

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052523\  
 Data File : BM040049.D  
 Acq On : 26 May 2023 22:40  
 Operator : CG/JU  
 Sample : PB153065BS  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS065

Quant Time: May 27 00:12:50 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 15:01:16 2023  
 Response via : Initial Calibration

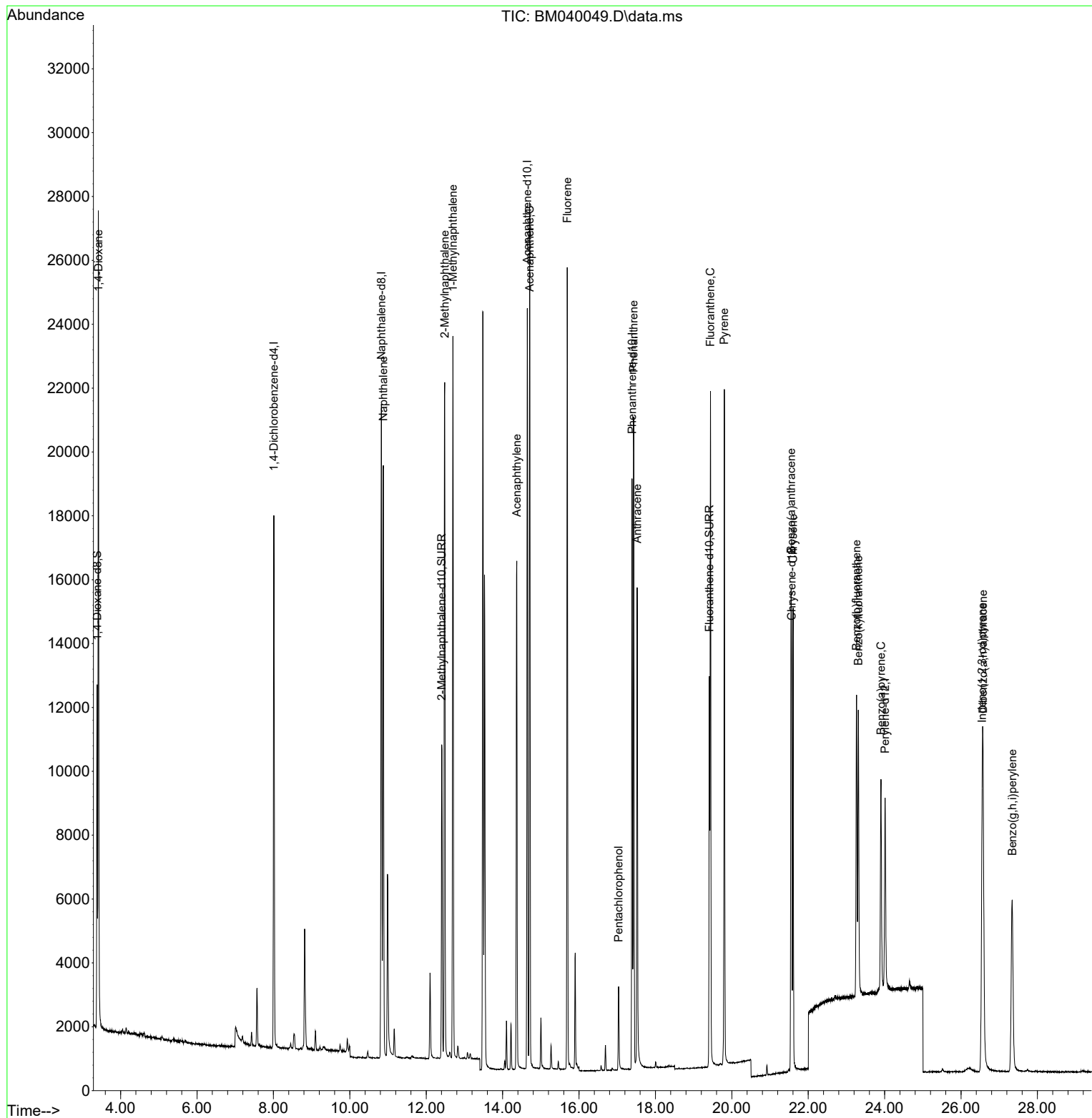
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.012  | 152  | 8307     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.828 | 136  | 27708    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.647 | 164  | 12570    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.387 | 188  | 20855    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.564 | 240  | 8808     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.011 | 264  | 8561     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.384  | 96   | 6719     | 0.695 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.406 | 152  | 12940    | 0.382 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.412 | 212  | 12071    | 0.455 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.418  | 88   | 16661    | 1.637 | ng/ul  | 91       |
| 5) Naphthalene              | 10.877 | 128  | 25293    | 0.374 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.483 | 142  | 15017    | 0.368 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.697 | 142  | 15229    | 0.359 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.369 | 152  | 18064    | 0.361 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.707 | 153  | 15218    | 0.373 | ng/ul  | 99       |
| 12) Fluorene                | 15.692 | 166  | 15115    | 0.356 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.037 | 266  | 1833     | 0.434 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.429 | 178  | 21121    | 0.358 | ng/ul  | 99       |
| 16) Anthracene              | 17.522 | 178  | 16915    | 0.341 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.440 | 202  | 17110    | 0.432 | ng/ul  | 100      |
| 20) Pyrene                  | 19.803 | 202  | 16905    | 0.421 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.550 | 228  | 11398    | 0.384 | ng/ul  | 99       |
| 22) Chrysene                | 21.602 | 228  | 12298    | 0.390 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.266 | 252  | 12439    | 0.366 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.312 | 252  | 11946    | 0.349 | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.903 | 252  | 10550    | 0.371 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.555 | 276  | 15067    | 0.368 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.578 | 278  | 11947    | 0.361 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 27.339 | 276  | 12477    | 0.372 | ng/ul  | 100      |

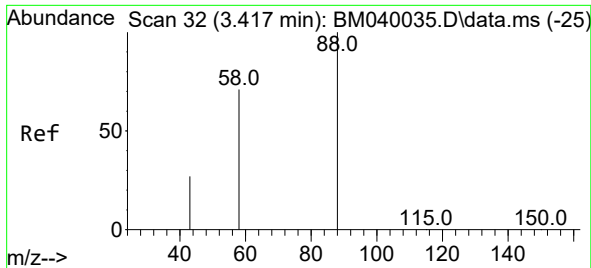
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052523\  
Data File : BM040049.D  
Acq On : 26 May 2023 22:40  
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Sample : PB153065BS  
Misc :  
ALS Vial : 55 Sample Multiplier: 1

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Quant Time: May 27 00:12:50 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 25 15:01:16 2023  
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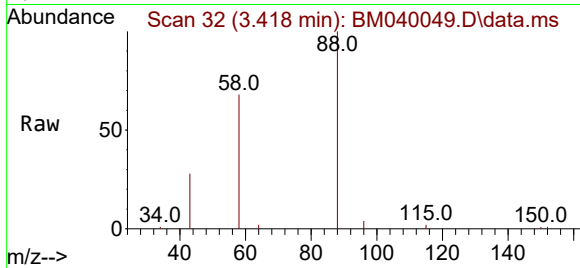




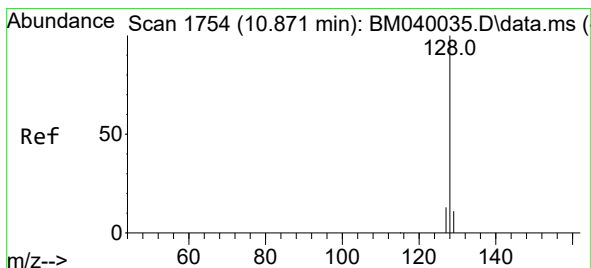
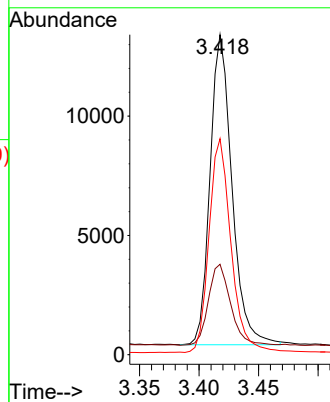
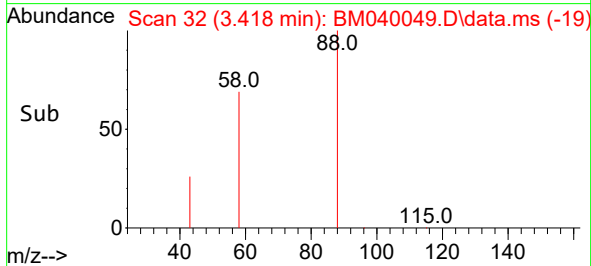
#2  
1,4-Dioxane

Concen: 1.637 ng/ul  
RT: 3.418 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS065

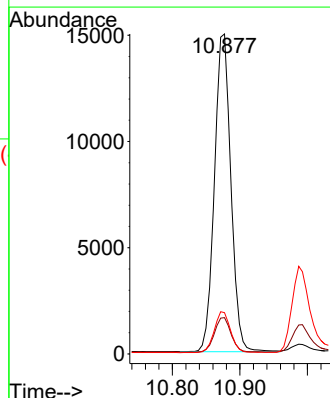
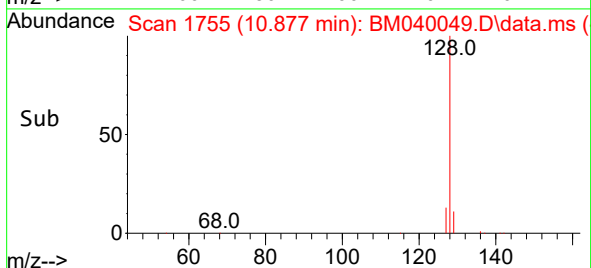
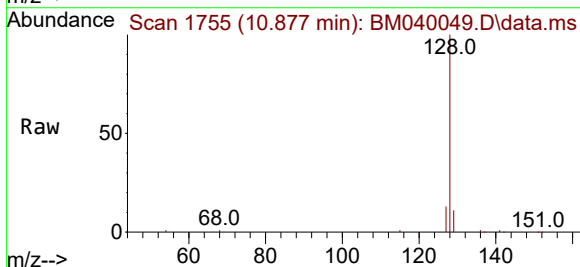


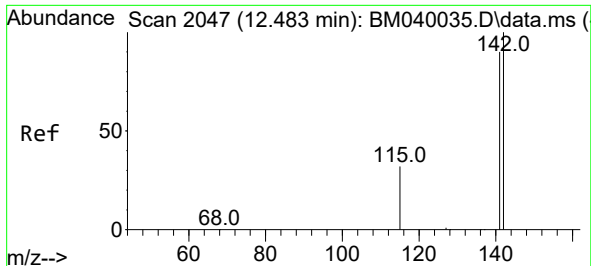
Tgt Ion: 88 Resp: 16661  
Ion Ratio Lower Upper  
88 100  
43 28.2 25.9 38.9  
58 67.5 48.5 72.7



#5  
Naphthalene  
Concen: 0.374 ng/ul  
RT: 10.877 min Scan# 1755  
Delta R.T. 0.000 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Tgt Ion: 128 Resp: 25293  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.6  
127 12.9 10.5 15.7

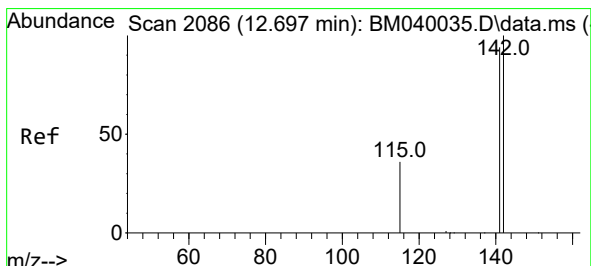
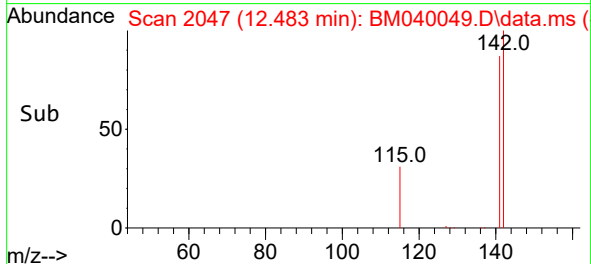
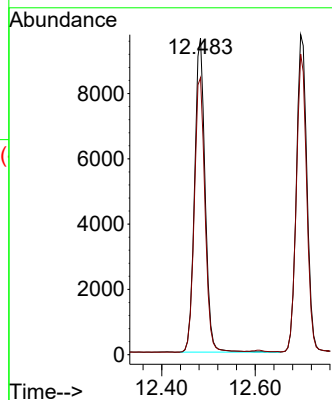
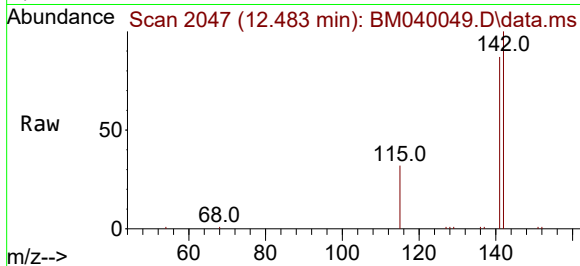




#7  
2-Methylnaphthalene  
Concen: 0.368 ng/ul  
RT: 12.483 min Scan# 2047  
Delta R.T. 0.000 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

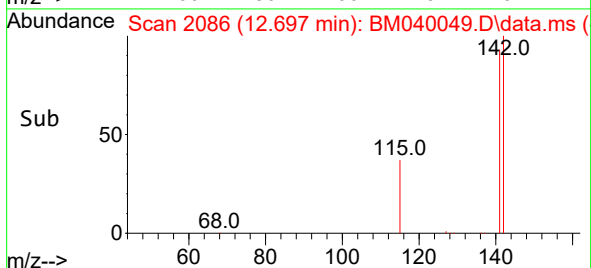
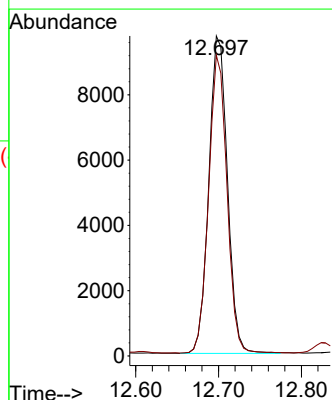
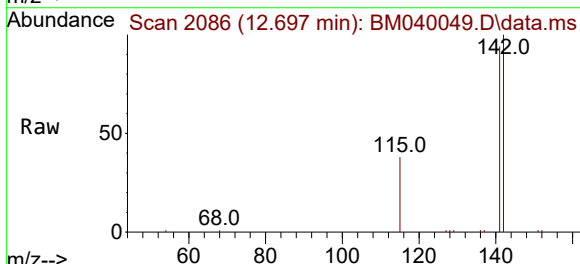
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS065

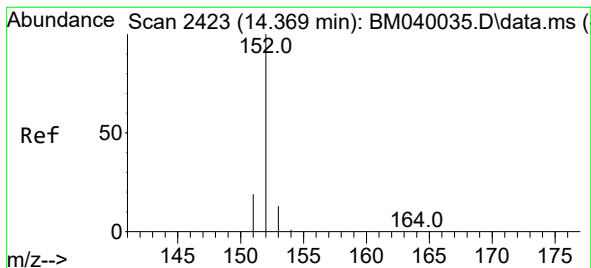
Tgt Ion:142 Resp: 15017  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.3 106.9



#8  
1-Methylnaphthalene  
Concen: 0.359 ng/ul  
RT: 12.697 min Scan# 2086  
Delta R.T. -0.005 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Tgt Ion:142 Resp: 15229  
Ion Ratio Lower Upper  
142 100  
141 92.5 73.8 110.6





#10

Acenaphthylene

Concen: 0.361 ng/ul

RT: 14.369 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

Instrument :

BNA\_M

ClientSampleId :

SLCS065

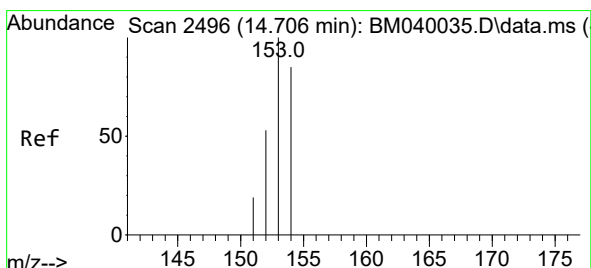
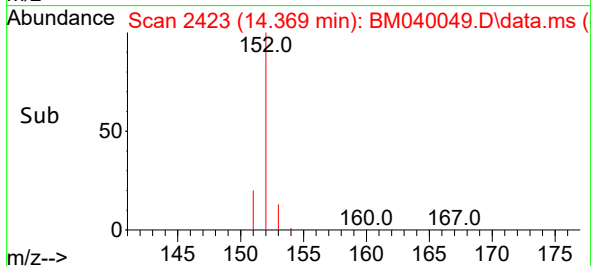
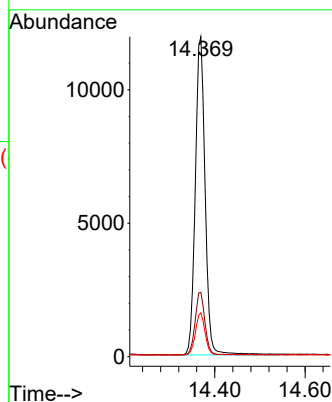
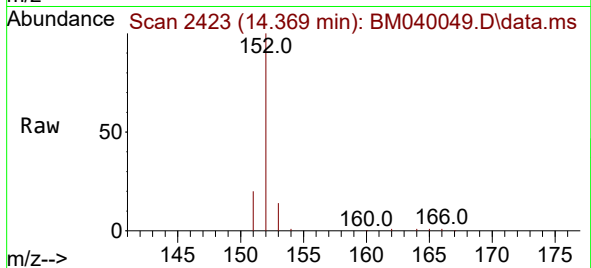
Tgt Ion:152 Resp: 18064

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.7 10.6 16.0



#11

Acenaphthene

Concen: 0.373 ng/ul

RT: 14.707 min Scan# 2496

Delta R.T. -0.005 min

Lab File: BM040049.D

Acq: 26 May 2023 22:40

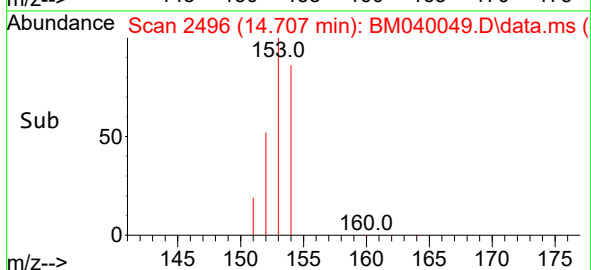
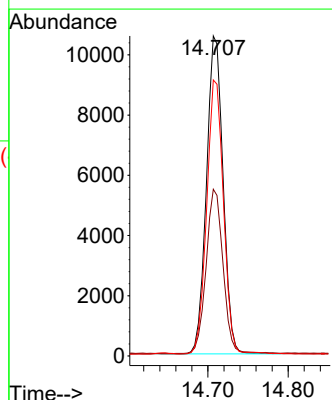
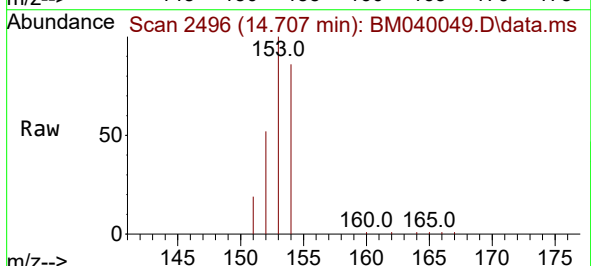
Tgt Ion:153 Resp: 15218

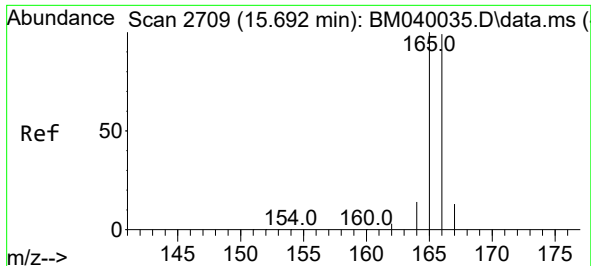
Ion Ratio Lower Upper

153 100

152 52.1 42.0 63.0

154 86.3 69.4 104.2

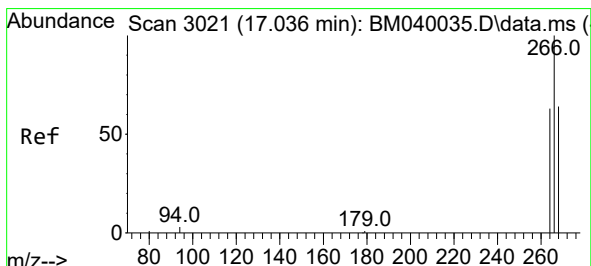
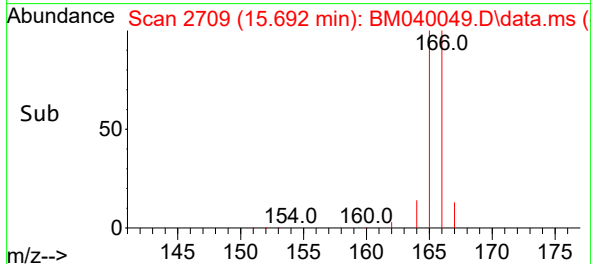
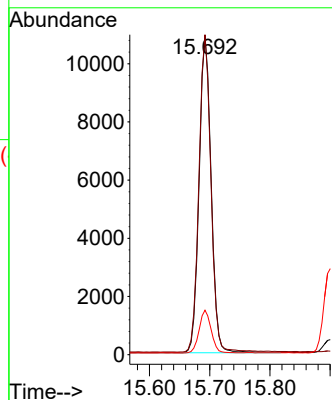
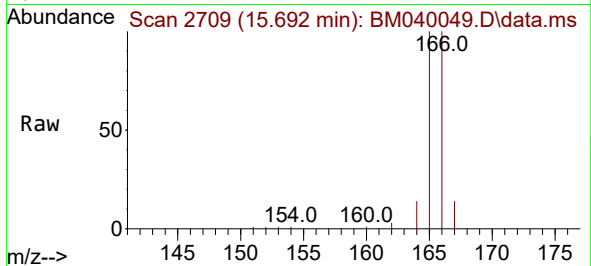




#12  
 Fluorene  
 Concen: 0.356 ng/ul  
 RT: 15.692 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BM040049.D  
 Acq: 26 May 2023 22:40

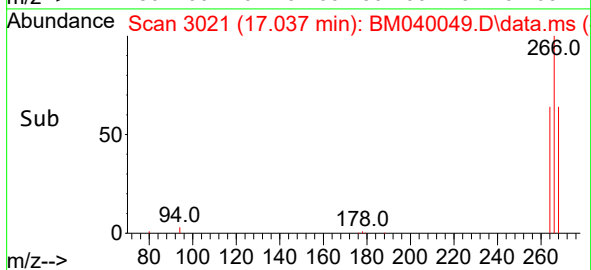
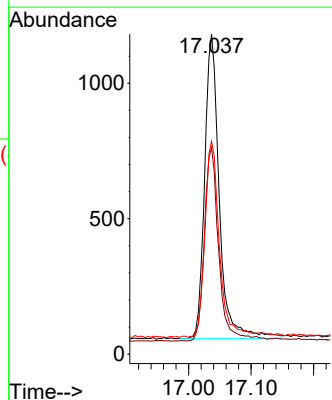
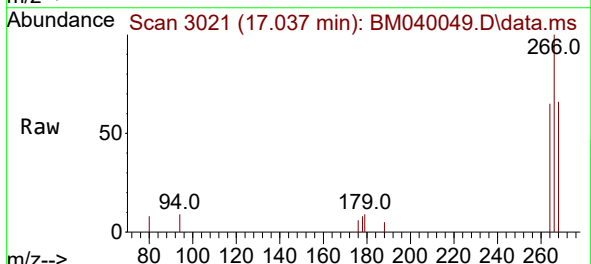
Instrument :  
 BNA\_M  
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 SLCS065

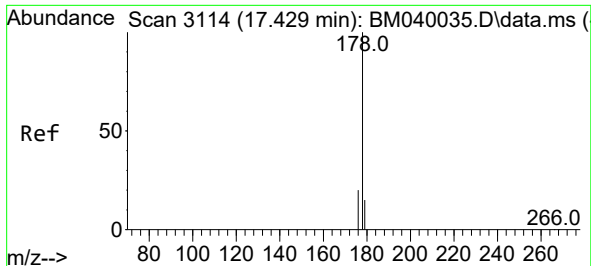
Tgt Ion:166 Resp: 15115  
 Ion Ratio Lower Upper  
 166 100  
 165 100.3 79.3 118.9  
 167 13.9 10.8 16.2



#14  
 Pentachlorophenol  
 Concen: 0.434 ng/ul  
 RT: 17.037 min Scan# 3021  
 Delta R.T. -0.004 min  
 Lab File: BM040049.D  
 Acq: 26 May 2023 22:40

Tgt Ion:266 Resp: 1833  
 Ion Ratio Lower Upper  
 266 100  
 264 62.1 49.2 73.8  
 268 65.1 51.9 77.9

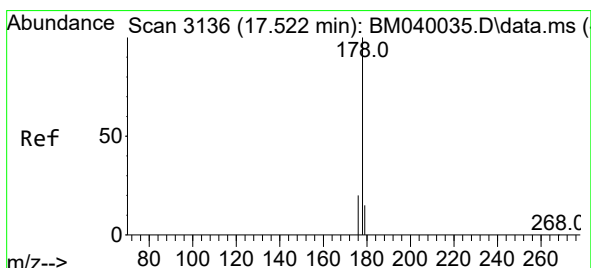
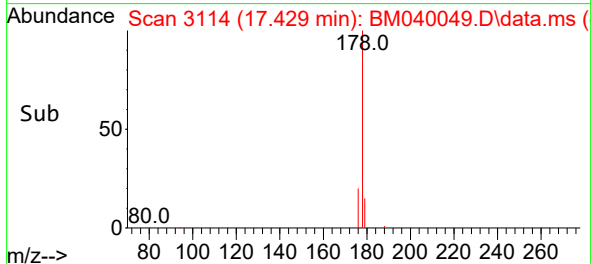
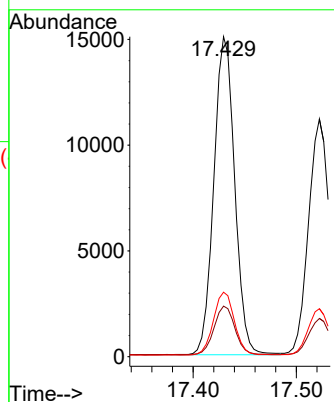
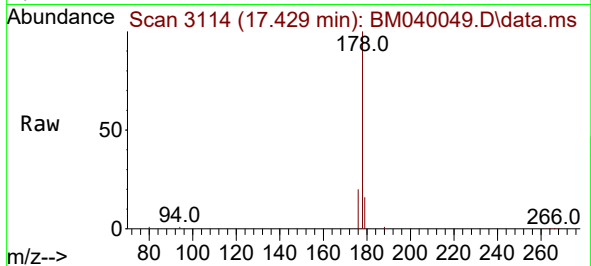




#15  
Phenanthrene  
Concen: 0.358 ng/ul  
RT: 17.429 min Scan# 3114  
Delta R.T. -0.004 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

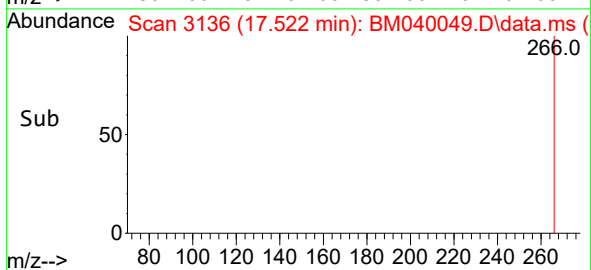
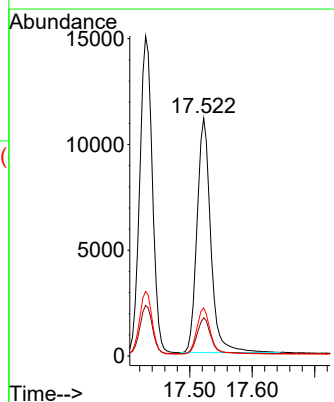
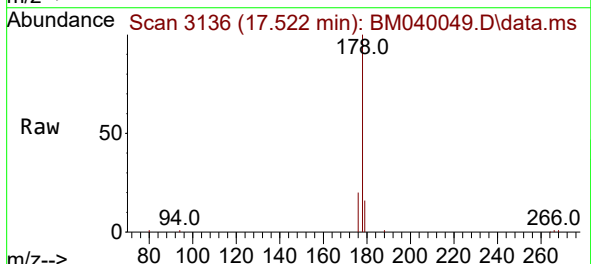
Instrument :  
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ClientSampleId :  
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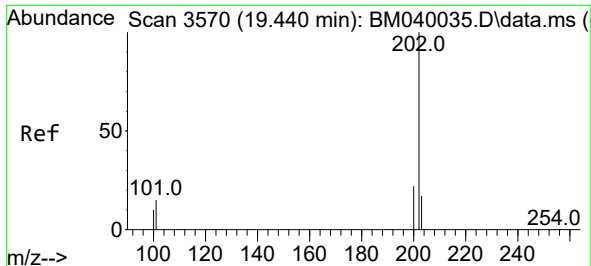
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 21121     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.8  | 12.4 18.6 |
| 176         | 20.2  | 16.3 24.5 |



#16  
Anthracene  
Concen: 0.341 ng/ul  
RT: 17.522 min Scan# 3136  
Delta R.T. -0.004 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 16915     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 16.1  | 12.6 19.0 |
| 176         | 20.2  | 15.5 23.3 |

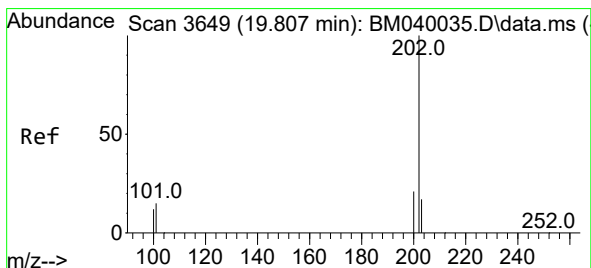
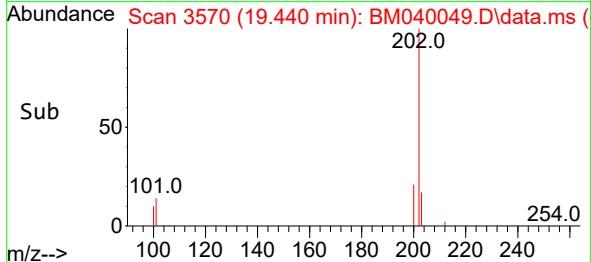
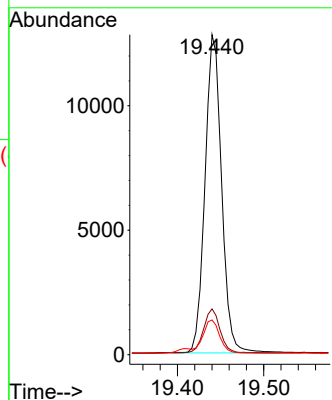
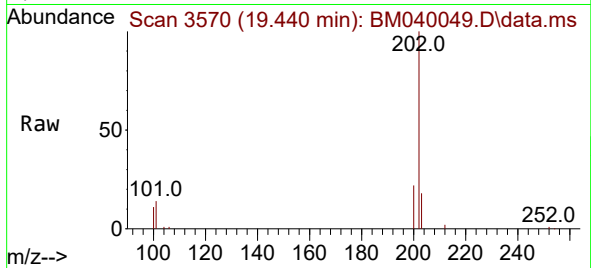




#19  
Fluoranthene  
Concen: 0.432 ng/ul  
RT: 19.440 min Scan# 3570  
Delta R.T. -0.005 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

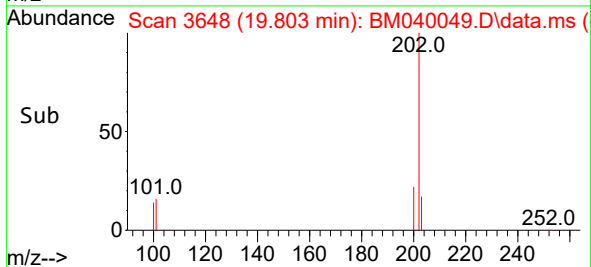
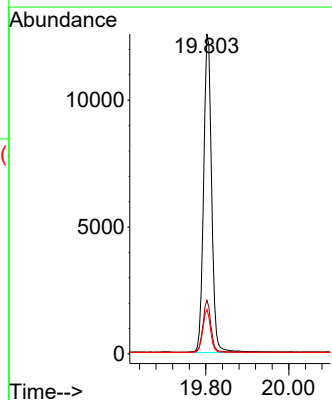
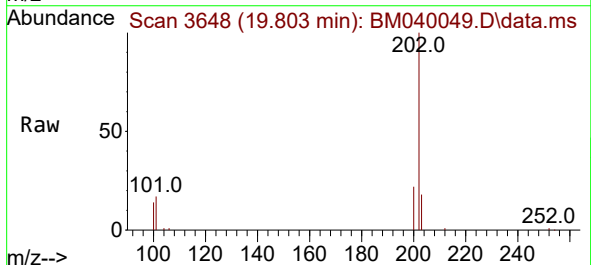
Instrument :  
BNA\_M  
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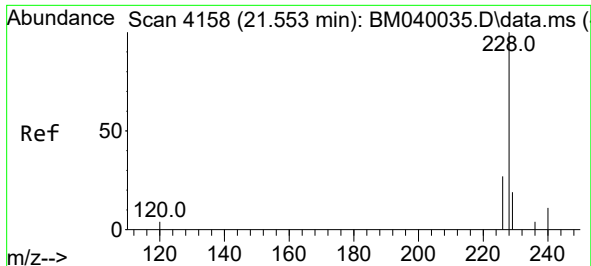
Tgt Ion:202 Resp: 17110  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.5 17.3  
100 10.9 8.5 12.7



#20  
Pyrene  
Concen: 0.421 ng/ul  
RT: 19.803 min Scan# 3648  
Delta R.T. -0.005 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Tgt Ion:202 Resp: 16905  
Ion Ratio Lower Upper  
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100 13.9 10.9 16.3

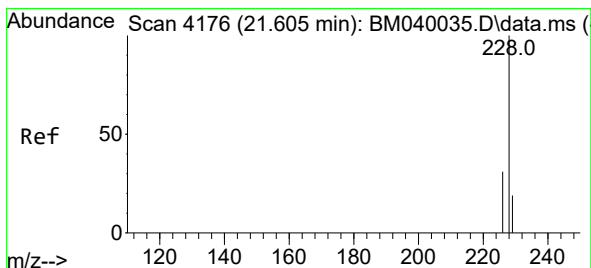
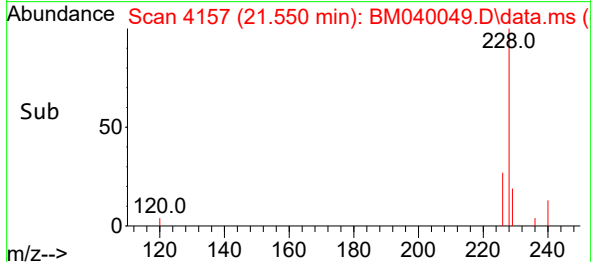
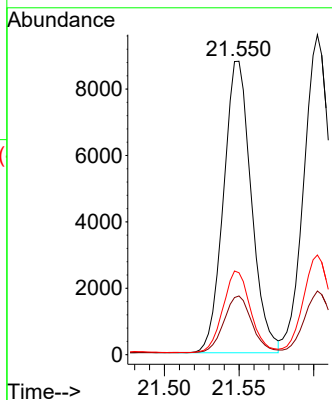
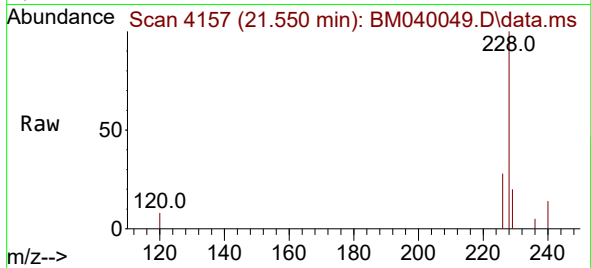




#21  
Benzo(a)anthracene  
Concen: 0.384 ng/ul  
RT: 21.550 min Scan# 4158  
Delta R.T. -0.006 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

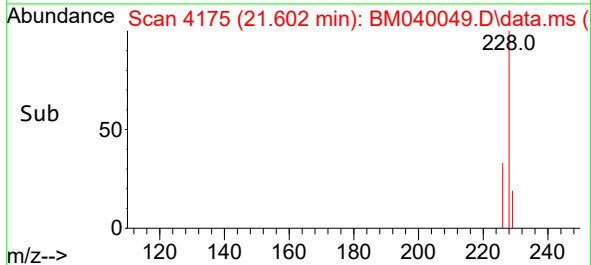
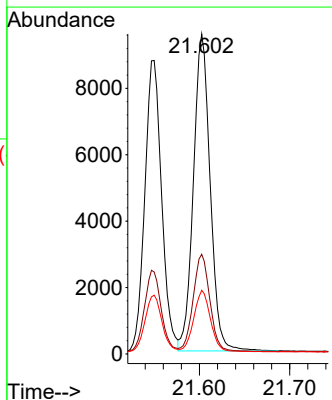
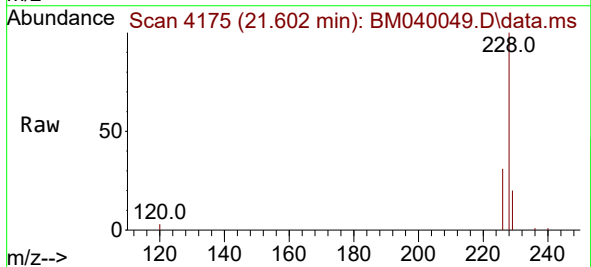
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS065

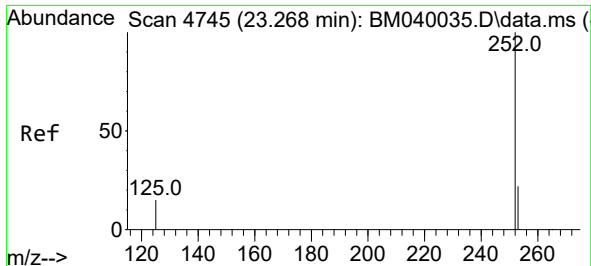
Tgt Ion:228 Resp: 11398  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.6 23.4  
226 27.9 22.5 33.7



#22  
Chrysene  
Concen: 0.390 ng/ul  
RT: 21.602 min Scan# 4175  
Delta R.T. -0.009 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Tgt Ion:228 Resp: 12298  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 36.8  
229 19.9 15.6 23.4

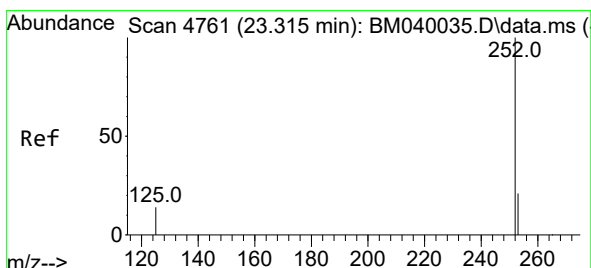
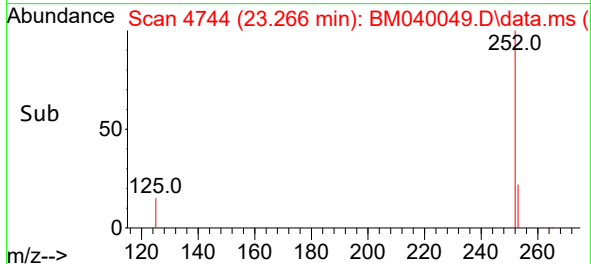
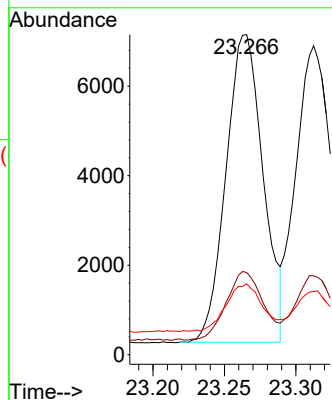
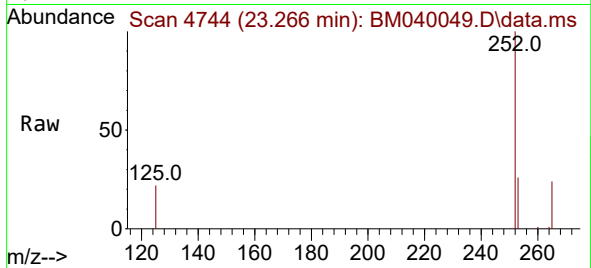




#24  
Benzo(b)fluoranthene  
Concen: 0.366 ng/ul  
RT: 23.266 min Scan# 4745  
Delta R.T. -0.009 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

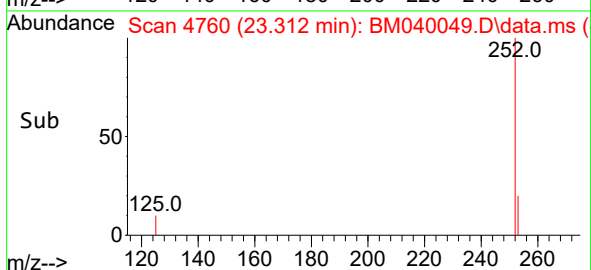
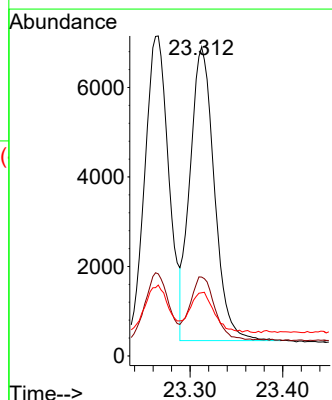
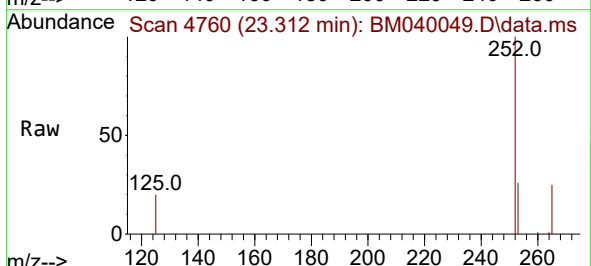
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS065

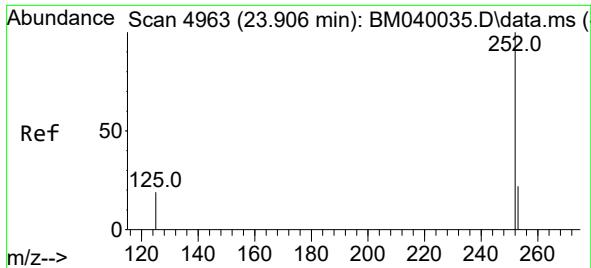
Tgt Ion:252 Resp: 12439  
Ion Ratio Lower Upper  
252 100  
253 25.6 0.0 49.8  
125 22.2 0.0 39.2



#25  
Benzo(k)fluoranthene  
Concen: 0.349 ng/ul  
RT: 23.312 min Scan# 4760  
Delta R.T. -0.012 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Tgt Ion:252 Resp: 11946  
Ion Ratio Lower Upper  
252 100  
253 25.5 19.7 29.5  
125 20.5 15.0 22.4

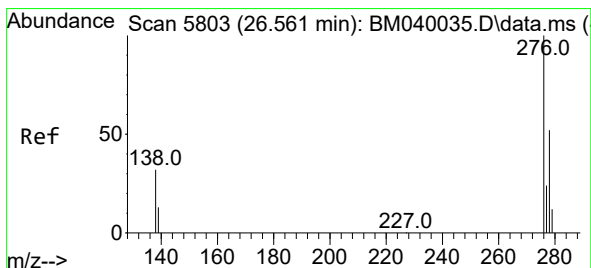
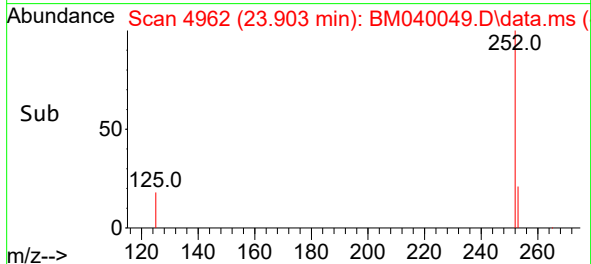
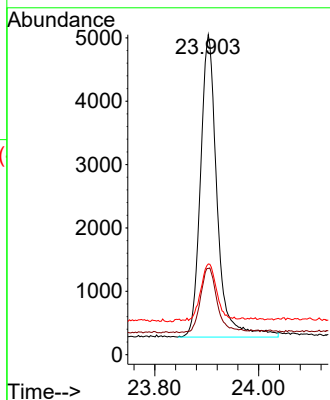
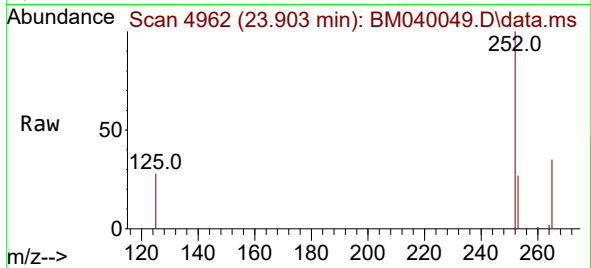




#26  
Benzo(a)pyrene  
Concen: 0.371 ng/ul  
RT: 23.903 min Scan# 4962  
Delta R.T. -0.012 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

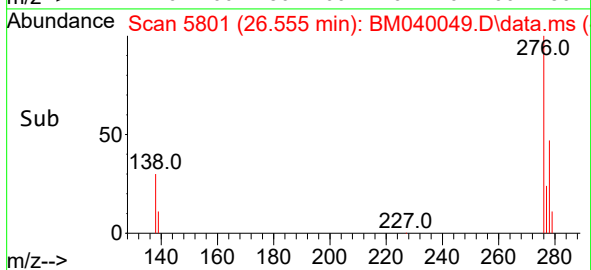
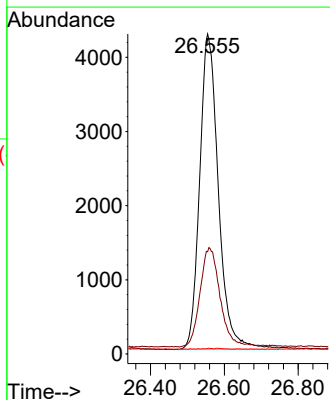
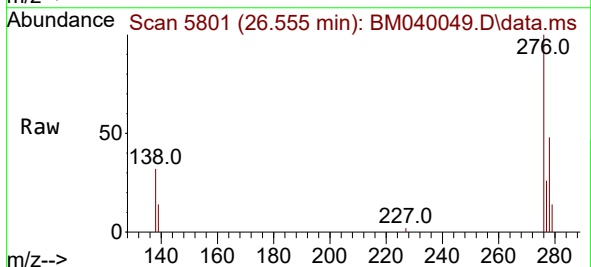
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS065

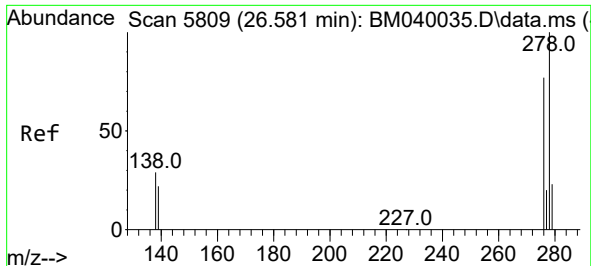
Tgt Ion:252 Resp: 10550  
Ion Ratio Lower Upper  
252 100  
253 26.9 20.6 31.0  
125 28.4 19.1 28.7



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.368 ng/ul  
RT: 26.555 min Scan# 5801  
Delta R.T. -0.017 min  
Lab File: BM040049.D  
Acq: 26 May 2023 22:40

Tgt Ion:276 Resp: 15067  
Ion Ratio Lower Upper  
276 100  
138 33.8 26.9 40.3  
227 0.1 0.1 0.1#

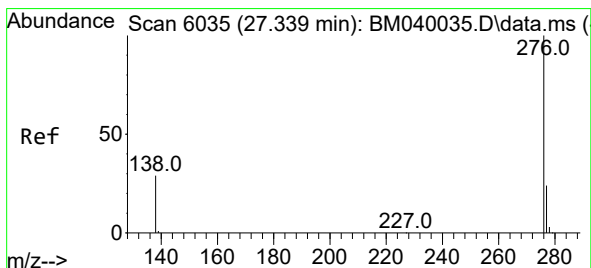
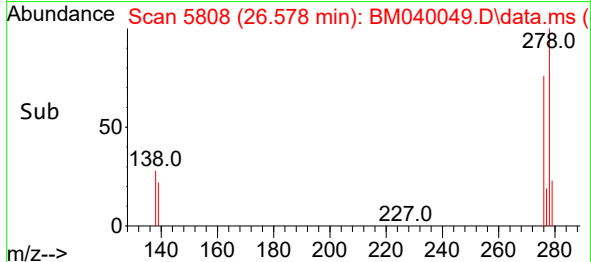
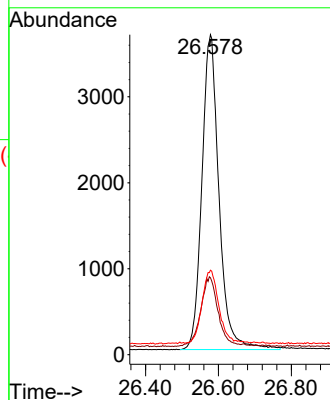
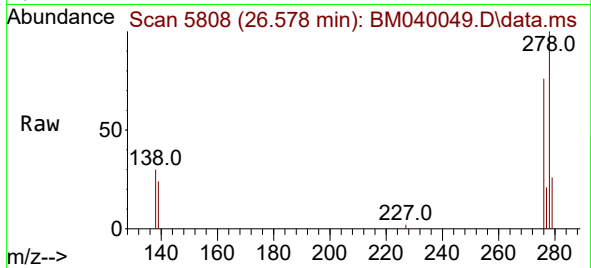




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.361 ng/ul  
 RT: 26.578 min Scan# 5808  
 Delta R.T. -0.017 min  
 Lab File: BM040049.D  
 Acq: 26 May 2023 22:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS065

Tgt Ion:278 Resp: 11947  
 Ion Ratio Lower Upper  
 278 100  
 139 24.1 19.0 28.4  
 279 26.4 20.6 31.0



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.372 ng/ul  
 RT: 27.339 min Scan# 6035  
 Delta R.T. -0.017 min  
 Lab File: BM040049.D  
 Acq: 26 May 2023 22:40

Tgt Ion:276 Resp: 12477  
 Ion Ratio Lower Upper  
 276 100  
 138 29.9 23.9 35.9  
 277 24.7 19.5 29.3

