

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122324\  
 Data File : BM049182.D  
 Acq On : 24 Dec 2024 13:32  
 Operator : RC/JU  
 Sample : P5333-15  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E2917

Quant Time: Dec 24 21:40:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 18 15:33:13 2024  
 Response via : Initial Calibration

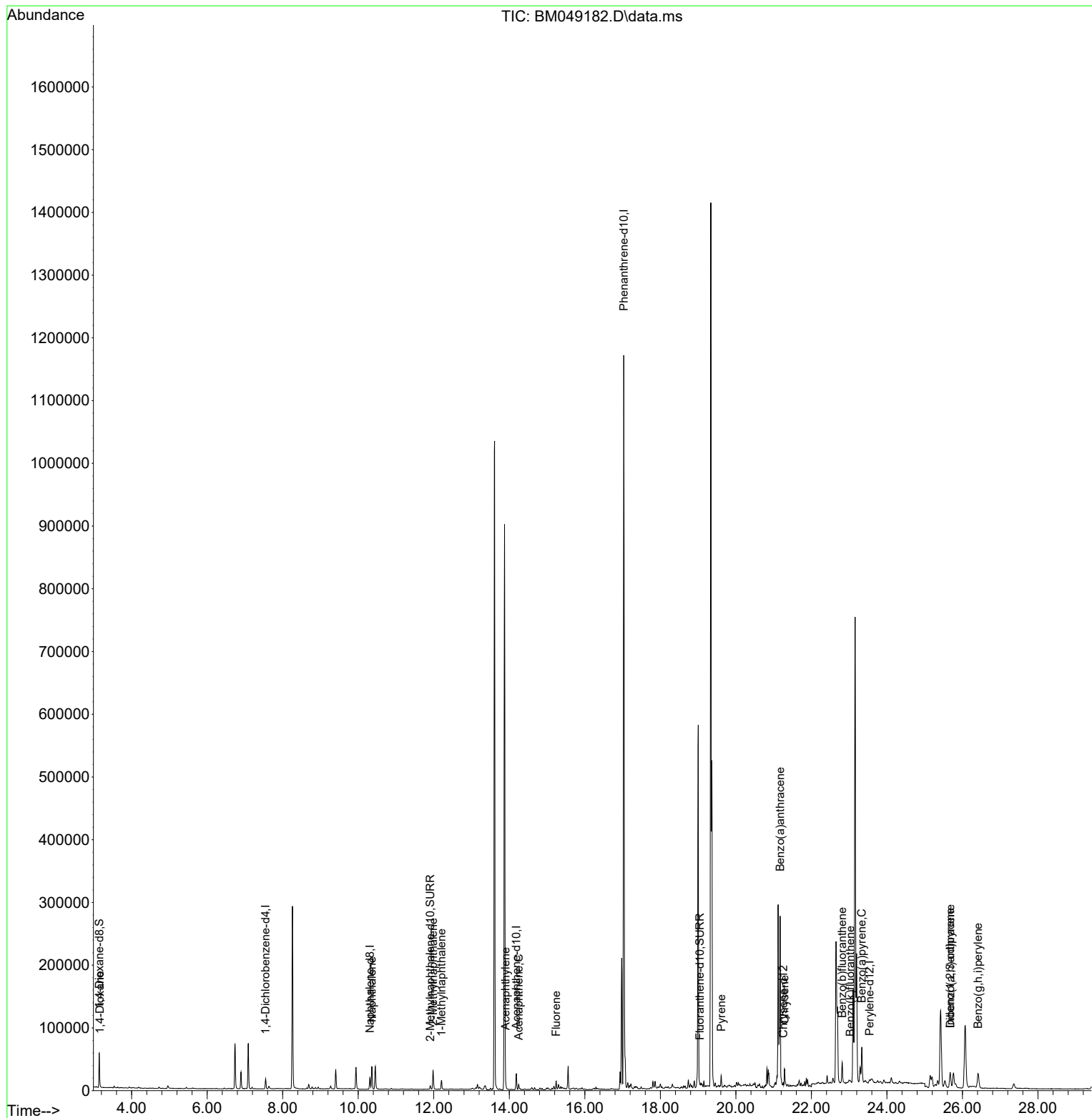
| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| -----                       |        |      |          |         |        |          |
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.548  | 152  | 7488     | 0.400   | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.310 | 136  | 23554    | 0.400   | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.188 | 164  | 13484    | 0.400   | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.032 | 188  | 1346157  | 0.400   | ng/ul  | 0.08     |
| 17) Chrysene-d12            | 21.254 | 240  | 213      | 0.400   | ng/ul  | # 0.11   |
| 23) Perylene-d12            | 23.536 | 264  | 1667     | 0.400   | ng/ul  | # 0.23   |
|                             |        |      |          |         |        |          |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.143  | 96   | 32894    | 3.809   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.910 | 152  | 7736     | 0.244   | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.049 | 212  | 1287     | 2.130   | ng/ul  | 0.07     |
|                             |        |      |          |         |        |          |
| Target Compounds            |        |      |          |         |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.155  | 88   | 333      | 0.033   | ng/ul# | 8        |
| 5) Naphthalene              | 10.359 | 128  | 25189    | 0.427   | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.981 | 142  | 22972    | 0.615   | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.207 | 142  | 10311    | 0.270   | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.901 | 152  | 7889     | 0.141   | ng/ul# | 91       |
| 11) Acenaphthene            | 14.248 | 153  | 5305     | 0.130   | ng/ul  | 98       |
| 12) Fluorene                | 15.242 | 166  | 7372     | 0.160   | ng/ul# | 96       |
| 20) Pyrene                  | 19.611 | 202  | 4924     | 5.995   | ng/ul# | 67       |
| 21) Benzo(a)anthracene      | 21.172 | 228  | 246454   | 332.634 | ng/ul  | 94       |
| 22) Chrysene                | 21.289 | 228  | 21565    | 27.121  | ng/ul# | 45       |
| 24) Benzo(b)fluoranthene    | 22.814 | 252  | 40705    | 7.643   | ng/ul  | 90       |
| 25) Benzo(k)fluoranthene    | 23.031 | 252  | 5992     | 1.025   | ng/ul# | 1        |
| 26) Benzo(a)pyrene          | 23.335 | 252  | 68787    | 13.468  | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.675 | 276  | 8816     | 1.220   | ng/ul# | 59       |
| 28) Dibenzo(a,h)anthracene  | 25.678 | 278  | 33898    | 6.036   | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 26.413 | 276  | 47450    | 8.163   | ng/ul# | 91       |
| -----                       |        |      |          |         |        |          |

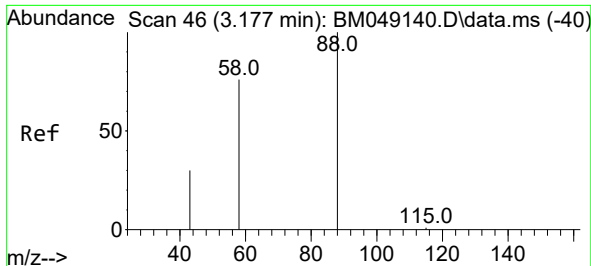
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122324\  
Data File : BM049182.D  
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ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2917

Quant Time: Dec 24 21:40:28 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

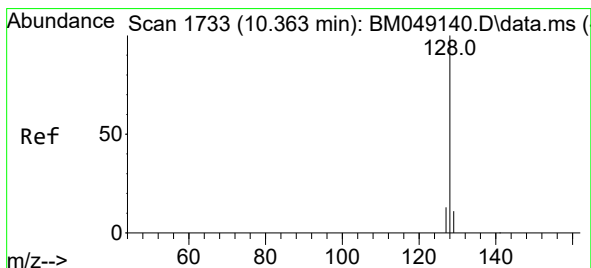
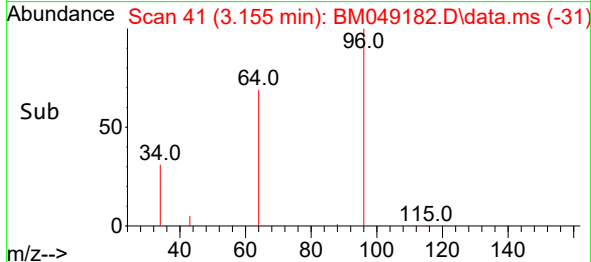
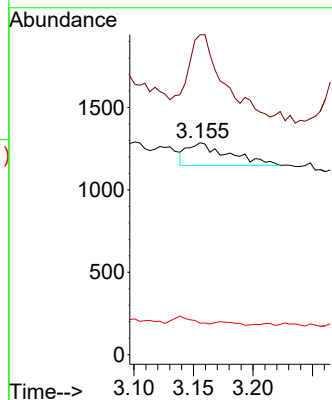
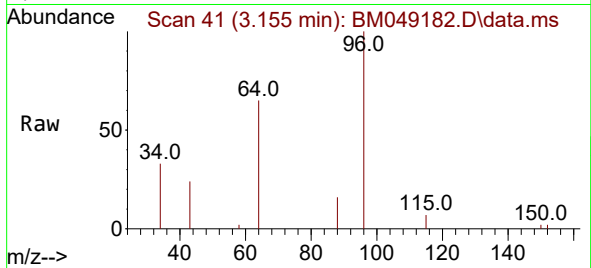




#2  
1,4-Dioxane  
Concen: 0.033 ng/ul  
RT: 3.155 min Scan# 41  
Delta R.T. -0.030 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

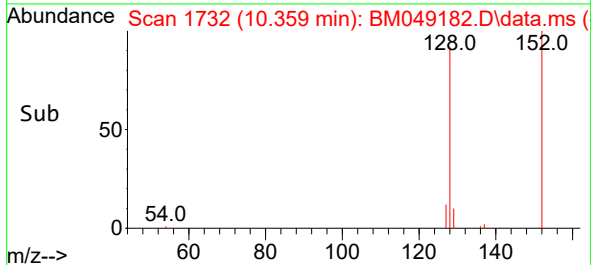
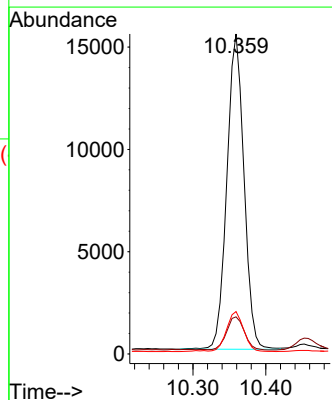
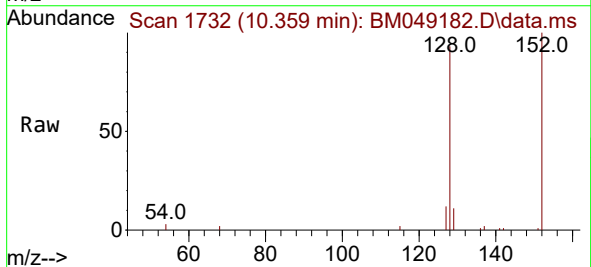
Instrument :  
BNA\_M  
ClientSampleId :  
E2917

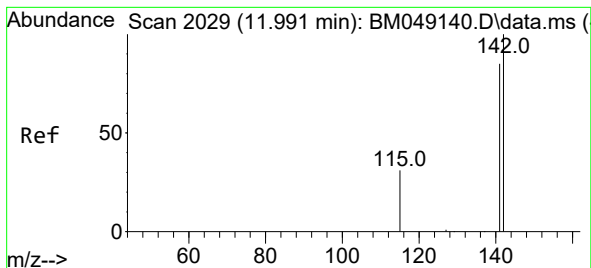
Tgt Ion: 88 Resp: 333  
Ion Ratio Lower Upper  
88 100  
43 150.8 45.4 68.2#  
58 14.9 43.6 65.4#



#5  
Naphthalene  
Concen: 0.427 ng/ul  
RT: 10.359 min Scan# 1732  
Delta R.T. -0.021 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

Tgt Ion: 128 Resp: 25189  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.7 14.5  
127 13.2 10.6 16.0

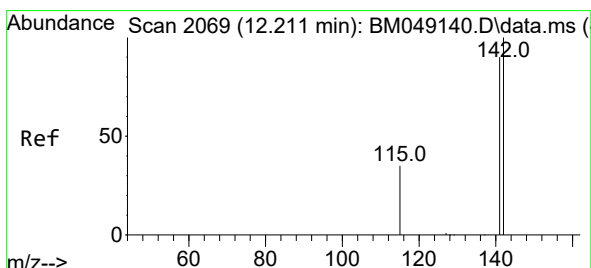
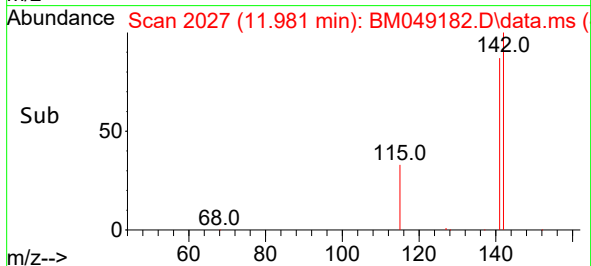
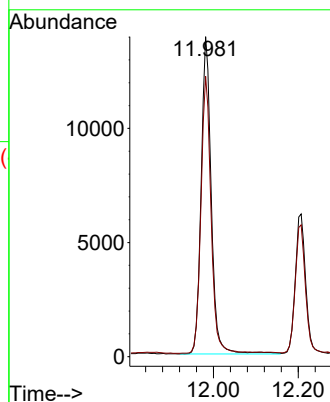
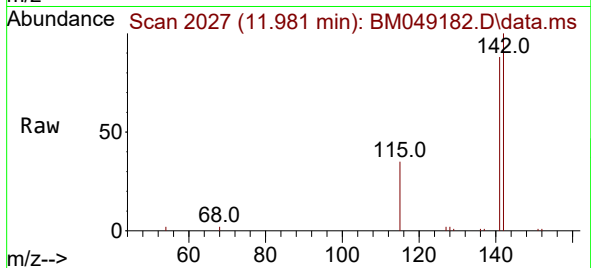




#7  
2-Methylnaphthalene  
Concen: 0.615 ng/ul  
RT: 11.981 min Scan# 2029  
Delta R.T. -0.021 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

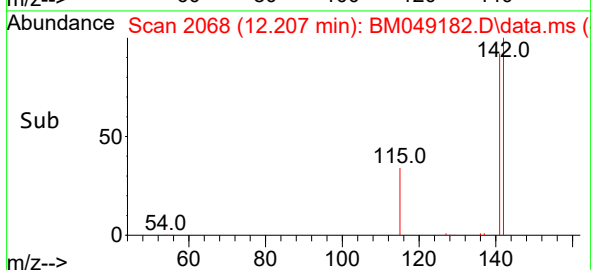
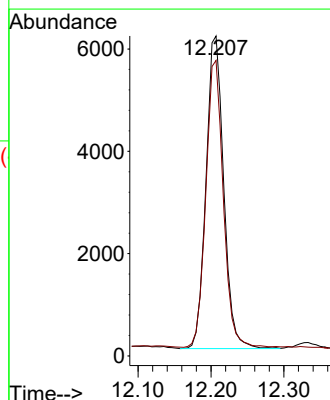
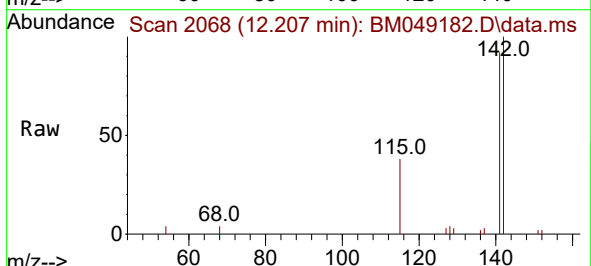
Instrument :  
BNA\_M  
ClientSampleId :  
E2917

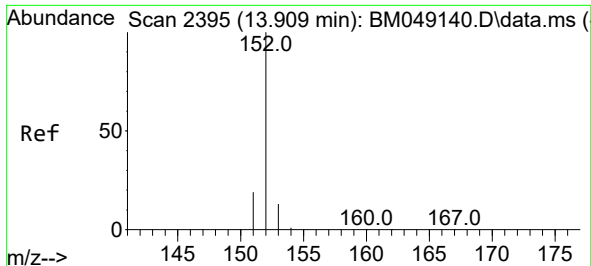
Tgt Ion:142 Resp: 22972  
Ion Ratio Lower Upper  
142 100  
141 88.0 71.7 107.5



#8  
1-Methylnaphthalene  
Concen: 0.270 ng/ul  
RT: 12.207 min Scan# 2068  
Delta R.T. -0.015 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

Tgt Ion:142 Resp: 10311  
Ion Ratio Lower Upper  
142 100  
141 92.4 72.7 109.1

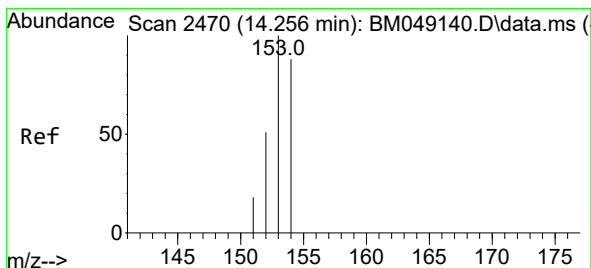
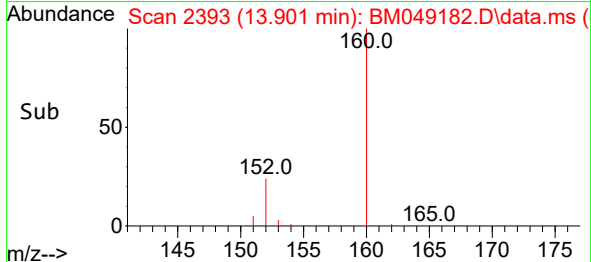
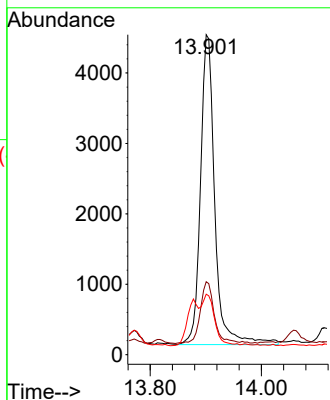
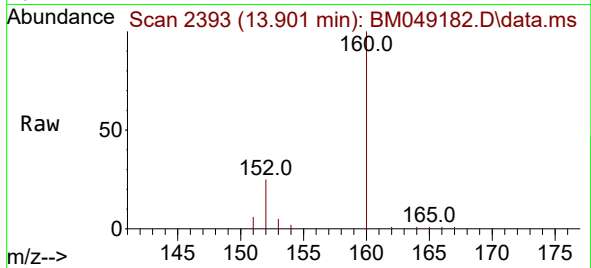




#10  
Acenaphthylene  
Concen: 0.141 ng/ul  
RT: 13.901 min Scan# 21  
Delta R.T. -0.017 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

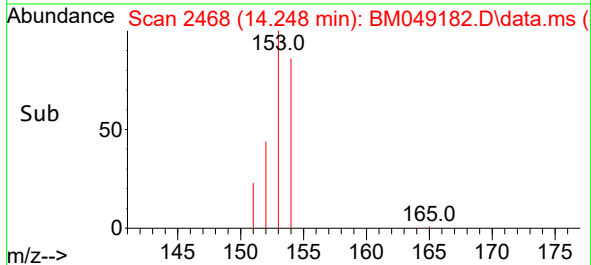
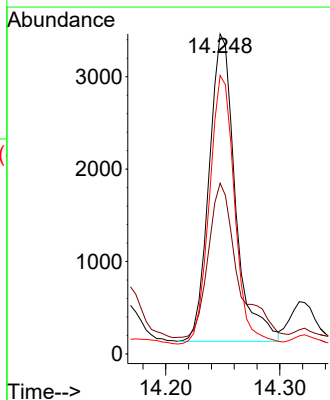
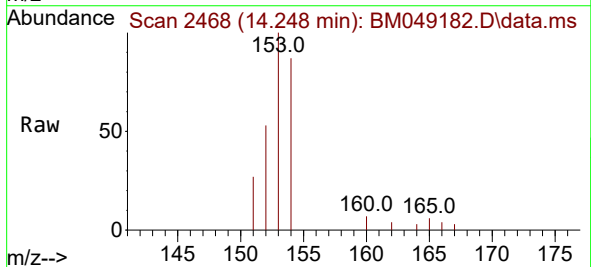
Instrument :  
BNA\_M  
ClientSampleId :  
E2917

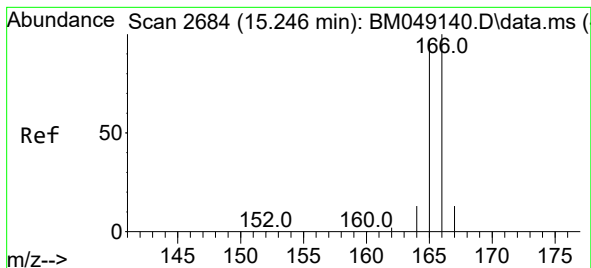
Tgt Ion:152 Resp: 7889  
Ion Ratio Lower Upper  
152 100  
151 22.8 16.0 24.0  
153 18.9 11.0 16.6#



#11  
Acenaphthene  
Concen: 0.130 ng/ul  
RT: 14.248 min Scan# 2468  
Delta R.T. -0.017 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

Tgt Ion:153 Resp: 5305  
Ion Ratio Lower Upper  
153 100  
152 53.4 40.7 61.1  
154 87.0 70.8 106.2





#12

Fluorene

Concen: 0.160 ng/ul

RT: 15.242 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM049182.D

Acq: 24 Dec 2024 13:32

Instrument :

BNA\_M

ClientSampleId :

E2917

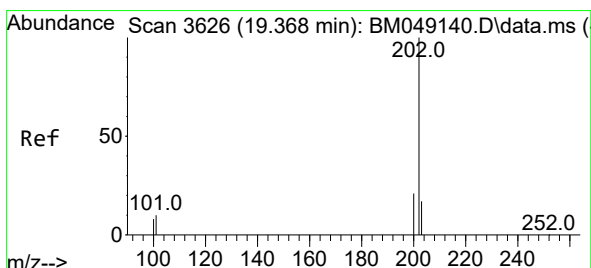
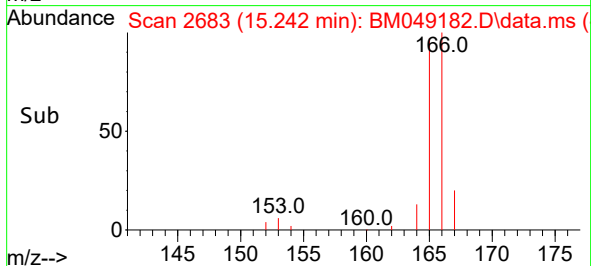
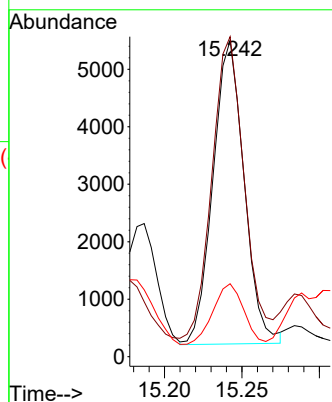
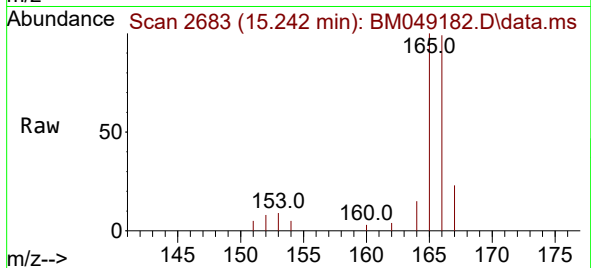
Tgt Ion:166 Resp: 7372

Ion Ratio Lower Upper

166 100

165 101.1 79.7 119.5

167 23.1 11.4 17.0#



#20

Pyrene

Concen: 5.995 ng/ul

RT: 19.611 min Scan# 3678

Delta R.T. 0.234 min

Lab File: BM049182.D

Acq: 24 Dec 2024 13:32

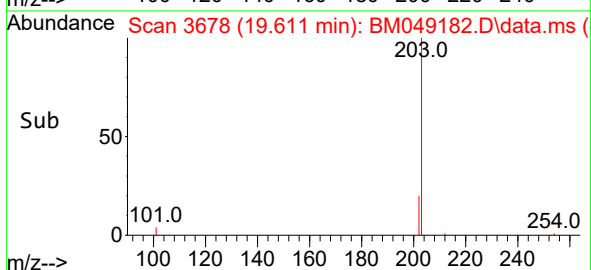
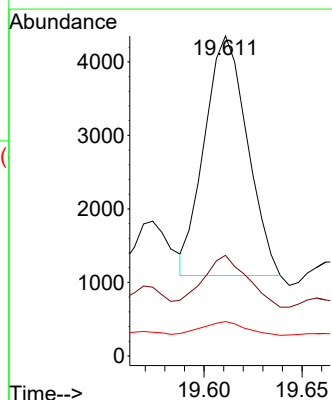
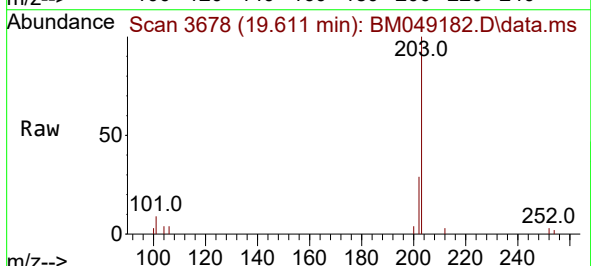
Tgt Ion:202 Resp: 4924

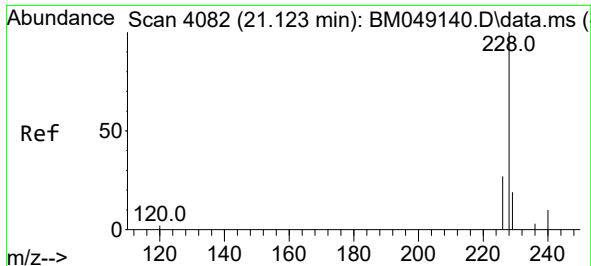
Ion Ratio Lower Upper

202 100

101 31.5 8.9 13.3#

100 10.7 6.9 10.3#

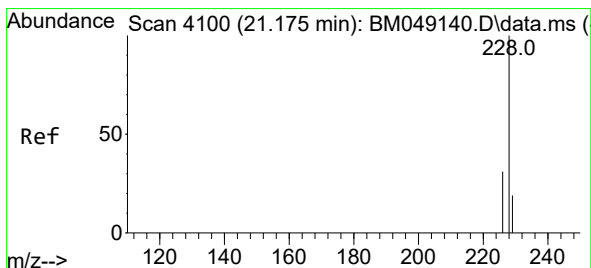
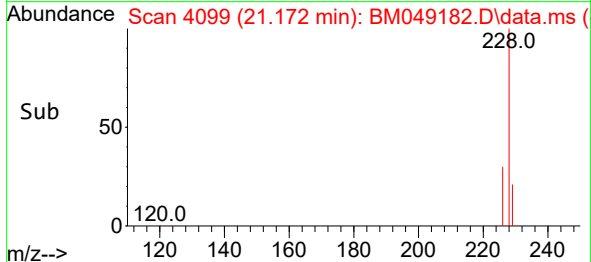
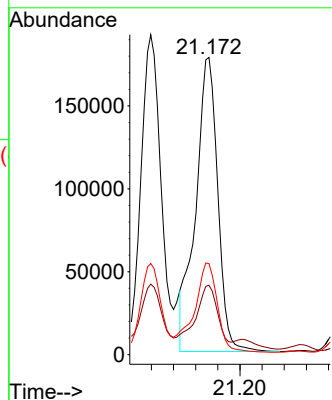
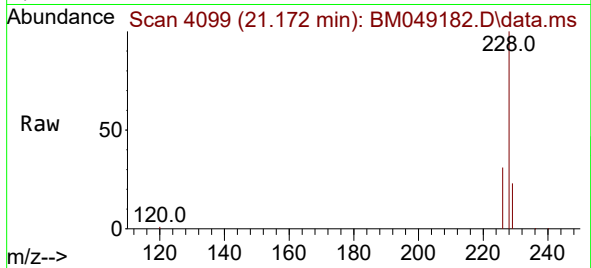




#21  
Benzo(a)anthracene  
Concen: 332.634 ng/ul  
RT: 21.172 min Scan# 4082  
Delta R.T. 0.041 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

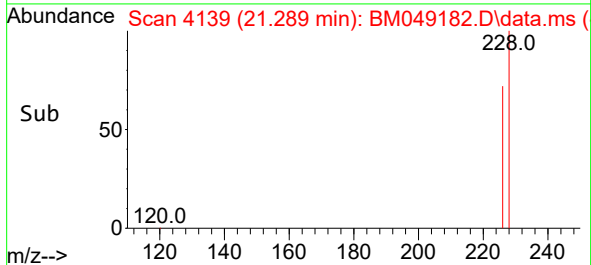
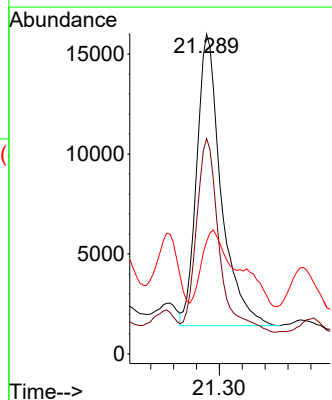
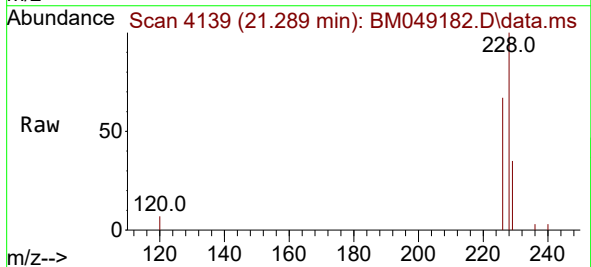
Instrument :  
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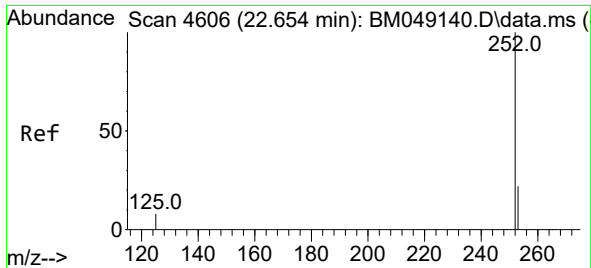
Tgt Ion:228 Resp: 246454  
Ion Ratio Lower Upper  
228 100  
229 23.4 15.9 23.9  
226 30.6 22.6 34.0



#22  
Chrysene  
Concen: 27.121 ng/ul  
RT: 21.289 min Scan# 4139  
Delta R.T. 0.105 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

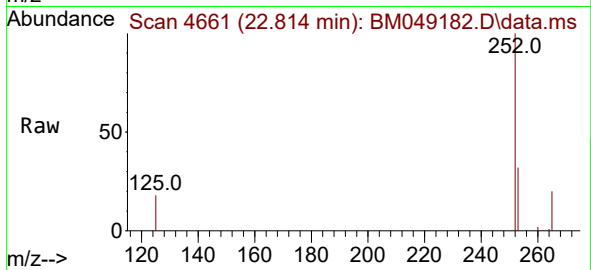
Tgt Ion:228 Resp: 21565  
Ion Ratio Lower Upper  
228 100  
226 67.3 24.1 36.1#  
229 35.1 15.8 23.8#



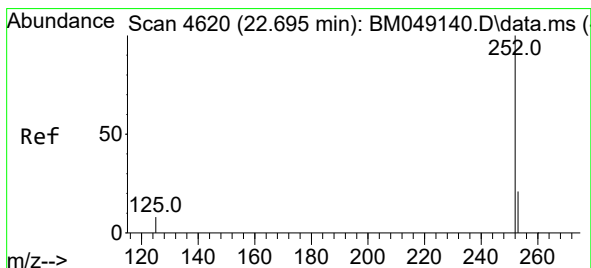
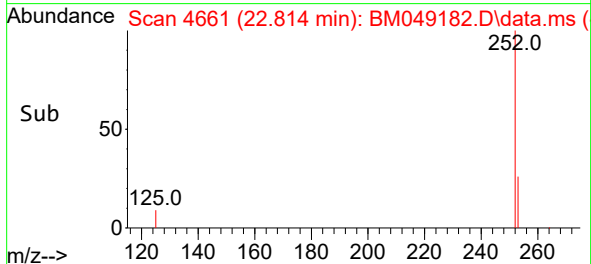
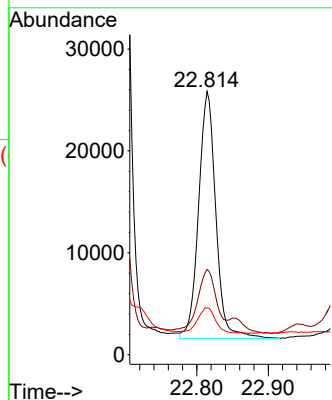


#24  
Benzo(b)fluoranthene  
Concen: 7.643 ng/ul  
RT: 22.814 min Scan# 4661  
Delta R.T. 0.152 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

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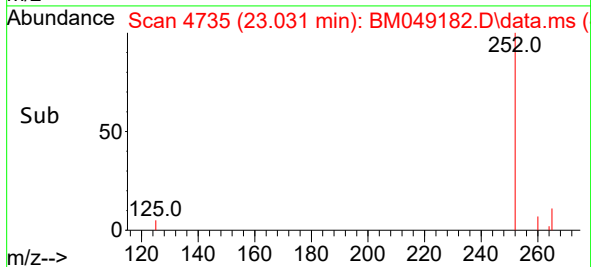
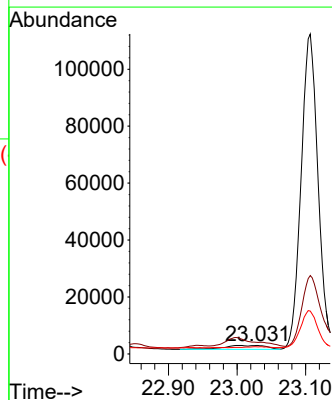
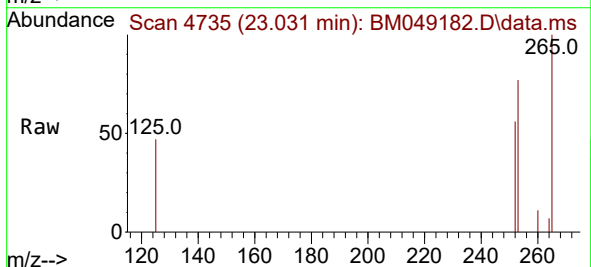


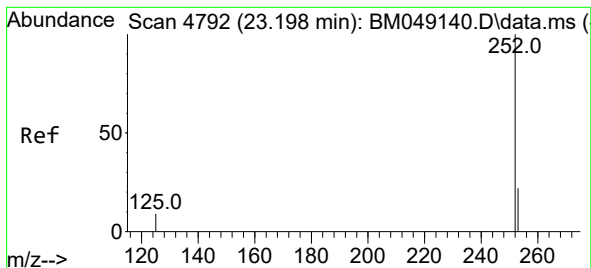
Tgt Ion:252 Resp: 40705  
Ion Ratio Lower Upper  
252 100  
253 32.4 0.0 52.6  
125 17.7 0.0 30.8



#25  
Benzo(k)fluoranthene  
Concen: 1.025 ng/ul  
RT: 23.031 min Scan# 4735  
Delta R.T. 0.324 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

Tgt Ion:252 Resp: 5992  
Ion Ratio Lower Upper  
252 100  
253 136.1 21.3 31.9#  
125 83.2 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 13.468 ng/ul

RT: 23.335 min Scan# 4

Delta R.T. 0.125 min

Lab File: BM049182.D

Acq: 24 Dec 2024 13:32

Instrument :

BNA\_M

ClientSampleId :

E2917

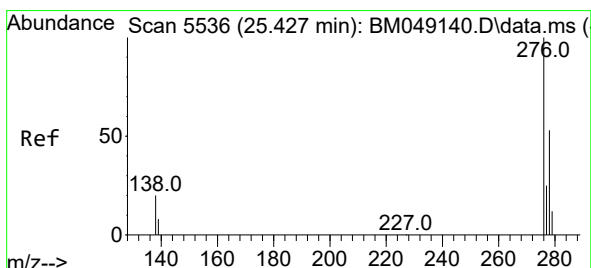
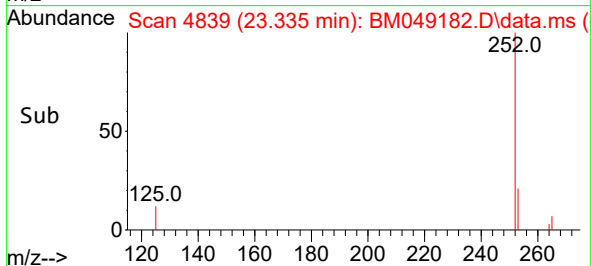
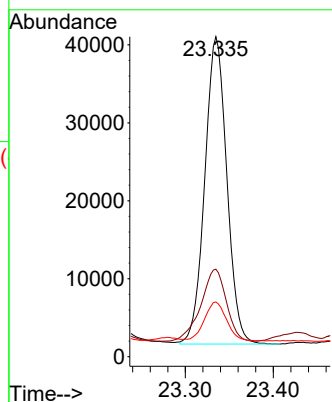
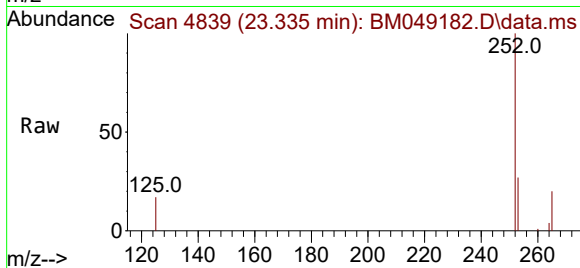
Tgt Ion:252 Resp: 68787

Ion Ratio Lower Upper

252 100

253 27.4 22.4 33.6

125 17.1 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.220 ng/ul

RT: 25.675 min Scan# 5610

Delta R.T. 0.228 min

Lab File: BM049182.D

Acq: 24 Dec 2024 13:32

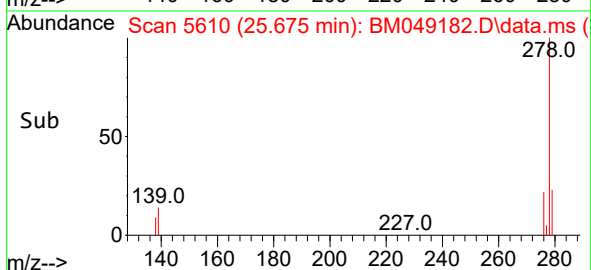
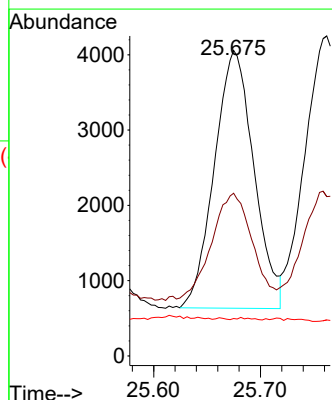
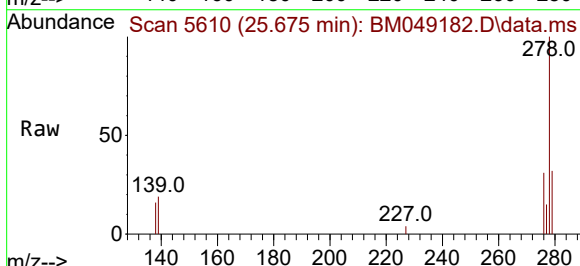
Tgt Ion:276 Resp: 8816

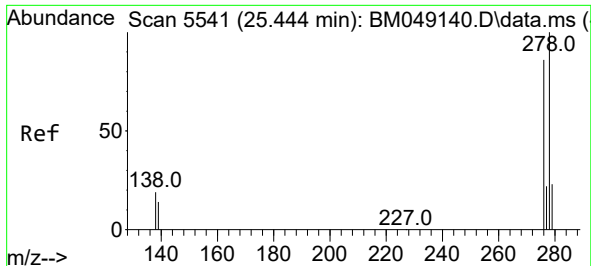
Ion Ratio Lower Upper

276 100

138 41.7 17.4 26.2#

227 0.4 0.2 0.2#

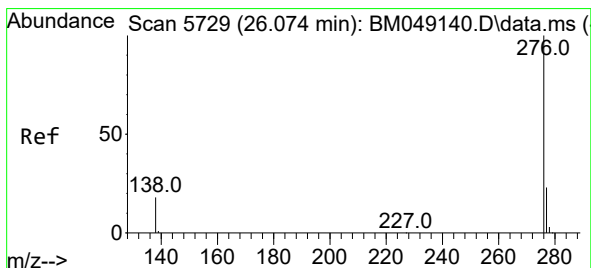
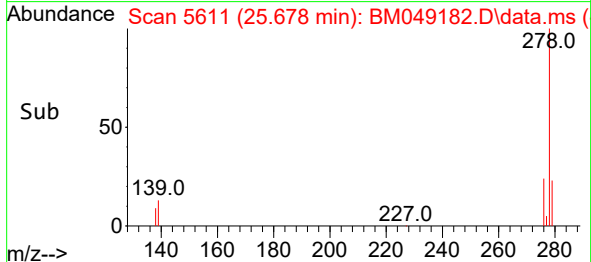
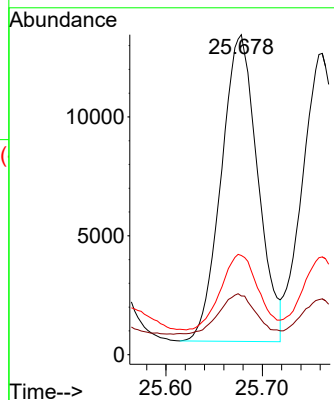
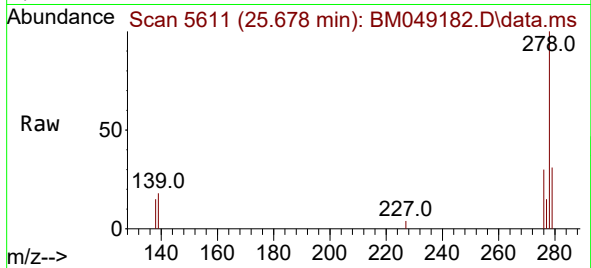




#28  
Dibenzo(a,h)anthracene  
Concen: 6.036 ng/ul  
RT: 25.678 min Scan# 501  
Delta R.T. 0.211 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

Instrument :  
BNA\_M  
ClientSampleId :  
E2917

Tgt Ion:278 Resp: 33898  
Ion Ratio Lower Upper  
278 100  
139 18.4 13.5 20.3  
279 31.0 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 8.163 ng/ul  
RT: 26.413 min Scan# 5830  
Delta R.T. 0.318 min  
Lab File: BM049182.D  
Acq: 24 Dec 2024 13:32

Tgt Ion:276 Resp: 47450  
Ion Ratio Lower Upper  
276 100  
138 22.3 16.7 25.1  
277 31.5 19.9 29.9#

