

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121322\  
 Data File : BN023176.D  
 Acq On : 13 Dec 2022 22:36  
 Operator : CG/JU  
 Sample : PB149496BS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS496

Quant Time: Dec 14 00:00:25 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN112622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 13 23:52:47 2022  
 Response via : Initial Calibration

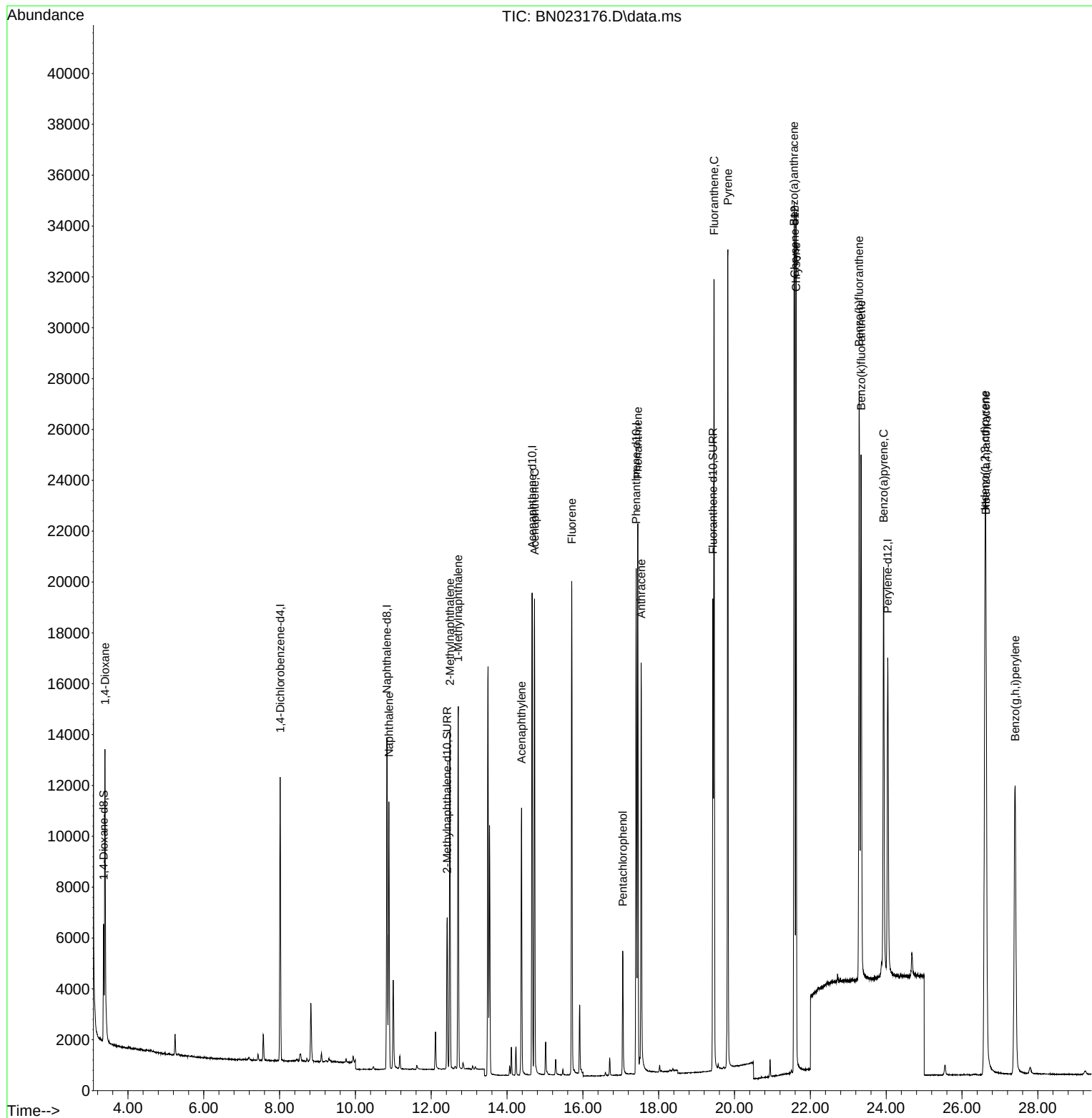
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.015  | 152  | 5513     | 0.400 | ng/u1  | 0.00     |
| 4) Naphthalene-d8           | 10.832 | 136  | 17209    | 0.400 | ng/u1  | 0.00     |
| 9) Acenaphthene-d10         | 14.659 | 164  | 10088    | 0.400 | ng/u1  | 0.00     |
| 13) Phenanthrene-d10        | 17.407 | 188  | 22863    | 0.400 | ng/u1  | 0.00     |
| 17) Chrysene-d12            | 21.587 | 240  | 21420    | 0.400 | ng/u1  | 0.00     |
| 23) Perylene-d12            | 24.042 | 264  | 18148    | 0.400 | ng/u1  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.357  | 96   | 3224     | 0.487 | ng/u1  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.421 | 152  | 7460     | 0.284 | ng/u1  | 0.00     |
| 18) Fluoranthene-d10        | 19.430 | 212  | 19182    | 0.242 | ng/u1  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.395  | 88   | 8458     | 1.226 | ng/u1  | 96       |
| 5) Naphthalene              | 10.881 | 128  | 13944    | 0.267 | ng/u1  | 99       |
| 7) 2-Methylnaphthalene      | 12.493 | 142  | 8932     | 0.274 | ng/u1  | 99       |
| 8) 1-Methylnaphthalene      | 12.713 | 142  | 9643     | 0.290 | ng/u1  | 100      |
| 10) Acenaphthylene          | 14.382 | 152  | 11916    | 0.240 | ng/u1  | 99       |
| 11) Acenaphthene            | 14.724 | 153  | 10509    | 0.267 | ng/u1  | 99       |
| 12) Fluorene                | 15.709 | 166  | 12413    | 0.278 | ng/u1  | 99       |
| 14) Pentachlorophenol       | 17.052 | 266  | 3250     | 0.680 | ng/u1# | 100      |
| 15) Phenanthrene            | 17.449 | 178  | 22587    | 0.288 | ng/u1  | 100      |
| 16) Anthracene              | 17.538 | 178  | 18186    | 0.270 | ng/u1  | 99       |
| 19) Fluoranthene            | 19.462 | 202  | 26634    | 0.241 | ng/u1  | 100      |
| 20) Pyrene                  | 19.825 | 202  | 26944    | 0.249 | ng/u1  | 99       |
| 21) Benzo(a)anthracene      | 21.569 | 228  | 25595    | 0.313 | ng/u1  | 100      |
| 22) Chrysene                | 21.625 | 228  | 28193    | 0.314 | ng/u1  | 99       |
| 24) Benzo(b)fluoranthene    | 23.288 | 252  | 29618    | 0.322 | ng/u1  | 95       |
| 25) Benzo(k)fluoranthene    | 23.338 | 252  | 28305    | 0.291 | ng/u1  | 97       |
| 26) Benzo(a)pyrene          | 23.931 | 252  | 24586    | 0.351 | ng/u1# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.607 | 276  | 32598    | 0.392 | ng/u1# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.631 | 278  | 25552    | 0.386 | ng/u1  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.402 | 276  | 25834    | 0.356 | ng/u1  | 99       |
| -----                       |        |      |          |       |        |          |

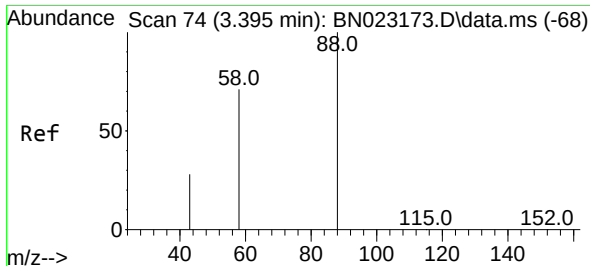
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121322\  
Data File : BN023176.D  
Acq On : 13 Dec 2022 22:36  
Operator : CG/JU  
Sample : PB149496BS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

Quant Time: Dec 14 00:00:25 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN112622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 13 23:52:47 2022  
Response via : Initial Calibration

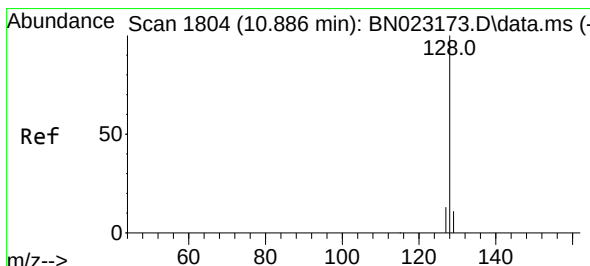
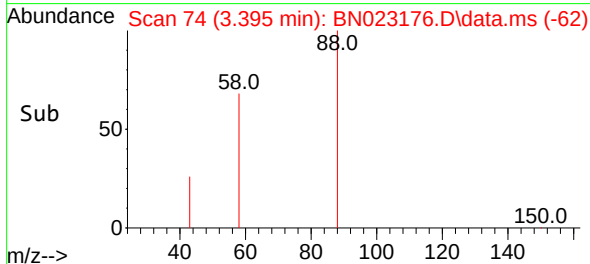
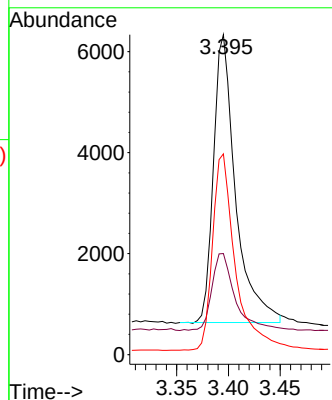
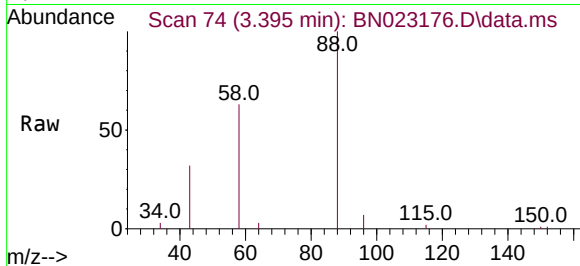




#2  
1,4-Dioxane  
Concen: 1.226 ng/ul  
RT: 3.395 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

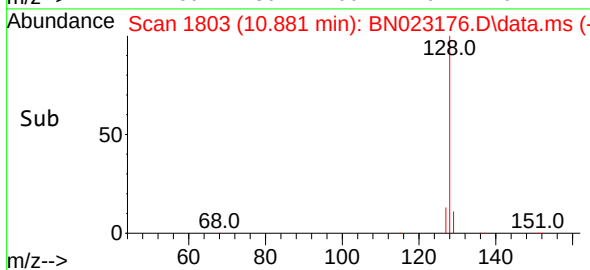
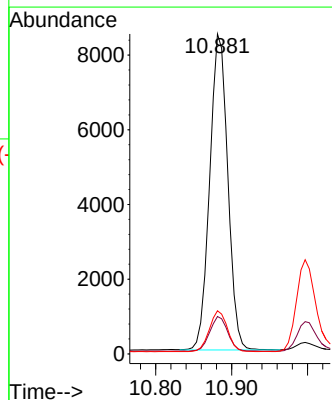
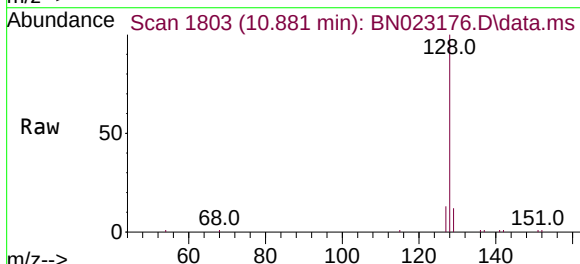
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

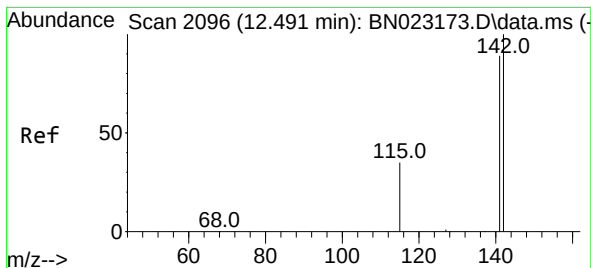
Tgt Ion: 88 Resp: 8458  
Ion Ratio Lower Upper  
88 100  
43 31.6 26.2 39.4  
58 62.7 47.6 71.4



#5  
Naphthalene  
Concen: 0.267 ng/ul  
RT: 10.881 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion: 128 Resp: 13944  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.0 13.6  
127 13.5 10.6 16.0

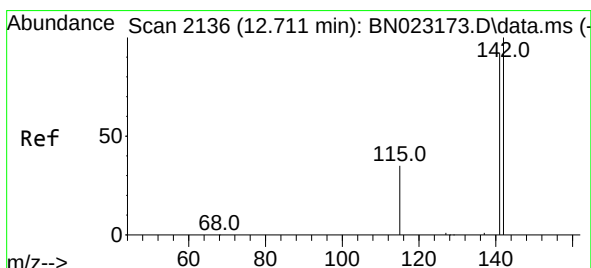
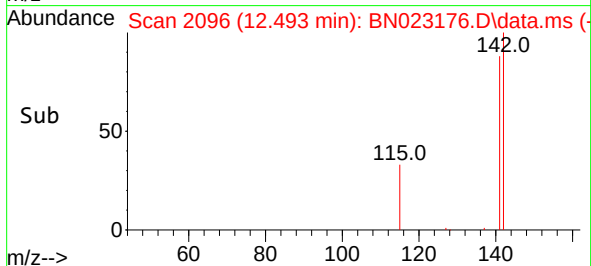
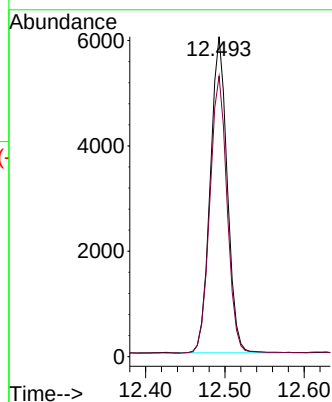
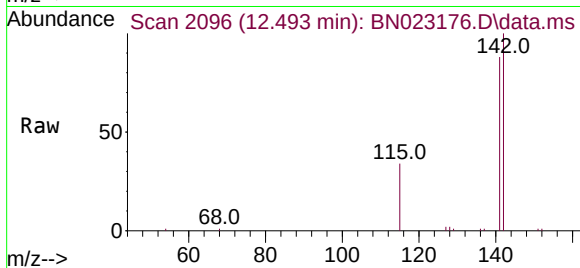




#7  
2-Methylnaphthalene  
Concen: 0.274 ng/ul  
RT: 12.493 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

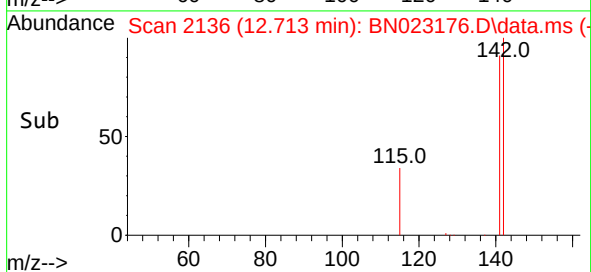
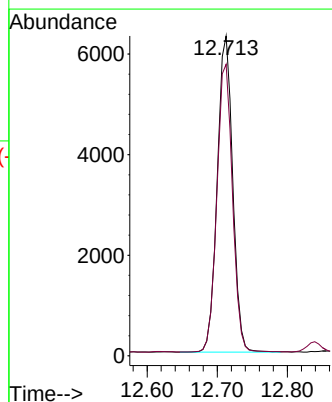
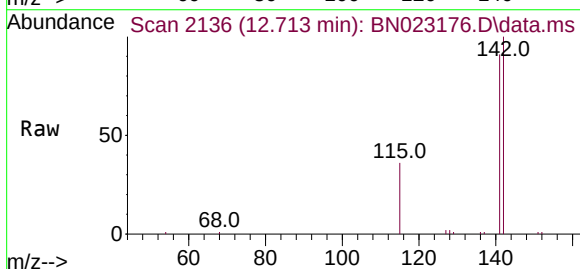
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

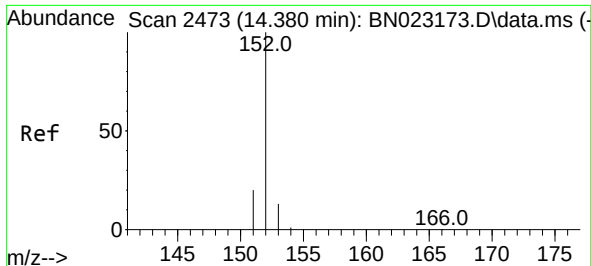
Tgt Ion:142 Resp: 8932  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.6 107.4



#8  
1-Methylnaphthalene  
Concen: 0.290 ng/ul  
RT: 12.713 min Scan# 2136  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion:142 Resp: 9643  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.8 110.6

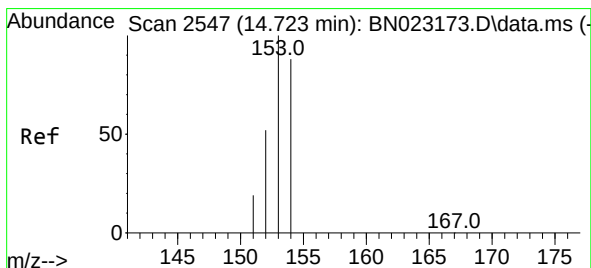
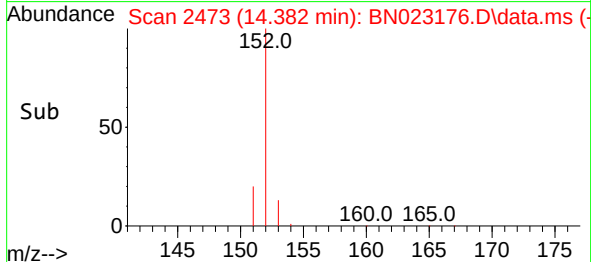
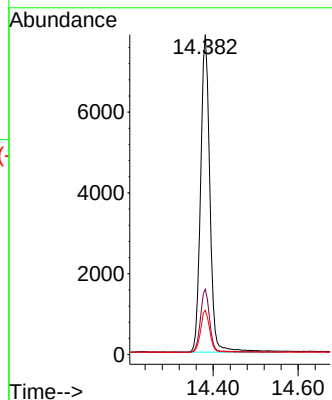
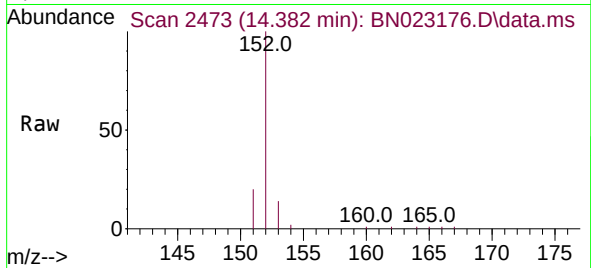




#10  
Acenaphthylene  
Concen: 0.240 ng/ul  
RT: 14.382 min Scan# 2473  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

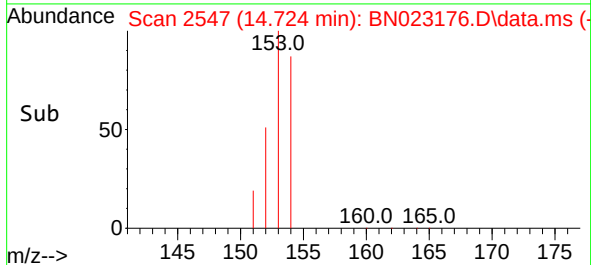
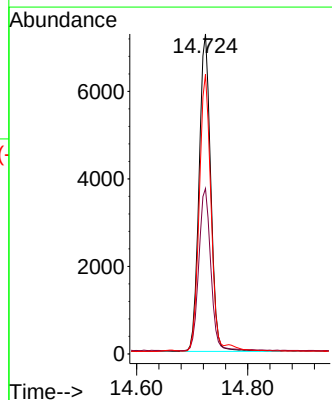
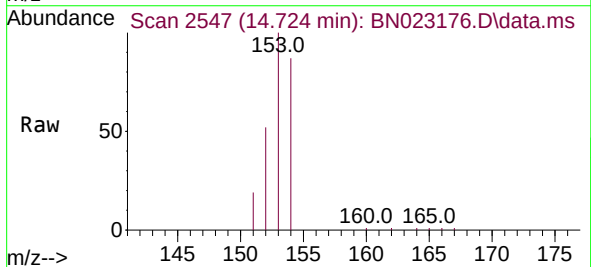
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

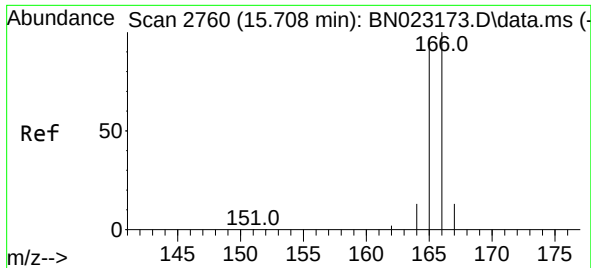
Tgt Ion:152 Resp: 11916  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.0 24.0  
153 13.8 10.5 15.7



#11  
Acenaphthene  
Concen: 0.267 ng/ul  
RT: 14.724 min Scan# 2547  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion:153 Resp: 10509  
Ion Ratio Lower Upper  
153 100  
152 51.7 41.8 62.8  
154 87.4 71.3 106.9

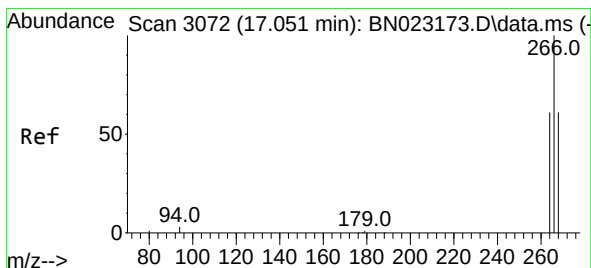
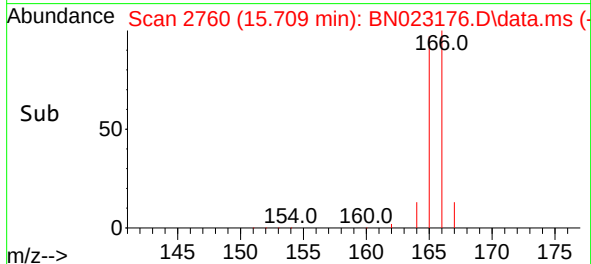
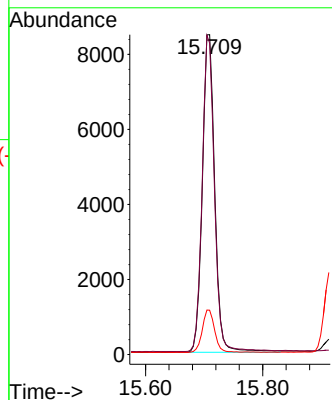
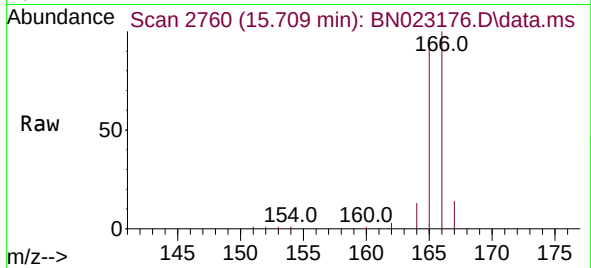




#12  
 Fluorene  
 Concen: 0.278 ng/ul  
 RT: 15.709 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN023176.D  
 Acq: 13 Dec 2022 22:36

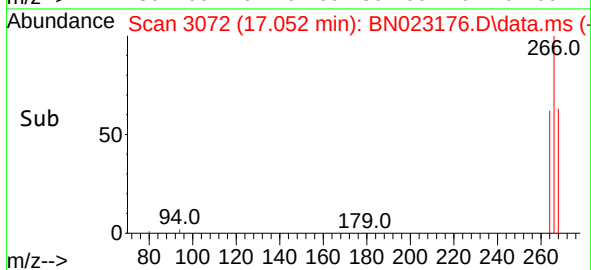
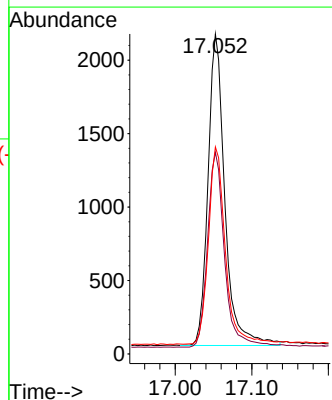
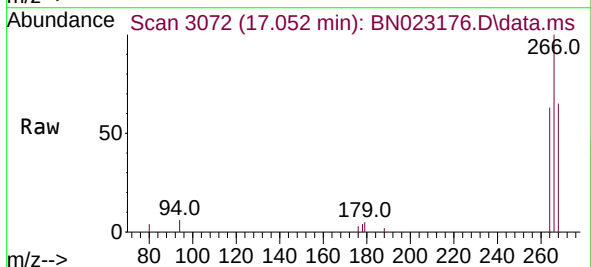
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS496

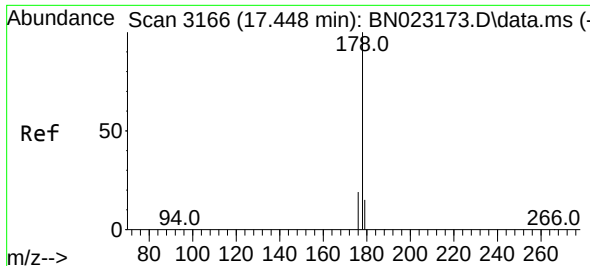
Tgt Ion:166 Resp: 12413  
 Ion Ratio Lower Upper  
 166 100  
 165 97.3 78.7 118.1  
 167 13.9 10.8 16.2



#14  
 Pentachlorophenol  
 Concen: 0.680 ng/ul  
 RT: 17.052 min Scan# 3072  
 Delta R.T. 0.000 min  
 Lab File: BN023176.D  
 Acq: 13 Dec 2022 22:36

Tgt Ion:266 Resp: 3250  
 Ion Ratio Lower Upper  
 266 100  
 264 63.2 0.0 0.0#  
 268 63.8 0.0 0.0#

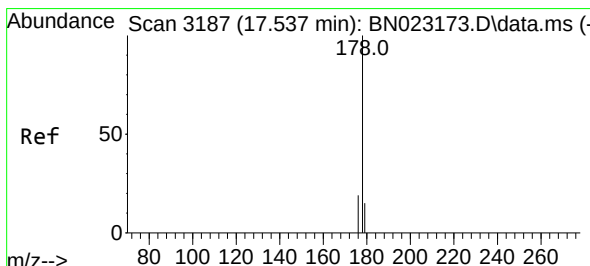
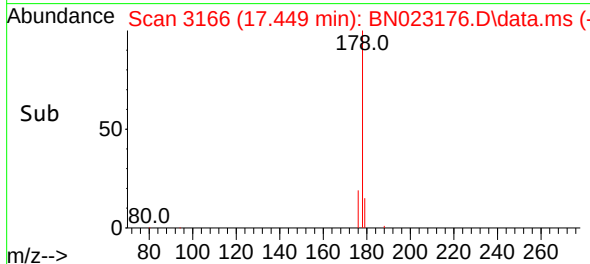
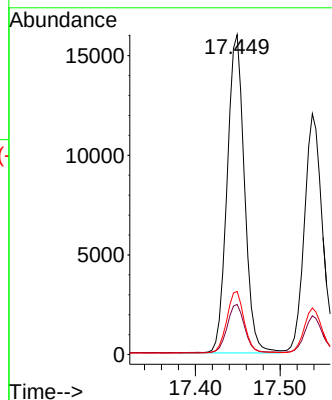
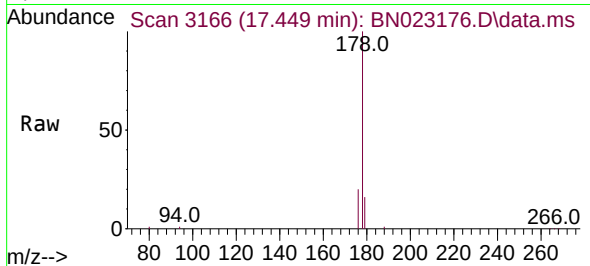




#15  
Phenanthrene  
Concen: 0.288 ng/ul  
RT: 17.449 min Scan# 3166  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

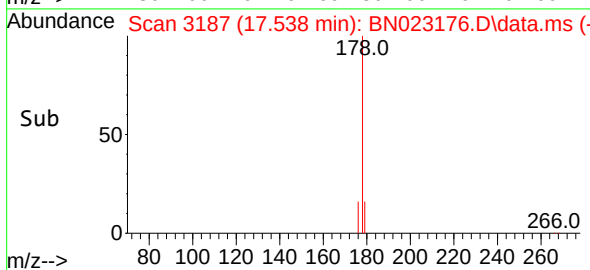
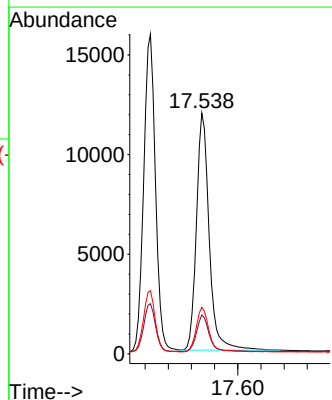
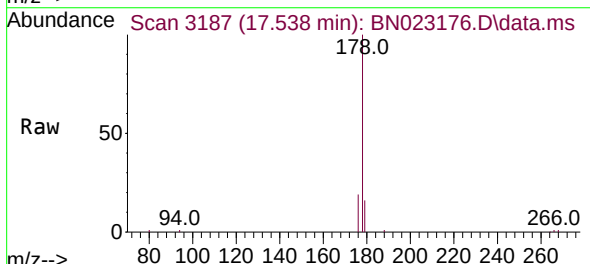
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

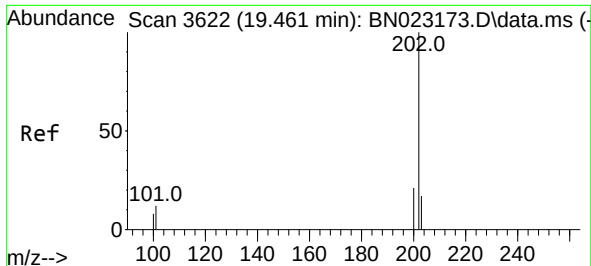
Tgt Ion:178 Resp: 22587  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.5 18.7  
176 19.7 15.9 23.9



#16  
Anthracene  
Concen: 0.270 ng/ul  
RT: 17.538 min Scan# 3187  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion:178 Resp: 18186  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.6 18.8  
176 19.4 15.3 22.9

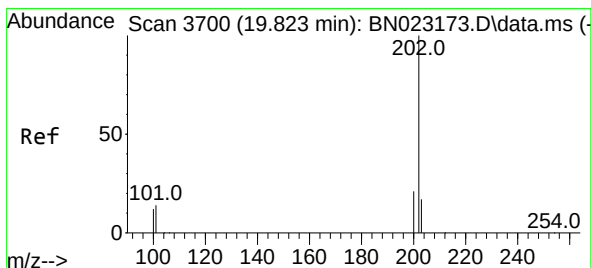
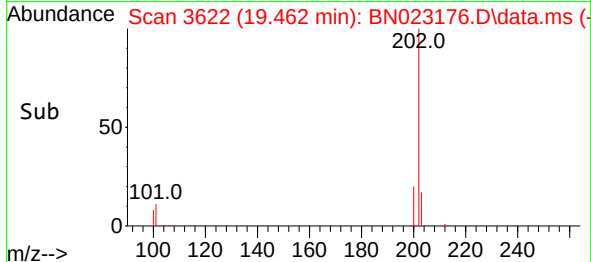
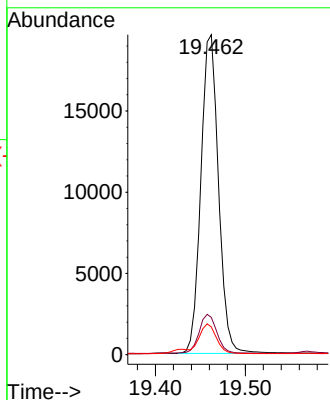
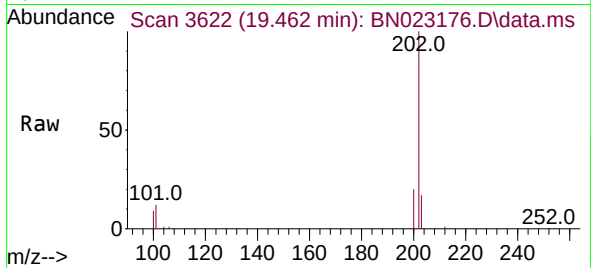




#19  
Fluoranthene  
Concen: 0.241 ng/ul  
RT: 19.462 min Scan# 3622  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

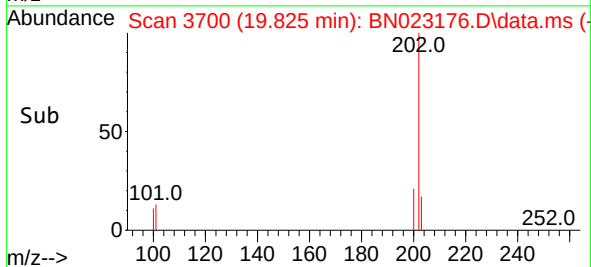
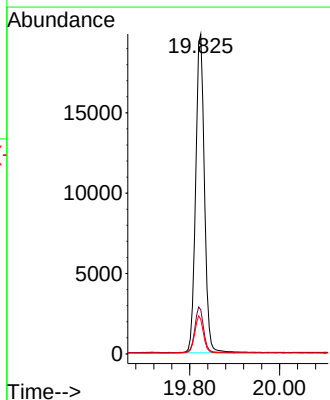
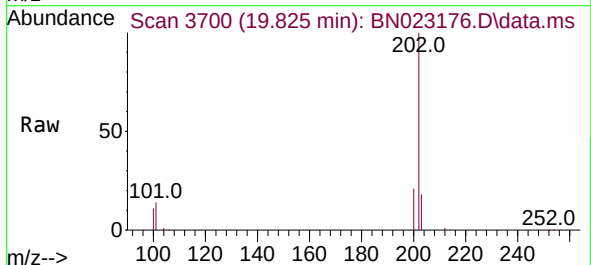
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

Tgt Ion:202 Resp: 26634  
Ion Ratio Lower Upper  
202 100  
101 11.6 9.2 13.8  
100 8.6 6.9 10.3

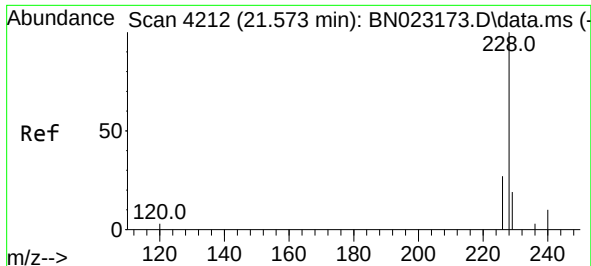


#20  
Pyrene  
Concen: 0.249 ng/ul  
RT: 19.825 min Scan# 3700  
Delta R.T. 0.000 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion:202 Resp: 26944  
Ion Ratio Lower Upper  
202 100  
101 13.8 10.6 16.0  
100 10.8 8.2 12.4



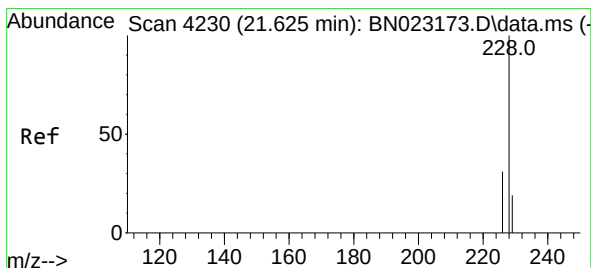
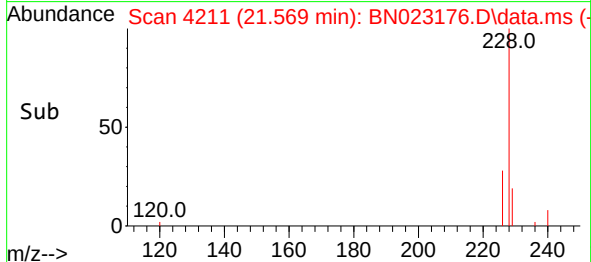
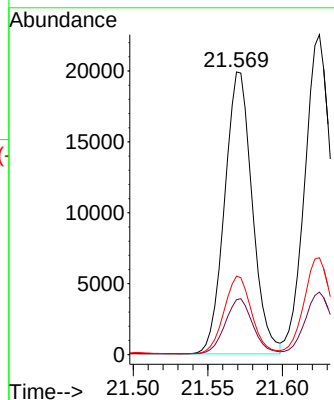
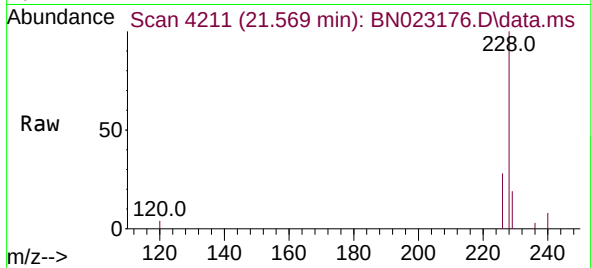




#21  
Benzo(a)anthracene  
Concen: 0.313 ng/ul  
RT: 21.569 min Scan# 4211  
Delta R.T. -0.003 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

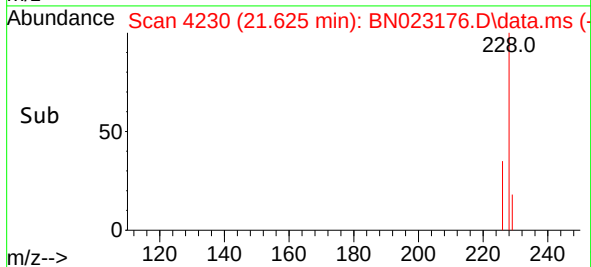
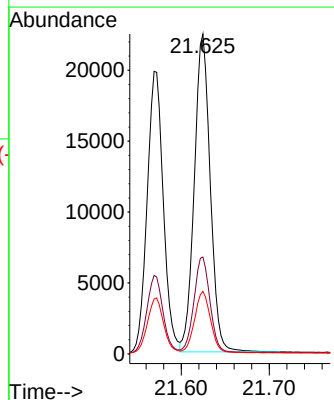
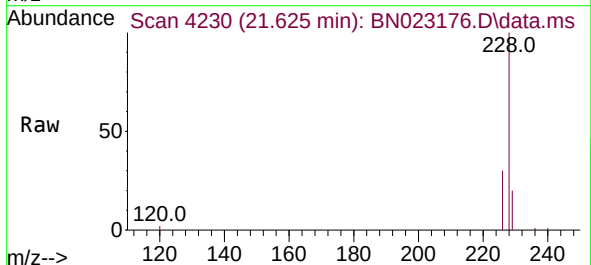
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

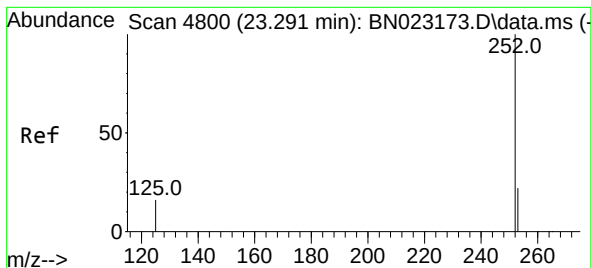
Tgt Ion:228 Resp: 25595  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.5 23.3  
226 27.8 22.2 33.4



#22  
Chrysene  
Concen: 0.314 ng/ul  
RT: 21.625 min Scan# 4230  
Delta R.T. -0.003 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion:228 Resp: 28193  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.6 37.0  
229 19.5 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.322 ng/ul

RT: 23.288 min Scan# 4799

Delta R.T. -0.003 min

Lab File: BN023176.D

Acq: 13 Dec 2022 22:36

Instrument :

BNA\_N

ClientSampleId :

SLCS496

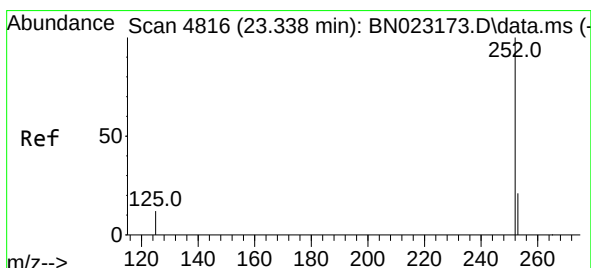
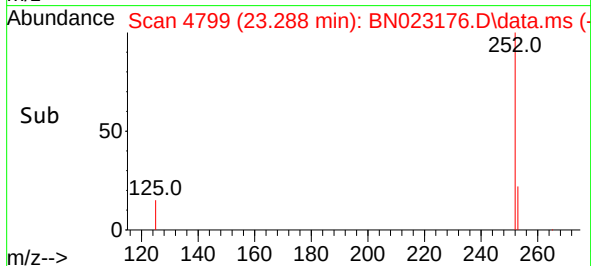
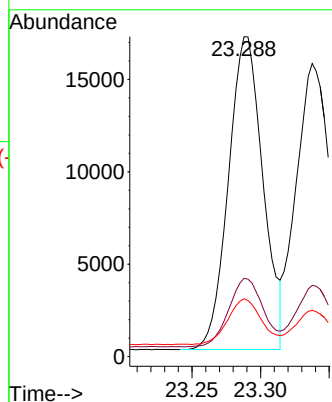
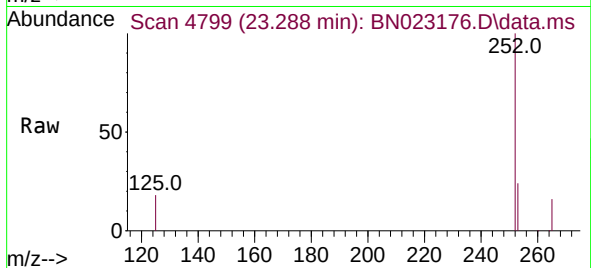
Tgt Ion:252 Resp: 29618

Ion Ratio Lower Upper

252 100

253 24.5 0.0 46.0

125 18.1 0.0 28.6



#25

Benzo(k)fluoranthene

Concen: 0.291 ng/ul

RT: 23.338 min Scan# 4816

Delta R.T. -0.003 min

Lab File: BN023176.D

Acq: 13 Dec 2022 22:36

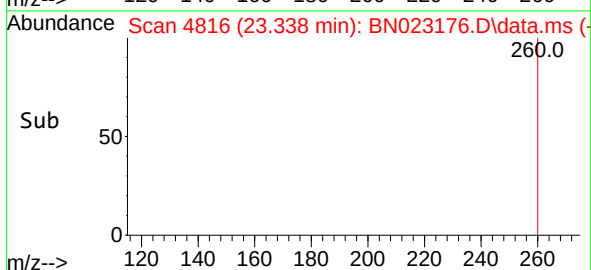
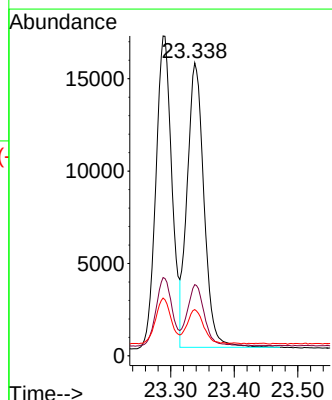
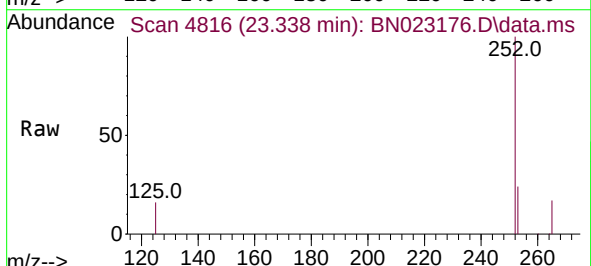
Tgt Ion:252 Resp: 28305

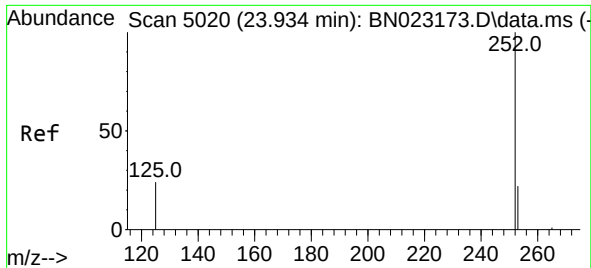
Ion Ratio Lower Upper

252 100

253 24.3 18.7 28.1

125 15.8 11.3 16.9

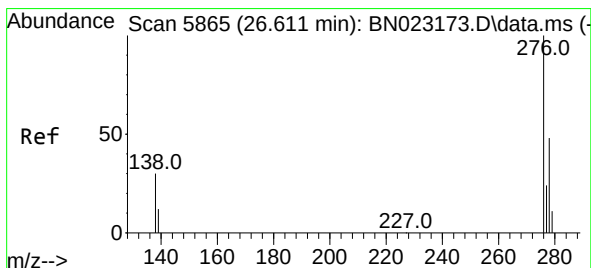
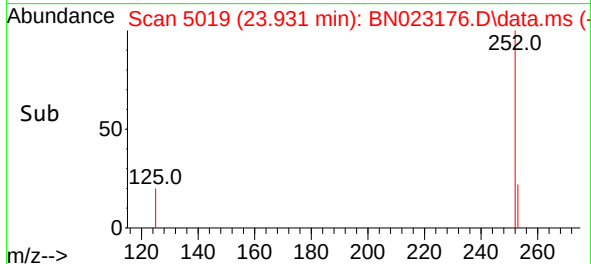
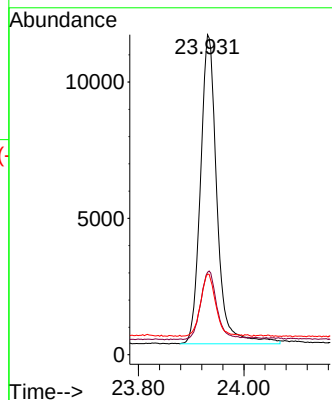
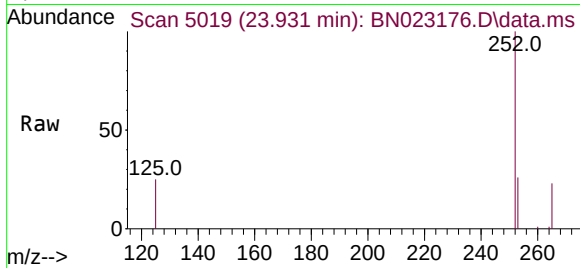




#26  
Benzo(a)pyrene  
Concen: 0.351 ng/ul  
RT: 23.931 min Scan# 5019  
Delta R.T. -0.003 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

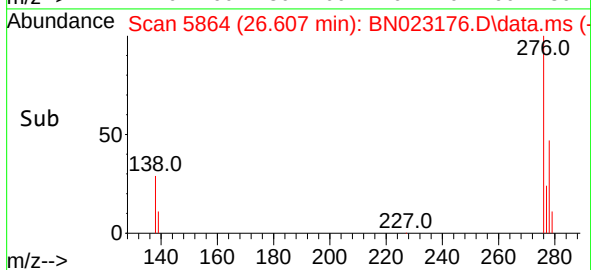
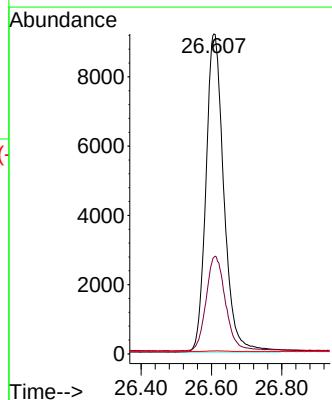
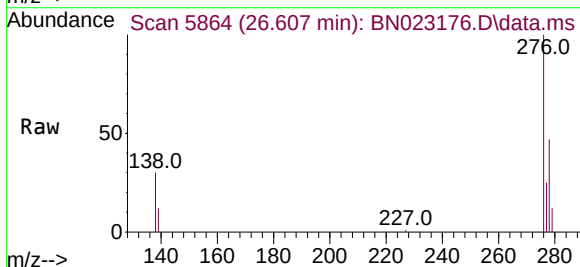
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS496

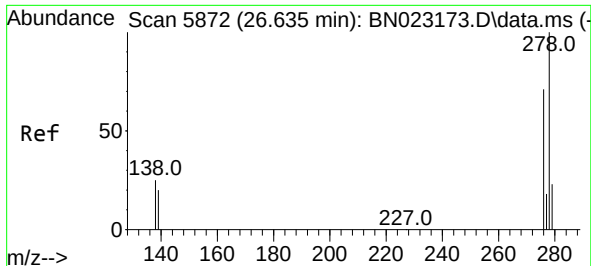
Tgt Ion:252 Resp: 24586  
Ion Ratio Lower Upper  
252 100  
253 25.8 19.7 29.5  
125 25.2 13.7 20.5#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.392 ng/ul  
RT: 26.607 min Scan# 5864  
Delta R.T. -0.003 min  
Lab File: BN023176.D  
Acq: 13 Dec 2022 22:36

Tgt Ion:276 Resp: 32598  
Ion Ratio Lower Upper  
276 100  
138 32.2 0.0 0.0#  
227 0.3 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.386 ng/ul

RT: 26.631 min Scan# 5872

Delta R.T. 0.000 min

Lab File: BN023176.D

Acq: 13 Dec 2022 22:36

Instrument :

BNA\_N

ClientSampleId :

SLCS496

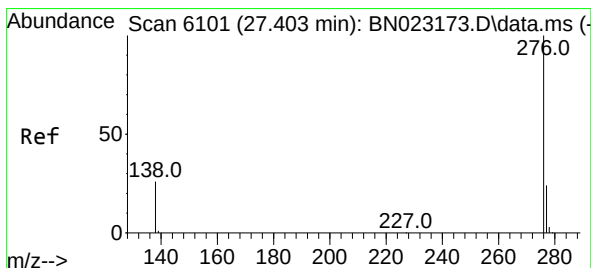
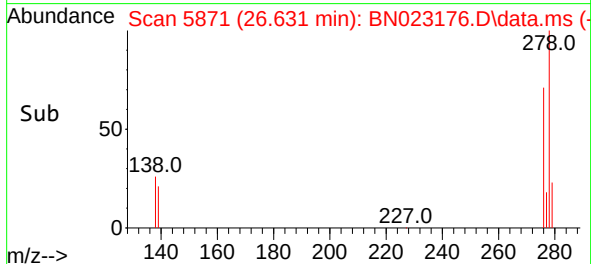
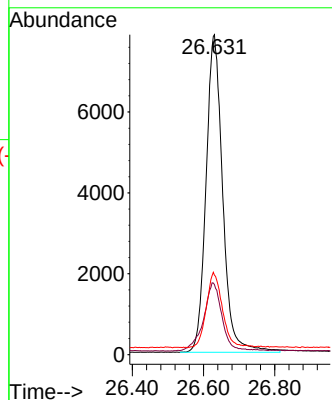
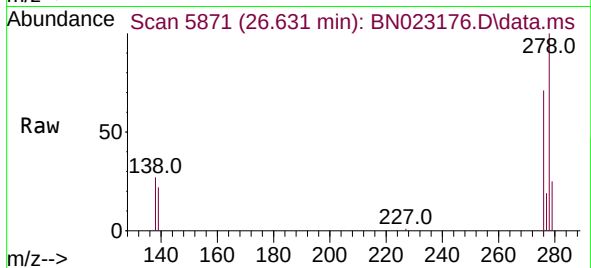
Tgt Ion:278 Resp: 25552

Ion Ratio Lower Upper

278 100

139 21.9 18.3 27.5

279 24.8 20.4 30.6



#29

Benzo(g,h,i)perylene

Concen: 0.356 ng/ul

RT: 27.402 min Scan# 6101

Delta R.T. 0.000 min

Lab File: BN023176.D

Acq: 13 Dec 2022 22:36

Tgt Ion:276 Resp: 25834

Ion Ratio Lower Upper

276 100

138 28.0 22.1 33.1

277 24.7 19.4 29.2

