

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062024\  
 Data File : BM046131.D  
 Acq On : 20 Jun 2024 20:01  
 Operator : MA/JU  
 Sample : P2710-22MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4B87MS

Quant Time: Jun 21 02:48:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.443  | 152  | 2481     | 0.400   | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.215 | 136  | 7308     | 0.400   | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.075 | 164  | 4197     | 0.400   | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.811 | 188  | 9183     | 0.400   | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 20.971 | 240  | 526      | 0.400   | ng/ul  | #-0.07   |
| 23) Perylene-d12            | 23.104 | 264  | 10439    | 0.400   | ng/ul  | -0.04    |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.038  | 96   | 1640     | 0.482   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.815 | 152  | 3065     | 0.312   | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.843 | 212  | 8222     | 5.219   | ng/ul  | -0.04    |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane              | 3.067  | 88   | 4418     | 1.157   | ng/ul  | 84       |
| 5) Naphthalene              | 10.259 | 128  | 24858    | 1.220   | ng/ul  | 94       |
| 7) 2-Methylnaphthalene      | 11.887 | 142  | 11453    | 0.998   | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.101 | 142  | 10903    | 0.866   | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.793 | 152  | 39518    | 1.985   | ng/ul  | 97       |
| 11) Acenaphthene            | 14.135 | 153  | 39221    | 2.729   | ng/ul  | 98       |
| 12) Fluorene                | 15.130 | 166  | 49610    | 3.217   | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.498 | 266  | 1302     | 0.473   | ng/ul  | 97       |
| 15) Phenanthrene            | 16.853 | 178  | 819365   | 31.758  | ng/ul  | 95       |
| 16) Anthracene              | 16.946 | 178  | 160703   | 8.364   | ng/ul  | 95       |
| 19) Fluoranthene            | 18.875 | 202  | 1335059  | 586.198 | ng/ul  | 96       |
| 20) Pyrene                  | 19.238 | 202  | 925046   | 375.577 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 20.994 | 228  | 604654   | 297.603 | ng/ul  | 99       |
| 22) Chrysene                | 20.994 | 228  | 605201   | 233.408 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.490 | 252  | 1080916  | 28.741  | ng/ul  | 82       |
| 25) Benzo(k)fluoranthene    | 22.490 | 252  | 1080916  | 24.175  | ng/ul# | 80       |
| 26) Benzo(a)pyrene          | 23.148 | 252  | 22582    | 0.648   | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.149 | 276  | 282514   | 4.953   | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.152 | 278  | 107836   | 2.539   | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 25.776 | 276  | 40010    | 0.818   | ng/ul  | 96       |

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

BNA M

**ClientSampleId :**

A4B87MS

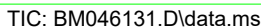
Quant Time: Jun 21 02:48:44 2024

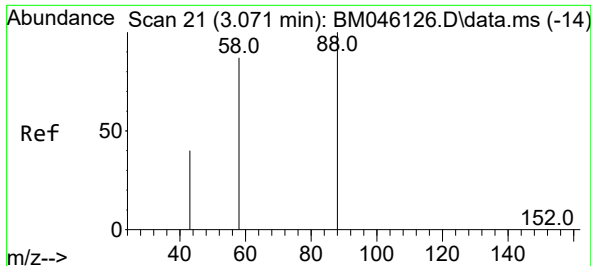
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 18 13:58:29 2024

Response via : Initial Calibration

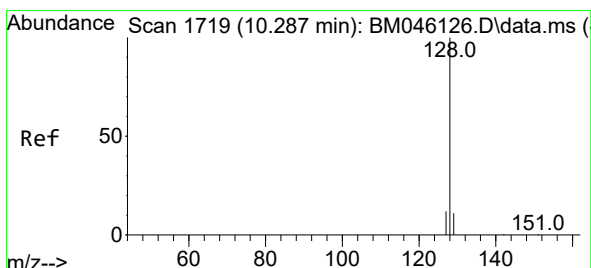
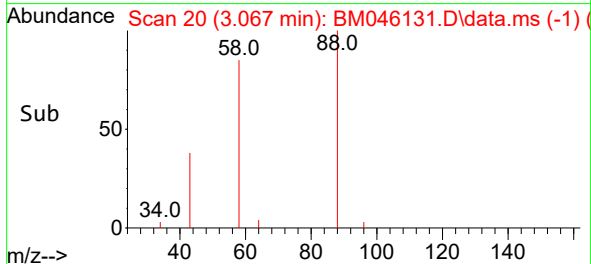
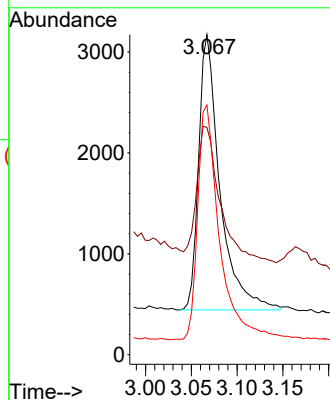
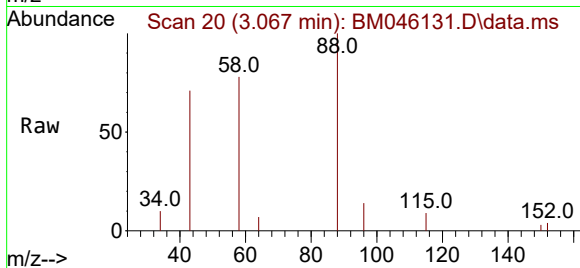




#2  
1,4-Dioxane  
Concen: 1.157 ng/ul  
RT: 3.067 min Scan# 20  
Delta R.T. -0.008 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

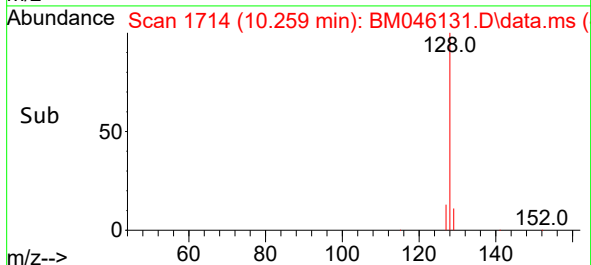
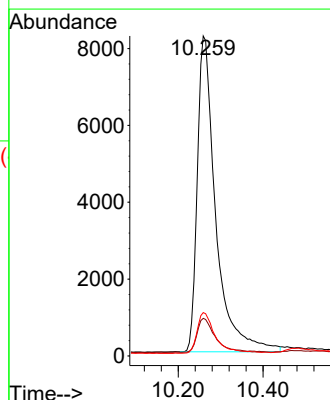
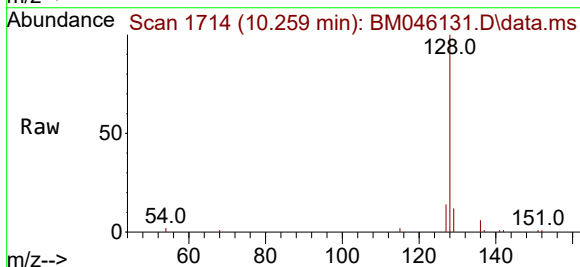
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BNA\_M  
ClientSampleId :  
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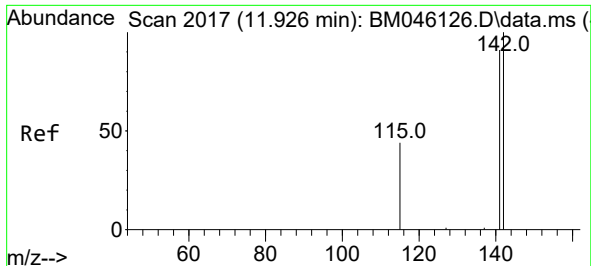
Tgt Ion: 88 Resp: 4418  
Ion Ratio Lower Upper  
88 100  
43 71.0 69.8 104.8  
58 78.0 53.2 79.8



#5  
Naphthalene  
Concen: 1.220 ng/ul  
RT: 10.259 min Scan# 1714  
Delta R.T. -0.044 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion: 128 Resp: 24858  
Ion Ratio Lower Upper  
128 100  
129 11.8 11.8 17.6  
127 13.5 12.8 19.2

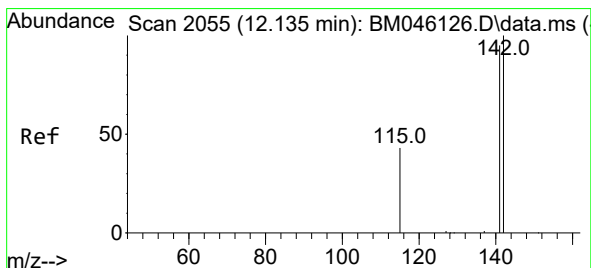
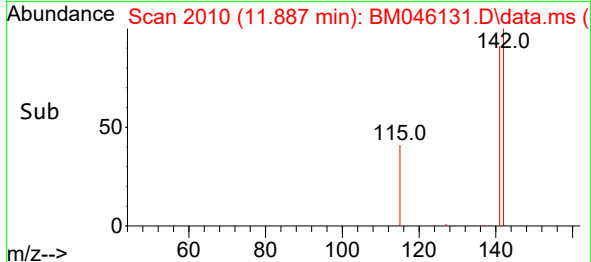
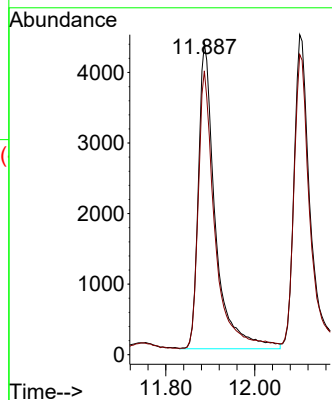
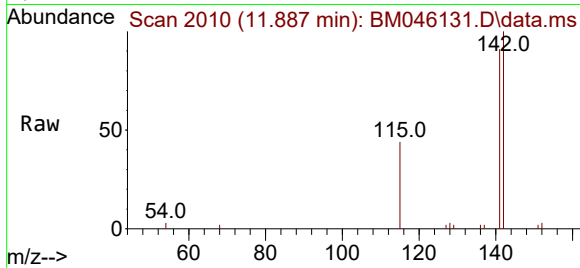




#7  
2-Methylnaphthalene  
Concen: 0.998 ng/ul  
RT: 11.887 min Scan# 2010  
Delta R.T. -0.060 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

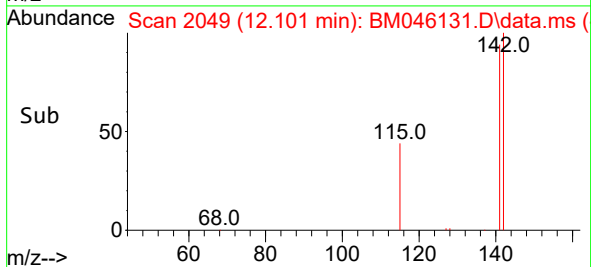
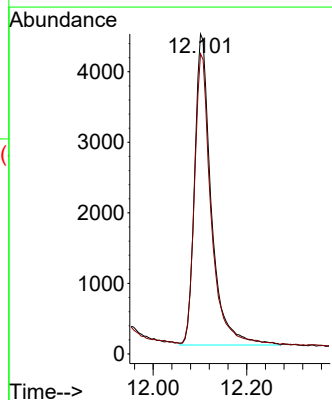
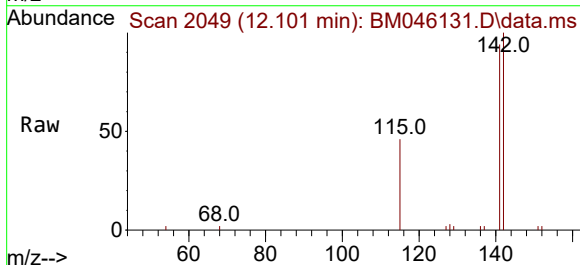
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ClientSampleId :  
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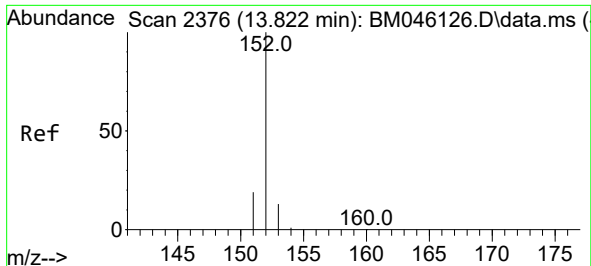
Tgt Ion:142 Resp: 11453  
Ion Ratio Lower Upper  
142 100  
141 89.5 74.6 111.8



#8  
1-Methylnaphthalene  
Concen: 0.866 ng/ul  
RT: 12.101 min Scan# 2049  
Delta R.T. -0.049 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:142 Resp: 10903  
Ion Ratio Lower Upper  
142 100  
141 92.5 75.2 112.8

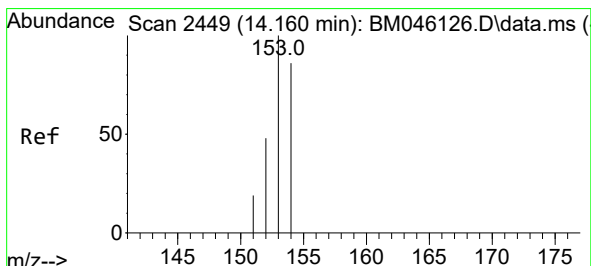
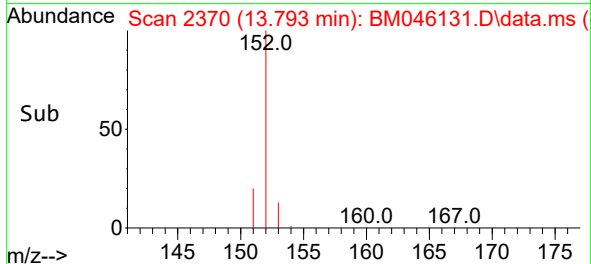
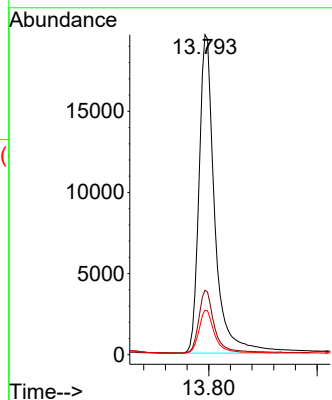
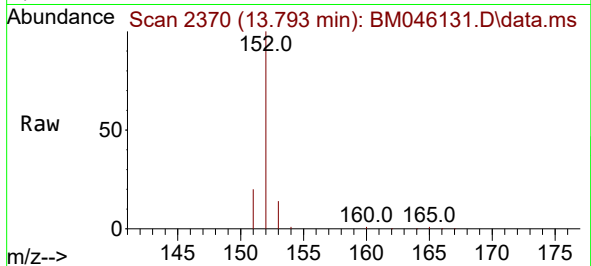




#10  
Acenaphthylene  
Concen: 1.985 ng/ul  
RT: 13.793 min Scan# 21  
Delta R.T. -0.042 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

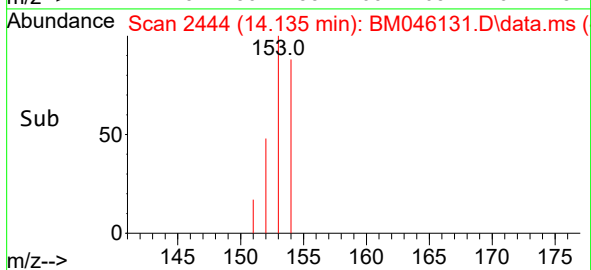
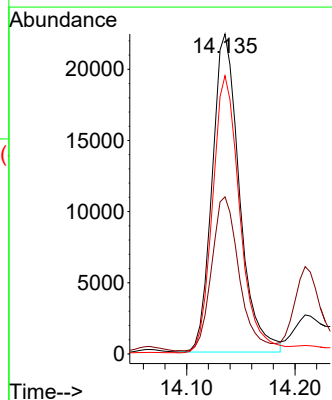
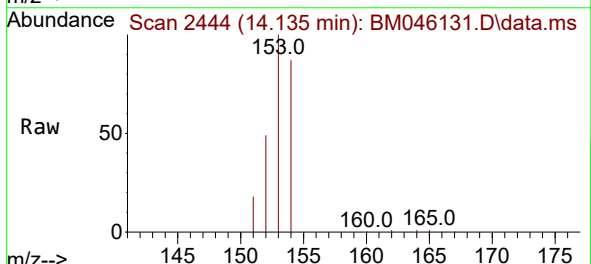
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ClientSampleId :  
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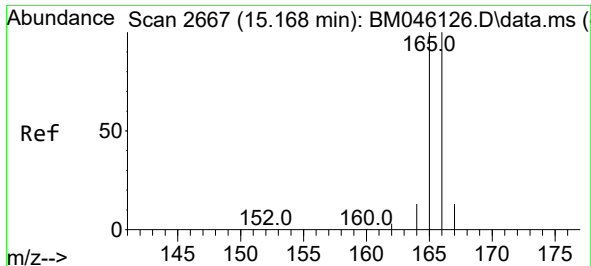
Tgt Ion:152 Resp: 39518  
Ion Ratio Lower Upper  
152 100  
151 20.2 17.4 26.2  
153 13.9 11.8 17.8



#11  
Acenaphthene  
Concen: 2.729 ng/ul  
RT: 14.135 min Scan# 2444  
Delta R.T. -0.037 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:153 Resp: 39221  
Ion Ratio Lower Upper  
153 100  
152 49.1 41.3 61.9  
154 86.9 68.2 102.4

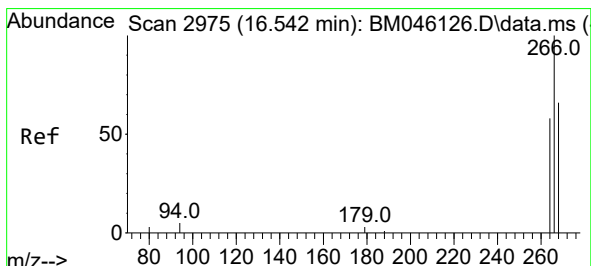
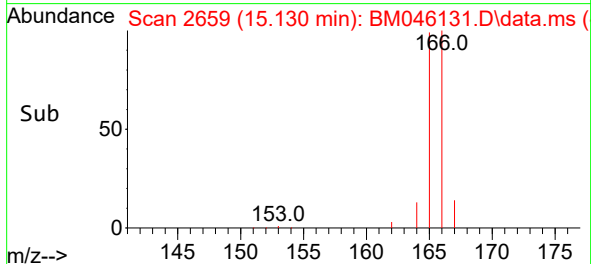
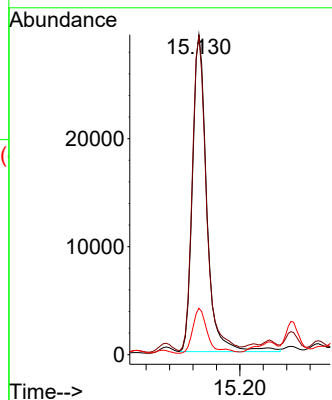
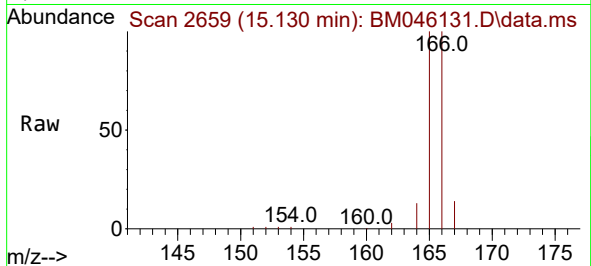




#12  
Fluorene  
Concen: 3.217 ng/ul  
RT: 15.130 min Scan# 2  
Delta R.T. -0.051 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

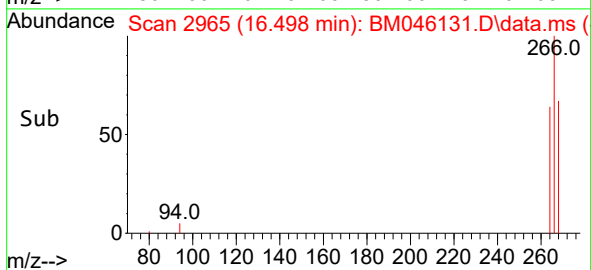
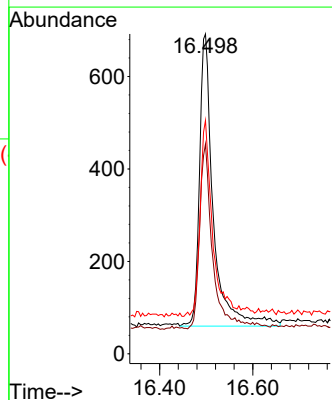
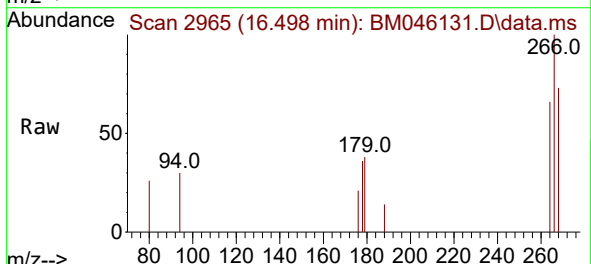
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BNA\_M  
ClientSampleId :  
A4B87MS

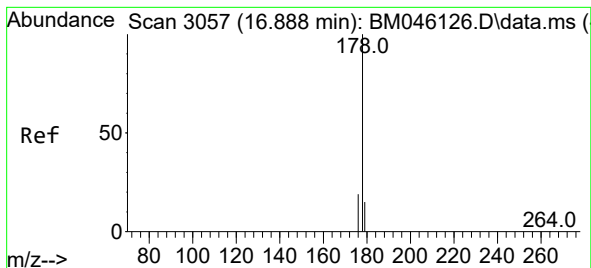
Tgt Ion:166 Resp: 49610  
Ion Ratio Lower Upper  
166 100  
165 99.7 80.4 120.6  
167 14.5 12.4 18.6



#14  
Pentachlorophenol  
Concen: 0.473 ng/ul  
RT: 16.498 min Scan# 2965  
Delta R.T. -0.067 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:266 Resp: 1302  
Ion Ratio Lower Upper  
266 100  
264 60.6 50.9 76.3  
268 62.9 52.3 78.5





#15

Phenanthrene

Concen: 31.758 ng/ul

RT: 16.853 min Scan# 3071

Delta R.T. -0.051 min

Lab File: BM046131.D

Acq: 20 Jun 2024 20:01

Instrument :

BNA\_M

ClientSampleId :

A4B87MS

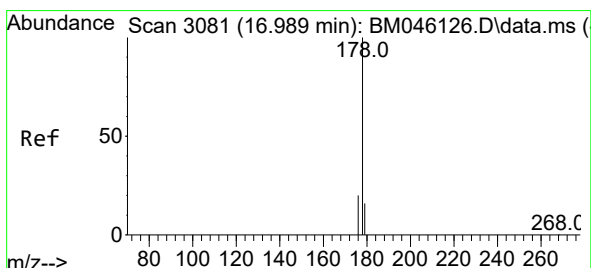
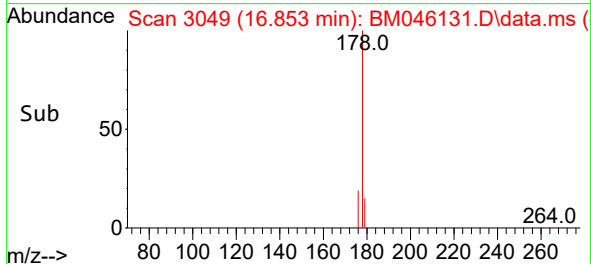
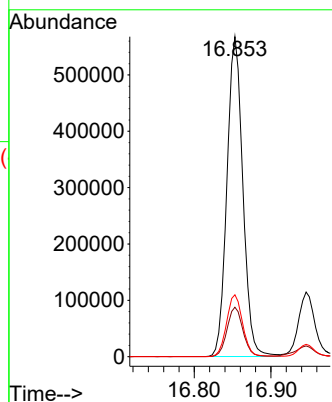
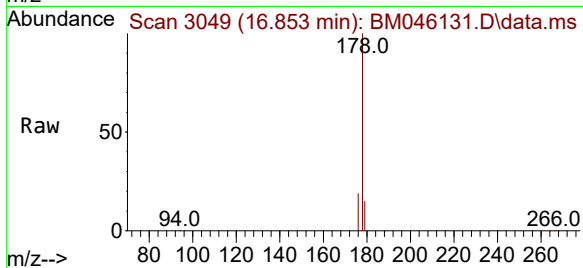
Tgt Ion:178 Resp: 819365

Ion Ratio Lower Upper

178 100

179 15.4 14.2 21.2

176 19.4 17.1 25.7



#16

Anthracene

Concen: 8.364 ng/ul

RT: 16.946 min Scan# 3071

Delta R.T. -0.059 min

Lab File: BM046131.D

Acq: 20 Jun 2024 20:01

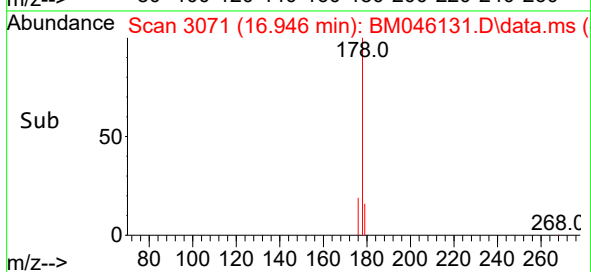
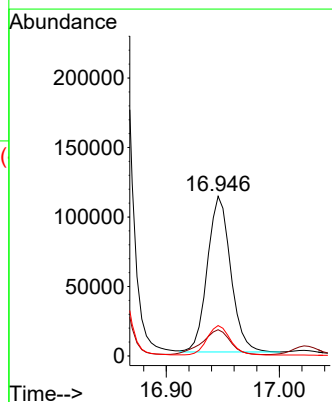
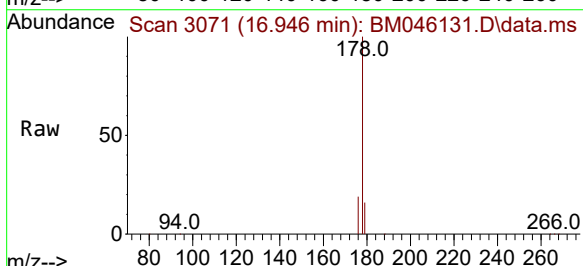
Tgt Ion:178 Resp: 160703

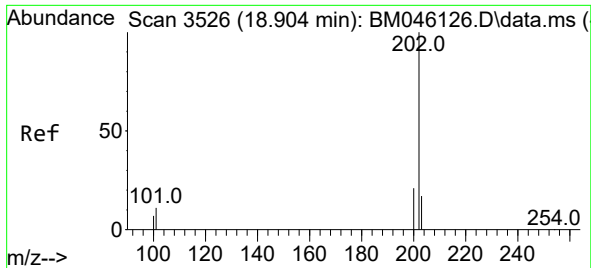
Ion Ratio Lower Upper

178 100

179 16.5 14.9 22.3

176 19.0 17.0 25.4

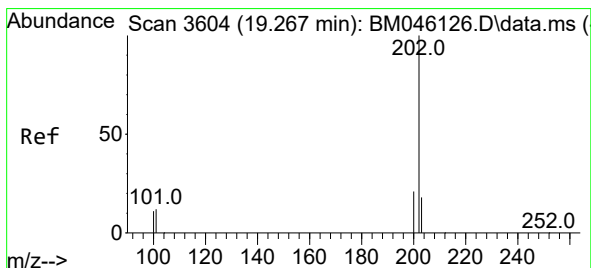
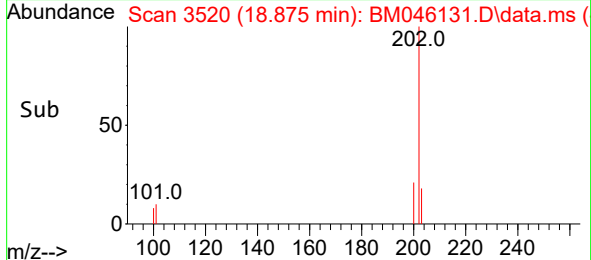
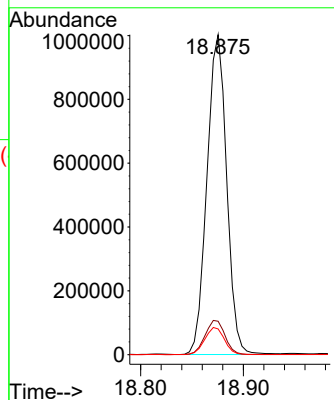
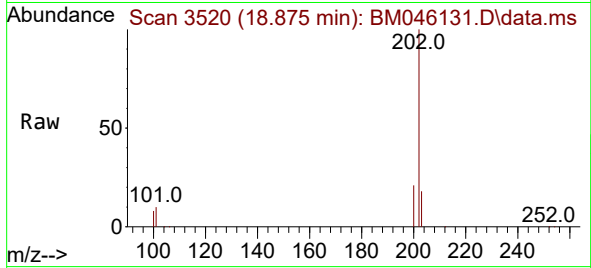




#19  
Fluoranthene  
Concen: 586.198 ng/ul  
RT: 18.875 min Scan# 3520  
Delta R.T. -0.042 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

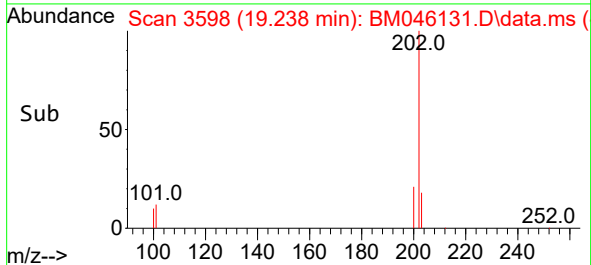
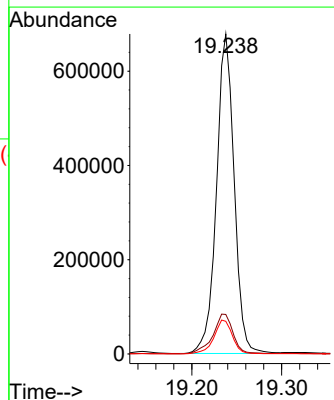
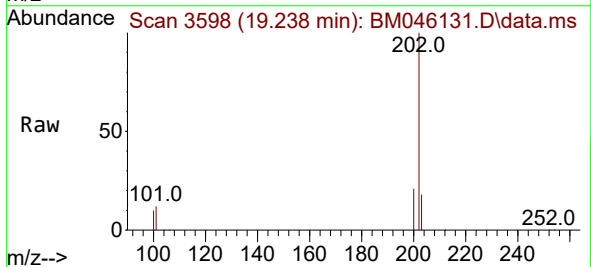
Instrument :  
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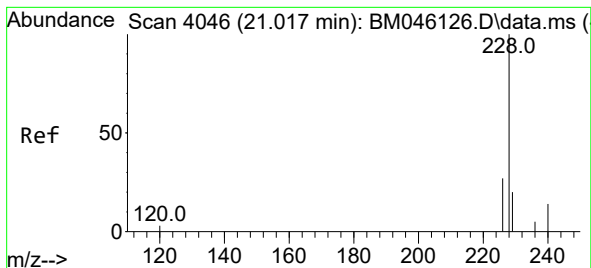
Tgt Ion:202 Resp: 1335059  
Ion Ratio Lower Upper  
202 100  
101 10.4 9.6 14.4  
100 8.0 7.6 11.4



#20  
Pyrene  
Concen: 375.577 ng/ul  
RT: 19.238 min Scan# 3598  
Delta R.T. -0.037 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:202 Resp: 925046  
Ion Ratio Lower Upper  
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101 12.4 11.3 16.9  
100 10.2 9.8 14.6

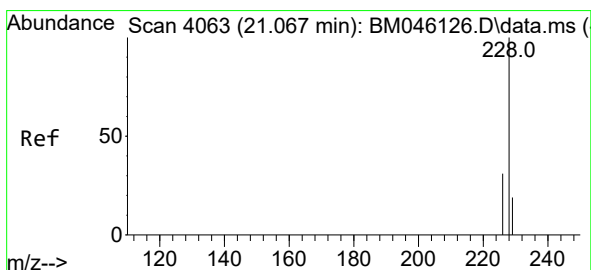
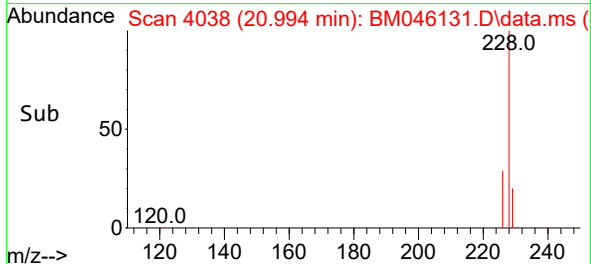
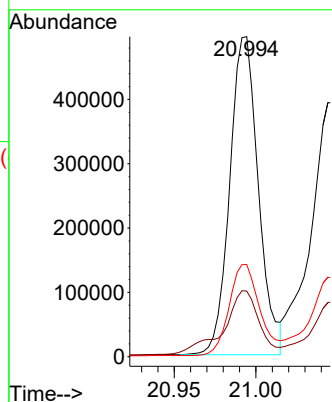
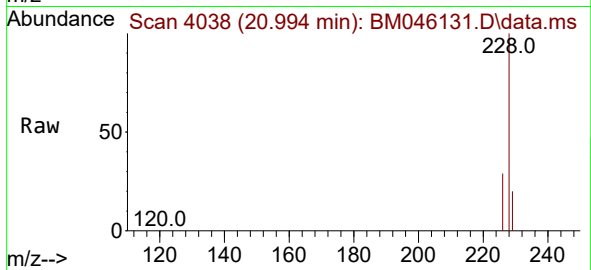




#21  
Benzo(a)anthracene  
Concen: 297.603 ng/ul  
RT: 20.994 min Scan# 4038  
Delta R.T. -0.035 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

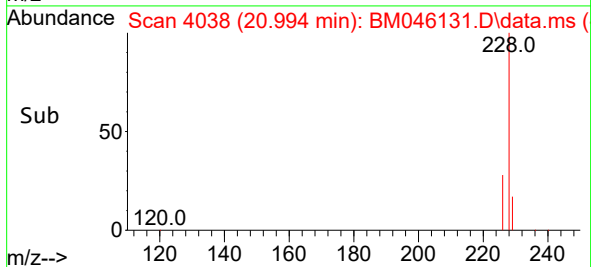
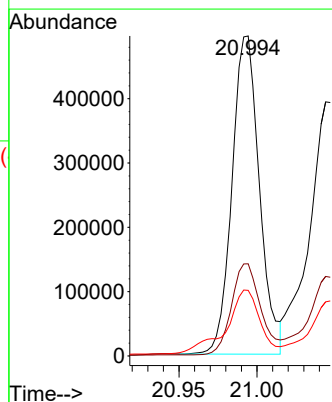
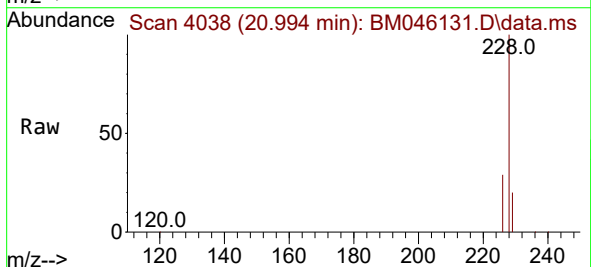
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BNA\_M  
ClientSampleId :  
A4B87MS

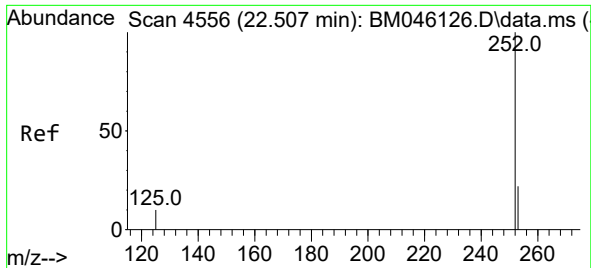
Tgt Ion:228 Resp: 604654  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.4 24.6  
226 28.8 23.4 35.2



#22  
Chrysene  
Concen: 233.408 ng/ul  
RT: 20.994 min Scan# 4038  
Delta R.T. -0.082 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:228 Resp: 605201  
Ion Ratio Lower Upper  
228 100  
226 28.8 25.2 37.8  
229 20.5 16.3 24.5

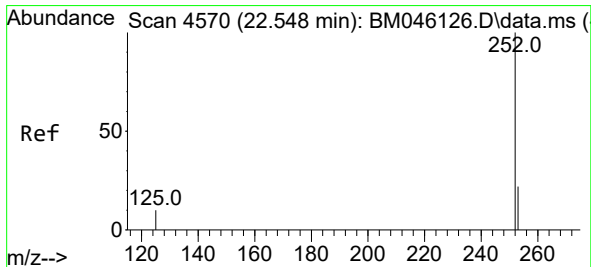
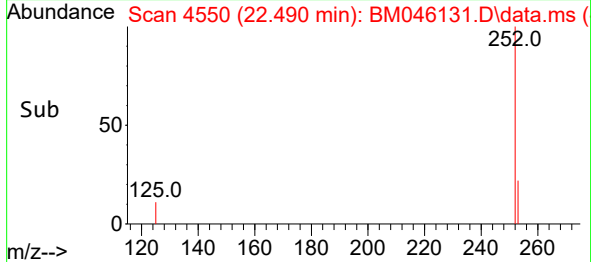
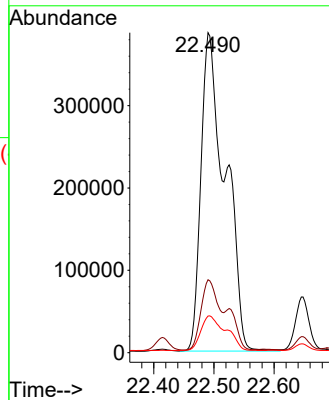
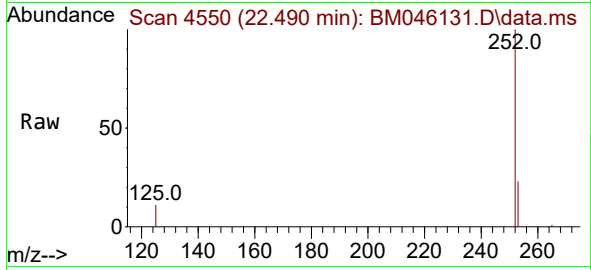




#24  
Benzo(b)fluoranthene  
Concen: 28.741 ng/ul  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.029 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

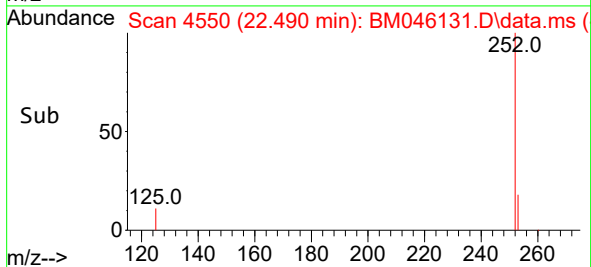
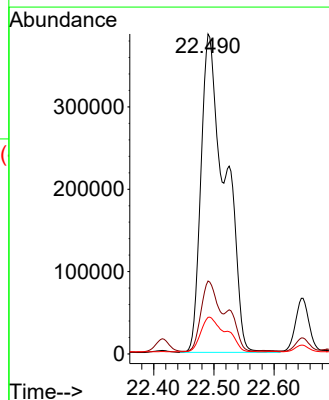
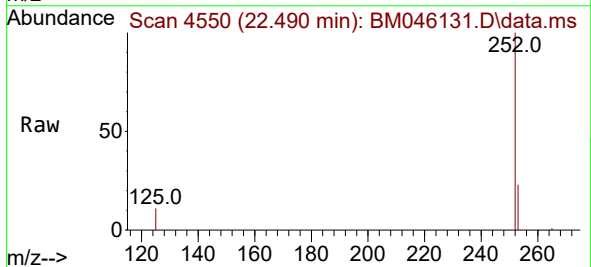
Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MS

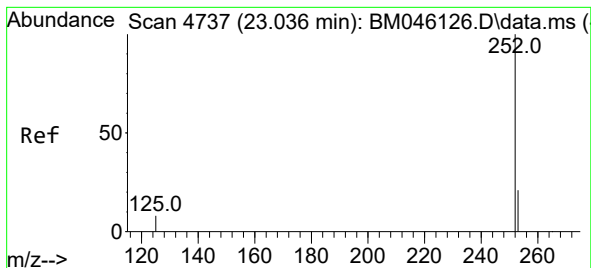
Tgt Ion:252 Resp: 1080916  
Ion Ratio Lower Upper  
252 100  
253 22.8 0.0 65.8  
125 11.4 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 24.175 ng/ul  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.073 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:252 Resp: 1080916  
Ion Ratio Lower Upper  
252 100  
253 22.8 27.2 40.8#  
125 11.4 16.6 25.0#





#26

Benzo(a)pyrene

Concen: 0.648 ng/ul

RT: 23.148 min Scan# 41

Delta R.T. 0.094 min

Lab File: BM046131.D

Acq: 20 Jun 2024 20:01

Instrument :

BNA\_M

ClientSampleId :

A4B87MS

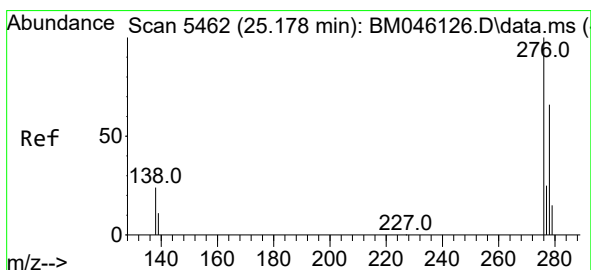
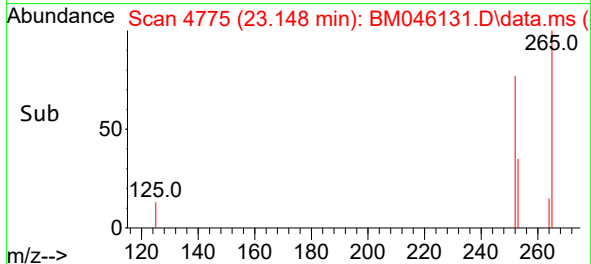
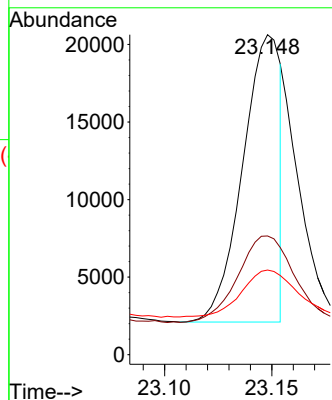
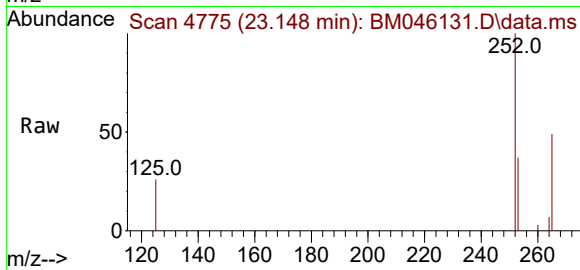
Tgt Ion:252 Resp: 22582

Ion Ratio Lower Upper

252 100

253 37.1 32.1 48.1

125 26.4 21.2 31.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.953 ng/ul

RT: 25.149 min Scan# 5453

Delta R.T. -0.054 min

Lab File: BM046131.D

Acq: 20 Jun 2024 20:01

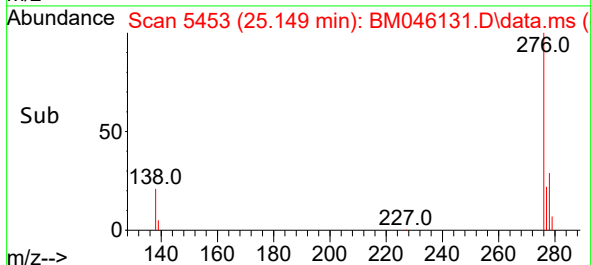
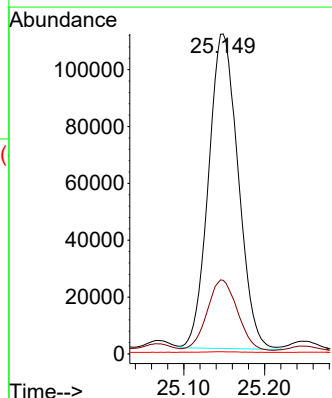
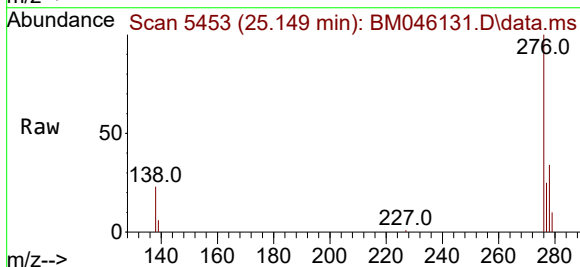
Tgt Ion:276 Resp: 282514

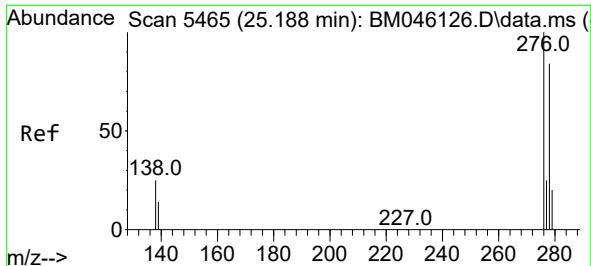
Ion Ratio Lower Upper

276 100

138 22.8 21.0 31.4

227 0.2 0.0 0.0#

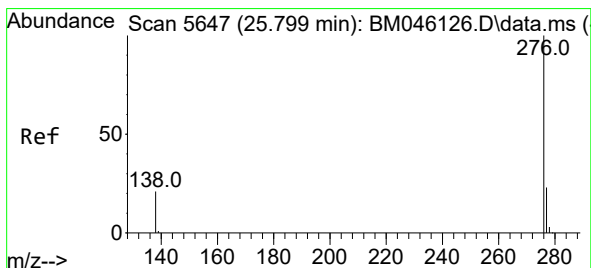
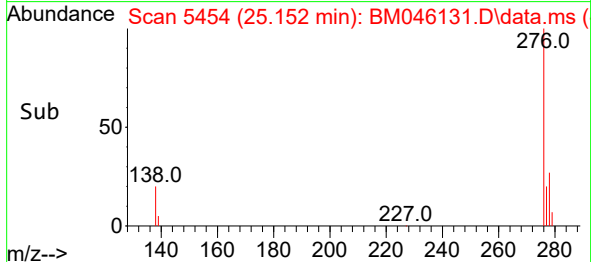
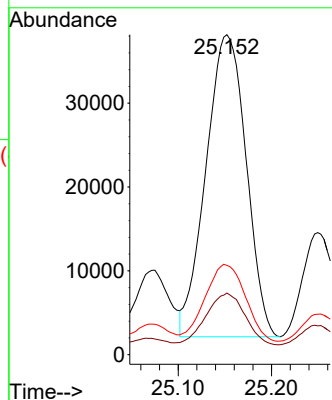
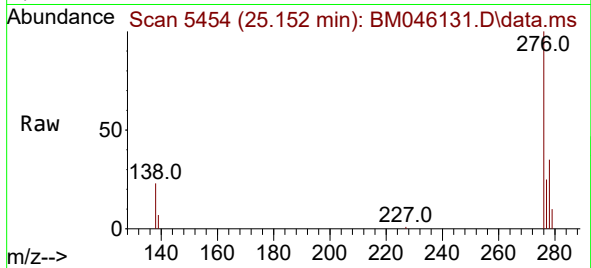




#28  
Dibenzo(a,h)anthracene  
Concen: 2.539 ng/ul  
RT: 25.152 min Scan# 54  
Delta R.T. -0.064 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MS

Tgt Ion:278 Resp: 107836  
Ion Ratio Lower Upper  
278 100  
139 19.2 17.6 26.4  
279 27.9 26.3 39.5



#29  
Benzo(g,h,i)perylene  
Concen: 0.818 ng/ul  
RT: 25.776 min Scan# 5640  
Delta R.T. -0.054 min  
Lab File: BM046131.D  
Acq: 20 Jun 2024 20:01

Tgt Ion:276 Resp: 40010  
Ion Ratio Lower Upper  
276 100  
138 26.6 21.7 32.5  
277 28.8 20.4 30.6

