

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012623\  
 Data File : BM038601.D  
 Acq On : 28 Jan 2023 00:52  
 Operator : CG/JU  
 Sample : PB150411BS  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS411

Quant Time: Jan 28 01:34:34 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 27 00:18:15 2023  
 Response via : Initial Calibration

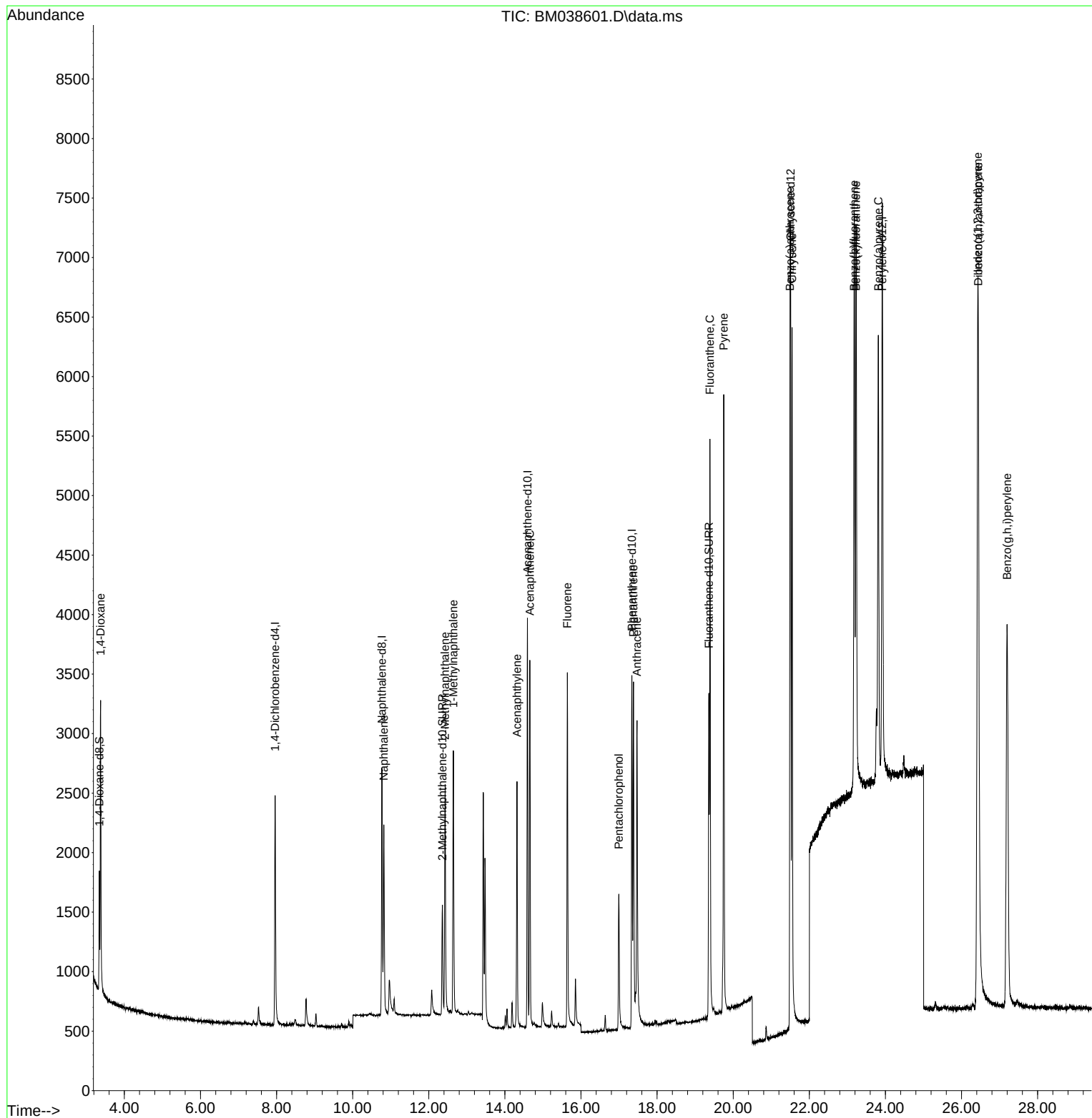
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.963  | 152  | 1103     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.768 | 136  | 3119     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.592 | 164  | 1933     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.337 | 188  | 4099     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.510 | 240  | 5118     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.918 | 264  | 6807     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.343  | 96   | 701      | 0.484 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.357 | 152  | 1382     | 0.286 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.362 | 212  | 3512     | 0.240 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.376  | 88   | 1716     | 1.167 | ng/ul# | 18       |
| 5) Naphthalene              | 10.818 | 128  | 2265     | 0.223 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.429 | 142  | 1513     | 0.282 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.649 | 142  | 1563     | 0.283 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.319 | 152  | 2427     | 0.285 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.657 | 153  | 1775     | 0.273 | ng/ul  | 98       |
| 12) Fluorene                | 15.642 | 166  | 2075     | 0.256 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.995 | 266  | 939      | 0.562 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.379 | 178  | 3355     | 0.253 | ng/ul  | 96       |
| 16) Anthracene              | 17.472 | 178  | 3344     | 0.296 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.390 | 202  | 4507     | 0.247 | ng/ul  | 98       |
| 20) Pyrene                  | 19.752 | 202  | 4904     | 0.250 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.495 | 228  | 5237     | 0.288 | ng/ul  | 97       |
| 22) Chrysene                | 21.548 | 228  | 5318     | 0.291 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.179 | 252  | 6886     | 0.269 | ng/ul  | 95       |
| 25) Benzo(k)fluoranthene    | 23.228 | 252  | 6905     | 0.278 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.813 | 252  | 6340     | 0.276 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.424 | 276  | 9615     | 0.297 | ng/ul# | 65       |
| 28) Dibenzo(a,h)anthracene  | 26.441 | 278  | 7770     | 0.302 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.196 | 276  | 8354     | 0.297 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

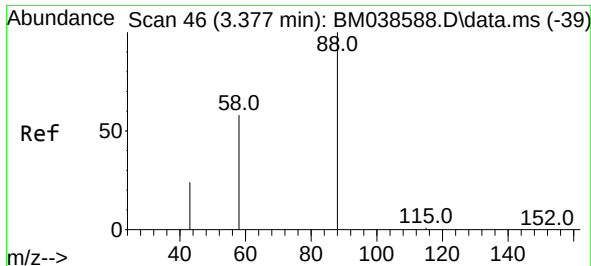
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012623\  
Data File : BM038601.D  
Acq On : 28 Jan 2023 00:52  
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Sample : PB150411BS  
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ALS Vial : 63 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Jan 28 01:34:34 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM012623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 27 00:18:15 2023  
Response via : Initial Calibration

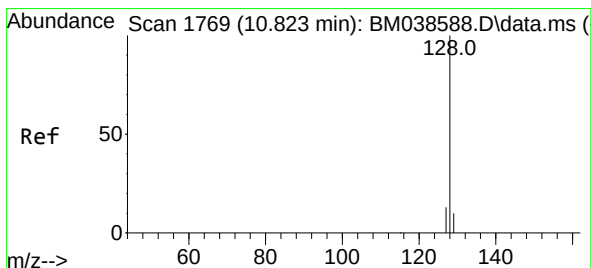
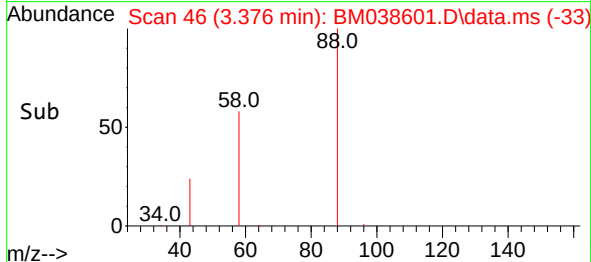
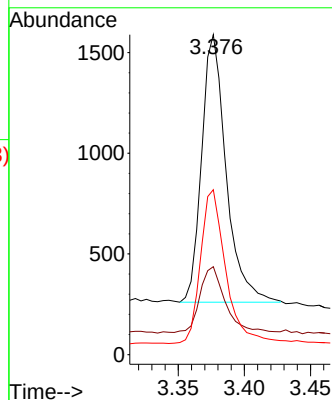
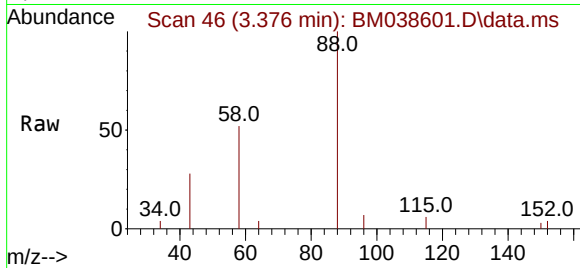




#2  
1,4-Dioxane  
Concen: 1.167 ng/ul  
RT: 3.376 min Scan# 46  
Delta R.T. -0.004 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

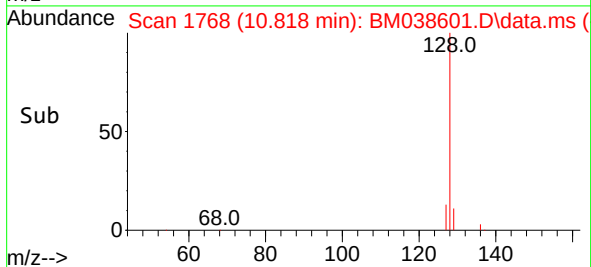
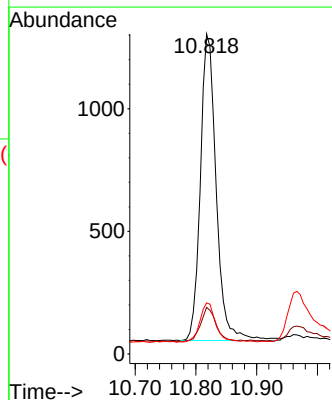
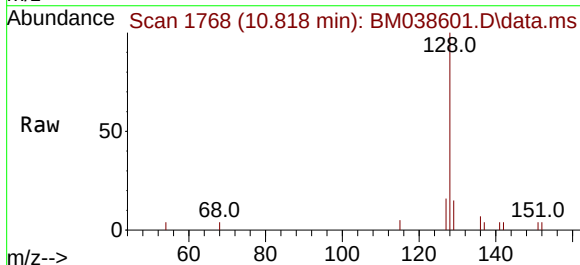
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ClientSampleId :  
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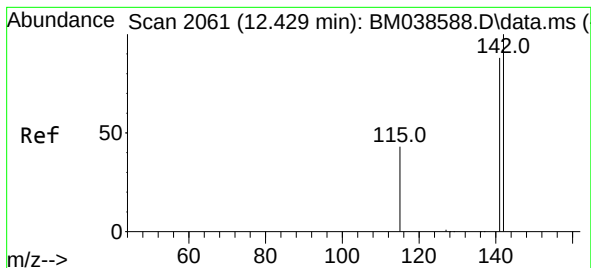
Tgt Ion: 88 Resp: 1716  
Ion Ratio Lower Upper  
88 100  
43 27.5 141.3 211.9#  
58 51.5 45.7 68.5



#5  
Naphthalene  
Concen: 0.223 ng/ul  
RT: 10.818 min Scan# 1768  
Delta R.T. -0.011 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion: 128 Resp: 2265  
Ion Ratio Lower Upper  
128 100  
129 14.6 10.3 15.5  
127 15.9 11.9 17.9

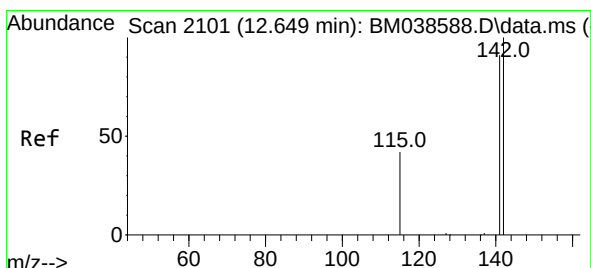
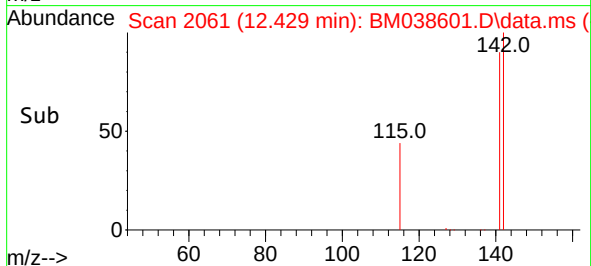
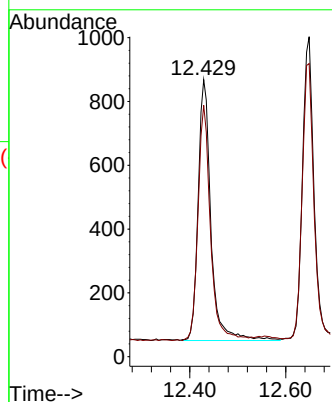
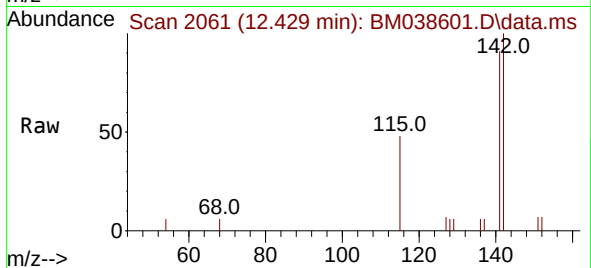




#7  
2-Methylnaphthalene  
Concen: 0.282 ng/ul  
RT: 12.429 min Scan# 2061  
Delta R.T. -0.006 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

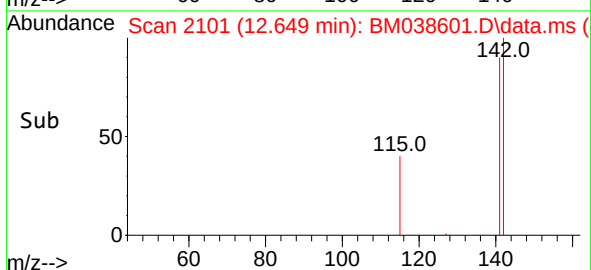
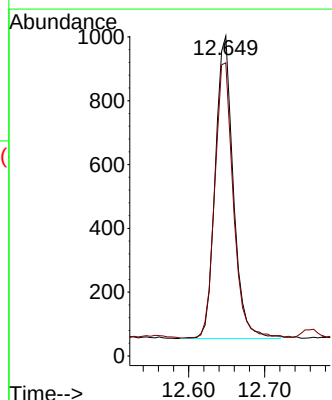
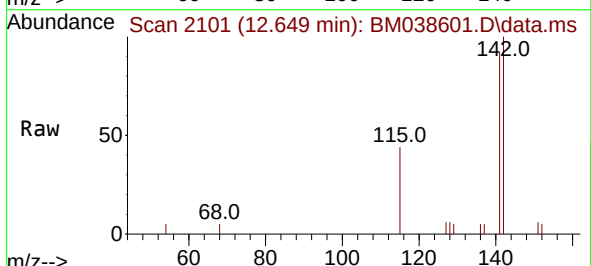
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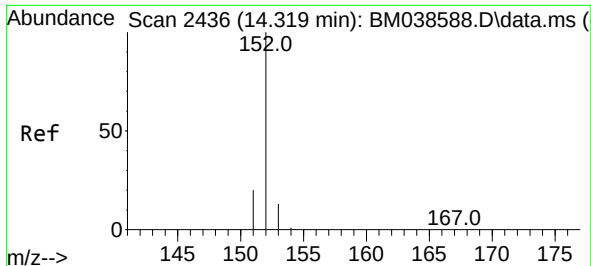
Tgt Ion:142 Resp: 1513  
Ion Ratio Lower Upper  
142 100  
141 88.0 73.7 110.5



#8  
1-Methylnaphthalene  
Concen: 0.283 ng/ul  
RT: 12.649 min Scan# 2101  
Delta R.T. -0.006 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:142 Resp: 1563  
Ion Ratio Lower Upper  
142 100  
141 92.9 74.0 111.0

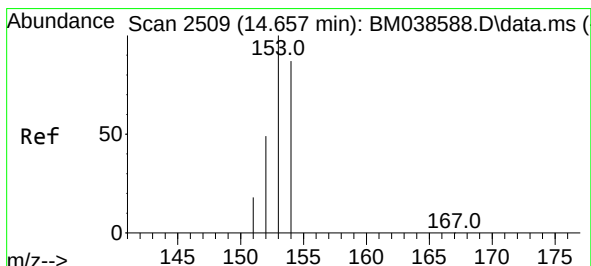
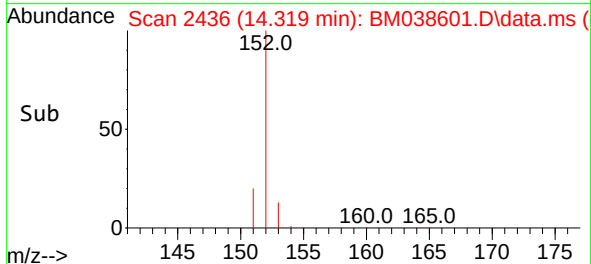
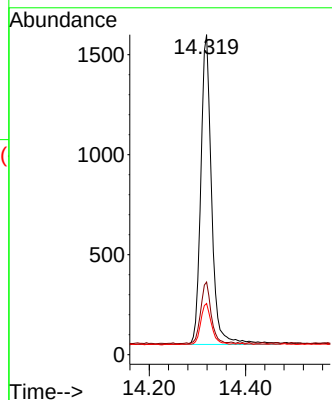
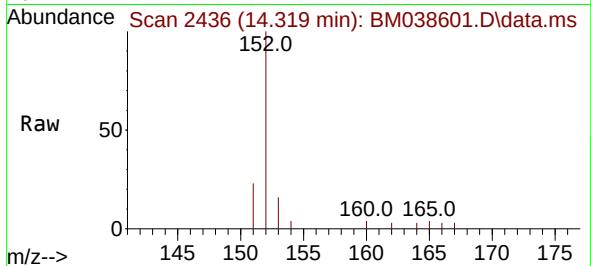




#10  
Acenaphthylene  
Concen: 0.285 ng/ul  
RT: 14.319 min Scan# 2436  
Delta R.T. -0.005 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

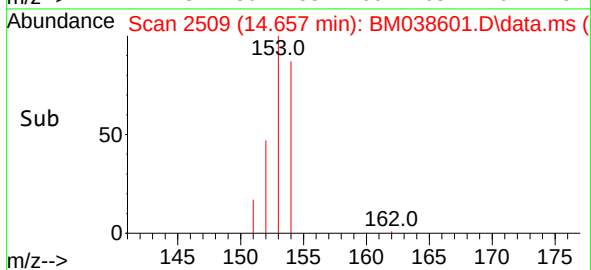
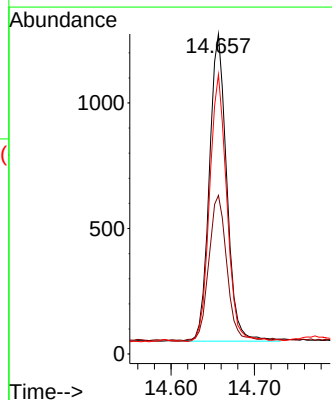
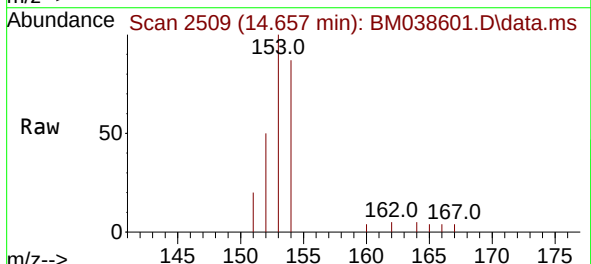
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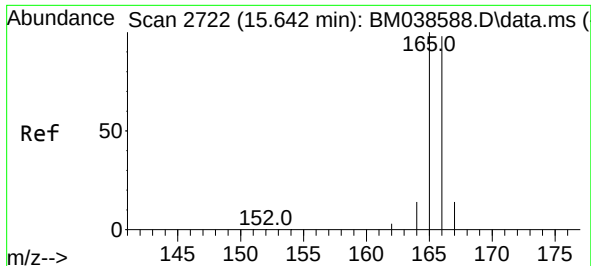
Tgt Ion:152 Resp: 2427  
Ion Ratio Lower Upper  
152 100  
151 22.7 16.3 24.5  
153 16.0 11.8 17.6



#11  
Acenaphthene  
Concen: 0.273 ng/ul  
RT: 14.657 min Scan# 2509  
Delta R.T. -0.005 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:153 Resp: 1775  
Ion Ratio Lower Upper  
153 100  
152 49.6 40.1 60.1  
154 87.4 68.4 102.6

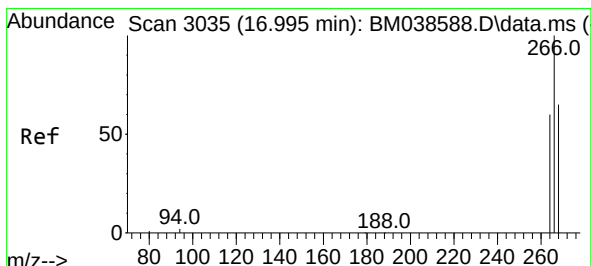
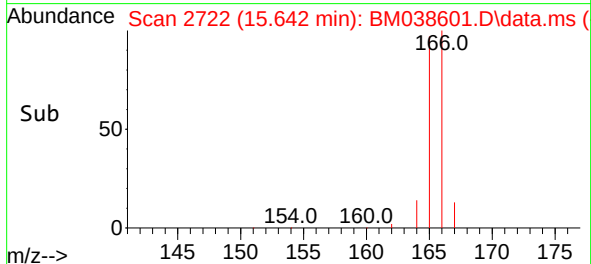
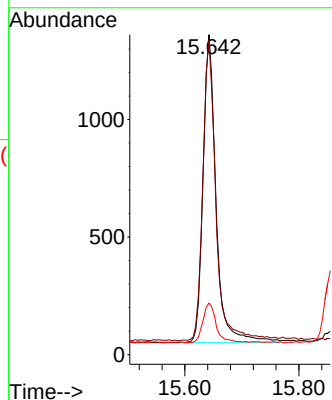
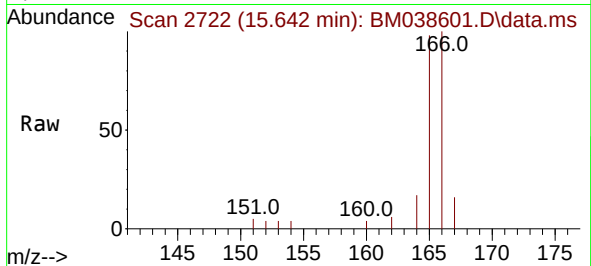




#12  
Fluorene  
Concen: 0.256 ng/ul  
RT: 15.642 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

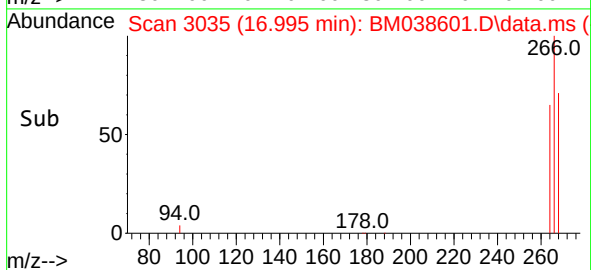
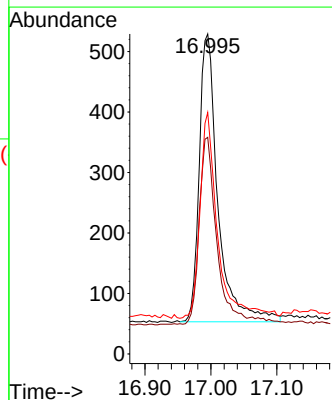
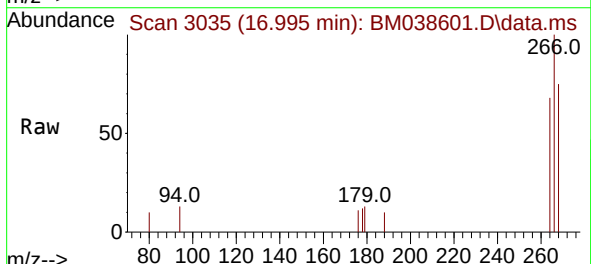
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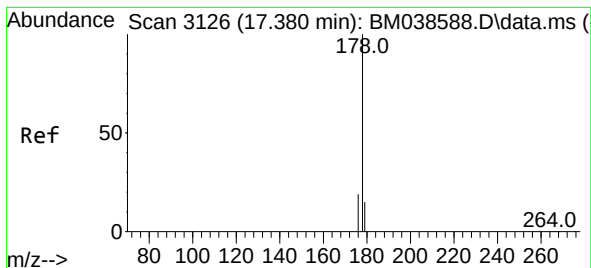
Tgt Ion:166 Resp: 2075  
Ion Ratio Lower Upper  
166 100  
165 98.2 79.3 118.9  
167 16.1 11.9 17.9



#14  
Pentachlorophenol  
Concen: 0.562 ng/ul  
RT: 16.995 min Scan# 3035  
Delta R.T. -0.004 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:266 Resp: 939  
Ion Ratio Lower Upper  
266 100  
264 62.3 49.4 74.2  
268 67.6 51.7 77.5





#15

Phenanthrene

Concen: 0.253 ng/ul

RT: 17.379 min Scan# 3126

Delta R.T. -0.004 min

Lab File: BM038601.D

Acq: 28 Jan 2023 00:52

Instrument :

BNA\_M

ClientSampleId :

SLCS411

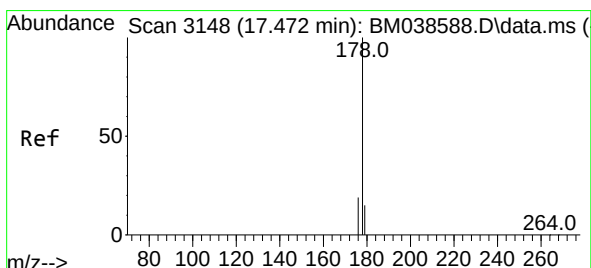
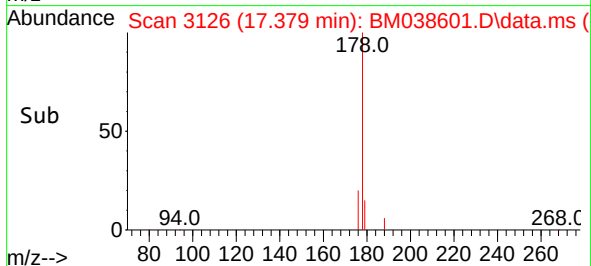
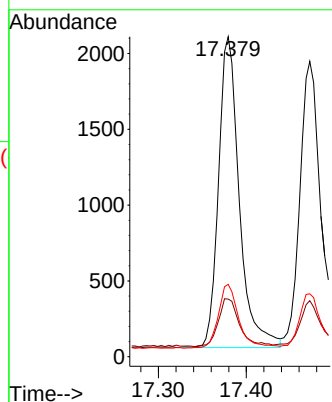
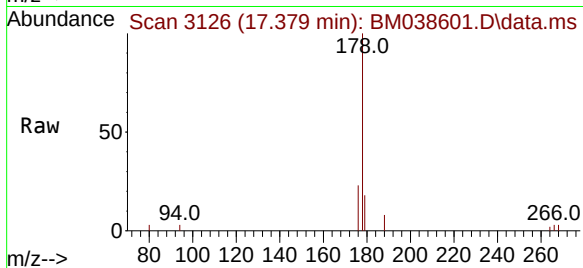
Tgt Ion:178 Resp: 3355

Ion Ratio Lower Upper

178 100

179 18.0 13.0 19.4

176 22.6 16.4 24.6



#16

Anthracene

Concen: 0.296 ng/ul

RT: 17.472 min Scan# 3148

Delta R.T. -0.004 min

Lab File: BM038601.D

Acq: 28 Jan 2023 00:52

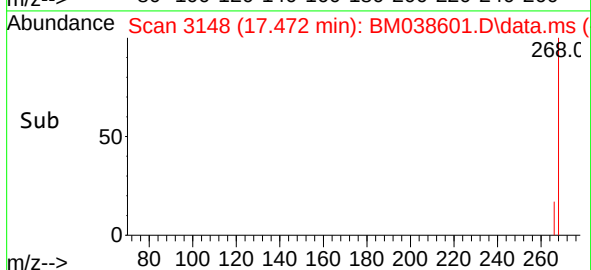
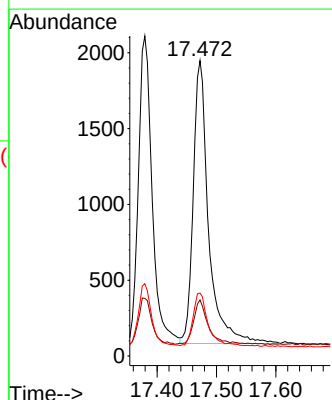
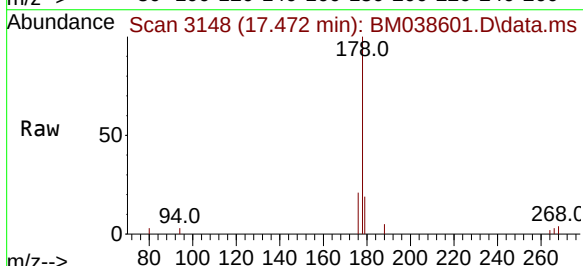
Tgt Ion:178 Resp: 3344

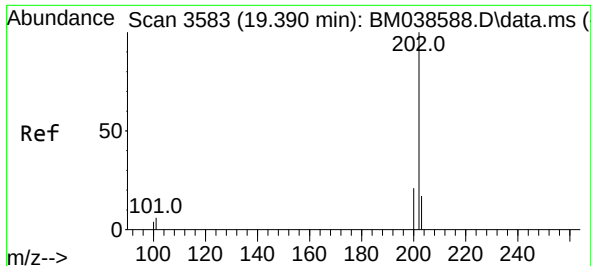
Ion Ratio Lower Upper

178 100

179 19.0 13.2 19.8

176 21.3 16.2 24.4

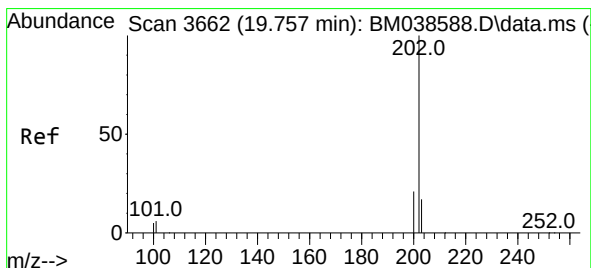
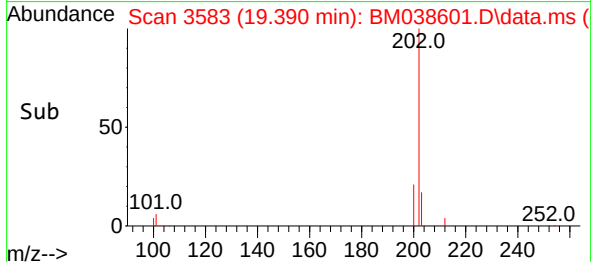
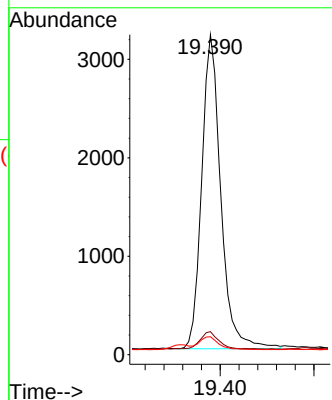
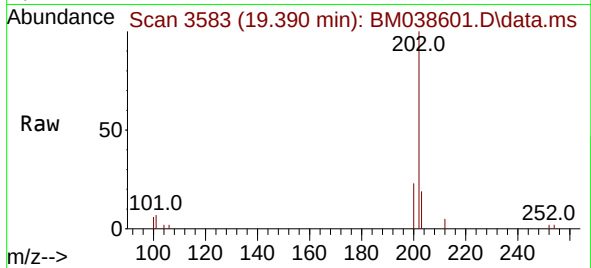




#19  
Fluoranthene  
Concen: 0.247 ng/ul  
RT: 19.390 min Scan# 3583  
Delta R.T. -0.005 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

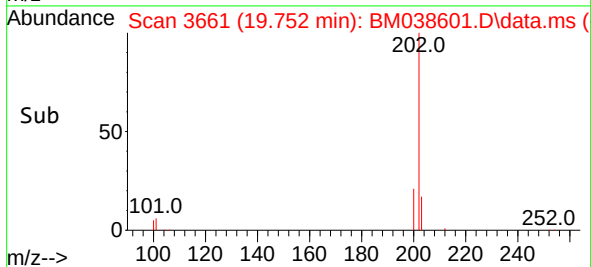
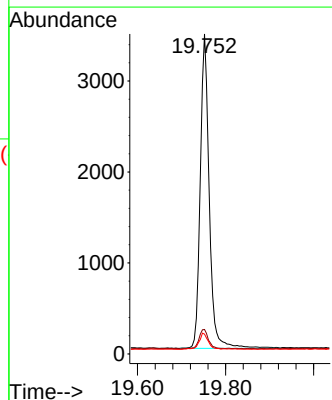
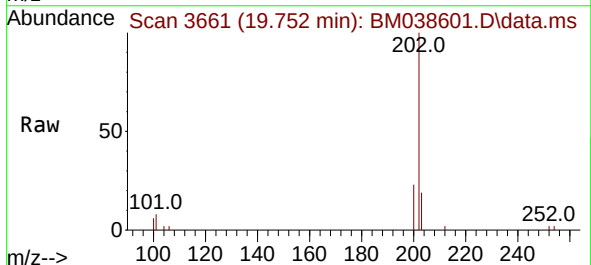
Instrument :  
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Tgt Ion:202 Resp: 4507  
Ion Ratio Lower Upper  
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101 7.2 5.3 7.9  
100 5.6 4.2 6.2

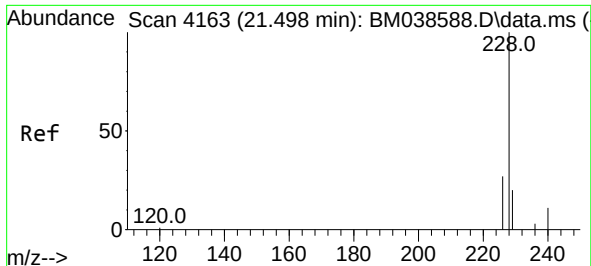


#20  
Pyrene  
Concen: 0.250 ng/ul  
RT: 19.752 min Scan# 3661  
Delta R.T. -0.005 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:202 Resp: 4904  
Ion Ratio Lower Upper  
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101 7.6 5.9 8.9  
100 6.2 5.2 7.8



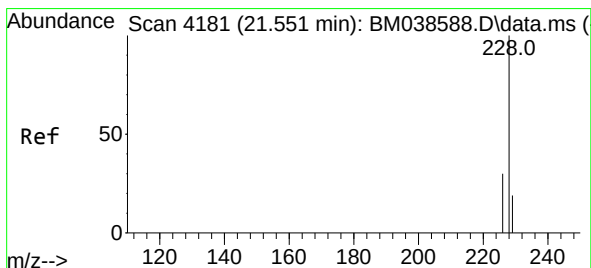
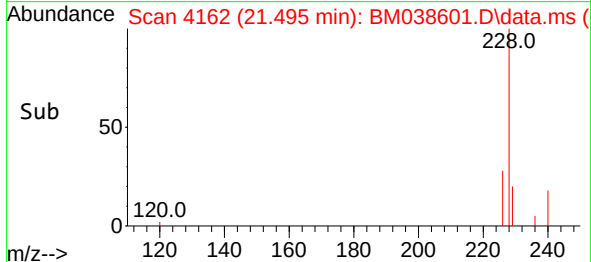
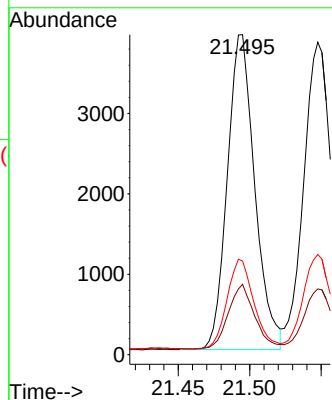
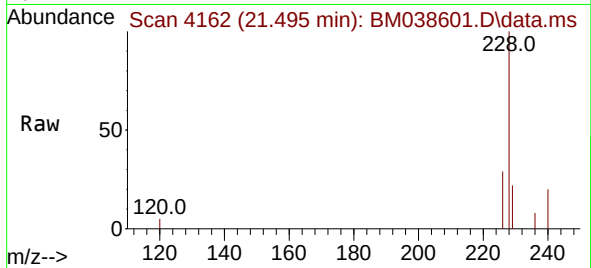




#21  
Benzo(a)anthracene  
Concen: 0.288 ng/ul  
RT: 21.495 min Scan# 4163  
Delta R.T. -0.006 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

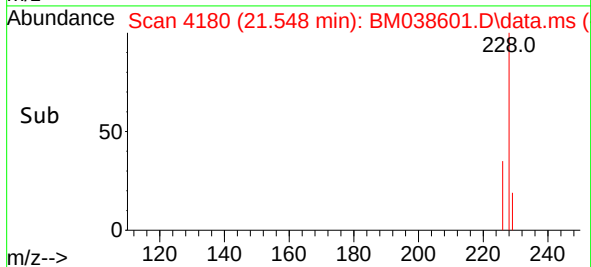
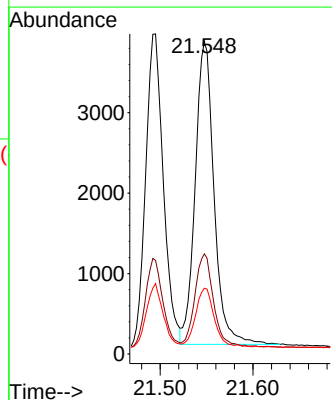
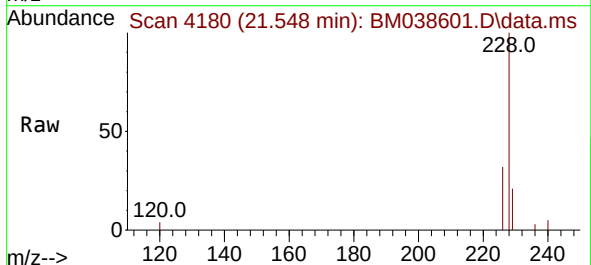
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS411

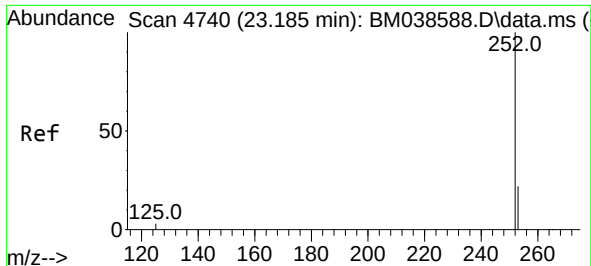
Tgt Ion:228 Resp: 5237  
Ion Ratio Lower Upper  
228 100  
229 22.0 16.7 25.1  
226 29.3 22.2 33.4



#22  
Chrysene  
Concen: 0.291 ng/ul  
RT: 21.548 min Scan# 4180  
Delta R.T. -0.006 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:228 Resp: 5318  
Ion Ratio Lower Upper  
228 100  
226 32.0 24.6 36.8  
229 21.1 16.2 24.4

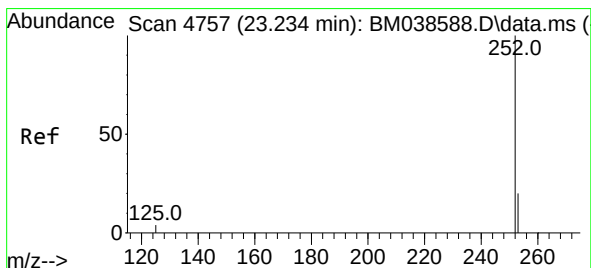
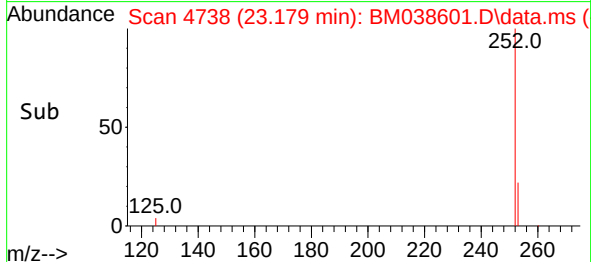
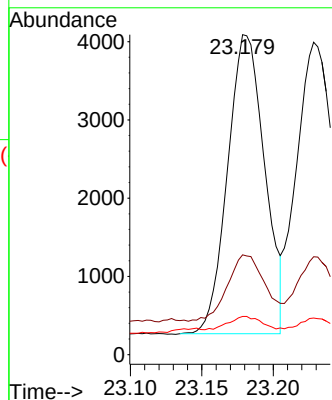
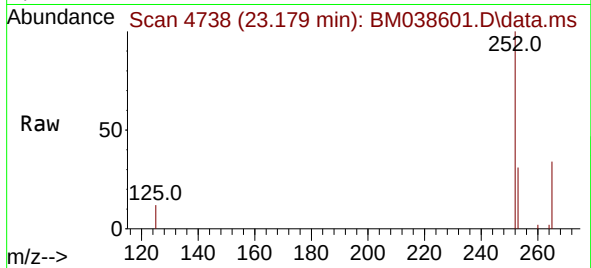




#24  
Benzo(b)fluoranthene  
Concen: 0.269 ng/ul  
RT: 23.179 min Scan# 4738  
Delta R.T. -0.012 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

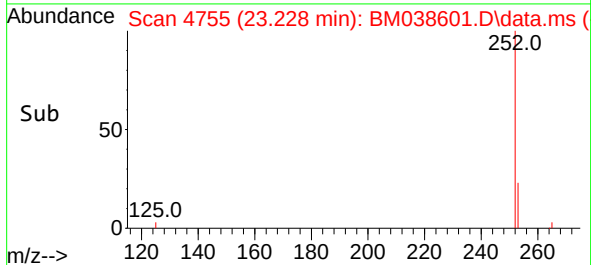
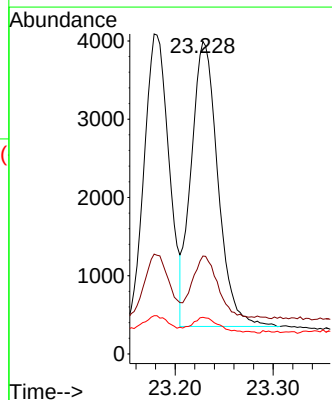
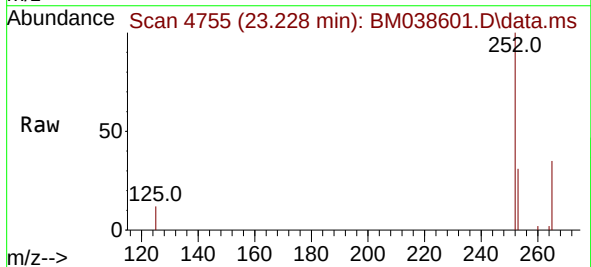
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS411

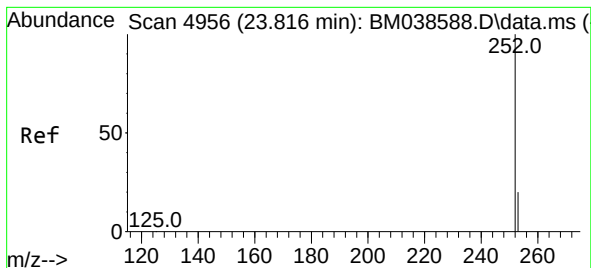
Tgt Ion:252 Resp: 6886  
Ion Ratio Lower Upper  
252 100  
253 31.2 0.0 56.6  
125 11.9 0.0 21.4



#25  
Benzo(k)fluoranthene  
Concen: 0.278 ng/ul  
RT: 23.228 min Scan# 4755  
Delta R.T. -0.012 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:252 Resp: 6905  
Ion Ratio Lower Upper  
252 100  
253 31.4 23.1 34.7  
125 11.7 8.4 12.6





#26

Benzo(a)pyrene

Concen: 0.276 ng/ul

RT: 23.813 min Scan# 4956

Delta R.T. -0.009 min

Lab File: BM038601.D

Acq: 28 Jan 2023 00:52

Instrument :

BNA\_M

ClientSampleId :

SLCS411

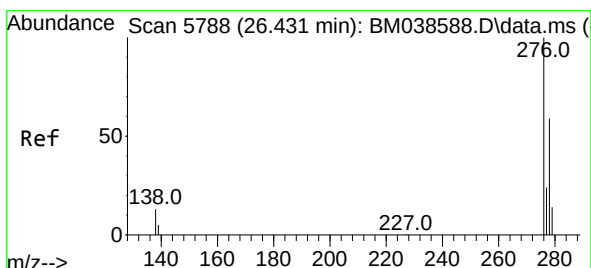
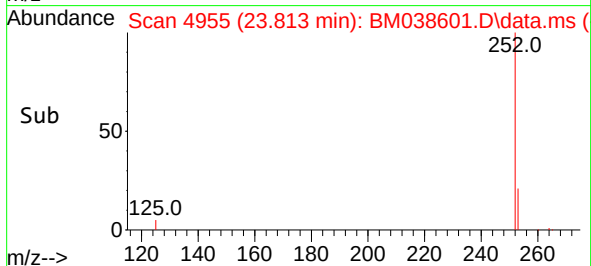
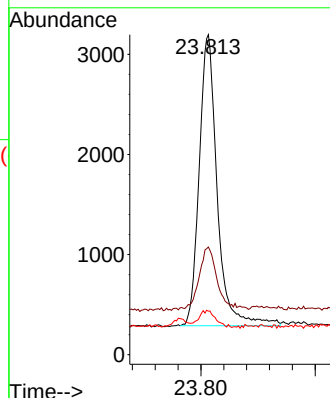
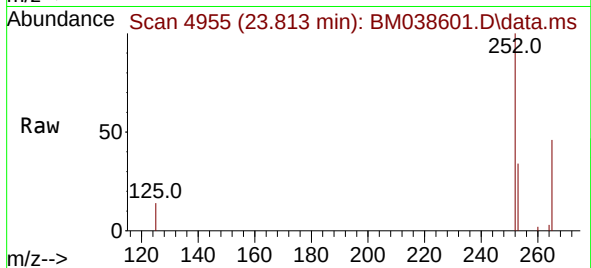
Tgt Ion:252 Resp: 6340

Ion Ratio Lower Upper

252 100

253 33.7 25.1 37.7

125 13.6 10.0 15.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.297 ng/ul

RT: 26.424 min Scan# 5786

Delta R.T. -0.017 min

Lab File: BM038601.D

Acq: 28 Jan 2023 00:52

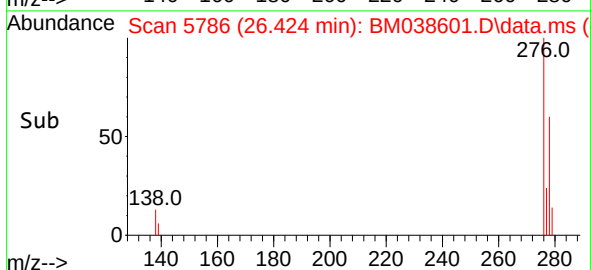
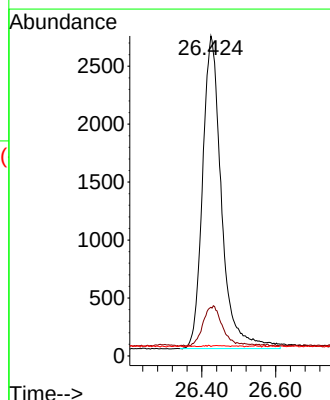
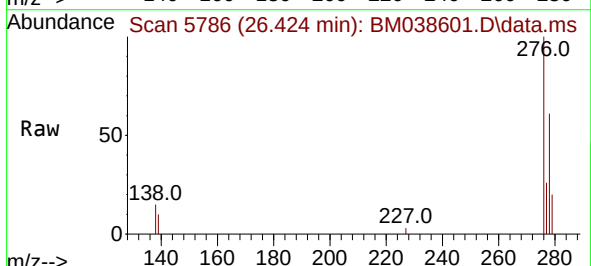
Tgt Ion:276 Resp: 9615

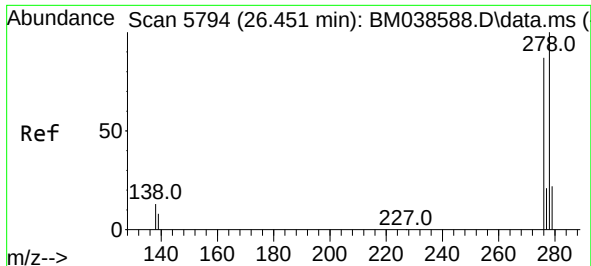
Ion Ratio Lower Upper

276 100

138 0.0 11.7 17.5#

227 0.1 0.3 0.5#



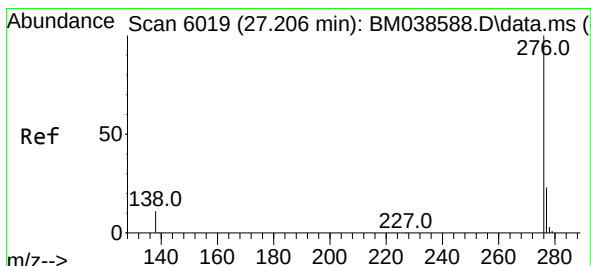
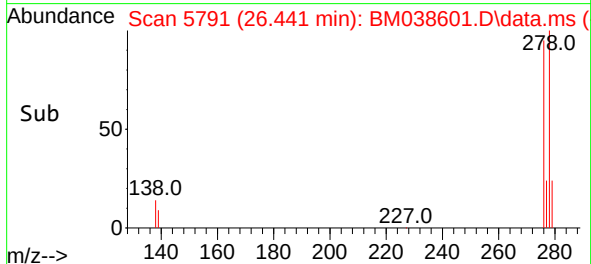
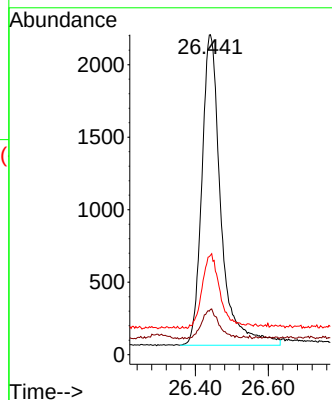
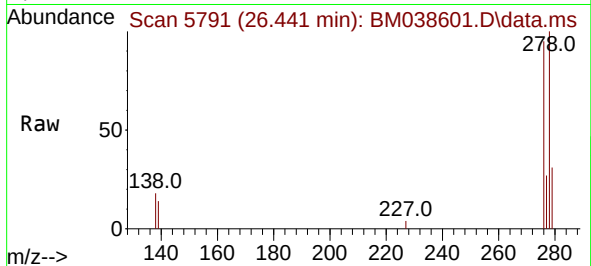


#28  
Dibenzo(a,h)anthracene  
Concen: 0.302 ng/ul  
RT: 26.441 min Scan# 5794  
Delta R.T. -0.017 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS411

Tgt Ion:278 Resp: 7770  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.2  | 9.8   | 14.8  |
| 279 | 31.0  | 23.3  | 34.9  |



#29  
Benzo(g,h,i)perylene  
Concen: 0.297 ng/ul  
RT: 27.196 min Scan# 6016  
Delta R.T. -0.024 min  
Lab File: BM038601.D  
Acq: 28 Jan 2023 00:52

Tgt Ion:276 Resp: 8354  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 14.9  | 12.6  | 19.0  |
| 277 | 26.9  | 20.5  | 30.7  |

