

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062323\  
 Data File : BM040391.D  
 Acq On : 24 Jun 2023 00:44  
 Operator : MA/JU  
 Sample : 03084-17DL 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFN4DL

Quant Time: Jun 24 01:39:48 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

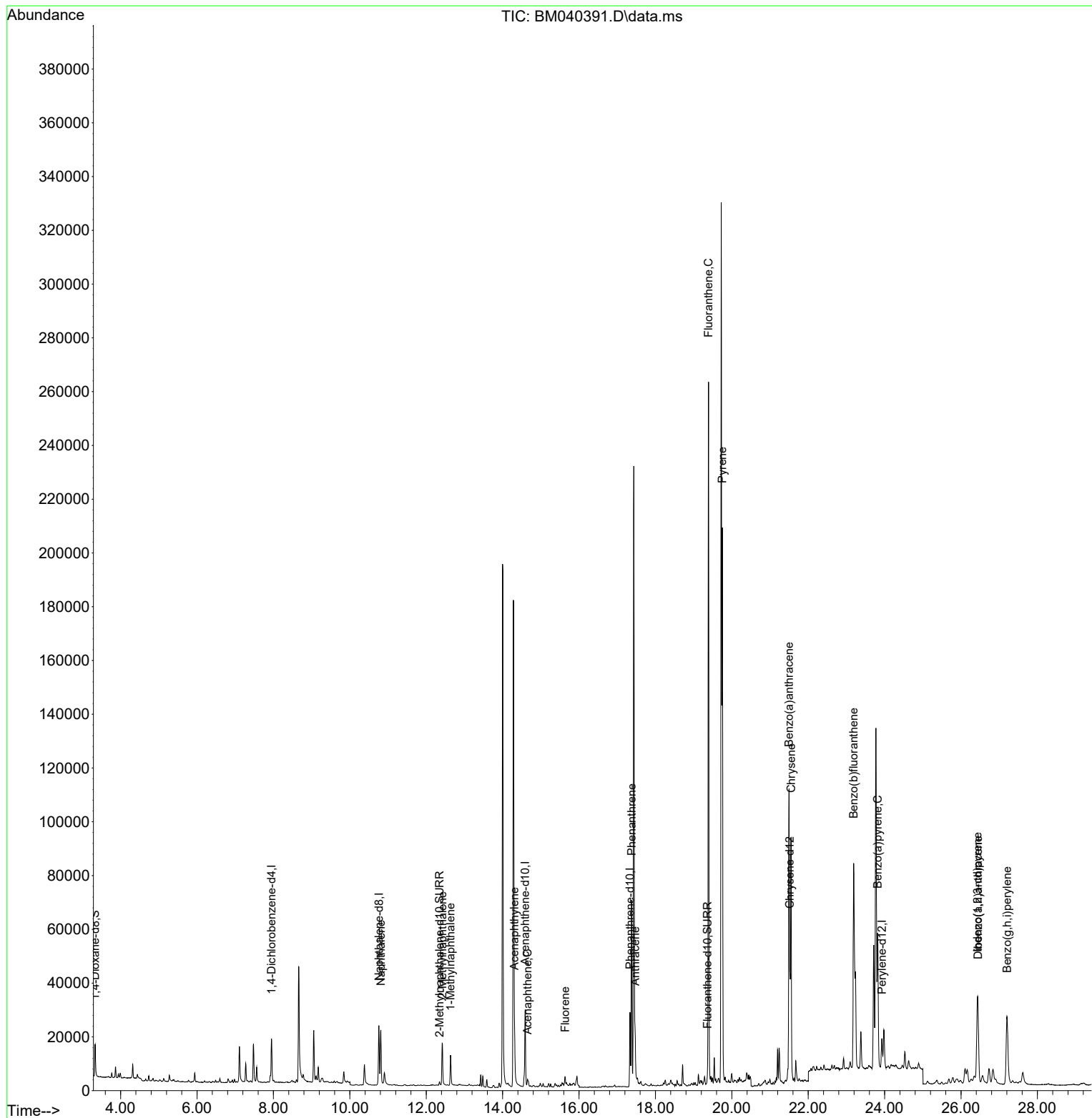
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.949  | 152  | 8644     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.762 | 136  | 32438    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.591 | 164  | 16219    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.336 | 188  | 32094    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.512 | 240  | 19225    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.929 | 264  | 15284    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.333  | 96   | 7772     | 0.572 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.345 | 152  | 2050     | 0.045 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.361 | 212  | 3427     | 0.056 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.811 | 128  | 29415    | 0.329 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.422 | 142  | 13081    | 0.249 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.637 | 142  | 8201     | 0.156 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.309 | 152  | 17981    | 0.248 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.651 | 153  | 1786     | 0.029 | ng/ul  | 92       |
| 12) Fluorene                | 15.637 | 166  | 2331     | 0.036 | ng/ul# | 85       |
| 15) Phenanthrene            | 17.374 | 178  | 76099    | 0.763 | ng/ul  | 99       |
| 16) Anthracene              | 17.467 | 178  | 12800    | 0.153 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.389 | 202  | 214743   | 2.630 | ng/ul  | 96       |
| 20) Pyrene                  | 19.751 | 202  | 164866   | 1.883 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.494 | 228  | 90498    | 1.392 | ng/ul  | 97       |
| 22) Chrysene                | 21.550 | 228  | 98404    | 1.327 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.189 | 252  | 129316   | 2.186 | ng/ul  | 94       |
| 26) Benzo(a)pyrene          | 23.818 | 252  | 70624    | 1.326 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.430 | 276  | 57325    | 0.773 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.444 | 278  | 14337    | 0.247 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.205 | 276  | 57141    | 0.879 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

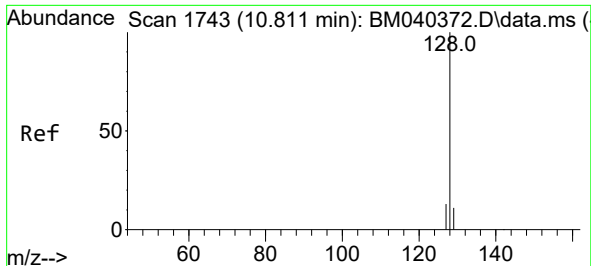
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062323\  
Data File : BM040391.D  
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ALS Vial : 19 Sample Multiplier: 1

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DCFN4DL

Quant Time: Jun 24 01:39:48 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

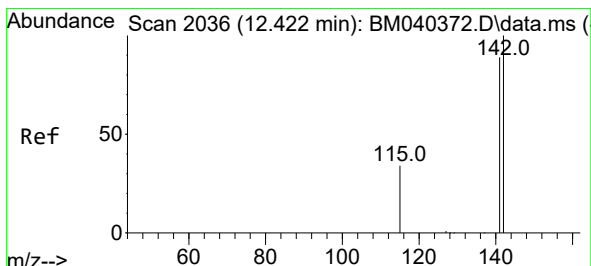
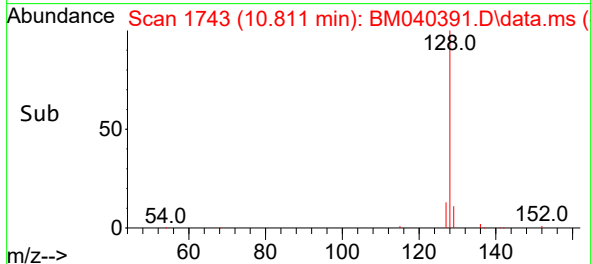
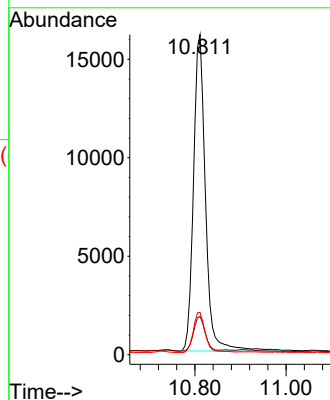
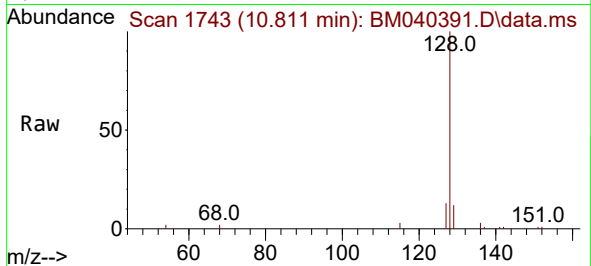




#5  
Naphthalene  
Concen: 0.329 ng/ul  
RT: 10.811 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

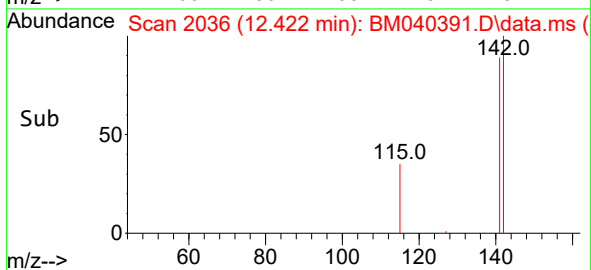
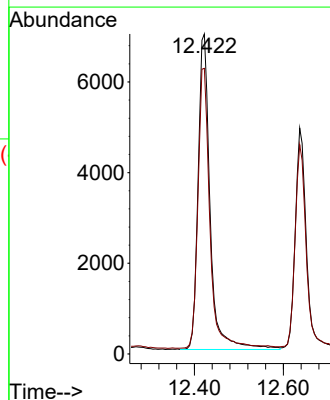
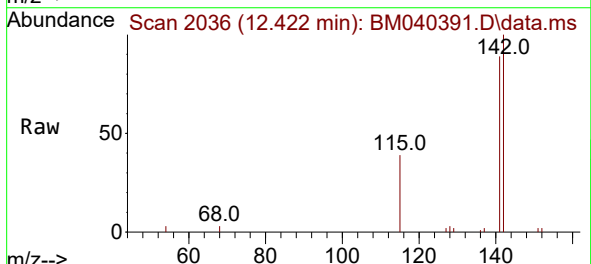
Instrument :  
BNA\_M  
ClientSampleId :  
DCFN4DL

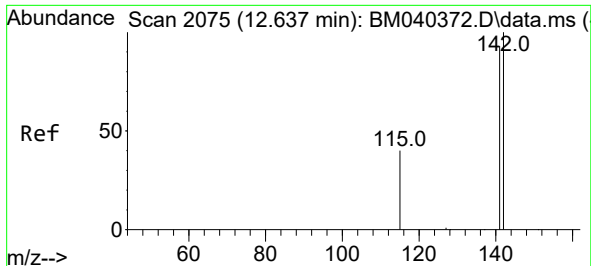
Tgt Ion:128 Resp: 29415  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.2 13.8  
127 13.2 10.6 15.8



#7  
2-Methylnaphthalene  
Concen: 0.249 ng/ul  
RT: 12.422 min Scan# 2036  
Delta R.T. -0.000 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

Tgt Ion:142 Resp: 13081  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.9 107.9

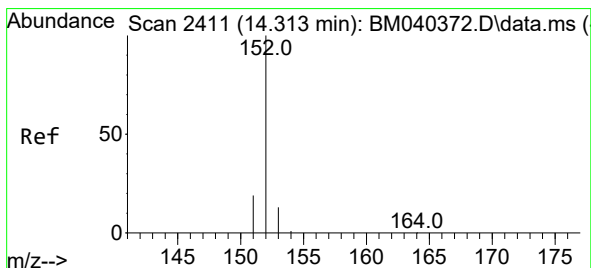
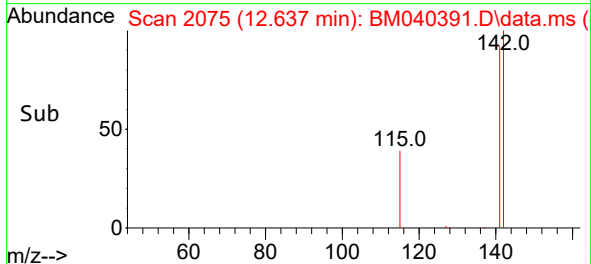
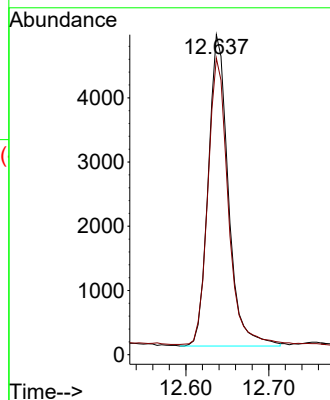
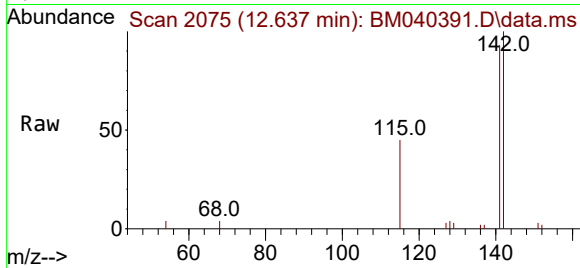




#8  
1-Methylnaphthalene  
Concen: 0.156 ng/ul  
RT: 12.637 min Scan# 2075  
Delta R.T. -0.006 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

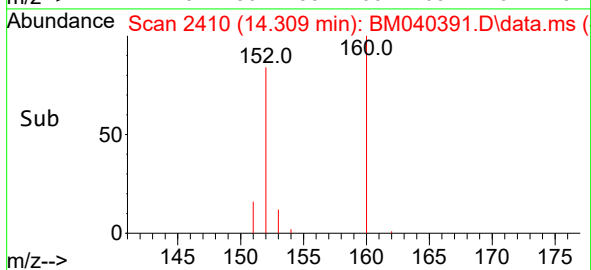
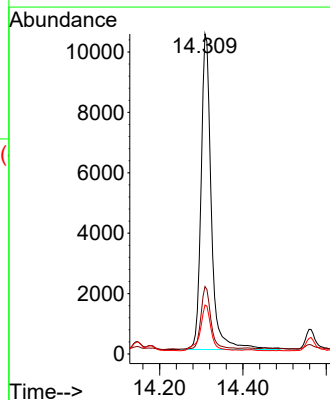
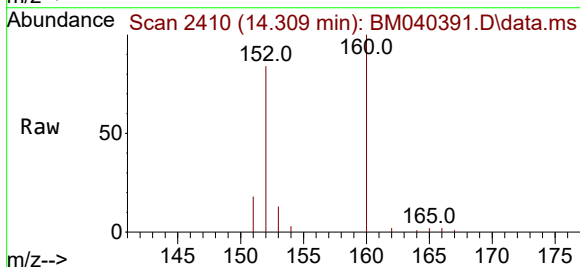
Instrument :  
BNA\_M  
ClientSampleId :  
DCFN4DL

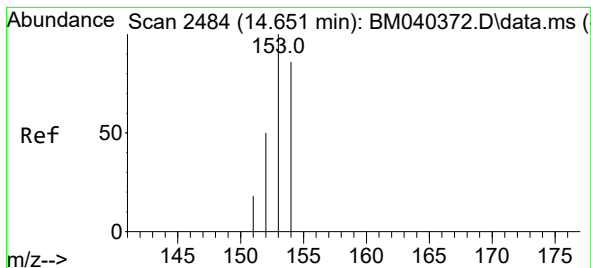
Tgt Ion:142 Resp: 8201  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.7 110.5



#10  
Acenaphthylene  
Concen: 0.248 ng/ul  
RT: 14.309 min Scan# 2410  
Delta R.T. -0.005 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

Tgt Ion:152 Resp: 17981  
Ion Ratio Lower Upper  
152 100  
151 21.1 16.2 24.2  
153 15.3 10.9 16.3





#11

Acenaphthene

Concen: 0.029 ng/ul

RT: 14.651 min Scan# 2484

Delta R.T. -0.005 min

Lab File: BM040391.D

Acq: 24 Jun 2023 00:44

Instrument :

BNA\_M

ClientSampleId :

DCFN4DL

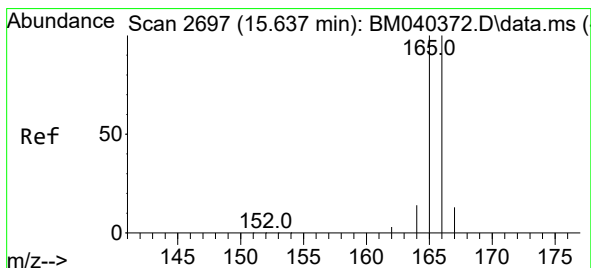
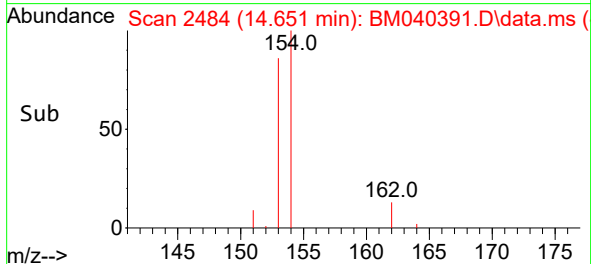
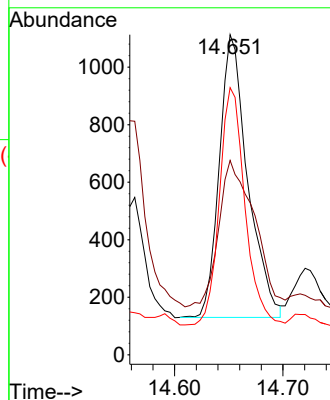
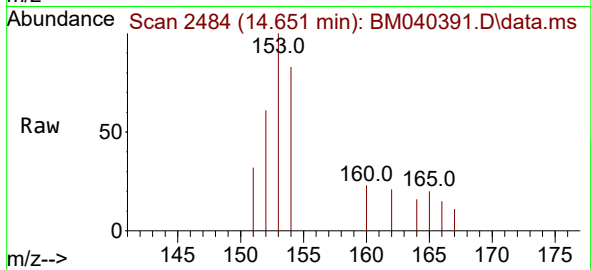
Tgt Ion:153 Resp: 1786

Ion Ratio Lower Upper

153 100

152 60.7 41.0 61.4

154 83.5 70.8 106.2



#12

Fluorene

Concen: 0.036 ng/ul

RT: 15.637 min Scan# 2697

Delta R.T. -0.005 min

Lab File: BM040391.D

Acq: 24 Jun 2023 00:44

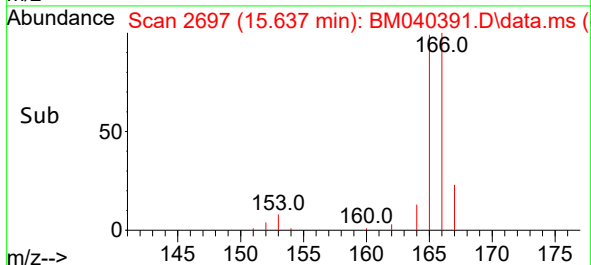
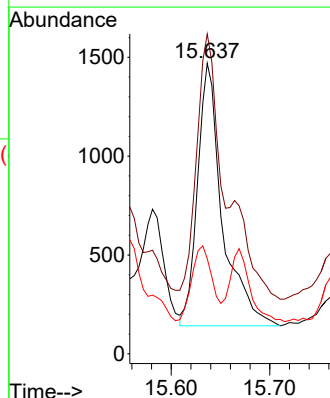
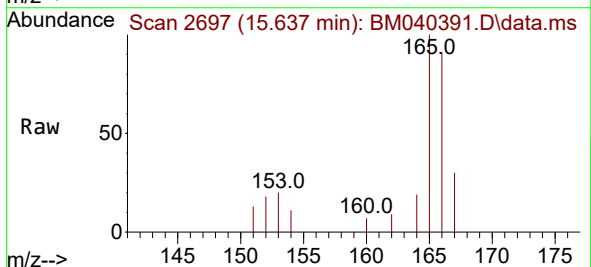
Tgt Ion:166 Resp: 2331

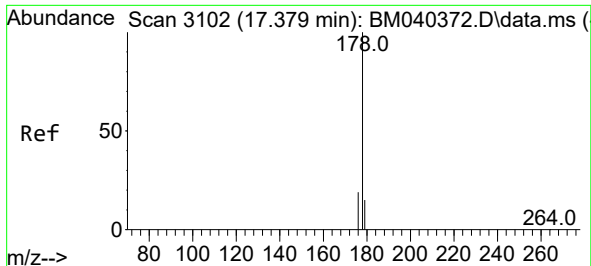
Ion Ratio Lower Upper

166 100

165 110.1 79.6 119.4

167 32.8 11.4 17.0#

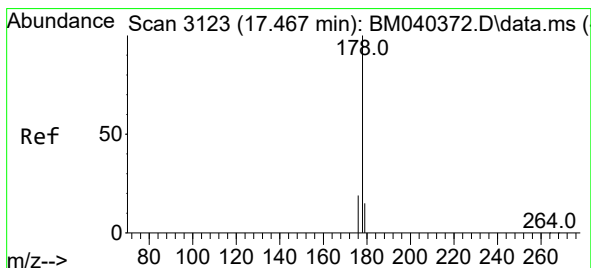
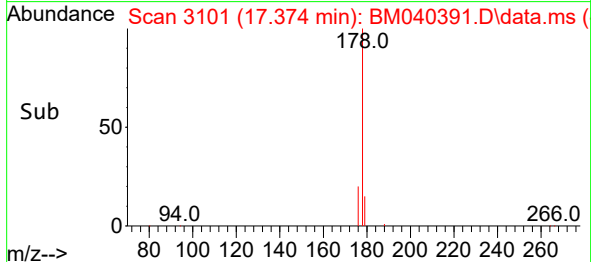
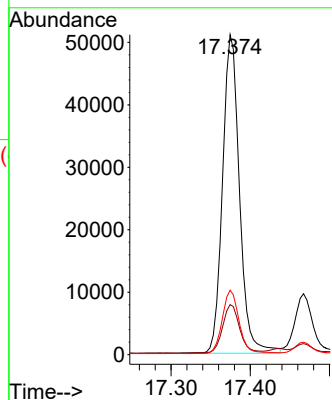
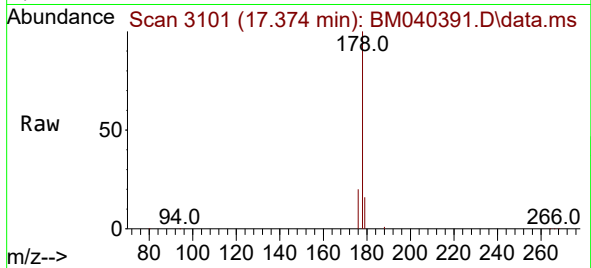




#15  
Phenanthrene  
Concen: 0.763 ng/ul  
RT: 17.374 min Scan# 3101  
Delta R.T. -0.004 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

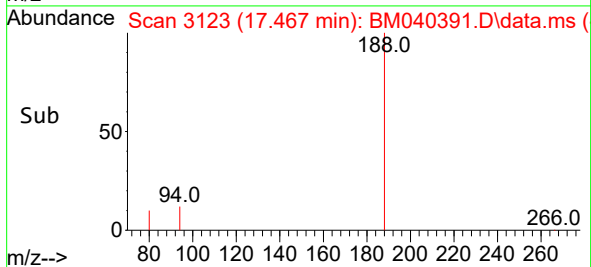
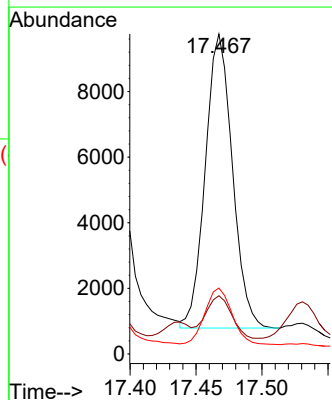
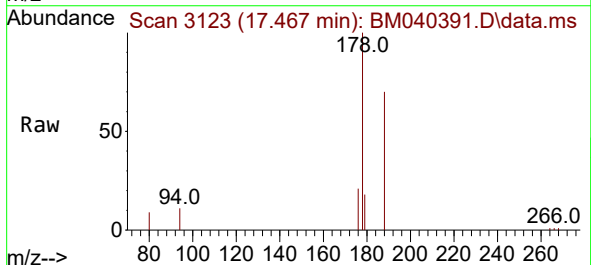
Instrument :  
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ClientSampleId :  
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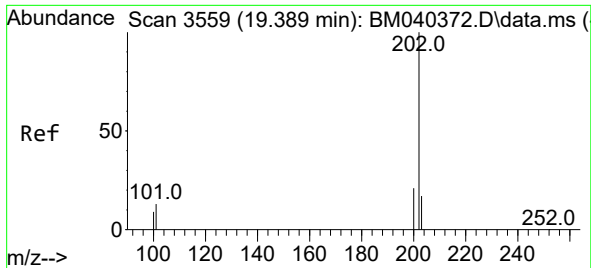
Tgt Ion:178 Resp: 76099  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.8 19.2  
176 20.2 16.4 24.6



#16  
Anthracene  
Concen: 0.153 ng/ul  
RT: 17.467 min Scan# 3123  
Delta R.T. -0.004 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

Tgt Ion:178 Resp: 12800  
Ion Ratio Lower Upper  
178 100  
179 18.2 12.9 19.3  
176 20.6 15.8 23.6

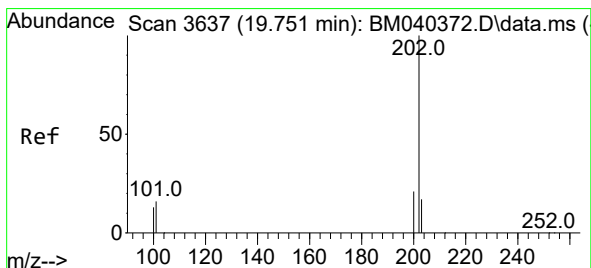
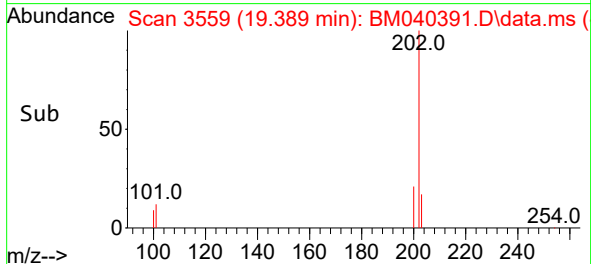
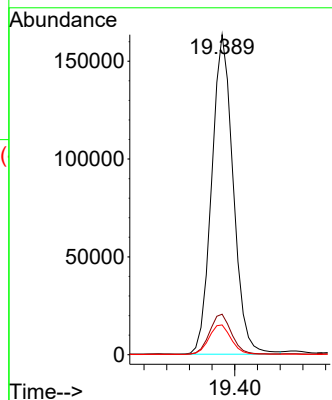
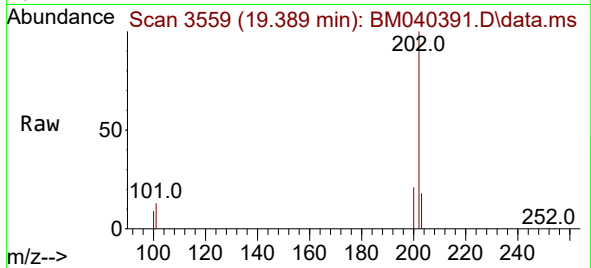




#19  
Fluoranthene  
Concen: 2.630 ng/ul  
RT: 19.389 min Scan# 3559  
Delta R.T. -0.000 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

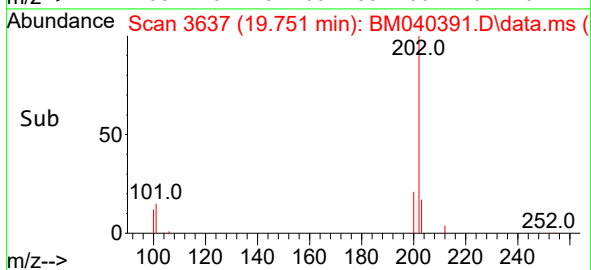
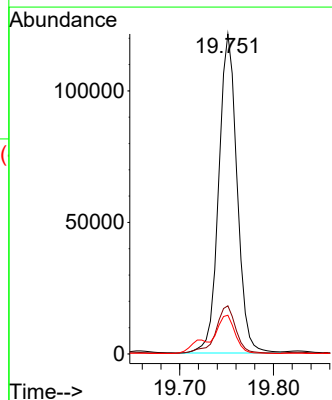
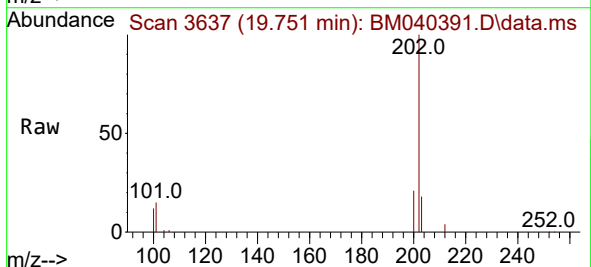
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ClientSampleId :  
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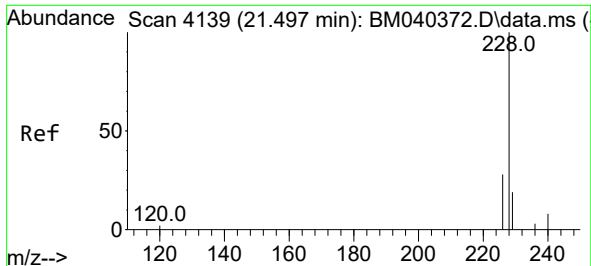
Tgt Ion:202 Resp: 214743  
Ion Ratio Lower Upper  
202 100  
101 12.7 11.4 17.0  
100 9.3 8.7 13.1



#20  
Pyrene  
Concen: 1.883 ng/ul  
RT: 19.751 min Scan# 3637  
Delta R.T. -0.005 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

Tgt Ion:202 Resp: 164866  
Ion Ratio Lower Upper  
202 100  
101 15.0 12.6 18.8  
100 12.1 9.8 14.6

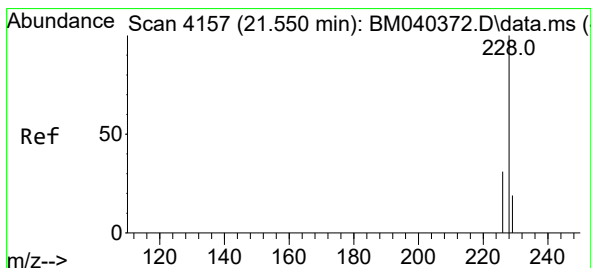
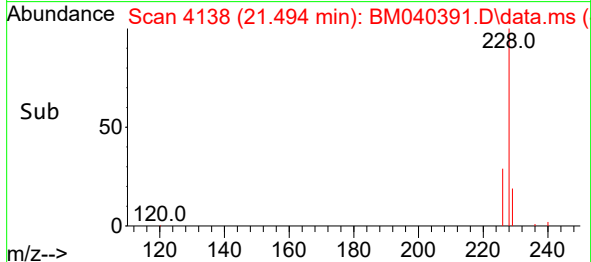
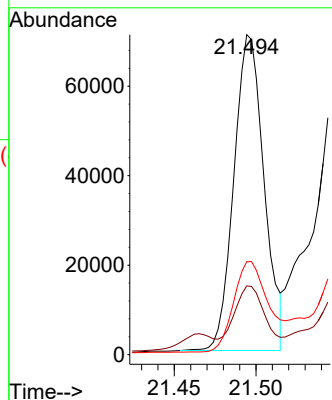
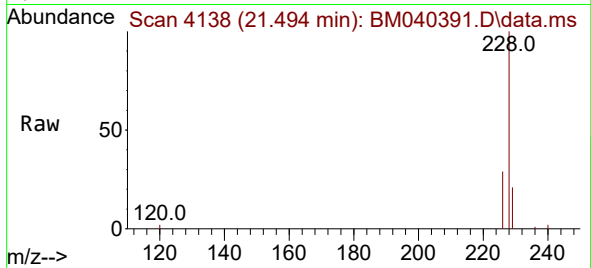




#21  
Benzo(a)anthracene  
Concen: 1.392 ng/ul  
RT: 21.494 min Scan# 4139  
Delta R.T. -0.006 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

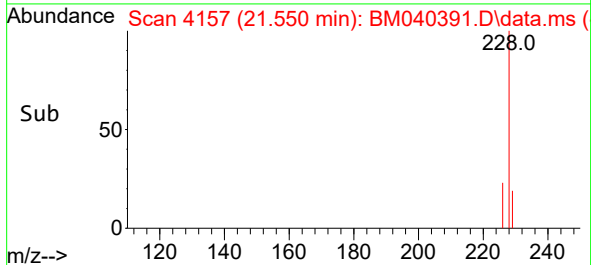
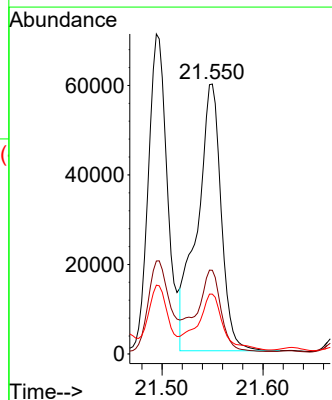
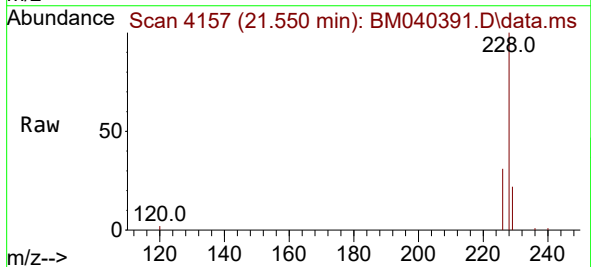
Instrument :  
BNA\_M  
ClientSampleId :  
DCFN4DL

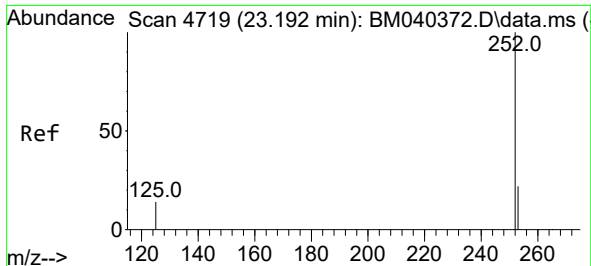
Tgt Ion:228 Resp: 90498  
Ion Ratio Lower Upper  
228 100  
229 21.5 16.0 24.0  
226 29.1 22.3 33.5



#22  
Chrysene  
Concen: 1.327 ng/ul  
RT: 21.550 min Scan# 4157  
Delta R.T. -0.003 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

Tgt Ion:228 Resp: 98404  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.9 37.3  
229 22.2 15.8 23.6

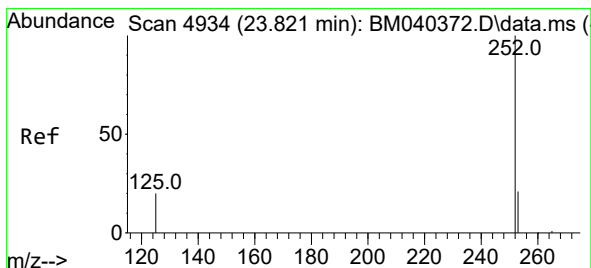
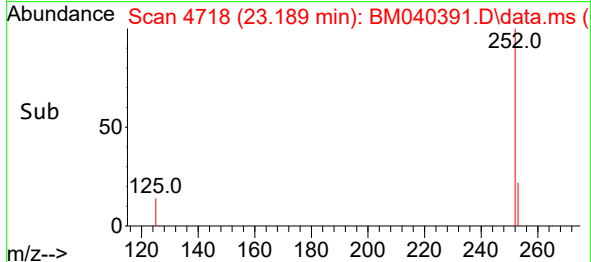
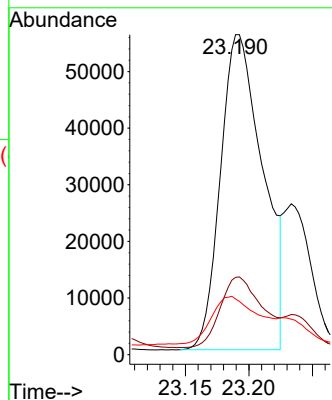
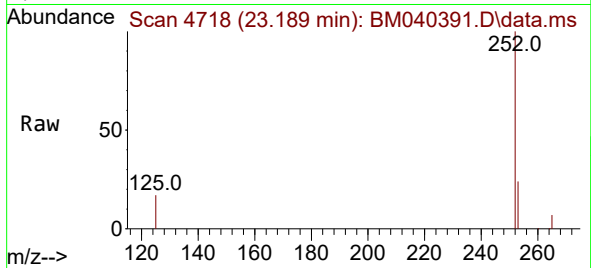




#24  
Benzo(b)fluoranthene  
Concen: 2.186 ng/ul  
RT: 23.189 min Scan# 4719  
Delta R.T. -0.003 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

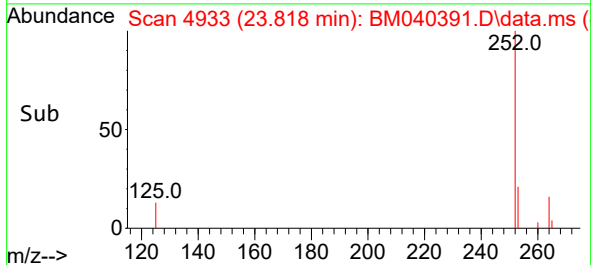
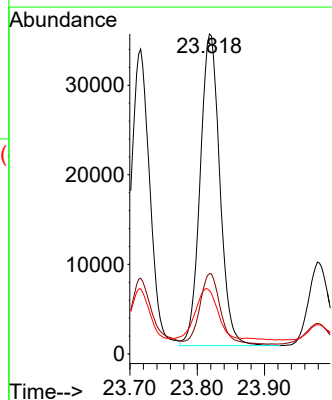
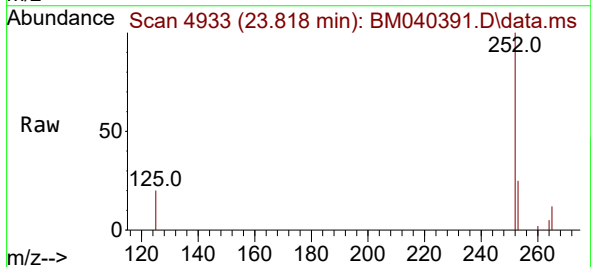
Instrument :  
BNA\_M  
ClientSampleId :  
DCFN4DL

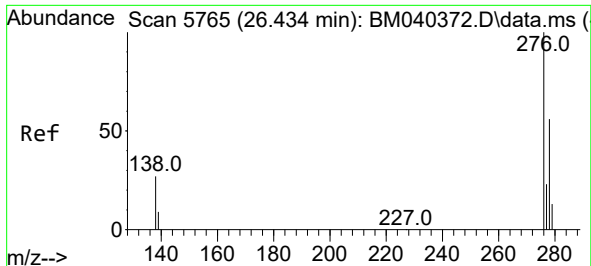
Tgt Ion:252 Resp: 129316  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 52.8  
125 17.4 0.0 43.0



#26  
Benzo(a)pyrene  
Concen: 1.326 ng/ul  
RT: 23.818 min Scan# 4933  
Delta R.T. -0.006 min  
Lab File: BM040391.D  
Acq: 24 Jun 2023 00:44

Tgt Ion:252 Resp: 70624  
Ion Ratio Lower Upper  
252 100  
253 25.1 22.9 34.3  
125 19.8 21.0 31.4#

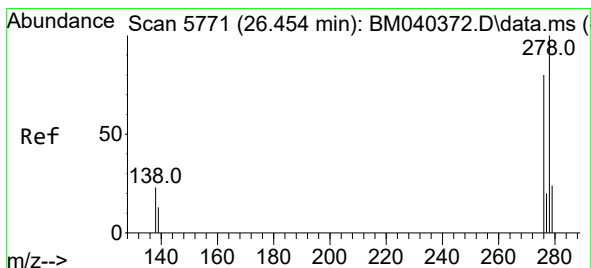
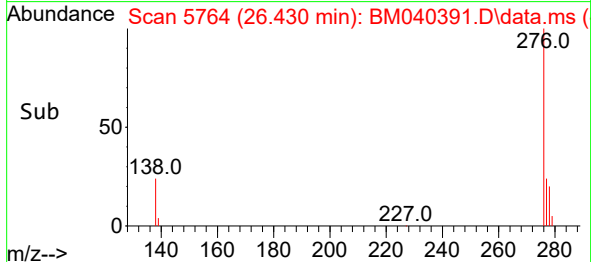
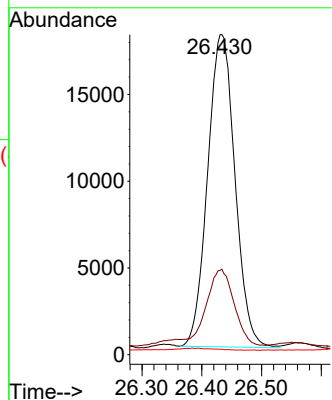
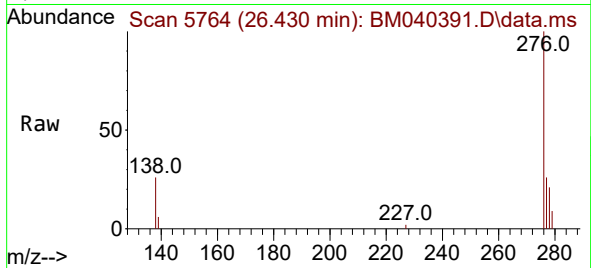




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.773 ng/ul  
 RT: 26.430 min Scan# 5765  
 Delta R.T. -0.003 min  
 Lab File: BM040391.D  
 Acq: 24 Jun 2023 00:44

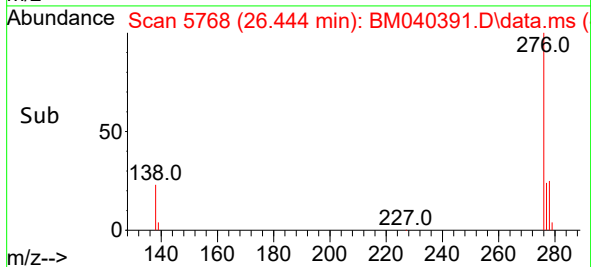
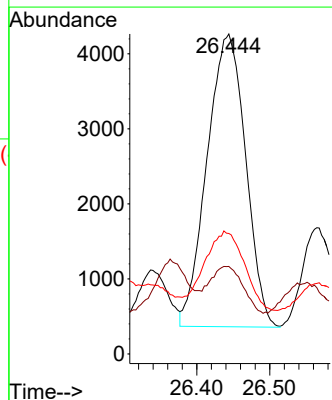
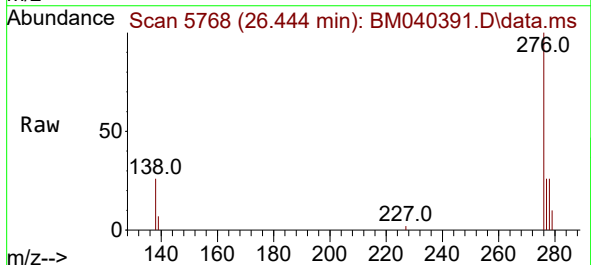
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFN4DL

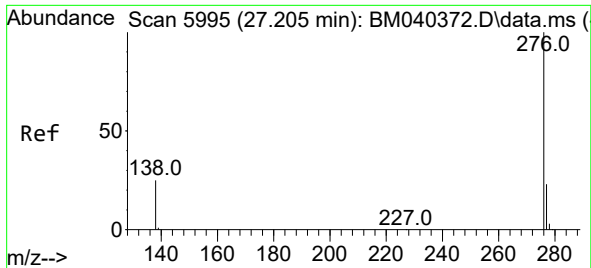
Tgt Ion:276 Resp: 57325  
 Ion Ratio Lower Upper  
 276 100  
 138 24.2 24.5 36.7#  
 227 0.0 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.247 ng/ul  
 RT: 26.444 min Scan# 5768  
 Delta R.T. -0.010 min  
 Lab File: BM040391.D  
 Acq: 24 Jun 2023 00:44

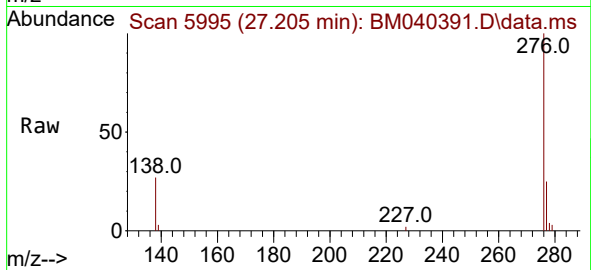
Tgt Ion:278 Resp: 14337  
 Ion Ratio Lower Upper  
 278 100  
 139 27.4 17.9 26.9#  
 279 37.6 22.0 33.0#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.879 ng/ul  
 RT: 27.205 min Scan# 5995  
 Delta R.T. -0.000 min  
 Lab File: BM040391.D  
 Acq: 24 Jun 2023 00:44

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFN4DL



Tgt Ion:276 Resp: 57141  
 Ion Ratio Lower Upper  
 276 100  
 138 27.1 23.0 34.6  
 277 25.0 20.3 30.5

