

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122324\  
 Data File : BM049154.D  
 Acq On : 23 Dec 2024 19:45  
 Operator : RC/JU  
 Sample : PB165813BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS813

Quant Time: Dec 23 22:58:59 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

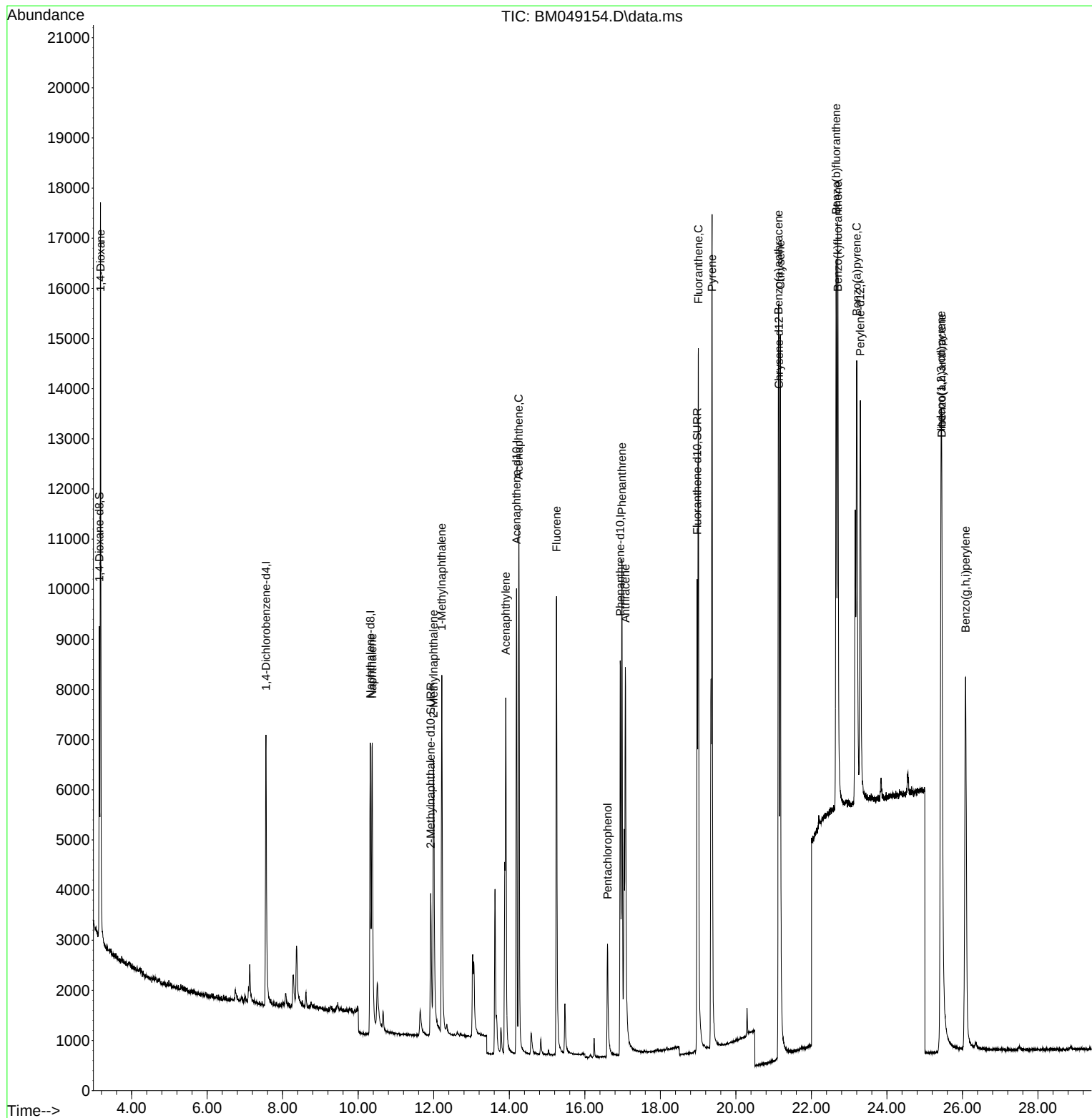
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.556  | 152  | 3652     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.321 | 136  | 10149    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.192 | 164  | 5688     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.939 | 188  | 11368    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.143 | 240  | 10015    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.297 | 264  | 11505    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.143  | 96   | 3514     | 0.834 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.921 | 152  | 5734     | 0.420 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.974 | 212  | 12307    | 0.433 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.176  | 88   | 8840     | 1.796 | ng/ul# | 74       |
| 5) Naphthalene              | 10.370 | 128  | 10203    | 0.402 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.998 | 142  | 6082     | 0.378 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.212 | 142  | 6255     | 0.380 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.910 | 152  | 8893     | 0.377 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.252 | 153  | 6770     | 0.393 | ng/ul  | 97       |
| 12) Fluorene                | 15.251 | 166  | 7448     | 0.384 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.601 | 266  | 2318     | 0.738 | ng/ul  | 97       |
| 15) Phenanthrene            | 16.981 | 178  | 11739    | 0.395 | ng/ul  | 99       |
| 16) Anthracene              | 17.074 | 178  | 10587    | 0.388 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.007 | 202  | 14399    | 0.398 | ng/ul  | 99       |
| 20) Pyrene                  | 19.369 | 202  | 15364    | 0.398 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.125 | 228  | 12496    | 0.359 | ng/ul  | 100      |
| 22) Chrysene                | 21.178 | 228  | 15251    | 0.408 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.656 | 252  | 14415    | 0.392 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 22.697 | 252  | 17248    | 0.428 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.200 | 252  | 14211    | 0.403 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.430 | 276  | 20330    | 0.408 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.453 | 278  | 15666    | 0.404 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 26.084 | 276  | 16715    | 0.417 | ng/ul  | 100      |
| -----                       |        |      |          |       |        |          |

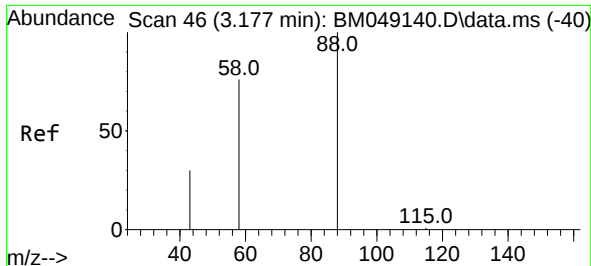
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122324\  
Data File : BM049154.D  
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Instrument :  
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Quant Time: Dec 23 22:58:59 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

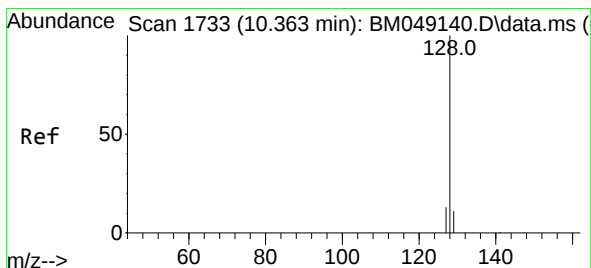
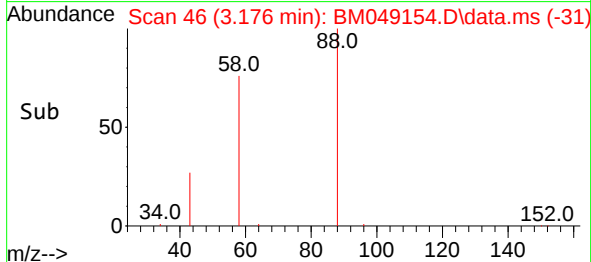
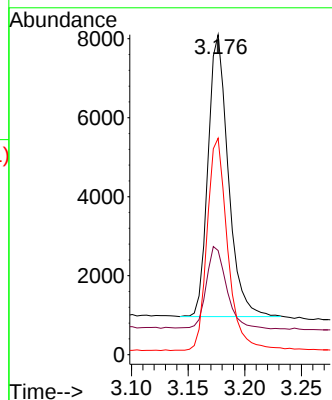
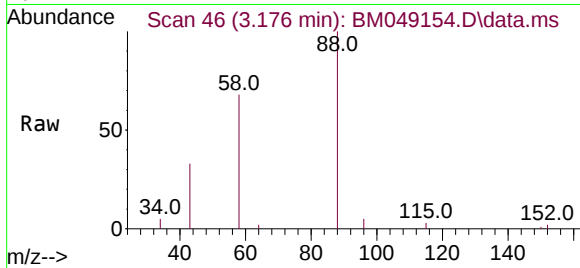




#2  
1,4-Dioxane  
Concen: 1.796 ng/ul  
RT: 3.176 min Scan# 46  
Delta R.T. -0.009 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

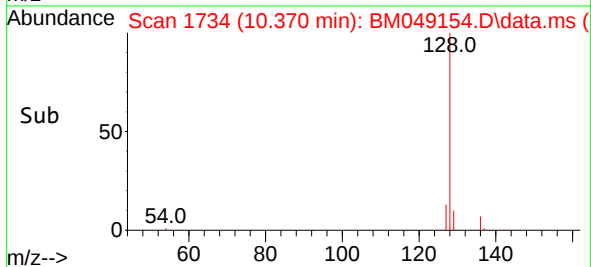
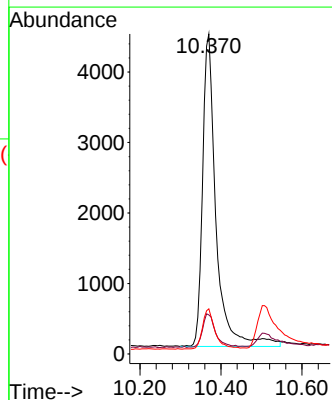
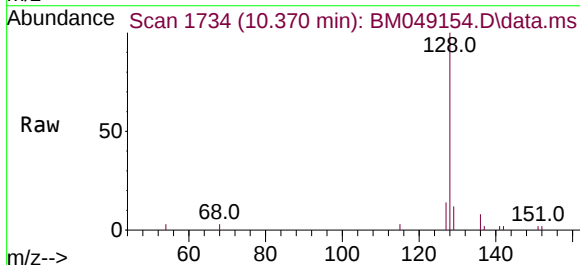
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

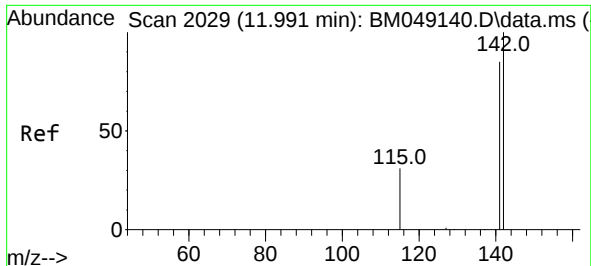
Tgt Ion: 88 Resp: 8840  
Ion Ratio Lower Upper  
88 100  
43 32.6 45.4 68.2#  
58 67.6 43.6 65.4#



#5  
Naphthalene  
Concen: 0.402 ng/ul  
RT: 10.370 min Scan# 1734  
Delta R.T. -0.010 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion: 128 Resp: 10203  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.7 14.5  
127 14.1 10.6 16.0

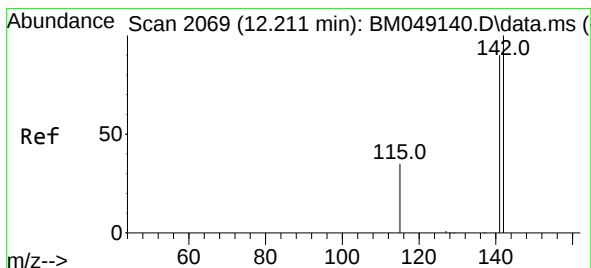
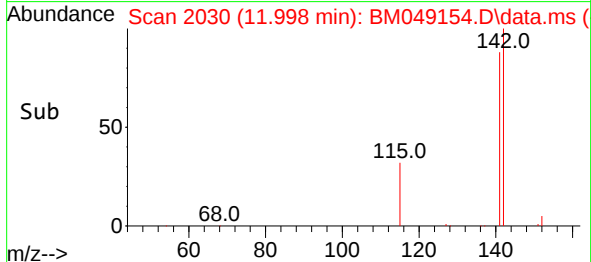
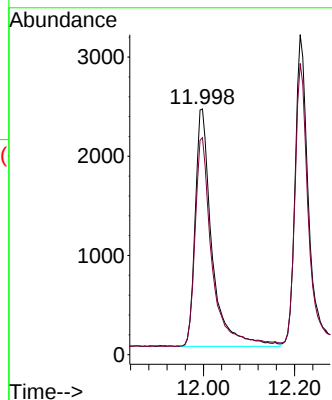
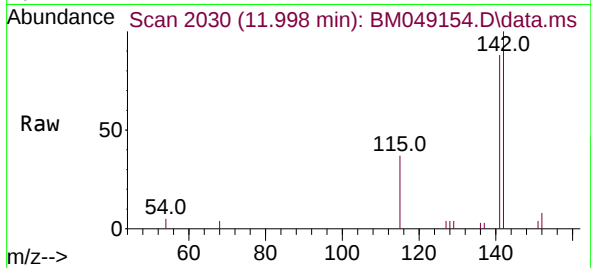




#7  
2-Methylnaphthalene  
Concen: 0.378 ng/ul  
RT: 11.998 min Scan# 2029  
Delta R.T. -0.004 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

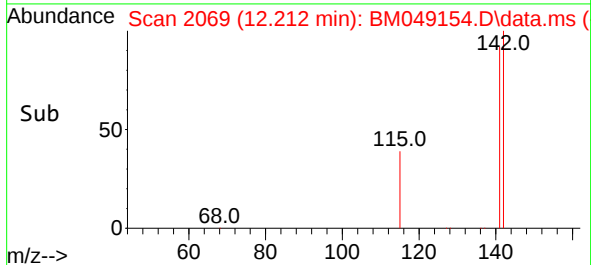
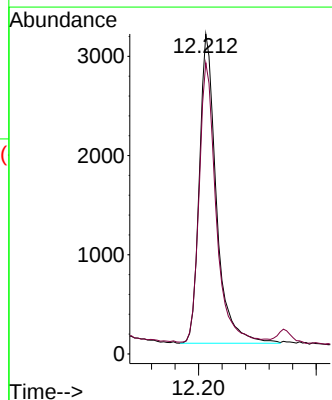
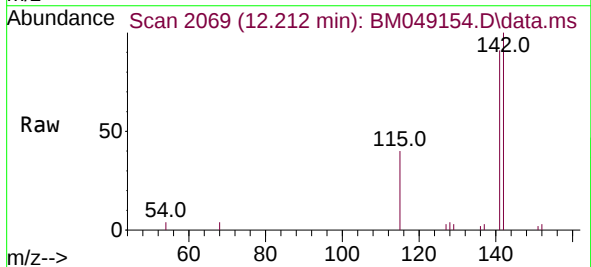
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

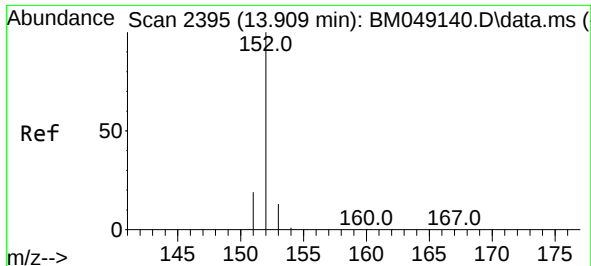
Tgt Ion:142 Resp: 6082  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.7 107.5



#8  
1-Methylnaphthalene  
Concen: 0.380 ng/ul  
RT: 12.212 min Scan# 2069  
Delta R.T. -0.010 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:142 Resp: 6255  
Ion Ratio Lower Upper  
142 100  
141 91.0 72.7 109.1

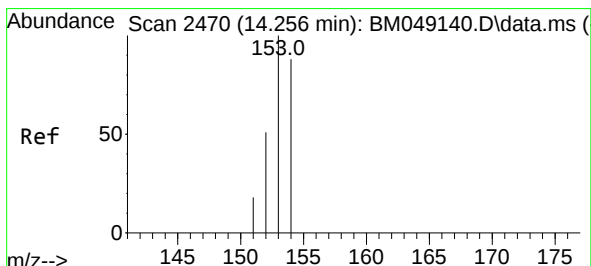
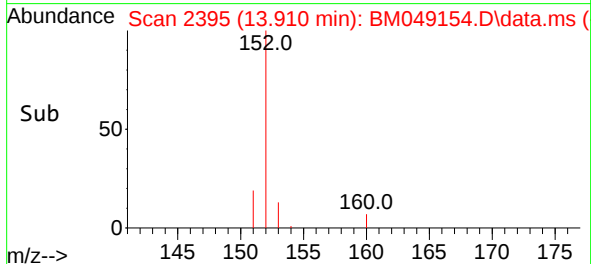
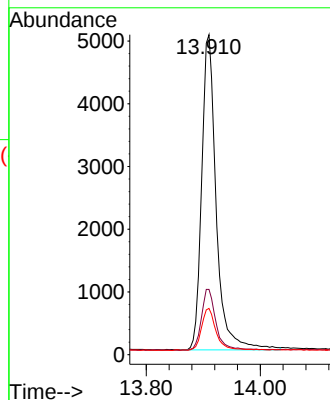
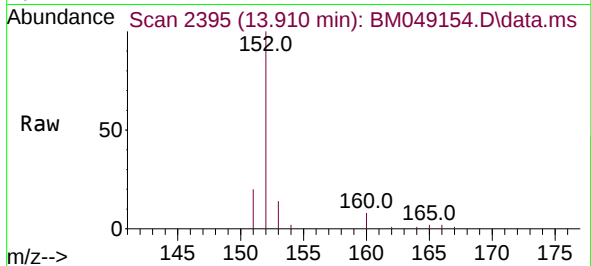




#10  
Acenaphthylene  
Concen: 0.377 ng/ul  
RT: 13.910 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

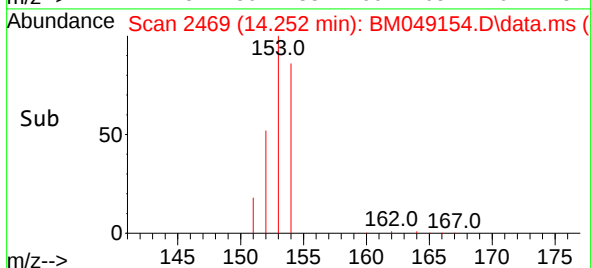
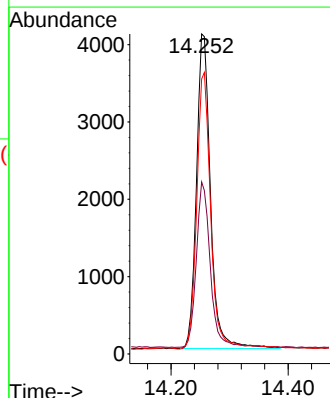
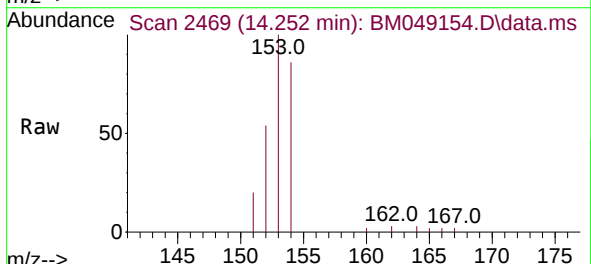
Instrument :  
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ClientSampleId :  
SLCS813

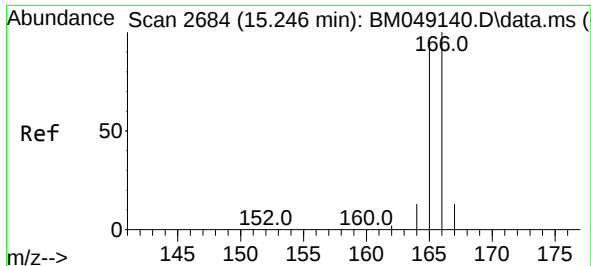
Tgt Ion:152 Resp: 8893  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.0 24.0  
153 14.5 11.0 16.6



#11  
Acenaphthene  
Concen: 0.393 ng/ul  
RT: 14.252 min Scan# 2469  
Delta R.T. -0.013 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:153 Resp: 6770  
Ion Ratio Lower Upper  
153 100  
152 53.8 40.7 61.1  
154 85.9 70.8 106.2

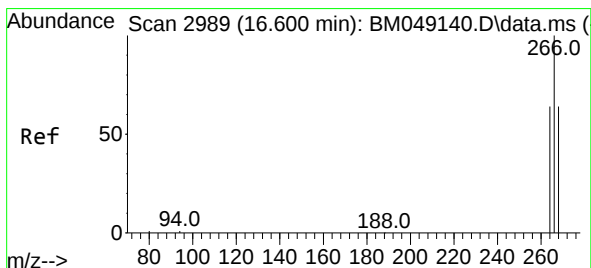
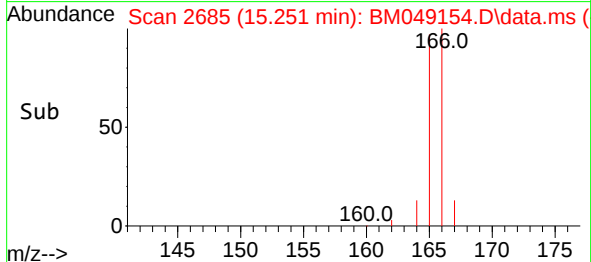
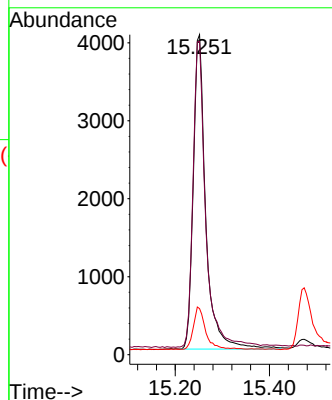
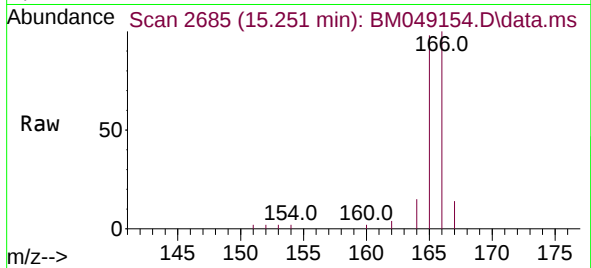




#12  
Fluorene  
Concen: 0.384 ng/ul  
RT: 15.251 min Scan# 20  
Delta R.T. -0.003 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

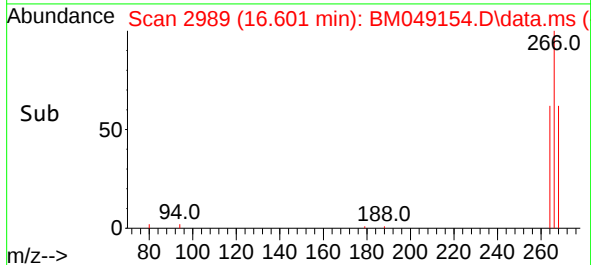
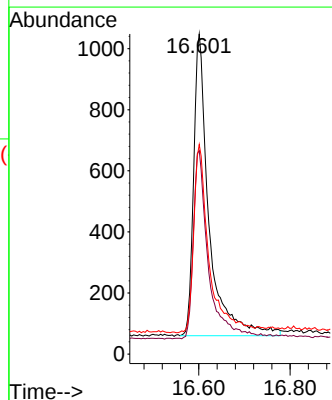
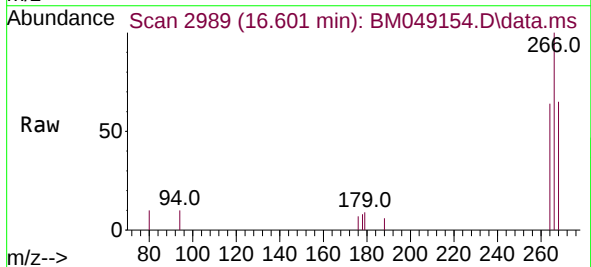
Instrument :  
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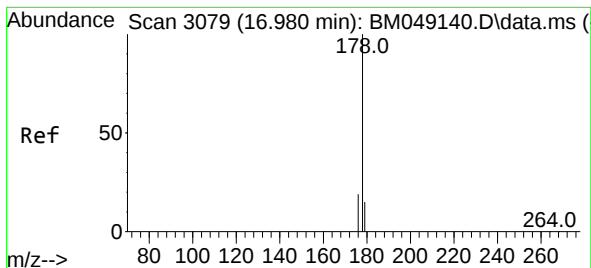
Tgt Ion:166 Resp: 7448  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.7 119.5  
167 14.4 11.4 17.0



#14  
Pentachlorophenol  
Concen: 0.738 ng/ul  
RT: 16.601 min Scan# 2989  
Delta R.T. -0.007 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:266 Resp: 2318  
Ion Ratio Lower Upper  
266 100  
264 62.3 48.3 72.5  
268 62.1 47.5 71.3





#15

Phenanthrene

Concen: 0.395 ng/ul

RT: 16.981 min Scan# 3079

Delta R.T. -0.011 min

Lab File: BM049154.D

Acq: 23 Dec 2024 19:45

Instrument :

BNA\_M

ClientSampleId :

SLCS813

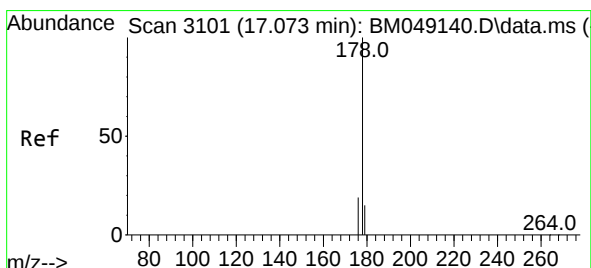
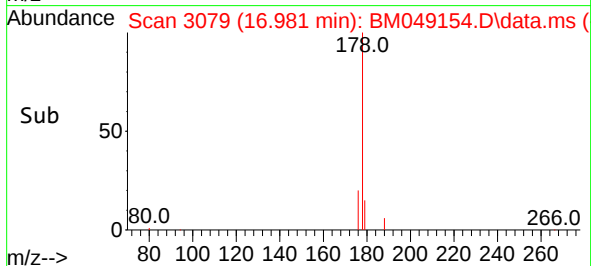
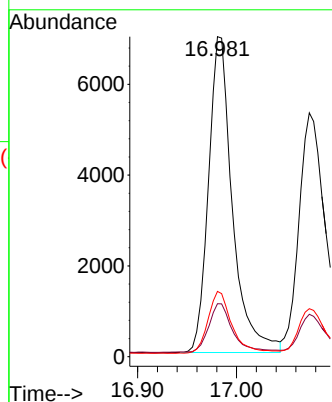
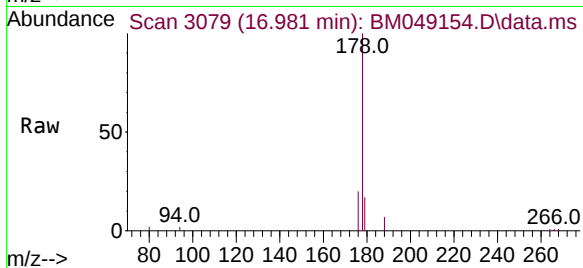
Tgt Ion:178 Resp: 11739

Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.4

176 20.4 16.2 24.2



#16

Anthracene

Concen: 0.388 ng/ul

RT: 17.074 min Scan# 3101

Delta R.T. -0.011 min

Lab File: BM049154.D

Acq: 23 Dec 2024 19:45

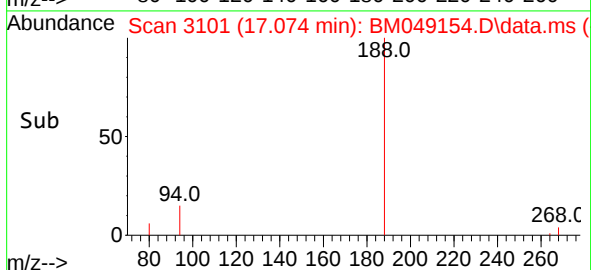
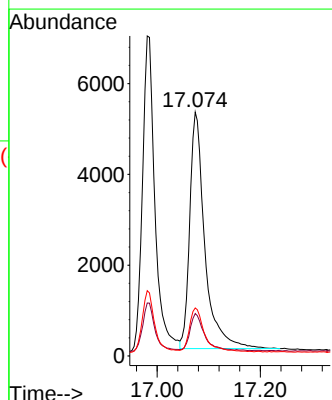
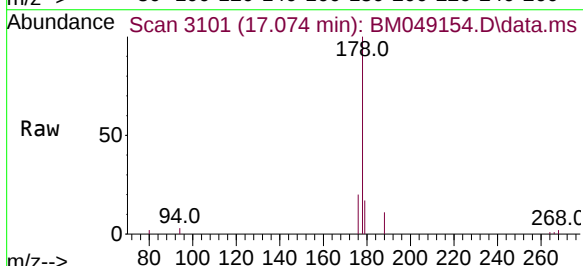
Tgt Ion:178 Resp: 10587

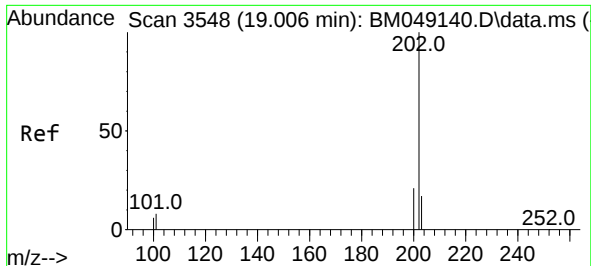
Ion Ratio Lower Upper

178 100

179 17.4 12.9 19.3

176 19.7 15.3 22.9

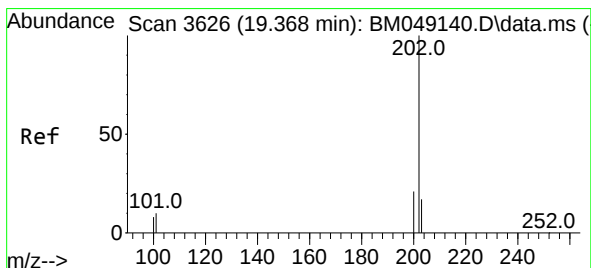
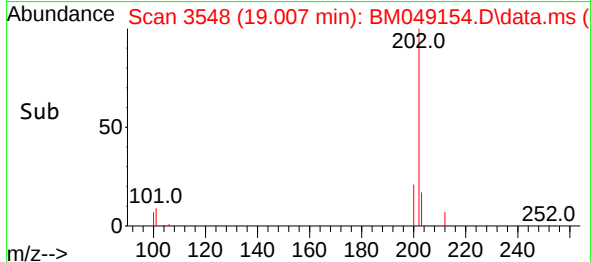
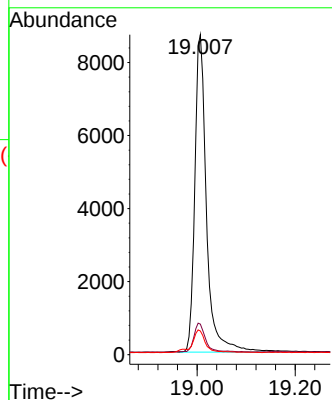
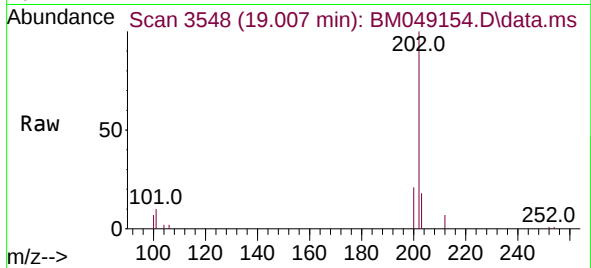




#19  
Fluoranthene  
Concen: 0.398 ng/ul  
RT: 19.007 min Scan# 3548  
Delta R.T. -0.008 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

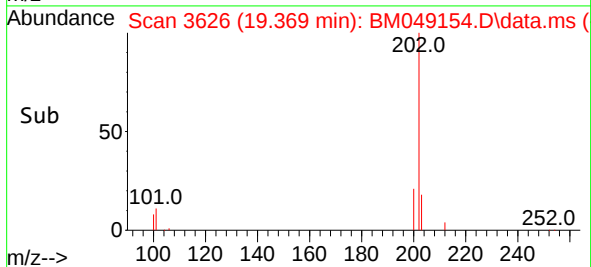
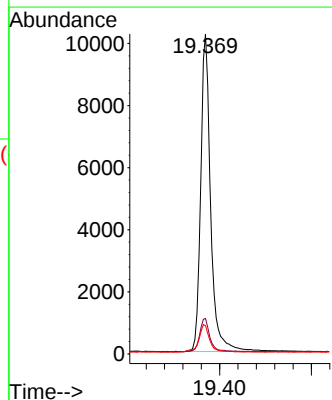
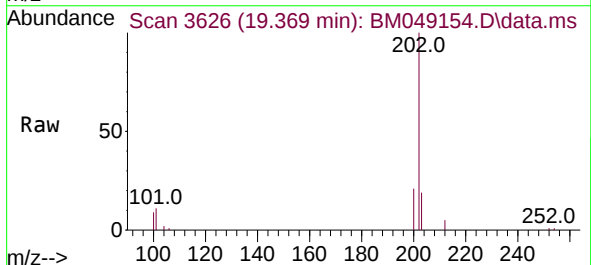
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

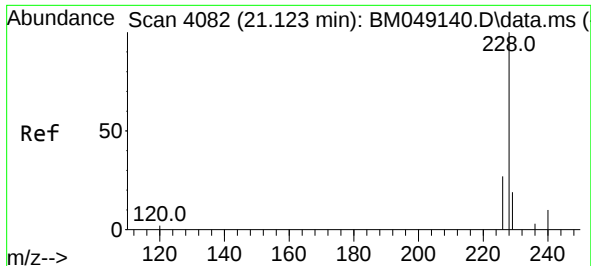
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Ion Ratio Lower Upper  
202 100  
101 9.6 7.6 11.4  
100 7.4 5.5 8.3



#20  
Pyrene  
Concen: 0.398 ng/ul  
RT: 19.369 min Scan# 3626  
Delta R.T. -0.008 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:202 Resp: 15364  
Ion Ratio Lower Upper  
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101 11.1 8.9 13.3  
100 8.8 6.9 10.3

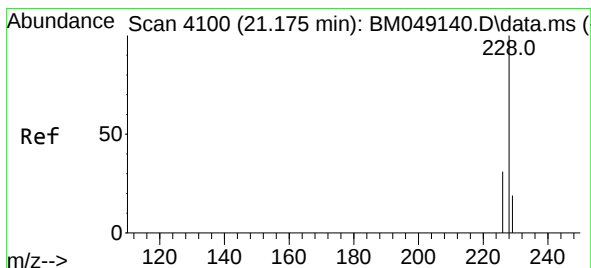
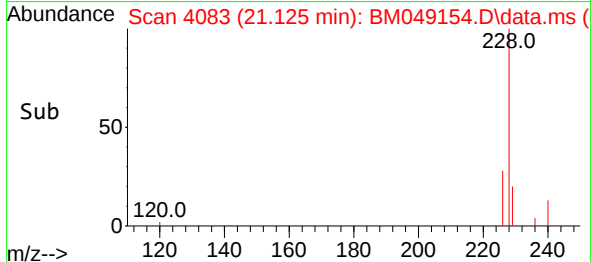
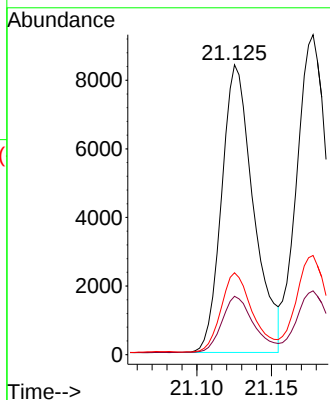
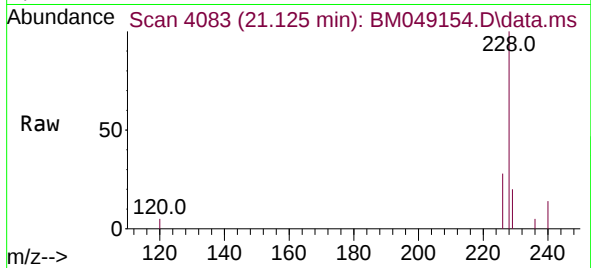




#21  
Benzo(a)anthracene  
Concen: 0.359 ng/ul  
RT: 21.125 min Scan# 4082  
Delta R.T. -0.006 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

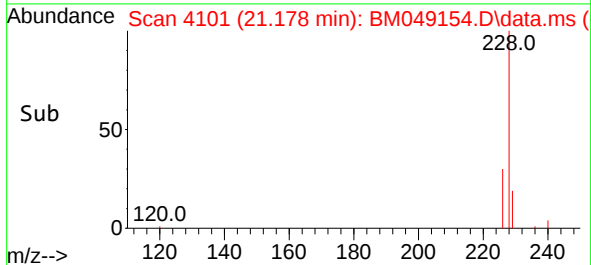
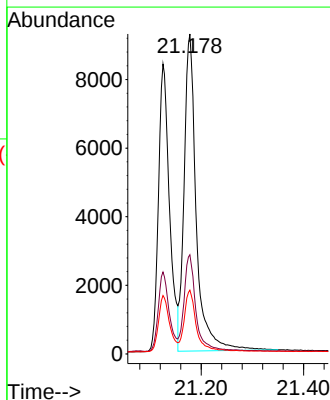
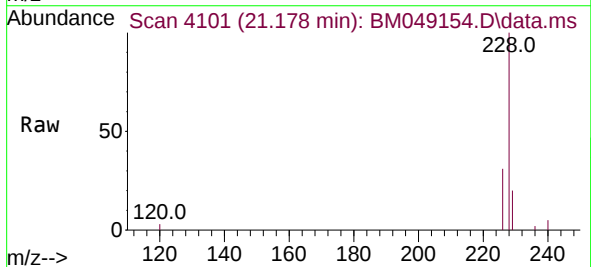
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

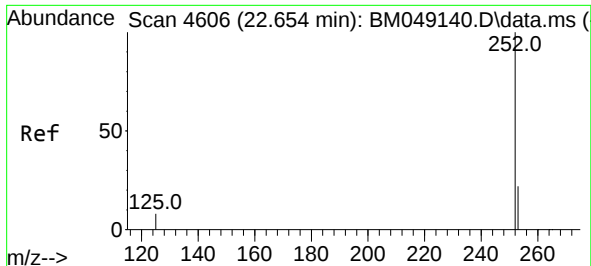
Tgt Ion:228 Resp: 12496  
Ion Ratio Lower Upper  
228 100  
229 20.2 15.9 23.9  
226 28.3 22.6 34.0



#22  
Chrysene  
Concen: 0.408 ng/ul  
RT: 21.178 min Scan# 4101  
Delta R.T. -0.006 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:228 Resp: 15251  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.1 36.1  
229 20.0 15.8 23.8

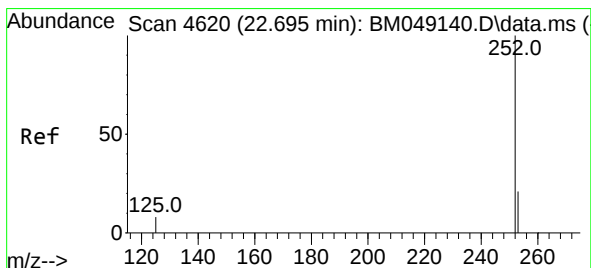
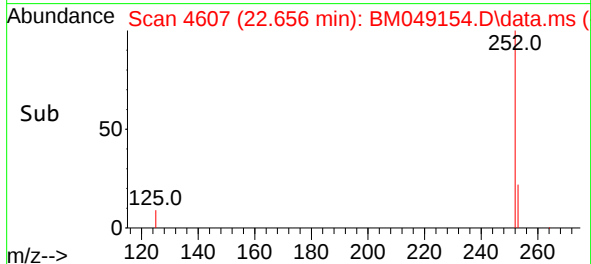
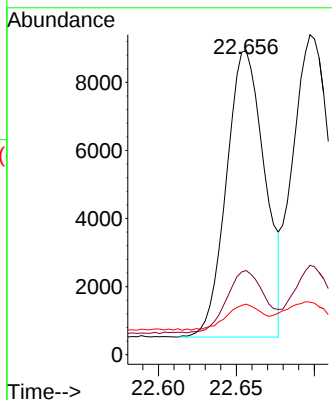
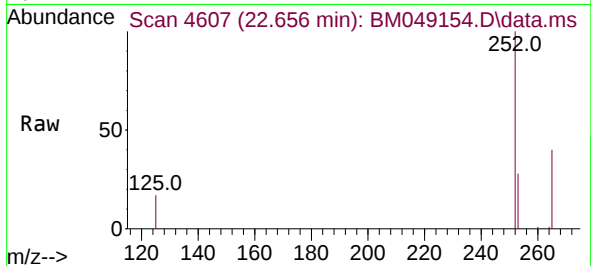




#24  
Benzo(b)fluoranthene  
Concen: 0.392 ng/ul  
RT: 22.656 min Scan# 4607  
Delta R.T. -0.006 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

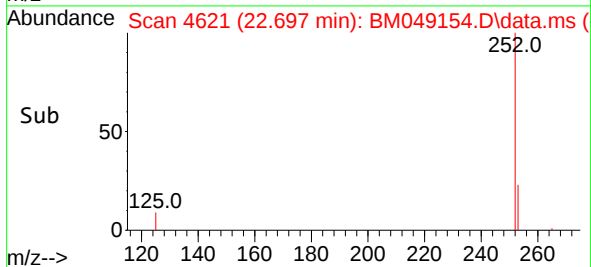
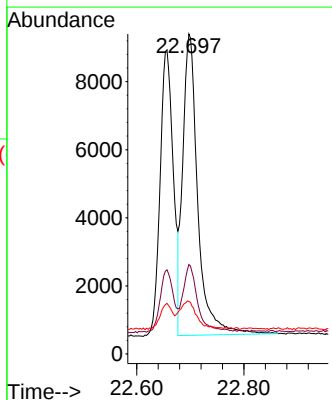
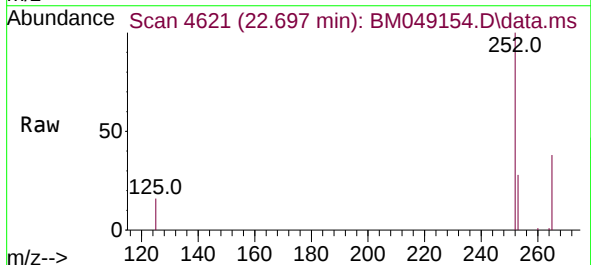
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

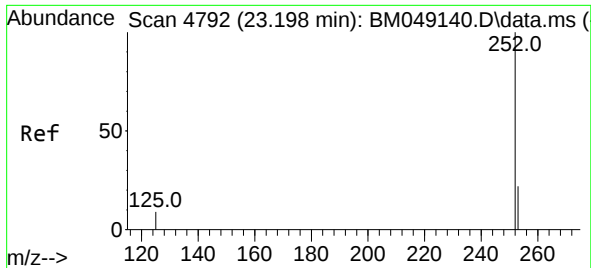
Tgt Ion:252 Resp: 14415  
Ion Ratio Lower Upper  
252 100  
253 27.7 0.0 52.6  
125 16.6 0.0 30.8



#25  
Benzo(k)fluoranthene  
Concen: 0.428 ng/ul  
RT: 22.697 min Scan# 4621  
Delta R.T. -0.009 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:252 Resp: 17248  
Ion Ratio Lower Upper  
252 100  
253 28.0 21.3 31.9  
125 16.4 12.6 18.8

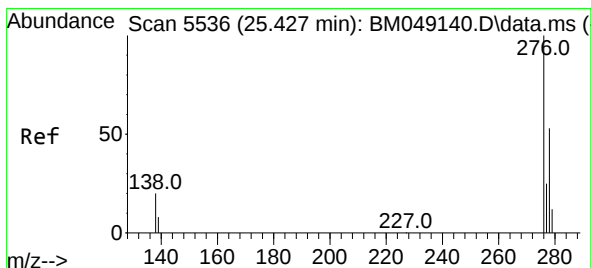
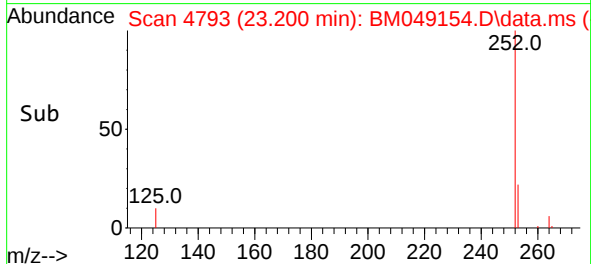
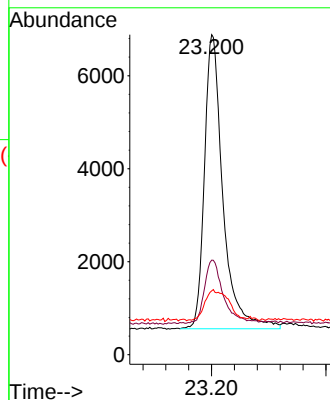
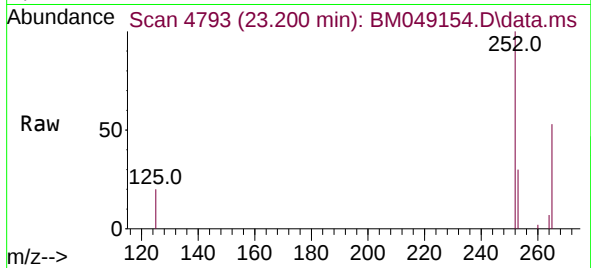




#26  
Benzo(a)pyrene  
Concen: 0.403 ng/ul  
RT: 23.200 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

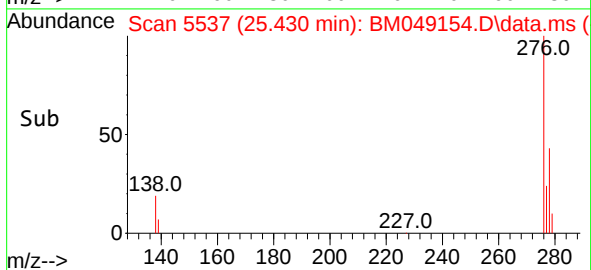
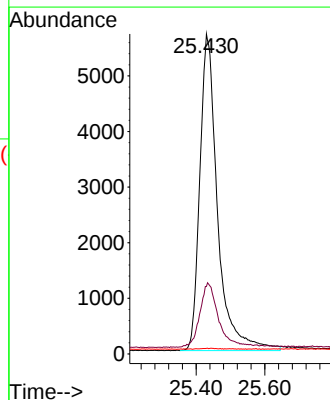
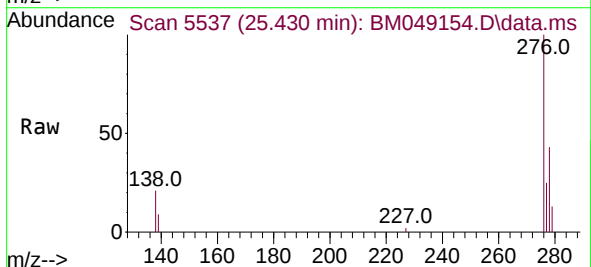
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

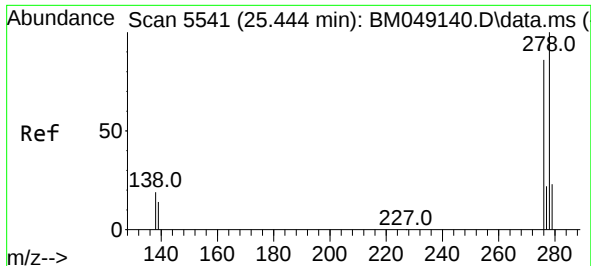
Tgt Ion:252 Resp: 14211  
Ion Ratio Lower Upper  
252 100  
253 29.6 22.4 33.6  
125 19.9 14.8 22.2



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.408 ng/ul  
RT: 25.430 min Scan# 5537  
Delta R.T. -0.017 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:276 Resp: 20330  
Ion Ratio Lower Upper  
276 100  
138 21.3 17.4 26.2  
227 0.1 0.2 0.2#

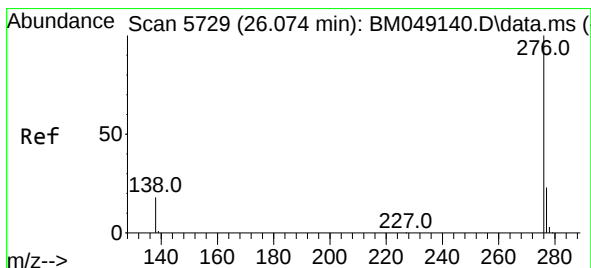
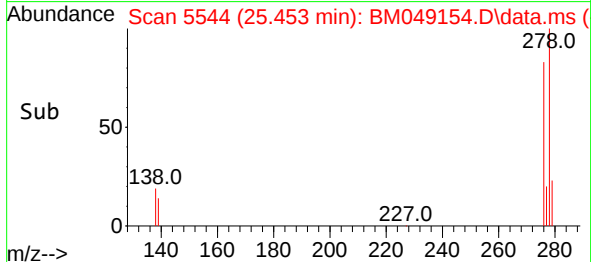
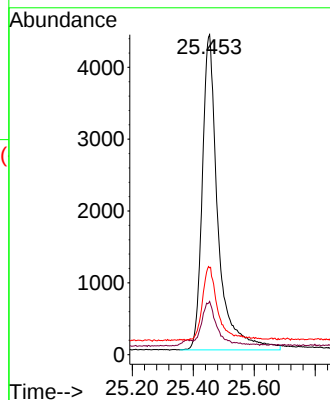
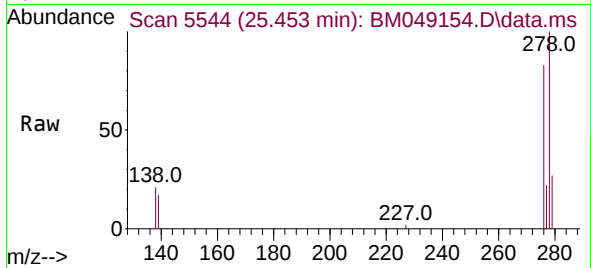




#28  
Dibenzo(a,h)anthracene  
Concen: 0.404 ng/ul  
RT: 25.453 min Scan# 51  
Delta R.T. -0.014 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS813

Tgt Ion:278 Resp: 15666  
Ion Ratio Lower Upper  
278 100  
139 16.6 13.5 20.3  
279 27.2 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.417 ng/ul  
RT: 26.084 min Scan# 5732  
Delta R.T. -0.010 min  
Lab File: BM049154.D  
Acq: 23 Dec 2024 19:45

Tgt Ion:276 Resp: 16715  
Ion Ratio Lower Upper  
276 100  
138 21.0 16.7 25.1  
277 24.8 19.9 29.9

