

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
 Data File : BM043132.D  
 Acq On : 01 Dec 2023 20:58  
 Operator : MA/JU  
 Sample : 05459-17DL 5X  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA5DL

Quant Time: Dec 02 00:07:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 02 00:03:38 2023  
 Response via : Initial Calibration

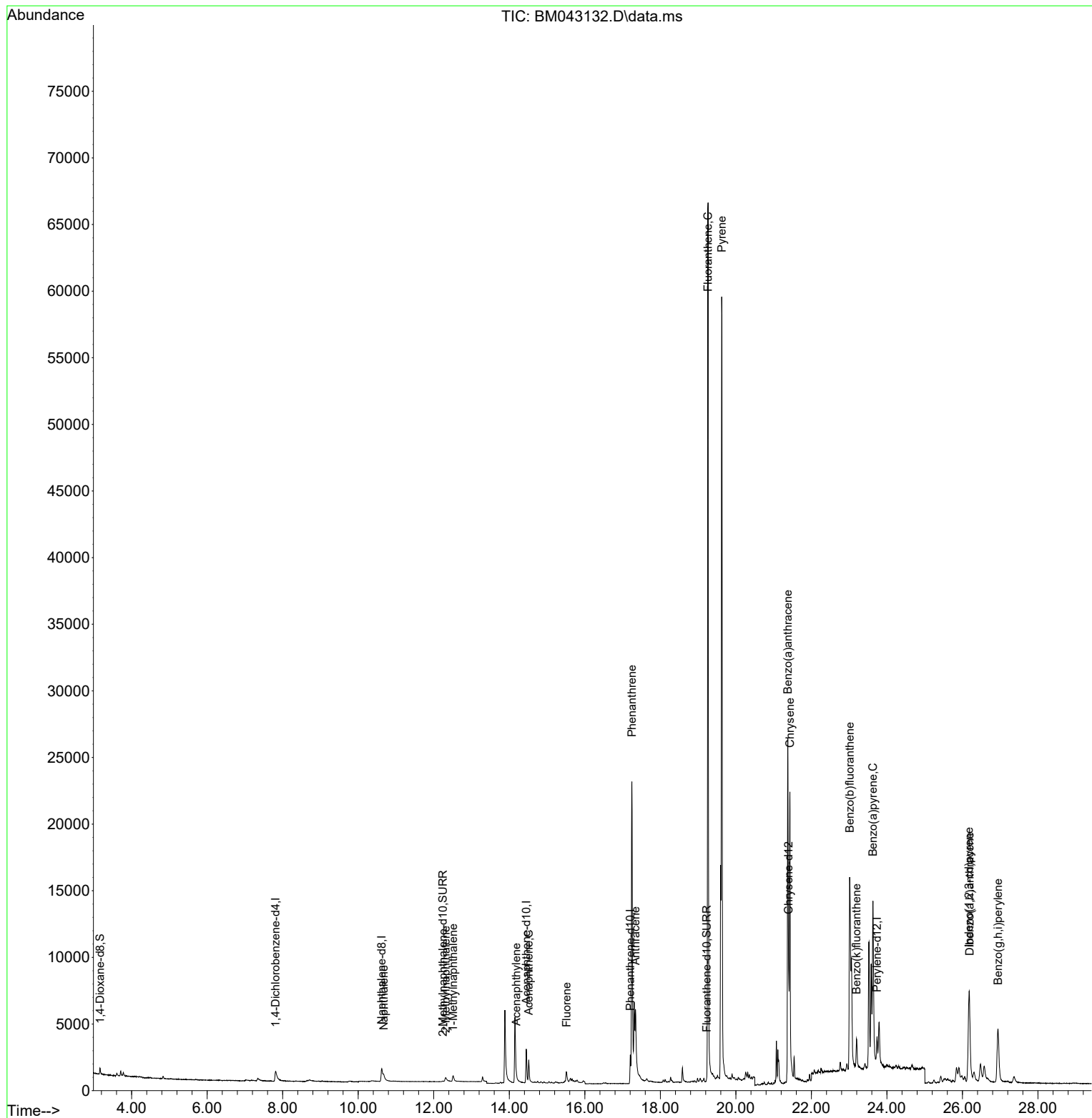
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.809  | 152  | 1098     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.623 | 136  | 2972     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.451 | 164  | 1644     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.205 | 188  | 3248     | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.394 | 240  | 2565     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.738 | 264  | 3581     | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.164  | 96   | 400      | 0.237 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.240 | 152  | 148      | 0.037 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 19.230 | 212  | 348      | 0.037 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.678 | 128  | 902      | 0.112 | ng/ul# | 82       |
| 7) 2-Methylnaphthalene      | 12.317 | 142  | 529      | 0.111 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.515 | 142  | 504      | 0.095 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.183 | 152  | 329      | 0.039 | ng/ul# | 53       |
| 11) Acenaphthene            | 14.516 | 153  | 1196     | 0.188 | ng/ul  | 99       |
| 12) Fluorene                | 15.515 | 166  | 887      | 0.136 | ng/ul# | 94       |
| 15) Phenanthrene            | 17.247 | 178  | 30563    | 3.298 | ng/ul  | 93       |
| 16) Anthracene              | 17.344 | 178  | 9311     | 1.060 | ng/ul  | 94       |
| 19) Fluoranthene            | 19.262 | 202  | 66072    | 4.544 | ng/ul# | 90       |
| 20) Pyrene                  | 19.625 | 202  | 58161    | 3.761 | ng/ul# | 93       |
| 21) Benzo(a)anthracene      | 21.377 | 228  | 26493    | 3.183 | ng/ul  | 95       |
| 22) Chrysene                | 21.429 | 228  | 22644    | 1.461 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.013 | 252  | 28004    | 2.317 | ng/ul  | 82       |
| 25) Benzo(k)fluoranthene    | 23.194 | 252  | 3220     | 0.193 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.630 | 252  | 19433    | 1.473 | ng/ul# | 71       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.175 | 276  | 15094    | 0.846 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.188 | 278  | 3459     | 0.251 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 26.939 | 276  | 10307    | 0.594 | ng/ul# | 91       |
| -----                       |        |      |          |       |        |          |

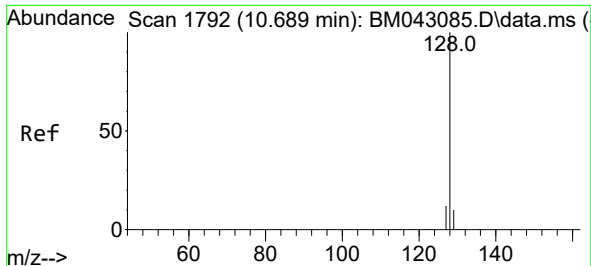
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
Data File : BM043132.D  
Acq On : 01 Dec 2023 20:58  
Operator : MA/JU  
Sample : 05459-17DL 5X  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5DL

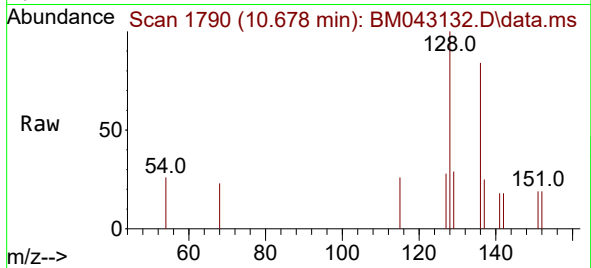
Quant Time: Dec 02 00:07:51 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 02 00:03:38 2023  
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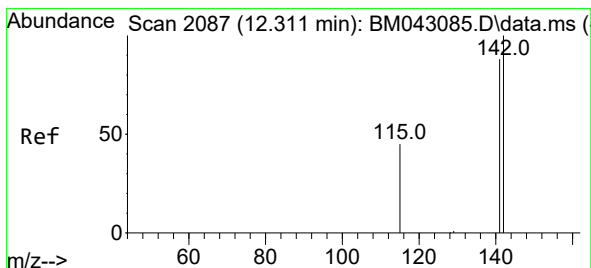
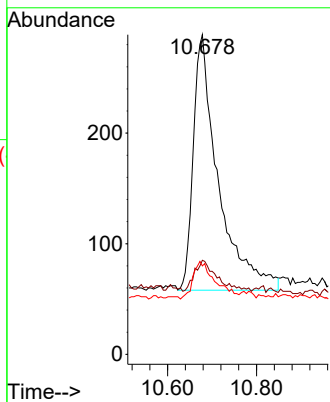
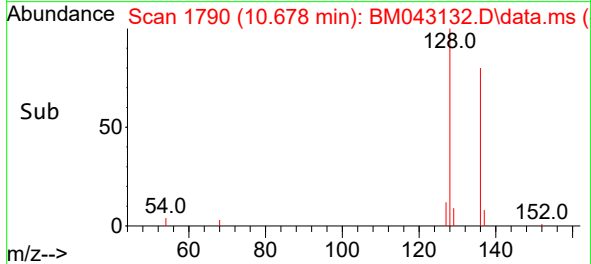


#5  
Naphthalene  
Concen: 0.112 ng/ul  
RT: 10.678 min Scan# 11  
Delta R.T. 0.011 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

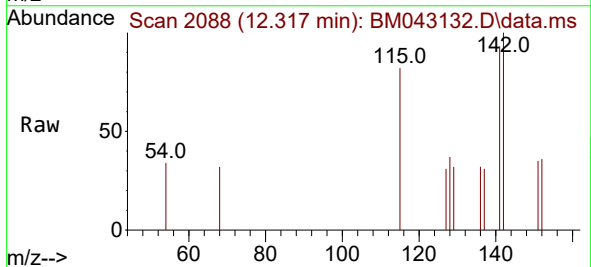
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ClientSampleId :  
C0AA5DL



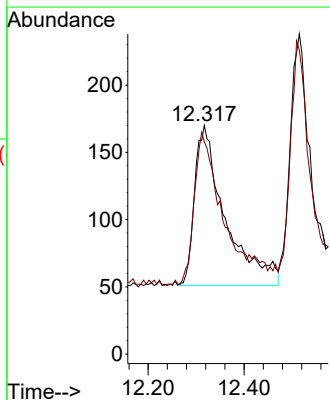
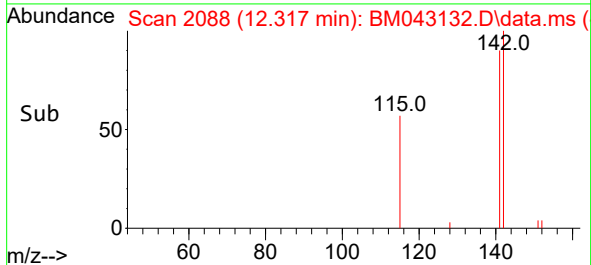
Tgt Ion:128 Resp: 902  
Ion Ratio Lower Upper  
128 100  
129 29.4 16.0 24.0#  
127 27.7 16.5 24.7#

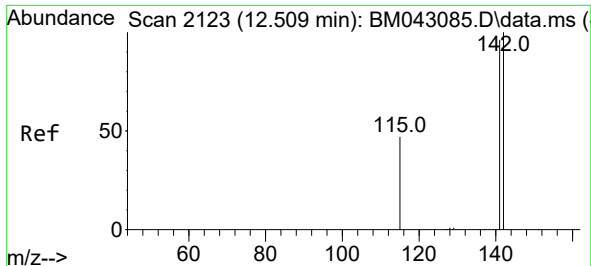


#7  
2-Methylnaphthalene  
Concen: 0.111 ng/ul  
RT: 12.317 min Scan# 2088  
Delta R.T. 0.022 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58



Tgt Ion:142 Resp: 529  
Ion Ratio Lower Upper  
142 100  
141 93.2 76.1 114.1

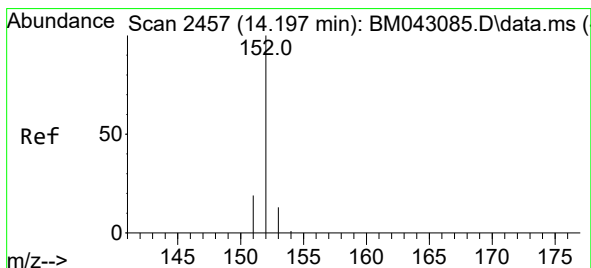
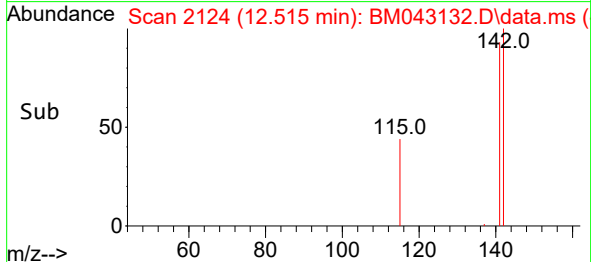
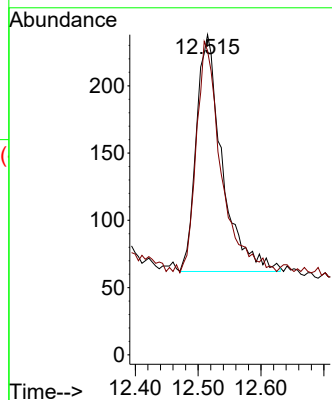
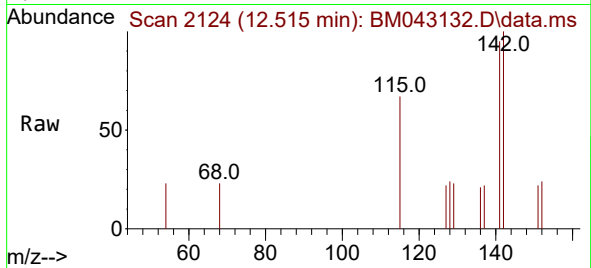




#8  
1-Methylnaphthalene  
Concen: 0.095 ng/ul  
RT: 12.515 min Scan# 2123  
Delta R.T. 0.017 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

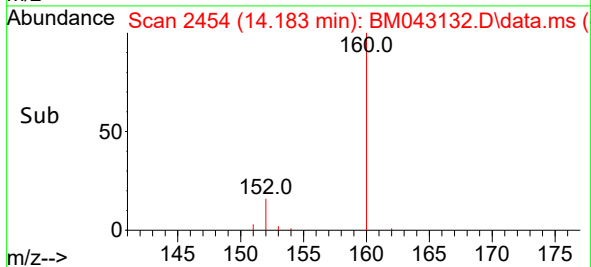
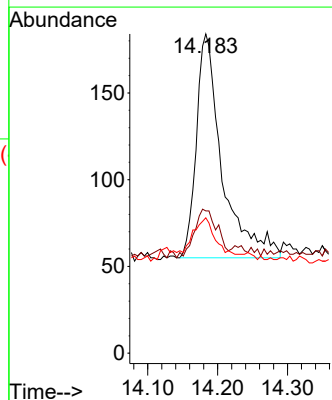
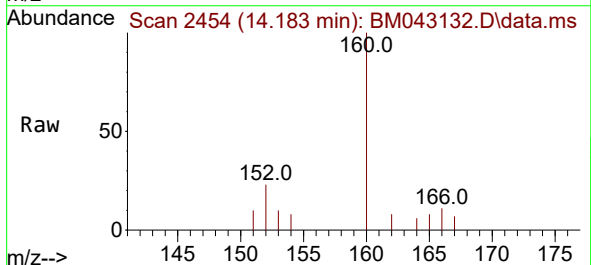
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5DL

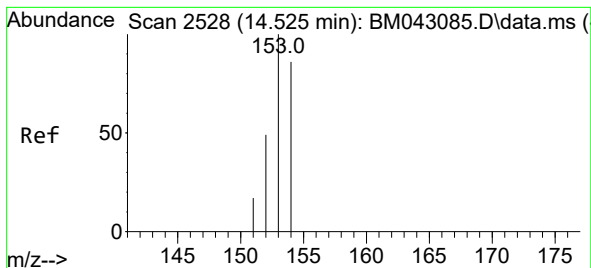
Tgt Ion:142 Resp: 504  
Ion Ratio Lower Upper  
142 100  
141 92.5 73.8 110.8



#10  
Acenaphthylene  
Concen: 0.039 ng/ul  
RT: 14.183 min Scan# 2454  
Delta R.T. 0.000 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

Tgt Ion:152 Resp: 329  
Ion Ratio Lower Upper  
152 100  
151 44.6 19.4 29.0#  
153 42.4 14.6 21.8#





#11

Acenaphthene

Concen: 0.188 ng/ul

RT: 14.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043132.D

Acq: 01 Dec 2023 20:58

Instrument :

BNA\_M

ClientSampleId :

C0AA5DL

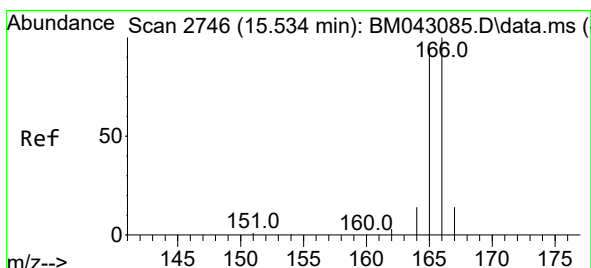
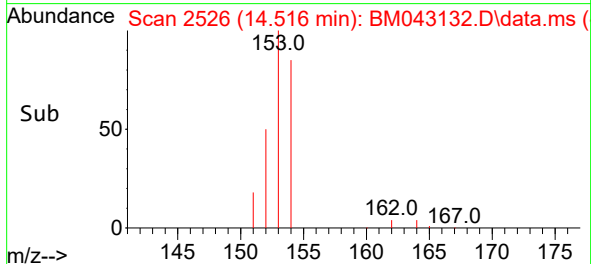
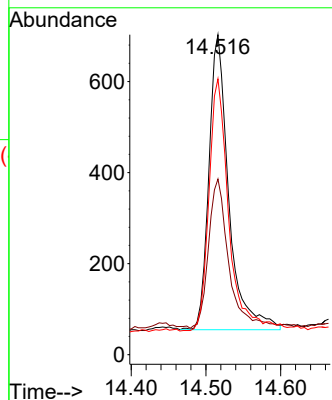
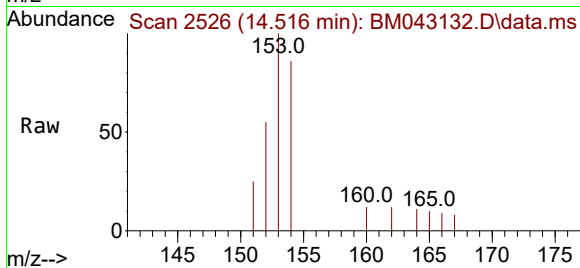
Tgt Ion:153 Resp: 1196

Ion Ratio Lower Upper

153 100

152 54.9 43.9 65.9

154 86.2 70.6 105.8



#12

Fluorene

Concen: 0.136 ng/ul

RT: 15.515 min Scan# 2742

Delta R.T. 0.000 min

Lab File: BM043132.D

Acq: 01 Dec 2023 20:58

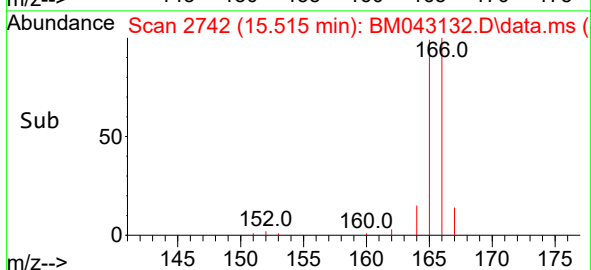
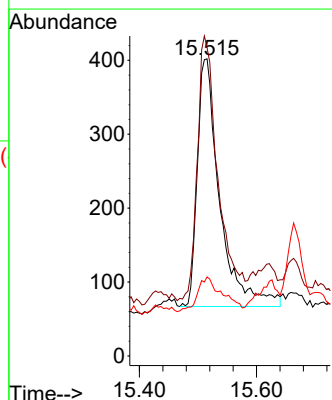
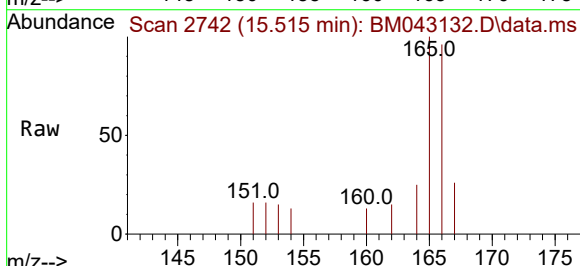
Tgt Ion:166 Resp: 887

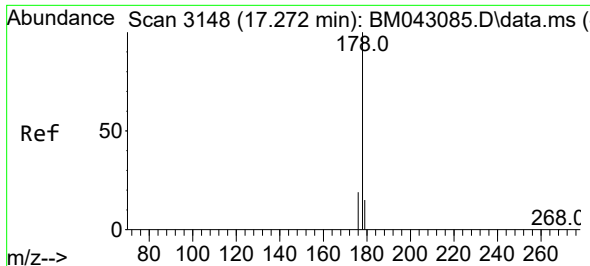
Ion Ratio Lower Upper

166 100

165 103.7 79.9 119.9

167 26.6 14.2 21.4#

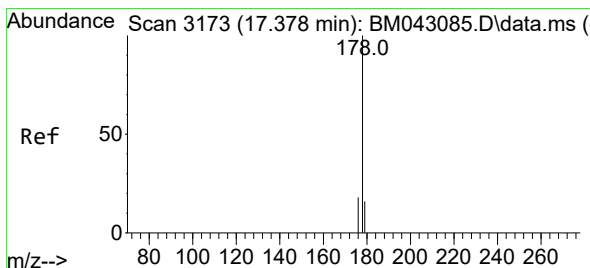
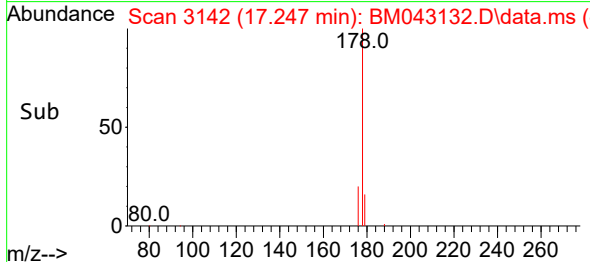
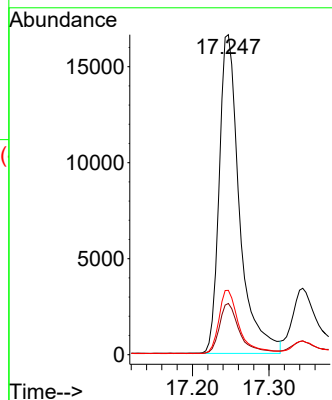
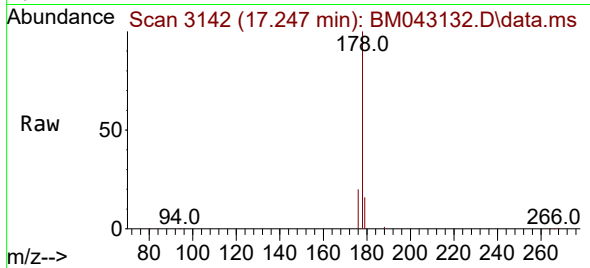




#15  
Phenanthrene  
Concen: 3.298 ng/ul  
RT: 17.247 min Scan# 3142  
Delta R.T. -0.012 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

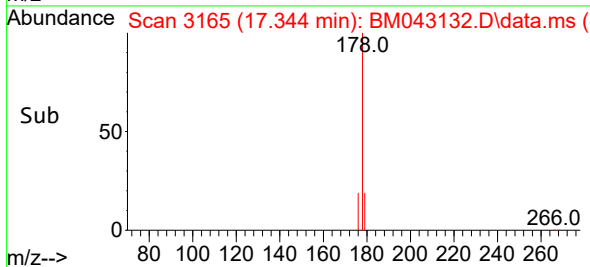
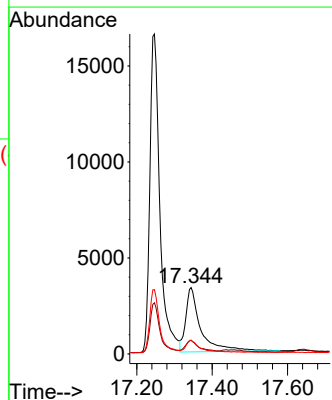
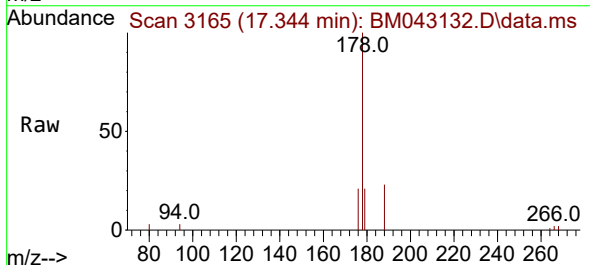
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5DL

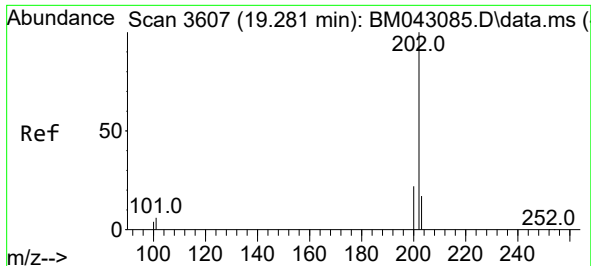
Tgt Ion:178 Resp: 30563  
Ion Ratio Lower Upper  
178 100  
179 16.0 15.7 23.5  
176 20.1 18.9 28.3



#16  
Anthracene  
Concen: 1.060 ng/ul  
RT: 17.344 min Scan# 3165  
Delta R.T. -0.017 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

Tgt Ion:178 Resp: 9311  
Ion Ratio Lower Upper  
178 100  
179 20.8 17.3 25.9  
176 20.6 20.5 30.7

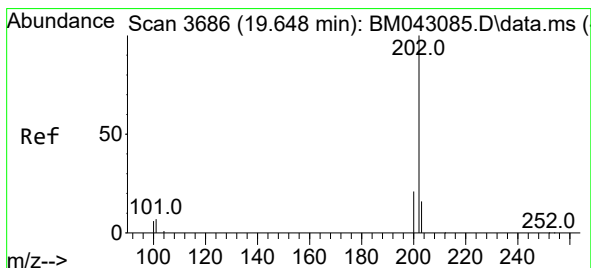
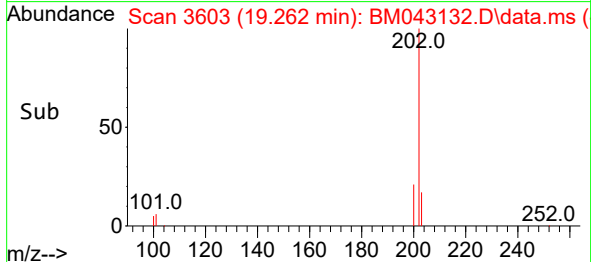
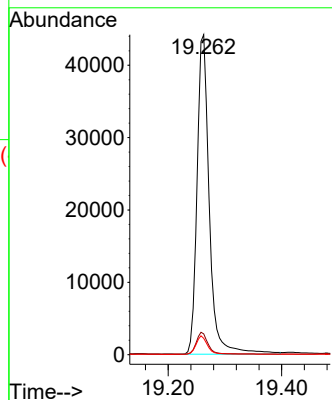
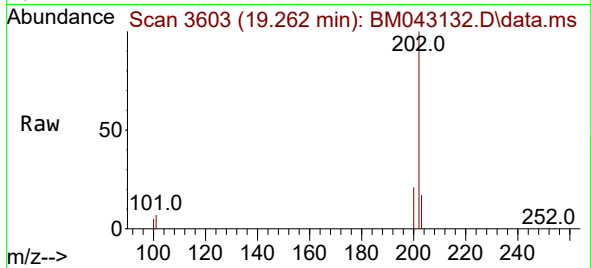




#19  
Fluoranthene  
Concen: 4.544 ng/ul  
RT: 19.262 min Scan# 3603  
Delta R.T. -0.009 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

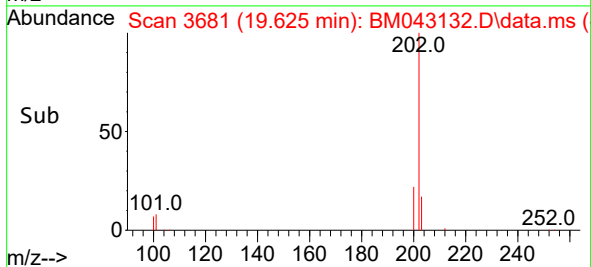
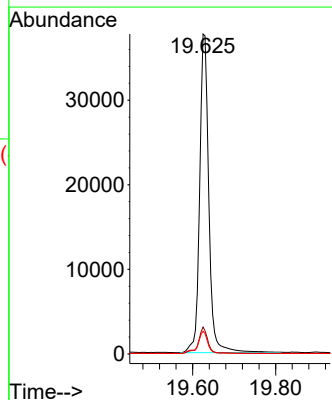
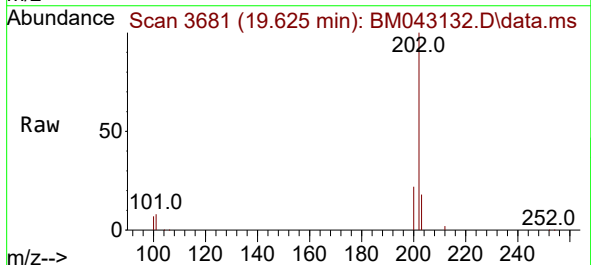
Instrument :  
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ClientSampleId :  
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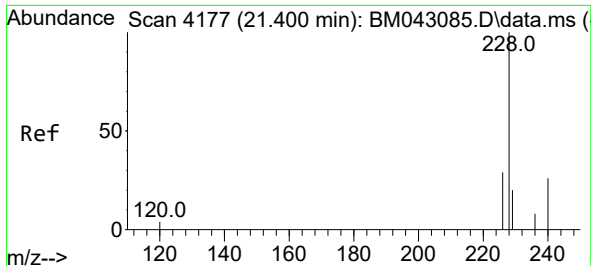
Tgt Ion:202 Resp: 66072  
Ion Ratio Lower Upper  
202 100  
101 6.5 7.8 11.8#  
100 5.1 7.1 10.7#



#20  
Pyrene  
Concen: 3.761 ng/ul  
RT: 19.625 min Scan# 3681  
Delta R.T. -0.014 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

Tgt Ion:202 Resp: 58161  
Ion Ratio Lower Upper  
202 100  
101 8.4 8.7 13.1#  
100 7.1 7.8 11.8#

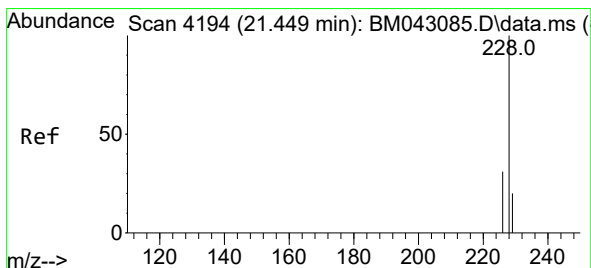
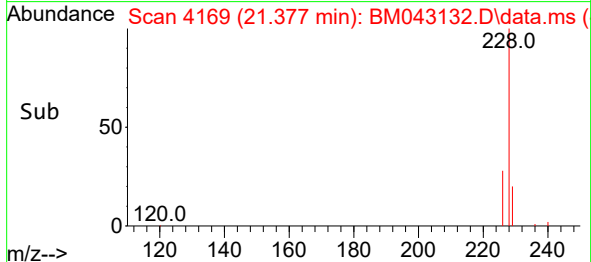
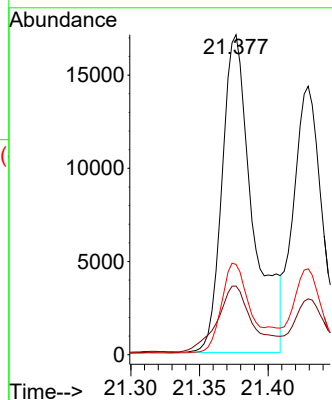
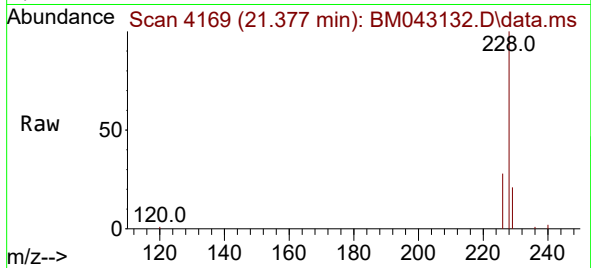




#21  
Benzo(a)anthracene  
Concen: 3.183 ng/ul  
RT: 21.377 min Scan# 411  
Delta R.T. -0.011 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

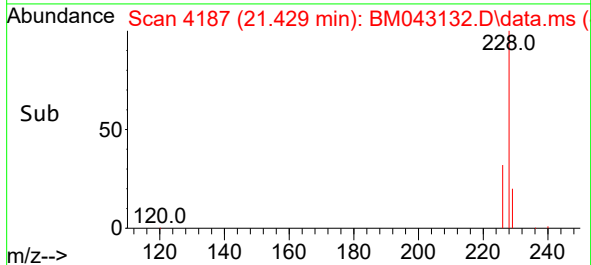
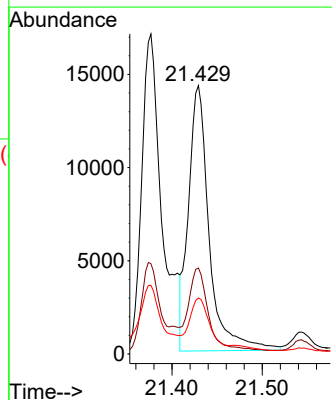
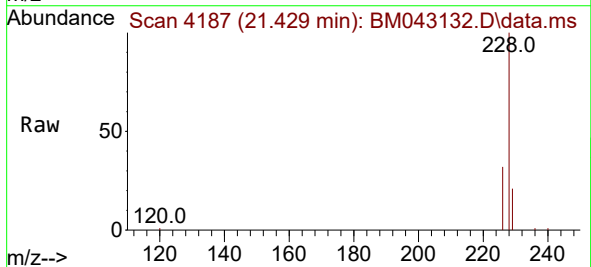
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5DL

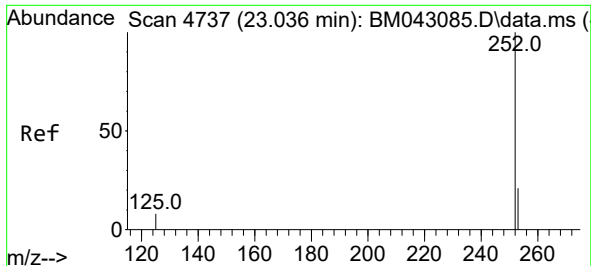
Tgt Ion:228 Resp: 26493  
Ion Ratio Lower Upper  
228 100  
229 21.5 19.4 29.0  
226 28.2 24.9 37.3



#22  
Chrysene  
Concen: 1.461 ng/ul  
RT: 21.429 min Scan# 4187  
Delta R.T. -0.009 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

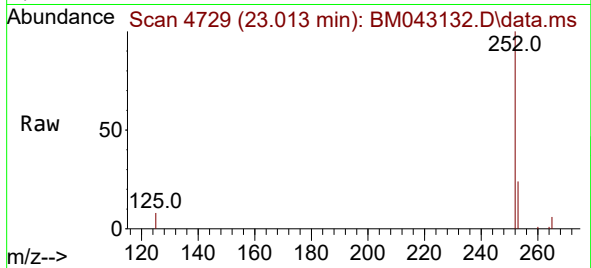
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Ion Ratio Lower Upper  
228 100  
226 32.0 27.2 40.8  
229 20.8 18.0 27.0



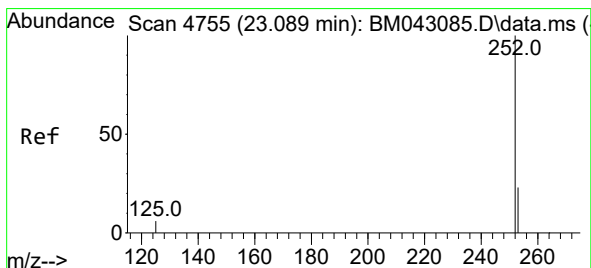
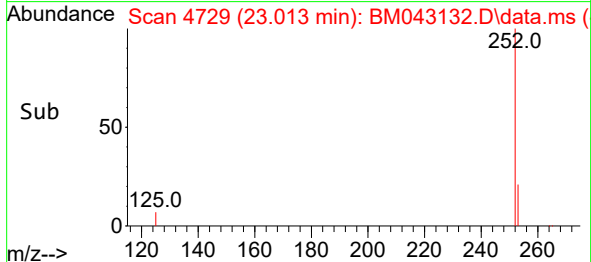
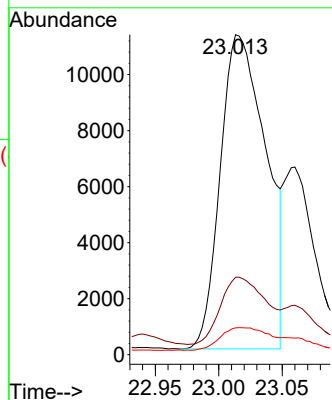


#24  
Benzo(b)fluoranthene  
Concen: 2.317 ng/ul  
RT: 23.013 min Scan# 4729  
Delta R.T. -0.014 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5DL

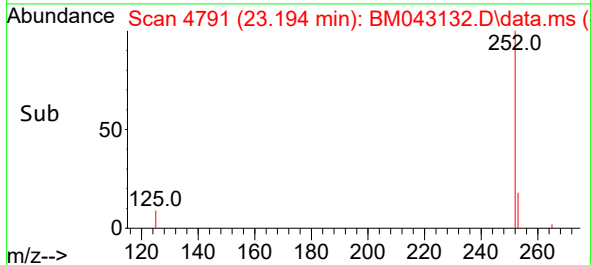
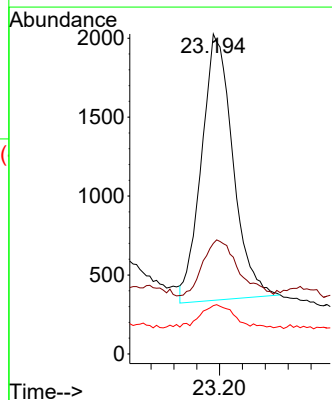
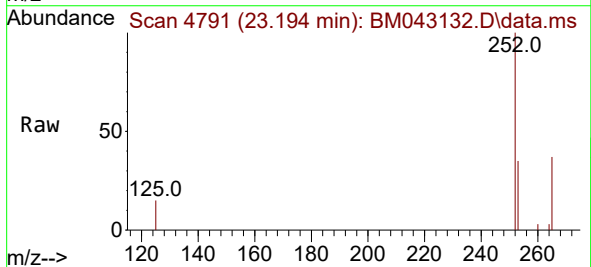


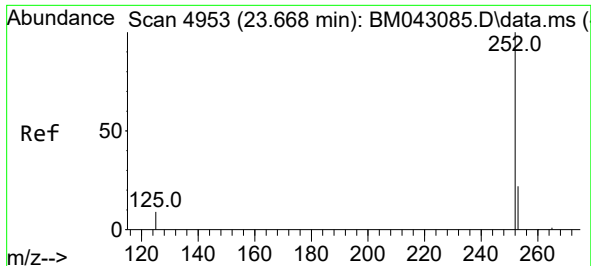
Tgt Ion:252 Resp: 28004  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 71.8  
125 8.4 0.0 29.0



#25  
Benzo(k)fluoranthene  
Concen: 0.193 ng/ul  
RT: 23.194 min Scan# 4791  
Delta R.T. 0.117 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

Tgt Ion:252 Resp: 3220  
Ion Ratio Lower Upper  
252 100  
253 34.5 28.2 42.2  
125 15.1 11.0 16.6

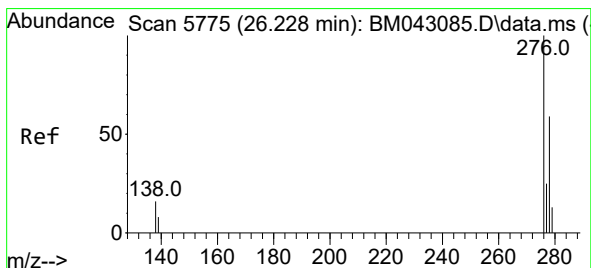
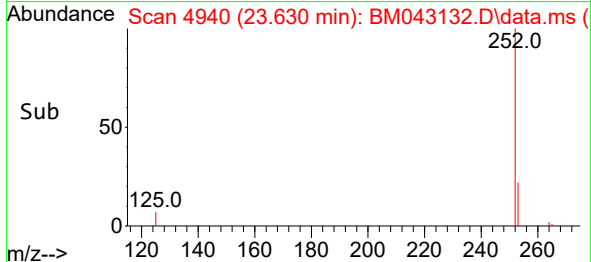
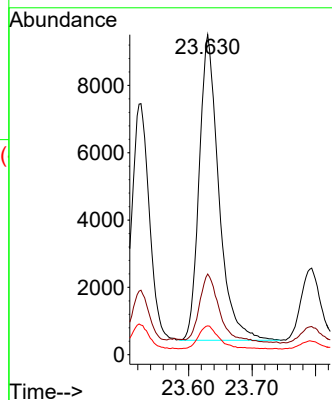
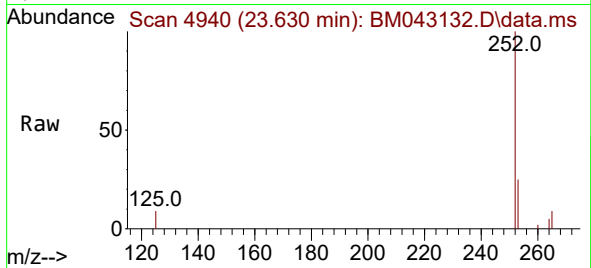




#26  
Benzo(a)pyrene  
Concen: 1.473 ng/ul  
RT: 23.630 min Scan# 4953  
Delta R.T. -0.020 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

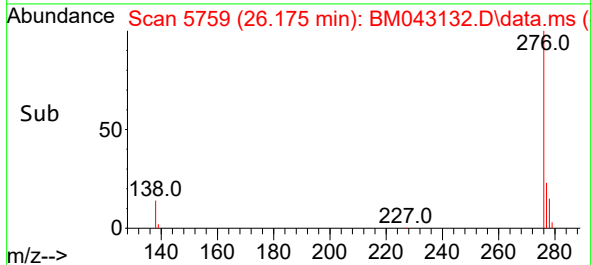
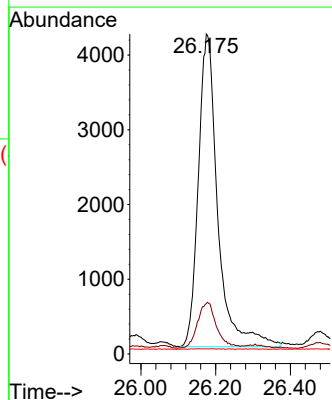
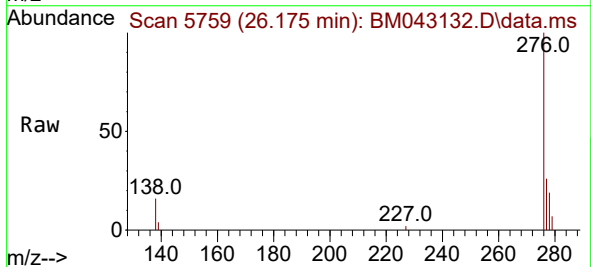
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA5DL

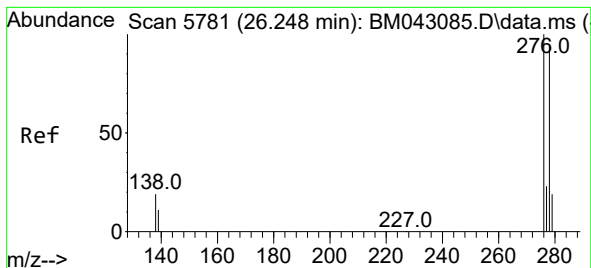
Tgt Ion:252 Resp: 19433  
Ion Ratio Lower Upper  
252 100  
253 25.2 36.6 55.0#  
125 9.0 16.2 24.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.846 ng/ul  
RT: 26.175 min Scan# 5759  
Delta R.T. -0.030 min  
Lab File: BM043132.D  
Acq: 01 Dec 2023 20:58

Tgt Ion:276 Resp: 15094  
Ion Ratio Lower Upper  
276 100  
138 14.6 0.0 0.0#  
227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.251 ng/ul

RT: 26.188 min Scan# 51

Delta R.T. -0.023 min

Lab File: BM043132.D

Acq: 01 Dec 2023 20:58

Instrument :

BNA\_M

ClientSampleId :

C0AA5DL

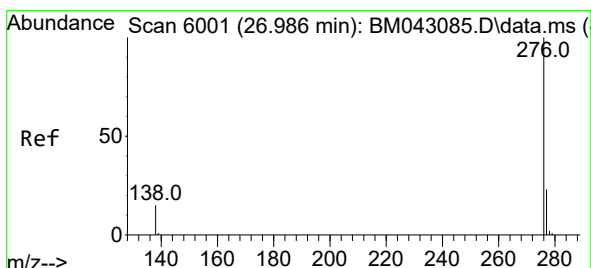
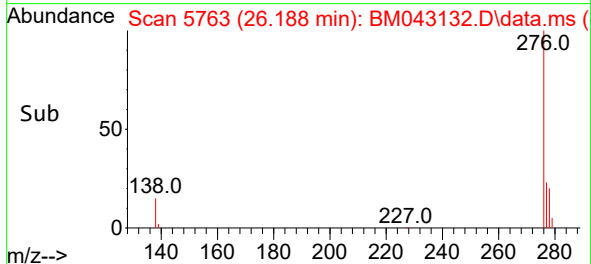
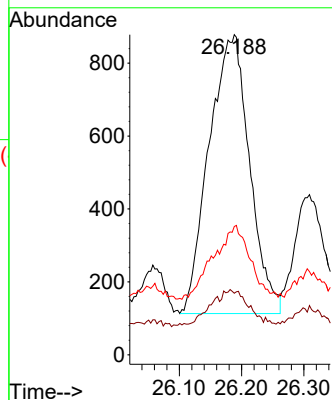
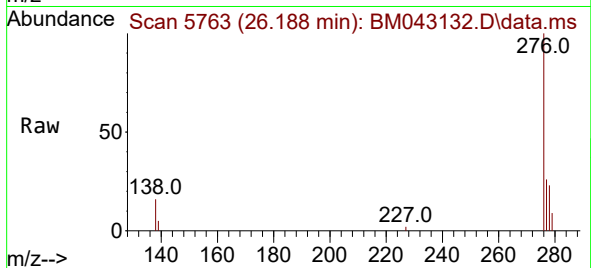
Tgt Ion:278 Resp: 3459

Ion Ratio Lower Upper

278 100

139 19.2 18.1 27.1

279 40.1 34.4 51.6



#29

Benzo(g,h,i)perylene

Concen: 0.594 ng/ul

RT: 26.939 min Scan# 5987

Delta R.T. -0.020 min

Lab File: BM043132.D

Acq: 01 Dec 2023 20:58

Tgt Ion:276 Resp: 10307

Ion Ratio Lower Upper

276 100

138 17.8 17.8 26.8#

277 25.3 23.8 35.8

