

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100423\  
 Data File : BM042218.D  
 Acq On : 05 Oct 2023 15:53  
 Operator : MA/JU  
 Sample : PB155938BS  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS938

Quant Time: Oct 06 05:27:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM100223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 06 05:25:26 2023  
 Response via : Initial Calibration

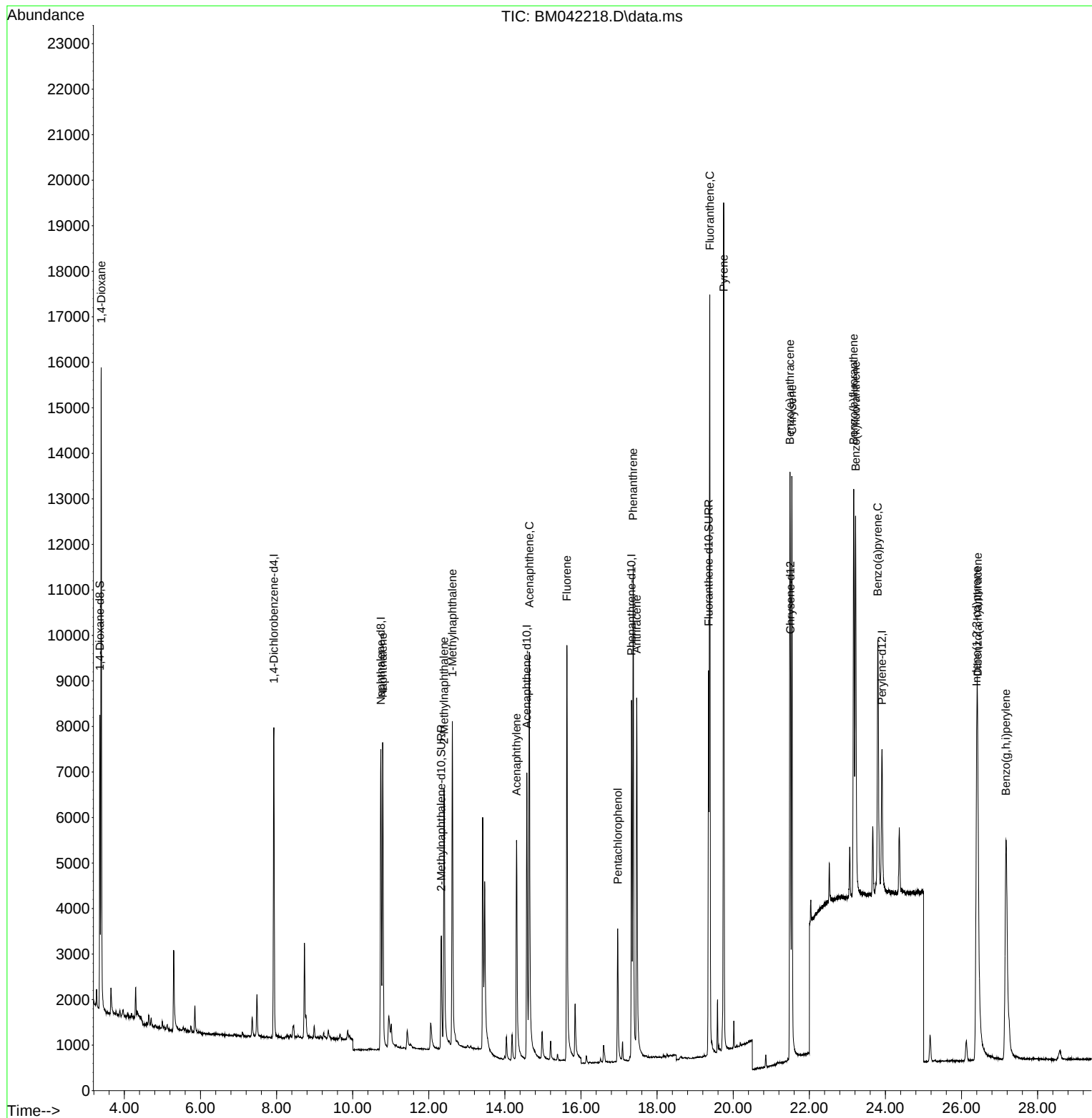
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.929  | 152  | 3537     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.741 | 136  | 9519     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.578 | 164  | 3984     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.329 | 188  | 9105     | 0.400 | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.507 | 240  | 4595     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.909 | 264  | 4648     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.356  | 96   | 3466     | 0.736 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.330 | 152  | 4288     | 0.328 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.352 | 212  | 7396     | 0.429 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.393  | 88   | 8239     | 1.675 | ng/ul# | 77       |
| 5) Naphthalene              | 10.790 | 128  | 9782     | 0.308 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.401 | 142  | 5524     | 0.291 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.621 | 142  | 5763     | 0.301 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.305 | 152  | 7901     | 0.314 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.643 | 153  | 6423     | 0.337 | ng/ul  | 99       |
| 12) Fluorene                | 15.628 | 166  | 7359     | 0.343 | ng/ul  | 96       |
| 14) Pentachlorophenol       | 16.966 | 266  | 2338     | 0.566 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.371 | 178  | 12502    | 0.333 | ng/ul  | 99       |
| 16) Anthracene              | 17.464 | 178  | 10484    | 0.305 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.385 | 202  | 14298    | 0.410 | ng/ul  | 97       |
| 20) Pyrene                  | 19.752 | 202  | 15551    | 0.419 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.489 | 228  | 10980    | 0.370 | ng/ul  | 99       |
| 22) Chrysene                | 21.545 | 228  | 11745    | 0.407 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.167 | 252  | 12203    | 0.445 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.217 | 252  | 11791    | 0.437 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.798 | 252  | 9997     | 0.423 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.398 | 276  | 13938    | 0.416 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.424 | 278  | 10287    | 0.407 | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 27.169 | 276  | 12476    | 0.446 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

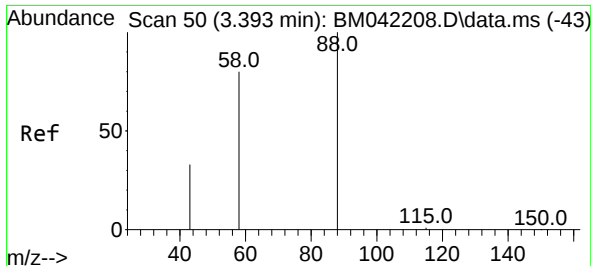
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100423\  
Data File : BM042218.D  
Acq On : 05 Oct 2023 15:53  
Operator : MA/JU  
Sample : PB155938BS  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS938

Quant Time: Oct 06 05:27:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM100223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 06 05:25:26 2023  
Response via : Initial Calibration

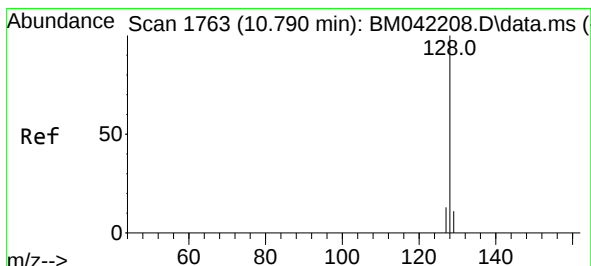
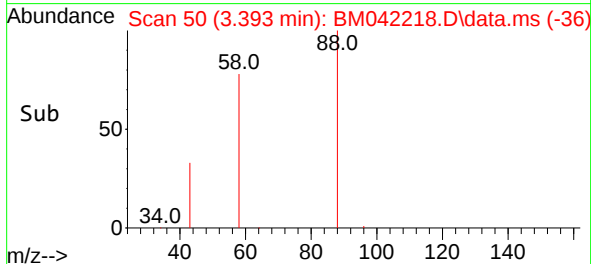
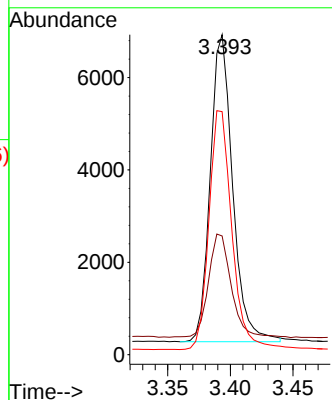
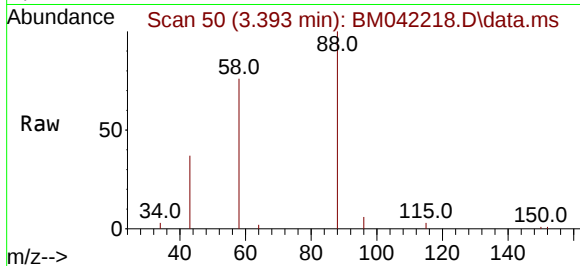




#2  
1,4-Dioxane  
Concen: 1.675 ng/ul  
RT: 3.393 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

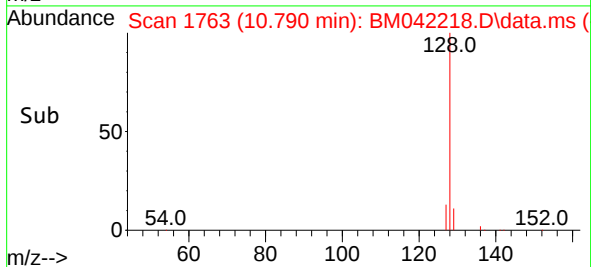
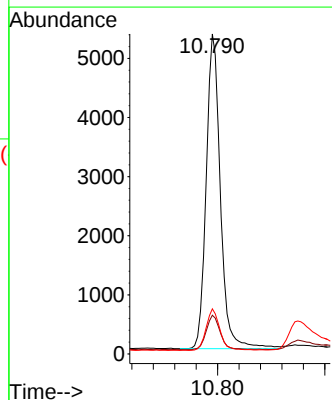
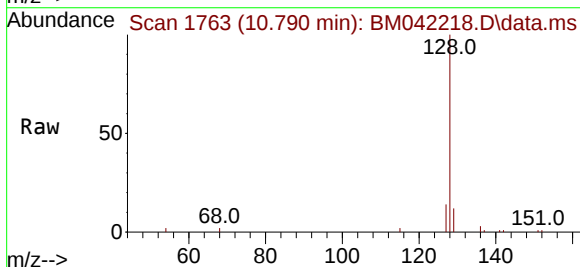
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS938

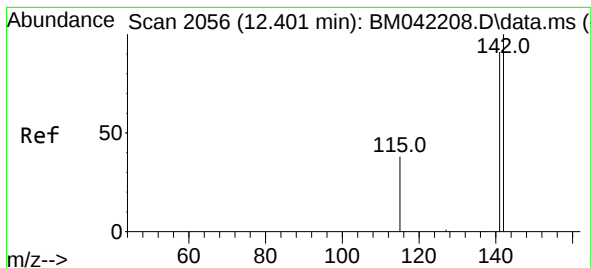
Tgt Ion: 88 Resp: 8239  
Ion Ratio Lower Upper  
88 100  
43 37.1 52.1 78.1#  
58 76.0 53.8 80.6



#5  
Naphthalene  
Concen: 0.308 ng/ul  
RT: 10.790 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion: 128 Resp: 9782  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.4 14.2  
127 14.1 11.0 16.4

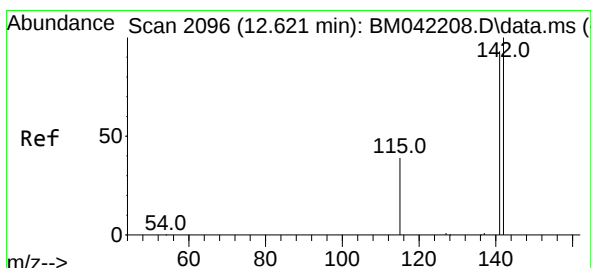
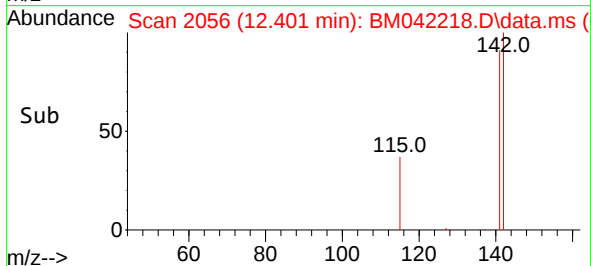
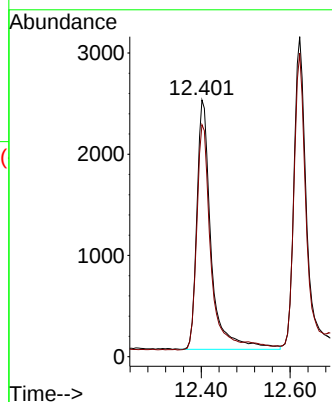
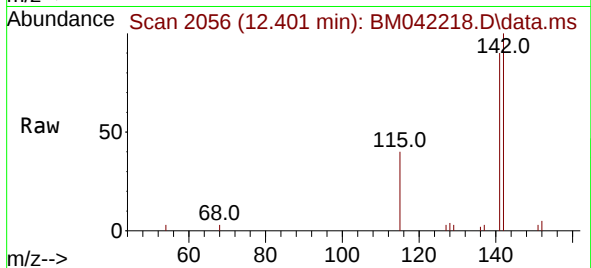




#7  
2-Methylnaphthalene  
Concen: 0.291 ng/ul  
RT: 12.401 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

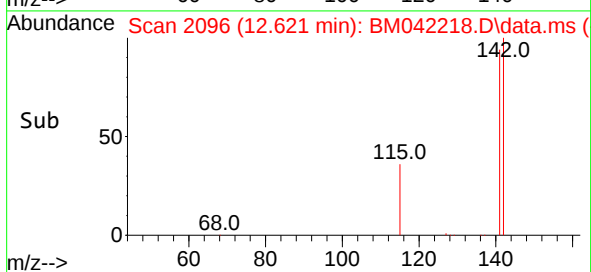
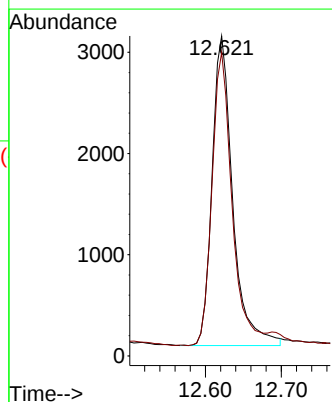
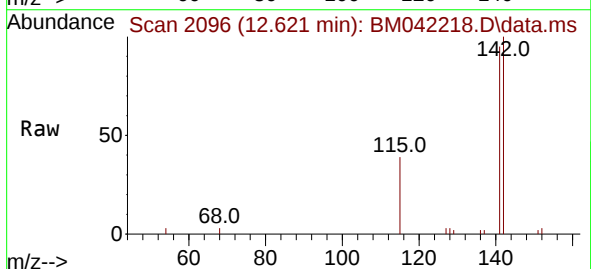
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS938

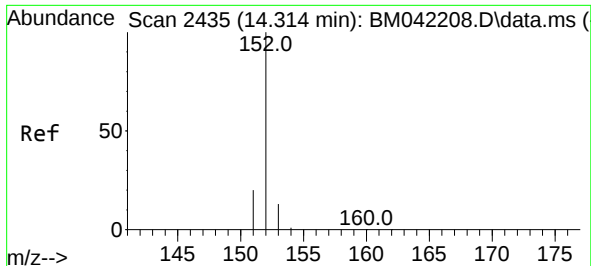
Tgt Ion:142 Resp: 5524  
Ion Ratio Lower Upper  
142 100  
141 92.4 70.2 105.4



#8  
1-Methylnaphthalene  
Concen: 0.301 ng/ul  
RT: 12.621 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:142 Resp: 5763  
Ion Ratio Lower Upper  
142 100  
141 94.7 73.5 110.3

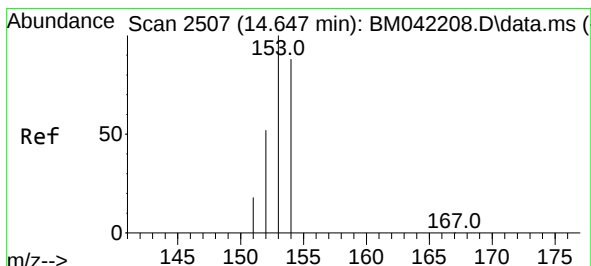
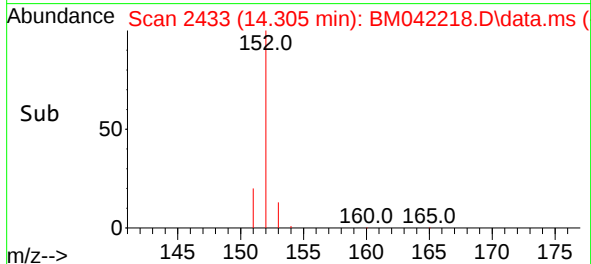
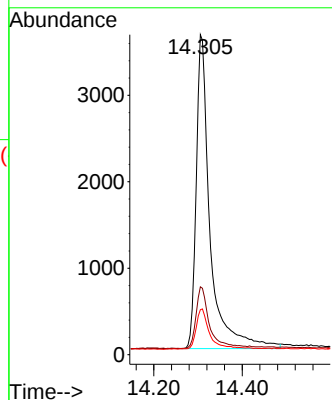
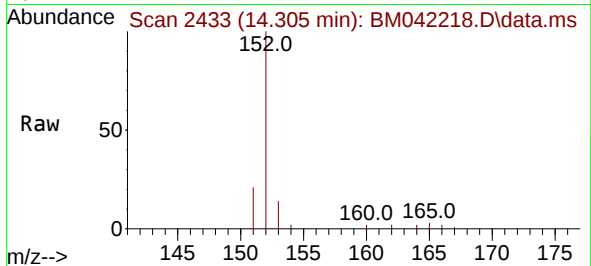




#10  
Acenaphthylene  
Concen: 0.314 ng/ul  
RT: 14.305 min Scan# 2433  
Delta R.T. -0.009 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

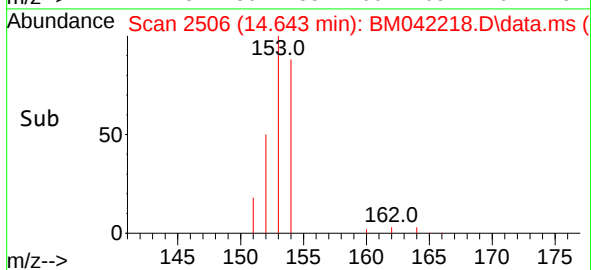
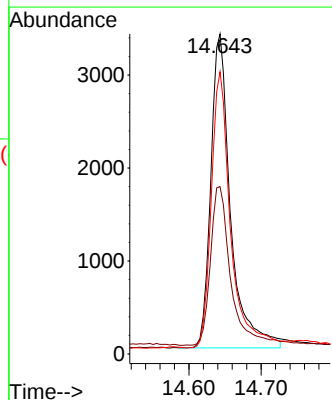
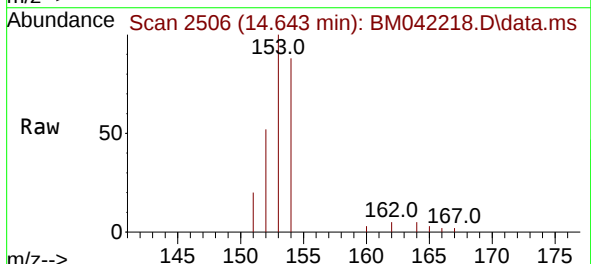
Instrument :  
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ClientSampleId :  
SLCS938

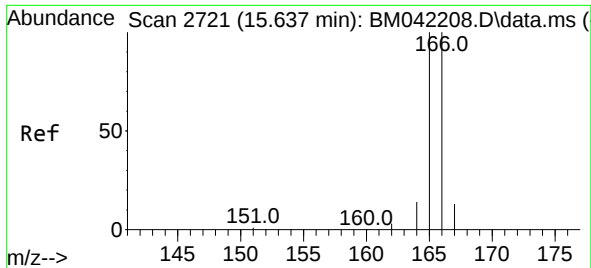
Tgt Ion:152 Resp: 7901  
Ion Ratio Lower Upper  
152 100  
151 21.2 16.4 24.6  
153 14.1 10.9 16.3



#11  
Acenaphthene  
Concen: 0.337 ng/ul  
RT: 14.643 min Scan# 2506  
Delta R.T. -0.004 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:153 Resp: 6423  
Ion Ratio Lower Upper  
153 100  
152 52.3 41.1 61.7  
154 88.2 69.5 104.3

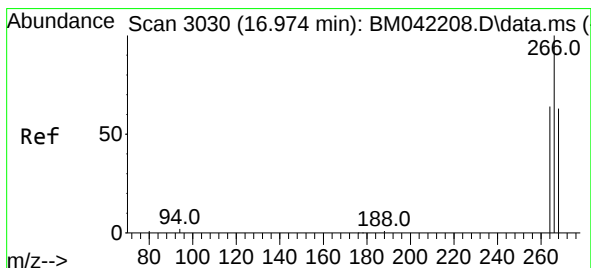
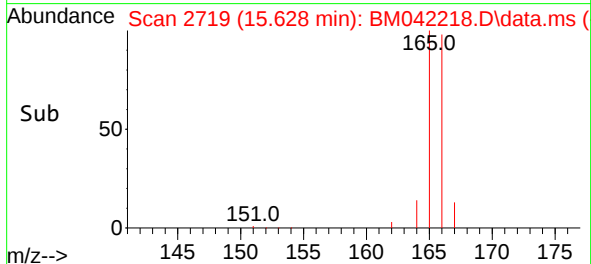
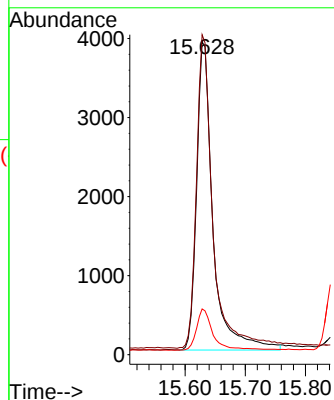
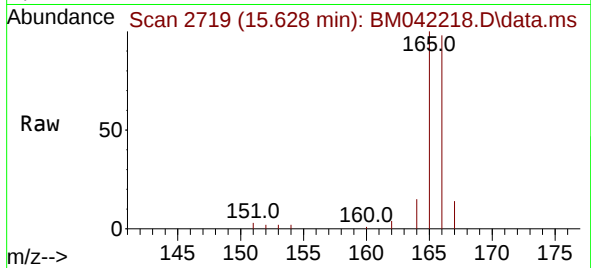




#12  
 Fluorene  
 Concen: 0.343 ng/ul  
 RT: 15.628 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BM042218.D  
 Acq: 05 Oct 2023 15:53

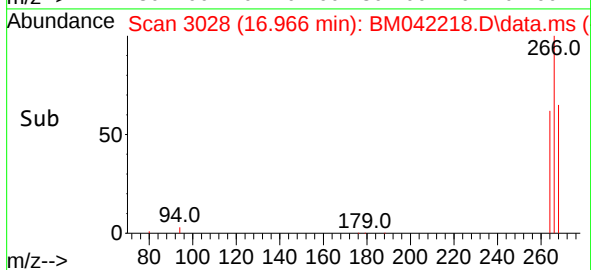
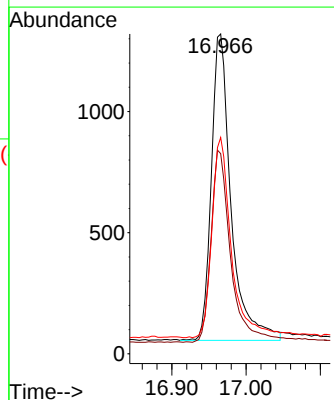
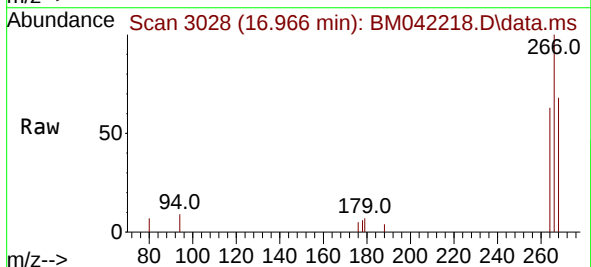
Instrument :  
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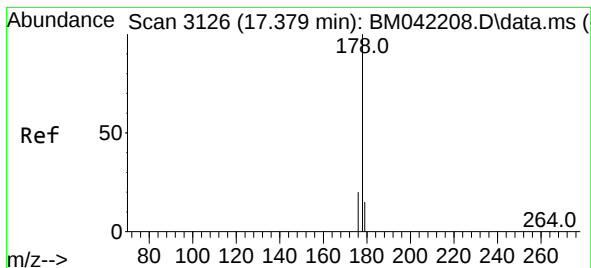
Tgt Ion:166 Resp: 7359  
 Ion Ratio Lower Upper  
 166 100  
 165 102.2 78.4 117.6  
 167 14.6 11.5 17.3



#14  
 Pentachlorophenol  
 Concen: 0.566 ng/ul  
 RT: 16.966 min Scan# 3028  
 Delta R.T. -0.008 min  
 Lab File: BM042218.D  
 Acq: 05 Oct 2023 15:53

Tgt Ion:266 Resp: 2338  
 Ion Ratio Lower Upper  
 266 100  
 264 62.4 51.1 76.7  
 268 64.5 52.1 78.1





#15

Phenanthrene

Concen: 0.333 ng/ul

RT: 17.371 min Scan# 3126

Delta R.T. -0.008 min

Lab File: BM042218.D

Acq: 05 Oct 2023 15:53

Instrument :

BNA\_M

ClientSampleId :

SLCS938

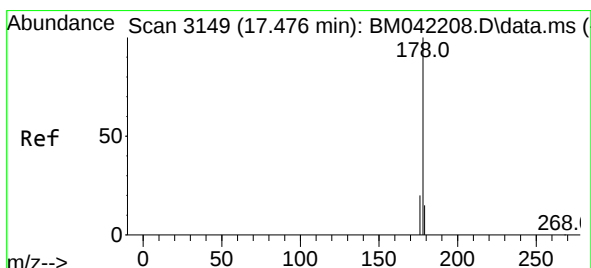
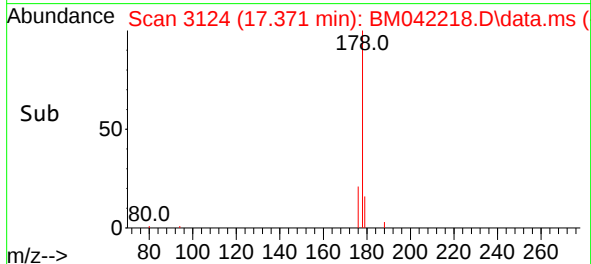
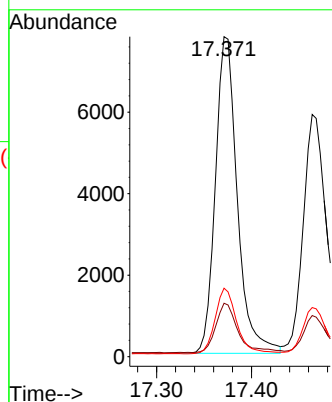
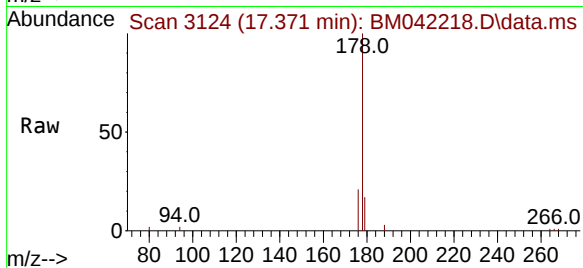
Tgt Ion:178 Resp: 12502

Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.4

176 21.4 16.8 25.2



#16

Anthracene

Concen: 0.305 ng/ul

RT: 17.464 min Scan# 3146

Delta R.T. -0.012 min

Lab File: BM042218.D

Acq: 05 Oct 2023 15:53

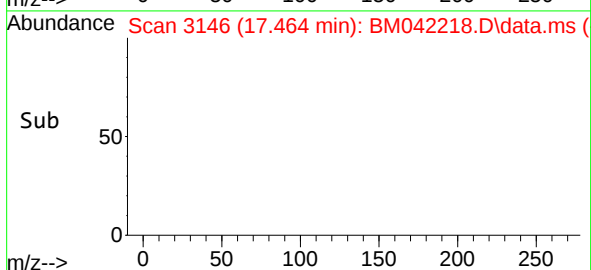
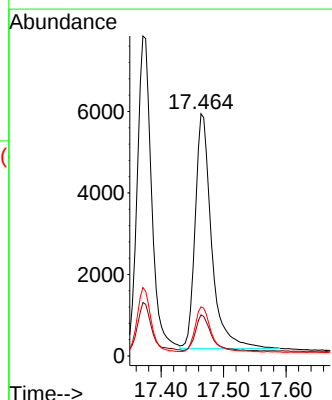
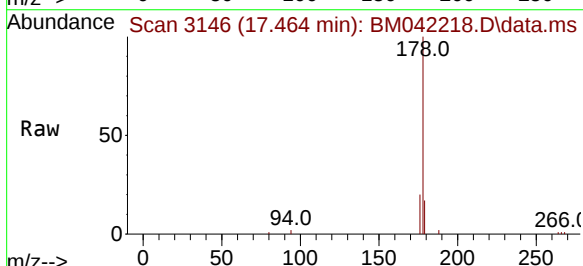
Tgt Ion:178 Resp: 10484

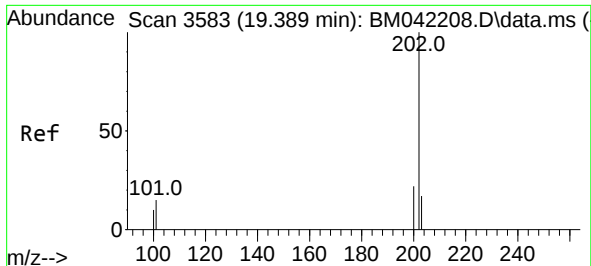
Ion Ratio Lower Upper

178 100

179 16.9 12.9 19.3

176 20.3 16.3 24.5

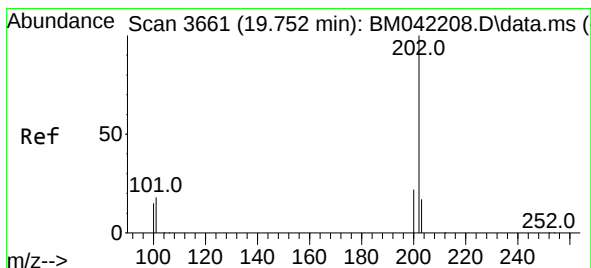
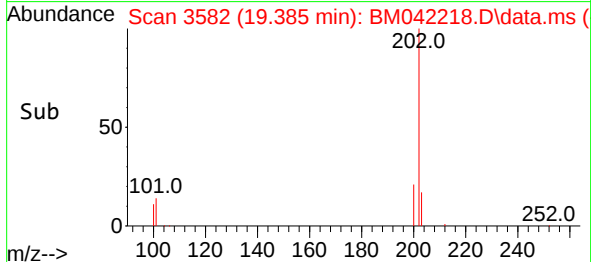
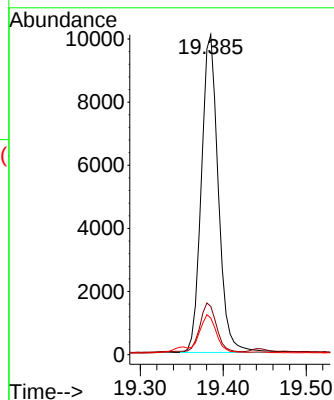
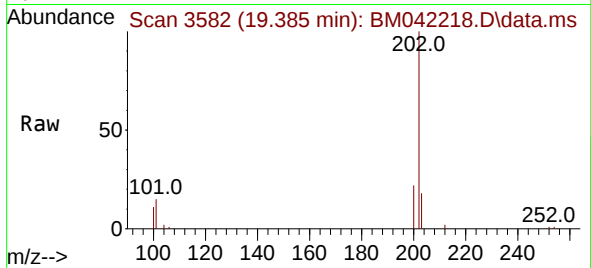




#19  
Fluoranthene  
Concen: 0.410 ng/ul  
RT: 19.385 min Scan# 3583  
Delta R.T. -0.004 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

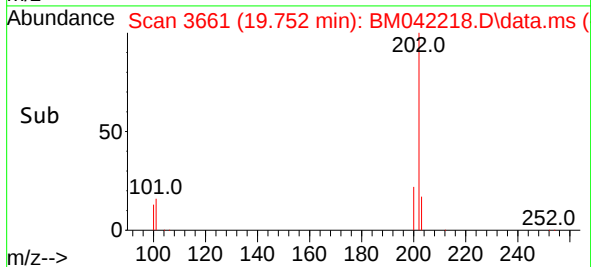
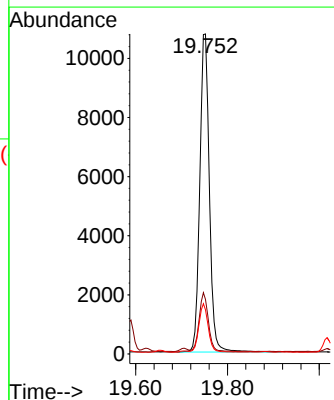
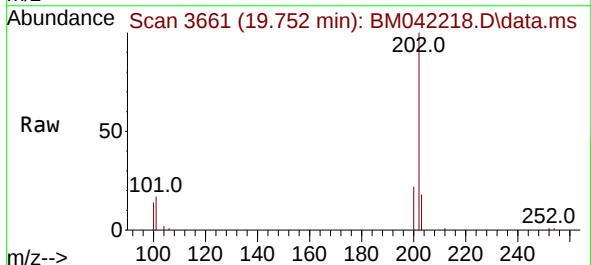
Instrument :  
BNA\_M  
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SLCS938

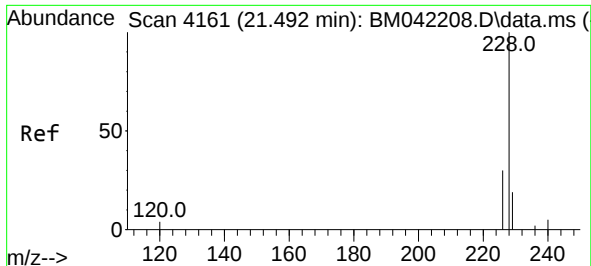
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Ion Ratio Lower Upper  
202 100  
101 15.1 11.1 16.7  
100 11.4 8.2 12.2



#20  
Pyrene  
Concen: 0.419 ng/ul  
RT: 19.752 min Scan# 3661  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:202 Resp: 15551  
Ion Ratio Lower Upper  
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101 17.0 12.7 19.1  
100 13.8 9.9 14.9

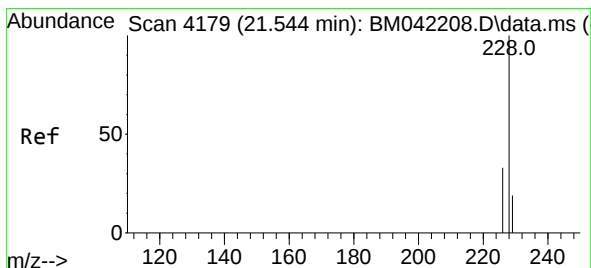
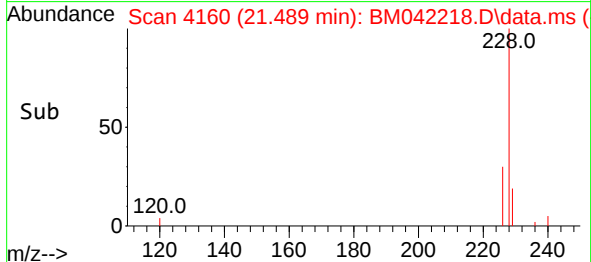
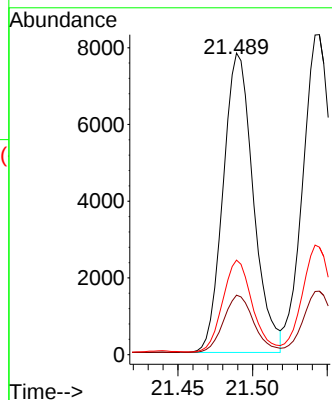
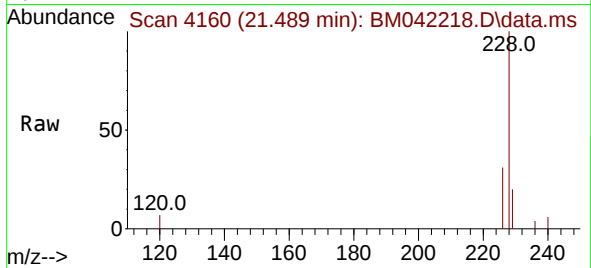




#21  
Benzo(a)anthracene  
Concen: 0.370 ng/ul  
RT: 21.489 min Scan# 4160  
Delta R.T. -0.003 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

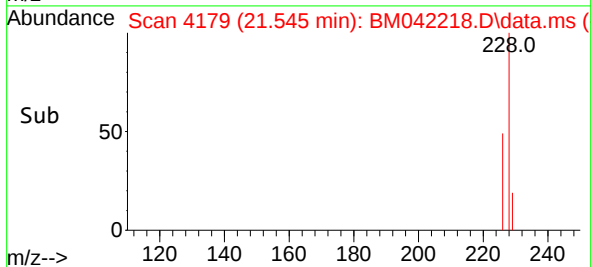
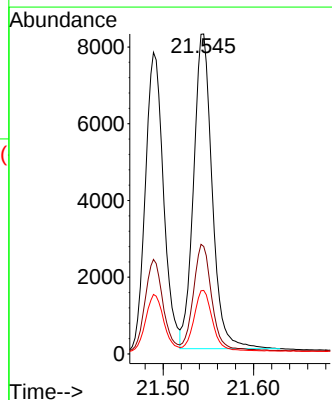
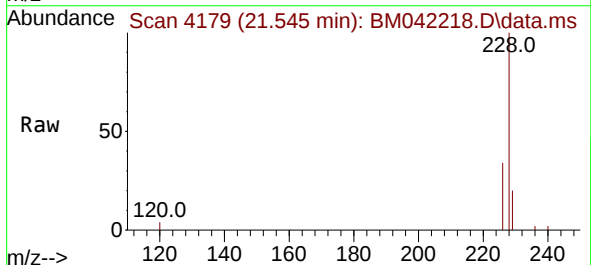
Instrument :  
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ClientSampleId :  
SLCS938

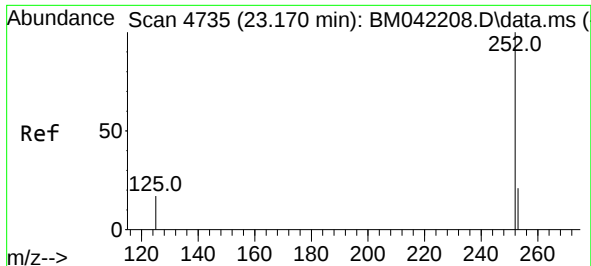
Tgt Ion:228 Resp: 10980  
Ion Ratio Lower Upper  
228 100  
229 19.8 15.8 23.8  
226 31.3 24.6 37.0



#22  
Chrysene  
Concen: 0.407 ng/ul  
RT: 21.545 min Scan# 4179  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:228 Resp: 11745  
Ion Ratio Lower Upper  
228 100  
226 33.6 26.7 40.1  
229 19.9 15.8 23.8

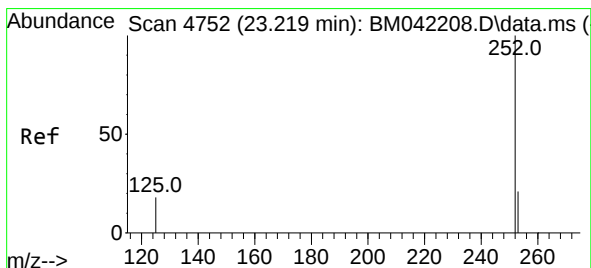
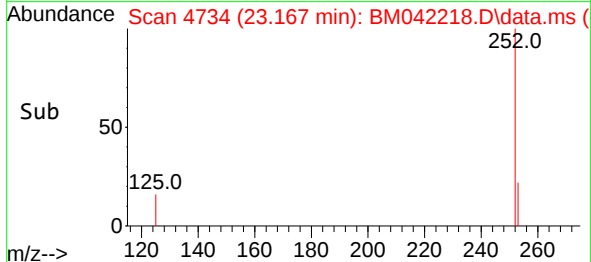
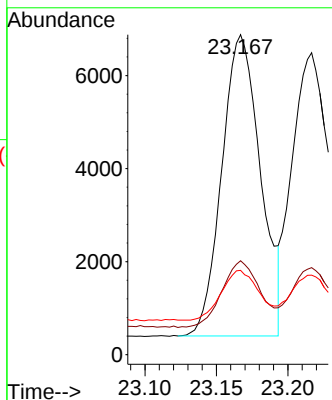
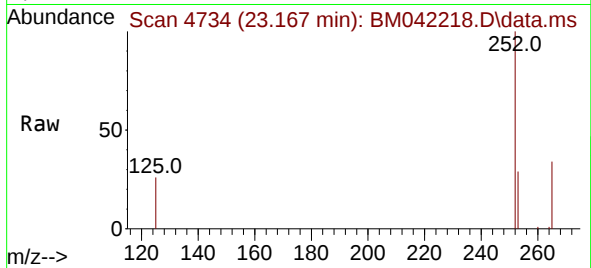




#24  
Benzo(b)fluoranthene  
Concen: 0.445 ng/ul  
RT: 23.167 min Scan# 4734  
Delta R.T. -0.003 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

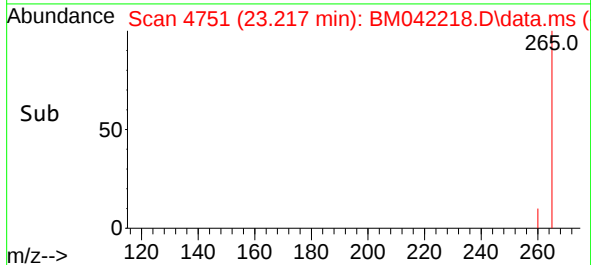
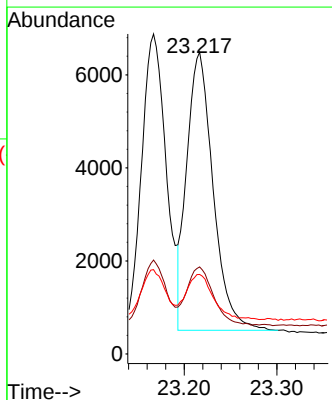
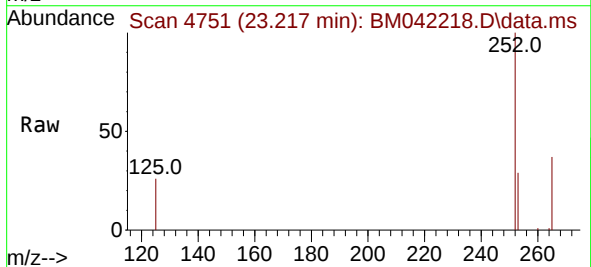
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS938

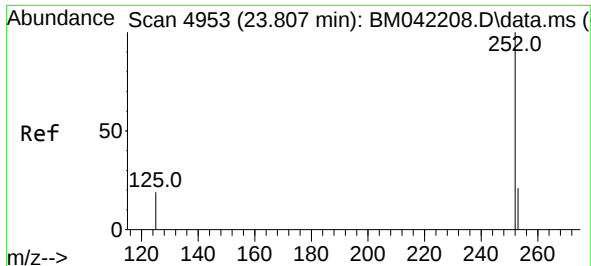
Tgt Ion:252 Resp: 12203  
Ion Ratio Lower Upper  
252 100  
253 29.4 0.0 59.0  
125 26.4 0.0 49.6



#25  
Benzo(k)fluoranthene  
Concen: 0.437 ng/ul  
RT: 23.217 min Scan# 4751  
Delta R.T. -0.003 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:252 Resp: 11791  
Ion Ratio Lower Upper  
252 100  
253 28.8 23.4 35.0  
125 26.3 19.9 29.9

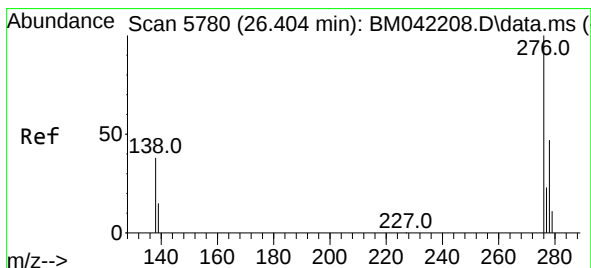
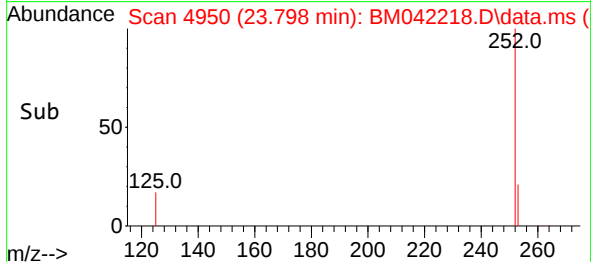
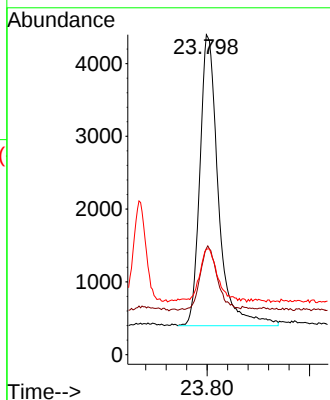
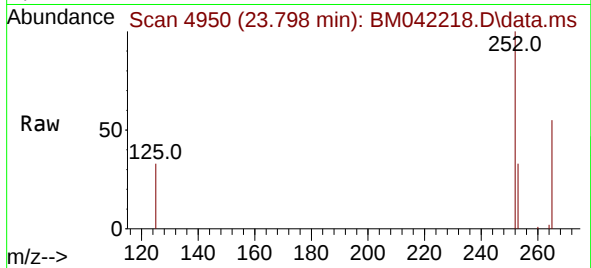




#26  
Benzo(a)pyrene  
Concen: 0.423 ng/ul  
RT: 23.798 min Scan# 4953  
Delta R.T. -0.009 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

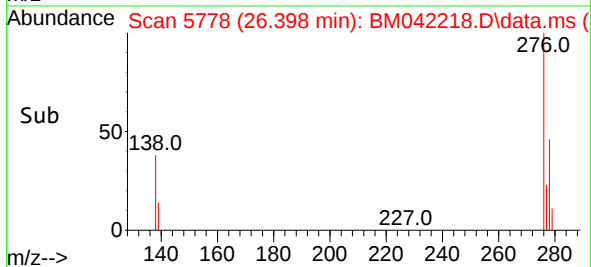
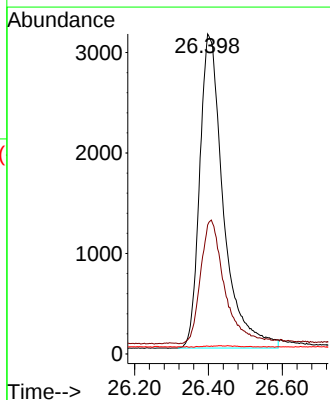
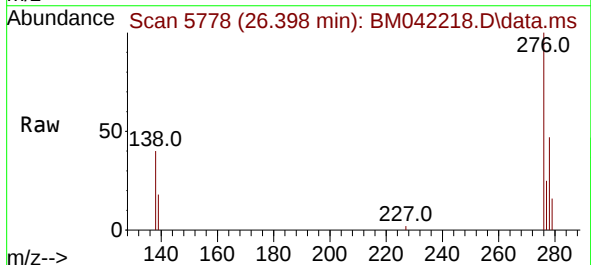
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS938

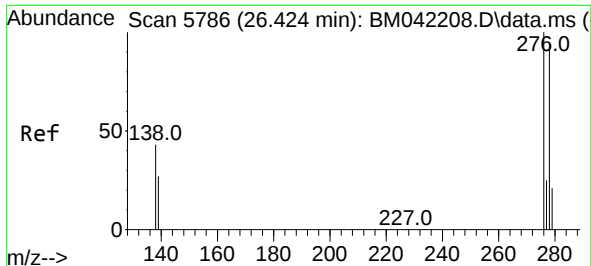
Tgt Ion:252 Resp: 9997  
Ion Ratio Lower Upper  
252 100  
253 33.2 25.3 37.9  
125 33.0 23.2 34.8



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.416 ng/ul  
RT: 26.398 min Scan# 5778  
Delta R.T. -0.006 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:276 Resp: 13938  
Ion Ratio Lower Upper  
276 100  
138 40.2 26.7 40.1#  
227 0.1 0.2 0.2#

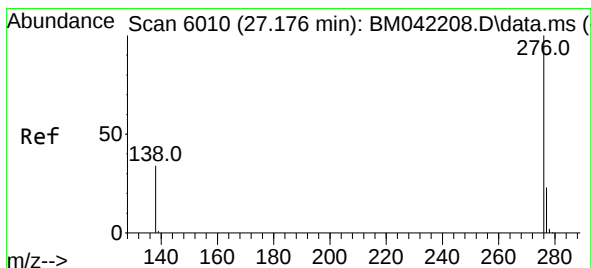
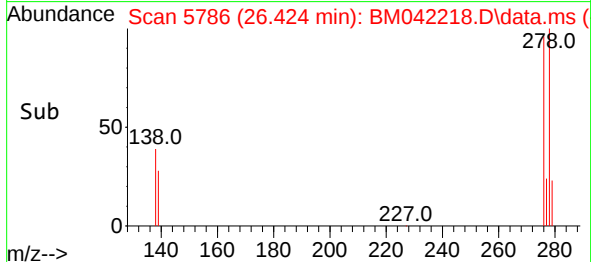
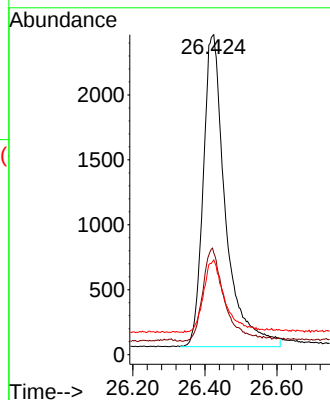
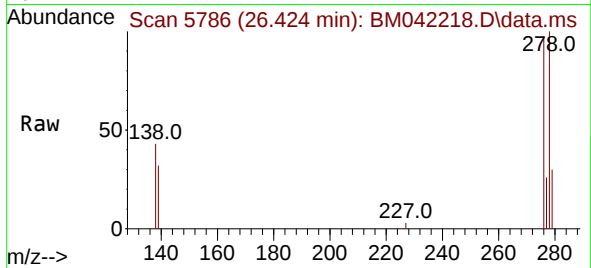




#28  
Dibenzo(a,h)anthracene  
Concen: 0.407 ng/ul  
RT: 26.424 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS938

Tgt Ion:278 Resp: 10287  
Ion Ratio Lower Upper  
278 100  
139 31.8 21.7 32.5  
279 29.6 22.4 33.6



#29  
Benzo(g,h,i)perylene  
Concen: 0.446 ng/ul  
RT: 27.169 min Scan# 6008  
Delta R.T. -0.006 min  
Lab File: BM042218.D  
Acq: 05 Oct 2023 15:53

Tgt Ion:276 Resp: 12476  
Ion Ratio Lower Upper  
276 100  
138 38.8 26.8 40.2  
277 25.1 20.1 30.1

