

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072323\  
 Data File : BN026677.D  
 Acq On : 23 Jul 2023 15:18  
 Operator : MA/JU  
 Sample : 03504-22MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 24 00:41:38 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 24 00:39:11 2023  
 Response via : Initial Calibration

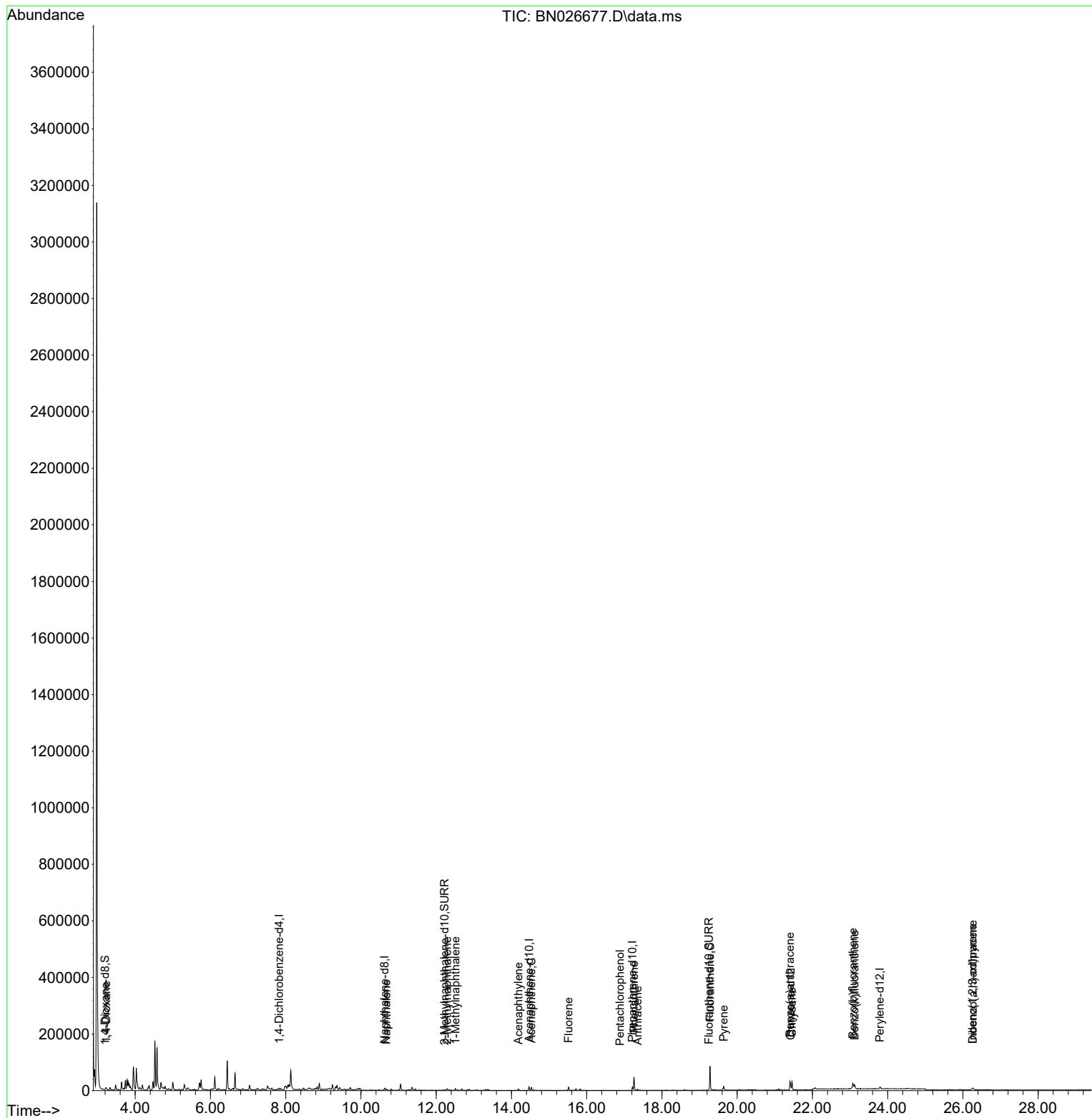
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.823  | 152  | 3734     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.625 | 136  | 12033    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.467 | 164  | 7375     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.215 | 188  | 15985    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.419 | 240  | 11641    | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.793 | 264  | 9741     | 0.400 | ng/ul # | 0.00     |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.199  | 96   | 884      | 0.180 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.220 | 152  | 2684     | 0.164 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.246 | 212  | 4767     | 0.118 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       |         | Qvalue   |
| 2) 1,4-Dioxane              | 3.233  | 88   | 3409     | 0.733 | ng/ul#  | 1        |
| 5) Naphthalene              | 10.674 | 128  | 7170     | 0.217 | ng/ul   | 97       |
| 7) 2-Methylnaphthalene      | 12.291 | 142  | 4161     | 0.222 | ng/ul   | 98       |
| 8) 1-Methylnaphthalene      | 12.511 | 142  | 4456     | 0.222 | ng/ul   | 95       |
| 10) Acenaphthylene          | 14.189 | 152  | 6151     | 0.170 | ng/ul   | 97       |
| 11) Acenaphthene            | 14.527 | 153  | 6754     | 0.245 | ng/ul   | 99       |
| 12) Fluorene                | 15.517 | 166  | 8111     | 0.281 | ng/ul   | 99       |
| 14) Pentachlorophenol       | 16.881 | 266  | 151      | 0.037 | ng/ul   | 95       |
| 15) Phenanthrene            | 17.257 | 178  | 51330    | 1.008 | ng/ul   | 97       |
| 16) Anthracene              | 17.354 | 178  | 4852     | 0.110 | ng/ul   | 96       |
| 19) Fluoranthene            | 19.278 | 202  | 79557    | 1.458 | ng/ul#  | 94       |
| 20) Pyrene                  | 19.641 | 202  | 14534    | 0.245 | ng/ul   | 100      |
| 21) Benzo(a)anthracene      | 21.402 | 228  | 26140    | 0.611 | ng/ul   | 99       |
| 22) Chrysene                | 21.454 | 228  | 28389    | 0.583 | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 23.073 | 252  | 31775    | 0.837 | ng/ul   | 91       |
| 25) Benzo(k)fluoranthene    | 23.120 | 252  | 19744    | 0.496 | ng/ul#  | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.254 | 276  | 5918     | 0.134 | ng/ul#  | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.261 | 278  | 10734    | 0.316 | ng/ul   | 97       |
| -----                       |        |      |          |       |         |          |

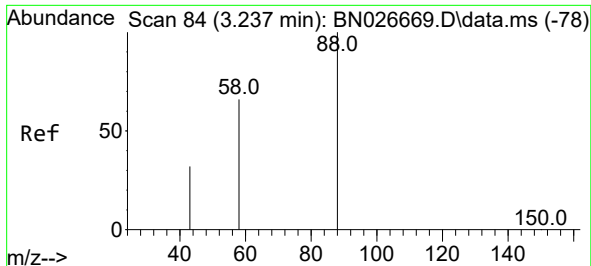
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072323\  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 24 00:41:38 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 24 00:39:11 2023  
Response via : Initial Calibration

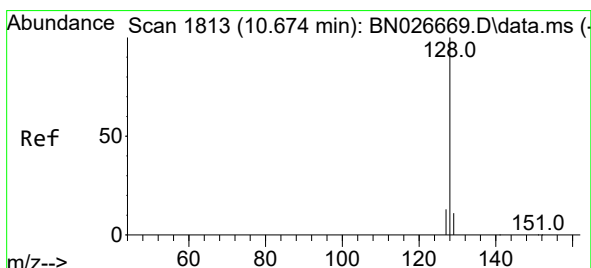
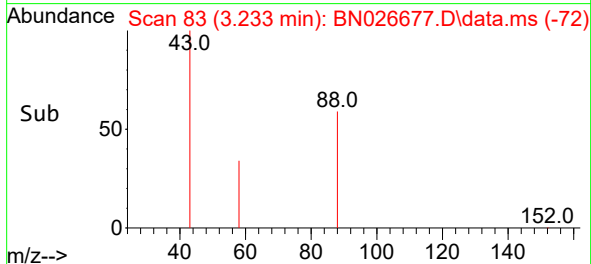
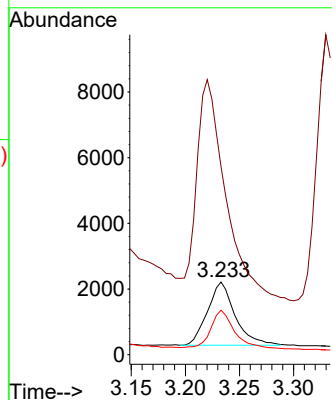
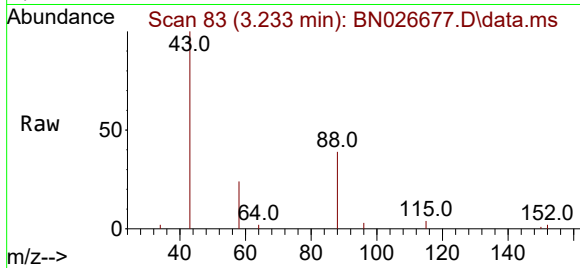




#2  
1,4-Dioxane  
Concen: 0.733 ng/ul  
RT: 3.233 min Scan# 84  
Delta R.T. -0.004 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

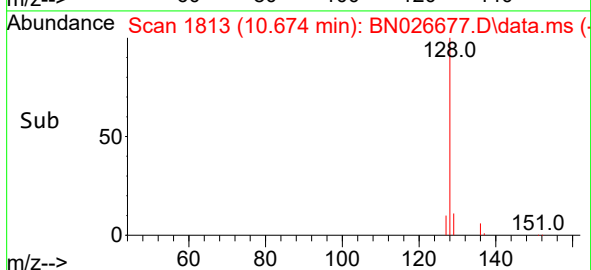
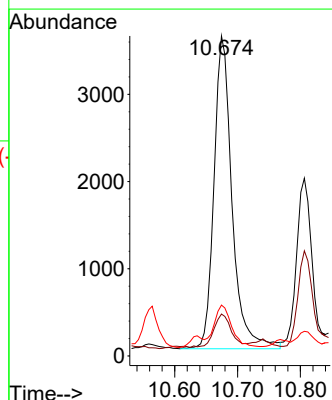
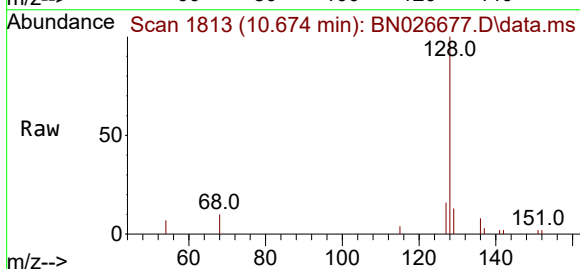
Instrument :  
BNA\_N  
ClientSampleId :

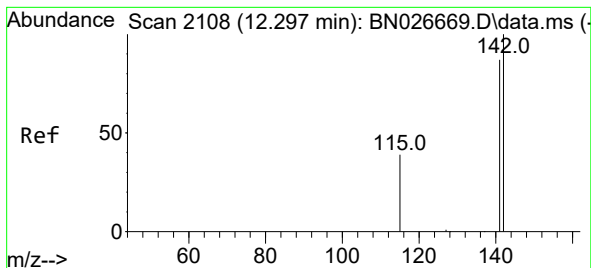
Tgt Ion: 88 Resp: 3409  
Ion Ratio Lower Upper  
88 100  
43 259.3 33.0 49.6#  
58 61.2 41.7 62.5



#5  
Naphthalene  
Concen: 0.217 ng/ul  
RT: 10.674 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

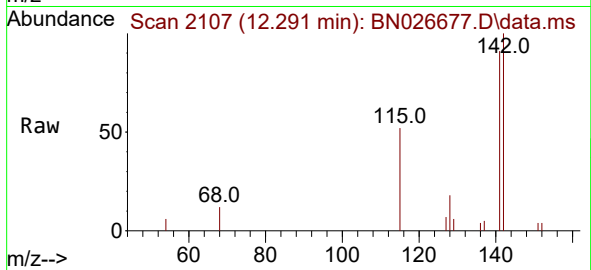
Tgt Ion: 128 Resp: 7170  
Ion Ratio Lower Upper  
128 100  
129 13.1 10.2 15.2  
127 15.9 11.4 17.0



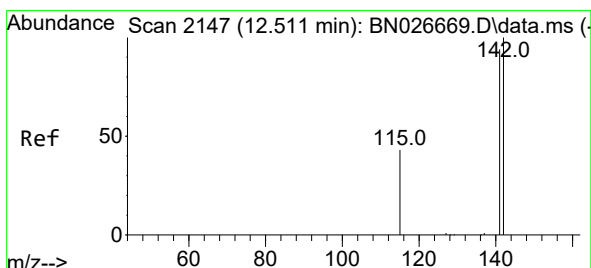
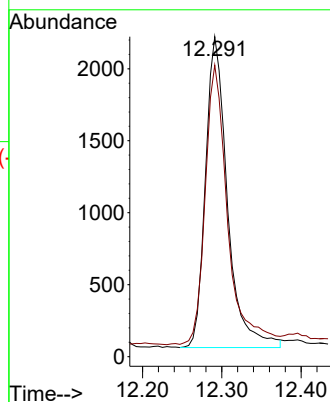
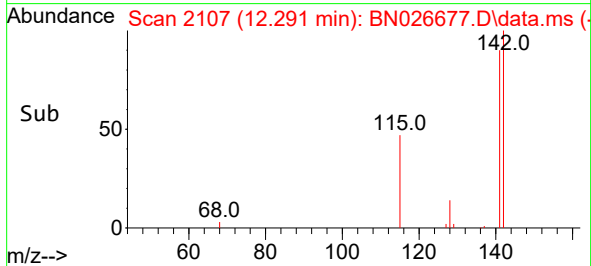


#7  
2-Methylnaphthalene  
Concen: 0.222 ng/ul  
RT: 12.291 min Scan# 2107  
Delta R.T. -0.006 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Instrument :  
BNA\_N  
ClientSampleId :

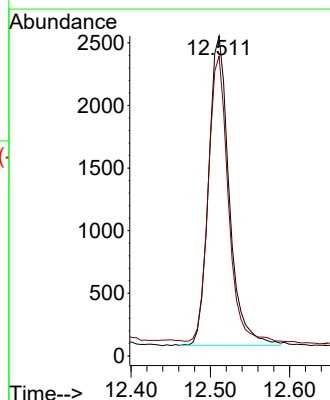
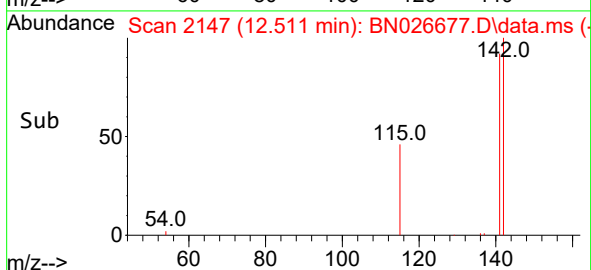
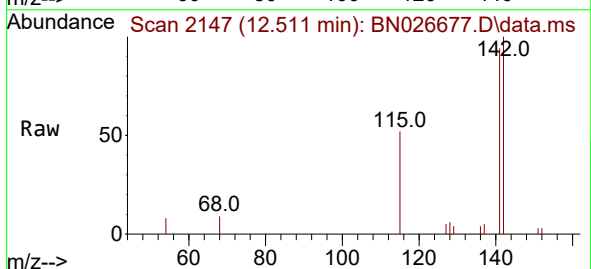


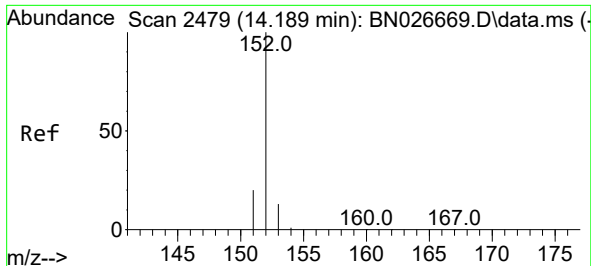
Tgt Ion:142 Resp: 4161  
Ion Ratio Lower Upper  
142 100  
141 92.1 72.3 108.5



#8  
1-Methylnaphthalene  
Concen: 0.222 ng/ul  
RT: 12.511 min Scan# 2147  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Tgt Ion:142 Resp: 4456  
Ion Ratio Lower Upper  
142 100  
141 88.2 74.5 111.7

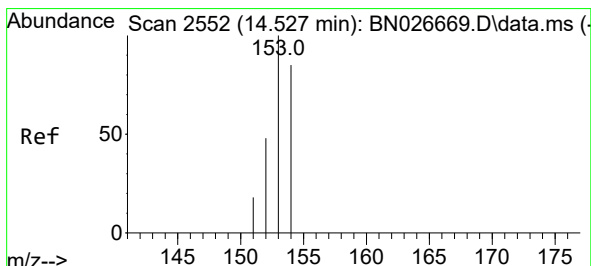
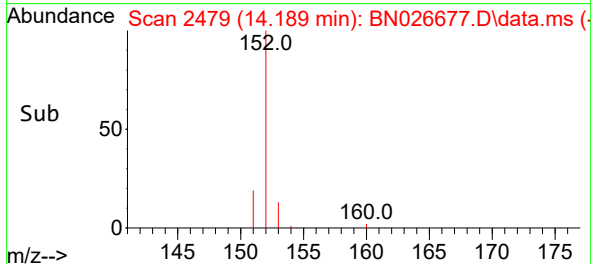
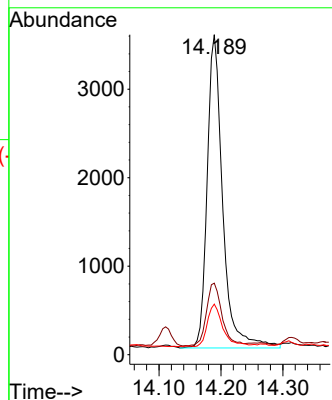
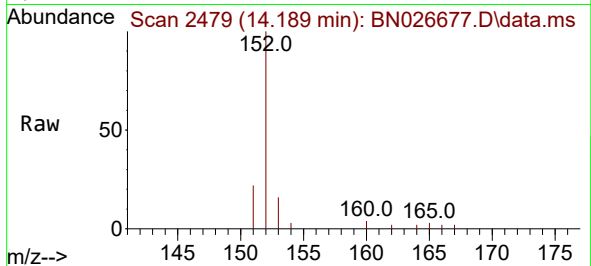




#10  
Acenaphthylene  
Concen: 0.170 ng/ul  
RT: 14.189 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

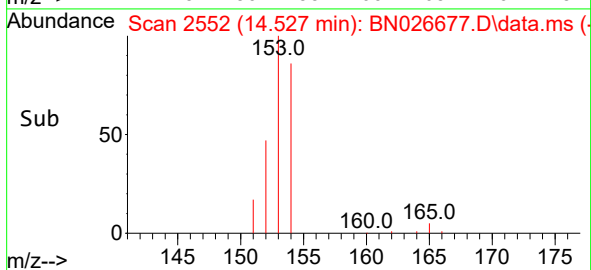
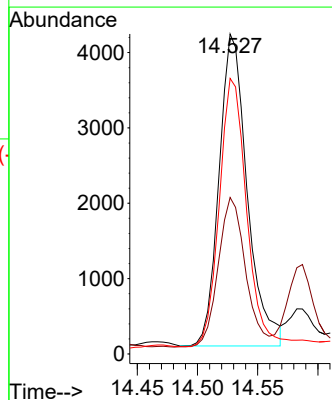
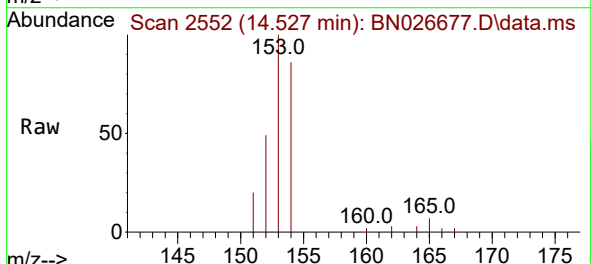
Instrument :  
BNA\_N  
ClientSampleId :

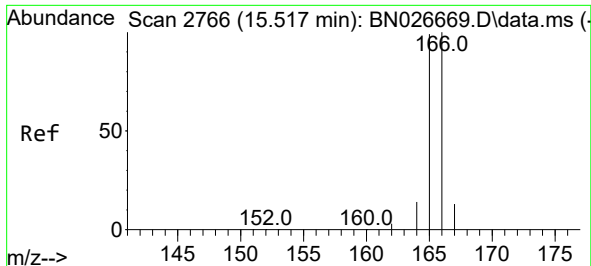
Tgt Ion:152 Resp: 6151  
Ion Ratio Lower Upper  
152 100  
151 22.4 17.0 25.6  
153 15.8 11.4 17.2



#11  
Acenaphthene  
Concen: 0.245 ng/ul  
RT: 14.527 min Scan# 2552  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

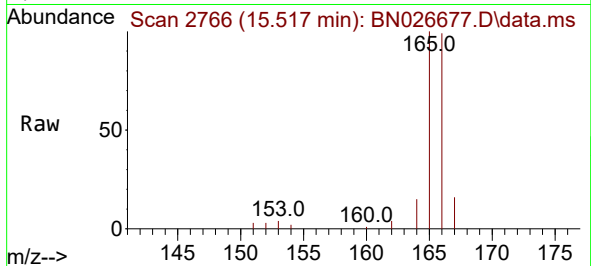
Tgt Ion:153 Resp: 6754  
Ion Ratio Lower Upper  
153 100  
152 48.9 40.2 60.4  
154 86.1 69.3 103.9



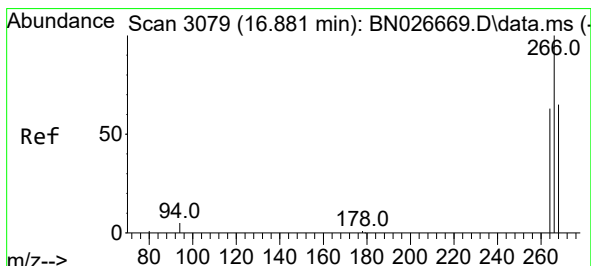
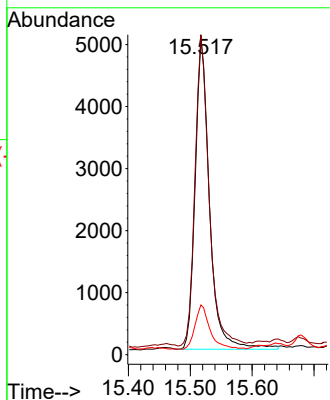
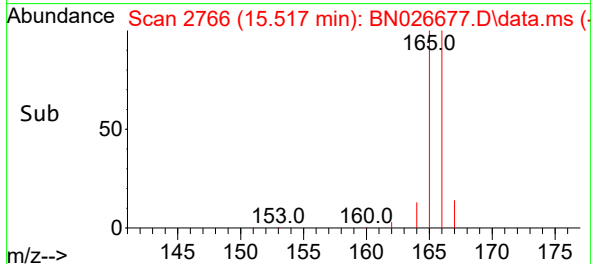


#12  
Fluorene  
Concen: 0.281 ng/ul  
RT: 15.517 min Scan# 2766  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

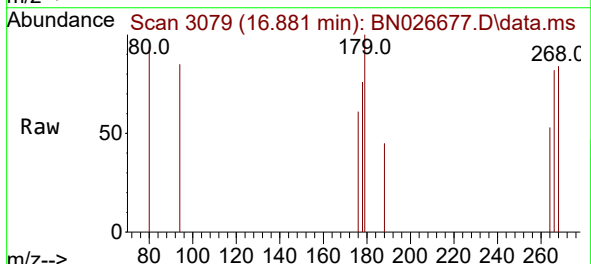
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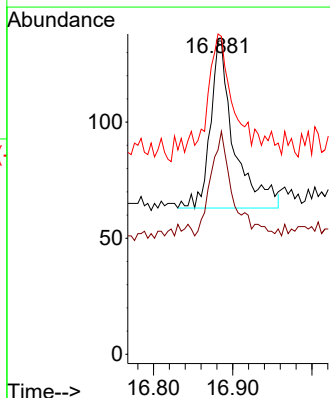
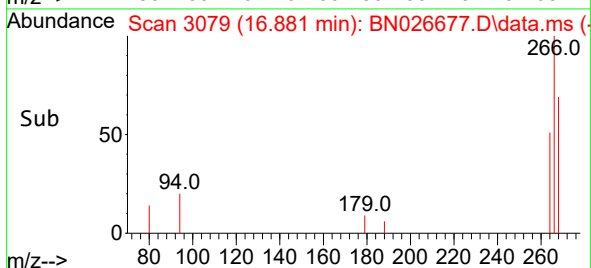
Tgt Ion:166 Resp: 8111  
Ion Ratio Lower Upper  
166 100  
165 101.3 80.6 120.8  
167 15.7 12.0 18.0

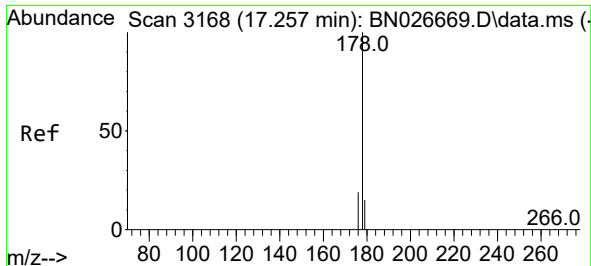


#14  
Pentachlorophenol  
Concen: 0.037 ng/ul  
RT: 16.881 min Scan# 3079  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18



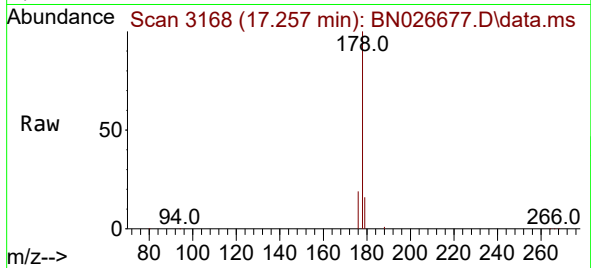
Tgt Ion:266 Resp: 151  
Ion Ratio Lower Upper  
266 100  
264 57.6 52.0 78.0  
268 65.6 53.0 79.6



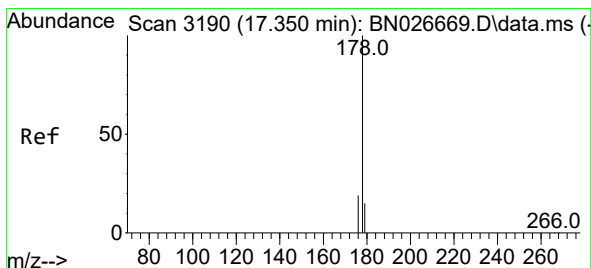
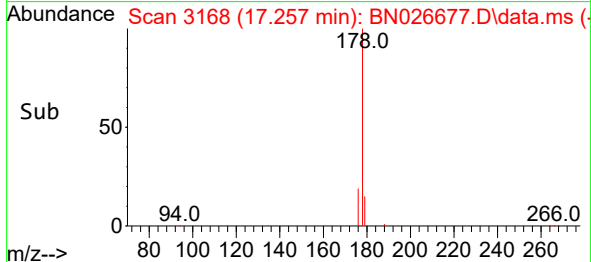
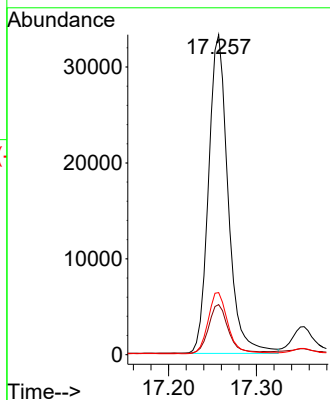


#15  
Phenanthrene  
Concen: 1.008 ng/ul  
RT: 17.257 min Scan# 3168  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Instrument :  
BNA\_N  
ClientSampleId :

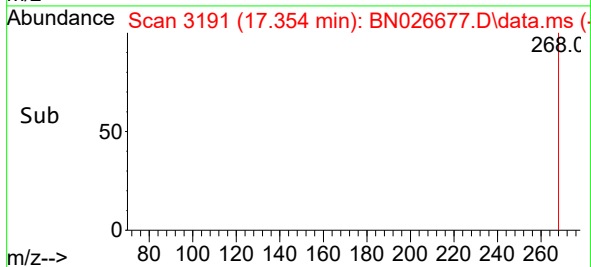
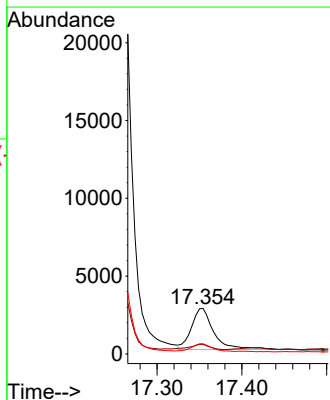
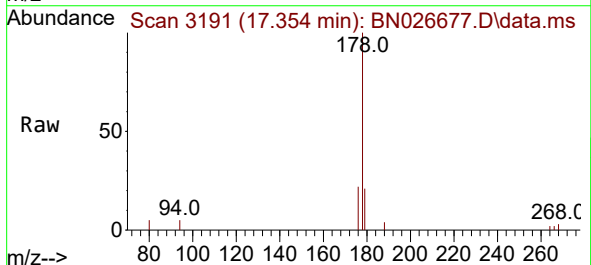


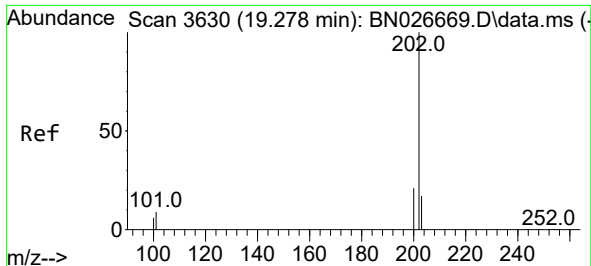
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Ion Ratio Lower Upper  
178 100  
179 15.7 13.7 20.5  
176 19.4 16.5 24.7



#16  
Anthracene  
Concen: 0.110 ng/ul  
RT: 17.354 min Scan# 3191  
Delta R.T. 0.004 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

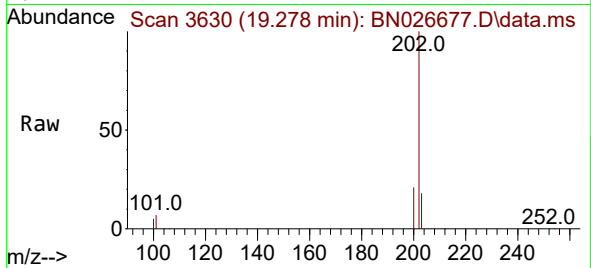
Tgt Ion:178 Resp: 4852  
Ion Ratio Lower Upper  
178 100  
179 21.0 14.8 22.2  
176 22.4 16.6 25.0



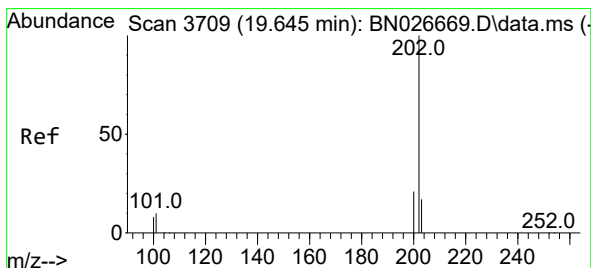
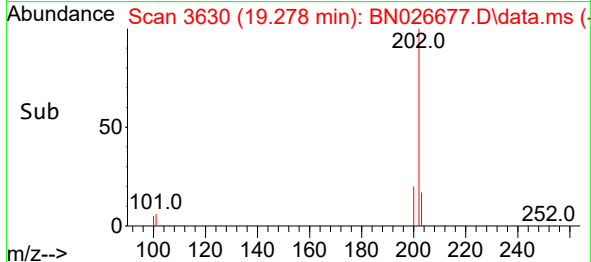
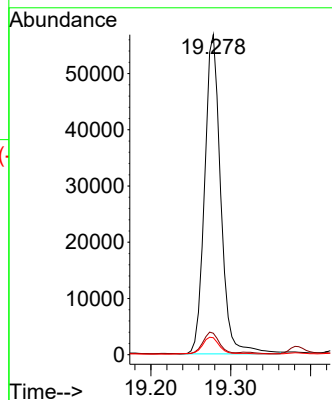


#19  
Fluoranthene  
Concen: 1.458 ng/ul  
RT: 19.278 min Scan# 3630  
Delta R.T. -0.000 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Instrument :  
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ClientSampleId :

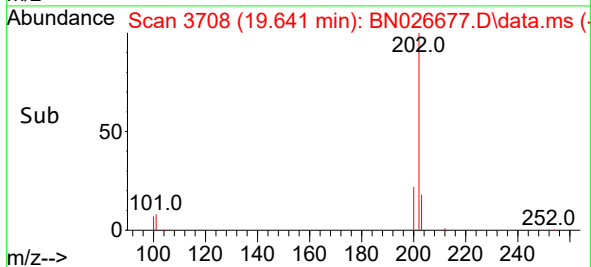
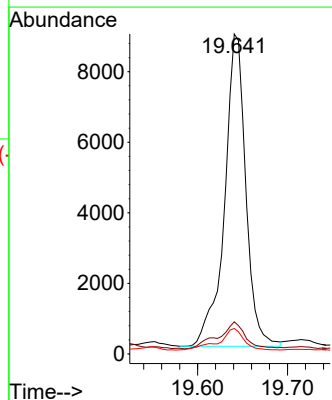
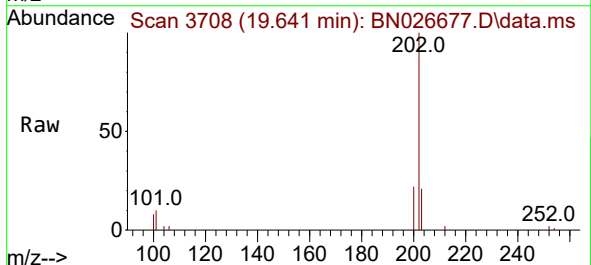


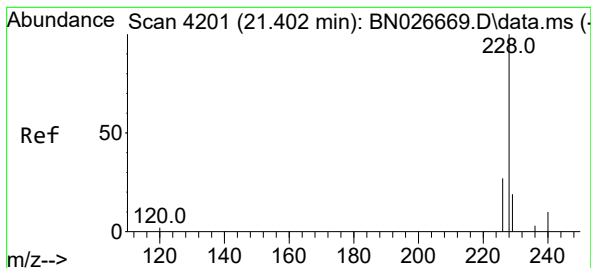
Tgt Ion:202 Resp: 79557  
Ion Ratio Lower Upper  
202 100  
101 6.7 7.0 10.4#  
100 5.3 6.0 9.0#



#20  
Pyrene  
Concen: 0.245 ng/ul  
RT: 19.641 min Scan# 3708  
Delta R.T. -0.005 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Tgt Ion:202 Resp: 14534  
Ion Ratio Lower Upper  
202 100  
101 10.0 8.0 12.0  
100 8.0 6.2 9.2





#21

Benzo(a)anthracene

Concen: 0.611 ng/ul

RT: 21.402 min Scan# 4201

Delta R.T. -0.000 min

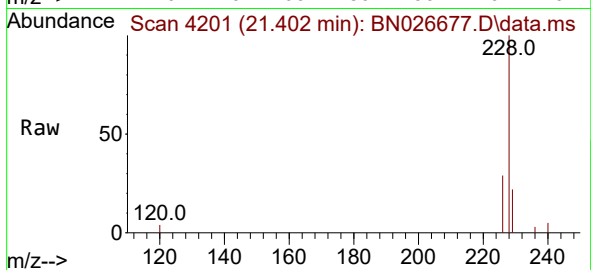
Lab File: BN026677.D

Acq: 23 Jul 2023 15:18

Instrument :

BNA\_N

ClientSampleId :



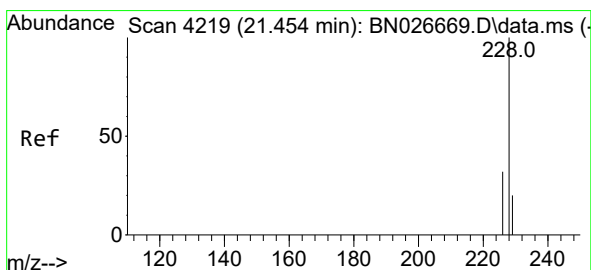
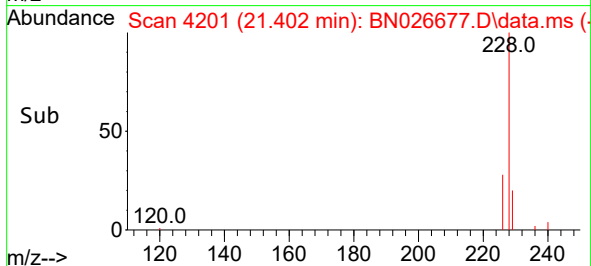
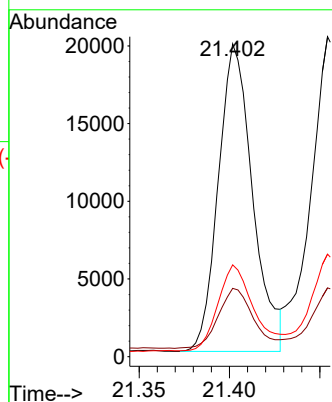
Tgt Ion:228 Resp: 26140

Ion Ratio Lower Upper

228 100

229 21.9 16.7 25.1

226 29.4 23.5 35.3



#22

Chrysene

Concen: 0.583 ng/ul

RT: 21.454 min Scan# 4219

Delta R.T. -0.000 min

Lab File: BN026677.D

Acq: 23 Jul 2023 15:18

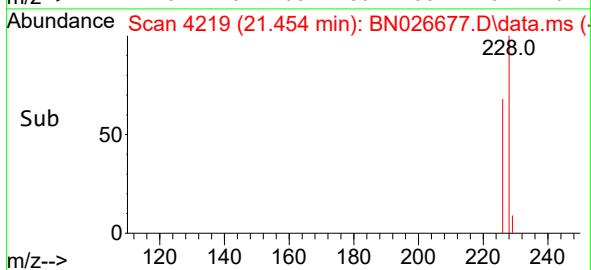
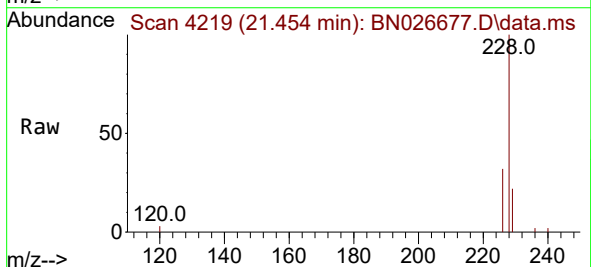
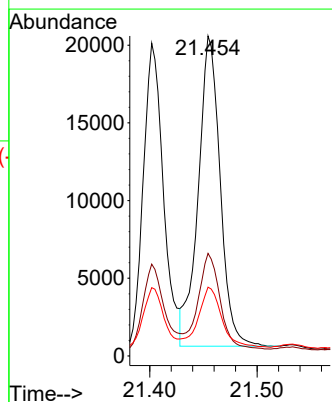
Tgt Ion:228 Resp: 28389

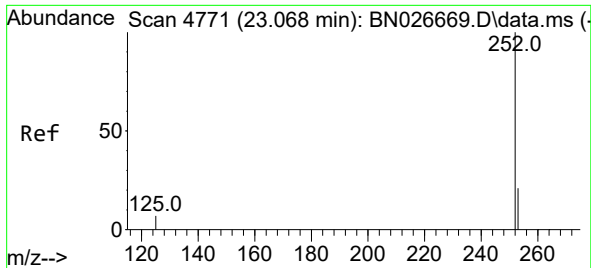
Ion Ratio Lower Upper

228 100

226 32.1 25.2 37.8

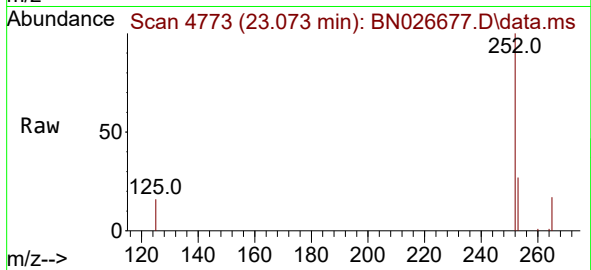
229 21.5 16.4 24.6



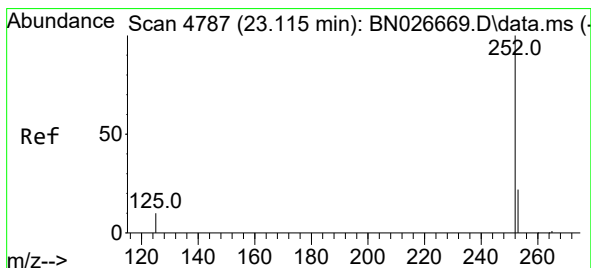
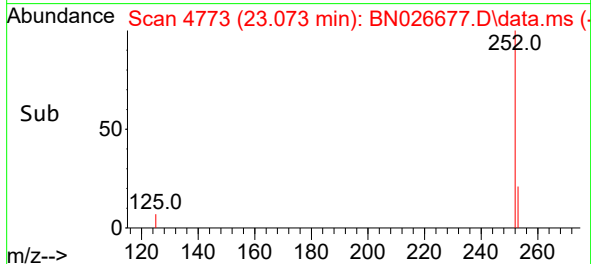
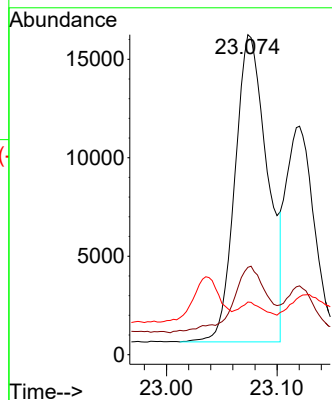


#24  
Benzo(b)fluoranthene  
Concen: 0.837 ng/ul  
RT: 23.073 min Scan# 4773  
Delta R.T. 0.006 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Instrument :  
BNA\_N  
ClientSampleId :

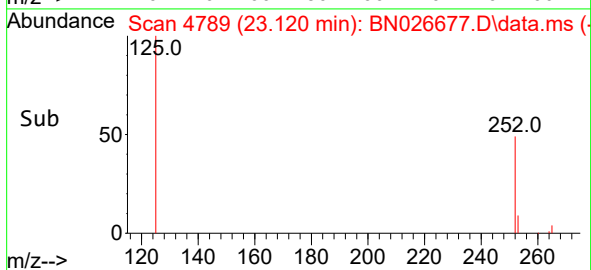
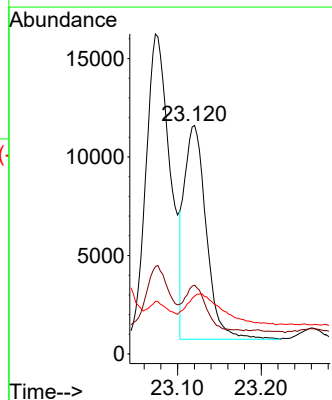
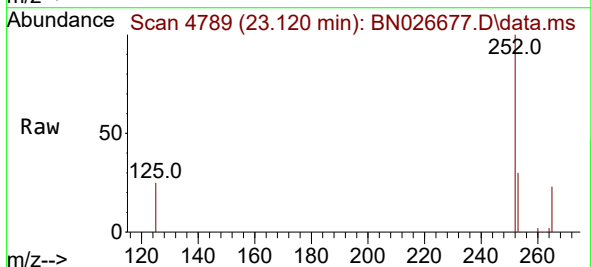


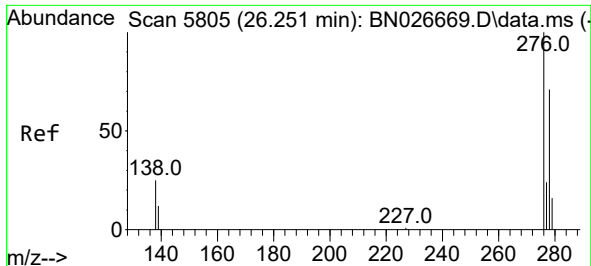
Tgt Ion:252 Resp: 31775  
Ion Ratio Lower Upper  
252 100  
253 27.3 0.0 68.6  
125 16.5 0.0 34.0



#25  
Benzo(k)fluoranthene  
Concen: 0.496 ng/ul  
RT: 23.120 min Scan# 4789  
Delta R.T. 0.006 min  
Lab File: BN026677.D  
Acq: 23 Jul 2023 15:18

Tgt Ion:252 Resp: 19744  
Ion Ratio Lower Upper  
252 100  
253 30.1 27.2 40.8  
125 25.4 13.4 20.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.134 ng/ul

RT: 26.254 min Scan# 5806

Delta R.T. 0.003 min

Lab File: BN026677.D

Acq: 23 Jul 2023 15:18

Instrument :

BNA\_N

ClientSampleId :

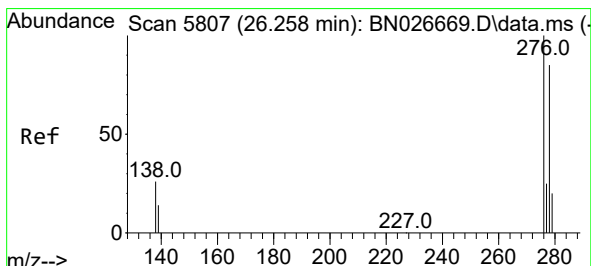
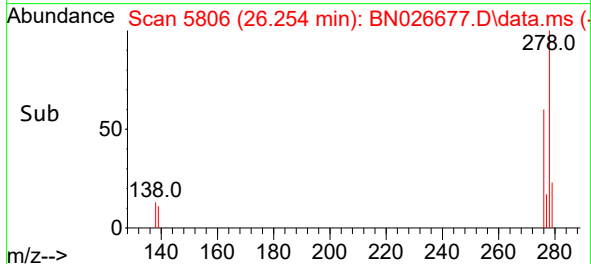
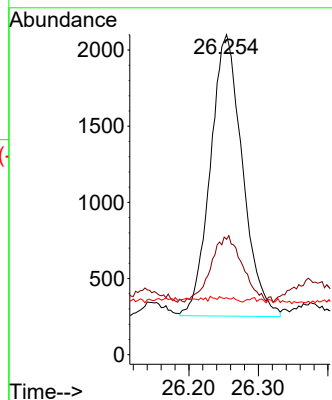
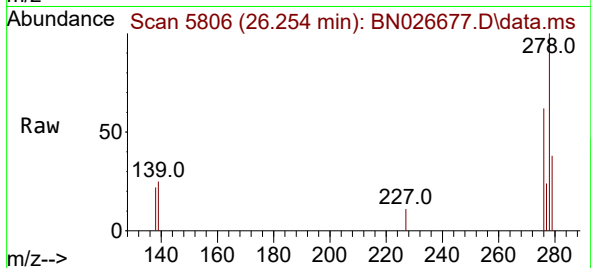
Tgt Ion:276 Resp: 5918

Ion Ratio Lower Upper

276 100

138 23.0 22.2 33.4

227 0.7 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.316 ng/ul

RT: 26.261 min Scan# 5808

Delta R.T. 0.003 min

Lab File: BN026677.D

Acq: 23 Jul 2023 15:18

Tgt Ion:278 Resp: 10734

Ion Ratio Lower Upper

278 100

139 26.1 18.9 28.3

279 37.9 31.3 46.9

