

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072924\  
 Data File : BM046924.D  
 Acq On : 30 Jul 2024 18:10  
 Operator : MA/JU  
 Sample : P3336-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F7E43

Quant Time: Jul 31 00:00:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 04:18:24 2024  
 Response via : Initial Calibration

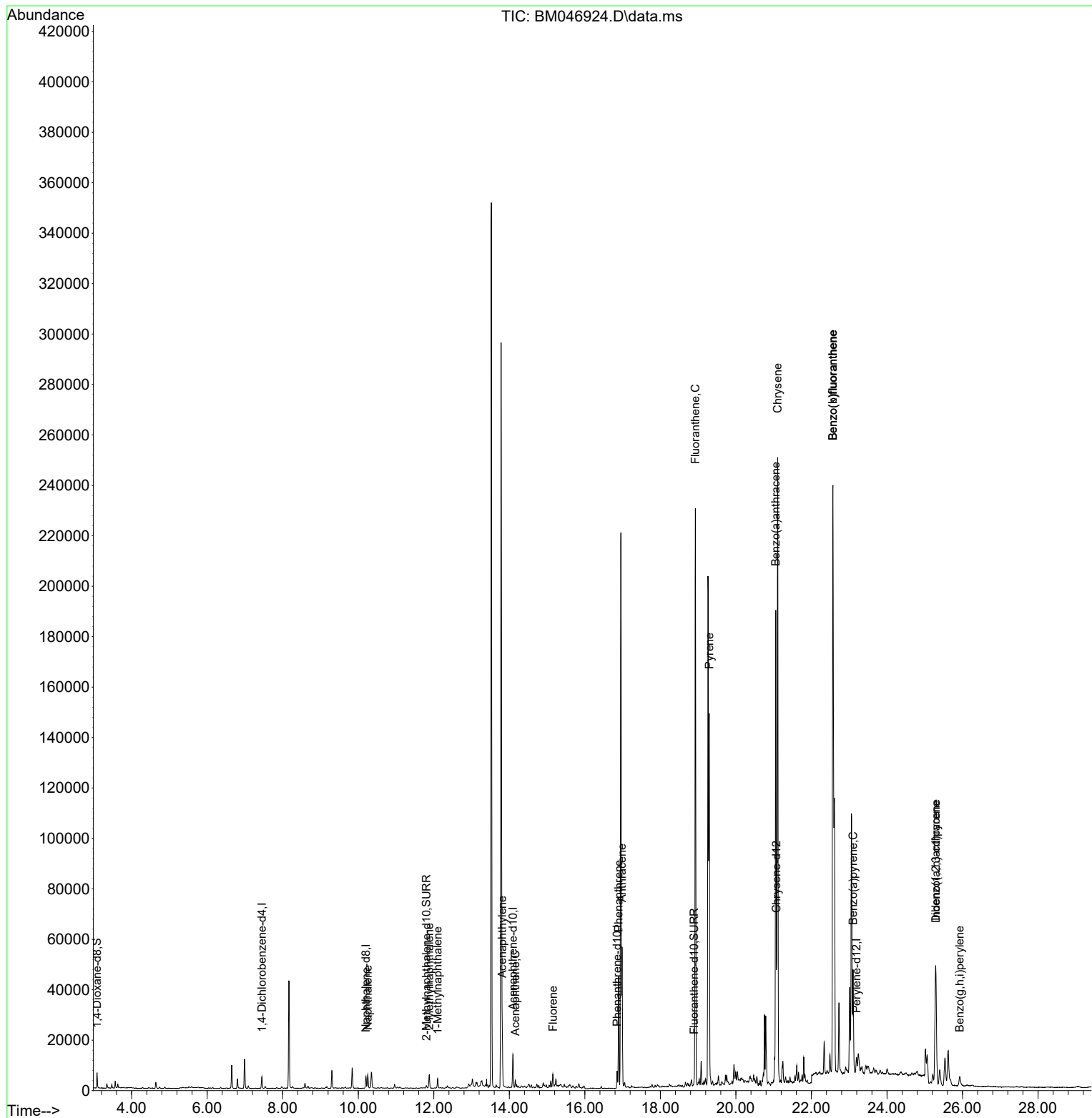
| Compound                    | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| Internal Standards          |        |      |          |        |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.447  | 152  | 2101     | 0.400  | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.204 | 136  | 5843     | 0.400  | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.098 | 164  | 7029     | 0.400  | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.853 | 188  | 8531     | 0.400  | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.070 | 240  | 6645     | 0.400  | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.192 | 264  | 7092     | 0.400  | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 3) 1,4-Dioxane-d8           | 3.084  | 96   | 3592     | 2.442  | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.804 | 152  | 1410     | 0.152  | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 18.894 | 212  | 3327     | 0.154  | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        | Qvalue  |          |
| 5) Naphthalene              | 10.253 | 128  | 7022     | 0.475  | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 11.881 | 142  | 3764     | 0.370  | ng/ul   | 98       |
| 8) 1-Methylnaphthalene      | 12.101 | 142  | 2663     | 0.253  | ng/ul   | 99       |
| 10) Acenaphthylene          | 13.811 | 152  | 24780    | 0.770  | ng/ul   | 99       |
| 11) Acenaphthene            | 14.158 | 153  | 1688     | 0.077  | ng/ul   | 95       |
| 12) Fluorene                | 15.158 | 166  | 2594     | 0.095  | ng/ul#  | 89       |
| 15) Phenanthrene            | 16.895 | 178  | 45519    | 1.856  | ng/ul   | 98       |
| 16) Anthracene              | 16.984 | 178  | 55804    | 2.445  | ng/ul   | 99       |
| 19) Fluoranthene            | 18.926 | 202  | 210437   | 7.211  | ng/ul   | 98       |
| 20) Pyrene                  | 19.293 | 202  | 132841   | 4.400  | ng/ul   | 97       |
| 21) Benzo(a)anthracene      | 21.053 | 228  | 158948   | 5.740  | ng/ul   | 98       |
| 22) Chrysene                | 21.105 | 228  | 246792   | 8.774  | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 22.569 | 252  | 482007   | 15.481 | ng/ul   | 90       |
| 25) Benzo(k)fluoranthene    | 22.569 | 252  | 482007   | 15.362 | ng/ul#  | 87       |
| 26) Benzo(a)pyrene          | 23.101 | 252  | 53644    | 2.400  | ng/ul#  | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.289 | 276  | 66769    | 1.941  | ng/ul   | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.293 | 278  | 29448    | 1.169  | ng/ul   | 96       |
| 29) Benzo(g,h,i)perylene    | 25.923 | 276  | 8033     | 0.265  | ng/ul#  | 89       |

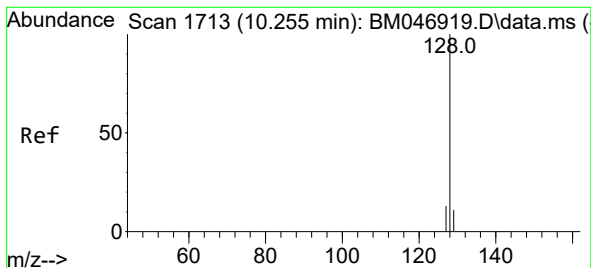
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072924\  
Data File : BM046924.D  
Acq On : 30 Jul 2024 18:10  
Operator : MA/JU  
Sample : P3336-15  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F7E43

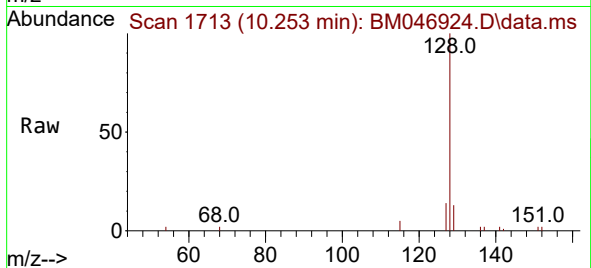
Quant Time: Jul 31 00:00:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 30 04:18:24 2024  
Response via : Initial Calibration



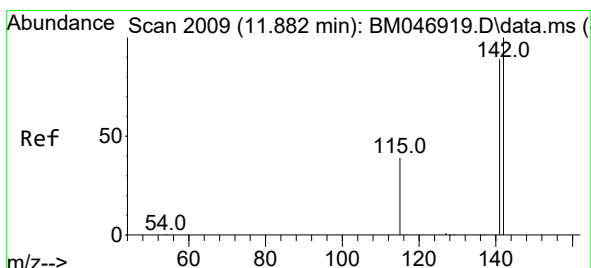
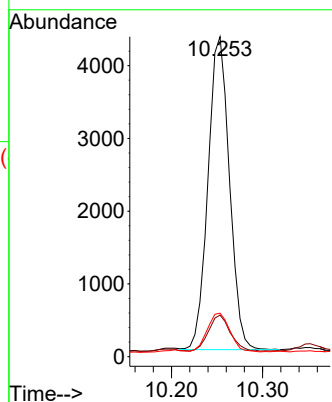
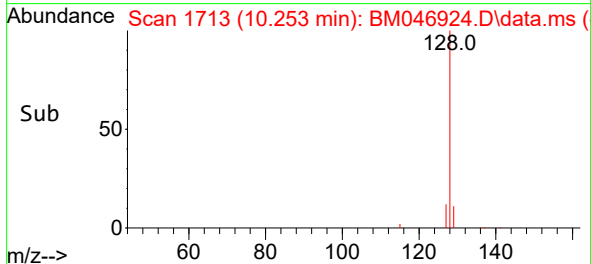


#5  
Naphthalene  
Concen: 0.475 ng/ul  
RT: 10.253 min Scan# 1713  
Delta R.T. -0.007 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Instrument :  
BNA\_M  
ClientSampleId :  
F7E43

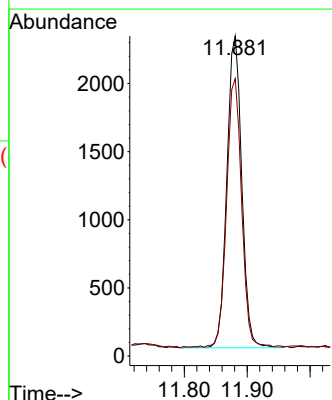
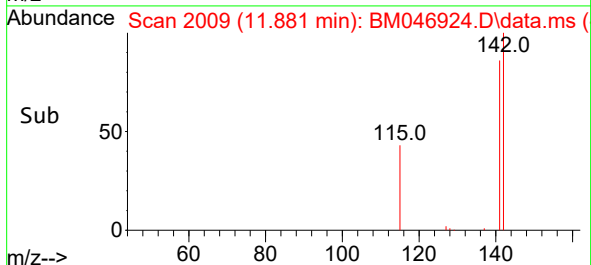
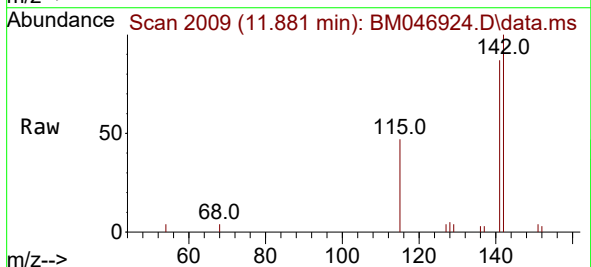


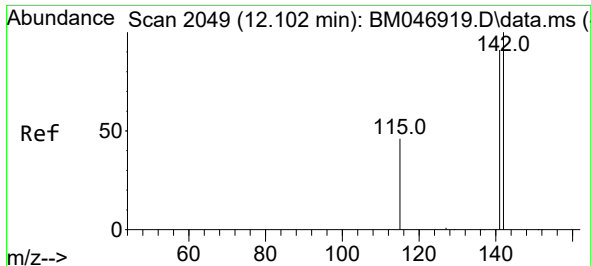
Tgt Ion:128 Resp: 7022  
Ion Ratio Lower Upper  
128 100  
129 13.0 10.1 15.1  
127 13.6 11.5 17.3



#7  
2-Methylnaphthalene  
Concen: 0.370 ng/ul  
RT: 11.881 min Scan# 2009  
Delta R.T. -0.007 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:142 Resp: 3764  
Ion Ratio Lower Upper  
142 100  
141 86.5 70.5 105.7

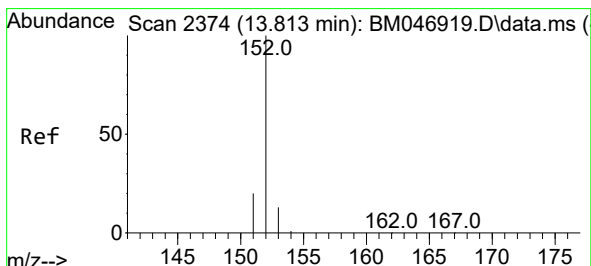
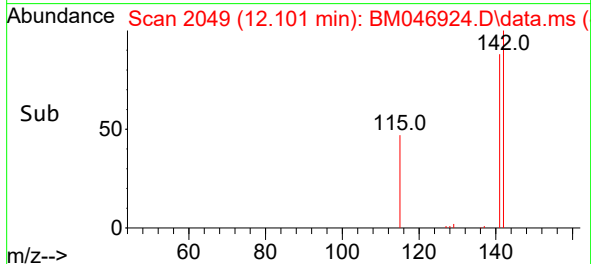
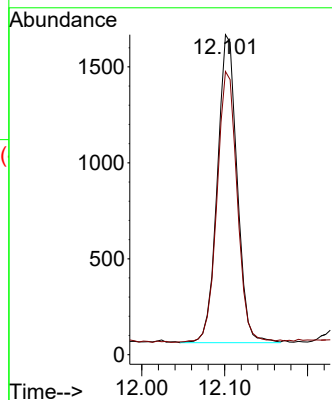
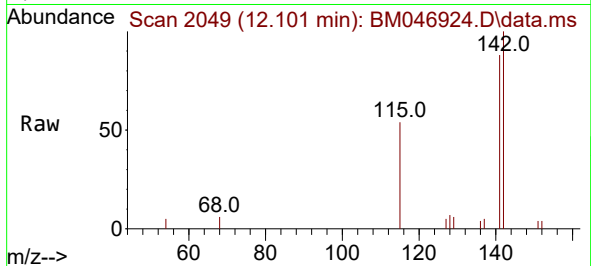




#8  
1-Methylnaphthalene  
Concen: 0.253 ng/ul  
RT: 12.101 min Scan# 2049  
Delta R.T. -0.007 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

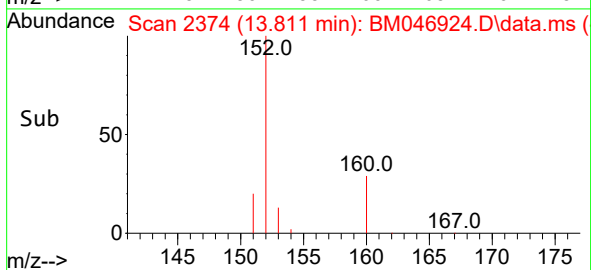
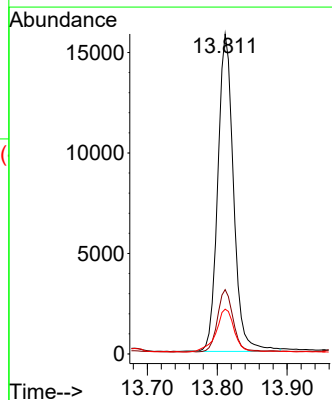
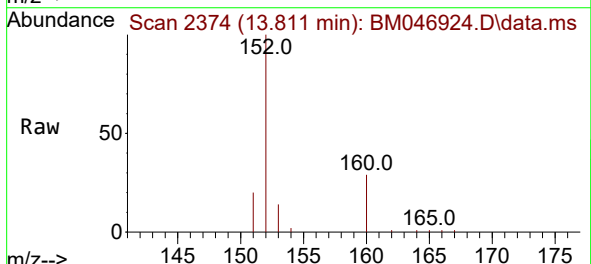
Instrument :  
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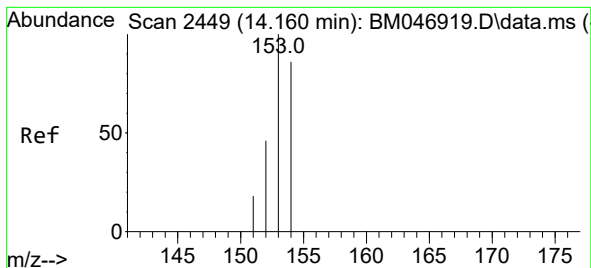
Tgt Ion:142 Resp: 2663  
Ion Ratio Lower Upper  
142 100  
141 90.5 73.1 109.7



#10  
Acenaphthylene  
Concen: 0.770 ng/ul  
RT: 13.811 min Scan# 2374  
Delta R.T. -0.006 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:152 Resp: 24780  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.8 25.2  
153 14.0 11.0 16.6





#11

Acenaphthene

Concen: 0.077 ng/ul

RT: 14.158 min Scan# 2449

Delta R.T. -0.006 min

Lab File: BM046924.D

Acq: 30 Jul 2024 18:10

Instrument :

BNA\_M

ClientSampleId :

F7E43

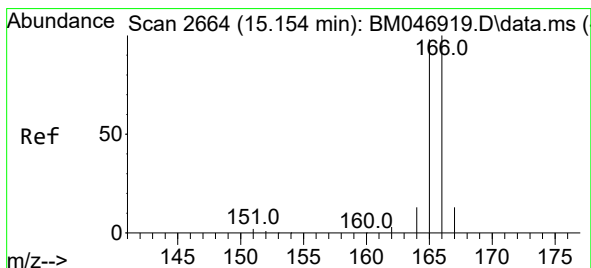
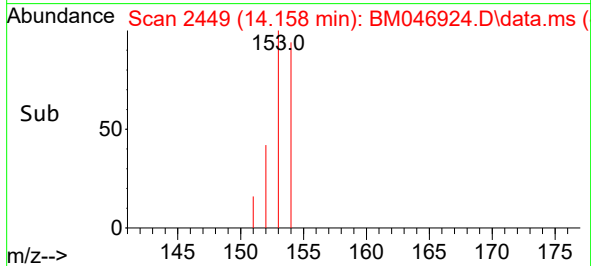
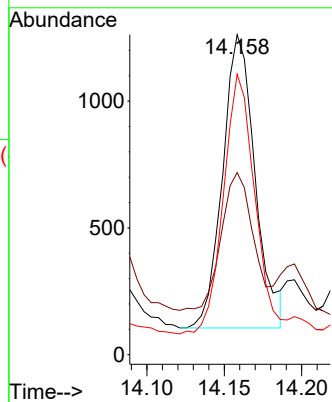
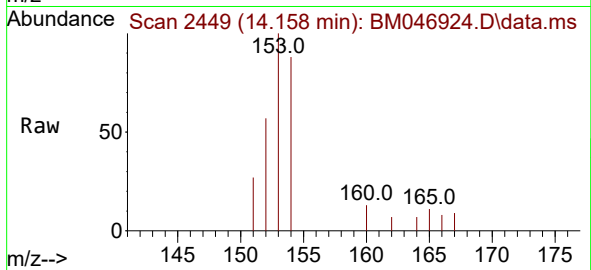
Tgt Ion:153 Resp: 1688

Ion Ratio Lower Upper

153 100

152 56.9 38.6 57.8

154 87.6 70.8 106.2



#12

Fluorene

Concen: 0.095 ng/ul

RT: 15.158 min Scan# 2665

Delta R.T. -0.006 min

Lab File: BM046924.D

Acq: 30 Jul 2024 18:10

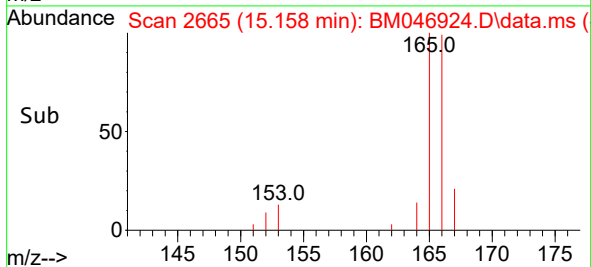
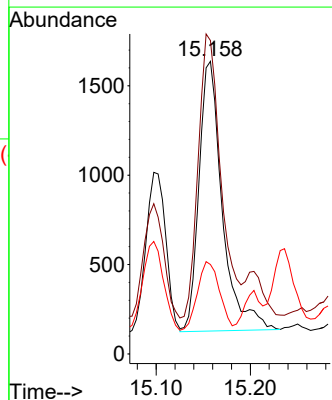
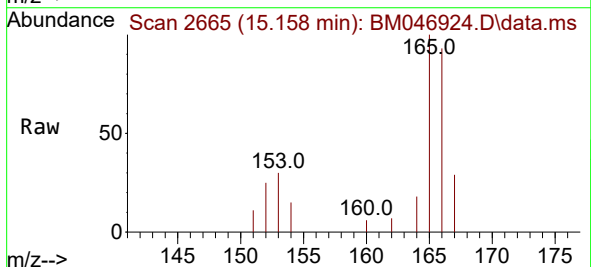
Tgt Ion:166 Resp: 2594

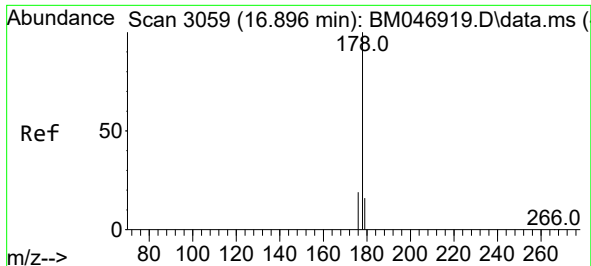
Ion Ratio Lower Upper

166 100

165 107.1 79.8 119.6

167 30.5 12.3 18.5#

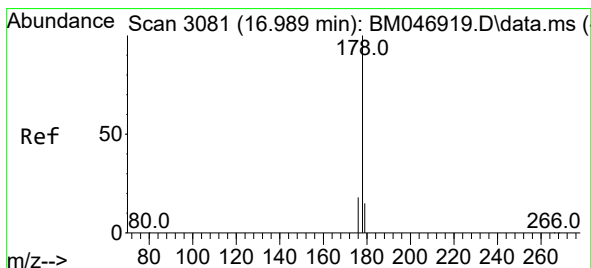
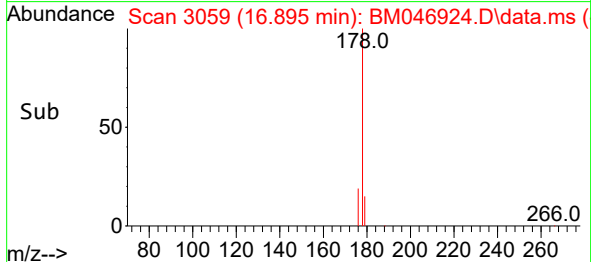
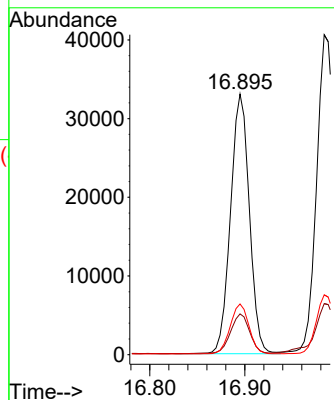
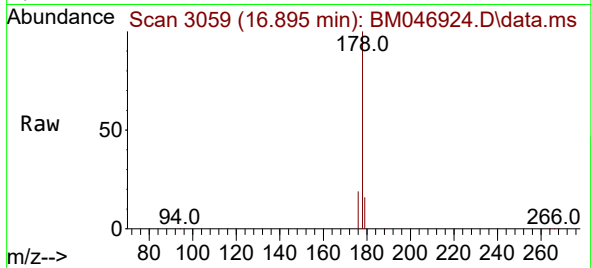




#15  
Phenanthrene  
Concen: 1.856 ng/ul  
RT: 16.895 min Scan# 3059  
Delta R.T. -0.006 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

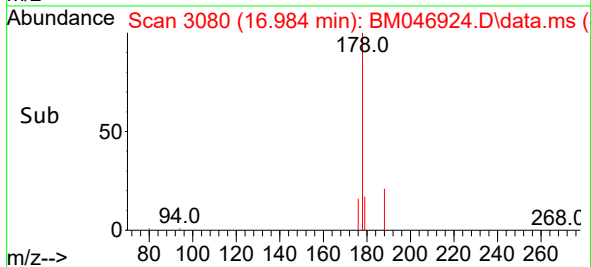
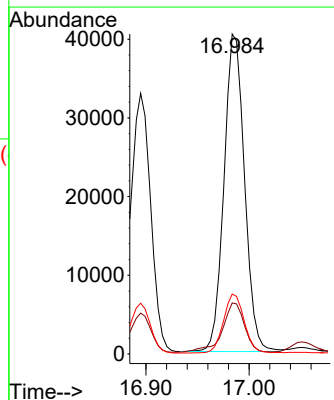
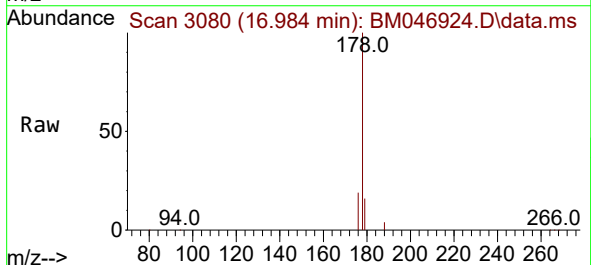
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ClientSampleId :  
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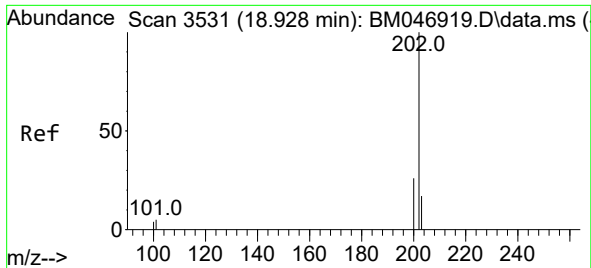
Tgt Ion:178 Resp: 45519  
Ion Ratio Lower Upper  
178 100  
179 15.7 13.4 20.2  
176 19.4 16.1 24.1



#16  
Anthracene  
Concen: 2.445 ng/ul  
RT: 16.984 min Scan# 3080  
Delta R.T. -0.010 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:178 Resp: 55804  
Ion Ratio Lower Upper  
178 100  
179 15.9 13.1 19.7  
176 18.7 15.0 22.6

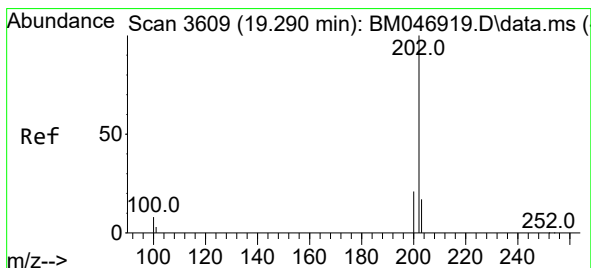
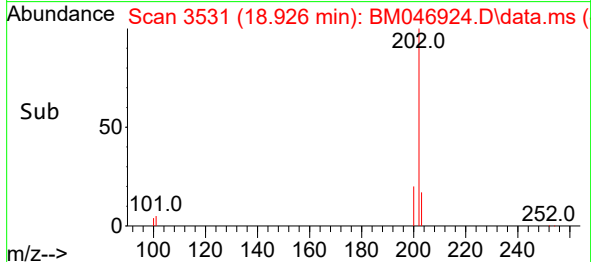
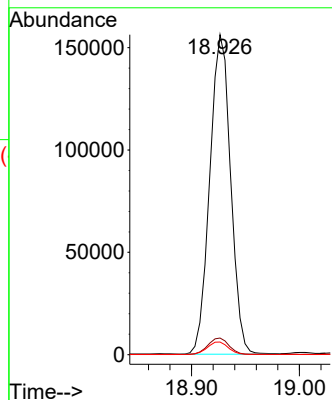
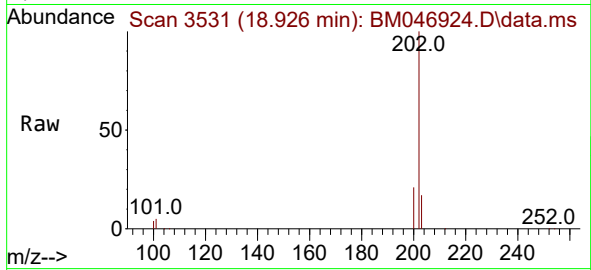




#19  
Fluoranthene  
Concen: 7.211 ng/ul  
RT: 18.926 min Scan# 3531  
Delta R.T. -0.006 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

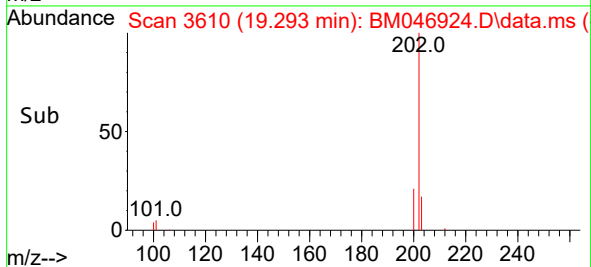
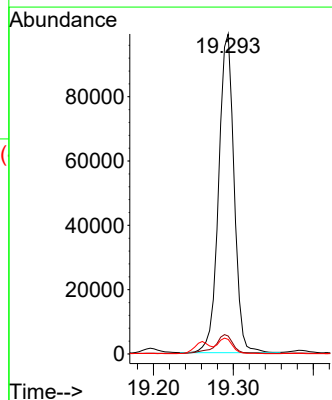
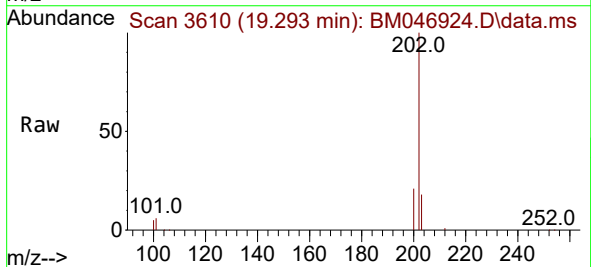
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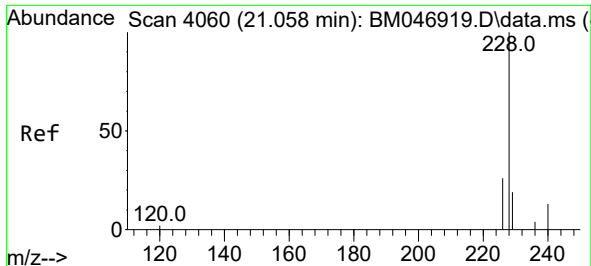
Tgt Ion:202 Resp: 210437  
Ion Ratio Lower Upper  
202 100  
101 5.2 4.7 7.1  
100 3.9 3.4 5.2



#20  
Pyrene  
Concen: 4.400 ng/ul  
RT: 19.293 min Scan# 3610  
Delta R.T. -0.001 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:202 Resp: 132841  
Ion Ratio Lower Upper  
202 100  
101 5.6 5.2 7.8  
100 4.6 4.3 6.5

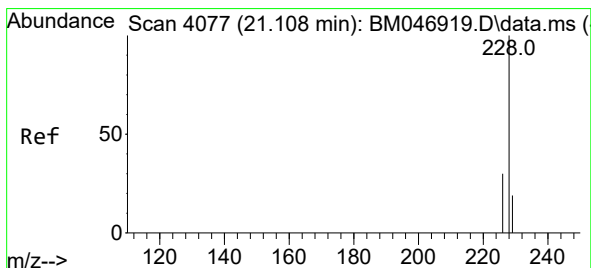
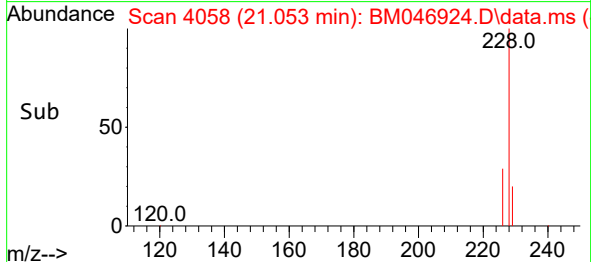
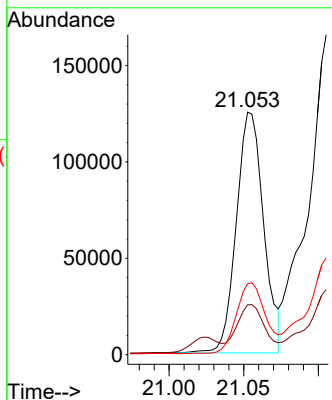
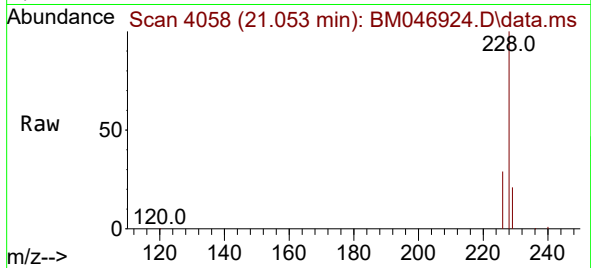




#21  
Benzo(a)anthracene  
Concen: 5.740 ng/ul  
RT: 21.053 min Scan# 4060  
Delta R.T. -0.006 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

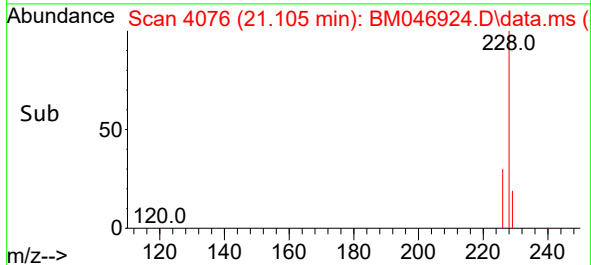
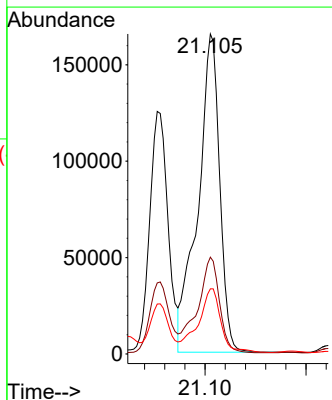
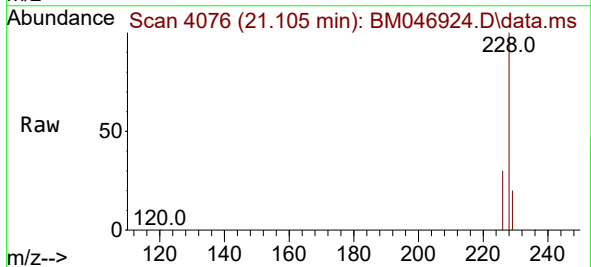
Instrument :  
BNA\_M  
ClientSampleId :  
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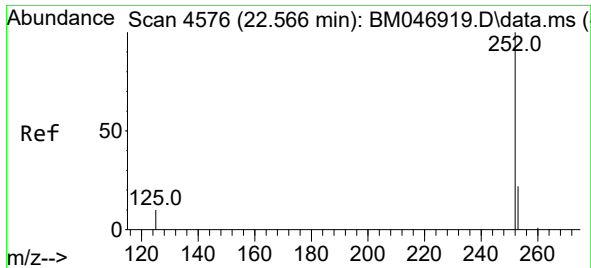
Tgt Ion:228 Resp: 158948  
Ion Ratio Lower Upper  
228 100  
229 20.6 16.3 24.5  
226 29.3 22.3 33.5



#22  
Chrysene  
Concen: 8.774 ng/ul  
RT: 21.105 min Scan# 4076  
Delta R.T. -0.003 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:228 Resp: 246792  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.5 36.7  
229 20.4 16.2 24.2

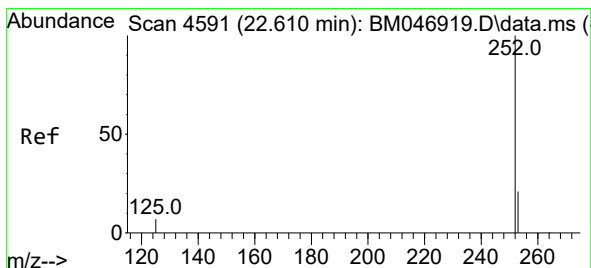
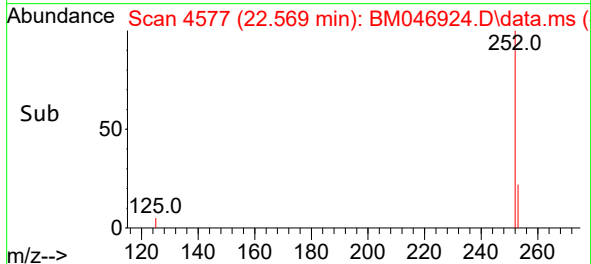
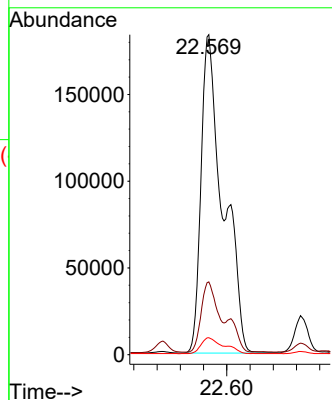
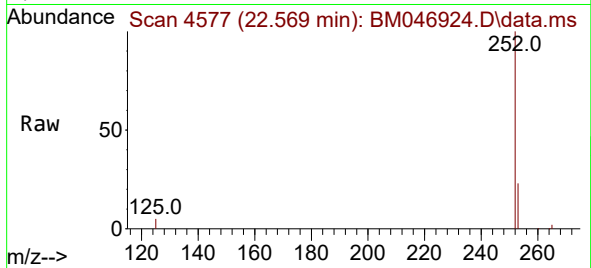




#24  
Benzo(b)fluoranthene  
Concen: 15.481 ng/ul  
RT: 22.569 min Scan# 4576  
Delta R.T. 0.000 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

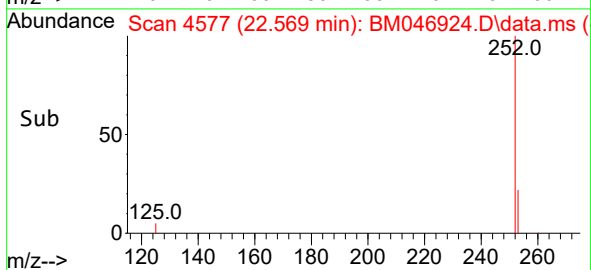
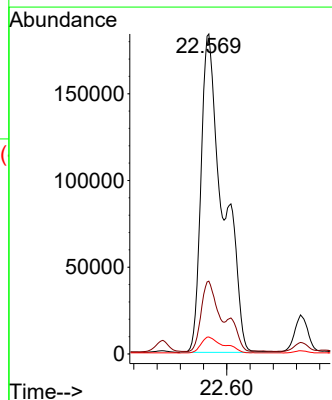
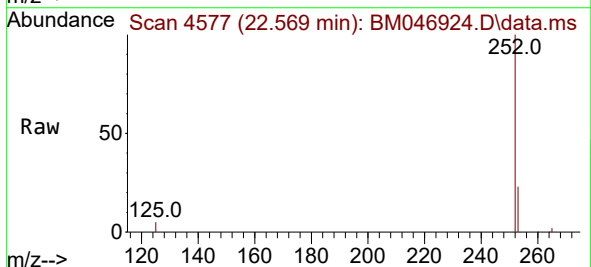
Instrument :  
BNA\_M  
ClientSampleId :  
F7E43

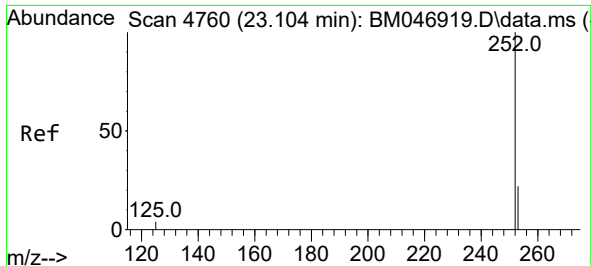
Tgt Ion:252 Resp: 482007  
Ion Ratio Lower Upper  
252 100  
253 22.8 0.0 56.4  
125 5.3 0.0 15.8



#25  
Benzo(k)fluoranthene  
Concen: 15.362 ng/ul  
RT: 22.569 min Scan# 4577  
Delta R.T. -0.041 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:252 Resp: 482007  
Ion Ratio Lower Upper  
252 100  
253 22.8 23.5 35.3#  
125 5.3 8.6 13.0#

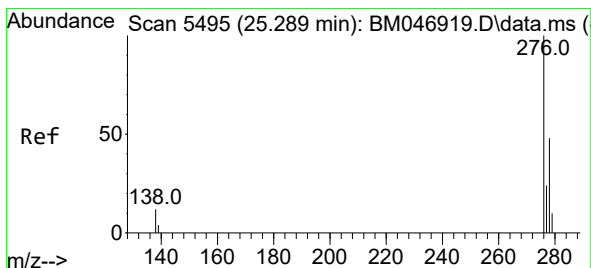
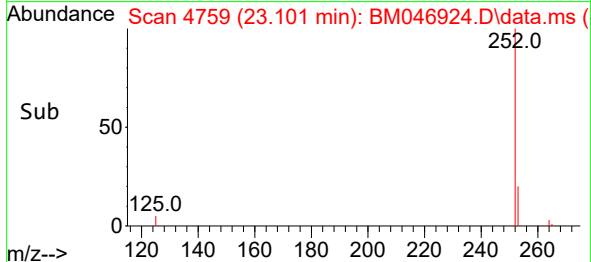
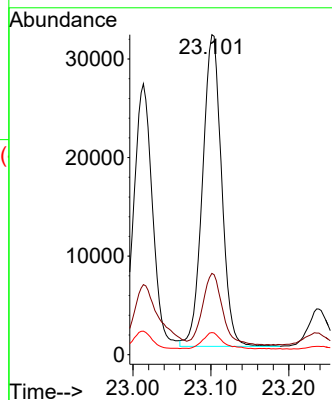
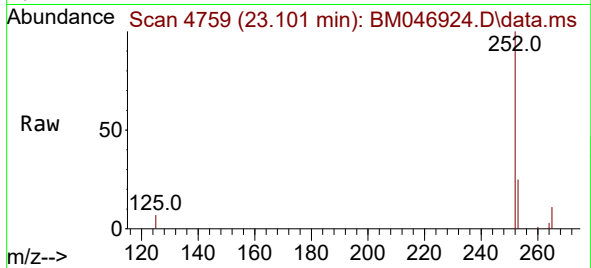




#26  
Benzo(a)pyrene  
Concen: 2.400 ng/ul  
RT: 23.101 min Scan# 4759  
Delta R.T. -0.003 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

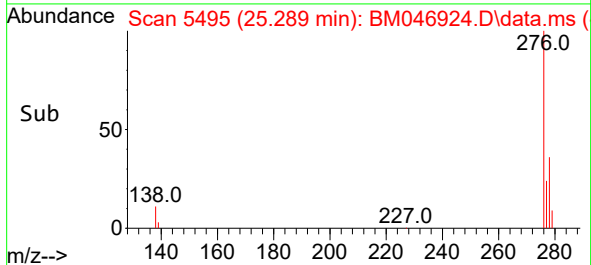
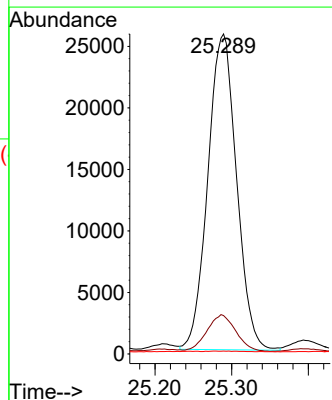
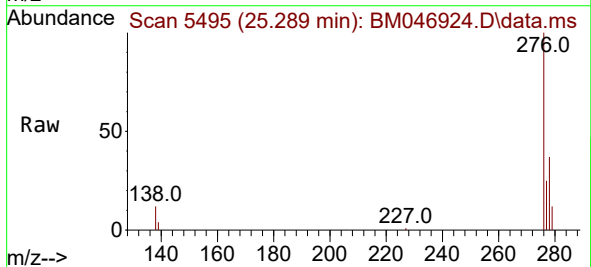
Instrument :  
BNA\_M  
ClientSampleId :  
F7E43

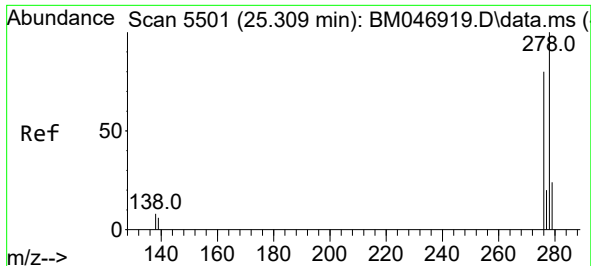
Tgt Ion:252 Resp: 53644  
Ion Ratio Lower Upper  
252 100  
253 25.4 26.0 39.0#  
125 6.9 7.8 11.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.941 ng/ul  
RT: 25.289 min Scan# 5495  
Delta R.T. -0.006 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:276 Resp: 66769  
Ion Ratio Lower Upper  
276 100  
138 11.6 9.7 14.5  
227 0.2 0.2 0.2

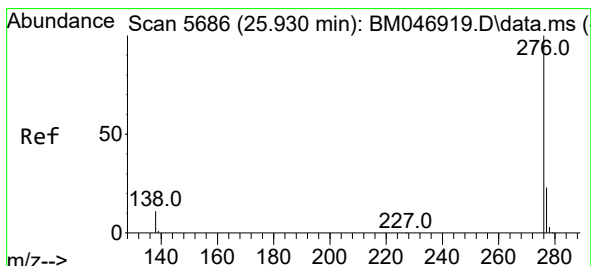
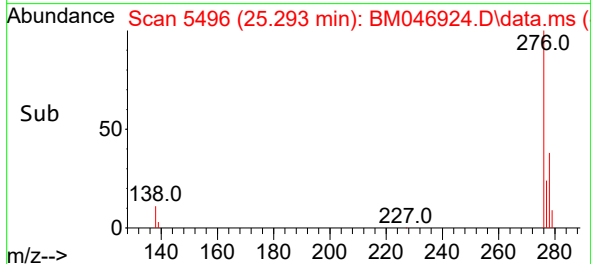
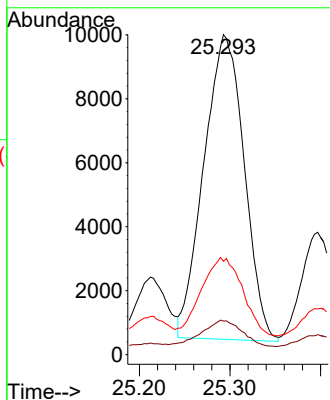
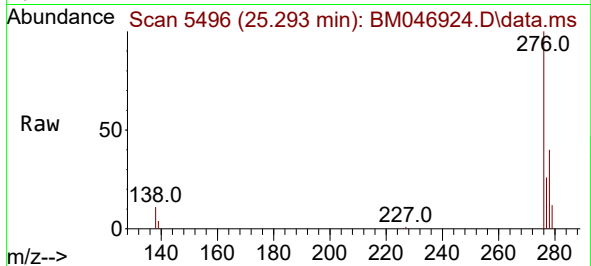




#28  
Dibenzo(a,h)anthracene  
Concen: 1.169 ng/ul  
RT: 25.293 min Scan# 5496  
Delta R.T. -0.016 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Instrument :  
BNA\_M  
ClientSampleId :  
F7E43

Tgt Ion:278 Resp: 29448  
Ion Ratio Lower Upper  
278 100  
139 10.5 9.8 14.8  
279 29.2 25.2 37.8



#29  
Benzo(g,h,i)perylene  
Concen: 0.265 ng/ul  
RT: 25.923 min Scan# 5684  
Delta R.T. -0.010 min  
Lab File: BM046924.D  
Acq: 30 Jul 2024 18:10

Tgt Ion:276 Resp: 8033  
Ion Ratio Lower Upper  
276 100  
138 17.4 9.5 14.3#  
277 30.8 20.9 31.3

