

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061623\  
 Data File : BM040285.D  
 Acq On : 16 Jun 2023 17:47  
 Operator : MA/JU  
 Sample : 03080-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFH8

Quant Time: Jun 16 23:39:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 15 00:31:16 2023  
 Response via : Initial Calibration

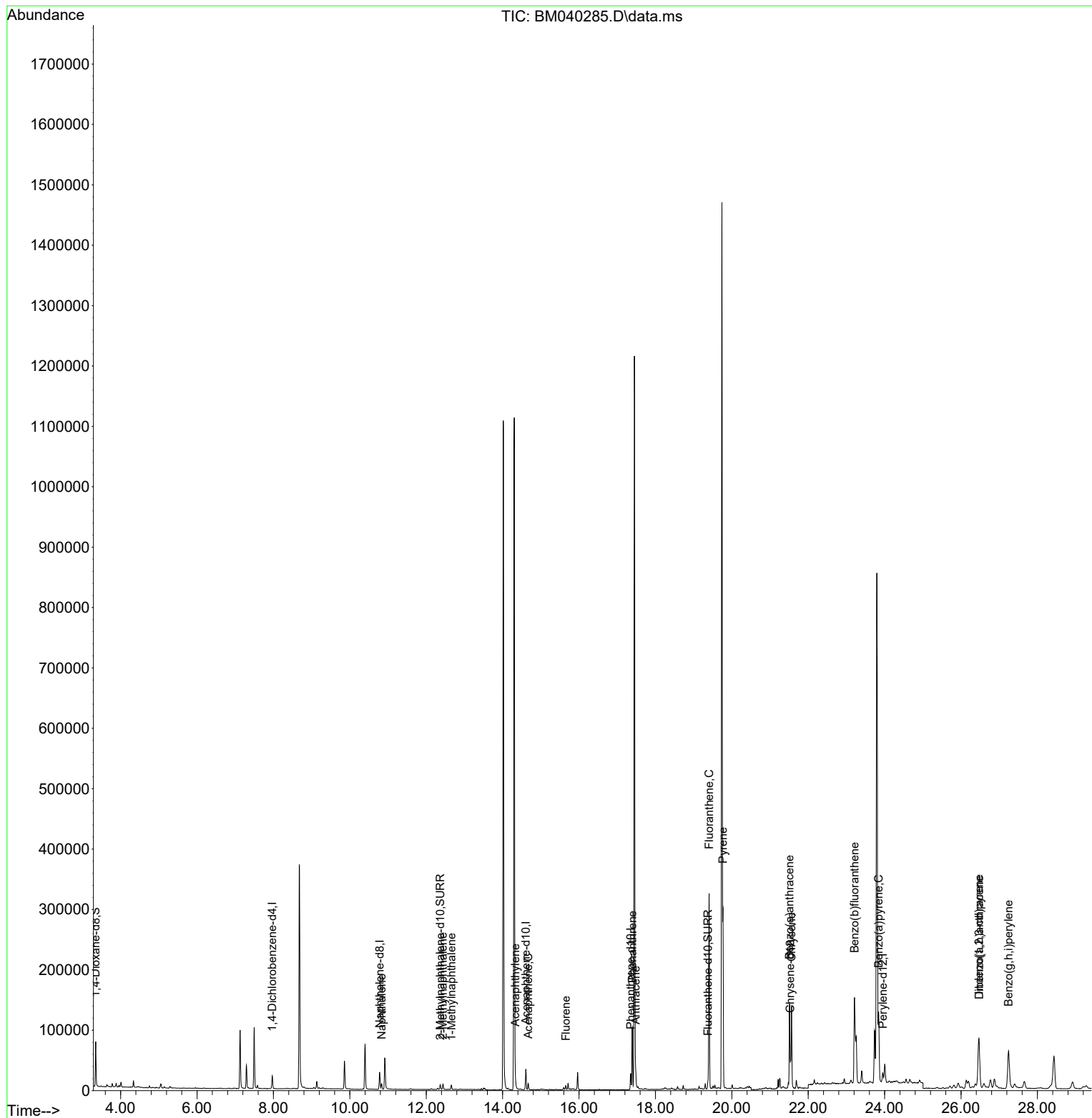
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.970  | 152  | 10763    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.782 | 136  | 38195    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.608 | 164  | 18449    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.352 | 188  | 30728    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.527 | 240  | 20397    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.953 | 264  | 22114    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.346  | 96   | 43377    | 3.264 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.366 | 152  | 10362    | 0.214 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.373 | 212  | 13791    | 0.271 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.832 | 128  | 12539    | 0.139 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.437 | 142  | 6549     | 0.116 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.657 | 142  | 5008     | 0.085 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.330 | 152  | 12007    | 0.186 | ng/ul# | 96       |
| 11) Acenaphthene            | 14.668 | 153  | 5983     | 0.108 | ng/ul  | 98       |
| 12) Fluorene                | 15.654 | 166  | 4004     | 0.065 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.394 | 178  | 105976   | 1.312 | ng/ul  | 99       |
| 16) Anthracene              | 17.483 | 178  | 18431    | 0.269 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.406 | 202  | 259645   | 3.737 | ng/ul  | 99       |
| 20) Pyrene                  | 19.768 | 202  | 230293   | 3.190 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.509 | 228  | 115550   | 1.919 | ng/ul  | 98       |
| 22) Chrysene                | 21.562 | 228  | 139318   | 2.191 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.210 | 252  | 238001   | 2.920 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.845 | 252  | 156570   | 2.341 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.468 | 276  | 147677   | 1.744 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.478 | 278  | 35595    | 0.524 | ng/ul# | 90       |
| 29) Benzo(g,h,i)perylene    | 27.242 | 276  | 140413   | 1.985 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

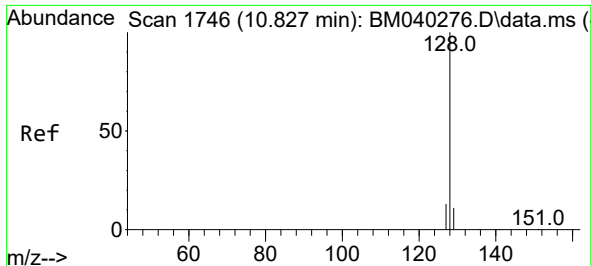
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061623\  
Data File : BM040285.D  
Acq On : 16 Jun 2023 17:47  
Operator : MA/JU  
Sample : 03080-09  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCFH8

Quant Time: Jun 16 23:39:47 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 15 00:31:16 2023  
Response via : Initial Calibration

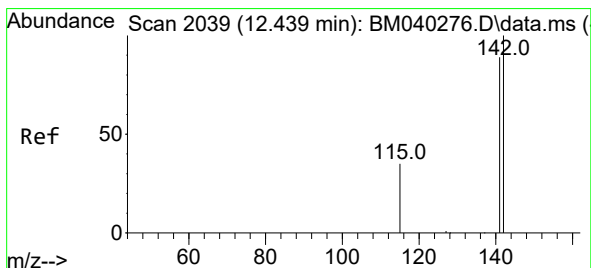
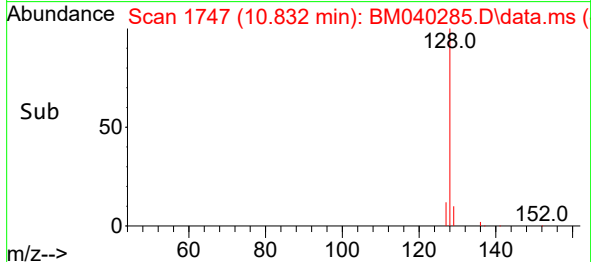
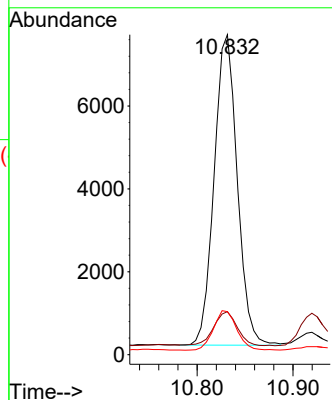
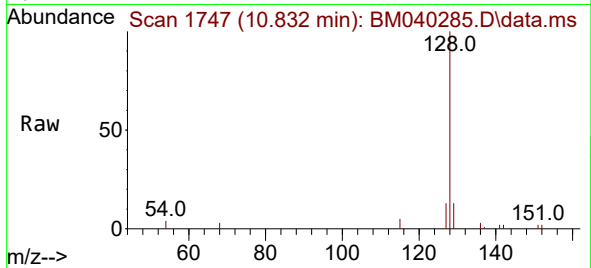




#5  
Naphthalene  
Concen: 0.139 ng/ul  
RT: 10.832 min Scan# 1747  
Delta R.T. -0.001 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

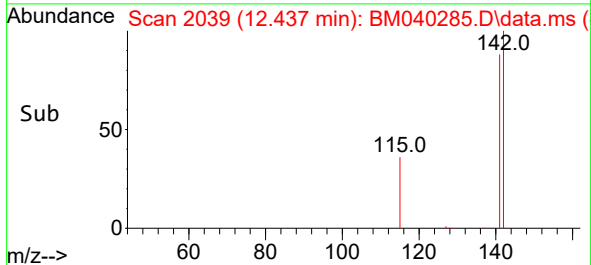
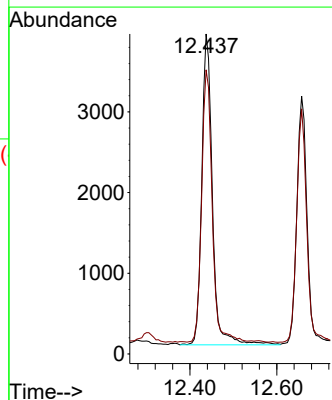
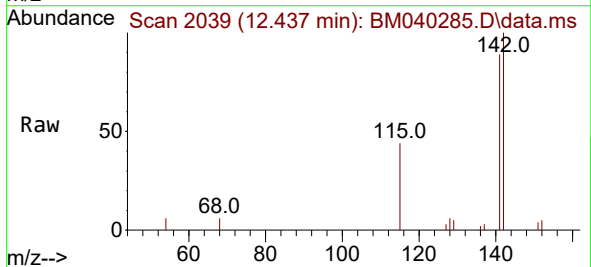
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH8

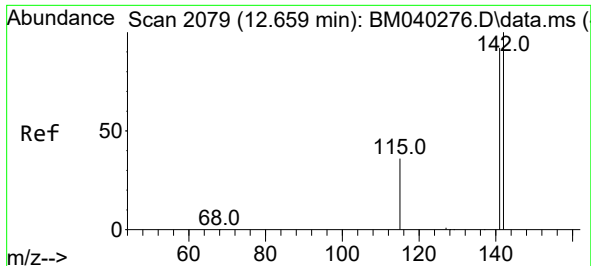
Tgt Ion:128 Resp: 12539  
Ion Ratio Lower Upper  
128 100  
129 13.4 9.1 13.7  
127 13.4 10.4 15.6



#7  
2-Methylnaphthalene  
Concen: 0.116 ng/ul  
RT: 12.437 min Scan# 2039  
Delta R.T. -0.007 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

Tgt Ion:142 Resp: 6549  
Ion Ratio Lower Upper  
142 100  
141 87.2 70.6 106.0

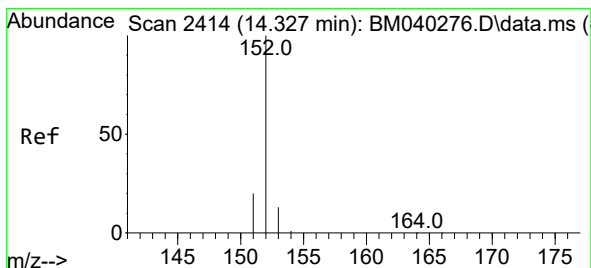
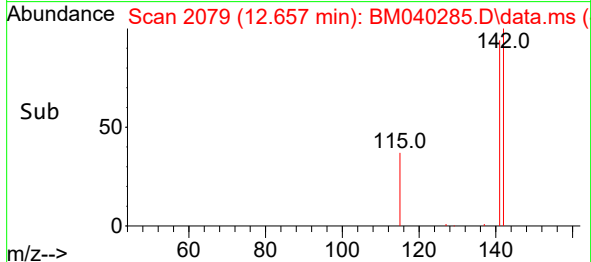
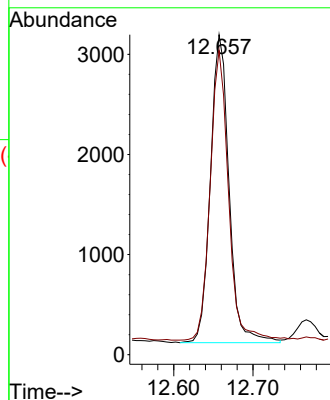
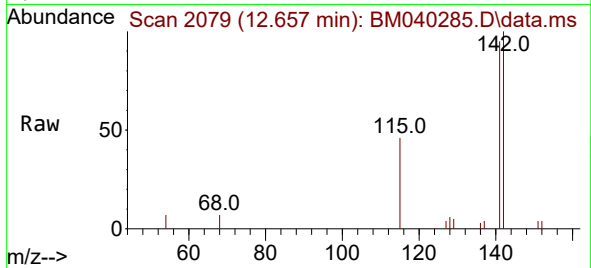




#8  
1-Methylnaphthalene  
Concen: 0.085 ng/ul  
RT: 12.657 min Scan# 2079  
Delta R.T. -0.007 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

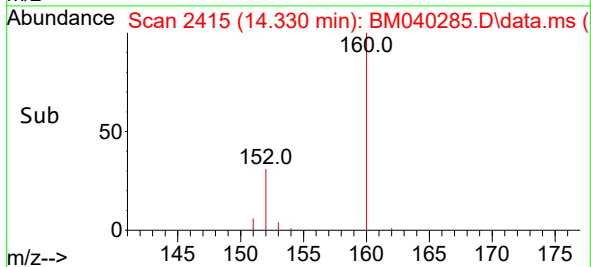
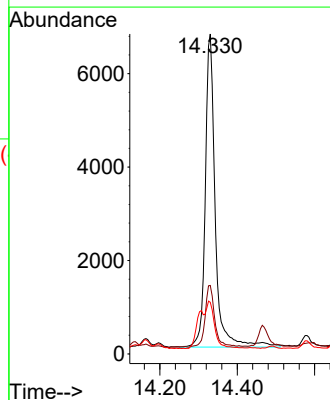
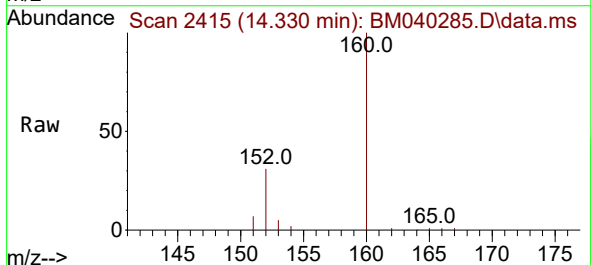
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH8

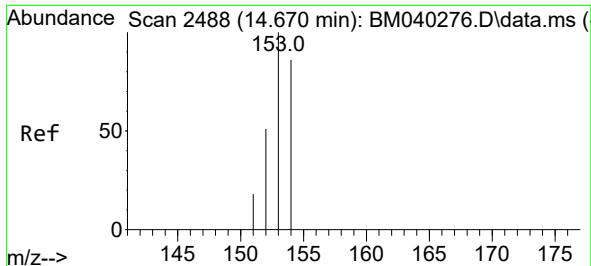
Tgt Ion:142 Resp: 5008  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.0 109.4



#10  
Acenaphthylene  
Concen: 0.186 ng/ul  
RT: 14.330 min Scan# 2415  
Delta R.T. -0.001 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

Tgt Ion:152 Resp: 12007  
Ion Ratio Lower Upper  
152 100  
151 21.4 16.3 24.5  
153 16.2 10.7 16.1#

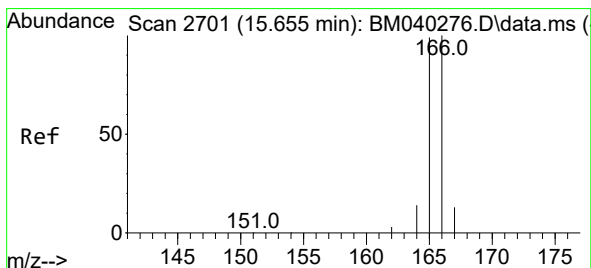
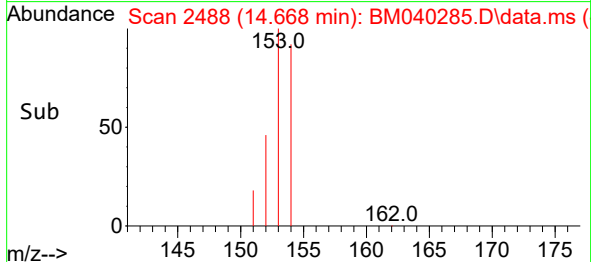
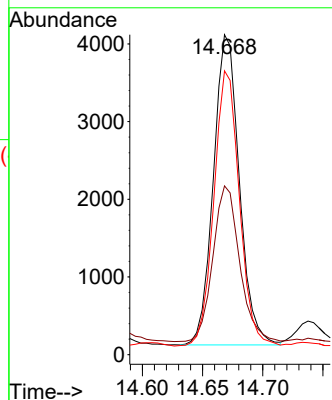
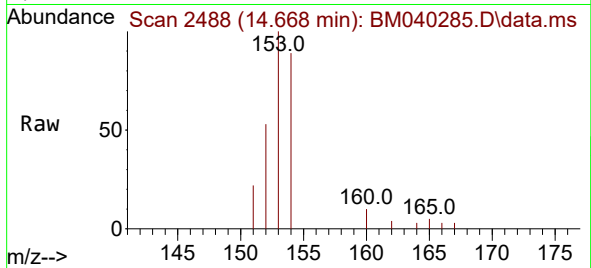




#11  
Acenaphthene  
Concen: 0.108 ng/ul  
RT: 14.668 min Scan# 2488  
Delta R.T. -0.006 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

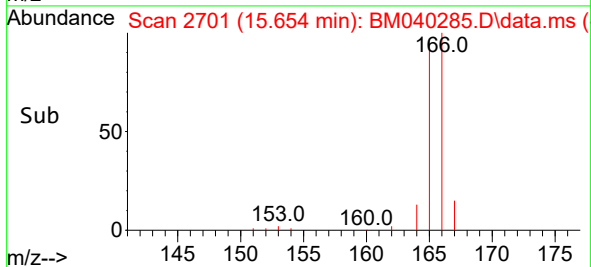
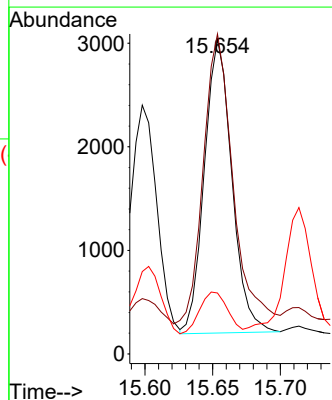
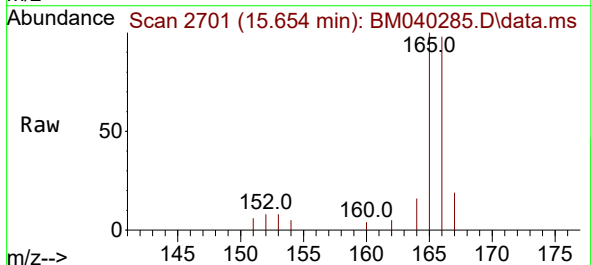
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH8

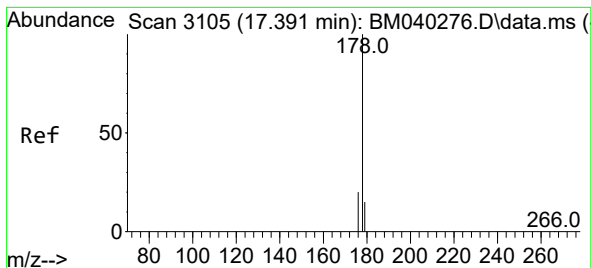
Tgt Ion:153 Resp: 5983  
Ion Ratio Lower Upper  
153 100  
152 52.8 40.3 60.5  
154 88.7 70.5 105.7



#12  
Fluorene  
Concen: 0.065 ng/ul  
RT: 15.654 min Scan# 2701  
Delta R.T. -0.006 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

Tgt Ion:166 Resp: 4004  
Ion Ratio Lower Upper  
166 100  
165 101.7 78.2 117.4  
167 19.4 11.0 16.4#





#15

Phenanthrene

Concen: 1.312 ng/ul

RT: 17.394 min Scan# 3105

Delta R.T. -0.001 min

Lab File: BM040285.D

Acq: 16 Jun 2023 17:47

Instrument :

BNA\_M

ClientSampleId :

DCFH8

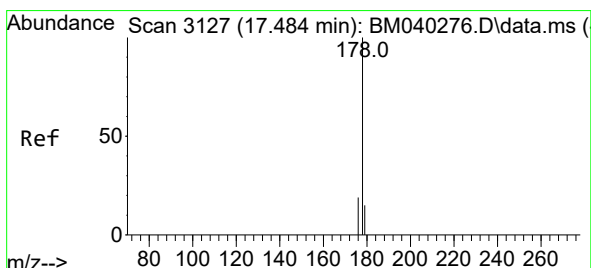
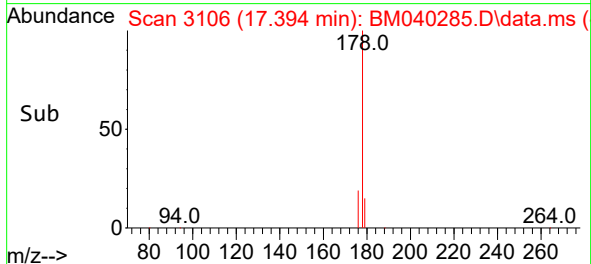
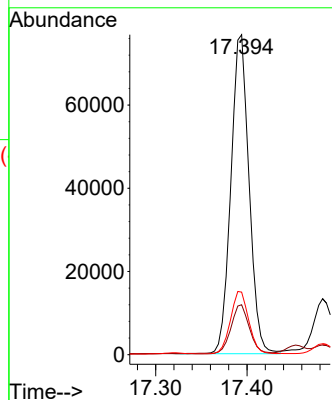
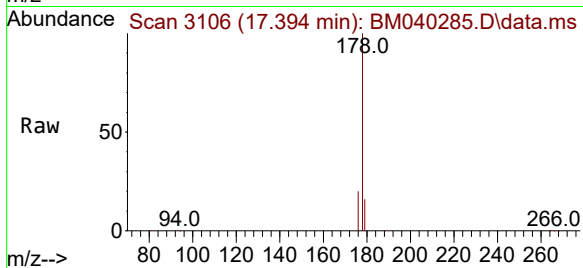
Tgt Ion:178 Resp: 105976

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

176 19.6 16.1 24.1



#16

Anthracene

Concen: 0.269 ng/ul

RT: 17.483 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM040285.D

Acq: 16 Jun 2023 17:47

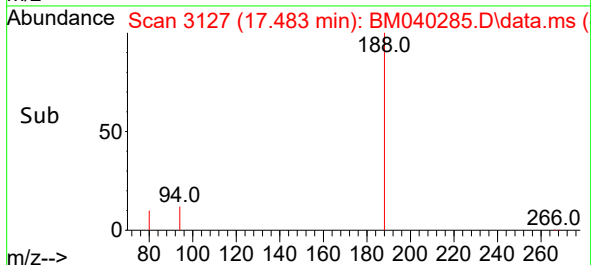
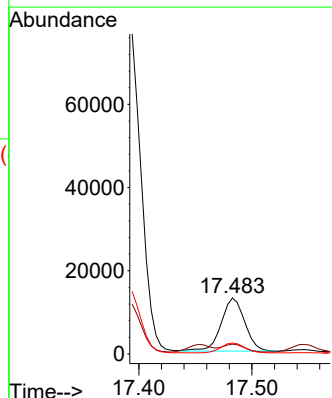
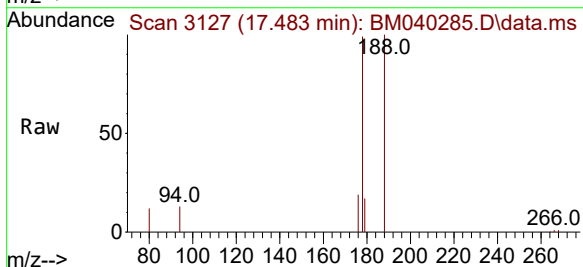
Tgt Ion:178 Resp: 18431

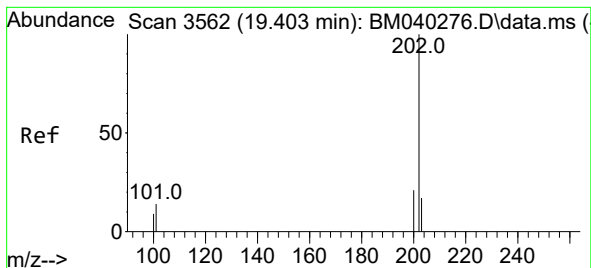
Ion Ratio Lower Upper

178 100

179 17.4 13.0 19.4

176 19.5 15.5 23.3





#19

Fluoranthene

Concen: 3.737 ng/ul

RT: 19.406 min Scan# 3562

Delta R.T. -0.001 min

Lab File: BM040285.D

Acq: 16 Jun 2023 17:47

Instrument :

BNA\_M

ClientSampleId :

DCFH8

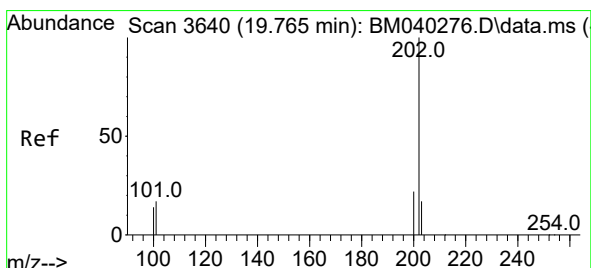
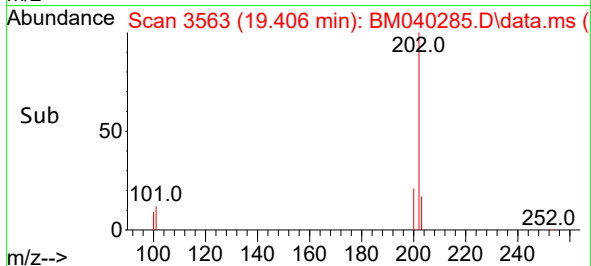
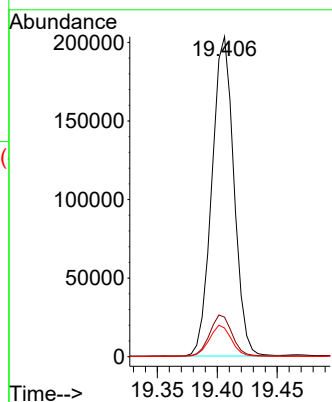
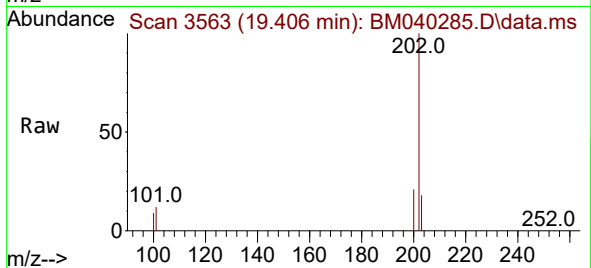
Tgt Ion:202 Resp: 259645

Ion Ratio Lower Upper

202 100

101 12.4 10.2 15.4

100 9.0 7.6 11.4



#20

Pyrene

Concen: 3.190 ng/ul

RT: 19.768 min Scan# 3641

Delta R.T. -0.001 min

Lab File: BM040285.D

Acq: 16 Jun 2023 17:47

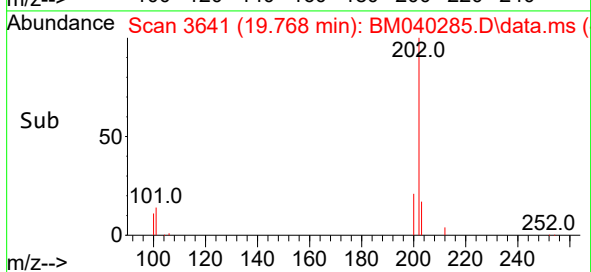
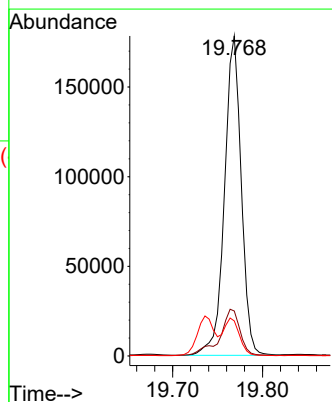
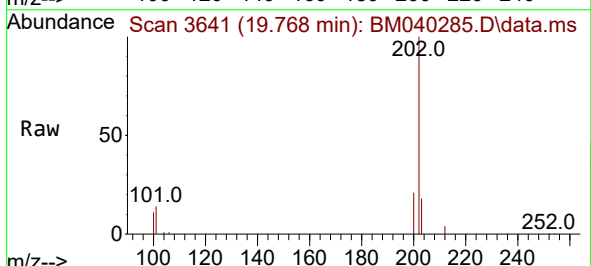
Tgt Ion:202 Resp: 230293

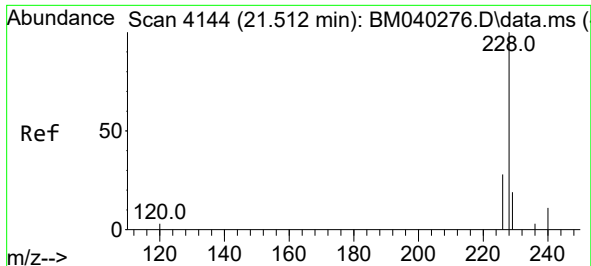
Ion Ratio Lower Upper

202 100

101 14.1 11.8 17.8

100 11.0 9.3 13.9

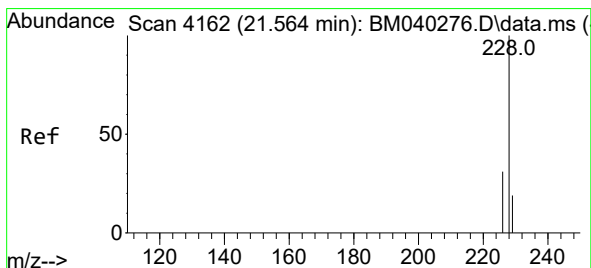
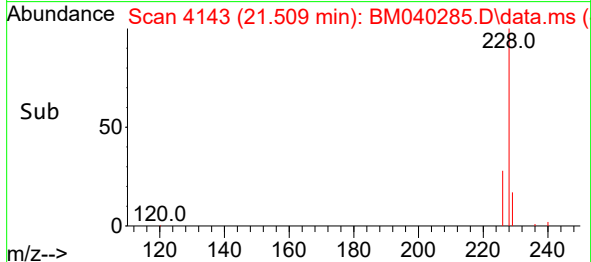
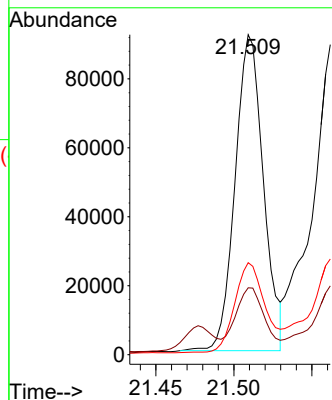
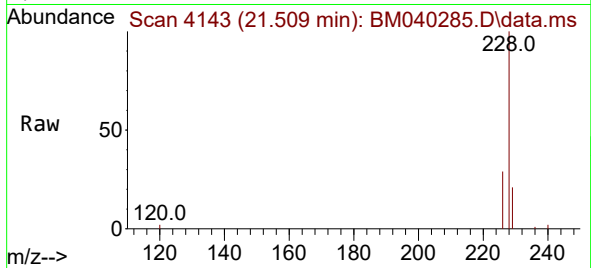




#21  
Benzo(a)anthracene  
Concen: 1.919 ng/ul  
RT: 21.509 min Scan# 4143  
Delta R.T. -0.006 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

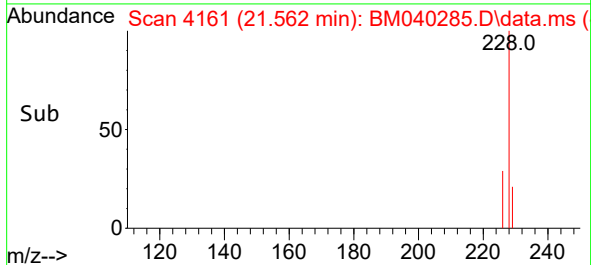
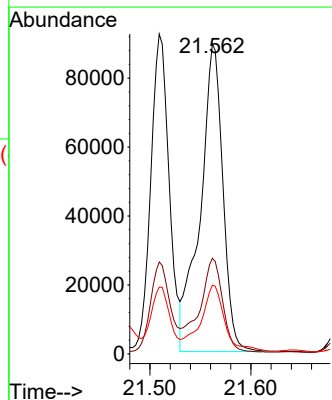
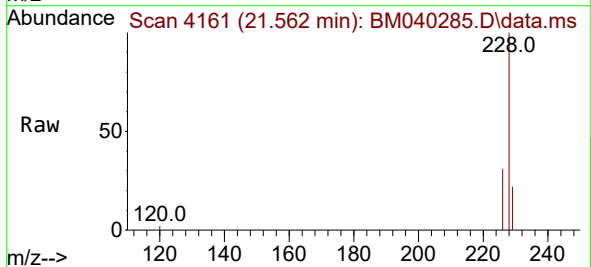
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH8

Tgt Ion:228 Resp: 115550  
Ion Ratio Lower Upper  
228 100  
229 20.9 15.8 23.8  
226 28.8 22.0 33.0

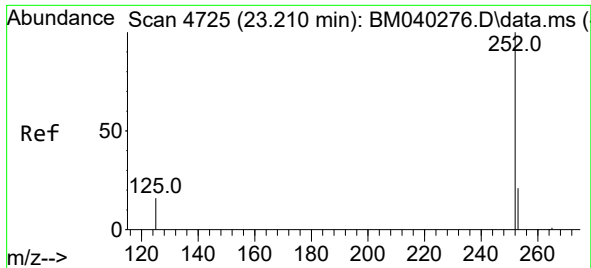


#22  
Chrysene  
Concen: 2.191 ng/ul  
RT: 21.562 min Scan# 4161  
Delta R.T. -0.008 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

Tgt Ion:228 Resp: 139318  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.3 36.5  
229 22.2 15.7 23.5



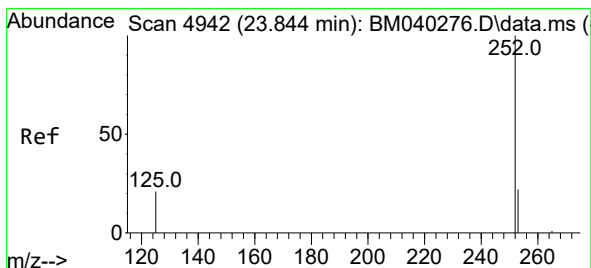
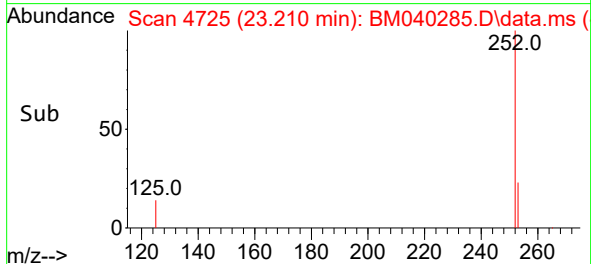
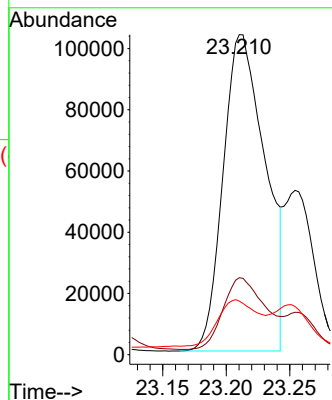
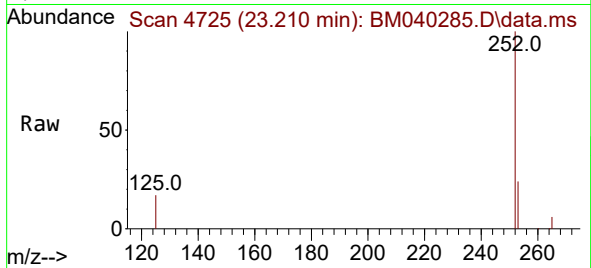




#24  
Benzo(b)fluoranthene  
Concen: 2.920 ng/ul  
RT: 23.210 min Scan# 4725  
Delta R.T. -0.006 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

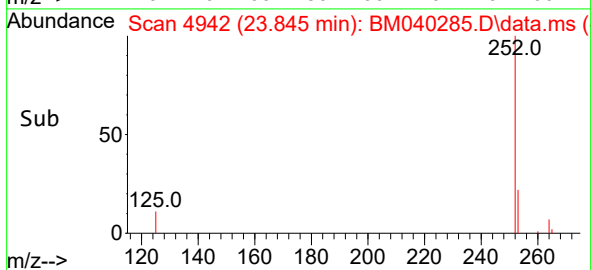
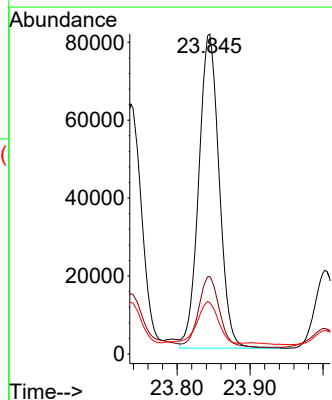
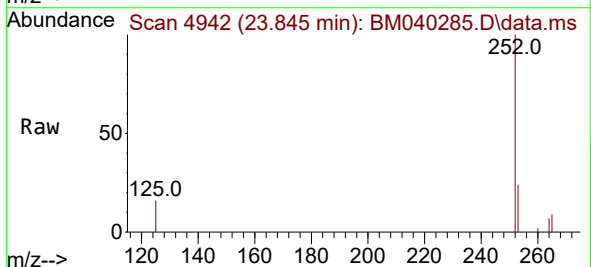
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH8

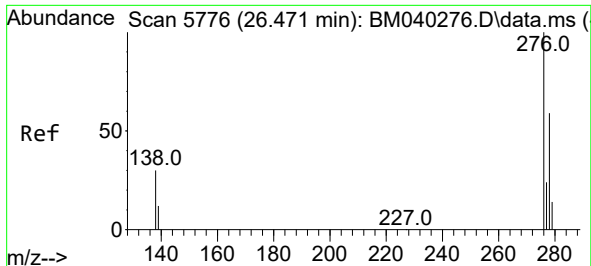
Tgt Ion:252 Resp: 238001  
Ion Ratio Lower Upper  
252 100  
253 24.0 0.0 52.4  
125 16.8 0.0 38.4



#26  
Benzo(a)pyrene  
Concen: 2.341 ng/ul  
RT: 23.845 min Scan# 4942  
Delta R.T. -0.006 min  
Lab File: BM040285.D  
Acq: 16 Jun 2023 17:47

Tgt Ion:252 Resp: 156570  
Ion Ratio Lower Upper  
252 100  
253 24.2 23.4 35.0  
125 16.1 19.7 29.5#

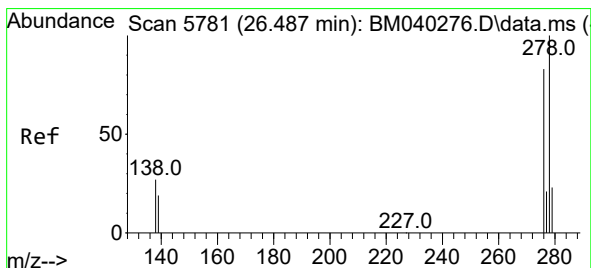
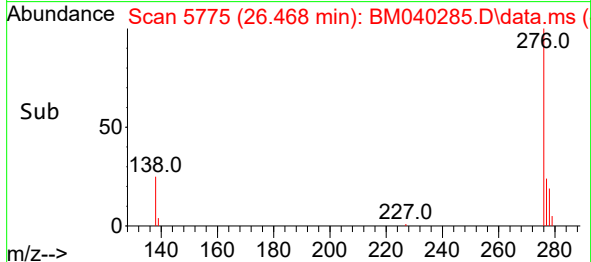
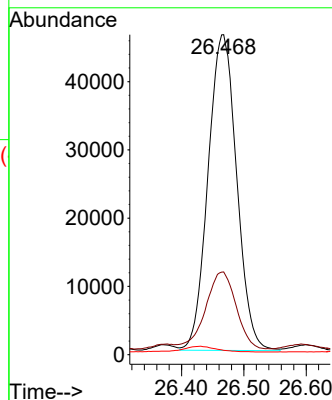
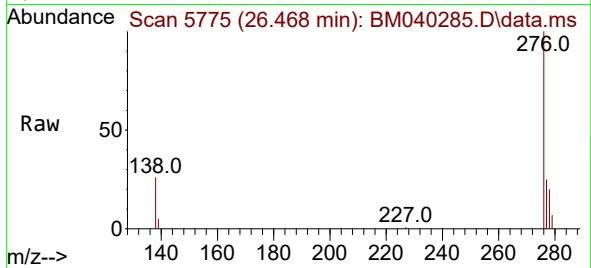




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.744 ng/ul  
 RT: 26.468 min Scan# 5775  
 Delta R.T. -0.010 min  
 Lab File: BM040285.D  
 Acq: 16 Jun 2023 17:47

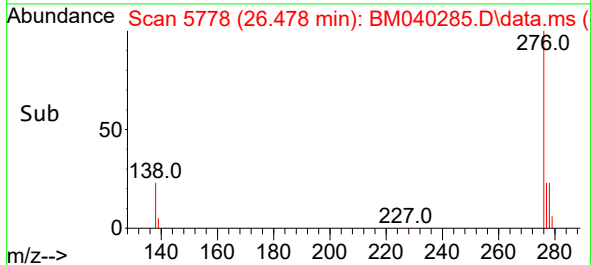
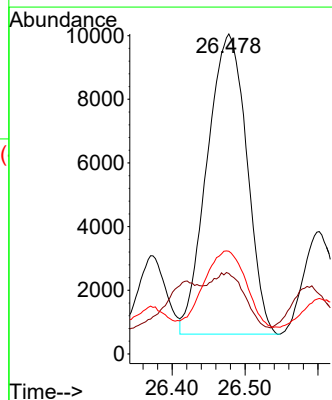
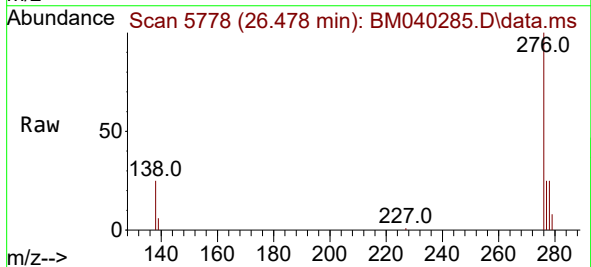
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFH8

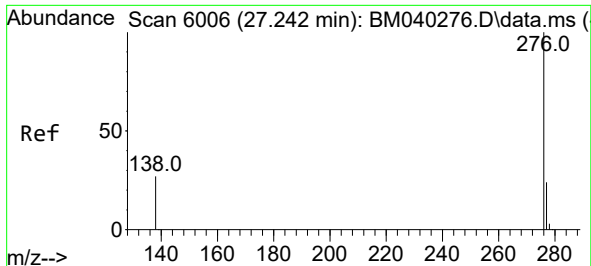
Tgt Ion:276 Resp: 147677  
 Ion Ratio Lower Upper  
 276 100  
 138 25.8 23.3 34.9  
 227 0.0 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.524 ng/ul  
 RT: 26.478 min Scan# 5778  
 Delta R.T. -0.020 min  
 Lab File: BM040285.D  
 Acq: 16 Jun 2023 17:47

Tgt Ion:278 Resp: 35595  
 Ion Ratio Lower Upper  
 278 100  
 139 25.1 16.4 24.6#  
 279 32.1 21.8 32.8





#29

Benzo(g,h,i)perylene

Concen: 1.985 ng/ul

RT: 27.242 min Scan# 60

Delta R.T. -0.013 min

Lab File: BM040285.D

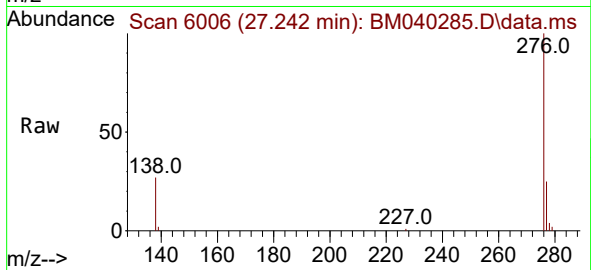
Acq: 16 Jun 2023 17:47

Instrument :

BNA\_M

ClientSampleId :

DCFH8



Tgt Ion:276 Resp: 140413

Ion Ratio Lower Upper

276 100

138 27.1 21.0 31.4

277 24.6 19.6 29.4

