

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027109.D  
 Acq On : 24 Aug 2023 22:19  
 Operator : MA/JU  
 Sample : 03968-32DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48Q0DL

Quant Time: Aug 25 03:52:19 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 23 02:28:27 2023  
 Response via : Initial Calibration

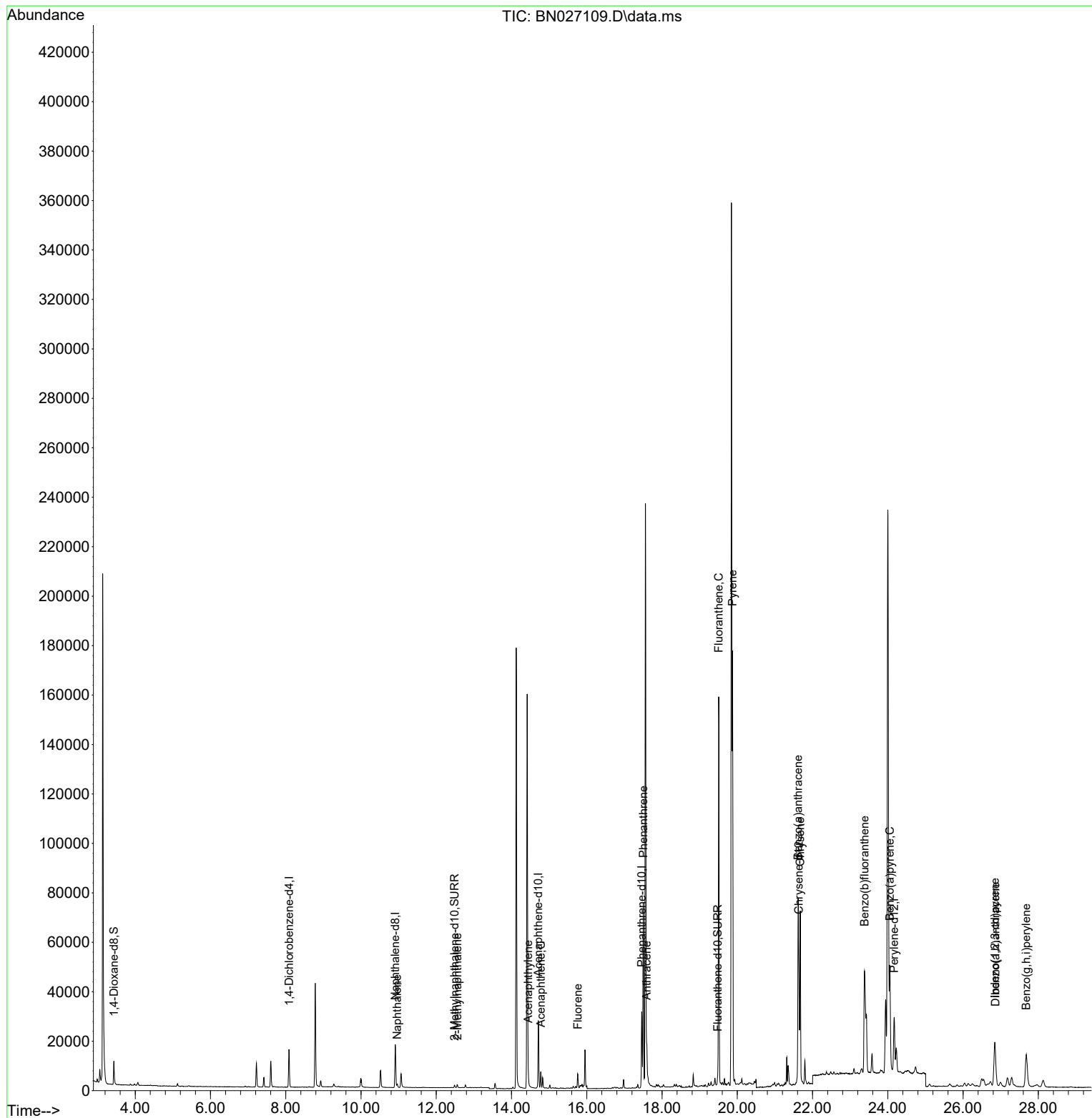
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.088  | 152  | 7794     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.911 | 136  | 24976    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.712 | 164  | 15359    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.460 | 188  | 36565    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.632 | 240  | 31106    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.170 | 264  | 32926    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.431  | 96   | 6752     | 0.730 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.484 | 152  | 1390     | 0.038 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.478 | 212  | 3903     | 0.040 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.960 | 128  | 1799     | 0.025 | ng/ul# | 84       |
| 7) 2-Methylnaphthalene      | 12.561 | 142  | 939      | 0.022 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.444 | 152  | 4136     | 0.048 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.777 | 153  | 3707     | 0.062 | ng/ul  | 99       |
| 12) Fluorene                | 15.758 | 166  | 3698     | 0.055 | ng/ul# | 97       |
| 15) Phenanthrene            | 17.502 | 178  | 80093    | 0.667 | ng/ul  | 100      |
| 16) Anthracene              | 17.595 | 178  | 15957    | 0.147 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.506 | 202  | 131719   | 1.019 | ng/ul  | 97       |
| 20) Pyrene                  | 19.873 | 202  | 149350   | 1.083 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.615 | 228  | 65555    | 0.530 | ng/ul  | 99       |
| 22) Chrysene                | 21.670 | 228  | 63844    | 0.523 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.380 | 252  | 115276   | 0.926 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 24.053 | 252  | 63174    | 0.562 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.844 | 276  | 34434    | 0.234 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.857 | 278  | 8517     | 0.073 | ng/ul# | 74       |
| 29) Benzo(g,h,i)perylene    | 27.679 | 276  | 33005    | 0.270 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

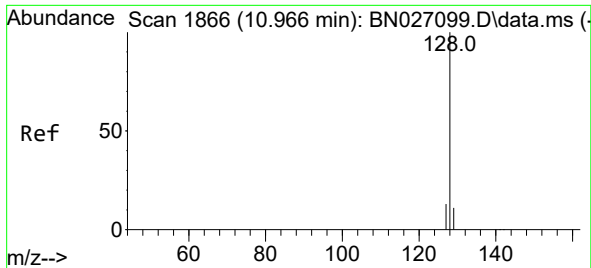
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
Data File : BN027109.D  
Acq On : 24 Aug 2023 22:19  
Operator : MA/JU  
Sample : 03968-32DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

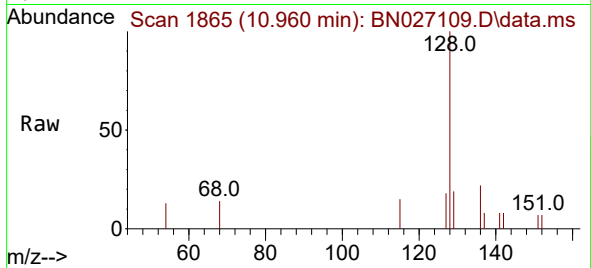
Quant Time: Aug 25 03:52:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 23 02:28:27 2023  
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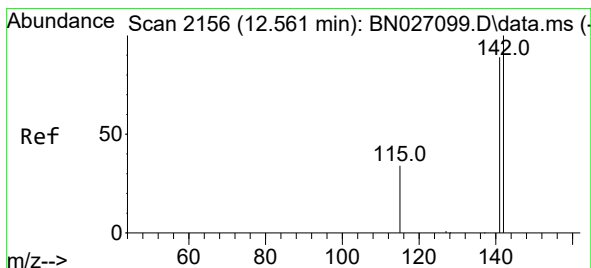
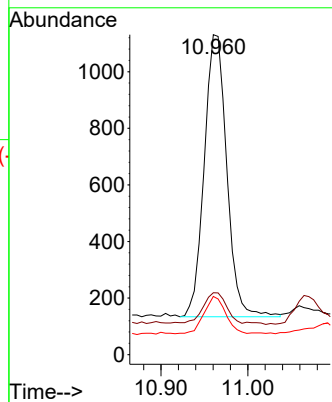
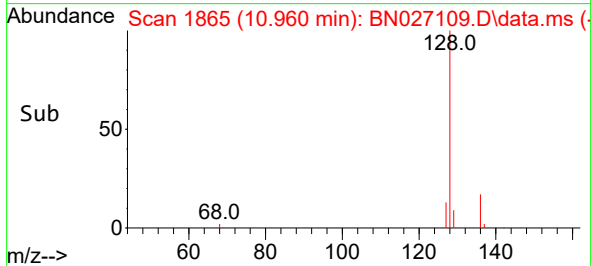


#5  
Naphthalene  
Concen: 0.025 ng/ul  
RT: 10.960 min Scan# 1865  
Delta R.T. -0.011 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

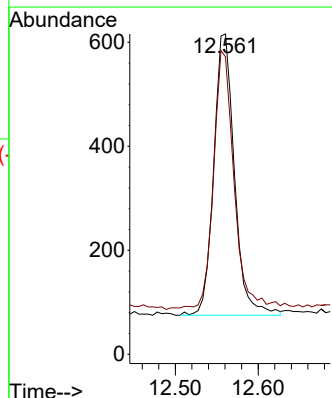
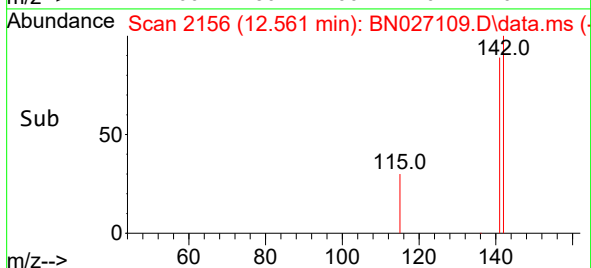
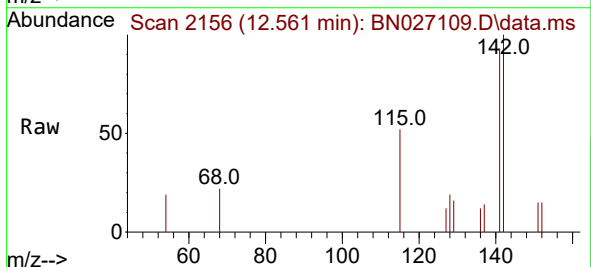


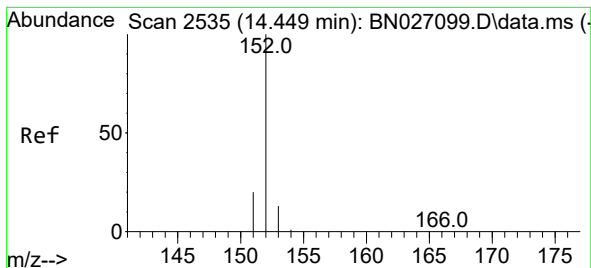
Tgt Ion:128 Resp: 1799  
Ion Ratio Lower Upper  
128 100  
129 19.4 9.2 13.8#  
127 18.2 10.5 15.7#



#7  
2-Methylnaphthalene  
Concen: 0.022 ng/ul  
RT: 12.561 min Scan# 2156  
Delta R.T. -0.006 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

Tgt Ion:142 Resp: 939  
Ion Ratio Lower Upper  
142 100  
141 91.8 70.9 106.3





#10

Acenaphthylene

Concen: 0.048 ng/ul

RT: 14.444 min Scan# 2534

Delta R.T. -0.009 min

Lab File: BN027109.D

Acq: 24 Aug 2023 22:19

Instrument :

BNA\_N

ClientSampleId :

A48Q0DL

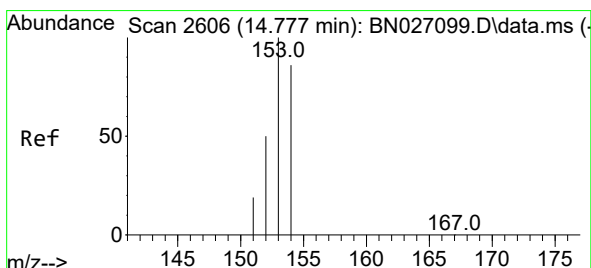
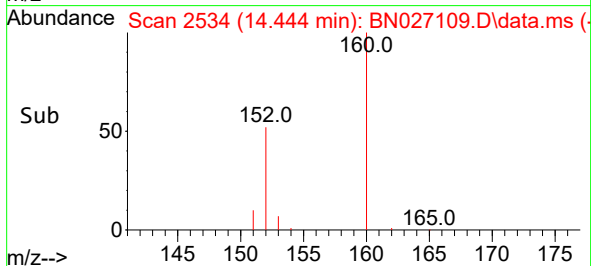
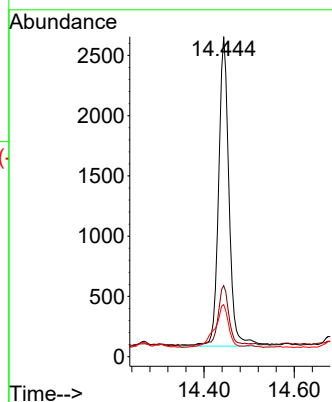
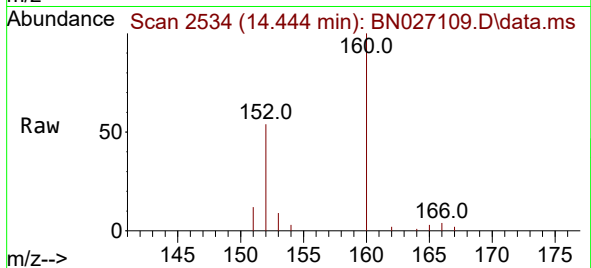
Tgt Ion:152 Resp: 4136

Ion Ratio Lower Upper

152 100

151 22.2 15.9 23.9

153 16.3 11.0 16.6



#11

Acenaphthene

Concen: 0.062 ng/ul

RT: 14.777 min Scan# 2606

Delta R.T. -0.009 min

Lab File: BN027109.D

Acq: 24 Aug 2023 22:19

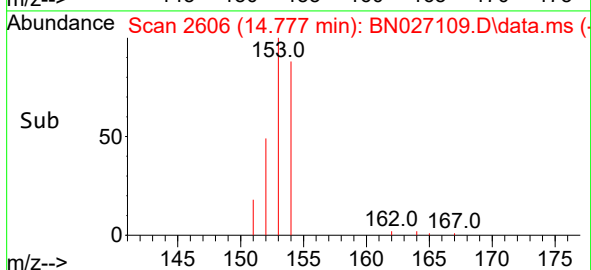
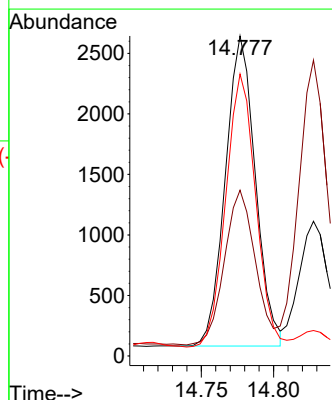
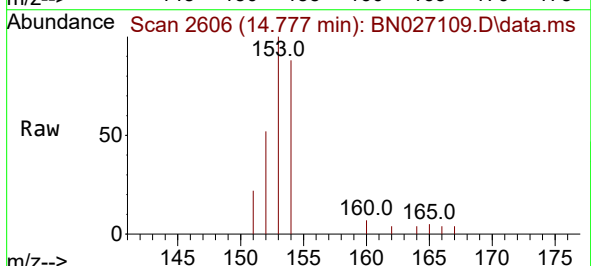
Tgt Ion:153 Resp: 3707

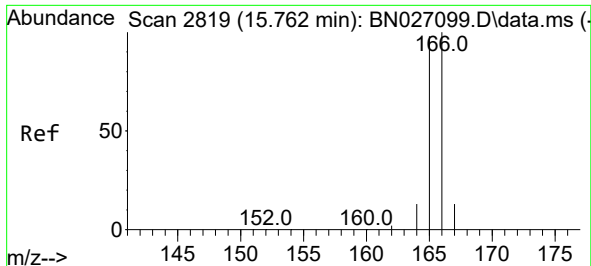
Ion Ratio Lower Upper

153 100

152 51.8 41.1 61.7

154 88.1 71.6 107.4

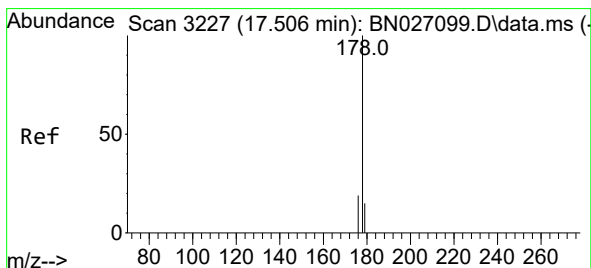
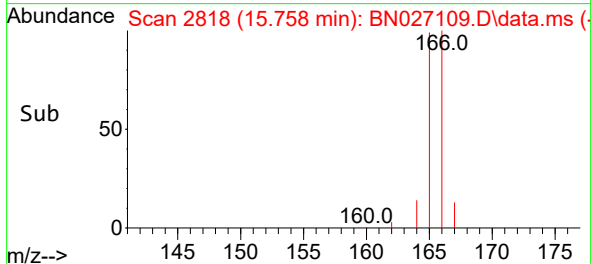
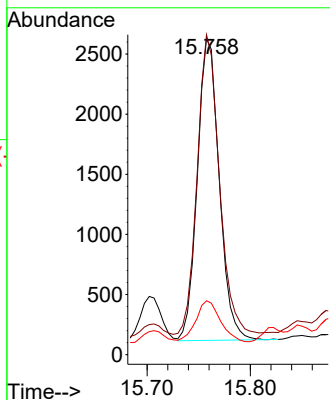
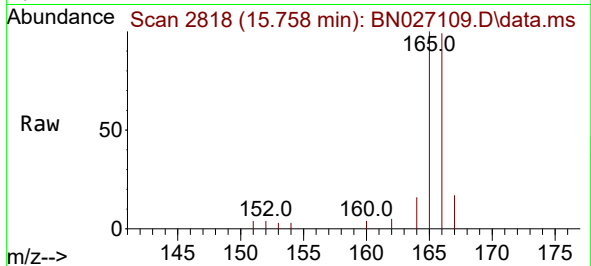




#12  
Fluorene  
Concen: 0.055 ng/ul  
RT: 15.758 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

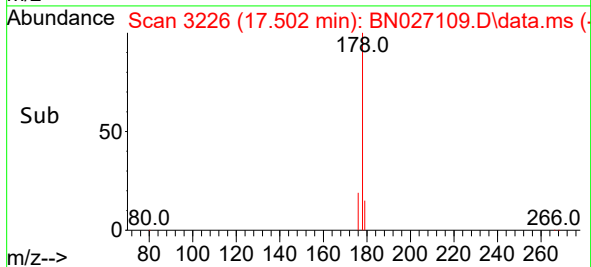
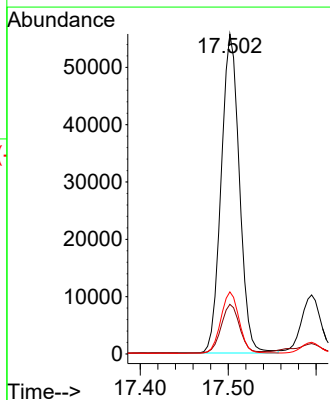
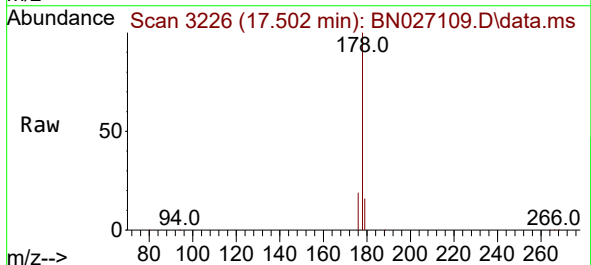
Instrument :  
BNA\_N  
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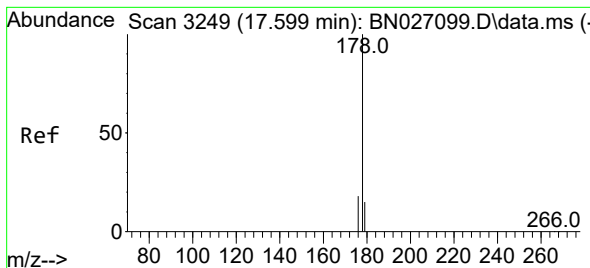
Tgt Ion:166 Resp: 3698  
Ion Ratio Lower Upper  
166 100  
165 101.3 79.1 118.7  
167 17.1 11.4 17.0#



#15  
Phenanthrene  
Concen: 0.667 ng/ul  
RT: 17.502 min Scan# 3226  
Delta R.T. -0.009 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

Tgt Ion:178 Resp: 80093  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.6 18.8  
176 19.4 15.4 23.2





#16

Anthracene

Concen: 0.147 ng/ul

RT: 17.595 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN027109.D

Acq: 24 Aug 2023 22:19

Instrument :

BNA\_N

ClientSampleId :

A48Q0DL

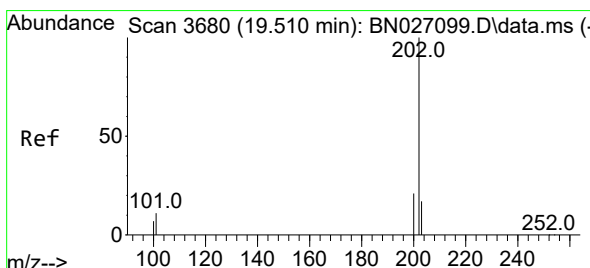
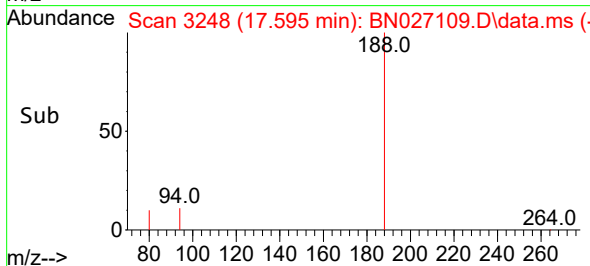
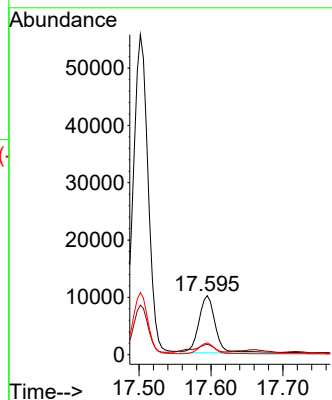
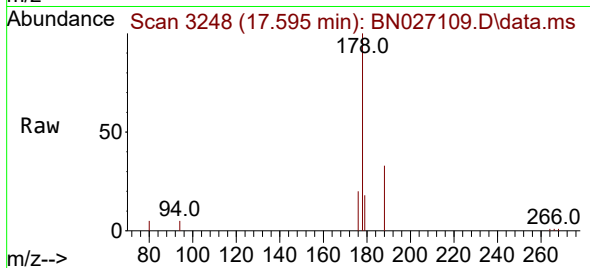
Tgt Ion:178 Resp: 15957

Ion Ratio Lower Upper

178 100

179 17.5 12.6 19.0

176 19.7 15.0 22.6



#19

Fluoranthene

Concen: 1.019 ng/ul

RT: 19.506 min Scan# 3679

Delta R.T. -0.009 min

Lab File: BN027109.D

Acq: 24 Aug 2023 22:19

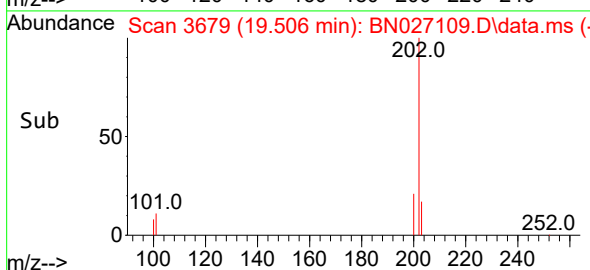
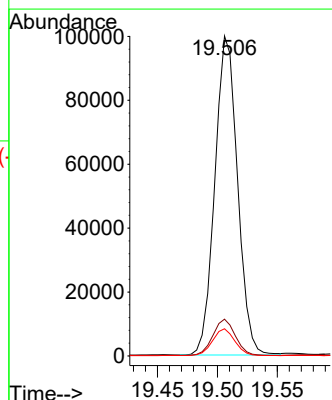
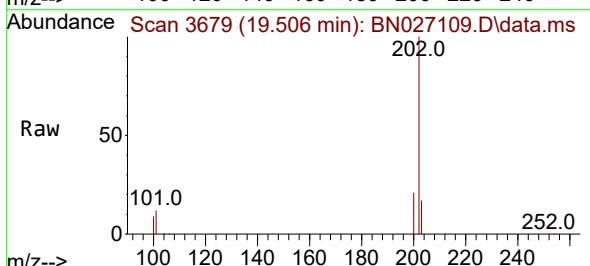
Tgt Ion:202 Resp: 131719

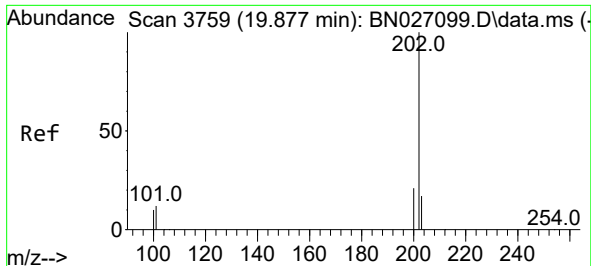
Ion Ratio Lower Upper

202 100

101 11.5 8.3 12.5

100 8.5 6.2 9.2

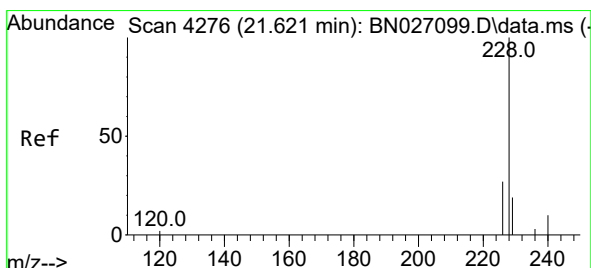
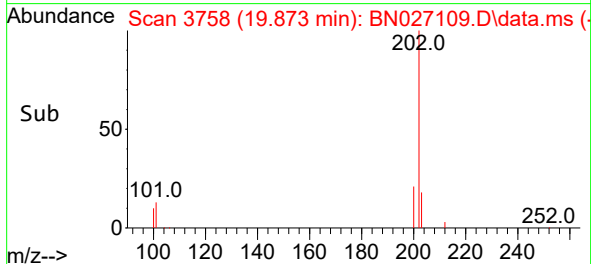
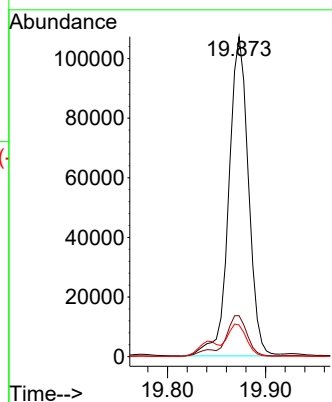
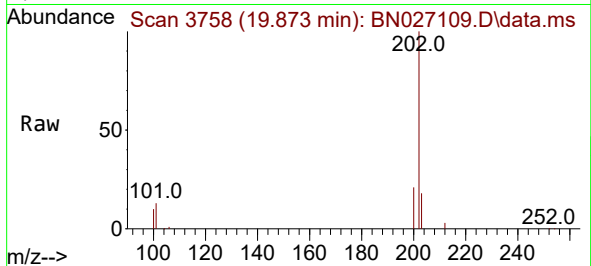




#20  
Pyrene  
Concen: 1.083 ng/ul  
RT: 19.873 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

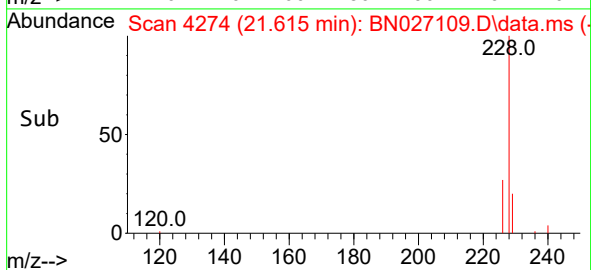
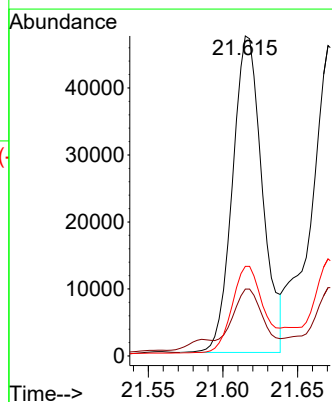
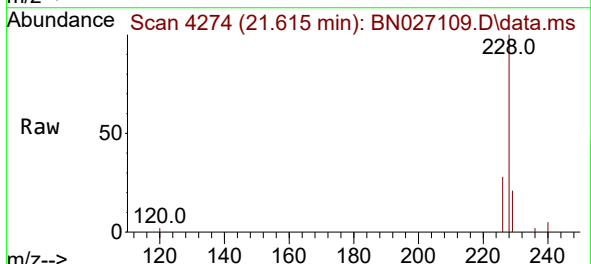
Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

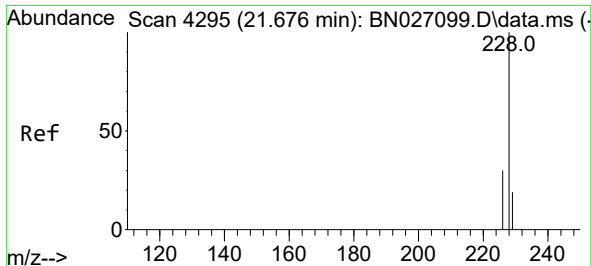
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Ion Ratio Lower Upper  
202 100  
101 12.8 10.7 16.1  
100 9.9 8.5 12.7



#21  
Benzo(a)anthracene  
Concen: 0.530 ng/ul  
RT: 21.615 min Scan# 4274  
Delta R.T. -0.006 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

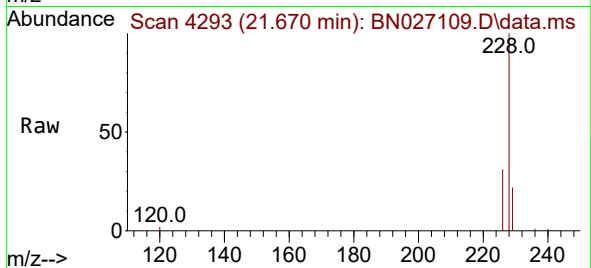
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Ion Ratio Lower Upper  
228 100  
229 20.9 16.0 24.0  
226 28.0 22.2 33.2



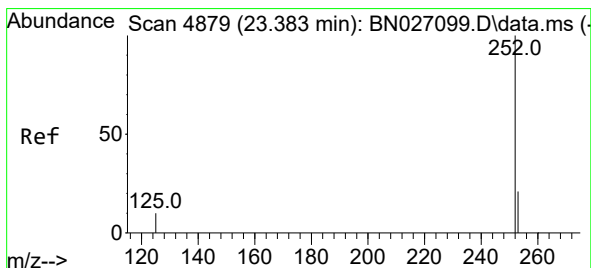
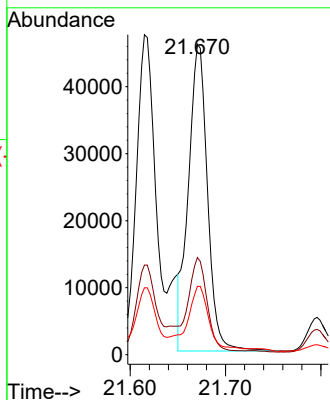
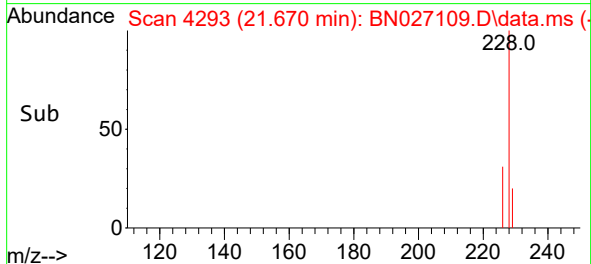


#22  
Chrysene  
Concen: 0.523 ng/ul  
RT: 21.670 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

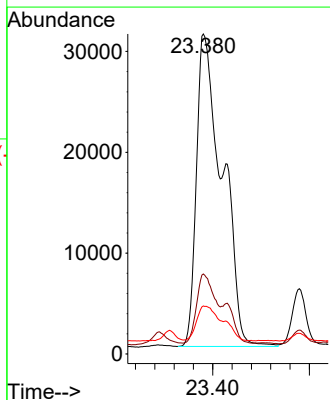
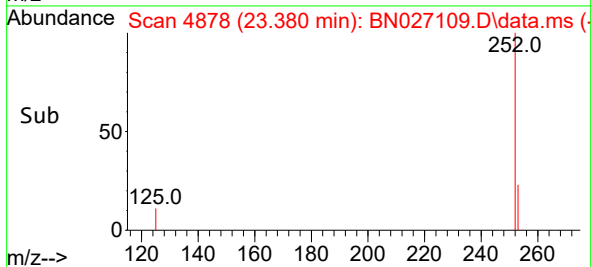
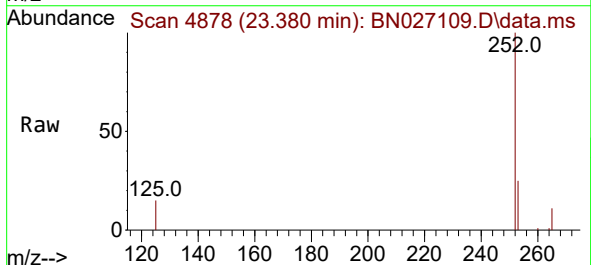


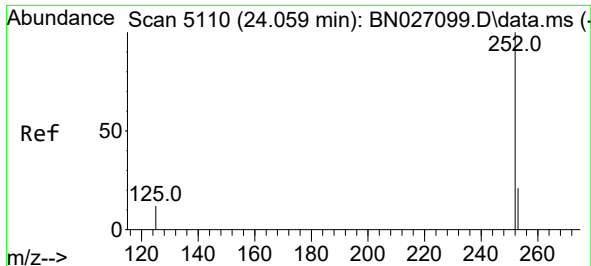
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Ion Ratio Lower Upper  
228 100  
226 31.3 24.6 36.8  
229 22.0 15.8 23.6



#24  
Benzo(b)fluoranthene  
Concen: 0.926 ng/ul  
RT: 23.380 min Scan# 4878  
Delta R.T. -0.006 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

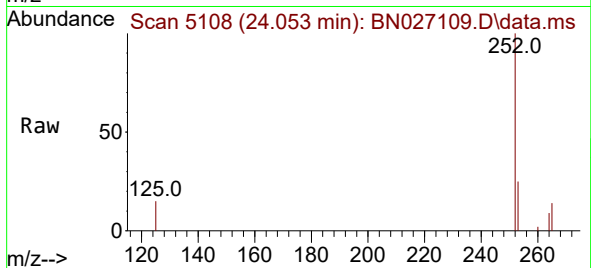
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Ion Ratio Lower Upper  
252 100  
253 25.0 0.0 46.8  
125 15.0 0.0 25.2



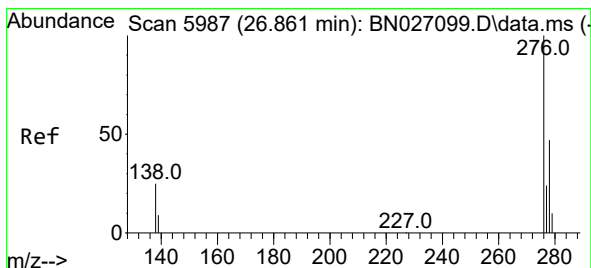
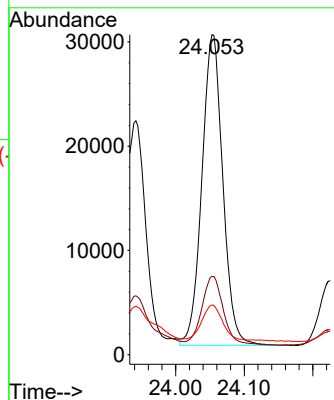
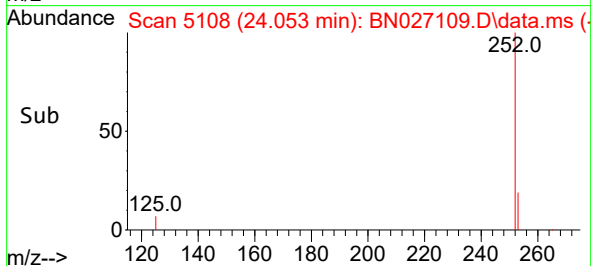


#26  
Benzo(a)pyrene  
Concen: 0.562 ng/ul  
RT: 24.053 min Scan# 5110  
Delta R.T. -0.009 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

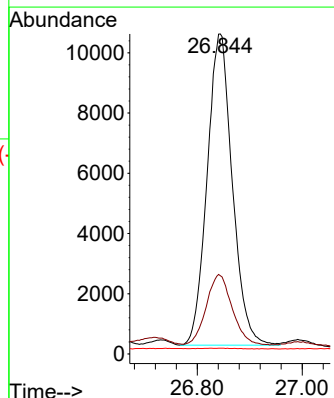
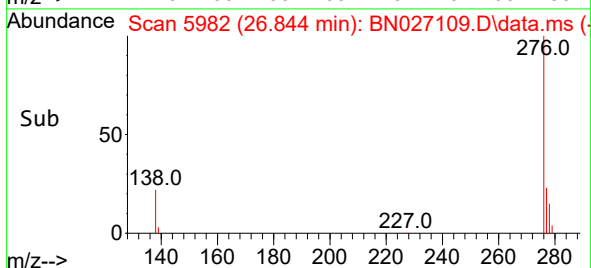
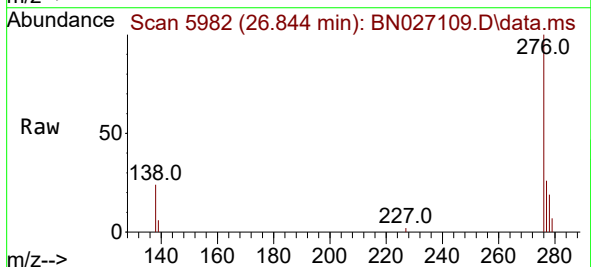


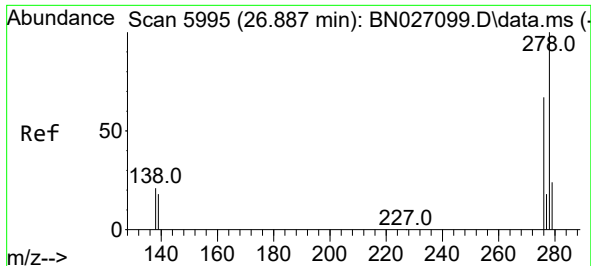
Tgt Ion:252 Resp: 63174  
Ion Ratio Lower Upper  
252 100  
253 24.5 19.0 28.6  
125 15.5 11.4 17.0



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.234 ng/ul  
RT: 26.844 min Scan# 5982  
Delta R.T. -0.010 min  
Lab File: BN027109.D  
Acq: 24 Aug 2023 22:19

Tgt Ion:276 Resp: 34434  
Ion Ratio Lower Upper  
276 100  
138 23.1 21.6 32.4  
227 0.1 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.073 ng/ul

RT: 26.857 min Scan# 5986

Delta R.T. -0.027 min

Lab File: BN027109.D

Acq: 24 Aug 2023 22:19

Instrument :

BNA\_N

ClientSampleId :

A48Q0DL

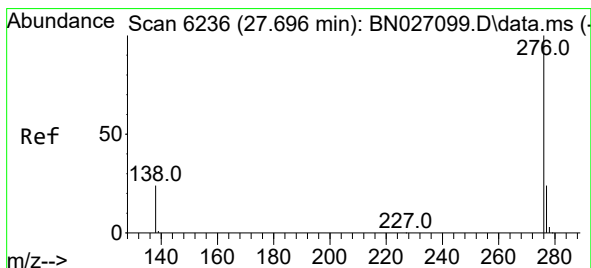
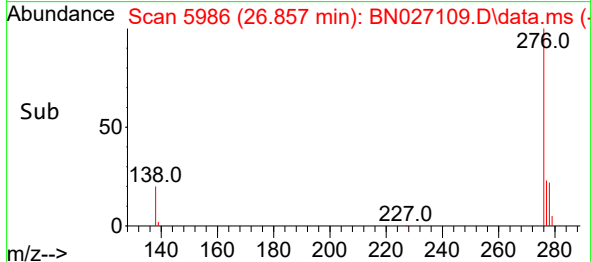
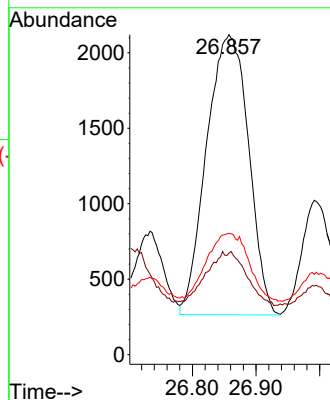
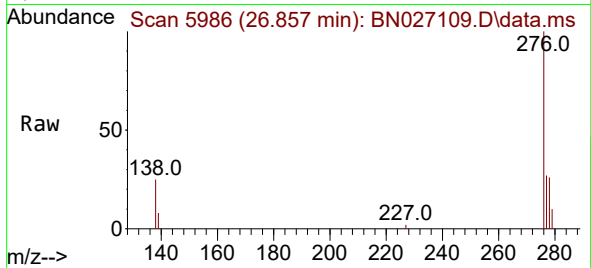
Tgt Ion:278 Resp: 8517

Ion Ratio Lower Upper

278 100

139 31.7 15.7 23.5#

279 37.9 20.2 30.4#



#29

Benzo(g,h,i)perylene

Concen: 0.270 ng/ul

RT: 27.679 min Scan# 6231

Delta R.T. -0.017 min

Lab File: BN027109.D

Acq: 24 Aug 2023 22:19

Tgt Ion:276 Resp: 33005

Ion Ratio Lower Upper

276 100

138 25.6 19.3 28.9

277 25.2 19.8 29.8

