

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033023\  
 Data File : BN024720.D  
 Acq On : 01 Apr 2023 17:17  
 Operator : CG/JU  
 Sample : PB151706BS  
 Misc :  
 ALS Vial : 76 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS706

Quant Time: Apr 03 01:38:01 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN033023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 01 04:05:52 2023  
 Response via : Initial Calibration

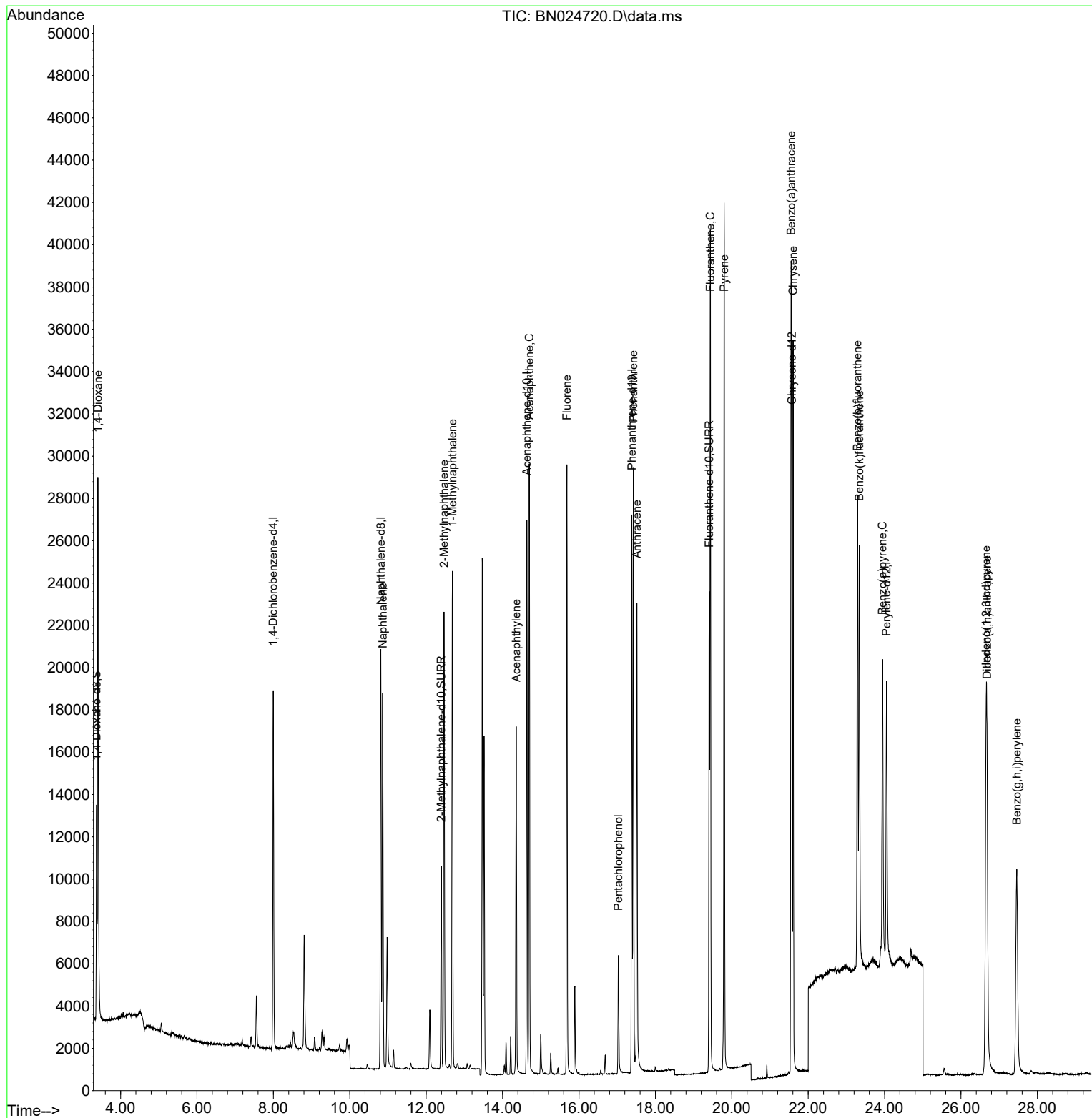
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.996  | 152  | 8687     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.812 | 136  | 25813    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.633 | 164  | 14044    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.384 | 188  | 30635    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.568 | 240  | 23105    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.050 | 264  | 18395    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.372  | 96   | 5997     | 0.673 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.396 | 152  | 11866    | 0.373 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.408 | 212  | 23948    | 0.424 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.406  | 88   | 16095    | 1.716 | ng/ul  | 92       |
| 5) Naphthalene              | 10.861 | 128  | 24307    | 0.383 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.467 | 142  | 15049    | 0.381 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.687 | 142  | 15852    | 0.384 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.356 | 152  | 19039    | 0.383 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.698 | 153  | 16668    | 0.387 | ng/ul  | 100      |
| 12) Fluorene                | 15.684 | 166  | 18675    | 0.380 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.033 | 266  | 3907     | 0.590 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.422 | 178  | 31081    | 0.370 | ng/ul  | 99       |
| 16) Anthracene              | 17.515 | 178  | 25693    | 0.366 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.436 | 202  | 33763    | 0.415 | ng/ul  | 98       |
| 20) Pyrene                  | 19.799 | 202  | 34250    | 0.413 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.551 | 228  | 29040    | 0.418 | ng/ul  | 99       |
| 22) Chrysene                | 21.603 | 228  | 30851    | 0.404 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.290 | 252  | 29116    | 0.381 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.340 | 252  | 27372    | 0.372 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.945 | 252  | 23113    | 0.385 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.656 | 276  | 26779    | 0.374 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.680 | 278  | 21030    | 0.367 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 27.461 | 276  | 22676    | 0.368 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

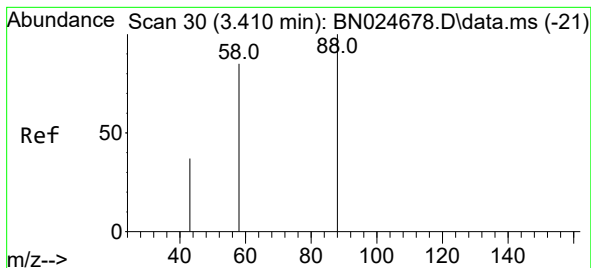
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033023\  
Data File : BN024720.D  
Acq On : 01 Apr 2023 17:17  
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Sample : PB151706BS  
Misc :  
ALS Vial : 76 Sample Multiplier: 1

Instrument :  
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Quant Time: Apr 03 01:38:01 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN033023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Apr 01 04:05:52 2023  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.716 ng/ul

RT: 3.406 min Scan# 29

Delta R.T. 0.000 min

Lab File: BN024720.D

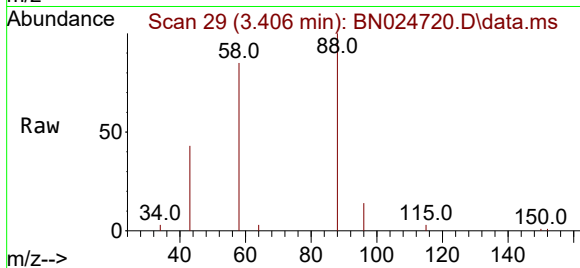
Acq: 01 Apr 2023 17:17

Instrument :

BNA\_N

ClientSampleId :

SLCS706



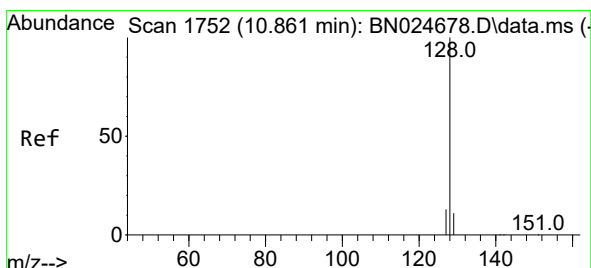
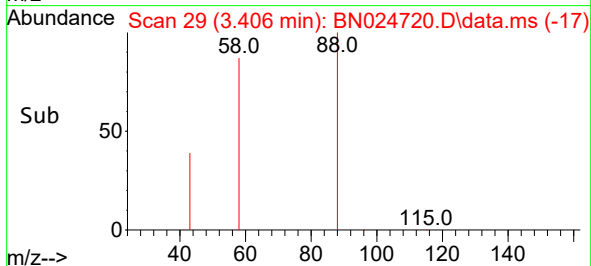
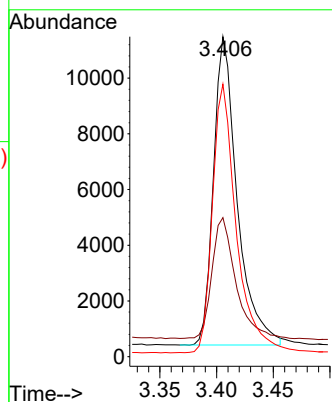
Tgt Ion: 88 Resp: 16095

Ion Ratio Lower Upper

88 100

43 43.5 37.2 55.8

58 85.1 61.5 92.3



#5

Naphthalene

Concen: 0.383 ng/ul

RT: 10.861 min Scan# 1752

Delta R.T. 0.000 min

Lab File: BN024720.D

Acq: 01 Apr 2023 17:17

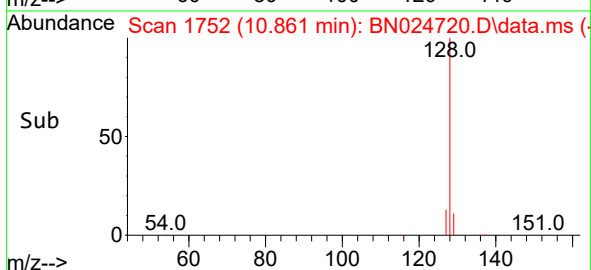
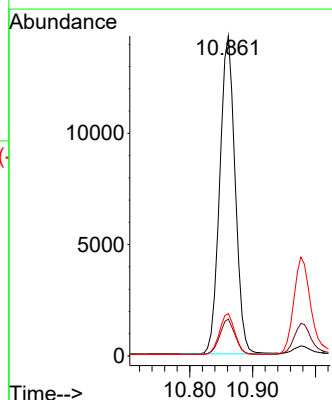
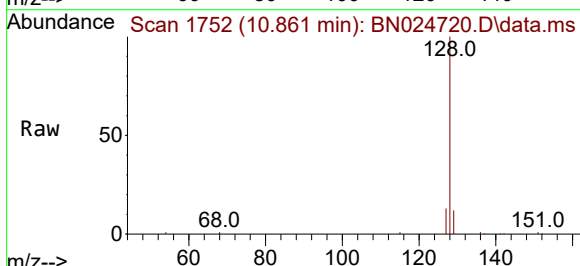
Tgt Ion: 128 Resp: 24307

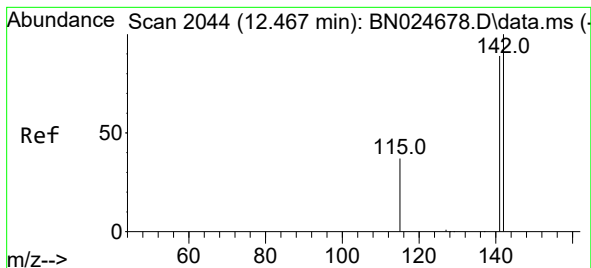
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

127 13.3 10.5 15.7

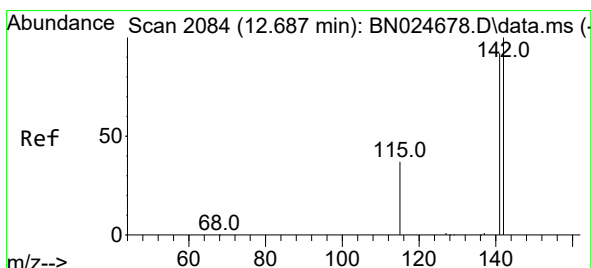
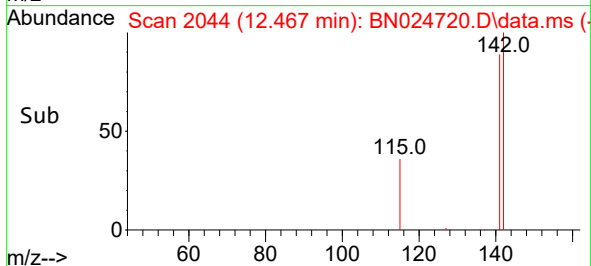
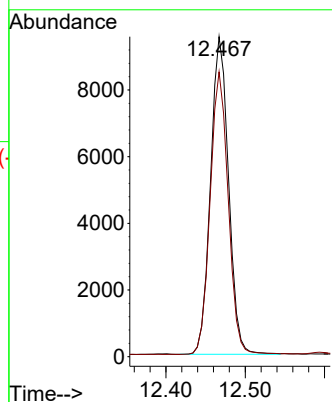
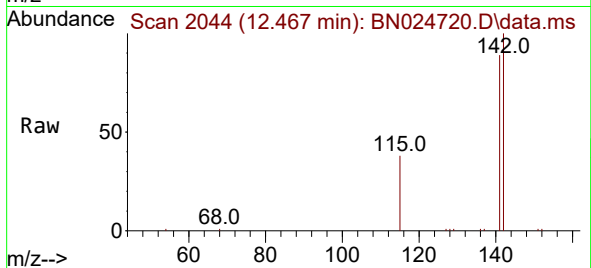




#7  
2-Methylnaphthalene  
Concen: 0.381 ng/ul  
RT: 12.467 min Scan# 2044  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

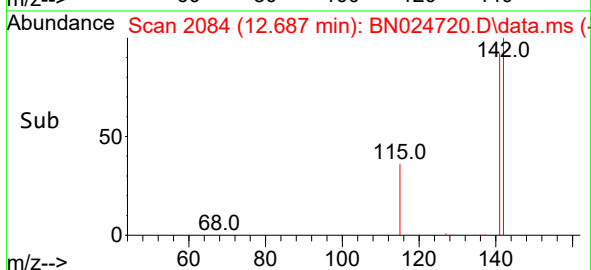
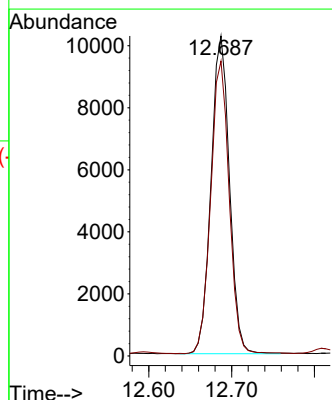
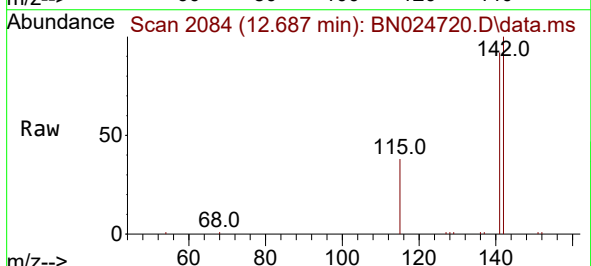
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS706

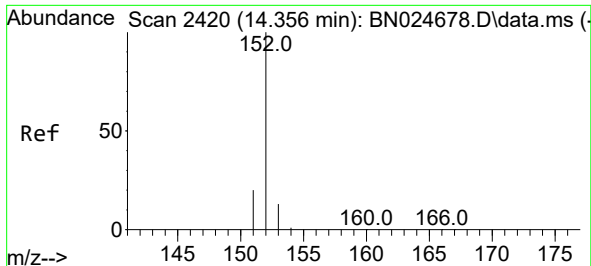
Tgt Ion:142 Resp: 15049  
Ion Ratio Lower Upper  
142 100  
141 89.2 70.9 106.3



#8  
1-Methylnaphthalene  
Concen: 0.384 ng/ul  
RT: 12.687 min Scan# 2084  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:142 Resp: 15852  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.5 110.3

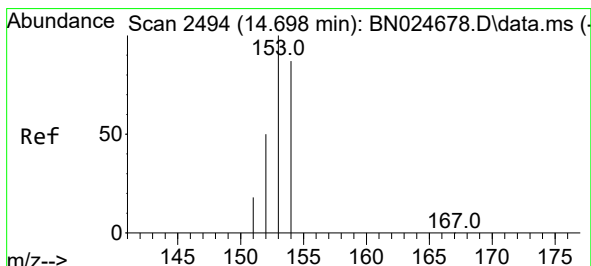
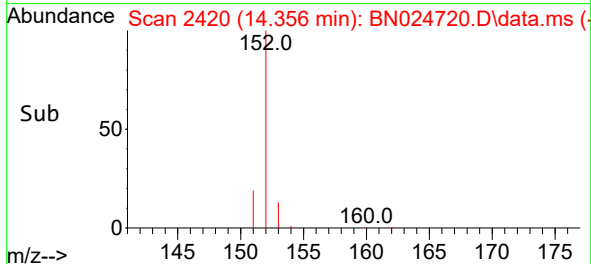
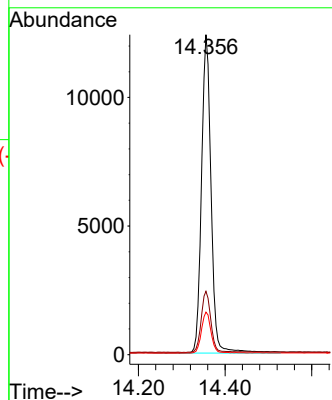
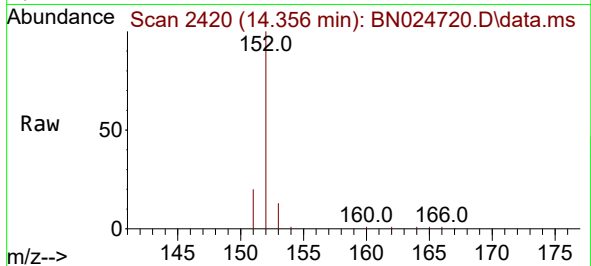




#10  
Acenaphthylene  
Concen: 0.383 ng/ul  
RT: 14.356 min Scan# 2420  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

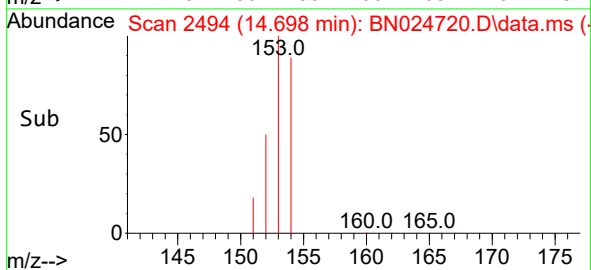
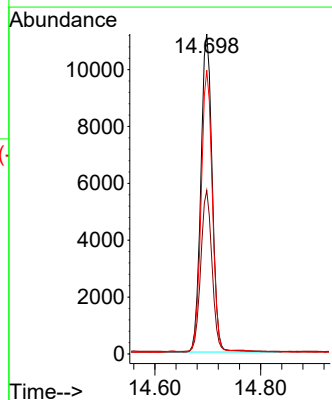
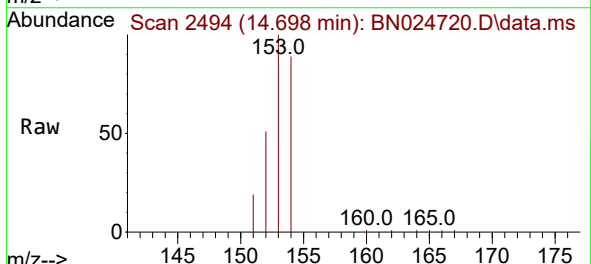
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BNA\_N  
ClientSampleId :  
SLCS706

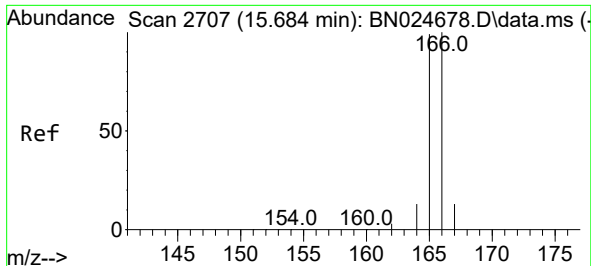
Tgt Ion:152 Resp: 19039  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.1 24.1  
153 13.3 10.6 16.0



#11  
Acenaphthene  
Concen: 0.387 ng/ul  
RT: 14.698 min Scan# 2494  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:153 Resp: 16668  
Ion Ratio Lower Upper  
153 100  
152 51.1 40.3 60.5  
154 88.6 71.0 106.4

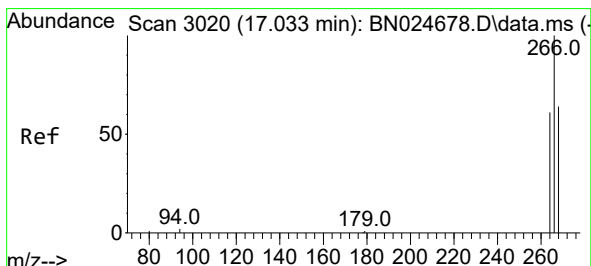
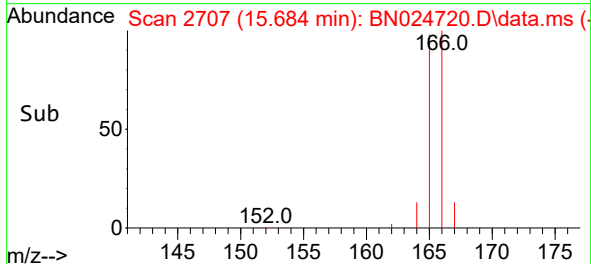
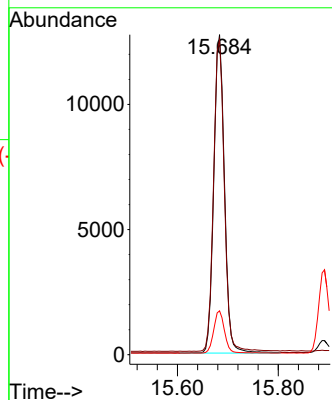
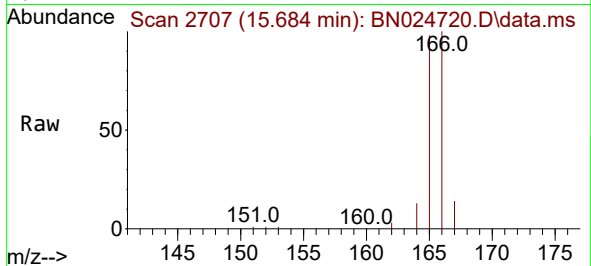




#12  
Fluorene  
Concen: 0.380 ng/ul  
RT: 15.684 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

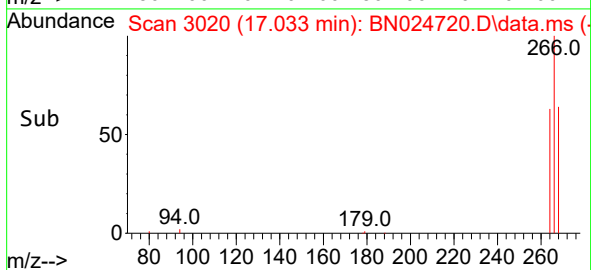
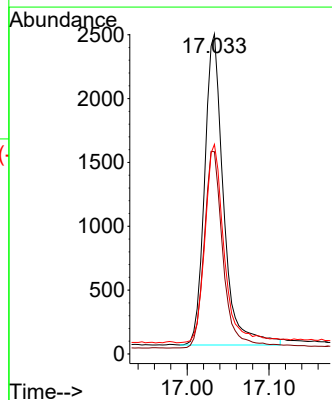
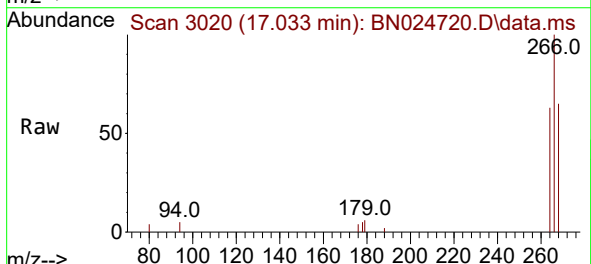
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ClientSampleId :  
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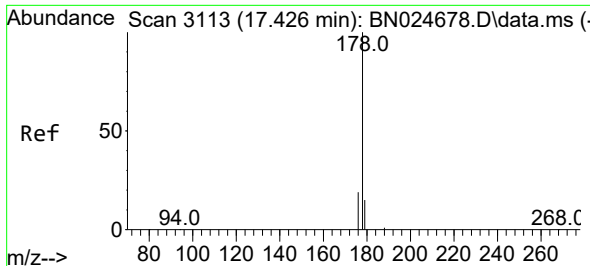
Tgt Ion:166 Resp: 18675  
Ion Ratio Lower Upper  
166 100  
165 98.4 80.0 120.0  
167 13.7 10.8 16.2



#14  
Pentachlorophenol  
Concen: 0.590 ng/ul  
RT: 17.033 min Scan# 3020  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:266 Resp: 3907  
Ion Ratio Lower Upper  
266 100  
264 63.7 49.6 74.4  
268 64.8 52.6 78.8

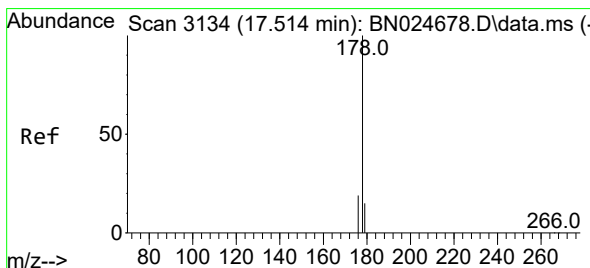
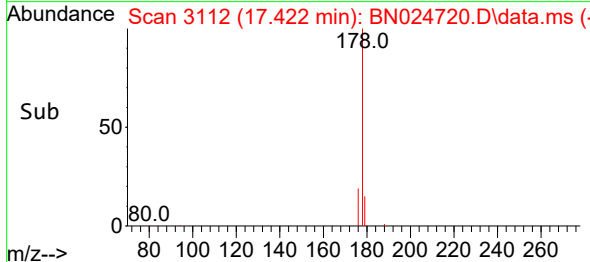
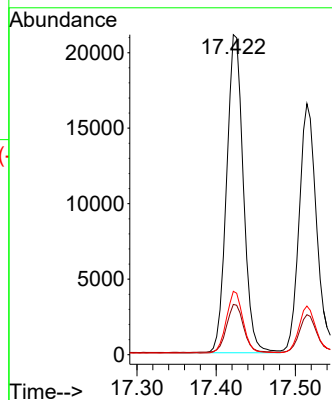
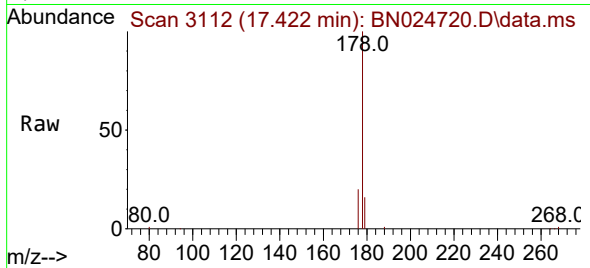




#15  
Phenanthrene  
Concen: 0.370 ng/u1  
RT: 17.422 min Scan# 3112  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

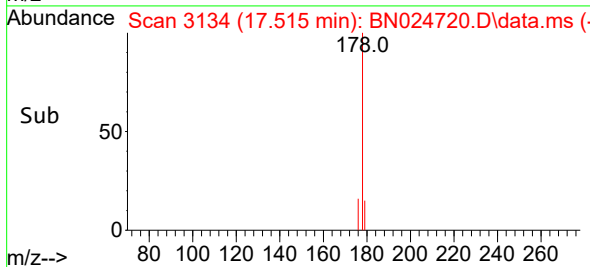
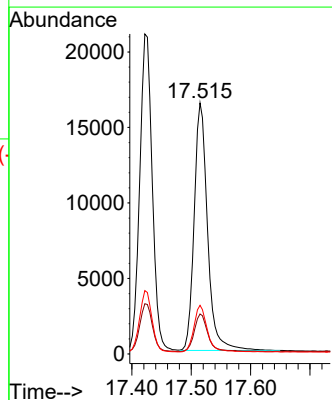
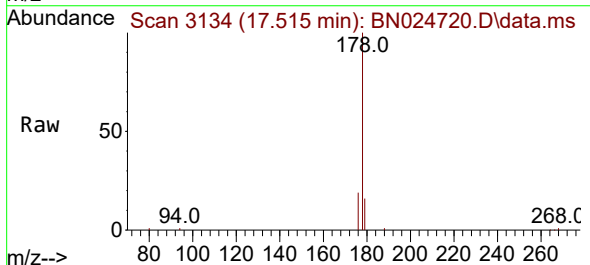
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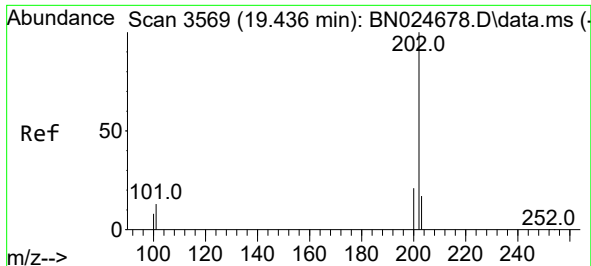
Tgt Ion:178 Resp: 31081  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.3 18.5  
176 19.8 15.5 23.3



#16  
Anthracene  
Concen: 0.366 ng/u1  
RT: 17.515 min Scan# 3134  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:178 Resp: 25693  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.7 19.1  
176 19.4 15.2 22.8

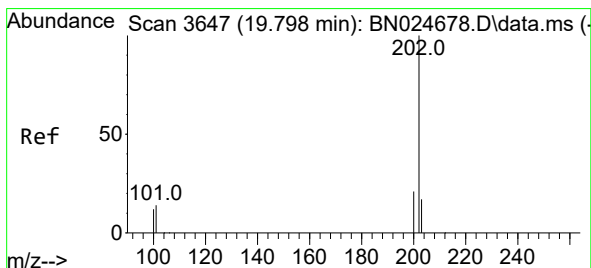
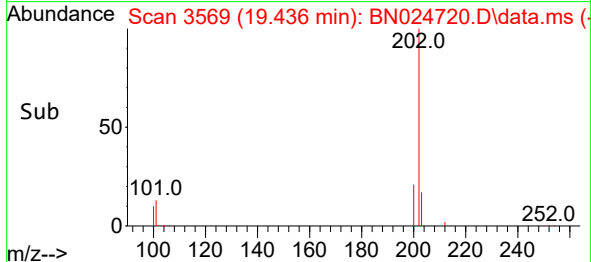
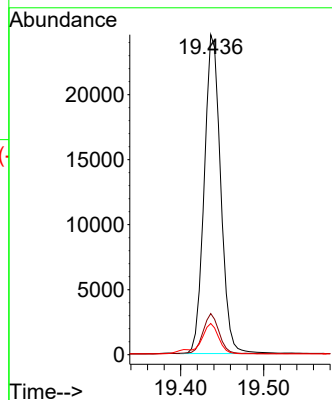
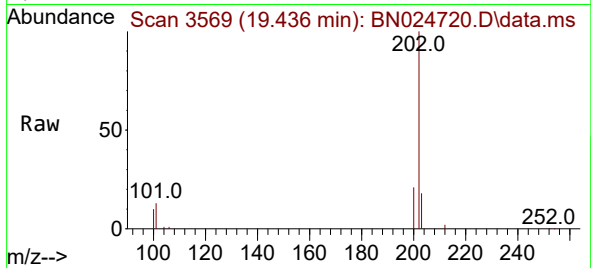




#19  
Fluoranthene  
Concen: 0.415 ng/ul  
RT: 19.436 min Scan# 3569  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

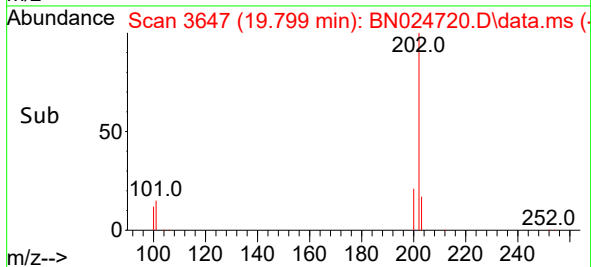
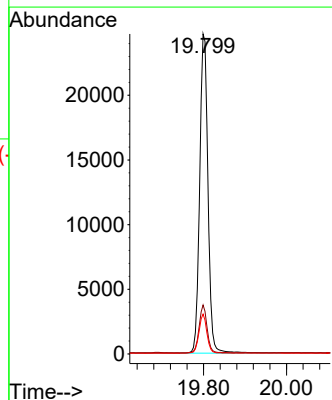
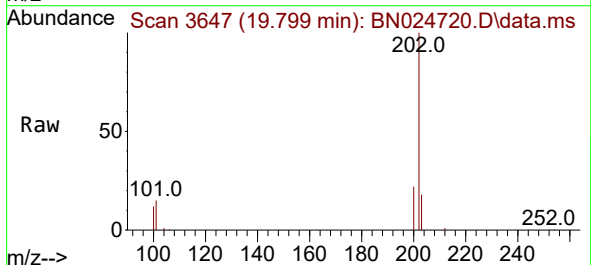
Instrument :  
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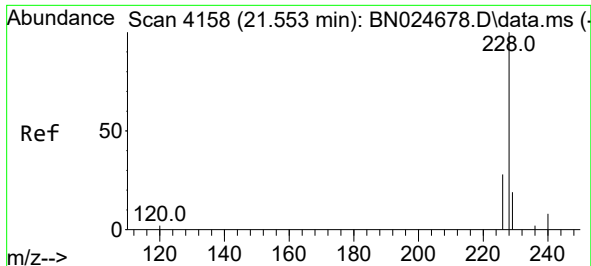
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Ion Ratio Lower Upper  
202 100  
101 12.8 9.6 14.4  
100 9.8 7.0 10.6



#20  
Pyrene  
Concen: 0.413 ng/ul  
RT: 19.799 min Scan# 3647  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:202 Resp: 34250  
Ion Ratio Lower Upper  
202 100  
101 15.3 10.9 16.3  
100 12.5 8.7 13.1

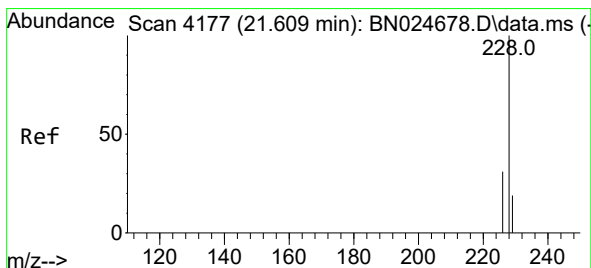
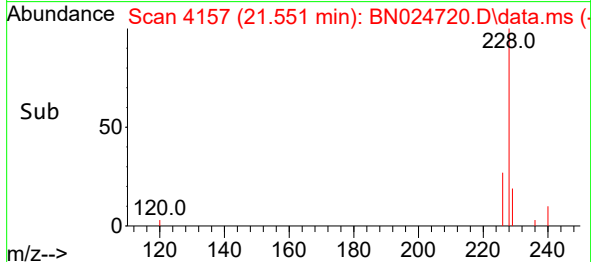
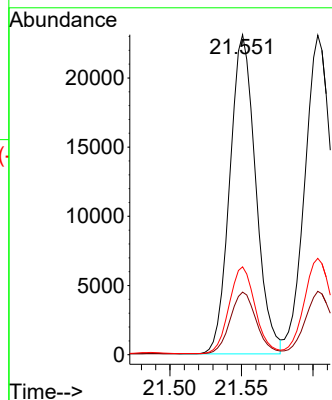
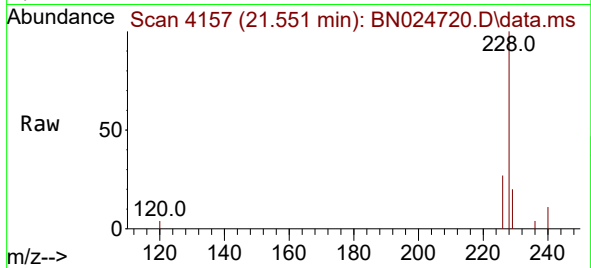




#21  
Benzo(a)anthracene  
Concen: 0.418 ng/ul  
RT: 21.551 min Scan# 4158  
Delta R.T. 0.003 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

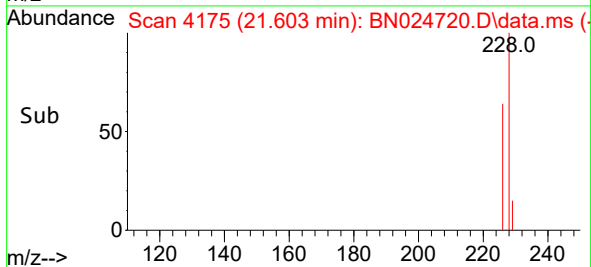
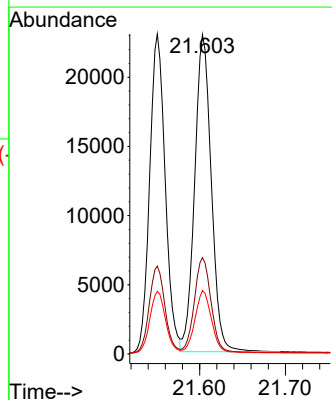
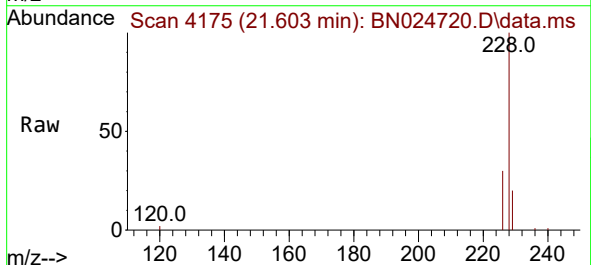
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS706

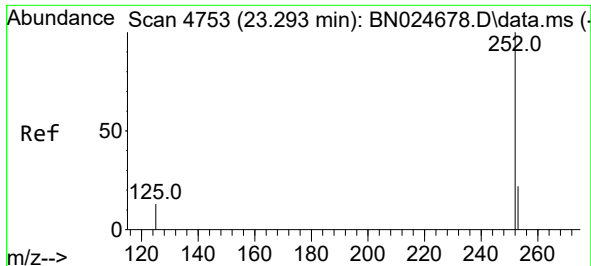
Tgt Ion:228 Resp: 29040  
Ion Ratio Lower Upper  
228 100  
229 19.5 15.6 23.4  
226 27.5 22.5 33.7



#22  
Chrysene  
Concen: 0.404 ng/ul  
RT: 21.603 min Scan# 4175  
Delta R.T. 0.000 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:228 Resp: 30851  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.6 37.0  
229 19.8 15.6 23.4

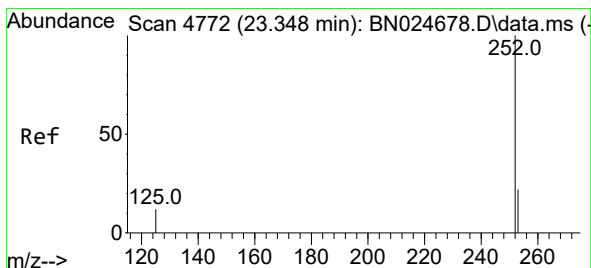
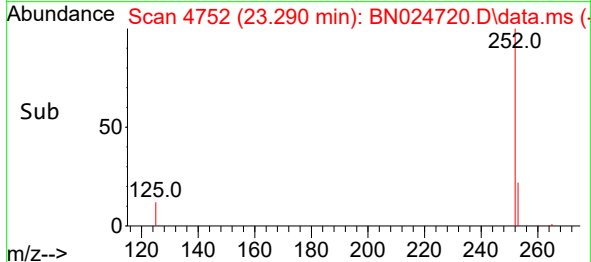
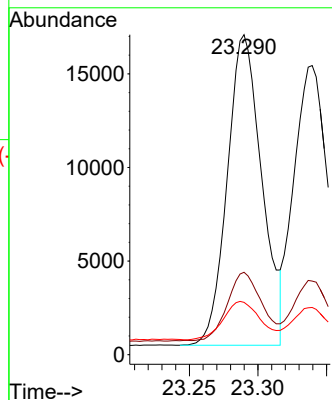
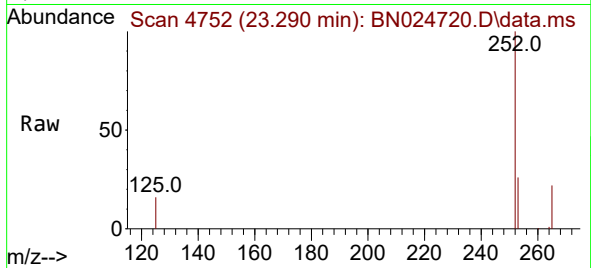




#24  
Benzo(b)fluoranthene  
Concen: 0.381 ng/ul  
RT: 23.290 min Scan# 4753  
Delta R.T. 0.006 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

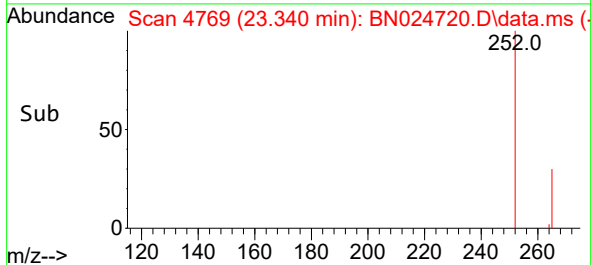
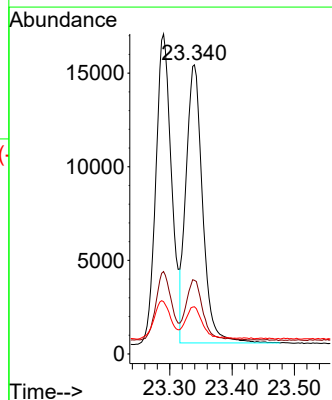
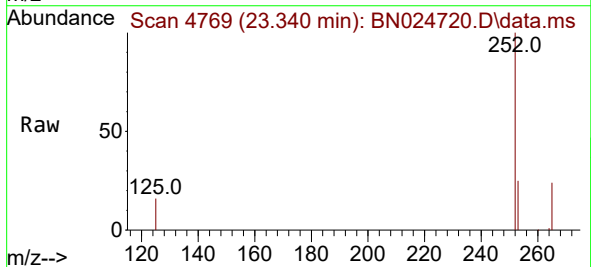
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS706

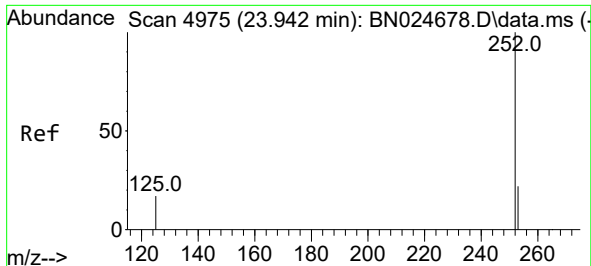
Tgt Ion:252 Resp: 29116  
Ion Ratio Lower Upper  
252 100  
253 25.8 0.0 49.6  
125 16.4 0.0 32.4



#25  
Benzo(k)fluoranthene  
Concen: 0.372 ng/ul  
RT: 23.340 min Scan# 4769  
Delta R.T. 0.006 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:252 Resp: 27372  
Ion Ratio Lower Upper  
252 100  
253 25.5 20.2 30.2  
125 16.4 13.1 19.7

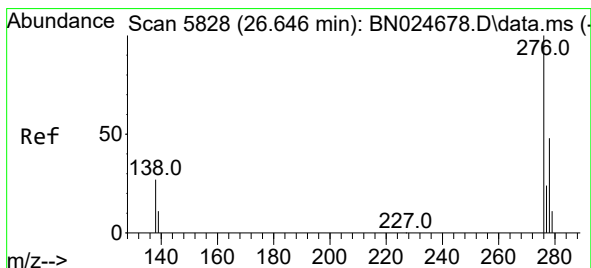
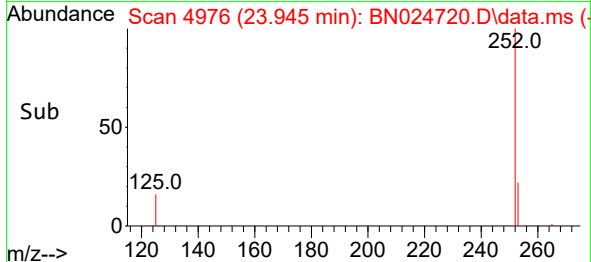
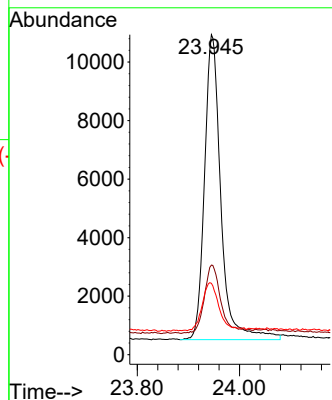
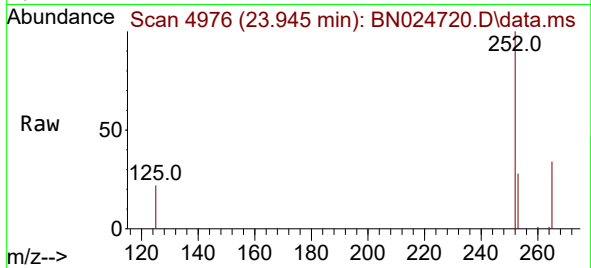




#26  
Benzo(a)pyrene  
Concen: 0.385 ng/ul  
RT: 23.945 min Scan# 4975  
Delta R.T. 0.006 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

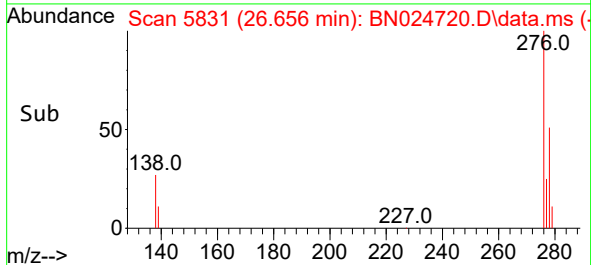
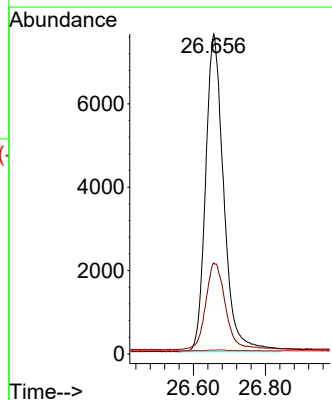
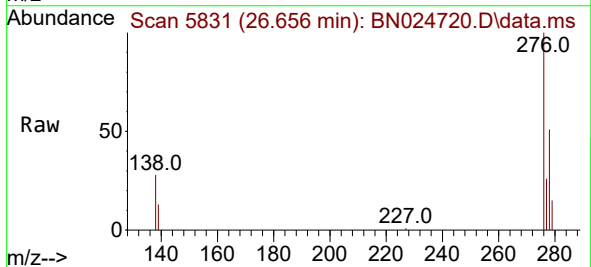
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS706

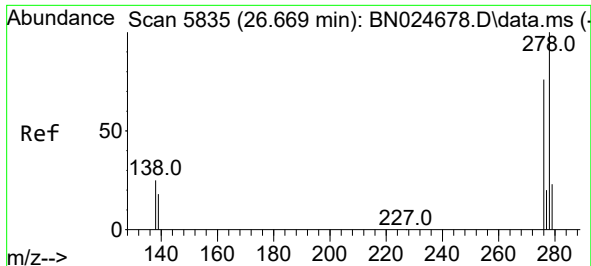
Tgt Ion:252 Resp: 23113  
Ion Ratio Lower Upper  
252 100  
253 28.0 21.8 32.8  
125 22.3 15.4 23.0



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.374 ng/ul  
RT: 26.656 min Scan# 5831  
Delta R.T. 0.010 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:276 Resp: 26779  
Ion Ratio Lower Upper  
276 100  
138 29.9 24.6 36.8  
227 0.1 0.1 0.1

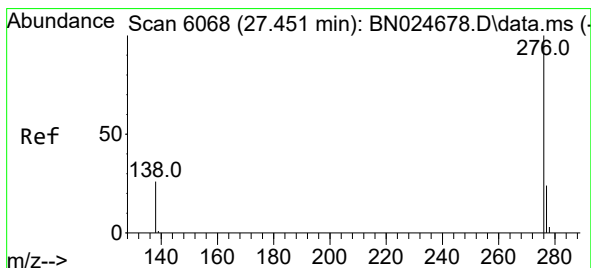
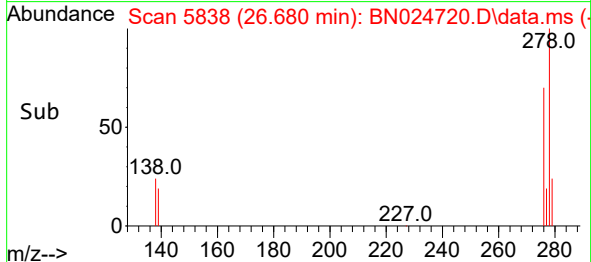
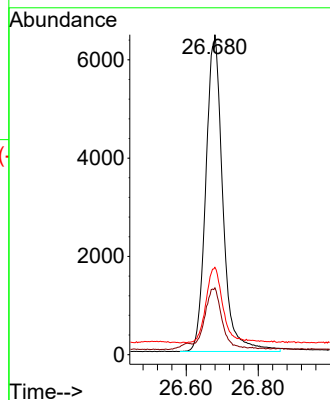
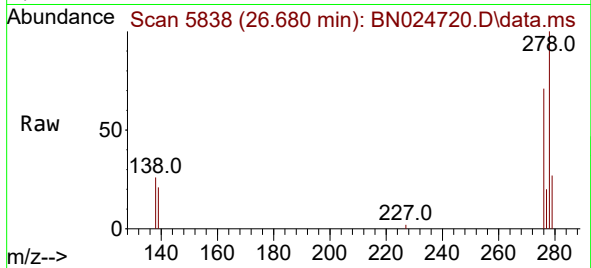




#28  
Dibenzo(a,h)anthracene  
Concen: 0.367 ng/ul  
RT: 26.680 min Scan# 51  
Delta R.T. 0.014 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS706

Tgt Ion:278 Resp: 21030  
Ion Ratio Lower Upper  
278 100  
139 20.9 16.5 24.7  
279 27.3 21.8 32.8



#29  
Benzo(g,h,i)perylene  
Concen: 0.368 ng/ul  
RT: 27.461 min Scan# 6071  
Delta R.T. 0.017 min  
Lab File: BN024720.D  
Acq: 01 Apr 2023 17:17

Tgt Ion:276 Resp: 22676  
Ion Ratio Lower Upper  
276 100  
138 26.2 21.4 32.2  
277 25.6 19.8 29.6

