

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071023\  
 Data File : BN026439.D  
 Acq On : 10 Jul 2023 09:42  
 Operator : MA/JU  
 Sample : PB153949BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 11 04:17:27 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jul 09 15:51:14 2023  
 Response via : Initial Calibration

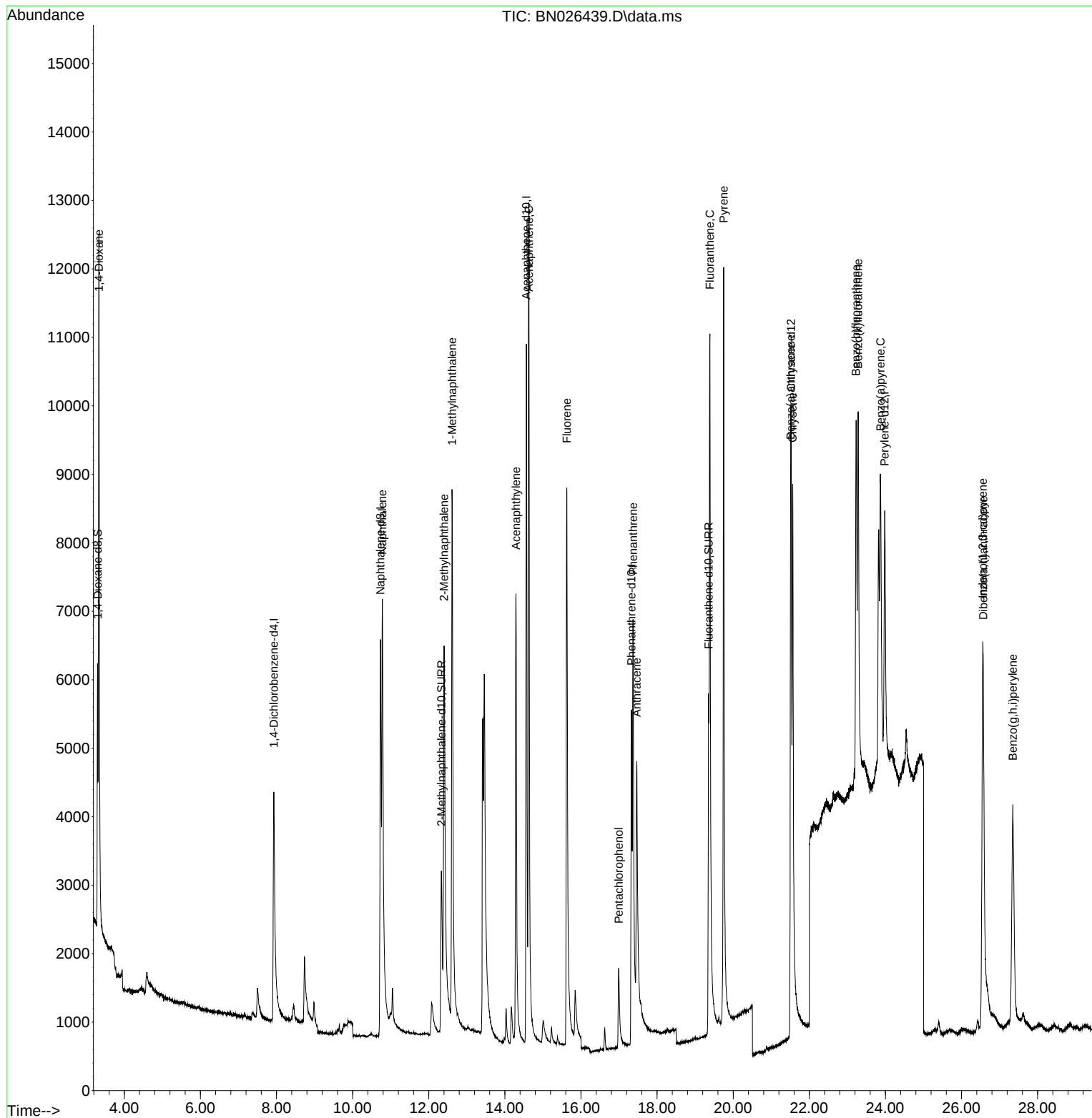
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.930  | 152  | 3803     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.732 | 136  | 13449    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.566 | 164  | 7234     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.326 | 188  | 8852     | 0.400 | ng/ul # | 0.00     |
| 17) Chrysene-d12            | 21.523 | 240  | 6722     | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.981 | 264  | 6553     | 0.400 | ng/ul # | 0.01     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.297  | 96   | 2891     | 0.675 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.332 | 152  | 5459     | 0.264 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.354 | 212  | 8284     | 0.324 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.331  | 88   | 7576     | 1.666 | ng/ul#  | 84       |
| 5) Naphthalene              | 10.781 | 128  | 12964    | 0.336 | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 12.404 | 142  | 6876     | 0.280 | ng/ul   | 99       |
| 8) 1-Methylnaphthalene      | 12.613 | 142  | 7869     | 0.309 | ng/ul   | 100      |
| 10) Acenaphthylene          | 14.293 | 152  | 11379    | 0.336 | ng/ul   | 100      |
| 11) Acenaphthene            | 14.630 | 153  | 9441     | 0.341 | ng/ul   | 100      |
| 12) Fluorene                | 15.625 | 166  | 9076     | 0.286 | ng/ul   | 100      |
| 14) Pentachlorophenol       | 16.992 | 266  | 1411     | 0.445 | ng/ul   | 98       |
| 15) Phenanthrene            | 17.368 | 178  | 9238     | 0.316 | ng/ul   | 97       |
| 16) Anthracene              | 17.465 | 178  | 7414     | 0.285 | ng/ul#  | 94       |
| 19) Fluoranthene            | 19.387 | 202  | 12533    | 0.349 | ng/ul   | 98       |
| 20) Pyrene                  | 19.749 | 202  | 13576    | 0.364 | ng/ul   | 96       |
| 21) Benzo(a)anthracene      | 21.509 | 228  | 8492     | 0.306 | ng/ul   | 99       |
| 22) Chrysene                | 21.564 | 228  | 9817     | 0.340 | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 23.230 | 252  | 9876     | 0.353 | ng/ul   | 90       |
| 25) Benzo(k)fluoranthene    | 23.283 | 252  | 10423    | 0.371 | ng/ul   | 92       |
| 26) Benzo(a)pyrene          | 23.873 | 252  | 8482     | 0.349 | ng/ul#  | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.558 | 276  | 10290    | 0.388 | ng/ul#  | 89       |
| 28) Dibenzo(a,h)anthracene  | 26.571 | 278  | 7660     | 0.381 | ng/ul#  | 92       |
| 29) Benzo(g,h,i)perylene    | 27.349 | 276  | 9680     | 0.410 | ng/ul   | 97       |
| -----                       |        |      |          |       |         |          |

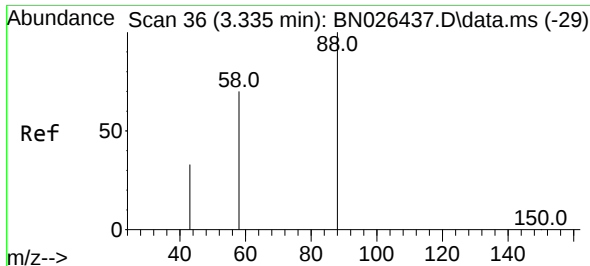
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071023\  
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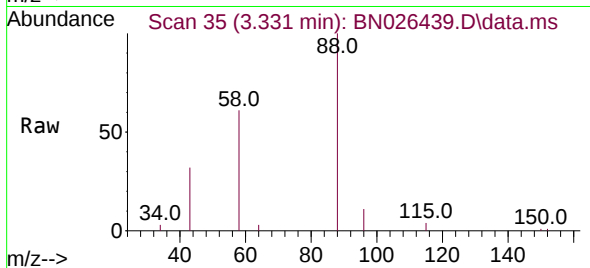
Quant Time: Jul 11 04:17:27 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jul 09 15:51:14 2023  
Response via : Initial Calibration



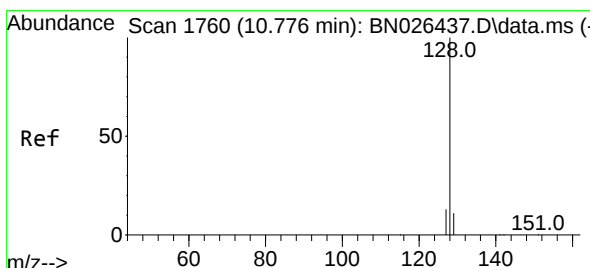
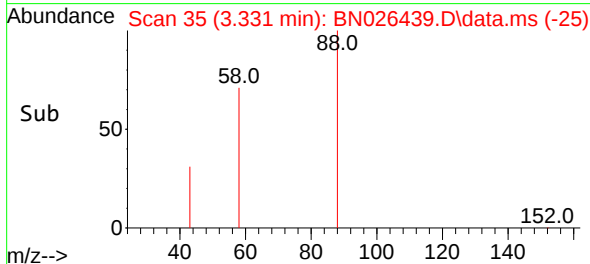
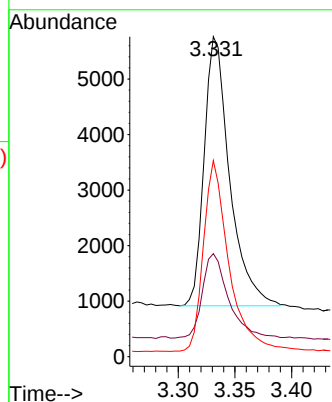


#2  
 1,4-Dioxane  
 Concen: 1.666 ng/ul  
 RT: 3.331 min Scan# 31  
 Delta R.T. -0.008 min  
 Lab File: BN026439.D  
 Acq: 10 Jul 2023 09:42

Instrument :  
 BNA\_N  
 ClientSampleId :

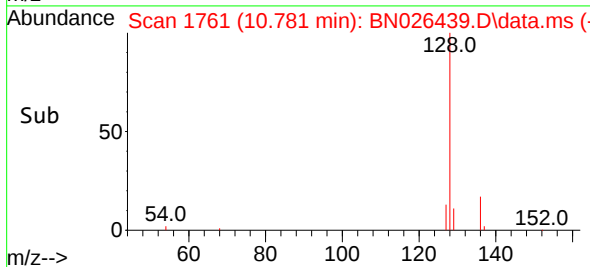
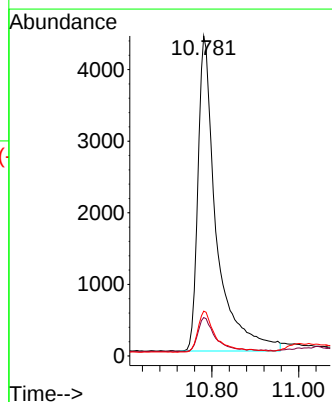
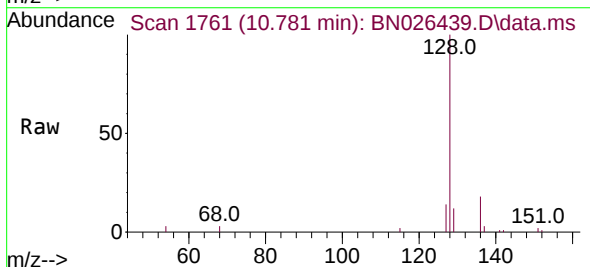


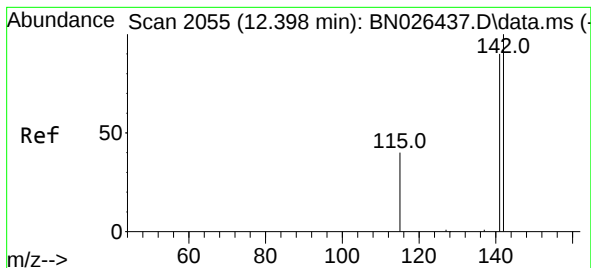
Tgt Ion: 88 Resp: 7576  
 Ion Ratio Lower Upper  
 88 100  
 43 32.2 29.5 44.3  
 58 61.3 37.4 56.2#



#5  
 Naphthalene  
 Concen: 0.336 ng/ul  
 RT: 10.781 min Scan# 1761  
 Delta R.T. -0.005 min  
 Lab File: BN026439.D  
 Acq: 10 Jul 2023 09:42

Tgt Ion: 128 Resp: 12964  
 Ion Ratio Lower Upper  
 128 100  
 129 12.0 9.1 13.7  
 127 14.0 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.280 ng/ul

RT: 12.404 min Scan# 2056

Delta R.T. 0.000 min

Lab File: BN026439.D

Acq: 10 Jul 2023 09:42

Instrument :

BNA\_N

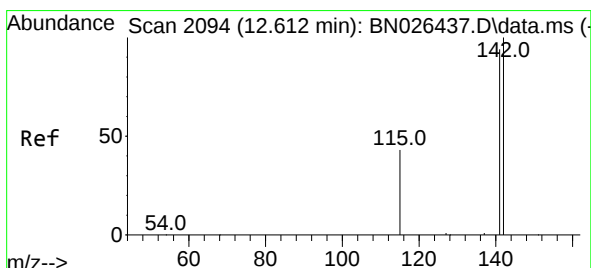
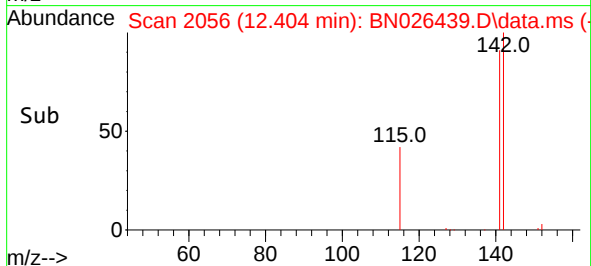
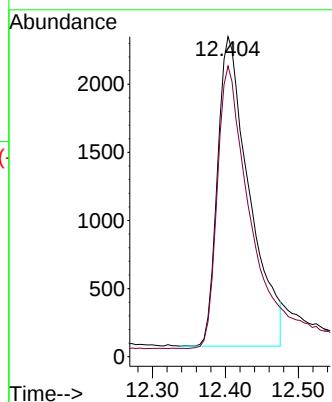
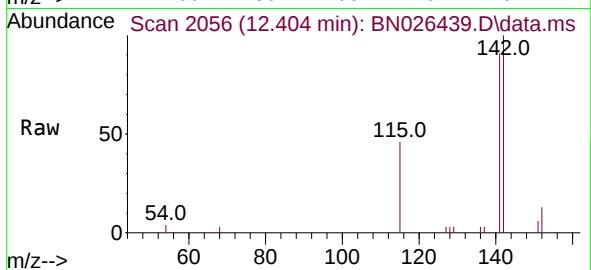
ClientSampleId :

Tgt Ion:142 Resp: 6876

Ion Ratio Lower Upper

142 100

141 91.0 71.9 107.9



#8

1-Methylnaphthalene

Concen: 0.309 ng/ul

RT: 12.613 min Scan# 2094

Delta R.T. -0.005 min

Lab File: BN026439.D

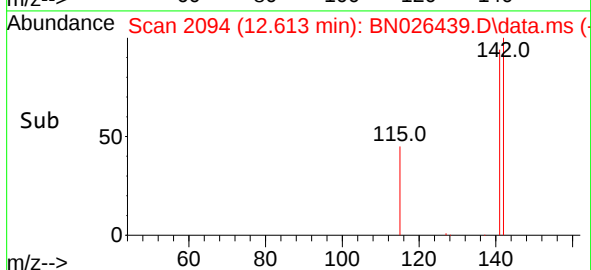
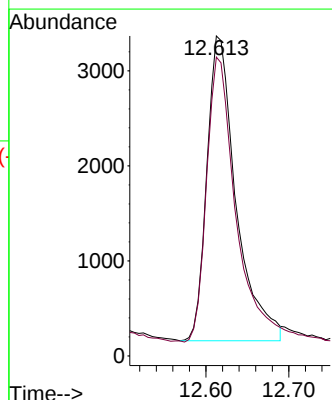
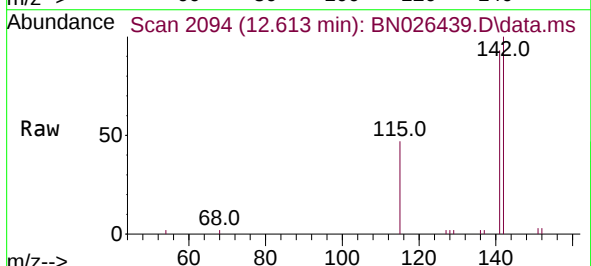
Acq: 10 Jul 2023 09:42

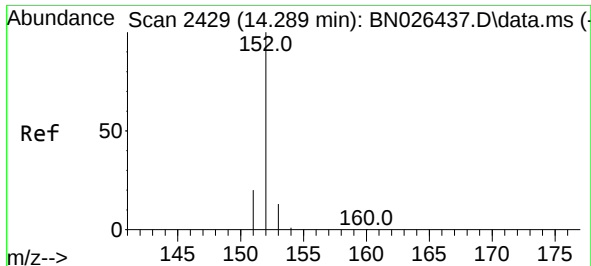
Tgt Ion:142 Resp: 7869

Ion Ratio Lower Upper

142 100

141 93.1 74.2 111.4

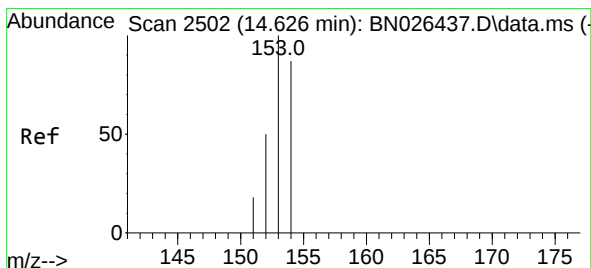
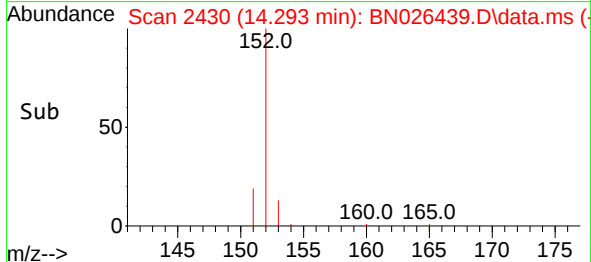
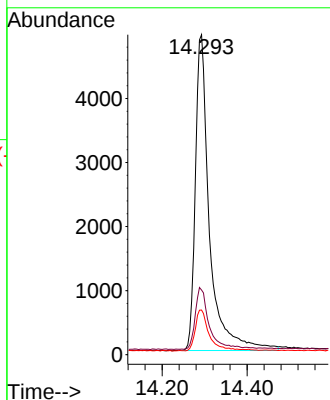
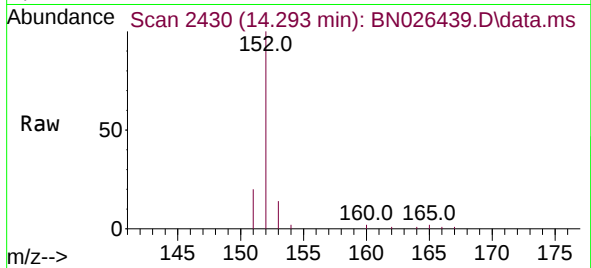




#10  
Acenaphthylene  
Concen: 0.336 ng/ul  
RT: 14.293 min Scan# 2429  
Delta R.T. 0.000 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

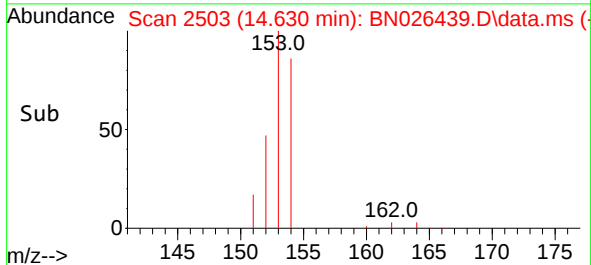
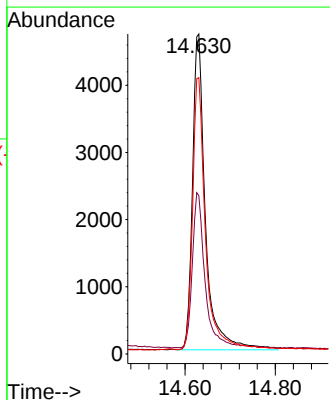
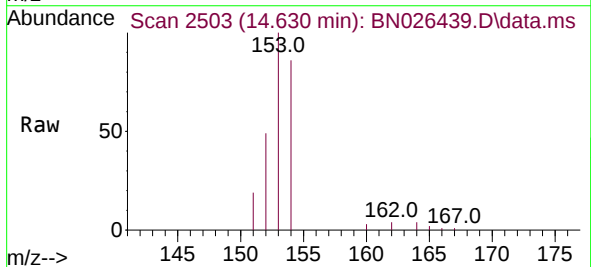
Instrument :  
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ClientSampleId :

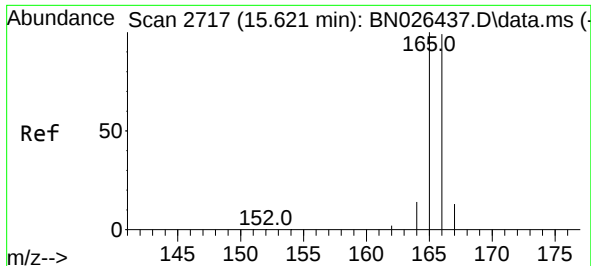
Tgt Ion:152 Resp: 11379  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.4  
153 14.0 10.9 16.3



#11  
Acenaphthene  
Concen: 0.341 ng/ul  
RT: 14.630 min Scan# 2503  
Delta R.T. 0.000 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

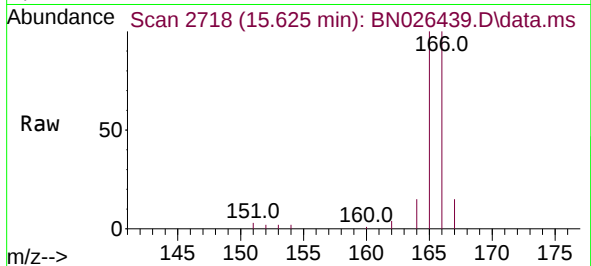
Tgt Ion:153 Resp: 9441  
Ion Ratio Lower Upper  
153 100  
152 49.5 39.4 59.0  
154 86.3 68.9 103.3



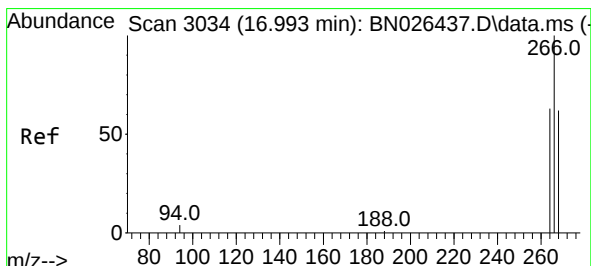
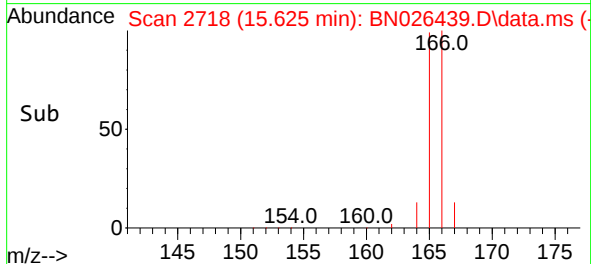
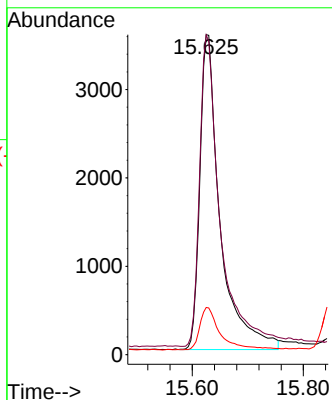


#12  
Fluorene  
Concen: 0.286 ng/ul  
RT: 15.625 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Instrument :  
BNA\_N  
ClientSampleId :

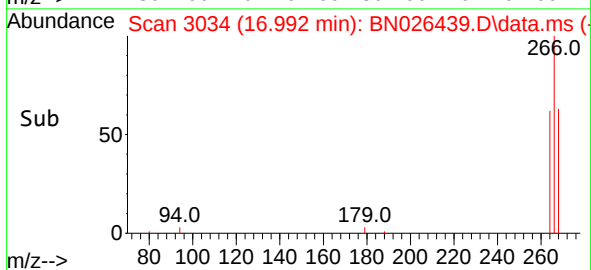
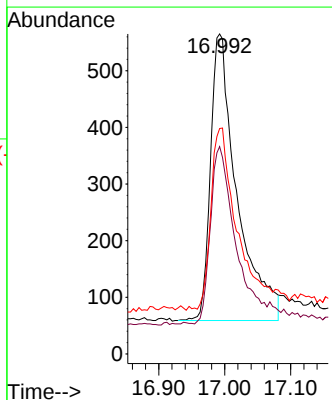
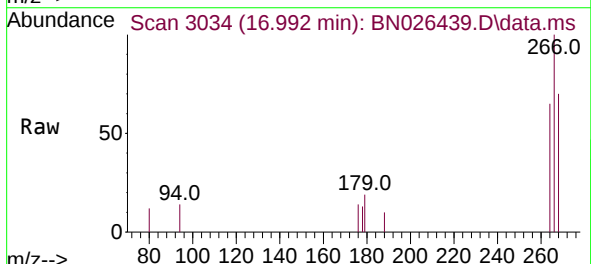


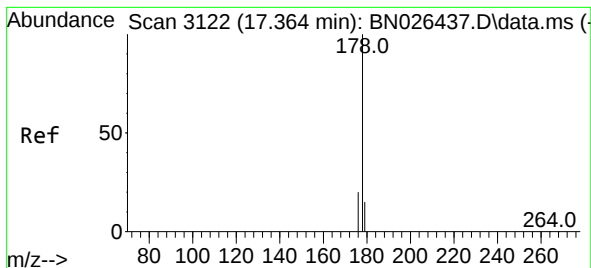
Tgt Ion:166 Resp: 9076  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.9 119.9  
167 14.7 10.8 16.2



#14  
Pentachlorophenol  
Concen: 0.445 ng/ul  
RT: 16.992 min Scan# 3034  
Delta R.T. -0.004 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Tgt Ion:266 Resp: 1411  
Ion Ratio Lower Upper  
266 100  
264 61.2 50.5 75.7  
268 63.2 51.6 77.4





#15

Phenanthrene

Concen: 0.316 ng/ul

RT: 17.368 min Scan# 3122

Delta R.T. 0.000 min

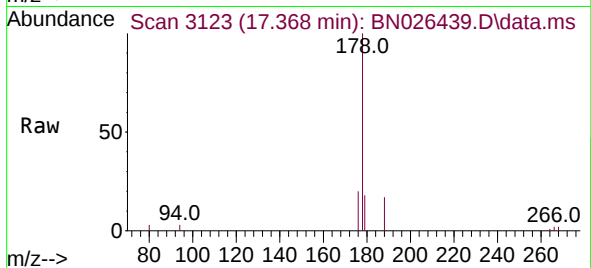
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Acq: 10 Jul 2023 09:42

Instrument :

BNA\_N

ClientSampleId :



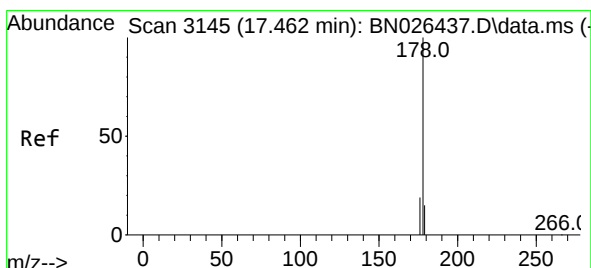
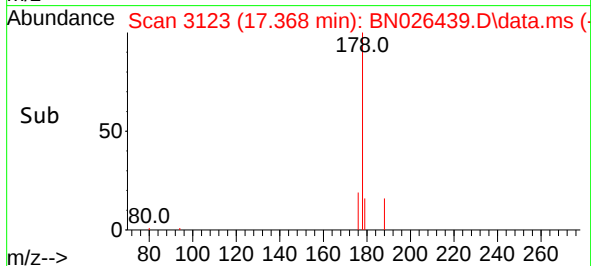
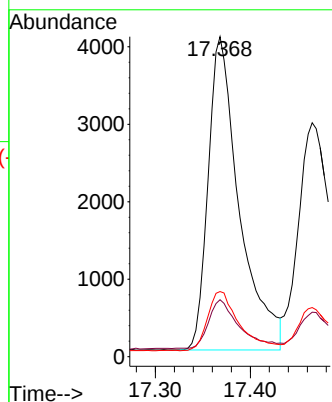
Tgt Ion:178 Resp: 9238

Ion Ratio Lower Upper

178 100

179 17.8 12.6 19.0

176 20.3 15.8 23.6



#16

Anthracene

Concen: 0.285 ng/ul

RT: 17.465 min Scan# 3146

Delta R.T. 0.000 min

Lab File: BN026439.D

Acq: 10 Jul 2023 09:42

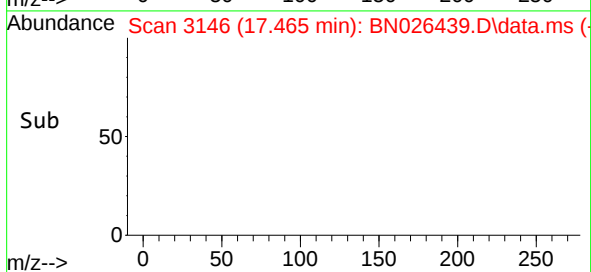
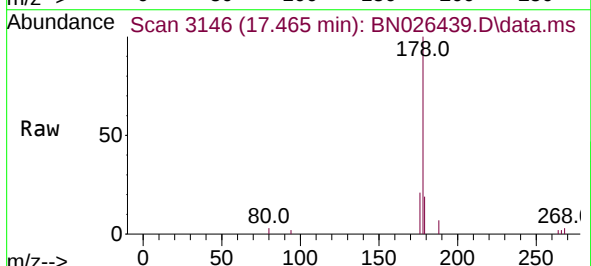
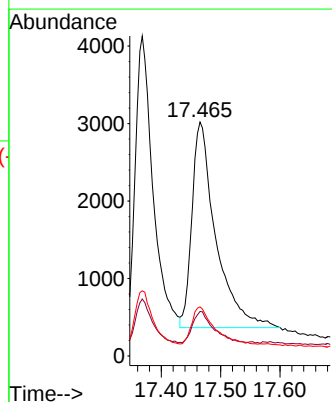
Tgt Ion:178 Resp: 7414

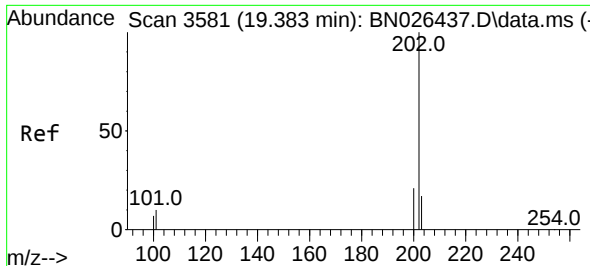
Ion Ratio Lower Upper

178 100

179 19.0 12.6 18.8#

176 21.0 15.1 22.7

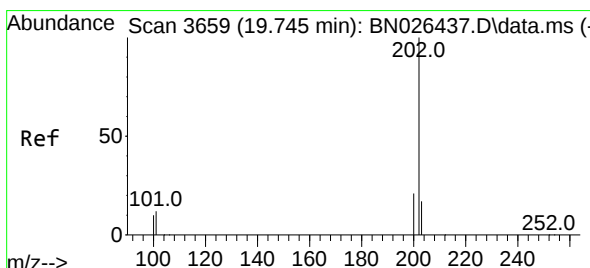
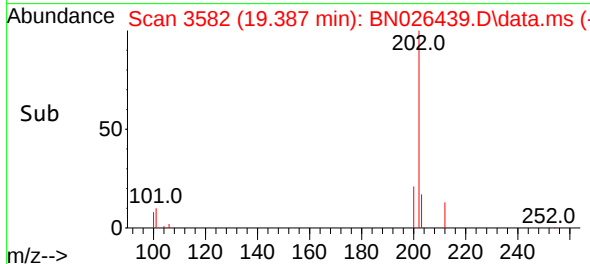
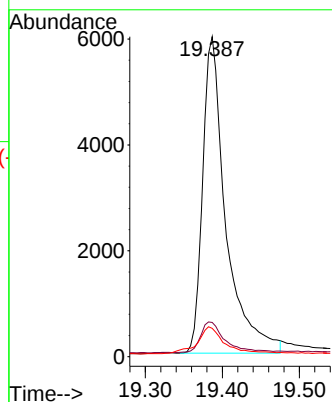
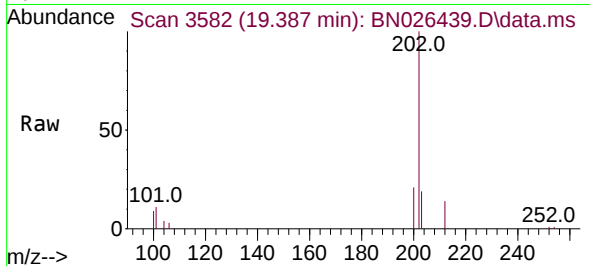




#19  
Fluoranthene  
Concen: 0.349 ng/ul  
RT: 19.387 min Scan# 3581  
Delta R.T. 0.000 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

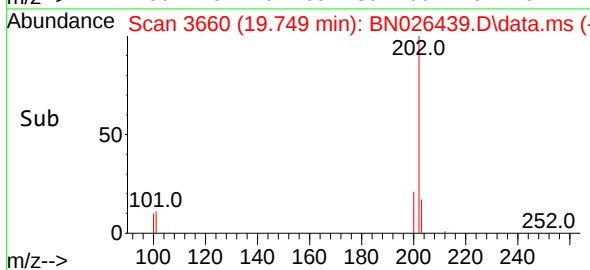
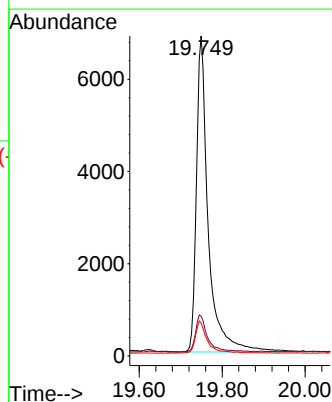
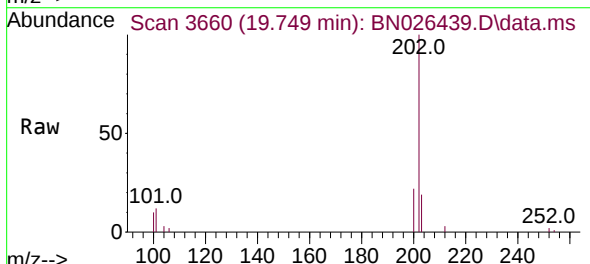
Instrument :  
BNA\_N  
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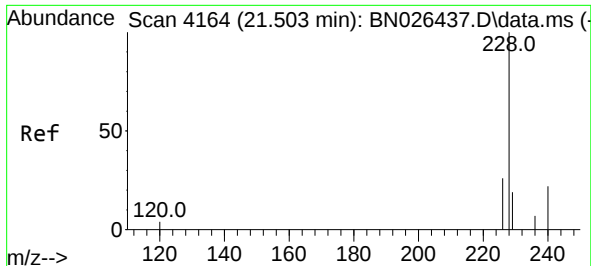
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Ion Ratio Lower Upper  
202 100  
101 10.7 9.5 14.3  
100 8.9 7.3 10.9



#20  
Pyrene  
Concen: 0.364 ng/ul  
RT: 19.749 min Scan# 3660  
Delta R.T. 0.000 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

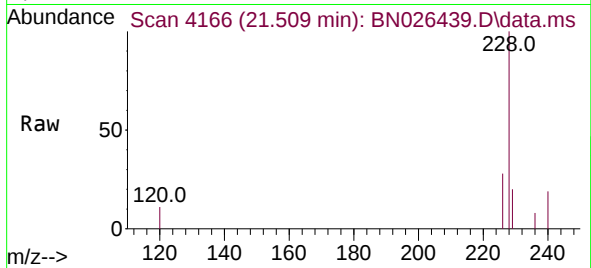
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Ion Ratio Lower Upper  
202 100  
101 12.4 11.4 17.0  
100 10.3 9.1 13.7



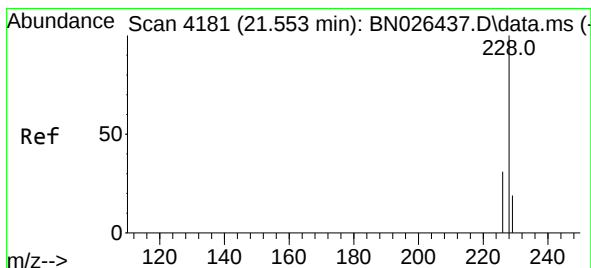
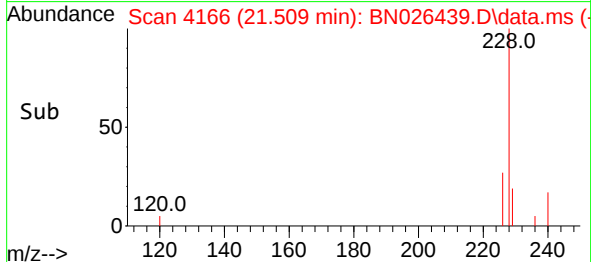
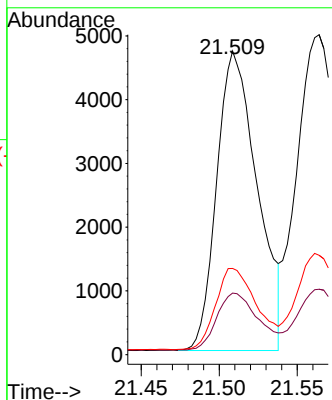


#21  
Benzo(a)anthracene  
Concen: 0.306 ng/ul  
RT: 21.509 min Scan# 4164  
Delta R.T. 0.009 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Instrument :  
BNA\_N  
ClientSampleId :

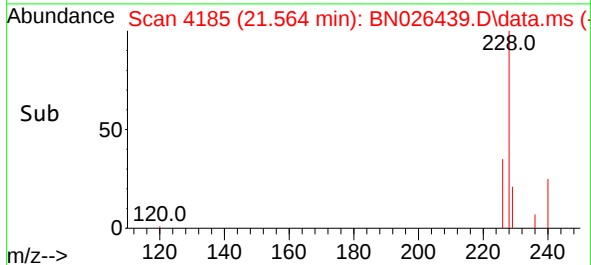
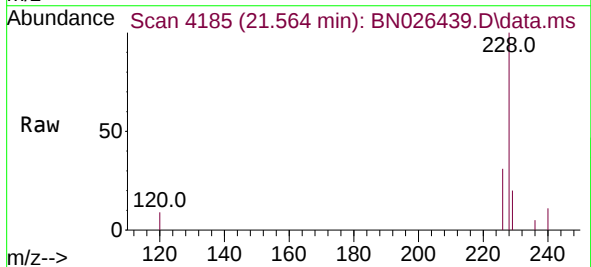
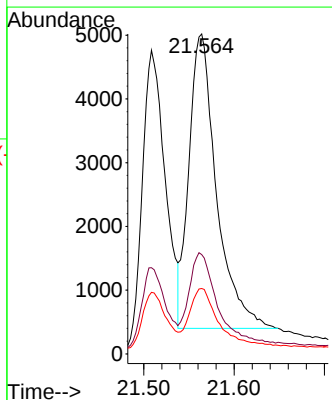


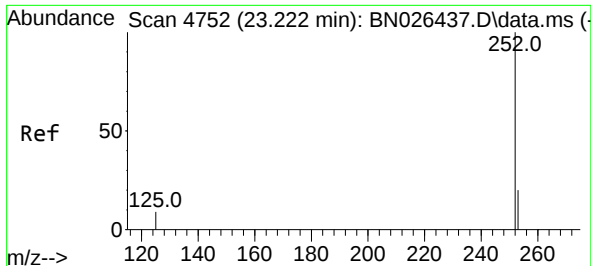
Tgt Ion:228 Resp: 8492  
Ion Ratio Lower Upper  
228 100  
229 20.3 15.8 23.6  
226 28.4 22.5 33.7



#22  
Chrysene  
Concen: 0.340 ng/ul  
RT: 21.564 min Scan# 4185  
Delta R.T. 0.012 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Tgt Ion:228 Resp: 9817  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.8 37.2  
229 20.5 15.7 23.5

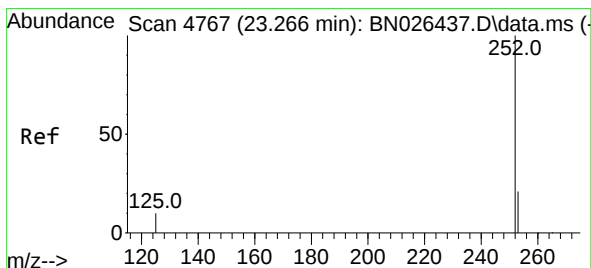
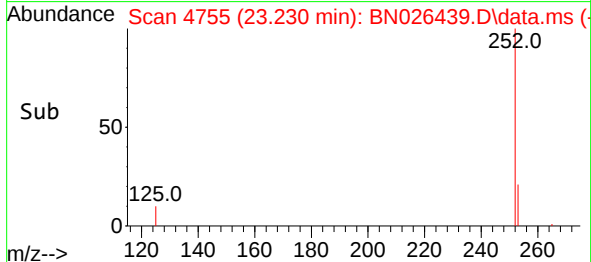
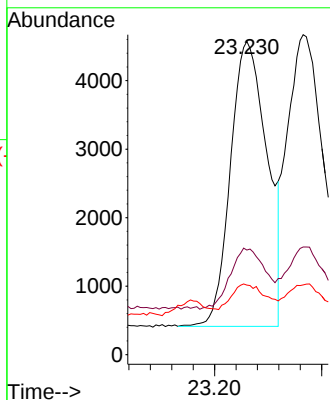
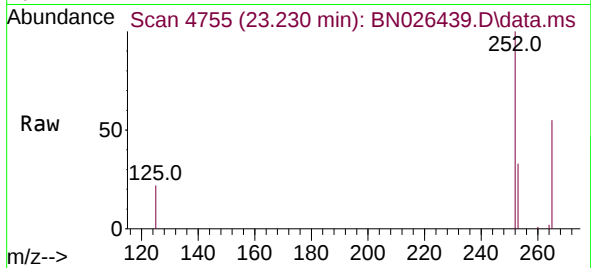




#24  
Benzo(b)fluoranthene  
Concen: 0.353 ng/ul  
RT: 23.230 min Scan# 4755  
Delta R.T. 0.012 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

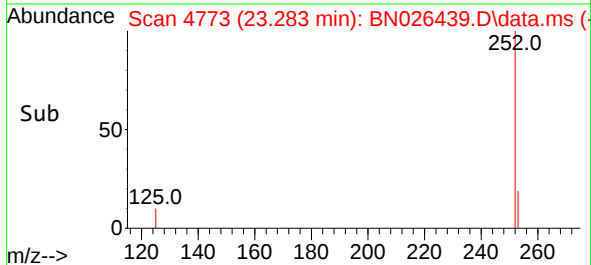
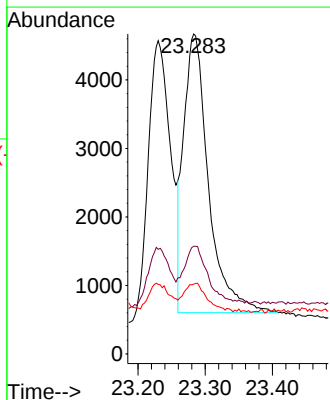
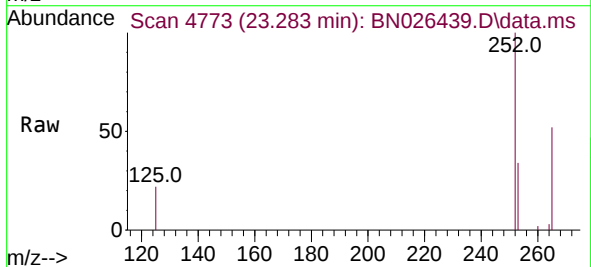
Instrument :  
BNA\_N  
ClientSampleId :

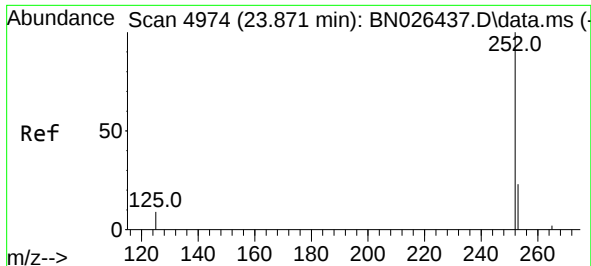
Tgt Ion:252 Resp: 9876  
Ion Ratio Lower Upper  
252 100  
253 33.4 0.0 55.6  
125 22.2 0.0 35.8



#25  
Benzo(k)fluoranthene  
Concen: 0.371 ng/ul  
RT: 23.283 min Scan# 4773  
Delta R.T. 0.021 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Tgt Ion:252 Resp: 10423  
Ion Ratio Lower Upper  
252 100  
253 33.7 23.2 34.8  
125 21.8 15.0 22.4

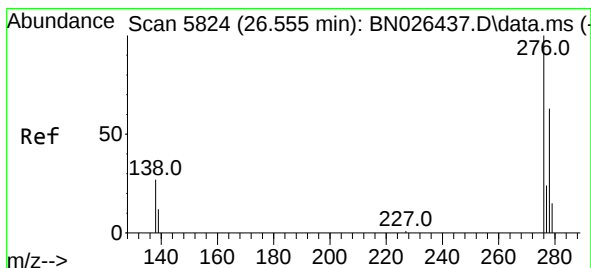
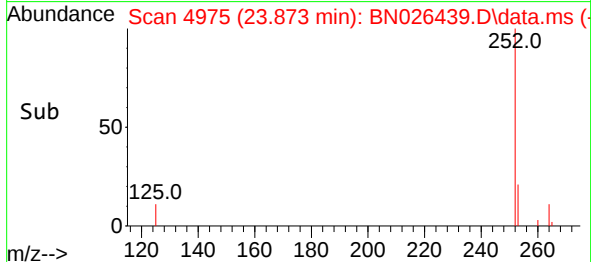
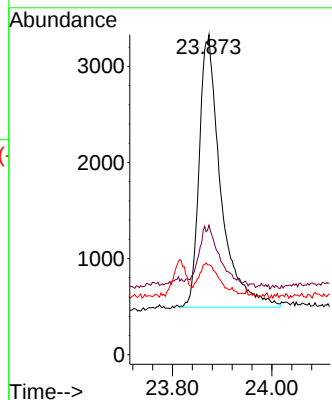
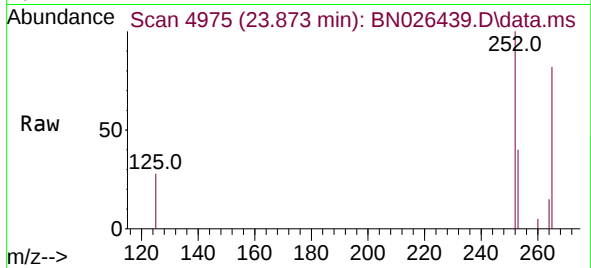




#26  
Benzo(a)pyrene  
Concen: 0.349 ng/ul  
RT: 23.873 min Scan# 4974  
Delta R.T. 0.003 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

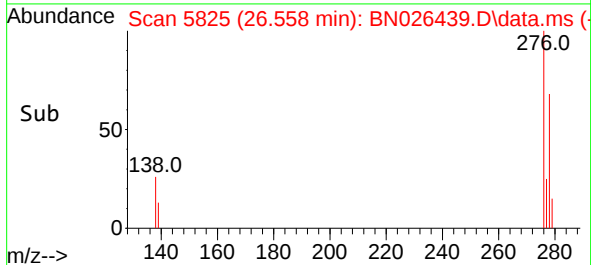
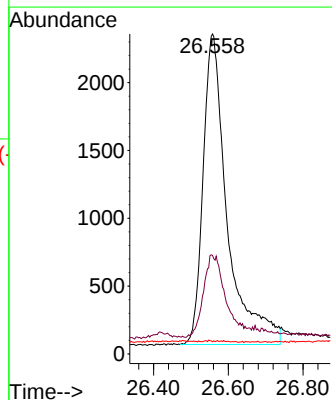
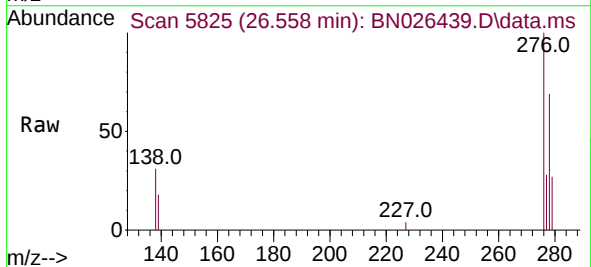
Instrument :  
BNA\_N  
ClientSampleId :

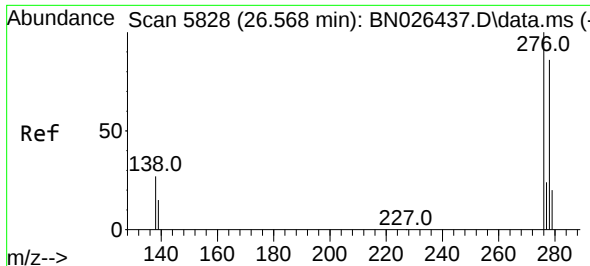
Tgt Ion:252 Resp: 8482  
Ion Ratio Lower Upper  
252 100  
253 40.4 26.0 39.0#  
125 28.0 17.3 25.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.388 ng/ul  
RT: 26.558 min Scan# 5825  
Delta R.T. 0.017 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

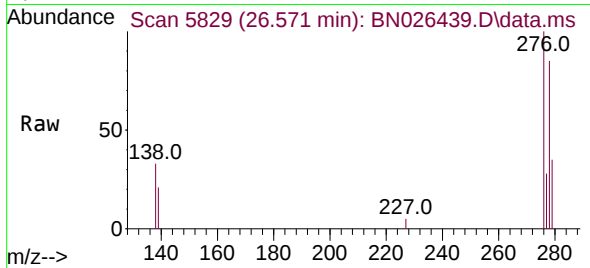
Tgt Ion:276 Resp: 10290  
Ion Ratio Lower Upper  
276 100  
138 24.8 24.5 36.7  
227 0.1 0.0 0.0#



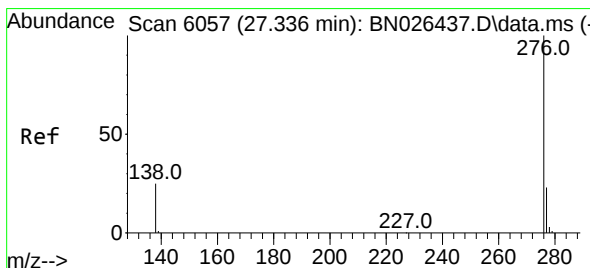
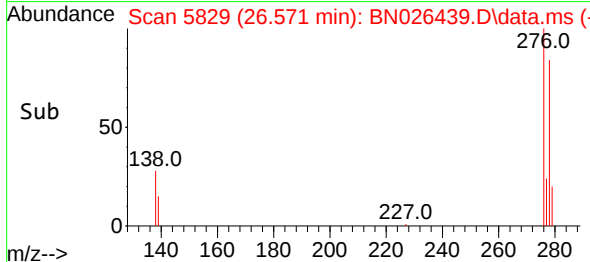
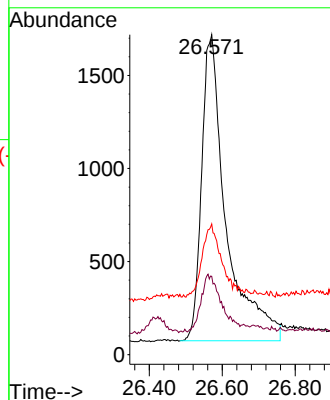


#28  
Dibenzo(a,h)anthracene  
Concen: 0.381 ng/ul  
RT: 26.571 min Scan# 5829  
Delta R.T. 0.010 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Instrument :  
BNA\_N  
ClientSampleId :



Tgt Ion:278 Resp: 7660  
Ion Ratio Lower Upper  
278 100  
139 24.5 19.0 28.4  
279 40.8 26.7 40.1#



#29  
Benzo(g,h,i)perylene  
Concen: 0.410 ng/ul  
RT: 27.349 min Scan# 6061  
Delta R.T. 0.014 min  
Lab File: BN026439.D  
Acq: 10 Jul 2023 09:42

Tgt Ion:276 Resp: 9680  
Ion Ratio Lower Upper  
276 100  
138 28.8 23.4 35.0  
277 27.7 20.0 30.0

