

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080822\  
 Data File : BN021078.D  
 Acq On : 09 Aug 2022 00:01  
 Operator : CG/JU  
 Sample : PB146835BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS835

Quant Time: Aug 09 01:17:20 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 08 23:08:49 2022  
 Response via : Initial Calibration

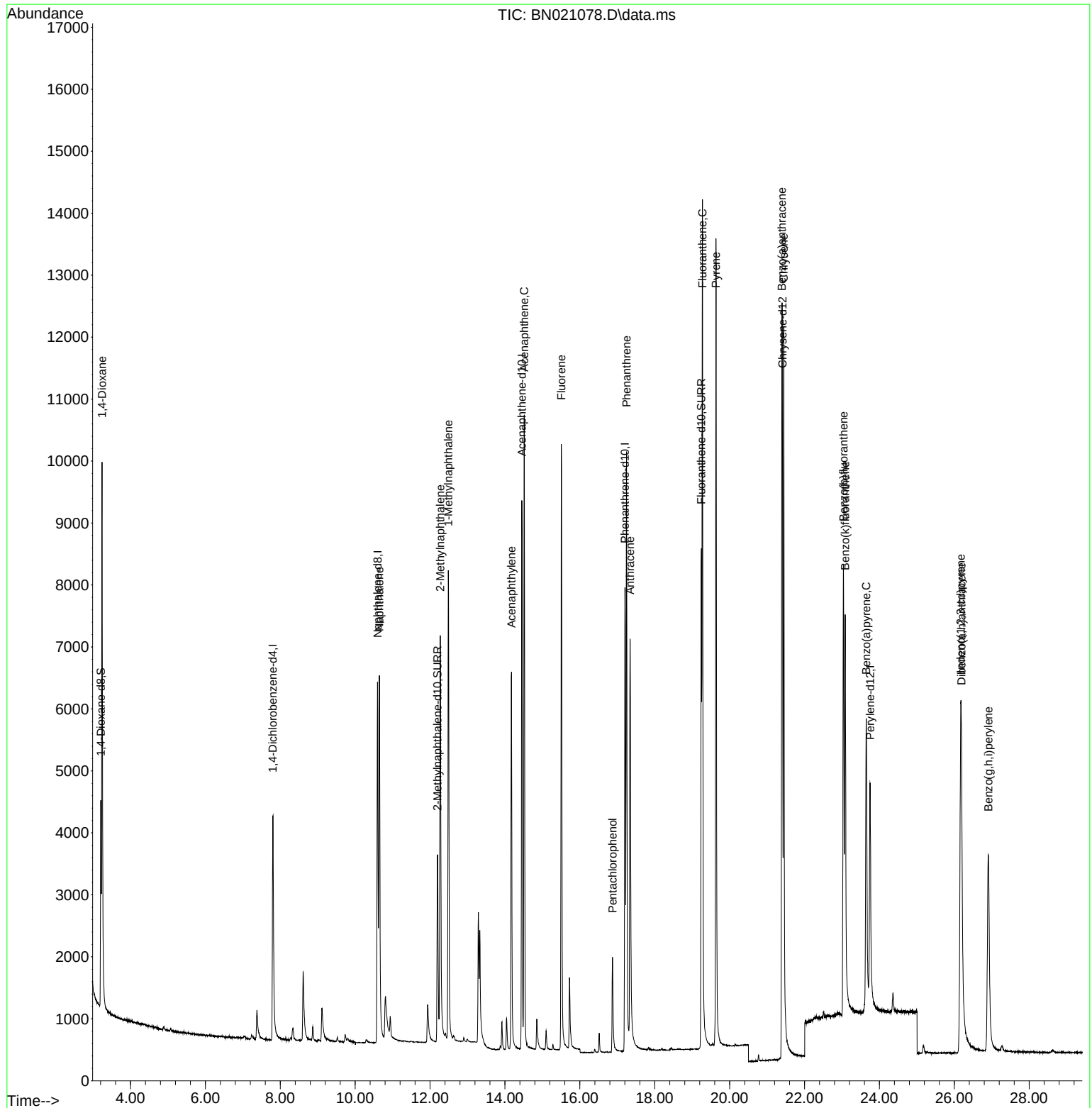
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.801  | 152  | 2634     | 0.400 | ng/ul  | 0.01     |
| 4) Naphthalene-d8           | 10.596 | 136  | 8995     | 0.400 | ng/ul  | 0.01     |
| 9) Acenaphthene-d10         | 14.452 | 164  | 5079     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.205 | 188  | 9752     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.409 | 240  | 7642     | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.751 | 264  | 5894     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.207  | 96   | 2249     | 0.667 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.197 | 152  | 4924     | 0.374 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.245 | 212  | 9939     | 0.421 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.240  | 88   | 5920     | 1.705 | ng/ul# | 83       |
| 5) Naphthalene              | 10.646 | 128  | 9449     | 0.342 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.274 | 142  | 5800     | 0.346 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.488 | 142  | 5947     | 0.355 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.174 | 152  | 8145     | 0.343 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.512 | 153  | 6499     | 0.331 | ng/ul  | 99       |
| 12) Fluorene                | 15.507 | 166  | 7136     | 0.332 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.872 | 266  | 1322     | 0.879 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.248 | 178  | 11435    | 0.328 | ng/ul  | 100      |
| 16) Anthracene              | 17.340 | 178  | 9487     | 0.351 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.272 | 202  | 12649    | 0.374 | ng/ul  | 100      |
| 20) Pyrene                  | 19.635 | 202  | 12965    | 0.371 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.395 | 228  | 9544     | 0.383 | ng/ul  | 100      |
| 22) Chrysene                | 21.445 | 228  | 11438    | 0.348 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.040 | 252  | 9904     | 0.363 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.084 | 252  | 10029    | 0.348 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.648 | 252  | 8918     | 0.358 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.169 | 276  | 9343     | 0.314 | ng/ul  | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.189 | 278  | 7455     | 0.317 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 26.910 | 276  | 8288     | 0.313 | ng/ul  | 99       |

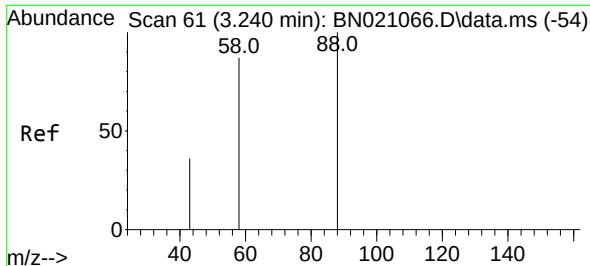
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080822\  
Data File : BN021078.D  
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Quant Time: Aug 09 01:17:20 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080322.M  
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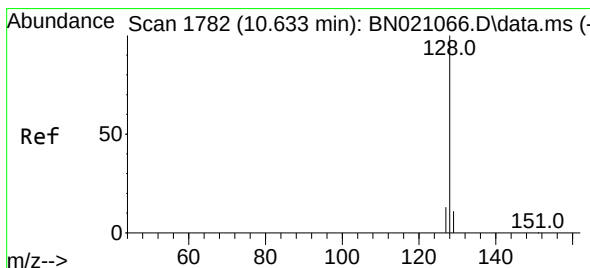
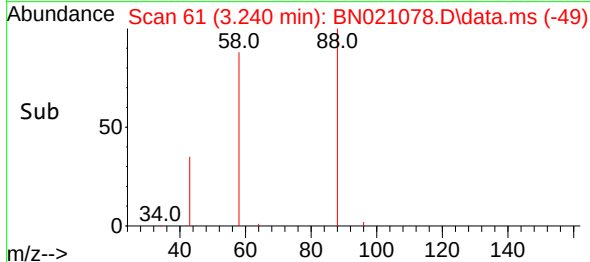
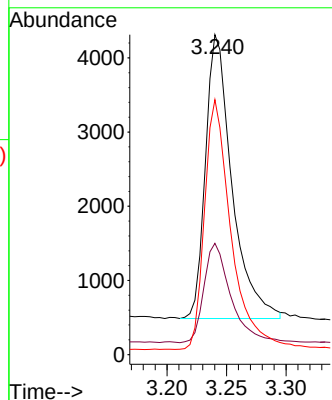
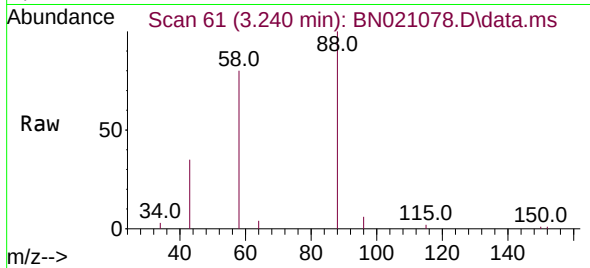




#2  
 1,4-Dioxane  
 Concen: 1.705 ng/ul  
 RT: 3.240 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: BN021078.D  
 Acq: 09 Aug 2022 00:01

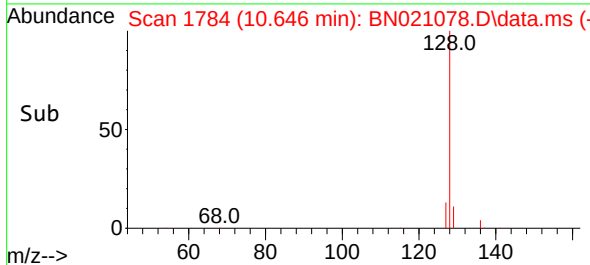
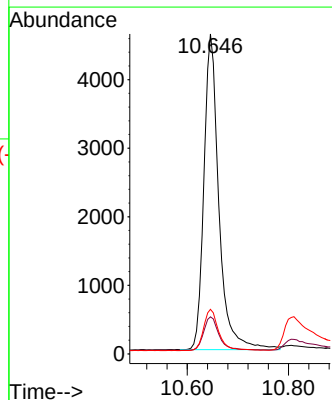
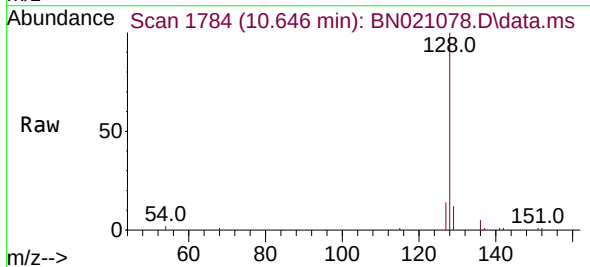
Instrument :  
 BNA\_N  
 ClientSampleId :  
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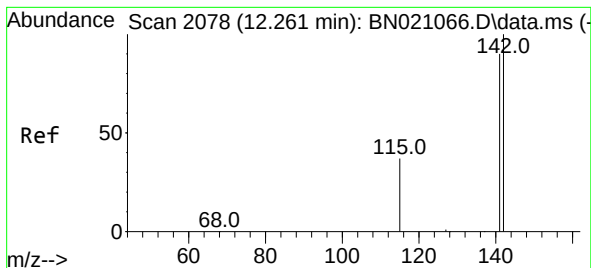
Tgt Ion: 88 Resp: 5920  
 Ion Ratio Lower Upper  
 88 100  
 43 34.8 31.4 47.0  
 58 79.7 49.0 73.6#



#5  
 Naphthalene  
 Concen: 0.342 ng/ul  
 RT: 10.646 min Scan# 1784  
 Delta R.T. 0.012 min  
 Lab File: BN021078.D  
 Acq: 09 Aug 2022 00:01

Tgt Ion: 128 Resp: 9449  
 Ion Ratio Lower Upper  
 128 100  
 129 11.6 9.8 14.6  
 127 13.9 11.6 17.4

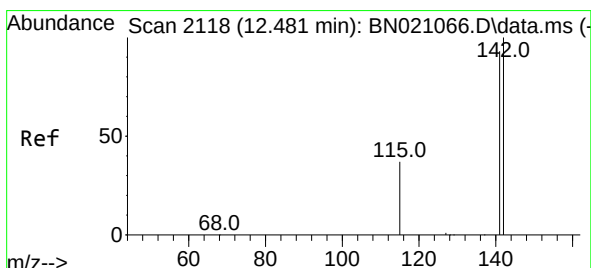
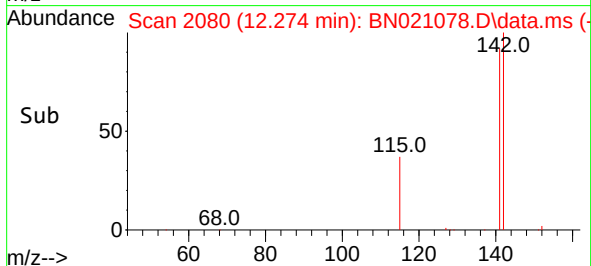
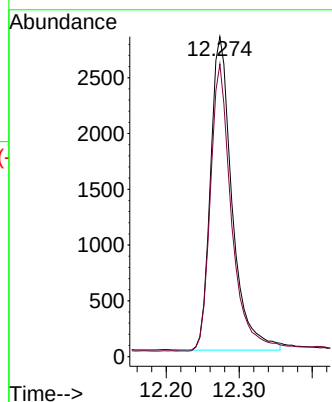
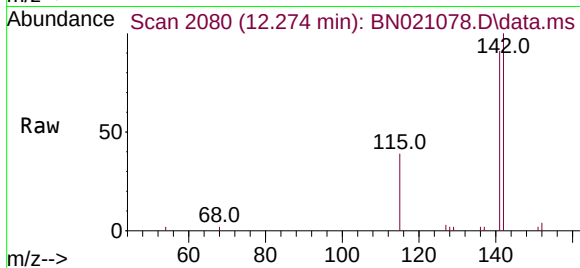




#7  
2-Methylnaphthalene  
Concen: 0.346 ng/ul  
RT: 12.274 min Scan# 2078  
Delta R.T. 0.012 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

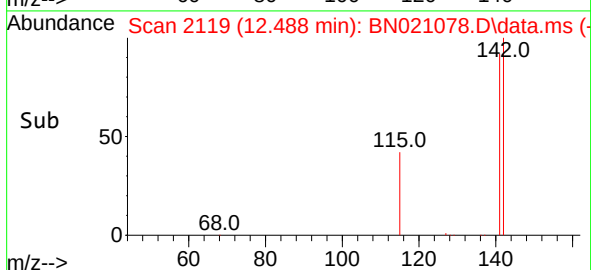
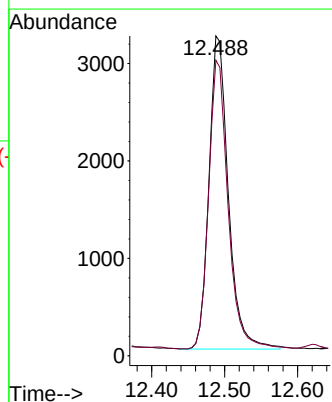
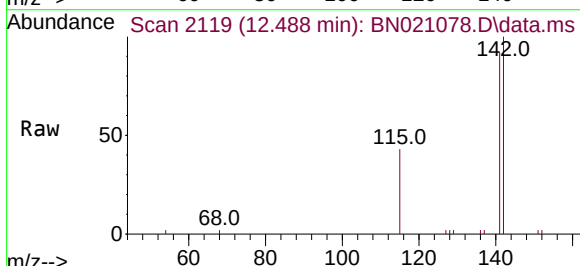
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS835

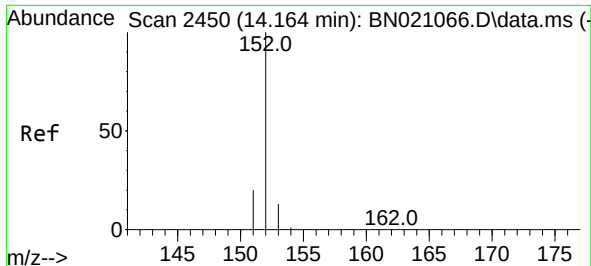
Tgt Ion:142 Resp: 5800  
Ion Ratio Lower Upper  
142 100  
141 89.3 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 0.355 ng/ul  
RT: 12.488 min Scan# 2119  
Delta R.T. 0.007 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:142 Resp: 5947  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.9 110.9

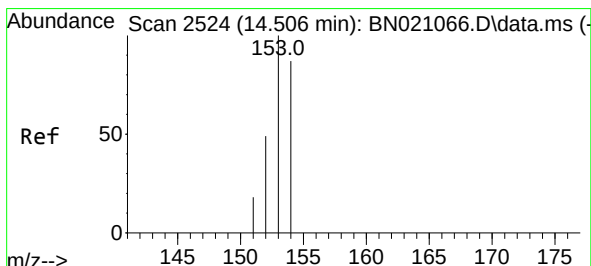
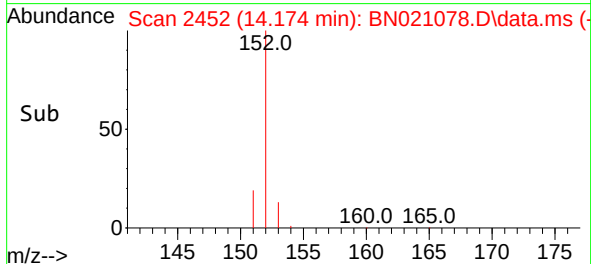
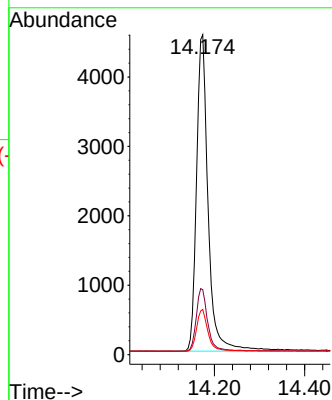
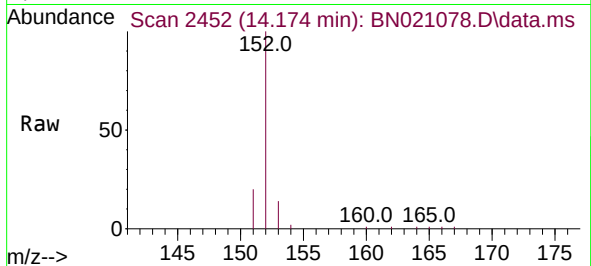




#10  
Acenaphthylene  
Concen: 0.343 ng/ul  
RT: 14.174 min Scan# 2450  
Delta R.T. 0.011 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

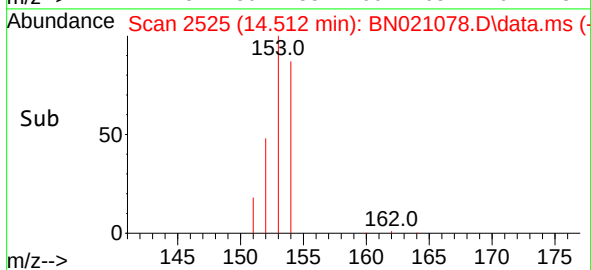
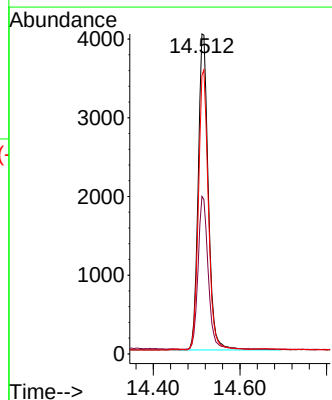
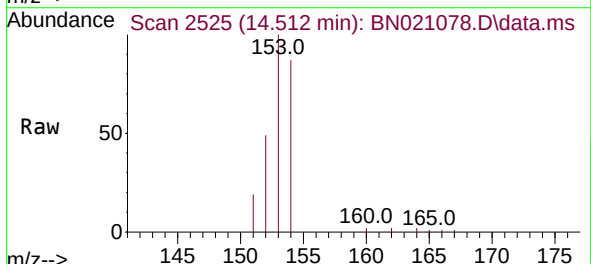
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ClientSampleId :  
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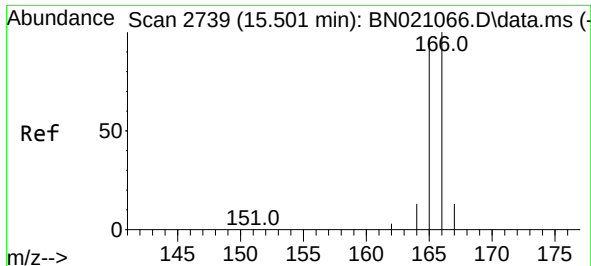
Tgt Ion:152 Resp: 8145  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.9 25.3  
153 14.1 11.2 16.8



#11  
Acenaphthene  
Concen: 0.331 ng/ul  
RT: 14.512 min Scan# 2525  
Delta R.T. 0.006 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:153 Resp: 6499  
Ion Ratio Lower Upper  
153 100  
152 49.2 40.2 60.4  
154 87.1 70.7 106.1

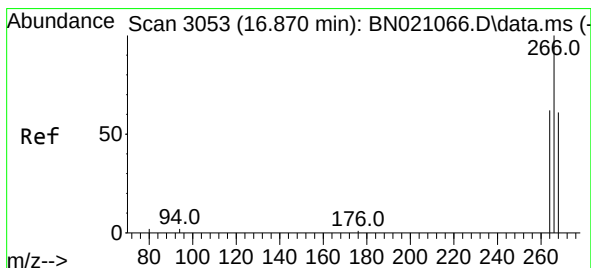
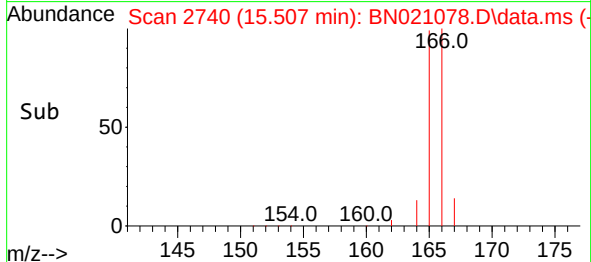
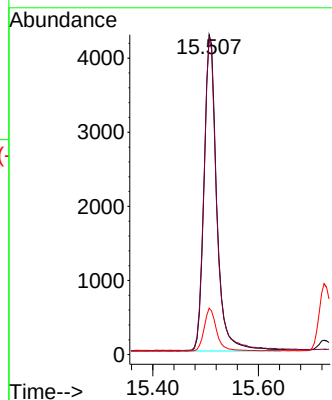
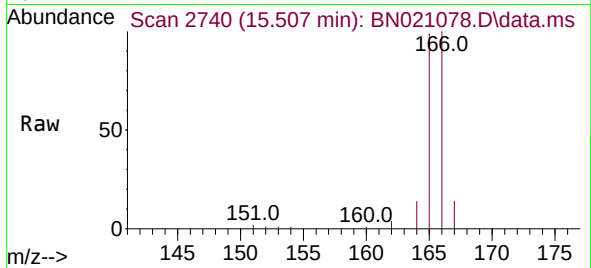




#12  
Fluorene  
Concen: 0.332 ng/ul  
RT: 15.507 min Scan# 2739  
Delta R.T. 0.006 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

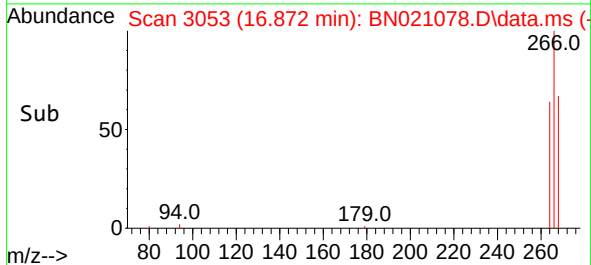
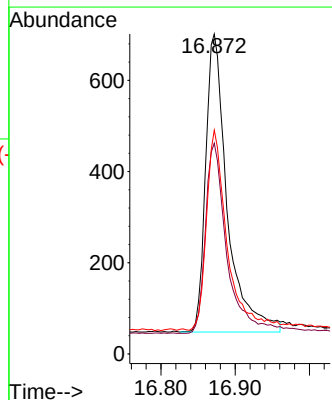
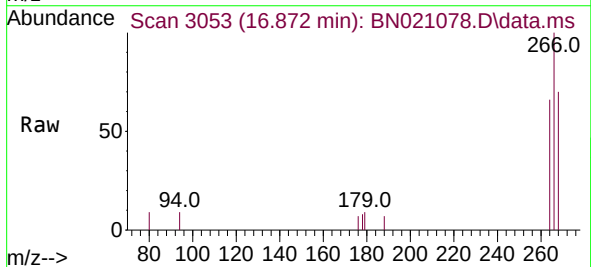
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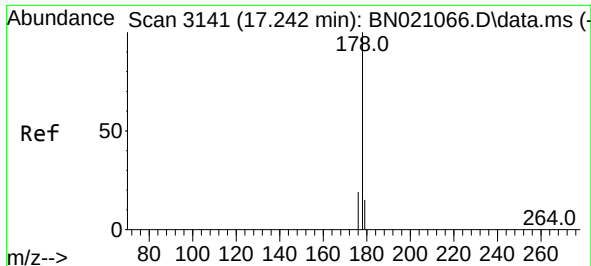
Tgt Ion:166 Resp: 7136  
Ion Ratio Lower Upper  
166 100  
165 98.9 78.6 117.8  
167 14.5 11.8 17.6



#14  
Pentachlorophenol  
Concen: 0.879 ng/ul  
RT: 16.872 min Scan# 3053  
Delta R.T. 0.001 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:266 Resp: 1322  
Ion Ratio Lower Upper  
266 100  
264 63.1 49.8 74.8  
268 64.9 50.6 75.8

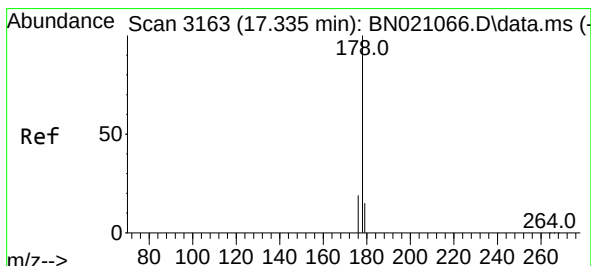
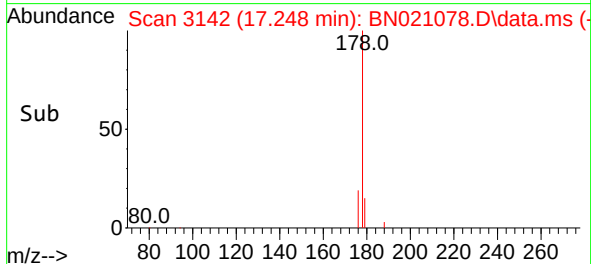
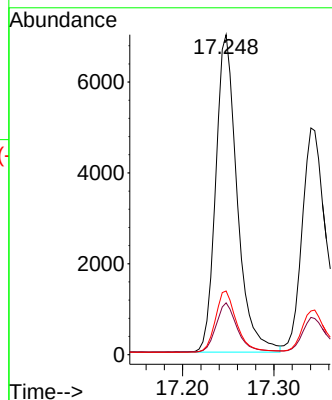
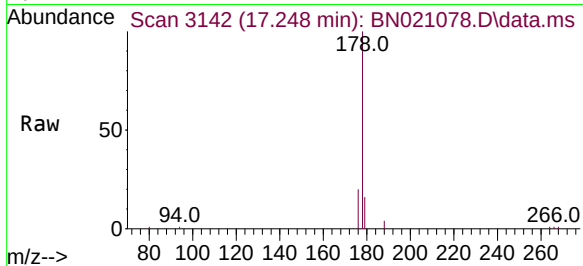




#15  
Phenanthrene  
Concen: 0.328 ng/ul  
RT: 17.248 min Scan# 3141  
Delta R.T. 0.006 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

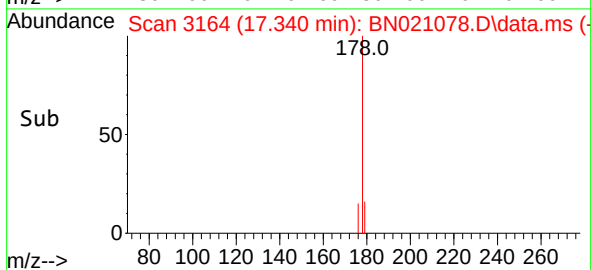
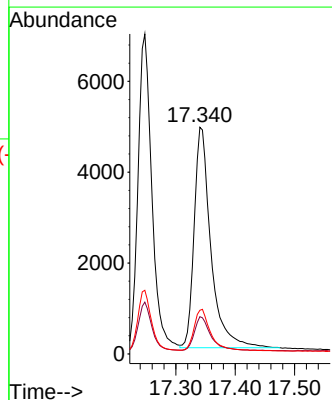
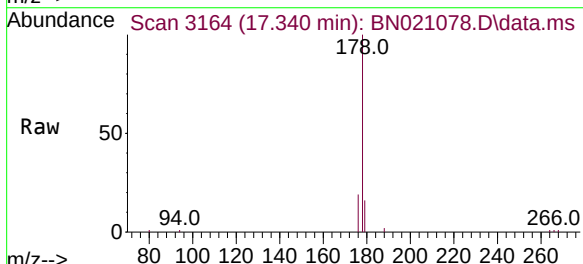
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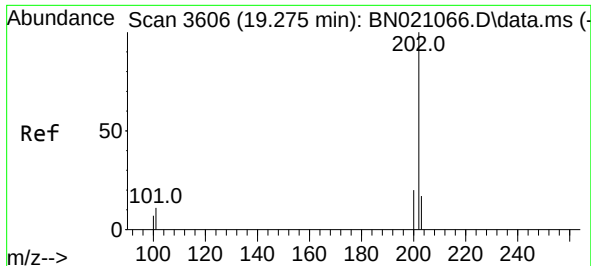
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Ion Ratio Lower Upper  
178 100  
179 16.2 12.8 19.2  
176 19.9 15.9 23.9



#16  
Anthracene  
Concen: 0.351 ng/ul  
RT: 17.340 min Scan# 3164  
Delta R.T. 0.006 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:178 Resp: 9487  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.9 19.3  
176 19.2 15.9 23.9

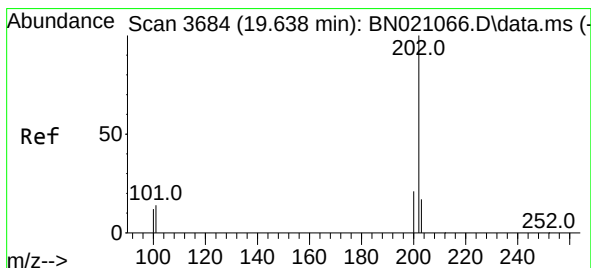
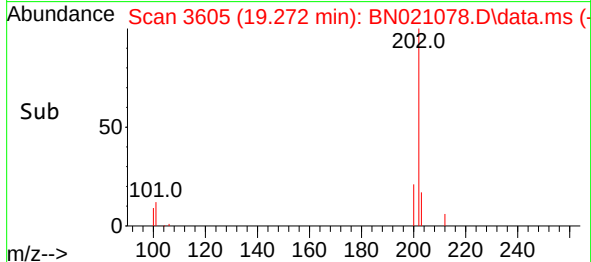
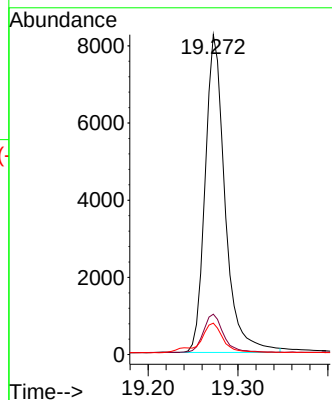
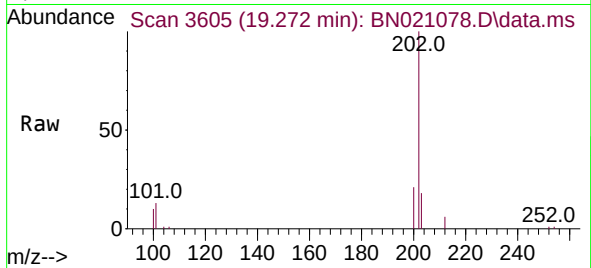




#19  
Fluoranthene  
Concen: 0.374 ng/ul  
RT: 19.272 min Scan# 3605  
Delta R.T. -0.003 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

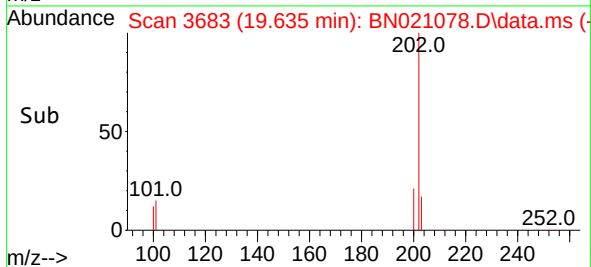
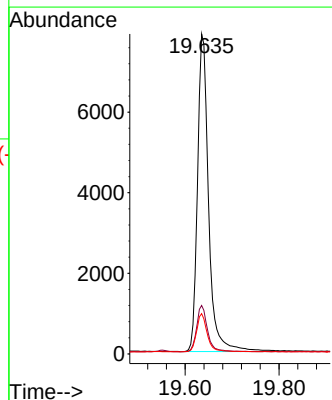
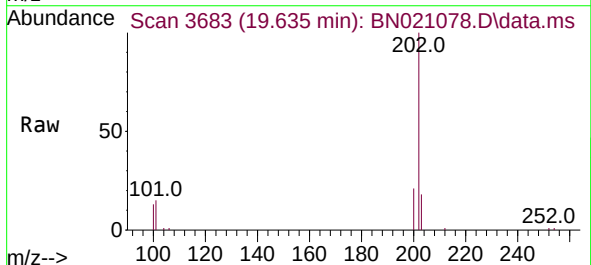
Instrument :  
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Tgt Ion:202 Resp: 12649  
Ion Ratio Lower Upper  
202 100  
101 12.6 10.0 15.0  
100 9.8 8.0 12.0

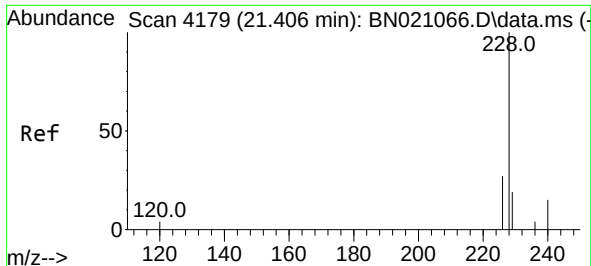


#20  
Pyrene  
Concen: 0.371 ng/ul  
RT: 19.635 min Scan# 3683  
Delta R.T. -0.003 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:202 Resp: 12965  
Ion Ratio Lower Upper  
202 100  
101 15.1 11.3 16.9  
100 12.6 9.0 13.4



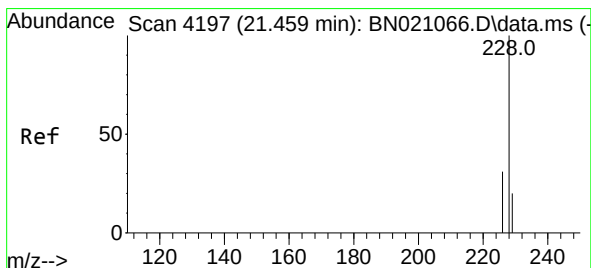
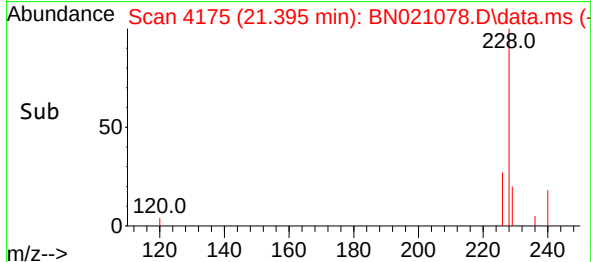
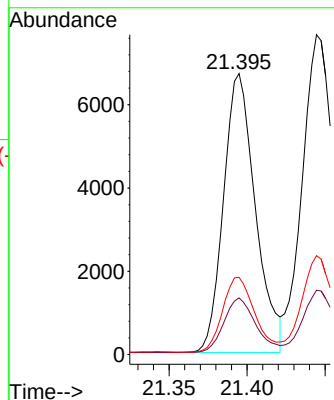
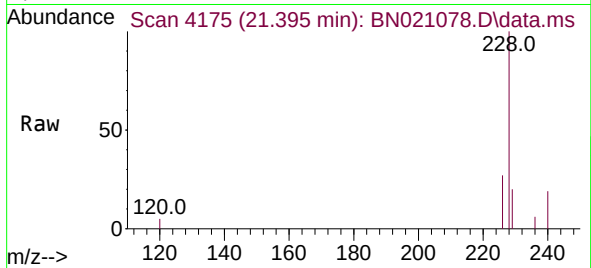




#21  
Benzo(a)anthracene  
Concen: 0.383 ng/ul  
RT: 21.395 min Scan# 4179  
Delta R.T. -0.012 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

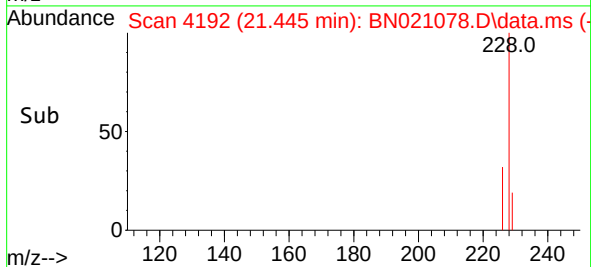
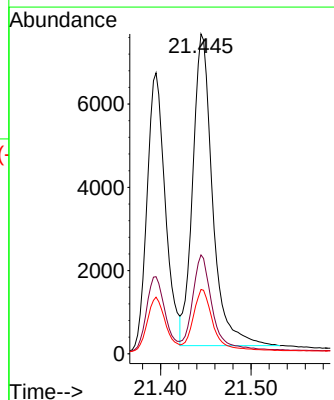
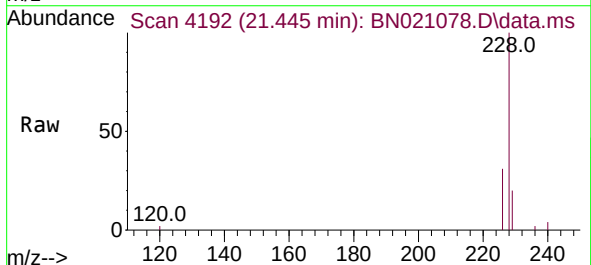
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS835

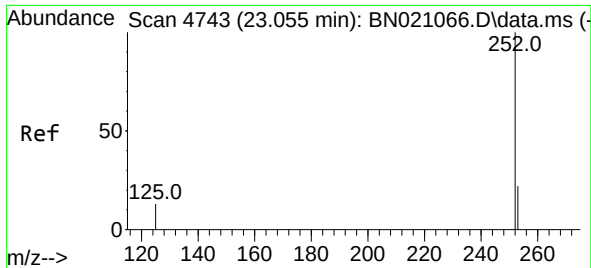
Tgt Ion:228 Resp: 9544  
Ion Ratio Lower Upper  
228 100  
229 20.2 16.0 24.0  
226 27.5 21.9 32.9



#22  
Chrysene  
Concen: 0.348 ng/ul  
RT: 21.445 min Scan# 4192  
Delta R.T. -0.014 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:228 Resp: 11438  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.6 37.0  
229 20.1 15.8 23.8

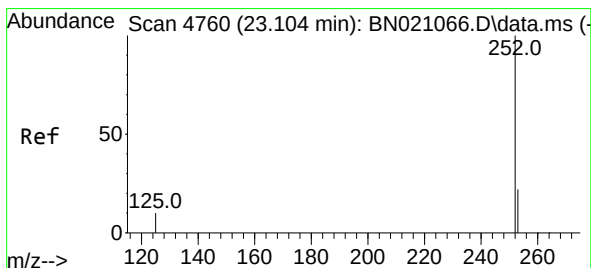
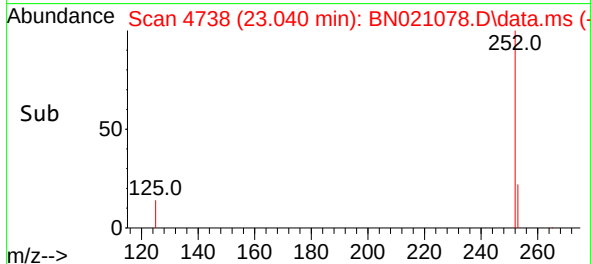
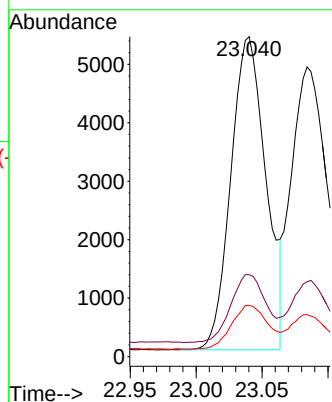
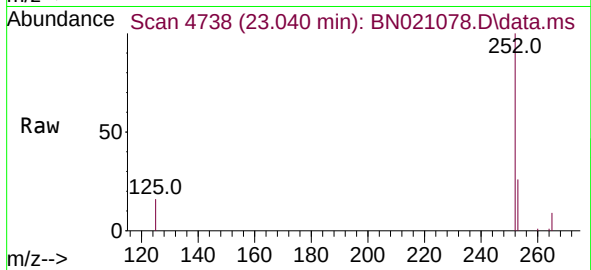




#24  
Benzo(b)fluoranthene  
Concen: 0.363 ng/ul  
RT: 23.040 min Scan# 4743  
Delta R.T. -0.014 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

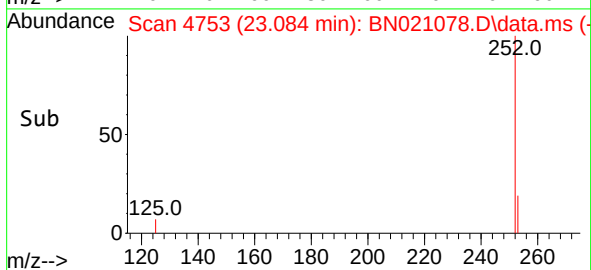
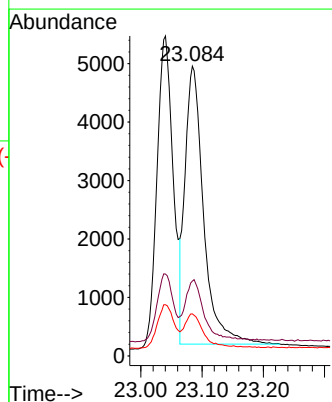
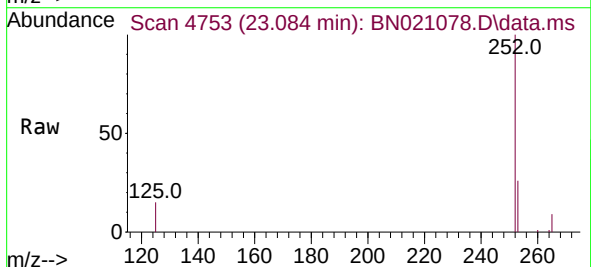
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS835

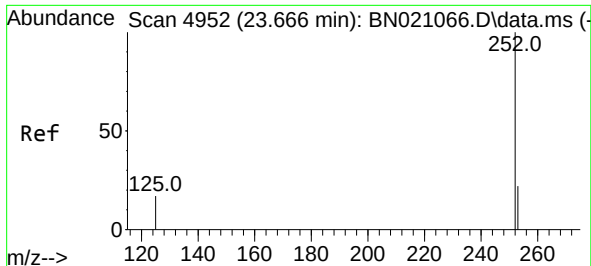
Tgt Ion:252 Resp: 9904  
Ion Ratio Lower Upper  
252 100  
253 25.6 0.0 50.8  
125 16.0 0.0 30.0



#25  
Benzo(k)fluoranthene  
Concen: 0.348 ng/ul  
RT: 23.084 min Scan# 4753  
Delta R.T. -0.020 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:252 Resp: 10029  
Ion Ratio Lower Upper  
252 100  
253 25.9 20.6 31.0  
125 14.5 11.8 17.6

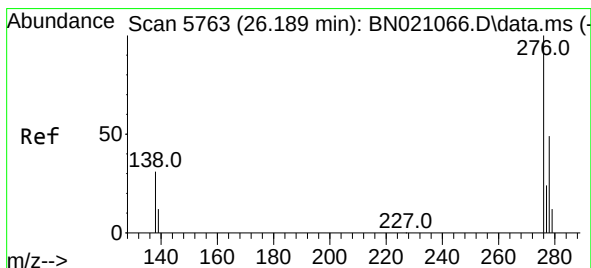
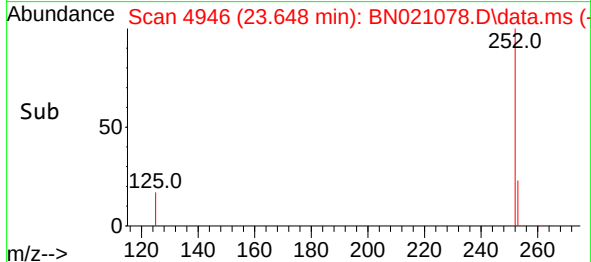
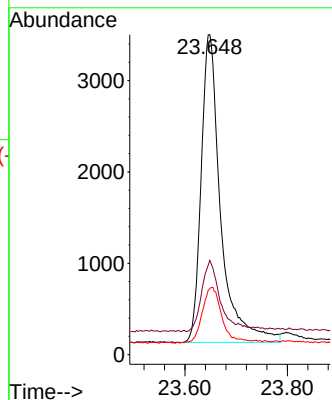
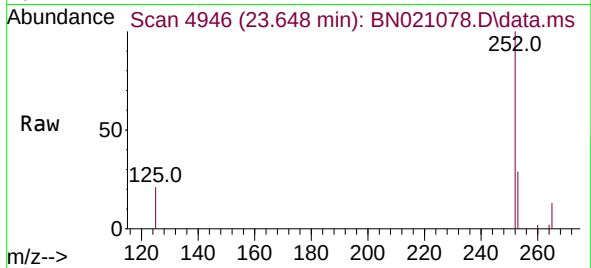




#26  
Benzo(a)pyrene  
Concen: 0.358 ng/ul  
RT: 23.648 min Scan# 4952  
Delta R.T. -0.017 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

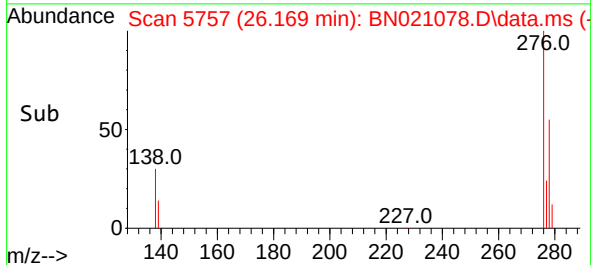
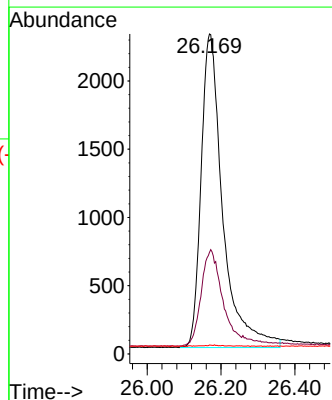
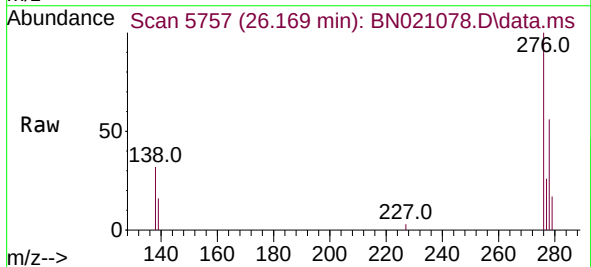
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS835

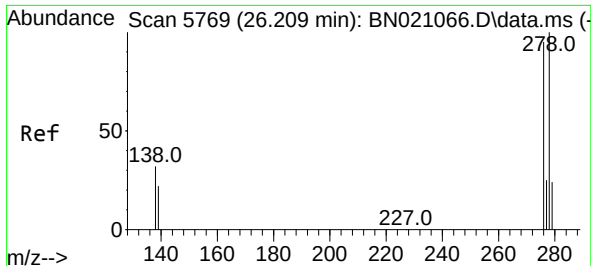
Tgt Ion:252 Resp: 8918  
Ion Ratio Lower Upper  
252 100  
253 29.4 22.1 33.1  
125 20.6 14.7 22.1



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.314 ng/ul  
RT: 26.169 min Scan# 5757  
Delta R.T. -0.020 min  
Lab File: BN021078.D  
Acq: 09 Aug 2022 00:01

Tgt Ion:276 Resp: 9343  
Ion Ratio Lower Upper  
276 100  
138 32.5 26.1 39.1  
227 0.1 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.317 ng/ul

RT: 26.189 min Scan# 51

Delta R.T. -0.020 min

Lab File: BN021078.D

Acq: 09 Aug 2022 00:01

Instrument :

BNA\_N

ClientSampleId :

SLCS835

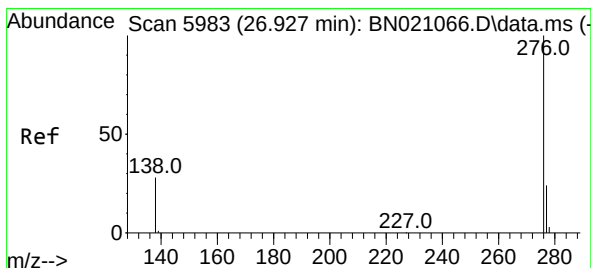
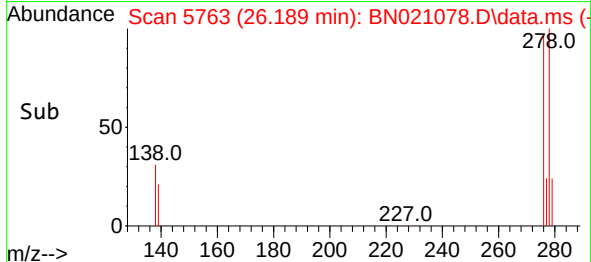
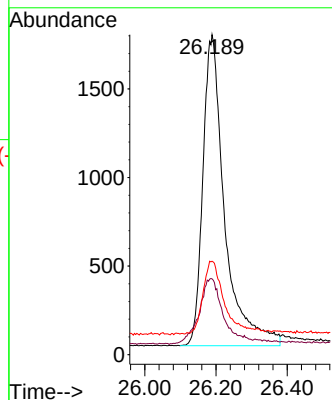
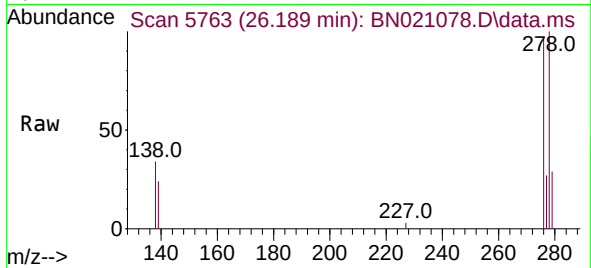
Tgt Ion:278 Resp: 7455

Ion Ratio Lower Upper

278 100

139 23.7 18.3 27.5

279 29.2 23.9 35.9



#29

Benzo(g,h,i)perylene

Concen: 0.313 ng/ul

RT: 26.910 min Scan# 5978

Delta R.T. -0.017 min

Lab File: BN021078.D

Acq: 09 Aug 2022 00:01

Tgt Ion:276 Resp: 8288

Ion Ratio Lower Upper

276 100

138 29.1 22.6 34.0

277 25.7 20.2 30.2

