

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062923\  
 Data File : BM040442.D  
 Acq On : 29 Jun 2023 17:57  
 Operator : MA/JU  
 Sample : 03143-12DL 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFU9DL

Quant Time: Jun 30 03:06:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 23 00:44:24 2023  
 Response via : Initial Calibration

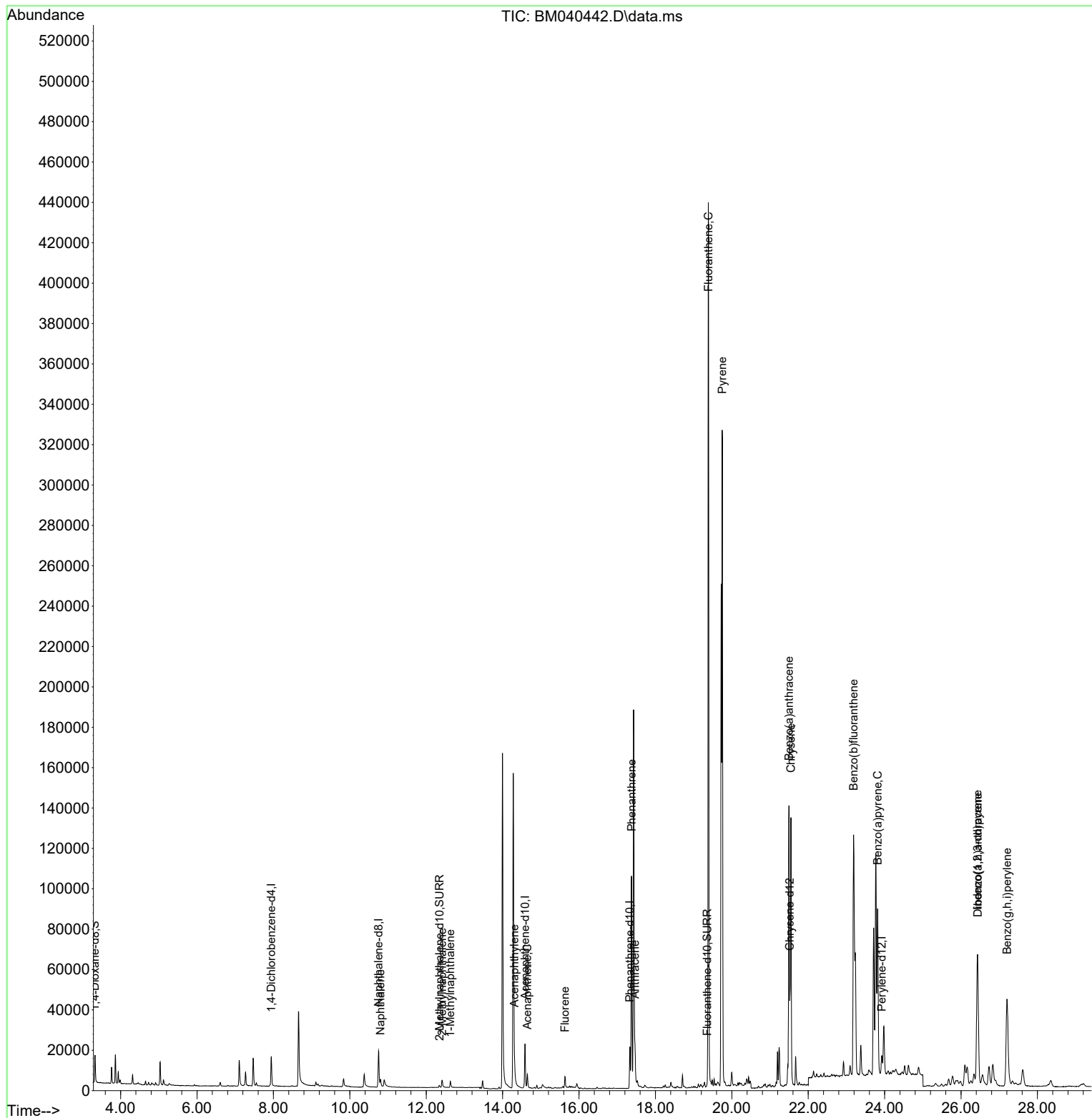
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.944  | 152  | 7888     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.750 | 136  | 28993    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.586 | 164  | 13377    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.332 | 188  | 25490    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.512 | 240  | 13599    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.926 | 264  | 13721    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.329  | 96   | 8028     | 0.648 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.345 | 152  | 1879     | 0.046 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.356 | 212  | 2559     | 0.059 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.800 | 128  | 5050     | 0.063 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 12.417 | 142  | 3401     | 0.072 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.631 | 142  | 2437     | 0.052 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.309 | 152  | 7884     | 0.132 | ng/ul# | 95       |
| 11) Acenaphthene            | 14.646 | 153  | 4240     | 0.084 | ng/ul  | 98       |
| 12) Fluorene                | 15.632 | 166  | 3819     | 0.071 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.374 | 178  | 123752   | 1.563 | ng/ul  | 98       |
| 16) Anthracene              | 17.463 | 178  | 14663    | 0.220 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.384 | 202  | 380185   | 6.581 | ng/ul  | 97       |
| 20) Pyrene                  | 19.751 | 202  | 279033   | 4.506 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.494 | 228  | 119015   | 2.587 | ng/ul  | 99       |
| 22) Chrysene                | 21.547 | 228  | 140998   | 2.687 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.189 | 252  | 213434   | 4.019 | ng/ul  | 89       |
| 26) Benzo(a)pyrene          | 23.818 | 252  | 125574   | 2.625 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.430 | 276  | 115516   | 1.734 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.437 | 278  | 27034    | 0.518 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 27.202 | 276  | 105873   | 1.813 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

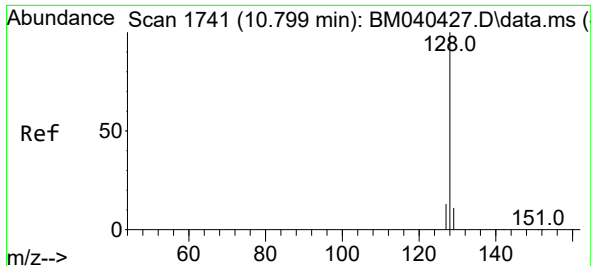
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062923\  
Data File : BM040442.D  
Acq On : 29 Jun 2023 17:57  
Operator : MA/JU  
Sample : 03143-12DL 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCFU9DL

Quant Time: Jun 30 03:06:35 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 23 00:44:24 2023  
Response via : Initial Calibration

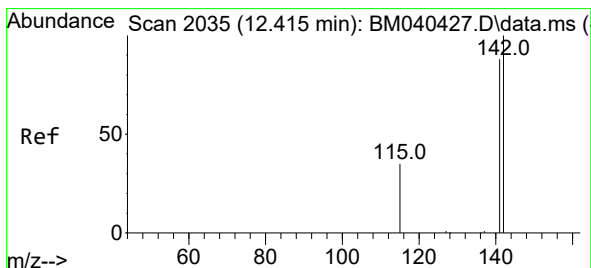
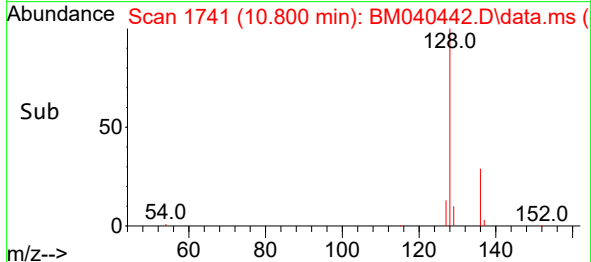
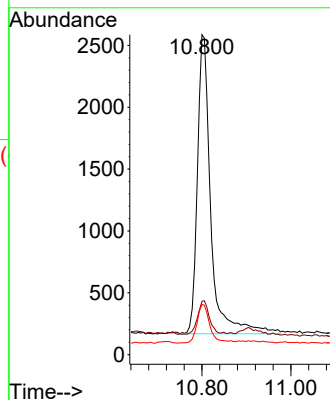
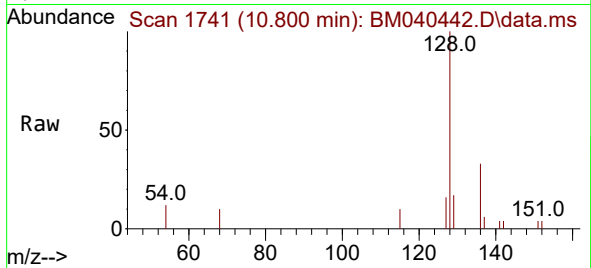




#5  
Naphthalene  
Concen: 0.063 ng/ul  
RT: 10.800 min Scan# 1741  
Delta R.T. -0.011 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

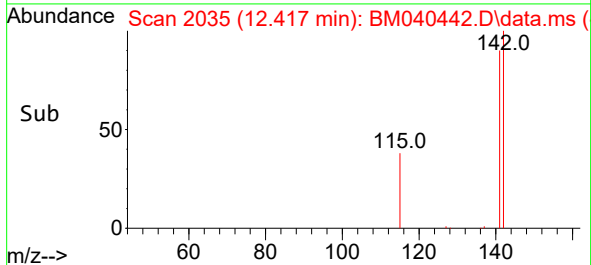
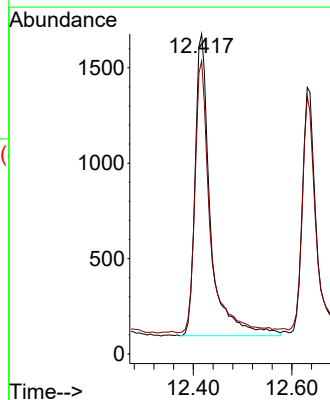
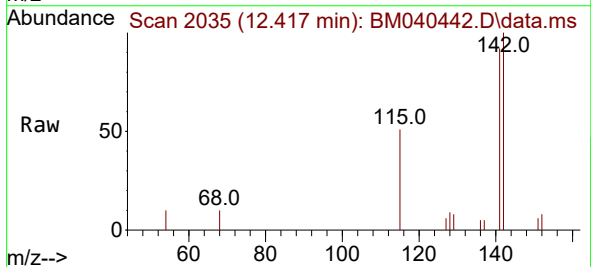
Instrument :  
BNA\_M  
ClientSampleId :  
DCFU9DL

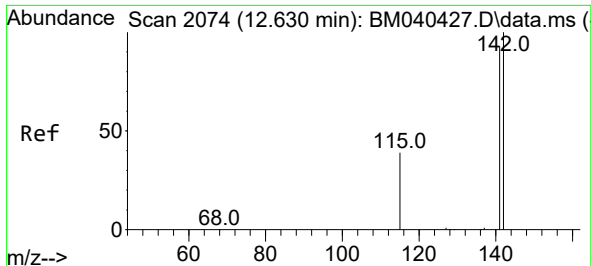
Tgt Ion:128 Resp: 5050  
Ion Ratio Lower Upper  
128 100  
129 16.7 9.2 13.8#  
127 15.7 10.6 15.8



#7  
2-Methylnaphthalene  
Concen: 0.072 ng/ul  
RT: 12.417 min Scan# 2035  
Delta R.T. -0.006 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:142 Resp: 3401  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.9 107.9

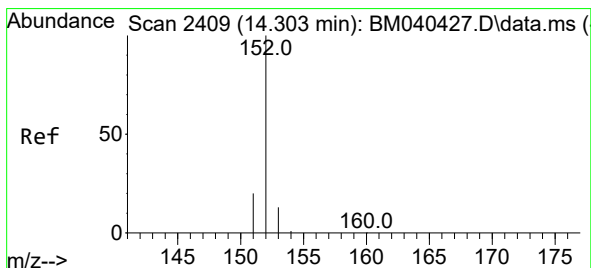
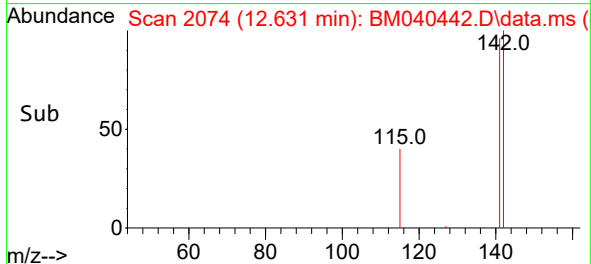
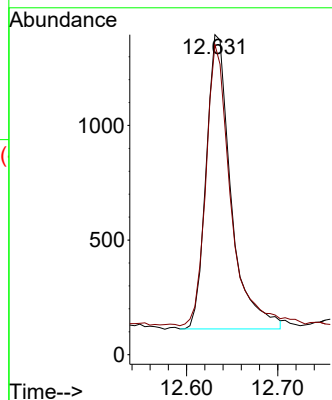
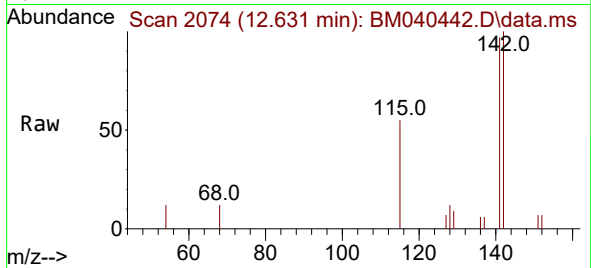




#8  
1-Methylnaphthalene  
Concen: 0.052 ng/ul  
RT: 12.631 min Scan# 2074  
Delta R.T. -0.011 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

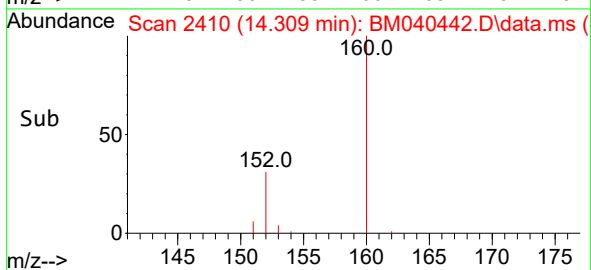
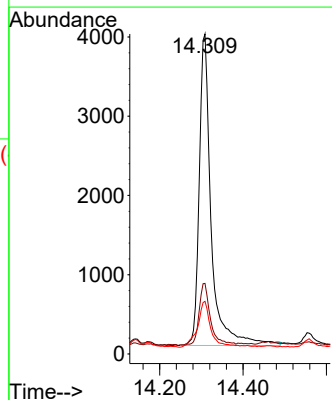
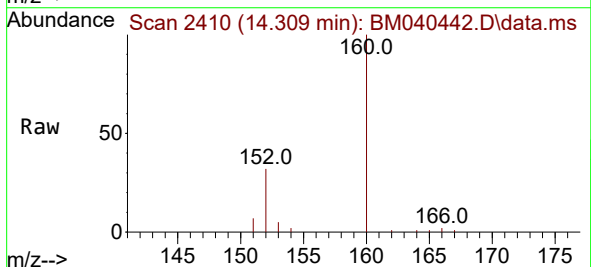
Instrument :  
BNA\_M  
ClientSampleId :  
DCFU9DL

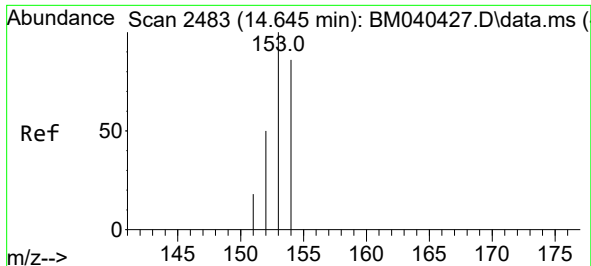
Tgt Ion:142 Resp: 2437  
Ion Ratio Lower Upper  
142 100  
141 93.7 73.7 110.5



#10  
Acenaphthylene  
Concen: 0.132 ng/ul  
RT: 14.309 min Scan# 2410  
Delta R.T. -0.005 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:152 Resp: 7884  
Ion Ratio Lower Upper  
152 100  
151 22.0 16.2 24.2  
153 16.5 10.9 16.3#

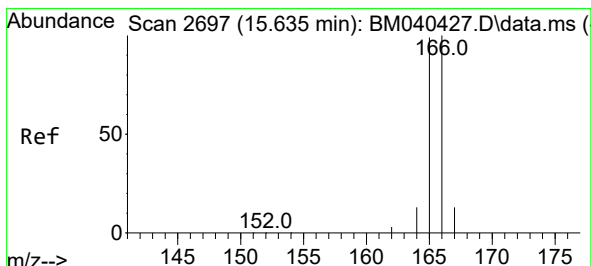
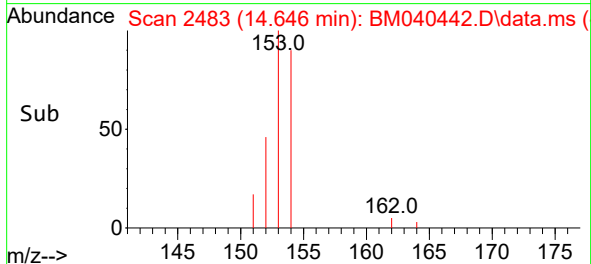
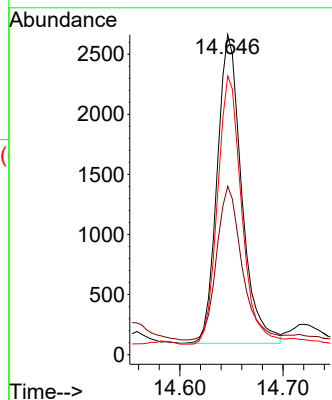
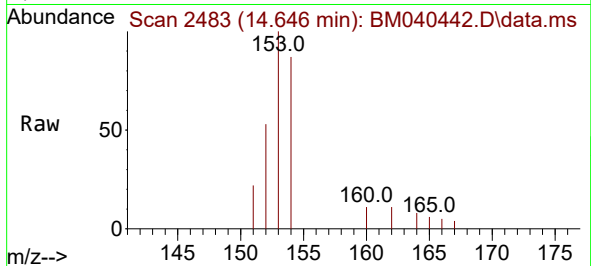




#11  
Acenaphthene  
Concen: 0.084 ng/ul  
RT: 14.646 min Scan# 2483  
Delta R.T. -0.009 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

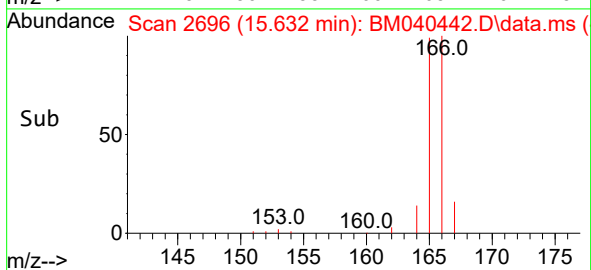
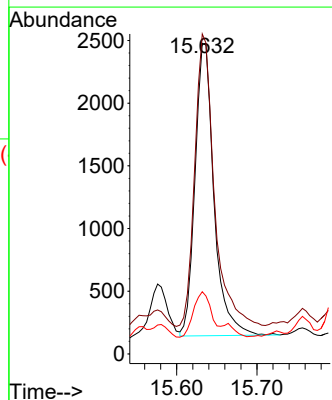
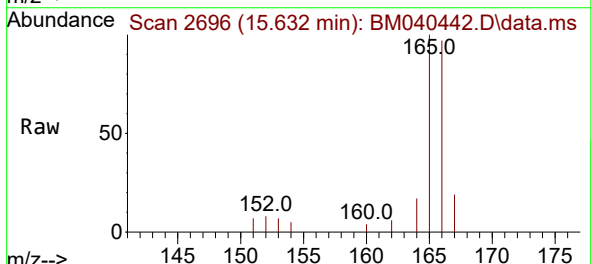
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BNA\_M  
ClientSampleId :  
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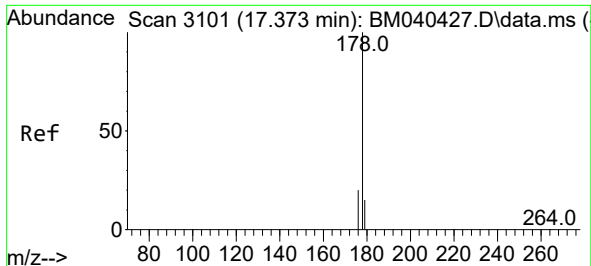
Tgt Ion:153 Resp: 4240  
Ion Ratio Lower Upper  
153 100  
152 52.6 41.0 61.4  
154 87.1 70.8 106.2



#12  
Fluorene  
Concen: 0.071 ng/ul  
RT: 15.632 min Scan# 2696  
Delta R.T. -0.009 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:166 Resp: 3819  
Ion Ratio Lower Upper  
166 100  
165 103.0 79.6 119.4  
167 20.0 11.4 17.0#

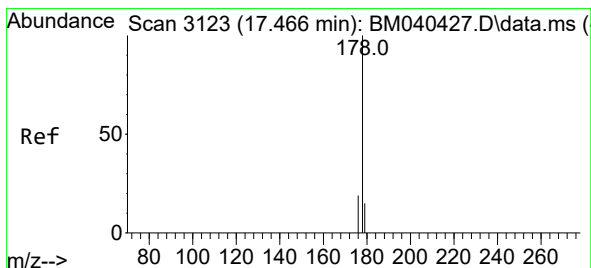
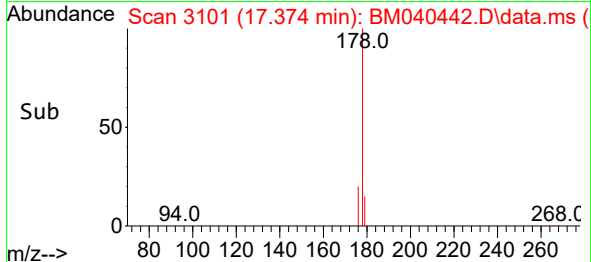
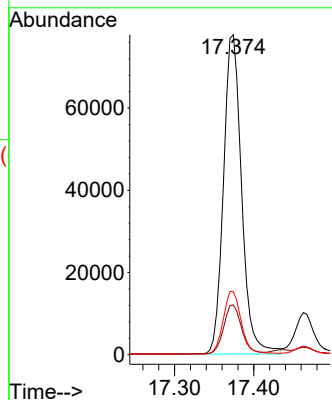
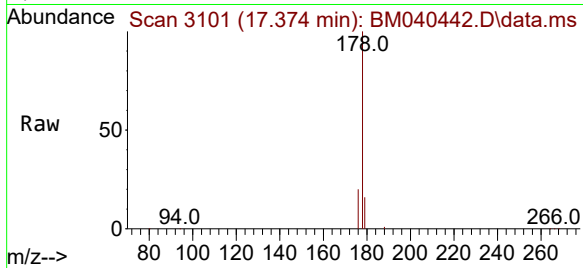




#15  
Phenanthrene  
Concen: 1.563 ng/ul  
RT: 17.374 min Scan# 3101  
Delta R.T. -0.004 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

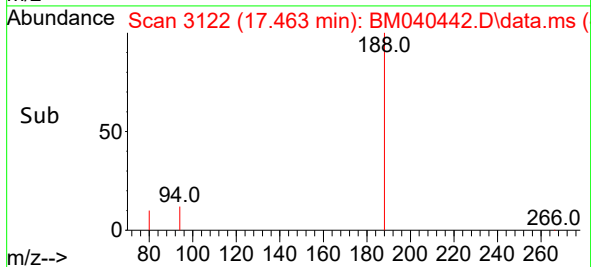
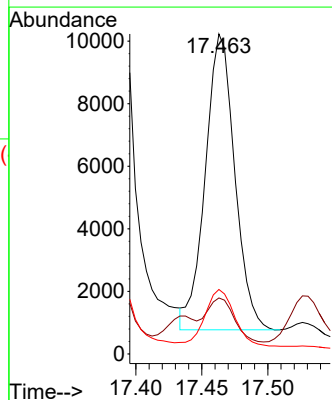
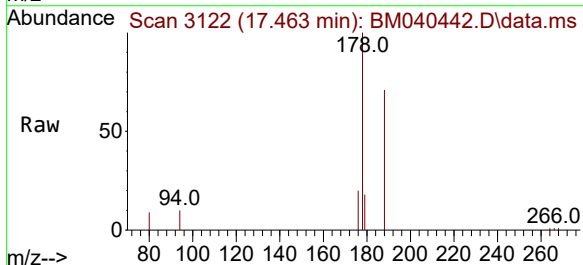
Instrument :  
BNA\_M  
ClientSampleId :  
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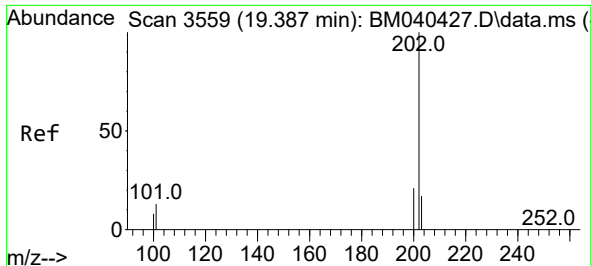
Tgt Ion:178 Resp: 123752  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.8 19.2  
176 19.6 16.4 24.6



#16  
Anthracene  
Concen: 0.220 ng/ul  
RT: 17.463 min Scan# 3122  
Delta R.T. -0.009 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:178 Resp: 14663  
Ion Ratio Lower Upper  
178 100  
179 17.5 12.9 19.3  
176 20.1 15.8 23.6

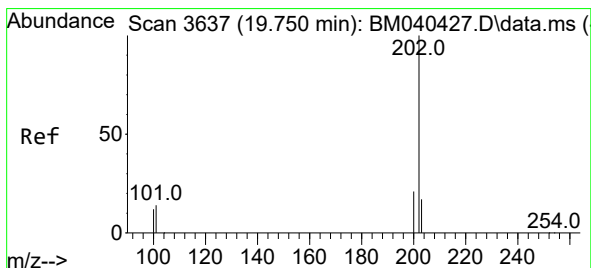
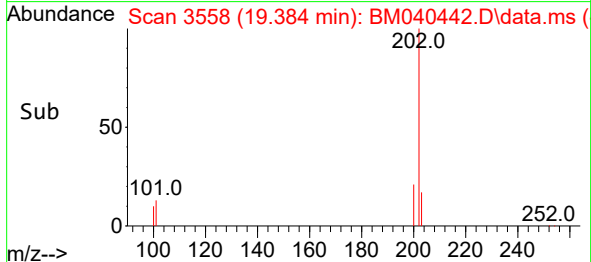
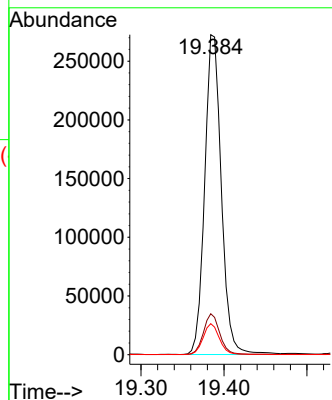
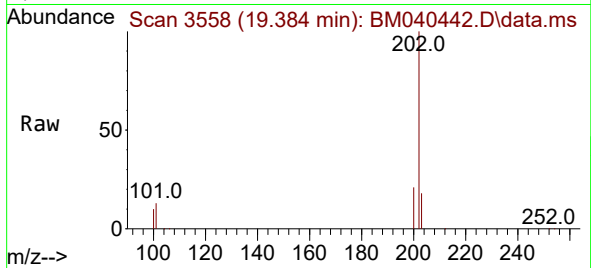




#19  
Fluoranthene  
Concen: 6.581 ng/ul  
RT: 19.384 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

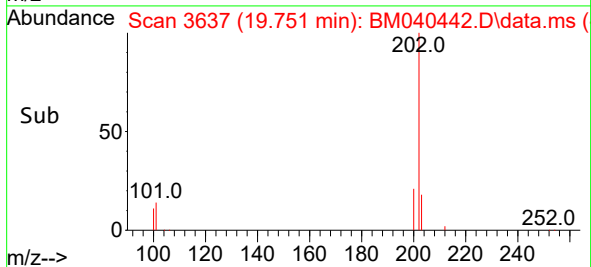
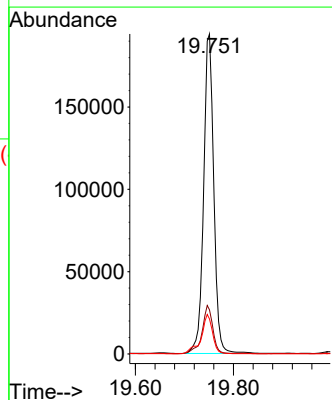
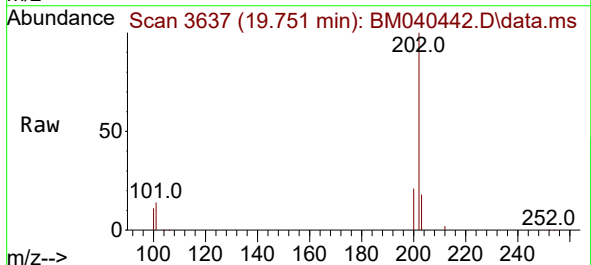
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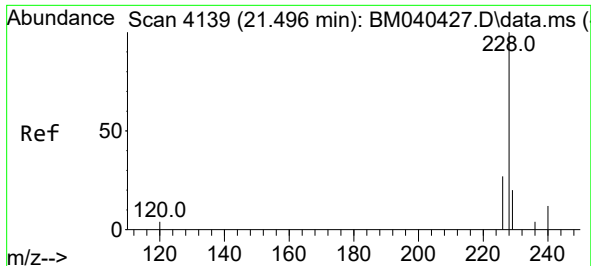
Tgt Ion:202 Resp: 380185  
Ion Ratio Lower Upper  
202 100  
101 12.8 11.4 17.0  
100 9.7 8.7 13.1



#20  
Pyrene  
Concen: 4.506 ng/ul  
RT: 19.751 min Scan# 3637  
Delta R.T. -0.005 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:202 Resp: 279033  
Ion Ratio Lower Upper  
202 100  
101 13.8 12.6 18.8  
100 11.0 9.8 14.6

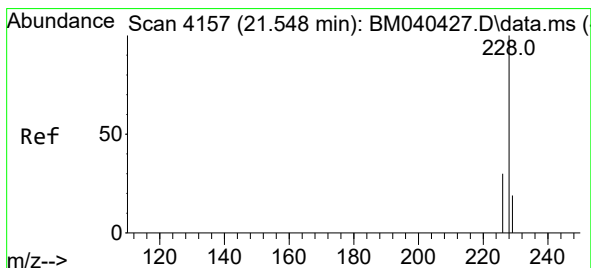
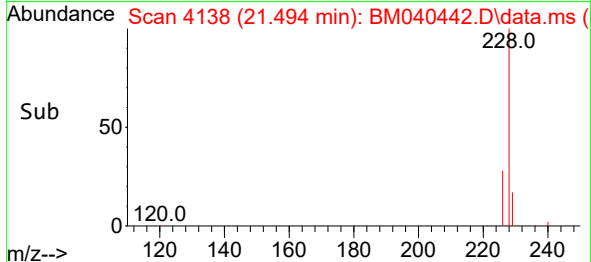
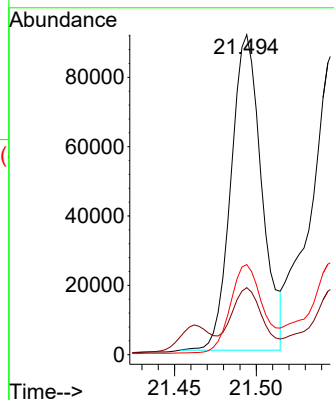
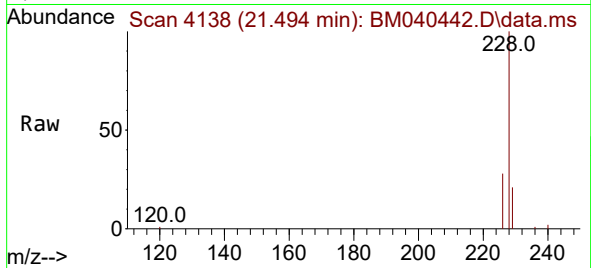




#21  
Benzo(a)anthracene  
Concen: 2.587 ng/ul  
RT: 21.494 min Scan# 4139  
Delta R.T. -0.006 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

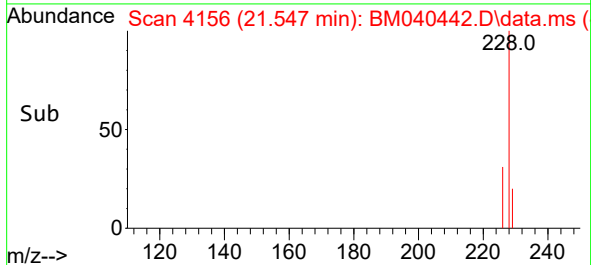
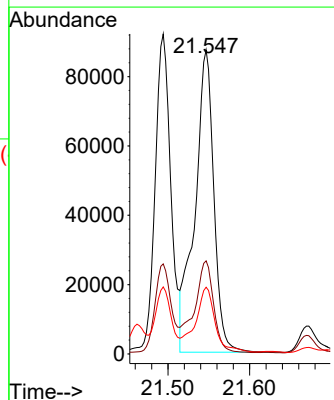
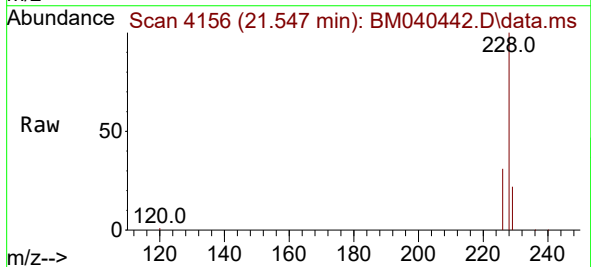
Instrument :  
BNA\_M  
ClientSampleId :  
DCFU9DL

Tgt Ion:228 Resp: 119015  
Ion Ratio Lower Upper  
228 100  
229 20.9 16.0 24.0  
226 28.2 22.3 33.5

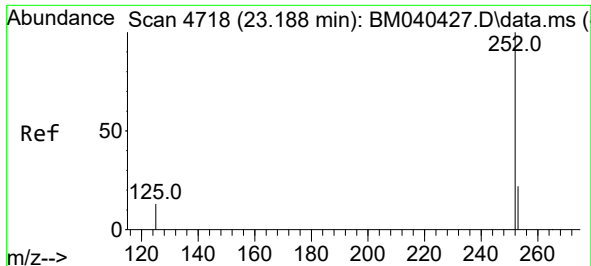


#22  
Chrysene  
Concen: 2.687 ng/ul  
RT: 21.547 min Scan# 4156  
Delta R.T. -0.006 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:228 Resp: 140998  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.9 37.3  
229 21.9 15.8 23.6



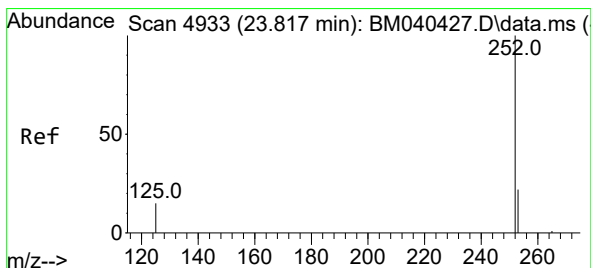
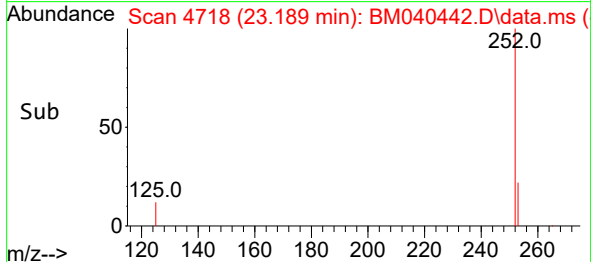
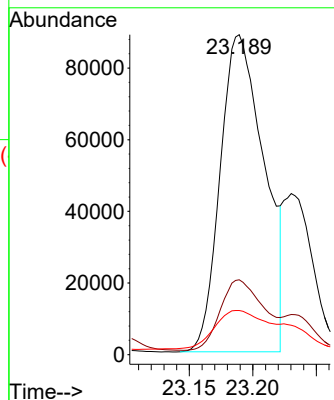
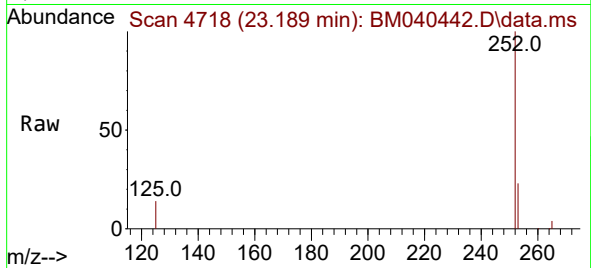




#24  
Benzo(b)fluoranthene  
Concen: 4.019 ng/ul  
RT: 23.189 min Scan# 4718  
Delta R.T. -0.003 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

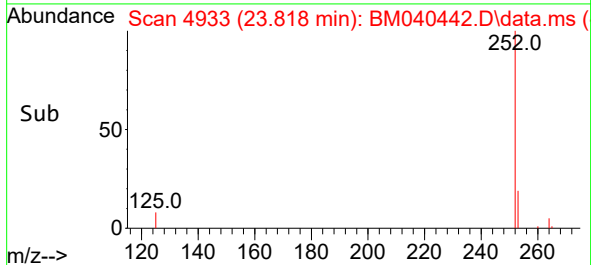
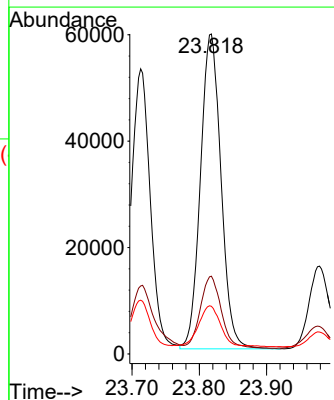
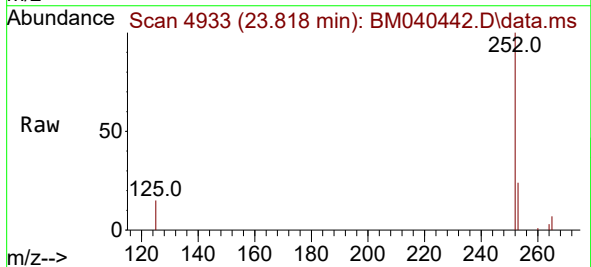
Instrument :  
BNA\_M  
ClientSampleId :  
DCFU9DL

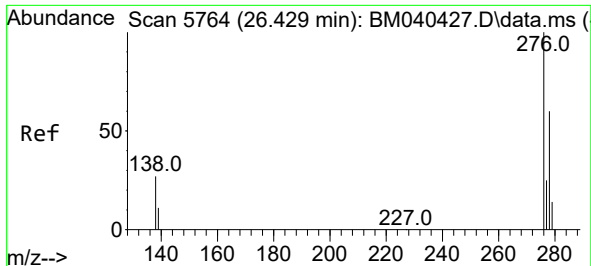
Tgt Ion:252 Resp: 213434  
Ion Ratio Lower Upper  
252 100  
253 23.4 0.0 52.8  
125 13.8 0.0 43.0



#26  
Benzo(a)pyrene  
Concen: 2.625 ng/ul  
RT: 23.818 min Scan# 4933  
Delta R.T. -0.006 min  
Lab File: BM040442.D  
Acq: 29 Jun 2023 17:57

Tgt Ion:252 Resp: 125574  
Ion Ratio Lower Upper  
252 100  
253 24.3 22.9 34.3  
125 14.9 21.0 31.4#

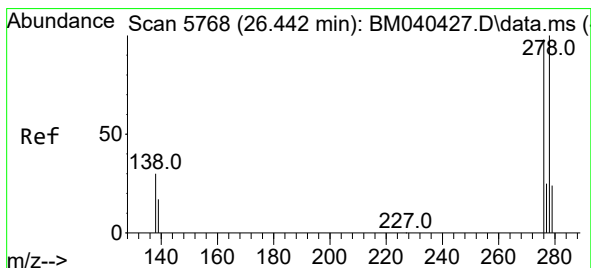
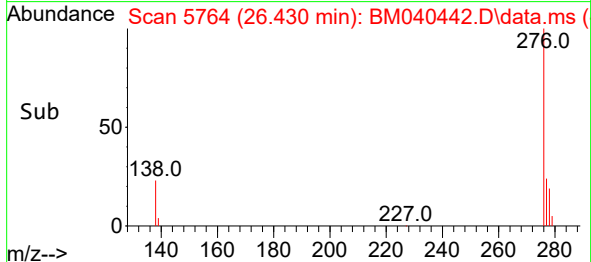
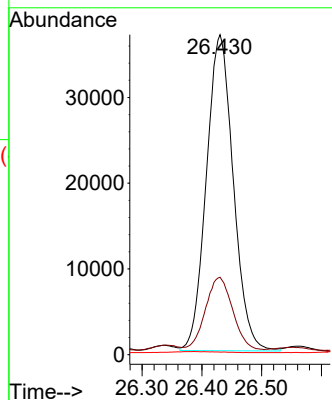
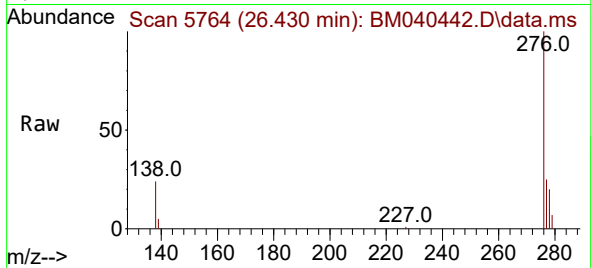




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.734 ng/ul  
 RT: 26.430 min Scan# 51  
 Delta R.T. -0.004 min  
 Lab File: BM040442.D  
 Acq: 29 Jun 2023 17:57

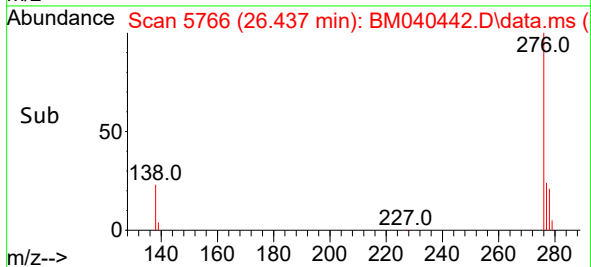
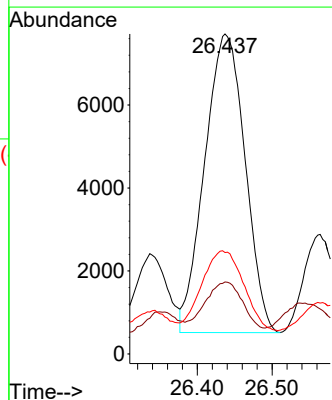
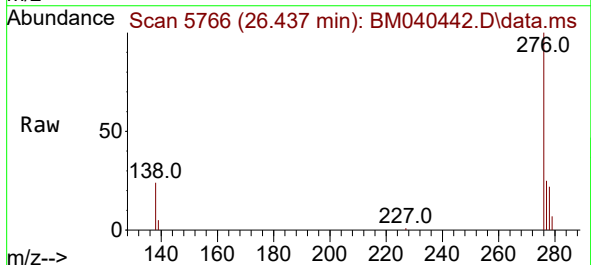
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFU9DL

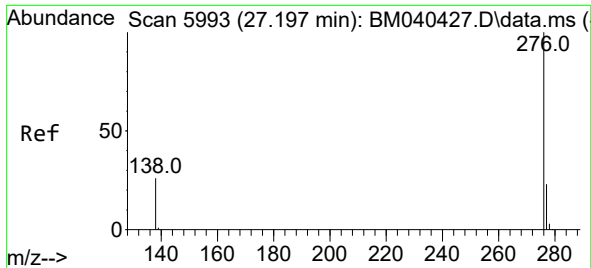
Tgt Ion:276 Resp: 115516  
 Ion Ratio Lower Upper  
 276 100  
 138 23.4 24.5 36.7#  
 227 0.0 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.518 ng/ul  
 RT: 26.437 min Scan# 5766  
 Delta R.T. -0.017 min  
 Lab File: BM040442.D  
 Acq: 29 Jun 2023 17:57

Tgt Ion:278 Resp: 27034  
 Ion Ratio Lower Upper  
 278 100  
 139 22.5 17.9 26.9  
 279 31.7 22.0 33.0





#29

Benzo(g,h,i)perylene

Concen: 1.813 ng/ul

RT: 27.202 min Scan# 5994

Delta R.T. -0.004 min

Lab File: BM040442.D

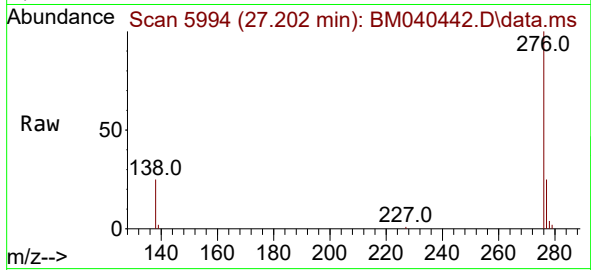
Acq: 29 Jun 2023 17:57

Instrument :

BNA\_M

ClientSampleId :

DCFU9DL



Tgt Ion:276 Resp: 105873

Ion Ratio Lower Upper

276 100

138 25.1 23.0 34.6

277 24.6 20.3 30.5

