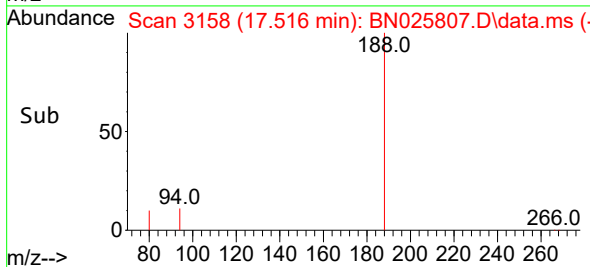
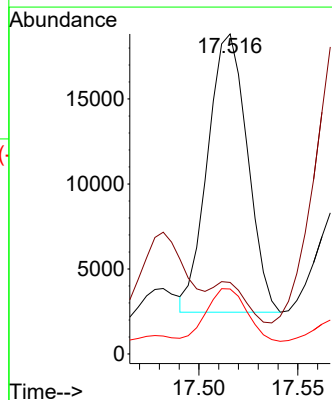
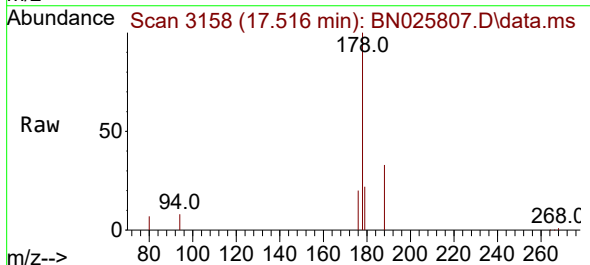
Instrument :  
BNA\_N  
ClientSampleId :

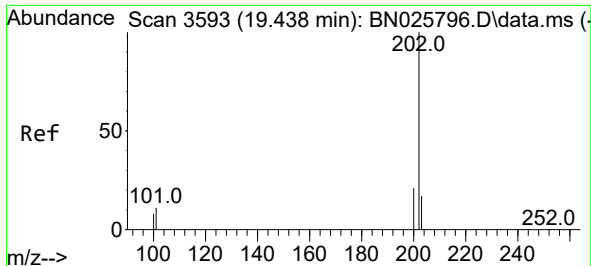
Tgt Ion:178 Resp: 38013  
Ion Ratio Lower Upper  
178 100  
179 22.9 12.6 18.8#  
176 20.5 15.8 23.8



#16  
Anthracene  
Concen: 0.360 ng/ul  
RT: 17.516 min Scan# 3158  
Delta R.T. -0.008 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

Tgt Ion:178 Resp: 22822  
Ion Ratio Lower Upper  
178 100  
179 22.4 12.6 19.0#  
176 20.3 15.4 23.2

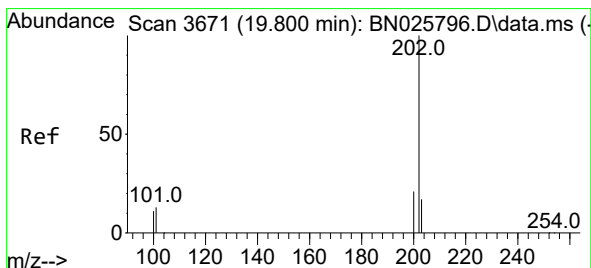
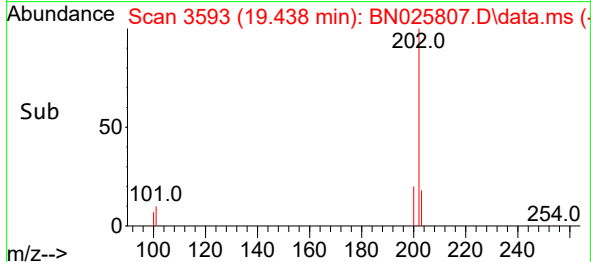
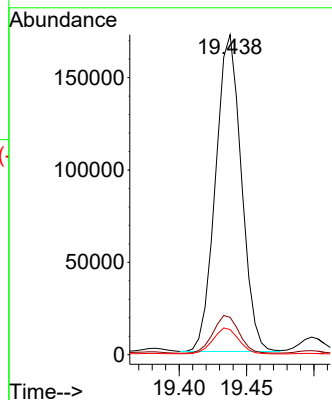
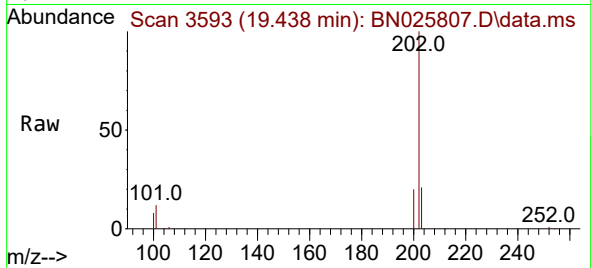




#19  
Fluoranthene  
Concen: 2.614 ng/ul  
RT: 19.438 min Scan# 3593  
Delta R.T. -0.004 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

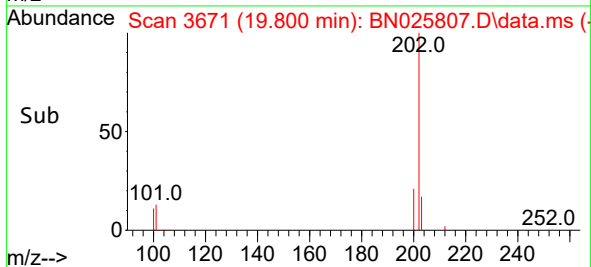
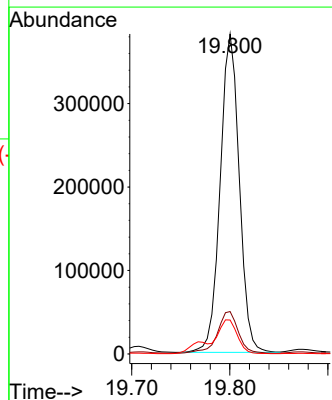
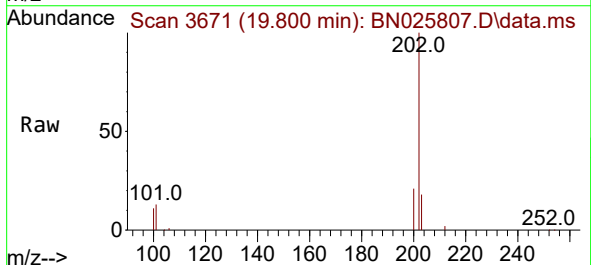
Instrument :  
BNA\_N  
ClientSampleId :

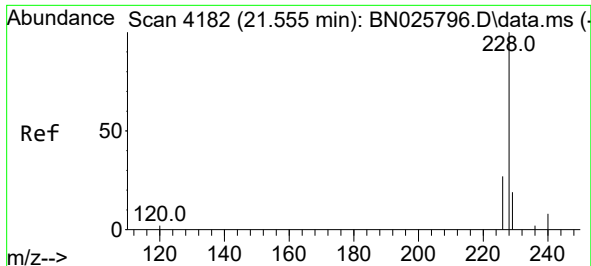
Tgt Ion:202 Resp: 228384  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.1 13.7  
100 7.9 7.0 10.6



#20  
Pyrene  
Concen: 5.696 ng/ul  
RT: 19.800 min Scan# 3671  
Delta R.T. -0.005 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

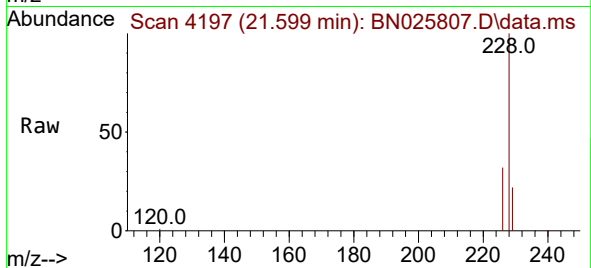
Tgt Ion:202 Resp: 515072  
Ion Ratio Lower Upper  
202 100  
101 13.3 10.4 15.6  
100 10.6 8.8 13.2



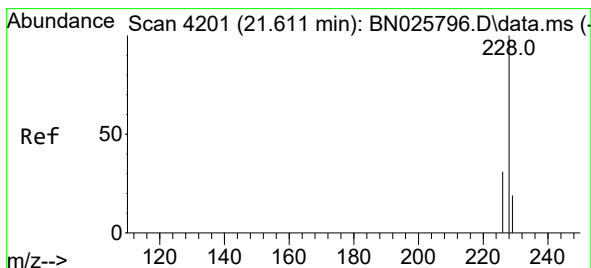
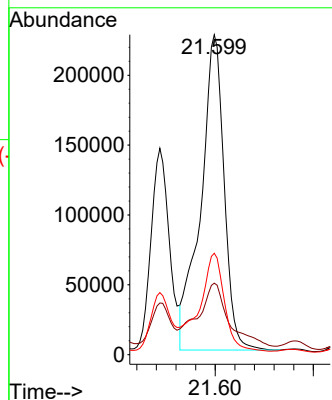
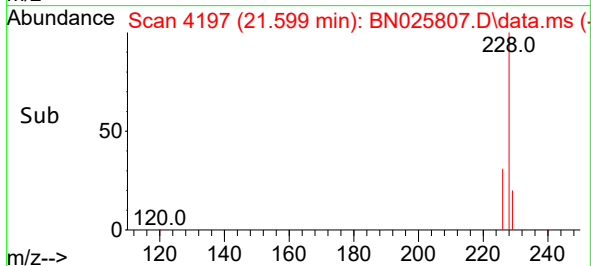


#21  
Benzo(a)anthracene  
Concen: 6.146 ng/ul  
RT: 21.599 min Scan# 4197  
Delta R.T. 0.047 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

Instrument :  
BNA\_N  
ClientSampleId :

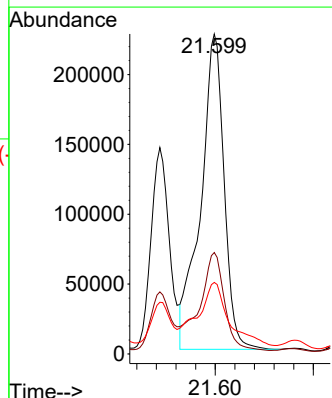
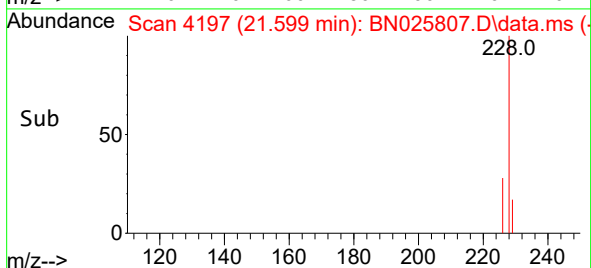
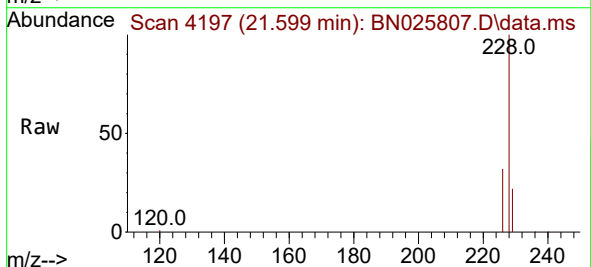


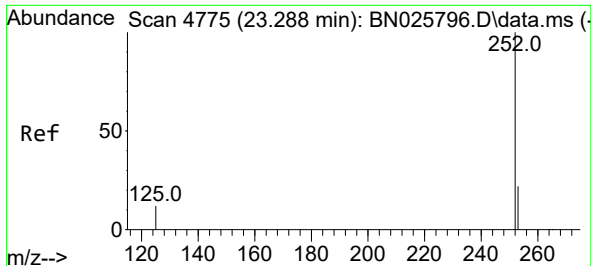
Tgt Ion:228 Resp: 374308  
Ion Ratio Lower Upper  
228 100  
229 22.4 15.5 23.3  
226 31.7 22.0 33.0



#22  
Chrysene  
Concen: 5.375 ng/ul  
RT: 21.599 min Scan# 4197  
Delta R.T. -0.009 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

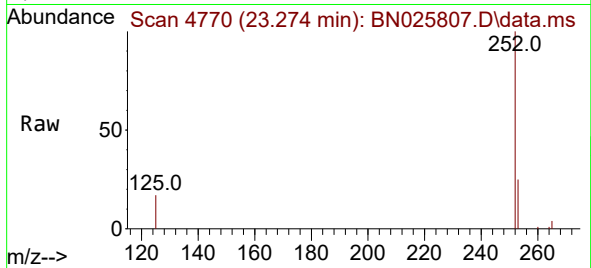
Tgt Ion:228 Resp: 374308  
Ion Ratio Lower Upper  
228 100  
226 31.7 24.7 37.1  
229 22.4 15.7 23.5



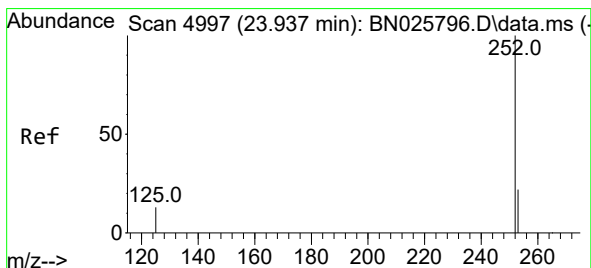
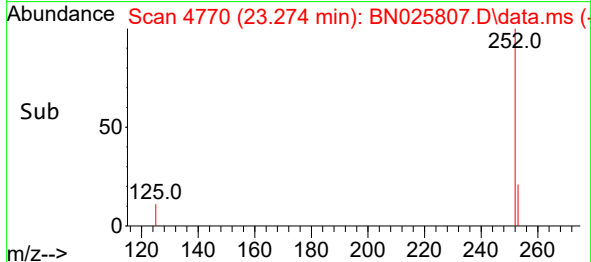
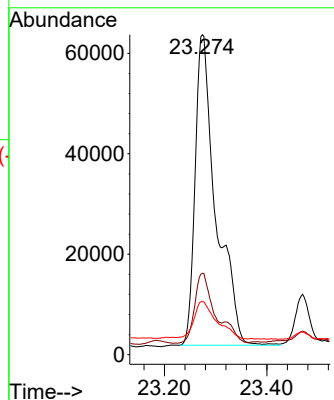


#24  
Benzo(b)fluoranthene  
Concen: 2.073 ng/ul  
RT: 23.274 min Scan# 41  
Delta R.T. -0.017 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

Instrument :  
BNA\_N  
ClientSampleId :

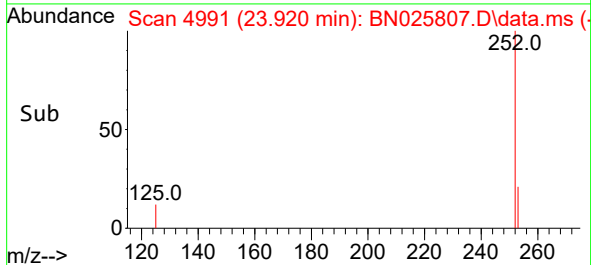
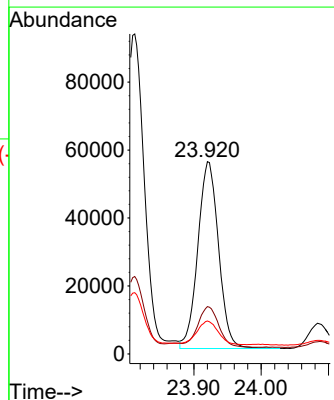
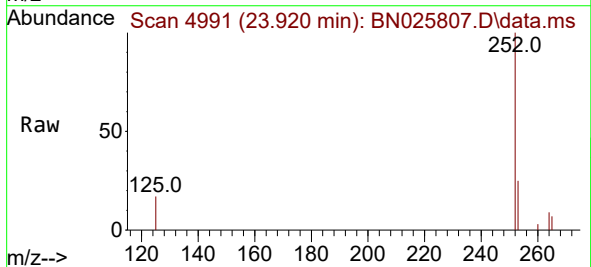


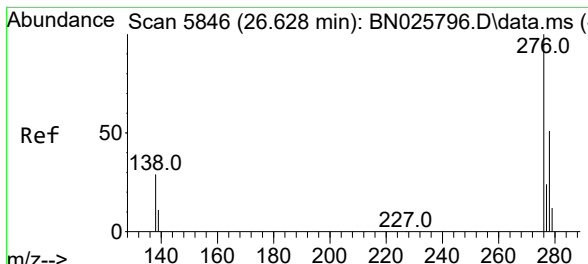
Tgt Ion:252 Resp: 174912  
Ion Ratio Lower Upper  
252 100  
253 25.4 0.0 56.0  
125 16.6 0.0 28.0



#26  
Benzo(a)pyrene  
Concen: 1.651 ng/ul  
RT: 23.920 min Scan# 4991  
Delta R.T. -0.023 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

Tgt Ion:252 Resp: 118052  
Ion Ratio Lower Upper  
252 100  
253 24.6 25.8 38.8#  
125 17.2 13.5 20.3

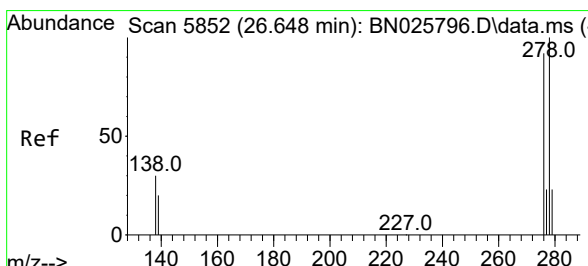
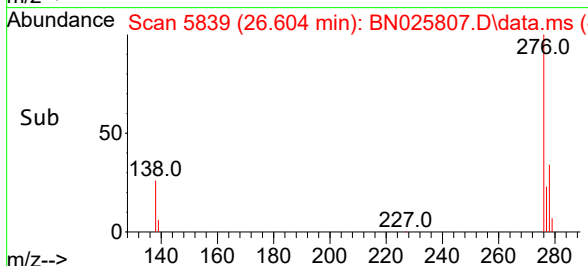
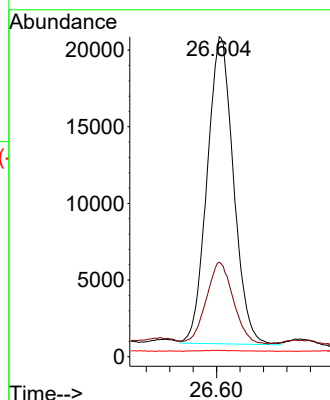
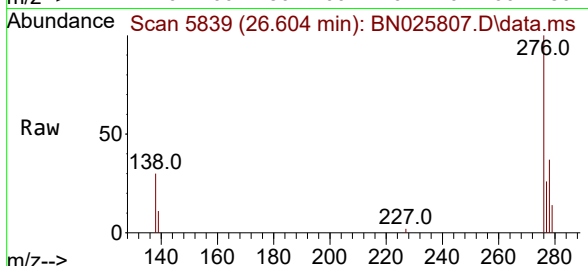




#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.769 ng/ul  
RT: 26.604 min Scan# 5839  
Delta R.T. -0.054 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

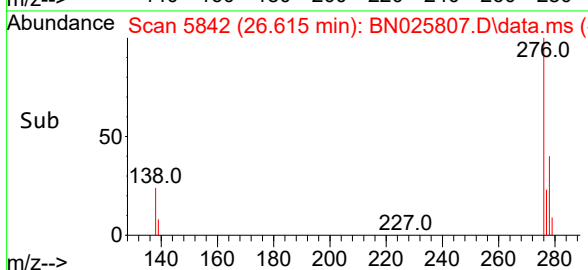
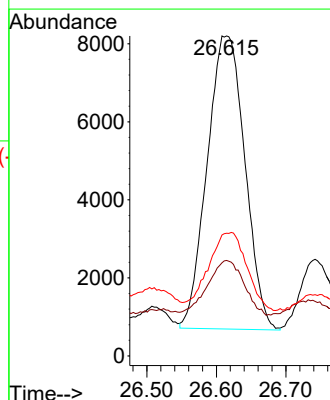
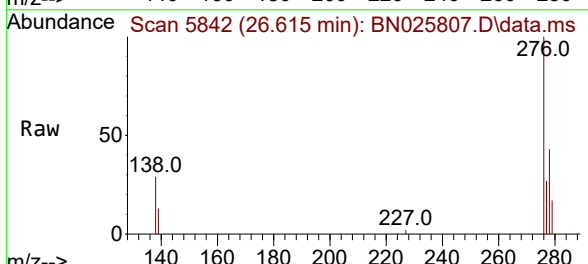
Instrument :  
BNA\_N  
ClientSampleId :

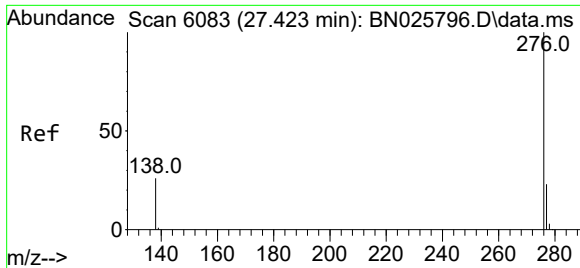
Tgt Ion:276 Resp: 62663  
Ion Ratio Lower Upper  
276 100  
138 27.4 24.6 36.8  
227 0.4 0.0 0.0#



#28  
Dibenzo(a,h)anthracene  
Concen: 0.459 ng/ul  
RT: 26.615 min Scan# 5842  
Delta R.T. -0.070 min  
Lab File: BN025807.D  
Acq: 13 Jun 2023 15:32

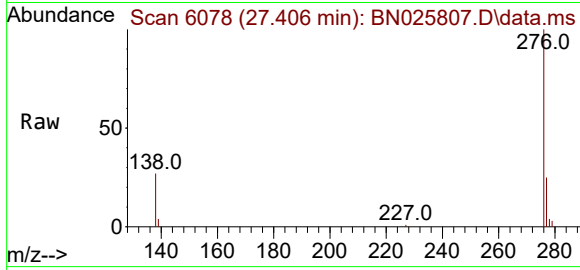
Tgt Ion:278 Resp: 28359  
Ion Ratio Lower Upper  
278 100  
139 29.8 17.9 26.9#  
279 38.3 25.3 37.9#





#29  
 Benzo(g,h,i)perylene  
 Concen: 1.105 ng/ul  
 RT: 27.406 min Scan# 6083  
 Delta R.T. -0.043 min  
 Lab File: BN025807.D  
 Acq: 13 Jun 2023 15:32

Instrument :  
 BNA\_N  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 80845 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 27.2  | 21.8  | 32.8  |
| 277       | 25.1  | 19.4  | 29.2  |

