

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112223\  
 Data File : BN028820.D  
 Acq On : 21 Nov 2023 20:53  
 Operator : MA/JU  
 Sample : 05281-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC4

Quant Time: Nov 21 23:52:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 21 23:49:43 2023  
 Response via : Initial Calibration

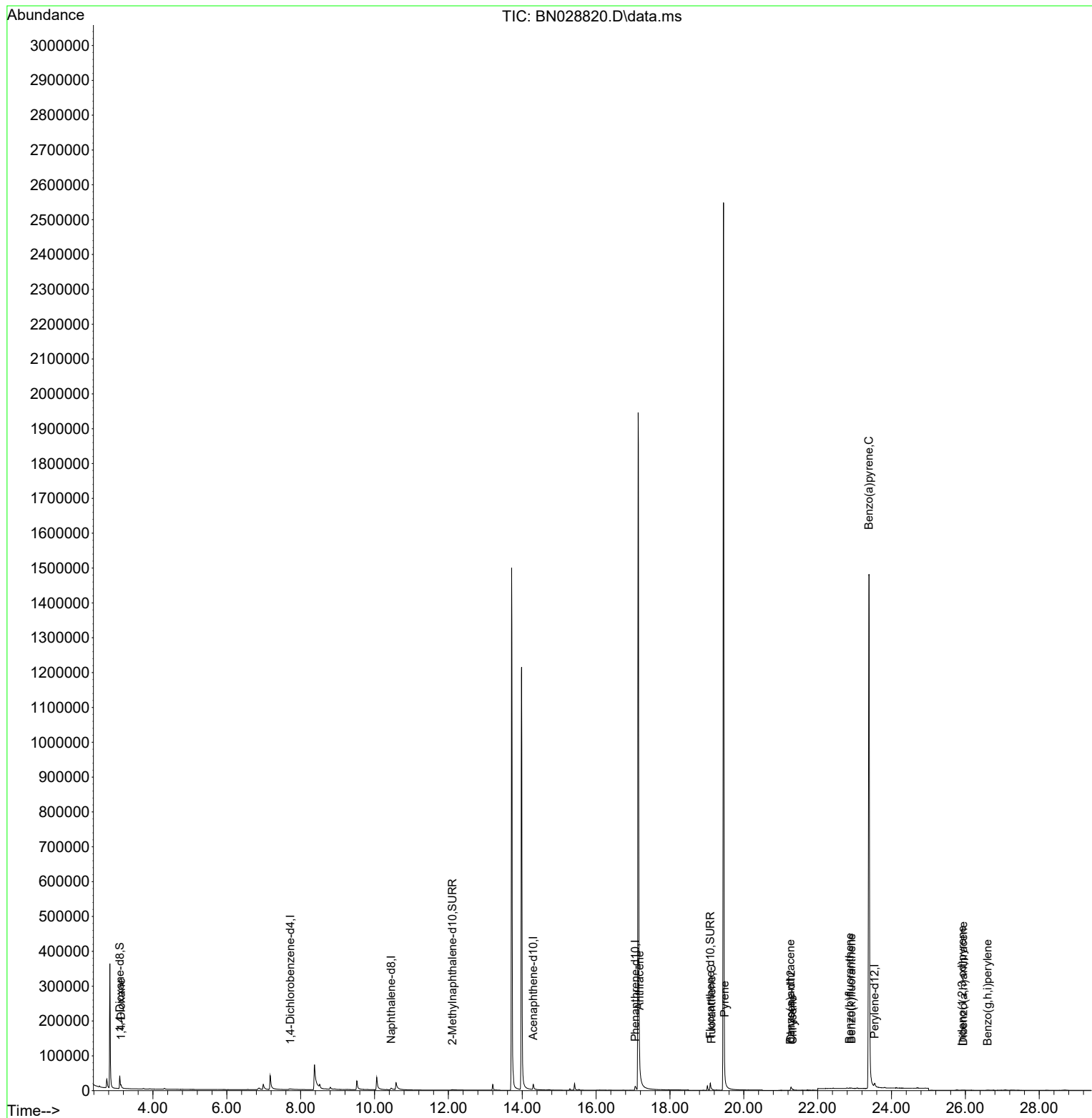
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.719  | 152  | 4233     | 0.400 | ng/ul  | #-0.02   |
| 4) Naphthalene-d8           | 10.451 | 136  | 14123    | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.297 | 164  | 11033    | 0.400 | ng/ul  | # 0.00   |
| 13) Phenanthrene-d10        | 17.060 | 188  | 21769    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.278 | 240  | 14579    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.543 | 264  | 17732    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.104  | 96   | 26727    | 5.713 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.107 | 152  | 3559     | 0.167 | ng/ul  | 0.03     |
| 18) Fluoranthene-d10        | 19.094 | 212  | 28805    | 0.614 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.137  | 88   | 5123     | 0.991 | ng/ul  | 91       |
| 16) Anthracene              | 17.178 | 178  | 1585     | 0.026 | ng/ul# | 38       |
| 19) Fluoranthene            | 19.127 | 202  | 2764     | 0.045 | ng/ul# | 81       |
| 20) Pyrene                  | 19.480 | 202  | 2934     | 0.046 | ng/ul# | 37       |
| 21) Benzo(a)anthracene      | 21.266 | 228  | 1547     | 0.027 | ng/ul# | 79       |
| 22) Chrysene                | 21.319 | 228  | 1935     | 0.034 | ng/ul# | 84       |
| 24) Benzo(b)fluoranthene    | 22.862 | 252  | 1878     | 0.028 | ng/ul# | 1        |
| 25) Benzo(k)fluoranthene    | 22.911 | 252  | 1852     | 0.027 | ng/ul# | 1        |
| 26) Benzo(a)pyrene          | 23.388 | 252  | 9157     | 0.146 | ng/ul# | 54       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.914 | 276  | 1749     | 0.025 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 25.941 | 278  | 1244     | 0.022 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 26.605 | 276  | 1624     | 0.028 | ng/ul# | 36       |
| -----                       |        |      |          |       |        |          |

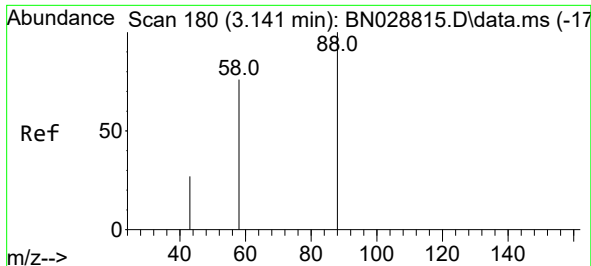
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112223\  
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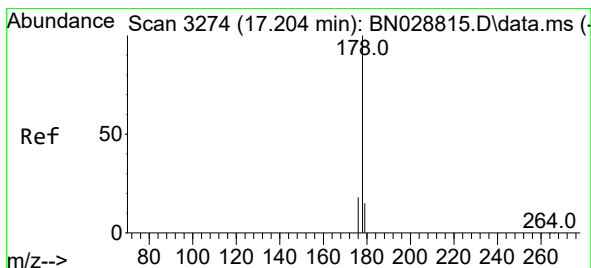
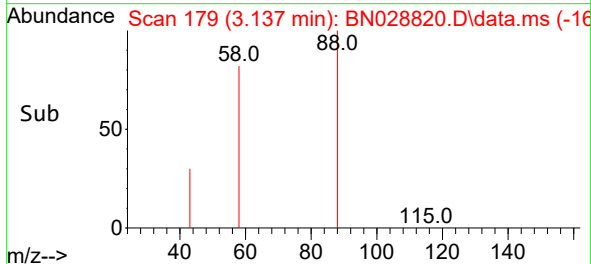
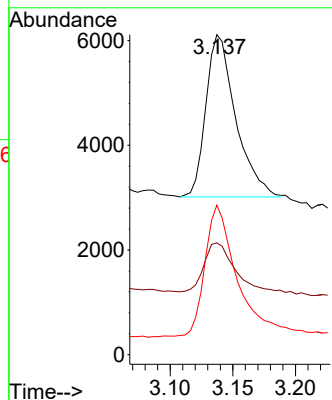
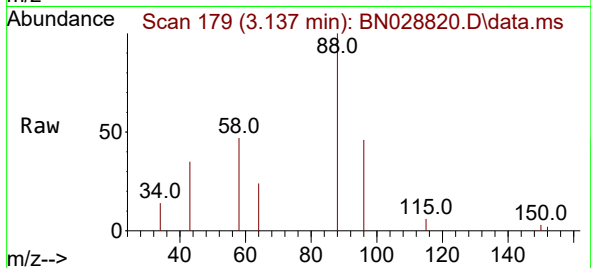




#2  
1,4-Dioxane  
Concen: 0.991 ng/ul  
RT: 3.137 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BN028820.D  
Acq: 21 Nov 2023 20:53

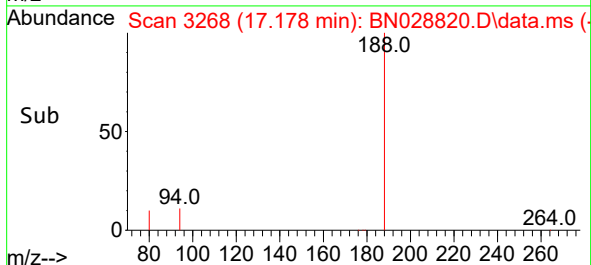
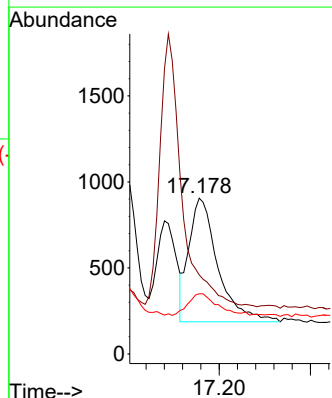
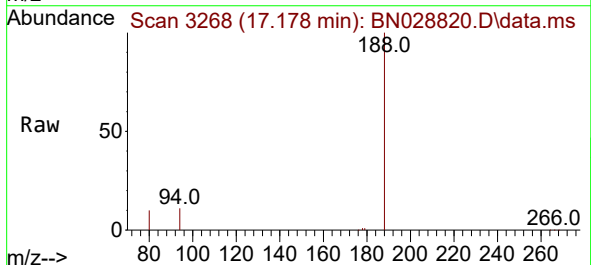
Instrument :  
BNA\_N  
ClientSampleId :  
C0AC4

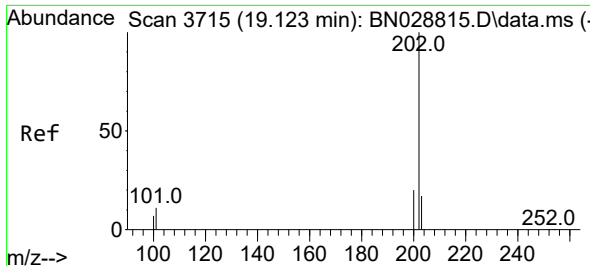
Tgt Ion: 88 Resp: 5123  
Ion Ratio Lower Upper  
88 100  
43 34.9 32.9 49.3  
58 46.7 41.8 62.8



#16  
Anthracene  
Concen: 0.026 ng/ul  
RT: 17.178 min Scan# 3268  
Delta R.T. -0.026 min  
Lab File: BN028820.D  
Acq: 21 Nov 2023 20:53

Tgt Ion: 178 Resp: 1585  
Ion Ratio Lower Upper  
178 100  
179 50.7 12.6 18.8#  
176 38.6 14.9 22.3#

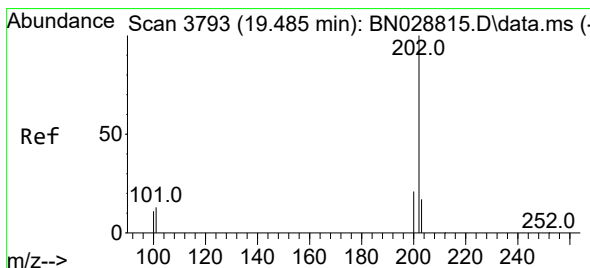
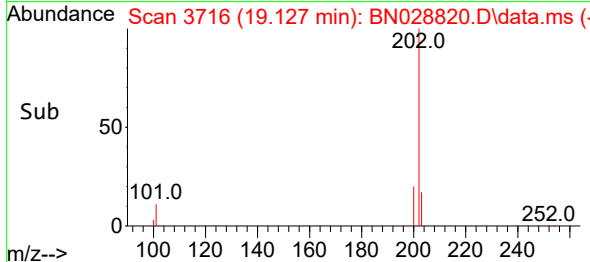
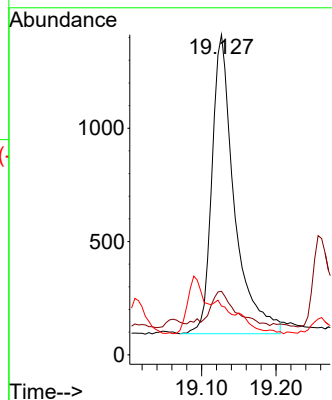
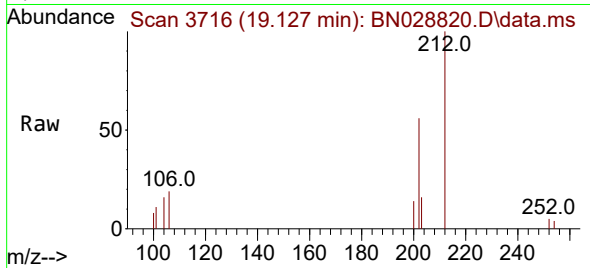




#19  
Fluoranthene  
Concen: 0.045 ng/ul  
RT: 19.127 min Scan# 3715  
Delta R.T. 0.004 min  
Lab File: BN028820.D  
Acq: 21 Nov 2023 20:53

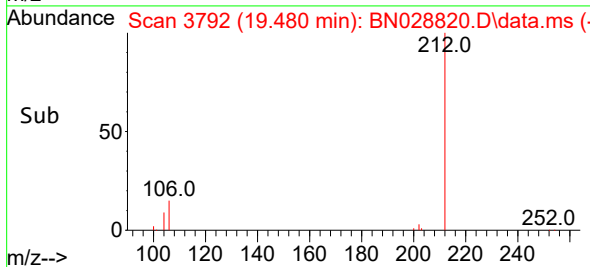
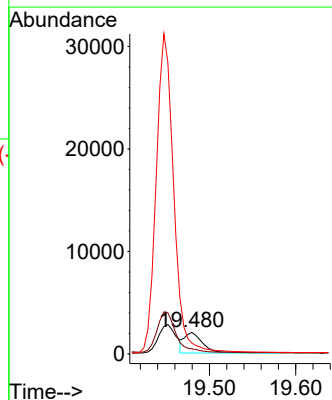
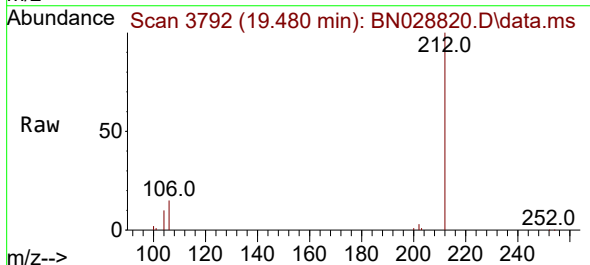
Instrument :  
BNA\_N  
ClientSampleId :  
C0AC4

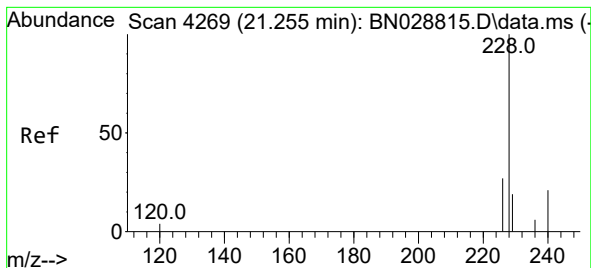
Tgt Ion:202 Resp: 2764  
Ion Ratio Lower Upper  
202 100  
101 19.8 9.5 14.3#  
100 15.2 7.2 10.8#



#20  
Pyrene  
Concen: 0.046 ng/ul  
RT: 19.480 min Scan# 3792  
Delta R.T. -0.005 min  
Lab File: BN028820.D  
Acq: 21 Nov 2023 20:53

Tgt Ion:202 Resp: 2934  
Ion Ratio Lower Upper  
202 100  
101 23.6 10.3 15.5#  
100 50.3 8.2 12.2#





#21

Benzo(a)anthracene

Concen: 0.027 ng/ul

RT: 21.266 min Scan# 41

Delta R.T. 0.011 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

Instrument :

BNA\_N

ClientSampleId :

C0AC4

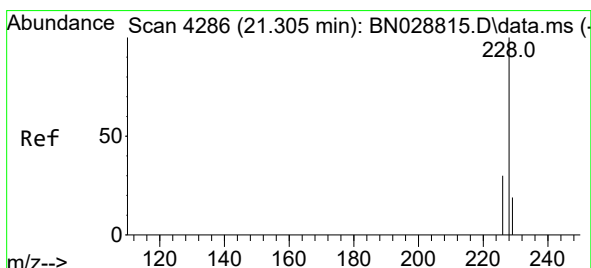
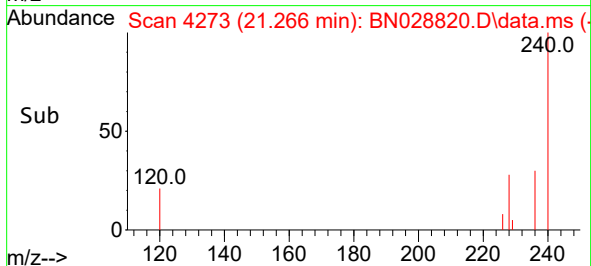
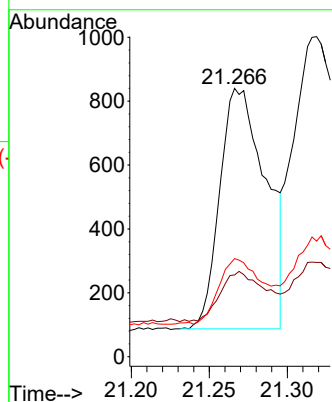
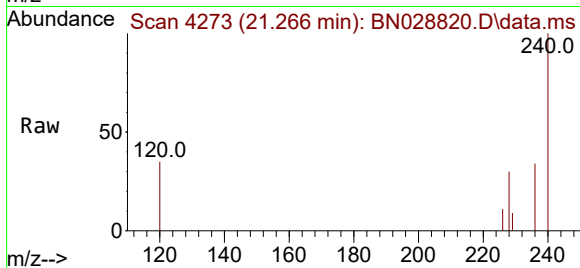
Tgt Ion:228 Resp: 1547

Ion Ratio Lower Upper

228 100

229 30.5 15.7 23.5#

226 36.5 21.4 32.0#



#22

Chrysene

Concen: 0.034 ng/ul

RT: 21.319 min Scan# 4291

Delta R.T. 0.014 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

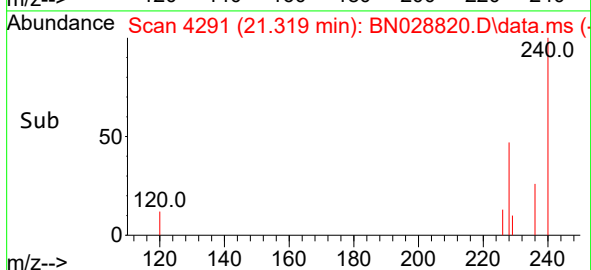
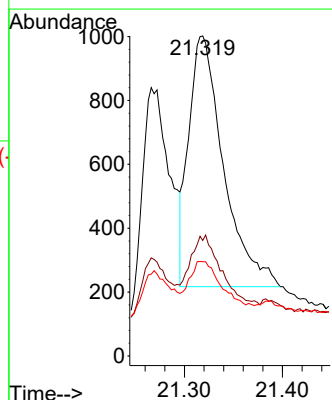
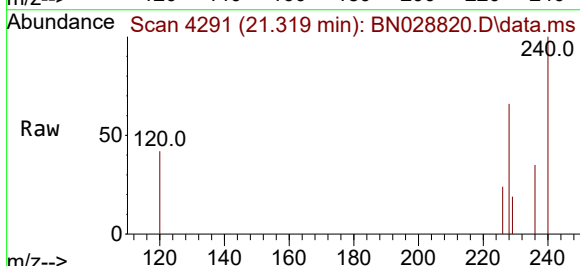
Tgt Ion:228 Resp: 1935

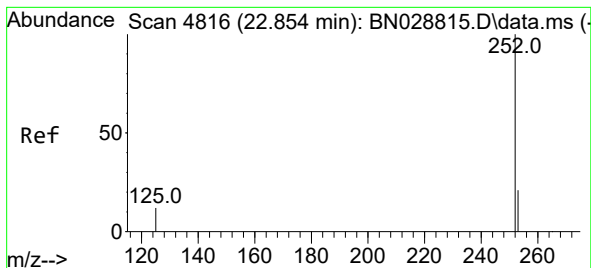
Ion Ratio Lower Upper

228 100

226 36.1 23.8 35.8#

229 29.4 15.4 23.2#





#24

Benzo(b)fluoranthene

Concen: 0.028 ng/ul

RT: 22.862 min Scan# 4819

Delta R.T. 0.008 min

Lab File: BN028820.D

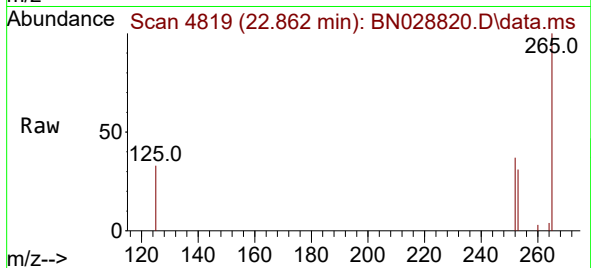
Acq: 21 Nov 2023 20:53

Instrument :

BNA\_N

ClientSampleId :

C0AC4



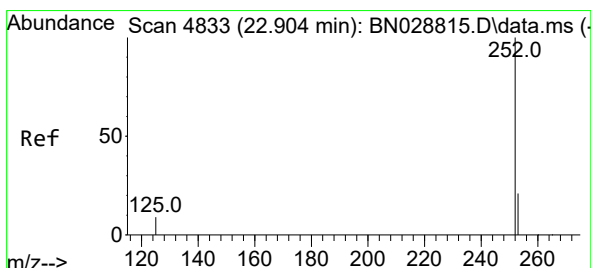
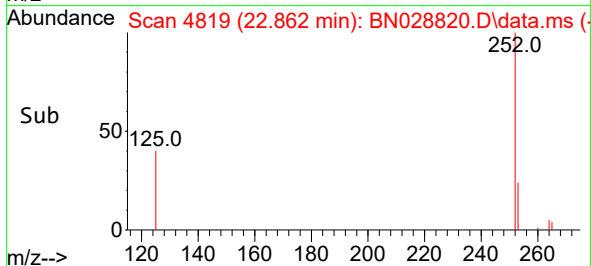
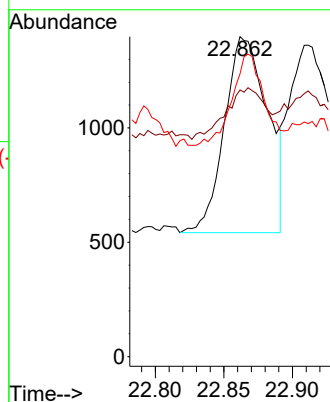
Tgt Ion:252 Resp: 1878

Ion Ratio Lower Upper

252 100

253 83.3 0.0 46.6#

125 88.4 0.0 27.6#



#25

Benzo(k)fluoranthene

Concen: 0.027 ng/ul

RT: 22.911 min Scan# 4836

Delta R.T. 0.008 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

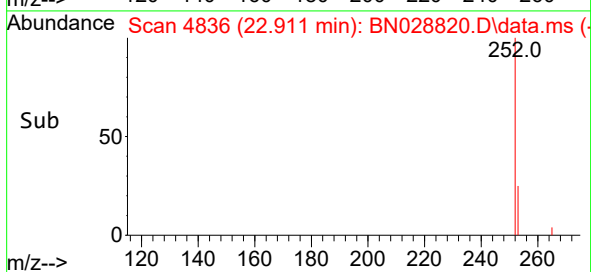
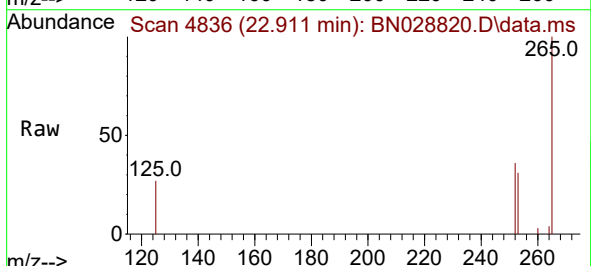
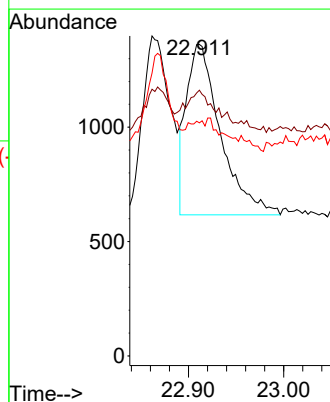
Tgt Ion:252 Resp: 1852

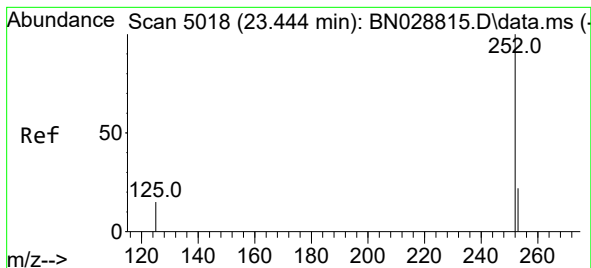
Ion Ratio Lower Upper

252 100

253 85.3 18.6 28.0#

125 74.8 12.7 19.1#





#26

Benzo(a)pyrene

Concen: 0.146 ng/ul

RT: 23.388 min Scan# 4999

Delta R.T. -0.056 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

Instrument :

BNA\_N

ClientSampleId :

C0AC4

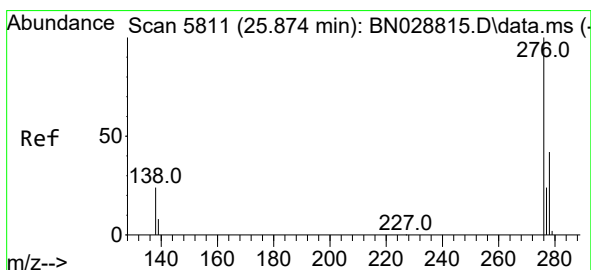
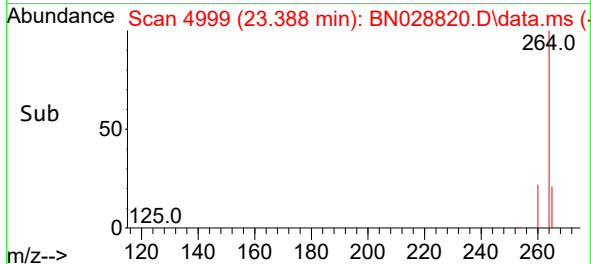
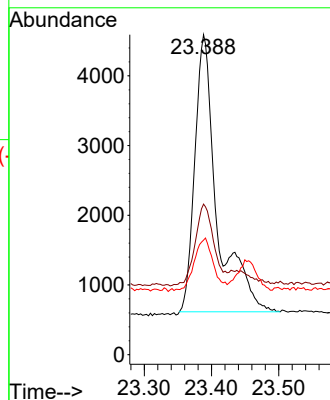
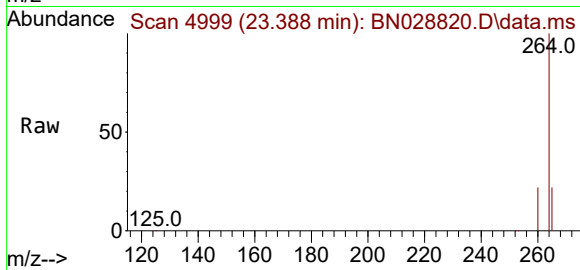
Tgt Ion:252 Resp: 9157

Ion Ratio Lower Upper

252 100

253 47.0 19.0 28.6#

125 35.8 13.2 19.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.025 ng/ul

RT: 25.914 min Scan# 5823

Delta R.T. 0.039 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

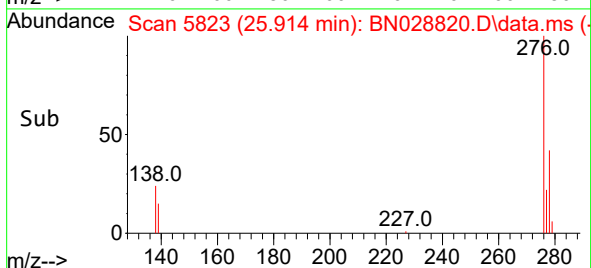
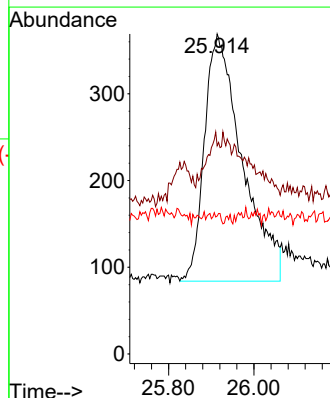
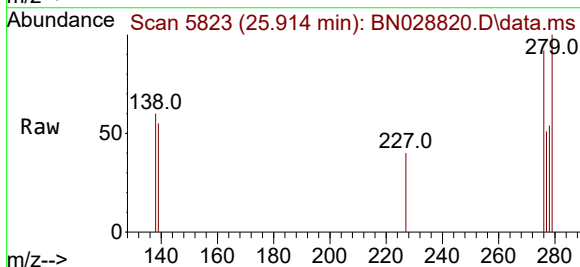
Tgt Ion:276 Resp: 1749

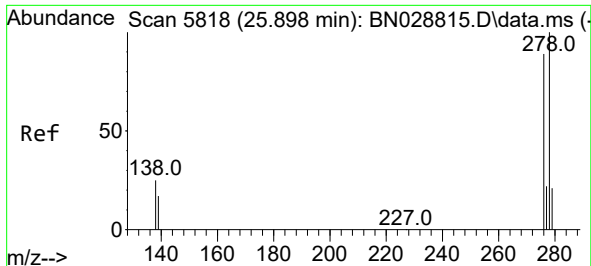
Ion Ratio Lower Upper

276 100

138 27.7 23.8 35.6

227 0.7 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.022 ng/ul

RT: 25.941 min Scan# 5818

Delta R.T. 0.043 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

Instrument :

BNA\_N

ClientSampleId :

C0AC4

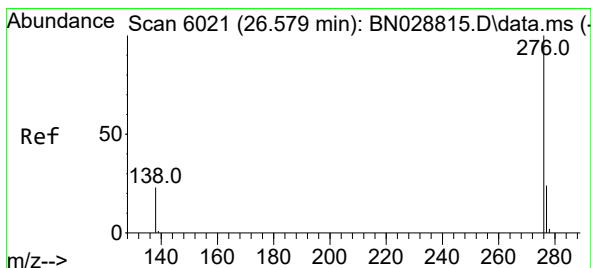
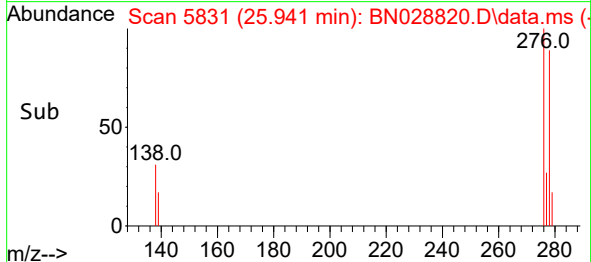
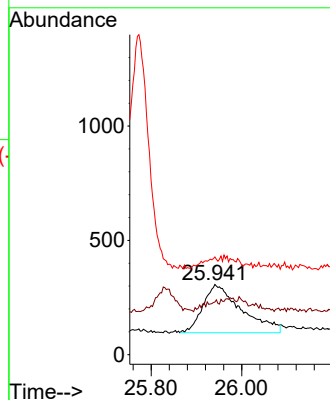
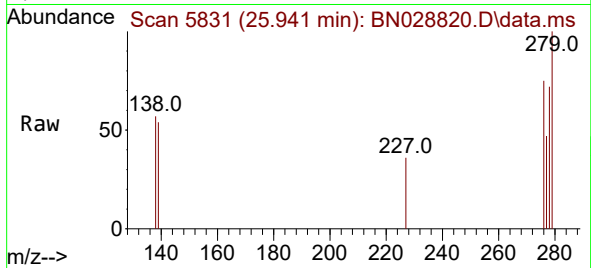
Tgt Ion:278 Resp: 1244

Ion Ratio Lower Upper

278 100

139 74.9 18.2 27.4#

279 139.4 20.7 31.1#



#29

Benzo(g,h,i)perylene

Concen: 0.028 ng/ul

RT: 26.605 min Scan# 6029

Delta R.T. 0.026 min

Lab File: BN028820.D

Acq: 21 Nov 2023 20:53

Tgt Ion:276 Resp: 1624

Ion Ratio Lower Upper

276 100

138 60.5 20.5 30.7#

277 53.6 19.4 29.0#

