

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042224\  
 Data File : BM045475.D  
 Acq On : 22 Apr 2024 11:59  
 Operator : MA/JU  
 Sample : PB160063BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS063

Quant Time: Apr 23 01:48:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 01:47:19 2024  
 Response via : Initial Calibration

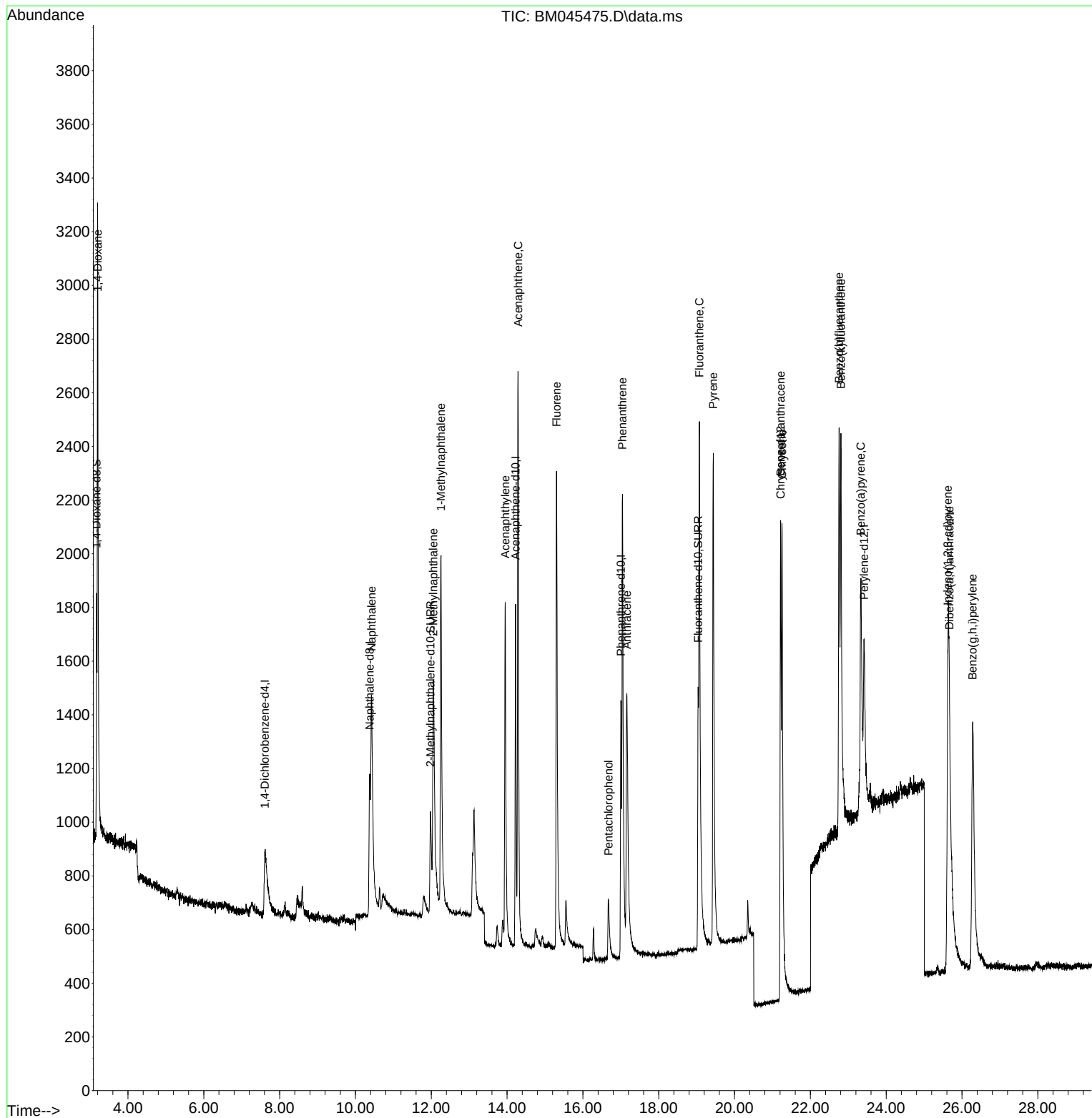
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.610  | 152  | 515      | 0.400 | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.375 | 136  | 1625     | 0.400 | ng/ul  | 0.01     |
| 9) Acenaphthene-d10         | 14.224 | 164  | 874      | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.001 | 188  | 1855     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.217 | 240  | 953      | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.417 | 264  | 1171     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.171  | 96   | 814      | 1.179 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.980 | 152  | 1069     | 0.499 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.038 | 212  | 1808     | 0.603 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.201  | 88   | 1819     | 2.739 | ng/ul# | 83       |
| 5) Naphthalene              | 10.424 | 128  | 2165     | 0.496 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.057 | 142  | 1307     | 0.524 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.255 | 142  | 1416     | 0.507 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.951 | 152  | 2288     | 0.531 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.288 | 153  | 1726     | 0.539 | ng/ul  | 99       |
| 12) Fluorene                | 15.306 | 166  | 1865     | 0.545 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.676 | 266  | 298      | 0.806 | ng/ul  | 93       |
| 15) Phenanthrene            | 17.043 | 178  | 2720     | 0.503 | ng/ul  | 99       |
| 16) Anthracene              | 17.157 | 178  | 2503     | 0.495 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.071 | 202  | 2744     | 0.624 | ng/ul  | 98       |
| 20) Pyrene                  | 19.438 | 202  | 2872     | 0.635 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.214 | 228  | 1604     | 0.527 | ng/ul  | 100      |
| 22) Chrysene                | 21.252 | 228  | 2590     | 0.553 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.757 | 252  | 2264     | 0.575 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 22.803 | 252  | 2795     | 0.562 | ng/ul  | 93       |
| 26) Benzo(a)pyrene          | 23.330 | 252  | 2288     | 0.560 | ng/ul  | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.625 | 276  | 3355     | 0.565 | ng/ul# | 51       |
| 28) Dibenzo(a,h)anthracene  | 25.666 | 278  | 2518     | 0.535 | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 26.279 | 276  | 3079     | 0.577 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

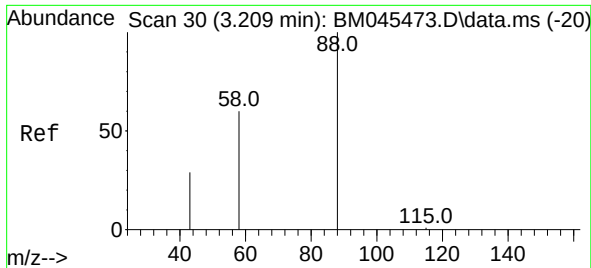
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042224\  
Data File : BM045475.D  
Acq On : 22 Apr 2024 11:59  
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Sample : PB160063BS  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 23 01:47:19 2024  
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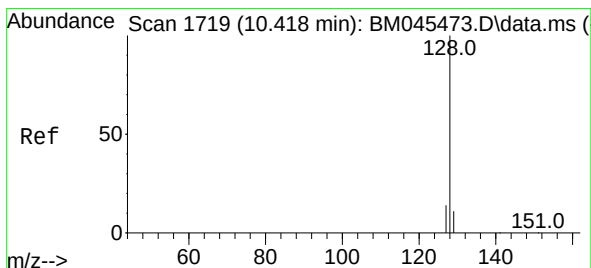
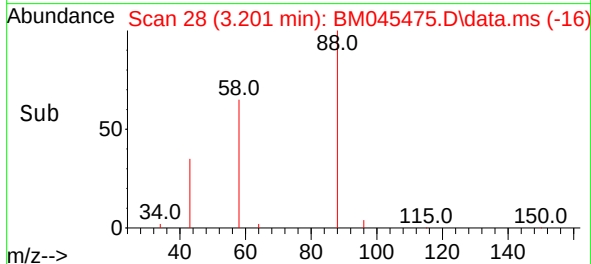
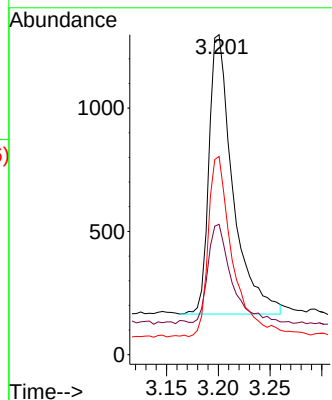
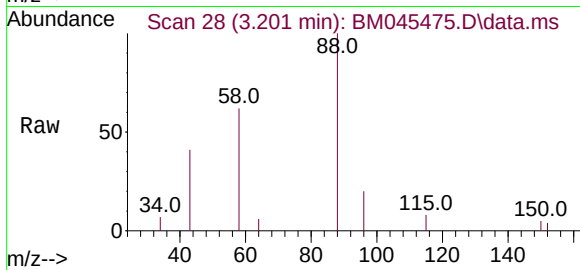




#2  
1,4-Dioxane  
Concen: 2.739 ng/ul  
RT: 3.201 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

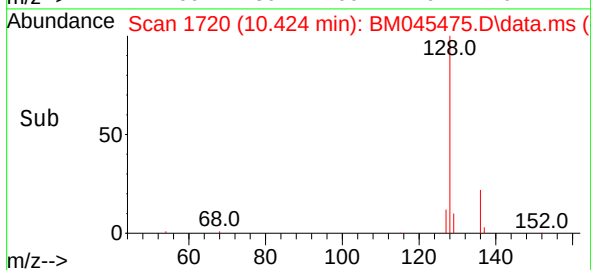
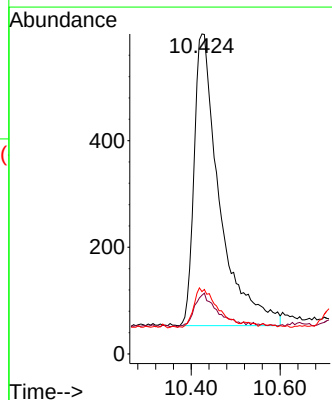
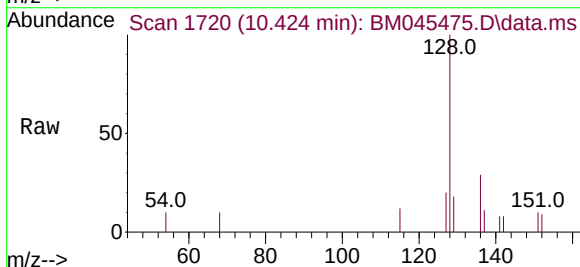
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS063

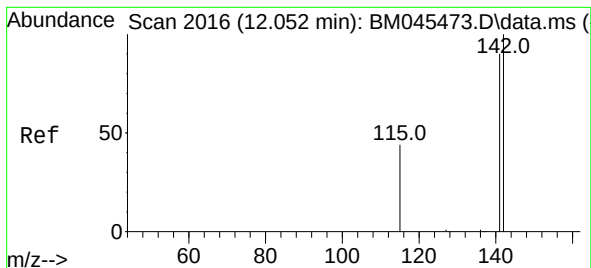
Tgt Ion: 88 Resp: 1819  
Ion Ratio Lower Upper  
88 100  
43 40.8 36.8 55.2  
58 61.9 35.4 53.2#



#5  
Naphthalene  
Concen: 0.496 ng/ul  
RT: 10.424 min Scan# 1720  
Delta R.T. 0.006 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

Tgt Ion:128 Resp: 2165  
Ion Ratio Lower Upper  
128 100  
129 18.3 14.0 21.0  
127 19.5 15.4 23.2





#7

2-Methylnaphthalene

Concen: 0.524 ng/ul

RT: 12.057 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

Instrument :

BNA\_M

ClientSampleId :

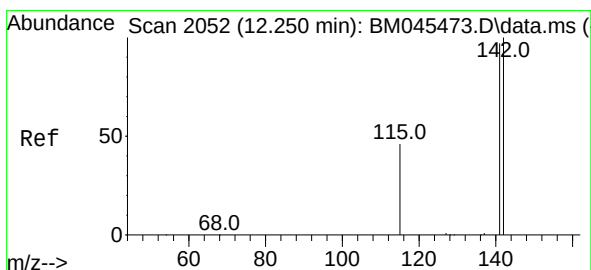
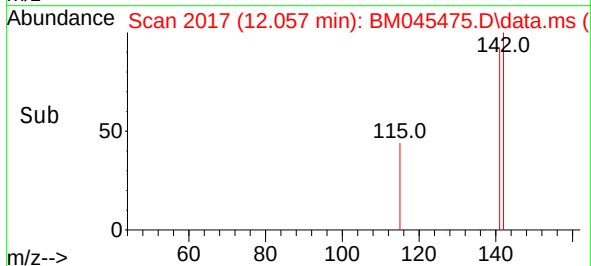
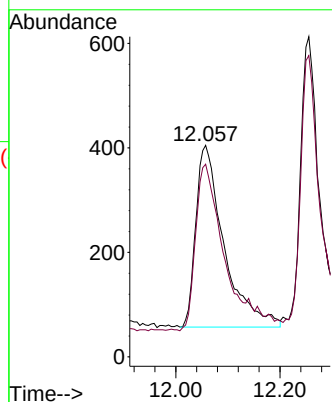
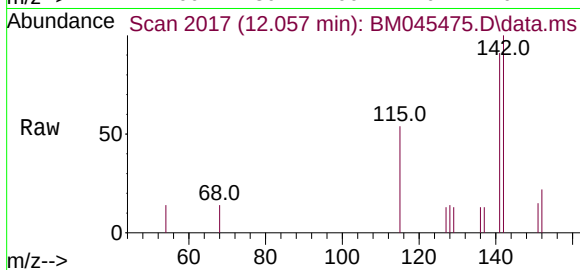
SLCS063

Tgt Ion:142 Resp: 1307

Ion Ratio Lower Upper

142 100

141 96.5 74.6 111.8



#8

1-Methylnaphthalene

Concen: 0.507 ng/ul

RT: 12.255 min Scan# 2053

Delta R.T. 0.006 min

Lab File: BM045475.D

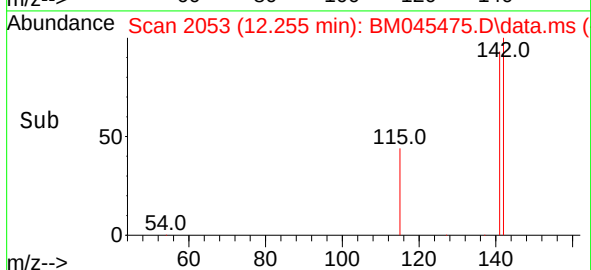
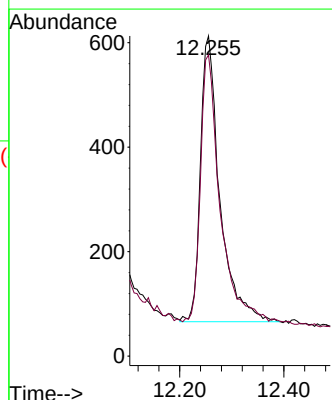
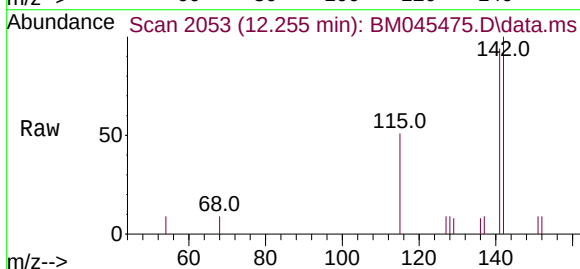
Acq: 22 Apr 2024 11:59

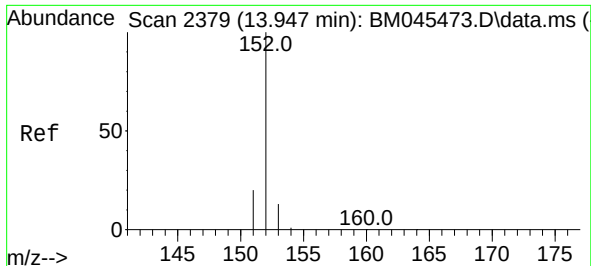
Tgt Ion:142 Resp: 1416

Ion Ratio Lower Upper

142 100

141 94.0 76.1 114.1

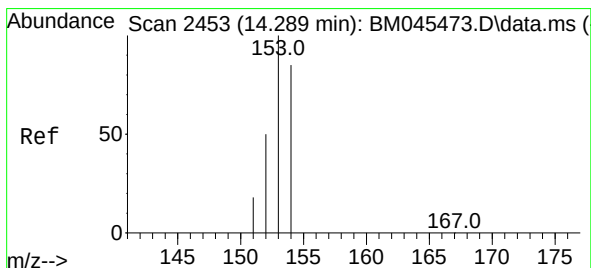
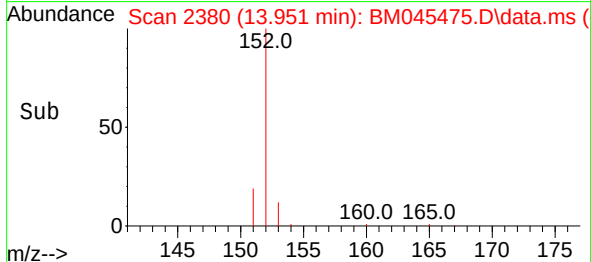
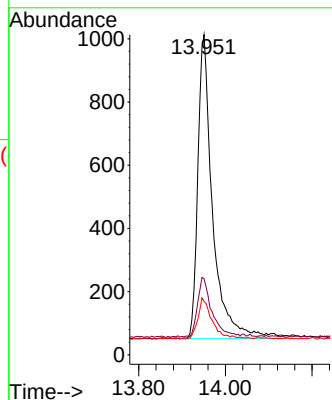
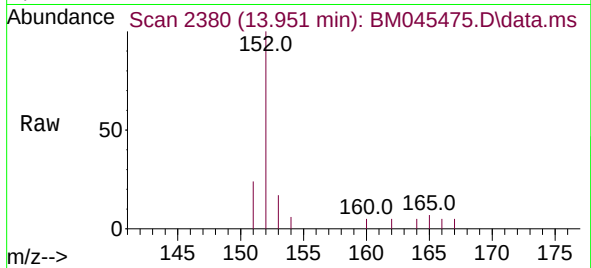




#10  
Acenaphthylene  
Concen: 0.531 ng/ul  
RT: 13.951 min Scan# 24  
Delta R.T. 0.004 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

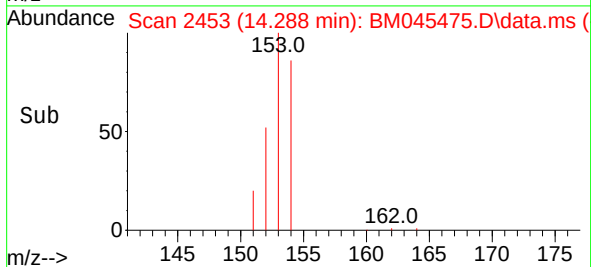
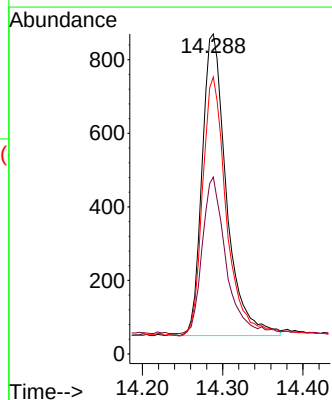
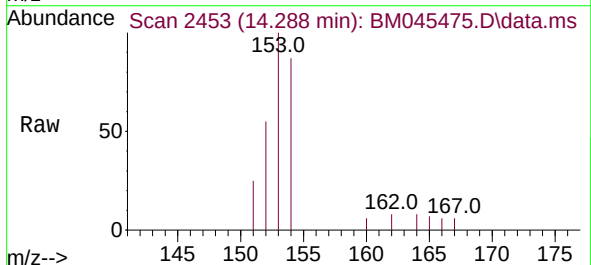
Instrument :  
BNA\_M  
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SLCS063

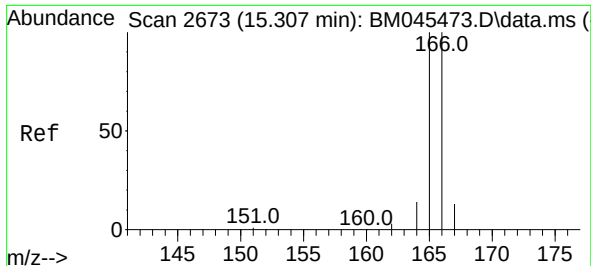
Tgt Ion:152 Resp: 2288  
Ion Ratio Lower Upper  
152 100  
151 23.8 18.6 28.0  
153 16.7 14.1 21.1



#11  
Acenaphthene  
Concen: 0.539 ng/ul  
RT: 14.288 min Scan# 2453  
Delta R.T. -0.001 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

Tgt Ion:153 Resp: 1726  
Ion Ratio Lower Upper  
153 100  
152 55.3 43.4 65.2  
154 86.6 69.0 103.6

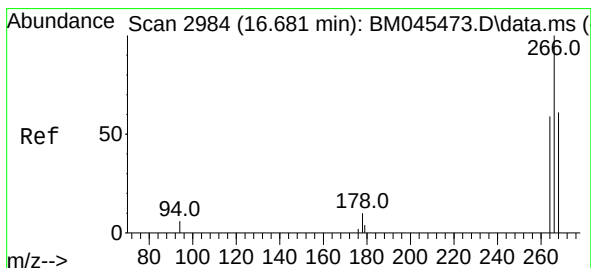
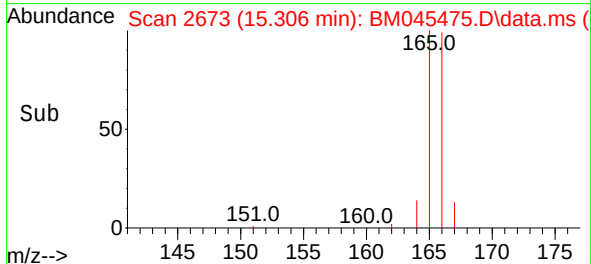
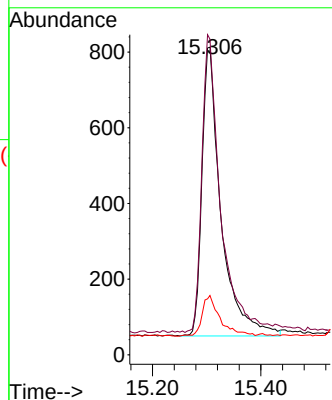
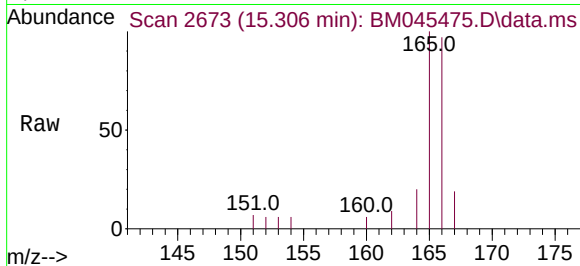




#12  
Fluorene  
Concen: 0.545 ng/ul  
RT: 15.306 min Scan# 2  
Delta R.T. -0.001 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

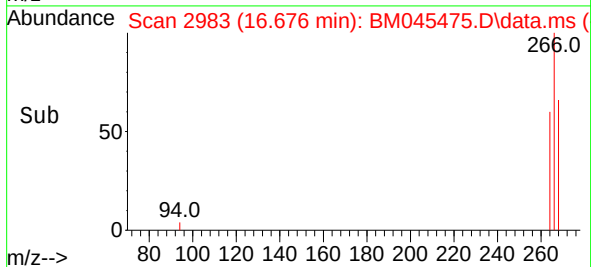
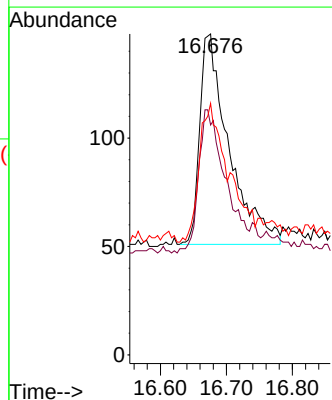
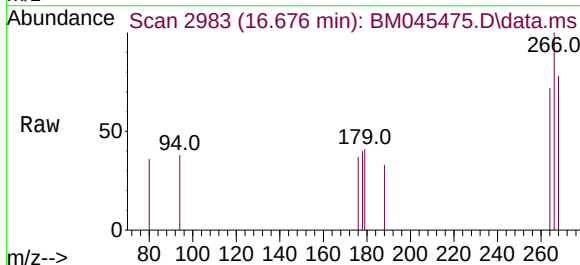
Instrument :  
BNA\_M  
ClientSampleId :  
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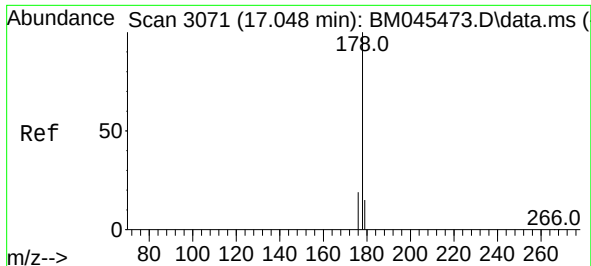
Tgt Ion:166 Resp: 1865  
Ion Ratio Lower Upper  
166 100  
165 102.6 82.2 123.2  
167 19.3 14.8 22.2



#14  
Pentachlorophenol  
Concen: 0.806 ng/ul  
RT: 16.676 min Scan# 2983  
Delta R.T. -0.005 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

Tgt Ion:266 Resp: 298  
Ion Ratio Lower Upper  
266 100  
264 63.4 45.5 68.3  
268 74.5 56.1 84.1





#15

Phenanthrene

Concen: 0.503 ng/ul

RT: 17.043 min Scan# 3071

Delta R.T. -0.005 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

Instrument :

BNA\_M

ClientSampleId :

SLCS063

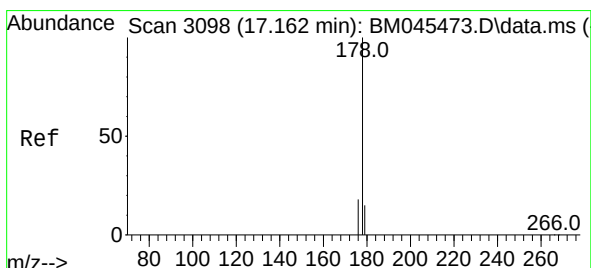
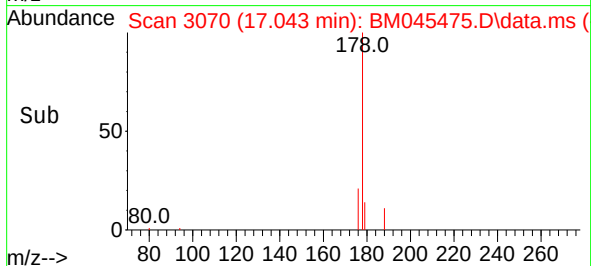
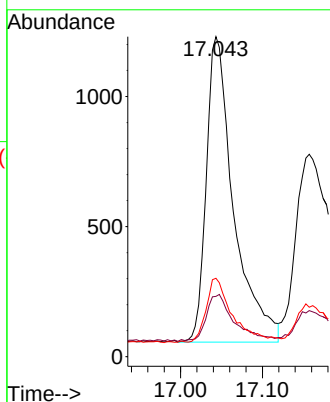
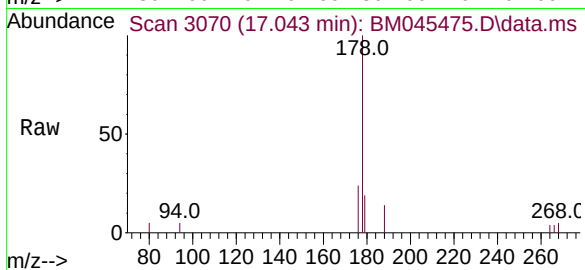
Tgt Ion:178 Resp: 2720

Ion Ratio Lower Upper

178 100

179 18.9 15.4 23.2

176 24.5 19.0 28.4



#16

Anthracene

Concen: 0.495 ng/ul

RT: 17.157 min Scan# 3097

Delta R.T. -0.005 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

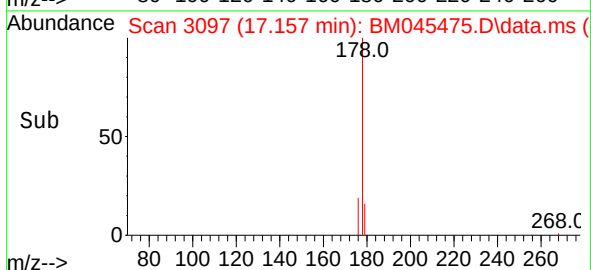
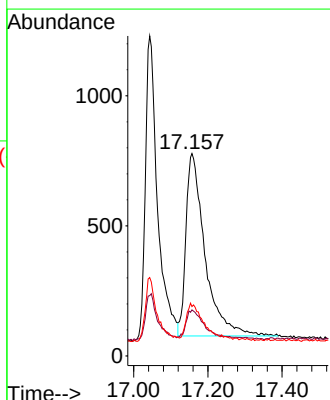
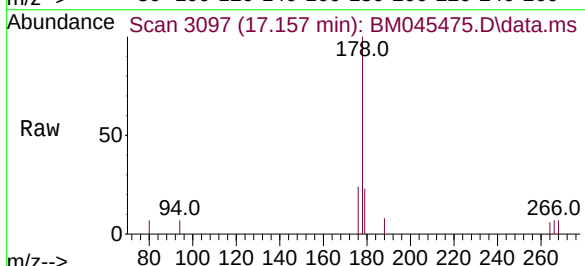
Tgt Ion:178 Resp: 2503

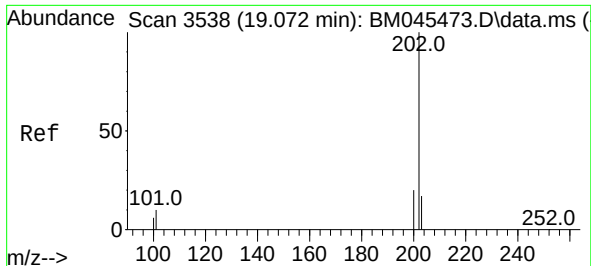
Ion Ratio Lower Upper

178 100

179 22.8 17.8 26.6

176 24.4 18.7 28.1





#19

Fluoranthene

Concen: 0.624 ng/ul

RT: 19.071 min Scan# 3538

Delta R.T. -0.001 min

Lab File: BM045475.D

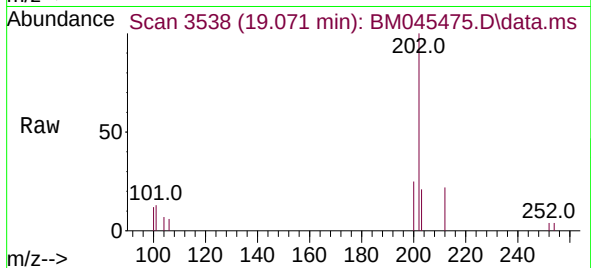
Acq: 22 Apr 2024 11:59

Instrument :

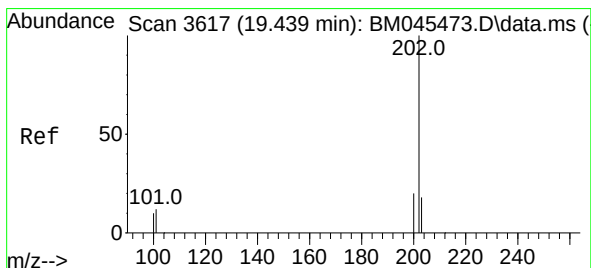
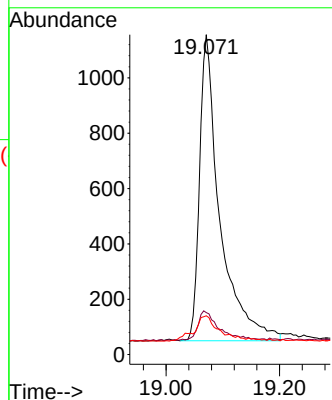
BNA\_M

ClientSampleId :

SLCS063



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 2744  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 13.1  | 11.2  | 16.8  |
| 100      | 12.1  | 9.1   | 13.7  |



#20

Pyrene

Concen: 0.635 ng/ul

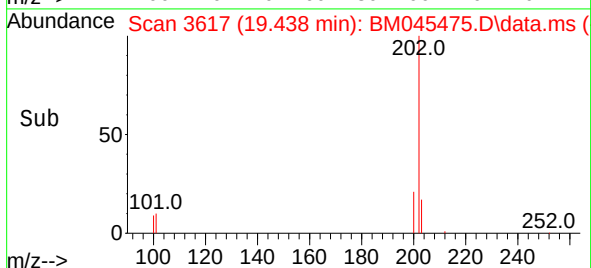
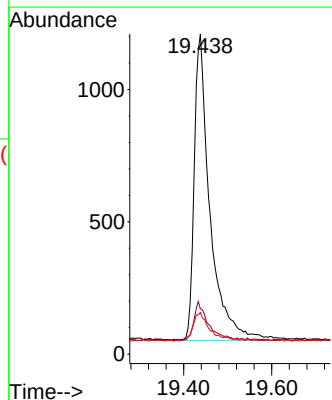
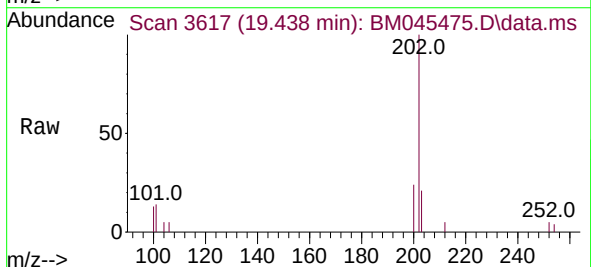
RT: 19.438 min Scan# 3617

Delta R.T. -0.001 min

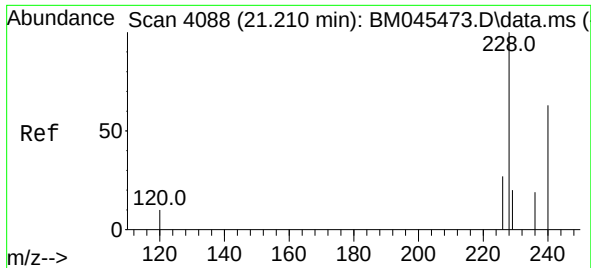
Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 2872  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 14.1  | 11.5  | 17.3  |
| 100      | 13.0  | 10.6  | 15.8  |

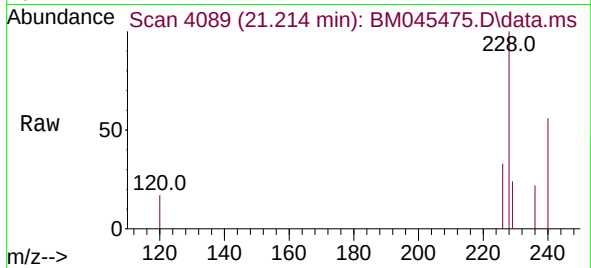




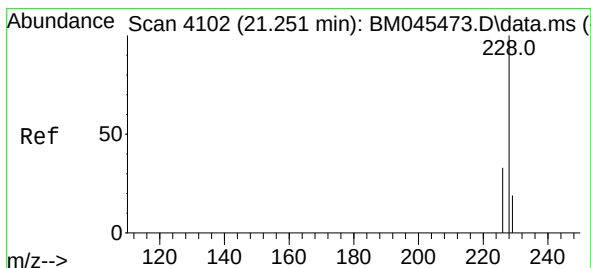
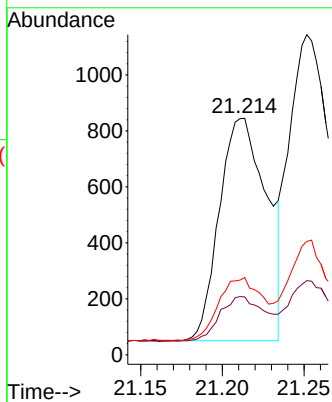
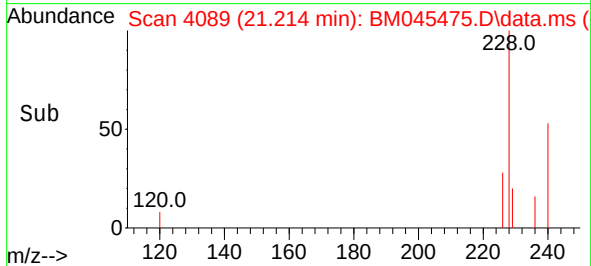


#21  
Benzo(a)anthracene  
Concen: 0.527 ng/ul  
RT: 21.214 min Scan# 4089  
Delta R.T. 0.004 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS063

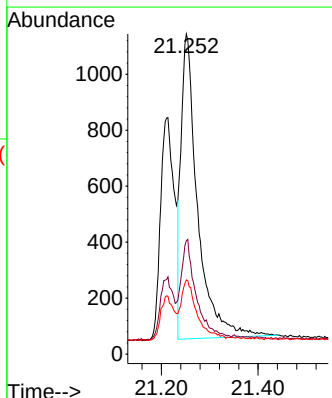
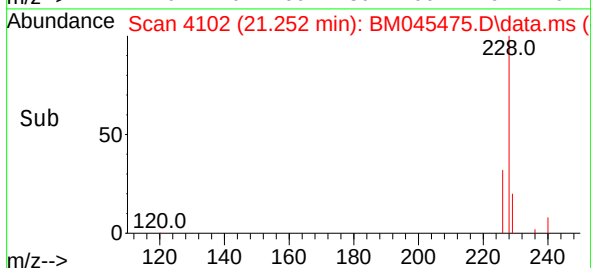
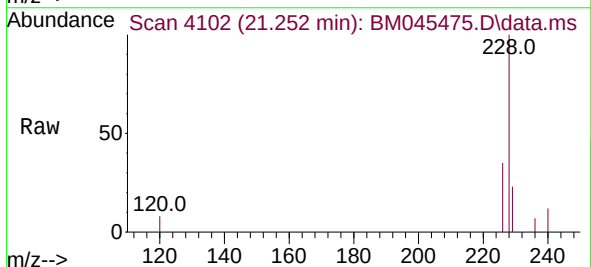


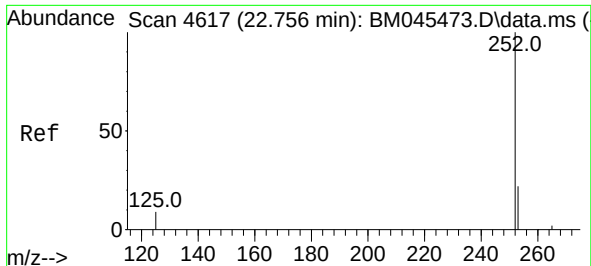
Tgt Ion:228 Resp: 1604  
Ion Ratio Lower Upper  
228 100  
229 24.5 19.4 29.2  
226 32.7 26.3 39.5



#22  
Chrysene  
Concen: 0.553 ng/ul  
RT: 21.252 min Scan# 4102  
Delta R.T. 0.001 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

Tgt Ion:228 Resp: 2590  
Ion Ratio Lower Upper  
228 100  
226 35.4 26.3 39.5  
229 23.2 17.8 26.8

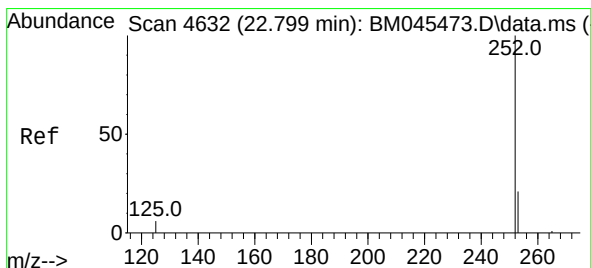
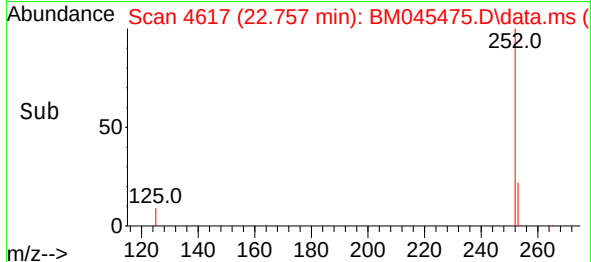
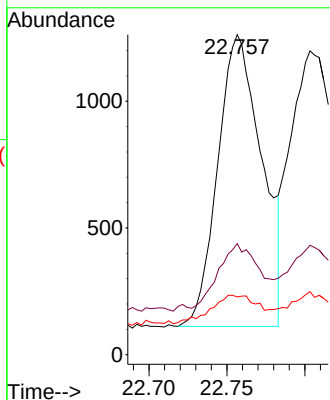
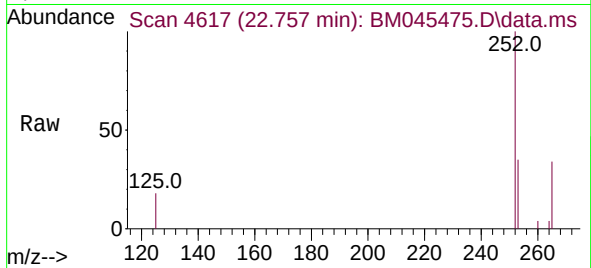




#24  
Benzo(b)fluoranthene  
Concen: 0.575 ng/ul  
RT: 22.757 min Scan# 4617  
Delta R.T. 0.001 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

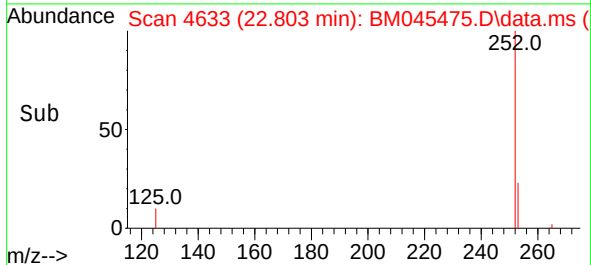
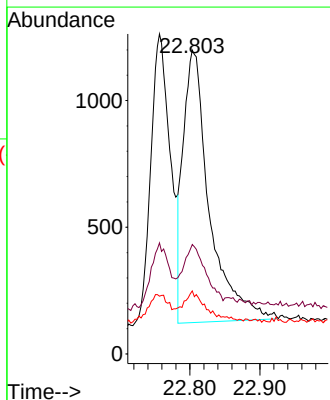
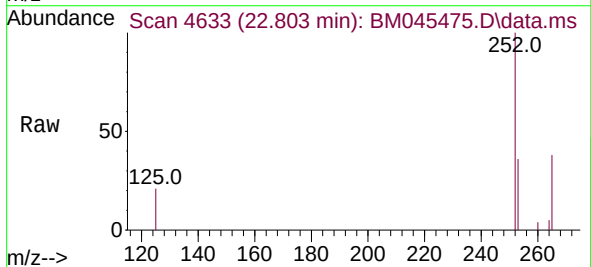
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS063

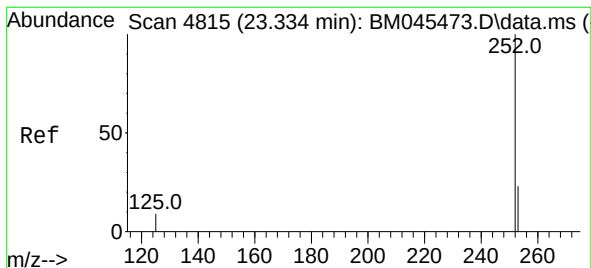
Tgt Ion:252 Resp: 2264  
Ion Ratio Lower Upper  
252 100  
253 34.7 0.0 63.4  
125 18.1 0.0 36.8



#25  
Benzo(k)fluoranthene  
Concen: 0.562 ng/ul  
RT: 22.803 min Scan# 4633  
Delta R.T. 0.004 min  
Lab File: BM045475.D  
Acq: 22 Apr 2024 11:59

Tgt Ion:252 Resp: 2795  
Ion Ratio Lower Upper  
252 100  
253 36.0 25.4 38.0  
125 20.8 14.8 22.2





#26

Benzo(a)pyrene

Concen: 0.560 ng/ul

RT: 23.330 min Scan# 4815

Delta R.T. -0.005 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

Instrument :

BNA\_M

ClientSampleId :

SLCS063

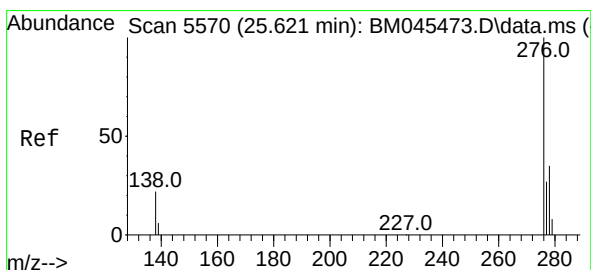
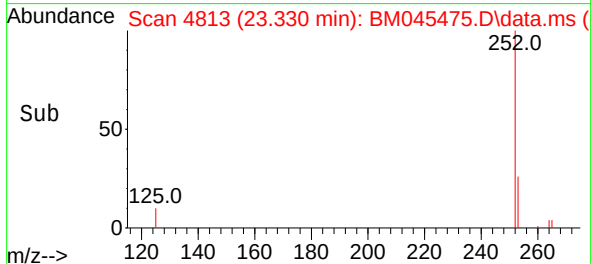
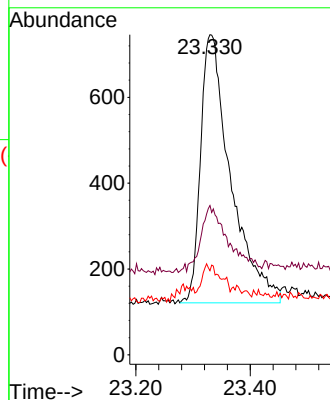
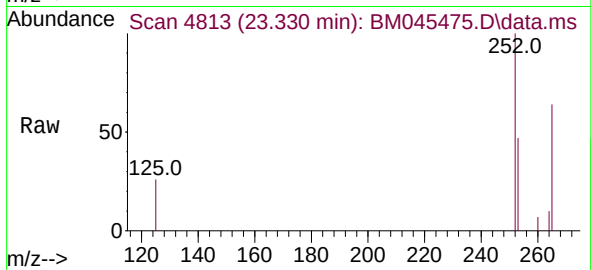
Tgt Ion:252 Resp: 2288

Ion Ratio Lower Upper

252 100

253 46.6 31.6 47.4

125 26.3 19.5 29.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.565 ng/ul

RT: 25.625 min Scan# 5571

Delta R.T. 0.004 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

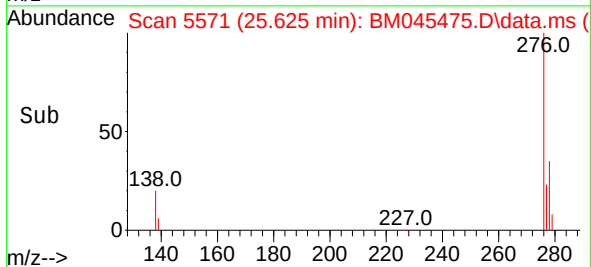
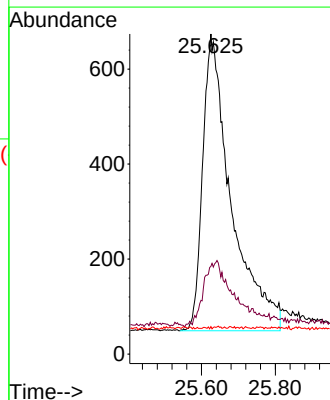
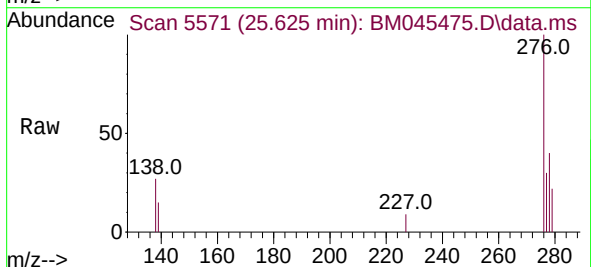
Tgt Ion:276 Resp: 3355

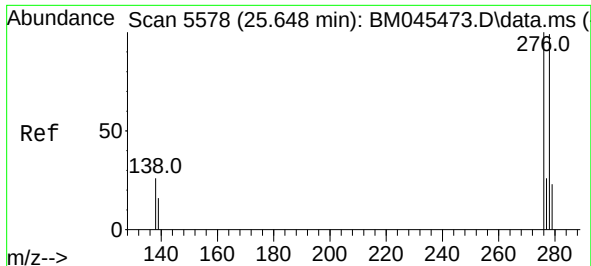
Ion Ratio Lower Upper

276 100

138 0.0 19.8 29.6#

227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.535 ng/ul

RT: 25.666 min Scan# 5583

Delta R.T. 0.018 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

Instrument :

BNA\_M

ClientSampleId :

SLCS063

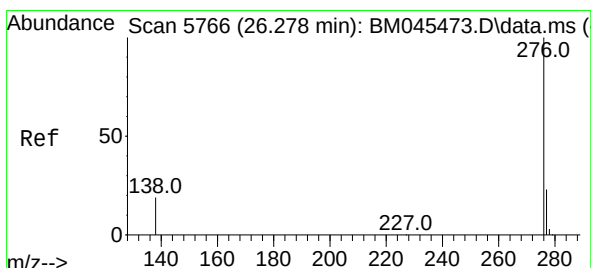
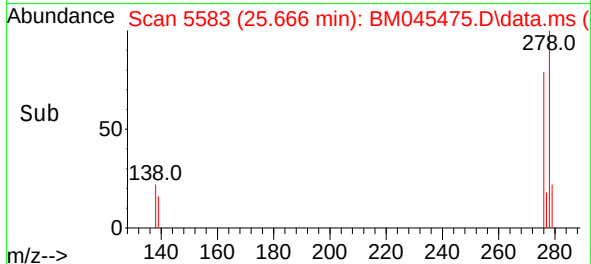
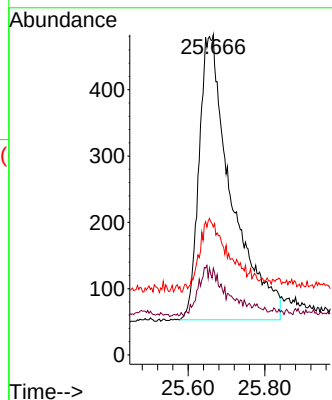
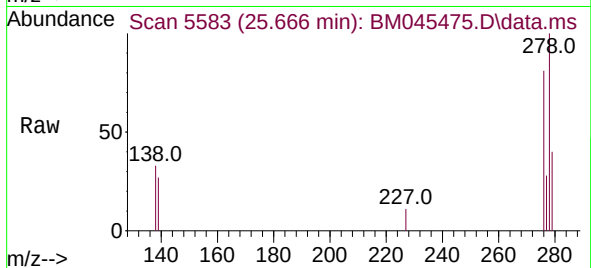
Tgt Ion:278 Resp: 2518

Ion Ratio Lower Upper

278 100

139 27.1 19.0 28.6

279 40.0 29.4 44.2



#29

Benzo(g,h,i)perylene

Concen: 0.577 ng/ul

RT: 26.279 min Scan# 5766

Delta R.T. 0.001 min

Lab File: BM045475.D

Acq: 22 Apr 2024 11:59

Tgt Ion:276 Resp: 3079

Ion Ratio Lower Upper

276 100

138 29.7 20.8 31.2

277 29.1 21.8 32.8

