

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122024\  
 Data File : BM049126.D  
 Acq On : 21 Dec 2024 07:14  
 Operator : RC/JU  
 Sample : P5265-08  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E28Z3

Quant Time: Dec 22 23:06:19 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

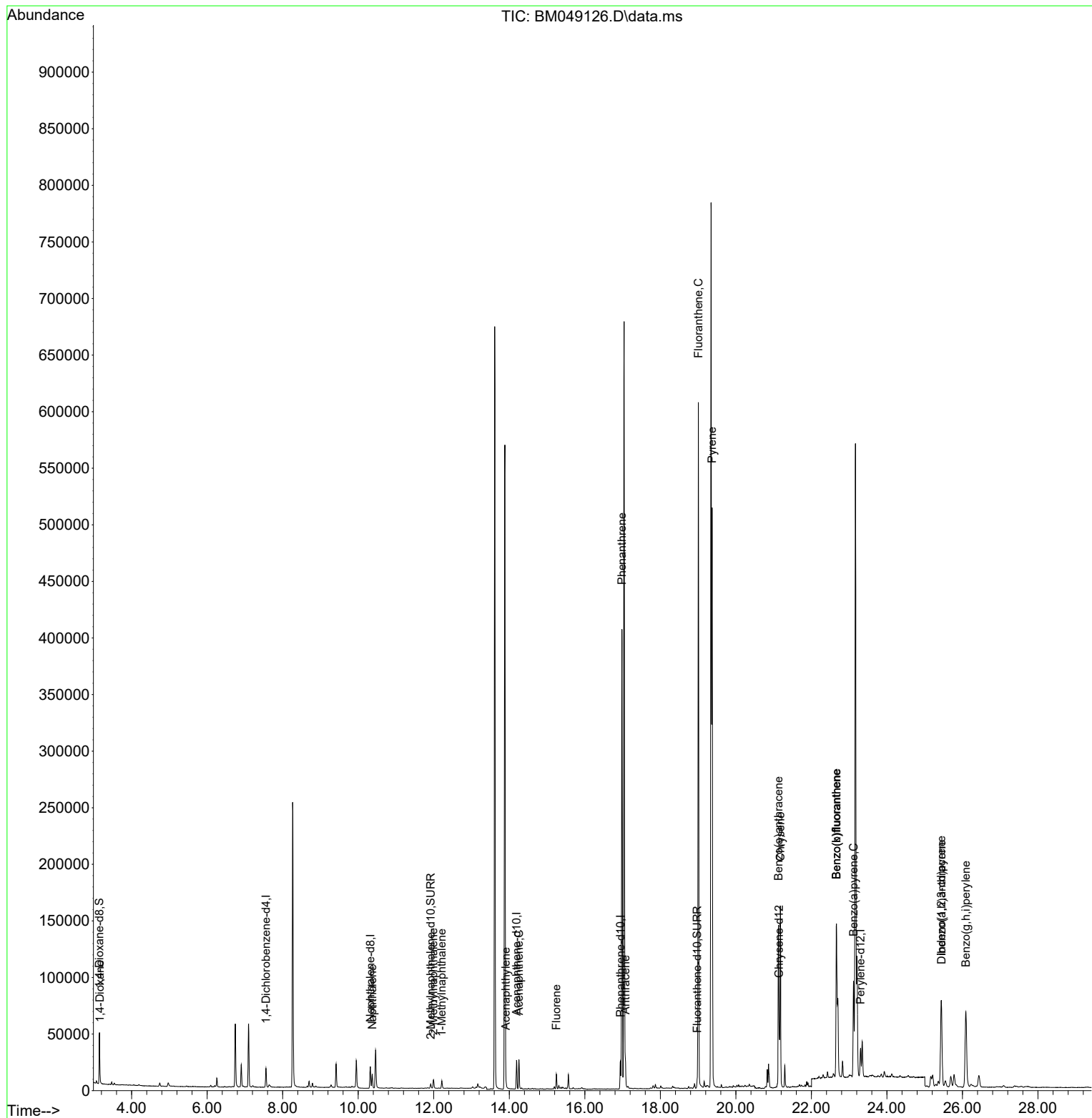
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.556  | 152  | 8194     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.320 | 136  | 24862    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.192 | 164  | 13568    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.943 | 188  | 29040    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.143 | 240  | 26236    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.302 | 264  | 31161    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.147  | 96   | 27378    | 2.897 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.921 | 152  | 5384     | 0.161 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.979 | 212  | 8555     | 0.115 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.160  | 88   | 258      | 0.023 | ng/ul# | 40       |
| 5) Naphthalene              | 10.370 | 128  | 8326     | 0.134 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 11.992 | 142  | 6215     | 0.158 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.212 | 142  | 4811     | 0.119 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.910 | 152  | 3750     | 0.067 | ng/ul# | 86       |
| 11) Acenaphthene            | 14.257 | 153  | 14658    | 0.357 | ng/ul  | 100      |
| 12) Fluorene                | 15.247 | 166  | 8053     | 0.174 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.981 | 178  | 418858   | 5.522 | ng/ul  | 98       |
| 16) Anthracene              | 17.074 | 178  | 22295    | 0.320 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.007 | 202  | 506364   | 5.338 | ng/ul  | 99       |
| 20) Pyrene                  | 19.369 | 202  | 415905   | 4.111 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.128 | 228  | 115382   | 1.264 | ng/ul  | 99       |
| 22) Chrysene                | 21.178 | 228  | 147880   | 1.510 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.662 | 252  | 281487   | 2.827 | ng/ul  | 92       |
| 25) Benzo(k)fluoranthene    | 22.662 | 252  | 281482   | 2.577 | ng/ul# | 92       |
| 26) Benzo(a)pyrene          | 23.115 | 252  | 108746   | 1.139 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.440 | 276  | 124733   | 0.923 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.447 | 278  | 22285    | 0.212 | ng/ul# | 93       |
| 29) Benzo(g,h,i)perylene    | 26.091 | 276  | 136382   | 1.255 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

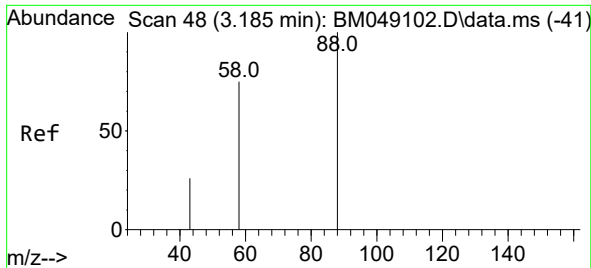
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122024\  
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Quant Time: Dec 22 23:06:19 2024  
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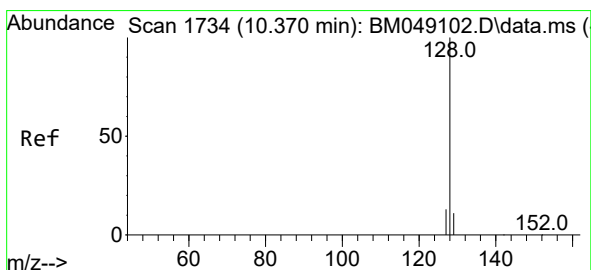
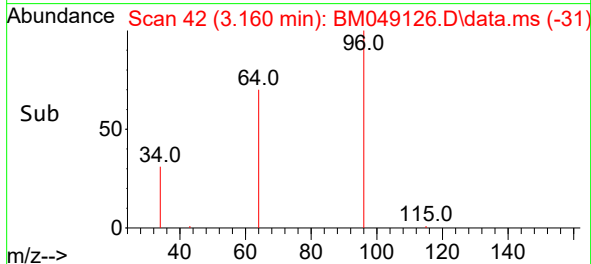
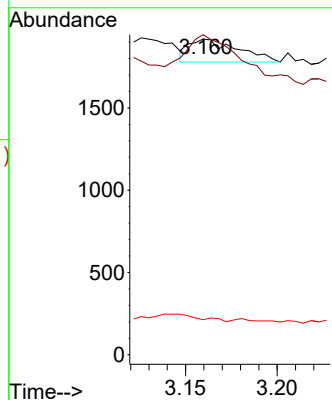
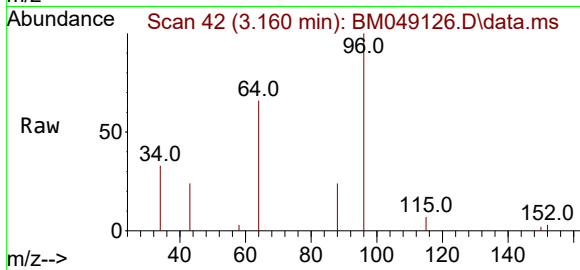




#2  
1,4-Dioxane  
Concen: 0.023 ng/ul  
RT: 3.160 min Scan# 41  
Delta R.T. -0.025 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

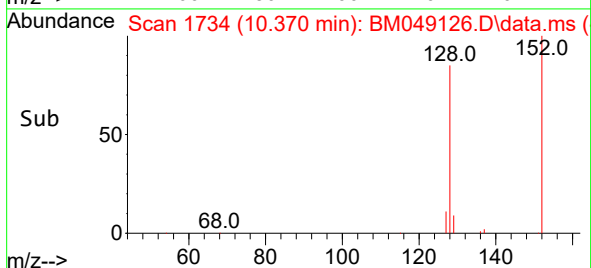
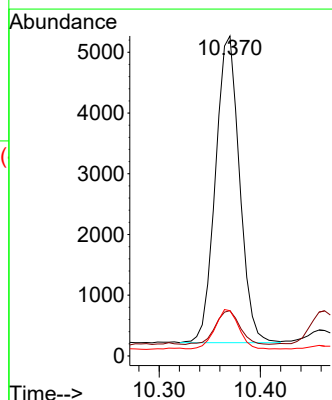
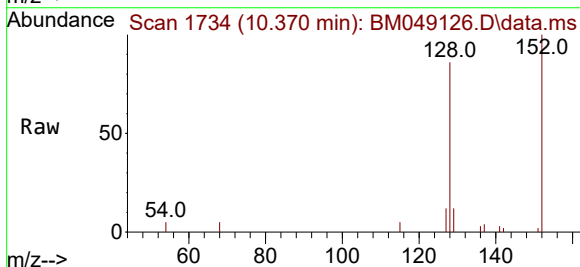
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z3

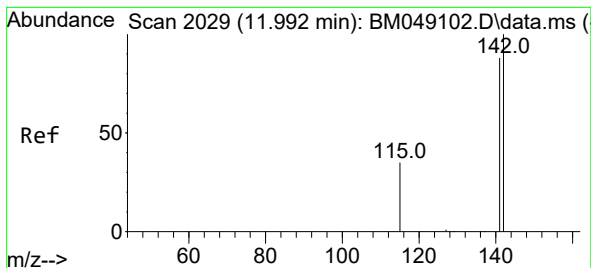
Tgt Ion: 88 Resp: 258  
Ion Ratio Lower Upper  
88 100  
43 101.4 45.4 68.2#  
58 11.1 43.6 65.4#



#5  
Naphthalene  
Concen: 0.134 ng/ul  
RT: 10.370 min Scan# 1734  
Delta R.T. -0.010 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Tgt Ion: 128 Resp: 8326  
Ion Ratio Lower Upper  
128 100  
129 14.1 9.7 14.5  
127 14.1 10.6 16.0

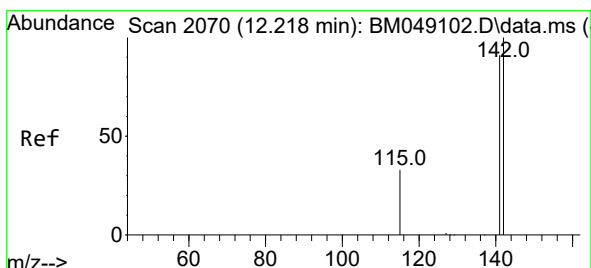
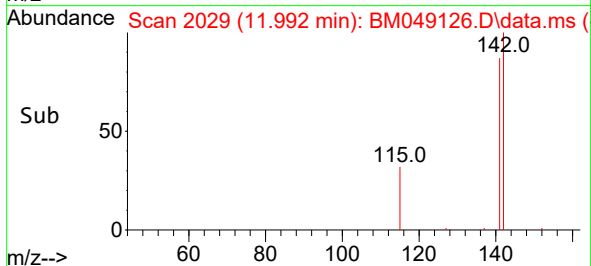
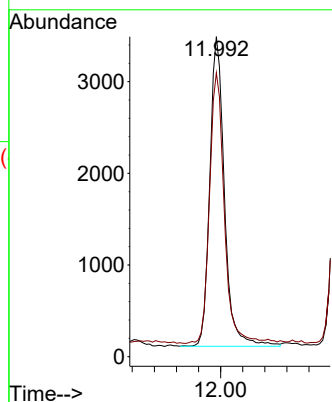
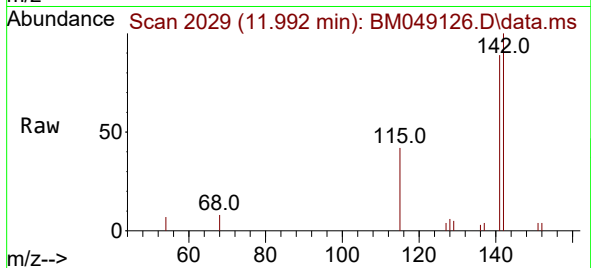




#7  
2-Methylnaphthalene  
Concen: 0.158 ng/ul  
RT: 11.992 min Scan# 2029  
Delta R.T. -0.010 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

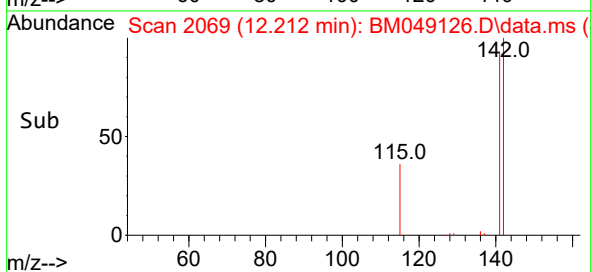
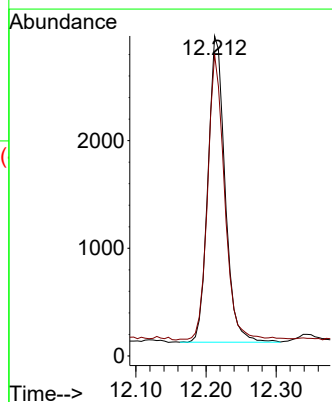
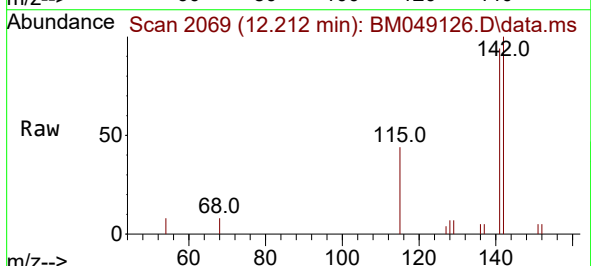
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z3

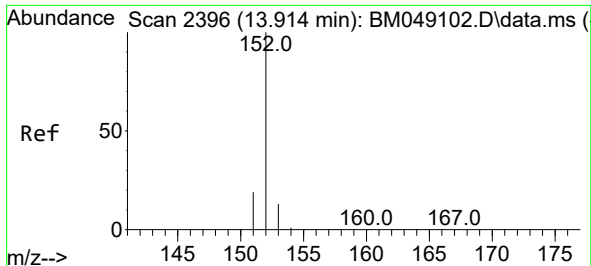
Tgt Ion:142 Resp: 6215  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.7 107.5



#8  
1-Methylnaphthalene  
Concen: 0.119 ng/ul  
RT: 12.212 min Scan# 2069  
Delta R.T. -0.010 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Tgt Ion:142 Resp: 4811  
Ion Ratio Lower Upper  
142 100  
141 93.0 72.7 109.1

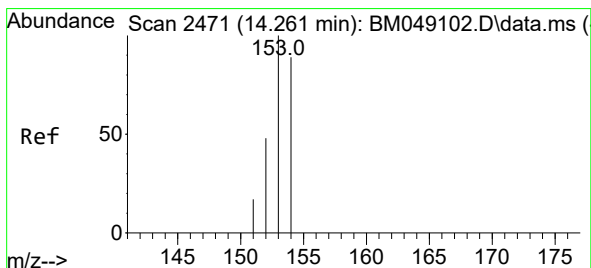
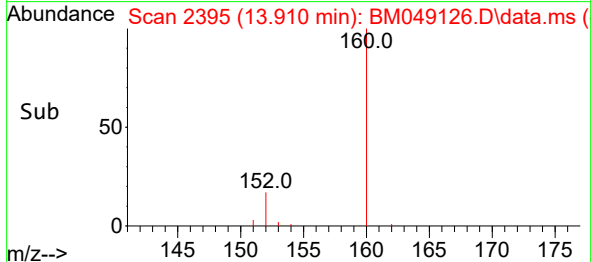
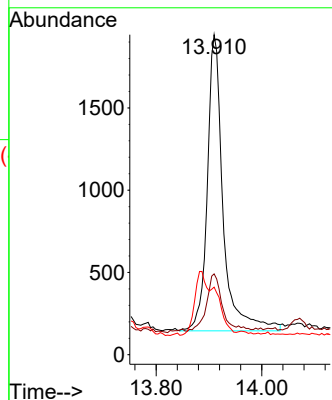
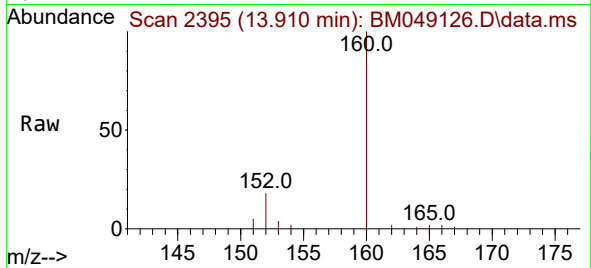




#10  
Acenaphthylene  
Concen: 0.067 ng/ul  
RT: 13.910 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

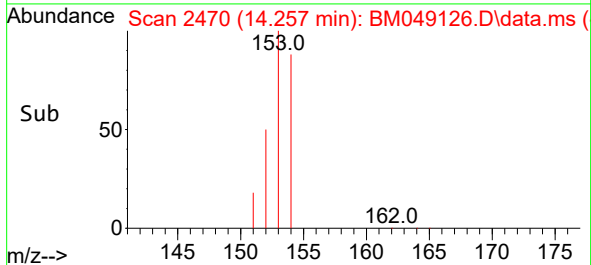
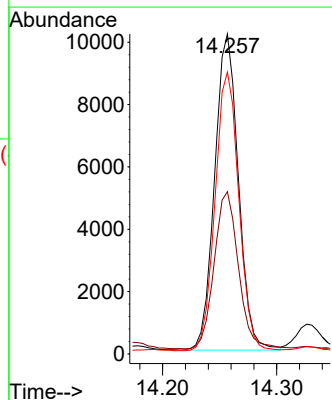
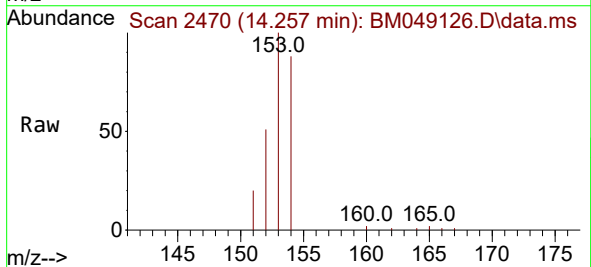
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z3

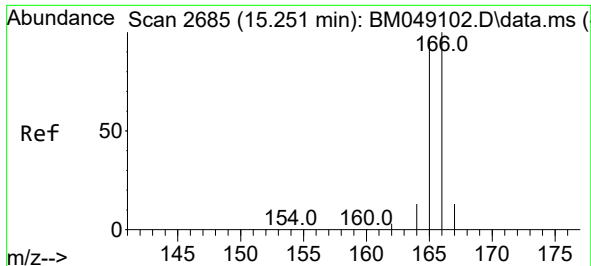
Tgt Ion:152 Resp: 3750  
Ion Ratio Lower Upper  
152 100  
151 25.2 16.0 24.0#  
153 21.1 11.0 16.6#



#11  
Acenaphthene  
Concen: 0.357 ng/ul  
RT: 14.257 min Scan# 2470  
Delta R.T. -0.008 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Tgt Ion:153 Resp: 14658  
Ion Ratio Lower Upper  
153 100  
152 50.7 40.7 61.1  
154 88.1 70.8 106.2

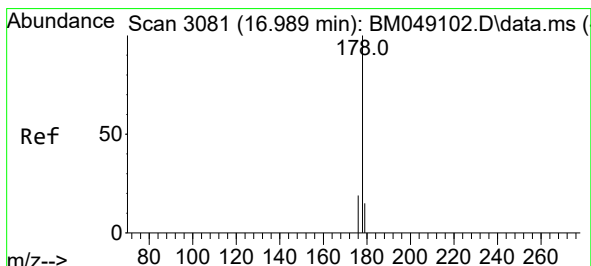
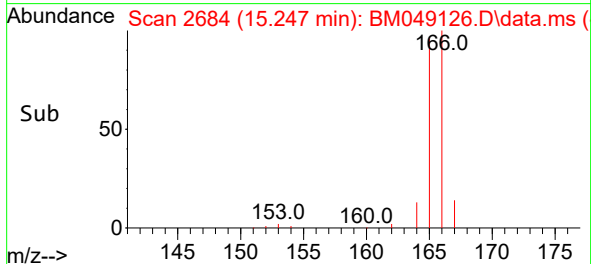
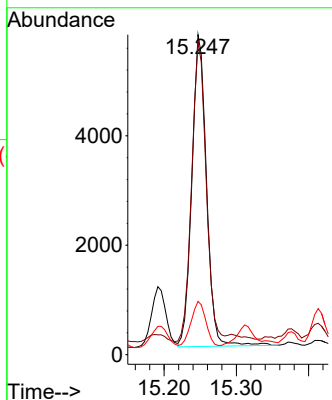
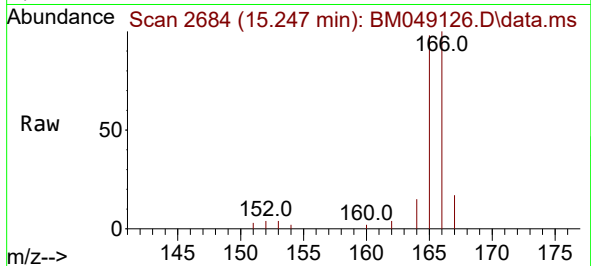




#12  
Fluorene  
Concen: 0.174 ng/ul  
RT: 15.247 min Scan# 20  
Delta R.T. -0.008 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

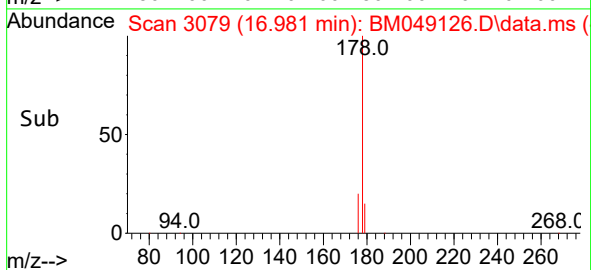
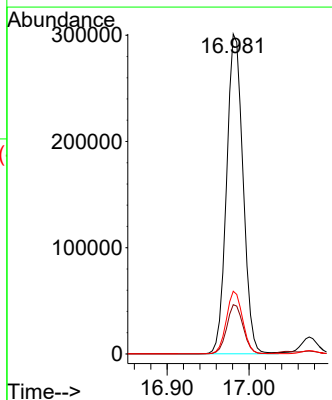
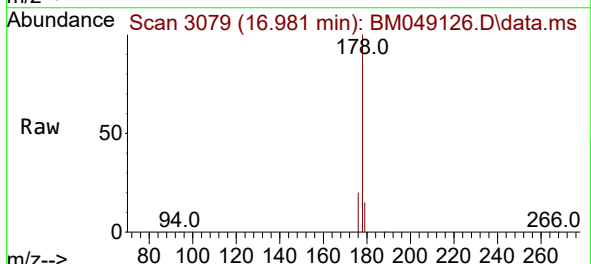
Instrument :  
BNA\_M  
ClientSampleId :  
E28Z3

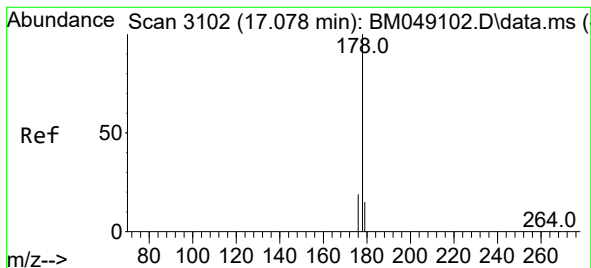
Tgt Ion:166 Resp: 8053  
Ion Ratio Lower Upper  
166 100  
165 97.7 79.7 119.5  
167 16.7 11.4 17.0



#15  
Phenanthrene  
Concen: 5.522 ng/ul  
RT: 16.981 min Scan# 3079  
Delta R.T. -0.011 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Tgt Ion:178 Resp: 418858  
Ion Ratio Lower Upper  
178 100  
179 15.4 13.0 19.4  
176 19.6 16.2 24.2





#16

Anthracene

Concen: 0.320 ng/ul

RT: 17.074 min Scan# 3102

Delta R.T. -0.011 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

Instrument :

BNA\_M

ClientSampleId :

E28Z3

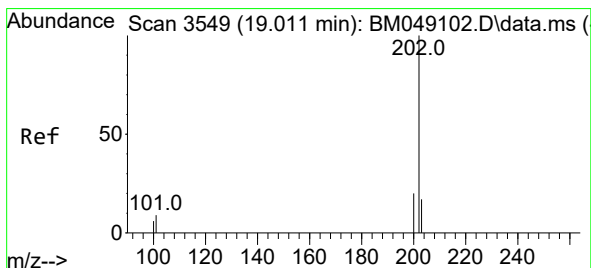
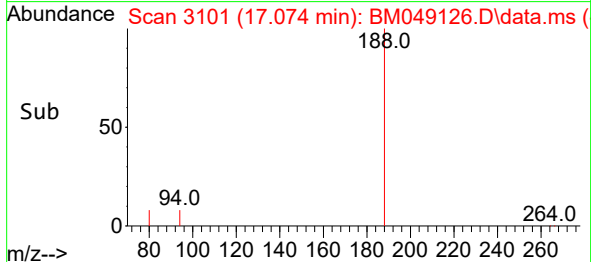
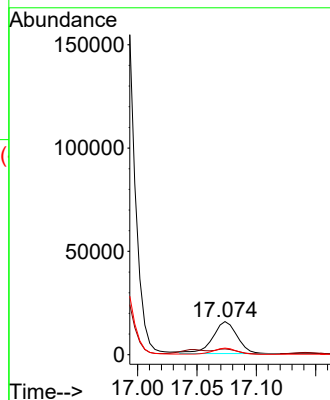
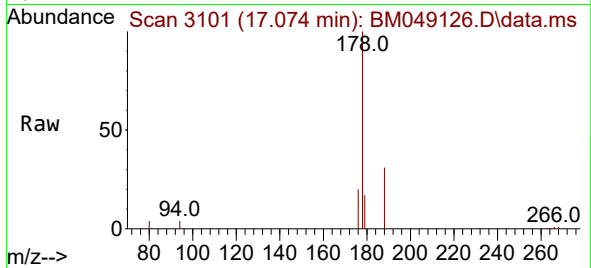
Tgt Ion:178 Resp: 22295

Ion Ratio Lower Upper

178 100

179 17.2 12.9 19.3

176 19.7 15.3 22.9



#19

Fluoranthene

Concen: 5.338 ng/ul

RT: 19.007 min Scan# 3548

Delta R.T. -0.008 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

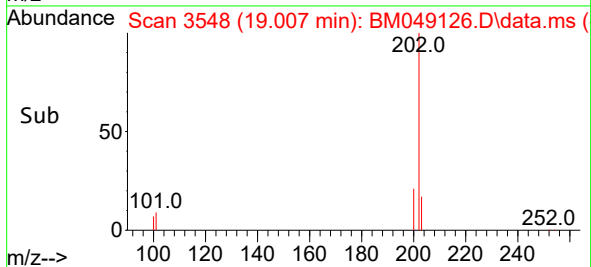
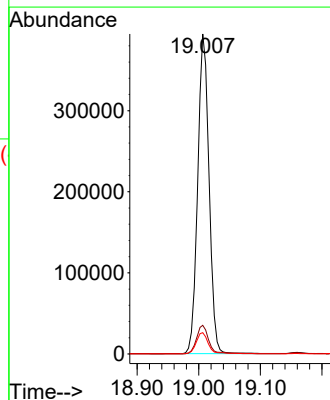
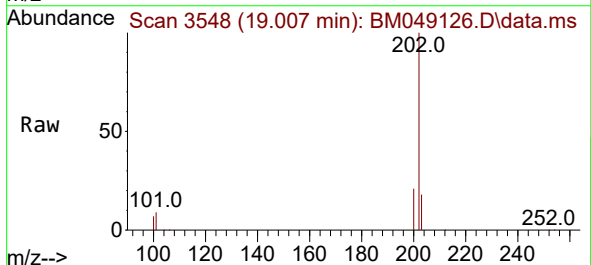
Tgt Ion:202 Resp: 506364

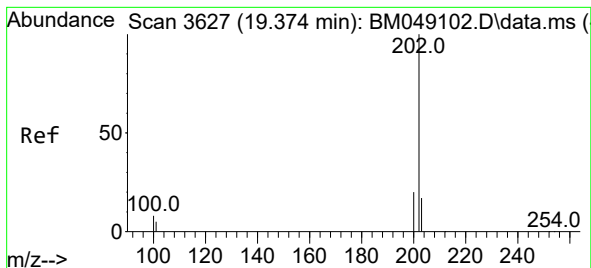
Ion Ratio Lower Upper

202 100

101 8.9 7.6 11.4

100 6.7 5.5 8.3





#20

Pyrene

Concen: 4.111 ng/ul

RT: 19.369 min Scan# 3

Delta R.T. -0.008 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

Instrument :

BNA\_M

ClientSampleId :

E28Z3

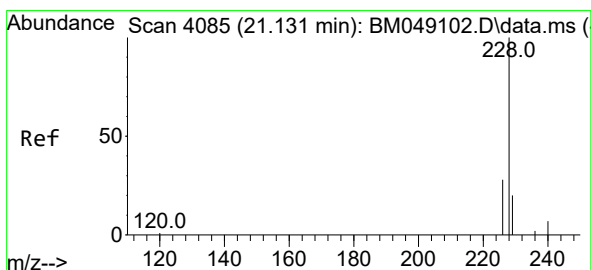
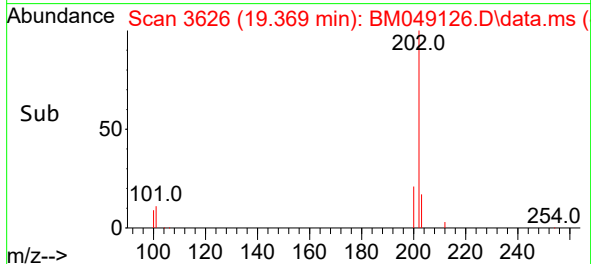
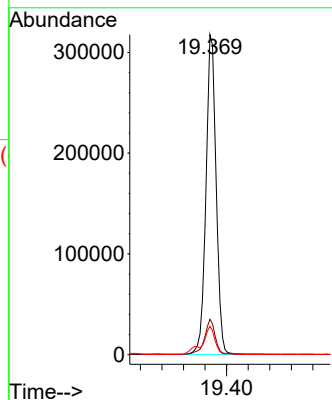
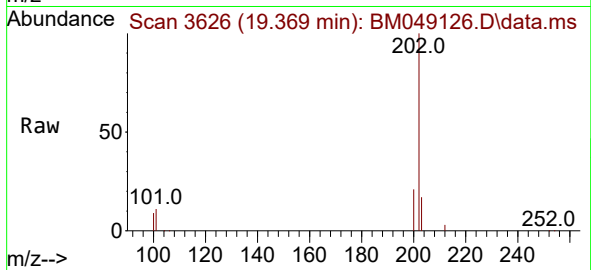
Tgt Ion:202 Resp: 415905

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

100 8.9 6.9 10.3



#21

Benzo(a)anthracene

Concen: 1.264 ng/ul

RT: 21.128 min Scan# 4084

Delta R.T. -0.003 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

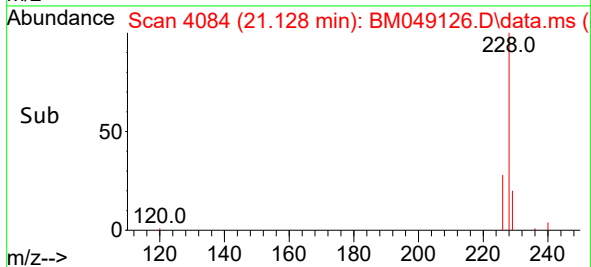
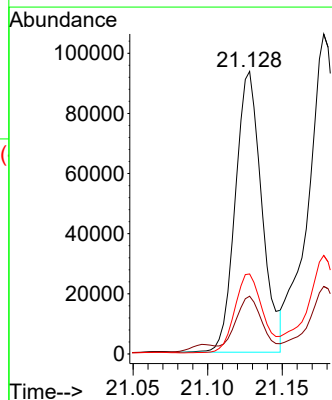
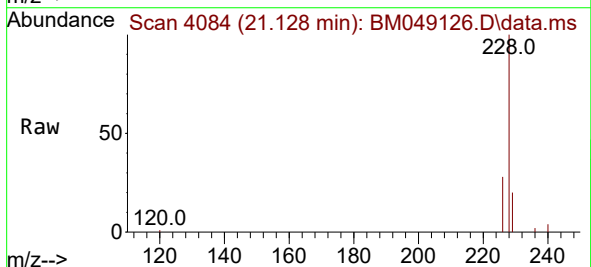
Tgt Ion:228 Resp: 115382

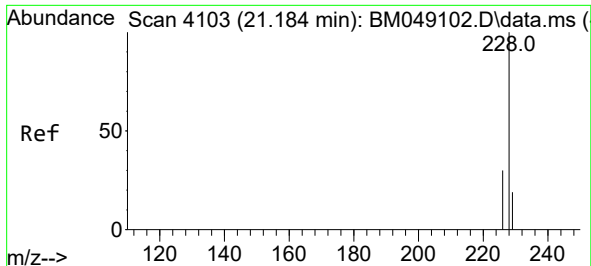
Ion Ratio Lower Upper

228 100

229 20.5 15.9 23.9

226 28.3 22.6 34.0





#22

Chrysene

Concen: 1.510 ng/ul

RT: 21.178 min Scan# 4101

Delta R.T. -0.006 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

Instrument :

BNA\_M

ClientSampleId :

E28Z3

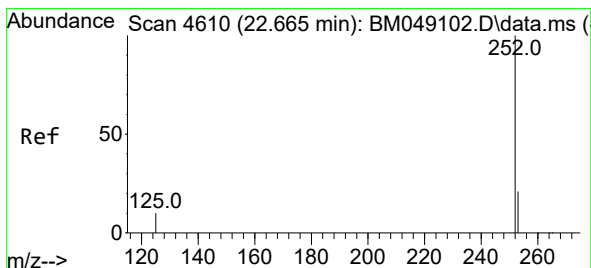
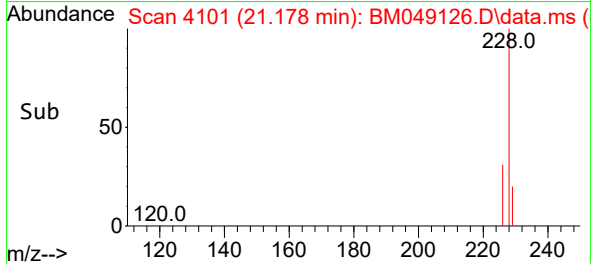
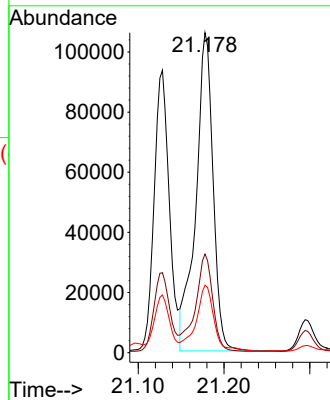
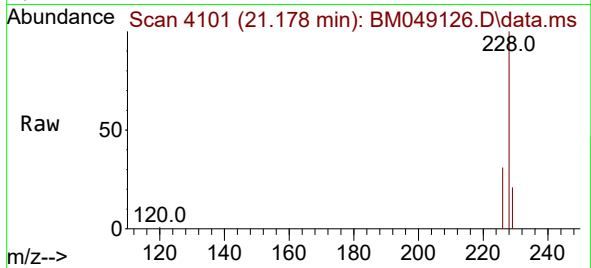
Tgt Ion:228 Resp: 147880

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 21.1 15.8 23.8



#24

Benzo(b)fluoranthene

Concen: 2.827 ng/ul

RT: 22.662 min Scan# 4609

Delta R.T. -0.000 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

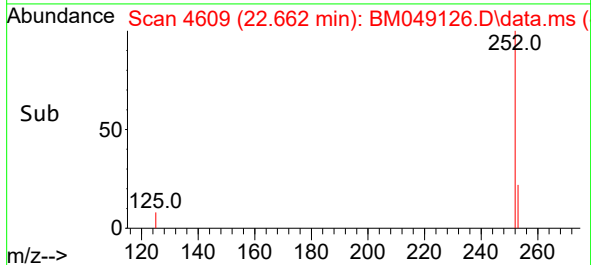
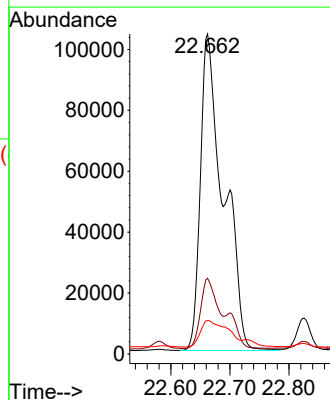
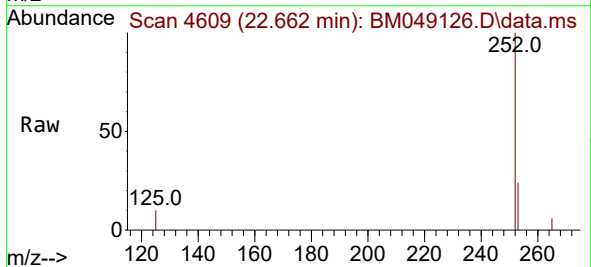
Tgt Ion:252 Resp: 281487

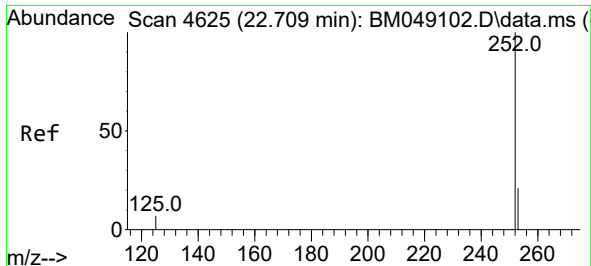
Ion Ratio Lower Upper

252 100

253 23.6 0.0 52.6

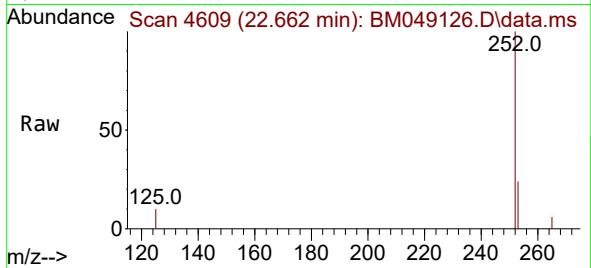
125 10.4 0.0 30.8



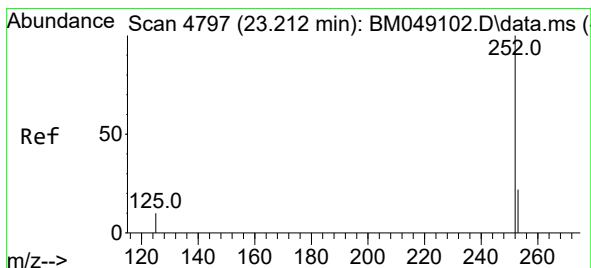
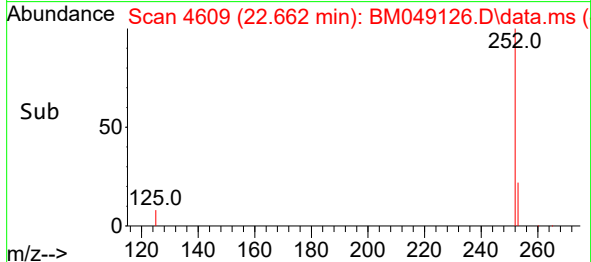
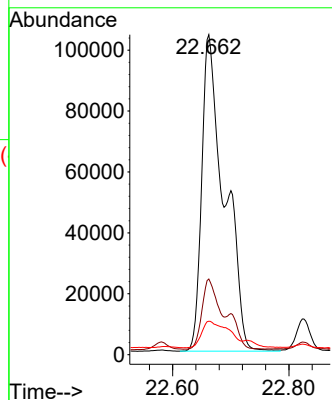


#25  
Benzo(k)fluoranthene  
Concen: 2.577 ng/ul  
RT: 22.662 min Scan# 41  
Delta R.T. -0.044 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Instrument :  
BNA\_M  
ClientSampleId :  
E28Z3

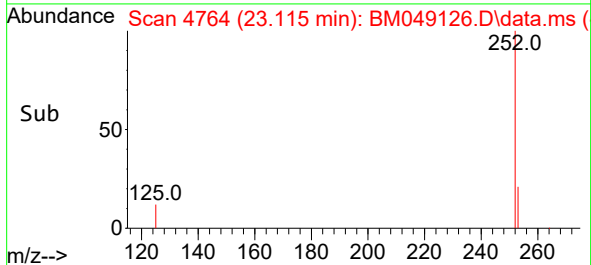
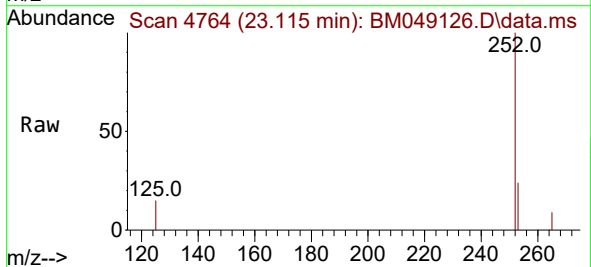
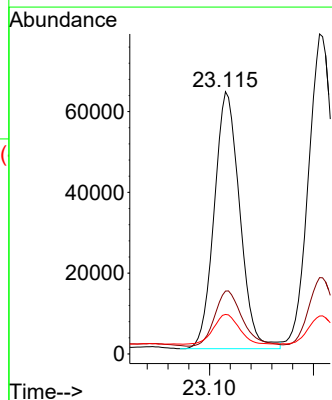


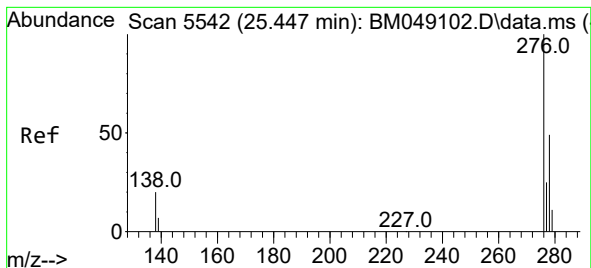
Tgt Ion:252 Resp: 281482  
Ion Ratio Lower Upper  
252 100  
253 23.6 21.3 31.9  
125 10.4 12.6 18.8#



#26  
Benzo(a)pyrene  
Concen: 1.139 ng/ul  
RT: 23.115 min Scan# 4764  
Delta R.T. -0.094 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Tgt Ion:252 Resp: 108746  
Ion Ratio Lower Upper  
252 100  
253 24.0 22.4 33.6  
125 15.1 14.8 22.2





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.923 ng/ul

RT: 25.440 min Scan# 5

Delta R.T. -0.007 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

Instrument :

BNA\_M

ClientSampleId :

E28Z3

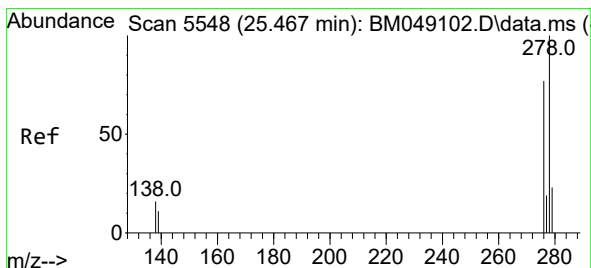
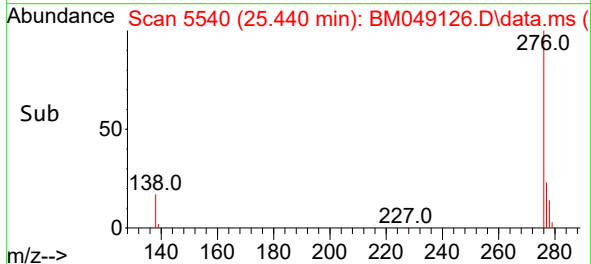
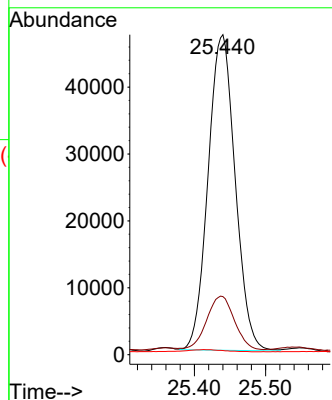
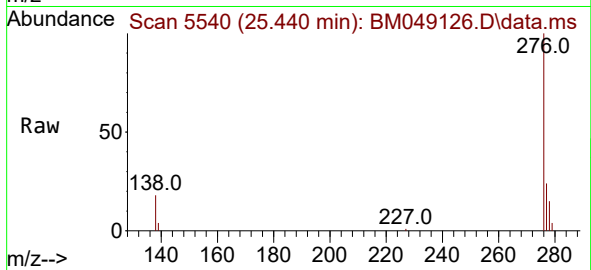
Tgt Ion:276 Resp: 124733

Ion Ratio Lower Upper

276 100

138 17.7 17.4 26.2

227 0.0 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.212 ng/ul

RT: 25.447 min Scan# 5542

Delta R.T. -0.021 min

Lab File: BM049126.D

Acq: 21 Dec 2024 07:14

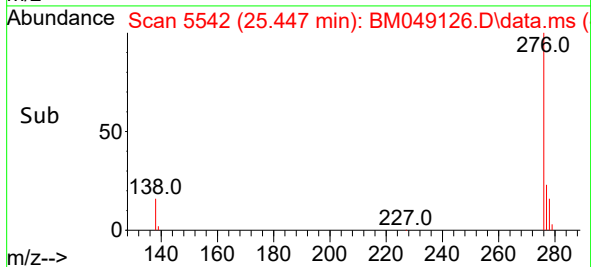
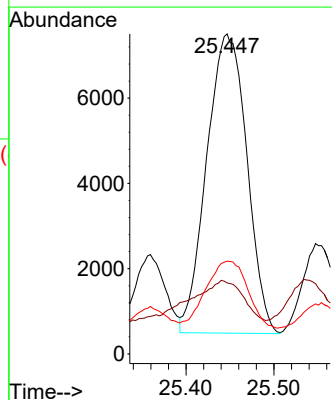
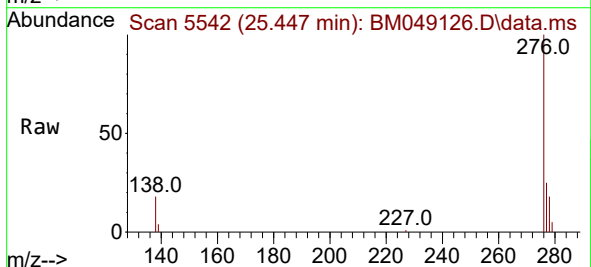
Tgt Ion:278 Resp: 22285

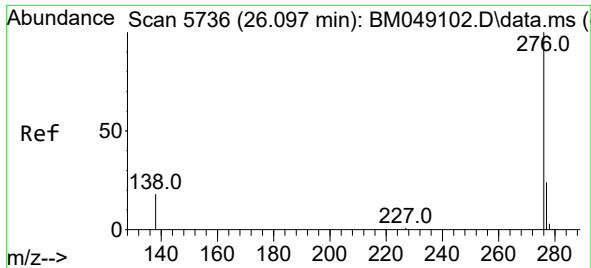
Ion Ratio Lower Upper

278 100

139 22.2 13.5 20.3#

279 29.0 21.5 32.3





#29  
Benzo(g,h,i)perylene  
Concen: 1.255 ng/ul  
RT: 26.091 min Scan# 51  
Delta R.T. -0.004 min  
Lab File: BM049126.D  
Acq: 21 Dec 2024 07:14

Instrument :  
BNA\_M  
ClientSampleId :  
E28Z3

Tgt Ion:276 Resp: 136382  
Ion Ratio Lower Upper  
276 100  
138 19.0 16.7 25.1  
277 24.1 19.9 29.9

