

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
 Data File : BM041843.D  
 Acq On : 13 Sep 2023 23:05  
 Operator : MA/JU  
 Sample : 04235-02DL 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYD9DL

Quant Time: Sep 14 03:38:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 13 16:15:23 2023  
 Response via : Initial Calibration

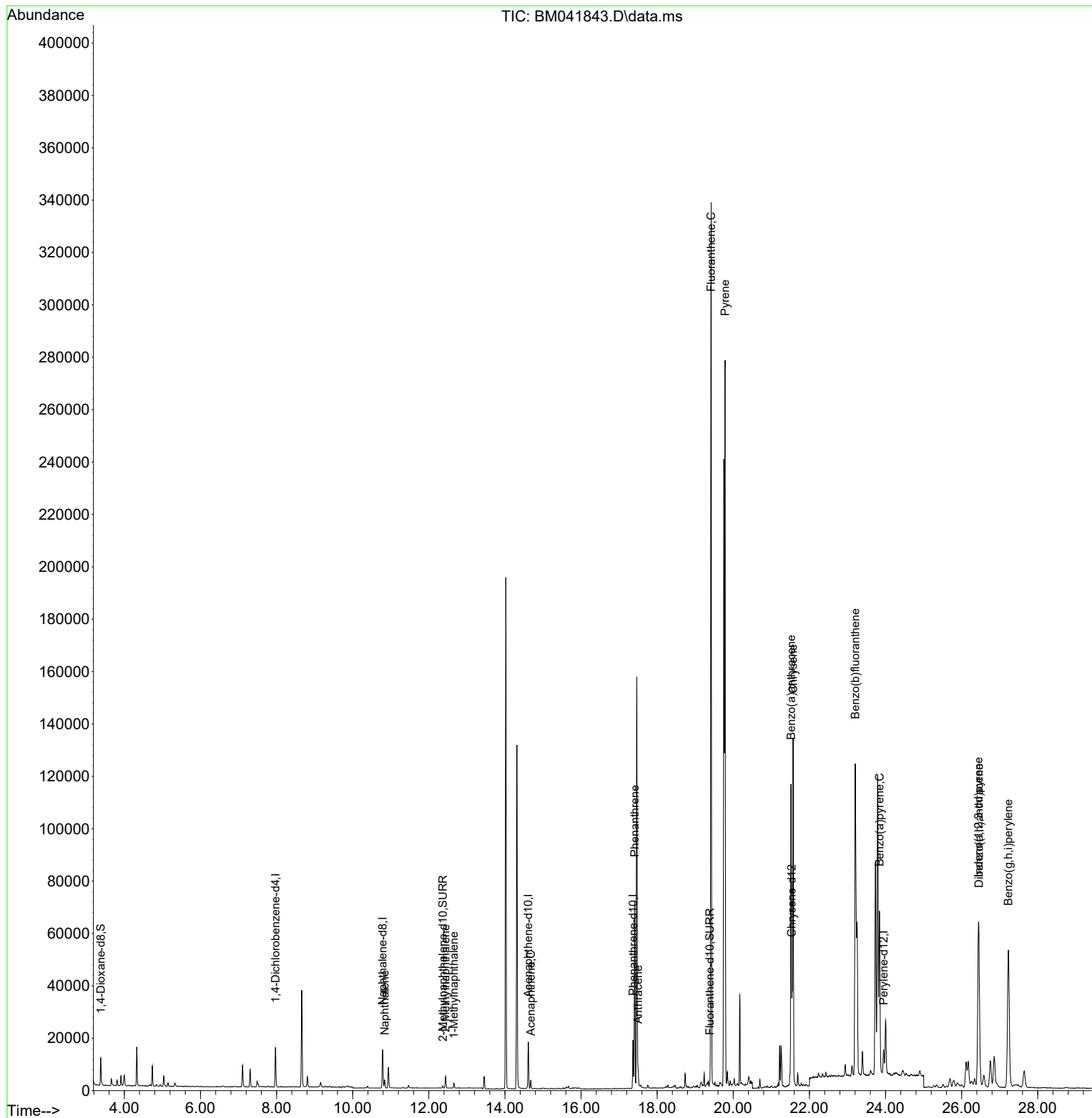
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.971  | 152  | 7457     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.785 | 136  | 18760    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.615 | 164  | 8977     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.367 | 188  | 18867    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.533 | 240  | 11144    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.950 | 264  | 12355    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.381  | 96   | 6715     | 0.708 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.368 | 152  | 1010     | 0.040 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.385 | 212  | 1862     | 0.049 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.840 | 128  | 4262     | 0.067 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.440 | 142  | 3052     | 0.080 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.660 | 142  | 1199     | 0.031 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.680 | 153  | 1767     | 0.041 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.409 | 178  | 70886    | 0.861 | ng/ul  | 99       |
| 16) Anthracene              | 17.497 | 178  | 5290     | 0.074 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.417 | 202  | 271336   | 3.144 | ng/ul  | 100      |
| 20) Pyrene                  | 19.784 | 202  | 217216   | 2.404 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.518 | 228  | 96907    | 1.318 | ng/ul  | 100      |
| 22) Chrysene                | 21.571 | 228  | 129885   | 1.726 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.205 | 252  | 201472   | 2.292 | ng/ul  | 94       |
| 26) Benzo(a)pyrene          | 23.842 | 252  | 88533    | 1.321 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.444 | 276  | 109793   | 1.065 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.455 | 278  | 24929    | 0.328 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.229 | 276  | 112560   | 1.291 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

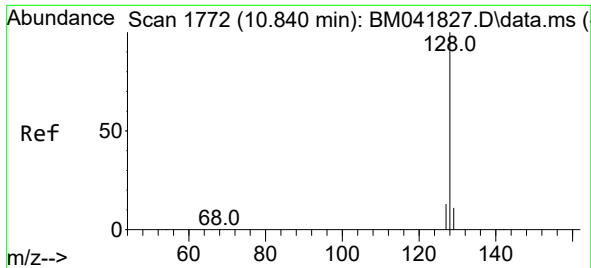
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
Data File : BM041843.D  
Acq On : 13 Sep 2023 23:05  
Operator : MA/JU  
Sample : 04235-02DL 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EZYD9DL

Quant Time: Sep 14 03:38:47 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 13 16:15:23 2023  
Response via : Initial Calibration

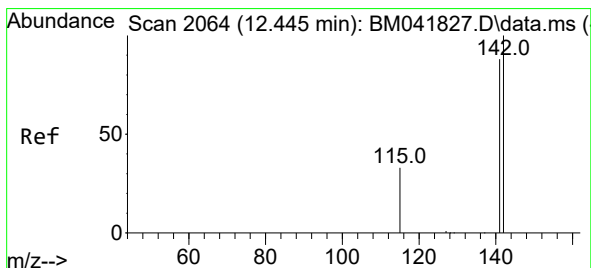
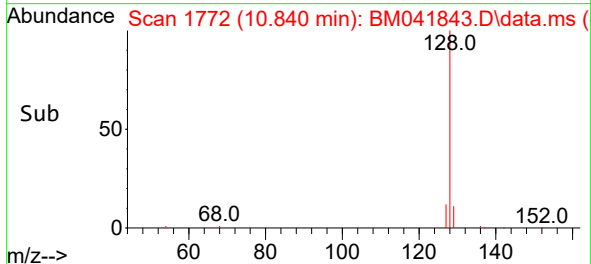
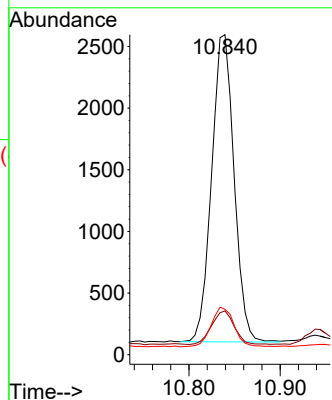
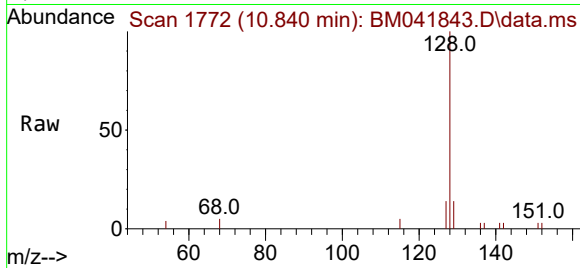




#5  
Naphthalene  
Concen: 0.067 ng/ul  
RT: 10.840 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

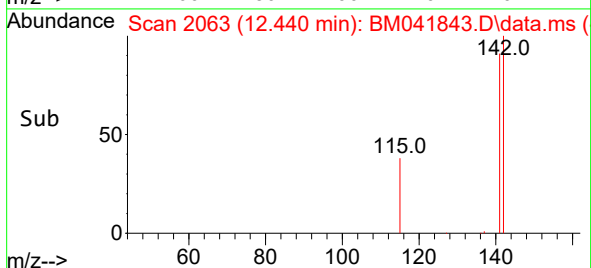
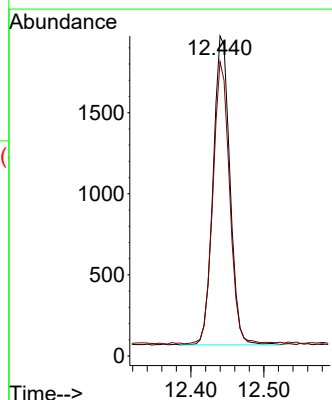
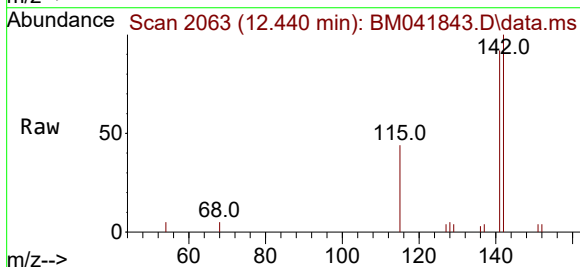
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BNA\_M  
ClientSampleId :  
EZYD9DL

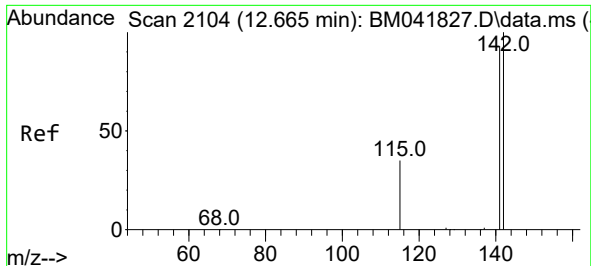
Tgt Ion:128 Resp: 4262  
Ion Ratio Lower Upper  
128 100  
129 13.7 9.5 14.3  
127 14.1 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 0.080 ng/ul  
RT: 12.440 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

Tgt Ion:142 Resp: 3052  
Ion Ratio Lower Upper  
142 100  
141 90.8 72.1 108.1

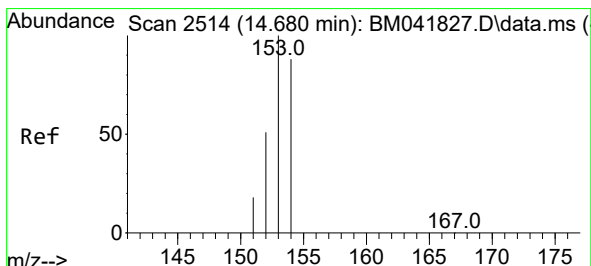
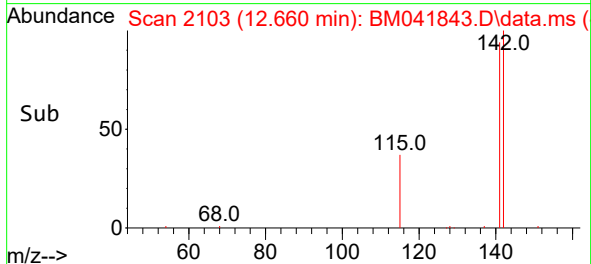
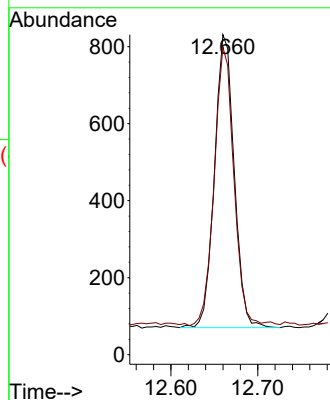
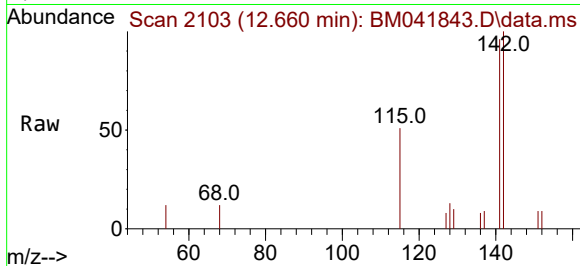




#8  
1-Methylnaphthalene  
Concen: 0.031 ng/ul  
RT: 12.660 min Scan# 2104  
Delta R.T. -0.006 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

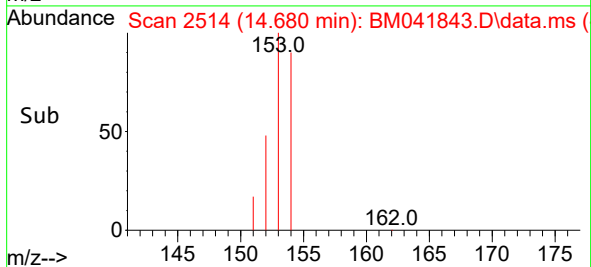
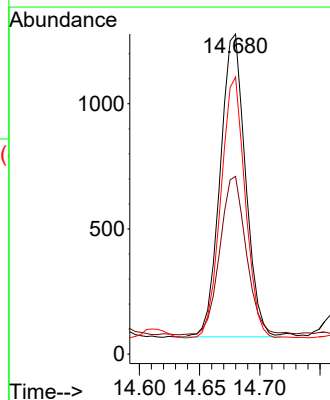
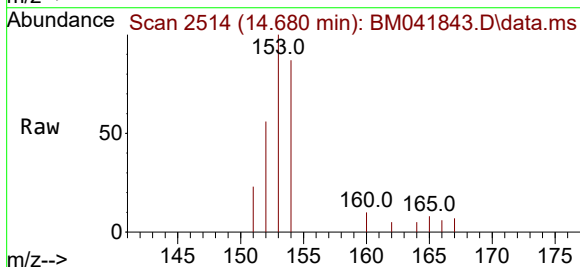
Instrument :  
BNA\_M  
ClientSampleId :  
EZYD9DL

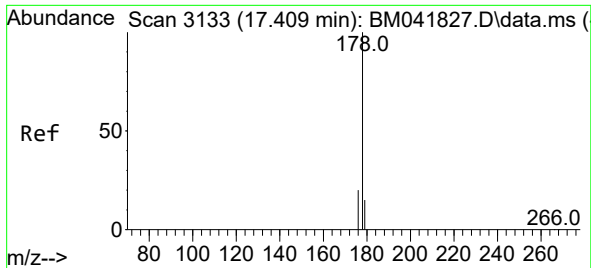
Tgt Ion:142 Resp: 1199  
Ion Ratio Lower Upper  
142 100  
141 95.2 74.3 111.5



#11  
Acenaphthene  
Concen: 0.041 ng/ul  
RT: 14.680 min Scan# 2514  
Delta R.T. -0.000 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

Tgt Ion:153 Resp: 1767  
Ion Ratio Lower Upper  
153 100  
152 55.5 41.5 62.3  
154 86.6 70.7 106.1

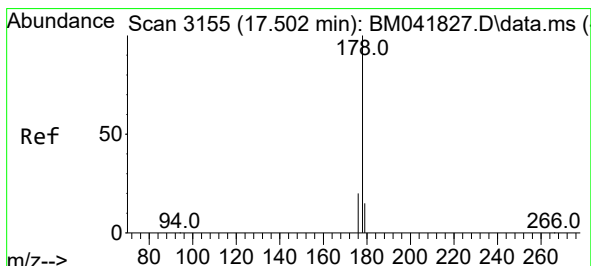
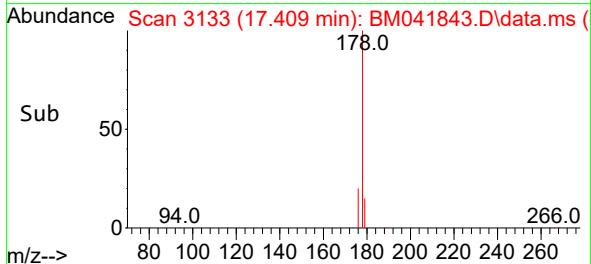
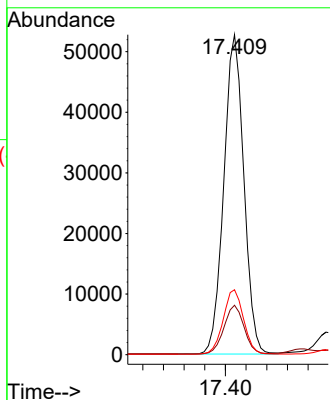
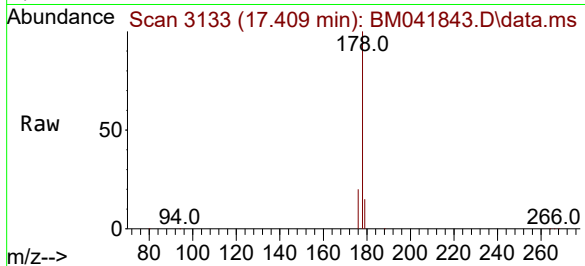




#15  
Phenanthrene  
Concen: 0.861 ng/ul  
RT: 17.409 min Scan# 3133  
Delta R.T. -0.000 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

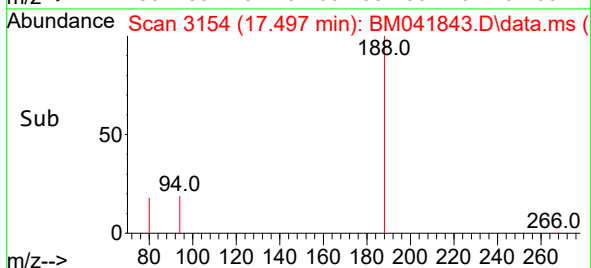
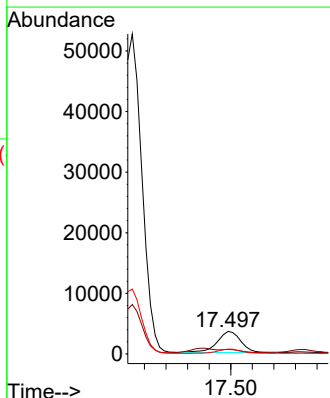
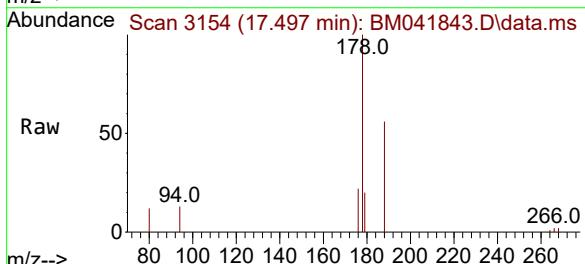
Instrument :  
BNA\_M  
ClientSampleId :  
EZYD9DL

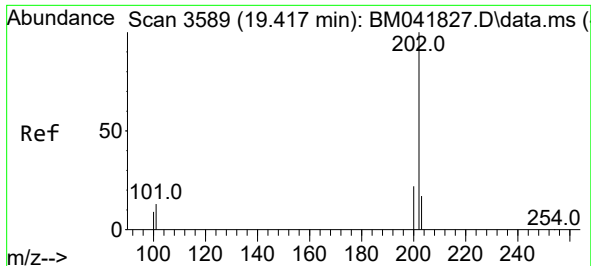
Tgt Ion:178 Resp: 70886  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 19.0  
176 20.3 16.6 25.0



#16  
Anthracene  
Concen: 0.074 ng/ul  
RT: 17.497 min Scan# 3154  
Delta R.T. -0.004 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

Tgt Ion:178 Resp: 5290  
Ion Ratio Lower Upper  
178 100  
179 19.6 12.7 19.1#  
176 21.5 16.1 24.1

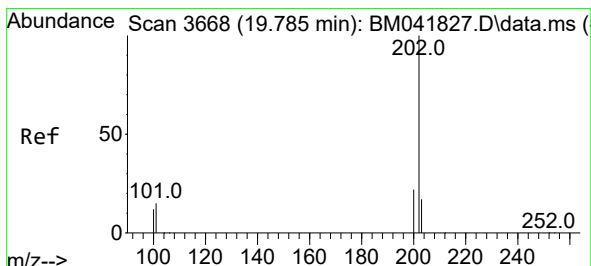
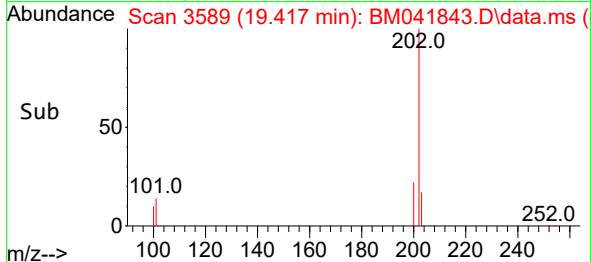
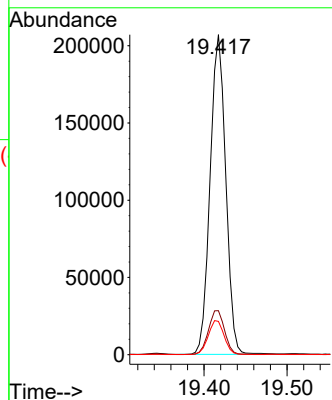
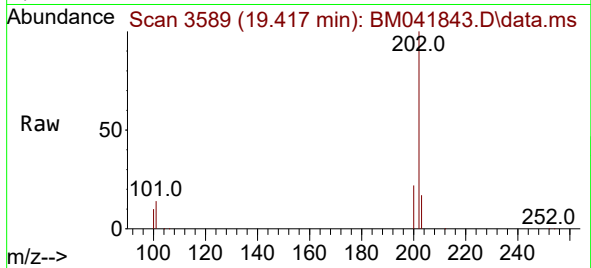




#19  
Fluoranthene  
Concen: 3.144 ng/ul  
RT: 19.417 min Scan# 3589  
Delta R.T. -0.000 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

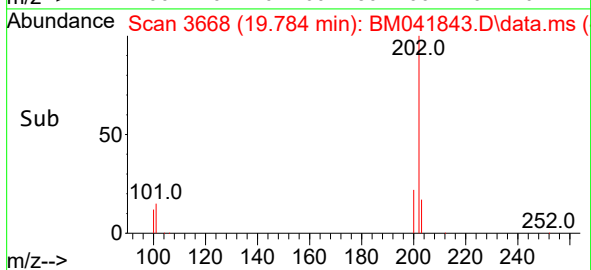
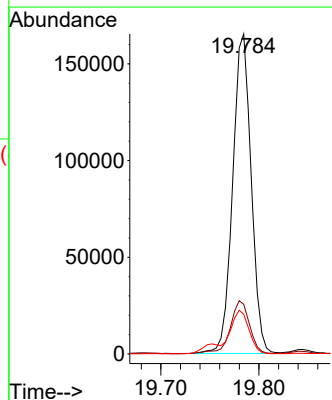
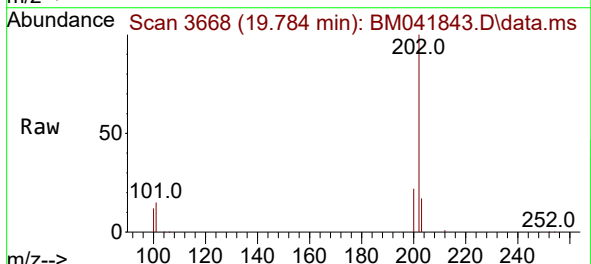
Instrument :  
BNA\_M  
ClientSampleId :  
EZYD9DL

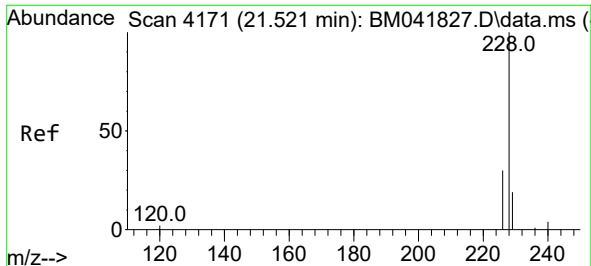
Tgt Ion:202 Resp: 271336  
Ion Ratio Lower Upper  
202 100  
101 13.8 11.0 16.6  
100 10.4 8.2 12.4



#20  
Pyrene  
Concen: 2.404 ng/ul  
RT: 19.784 min Scan# 3668  
Delta R.T. -0.000 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

Tgt Ion:202 Resp: 217216  
Ion Ratio Lower Upper  
202 100  
101 15.5 12.6 19.0  
100 12.4 9.9 14.9

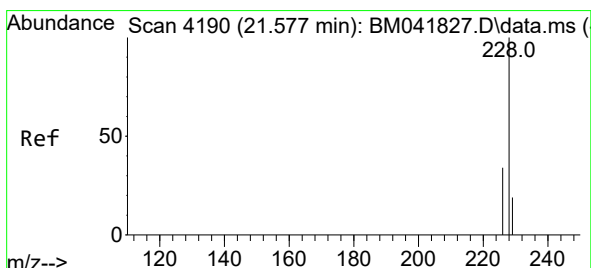
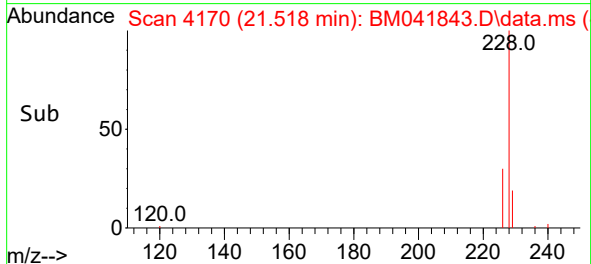
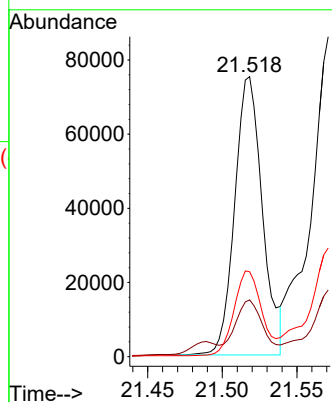
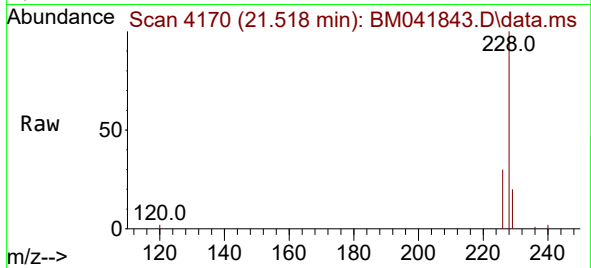




#21  
Benzo(a)anthracene  
Concen: 1.318 ng/ul  
RT: 21.518 min Scan# 4170  
Delta R.T. -0.003 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

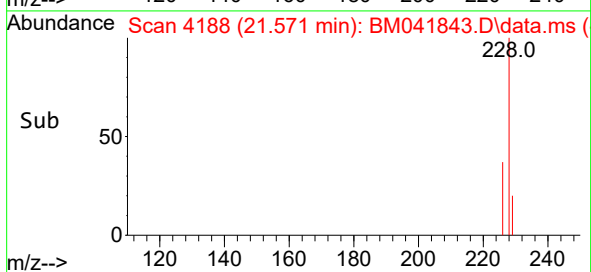
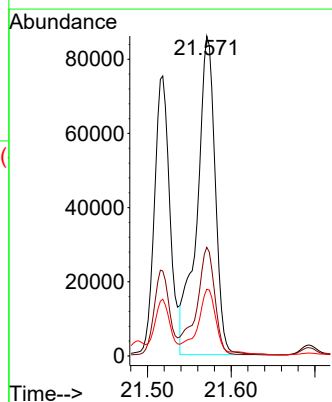
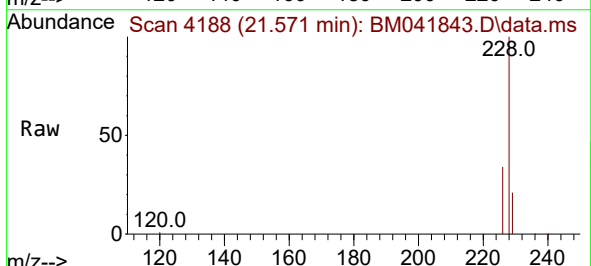
Instrument :  
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ClientSampleId :  
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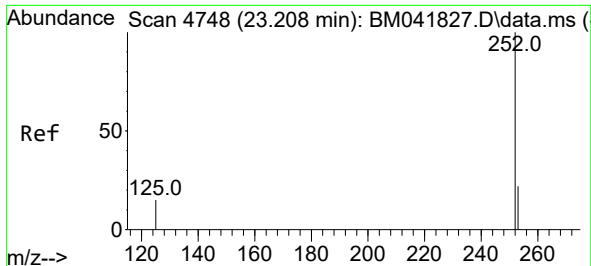
Tgt Ion:228 Resp: 96907  
Ion Ratio Lower Upper  
228 100  
229 20.3 15.8 23.8  
226 30.4 24.3 36.5



#22  
Chrysene  
Concen: 1.726 ng/ul  
RT: 21.571 min Scan# 4188  
Delta R.T. -0.006 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

Tgt Ion:228 Resp: 129885  
Ion Ratio Lower Upper  
228 100  
226 33.9 27.0 40.4  
229 20.9 15.7 23.5

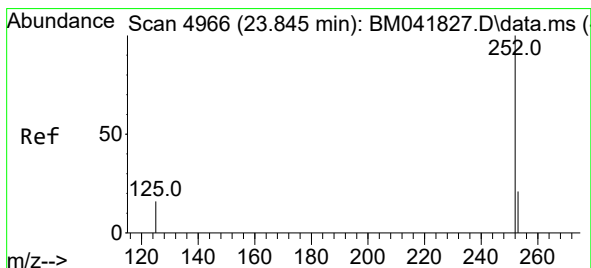
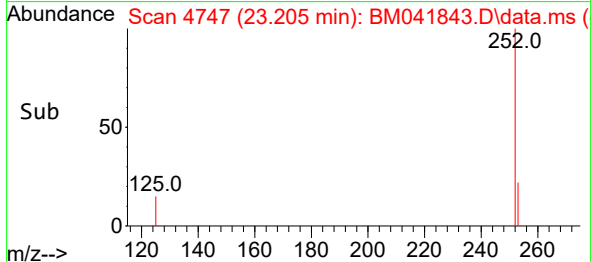
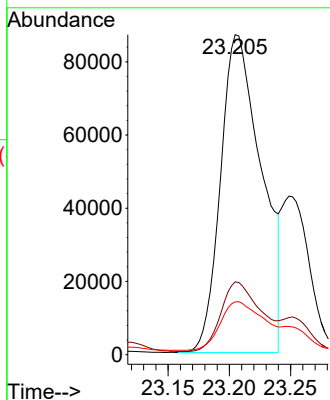
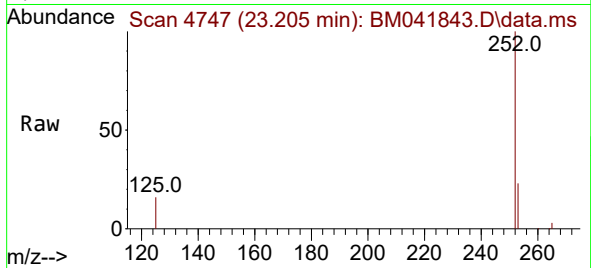




#24  
Benzo(b)fluoranthene  
Concen: 2.292 ng/ul  
RT: 23.205 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

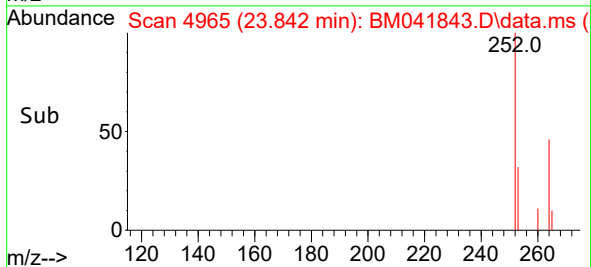
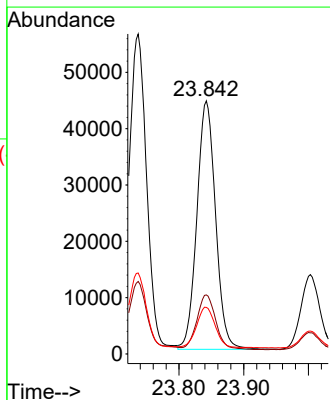
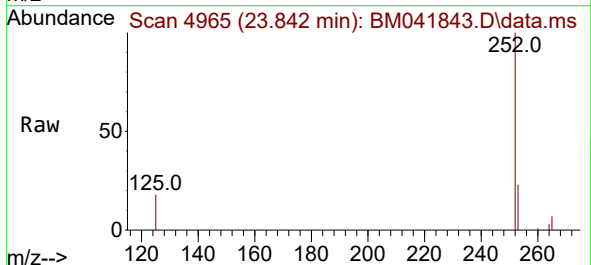
Instrument :  
BNA\_M  
ClientSampleId :  
EZYD9DL

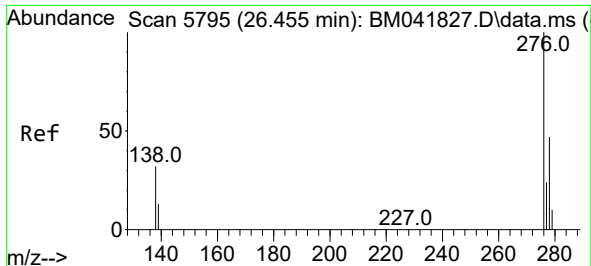
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Ion Ratio Lower Upper  
252 100  
253 22.8 0.0 51.0  
125 16.5 0.0 39.8



#26  
Benzo(a)pyrene  
Concen: 1.321 ng/ul  
RT: 23.842 min Scan# 4965  
Delta R.T. -0.003 min  
Lab File: BM041843.D  
Acq: 13 Sep 2023 23:05

Tgt Ion:252 Resp: 88533  
Ion Ratio Lower Upper  
252 100  
253 23.3 21.8 32.8  
125 18.4 18.8 28.2#

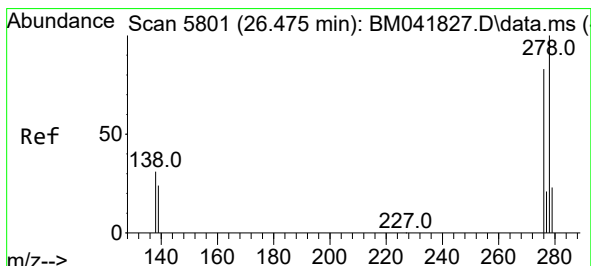
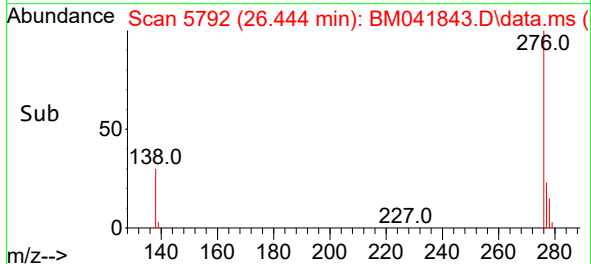
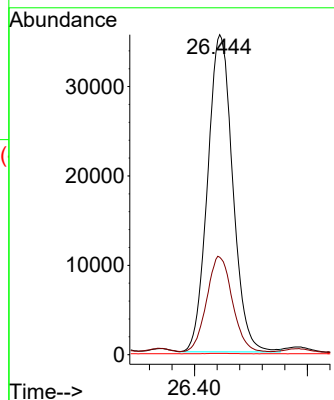
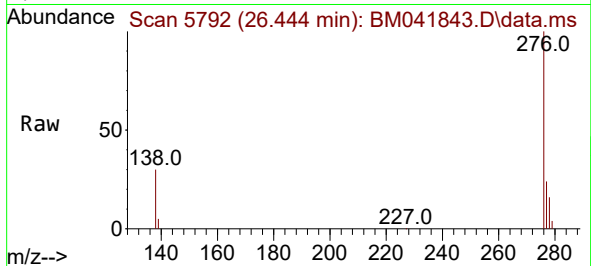




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.065 ng/ul  
 RT: 26.444 min Scan# 51  
 Delta R.T. -0.010 min  
 Lab File: BM041843.D  
 Acq: 13 Sep 2023 23:05

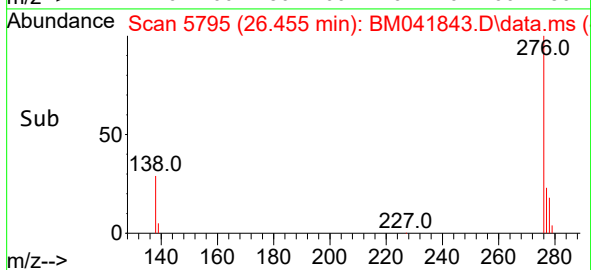
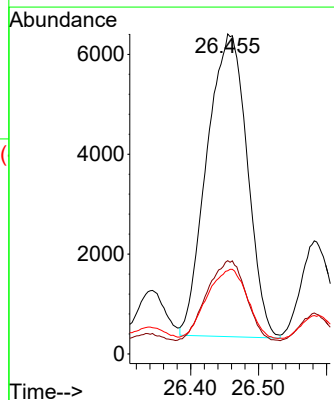
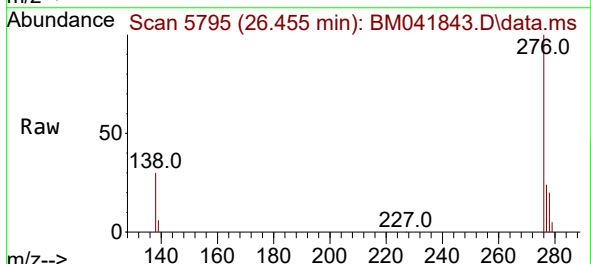
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYD9DL

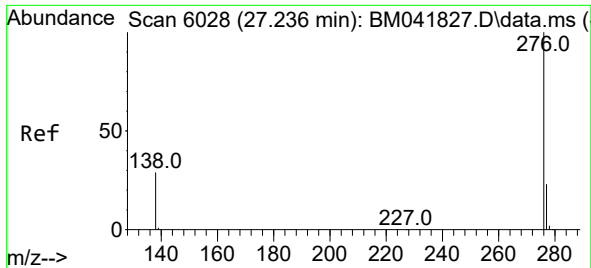
Tgt Ion:276 Resp: 109793  
 Ion Ratio Lower Upper  
 276 100  
 138 30.5 27.7 41.5  
 227 0.2 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.328 ng/ul  
 RT: 26.455 min Scan# 5795  
 Delta R.T. -0.020 min  
 Lab File: BM041843.D  
 Acq: 13 Sep 2023 23:05

Tgt Ion:278 Resp: 24929  
 Ion Ratio Lower Upper  
 278 100  
 139 29.1 20.9 31.3  
 279 26.0 20.3 30.5





#29  
 Benzo(g,h,i)perylene  
 Concen: 1.291 ng/ul  
 RT: 27.229 min Scan# 6026  
 Delta R.T. -0.007 min  
 Lab File: BM041843.D  
 Acq: 13 Sep 2023 23:05

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYD9DL

Tgt Ion:276 Resp: 112560  
 Ion Ratio Lower Upper  
 276 100  
 138 31.5 24.7 37.1  
 277 23.7 19.3 28.9

