

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
 Data File : BN026105.D  
 Acq On : 29 Jun 2023 21:34  
 Operator : MA/JU  
 Sample : 03143-17  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFV4

Quant Time: Jun 30 00:45:50 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 : Wed Jun 28 22:47:20 2023  
 Response via : Initial Calibration

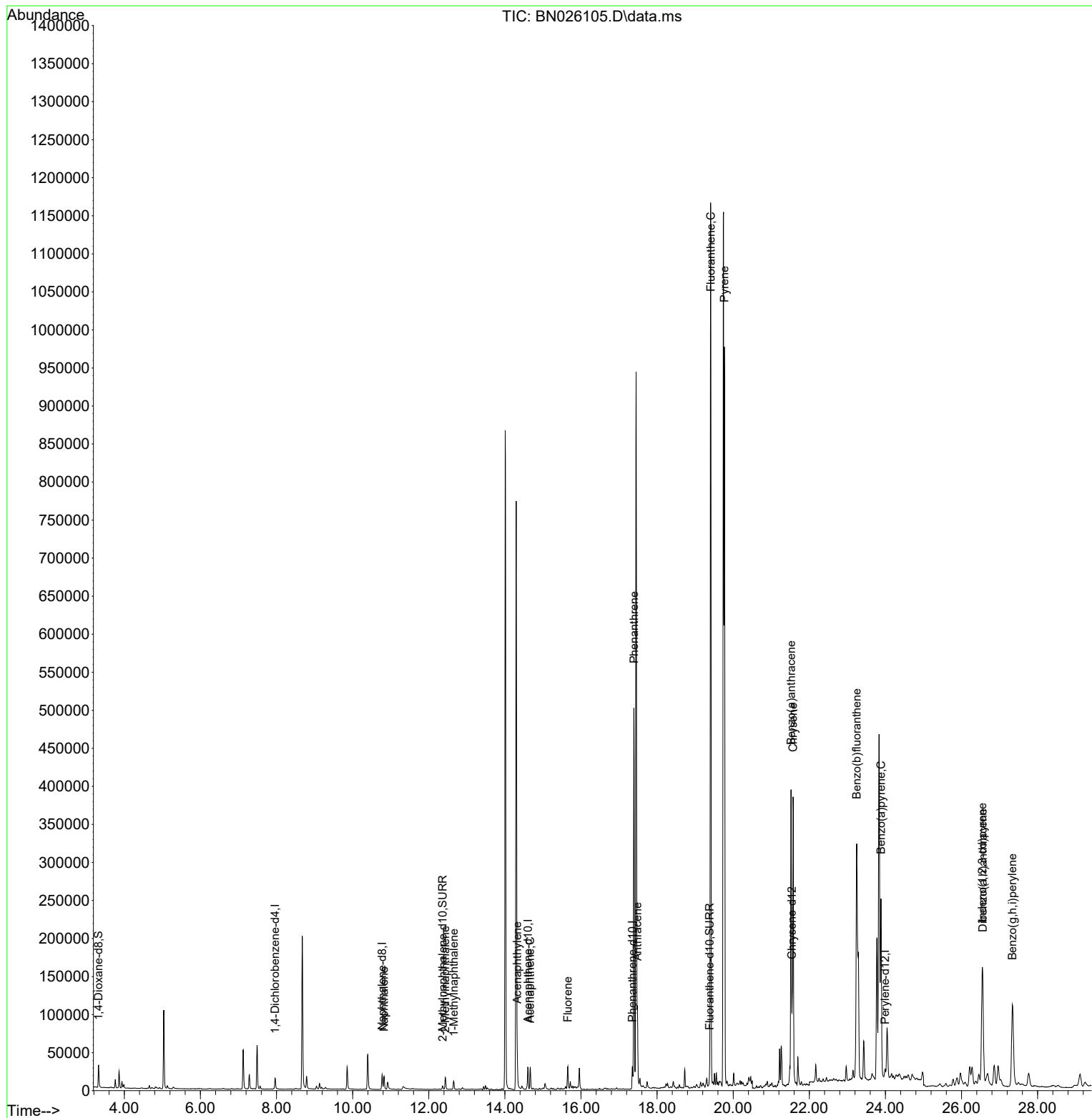
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.963  | 152  | 8290     | 0.400  | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.776 | 136  | 27200    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.607 | 164  | 16593    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.351 | 188  | 34149    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.538 | 240  | 18473    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.990 | 264  | 17014    | 0.400  | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.322  | 96   | 20160    | 2.159  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.365 | 152  | 6529     | 0.156  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.377 | 212  | 13033    | 0.185  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.825 | 128  | 25079    | 0.322  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.436 | 142  | 12056    | 0.243  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.656 | 142  | 8240     | 0.160  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.325 | 152  | 33399    | 0.430  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.667 | 153  | 17520    | 0.276  | ng/ul  | 98       |
| 12) Fluorene                | 15.653 | 166  | 18822    | 0.258  | ng/ul  | 97       |
| 15) Phenanthrene            | 17.393 | 178  | 551431   | 4.889  | ng/ul  | 99       |
| 16) Anthracene              | 17.482 | 178  | 101328   | 1.011  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.410 | 202  | 1048717  | 10.629 | ng/ul  | 96       |
| 20) Pyrene                  | 19.768 | 202  | 809588   | 7.889  | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.520 | 228  | 358219   | 4.701  | ng/ul  | 98       |
| 22) Chrysene                | 21.576 | 228  | 398286   | 5.023  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.245 | 252  | 767257   | 10.566 | ng/ul  | 90       |
| 26) Benzo(a)pyrene          | 23.882 | 252  | 351424   | 5.572  | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.547 | 276  | 287605   | 4.175  | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.557 | 278  | 67786    | 1.300  | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.336 | 276  | 258564   | 4.219  | ng/ul  | 94       |
| -----                       |        |      |          |        |        |          |

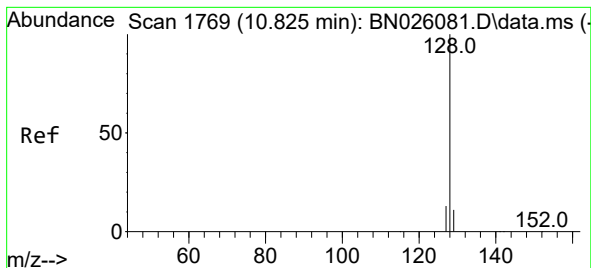
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
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Quant Time: Jun 30 00:45:50 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 : Wed Jun 28 22:47:20 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.322 ng/ul

RT: 10.825 min Scan# 1769

Delta R.T. -0.011 min

Lab File: BN026105.D

Acq: 29 Jun 2023 21:34

Instrument :

BNA\_N

ClientSampleId :

DCFV4

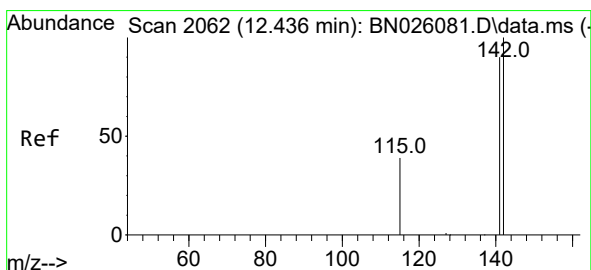
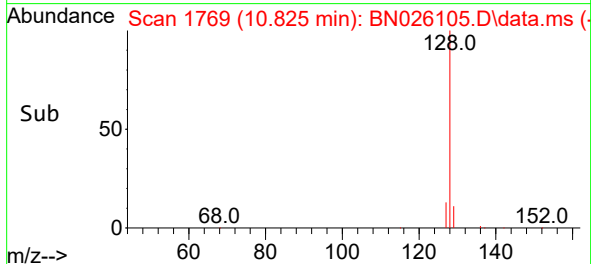
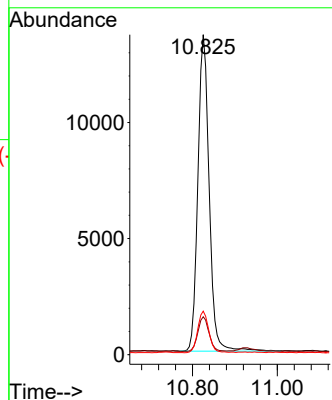
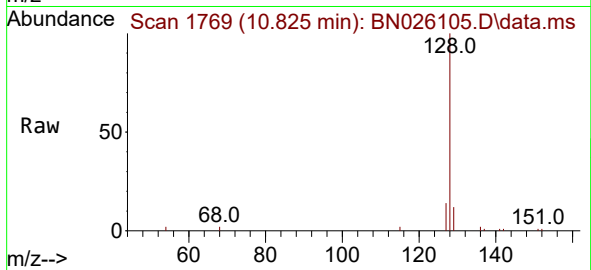
Tgt Ion:128 Resp: 25079

Ion Ratio Lower Upper

128 100

129 11.9 9.1 13.7

127 13.6 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.243 ng/ul

RT: 12.436 min Scan# 2062

Delta R.T. -0.011 min

Lab File: BN026105.D

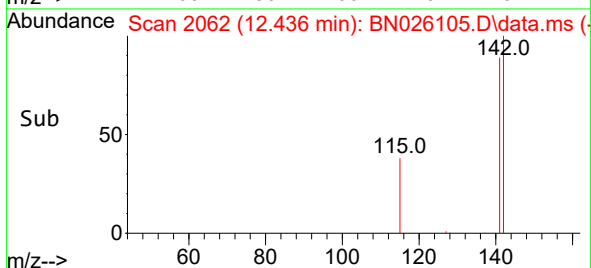
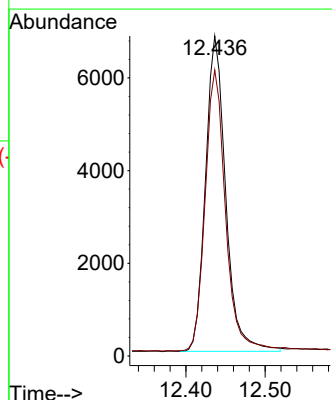
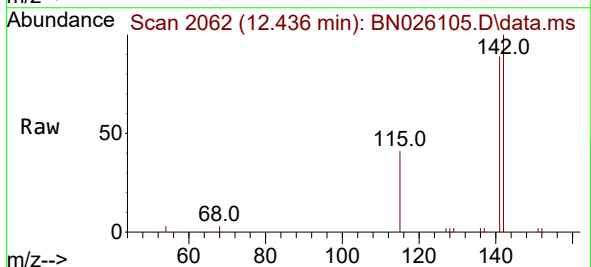
Acq: 29 Jun 2023 21:34

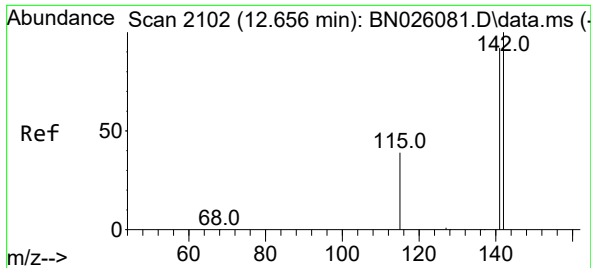
Tgt Ion:142 Resp: 12056

Ion Ratio Lower Upper

142 100

141 89.5 71.9 107.9

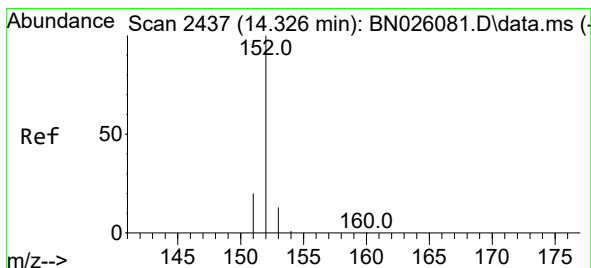
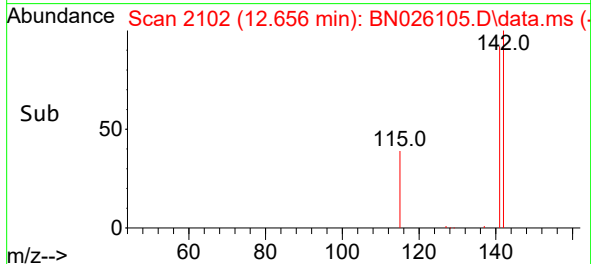
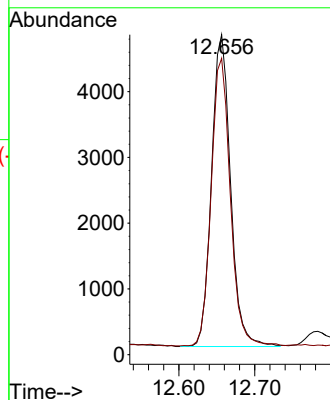
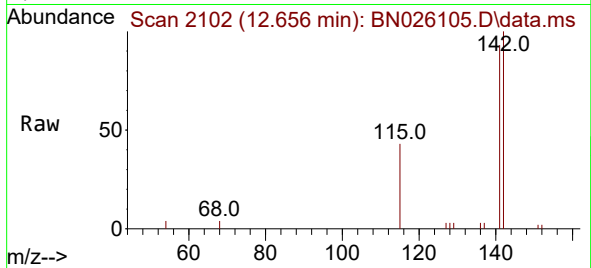




#8  
1-Methylnaphthalene  
Concen: 0.160 ng/ul  
RT: 12.656 min Scan# 2102  
Delta R.T. -0.005 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

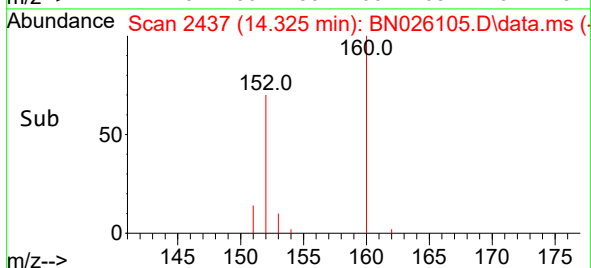
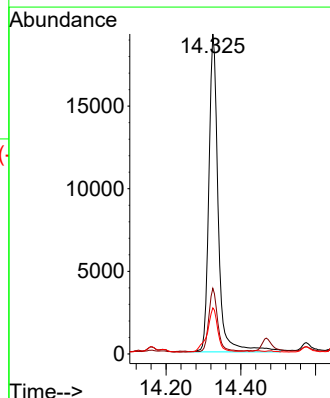
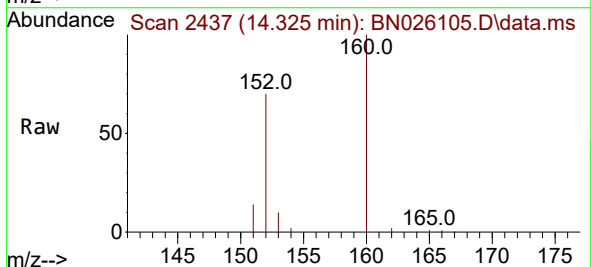
Instrument :  
BNA\_N  
ClientSampleId :  
DCFV4

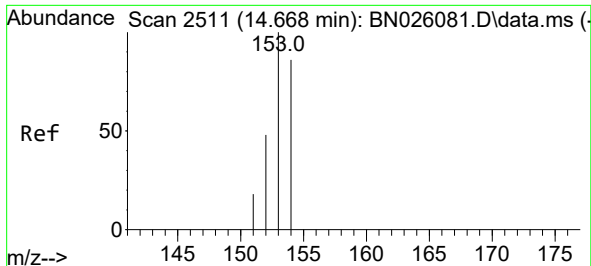
Tgt Ion:142 Resp: 8240  
Ion Ratio Lower Upper  
142 100  
141 92.8 74.2 111.4



#10  
Acenaphthylene  
Concen: 0.430 ng/ul  
RT: 14.325 min Scan# 2437  
Delta R.T. -0.005 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

Tgt Ion:152 Resp: 33399  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.2 24.4  
153 14.4 10.9 16.3

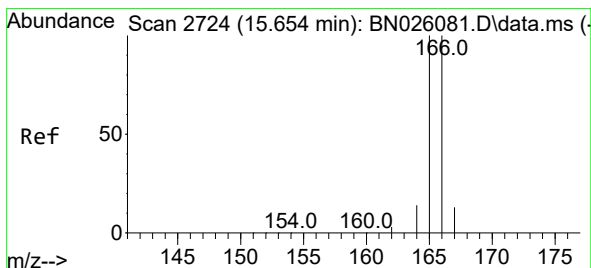
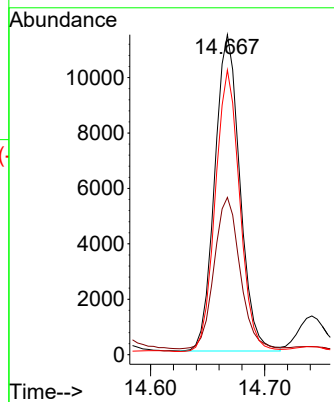
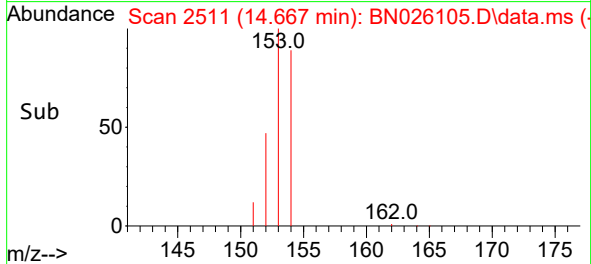
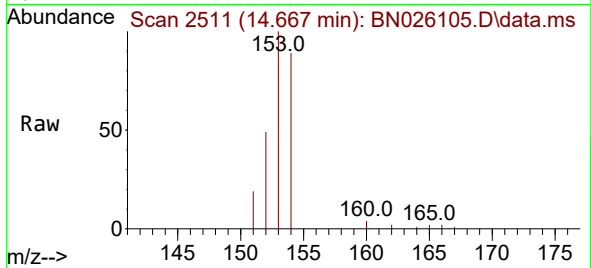




#11  
Acenaphthene  
Concen: 0.276 ng/ul  
RT: 14.667 min Scan# 2511  
Delta R.T. -0.005 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

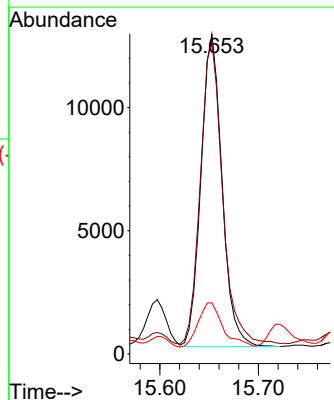
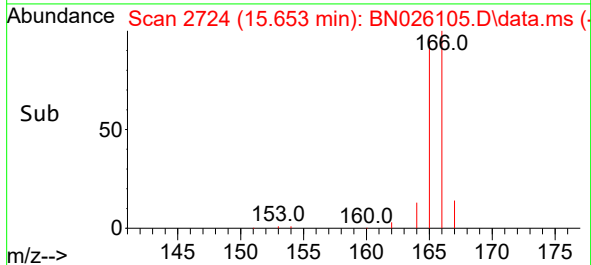
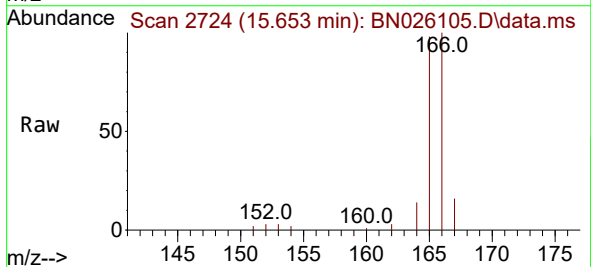
Instrument :  
BNA\_N  
ClientSampleId :  
DCFV4

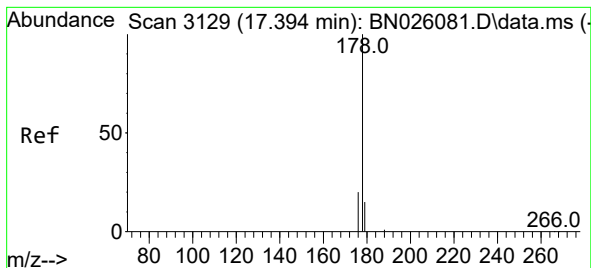
Tgt Ion:153 Resp: 17520  
Ion Ratio Lower Upper  
153 100  
152 49.2 39.4 59.0  
154 89.0 68.9 103.3



#12  
Fluorene  
Concen: 0.258 ng/ul  
RT: 15.653 min Scan# 2724  
Delta R.T. -0.009 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

Tgt Ion:166 Resp: 18822  
Ion Ratio Lower Upper  
166 100  
165 97.7 79.9 119.9  
167 16.0 10.8 16.2





#15

Phenanthrene

Concen: 4.889 ng/ul

RT: 17.393 min Scan# 3129

Delta R.T. -0.008 min

Lab File: BN026105.D

Acq: 29 Jun 2023 21:34

Instrument :

BNA\_N

ClientSampleId :

DCFV4

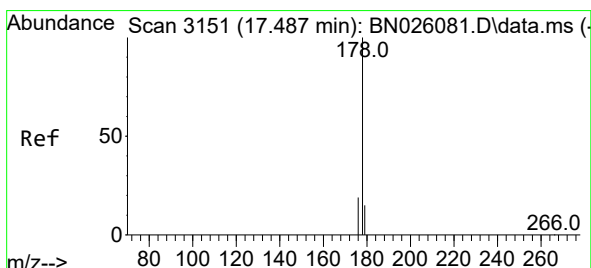
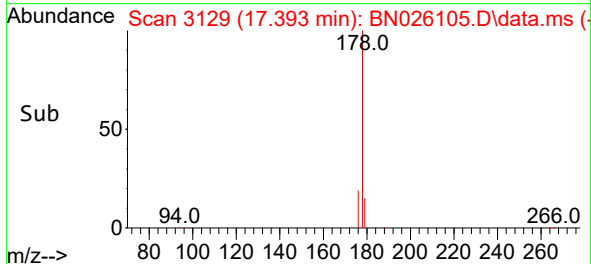
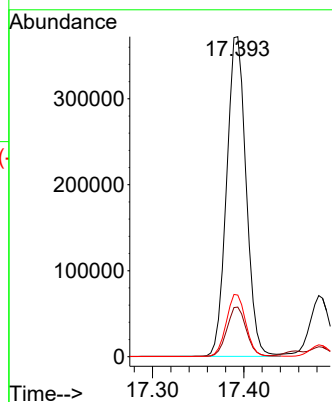
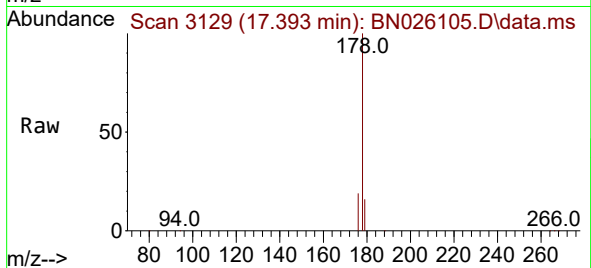
Tgt Ion:178 Resp: 551431

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

176 19.2 15.8 23.6



#16

Anthracene

Concen: 1.011 ng/ul

RT: 17.482 min Scan# 3150

Delta R.T. -0.013 min

Lab File: BN026105.D

Acq: 29 Jun 2023 21:34

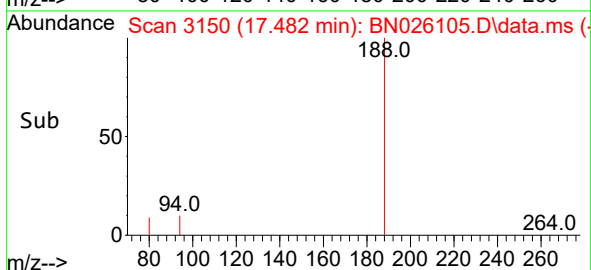
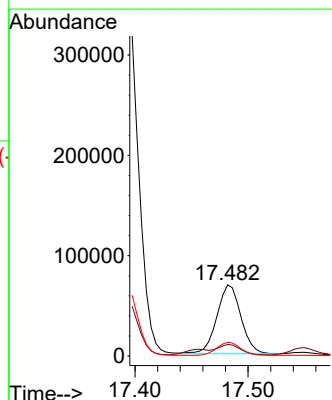
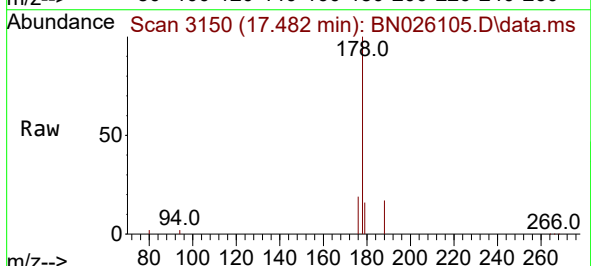
Tgt Ion:178 Resp: 101328

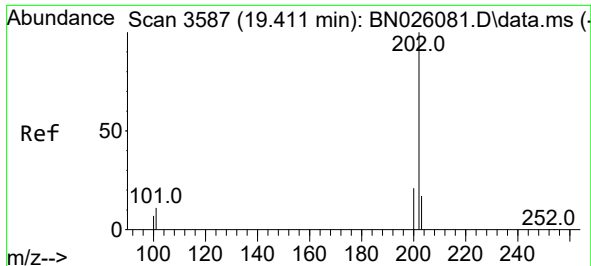
Ion Ratio Lower Upper

178 100

179 16.2 12.6 18.8

176 19.3 15.1 22.7

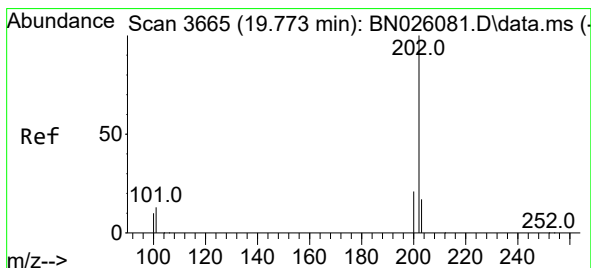
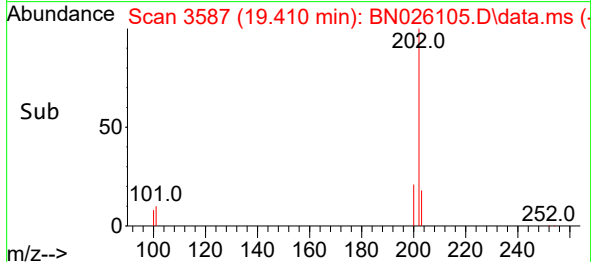
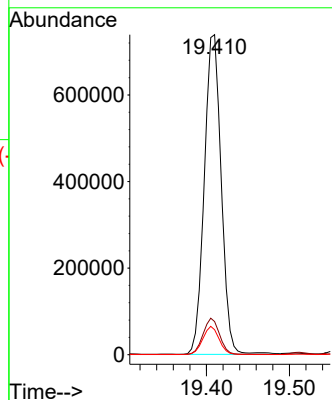
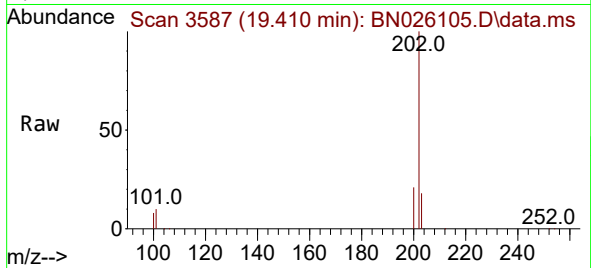




#19  
Fluoranthene  
Concen: 10.629 ng/ul  
RT: 19.410 min Scan# 3587  
Delta R.T. -0.005 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

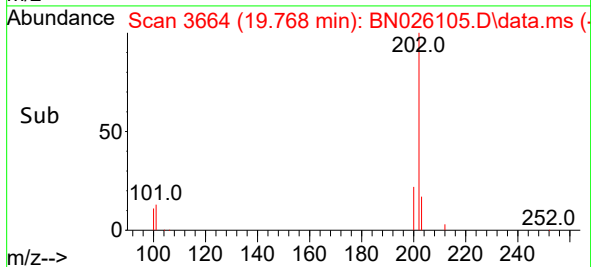
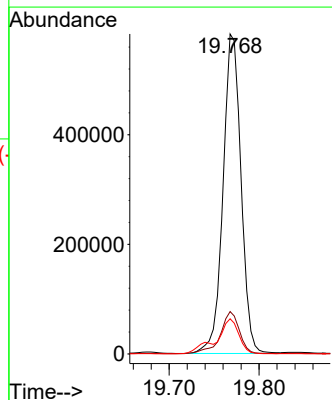
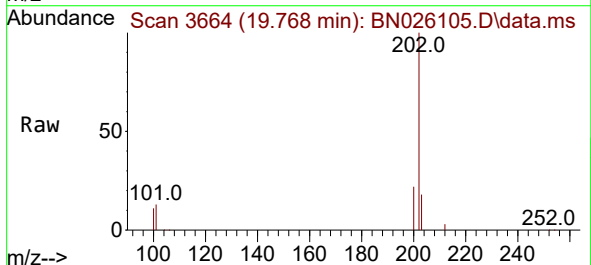
Instrument :  
BNA\_N  
ClientSampleId :  
DCFV4

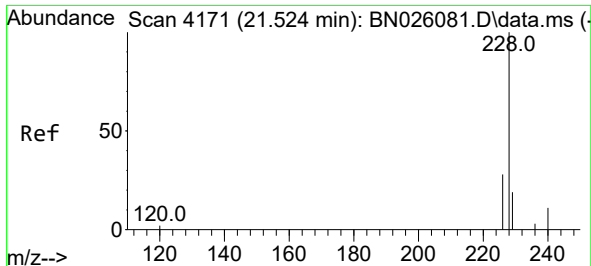
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Ion Ratio Lower Upper  
202 100  
101 10.3 9.5 14.3  
100 7.8 7.3 10.9



#20  
Pyrene  
Concen: 7.889 ng/ul  
RT: 19.768 min Scan# 3664  
Delta R.T. -0.009 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

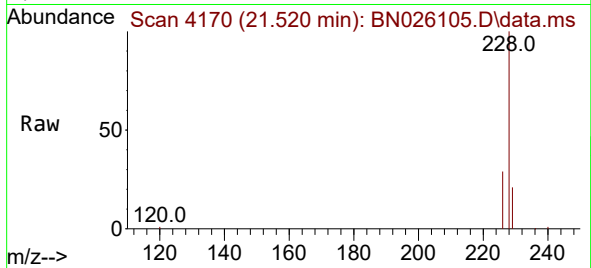
Tgt Ion:202 Resp: 809588  
Ion Ratio Lower Upper  
202 100  
101 13.2 11.4 17.0  
100 11.0 9.1 13.7



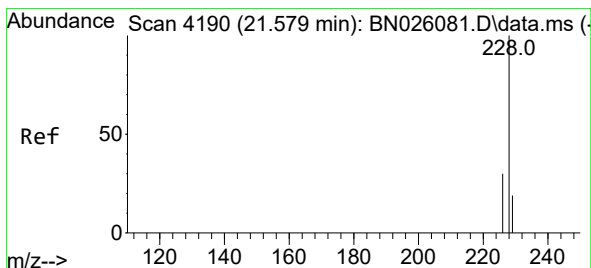
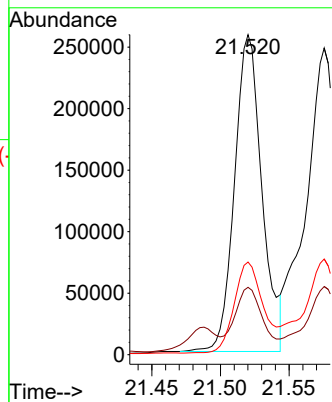
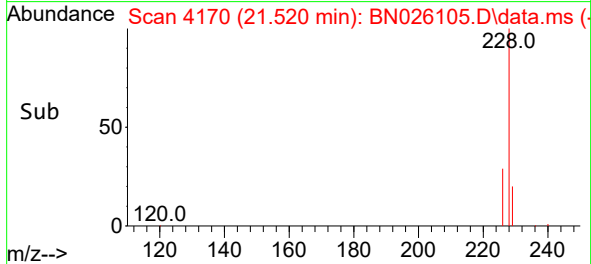


#21  
Benzo(a)anthracene  
Concen: 4.701 ng/ul  
RT: 21.520 min Scan# 4170  
Delta R.T. -0.009 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

Instrument :  
BNA\_N  
ClientSampleId :  
DCFV4

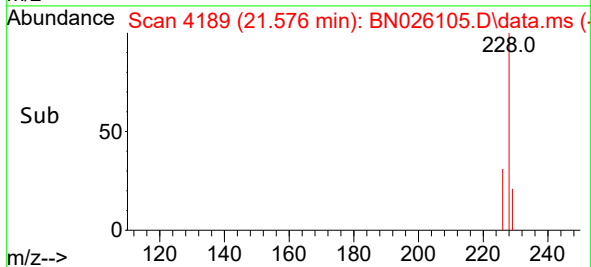
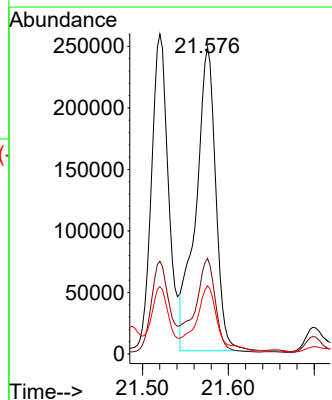
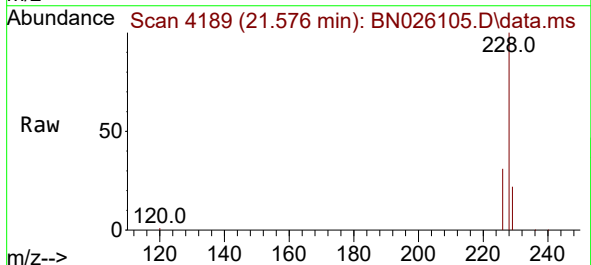


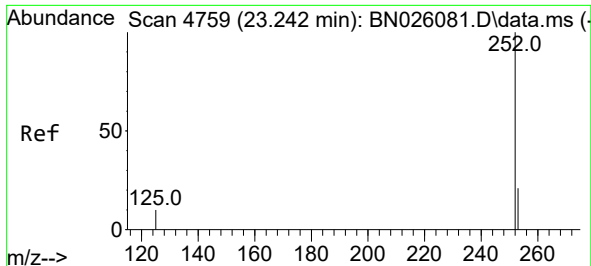
Tgt Ion:228 Resp: 358219  
Ion Ratio Lower Upper  
228 100  
229 21.0 15.8 23.6  
226 28.9 22.5 33.7



#22  
Chrysene  
Concen: 5.023 ng/ul  
RT: 21.576 min Scan# 4189  
Delta R.T. -0.003 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

Tgt Ion:228 Resp: 398286  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.8 37.2  
229 22.2 15.7 23.5

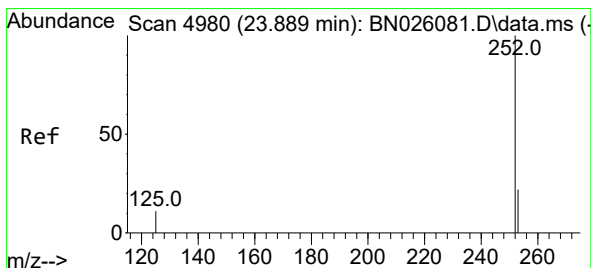
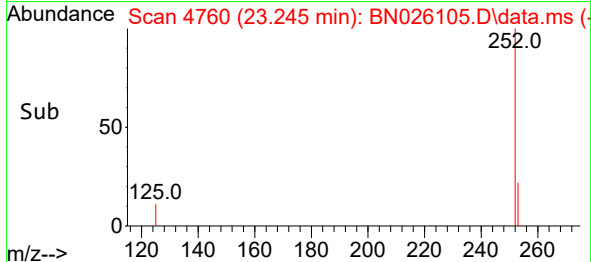
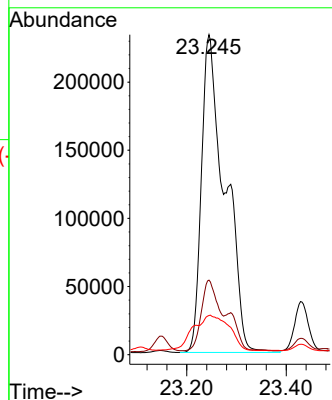
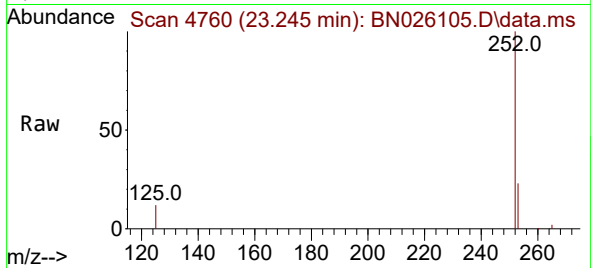




#24  
Benzo(b)fluoranthene  
Concen: 10.566 ng/ul  
RT: 23.245 min Scan# 4759  
Delta R.T. -0.009 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

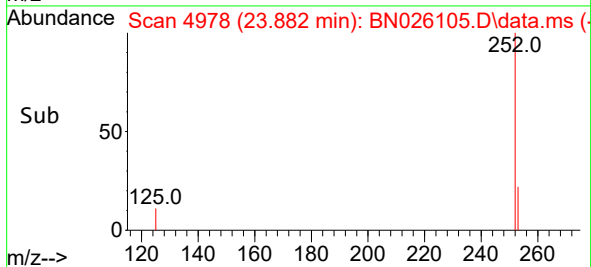
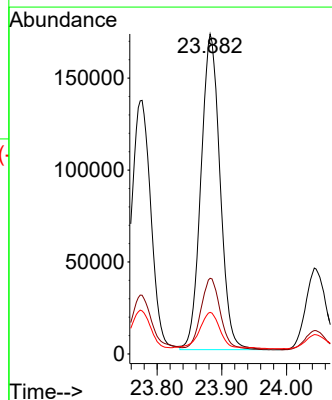
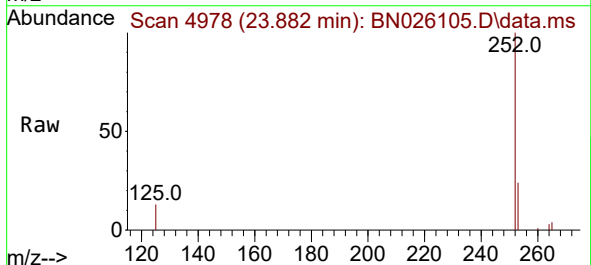
Instrument :  
BNA\_N  
ClientSampleId :  
DCFV4

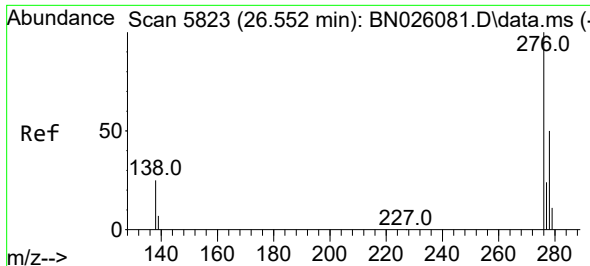
Tgt Ion:252 Resp: 767257  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 55.6  
125 12.3 0.0 35.8



#26  
Benzo(a)pyrene  
Concen: 5.572 ng/ul  
RT: 23.882 min Scan# 4978  
Delta R.T. -0.023 min  
Lab File: BN026105.D  
Acq: 29 Jun 2023 21:34

Tgt Ion:252 Resp: 351424  
Ion Ratio Lower Upper  
252 100  
253 23.6 26.0 39.0#  
125 13.0 17.3 25.9#

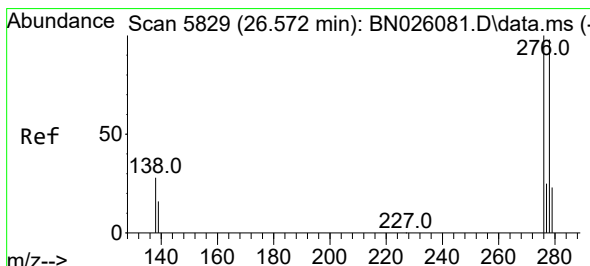
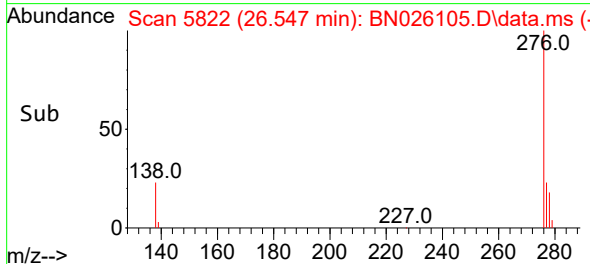
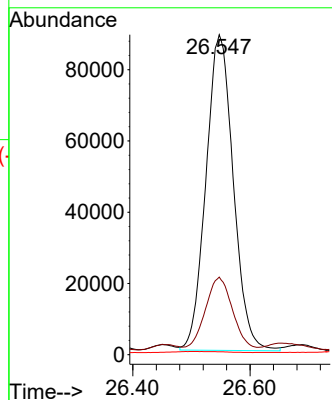
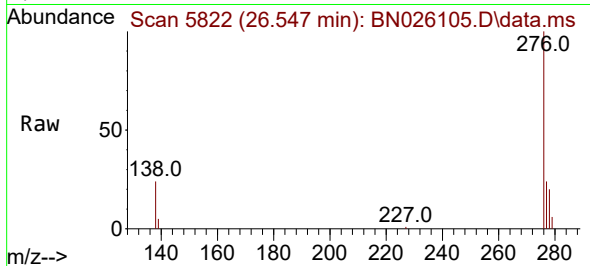




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.175 ng/ul  
 RT: 26.547 min Scan# 5822  
 Delta R.T. -0.047 min  
 Lab File: BN026105.D  
 Acq: 29 Jun 2023 21:34

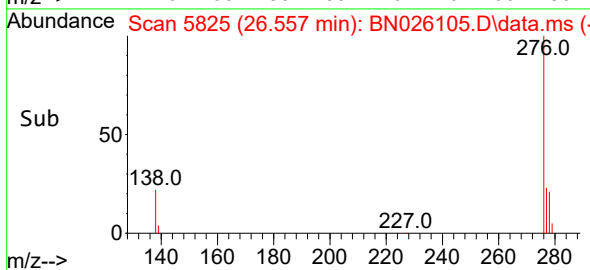
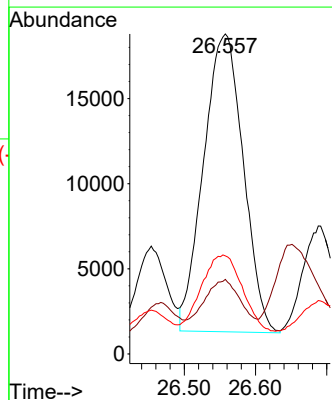
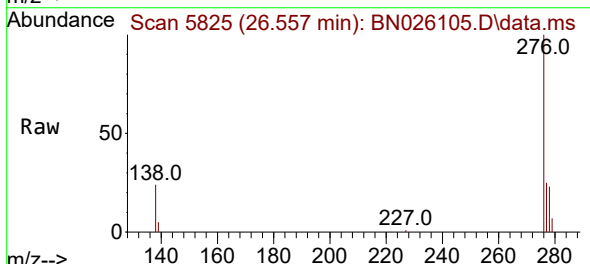
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFV4

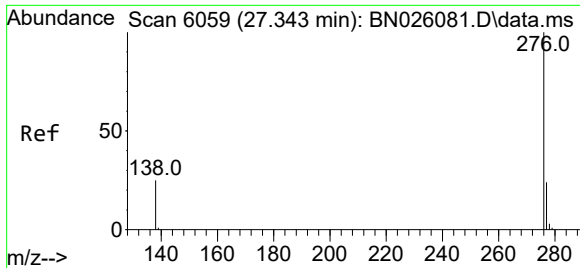
Tgt Ion:276 Resp: 287605  
 Ion Ratio Lower Upper  
 276 100  
 138 23.0 24.5 36.7#  
 227 0.0 0.0 0.0



#28  
 Dibenzo(a,h)anthracene  
 Concen: 1.300 ng/ul  
 RT: 26.557 min Scan# 5825  
 Delta R.T. -0.057 min  
 Lab File: BN026105.D  
 Acq: 29 Jun 2023 21:34

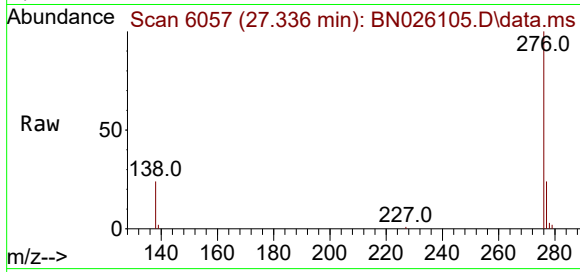
Tgt Ion:278 Resp: 67786  
 Ion Ratio Lower Upper  
 278 100  
 139 23.3 19.0 28.4  
 279 30.6 26.7 40.1





#29  
 Benzo(g,h,i)perylene  
 Concen: 4.219 ng/ul  
 RT: 27.336 min Scan# 6057  
 Delta R.T. -0.050 min  
 Lab File: BN026105.D  
 Acq: 29 Jun 2023 21:34

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFV4



Tgt Ion:276 Resp: 258564

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 24.5  | 23.4  | 35.0  |
| 277 | 23.5  | 20.0  | 30.0  |

