

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122724\  
 Data File : BM049271.D  
 Acq On : 28 Dec 2024 01:24  
 Operator : RC/JU  
 Sample : P5378-04MS  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 YE634MS

Quant Time: Dec 28 01:51:48 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 : Thu Dec 26 11:35:38 2024  
 Response via : Initial Calibration

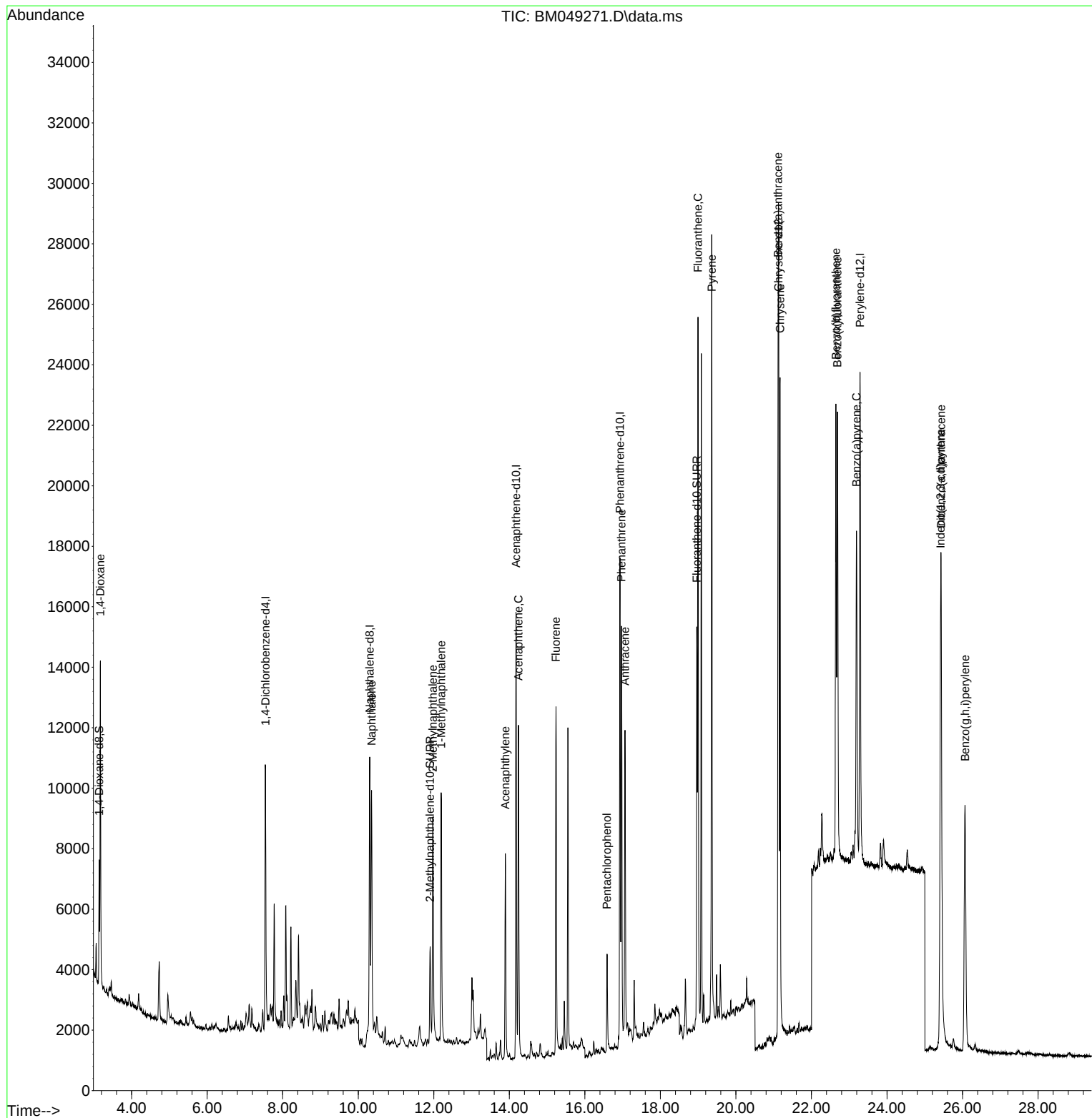
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.544  | 152  | 4432     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.303 | 136  | 14027    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.177 | 164  | 8816     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.929 | 188  | 20657    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.132 | 240  | 20484    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.285 | 264  | 21684    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.139  | 96   | 2218     | 0.434 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.903 | 152  | 5375     | 0.285 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.964 | 212  | 14866    | 0.256 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.172  | 88   | 6569     | 1.100 | ng/ul# | 79       |
| 5) Naphthalene              | 10.352 | 128  | 12924    | 0.368 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.975 | 142  | 6938     | 0.312 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.195 | 142  | 6659     | 0.292 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.895 | 152  | 8744     | 0.239 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.242 | 153  | 6802     | 0.255 | ng/ul  | 99       |
| 12) Fluorene                | 15.236 | 166  | 8169     | 0.271 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.587 | 266  | 2577     | 0.451 | ng/ul  | 94       |
| 15) Phenanthrene            | 16.971 | 178  | 15217    | 0.282 | ng/ul  | 98       |
| 16) Anthracene              | 17.064 | 178  | 12712    | 0.257 | ng/ul  | 96       |
| 19) Fluoranthene            | 18.996 | 202  | 21578    | 0.291 | ng/ul  | 99       |
| 20) Pyrene                  | 19.359 | 202  | 23209    | 0.294 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.117 | 228  | 18515    | 0.260 | ng/ul  | 98       |
| 22) Chrysene                | 21.170 | 228  | 19608    | 0.256 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.648 | 252  | 18970    | 0.274 | ng/ul  | 88       |
| 25) Benzo(k)fluoranthene    | 22.689 | 252  | 19730    | 0.260 | ng/ul# | 90       |
| 26) Benzo(a)pyrene          | 23.192 | 252  | 16275    | 0.245 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.420 | 276  | 22192    | 0.236 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.434 | 278  | 16935    | 0.232 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 26.068 | 276  | 18197    | 0.241 | ng/ul  | 100      |
| -----                       |        |      |          |       |        |          |

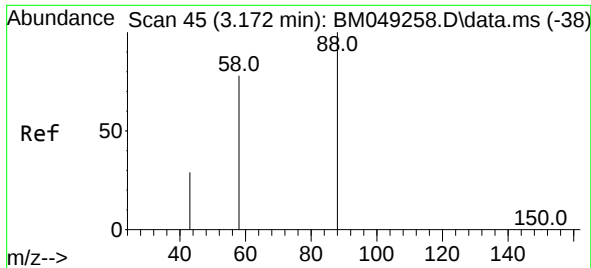
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122724\  
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Acq On : 28 Dec 2024 01:24  
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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Dec 28 01:51:48 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 : Thu Dec 26 11:35:38 2024  
Response via : Initial Calibration

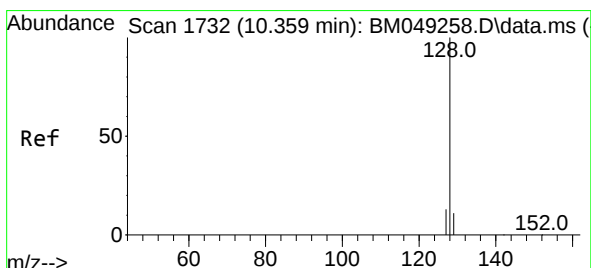
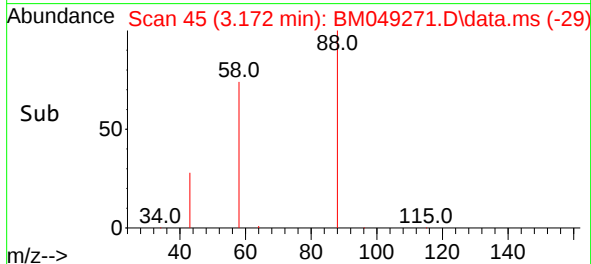
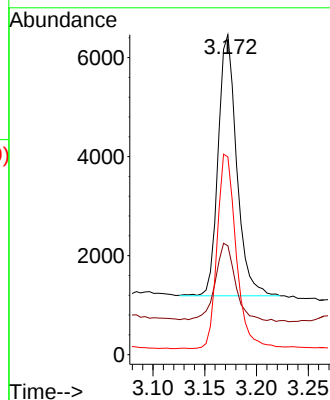
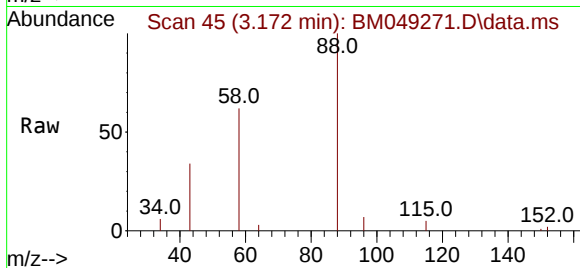




#2  
1,4-Dioxane  
Concen: 1.100 ng/ul  
RT: 3.172 min Scan# 41  
Delta R.T. -0.004 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

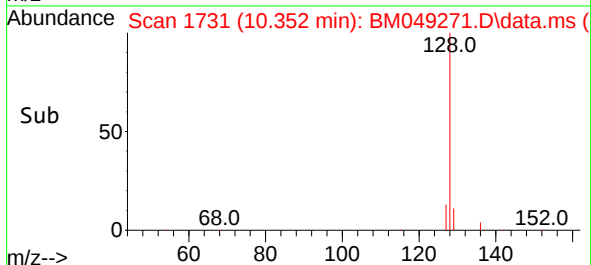
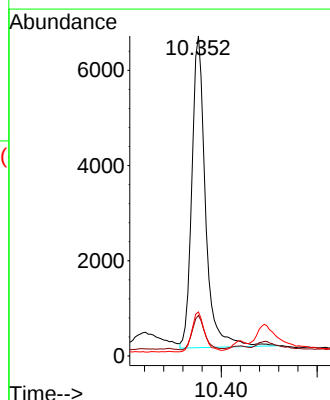
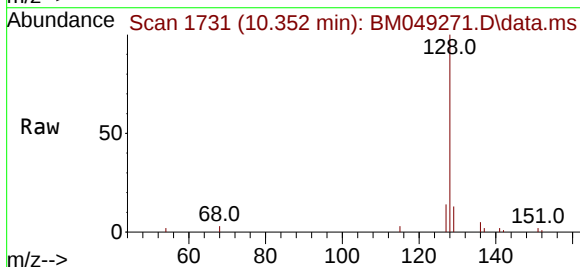
Instrument :  
BNA\_M  
ClientSampleId :  
YE634MS

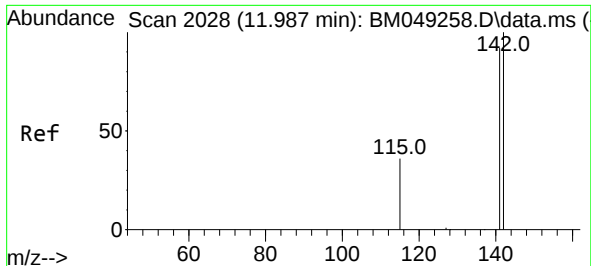
Tgt Ion: 88 Resp: 6569  
Ion Ratio Lower Upper  
88 100  
43 34.0 45.4 68.2#  
58 61.8 43.6 65.4



#5  
Naphthalene  
Concen: 0.368 ng/ul  
RT: 10.352 min Scan# 1731  
Delta R.T. -0.005 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

Tgt Ion: 128 Resp: 12924  
Ion Ratio Lower Upper  
128 100  
129 12.7 9.7 14.5  
127 13.7 10.6 16.0

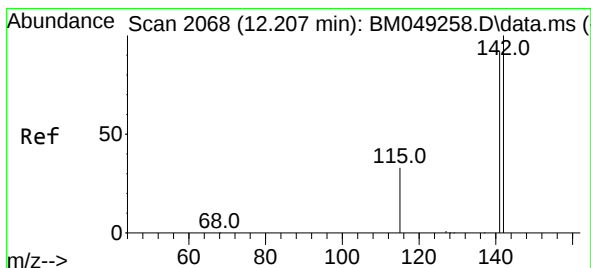
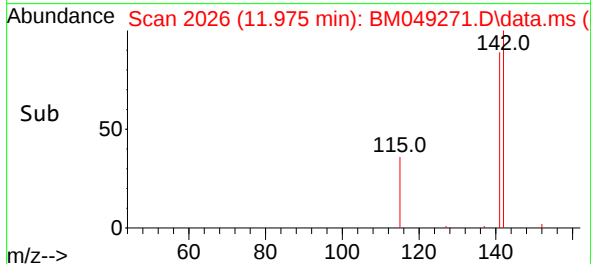
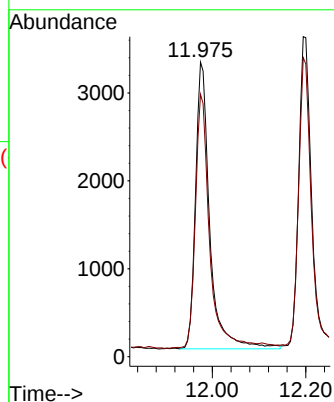
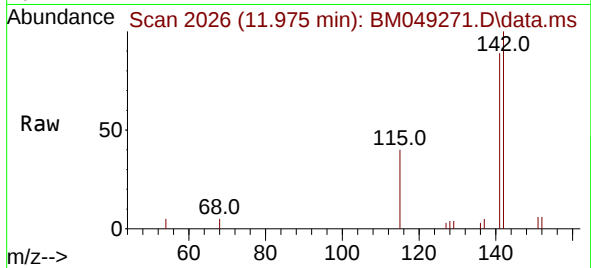




#7  
2-Methylnaphthalene  
Concen: 0.312 ng/ul  
RT: 11.975 min Scan# 2026  
Delta R.T. -0.005 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

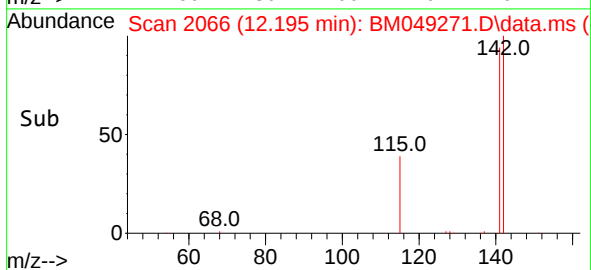
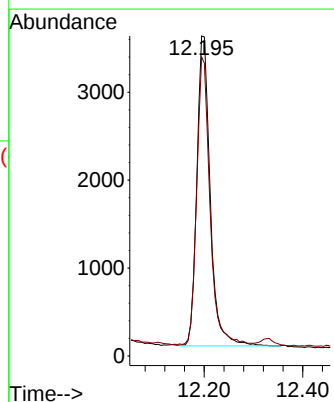
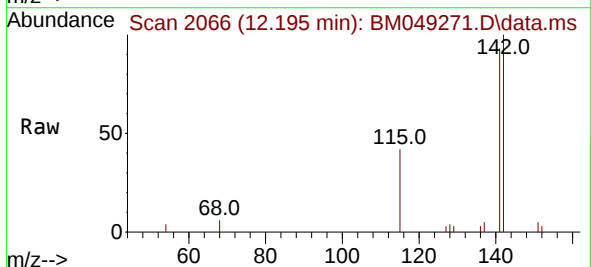
Instrument :  
BNA\_M  
ClientSampleId :  
YE634MS

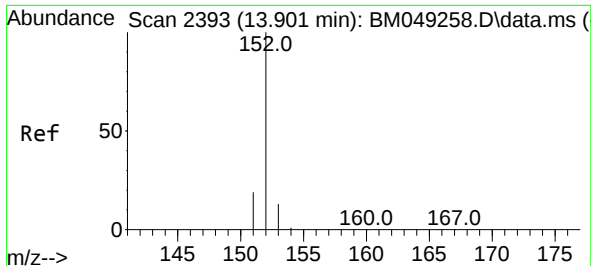
Tgt Ion:142 Resp: 6938  
Ion Ratio Lower Upper  
142 100  
141 89.9 71.7 107.5



#8  
1-Methylnaphthalene  
Concen: 0.292 ng/ul  
RT: 12.195 min Scan# 2066  
Delta R.T. -0.011 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

Tgt Ion:142 Resp: 6659  
Ion Ratio Lower Upper  
142 100  
141 91.6 72.7 109.1

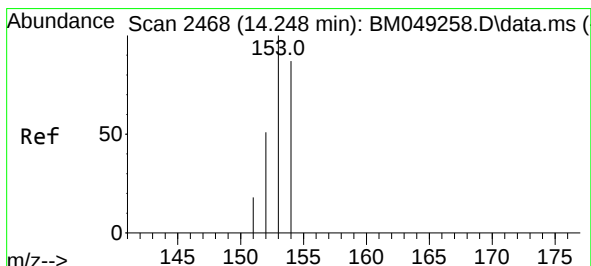
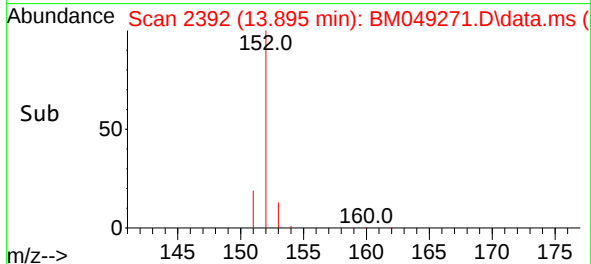
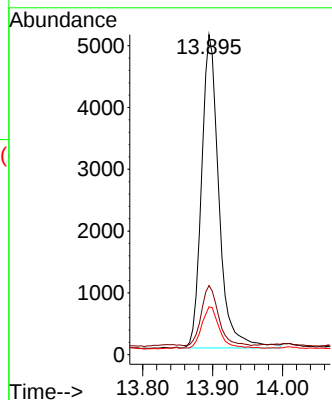
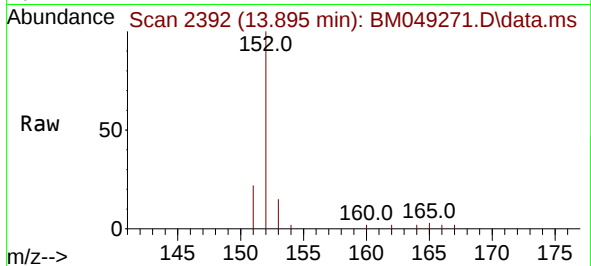




#10  
Acenaphthylene  
Concen: 0.239 ng/ul  
RT: 13.895 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

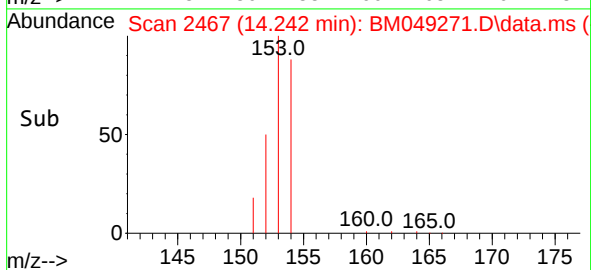
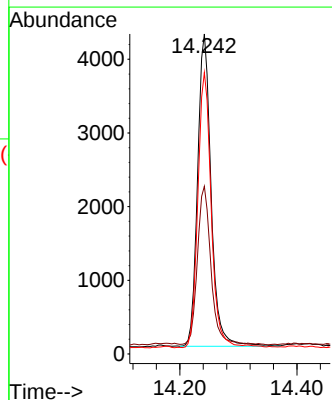
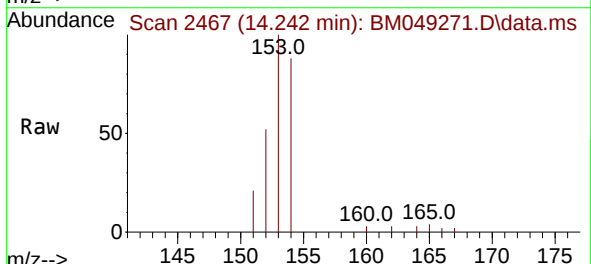
Instrument :  
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ClientSampleId :  
YE634MS

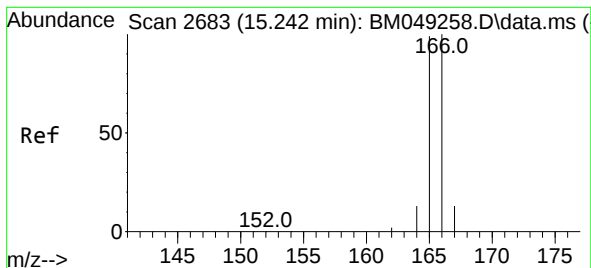
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 8744 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 21.6  | 16.0  | 24.0 |
| 153       | 15.0  | 11.0  | 16.6 |



#11  
Acenaphthene  
Concen: 0.255 ng/ul  
RT: 14.242 min Scan# 2467  
Delta R.T. -0.005 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 6802  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 52.4  | 40.7  | 61.1  |
| 154       | 87.9  | 70.8  | 106.2 |





#12

Fluorene

Concen: 0.271 ng/ul

RT: 15.236 min Scan# 2

Delta R.T. -0.005 min

Lab File: BM049271.D

Acq: 28 Dec 2024 01:24

Instrument :

BNA\_M

ClientSampleId :

YE634MS

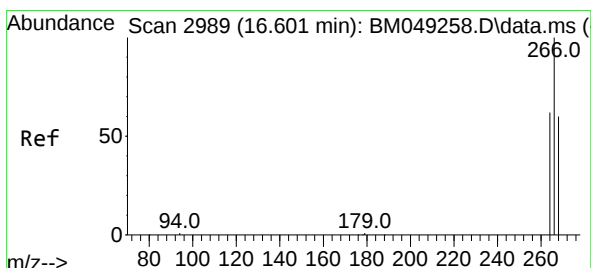
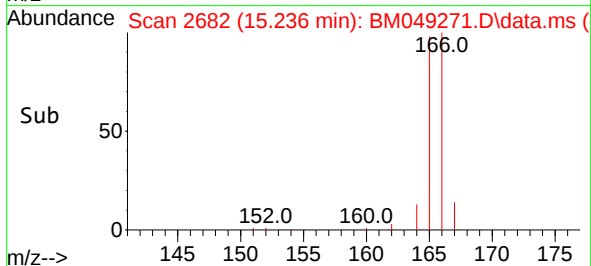
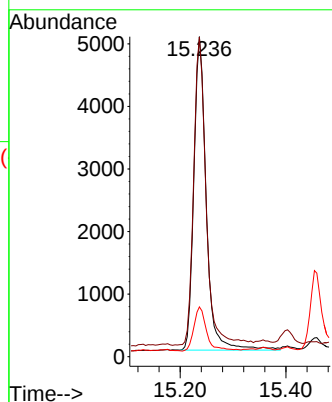
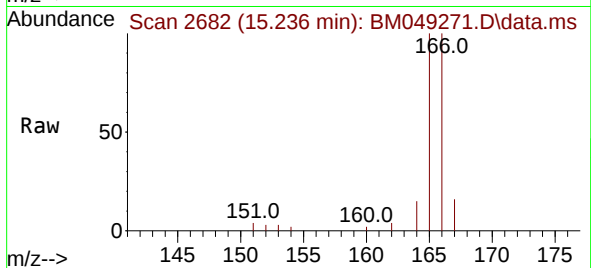
Tgt Ion:166 Resp: 8169

Ion Ratio Lower Upper

166 100

165 99.9 79.7 119.5

167 15.5 11.4 17.0



#14

Pentachlorophenol

Concen: 0.451 ng/ul

RT: 16.587 min Scan# 2986

Delta R.T. -0.008 min

Lab File: BM049271.D

Acq: 28 Dec 2024 01:24

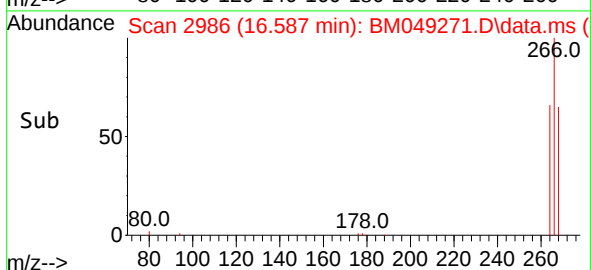
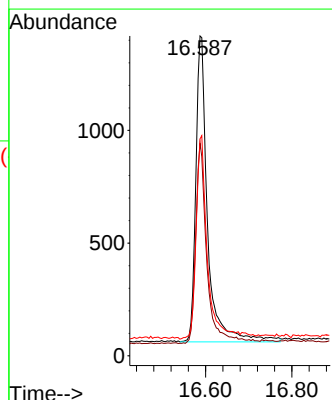
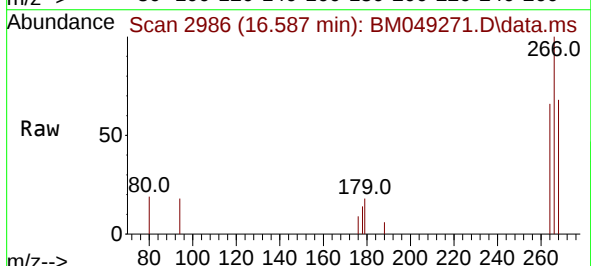
Tgt Ion:266 Resp: 2577

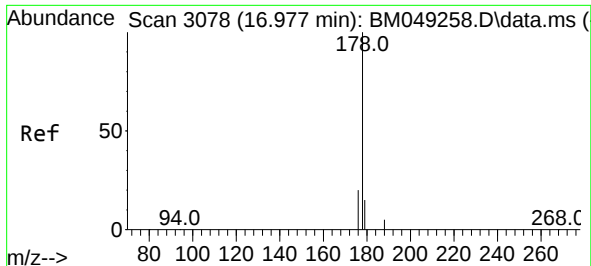
Ion Ratio Lower Upper

266 100

264 62.4 48.3 72.5

268 66.3 47.5 71.3

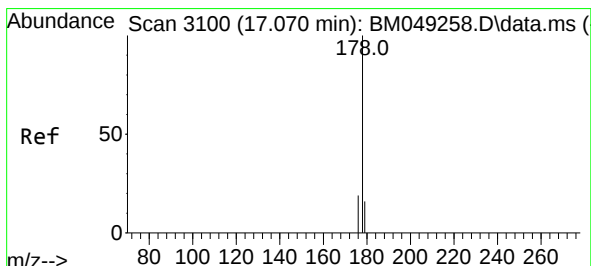
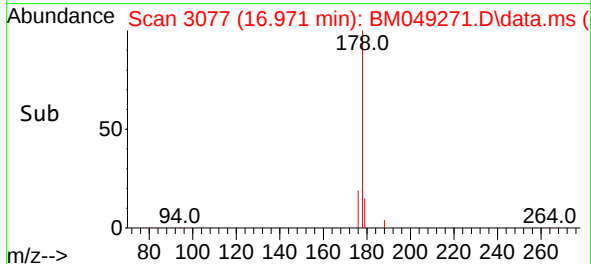
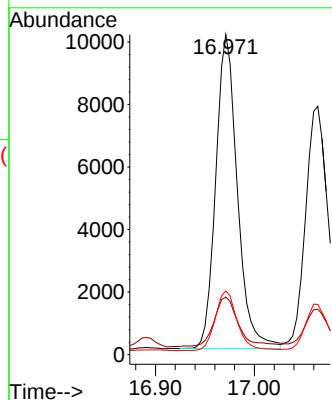
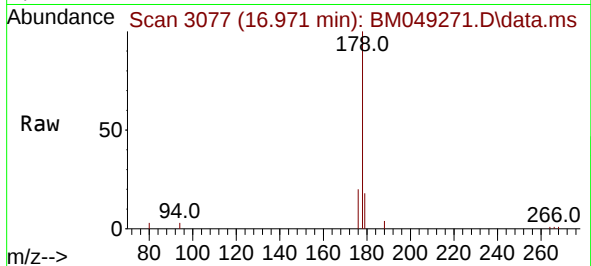




#15  
Phenanthrene  
Concen: 0.282 ng/ul  
RT: 16.971 min Scan# 3077  
Delta R.T. -0.004 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

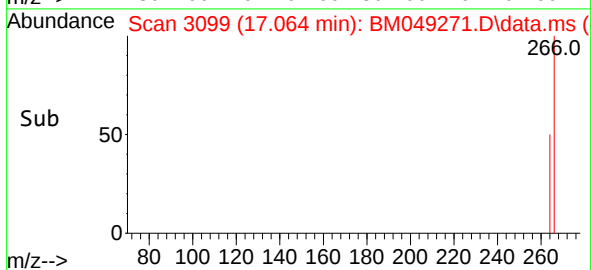
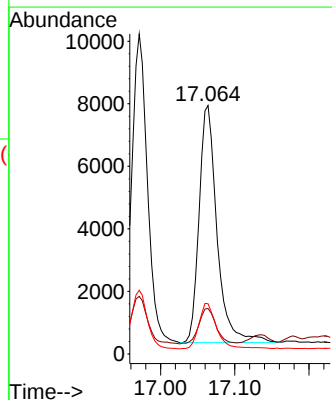
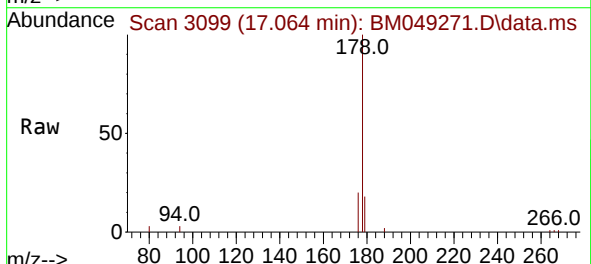
Instrument :  
BNA\_M  
ClientSampleId :  
YE634MS

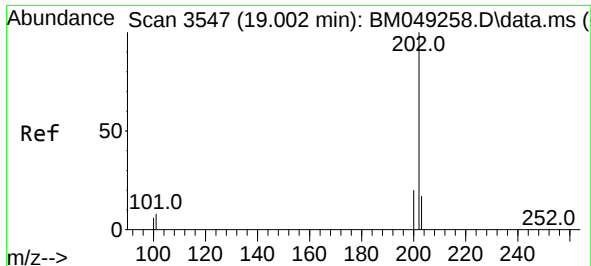
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|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 15217 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 18.0  | 13.0  | 19.4  |
| 176      | 19.9  | 16.2  | 24.2  |



#16  
Anthracene  
Concen: 0.257 ng/ul  
RT: 17.064 min Scan# 3099  
Delta R.T. -0.004 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 12712 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 18.3  | 12.9  | 19.3  |
| 176      | 20.3  | 15.3  | 22.9  |

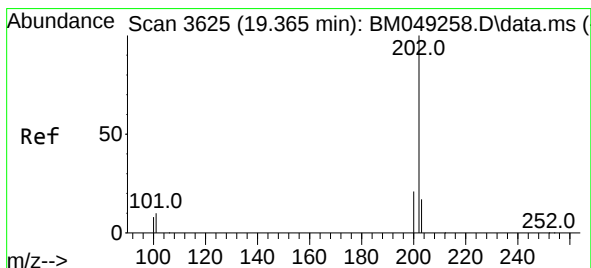
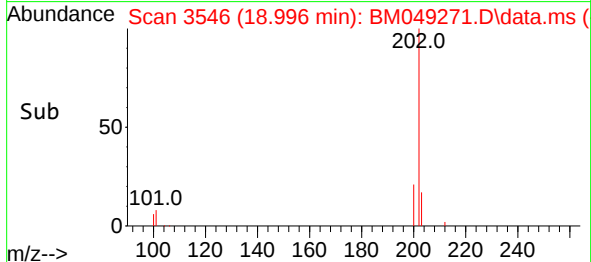
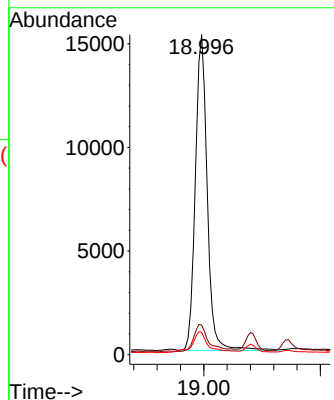
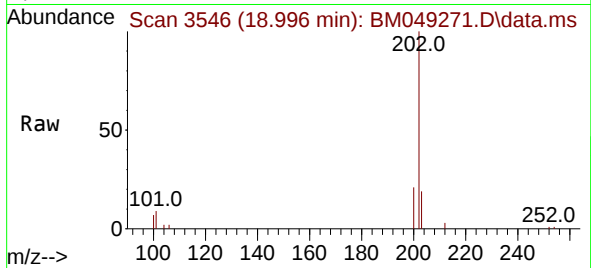




#19  
Fluoranthene  
Concen: 0.291 ng/ul  
RT: 18.996 min Scan# 3546  
Delta R.T. -0.005 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

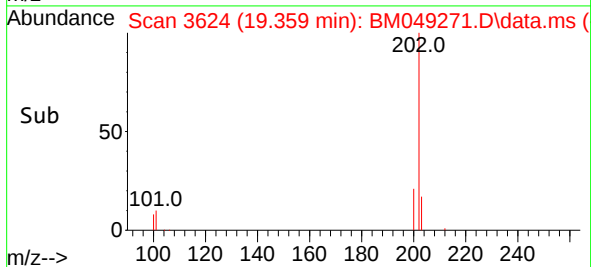
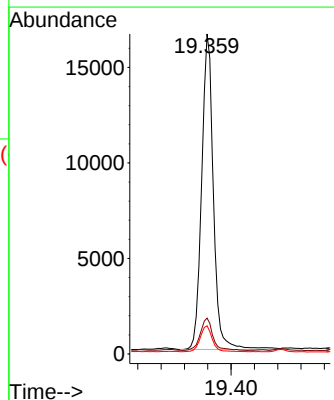
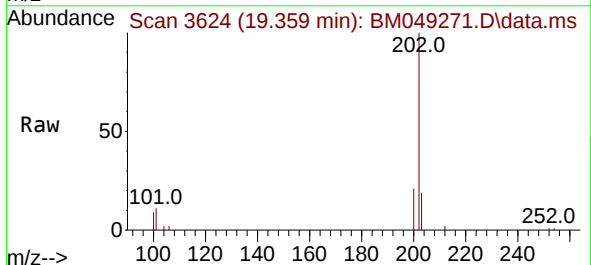
Instrument :  
BNA\_M  
ClientSampleId :  
YE634MS

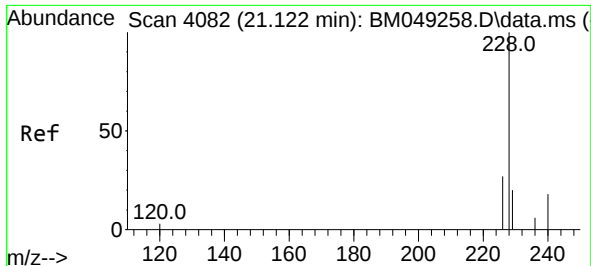
Tgt Ion:202 Resp: 21578  
Ion Ratio Lower Upper  
202 100  
101 9.2 7.6 11.4  
100 7.0 5.5 8.3



#20  
Pyrene  
Concen: 0.294 ng/ul  
RT: 19.359 min Scan# 3624  
Delta R.T. -0.005 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

Tgt Ion:202 Resp: 23209  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.9 13.3  
100 8.8 6.9 10.3

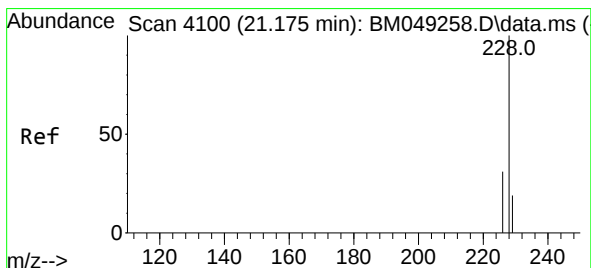
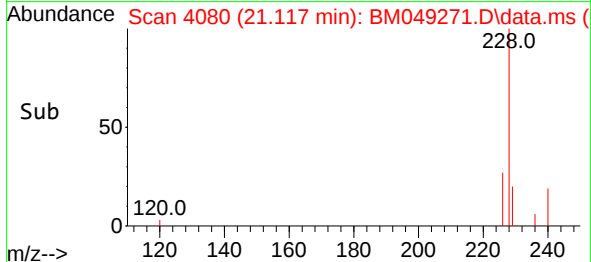
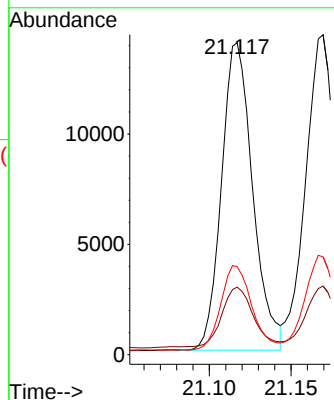
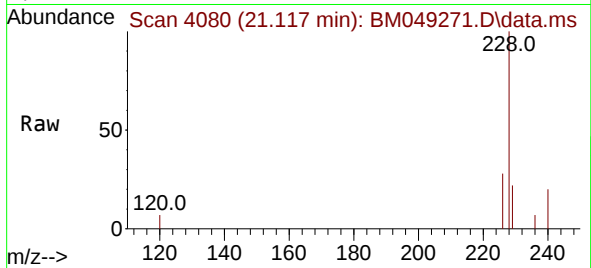




#21  
Benzo(a)anthracene  
Concen: 0.260 ng/ul  
RT: 21.117 min Scan# 4080  
Delta R.T. -0.003 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

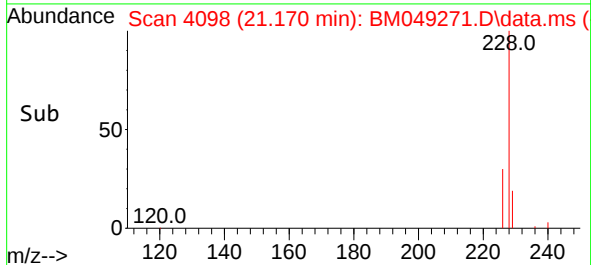
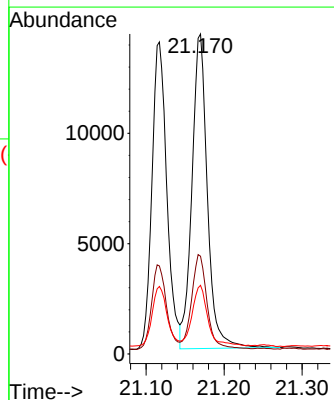
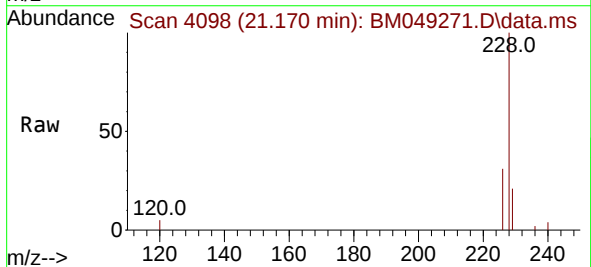
Instrument :  
BNA\_M  
ClientSampleId :  
YE634MS

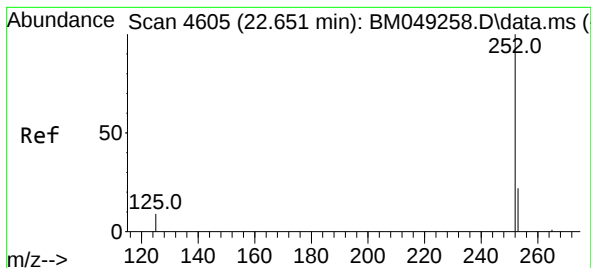
Tgt Ion:228 Resp: 18515  
Ion Ratio Lower Upper  
228 100  
229 21.7 15.9 23.9  
226 28.2 22.6 34.0



#22  
Chrysene  
Concen: 0.256 ng/ul  
RT: 21.170 min Scan# 4098  
Delta R.T. -0.003 min  
Lab File: BM049271.D  
Acq: 28 Dec 2024 01:24

Tgt Ion:228 Resp: 19608  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.1 36.1  
229 21.5 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.274 ng/ul

RT: 22.648 min Scan# 4604

Delta R.T. 0.000 min

Lab File: BM049271.D

Acq: 28 Dec 2024 01:24

Instrument :

BNA\_M

ClientSampleId :

YE634MS

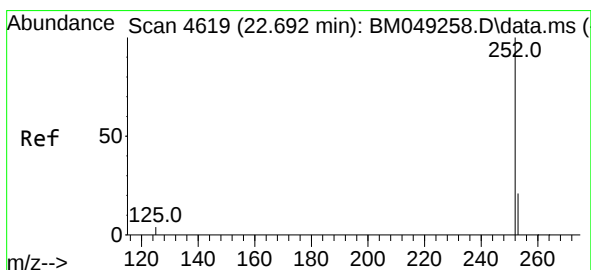
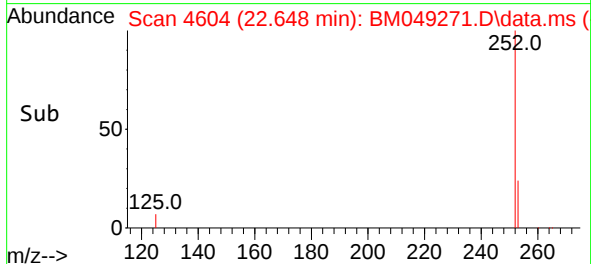
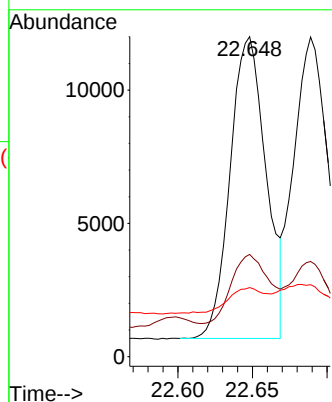
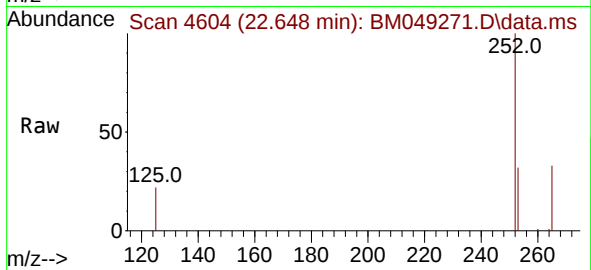
Tgt Ion:252 Resp: 18970

Ion Ratio Lower Upper

252 100

253 31.9 0.0 52.6

125 21.6 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 0.260 ng/ul

RT: 22.689 min Scan# 4618

Delta R.T. -0.003 min

Lab File: BM049271.D

Acq: 28 Dec 2024 01:24

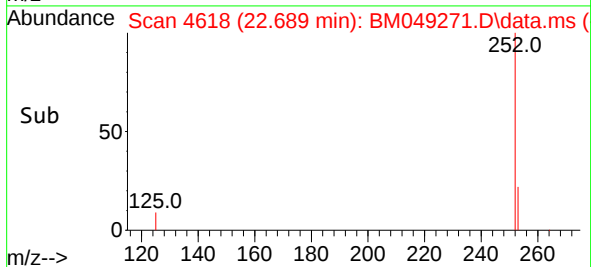
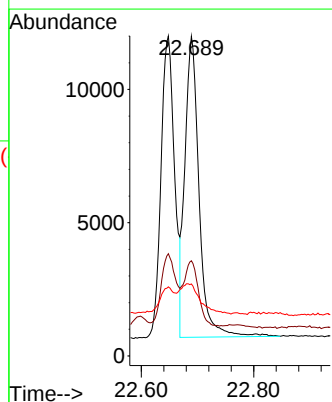
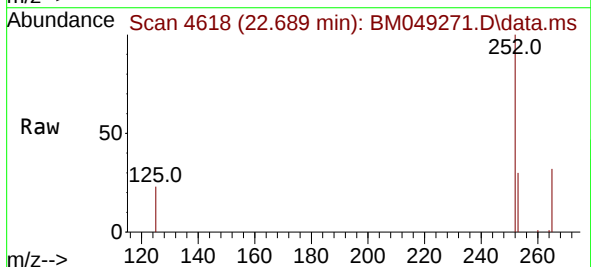
Tgt Ion:252 Resp: 19730

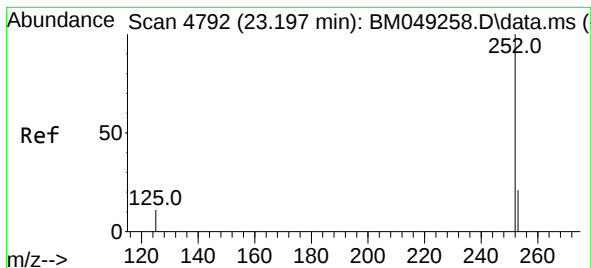
Ion Ratio Lower Upper

252 100

253 29.8 21.3 31.9

125 22.5 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.245 ng/ul

RT: 23.192 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM049271.D

Acq: 28 Dec 2024 01:24

Instrument :

BNA\_M

ClientSampleId :

YE634MS

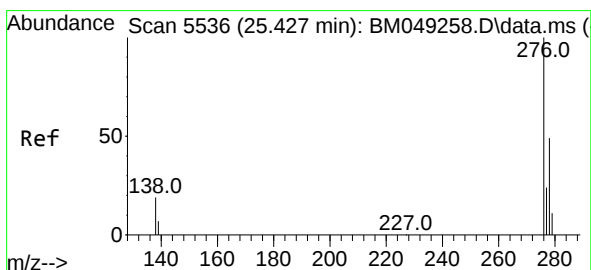
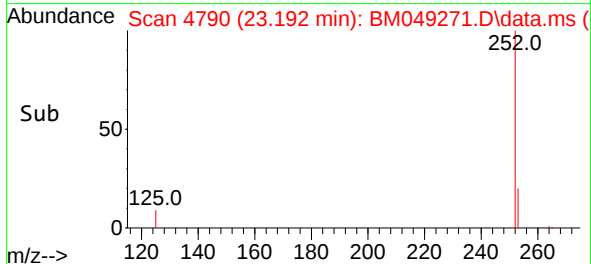
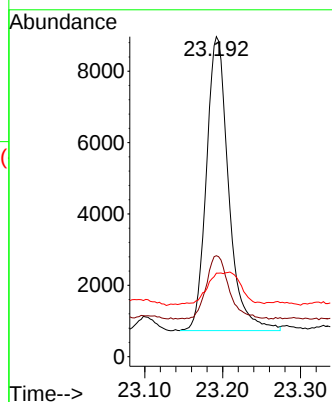
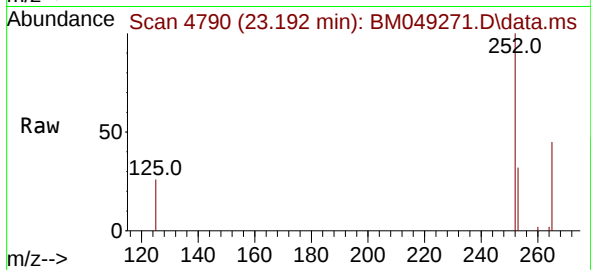
Tgt Ion:252 Resp: 16275

Ion Ratio Lower Upper

252 100

253 31.6 22.4 33.6

125 26.1 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.236 ng/ul

RT: 25.420 min Scan# 5534

Delta R.T. 0.003 min

Lab File: BM049271.D

Acq: 28 Dec 2024 01:24

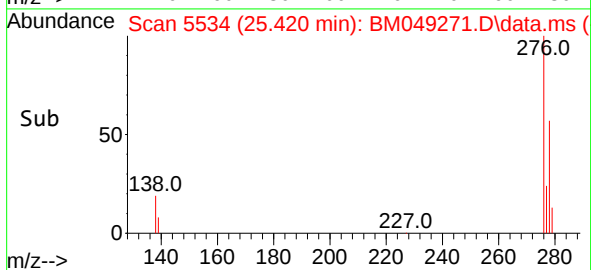
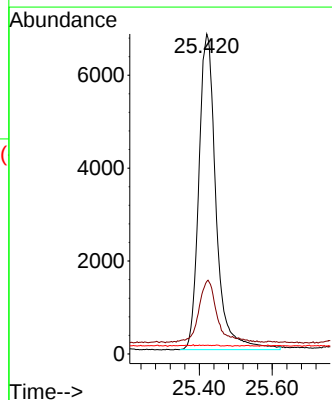
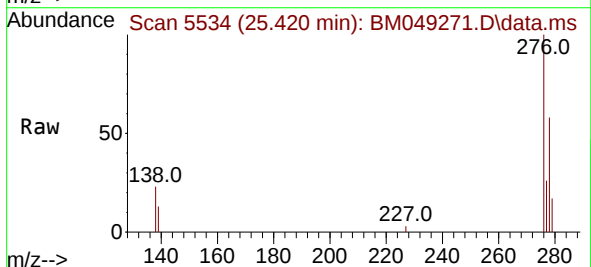
Tgt Ion:276 Resp: 22192

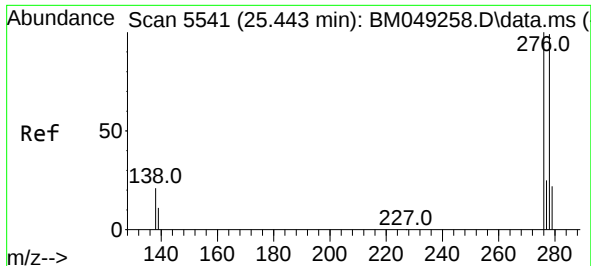
Ion Ratio Lower Upper

276 100

138 20.6 17.4 26.2

227 0.0 0.2 0.2#

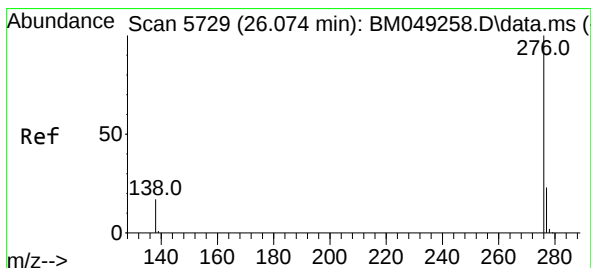
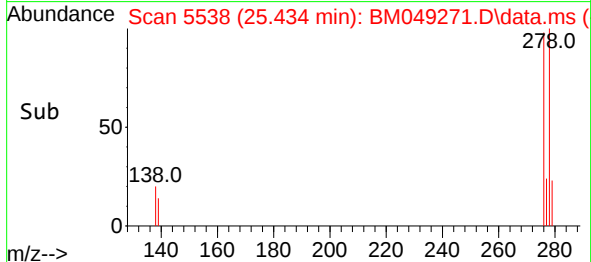
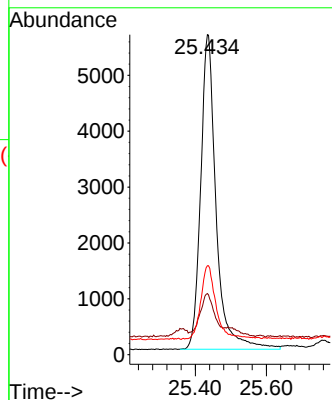
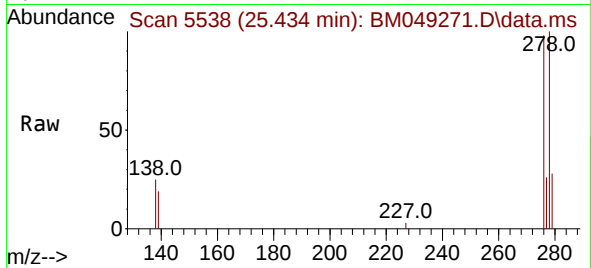




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.232 ng/ul  
 RT: 25.434 min Scan# 51  
 Delta R.T. -0.003 min  
 Lab File: BM049271.D  
 Acq: 28 Dec 2024 01:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 YE634MS

Tgt Ion:278 Resp: 16935  
 Ion Ratio Lower Upper  
 278 100  
 139 19.1 13.5 20.3  
 279 27.8 21.5 32.3



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.241 ng/ul  
 RT: 26.068 min Scan# 5727  
 Delta R.T. 0.000 min  
 Lab File: BM049271.D  
 Acq: 28 Dec 2024 01:24

Tgt Ion:276 Resp: 18197  
 Ion Ratio Lower Upper  
 276 100  
 138 21.1 16.7 25.1  
 277 25.0 19.9 29.9

