

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046297.D  
 Acq On : 25 Jun 2024 18:30  
 Operator : MA/JU  
 Sample : P2844-16DL 5X  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 25 23:28:25 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 25 08:04:59 2024  
 Response via : Initial Calibration

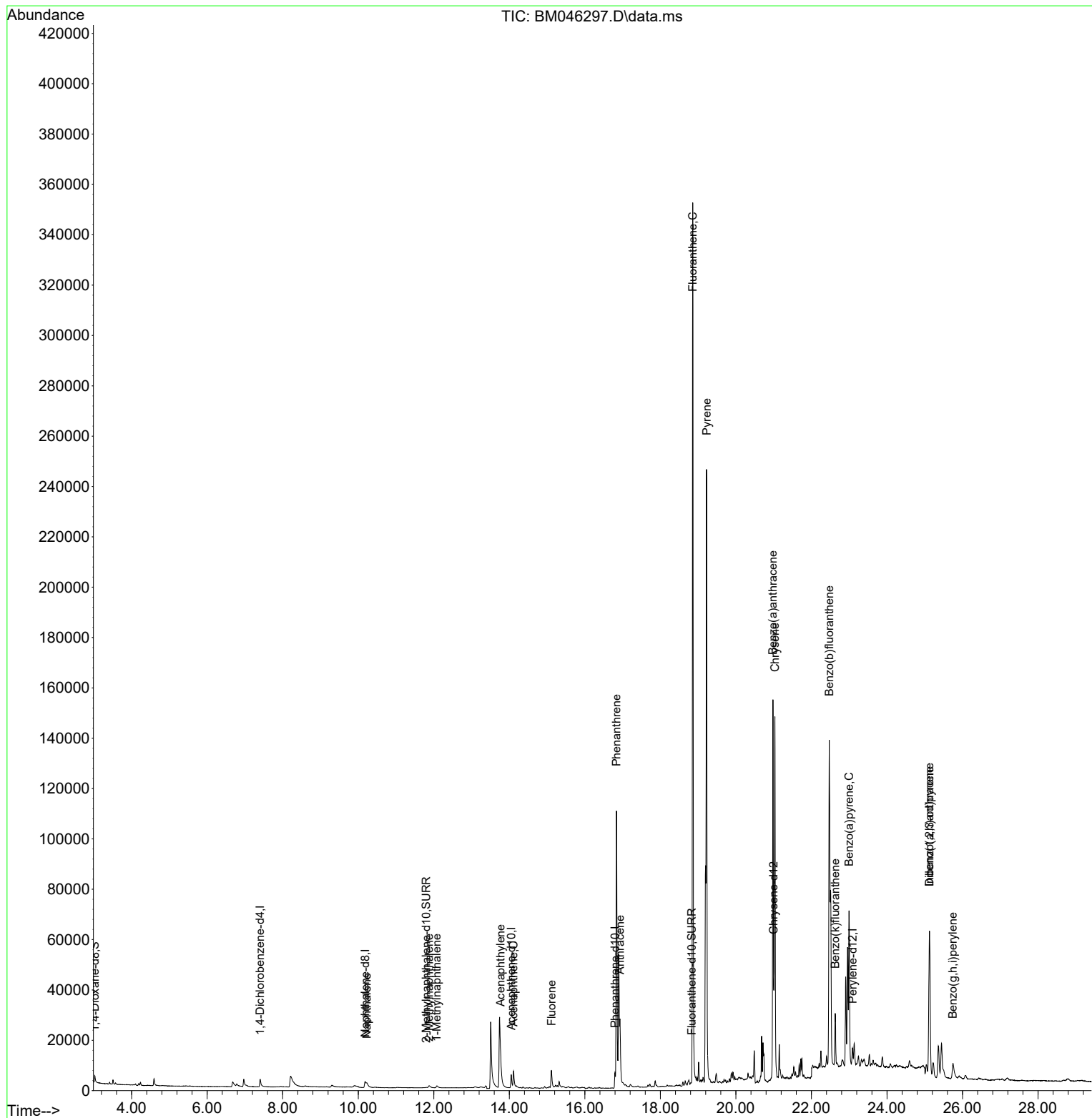
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.400  | 152  | 2400     | 0.400  | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.182 | 136  | 7070     | 0.400  | ng/ul  | -0.07    |
| 9) Acenaphthene-d10         | 14.052 | 164  | 3966     | 0.400  | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.798 | 188  | 8493     | 0.400  | ng/ul  | -0.06    |
| 17) Chrysene-d12            | 20.997 | 240  | 6879     | 0.400  | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.087 | 264  | 8618     | 0.400  | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.025  | 96   | 1668     | 0.507  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.799 | 152  | 375      | 0.040  | ng/ul  | -0.07    |
| 18) Fluoranthene-d10        | 18.829 | 212  | 1017     | 0.049  | ng/ul  | -0.04    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.231 | 128  | 3641     | 0.185  | ng/ul# | 89       |
| 7) 2-Methylnaphthalene      | 11.876 | 142  | 1319     | 0.119  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.079 | 142  | 1097     | 0.090  | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.770 | 152  | 10569    | 0.562  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.112 | 153  | 6166     | 0.454  | ng/ul  | 99       |
| 12) Fluorene                | 15.116 | 166  | 6651     | 0.456  | ng/ul  | 99       |
| 15) Phenanthrene            | 16.836 | 178  | 142100   | 5.955  | ng/ul  | 96       |
| 16) Anthracene              | 16.929 | 178  | 30040    | 1.690  | ng/ul  | 98       |
| 19) Fluoranthene            | 18.857 | 202  | 310568   | 10.427 | ng/ul  | 96       |
| 20) Pyrene                  | 19.224 | 202  | 222278   | 6.901  | ng/ul# | 93       |
| 21) Benzo(a)anthracene      | 20.980 | 228  | 129331   | 4.867  | ng/ul  | 100      |
| 22) Chrysene                | 21.032 | 228  | 138732   | 4.091  | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.470 | 252  | 272489   | 8.776  | ng/ul  | 83       |
| 25) Benzo(k)fluoranthene    | 22.631 | 252  | 23241    | 0.630  | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 22.996 | 252  | 79147    | 2.751  | ng/ul# | 77       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.125 | 276  | 81227    | 1.725  | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 25.125 | 278  | 23988    | 0.684  | ng/ul# | 93       |
| 29) Benzo(g,h,i)perylene    | 25.746 | 276  | 12626    | 0.313  | ng/ul# | 85       |
| -----                       |        |      |          |        |        |          |

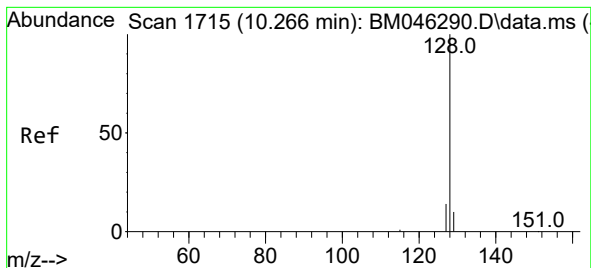
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
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Quant Time: Jun 25 23:28:25 2024  
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QLast Update : Tue Jun 25 08:04:59 2024  
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#5

Naphthalene

Concen: 0.185 ng/ul

RT: 10.231 min Scan# 11

Delta R.T. -0.073 min

Lab File: BM046297.D

Acq: 25 Jun 2024 18:30

Instrument :

BNA\_G

ClientSampleId :

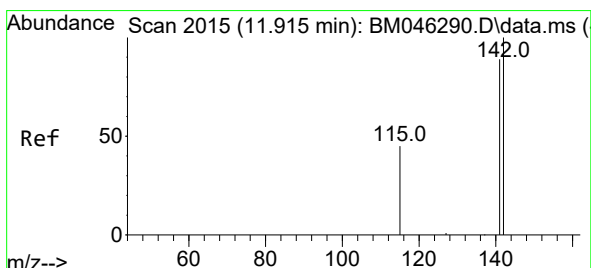
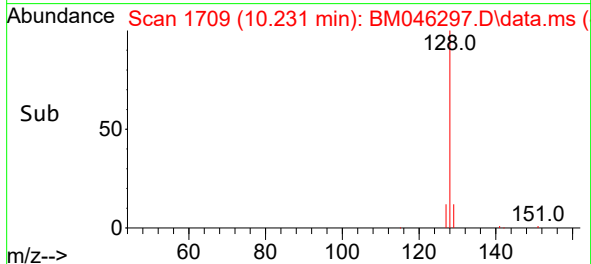
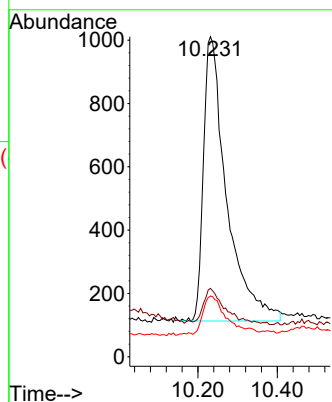
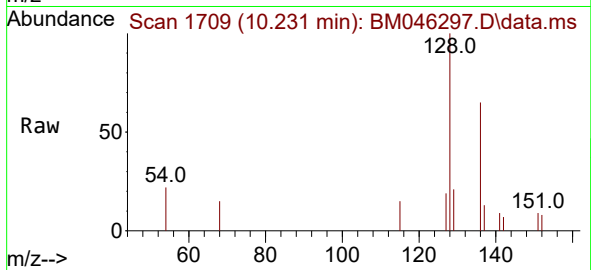
Tgt Ion:128 Resp: 3641

Ion Ratio Lower Upper

128 100

129 21.4 11.8 17.6#

127 19.0 12.8 19.2



#7

2-Methylnaphthalene

Concen: 0.119 ng/ul

RT: 11.876 min Scan# 2008

Delta R.T. -0.078 min

Lab File: BM046297.D

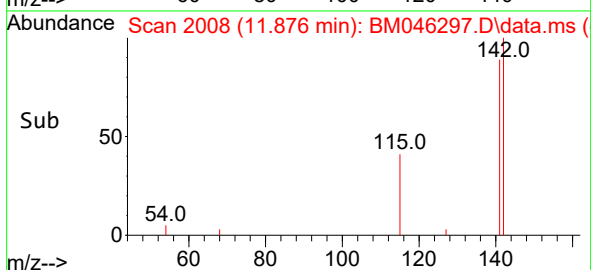
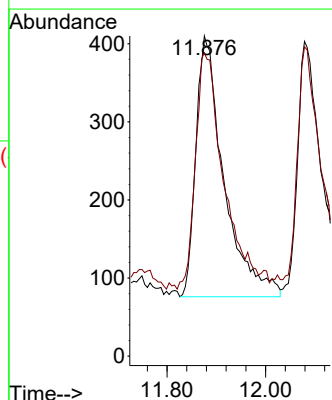
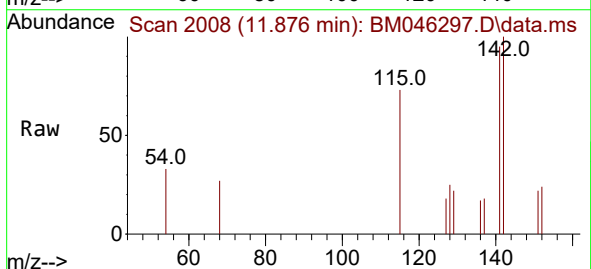
Acq: 25 Jun 2024 18:30

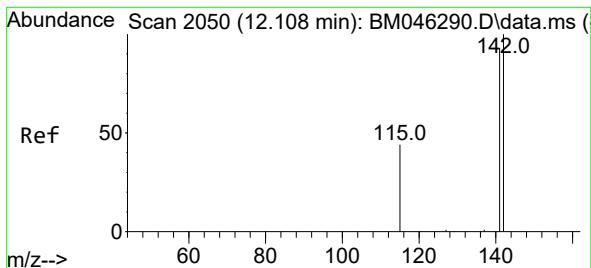
Tgt Ion:142 Resp: 1319

Ion Ratio Lower Upper

142 100

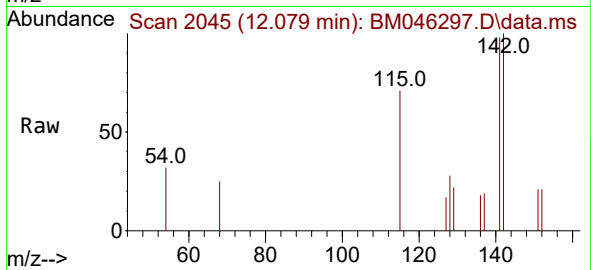
141 92.4 74.6 111.8



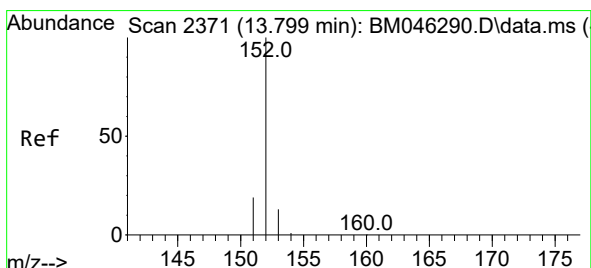
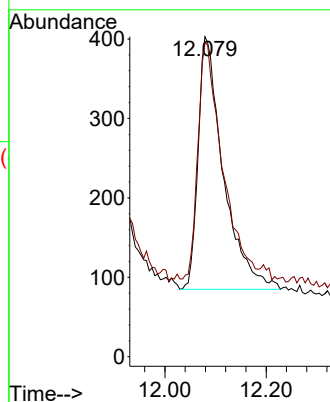
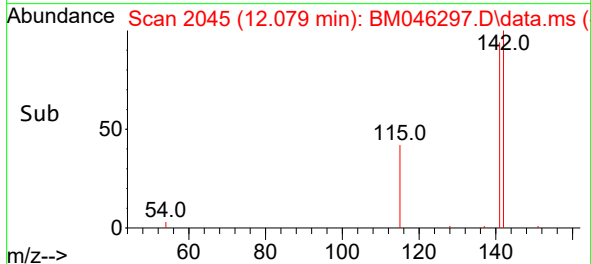


#8  
1-Methylnaphthalene  
Concen: 0.090 ng/ul  
RT: 12.079 min Scan# 2050  
Delta R.T. -0.056 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

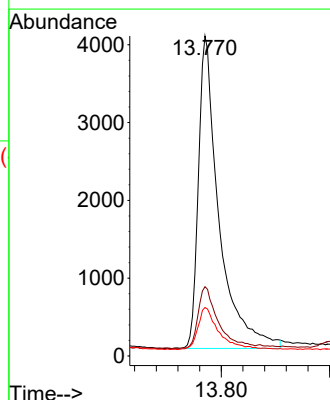
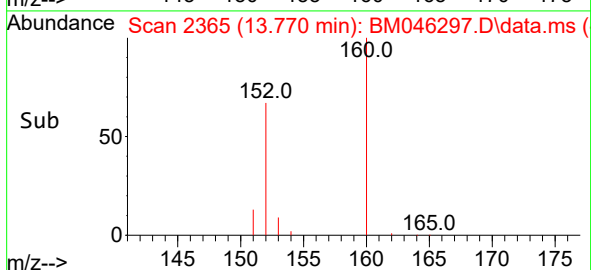
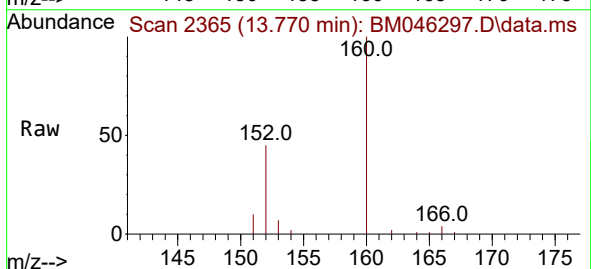


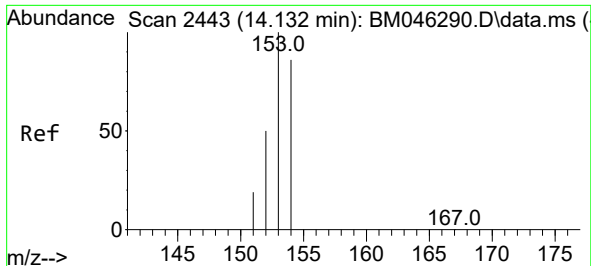
Tgt Ion:142 Resp: 1097  
Ion Ratio Lower Upper  
142 100  
141 92.2 75.2 112.8



#10  
Acenaphthylene  
Concen: 0.562 ng/ul  
RT: 13.770 min Scan# 2365  
Delta R.T. -0.048 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

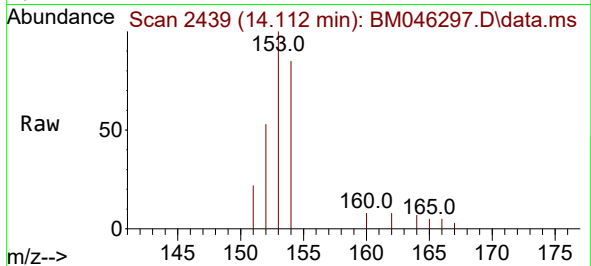
Tgt Ion:152 Resp: 10569  
Ion Ratio Lower Upper  
152 100  
151 21.7 17.4 26.2  
153 15.2 11.8 17.8



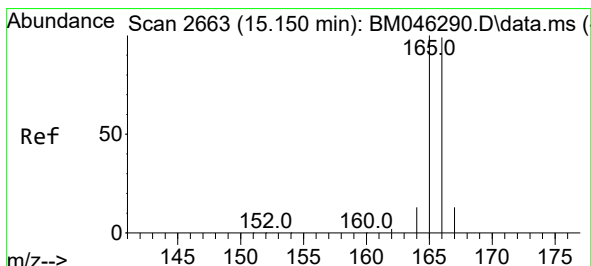
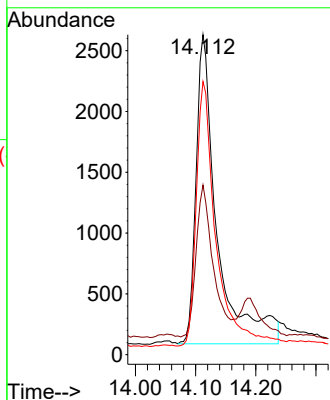
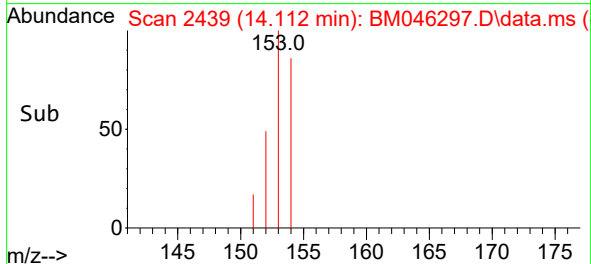


#11  
Acenaphthene  
Concen: 0.454 ng/ul  
RT: 14.112 min Scan# 2443  
Delta R.T. -0.034 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

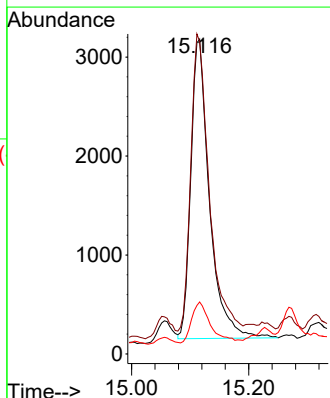
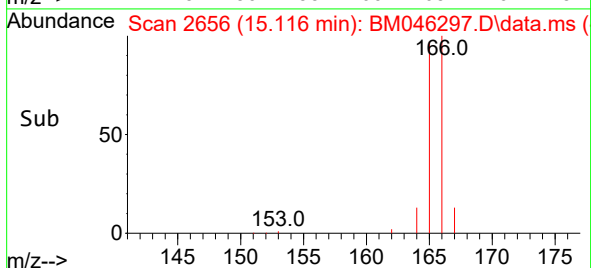
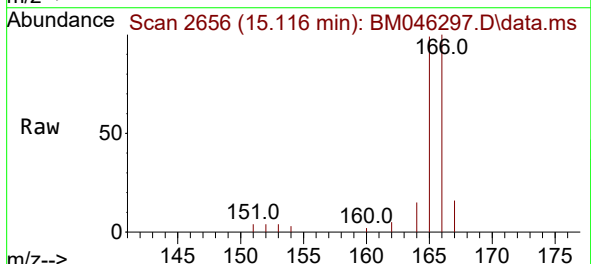


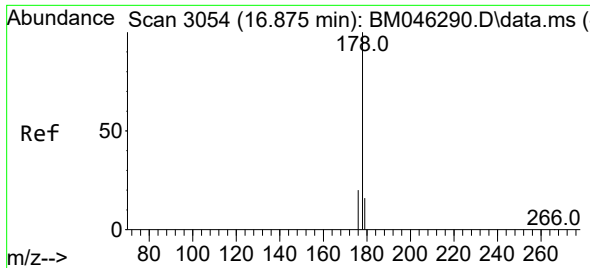
Tgt Ion:153 Resp: 6166  
Ion Ratio Lower Upper  
153 100  
152 53.0 41.3 61.9  
154 85.4 68.2 102.4



#12  
Fluorene  
Concen: 0.456 ng/ul  
RT: 15.116 min Scan# 2656  
Delta R.T. -0.052 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

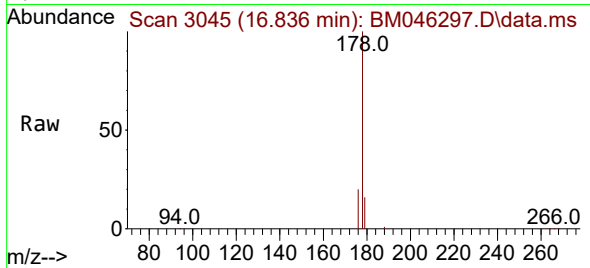
Tgt Ion:166 Resp: 6651  
Ion Ratio Lower Upper  
166 100  
165 99.2 80.4 120.6  
167 16.5 12.4 18.6



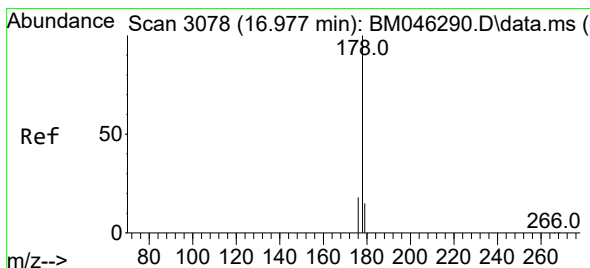
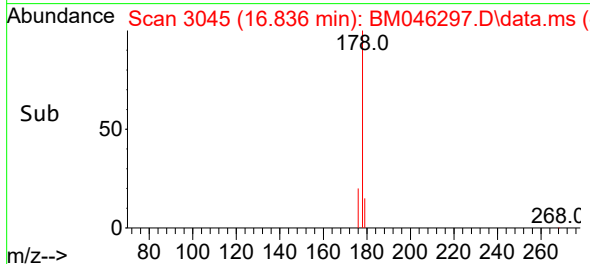
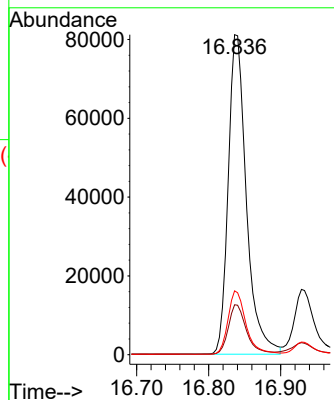


#15  
Phenanthrene  
Concen: 5.955 ng/ul  
RT: 16.836 min Scan# 3045  
Delta R.T. -0.052 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

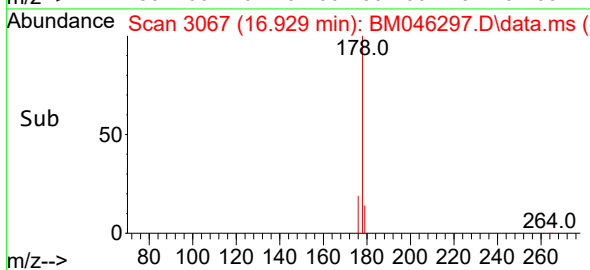
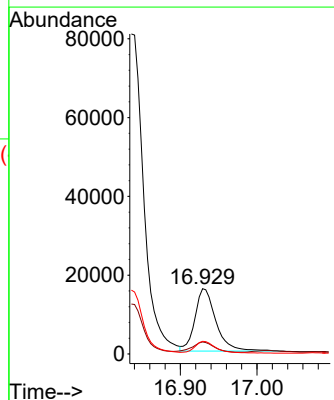
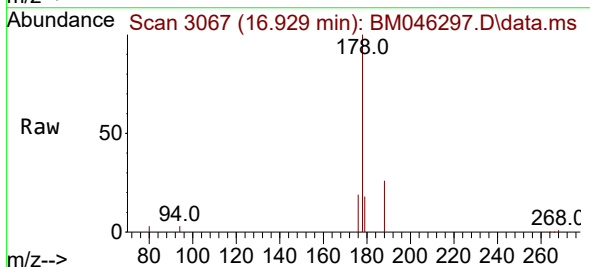


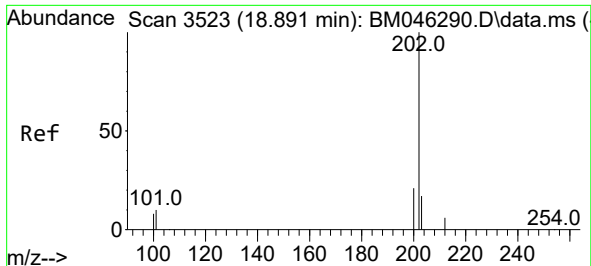
Tgt Ion:178 Resp: 142100  
Ion Ratio Lower Upper  
178 100  
179 15.6 14.2 21.2  
176 20.0 17.1 25.7



#16  
Anthracene  
Concen: 1.690 ng/ul  
RT: 16.929 min Scan# 3067  
Delta R.T. -0.077 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

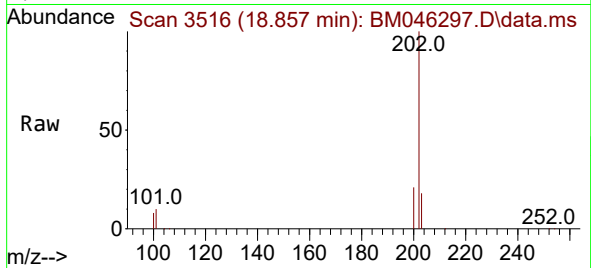
Tgt Ion:178 Resp: 30040  
Ion Ratio Lower Upper  
178 100  
179 18.3 14.9 22.3  
176 19.3 17.0 25.4



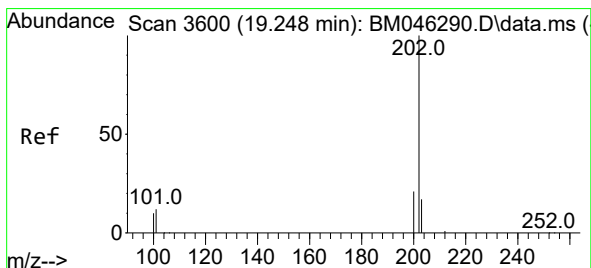
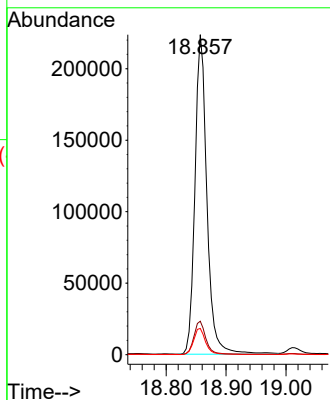
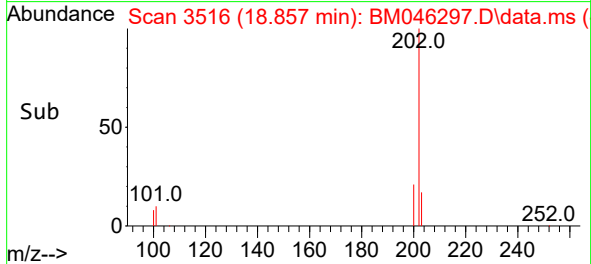


#19  
Fluoranthene  
Concen: 10.427 ng/ul  
RT: 18.857 min Scan# 310568  
Delta R.T. -0.048 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

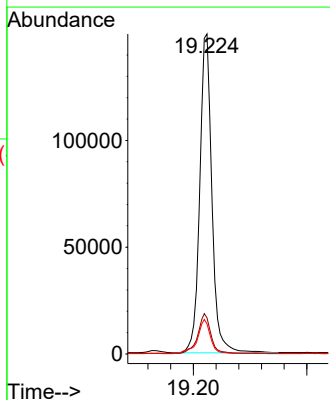
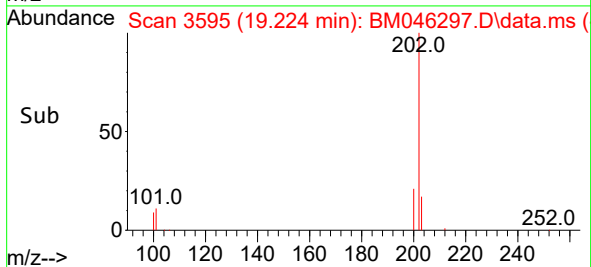
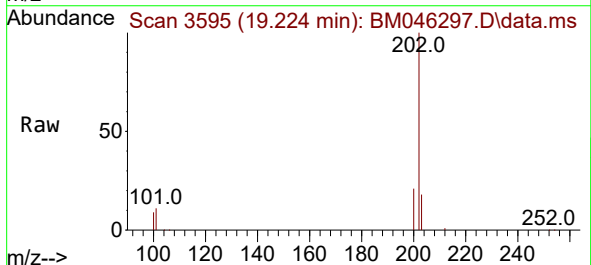


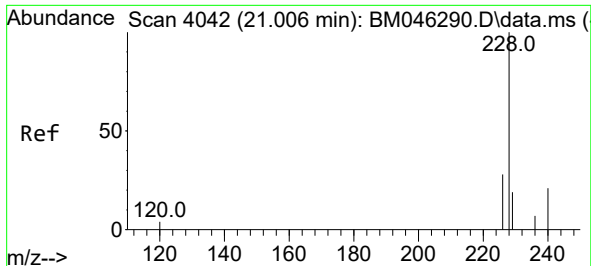
Tgt Ion:202 Resp: 310568  
Ion Ratio Lower Upper  
202 100  
101 10.4 9.6 14.4  
100 8.2 7.6 11.4



#20  
Pyrene  
Concen: 6.901 ng/ul  
RT: 19.224 min Scan# 3595  
Delta R.T. -0.034 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

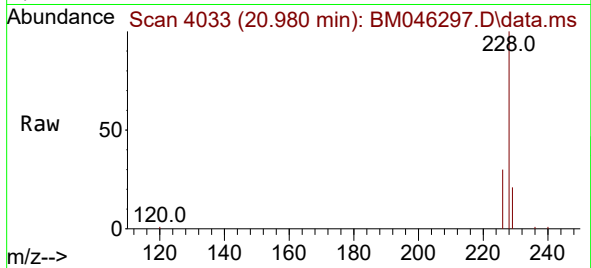
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Ion Ratio Lower Upper  
202 100  
101 11.3 11.3 16.9  
100 9.4 9.8 14.6#



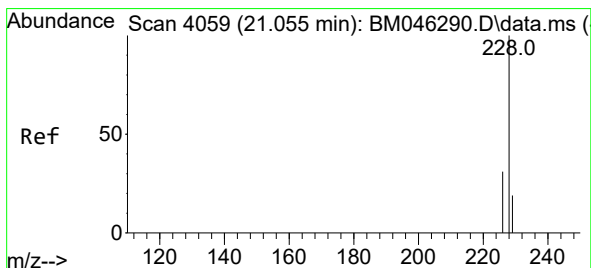
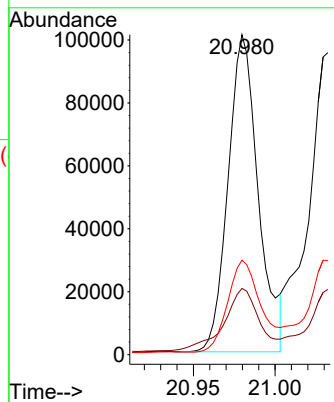
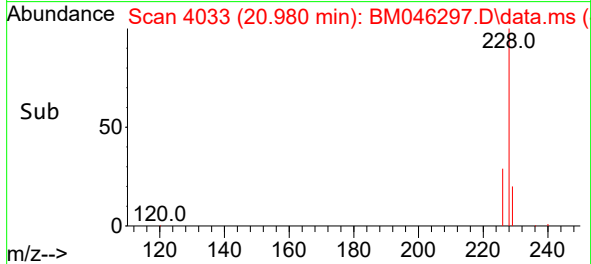


#21  
Benzo(a)anthracene  
Concen: 4.867 ng/ul  
RT: 20.980 min Scan# 4042  
Delta R.T. -0.032 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

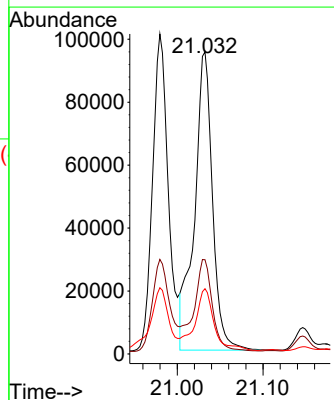
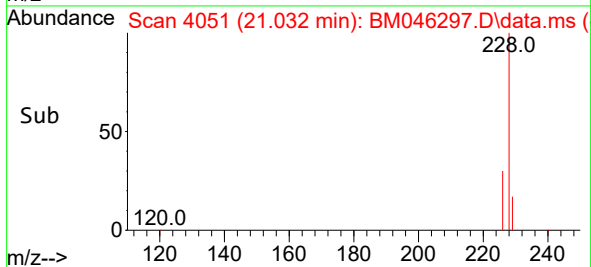
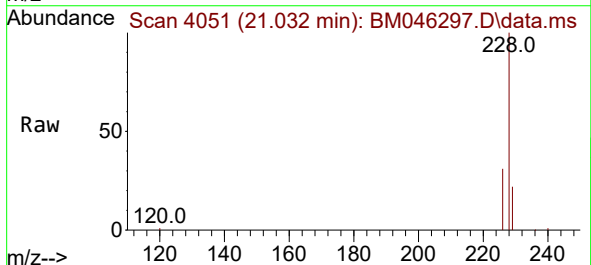


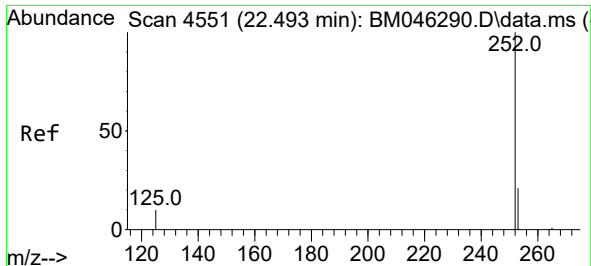
Tgt Ion:228 Resp: 129331  
Ion Ratio Lower Upper  
228 100  
229 20.7 16.4 24.6  
226 29.6 23.4 35.2



#22  
Chrysene  
Concen: 4.091 ng/ul  
RT: 21.032 min Scan# 4051  
Delta R.T. -0.026 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

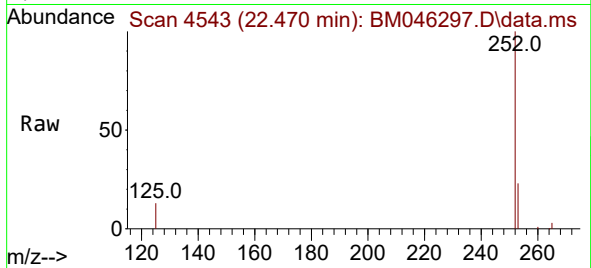
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Ion Ratio Lower Upper  
228 100  
226 31.2 25.2 37.8  
229 21.6 16.3 24.5



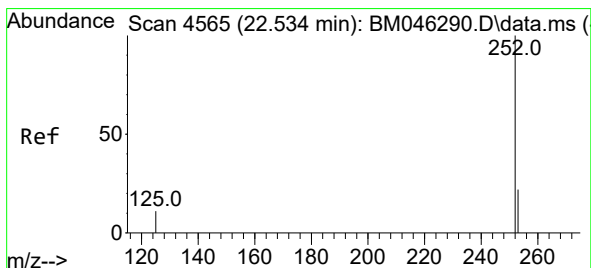
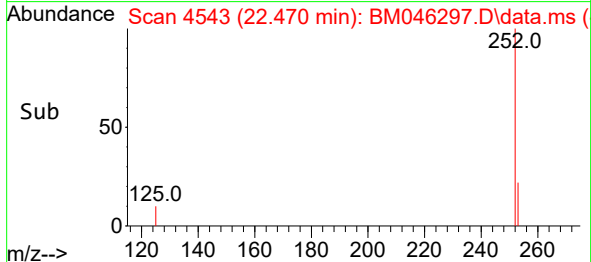
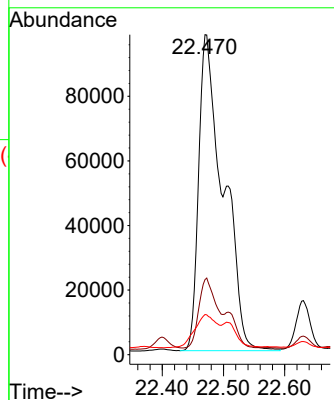


#24  
Benzo(b)fluoranthene  
Concen: 8.776 ng/ul  
RT: 22.470 min Scan# 4543  
Delta R.T. -0.026 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

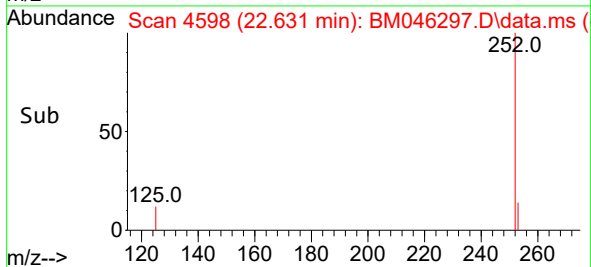
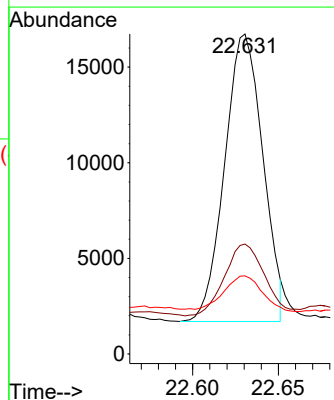
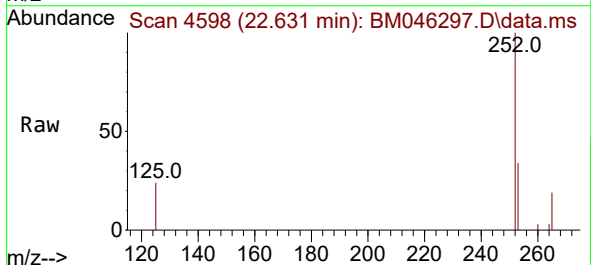


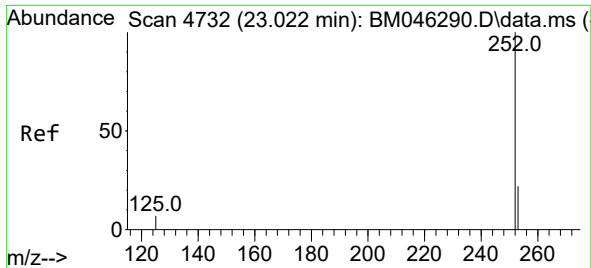
Tgt Ion:252 Resp: 272489  
Ion Ratio Lower Upper  
252 100  
253 23.5 0.0 65.8  
125 12.5 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 0.630 ng/ul  
RT: 22.631 min Scan# 4598  
Delta R.T. 0.094 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

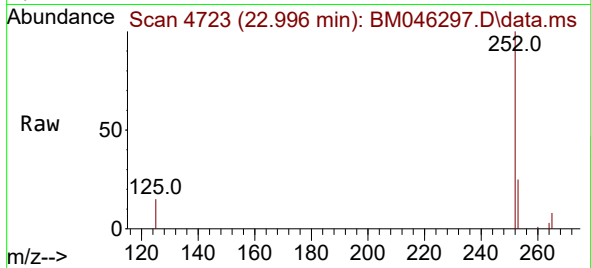
Tgt Ion:252 Resp: 23241  
Ion Ratio Lower Upper  
252 100  
253 34.4 27.2 40.8  
125 24.4 16.6 25.0



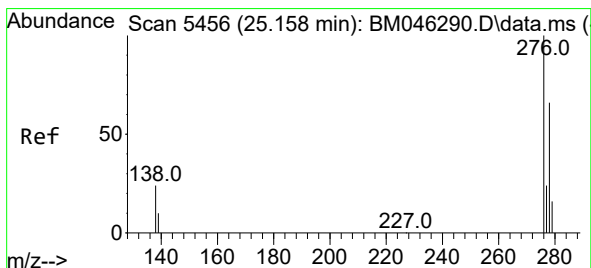
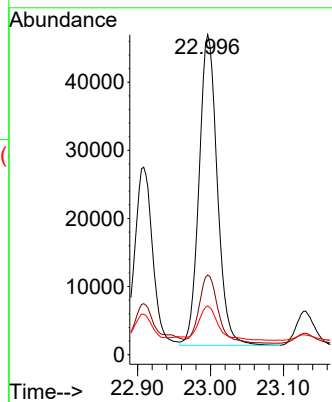
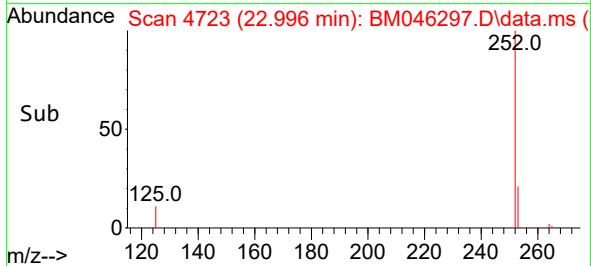


#26  
Benzo(a)pyrene  
Concen: 2.751 ng/ul  
RT: 22.996 min Scan# 4723  
Delta R.T. -0.032 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :

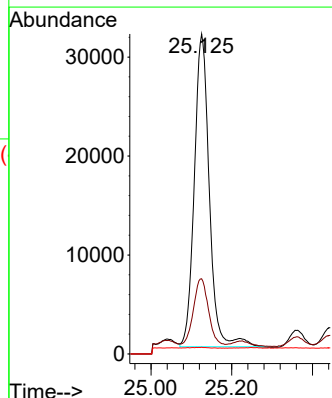
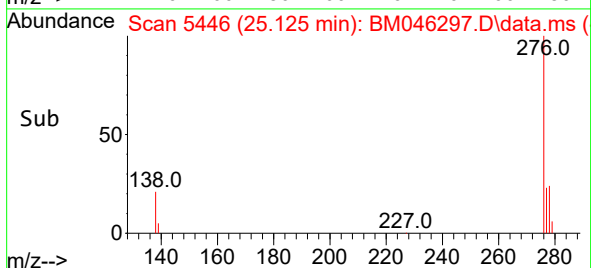
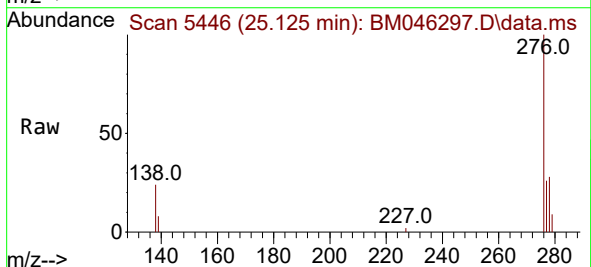


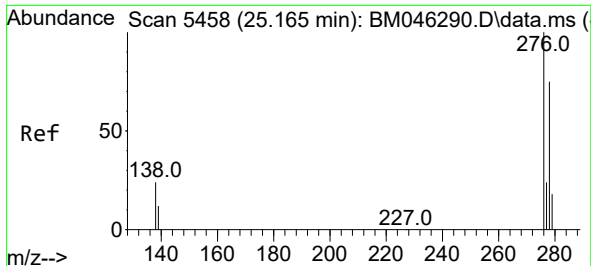
Tgt Ion:252 Resp: 79147  
Ion Ratio Lower Upper  
252 100  
253 24.9 32.1 48.1#  
125 15.3 21.2 31.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.725 ng/ul  
RT: 25.125 min Scan# 5446  
Delta R.T. -0.043 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

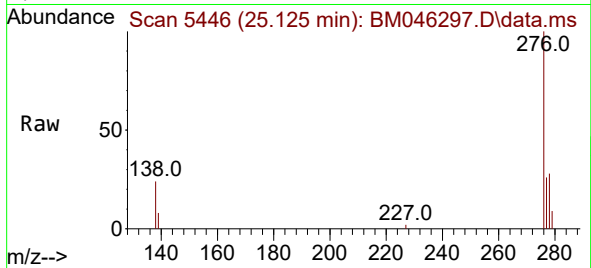
Tgt Ion:276 Resp: 81227  
Ion Ratio Lower Upper  
276 100  
138 28.2 21.0 31.4  
227 14.8 0.0 0.0#



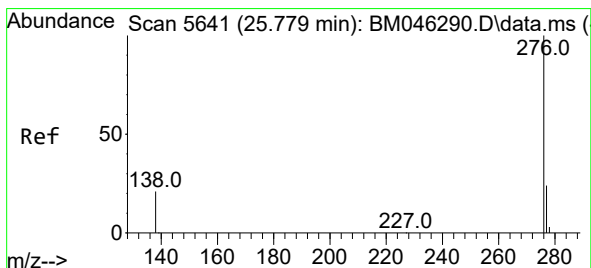
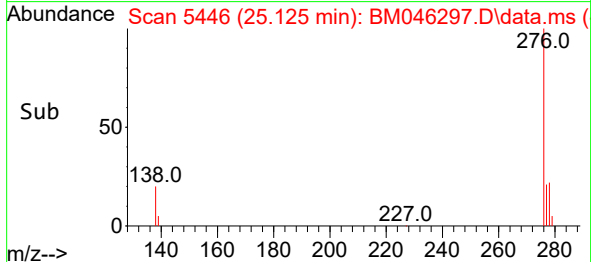
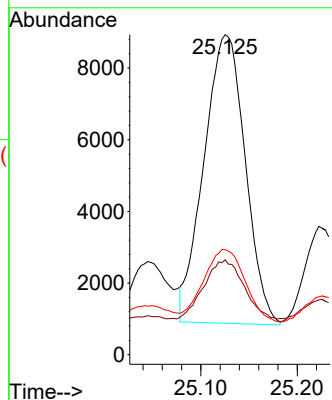


#28  
Dibenzo(a,h)anthracene  
Concen: 0.684 ng/ul  
RT: 25.125 min Scan# 5458  
Delta R.T. -0.057 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Instrument :  
BNA\_G  
ClientSampleId :



Tgt Ion:278 Resp: 23988  
Ion Ratio Lower Upper  
278 100  
139 29.6 17.6 26.4#  
279 32.8 26.3 39.5



#29  
Benzo(g,h,i)perylene  
Concen: 0.313 ng/ul  
RT: 25.746 min Scan# 5631  
Delta R.T. -0.040 min  
Lab File: BM046297.D  
Acq: 25 Jun 2024 18:30

Tgt Ion:276 Resp: 12626  
Ion Ratio Lower Upper  
276 100  
138 34.3 21.7 32.5#  
277 33.7 20.4 30.6#

