

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040723\  
 Data File : BN024817.D  
 Acq On : 07 Apr 2023 18:44  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV208

Quant Time: Apr 08 00:54:19 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN040723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 08 00:52:14 2023  
 Response via : Initial Calibration

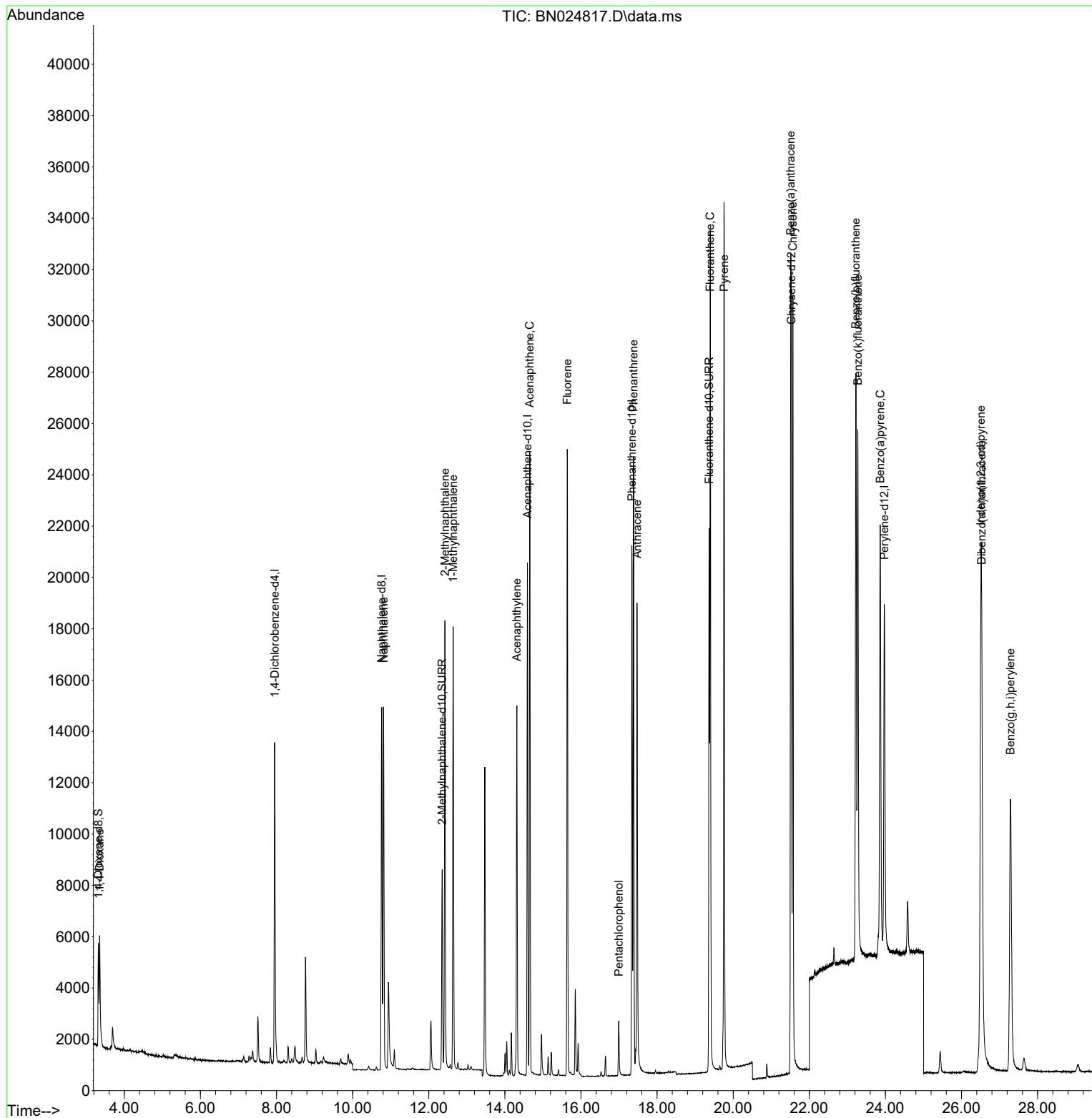
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.951  | 152  | 6499     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.765 | 136  | 19148    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.593 | 164  | 10774    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.338 | 188  | 23496    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.529 | 240  | 20678    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.973 | 264  | 20164    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.318  | 96   | 2594     | 0.366 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.354 | 152  | 10563    | 0.430 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.368 | 212  | 22815    | 0.444 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.352  | 88   | 2809     | 0.359 | ng/ul  | 95       |
| 5) Naphthalene              | 10.814 | 128  | 19517    | 0.400 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.425 | 142  | 12747    | 0.420 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.640 | 142  | 12051    | 0.375 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.316 | 152  | 16908    | 0.418 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.653 | 153  | 13836    | 0.399 | ng/ul  | 100      |
| 12) Fluorene                | 15.639 | 166  | 15710    | 0.405 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.992 | 266  | 1553     | 0.310 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.381 | 178  | 25994    | 0.393 | ng/ul  | 100      |
| 16) Anthracene              | 17.473 | 178  | 21520    | 0.391 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.396 | 202  | 28622    | 0.402 | ng/ul  | 98       |
| 20) Pyrene                  | 19.763 | 202  | 29643    | 0.406 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.511 | 228  | 26571    | 0.407 | ng/ul  | 99       |
| 22) Chrysene                | 21.567 | 228  | 28916    | 0.409 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.224 | 252  | 31658    | 0.391 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.274 | 252  | 30273    | 0.384 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.864 | 252  | 26889    | 0.401 | ng/ul# | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.510 | 276  | 31546    | 0.399 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.531 | 278  | 24552    | 0.395 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 27.285 | 276  | 25984    | 0.388 | ng/ul  | 99       |

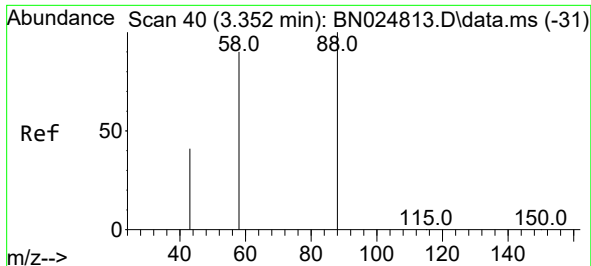
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040723\  
Data File : BN024817.D  
Acq On : 07 Apr 2023 18:44  
Operator : CG/JU  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

Quant Time: Apr 08 00:54:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN040723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Apr 08 00:52:14 2023  
Response via : Initial Calibration

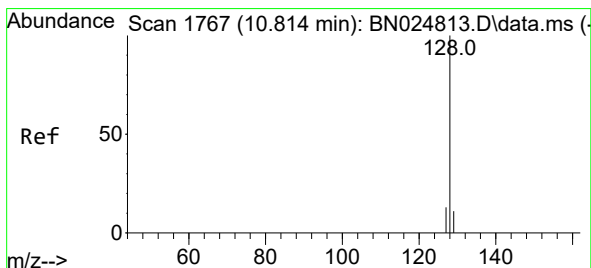
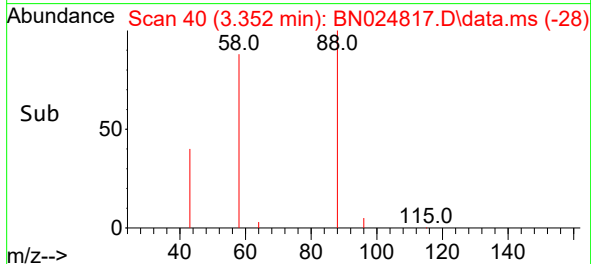
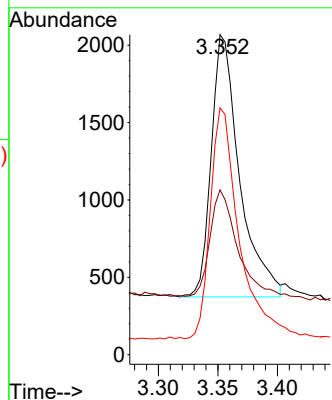
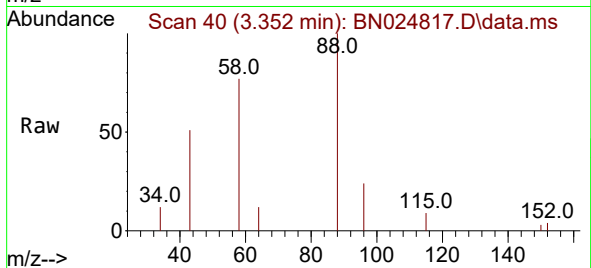




#2  
 1,4-Dioxane  
 Concen: 0.359 ng/ul  
 RT: 3.352 min Scan# 40  
 Delta R.T. -0.000 min  
 Lab File: BN024817.D  
 Acq: 07 Apr 2023 18:44

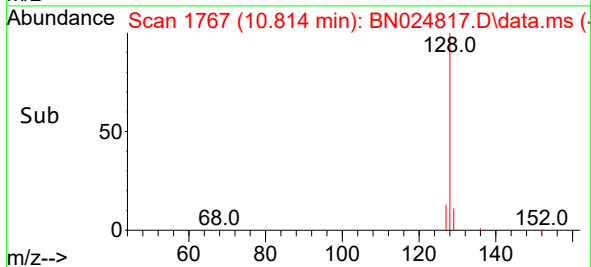
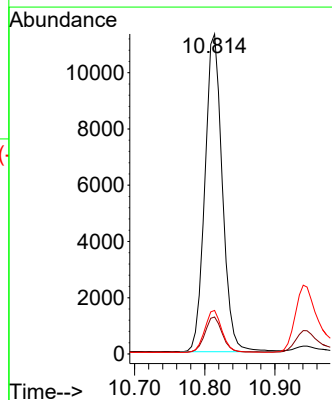
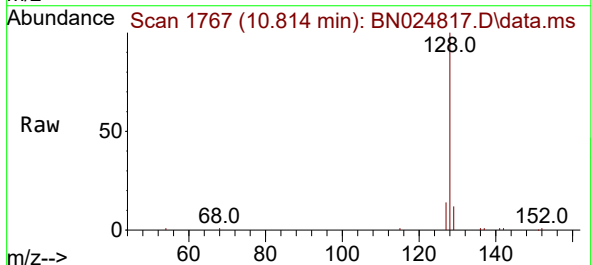
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV208

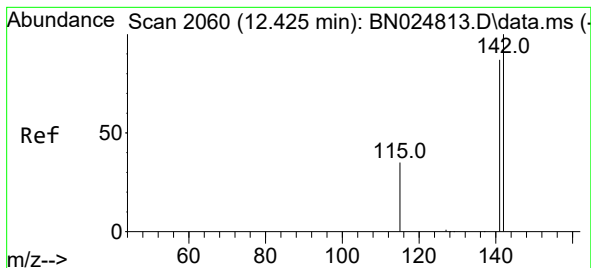
Tgt Ion: 88 Resp: 2809  
 Ion Ratio Lower Upper  
 88 100  
 43 51.5 39.1 58.7  
 58 77.1 65.7 98.5



#5  
 Naphthalene  
 Concen: 0.400 ng/ul  
 RT: 10.814 min Scan# 1767  
 Delta R.T. -0.000 min  
 Lab File: BN024817.D  
 Acq: 07 Apr 2023 18:44

Tgt Ion: 128 Resp: 19517  
 Ion Ratio Lower Upper  
 128 100  
 129 11.6 9.1 13.7  
 127 13.6 10.5 15.7

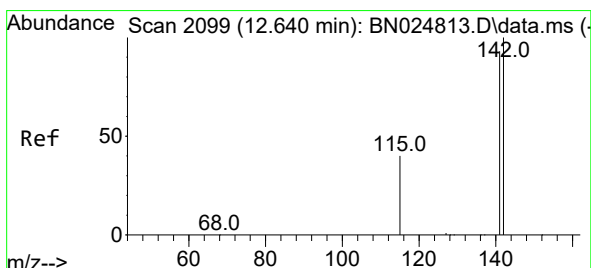
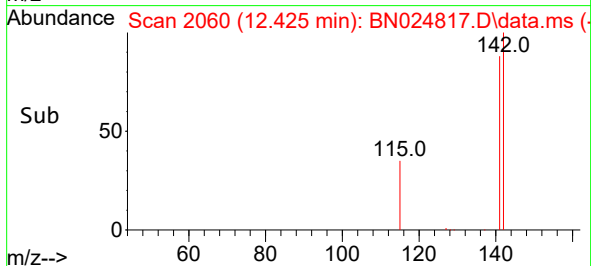
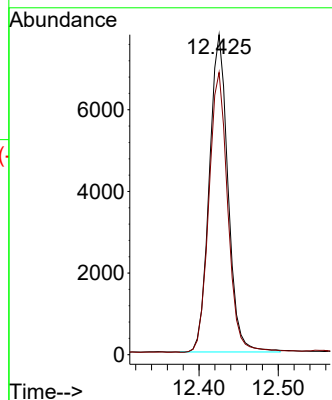
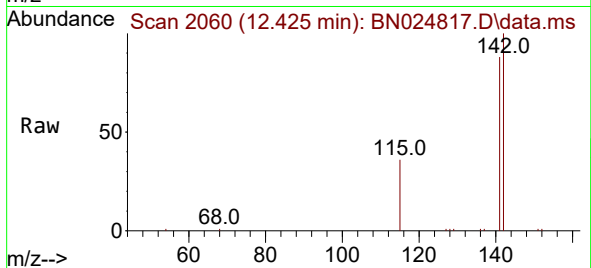




#7  
2-Methylnaphthalene  
Concen: 0.420 ng/ul  
RT: 12.425 min Scan# 2060  
Delta R.T. -0.000 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

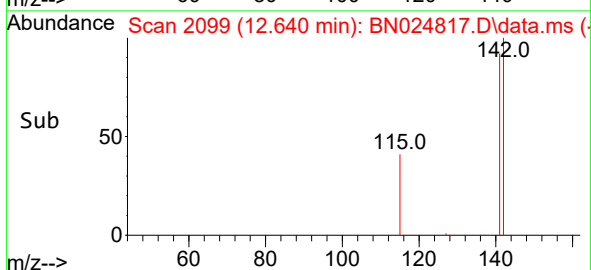
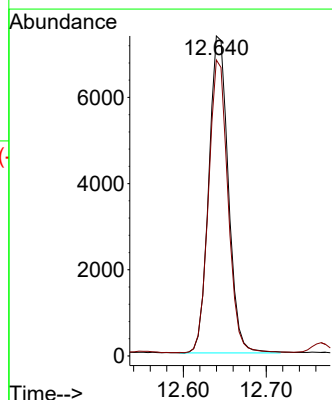
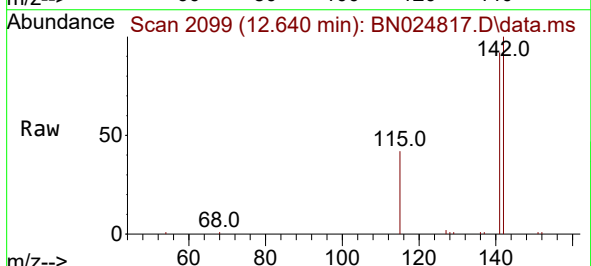
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

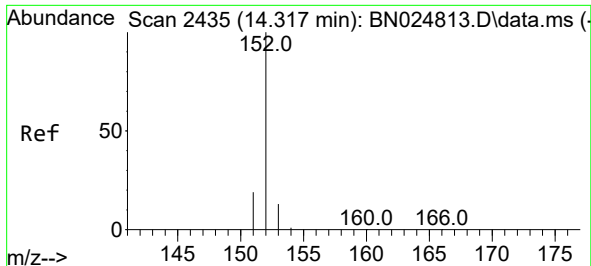
Tgt Ion:142 Resp: 12747  
Ion Ratio Lower Upper  
142 100  
141 88.9 70.7 106.1



#8  
1-Methylnaphthalene  
Concen: 0.375 ng/ul  
RT: 12.640 min Scan# 2099  
Delta R.T. -0.000 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:142 Resp: 12051  
Ion Ratio Lower Upper  
142 100  
141 91.6 74.0 111.0

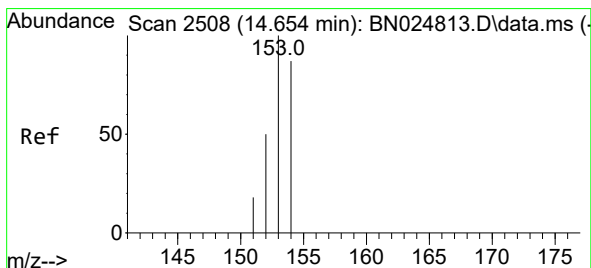
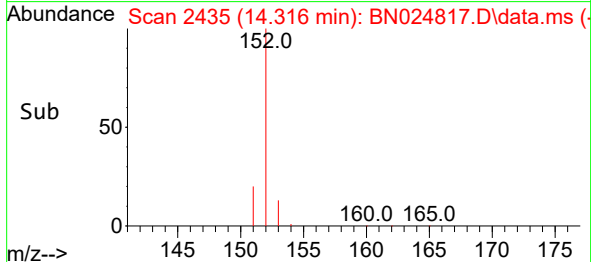
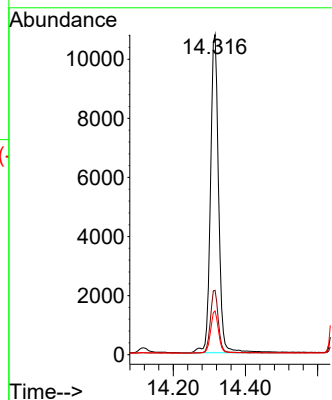
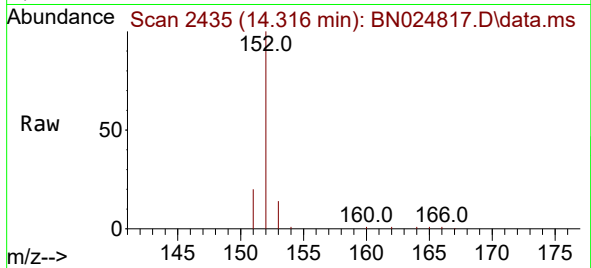




#10  
Acenaphthylene  
Concen: 0.418 ng/ul  
RT: 14.316 min Scan# 2435  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

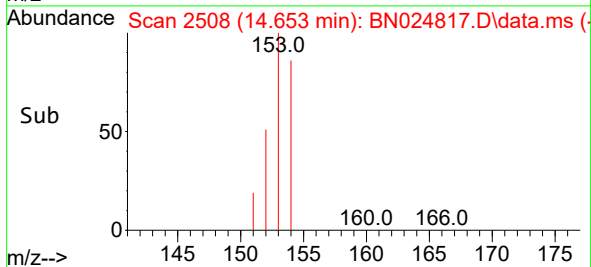
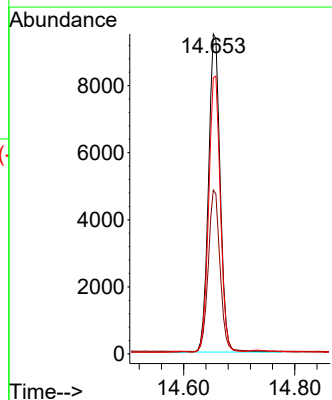
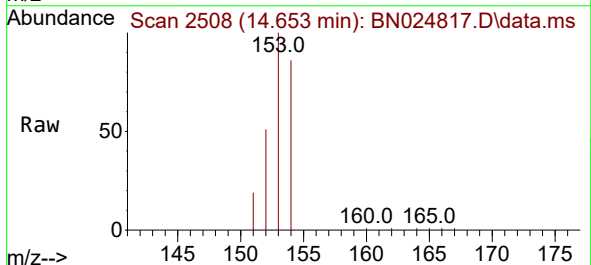
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

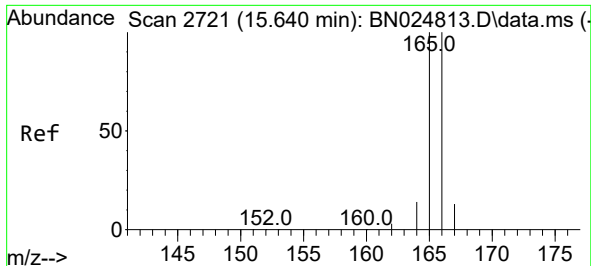
Tgt Ion:152 Resp: 16908  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.7 23.5  
153 13.6 10.6 16.0



#11  
Acenaphthene  
Concen: 0.399 ng/ul  
RT: 14.653 min Scan# 2508  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:153 Resp: 13836  
Ion Ratio Lower Upper  
153 100  
152 51.3 40.7 61.1  
154 86.4 69.4 104.2

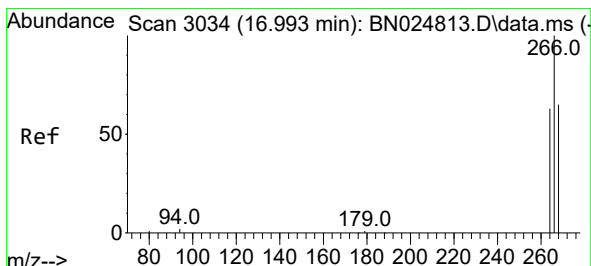
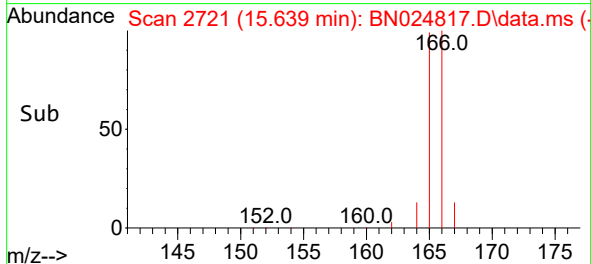
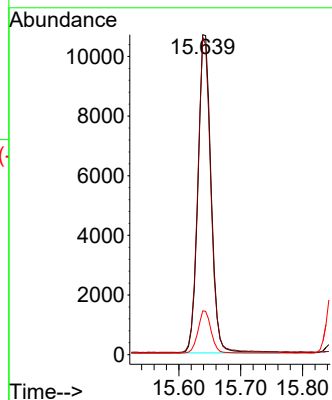
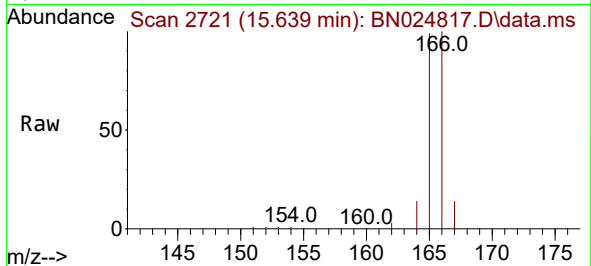




#12  
Fluorene  
Concen: 0.405 ng/ul  
RT: 15.639 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

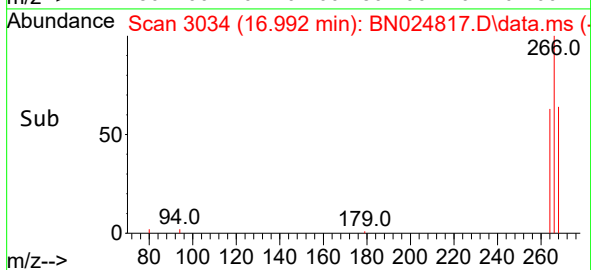
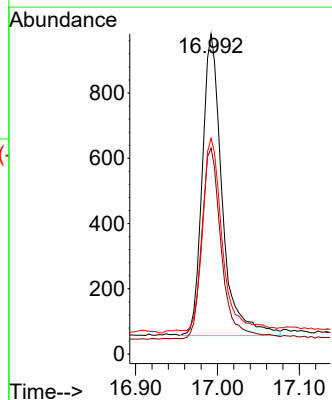
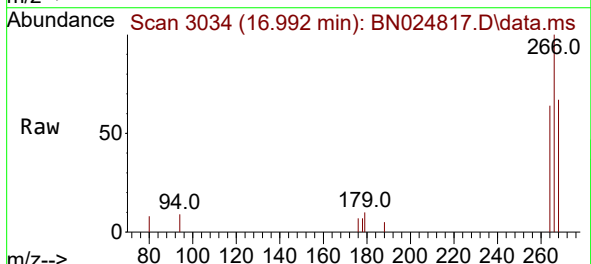
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

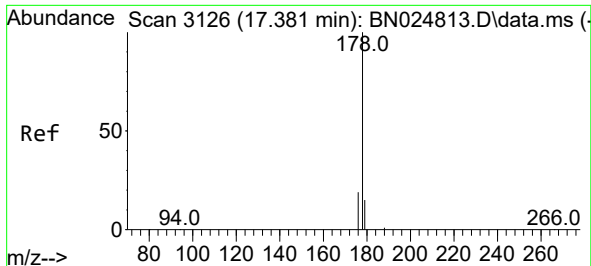
Tgt Ion:166 Resp: 15710  
Ion Ratio Lower Upper  
166 100  
165 99.2 80.1 120.1  
167 13.7 10.7 16.1



#14  
Pentachlorophenol  
Concen: 0.310 ng/ul  
RT: 16.992 min Scan# 3034  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:266 Resp: 1553  
Ion Ratio Lower Upper  
266 100  
264 62.7 51.2 76.8  
268 62.7 51.4 77.2

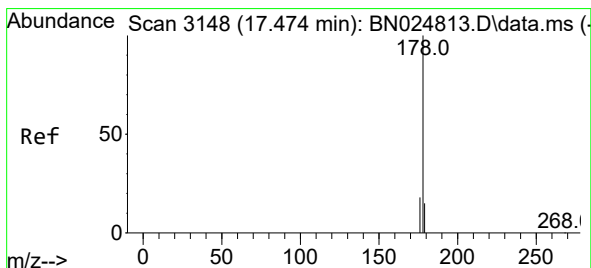
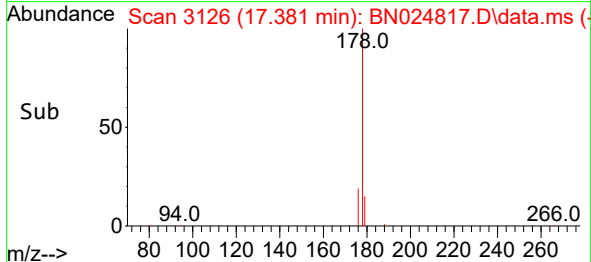
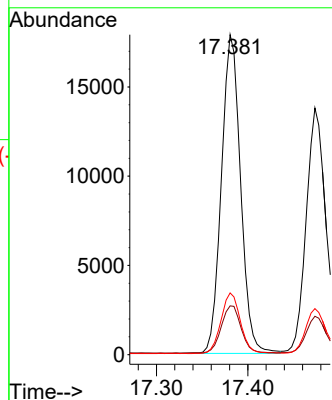
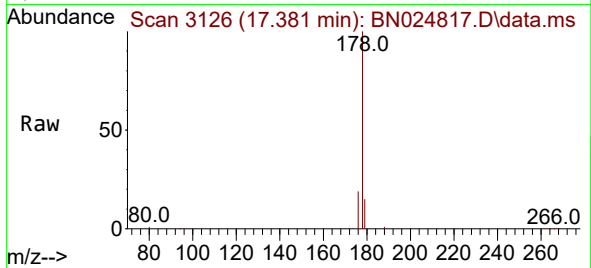




#15  
Phenanthrene  
Concen: 0.393 ng/ul  
RT: 17.381 min Scan# 3126  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

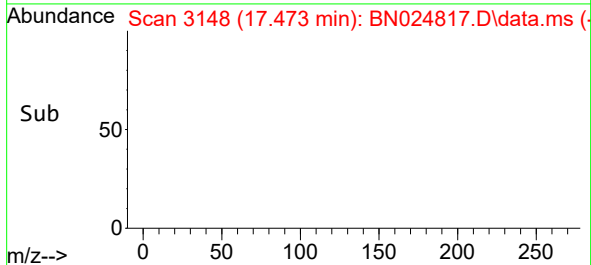
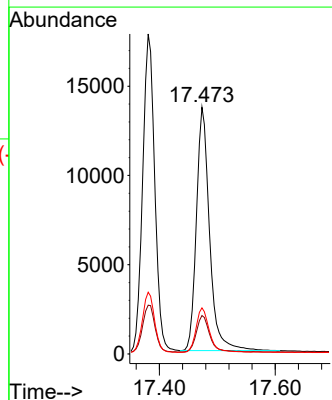
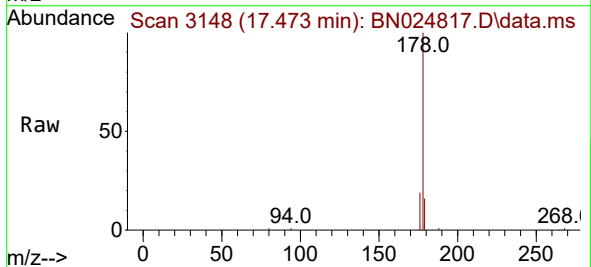
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

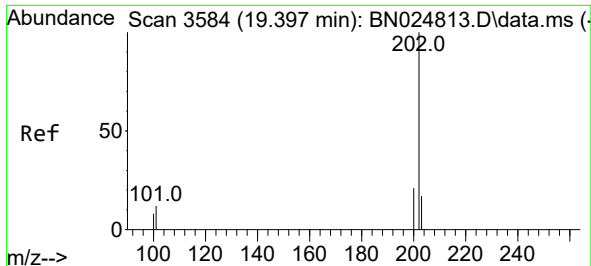
Tgt Ion:178 Resp: 25994  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.3 18.5  
176 19.3 15.4 23.0



#16  
Anthracene  
Concen: 0.391 ng/ul  
RT: 17.473 min Scan# 3148  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:178 Resp: 21520  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.4 18.6  
176 18.7 14.7 22.1

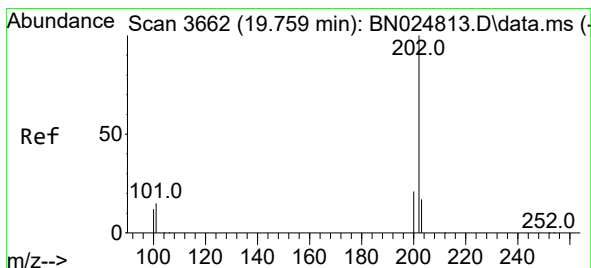
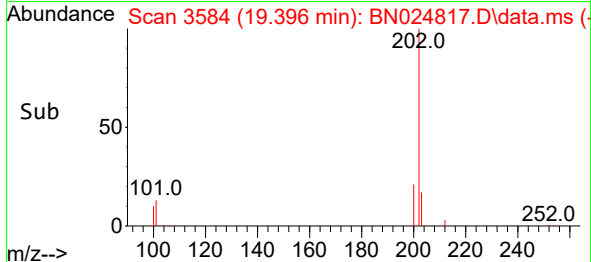
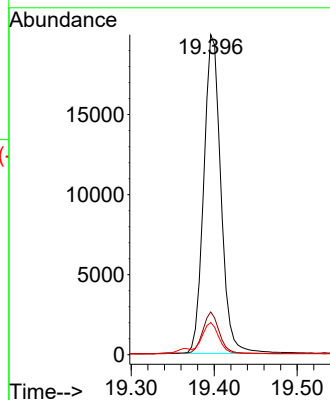
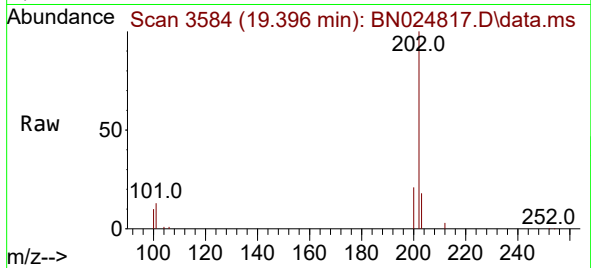




#19  
Fluoranthene  
Concen: 0.402 ng/ul  
RT: 19.396 min Scan# 3584  
Delta R.T. -0.001 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

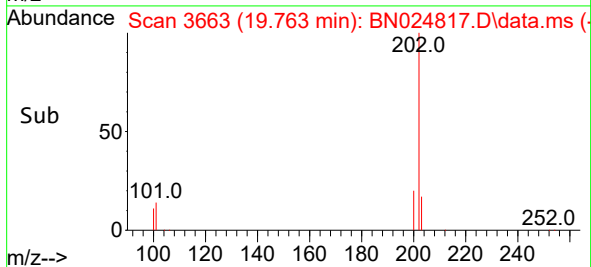
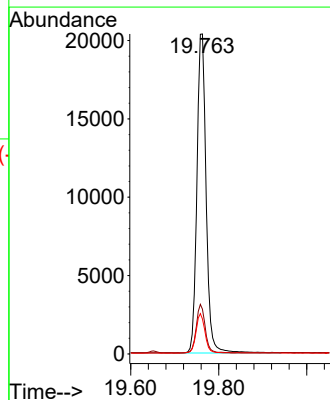
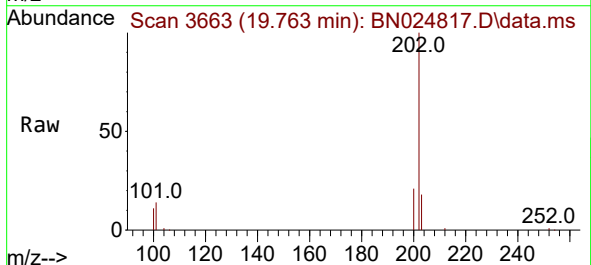
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

Tgt Ion:202 Resp: 28622  
Ion Ratio Lower Upper  
202 100  
101 13.4 10.0 15.0  
100 10.0 7.5 11.3

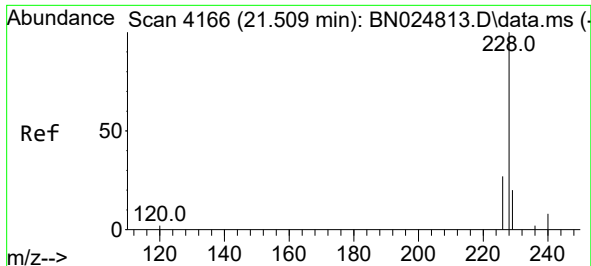


#20  
Pyrene  
Concen: 0.406 ng/ul  
RT: 19.763 min Scan# 3663  
Delta R.T. 0.004 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:202 Resp: 29643  
Ion Ratio Lower Upper  
202 100  
101 14.0 11.8 17.8  
100 11.0 9.5 14.3



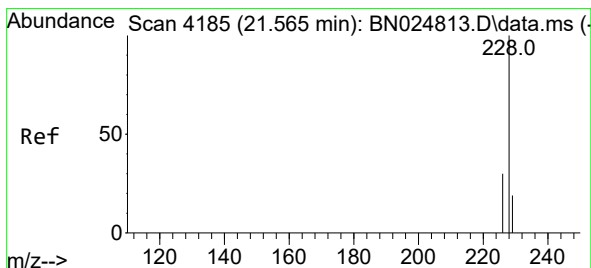
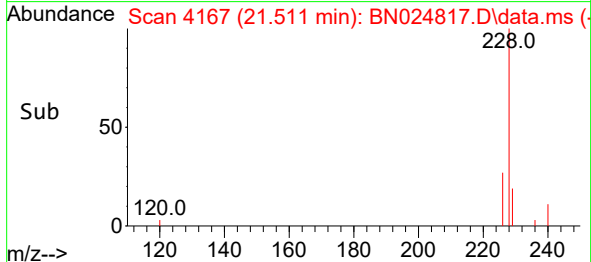
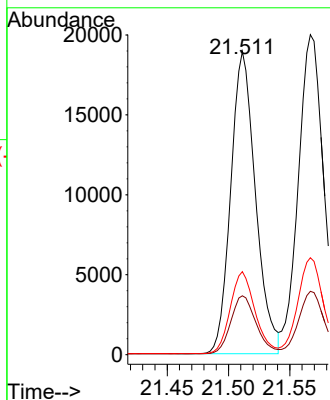
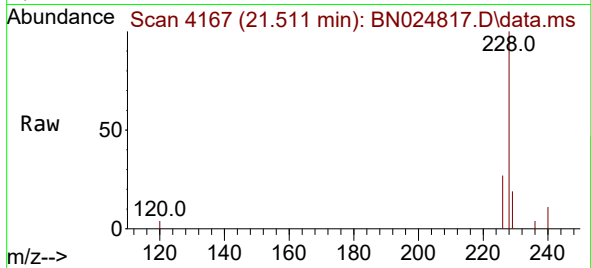




#21  
Benzo(a)anthracene  
Concen: 0.407 ng/ul  
RT: 21.511 min Scan# 4166  
Delta R.T. 0.002 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

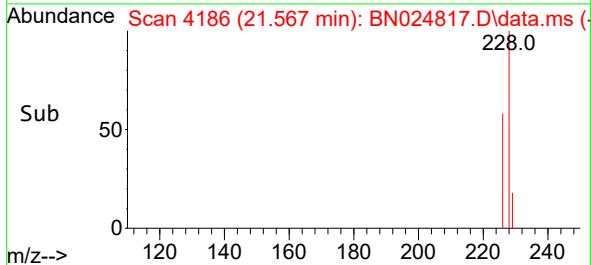
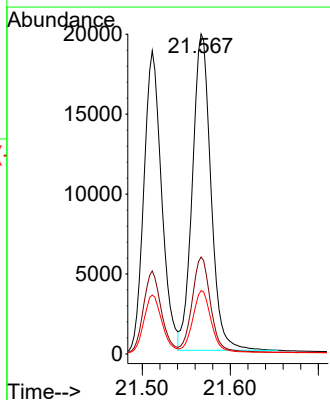
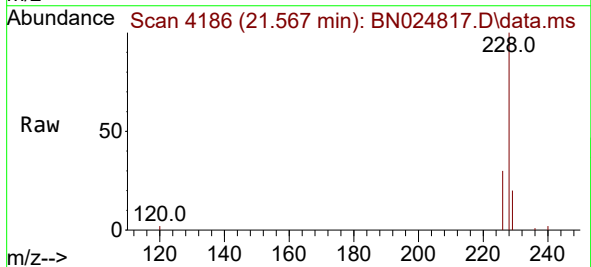
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

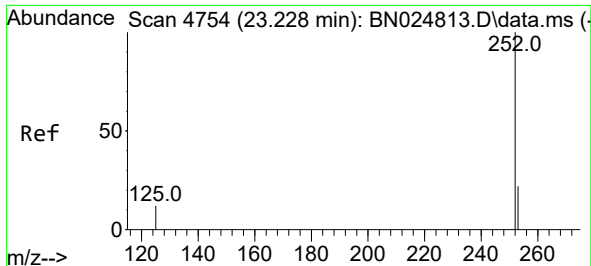
Tgt Ion:228 Resp: 26571  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.8 23.8  
226 27.4 22.2 33.2



#22  
Chrysene  
Concen: 0.409 ng/ul  
RT: 21.567 min Scan# 4186  
Delta R.T. 0.002 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:228 Resp: 28916  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.3 36.5  
229 19.8 15.7 23.5

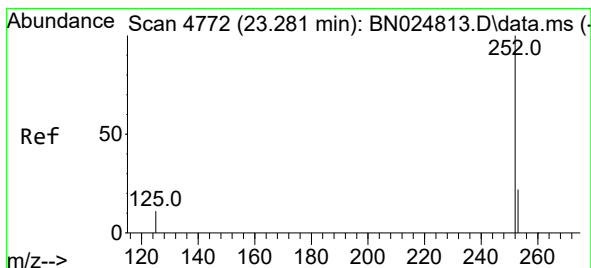
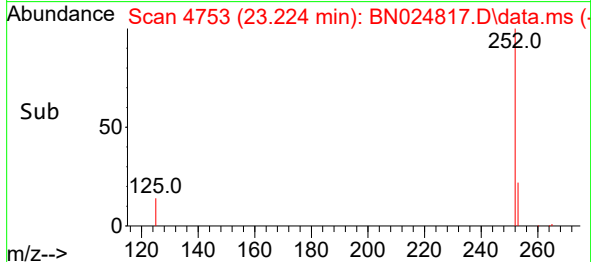
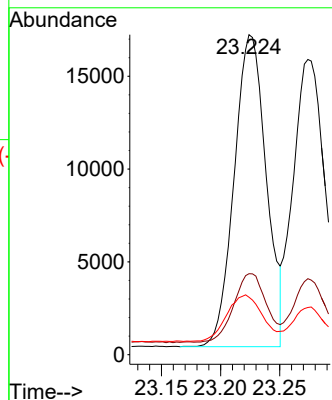
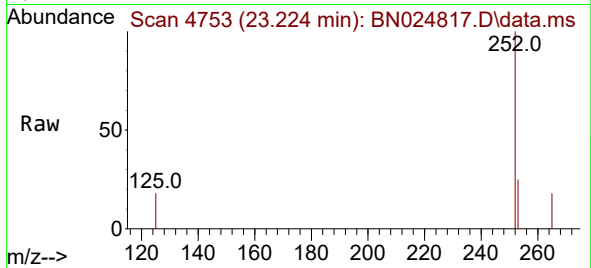




#24  
Benzo(b)fluoranthene  
Concen: 0.391 ng/ul  
RT: 23.224 min Scan# 4753  
Delta R.T. -0.004 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

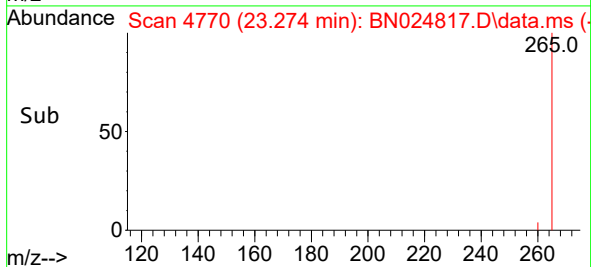
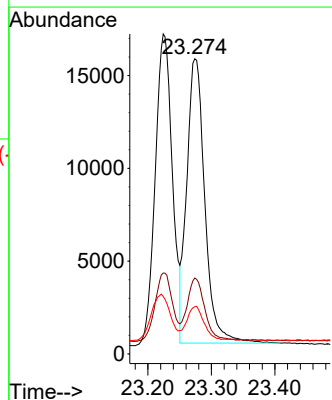
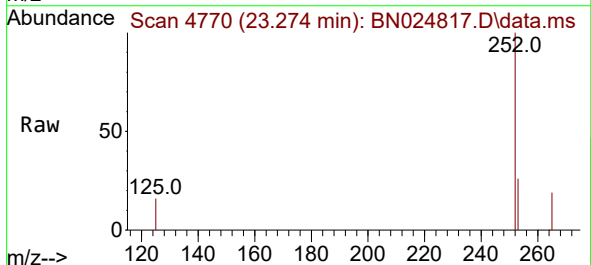
Instrument :  
BNA\_N  
ClientSampleId :  
SICV208

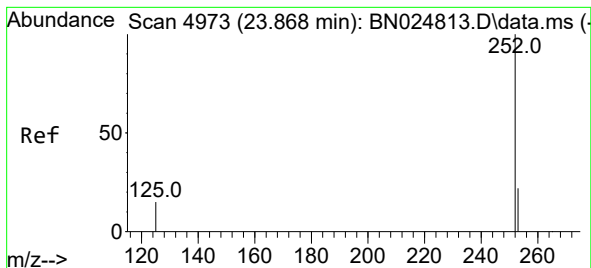
Tgt Ion:252 Resp: 31658  
Ion Ratio Lower Upper  
252 100  
253 25.3 0.0 49.4  
125 17.9 0.0 31.2



#25  
Benzo(k)fluoranthene  
Concen: 0.384 ng/ul  
RT: 23.274 min Scan# 4770  
Delta R.T. -0.007 min  
Lab File: BN024817.D  
Acq: 07 Apr 2023 18:44

Tgt Ion:252 Resp: 30273  
Ion Ratio Lower Upper  
252 100  
253 25.8 20.1 30.1  
125 16.0 12.2 18.2





#26

Benzo(a)pyrene

Concen: 0.401 ng/ul

RT: 23.864 min Scan# 4972

Delta R.T. -0.004 min

Lab File: BN024817.D

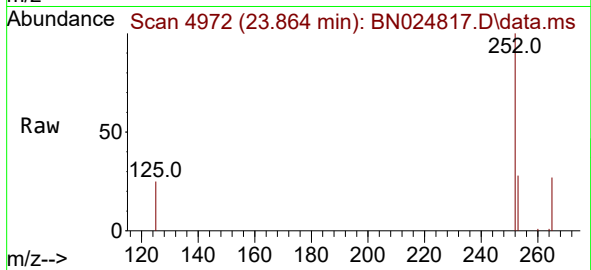
Acq: 07 Apr 2023 18:44

Instrument :

BNA\_N

ClientSampleId :

SICV208



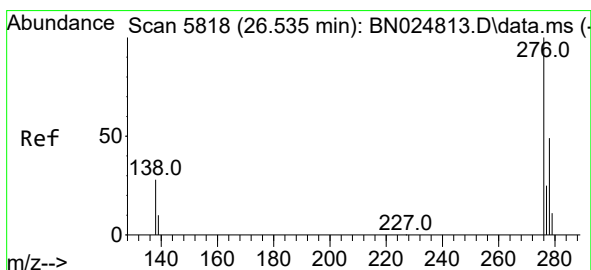
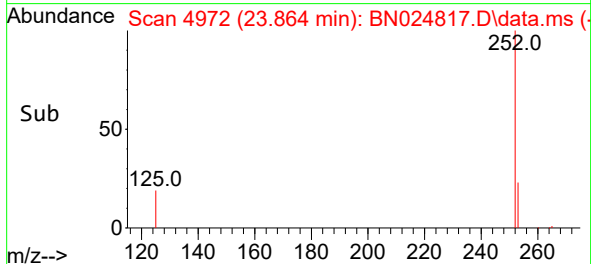
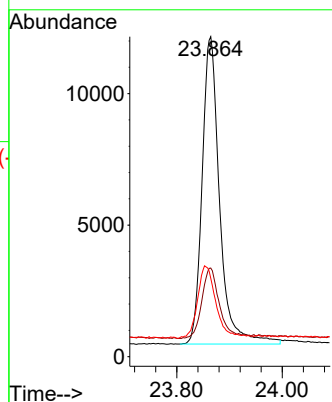
Tgt Ion:252 Resp: 26889

Ion Ratio Lower Upper

252 100

253 27.7 20.7 31.1

125 24.5 15.9 23.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.399 ng/ul

RT: 26.510 min Scan# 5811

Delta R.T. -0.024 min

Lab File: BN024817.D

Acq: 07 Apr 2023 18:44

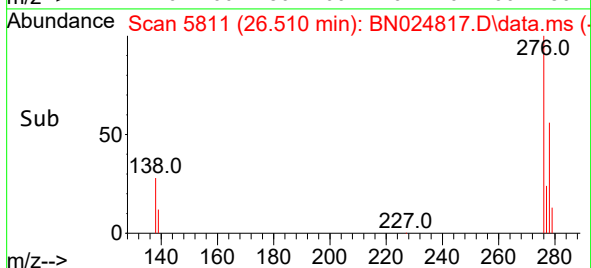
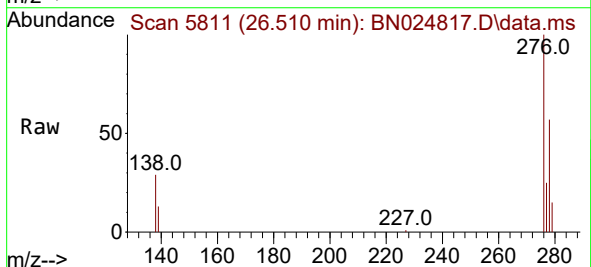
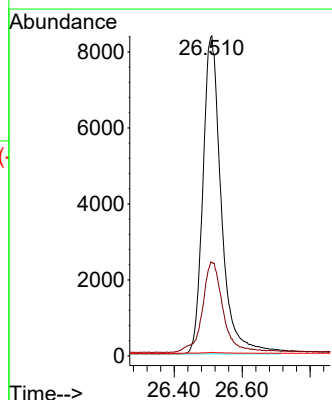
Tgt Ion:276 Resp: 31546

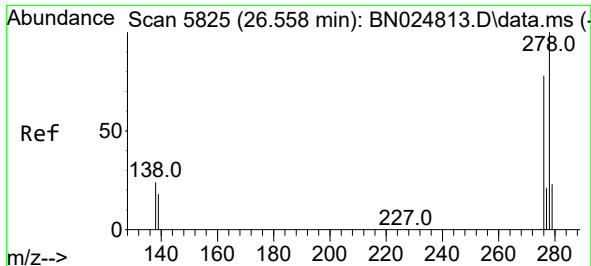
Ion Ratio Lower Upper

276 100

138 32.1 24.2 36.2

227 0.2 0.0 0.0#

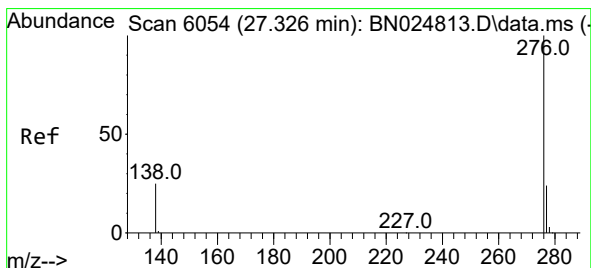
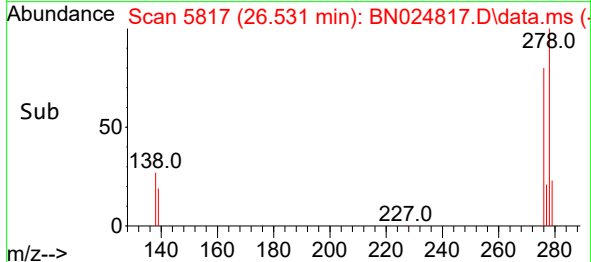
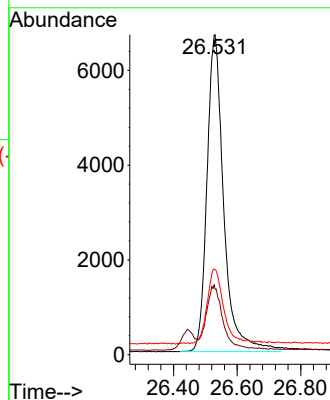
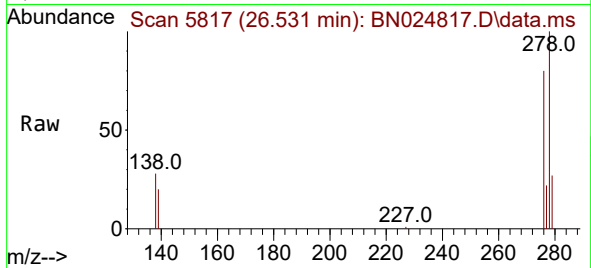




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.395 ng/ul  
 RT: 26.531 min Scan# 5817  
 Delta R.T. -0.028 min  
 Lab File: BN024817.D  
 Acq: 07 Apr 2023 18:44

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SICV208

Tgt Ion:278 Resp: 24552  
 Ion Ratio Lower Upper  
 278 100  
 139 20.5 16.4 24.6  
 279 26.6 21.1 31.7



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.388 ng/ul  
 RT: 27.285 min Scan# 6042  
 Delta R.T. -0.041 min  
 Lab File: BN024817.D  
 Acq: 07 Apr 2023 18:44

Tgt Ion:276 Resp: 25984  
 Ion Ratio Lower Upper  
 276 100  
 138 27.2 21.0 31.4  
 277 24.5 19.7 29.5

