

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092623\  
 Data File : BN027875.D  
 Acq On : 26 Sep 2023 23:21  
 Operator : MA/JU  
 Sample : 04410-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BBJM0

Quant Time: Sep 27 03:02:27 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 03:58:00 2023  
 Response via : Initial Calibration

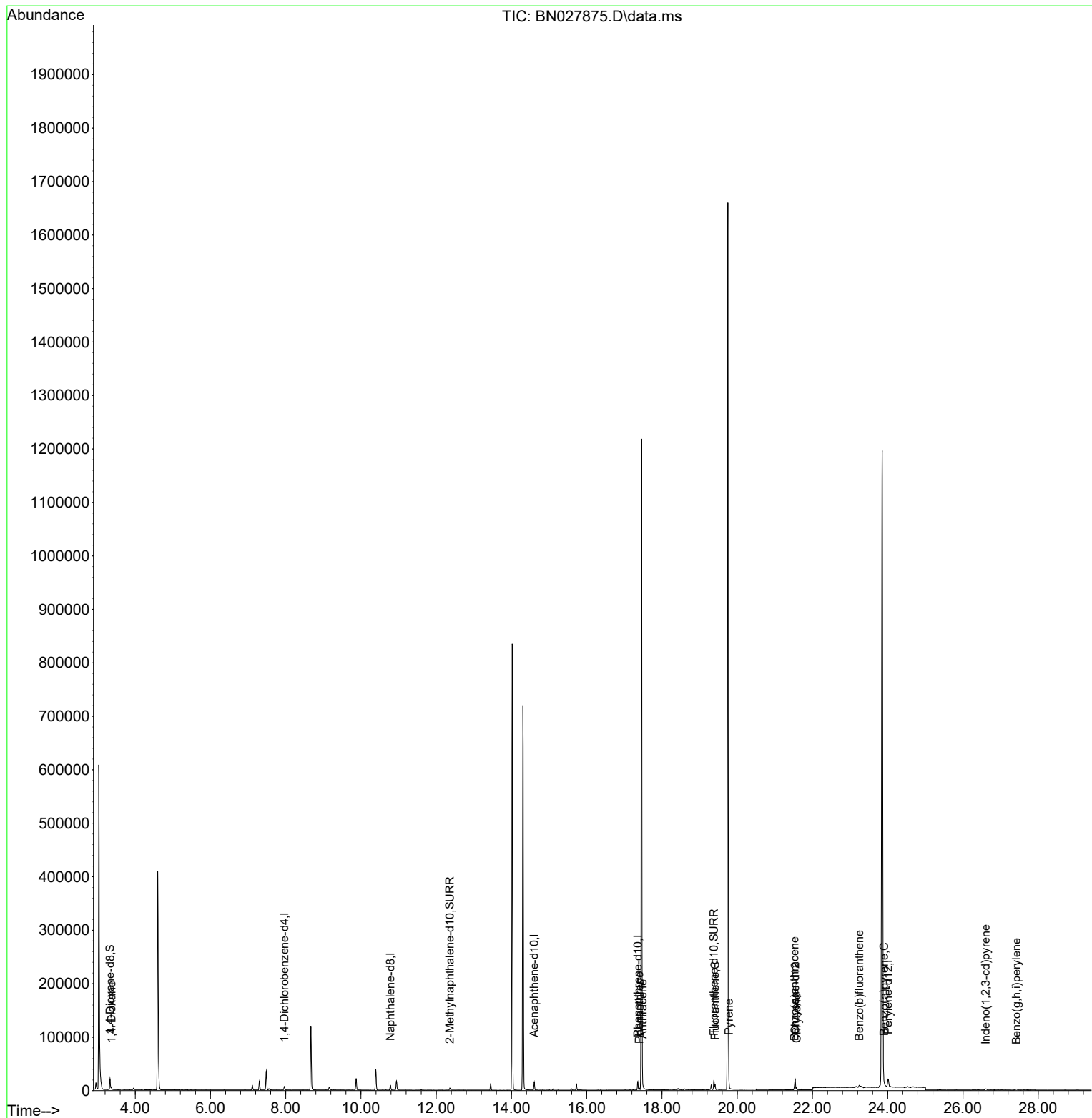
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.962  | 152  | 3366     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.784 | 136  | 11816    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.606 | 164  | 7924     | 0.400 | ng/ul  | 0.01     |
| 13) Phenanthrene-d10        | 17.358 | 188  | 18587    | 0.400 | ng/ul  | 0.02     |
| 17) Chrysene-d12            | 21.539 | 240  | 18425    | 0.400 | ng/ul  | 0.02     |
| 23) Perylene-d12            | 24.012 | 264  | 22515    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 13525    | 3.190 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.363 | 152  | 5366     | 0.300 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.380 | 212  | 18378    | 0.327 | ng/ul  | 0.02     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.368  | 88   | 1980     | 0.449 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.400 | 178  | 3557     | 0.061 | ng/ul# | 90       |
| 16) Anthracene              | 17.489 | 178  | 1958     | 0.040 | ng/ul# | 79       |
| 19) Fluoranthene            | 19.413 | 202  | 8379     | 0.112 | ng/ul  | 96       |
| 20) Pyrene                  | 19.780 | 202  | 7774     | 0.101 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.521 | 228  | 5047     | 0.071 | ng/ul# | 91       |
| 22) Chrysene                | 21.577 | 228  | 5029     | 0.068 | ng/ul# | 89       |
| 24) Benzo(b)fluoranthene    | 23.246 | 252  | 9360     | 0.093 | ng/ul# | 50       |
| 26) Benzo(a)pyrene          | 23.901 | 252  | 4701     | 0.058 | ng/ul# | 53       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.606 | 276  | 3662     | 0.035 | ng/ul# | 98       |
| 29) Benzo(g,h,i)perylene    | 27.421 | 276  | 3737     | 0.043 | ng/ul# | 82       |
| -----                       |        |      |          |       |        |          |

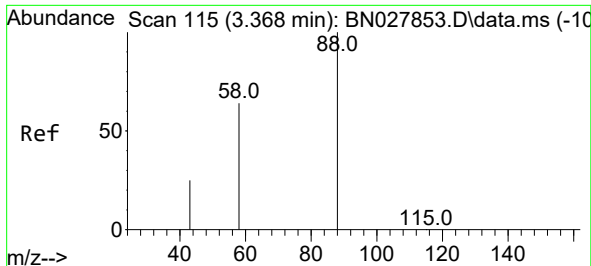
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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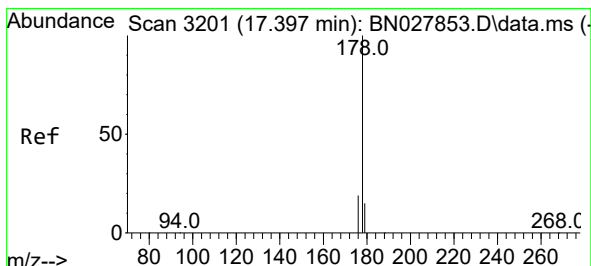
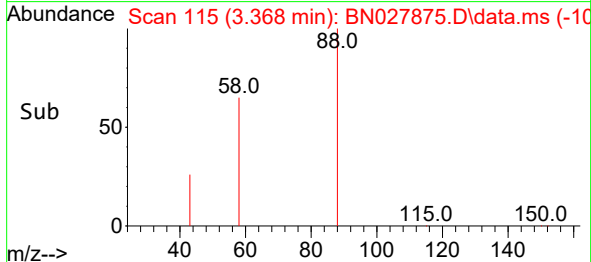
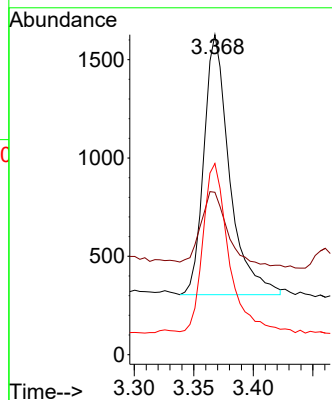
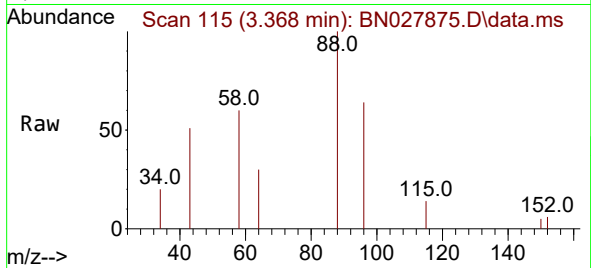




#2  
1,4-Dioxane  
Concen: 0.449 ng/ul  
RT: 3.368 min Scan# 115  
Delta R.T. -0.005 min  
Lab File: BN027875.D  
Acq: 26 Sep 2023 23:21

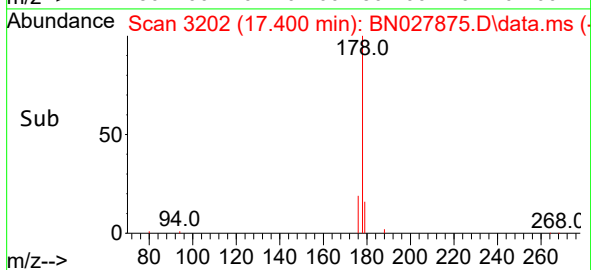
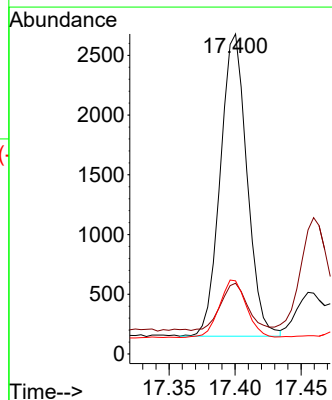
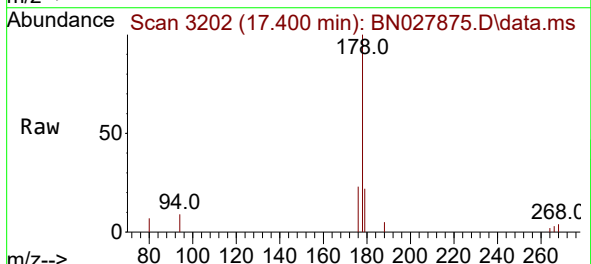
Instrument :  
BNA\_N  
ClientSampleId :  
BBJM0

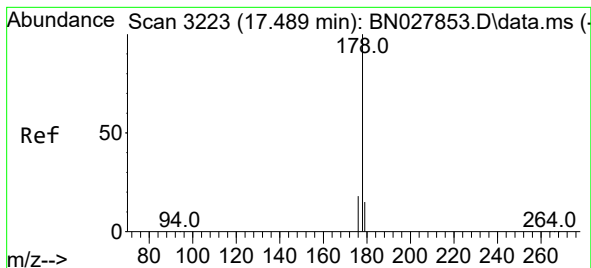
Tgt Ion: 88 Resp: 1980  
Ion Ratio Lower Upper  
88 100  
43 50.8 39.6 59.4  
58 59.7 48.3 72.5



#15  
Phenanthrene  
Concen: 0.061 ng/ul  
RT: 17.400 min Scan# 3202  
Delta R.T. 0.016 min  
Lab File: BN027875.D  
Acq: 26 Sep 2023 23:21

Tgt Ion: 178 Resp: 3557  
Ion Ratio Lower Upper  
178 100  
179 22.1 12.4 18.6#  
176 22.8 16.0 24.0





#16

Anthracene

Concen: 0.040 ng/ul

RT: 17.489 min Scan# 31

Delta R.T. 0.012 min

Lab File: BN027875.D

Acq: 26 Sep 2023 23:21

Instrument :

BNA\_N

ClientSampleId :

BBJM0

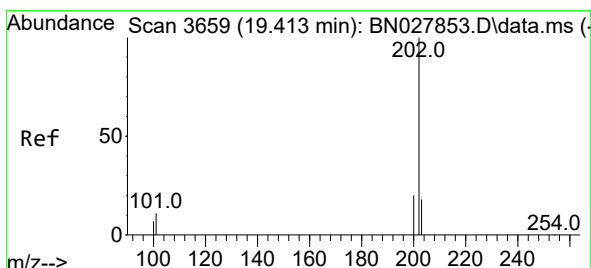
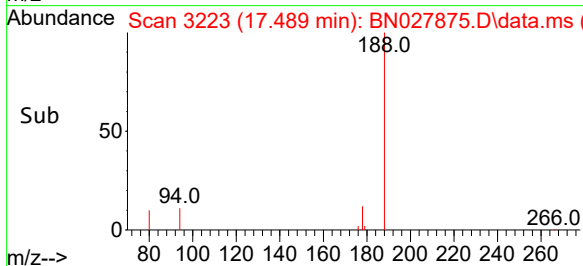
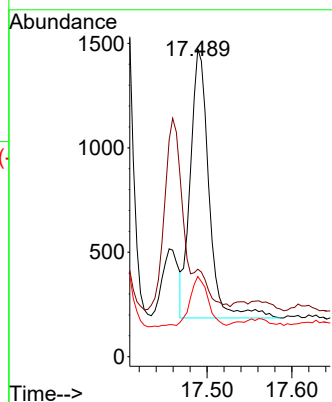
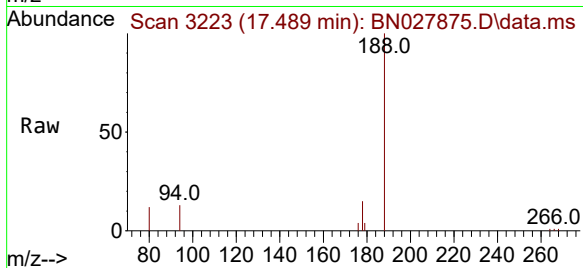
Tgt Ion:178 Resp: 1958

Ion Ratio Lower Upper

178 100

179 28.4 12.6 19.0#

176 26.1 15.5 23.3#



#19

Fluoranthene

Concen: 0.112 ng/ul

RT: 19.413 min Scan# 3659

Delta R.T. 0.017 min

Lab File: BN027875.D

Acq: 26 Sep 2023 23:21

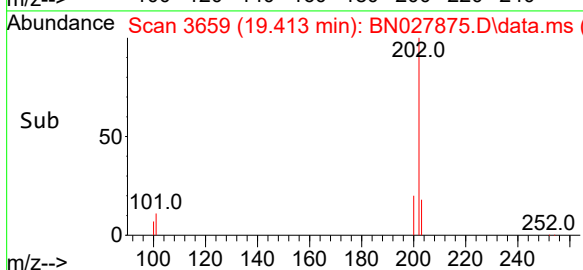
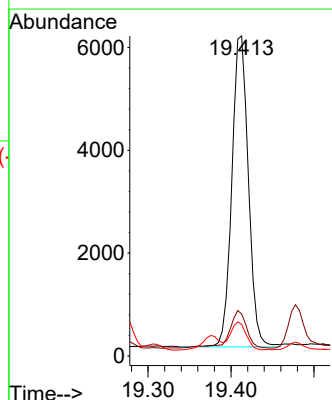
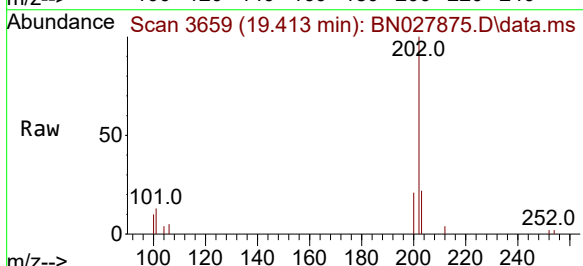
Tgt Ion:202 Resp: 8379

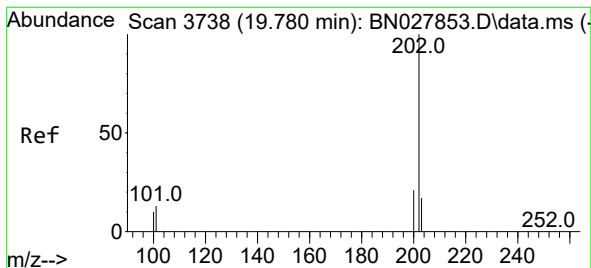
Ion Ratio Lower Upper

202 100

101 13.1 9.3 13.9

100 9.9 7.0 10.4





#20

Pyrene

Concen: 0.101 ng/ul

RT: 19.780 min Scan# 31

Delta R.T. 0.017 min

Lab File: BN027875.D

Acq: 26 Sep 2023 23:21

Instrument :

BNA\_N

ClientSampleId :

BBJM0

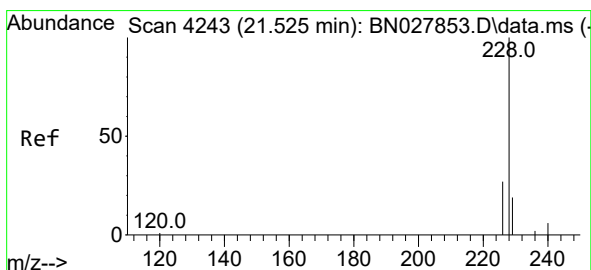
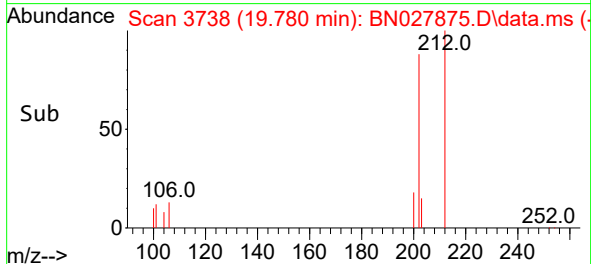
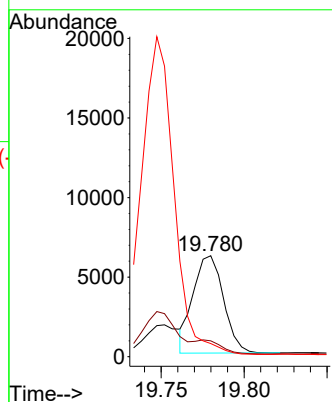
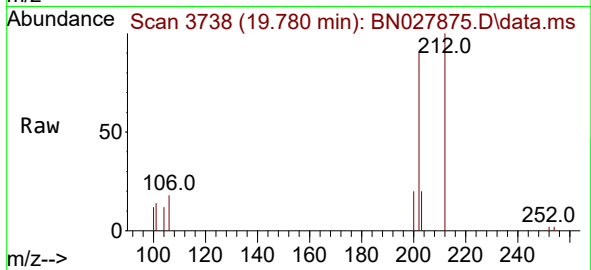
Tgt Ion:202 Resp: 7774

Ion Ratio Lower Upper

202 100

101 15.7 11.4 17.0

100 13.0 9.1 13.7



#21

Benzo(a)anthracene

Concen: 0.071 ng/ul

RT: 21.521 min Scan# 4242

Delta R.T. 0.018 min

Lab File: BN027875.D

Acq: 26 Sep 2023 23:21

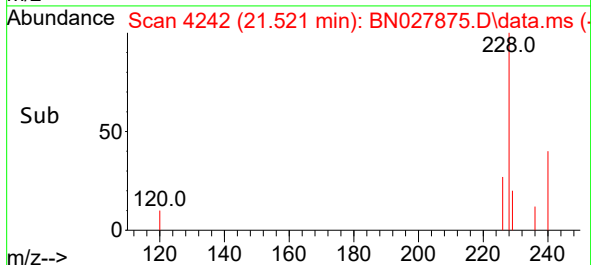
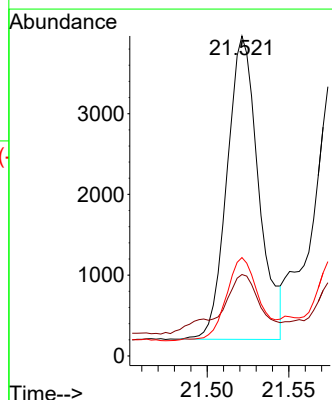
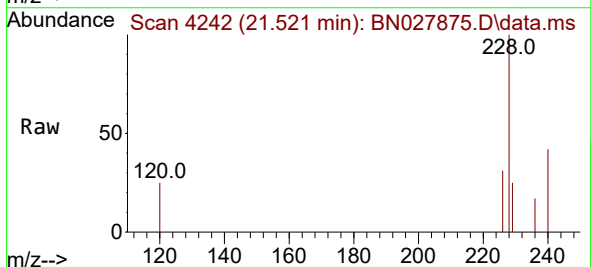
Tgt Ion:228 Resp: 5047

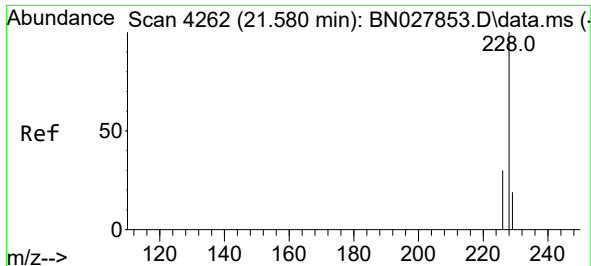
Ion Ratio Lower Upper

228 100

229 25.5 15.8 23.8#

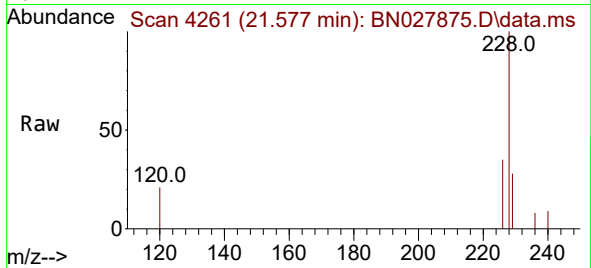
226 30.7 22.0 33.0



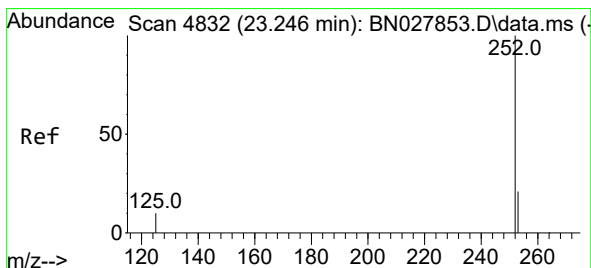
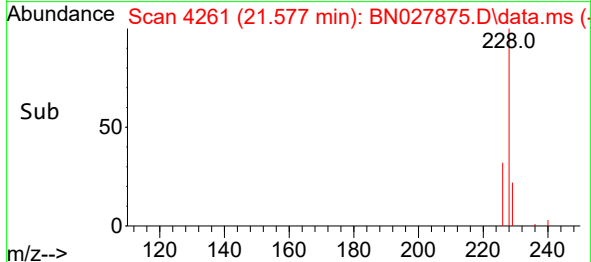
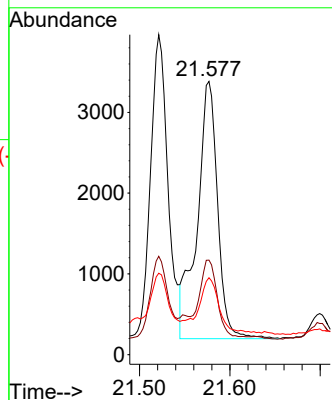


#22  
Chrysene  
Concen: 0.068 ng/ul  
RT: 21.577 min Scan# 4261  
Delta R.T. 0.018 min  
Lab File: BN027875.D  
Acq: 26 Sep 2023 23:21

Instrument :  
BNA\_N  
ClientSampleId :  
BBJM0

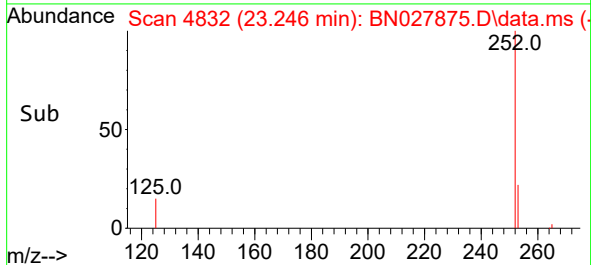
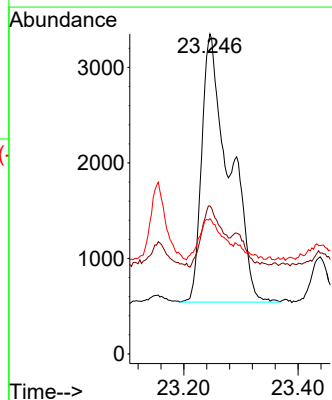
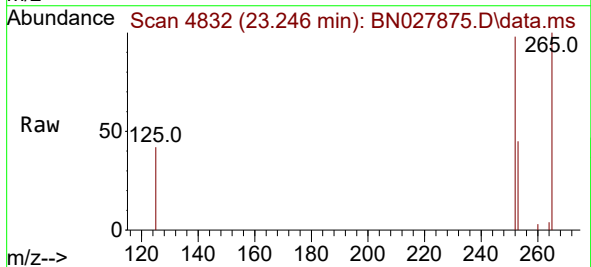


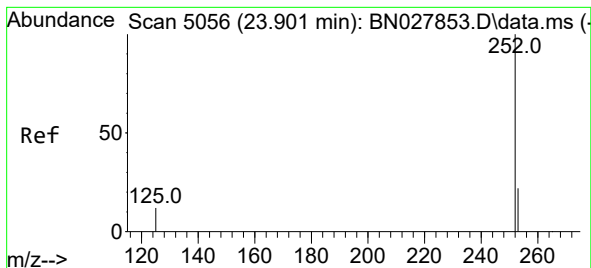
Tgt Ion:228 Resp: 5029  
Ion Ratio Lower Upper  
228 100  
226 34.6 24.5 36.7  
229 28.1 16.0 24.0#



#24  
Benzo(b)fluoranthene  
Concen: 0.093 ng/ul  
RT: 23.246 min Scan# 4832  
Delta R.T. 0.006 min  
Lab File: BN027875.D  
Acq: 26 Sep 2023 23:21

Tgt Ion:252 Resp: 9360  
Ion Ratio Lower Upper  
252 100  
253 46.2 0.0 50.2  
125 42.3 0.0 31.4#





#26

Benzo(a)pyrene

Concen: 0.058 ng/ul

RT: 23.901 min Scan# 5056

Delta R.T. 0.000 min

Lab File: BN027875.D

Acq: 26 Sep 2023 23:21

Instrument :

BNA\_N

ClientSampleId :

BBJM0

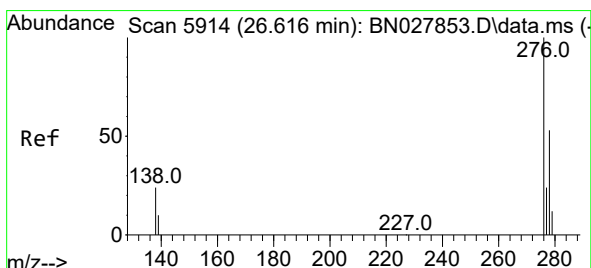
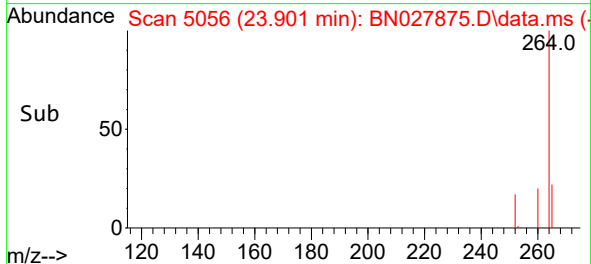
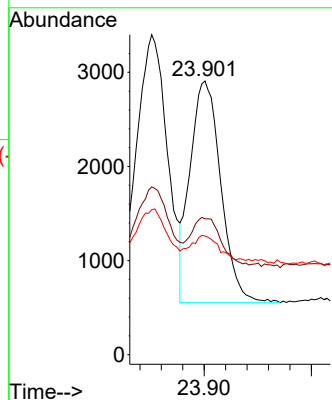
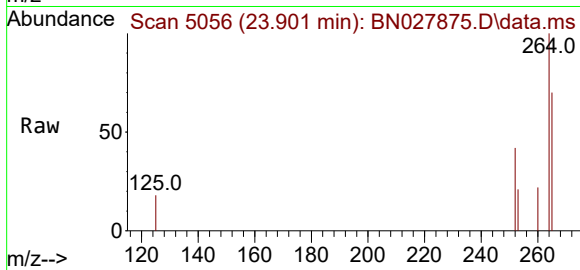
Tgt Ion:252 Resp: 4701

Ion Ratio Lower Upper

252 100

253 49.6 21.9 32.9#

125 43.3 15.5 23.3#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.035 ng/ul

RT: 26.606 min Scan# 5911

Delta R.T. -0.027 min

Lab File: BN027875.D

Acq: 26 Sep 2023 23:21

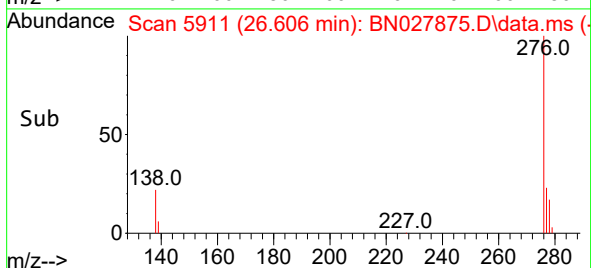
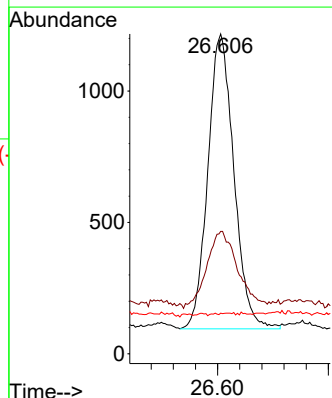
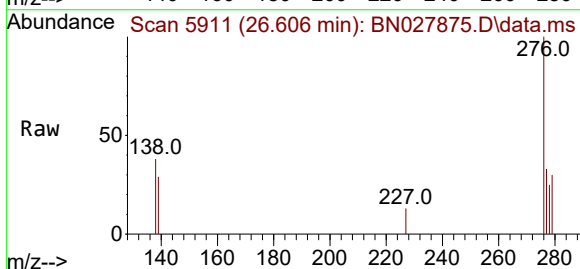
Tgt Ion:276 Resp: 3662

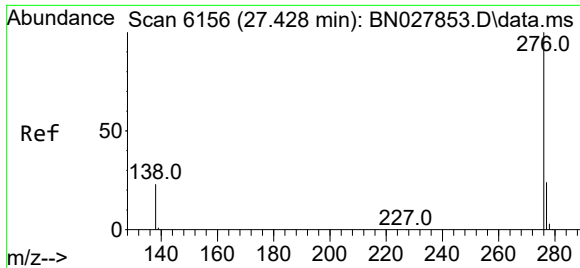
Ion Ratio Lower Upper

276 100

138 31.3 24.3 36.5

227 0.2 0.0 0.0#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.043 ng/ul  
 RT: 27.421 min Scan# 61  
 Delta R.T. -0.034 min  
 Lab File: BN027875.D  
 Acq: 26 Sep 2023 23:21

Instrument :  
 BNA\_N  
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 BBJM0

Tgt Ion:276 Resp: 3737  
 Ion Ratio Lower Upper  
 276 100  
 138 36.4 21.7 32.5#  
 277 34.2 20.2 30.2#

