

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042023\  
 Data File : BN025027.D  
 Acq On : 20 Apr 2023 07:45  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Apr 20 08:18:19 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 20 07:57:39 2023  
 Response via : Initial Calibration

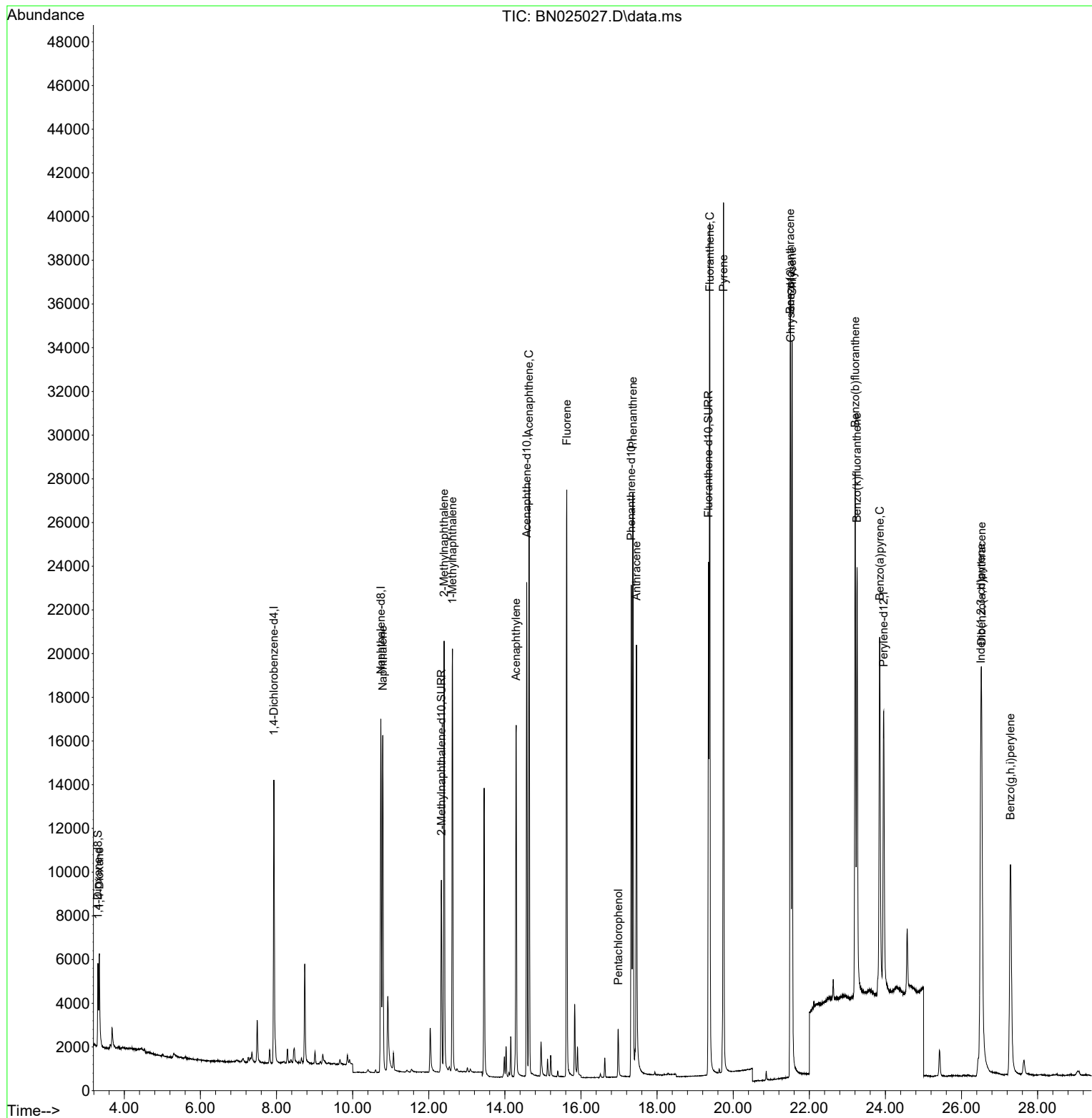
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.930  | 152  | 6992     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.743 | 136  | 21564    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.575 | 164  | 12173    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.321 | 188  | 26677    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.511 | 240  | 21717    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.955 | 264  | 18401    | 0.400 | ng/ul  | 0.01     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.310  | 96   | 2588     | 0.357 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.332 | 152  | 11810    | 0.427 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.349 | 212  | 26779    | 0.468 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.343  | 88   | 2693     | 0.345 | ng/ul  | 94       |
| 5) Naphthalene              | 10.792 | 128  | 21871    | 0.396 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.403 | 142  | 14242    | 0.421 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.623 | 142  | 13547    | 0.376 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.297 | 152  | 19536    | 0.431 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.635 | 153  | 15650    | 0.409 | ng/ul  | 99       |
| 12) Fluorene                | 15.625 | 166  | 17693    | 0.414 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.980 | 266  | 1688     | 0.322 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.364 | 178  | 29686    | 0.394 | ng/ul  | 100      |
| 16) Anthracene              | 17.457 | 178  | 24460    | 0.397 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.382 | 202  | 33321    | 0.424 | ng/ul  | 99       |
| 20) Pyrene                  | 19.744 | 202  | 34402    | 0.426 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.497 | 228  | 26880    | 0.411 | ng/ul  | 99       |
| 22) Chrysene                | 21.546 | 228  | 30279    | 0.424 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.204 | 252  | 29923    | 0.401 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.253 | 252  | 29519    | 0.411 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.853 | 252  | 25211    | 0.408 | ng/ul# | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.507 | 276  | 28746    | 0.404 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.527 | 278  | 22358    | 0.402 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 27.285 | 276  | 23751    | 0.392 | ng/ul  | 99       |

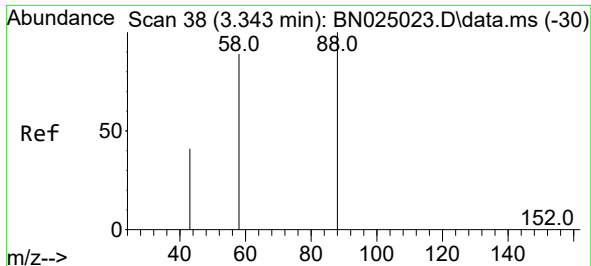
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042023\  
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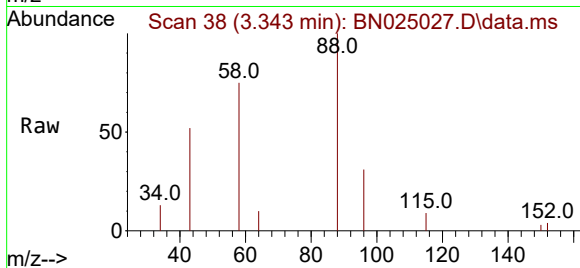
Quant Time: Apr 20 08:18:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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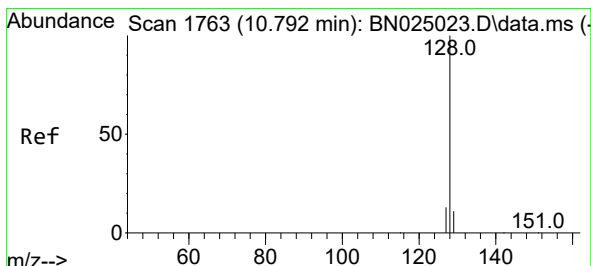
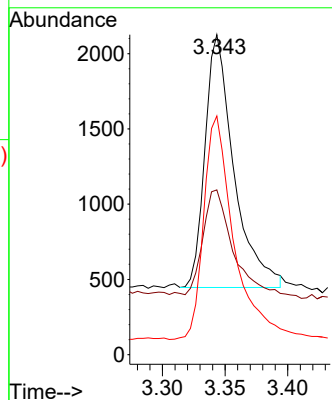
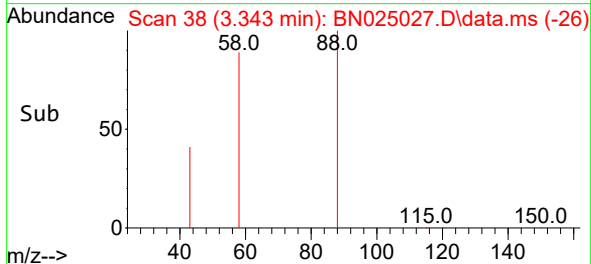


#2  
 1,4-Dioxane  
 Concen: 0.345 ng/ul  
 RT: 3.343 min Scan# 38  
 Delta R.T. 0.000 min  
 Lab File: BN025027.D  
 Acq: 20 Apr 2023 07:45

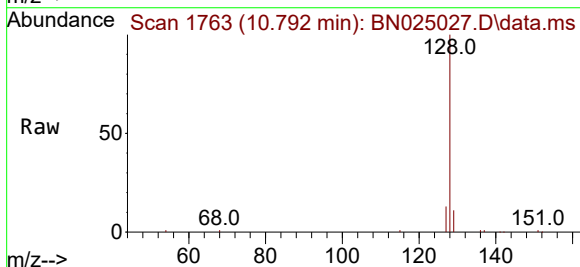
Instrument :  
 BNA\_N  
 ClientSampleId :



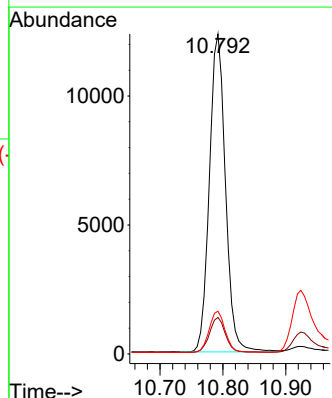
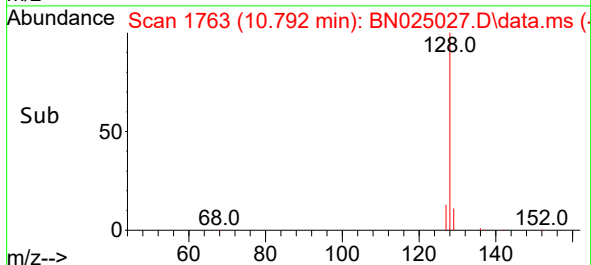
Tgt Ion: 88 Resp: 2693  
 Ion Ratio Lower Upper  
 88 100  
 43 51.5 37.0 55.4  
 58 74.6 56.9 85.3

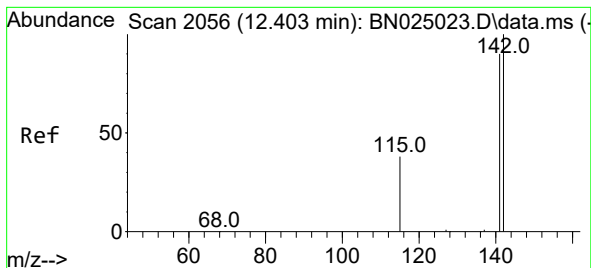


#5  
 Naphthalene  
 Concen: 0.396 ng/ul  
 RT: 10.792 min Scan# 1763  
 Delta R.T. 0.000 min  
 Lab File: BN025027.D  
 Acq: 20 Apr 2023 07:45



Tgt Ion: 128 Resp: 21871  
 Ion Ratio Lower Upper  
 128 100  
 129 11.4 9.0 13.6  
 127 13.4 10.7 16.1

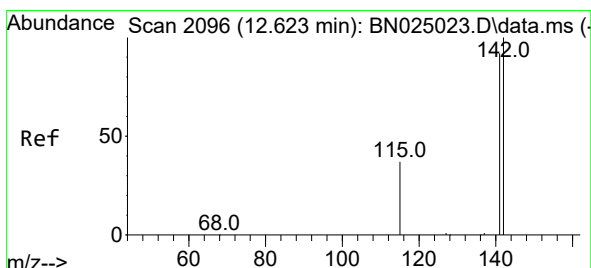
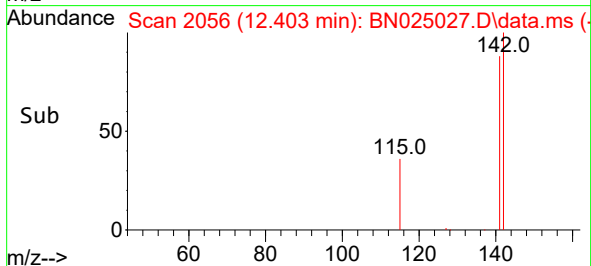
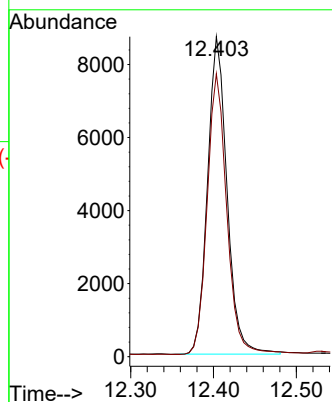
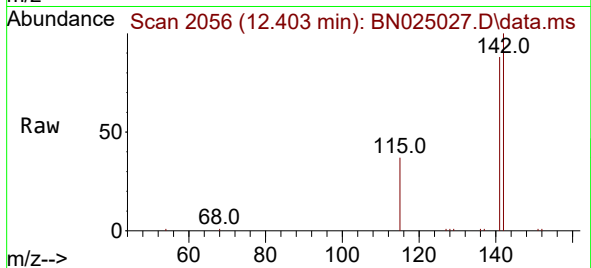




#7  
2-Methylnaphthalene  
Concen: 0.421 ng/ul  
RT: 12.403 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

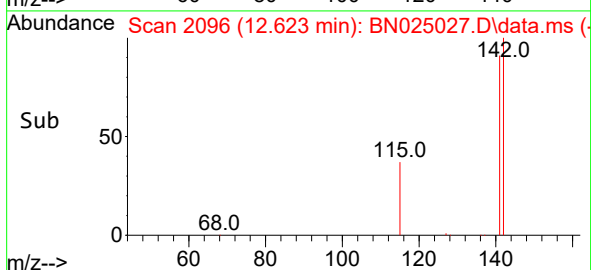
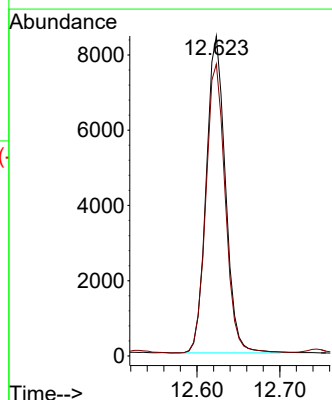
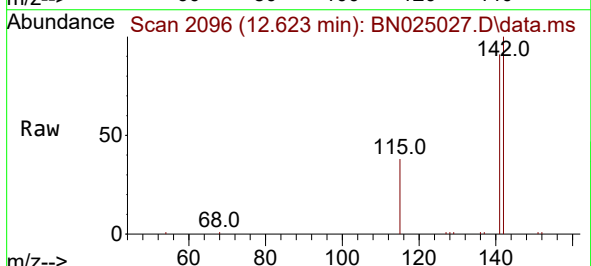
Instrument :  
BNA\_N  
ClientSampleId :

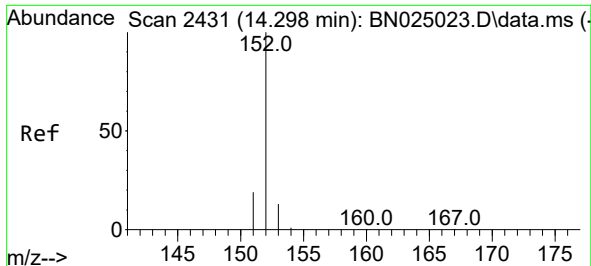
Tgt Ion:142 Resp: 14242  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.4 107.0



#8  
1-Methylnaphthalene  
Concen: 0.376 ng/ul  
RT: 12.623 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

Tgt Ion:142 Resp: 13547  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.8 110.6

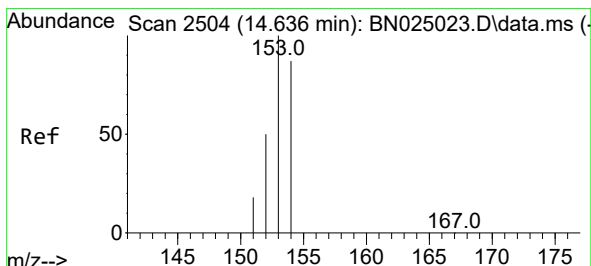
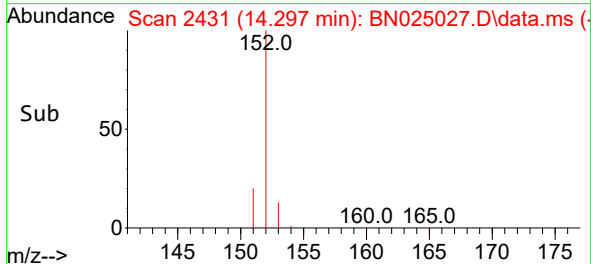
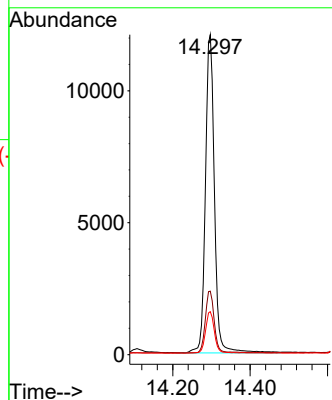
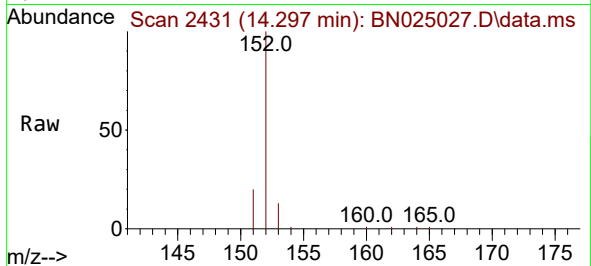




#10  
Acenaphthylene  
Concen: 0.431 ng/ul  
RT: 14.297 min Scan# 2431  
Delta R.T. -0.001 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

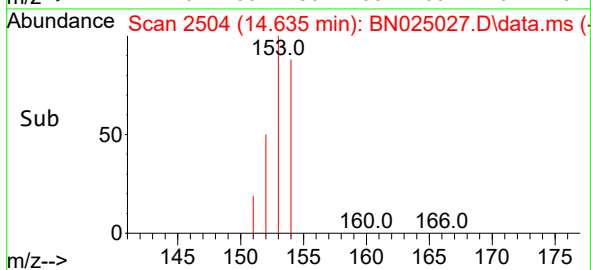
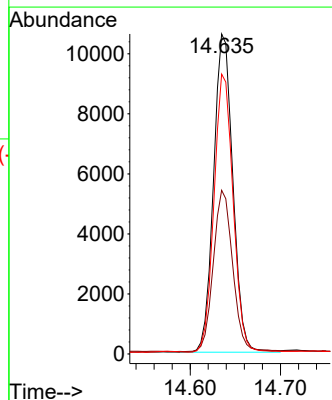
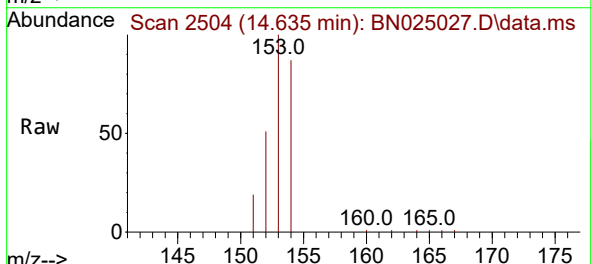
Instrument :  
BNA\_N  
ClientSampleId :

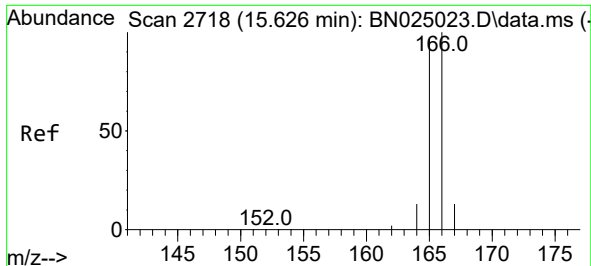
Tgt Ion:152 Resp: 19536  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.0 24.0  
153 13.4 10.8 16.2



#11  
Acenaphthene  
Concen: 0.409 ng/ul  
RT: 14.635 min Scan# 2504  
Delta R.T. -0.001 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

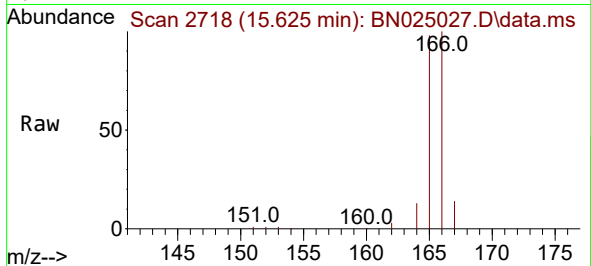
Tgt Ion:153 Resp: 15650  
Ion Ratio Lower Upper  
153 100  
152 51.2 40.2 60.4  
154 87.5 69.4 104.2



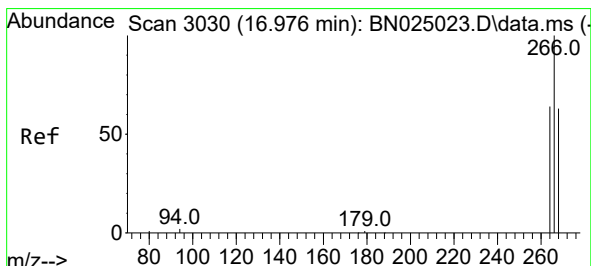
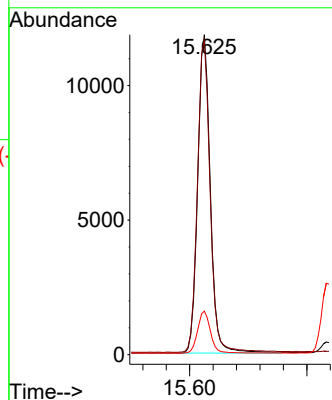
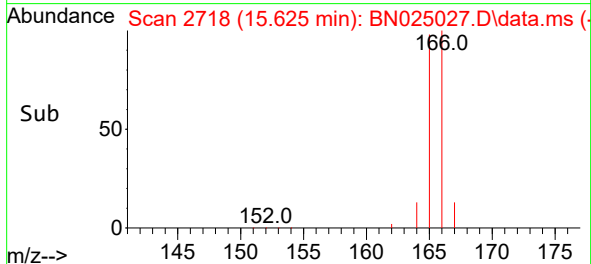


#12  
Fluorene  
Concen: 0.414 ng/ul  
RT: 15.625 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

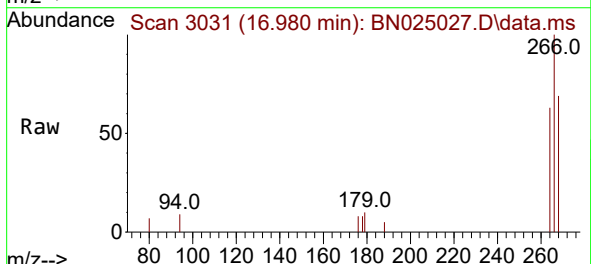
Instrument :  
BNA\_N  
ClientSampleId :



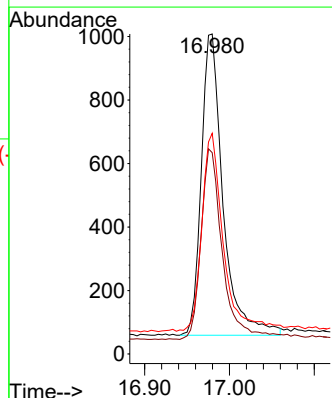
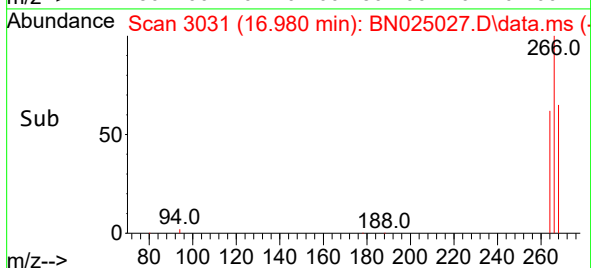
Tgt Ion:166 Resp: 17693  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.1 117.1  
167 13.6 11.0 16.6

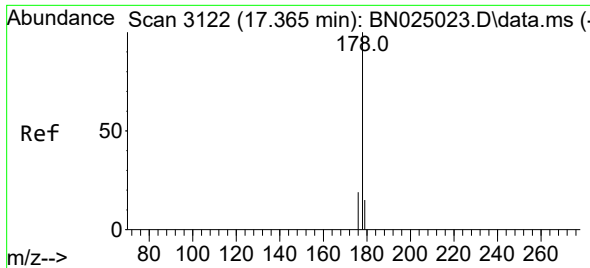


#14  
Pentachlorophenol  
Concen: 0.322 ng/ul  
RT: 16.980 min Scan# 3031  
Delta R.T. 0.003 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45



Tgt Ion:266 Resp: 1688  
Ion Ratio Lower Upper  
266 100  
264 62.4 49.6 74.4  
268 64.7 51.3 76.9

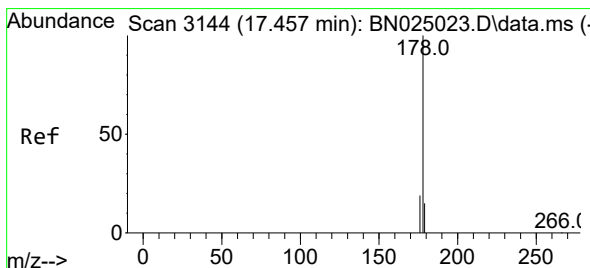
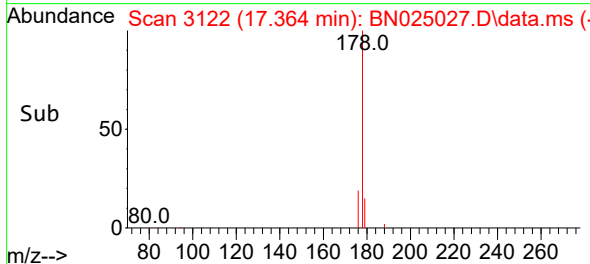
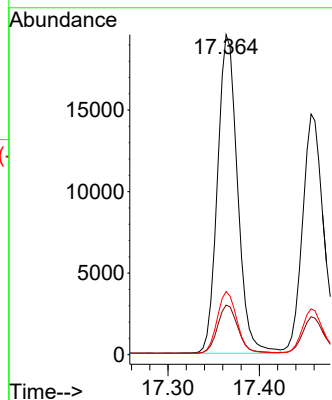
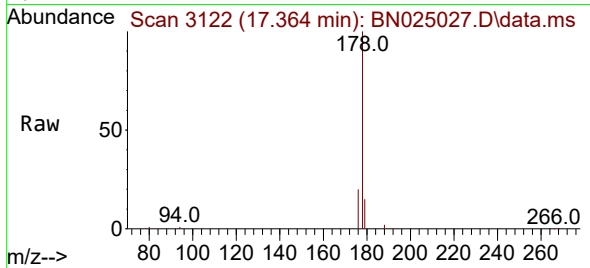




#15  
Phenanthrene  
Concen: 0.394 ng/ul  
RT: 17.364 min Scan# 3122  
Delta R.T. -0.001 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

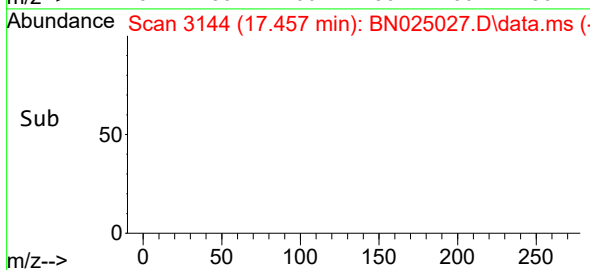
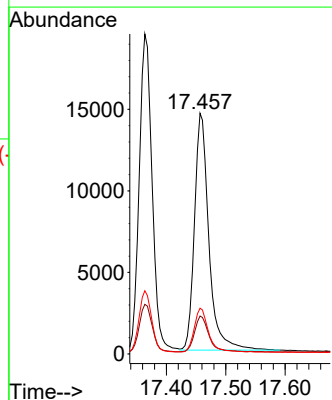
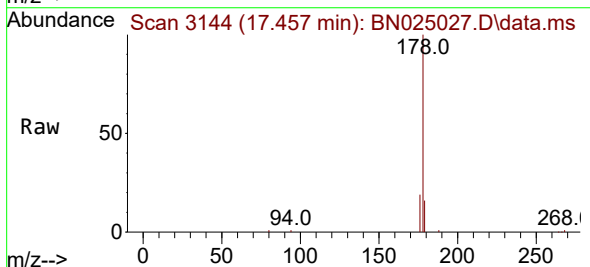
Instrument :  
BNA\_N  
ClientSampleId :

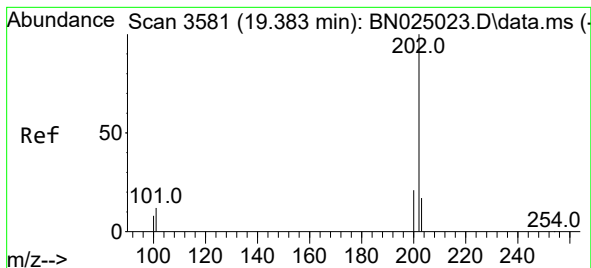
Tgt Ion:178 Resp: 29686  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.5 18.7  
176 19.7 15.6 23.4



#16  
Anthracene  
Concen: 0.397 ng/ul  
RT: 17.457 min Scan# 3144  
Delta R.T. -0.001 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

Tgt Ion:178 Resp: 24460  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.7 19.1  
176 19.0 15.3 22.9





#19

Fluoranthene

Concen: 0.424 ng/ul

RT: 19.382 min Scan# 3581

Delta R.T. -0.001 min

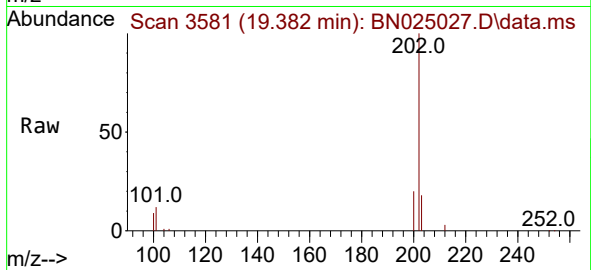
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Acq: 20 Apr 2023 07:45

Instrument :

BNA\_N

ClientSampleId :



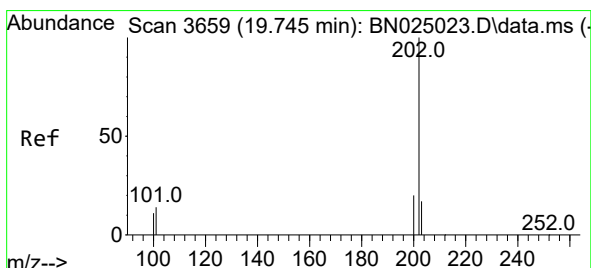
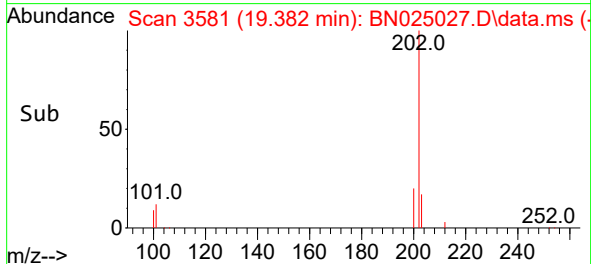
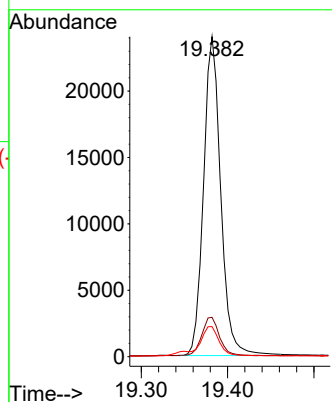
Tgt Ion:202 Resp: 33321

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

100 9.4 7.3 10.9



#20

Pyrene

Concen: 0.426 ng/ul

RT: 19.744 min Scan# 3659

Delta R.T. -0.001 min

Lab File: BN025027.D

Acq: 20 Apr 2023 07:45

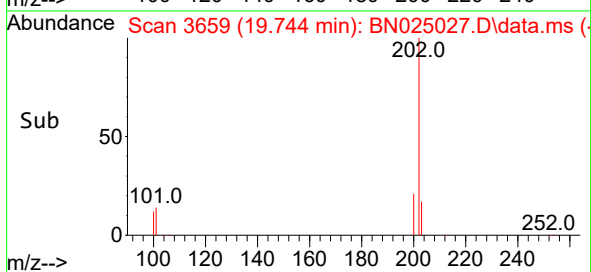
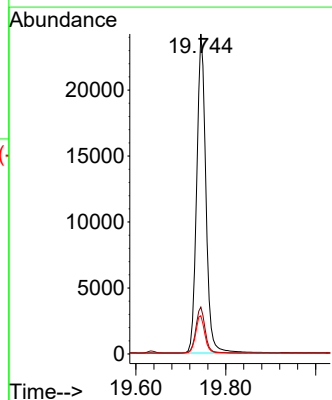
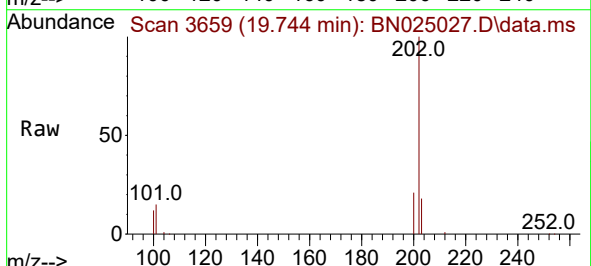
Tgt Ion:202 Resp: 34402

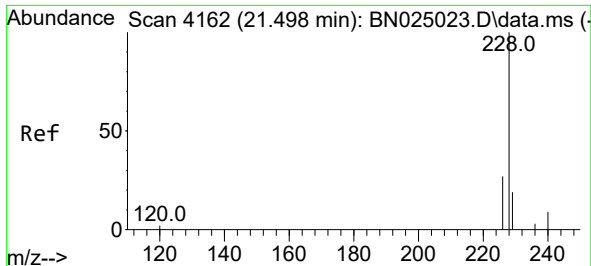
Ion Ratio Lower Upper

202 100

101 14.6 11.3 16.9

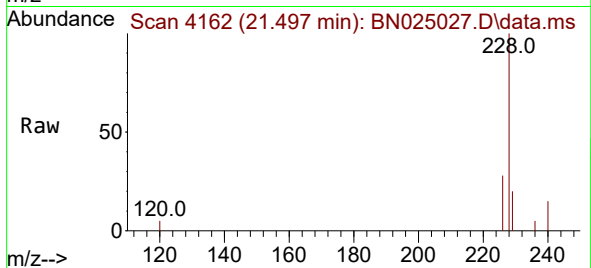
100 11.9 9.2 13.8



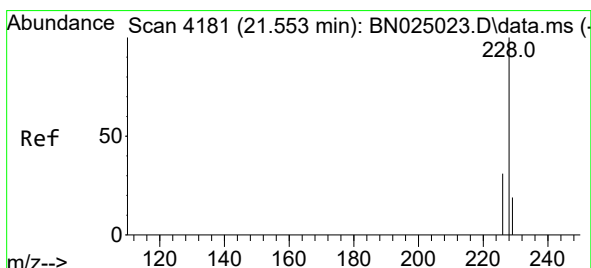
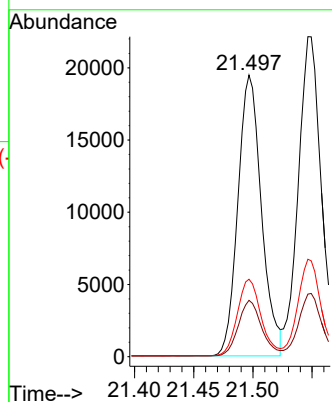
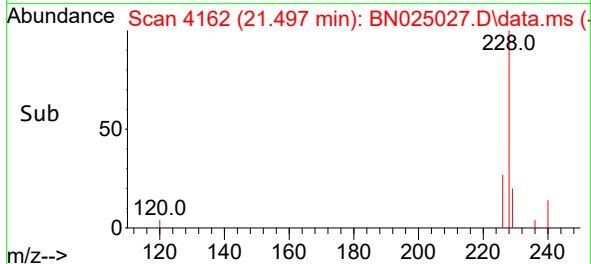


#21  
Benzo(a)anthracene  
Concen: 0.411 ng/ul  
RT: 21.497 min Scan# 411  
Delta R.T. -0.001 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

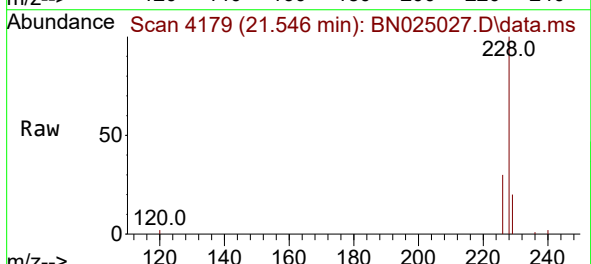
Instrument :  
BNA\_N  
ClientSampleId :



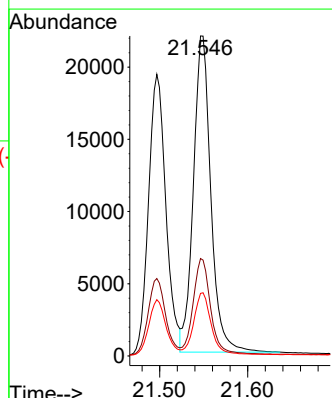
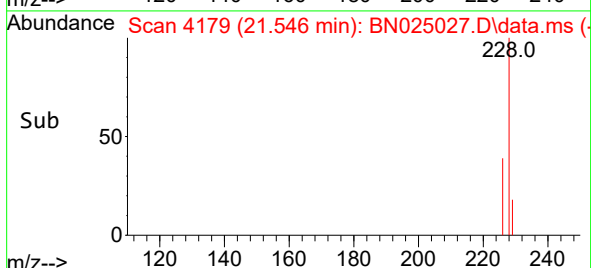
Tgt Ion:228 Resp: 26880  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.6 23.4  
226 27.5 22.1 33.1

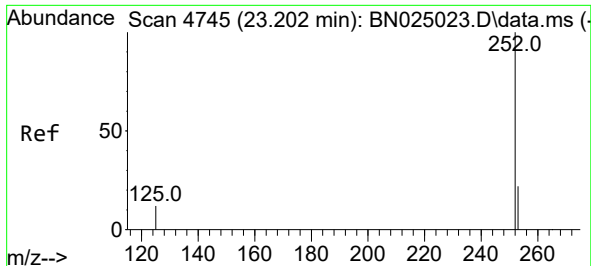


#22  
Chrysene  
Concen: 0.424 ng/ul  
RT: 21.546 min Scan# 4179  
Delta R.T. -0.007 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45



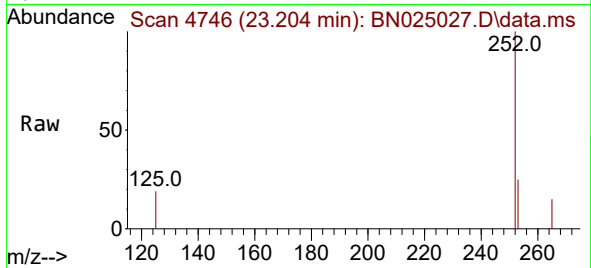
Tgt Ion:228 Resp: 30279  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.5 36.7  
229 19.5 15.8 23.6



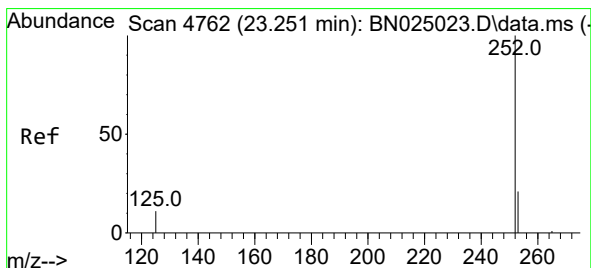
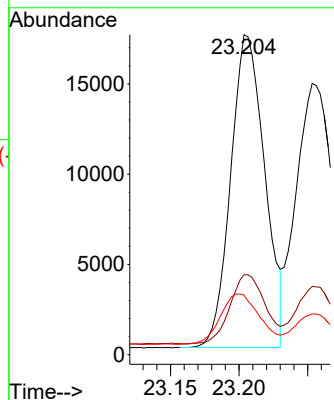


#24  
Benzo(b)fluoranthene  
Concen: 0.401 ng/ul  
RT: 23.204 min Scan# 4746  
Delta R.T. 0.002 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

Instrument :  
BNA\_N  
ClientSampleId :

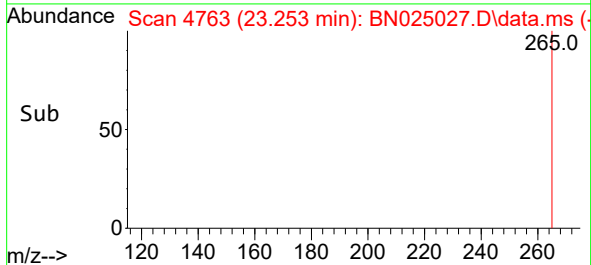
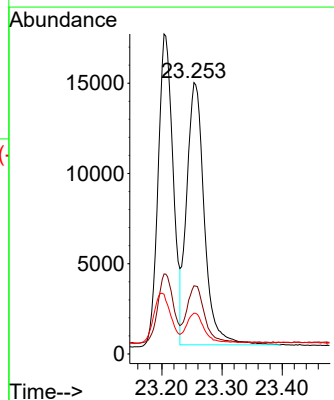
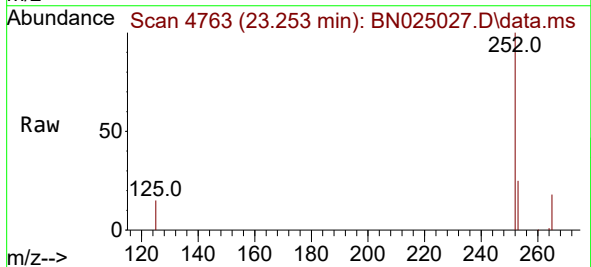


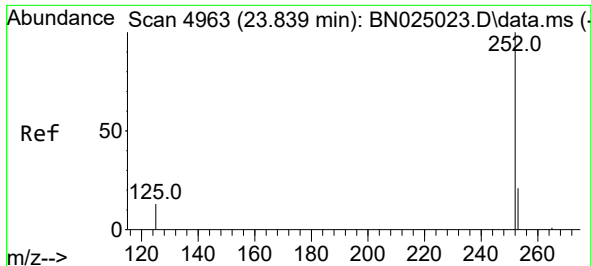
Tgt Ion:252 Resp: 29923  
Ion Ratio Lower Upper  
252 100  
253 25.0 0.0 50.2  
125 18.6 0.0 30.4



#25  
Benzo(k)fluoranthene  
Concen: 0.411 ng/ul  
RT: 23.253 min Scan# 4763  
Delta R.T. 0.002 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

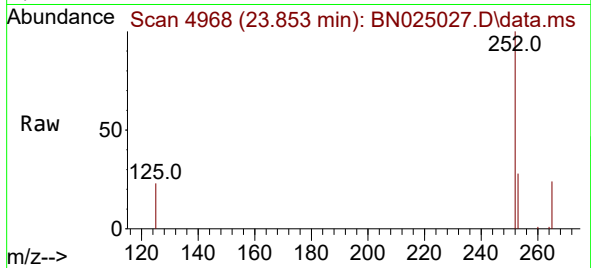
Tgt Ion:252 Resp: 29519  
Ion Ratio Lower Upper  
252 100  
253 25.1 20.2 30.4  
125 15.0 11.8 17.8



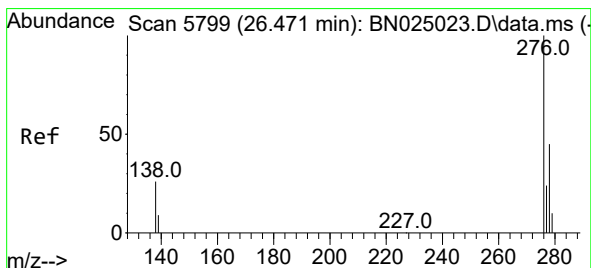
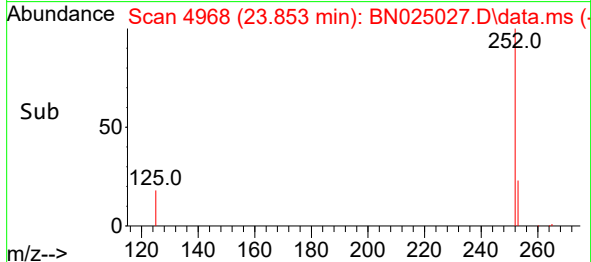
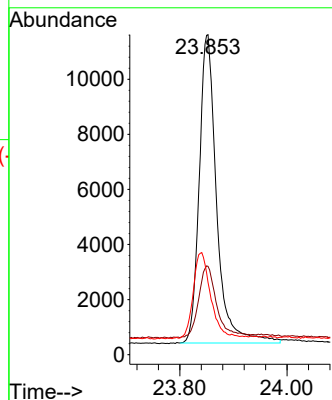


#26  
Benzo(a)pyrene  
Concen: 0.408 ng/ul  
RT: 23.853 min Scan# 4968  
Delta R.T. 0.014 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

Instrument :  
BNA\_N  
ClientSampleId :

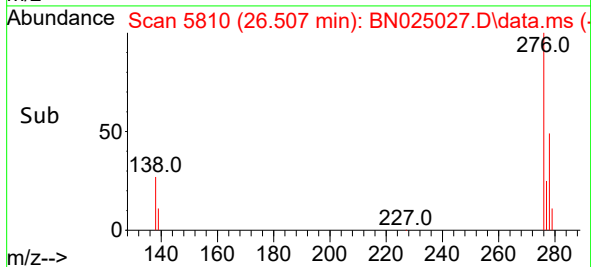
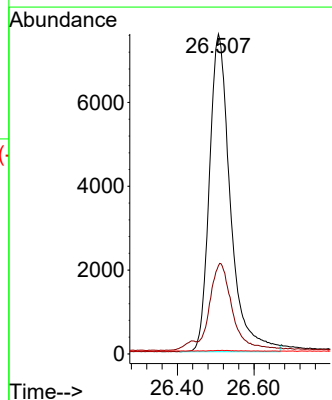
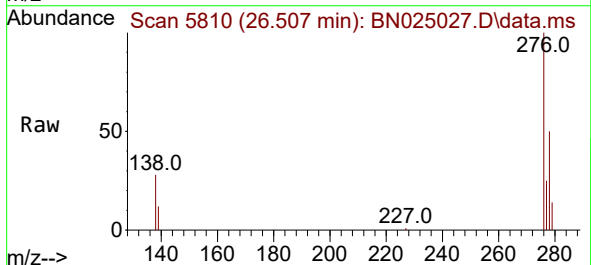


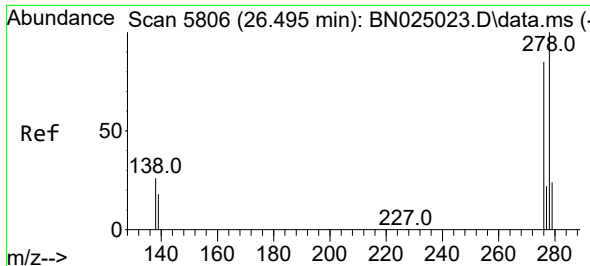
Tgt Ion:252 Resp: 25211  
Ion Ratio Lower Upper  
252 100  
253 27.6 21.4 32.2  
125 22.5 14.6 22.0#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.404 ng/ul  
RT: 26.507 min Scan# 5810  
Delta R.T. 0.036 min  
Lab File: BN025027.D  
Acq: 20 Apr 2023 07:45

Tgt Ion:276 Resp: 28746  
Ion Ratio Lower Upper  
276 100  
138 27.7 21.9 32.9  
227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.402 ng/ul

RT: 26.527 min Scan# 51

Delta R.T. 0.033 min

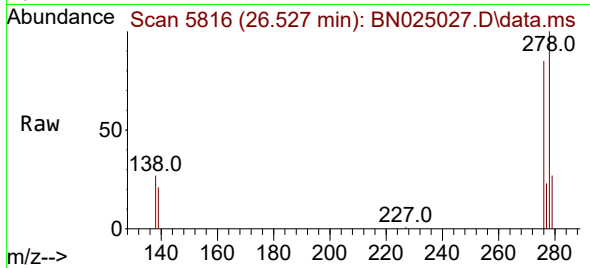
Lab File: BN025027.D

Acq: 20 Apr 2023 07:45

Instrument :

BNA\_N

ClientSampleId :



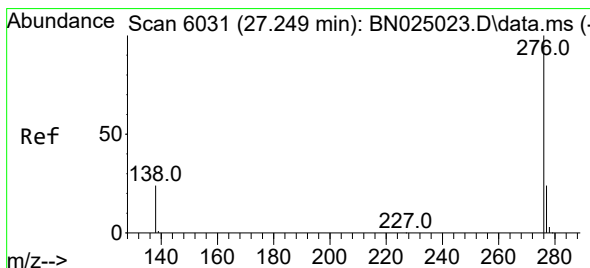
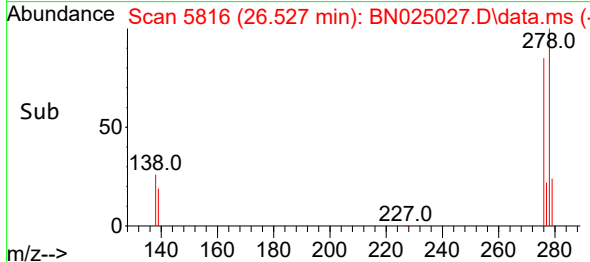
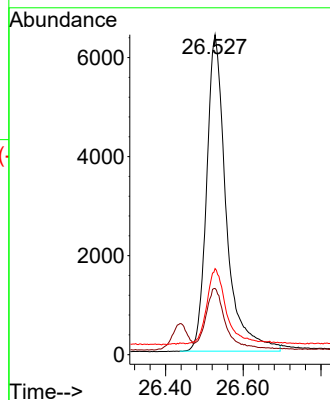
Tgt Ion:278 Resp: 22358

Ion Ratio Lower Upper

278 100

139 20.7 17.0 25.6

279 26.9 21.8 32.8



#29

Benzo(g,h,i)perylene

Concen: 0.392 ng/ul

RT: 27.285 min Scan# 6042

Delta R.T. 0.036 min

Lab File: BN025027.D

Acq: 20 Apr 2023 07:45

Tgt Ion:276 Resp: 23751

Ion Ratio Lower Upper

276 100

138 25.9 20.3 30.5

277 25.4 19.8 29.6

