

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122724\  
 Data File : BM049257.D  
 Acq On : 27 Dec 2024 16:27  
 Operator : RC/JU  
 Sample : PB165797BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS797

Quant Time: Dec 27 22:12:50 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

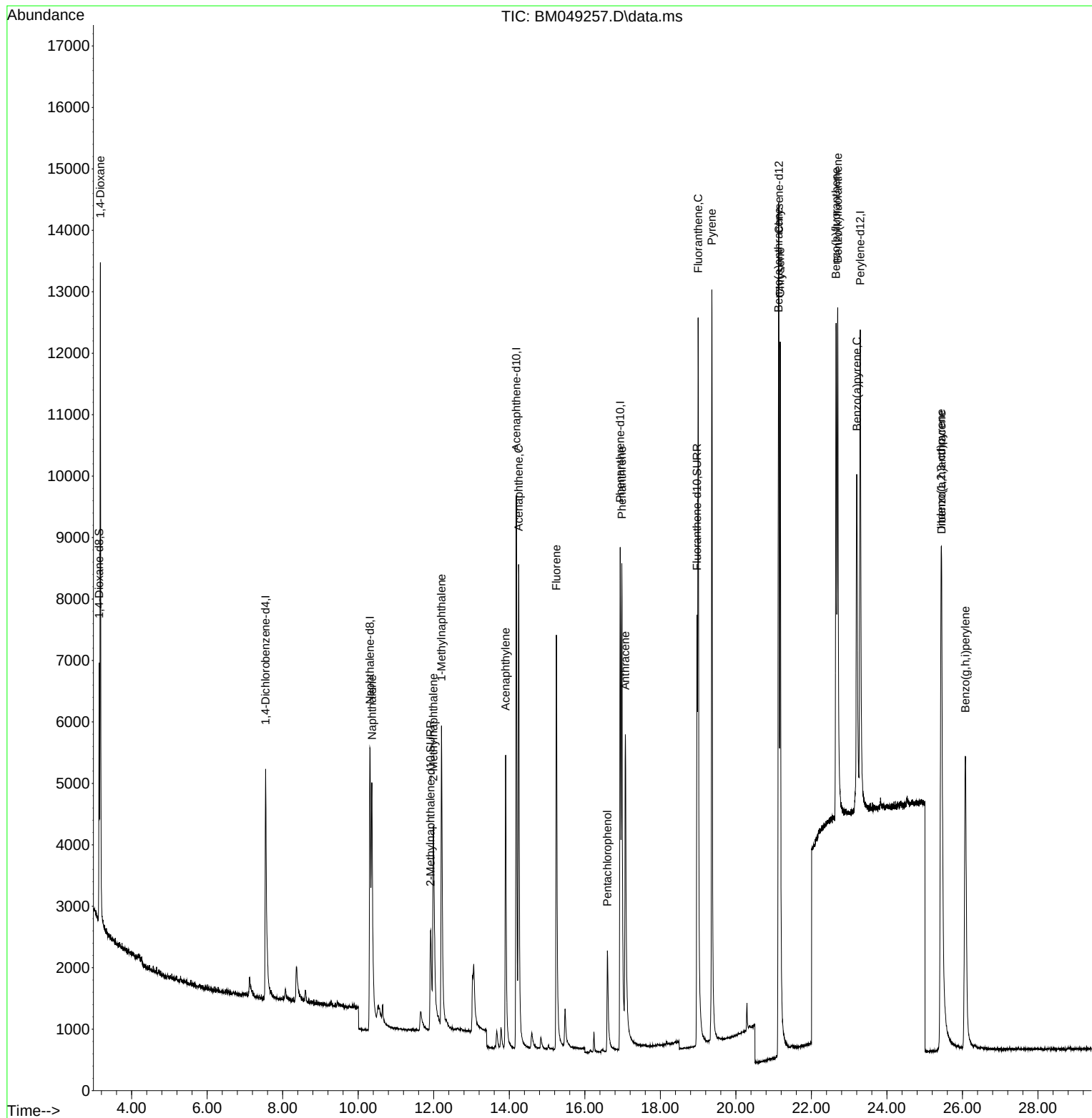
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.548  | 152  | 3192     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.314 | 136  | 10025    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.186 | 164  | 6437     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.937 | 188  | 14304    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.140 | 240  | 10803    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.294 | 264  | 11640    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.138  | 96   | 2309     | 0.627 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.914 | 152  | 4488     | 0.333 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.973 | 212  | 10737    | 0.350 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.172  | 88   | 6513     | 1.514 | ng/ul# | 76       |
| 5) Naphthalene              | 10.363 | 128  | 7602     | 0.303 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.991 | 142  | 4762     | 0.300 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.205 | 142  | 5099     | 0.313 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.904 | 152  | 7550     | 0.283 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.251 | 153  | 5788     | 0.297 | ng/ul  | 99       |
| 12) Fluorene                | 15.246 | 166  | 6596     | 0.300 | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.599 | 266  | 1866     | 0.472 | ng/ul  | 96       |
| 15) Phenanthrene            | 16.979 | 178  | 10170    | 0.272 | ng/ul  | 100      |
| 16) Anthracene              | 17.072 | 178  | 9159     | 0.267 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.001 | 202  | 12640    | 0.324 | ng/ul  | 98       |
| 20) Pyrene                  | 19.363 | 202  | 13262    | 0.318 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.126 | 228  | 9623     | 0.256 | ng/ul  | 100      |
| 22) Chrysene                | 21.172 | 228  | 12805    | 0.318 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.654 | 252  | 11286    | 0.303 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 22.698 | 252  | 12839    | 0.315 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.203 | 252  | 10468    | 0.294 | ng/ul  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.433 | 276  | 14104    | 0.279 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.450 | 278  | 10674    | 0.272 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 26.081 | 276  | 12005    | 0.296 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

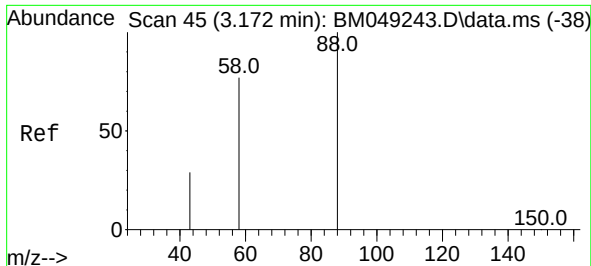
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122724\  
Data File : BM049257.D  
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Sample : PB165797BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Dec 27 22:12:50 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  
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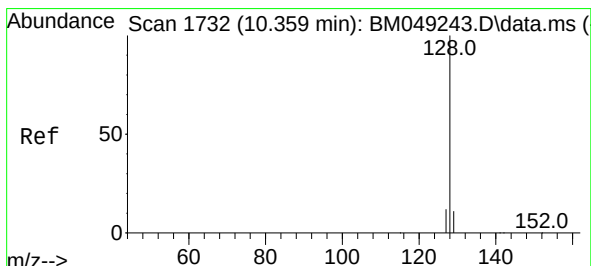
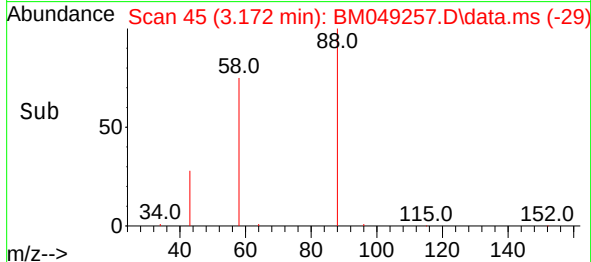
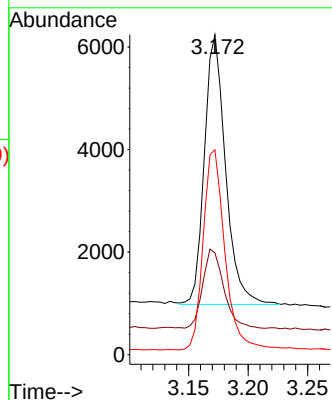
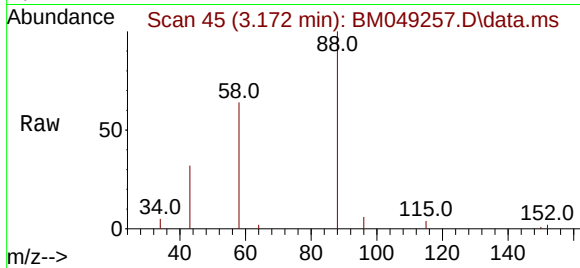




#2  
1,4-Dioxane  
Concen: 1.514 ng/ul  
RT: 3.172 min Scan# 41  
Delta R.T. -0.004 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

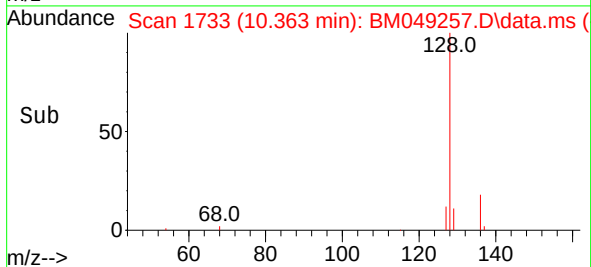
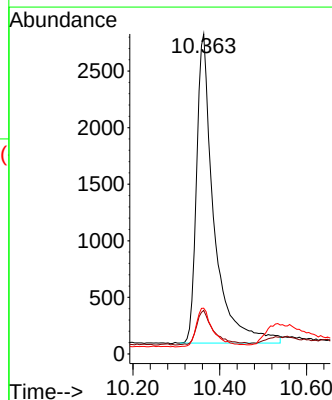
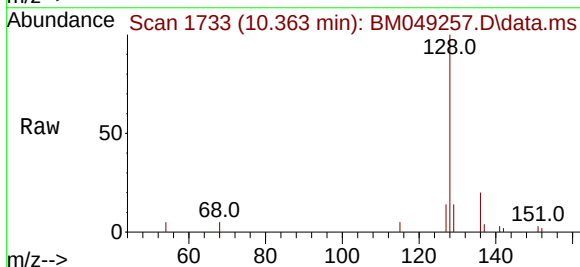
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS797

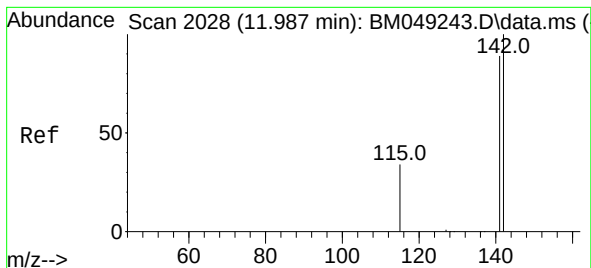
Tgt Ion: 88 Resp: 6513  
Ion Ratio Lower Upper  
88 100  
43 31.9 45.4 68.2#  
58 64.1 43.6 65.4



#5  
Naphthalene  
Concen: 0.303 ng/ul  
RT: 10.363 min Scan# 1733  
Delta R.T. 0.005 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

Tgt Ion: 128 Resp: 7602  
Ion Ratio Lower Upper  
128 100  
129 13.6 9.7 14.5  
127 14.3 10.6 16.0

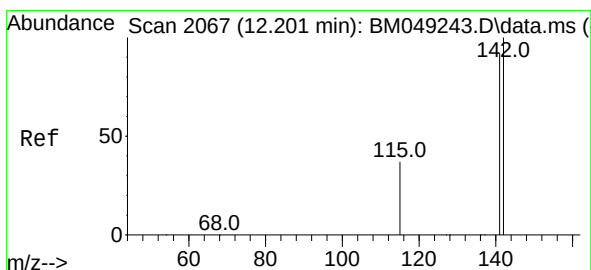
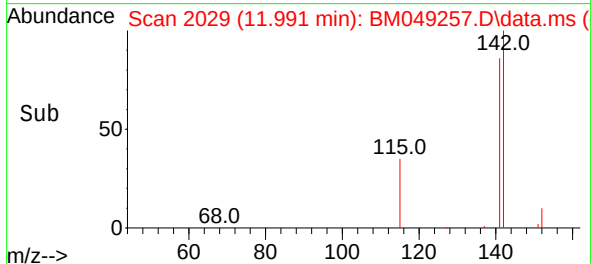
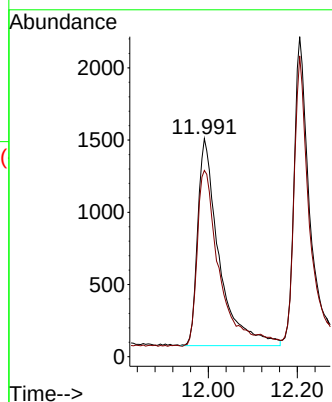
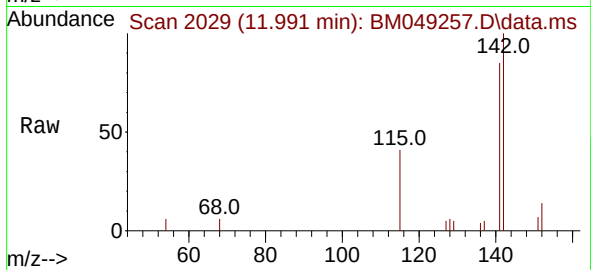




#7  
2-Methylnaphthalene  
Concen: 0.300 ng/ul  
RT: 11.991 min Scan# 2029  
Delta R.T. 0.011 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

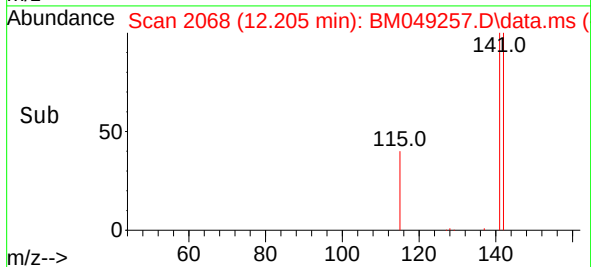
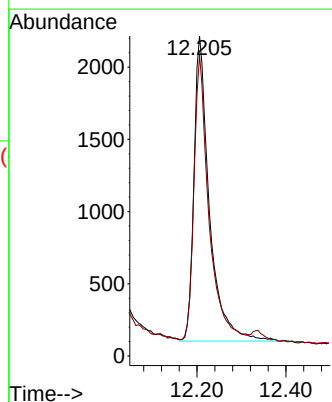
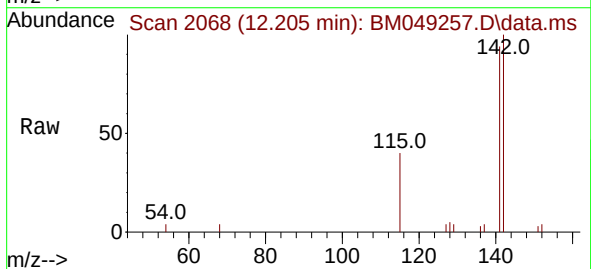
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS797

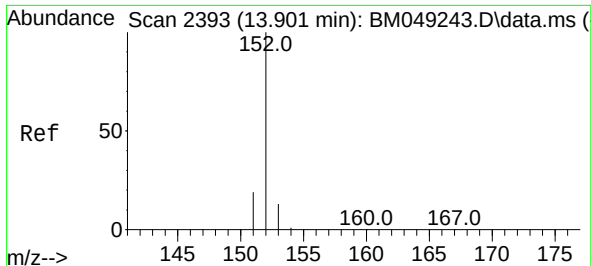
Tgt Ion:142 Resp: 4762  
Ion Ratio Lower Upper  
142 100  
141 90.0 71.7 107.5



#8  
1-Methylnaphthalene  
Concen: 0.313 ng/ul  
RT: 12.205 min Scan# 2068  
Delta R.T. 0.000 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

Tgt Ion:142 Resp: 5099  
Ion Ratio Lower Upper  
142 100  
141 89.7 72.7 109.1

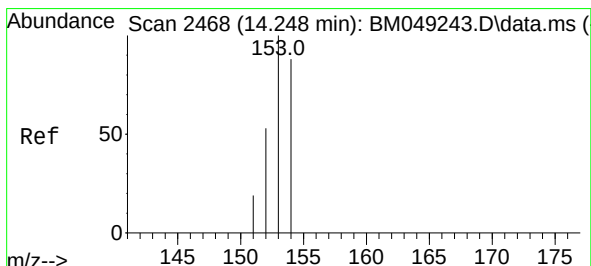
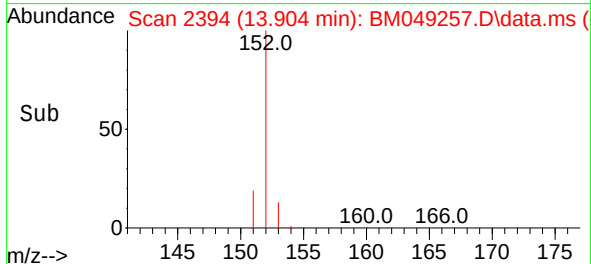
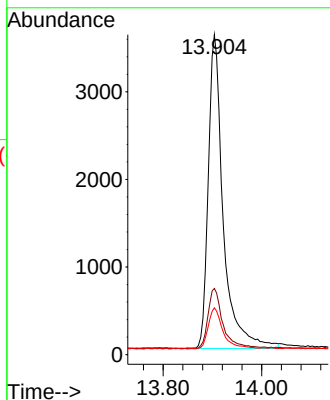
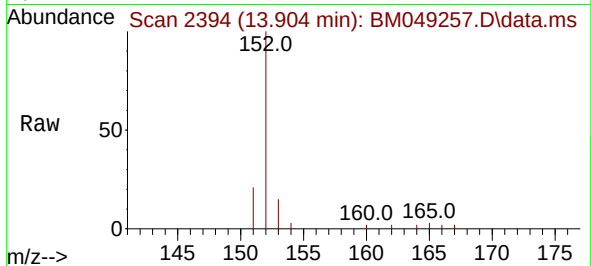




#10  
Acenaphthylene  
Concen: 0.283 ng/ul  
RT: 13.904 min Scan# 2469  
Delta R.T. 0.005 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

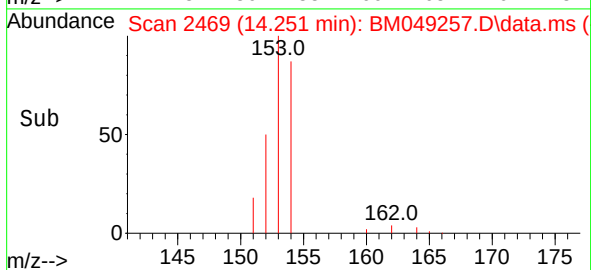
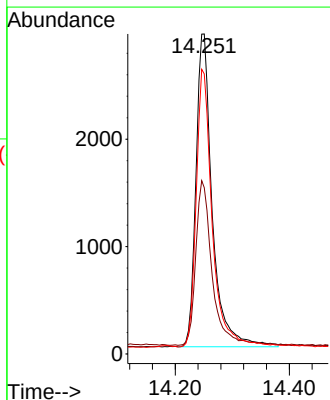
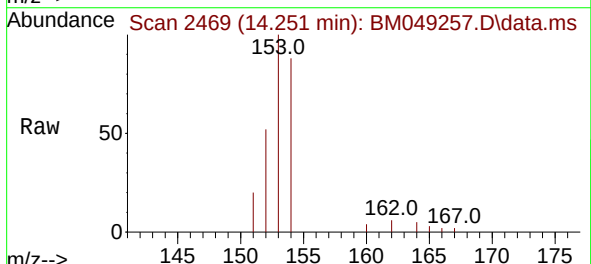
Instrument :  
BNA\_M  
ClientSampleId :  
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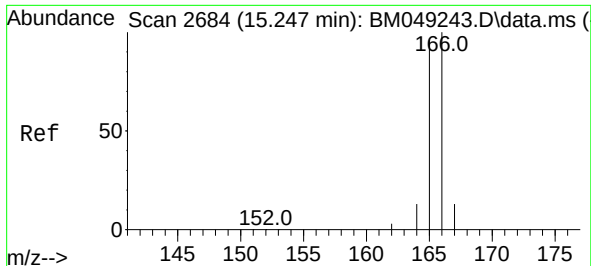
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 7550        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 151         | 20.7  | 16.0 24.0   |
| 153         | 14.6  | 11.0 16.6   |



#11  
Acenaphthene  
Concen: 0.297 ng/ul  
RT: 14.251 min Scan# 2469  
Delta R.T. 0.005 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

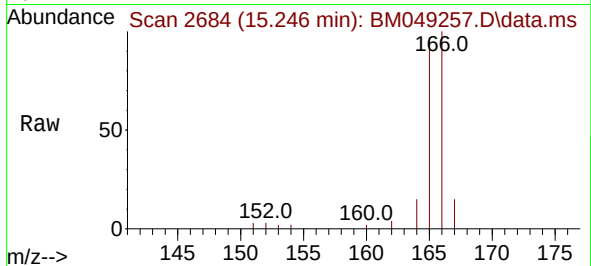
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:153 | Resp: | 5788        |
| Ion         | Ratio | Lower Upper |
| 153         | 100   |             |
| 152         | 52.0  | 40.7 61.1   |
| 154         | 87.5  | 70.8 106.2  |



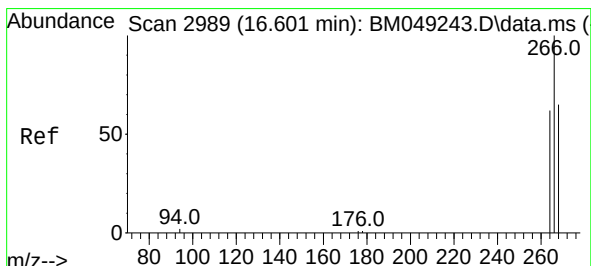
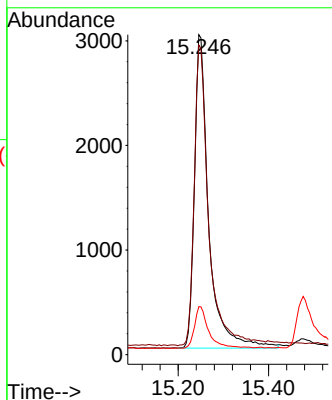
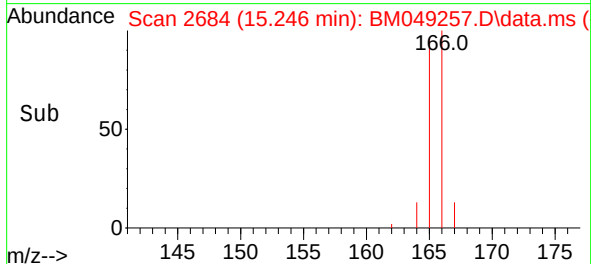


#12  
 Fluorene  
 Concen: 0.300 ng/ul  
 RT: 15.246 min Scan# 2  
 Delta R.T. 0.005 min  
 Lab File: BM049257.D  
 Acq: 27 Dec 2024 16:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS797

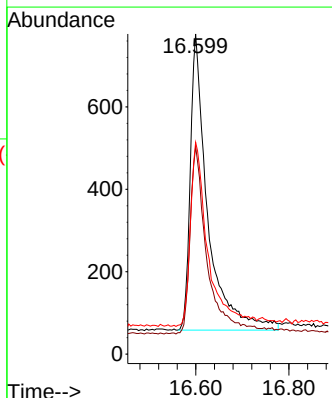
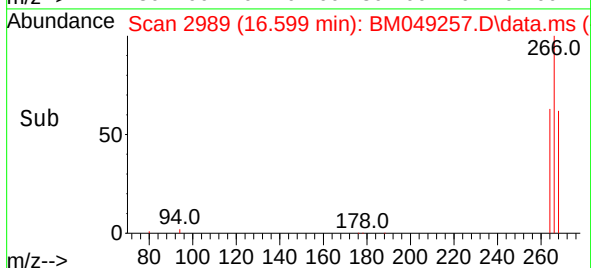
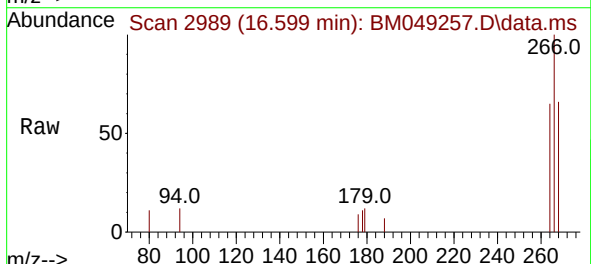


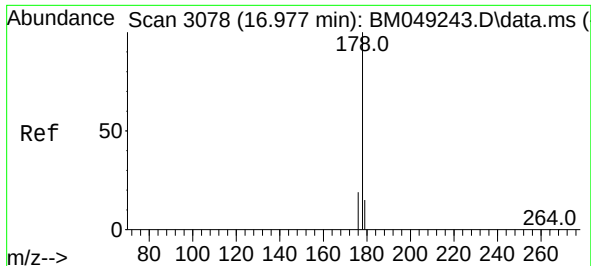
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 6596  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 96.7  | 79.7  | 119.5 |
| 167      | 15.0  | 11.4  | 17.0  |



#14  
 Pentachlorophenol  
 Concen: 0.472 ng/ul  
 RT: 16.599 min Scan# 2989  
 Delta R.T. 0.004 min  
 Lab File: BM049257.D  
 Acq: 27 Dec 2024 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 1866  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 63.3  | 48.3  | 72.5  |
| 268      | 63.1  | 47.5  | 71.3  |

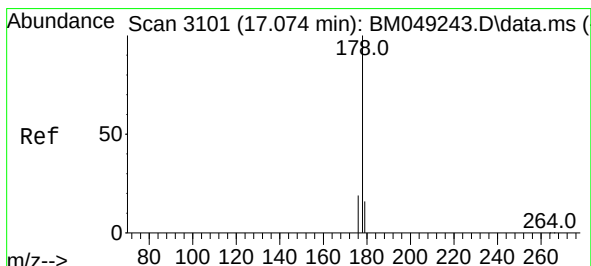
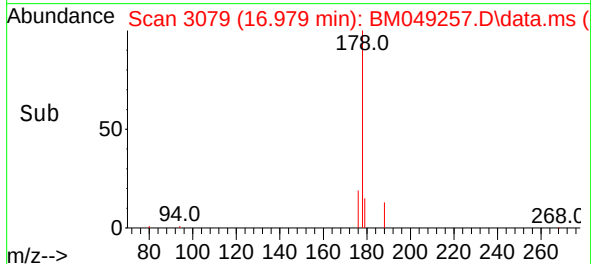
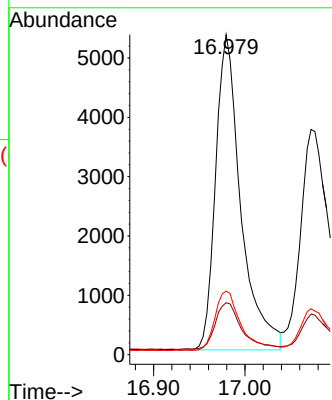
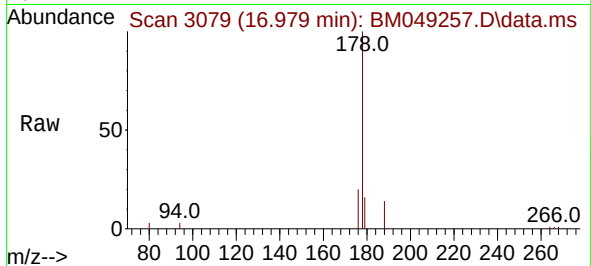




#15  
Phenanthrene  
Concen: 0.272 ng/ul  
RT: 16.979 min Scan# 3079  
Delta R.T. 0.004 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

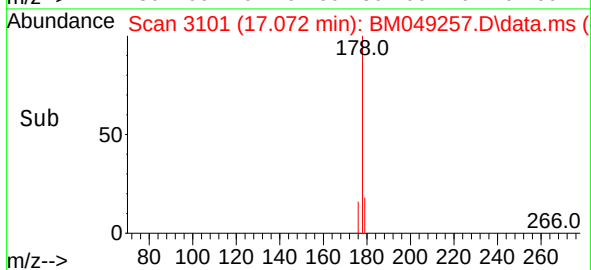
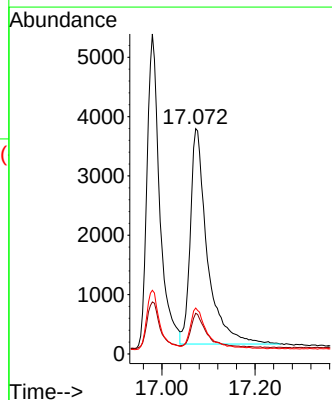
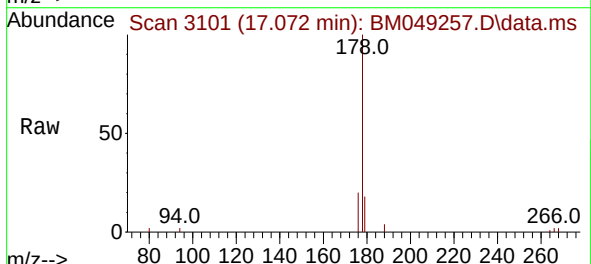
Instrument :  
BNA\_M  
ClientSampleId :  
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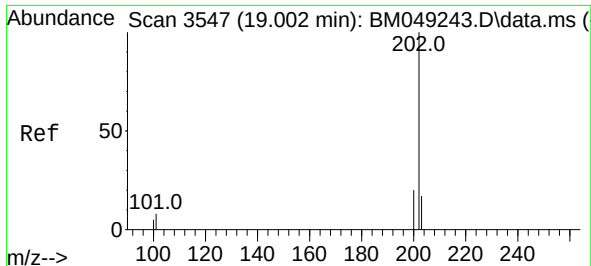
Tgt Ion:178 Resp: 10170  
Ion Ratio Lower Upper  
178 100  
179 16.2 13.0 19.4  
176 19.9 16.2 24.2



#16  
Anthracene  
Concen: 0.267 ng/ul  
RT: 17.072 min Scan# 3101  
Delta R.T. 0.004 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

Tgt Ion:178 Resp: 9159  
Ion Ratio Lower Upper  
178 100  
179 18.1 12.9 19.3  
176 20.4 15.3 22.9





#19

Fluoranthene

Concen: 0.324 ng/ul

RT: 19.001 min Scan# 3547

Delta R.T. 0.000 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

Instrument :

BNA\_M

ClientSampleId :

SLCS797

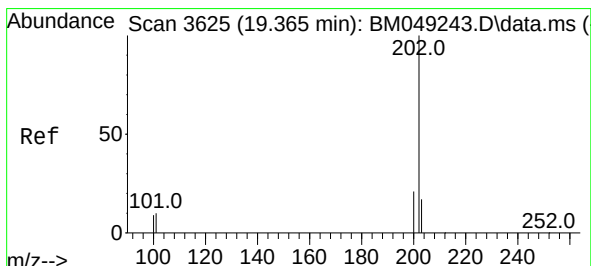
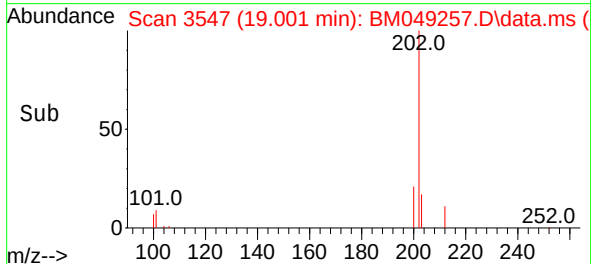
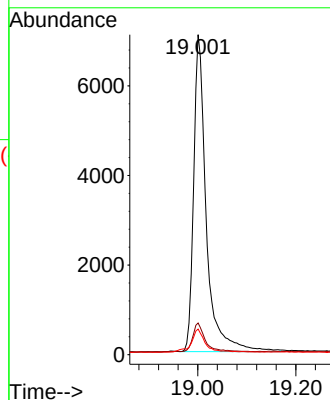
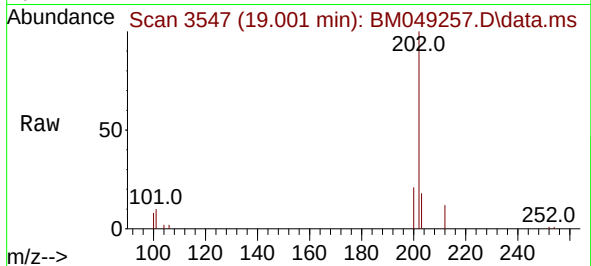
Tgt Ion:202 Resp: 12640

Ion Ratio Lower Upper

202 100

101 9.9 7.6 11.4

100 8.0 5.5 8.3



#20

Pyrene

Concen: 0.318 ng/ul

RT: 19.363 min Scan# 3625

Delta R.T. -0.000 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

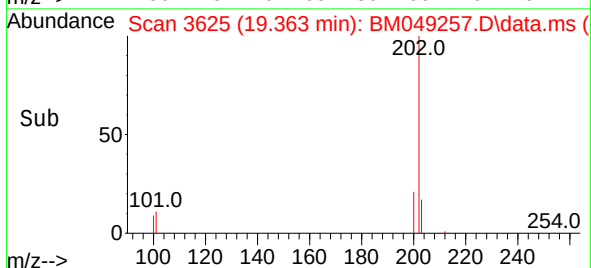
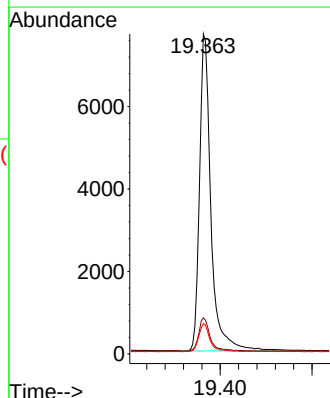
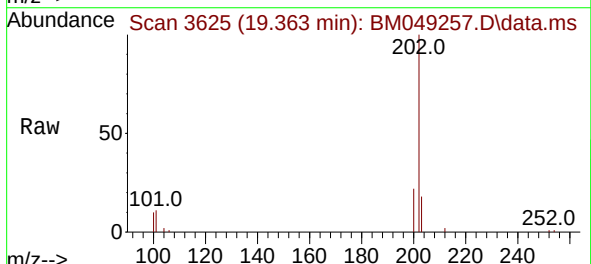
Tgt Ion:202 Resp: 13262

Ion Ratio Lower Upper

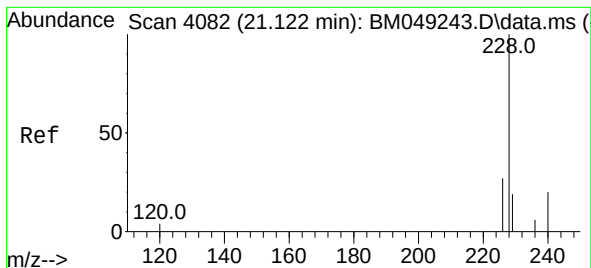
202 100

101 11.3 8.9 13.3

100 9.5 6.9 10.3







#21

Benzo(a)anthracene

Concen: 0.256 ng/ul

RT: 21.126 min Scan# 4083

Delta R.T. 0.006 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

Instrument :

BNA\_M

ClientSampleId :

SLCS797

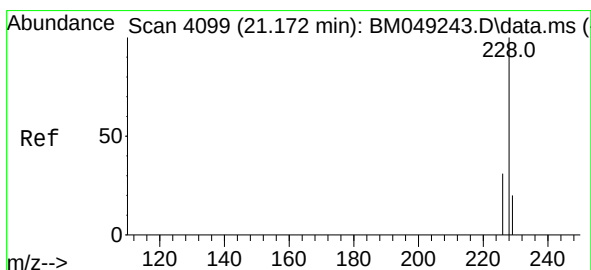
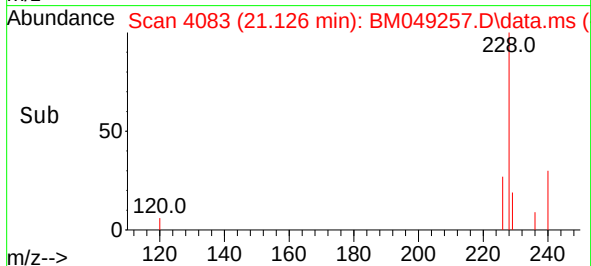
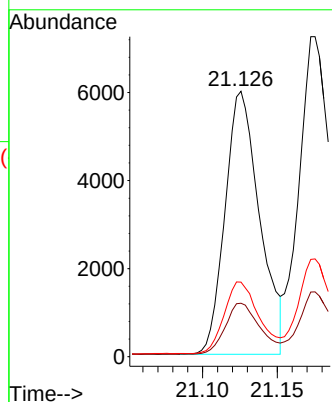
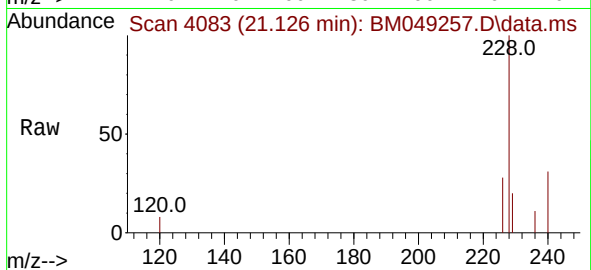
Tgt Ion:228 Resp: 9623

Ion Ratio Lower Upper

228 100

229 20.2 15.9 23.9

226 28.1 22.6 34.0



#22

Chrysene

Concen: 0.318 ng/ul

RT: 21.172 min Scan# 4099

Delta R.T. 0.000 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

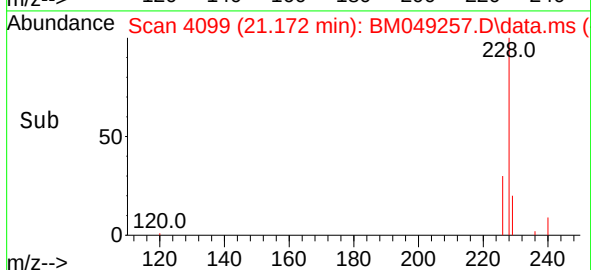
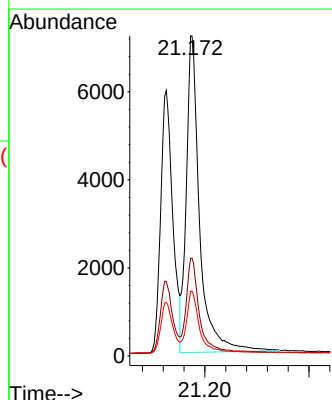
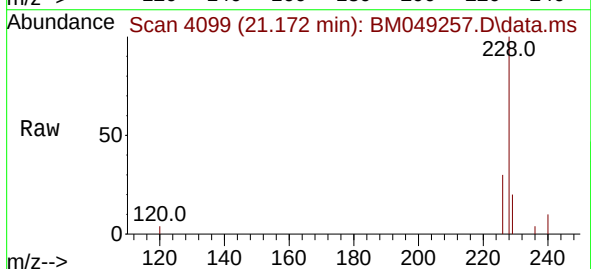
Tgt Ion:228 Resp: 12805

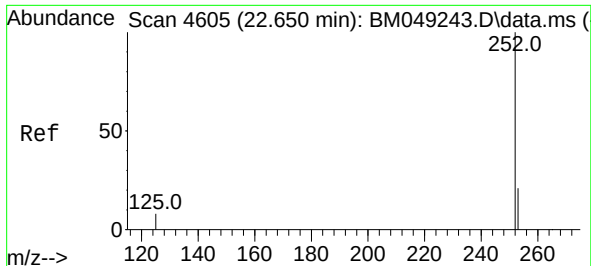
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 20.2 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.303 ng/ul

RT: 22.654 min Scan# 4605

Delta R.T. 0.006 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

Instrument :

BNA\_M

ClientSampleId :

SLCS797

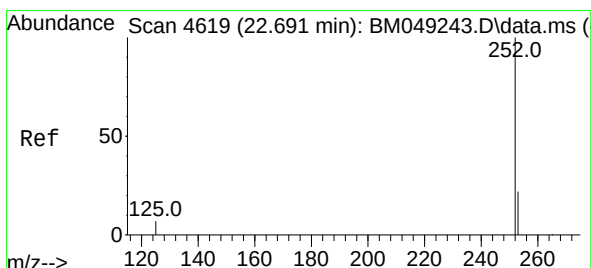
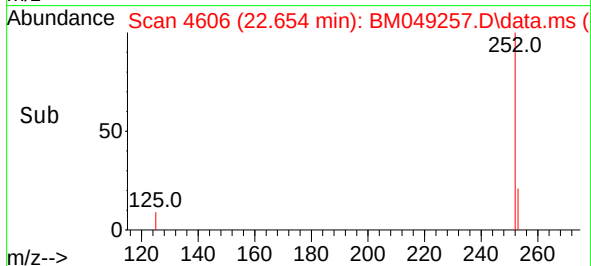
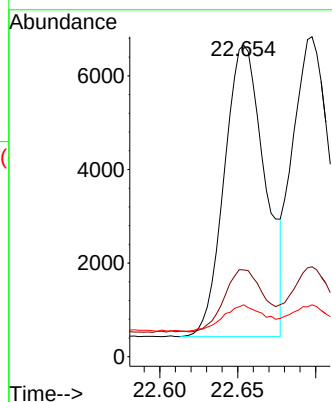
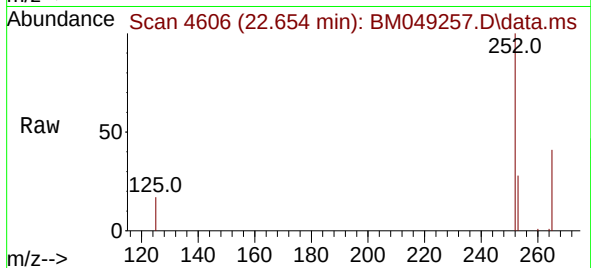
Tgt Ion:252 Resp: 11286

Ion Ratio Lower Upper

252 100

253 27.9 0.0 52.6

125 16.7 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 0.315 ng/ul

RT: 22.698 min Scan# 4621

Delta R.T. 0.006 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

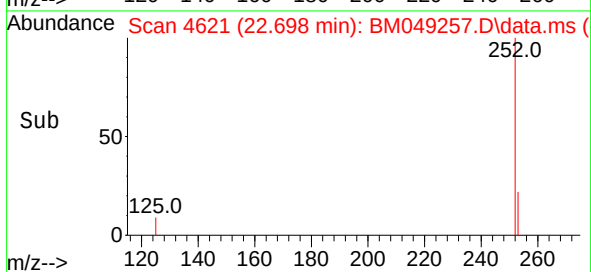
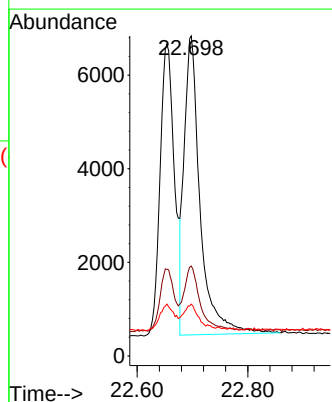
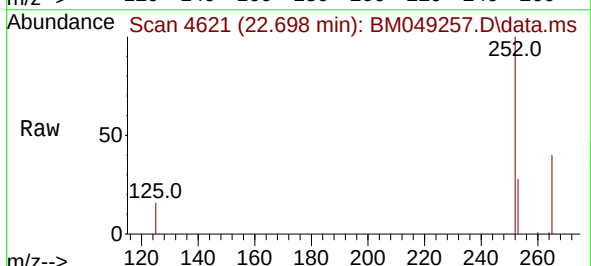
Tgt Ion:252 Resp: 12839

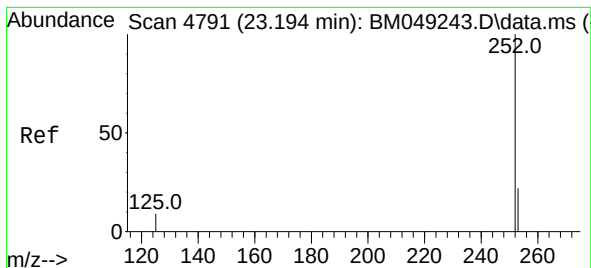
Ion Ratio Lower Upper

252 100

253 28.1 21.3 31.9

125 16.2 12.6 18.8





#26

Benzo(a)pyrene

Concen: 0.294 ng/ul

RT: 23.203 min Scan# 4791

Delta R.T. 0.012 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

Instrument :

BNA\_M

ClientSampleId :

SLCS797

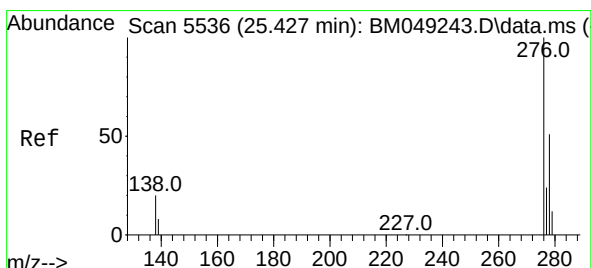
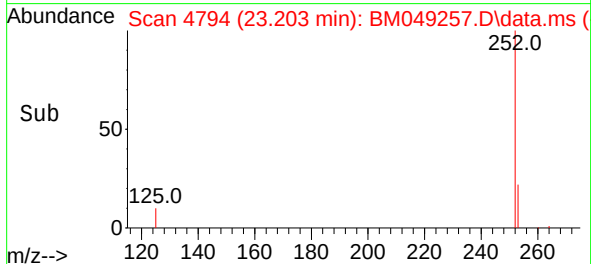
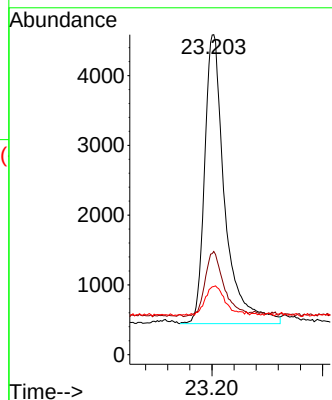
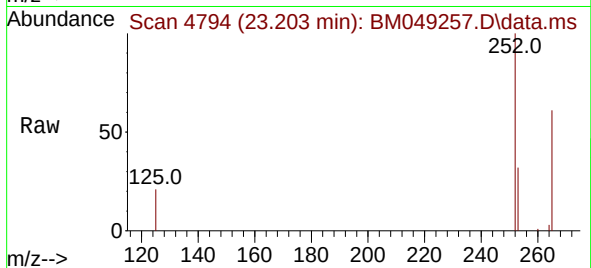
Tgt Ion:252 Resp: 10468

Ion Ratio Lower Upper

252 100

253 32.2 22.4 33.6

125 21.3 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.279 ng/ul

RT: 25.433 min Scan# 5538

Delta R.T. 0.016 min

Lab File: BM049257.D

Acq: 27 Dec 2024 16:27

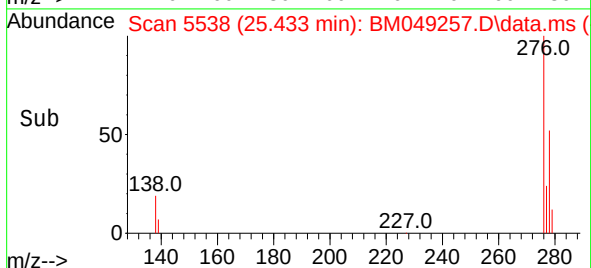
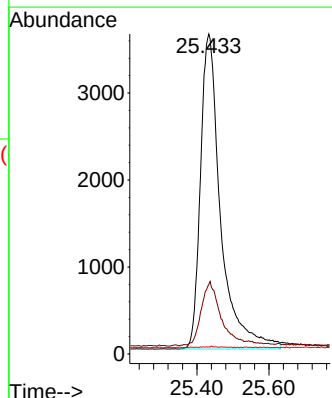
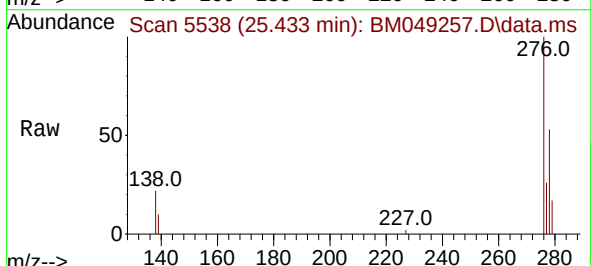
Tgt Ion:276 Resp: 14104

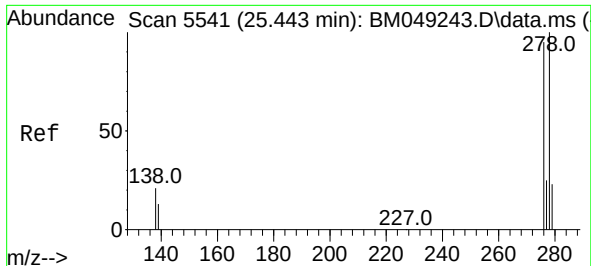
Ion Ratio Lower Upper

276 100

138 20.7 17.4 26.2

227 0.1 0.2 0.2#

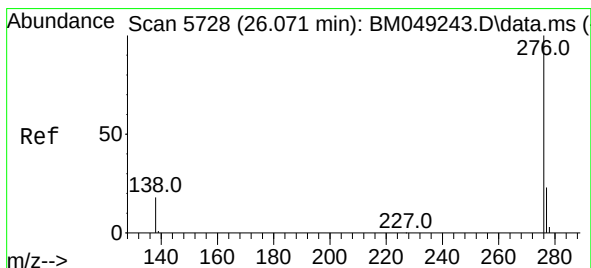
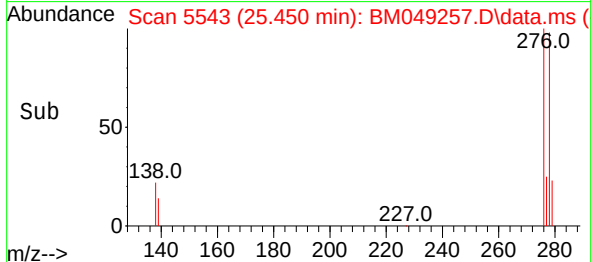
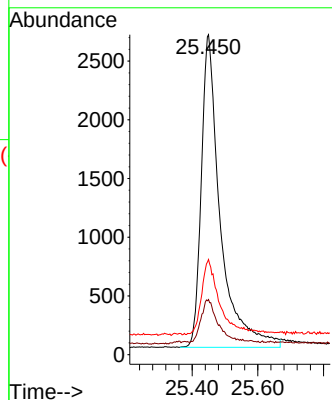
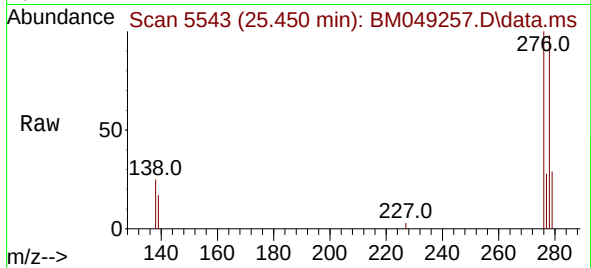




#28  
Dibenzo(a,h)anthracene  
Concen: 0.272 ng/ul  
RT: 25.450 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS797

Tgt Ion:278 Resp: 10674  
Ion Ratio Lower Upper  
278 100  
139 17.2 13.5 20.3  
279 29.8 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.296 ng/ul  
RT: 26.081 min Scan# 5731  
Delta R.T. 0.013 min  
Lab File: BM049257.D  
Acq: 27 Dec 2024 16:27

Tgt Ion:276 Resp: 12005  
Ion Ratio Lower Upper  
276 100  
138 20.4 16.7 25.1  
277 24.7 19.9 29.9

