

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026235.D  
 Acq On : 03 Jul 2023 21:13  
 Operator : MA/JU  
 Sample : 03246-18  
 Misc :  
 ALS Vial : 92 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGK5

Quant Time: Jul 04 01:04:03 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 04 00:40:07 2023  
 Response via : Initial Calibration

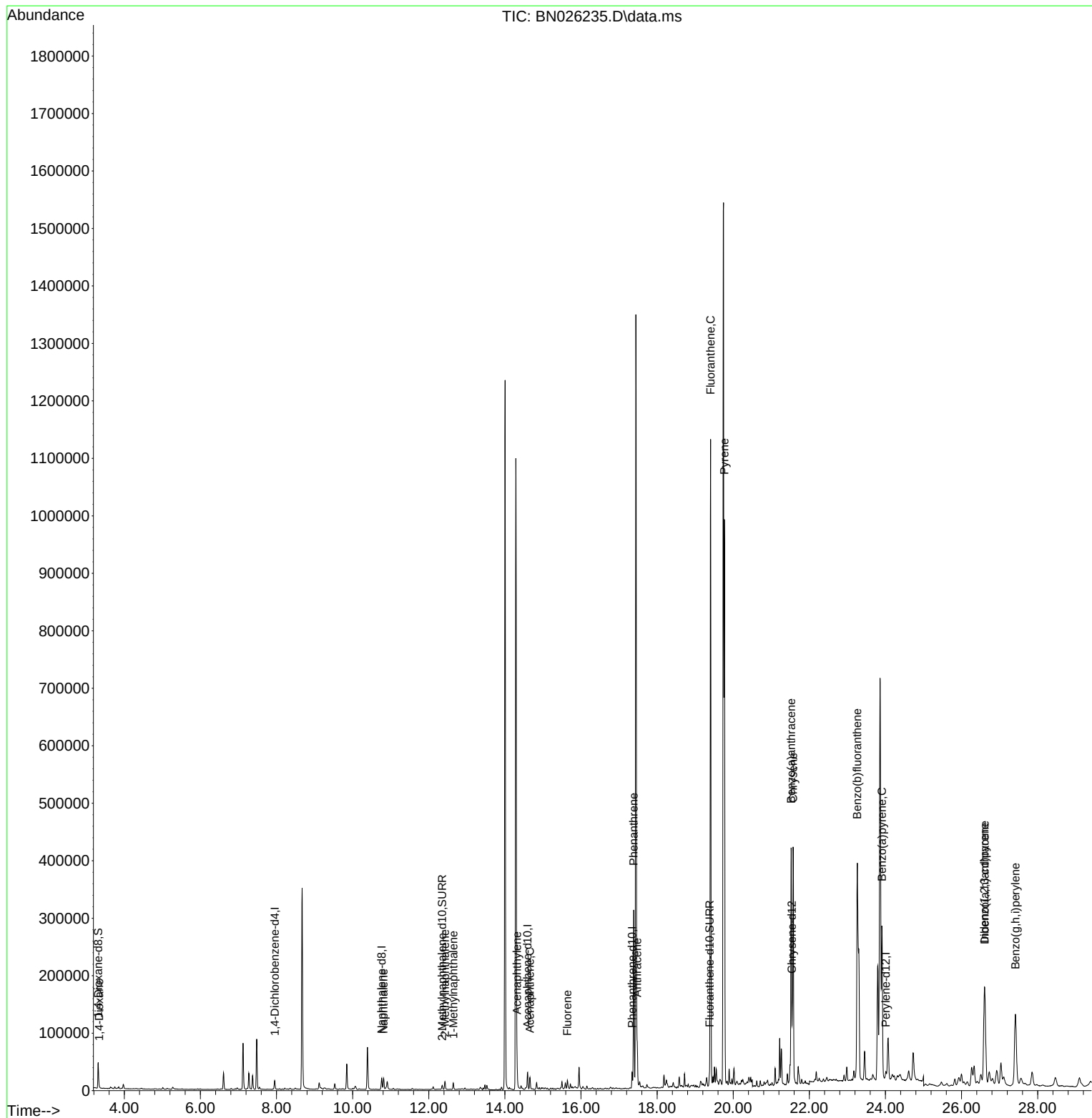
| Compound                    | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| -----                       |        |      |          |        |         |          |
| Internal Standards          |        |      |          |        |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.951  | 152  | 8411     | 0.400  | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.763 | 136  | 25782    | 0.400  | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.598 | 164  | 16441    | 0.400  | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.342 | 188  | 34008    | 0.400  | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.540 | 240  | 18568    | 0.400  | ng/ul # | 0.00     |
| 23) Perylene-d12            | 24.010 | 264  | 17976    | 0.400  | ng/ul   | 0.00     |
|                             |        |      |          |        |         |          |
| System Monitoring Compounds |        |      |          |        |         |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 29954    | 3.162  | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.353 | 152  | 9351     | 0.236  | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.376 | 212  | 19291    | 0.273  | ng/ul   | 0.00     |
|                             |        |      |          |        |         |          |
| Target Compounds            |        |      |          |        |         | Qvalue   |
| 2) 1,4-Dioxane              | 3.339  | 88   | 257      | 0.026  | ng/ul#  | 1        |
| 5) Naphthalene              | 10.813 | 128  | 26112    | 0.353  | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 12.424 | 142  | 10548    | 0.224  | ng/ul   | 100      |
| 8) 1-Methylnaphthalene      | 12.644 | 142  | 8155     | 0.167  | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.320 | 152  | 46112    | 0.599  | ng/ul   | 99       |
| 11) Acenaphthene            | 14.658 | 153  | 10516    | 0.167  | ng/ul   | 99       |
| 12) Fluorene                | 15.643 | 166  | 9881     | 0.137  | ng/ul#  | 97       |
| 15) Phenanthrene            | 17.384 | 178  | 337712   | 3.006  | ng/ul   | 99       |
| 16) Anthracene              | 17.477 | 178  | 67510    | 0.676  | ng/ul   | 98       |
| 19) Fluoranthene            | 19.404 | 202  | 953282   | 9.612  | ng/ul   | 97       |
| 20) Pyrene                  | 19.767 | 202  | 799101   | 7.747  | ng/ul   | 96       |
| 21) Benzo(a)anthracene      | 21.522 | 228  | 354677   | 4.630  | ng/ul   | 98       |
| 22) Chrysene                | 21.575 | 228  | 436814   | 5.481  | ng/ul   | 97       |
| 24) Benzo(b)fluoranthene    | 23.258 | 252  | 881292   | 11.486 | ng/ul   | 89       |
| 26) Benzo(a)pyrene          | 23.907 | 252  | 399801   | 6.000  | ng/ul#  | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.604 | 276  | 339207   | 4.660  | ng/ul#  | 81       |
| 28) Dibenzo(a,h)anthracene  | 26.610 | 278  | 78493    | 1.425  | ng/ul   | 99       |
| 29) Benzo(g,h,i)perylene    | 27.415 | 276  | 303892   | 4.693  | ng/ul#  | 93       |
| -----                       |        |      |          |        |         |          |

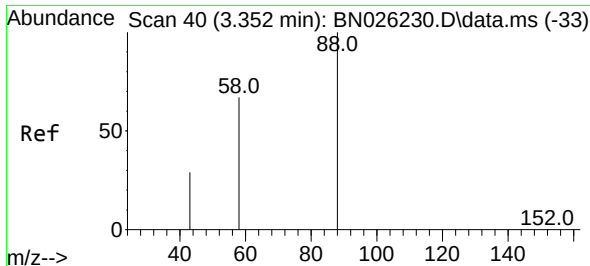
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
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Quant Time: Jul 04 01:04:03 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 04 00:40:07 2023  
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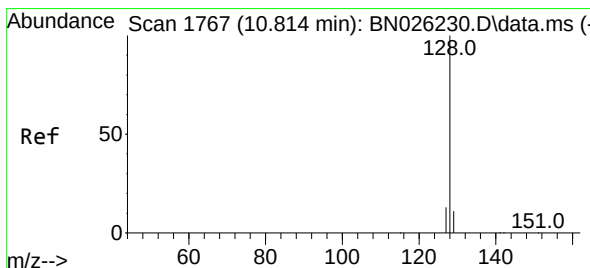
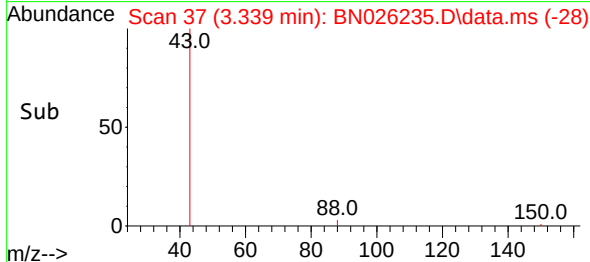
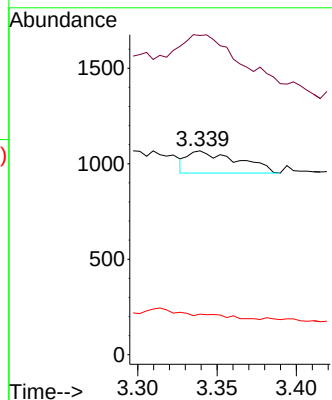
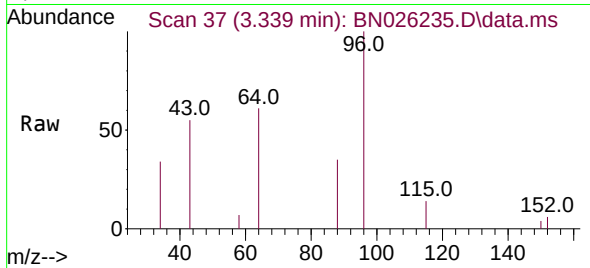




#2  
1,4-Dioxane  
Concen: 0.026 ng/ul  
RT: 3.339 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

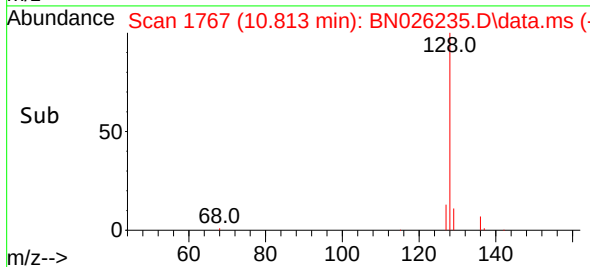
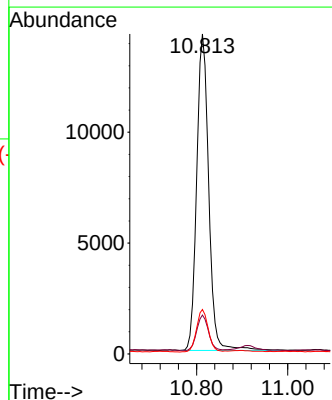
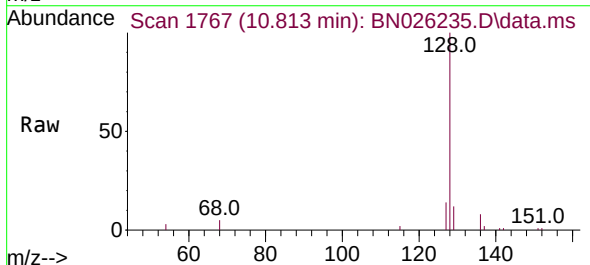
Instrument :  
BNA\_N  
ClientSampleId :  
DCGK5

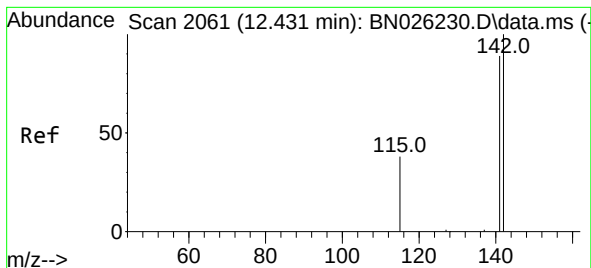
Tgt Ion: 88 Resp: 257  
Ion Ratio Lower Upper  
88 100  
43 156.6 29.5 44.3#  
58 19.9 37.4 56.2#



#5  
Naphthalene  
Concen: 0.353 ng/ul  
RT: 10.813 min Scan# 1767  
Delta R.T. -0.001 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

Tgt Ion: 128 Resp: 26112  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.1 13.7  
127 13.9 10.7 16.1

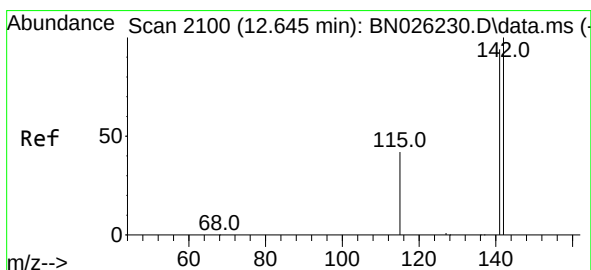
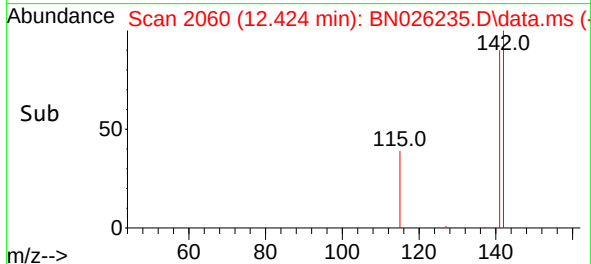
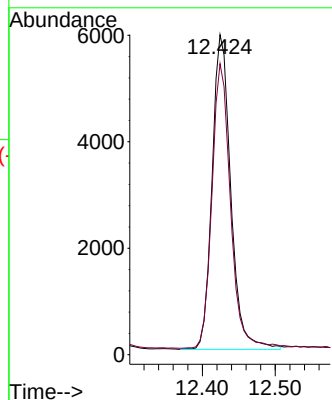
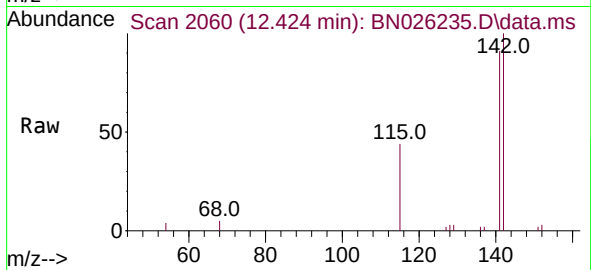




#7  
2-Methylnaphthalene  
Concen: 0.224 ng/ul  
RT: 12.424 min Scan# 2060  
Delta R.T. -0.007 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

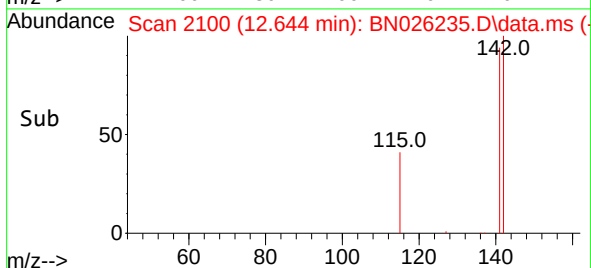
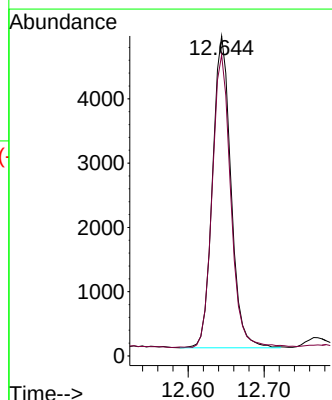
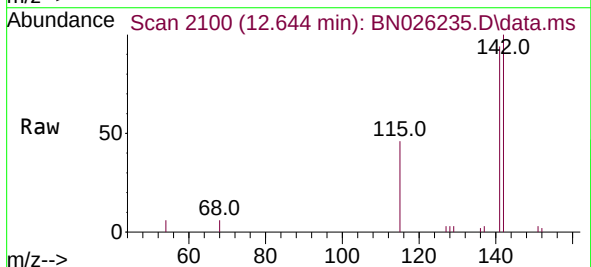
Instrument :  
BNA\_N  
ClientSampleId :  
DCGK5

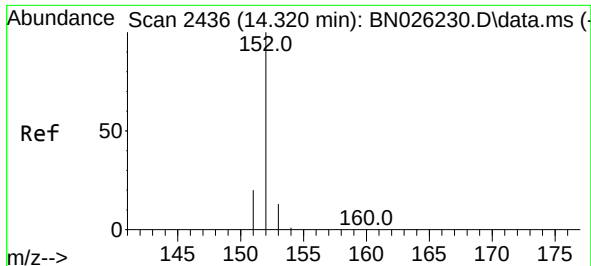
Tgt Ion:142 Resp: 10548  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.167 ng/ul  
RT: 12.644 min Scan# 2100  
Delta R.T. -0.001 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

Tgt Ion:142 Resp: 8155  
Ion Ratio Lower Upper  
142 100  
141 94.2 74.2 111.4

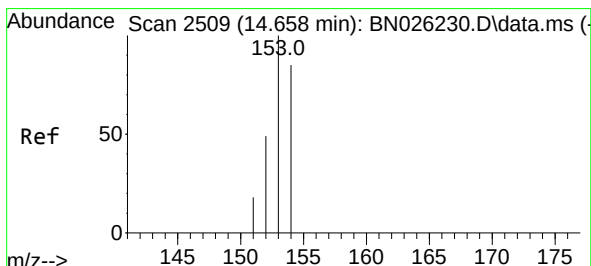
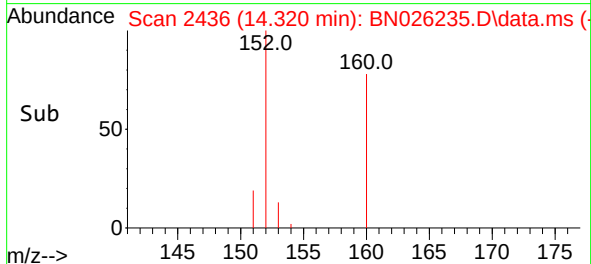
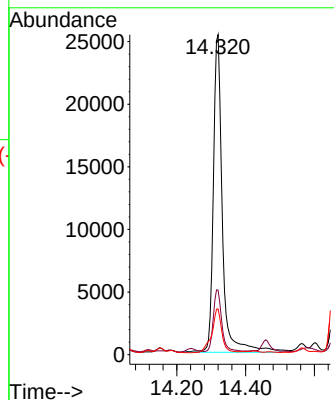
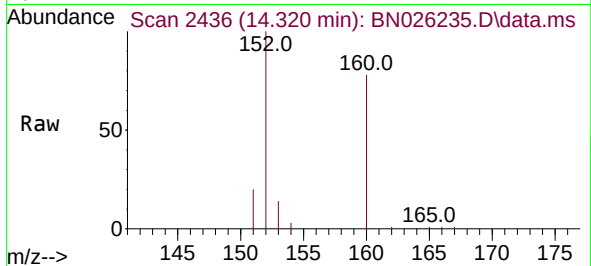




#10  
Acenaphthylene  
Concen: 0.599 ng/ul  
RT: 14.320 min Scan# 2436  
Delta R.T. -0.000 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

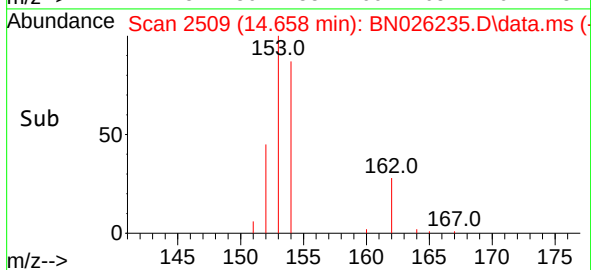
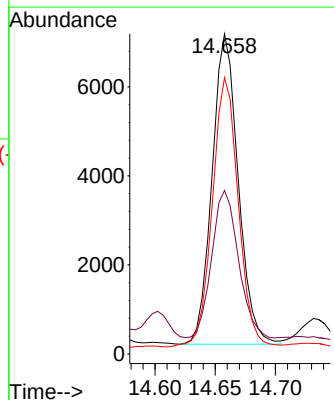
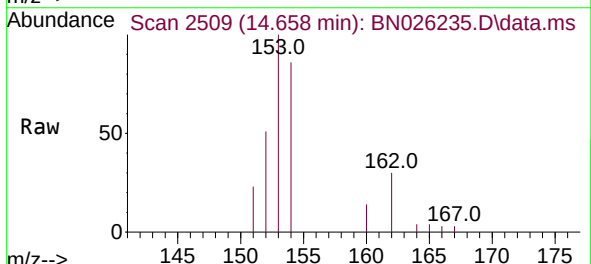
Instrument :  
BNA\_N  
ClientSampleId :  
DCGK5

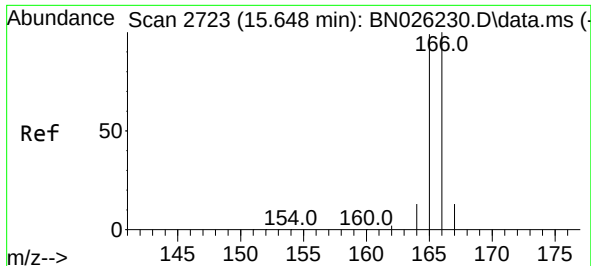
Tgt Ion:152 Resp: 46112  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.4  
153 14.3 10.9 16.3



#11  
Acenaphthene  
Concen: 0.167 ng/ul  
RT: 14.658 min Scan# 2509  
Delta R.T. -0.000 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

Tgt Ion:153 Resp: 10516  
Ion Ratio Lower Upper  
153 100  
152 51.1 39.4 59.0  
154 86.4 68.9 103.3

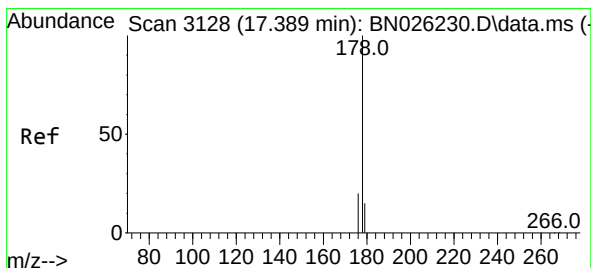
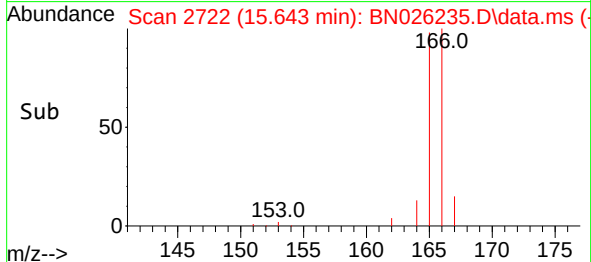
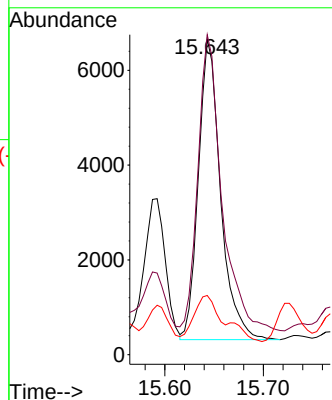
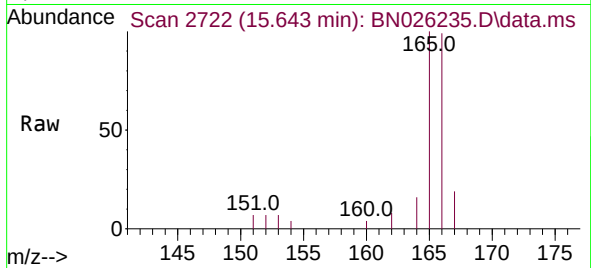




#12  
Fluorene  
Concen: 0.137 ng/ul  
RT: 15.643 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

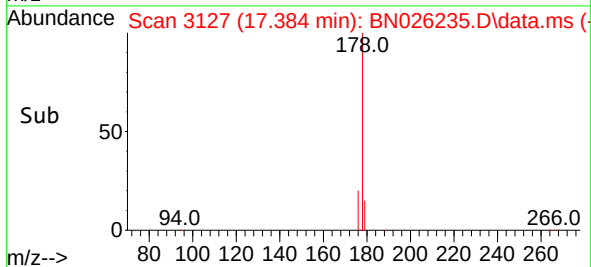
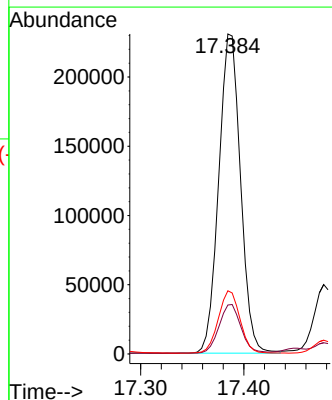
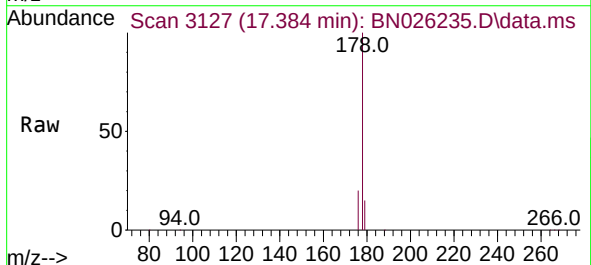
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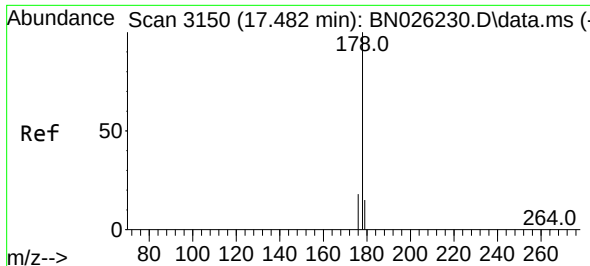
Tgt Ion:166 Resp: 9881  
Ion Ratio Lower Upper  
166 100  
165 101.4 79.9 119.9  
167 18.8 10.8 16.2#



#15  
Phenanthrene  
Concen: 3.006 ng/ul  
RT: 17.384 min Scan# 3127  
Delta R.T. -0.005 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

Tgt Ion:178 Resp: 337712  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 19.0  
176 19.8 15.8 23.6

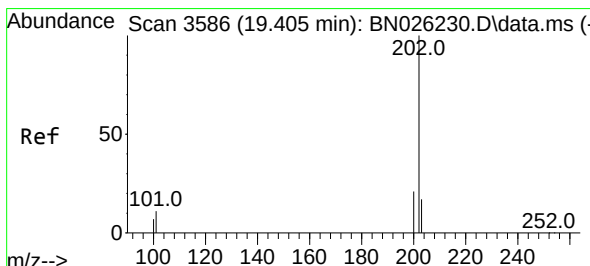
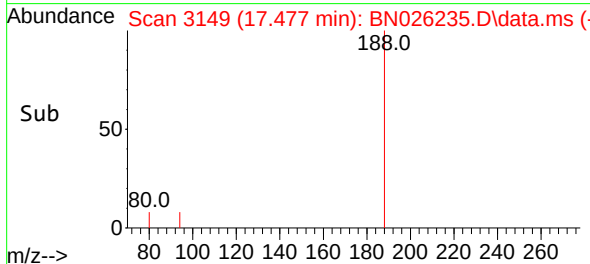
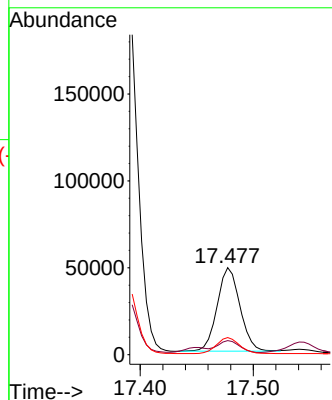
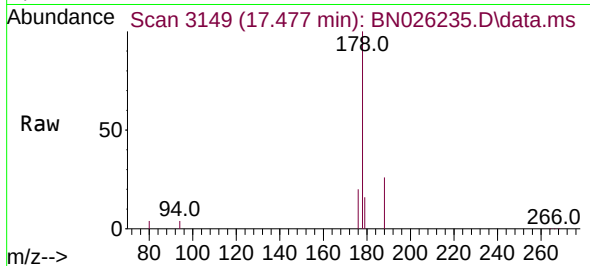




#16  
 Anthracene  
 Concen: 0.676 ng/ul  
 RT: 17.477 min Scan# 3150  
 Delta R.T. -0.005 min  
 Lab File: BN026235.D  
 Acq: 03 Jul 2023 21:13

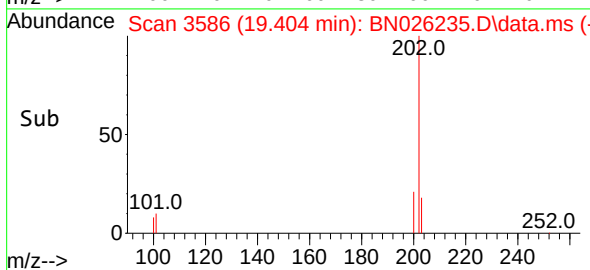
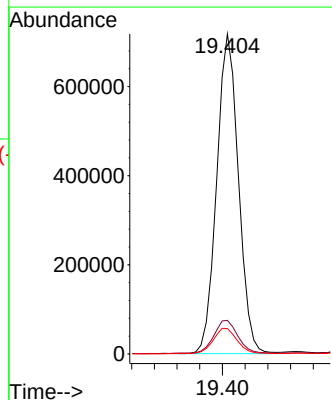
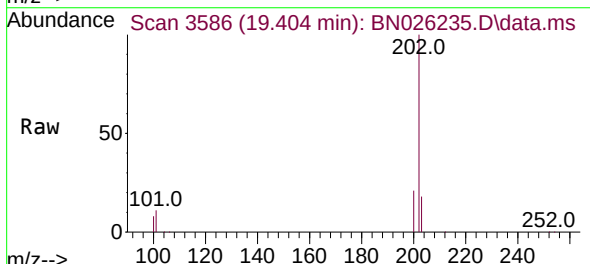
Instrument :  
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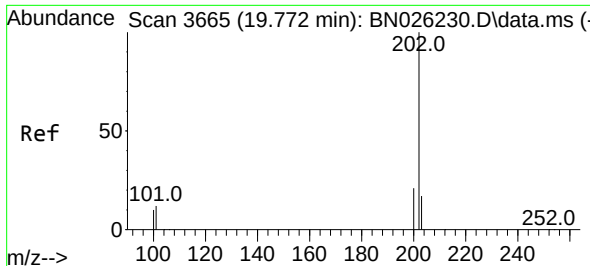
Tgt Ion:178 Resp: 67510  
 Ion Ratio Lower Upper  
 178 100  
 179 16.2 12.6 18.8  
 176 19.7 15.1 22.7



#19  
 Fluoranthene  
 Concen: 9.612 ng/ul  
 RT: 19.404 min Scan# 3586  
 Delta R.T. -0.001 min  
 Lab File: BN026235.D  
 Acq: 03 Jul 2023 21:13

Tgt Ion:202 Resp: 953282  
 Ion Ratio Lower Upper  
 202 100  
 101 10.5 9.5 14.3  
 100 7.9 7.3 10.9

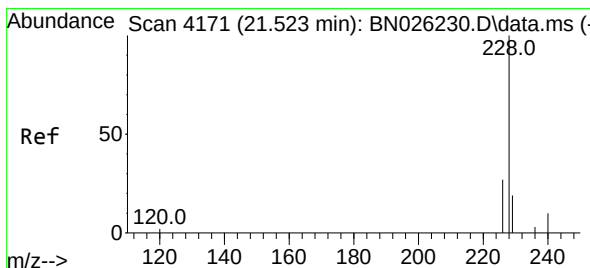
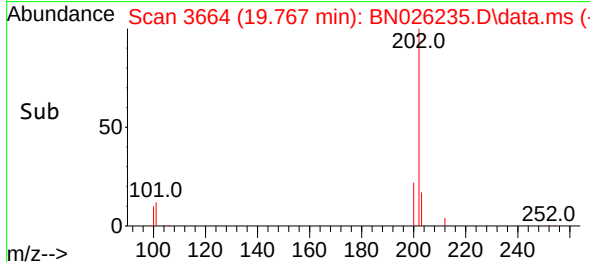
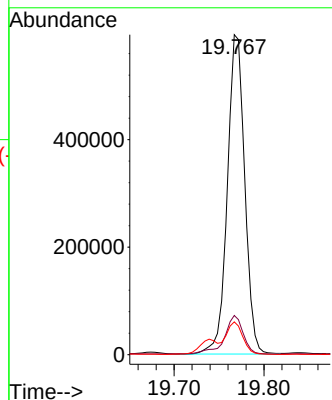
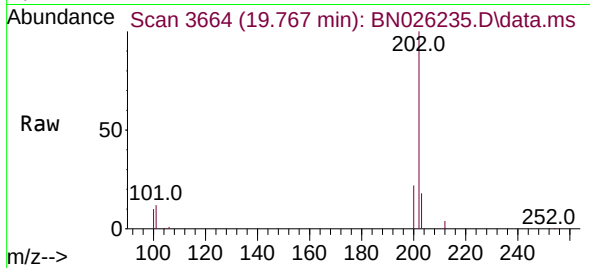




#20  
Pyrene  
Concen: 7.747 ng/ul  
RT: 19.767 min Scan# 3664  
Delta R.T. -0.005 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

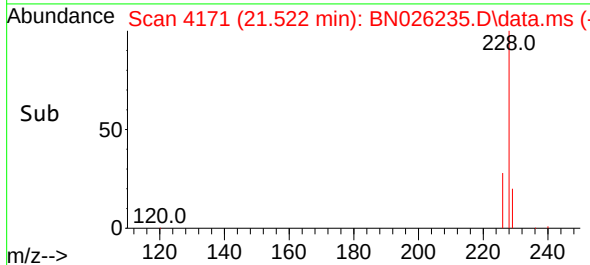
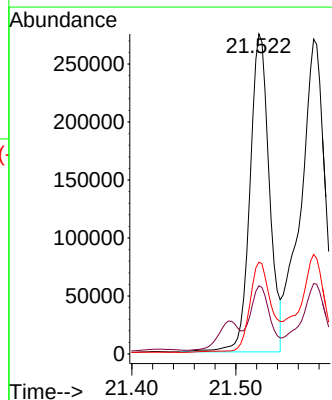
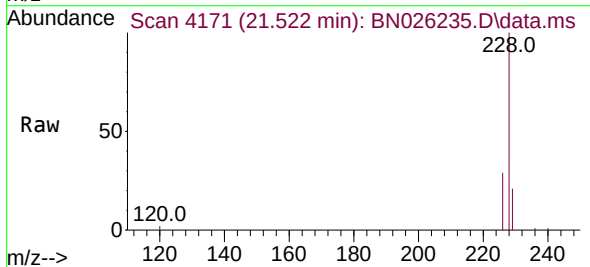
Instrument :  
BNA\_N  
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Tgt Ion:202 Resp: 799101  
Ion Ratio Lower Upper  
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101 12.3 11.4 17.0  
100 10.3 9.1 13.7

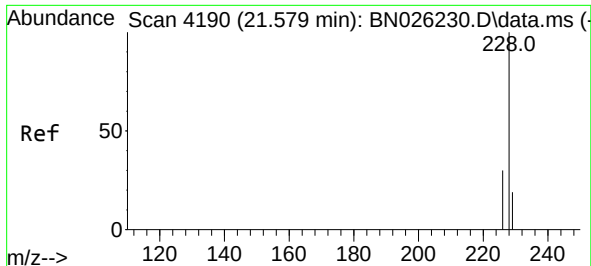


#21  
Benzo(a)anthracene  
Concen: 4.630 ng/ul  
RT: 21.522 min Scan# 4171  
Delta R.T. -0.001 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

Tgt Ion:228 Resp: 354677  
Ion Ratio Lower Upper  
228 100  
229 21.3 15.8 23.6  
226 28.7 22.5 33.7



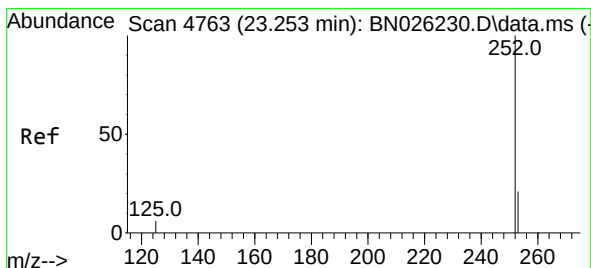
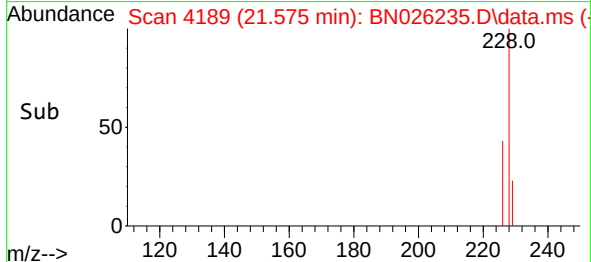
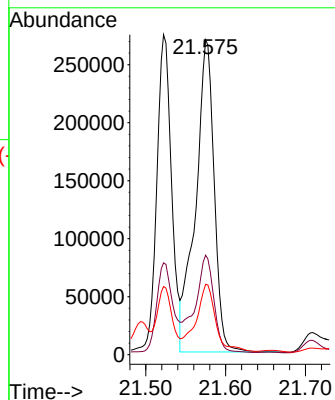
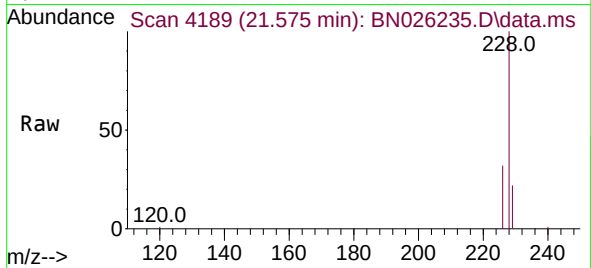




#22  
Chrysene  
Concen: 5.481 ng/ul  
RT: 21.575 min Scan# 4189  
Delta R.T. -0.004 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

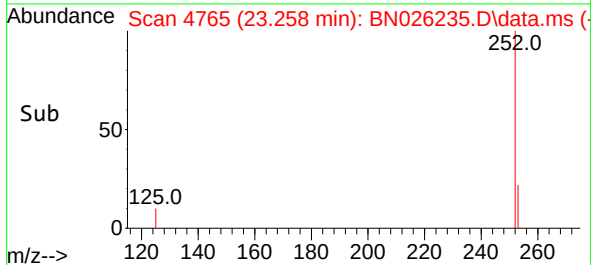
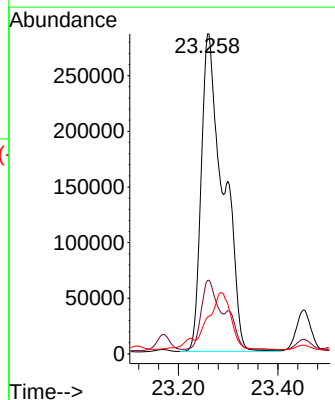
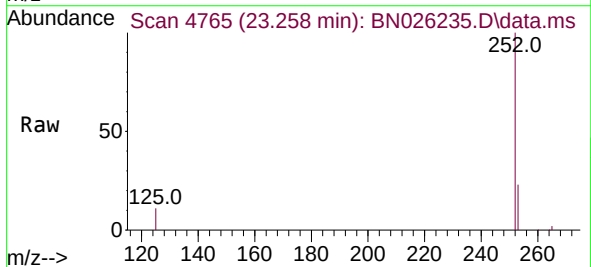
Instrument :  
BNA\_N  
ClientSampleId :  
DCGK5

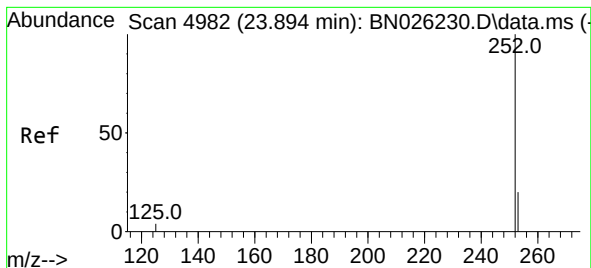
Tgt Ion:228 Resp: 436814  
Ion Ratio Lower Upper  
228 100  
226 31.6 24.8 37.2  
229 22.4 15.7 23.5



#24  
Benzo(b)fluoranthene  
Concen: 11.486 ng/ul  
RT: 23.258 min Scan# 4765  
Delta R.T. 0.005 min  
Lab File: BN026235.D  
Acq: 03 Jul 2023 21:13

Tgt Ion:252 Resp: 881292  
Ion Ratio Lower Upper  
252 100  
253 23.0 0.0 55.6  
125 11.5 0.0 35.8





#26

Benzo(a)pyrene

Concen: 6.000 ng/ul

RT: 23.907 min Scan# 4987

Delta R.T. 0.014 min

Lab File: BN026235.D

Acq: 03 Jul 2023 21:13

Instrument :

BNA\_N

ClientSampleId :

DCGK5

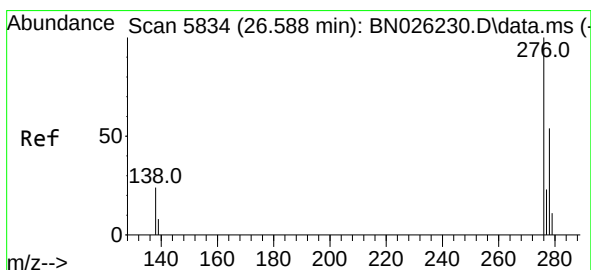
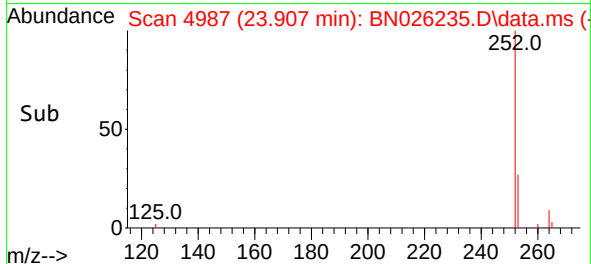
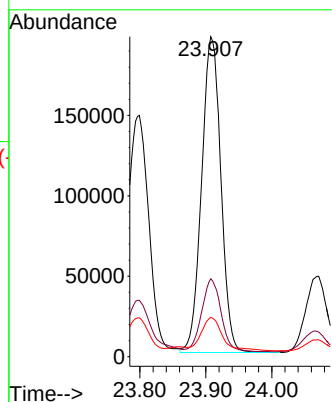
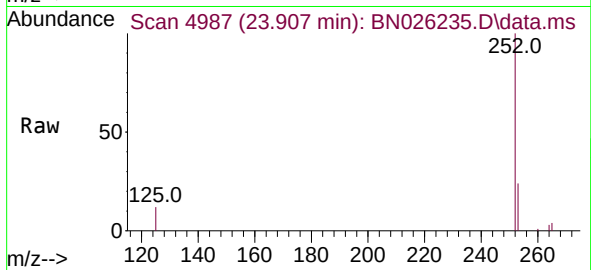
Tgt Ion:252 Resp: 399801

Ion Ratio Lower Upper

252 100

253 24.3 26.0 39.0#

125 12.3 17.3 25.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.660 ng/ul

RT: 26.604 min Scan# 5839

Delta R.T. 0.016 min

Lab File: BN026235.D

Acq: 03 Jul 2023 21:13

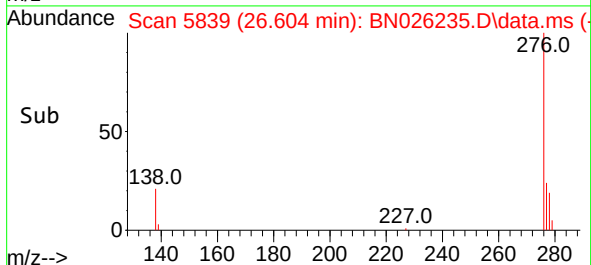
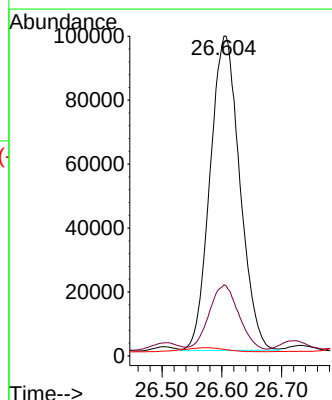
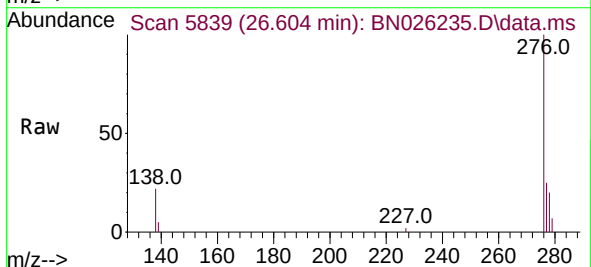
Tgt Ion:276 Resp: 339207

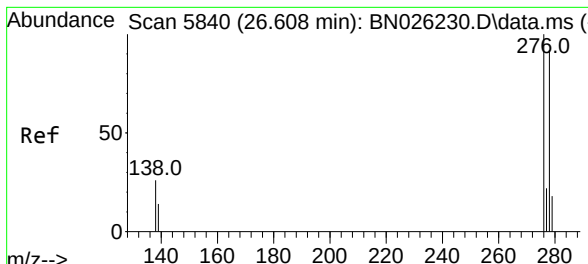
Ion Ratio Lower Upper

276 100

138 20.3 24.5 36.7#

227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 1.425 ng/ul

RT: 26.610 min Scan# 5841

Delta R.T. 0.003 min

Lab File: BN026235.D

Acq: 03 Jul 2023 21:13

Instrument :

BNA\_N

ClientSampleId :

DCGK5

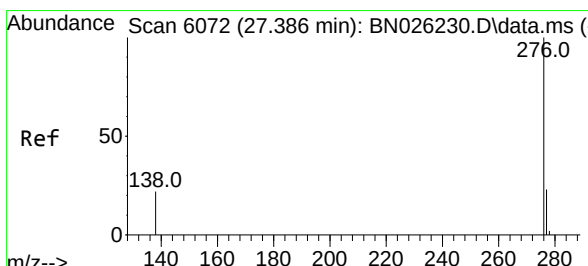
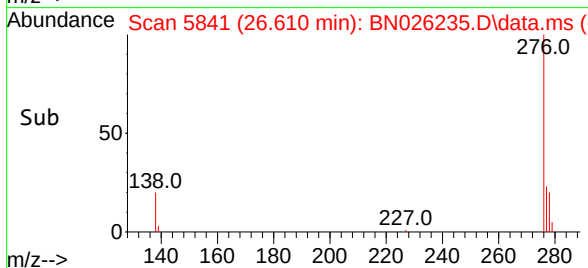
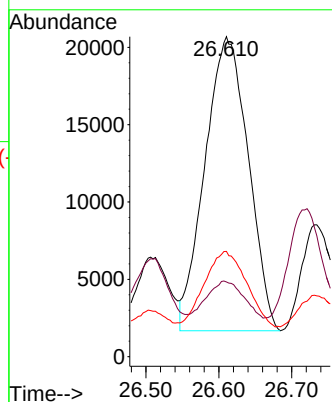
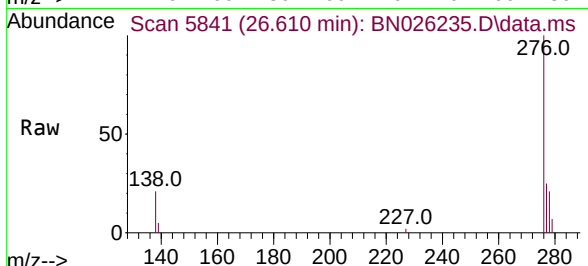
Tgt Ion:278 Resp: 78493

Ion Ratio Lower Upper

278 100

139 23.4 19.0 28.4

279 32.9 26.7 40.1



#29

Benzo(g,h,i)perylene

Concen: 4.693 ng/ul

RT: 27.415 min Scan# 6081

Delta R.T. 0.029 min

Lab File: BN026235.D

Acq: 03 Jul 2023 21:13

Tgt Ion:276 Resp: 303892

Ion Ratio Lower Upper

276 100

138 23.1 23.4 35.0#

277 24.5 20.0 30.0

