

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072423\  
 Data File : BM041123.D  
 Acq On : 26 Jul 2023 02:21  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 68 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD0.4198

Quant Time: Jul 26 04:42:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 04:20:13 2023  
 Response via : Initial Calibration

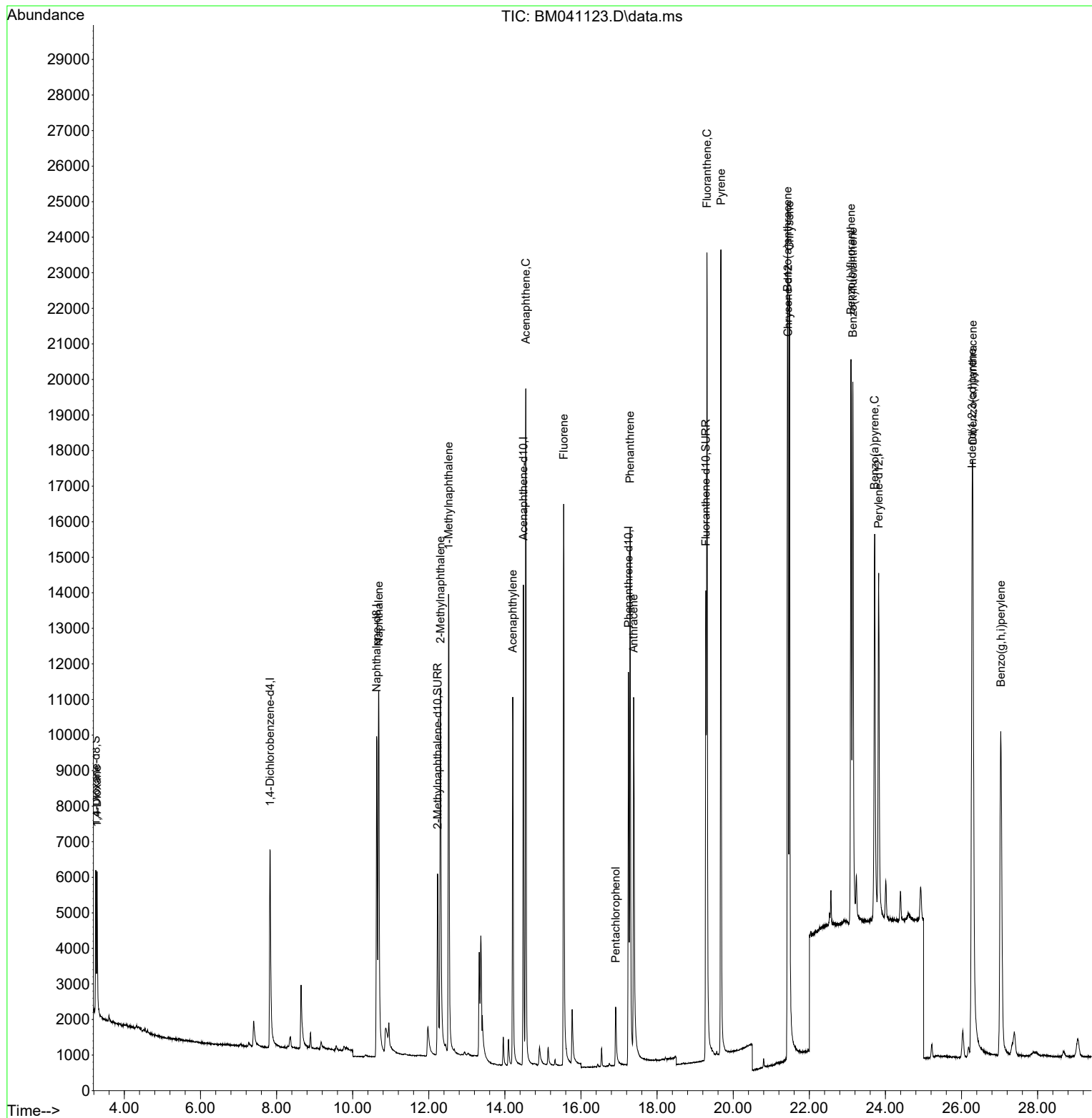
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.832  | 152  | 4343     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.631 | 136  | 15259    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.486 | 164  | 7758     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.248 | 188  | 14720    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.442 | 240  | 13824    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.822 | 264  | 14722    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.250  | 96   | 2474     | 0.369 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.231 | 152  | 9179     | 0.421 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.283 | 212  | 16933    | 0.450 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.284  | 88   | 2547     | 0.372 | ng/ul# | 54       |
| 5) Naphthalene              | 10.686 | 128  | 17274    | 0.348 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.308 | 142  | 10211    | 0.420 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.522 | 142  | 10424    | 0.417 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.208 | 152  | 13745    | 0.419 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.550 | 153  | 11378    | 0.411 | ng/ul  | 99       |
| 12) Fluorene                | 15.545 | 166  | 12031    | 0.399 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.911 | 266  | 1620     | 0.378 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.291 | 178  | 17993    | 0.397 | ng/ul  | 99       |
| 16) Anthracene              | 17.384 | 178  | 15026    | 0.409 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.310 | 202  | 21084    | 0.426 | ng/ul  | 100      |
| 20) Pyrene                  | 19.678 | 202  | 22607    | 0.414 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.428 | 228  | 19831    | 0.429 | ng/ul  | 99       |
| 22) Chrysene                | 21.477 | 228  | 20778    | 0.389 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.097 | 252  | 21910    | 0.374 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.143 | 252  | 21202    | 0.379 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.716 | 252  | 19178    | 0.404 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.277 | 276  | 26888    | 0.382 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.297 | 278  | 21305    | 0.386 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.031 | 276  | 23180    | 0.369 | ng/ul  | 98       |

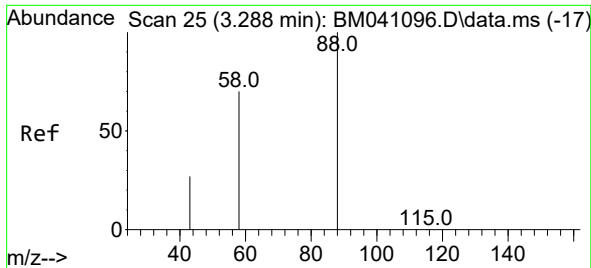
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072423\  
Data File : BM041123.D  
Acq On : 26 Jul 2023 02:21  
Operator : MA/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 68 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

Quant Time: Jul 26 04:42:53 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 26 04:20:13 2023  
Response via : Initial Calibration

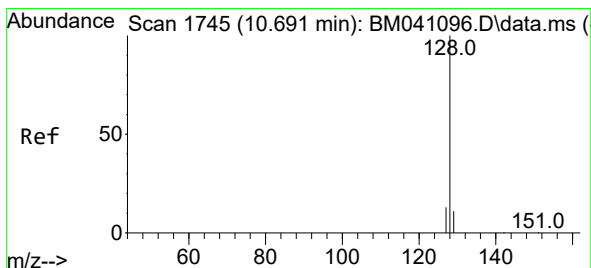
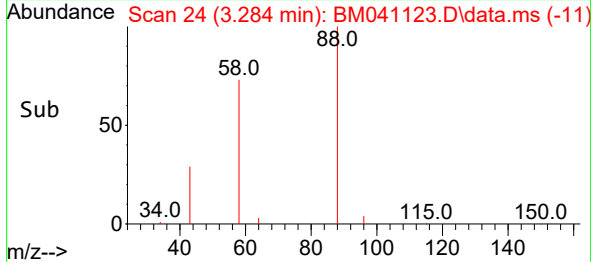
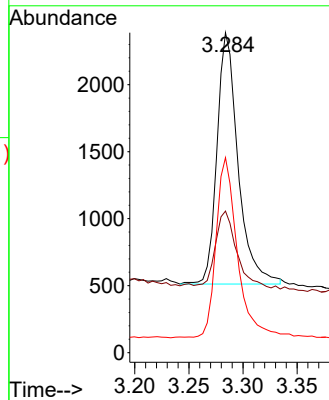
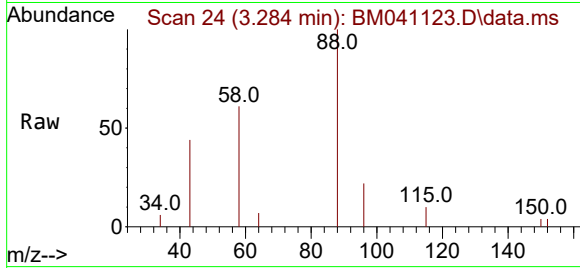




#2  
1,4-Dioxane  
Concen: 0.372 ng/ul  
RT: 3.284 min Scan# 24  
Delta R.T. -0.004 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

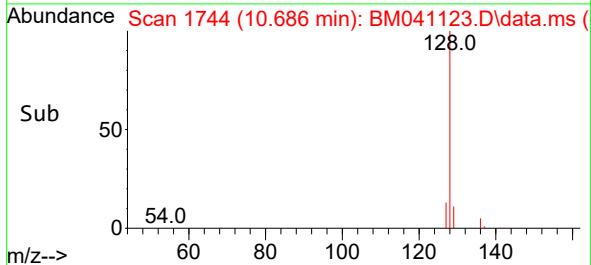
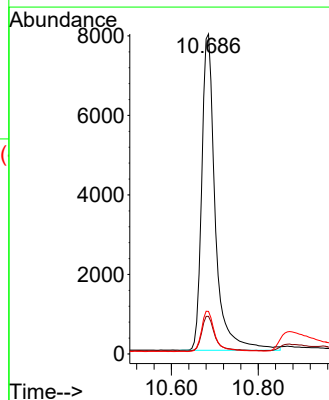
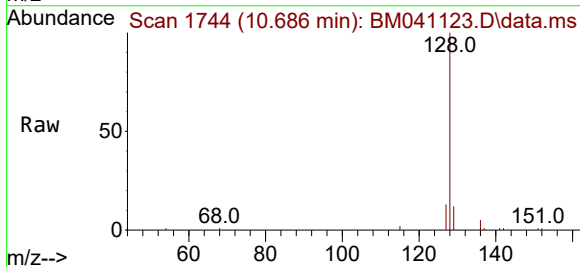
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

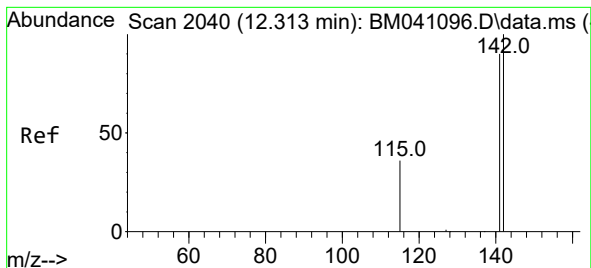
Tgt Ion: 88 Resp: 2547  
Ion Ratio Lower Upper  
88 100  
43 44.2 83.1 124.7#  
58 60.9 38.8 58.2#



#5  
Naphthalene  
Concen: 0.348 ng/ul  
RT: 10.686 min Scan# 1744  
Delta R.T. -0.006 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion: 128 Resp: 17274  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.8 14.8  
127 13.3 11.1 16.7

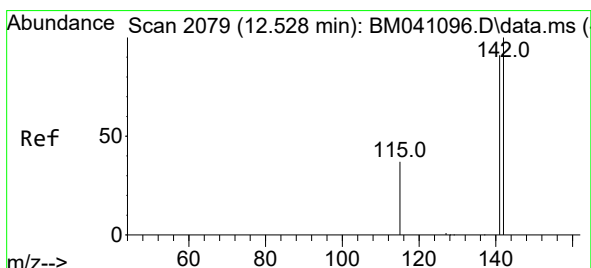
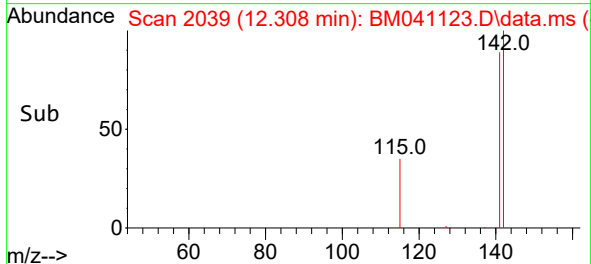
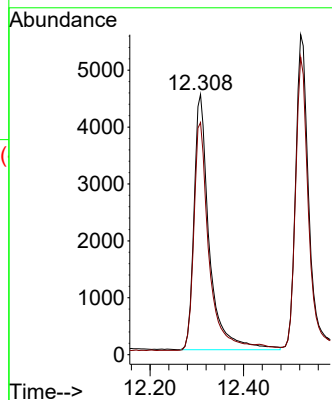
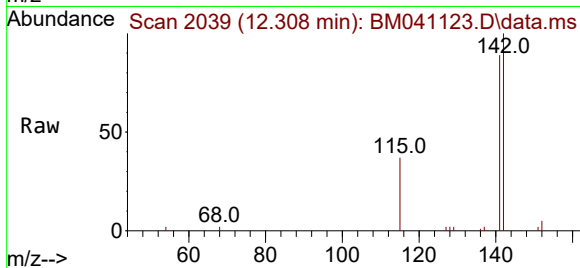




#7  
2-Methylnaphthalene  
Concen: 0.420 ng/ul  
RT: 12.308 min Scan# 2040  
Delta R.T. -0.006 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

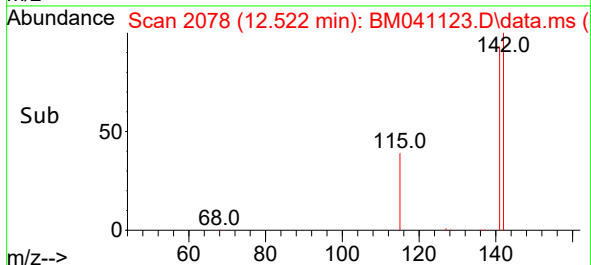
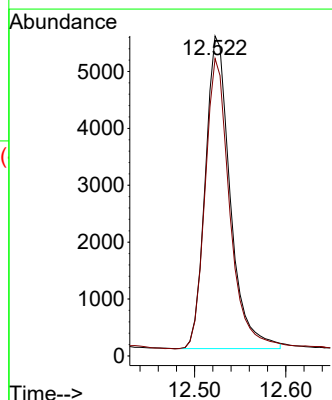
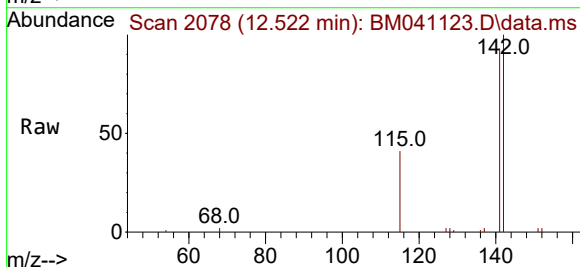
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

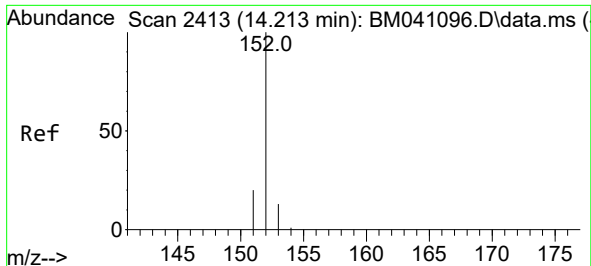
Tgt Ion:142 Resp: 10211  
Ion Ratio Lower Upper  
142 100  
141 90.7 73.3 109.9



#8  
1-Methylnaphthalene  
Concen: 0.417 ng/ul  
RT: 12.522 min Scan# 2078  
Delta R.T. -0.006 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:142 Resp: 10424  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.6 110.4

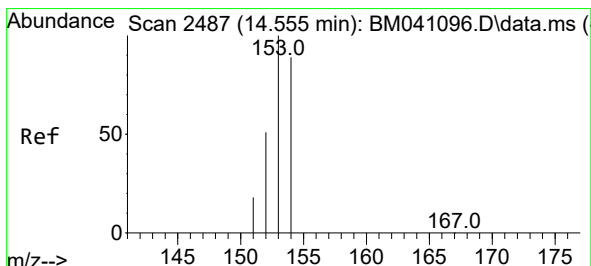
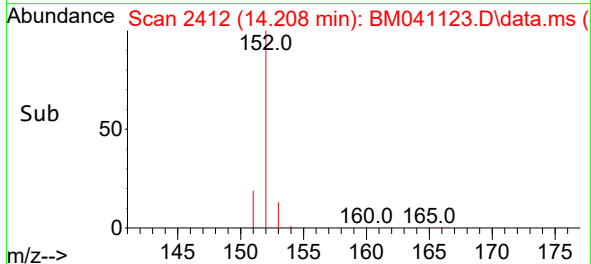
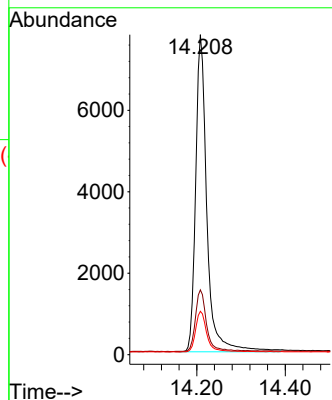
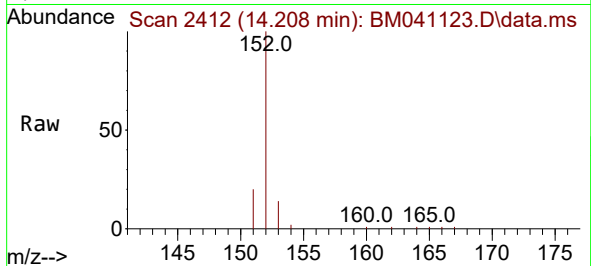




#10  
Acenaphthylene  
Concen: 0.419 ng/ul  
RT: 14.208 min Scan# 2412  
Delta R.T. -0.005 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

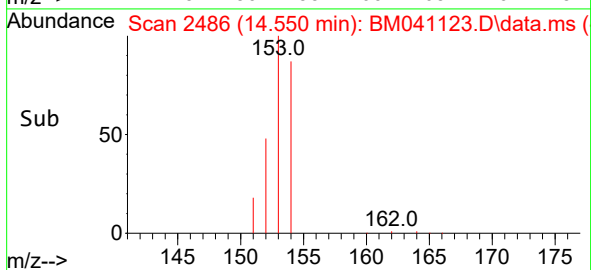
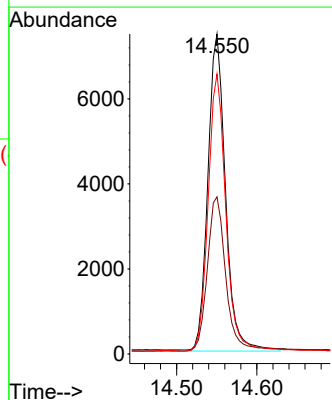
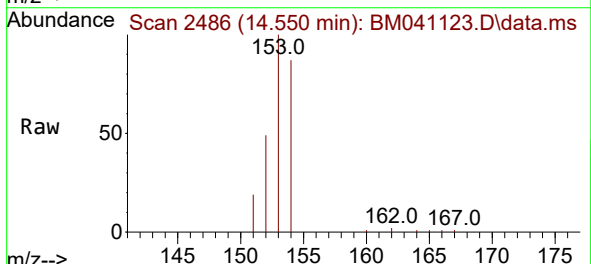
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

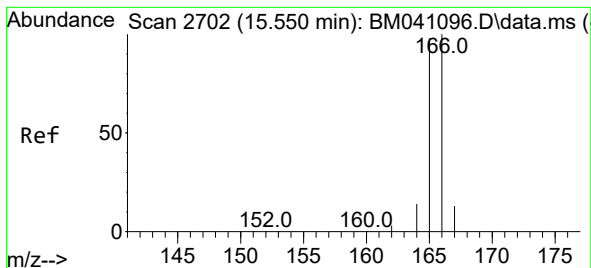
Tgt Ion:152 Resp: 13745  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.8 25.2  
153 13.5 11.4 17.2



#11  
Acenaphthene  
Concen: 0.411 ng/ul  
RT: 14.550 min Scan# 2486  
Delta R.T. -0.005 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:153 Resp: 11378  
Ion Ratio Lower Upper  
153 100  
152 49.1 40.2 60.4  
154 87.5 70.3 105.5





#12

Fluorene

Concen: 0.399 ng/ul

RT: 15.545 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM041123.D

Acq: 26 Jul 2023 02:21

Instrument :

BNA\_P

ClientSampleId :

SSTD0.4198

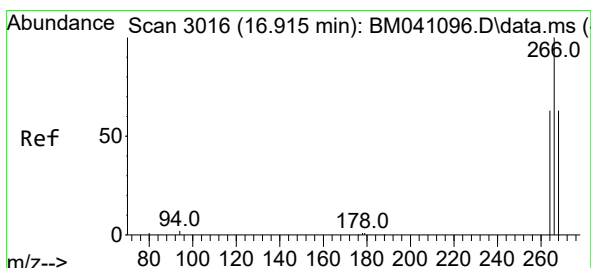
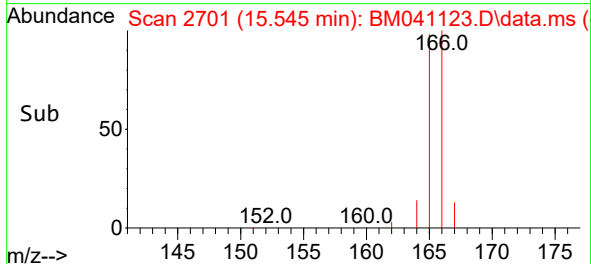
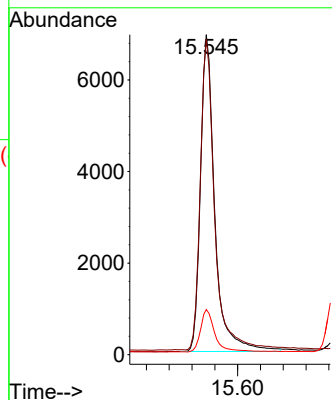
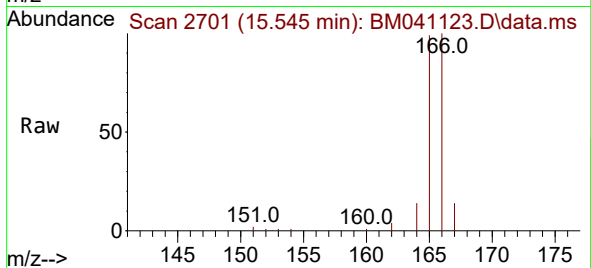
Tgt Ion:166 Resp: 12031

Ion Ratio Lower Upper

166 100

165 98.6 79.4 119.0

167 14.1 11.4 17.2



#14

Pentachlorophenol

Concen: 0.378 ng/ul

RT: 16.911 min Scan# 3015

Delta R.T. -0.004 min

Lab File: BM041123.D

Acq: 26 Jul 2023 02:21

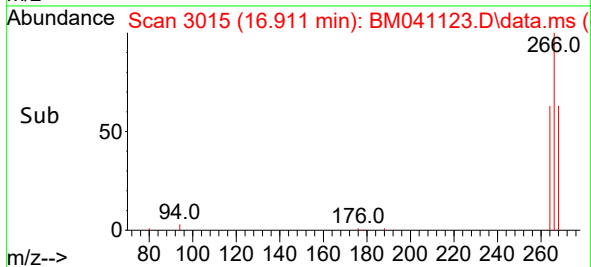
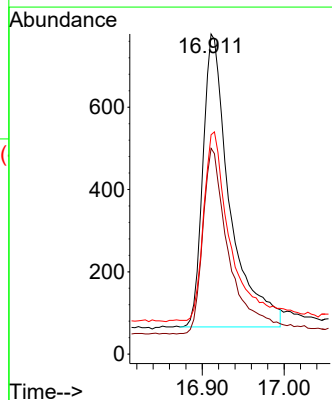
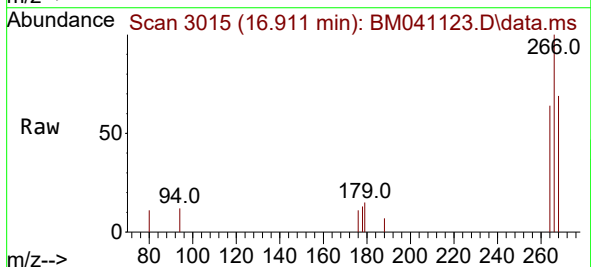
Tgt Ion:266 Resp: 1620

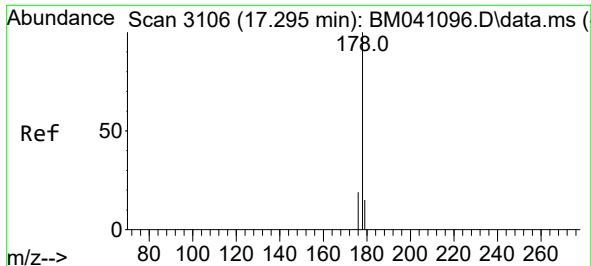
Ion Ratio Lower Upper

266 100

264 62.2 49.2 73.8

268 62.5 49.9 74.9

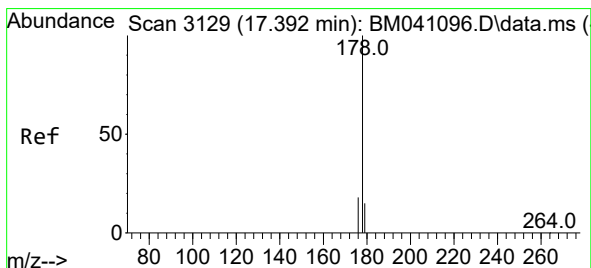
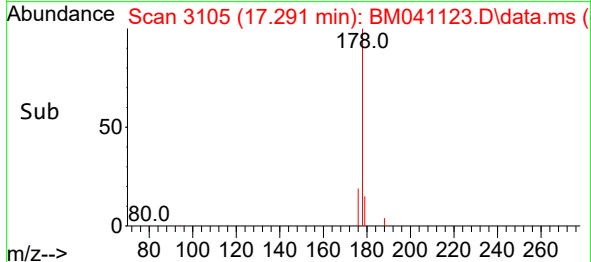
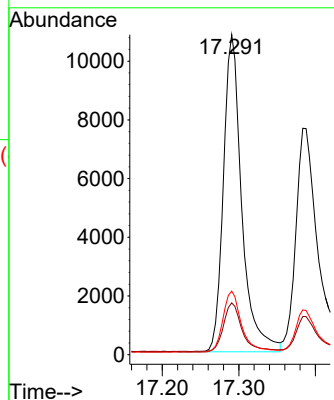
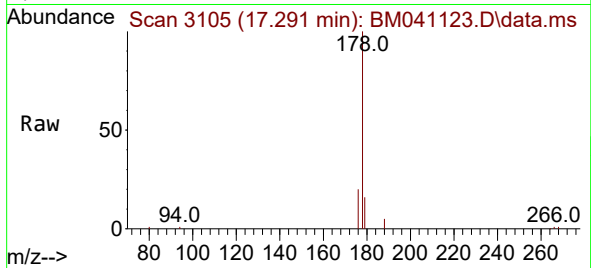




#15  
Phenanthrene  
Concen: 0.397 ng/ul  
RT: 17.291 min Scan# 3105  
Delta R.T. -0.004 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

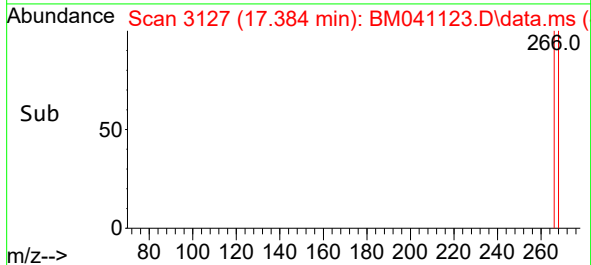
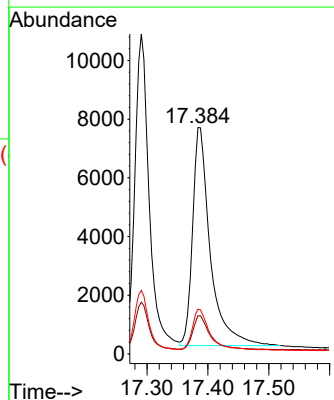
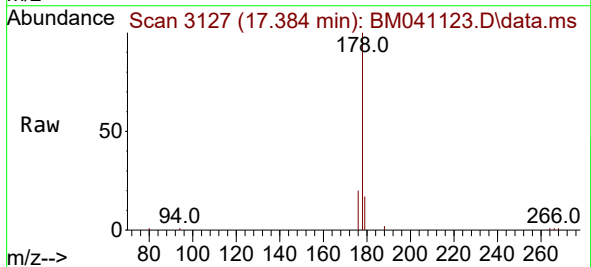
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

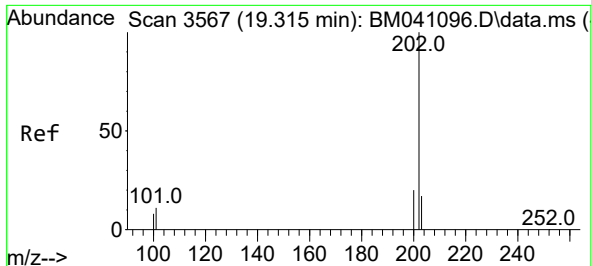
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Ion Ratio Lower Upper  
178 100  
179 16.2 13.4 20.2  
176 19.8 16.0 24.0



#16  
Anthracene  
Concen: 0.409 ng/ul  
RT: 17.384 min Scan# 3127  
Delta R.T. -0.009 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:178 Resp: 15026  
Ion Ratio Lower Upper  
178 100  
179 16.9 13.6 20.4  
176 19.8 16.0 24.0

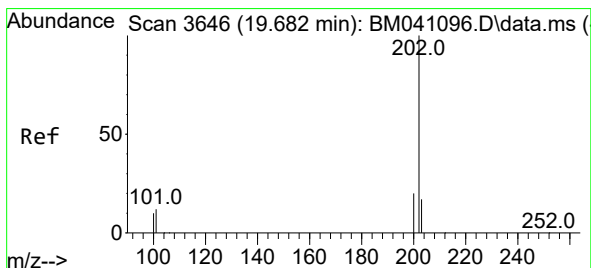
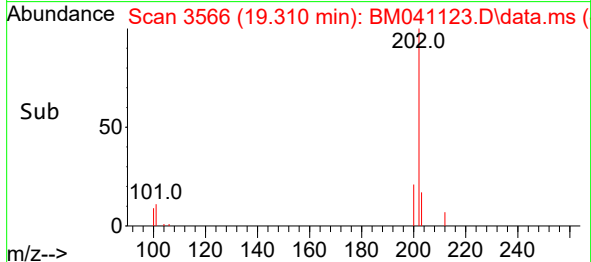
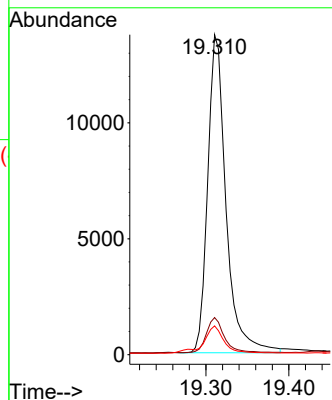
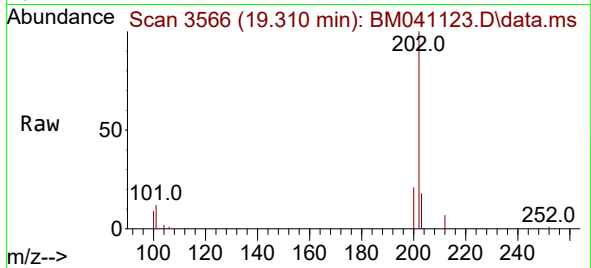




#19  
Fluoranthene  
Concen: 0.426 ng/ul  
RT: 19.310 min Scan# 3566  
Delta R.T. -0.005 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

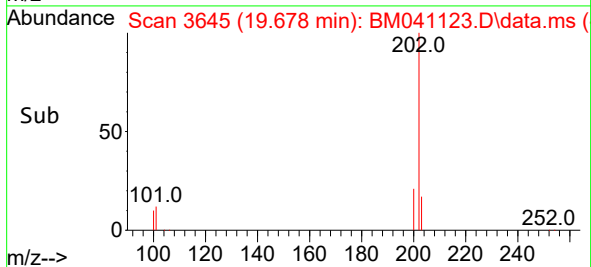
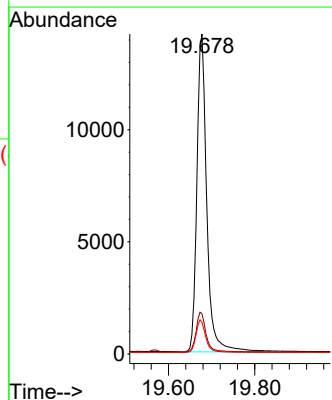
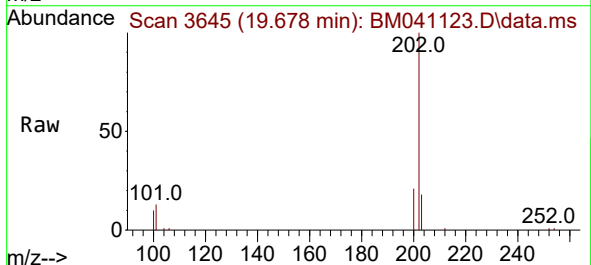
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

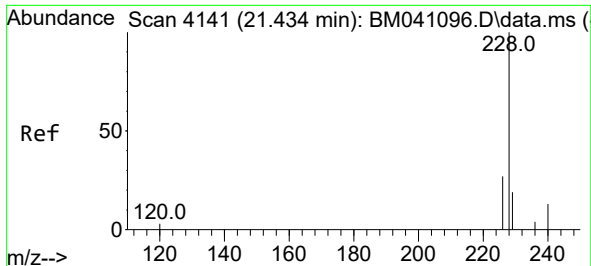
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Ion Ratio Lower Upper  
202 100  
101 11.6 9.4 14.0  
100 9.0 7.1 10.7



#20  
Pyrene  
Concen: 0.414 ng/ul  
RT: 19.678 min Scan# 3645  
Delta R.T. -0.005 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:202 Resp: 22607  
Ion Ratio Lower Upper  
202 100  
101 12.6 10.7 16.1  
100 10.0 8.5 12.7

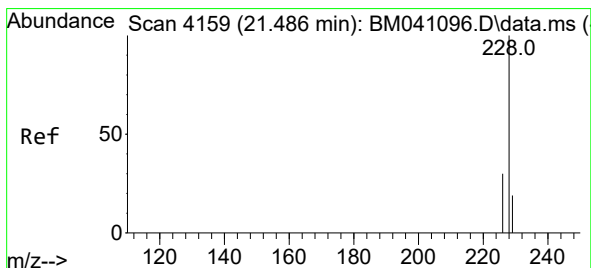
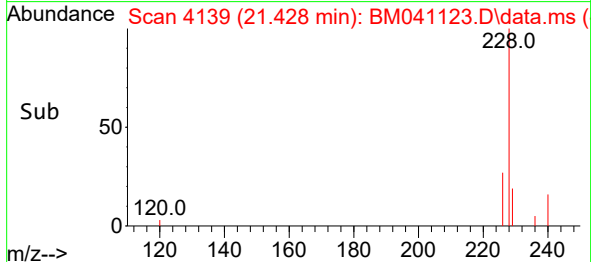
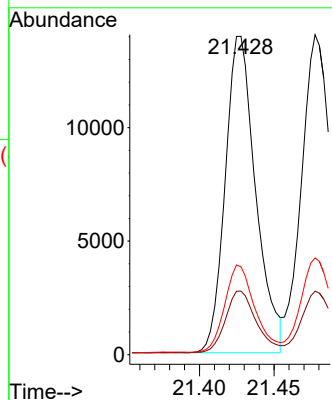
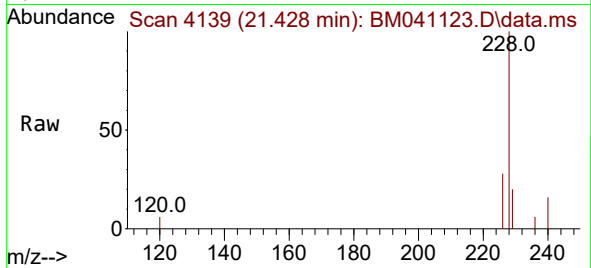




#21  
Benzo(a)anthracene  
Concen: 0.429 ng/ul  
RT: 21.428 min Scan# 41139  
Delta R.T. -0.006 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

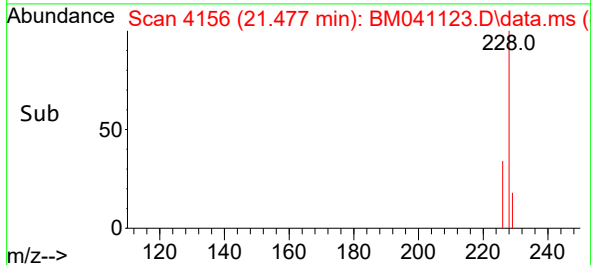
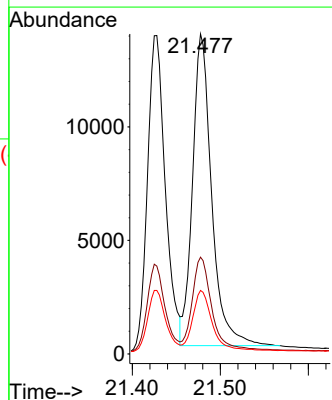
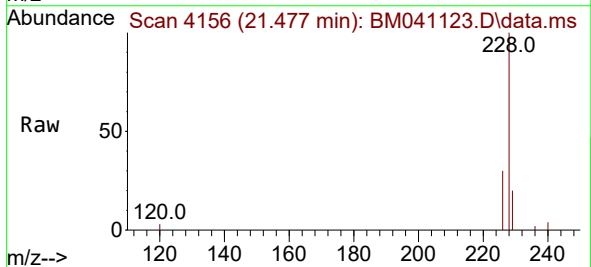
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

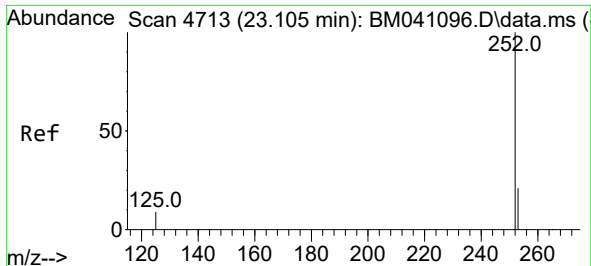
Tgt Ion:228 Resp: 19831  
Ion Ratio Lower Upper  
228 100  
229 20.0 16.5 24.7  
226 27.6 22.2 33.2



#22  
Chrysene  
Concen: 0.389 ng/ul  
RT: 21.477 min Scan# 4156  
Delta R.T. -0.009 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:228 Resp: 20778  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.2 36.4  
229 19.9 15.9 23.9

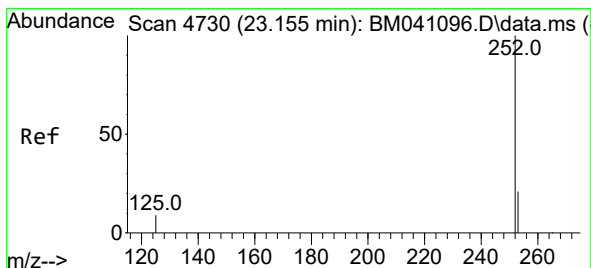
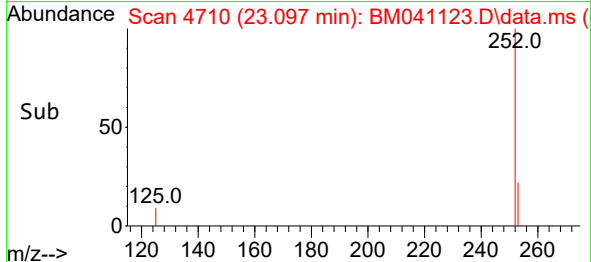
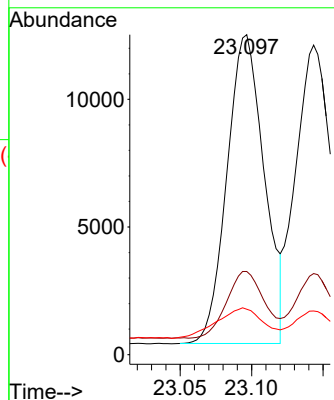
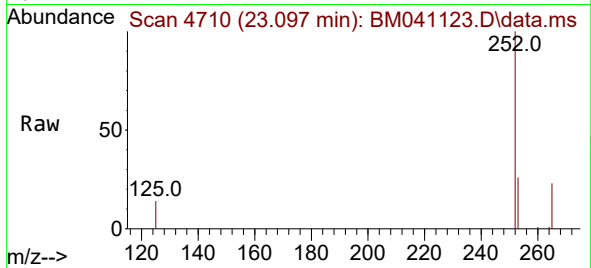




#24  
Benzo(b)fluoranthene  
Concen: 0.374 ng/ul  
RT: 23.097 min Scan# 4710  
Delta R.T. -0.009 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

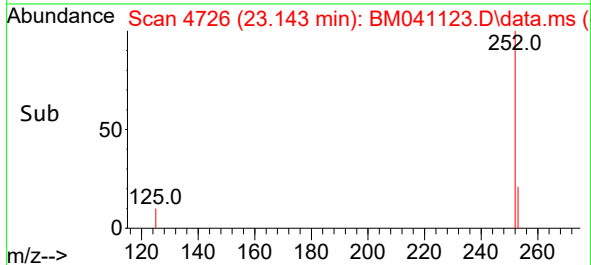
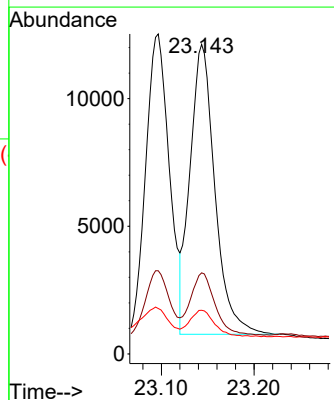
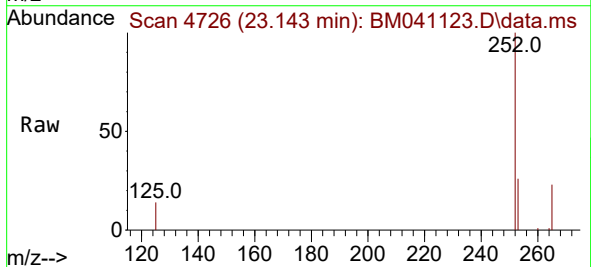
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

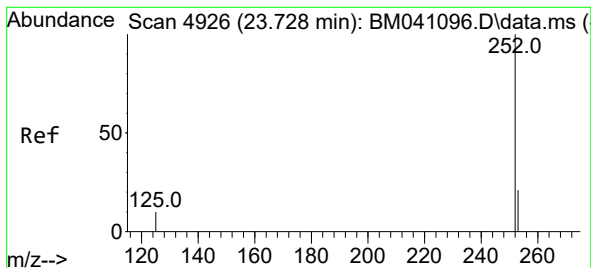
Tgt Ion:252 Resp: 21910  
Ion Ratio Lower Upper  
252 100  
253 26.0 0.0 57.6  
125 14.2 0.0 33.6



#25  
Benzo(k)fluoranthene  
Concen: 0.379 ng/ul  
RT: 23.143 min Scan# 4726  
Delta R.T. -0.012 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:252 Resp: 21202  
Ion Ratio Lower Upper  
252 100  
253 26.2 22.8 34.2  
125 14.1 13.5 20.3





#26

Benzo(a)pyrene

Concen: 0.404 ng/ul

RT: 23.716 min Scan# 4922

Delta R.T. -0.012 min

Lab File: BM041123.D

Acq: 26 Jul 2023 02:21

Instrument :

BNA\_P

ClientSampleId :

SSTD0.4198

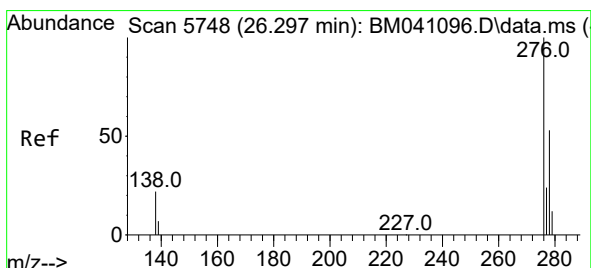
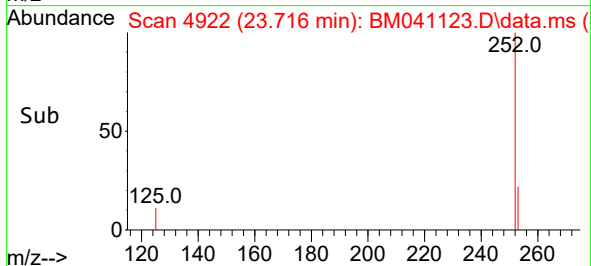
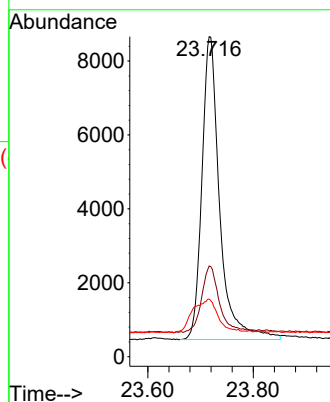
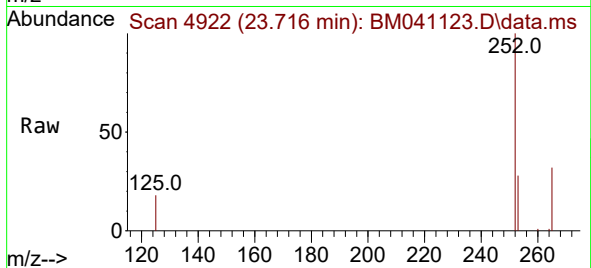
Tgt Ion:252 Resp: 19178

Ion Ratio Lower Upper

252 100

253 28.4 26.7 40.1

125 18.0 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.382 ng/ul

RT: 26.277 min Scan# 5742

Delta R.T. -0.020 min

Lab File: BM041123.D

Acq: 26 Jul 2023 02:21

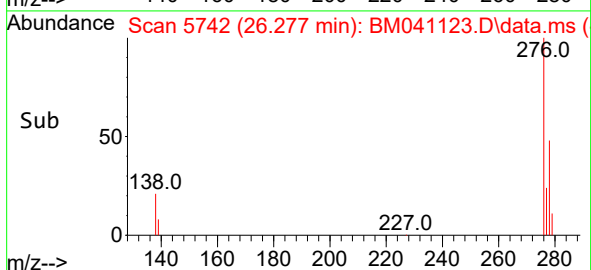
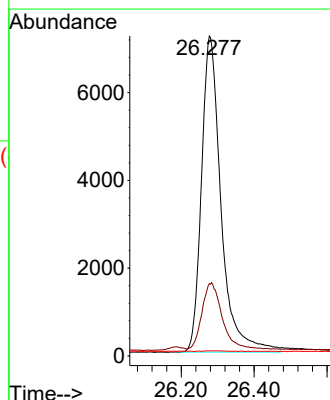
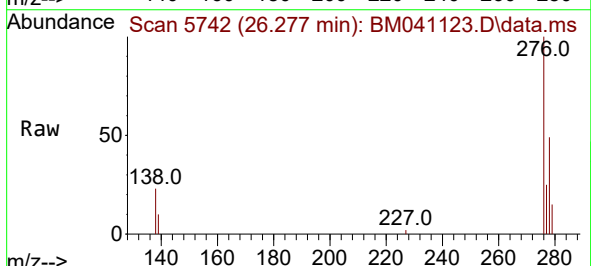
Tgt Ion:276 Resp: 26888

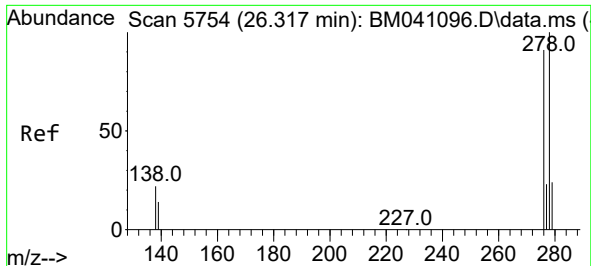
Ion Ratio Lower Upper

276 100

138 21.9 18.1 27.1

227 0.2 0.2 0.2#

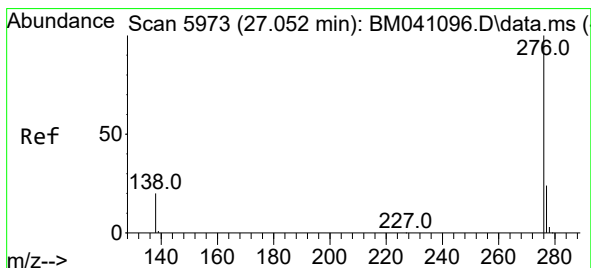
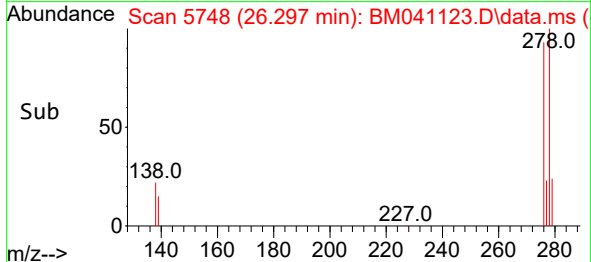
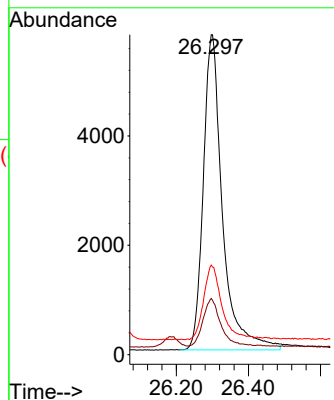
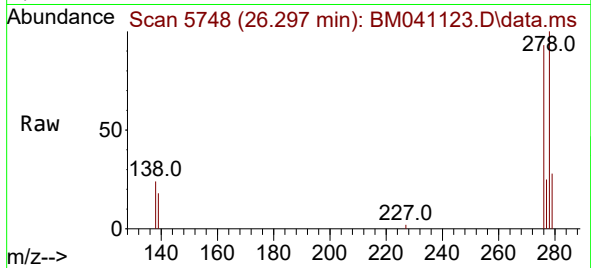




#28  
Dibenzo(a,h)anthracene  
Concen: 0.386 ng/ul  
RT: 26.297 min Scan# 51  
Delta R.T. -0.020 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Instrument :  
BNA\_P  
ClientSampleId :  
SSTD0.4198

Tgt Ion:278 Resp: 21305  
Ion Ratio Lower Upper  
278 100  
139 17.5 14.1 21.1  
279 28.0 25.0 37.4



#29  
Benzo(g,h,i)perylene  
Concen: 0.369 ng/ul  
RT: 27.031 min Scan# 5967  
Delta R.T. -0.020 min  
Lab File: BM041123.D  
Acq: 26 Jul 2023 02:21

Tgt Ion:276 Resp: 23180  
Ion Ratio Lower Upper  
276 100  
138 21.2 18.2 27.2  
277 25.0 20.6 30.8

