

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082922\  
 Data File : BM036449.D  
 Acq On : 29 Aug 2022 11:05  
 Operator : CG/JU  
 Sample : PB147281BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS281

Quant Time: Aug 29 11:34:07 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM082622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 26 14:26:34 2022  
 Response via : Initial Calibration

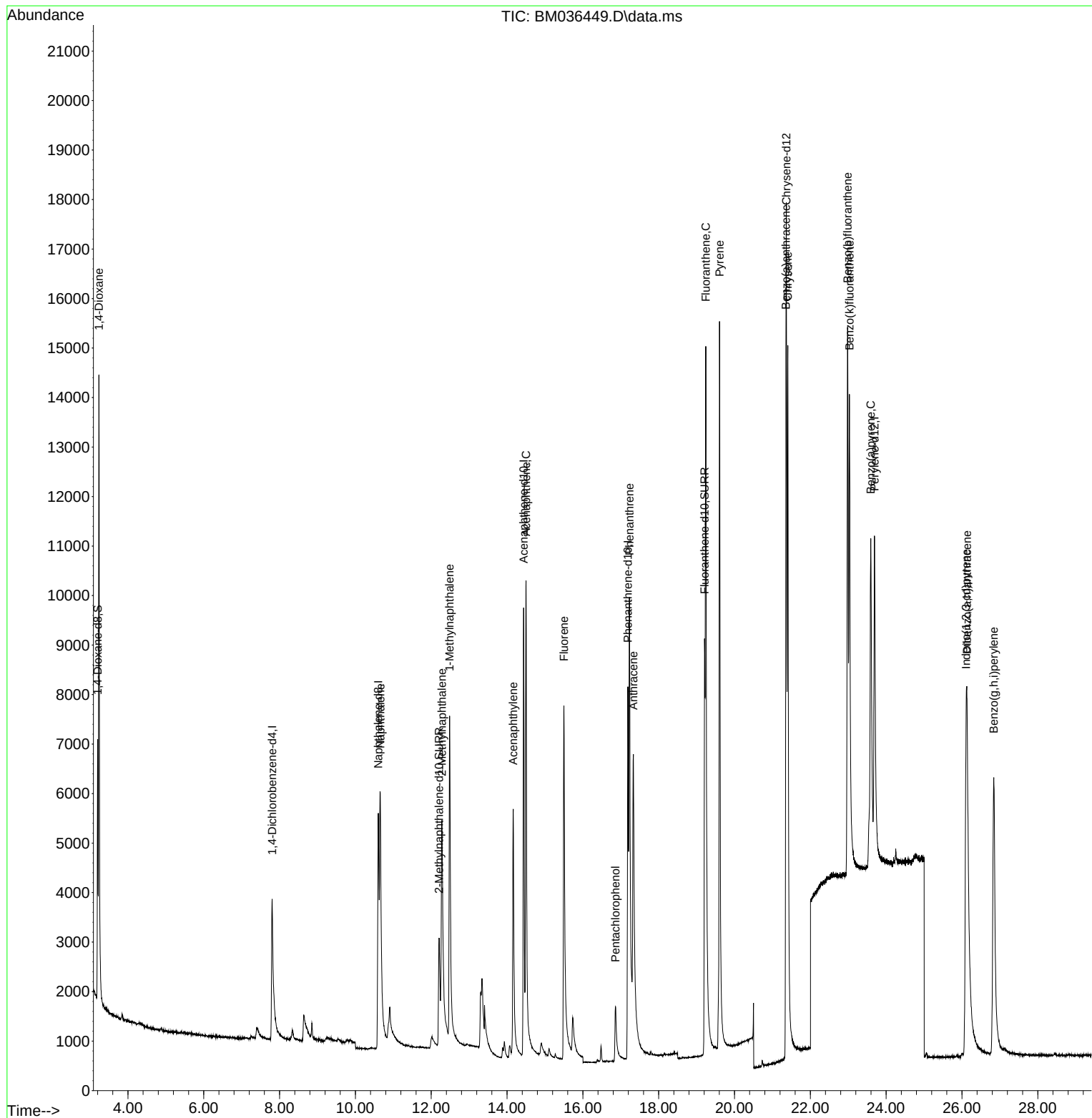
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.804  | 152  | 2995     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.606 | 136  | 12536    | 0.400 | ng/ul  | 0.01     |
| 9) Acenaphthene-d10         | 14.436 | 164  | 6299     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.187 | 188  | 13291    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.368 | 240  | 12716    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.692 | 264  | 10963    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.201  | 96   | 3299     | 0.818 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.206 | 152  | 6164     | 0.308 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 19.210 | 212  | 13326    | 0.848 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.234  | 88   | 8241     | 2.164 | ng/ul# | 79       |
| 5) Naphthalene              | 10.655 | 128  | 11183    | 0.317 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.283 | 142  | 6568     | 0.310 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.486 | 142  | 6798     | 0.316 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.163 | 152  | 9318     | 0.357 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.501 | 153  | 7328     | 0.348 | ng/ul  | 99       |
| 12) Fluorene                | 15.500 | 166  | 8301     | 0.336 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.862 | 266  | 1488     | 0.566 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.229 | 178  | 13760    | 0.290 | ng/ul  | 99       |
| 16) Anthracene              | 17.330 | 178  | 11856    | 0.314 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.243 | 202  | 16379    | 0.368 | ng/ul  | 99       |
| 20) Pyrene                  | 19.605 | 202  | 17245    | 0.374 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.357 | 228  | 12485    | 0.237 | ng/ul  | 99       |
| 22) Chrysene                | 21.406 | 228  | 16222    | 0.224 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.982 | 252  | 15929    | 0.200 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.031 | 252  | 15492    | 0.193 | ng/ul  | 94       |
| 26) Benzo(a)pyrene          | 23.593 | 252  | 14505    | 0.288 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.108 | 276  | 16694    | 0.438 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.132 | 278  | 13105    | 0.405 | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 26.839 | 276  | 16136    | 0.467 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

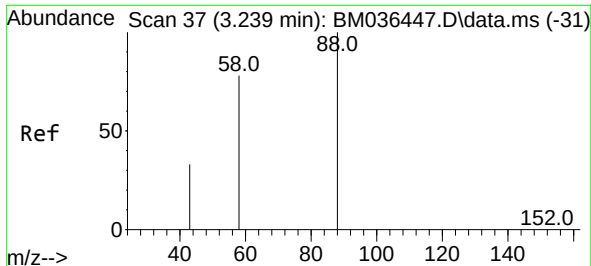
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082922\  
Data File : BM036449.D  
Acq On : 29 Aug 2022 11:05  
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Quant Time: Aug 29 11:34:07 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM082622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 26 14:26:34 2022  
Response via : Initial Calibration

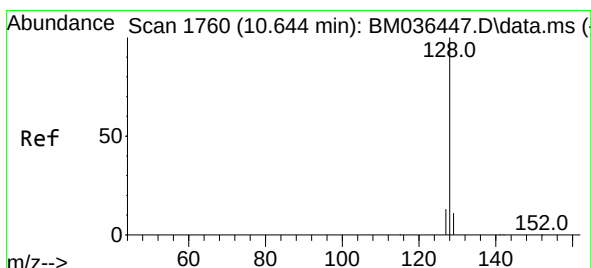
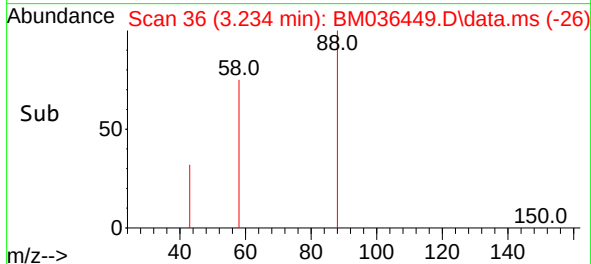
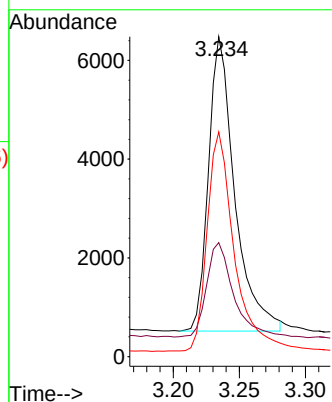
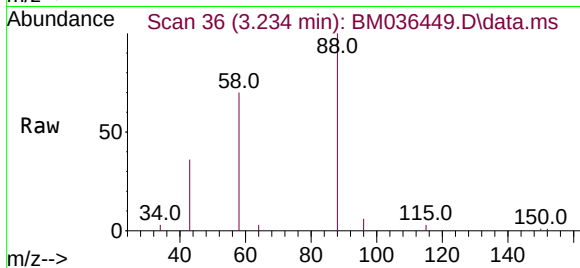




#2  
1,4-Dioxane  
Concen: 2.164 ng/ul  
RT: 3.234 min Scan# 30  
Delta R.T. -0.008 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

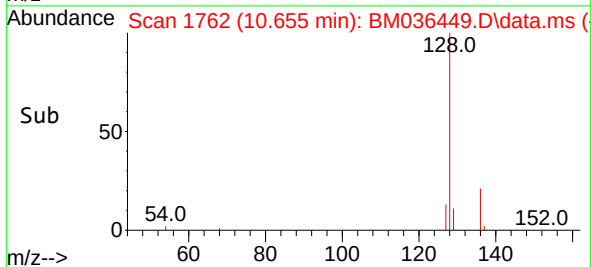
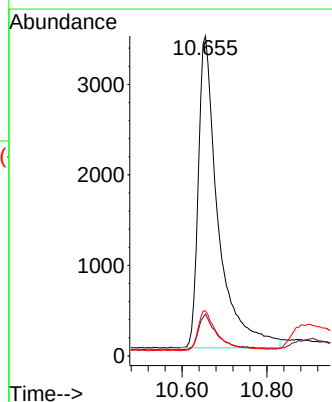
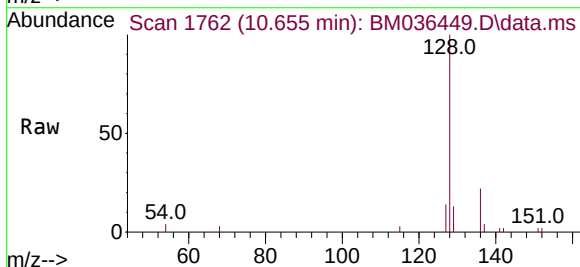
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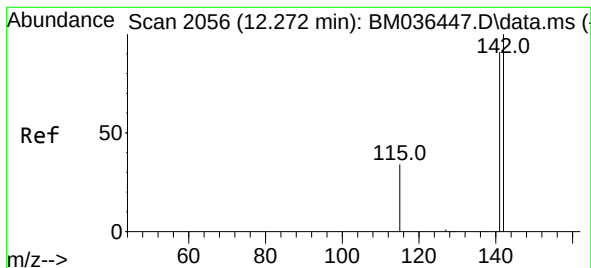
Tgt Ion: 88 Resp: 8241  
Ion Ratio Lower Upper  
88 100  
43 35.6 37.8 56.6#  
58 70.2 42.6 63.8#



#5  
Naphthalene  
Concen: 0.317 ng/ul  
RT: 10.655 min Scan# 1762  
Delta R.T. 0.011 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Tgt Ion: 128 Resp: 11183  
Ion Ratio Lower Upper  
128 100  
129 13.1 10.2 15.2  
127 14.1 11.7 17.5





#7

2-Methylnaphthalene

Concen: 0.310 ng/ul

RT: 12.283 min Scan# 2056

Delta R.T. 0.022 min

Lab File: BM036449.D

Acq: 29 Aug 2022 11:05

Instrument :

BNA\_M

ClientSampleId :

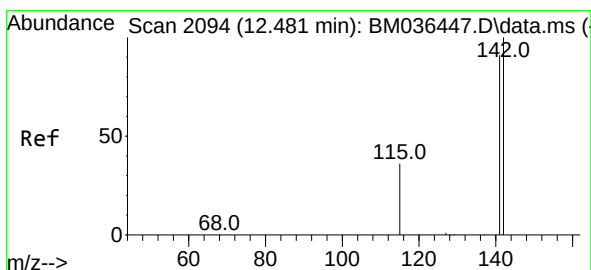
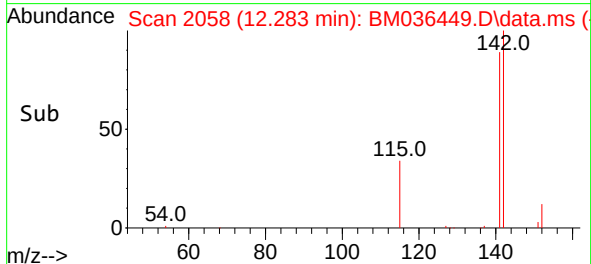
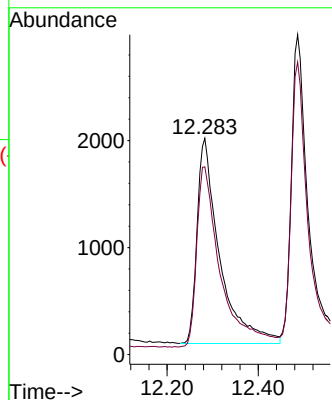
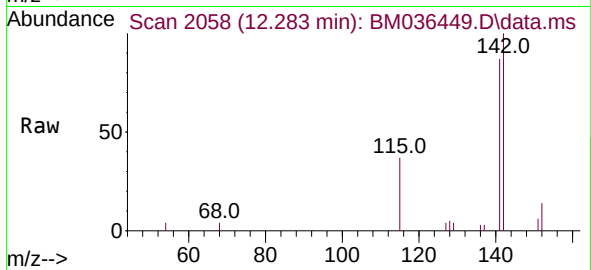
SLCS281

Tgt Ion:142 Resp: 6568

Ion Ratio Lower Upper

142 100

141 93.1 77.4 116.0



#8

1-Methylnaphthalene

Concen: 0.316 ng/ul

RT: 12.486 min Scan# 2095

Delta R.T. 0.011 min

Lab File: BM036449.D

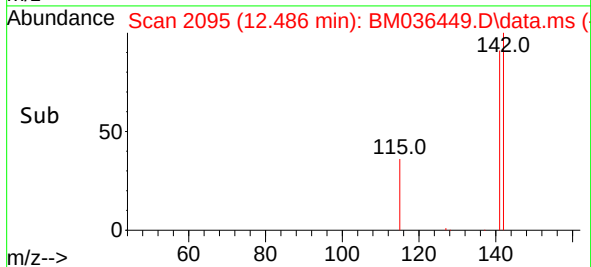
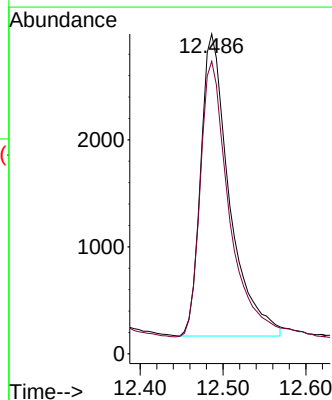
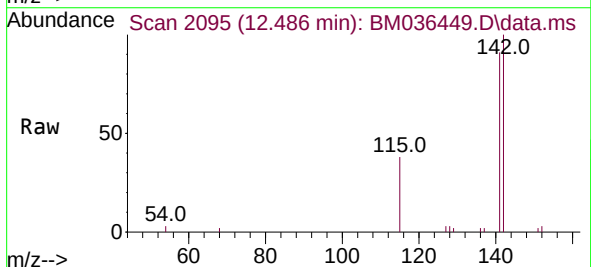
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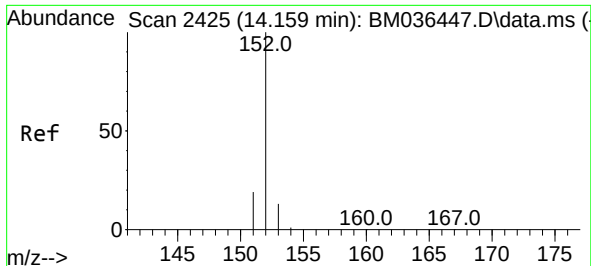
Tgt Ion:142 Resp: 6798

Ion Ratio Lower Upper

142 100

141 91.3 74.1 111.1

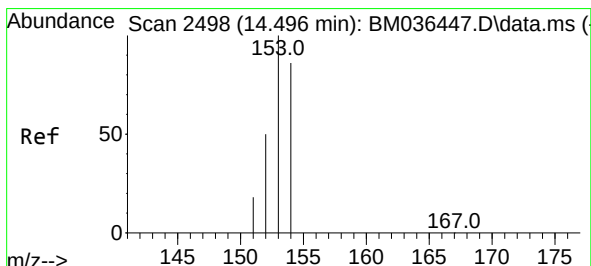
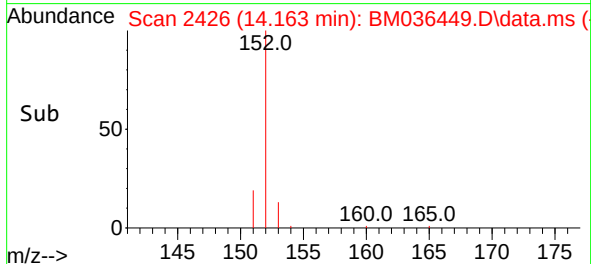
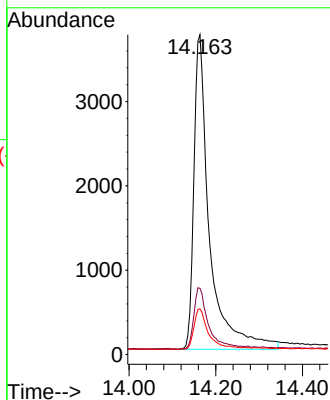
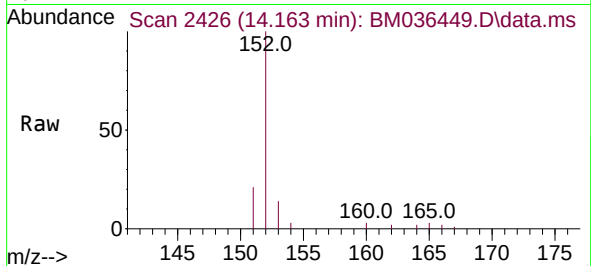




#10  
Acenaphthylene  
Concen: 0.357 ng/ul  
RT: 14.163 min Scan# 2426  
Delta R.T. 0.005 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

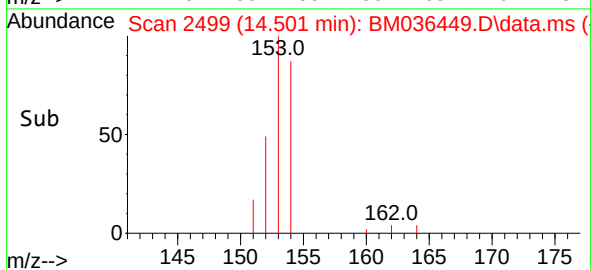
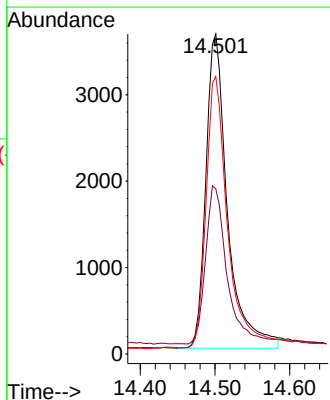
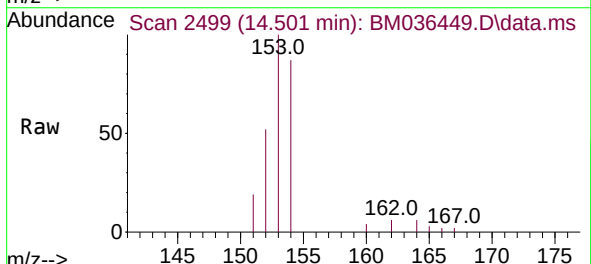
Instrument :  
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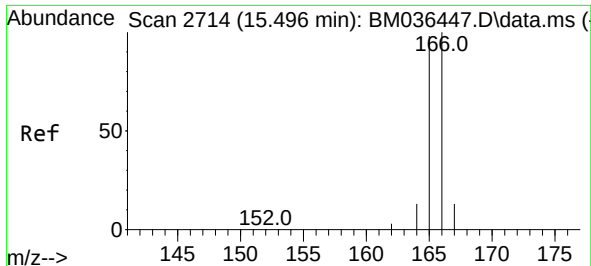
Tgt Ion:152 Resp: 9318  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.6 24.8  
153 14.3 11.4 17.0



#11  
Acenaphthene  
Concen: 0.348 ng/ul  
RT: 14.501 min Scan# 2499  
Delta R.T. 0.005 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Tgt Ion:153 Resp: 7328  
Ion Ratio Lower Upper  
153 100  
152 51.6 40.2 60.4  
154 86.7 69.7 104.5

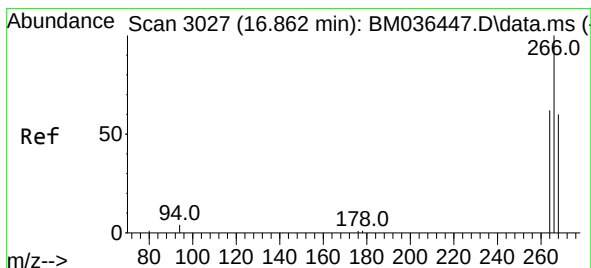
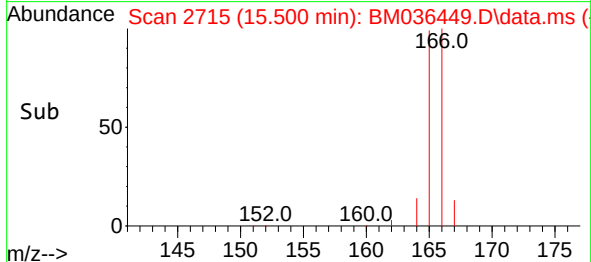
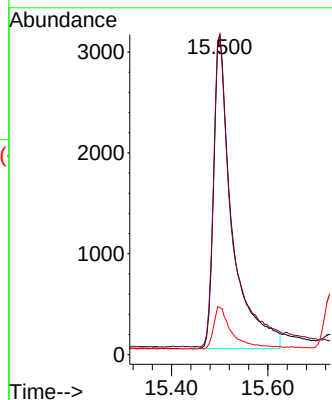
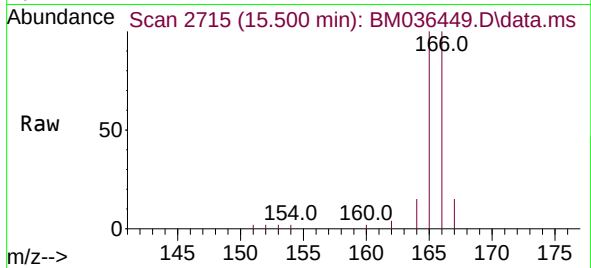




#12  
Fluorene  
Concen: 0.336 ng/ul  
RT: 15.500 min Scan# 2715  
Delta R.T. 0.014 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

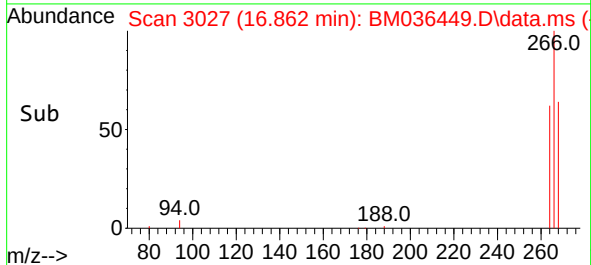
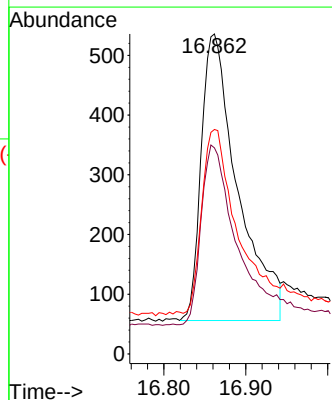
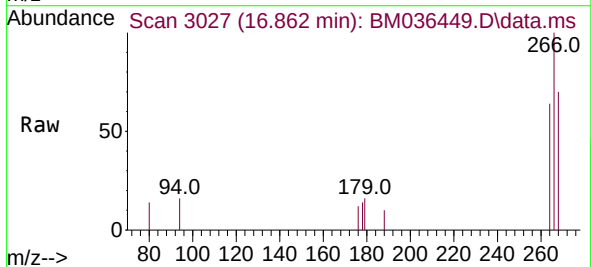
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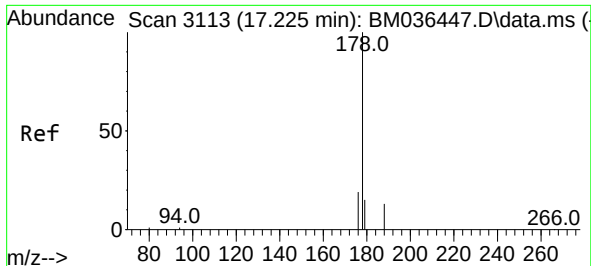
Tgt Ion:166 Resp: 8301  
Ion Ratio Lower Upper  
166 100  
165 99.9 78.9 118.3  
167 14.7 11.3 16.9



#14  
Pentachlorophenol  
Concen: 0.566 ng/ul  
RT: 16.862 min Scan# 3027  
Delta R.T. 0.013 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Tgt Ion:266 Resp: 1488  
Ion Ratio Lower Upper  
266 100  
264 61.8 50.3 75.5  
268 63.2 53.5 80.3

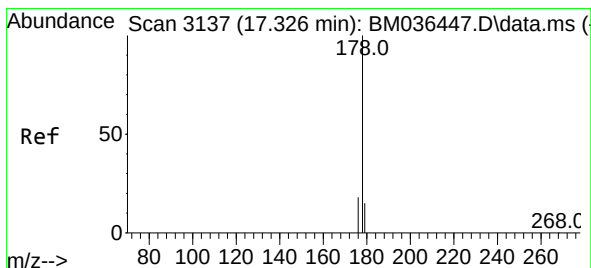
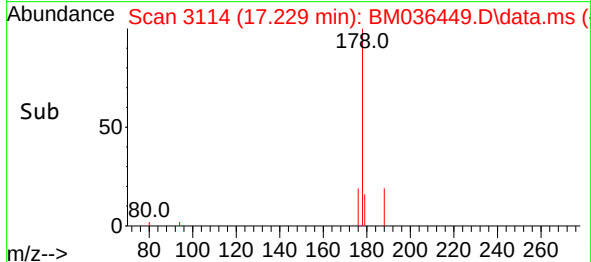
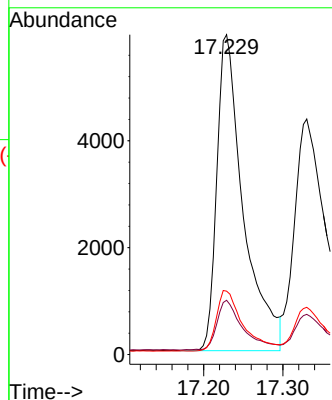
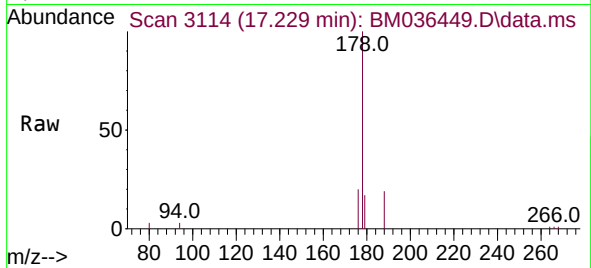




#15  
Phenanthrene  
Concen: 0.290 ng/ul  
RT: 17.229 min Scan# 3113  
Delta R.T. 0.008 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

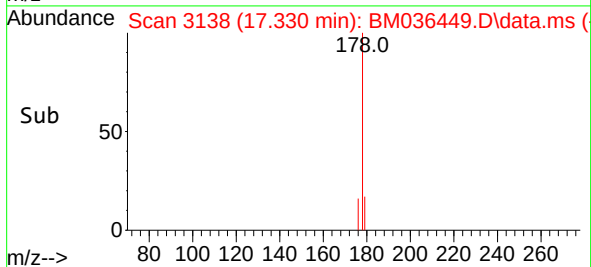
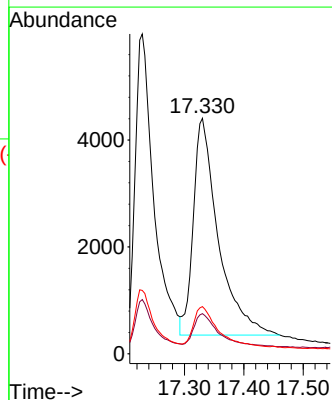
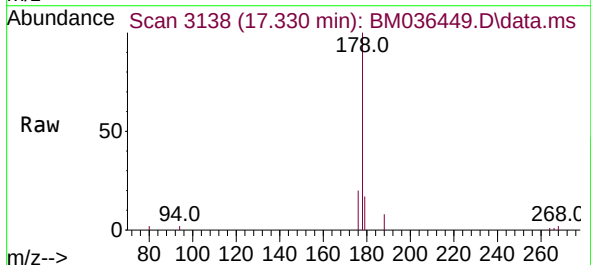
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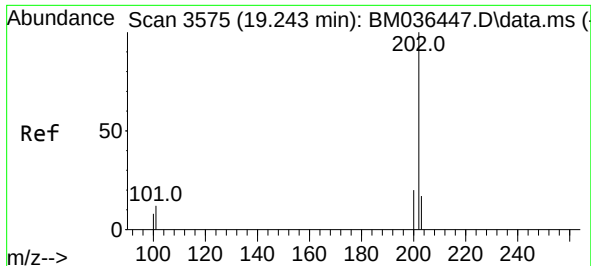
Tgt Ion:178 Resp: 13760  
Ion Ratio Lower Upper  
178 100  
179 17.0 13.0 19.6  
176 19.8 15.6 23.4



#16  
Anthracene  
Concen: 0.314 ng/ul  
RT: 17.330 min Scan# 3138  
Delta R.T. 0.013 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Tgt Ion:178 Resp: 11856  
Ion Ratio Lower Upper  
178 100  
179 17.1 13.6 20.4  
176 20.0 15.6 23.4

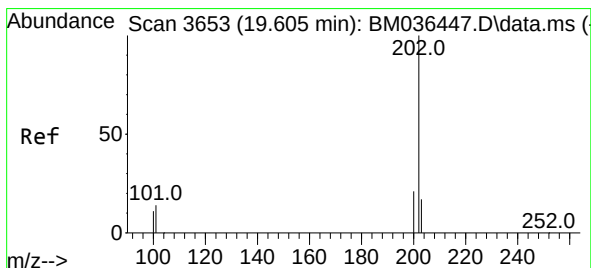
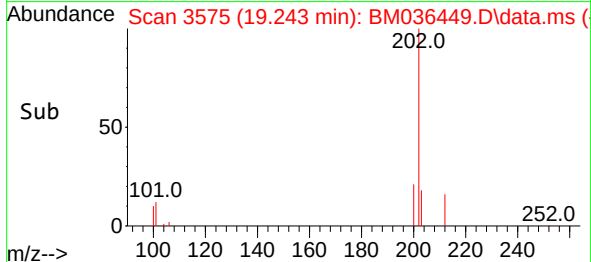
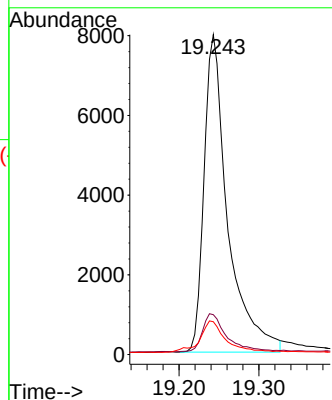
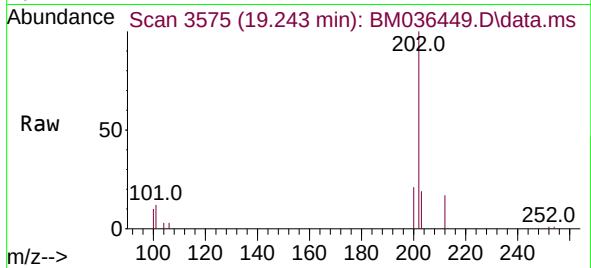




#19  
Fluoranthene  
Concen: 0.368 ng/ul  
RT: 19.243 min Scan# 3575  
Delta R.T. 0.005 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

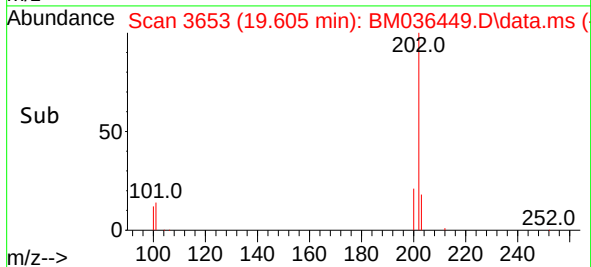
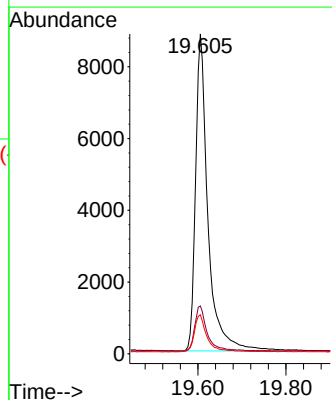
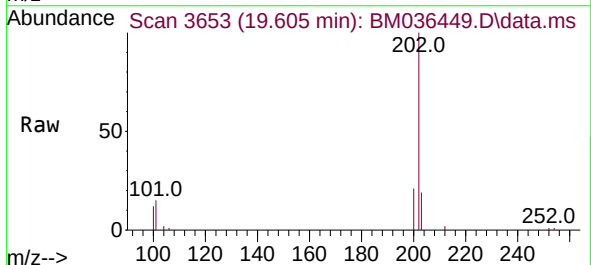
Instrument :  
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Tgt Ion:202 Resp: 16379  
Ion Ratio Lower Upper  
202 100  
101 12.5 10.1 15.1  
100 10.3 7.9 11.9

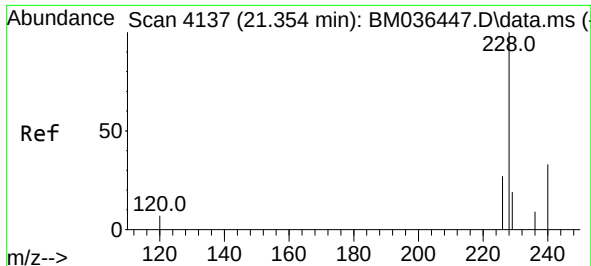


#20  
Pyrene  
Concen: 0.374 ng/ul  
RT: 19.605 min Scan# 3653  
Delta R.T. 0.005 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Tgt Ion:202 Resp: 17245  
Ion Ratio Lower Upper  
202 100  
101 15.0 12.0 18.0  
100 12.2 9.8 14.6



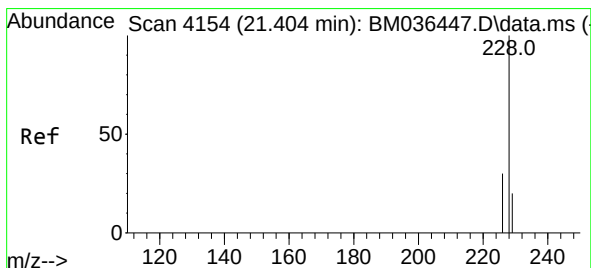
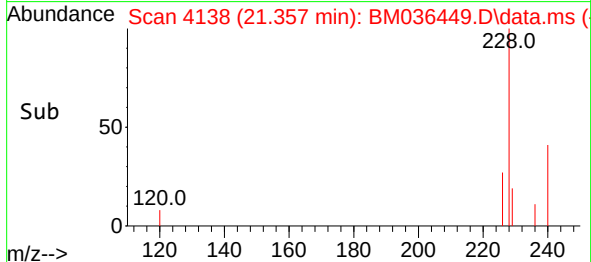
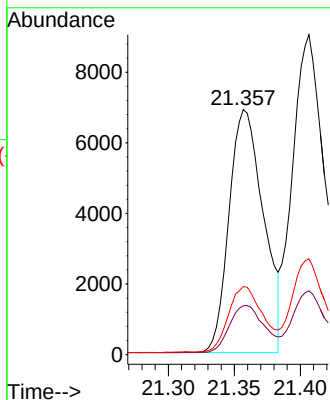
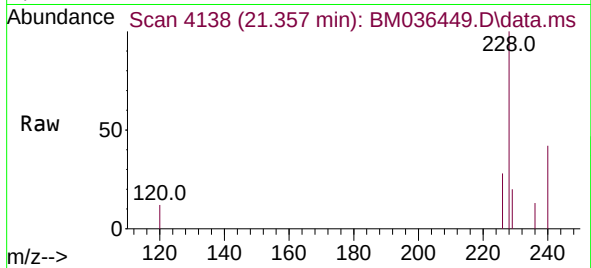




#21  
Benzo(a)anthracene  
Concen: 0.237 ng/ul  
RT: 21.357 min Scan# 4137  
Delta R.T. 0.012 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

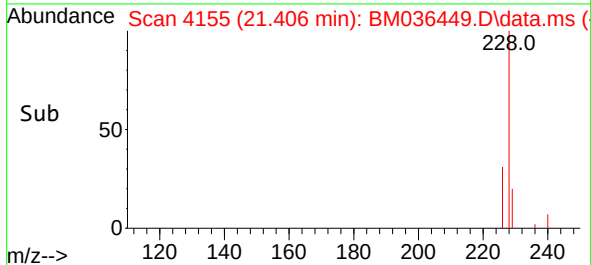
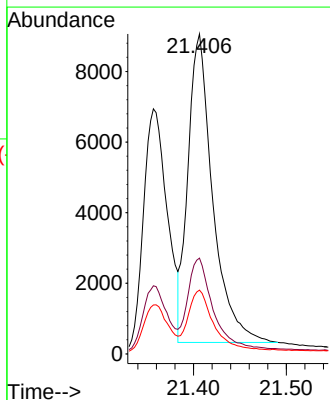
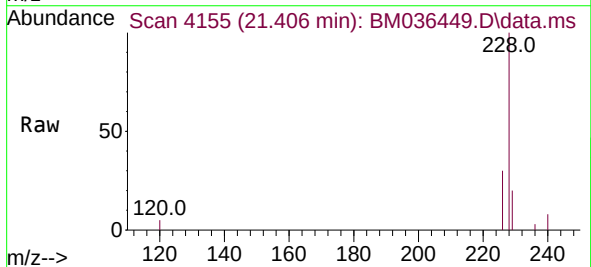
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS281

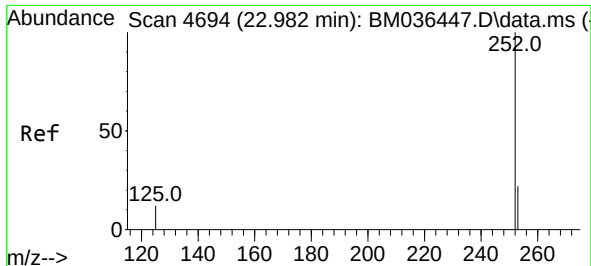
Tgt Ion:228 Resp: 12485  
Ion Ratio Lower Upper  
228 100  
229 19.9 16.2 24.2  
226 27.8 22.5 33.7



#22  
Chrysene  
Concen: 0.224 ng/ul  
RT: 21.406 min Scan# 4155  
Delta R.T. 0.009 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

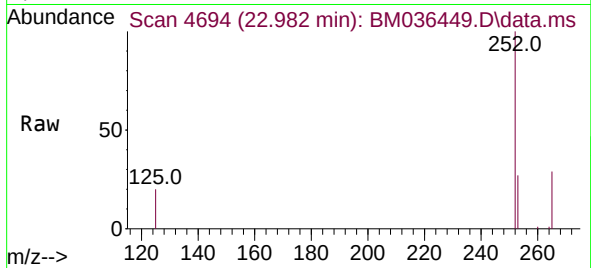
Tgt Ion:228 Resp: 16222  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.6 37.0  
229 19.9 16.4 24.6



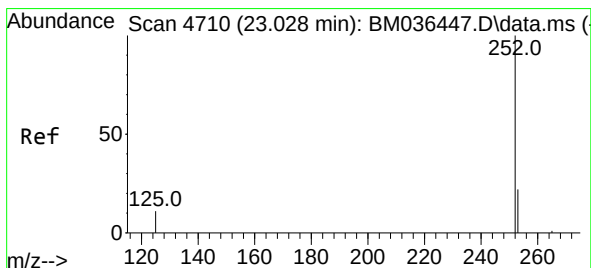
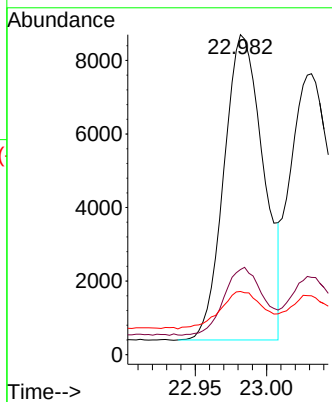


#24  
Benzo(b)fluoranthene  
Concen: 0.200 ng/ul  
RT: 22.982 min Scan# 4694  
Delta R.T. 0.003 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS281

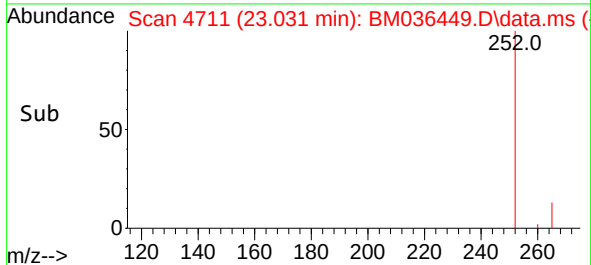
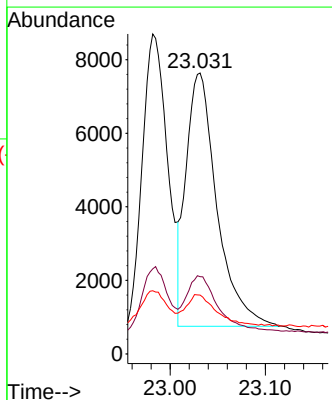
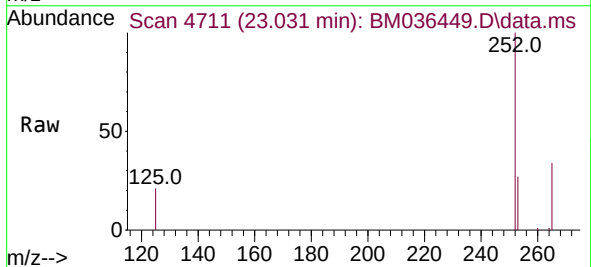


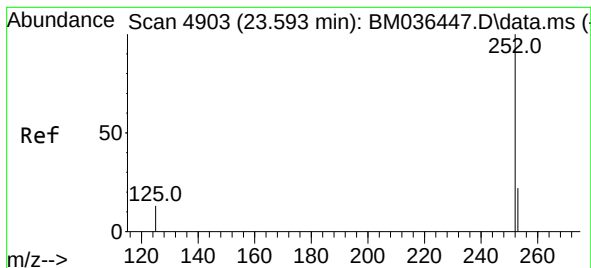
Tgt Ion:252 Resp: 15929  
Ion Ratio Lower Upper  
252 100  
253 26.6 0.0 61.4  
125 19.7 0.0 42.6



#25  
Benzo(k)fluoranthene  
Concen: 0.193 ng/ul  
RT: 23.031 min Scan# 4711  
Delta R.T. 0.006 min  
Lab File: BM036449.D  
Acq: 29 Aug 2022 11:05

Tgt Ion:252 Resp: 15492  
Ion Ratio Lower Upper  
252 100  
253 27.5 25.2 37.8  
125 20.9 18.3 27.5





#26

Benzo(a)pyrene

Concen: 0.288 ng/ul

RT: 23.593 min Scan# 4903

Delta R.T. 0.003 min

Lab File: BM036449.D

Acq: 29 Aug 2022 11:05

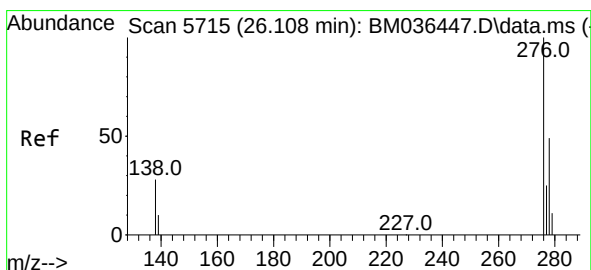
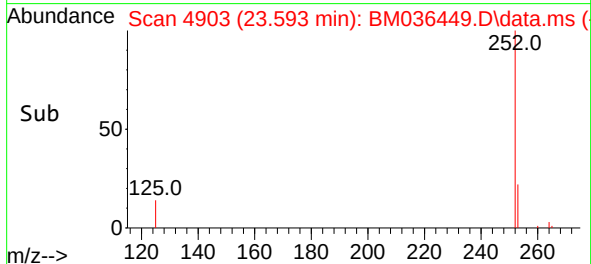
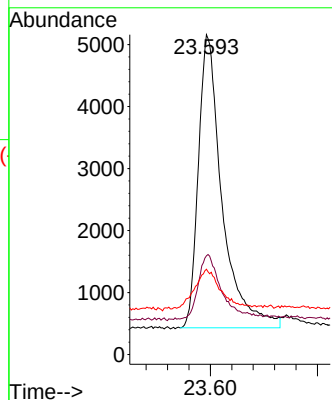
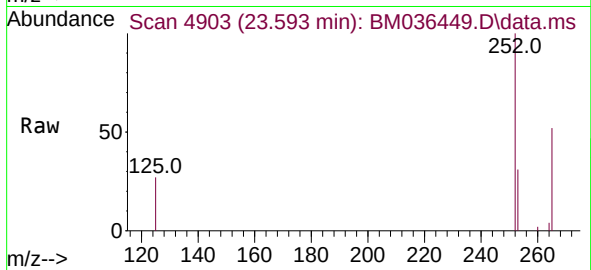
Instrument :

BNA\_M

ClientSampleId :

SLCS281

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 14505 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 30.9  | 29.7  | 44.5  |
| 125       | 26.7  | 23.6  | 35.4  |



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng/ul

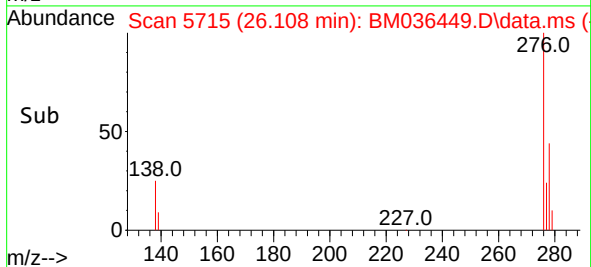
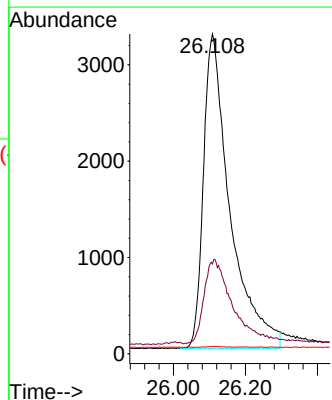
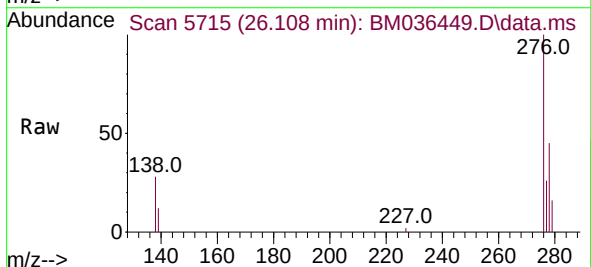
RT: 26.108 min Scan# 5715

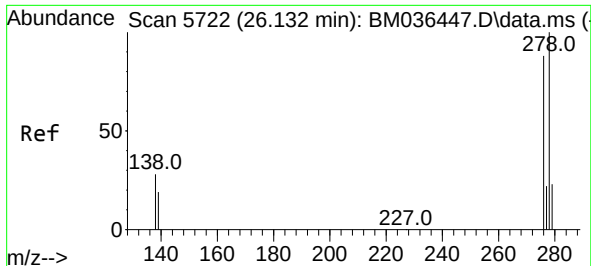
Delta R.T. 0.004 min

Lab File: BM036449.D

Acq: 29 Aug 2022 11:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 16694 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 29.1  | 23.9  | 35.9  |
| 227       | 0.2   | 0.1   | 0.1   |





#28

Dibenzo(a,h)anthracene

Concen: 0.405 ng/ul

RT: 26.132 min Scan# 51

Delta R.T. 0.010 min

Lab File: BM036449.D

Acq: 29 Aug 2022 11:05

Instrument :

BNA\_M

ClientSampleId :

SLCS281

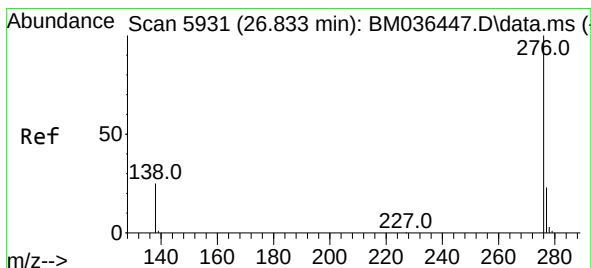
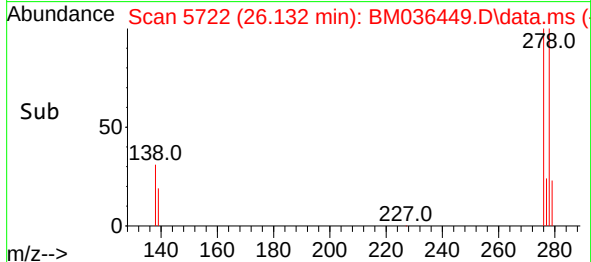
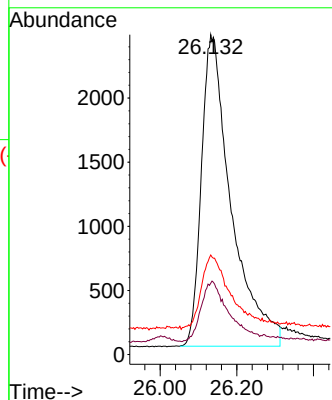
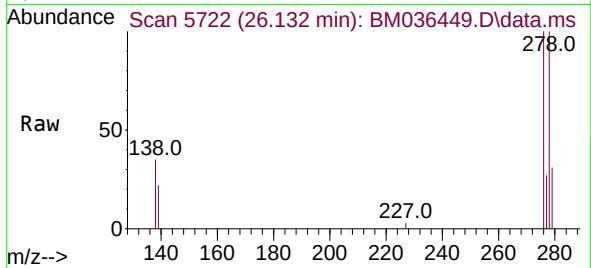
Tgt Ion:278 Resp: 13105

Ion Ratio Lower Upper

278 100

139 22.3 19.8 29.6

279 31.1 27.7 41.5



#29

Benzo(g,h,i)perylene

Concen: 0.467 ng/ul

RT: 26.839 min Scan# 5933

Delta R.T. 0.000 min

Lab File: BM036449.D

Acq: 29 Aug 2022 11:05

Tgt Ion:276 Resp: 16136

Ion Ratio Lower Upper

276 100

138 27.7 23.4 35.0

277 25.7 21.0 31.4

