

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042723\  
 Data File : BN025174.D  
 Acq On : 27 Apr 2023 13:00  
 Operator : CG/JU  
 Sample : 02418-19  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW8Z5

Quant Time: Apr 28 01:20:25 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 27 15:27:43 2023  
 Response via : Initial Calibration

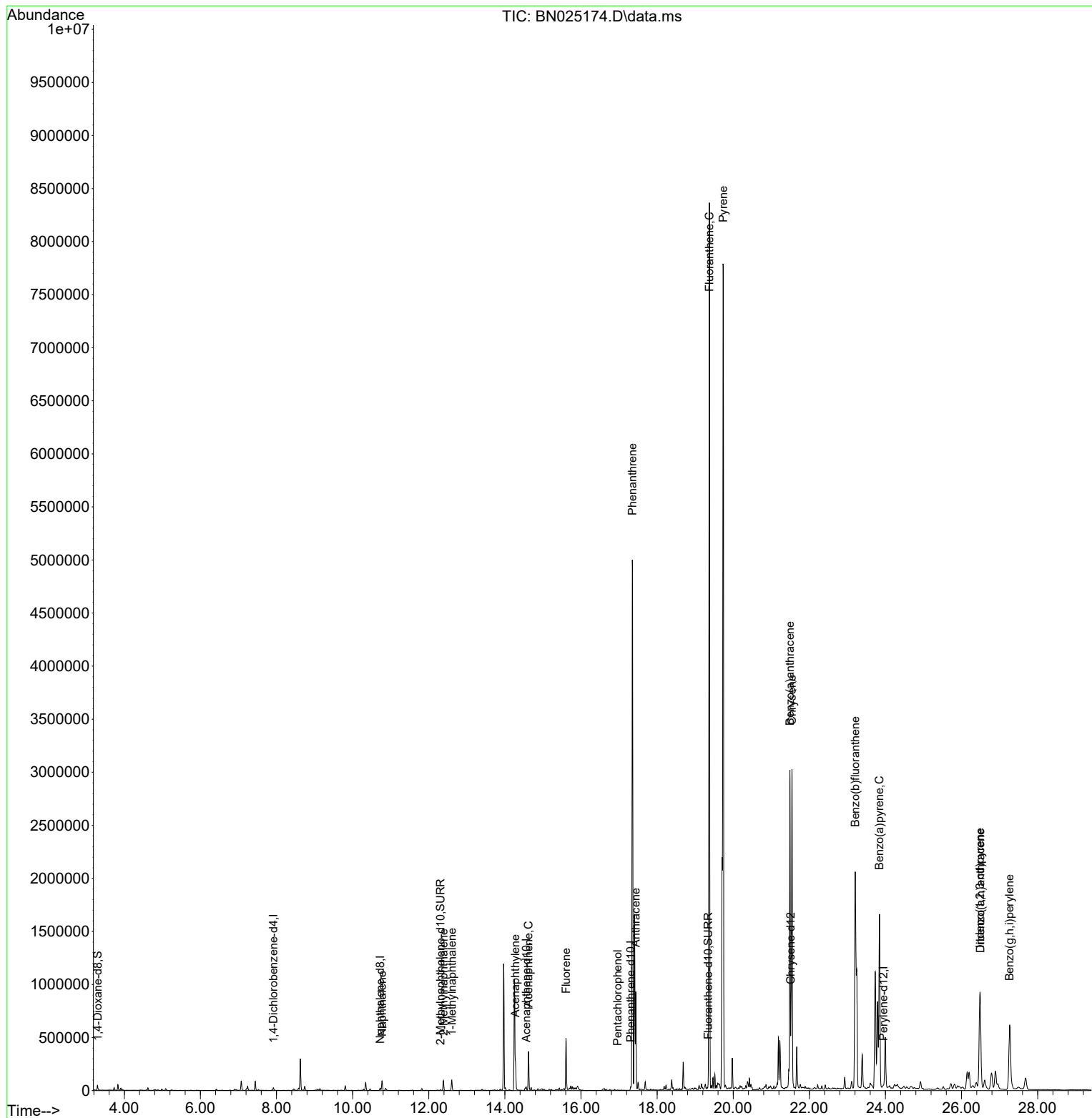
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.917  | 152  | 8808     | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.725 | 136  | 29150    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.560 | 164  | 18846    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.308 | 188  | 39430    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.507 | 240  | 27818    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.945 | 264  | 28082    | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.297  | 96   | 26784    | 2.937  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.309 | 152  | 8983     | 0.240  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.339 | 212  | 21835    | 0.298  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.774 | 128  | 124419   | 1.666  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.386 | 142  | 64250    | 1.404  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.606 | 142  | 66826    | 1.370  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.278 | 152  | 298649   | 4.254  | ng/ul  | 100      |
| 11) Acenaphthene            | 14.621 | 153  | 202812   | 3.427  | ng/ul  | 99       |
| 12) Fluorene                | 15.606 | 166  | 298321   | 4.509  | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.962 | 266  | 905      | 0.117  | ng/ul  | 98       |
| 15) Phenanthrene            | 17.351 | 178  | 5459548  | 49.054 | ng/ul  | 99       |
| 16) Anthracene              | 17.439 | 178  | 945972   | 10.390 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.372 | 202  | 7236433  | 71.936 | ng/ul  | 95       |
| 20) Pyrene                  | 19.739 | 202  | 6630871  | 64.156 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.490 | 228  | 2684176  | 32.021 | ng/ul  | 97       |
| 22) Chrysene                | 21.543 | 228  | 2963915  | 32.413 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.206 | 252  | 4641907  | 40.743 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.843 | 252  | 2266419  | 24.043 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.483 | 276  | 1564488  | 14.405 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 26.493 | 278  | 372160   | 4.387  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.261 | 276  | 1327497  | 14.374 | ng/ul  | 99       |

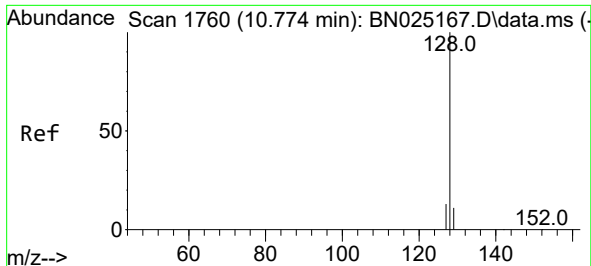
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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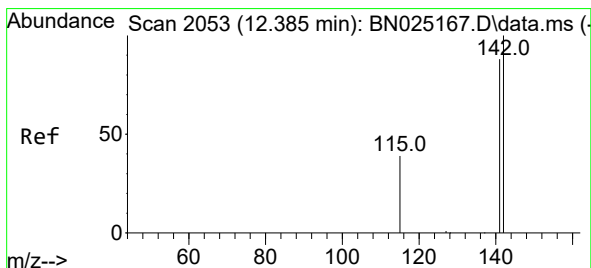
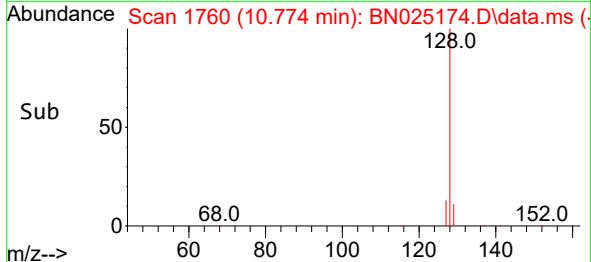
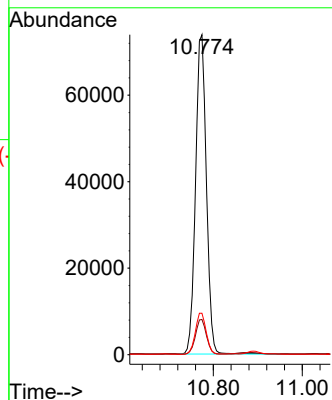
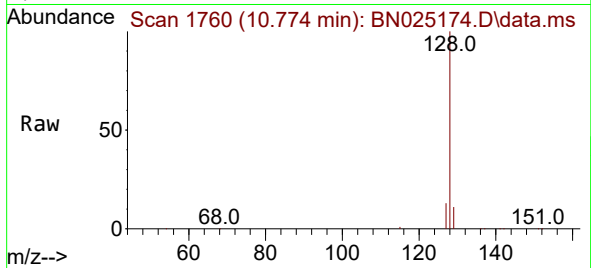




#5  
Naphthalene  
Concen: 1.666 ng/ul  
RT: 10.774 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: BN025174.D  
Acq: 27 Apr 2023 13:00

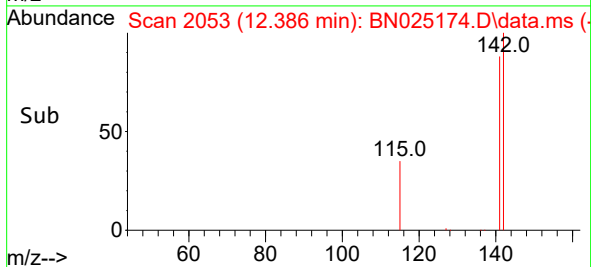
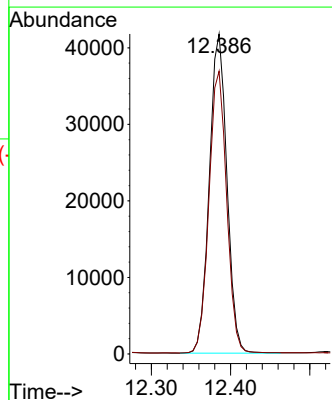
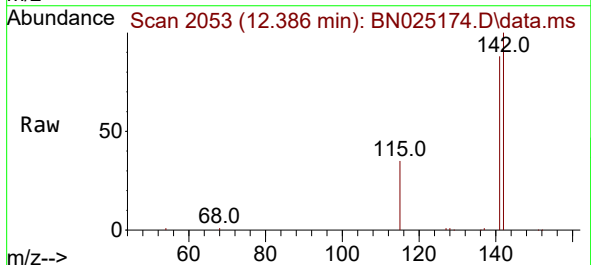
Instrument :  
BNA\_N  
ClientSampleId :  
EW8Z5

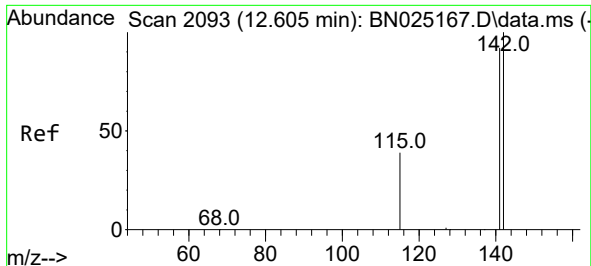
Tgt Ion:128 Resp: 124419  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.0 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 1.404 ng/ul  
RT: 12.386 min Scan# 2053  
Delta R.T. 0.000 min  
Lab File: BN025174.D  
Acq: 27 Apr 2023 13:00

Tgt Ion:142 Resp: 64250  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.4 107.0

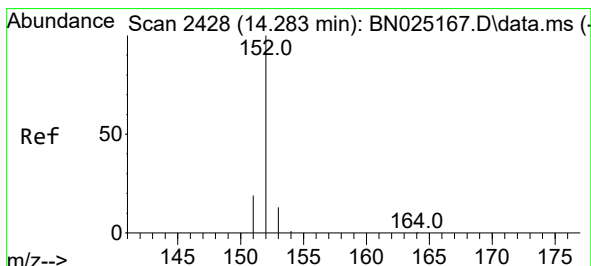
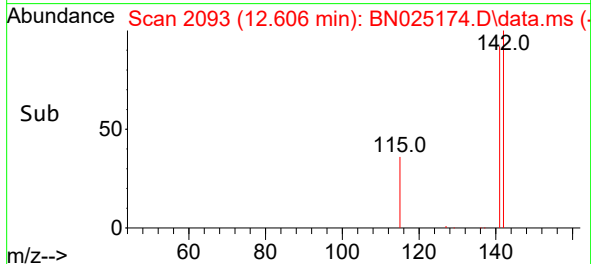
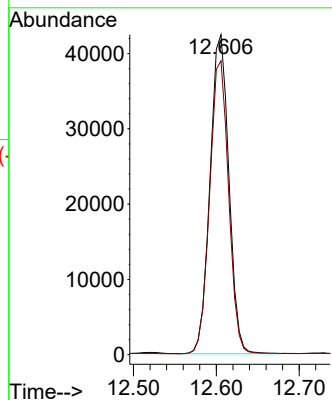
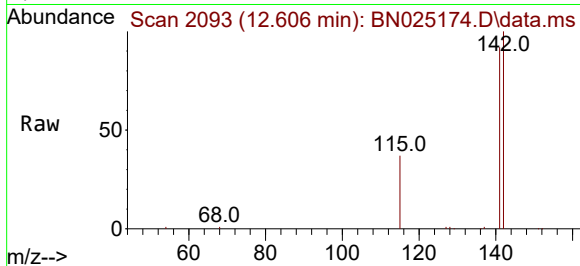




#8  
1-Methylnaphthalene  
Concen: 1.370 ng/ul  
RT: 12.606 min Scan# 2093  
Delta R.T. 0.000 min  
Lab File: BN025174.D  
Acq: 27 Apr 2023 13:00

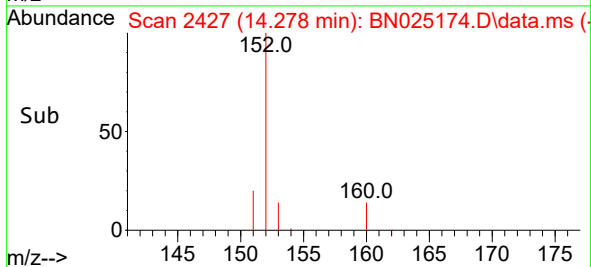
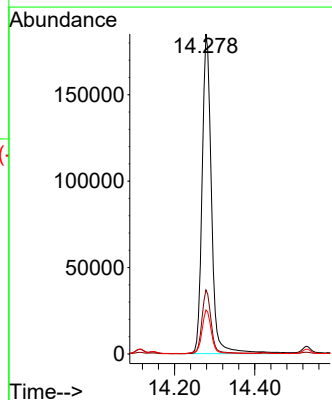
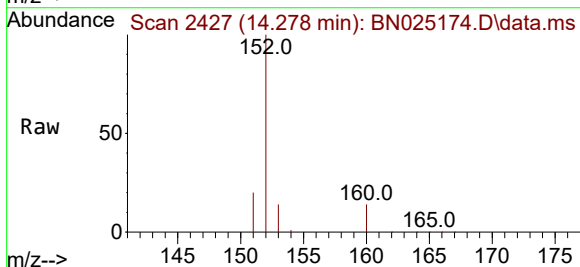
Instrument :  
BNA\_N  
ClientSampleId :  
EW8Z5

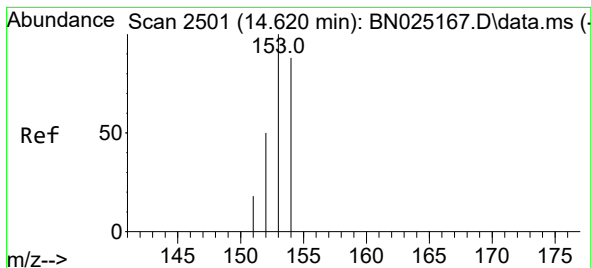
Tgt Ion:142 Resp: 66826  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.8 110.6



#10  
Acenaphthylene  
Concen: 4.254 ng/ul  
RT: 14.278 min Scan# 2427  
Delta R.T. -0.004 min  
Lab File: BN025174.D  
Acq: 27 Apr 2023 13:00

Tgt Ion:152 Resp: 298649  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.0 24.0  
153 13.8 10.8 16.2





#11

Acenaphthene

Concen: 3.427 ng/ul

RT: 14.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN025174.D

Acq: 27 Apr 2023 13:00

Instrument :

BNA\_N

ClientSampleId :

EW8Z5

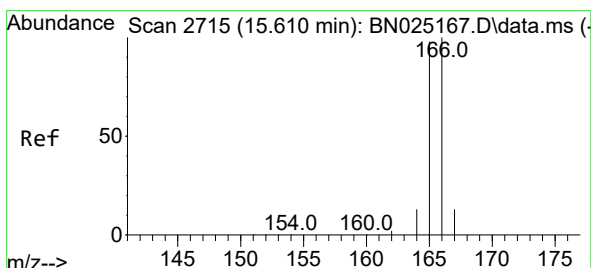
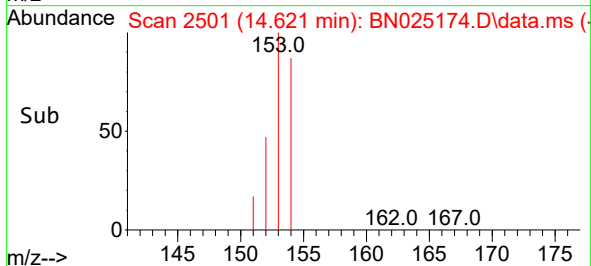
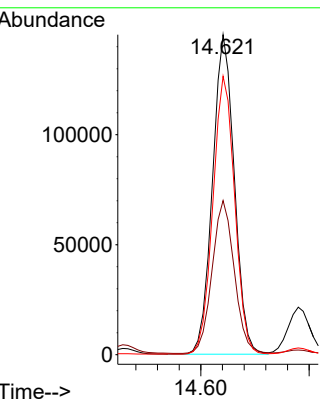
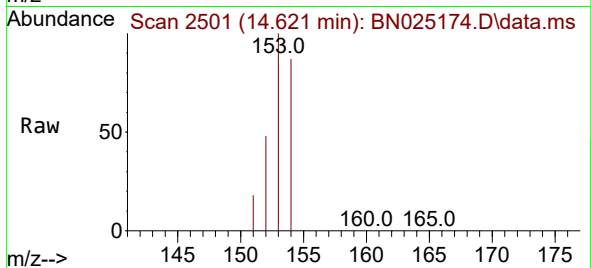
Tgt Ion:153 Resp: 202812

Ion Ratio Lower Upper

153 100

152 48.1 40.2 60.4

154 87.0 69.4 104.2



#12

Fluorene

Concen: 4.509 ng/ul

RT: 15.606 min Scan# 2714

Delta R.T. -0.004 min

Lab File: BN025174.D

Acq: 27 Apr 2023 13:00

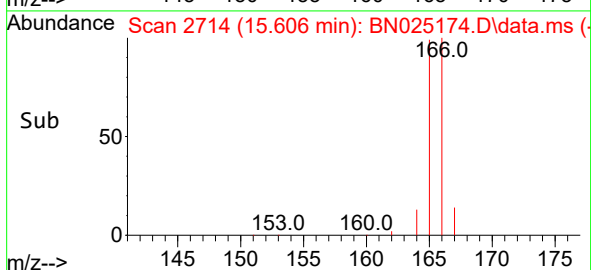
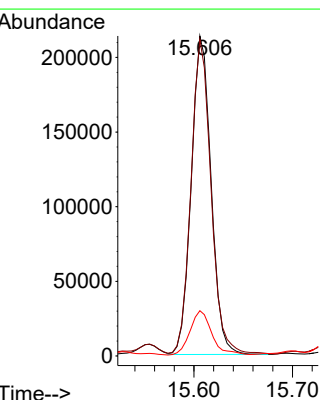
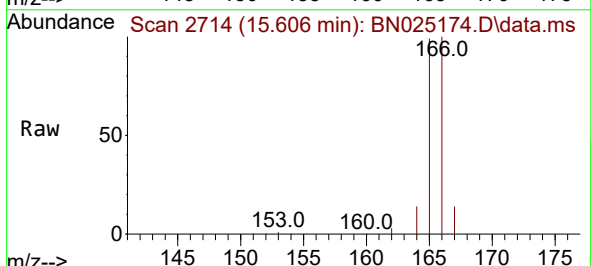
Tgt Ion:166 Resp: 298321

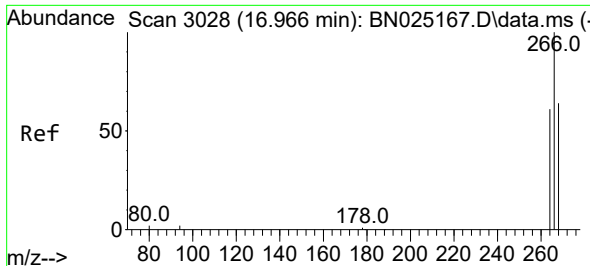
Ion Ratio Lower Upper

166 100

165 98.9 78.1 117.1

167 14.1 11.0 16.6

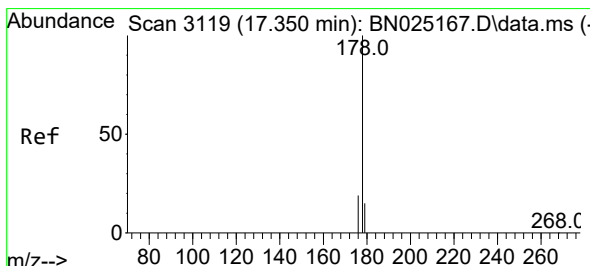
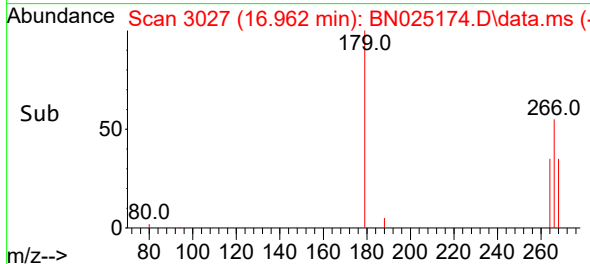
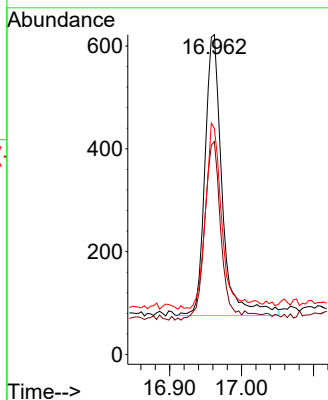
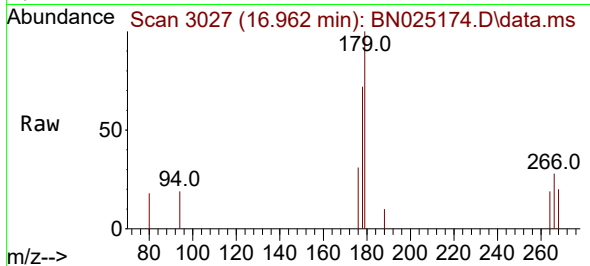




#14  
 Pentachlorophenol  
 Concen: 0.117 ng/ul  
 RT: 16.962 min Scan# 3028  
 Delta R.T. -0.004 min  
 Lab File: BN025174.D  
 Acq: 27 Apr 2023 13:00

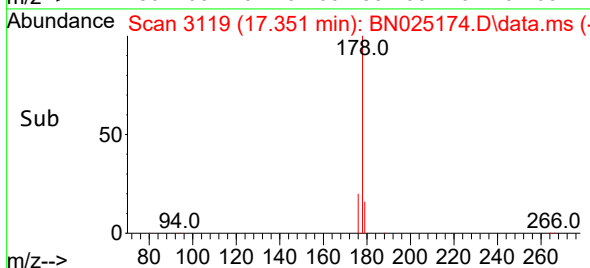
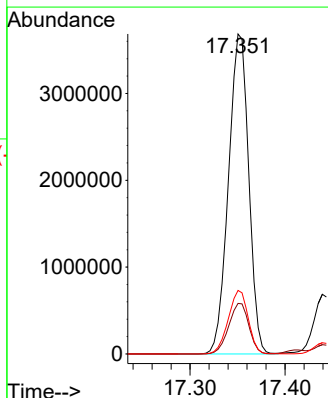
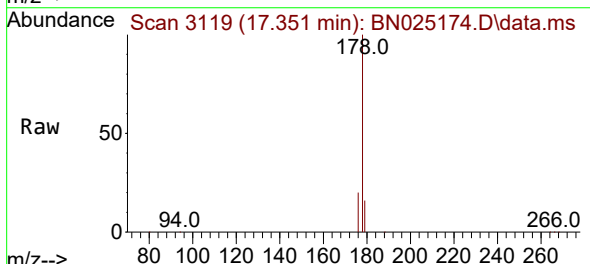
Instrument :  
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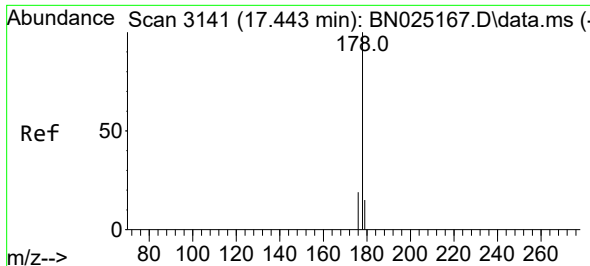
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 905  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 63.9  | 49.6  | 74.4 |
| 268       | 62.2  | 51.3  | 76.9 |



#15  
 Phenanthrene  
 Concen: 49.054 ng/ul  
 RT: 17.351 min Scan# 3119  
 Delta R.T. 0.000 min  
 Lab File: BN025174.D  
 Acq: 27 Apr 2023 13:00

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 5459548 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 179       | 15.8  | 12.5  | 18.7    |
| 176       | 19.8  | 15.6  | 23.4    |

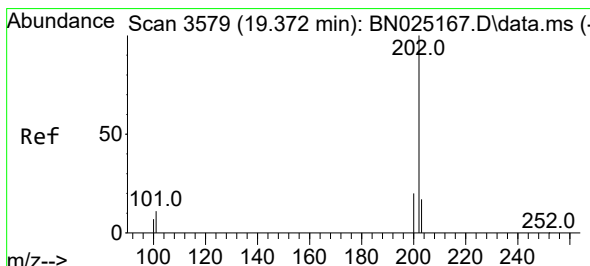
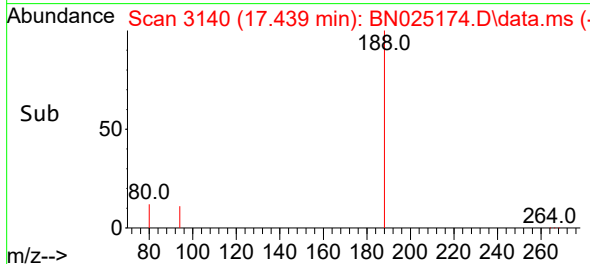
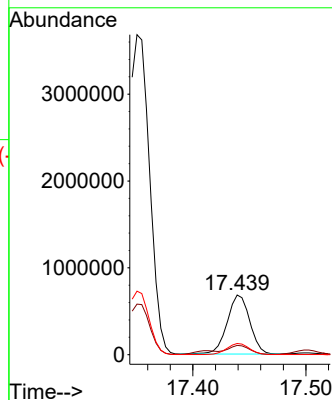
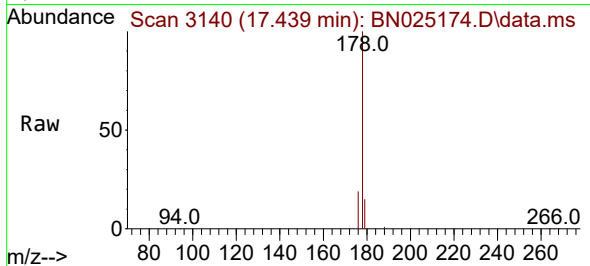




#16  
 Anthracene  
 Concen: 10.390 ng/ul  
 RT: 17.439 min Scan# 3140  
 Delta R.T. -0.004 min  
 Lab File: BN025174.D  
 Acq: 27 Apr 2023 13:00

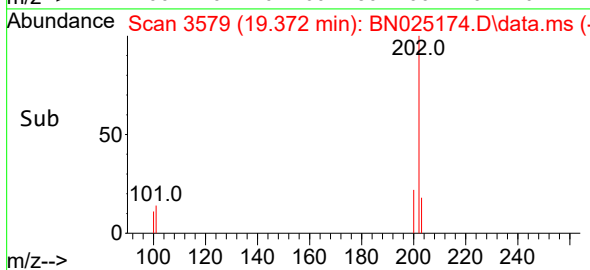
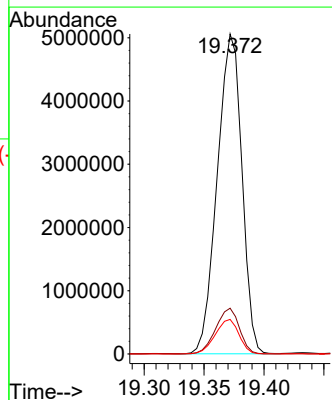
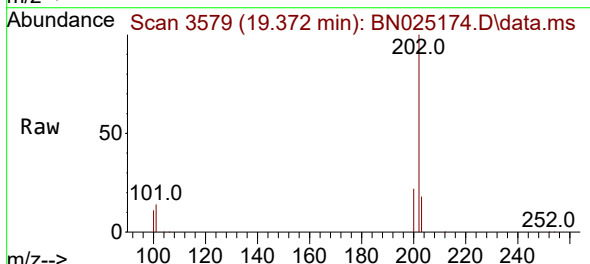
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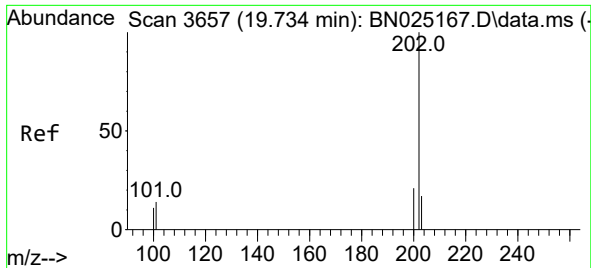
Tgt Ion:178 Resp: 945972  
 Ion Ratio Lower Upper  
 178 100  
 179 15.4 12.7 19.1  
 176 18.7 15.3 22.9



#19  
 Fluoranthene  
 Concen: 71.936 ng/ul  
 RT: 19.372 min Scan# 3579  
 Delta R.T. 0.000 min  
 Lab File: BN025174.D  
 Acq: 27 Apr 2023 13:00

Tgt Ion:202 Resp: 7236433  
 Ion Ratio Lower Upper  
 202 100  
 101 14.3 9.7 14.5  
 100 10.8 7.3 10.9





#20

Pyrene

Concen: 64.156 ng/ul

RT: 19.739 min Scan# 3658

Delta R.T. 0.005 min

Lab File: BN025174.D

Acq: 27 Apr 2023 13:00

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BNA\_N

ClientSampleId :

EW8Z5

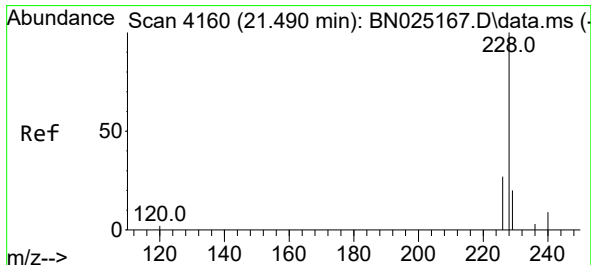
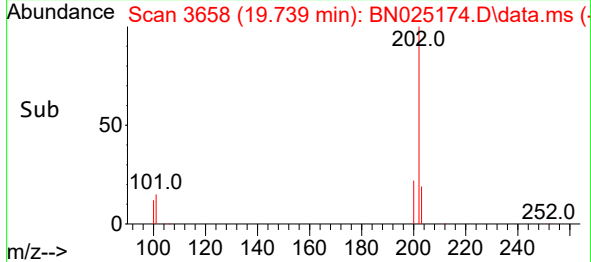
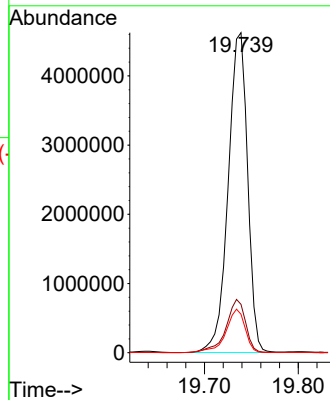
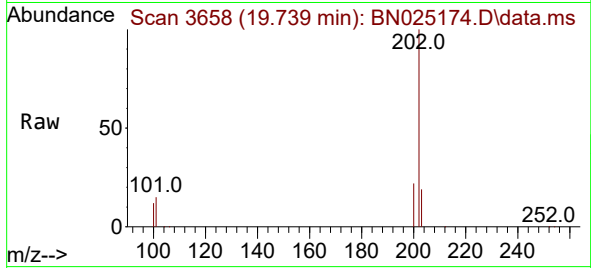
Tgt Ion:202 Resp: 6630871

Ion Ratio Lower Upper

202 100

101 15.1 11.3 16.9

100 12.0 9.2 13.8



#21

Benzo(a)anthracene

Concen: 32.021 ng/ul

RT: 21.490 min Scan# 4160

Delta R.T. 0.000 min

Lab File: BN025174.D

Acq: 27 Apr 2023 13:00

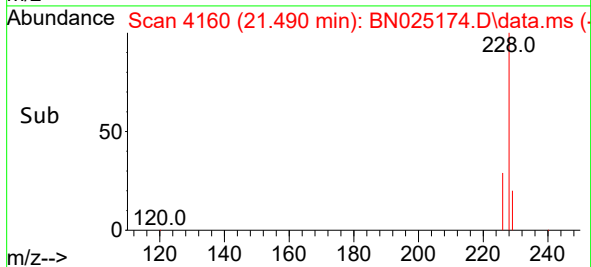
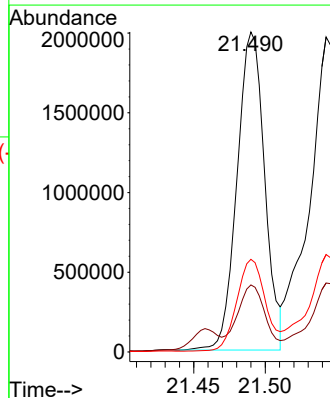
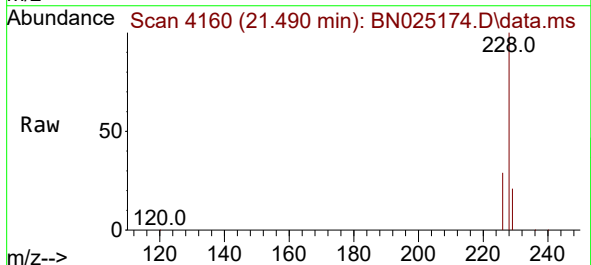
Tgt Ion:228 Resp: 2684176

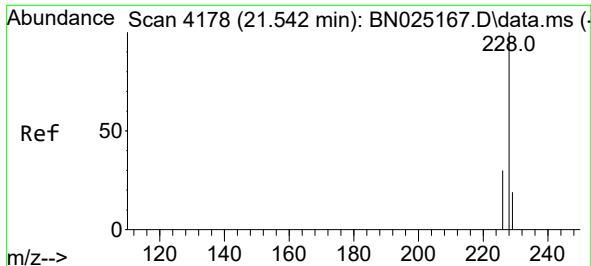
Ion Ratio Lower Upper

228 100

229 20.9 15.6 23.4

226 29.0 22.1 33.1





#22

Chrysene

Concen: 32.413 ng/ul

RT: 21.543 min Scan# 4178

Delta R.T. 0.000 min

Lab File: BN025174.D

Acq: 27 Apr 2023 13:00

Instrument :

BNA\_N

ClientSampleId :

EW8Z5

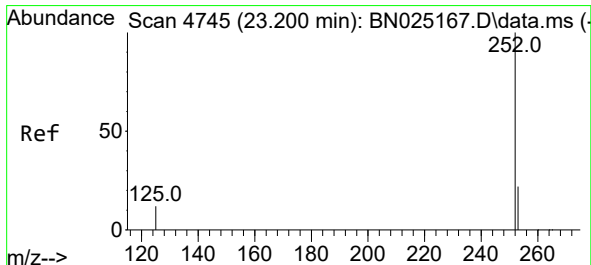
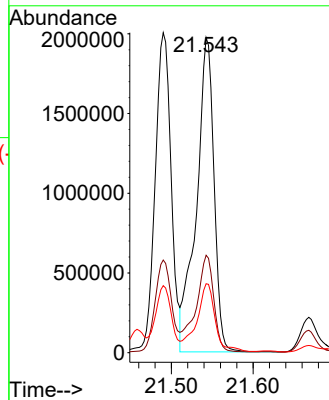
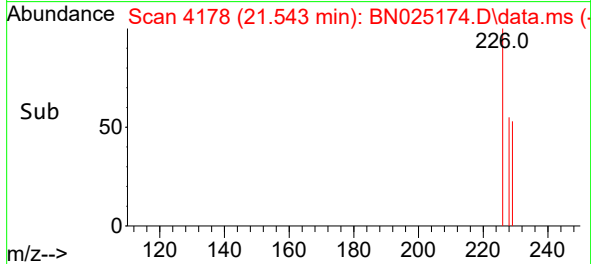
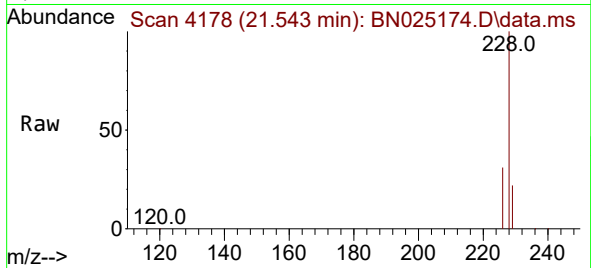
Tgt Ion:228 Resp: 2963915

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 21.9 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 40.743 ng/ul

RT: 23.206 min Scan# 4747

Delta R.T. 0.006 min

Lab File: BN025174.D

Acq: 27 Apr 2023 13:00

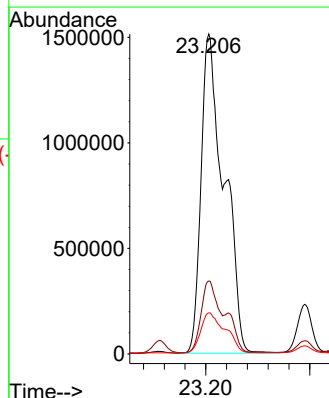
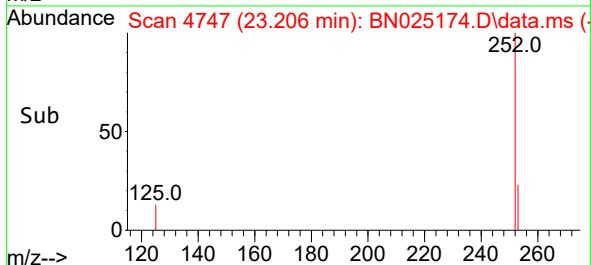
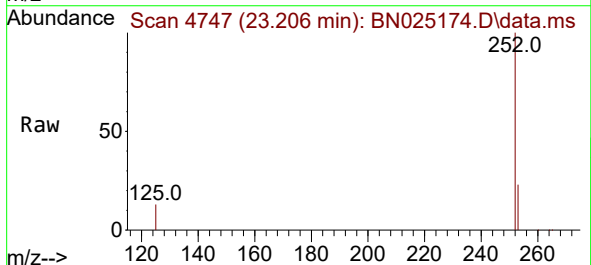
Tgt Ion:252 Resp: 4641907

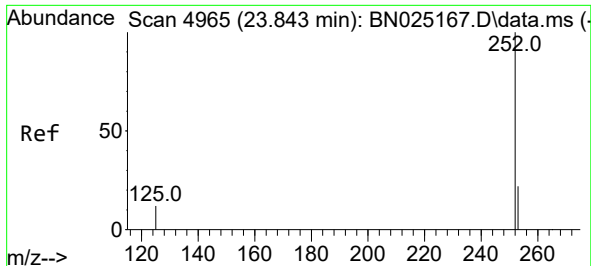
Ion Ratio Lower Upper

252 100

253 22.8 0.0 50.2

125 12.8 0.0 30.4

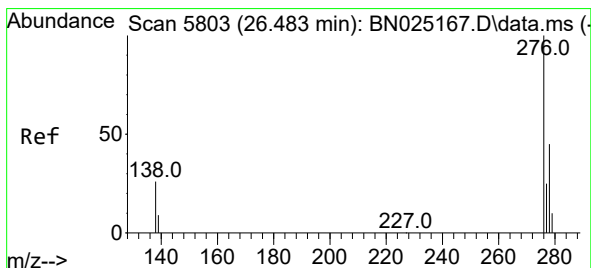
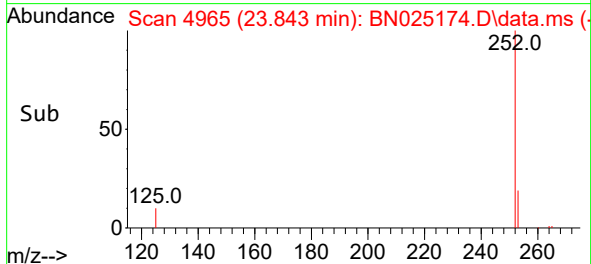
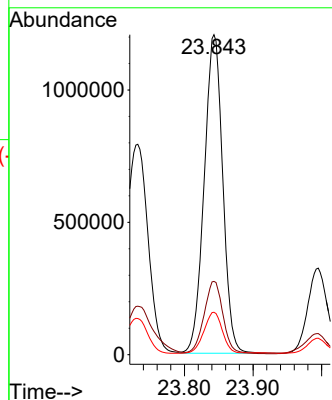
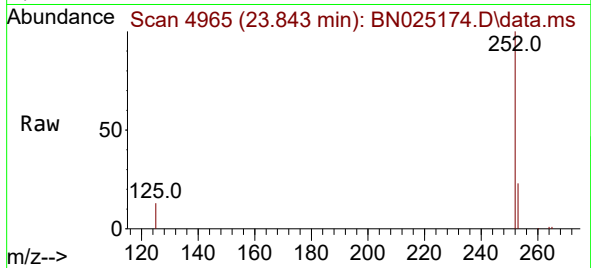




#26  
Benzo(a)pyrene  
Concen: 24.043 ng/ul  
RT: 23.843 min Scan# 4965  
Delta R.T. 0.000 min  
Lab File: BN025174.D  
Acq: 27 Apr 2023 13:00

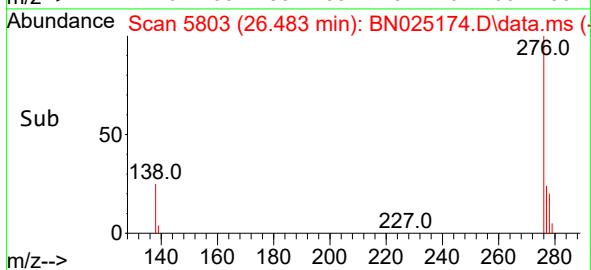
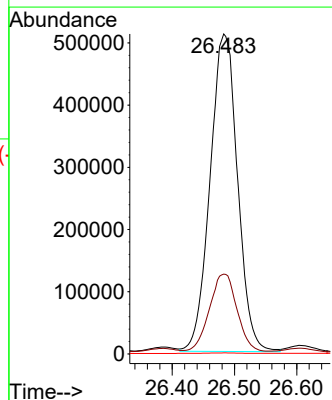
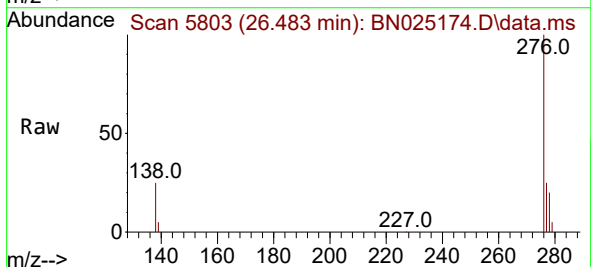
Instrument :  
BNA\_N  
ClientSampleId :  
EW8Z5

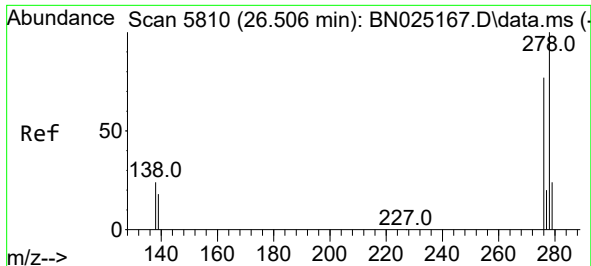
Tgt Ion:252 Resp: 2266419  
Ion Ratio Lower Upper  
252 100  
253 22.9 21.4 32.2  
125 13.3 14.6 22.0#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 14.405 ng/ul  
RT: 26.483 min Scan# 5803  
Delta R.T. 0.000 min  
Lab File: BN025174.D  
Acq: 27 Apr 2023 13:00

Tgt Ion:276 Resp: 1564488  
Ion Ratio Lower Upper  
276 100  
138 24.7 21.9 32.9  
227 0.4 0.1 0.1#

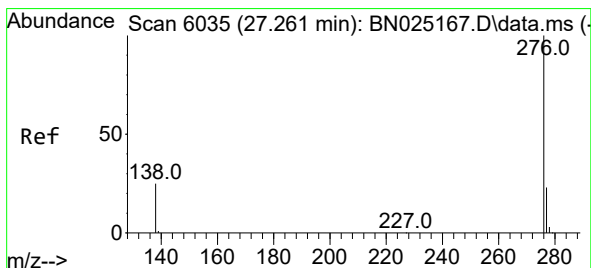
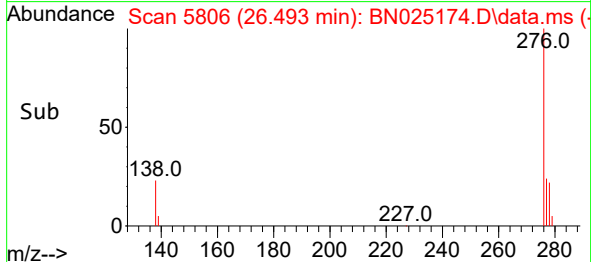
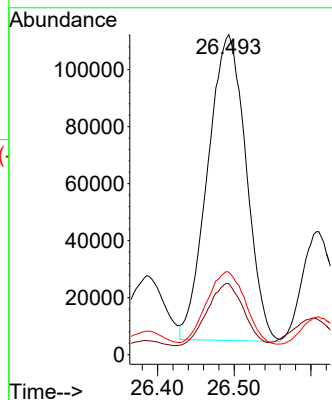
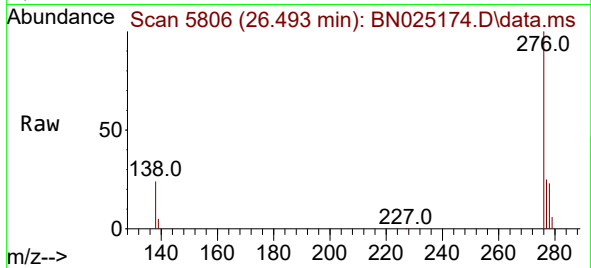




#28  
 Dibenzo(a,h)anthracene  
 Concen: 4.387 ng/ul  
 RT: 26.493 min Scan# 5806  
 Delta R.T. -0.013 min  
 Lab File: BN025174.D  
 Acq: 27 Apr 2023 13:00

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW8Z5

Tgt Ion:278 Resp: 372160  
 Ion Ratio Lower Upper  
 278 100  
 139 22.2 17.0 25.6  
 279 25.8 21.8 32.8



#29  
 Benzo(g,h,i)perylene  
 Concen: 14.374 ng/ul  
 RT: 27.261 min Scan# 6035  
 Delta R.T. 0.000 min  
 Lab File: BN025174.D  
 Acq: 27 Apr 2023 13:00

Tgt Ion:276 Resp: 1327497  
 Ion Ratio Lower Upper  
 276 100  
 138 26.0 20.3 30.5  
 277 23.9 19.8 29.6

