

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028085.D  
 Acq On : 06 Oct 2023 15:16  
 Operator : MA/JU  
 Sample : 04469-03DL 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 07 00:31:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 06 05:15:40 2023  
 Response via : Initial Calibration

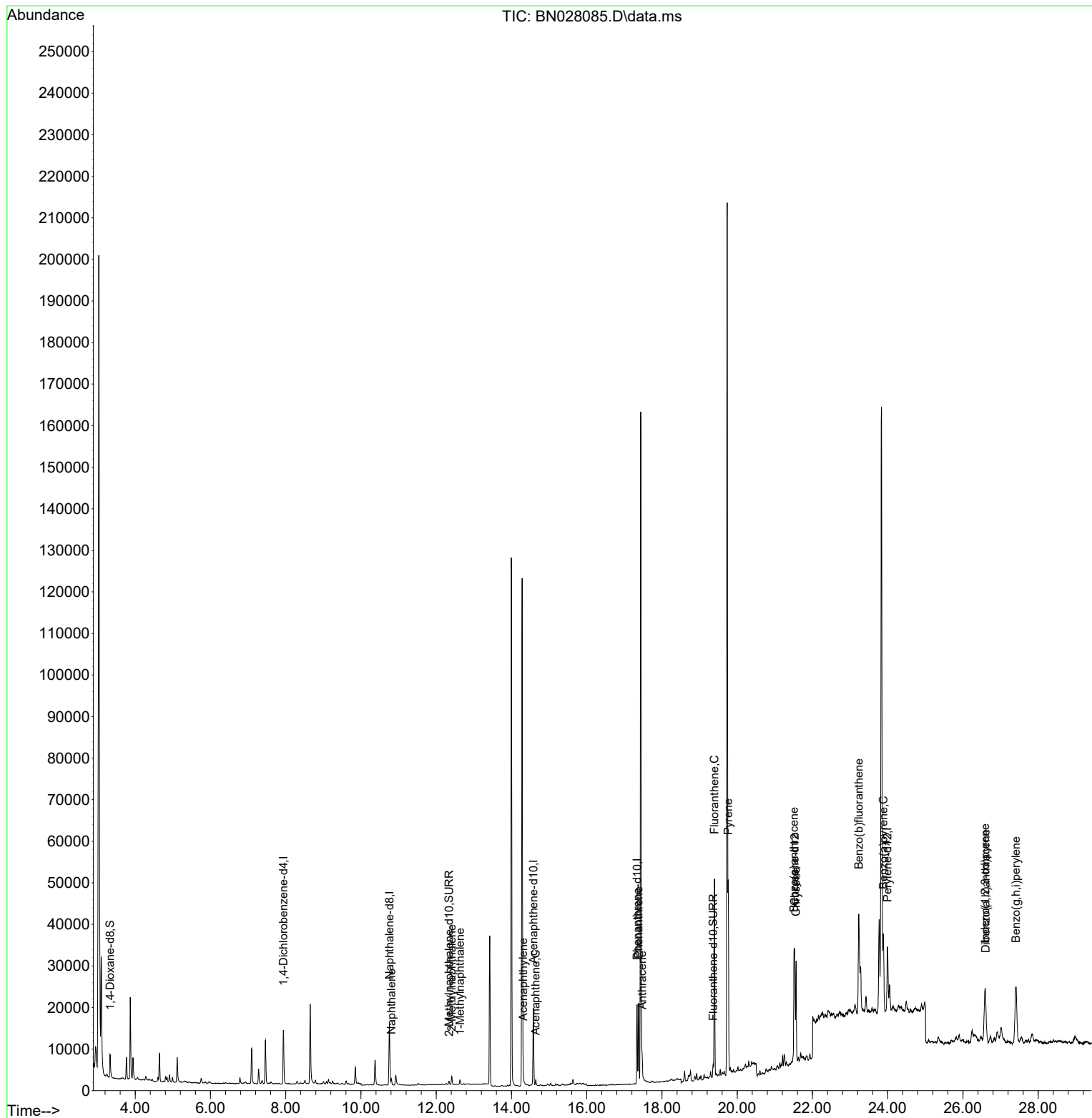
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.937  | 152  | 6650     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.757 | 136  | 20718    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.583 | 164  | 10734    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.337 | 188  | 21899    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.527 | 240  | 19338    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.994 | 264  | 21776    | 0.400 | ng/ul  | # 0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 4287     | 0.513 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.341 | 152  | 1101     | 0.033 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.362 | 212  | 2207     | 0.036 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.806 | 128  | 1928     | 0.033 | ng/ul# | 84       |
| 7) 2-Methylnaphthalene      | 12.412 | 142  | 1557     | 0.042 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.632 | 142  | 866      | 0.023 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.310 | 152  | 1623     | 0.033 | ng/ul# | 75       |
| 11) Acenaphthene            | 14.643 | 153  | 879      | 0.023 | ng/ul# | 89       |
| 15) Phenanthrene            | 17.380 | 178  | 20459    | 0.313 | ng/ul  | 98       |
| 16) Anthracene              | 17.472 | 178  | 5046     | 0.086 | ng/ul# | 89       |
| 19) Fluoranthene            | 19.394 | 202  | 39682    | 0.537 | ng/ul  | 99       |
| 20) Pyrene                  | 19.762 | 202  | 37352    | 0.488 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.507 | 228  | 20820    | 0.295 | ng/ul# | 88       |
| 22) Chrysene                | 21.562 | 228  | 21561    | 0.302 | ng/ul# | 87       |
| 24) Benzo(b)fluoranthene    | 23.231 | 252  | 57358    | 0.710 | ng/ul# | 66       |
| 26) Benzo(a)pyrene          | 23.883 | 252  | 26327    | 0.382 | ng/ul# | 57       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.589 | 276  | 24824    | 0.298 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.602 | 278  | 7291     | 0.108 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.411 | 276  | 30633    | 0.450 | ng/ul# | 74       |
| -----                       |        |      |          |       |        |          |

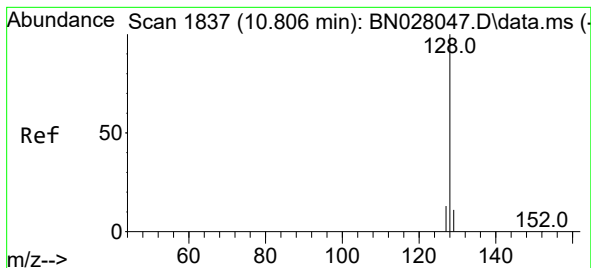
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
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BNA\_G  
ClientSampleId :

Quant Time: Oct 07 00:31:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
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QLast Update : Fri Oct 06 05:15:40 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.033 ng/ul

RT: 10.806 min Scan# 1837

Delta R.T. -0.000 min

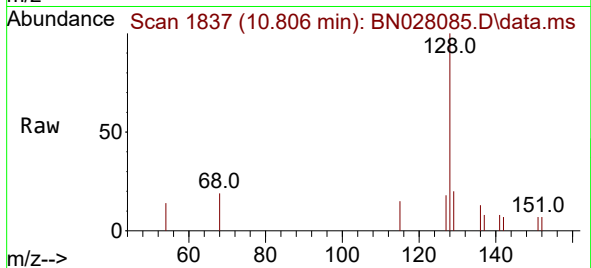
Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

Instrument :

BNA\_G

ClientSampleId :



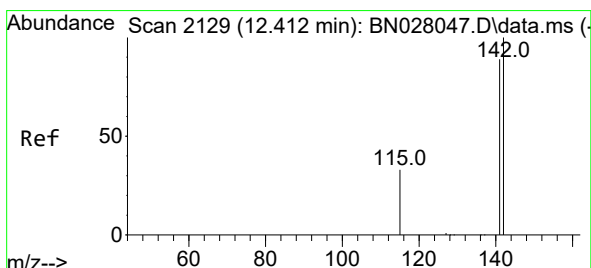
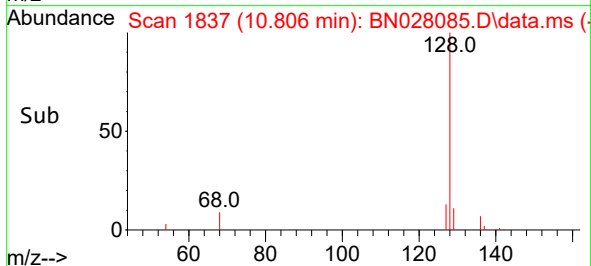
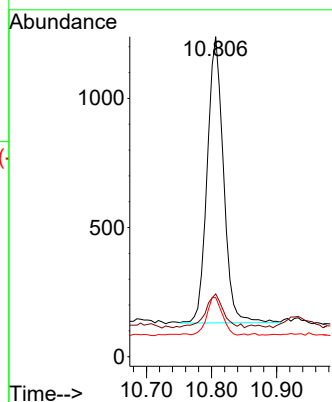
Tgt Ion:128 Resp: 1928

Ion Ratio Lower Upper

128 100

129 19.6 9.4 14.0#

127 18.5 11.0 16.4#



#7

2-Methylnaphthalene

Concen: 0.042 ng/ul

RT: 12.412 min Scan# 2129

Delta R.T. -0.000 min

Lab File: BN028085.D

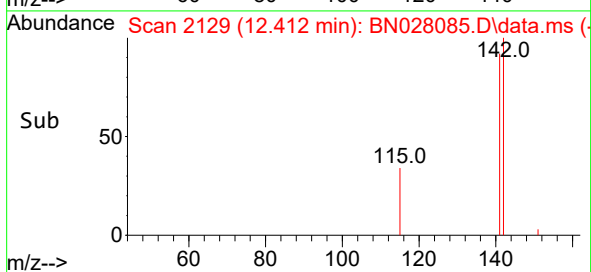
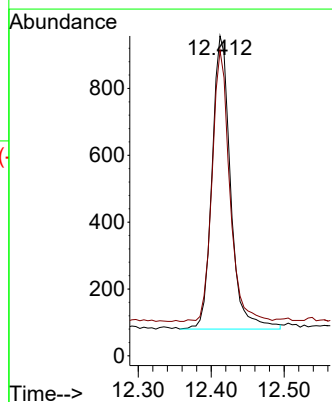
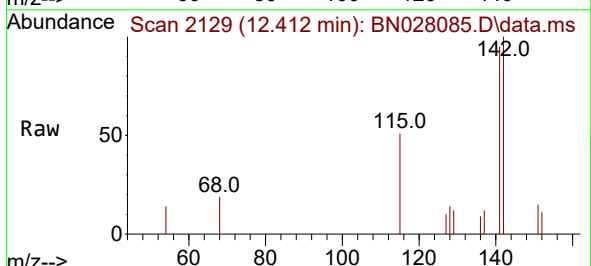
Acq: 06 Oct 2023 15:16

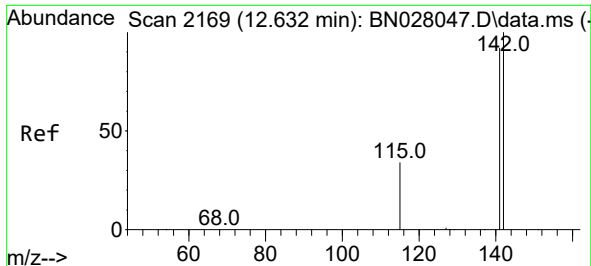
Tgt Ion:142 Resp: 1557

Ion Ratio Lower Upper

142 100

141 87.1 70.9 106.3

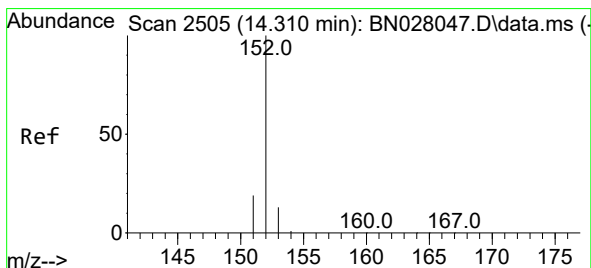
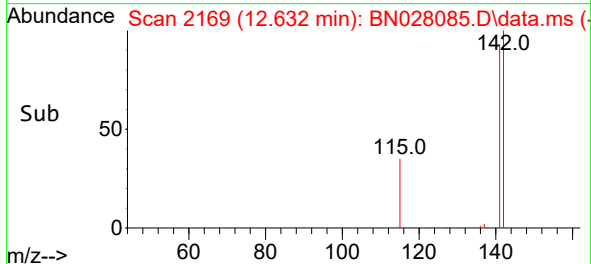
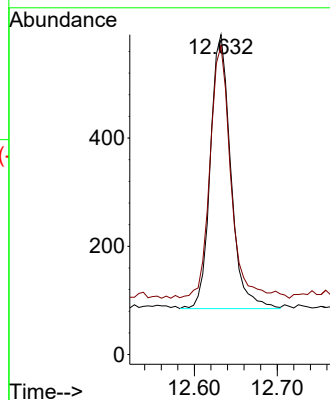
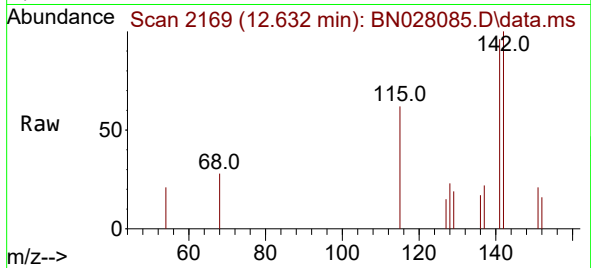




#8  
1-Methylnaphthalene  
Concen: 0.023 ng/ul  
RT: 12.632 min Scan# 2169  
Delta R.T. 0.005 min  
Lab File: BN028085.D  
Acq: 06 Oct 2023 15:16

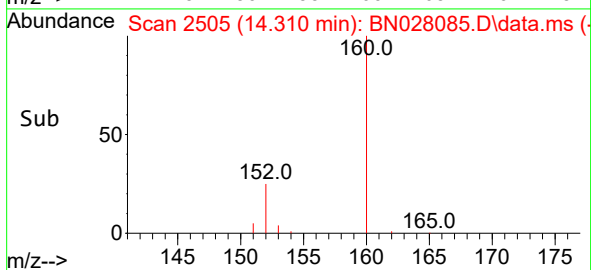
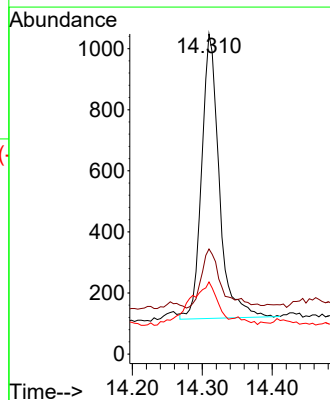
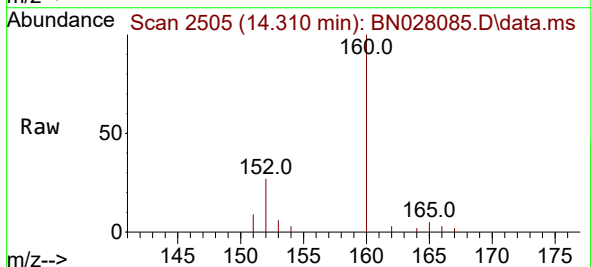
Instrument :  
BNA\_G  
ClientSampleId :

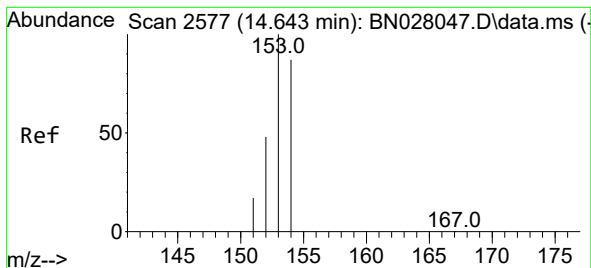
Tgt Ion:142 Resp: 866  
Ion Ratio Lower Upper  
142 100  
141 94.2 74.4 111.6



#10  
Acenaphthylene  
Concen: 0.033 ng/ul  
RT: 14.310 min Scan# 2505  
Delta R.T. -0.000 min  
Lab File: BN028085.D  
Acq: 06 Oct 2023 15:16

Tgt Ion:152 Resp: 1623  
Ion Ratio Lower Upper  
152 100  
151 32.8 16.4 24.6#  
153 22.5 10.9 16.3#





#11

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.643 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

Instrument :

BNA\_G

ClientSampleId :

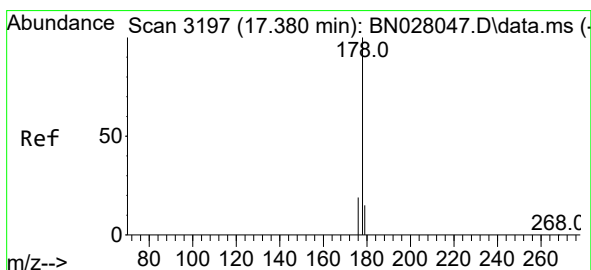
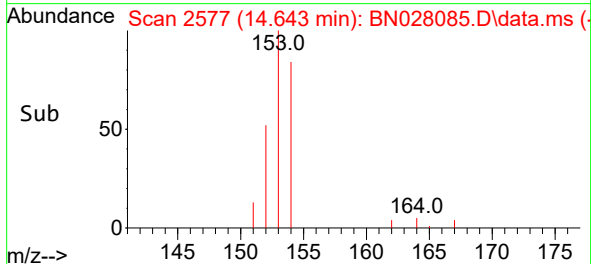
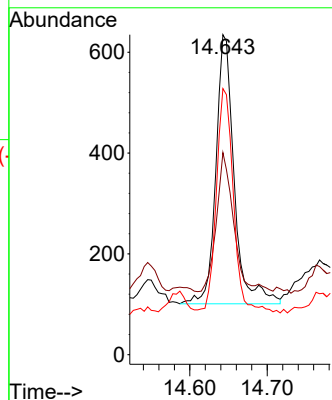
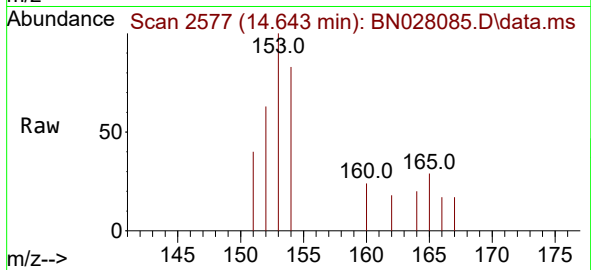
Tgt Ion:153 Resp: 879

Ion Ratio Lower Upper

153 100

152 63.1 39.4 59.0#

154 83.1 70.2 105.4



#15

Phenanthrene

Concen: 0.313 ng/ul

RT: 17.380 min Scan# 3197

Delta R.T. 0.004 min

Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

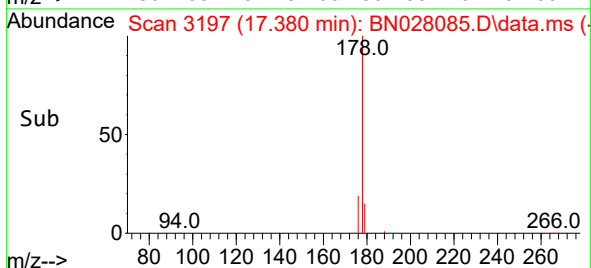
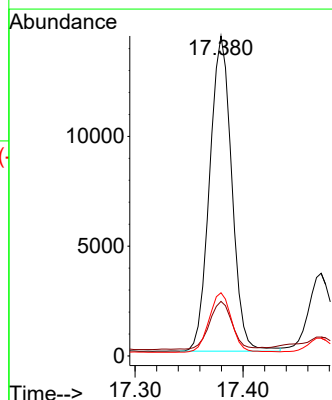
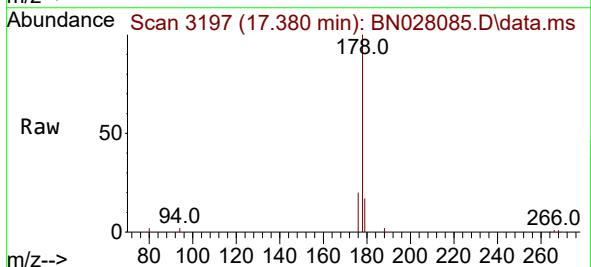
Tgt Ion:178 Resp: 20459

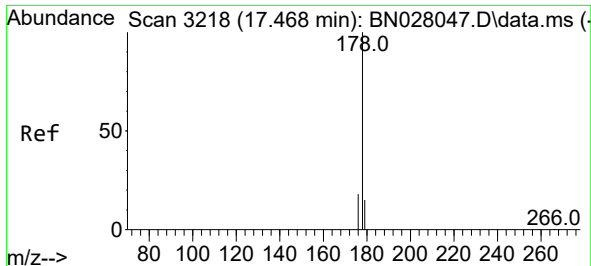
Ion Ratio Lower Upper

178 100

179 17.0 12.6 19.0

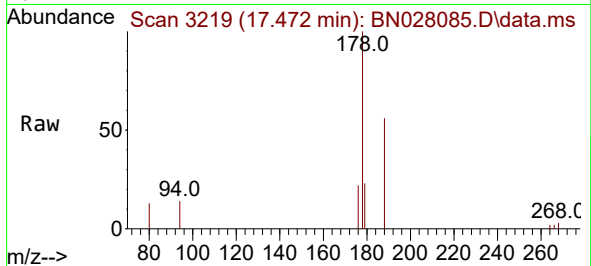
176 19.8 15.5 23.3



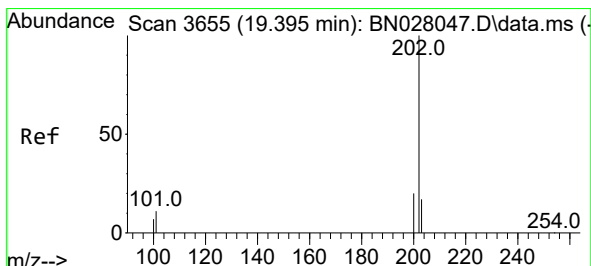
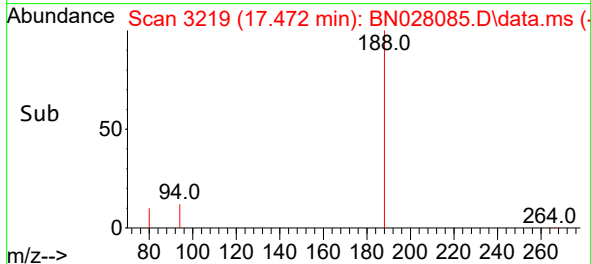
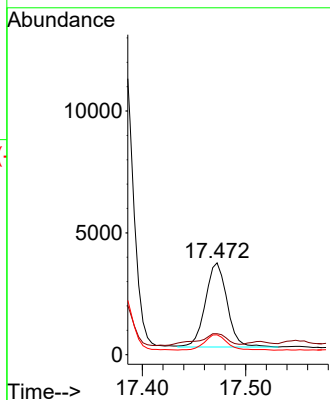


#16  
 Anthracene  
 Concen: 0.086 ng/ul  
 RT: 17.472 min Scan# 3219  
 Delta R.T. 0.004 min  
 Lab File: BN028085.D  
 Acq: 06 Oct 2023 15:16

Instrument :  
 BNA\_G  
 ClientSampleId :

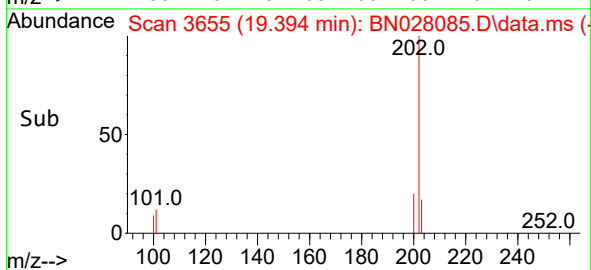
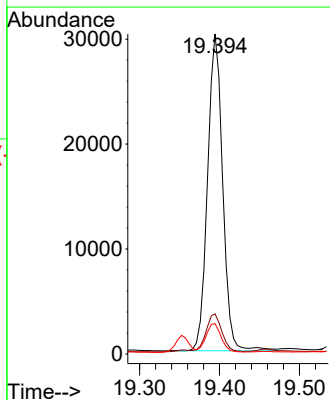
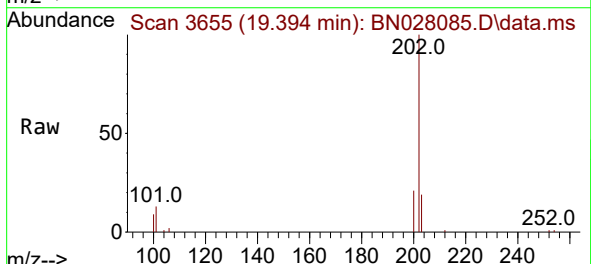


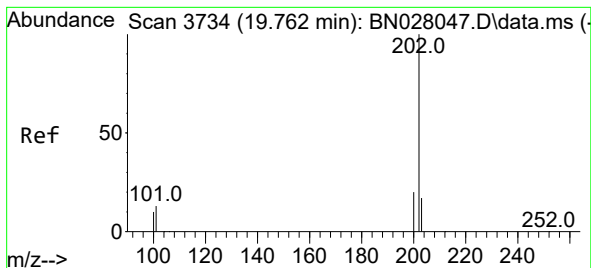
Tgt Ion:178 Resp: 5046  
 Ion Ratio Lower Upper  
 178 100  
 179 22.8 12.8 19.2#  
 176 21.5 15.0 22.6



#19  
 Fluoranthene  
 Concen: 0.537 ng/ul  
 RT: 19.394 min Scan# 3655  
 Delta R.T. 0.005 min  
 Lab File: BN028085.D  
 Acq: 06 Oct 2023 15:16

Tgt Ion:202 Resp: 39682  
 Ion Ratio Lower Upper  
 202 100  
 101 12.6 9.6 14.4  
 100 9.5 7.4 11.0





#20

Pyrene

Concen: 0.488 ng/ul

RT: 19.762 min Scan# 3734

Delta R.T. 0.005 min

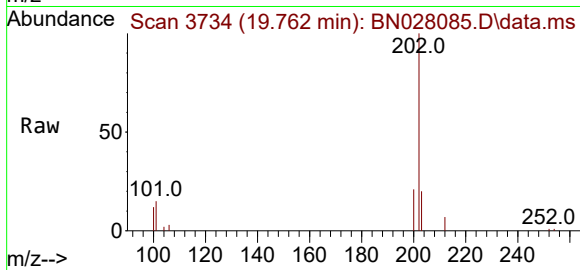
Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

Instrument :

BNA\_G

ClientSampleId :



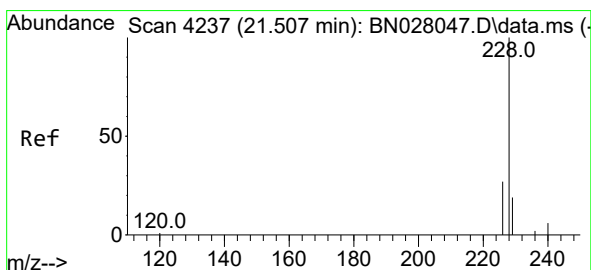
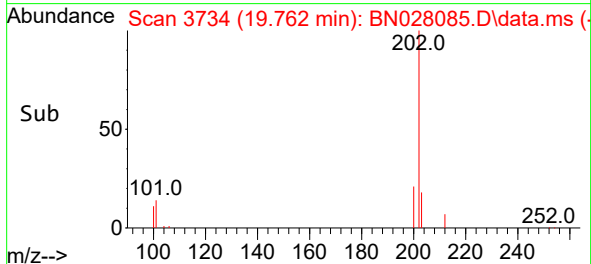
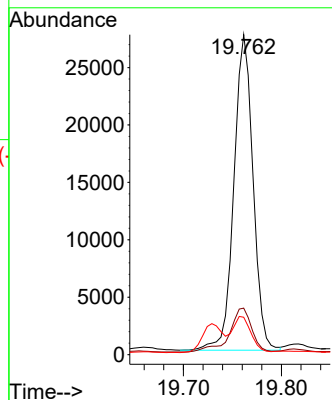
Tgt Ion:202 Resp: 37352

Ion Ratio Lower Upper

202 100

101 14.5 11.2 16.8

100 11.7 9.1 13.7



#21

Benzo(a)anthracene

Concen: 0.295 ng/ul

RT: 21.507 min Scan# 4237

Delta R.T. 0.006 min

Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

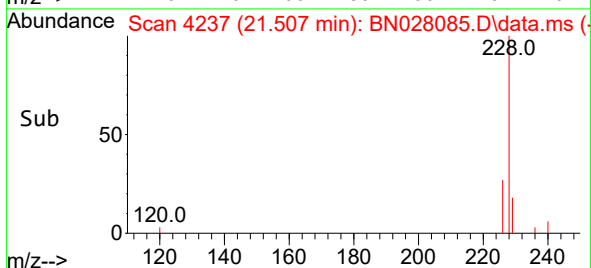
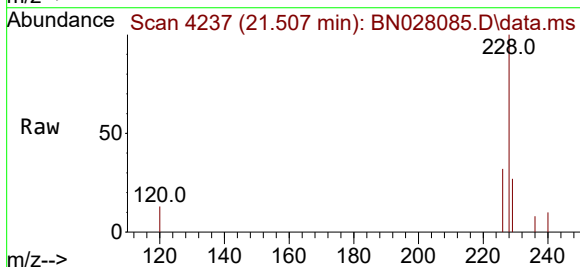
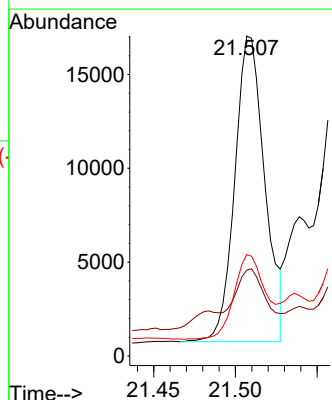
Tgt Ion:228 Resp: 20820

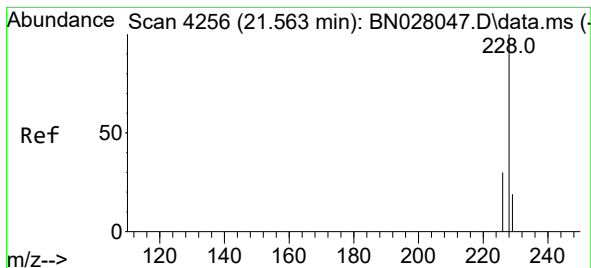
Ion Ratio Lower Upper

228 100

229 26.8 16.0 24.0#

226 31.7 21.5 32.3





#22

Chrysene

Concen: 0.302 ng/ul

RT: 21.562 min Scan# 4256

Delta R.T. 0.006 min

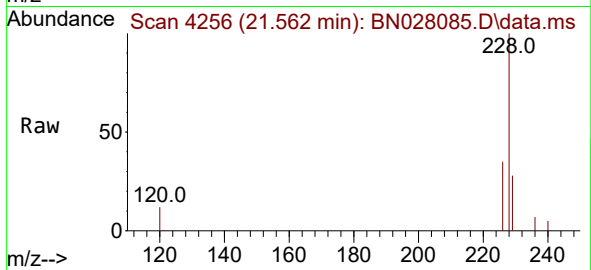
Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

Instrument :

BNA\_G

ClientSampleId :



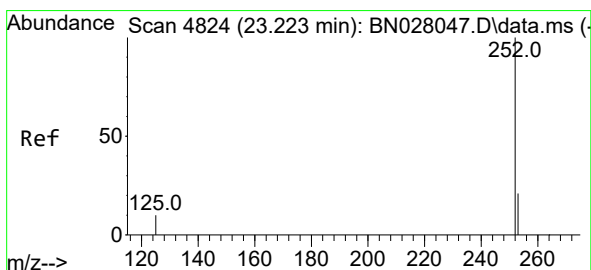
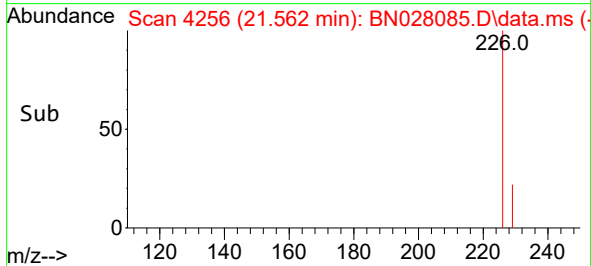
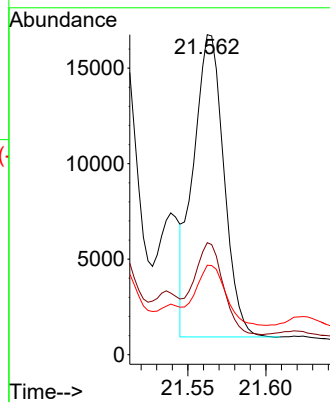
Tgt Ion:228 Resp: 21561

Ion Ratio Lower Upper

228 100

226 35.0 23.8 35.8

229 27.9 16.0 24.0#



#24

Benzo(b)fluoranthene

Concen: 0.710 ng/ul

RT: 23.231 min Scan# 4827

Delta R.T. 0.015 min

Lab File: BN028085.D

Acq: 06 Oct 2023 15:16

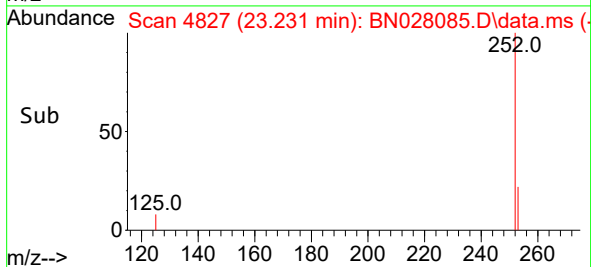
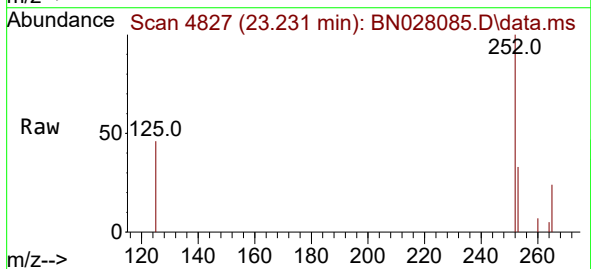
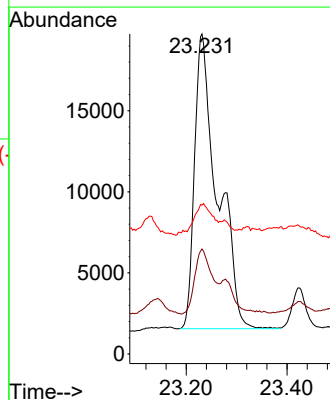
Tgt Ion:252 Resp: 57358

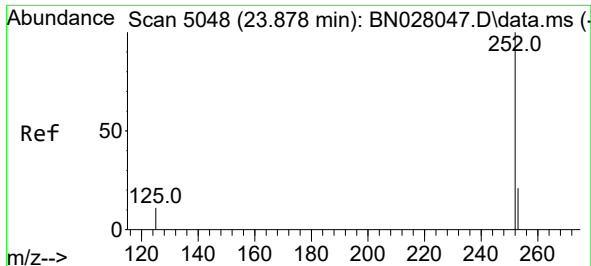
Ion Ratio Lower Upper

252 100

253 32.8 0.0 54.0

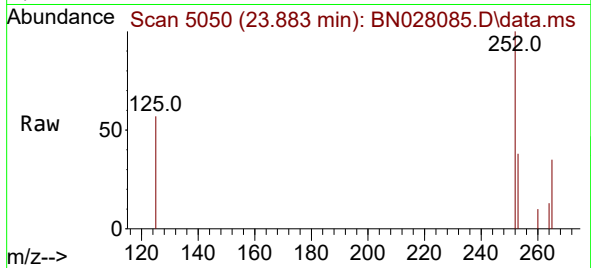
125 46.5 0.0 31.4#



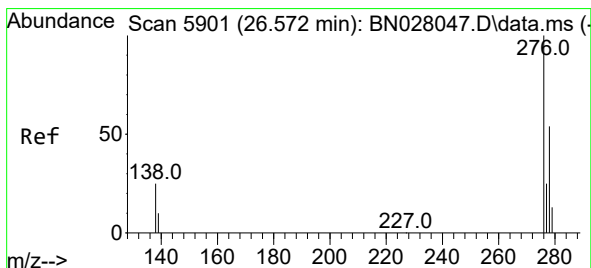
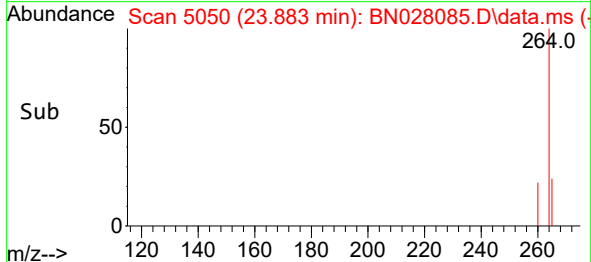
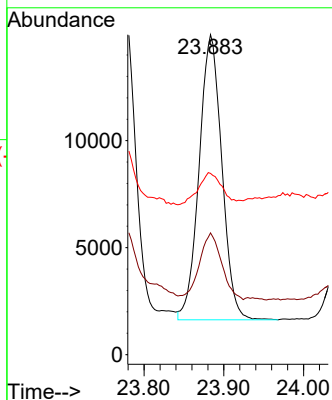


#26  
Benzo(a)pyrene  
Concen: 0.382 ng/ul  
RT: 23.883 min Scan# 5048  
Delta R.T. 0.015 min  
Lab File: BN028085.D  
Acq: 06 Oct 2023 15:16

Instrument :  
BNA\_G  
ClientSampleId :

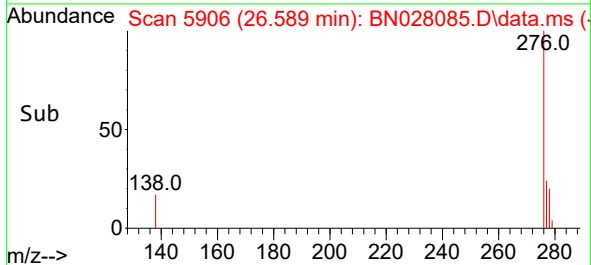
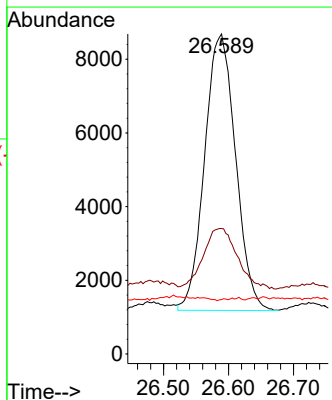
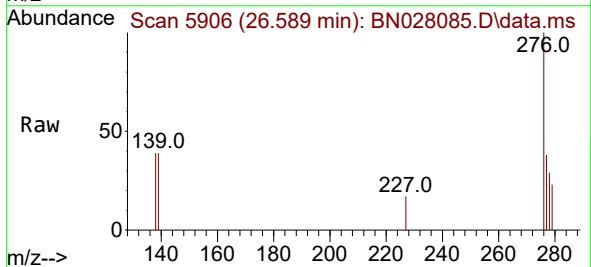


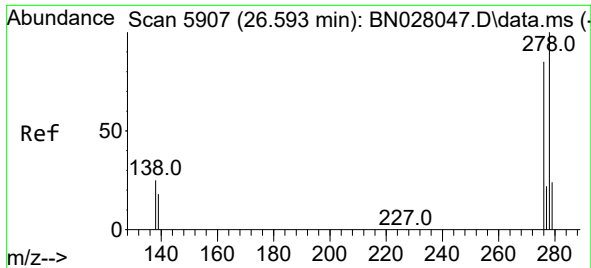
Tgt Ion:252 Resp: 26327  
Ion Ratio Lower Upper  
252 100  
253 38.1 23.4 35.2#  
125 56.7 15.3 22.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.298 ng/ul  
RT: 26.589 min Scan# 5906  
Delta R.T. 0.023 min  
Lab File: BN028085.D  
Acq: 06 Oct 2023 15:16

Tgt Ion:276 Resp: 24824  
Ion Ratio Lower Upper  
276 100  
138 24.1 21.6 32.4  
227 0.1 0.2 0.2#

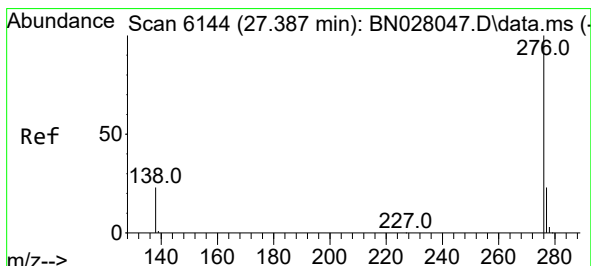
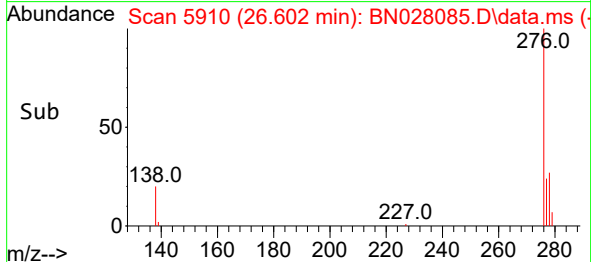
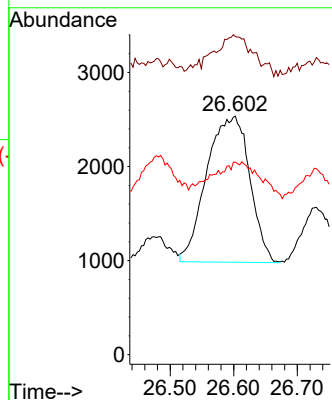
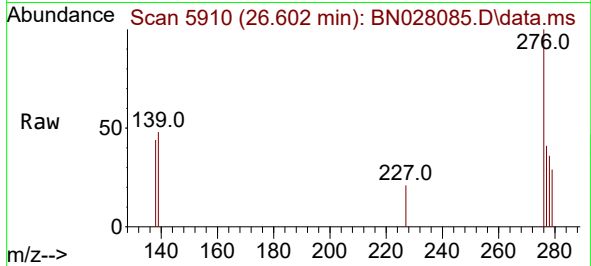




#28  
Dibenzo(a,h)anthracene  
Concen: 0.108 ng/ul  
RT: 26.602 min Scan# 5907  
Delta R.T. 0.020 min  
Lab File: BN028085.D  
Acq: 06 Oct 2023 15:16

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:278 Resp: 7291  
Ion Ratio Lower Upper  
278 100  
139 133.3 15.9 23.9#  
279 80.8 22.8 34.2#



#29  
Benzo(g,h,i)perylene  
Concen: 0.450 ng/ul  
RT: 27.411 min Scan# 6151  
Delta R.T. 0.033 min  
Lab File: BN028085.D  
Acq: 06 Oct 2023 15:16

Tgt Ion:276 Resp: 30633  
Ion Ratio Lower Upper  
276 100  
138 40.3 19.8 29.6#  
277 36.3 20.6 31.0#

