

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052523\  
 Data File : BM040050.D  
 Acq On : 26 May 2023 23:16  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

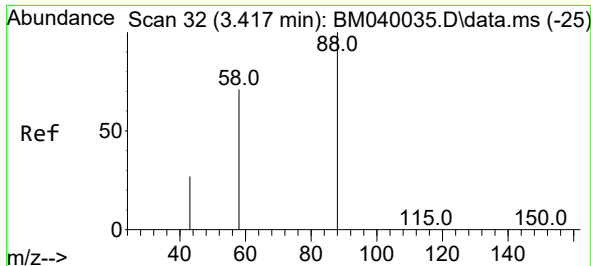
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4111

Quant Time: May 27 00:13:02 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 15:01:16 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.012  | 152  | 9245     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.827 | 136  | 30691    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.646 | 164  | 14062    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.391 | 188  | 24710    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.564 | 240  | 10918    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.011 | 264  | 9904     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.384  | 96   | 4836     | 0.449 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.411 | 152  | 17293    | 0.461 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.412 | 212  | 18666    | 0.568 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.417  | 88   | 5124     | 0.452 | ng/ul  | 95       |
| 5) Naphthalene              | 10.877 | 128  | 35091    | 0.468 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.483 | 142  | 20982    | 0.464 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.703 | 142  | 21815    | 0.464 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.369 | 152  | 25601    | 0.457 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.711 | 153  | 21694    | 0.476 | ng/ul  | 99       |
| 12) Fluorene                | 15.692 | 166  | 22143    | 0.466 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 17.037 | 266  | 1801     | 0.360 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.429 | 178  | 32139    | 0.459 | ng/ul  | 100      |
| 16) Anthracene              | 17.522 | 178  | 26214    | 0.447 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.440 | 202  | 27541    | 0.561 | ng/ul  | 99       |
| 20) Pyrene                  | 19.802 | 202  | 26634    | 0.535 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.550 | 228  | 16733    | 0.455 | ng/ul  | 100      |
| 22) Chrysene                | 21.602 | 228  | 18409    | 0.471 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.263 | 252  | 18352    | 0.467 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.312 | 252  | 17206    | 0.434 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.900 | 252  | 15112    | 0.459 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.554 | 276  | 21434    | 0.453 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.575 | 278  | 16975    | 0.444 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 27.336 | 276  | 16887    | 0.435 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

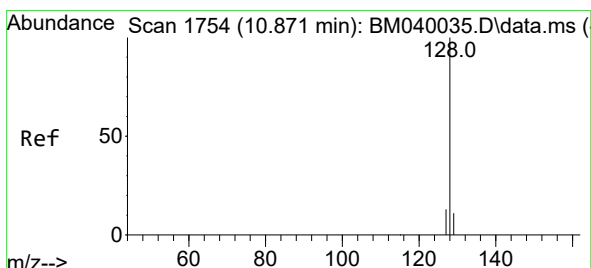
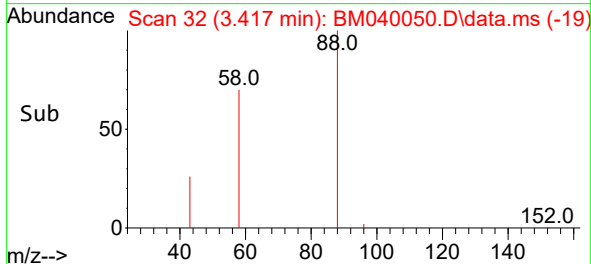
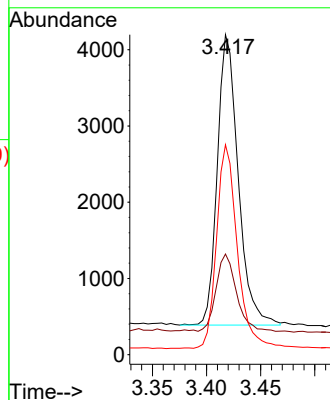
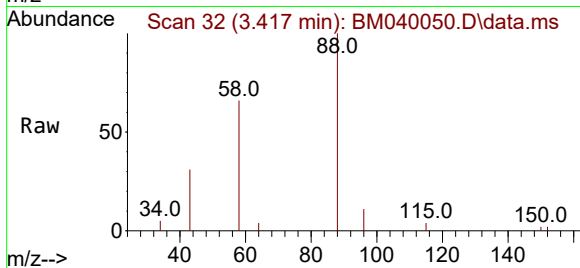
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052523\  
Data File : BM040050.D  
Acq On    : 26 May 2023   23:16  
Operator  : CG/JU  
Sample    : SSTDCCC0.4  
Misc      :  
ALS Vial  : 56    Sample Multiplier: 1
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#2  
1,4-Dioxane  
Concen: 0.452 ng/ul  
RT: 3.417 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

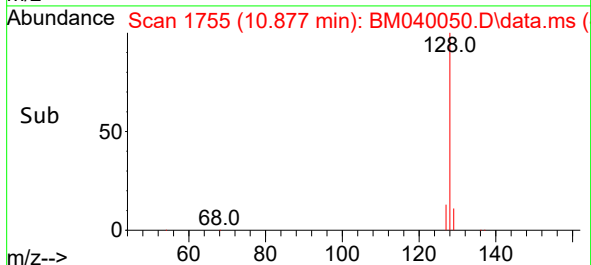
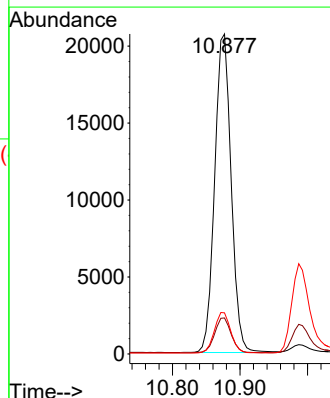
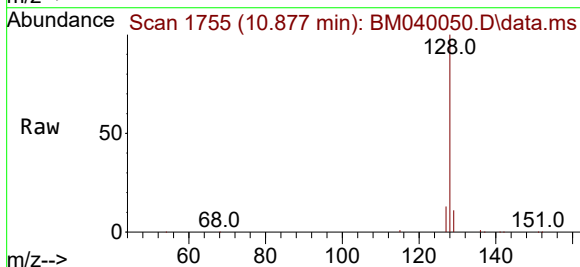
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BNA\_M  
ClientSampleId :  
SSTD0.4111

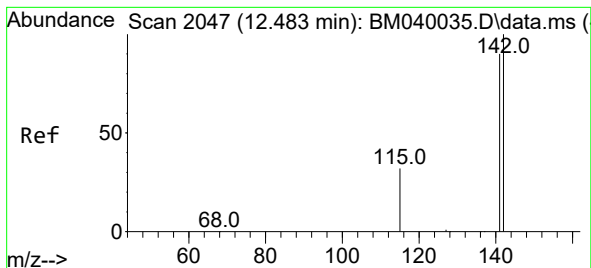
Tgt Ion: 88 Resp: 5124  
Ion Ratio Lower Upper  
88 100  
43 31.5 25.9 38.9  
58 65.6 48.5 72.7



#5  
Naphthalene  
Concen: 0.468 ng/ul  
RT: 10.877 min Scan# 1755  
Delta R.T. -0.000 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

Tgt Ion: 128 Resp: 35091  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.6  
127 12.9 10.5 15.7

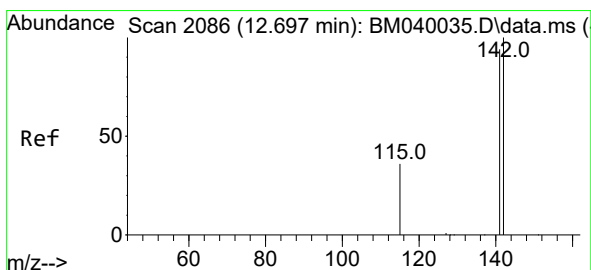
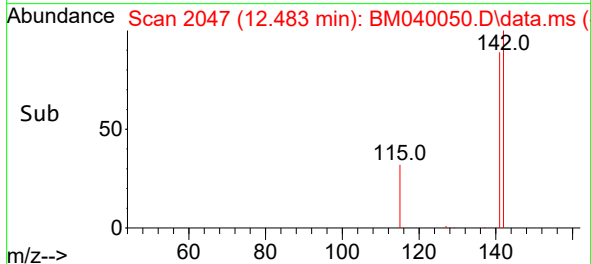
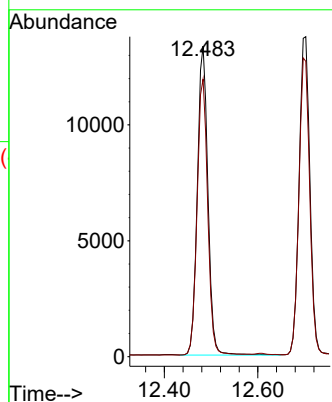
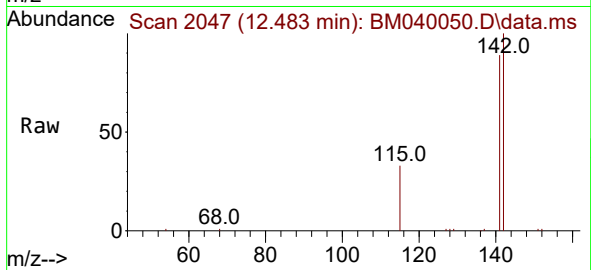




#7  
2-Methylnaphthalene  
Concen: 0.464 ng/ul  
RT: 12.483 min Scan# 2047  
Delta R.T. -0.000 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

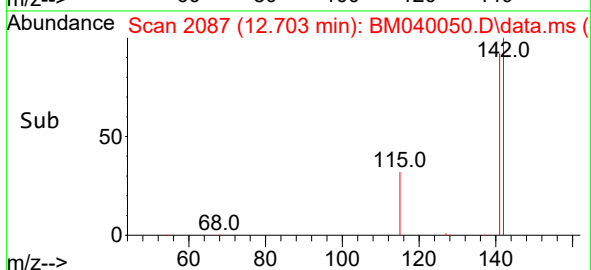
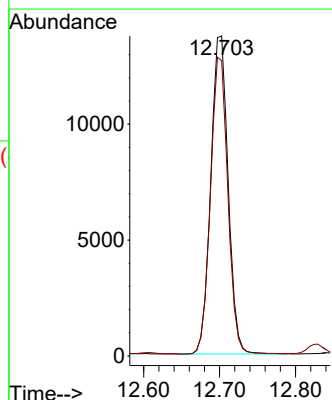
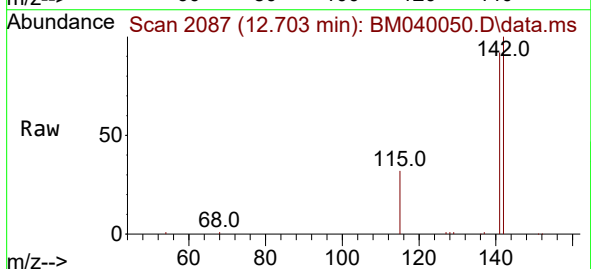
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ClientSampleId :  
SSTD0.4111

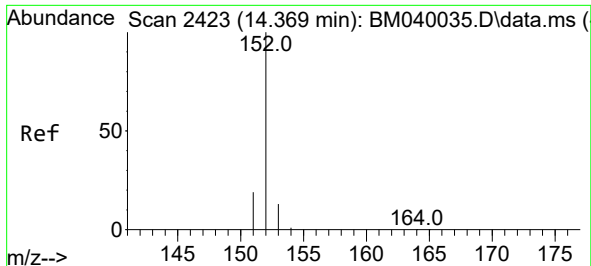
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Ion Ratio Lower Upper  
142 100  
141 89.6 71.3 106.9



#8  
1-Methylnaphthalene  
Concen: 0.464 ng/ul  
RT: 12.703 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

Tgt Ion:142 Resp: 21815  
Ion Ratio Lower Upper  
142 100  
141 93.3 73.8 110.6

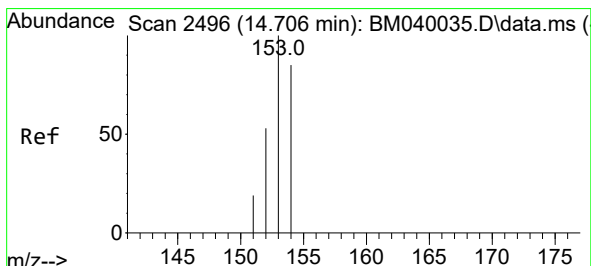
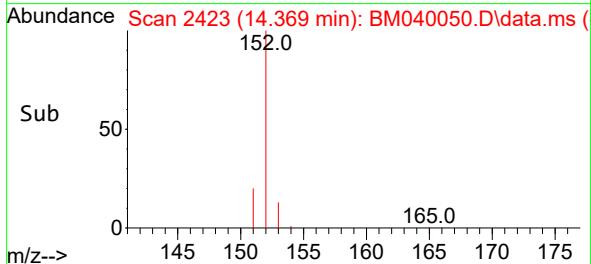
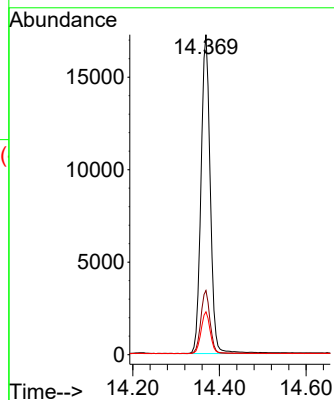
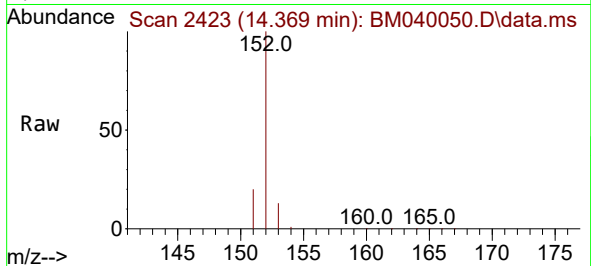




#10  
Acenaphthylene  
Concen: 0.457 ng/ul  
RT: 14.369 min Scan# 2423  
Delta R.T. -0.000 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

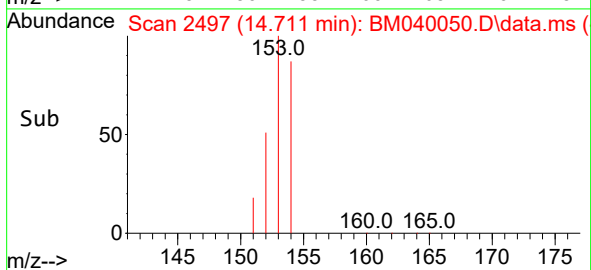
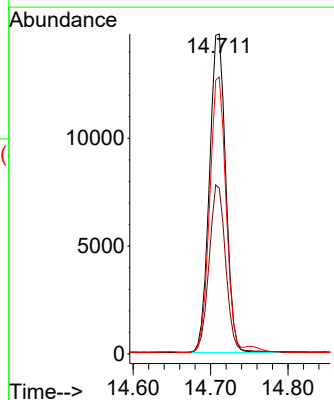
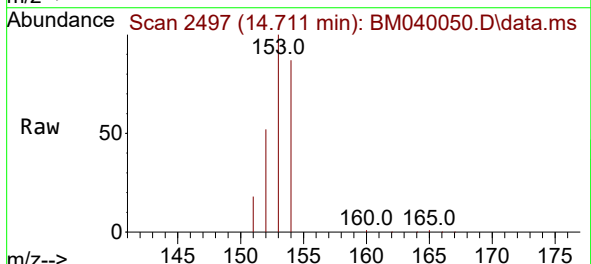
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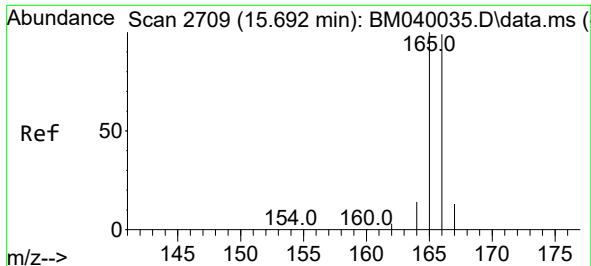
Tgt Ion:152 Resp: 25601  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.4  
153 13.4 10.6 16.0



#11  
Acenaphthene  
Concen: 0.476 ng/ul  
RT: 14.711 min Scan# 2497  
Delta R.T. -0.000 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

Tgt Ion:153 Resp: 21694  
Ion Ratio Lower Upper  
153 100  
152 51.8 42.0 63.0  
154 86.5 69.4 104.2

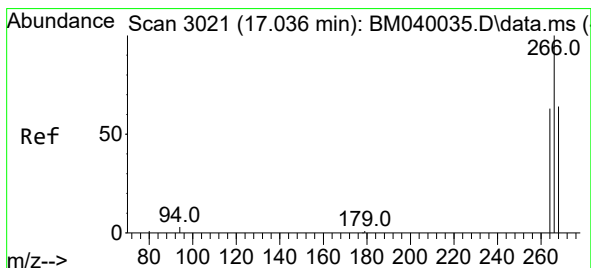
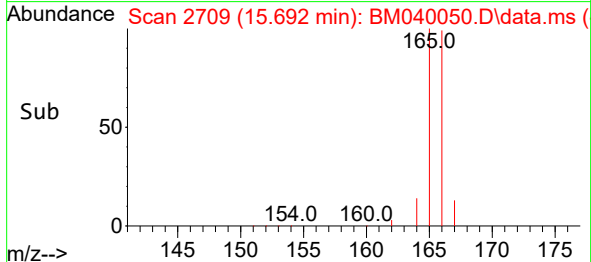
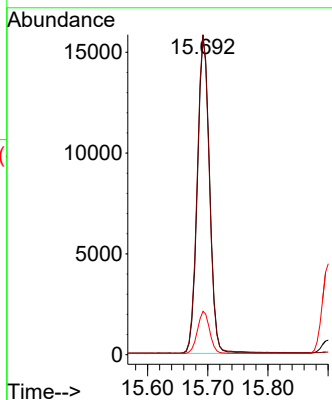
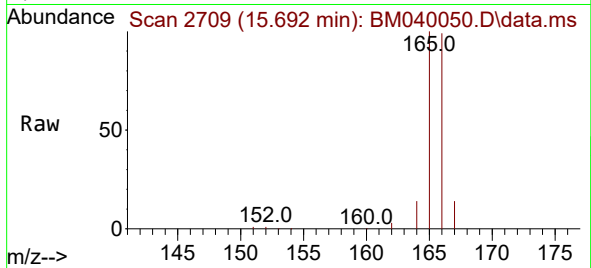




#12  
 Fluorene  
 Concen: 0.466 ng/ul  
 RT: 15.692 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BM040050.D  
 Acq: 26 May 2023 23:16

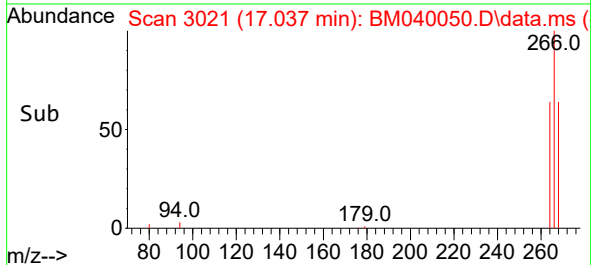
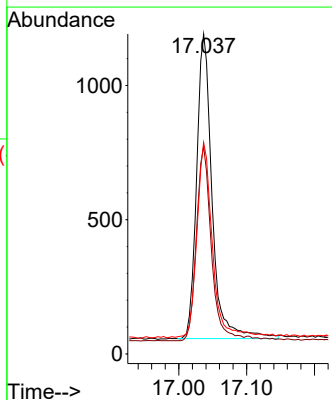
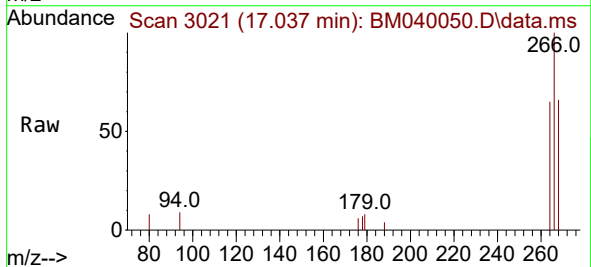
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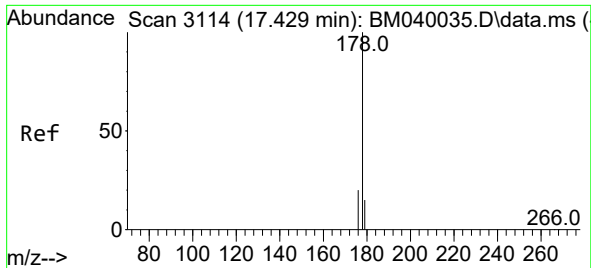
Tgt Ion:166 Resp: 22143  
 Ion Ratio Lower Upper  
 166 100  
 165 100.8 79.3 118.9  
 167 13.7 10.8 16.2



#14  
 Pentachlorophenol  
 Concen: 0.360 ng/ul  
 RT: 17.037 min Scan# 3021  
 Delta R.T. -0.004 min  
 Lab File: BM040050.D  
 Acq: 26 May 2023 23:16

Tgt Ion:266 Resp: 1801  
 Ion Ratio Lower Upper  
 266 100  
 264 63.0 49.2 73.8  
 268 64.5 51.9 77.9

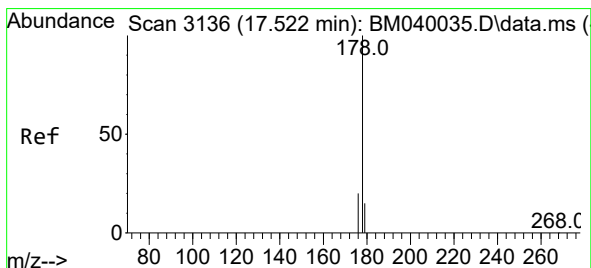
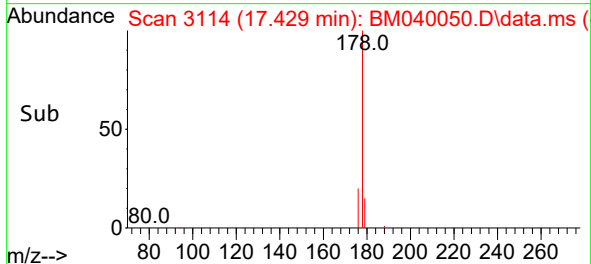
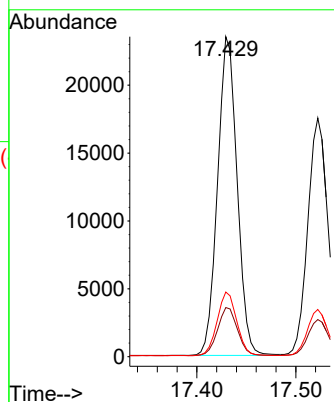
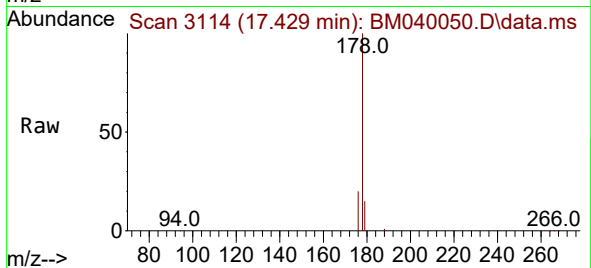




#15  
Phenanthrene  
Concen: 0.459 ng/ul  
RT: 17.429 min Scan# 3114  
Delta R.T. -0.004 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

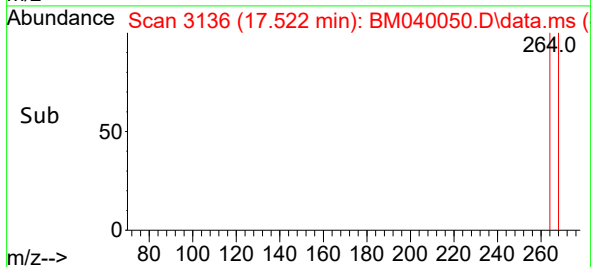
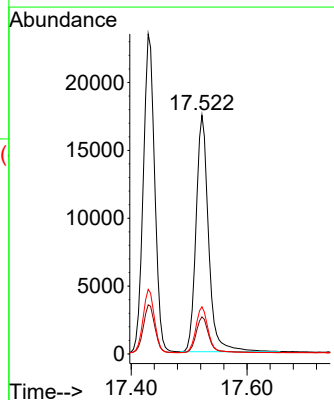
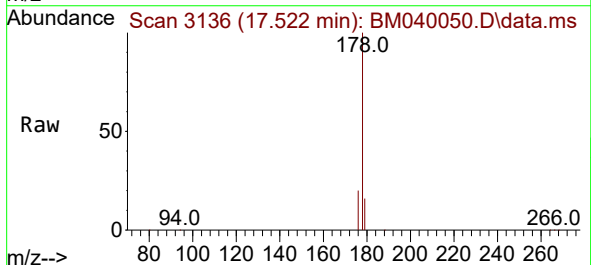
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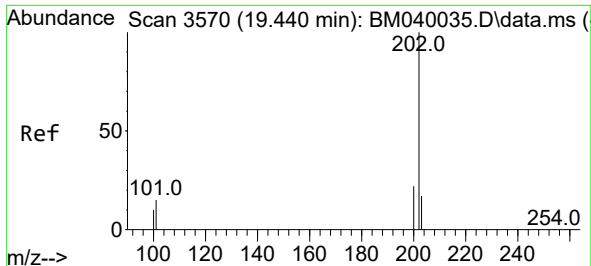
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 32139     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.4  | 12.4 18.6 |
| 176         | 20.2  | 16.3 24.5 |



#16  
Anthracene  
Concen: 0.447 ng/ul  
RT: 17.522 min Scan# 3136  
Delta R.T. -0.004 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 26214     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.6  | 12.6 19.0 |
| 176         | 19.8  | 15.5 23.3 |

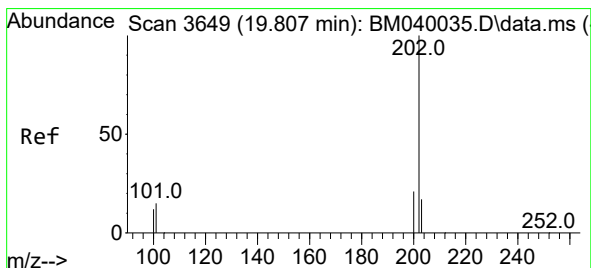
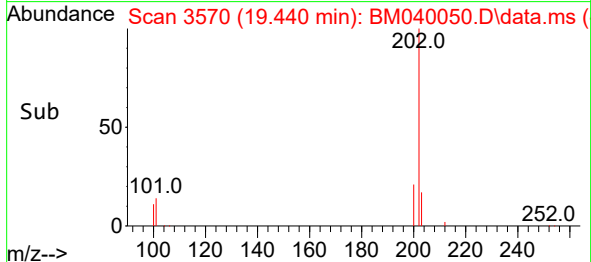
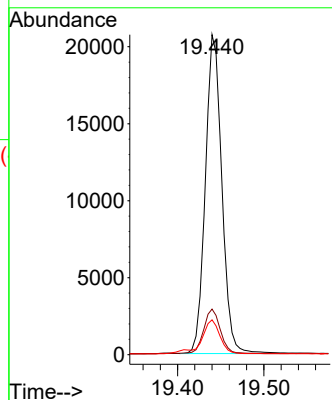
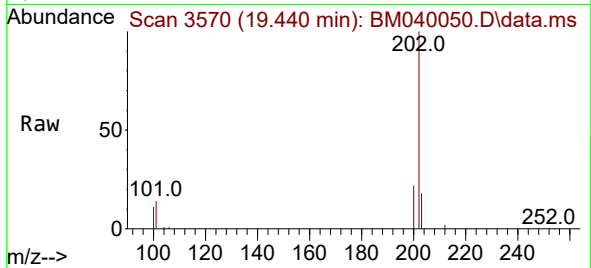




#19  
Fluoranthene  
Concen: 0.561 ng/ul  
RT: 19.440 min Scan# 3570  
Delta R.T. -0.005 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

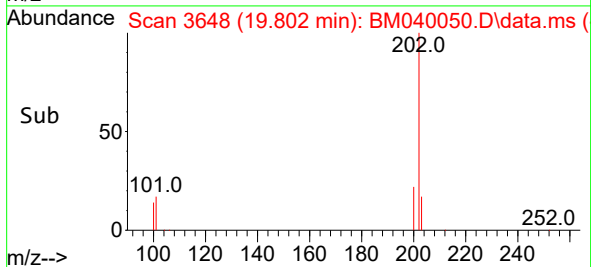
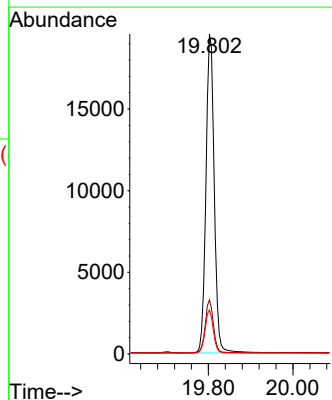
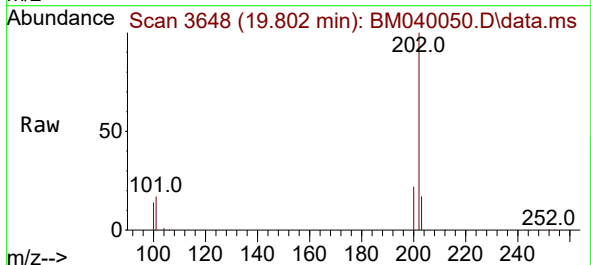
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SSTD0.4111

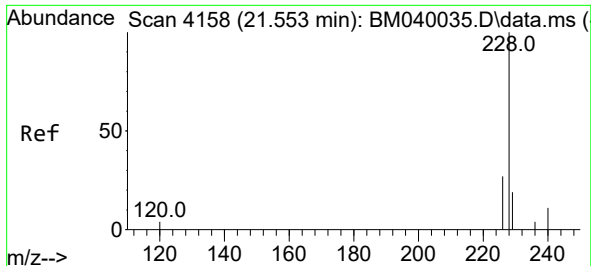
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Ion Ratio Lower Upper  
202 100  
101 14.3 11.5 17.3  
100 10.9 8.5 12.7



#20  
Pyrene  
Concen: 0.535 ng/ul  
RT: 19.802 min Scan# 3648  
Delta R.T. -0.005 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

Tgt Ion:202 Resp: 26634  
Ion Ratio Lower Upper  
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100 13.8 10.9 16.3

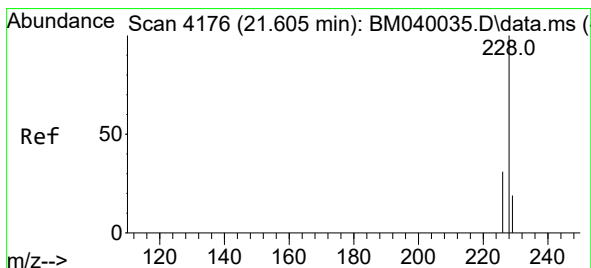
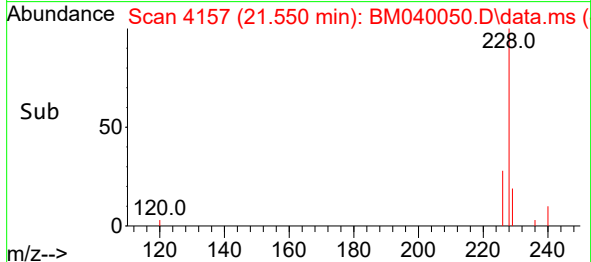
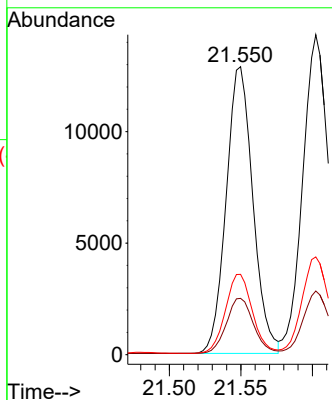
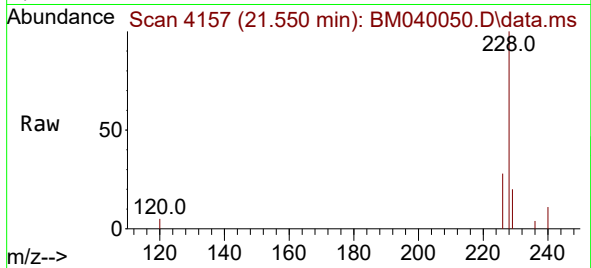




#21  
Benzo(a)anthracene  
Concen: 0.455 ng/ul  
RT: 21.550 min Scan# 4158  
Delta R.T. -0.006 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

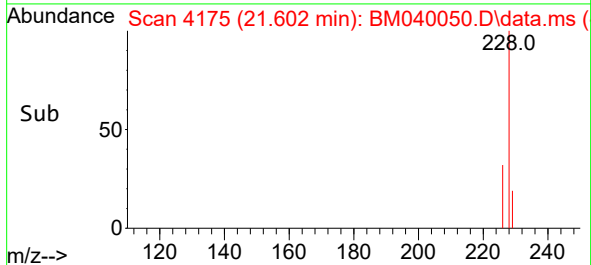
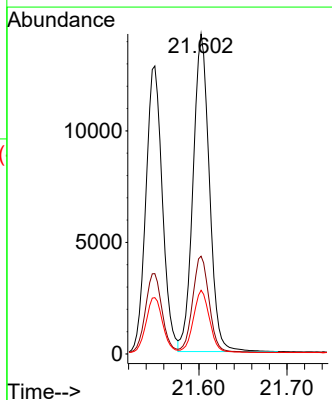
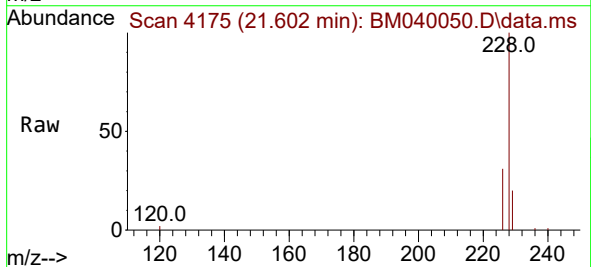
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ClientSampleId :  
SSTD0.4111

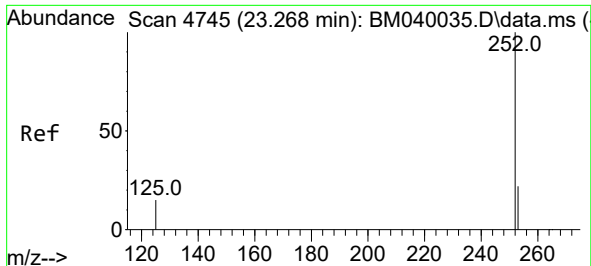
Tgt Ion:228 Resp: 16733  
Ion Ratio Lower Upper  
228 100  
229 19.5 15.6 23.4  
226 27.9 22.5 33.7



#22  
Chrysene  
Concen: 0.471 ng/ul  
RT: 21.602 min Scan# 4175  
Delta R.T. -0.009 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

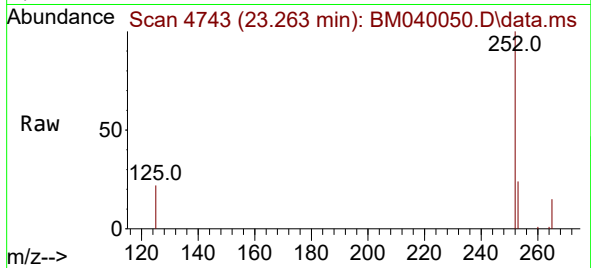
Tgt Ion:228 Resp: 18409  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.6 36.8  
229 19.9 15.6 23.4



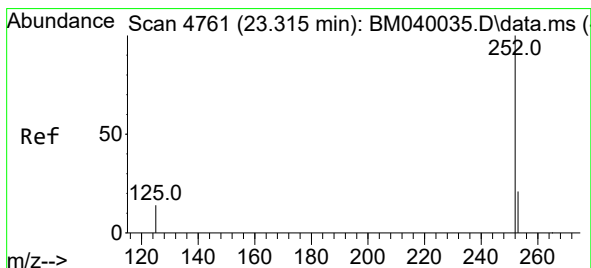
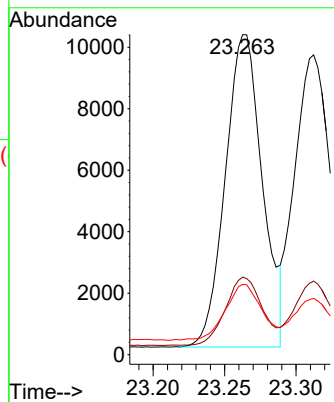
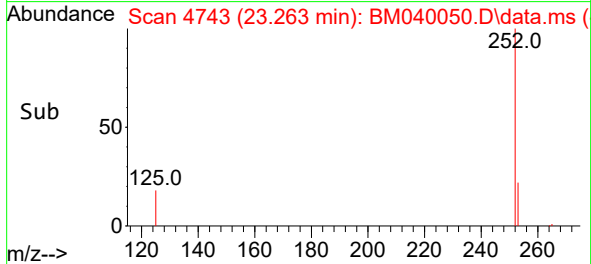


#24  
Benzo(b)fluoranthene  
Concen: 0.467 ng/ul  
RT: 23.263 min Scan# 4743  
Delta R.T. -0.012 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

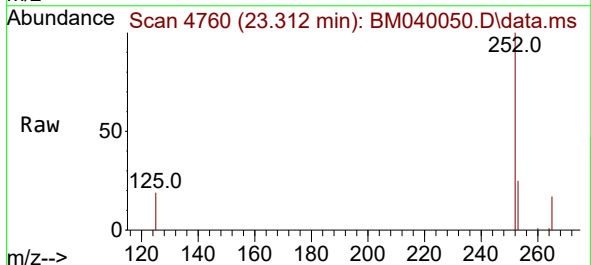
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4111



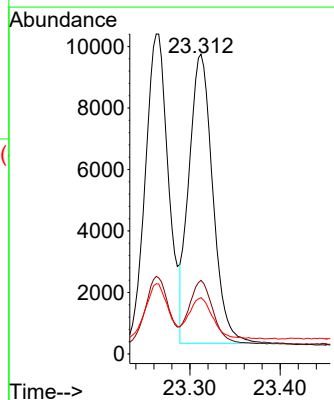
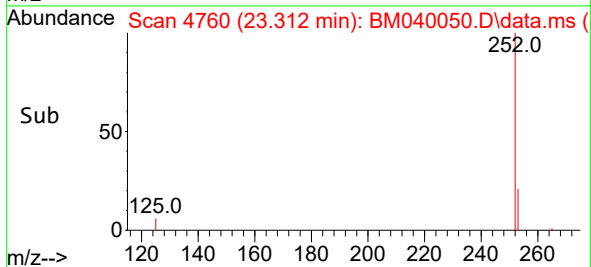
Tgt Ion:252 Resp: 18352  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 49.8  
125 22.0 0.0 39.2

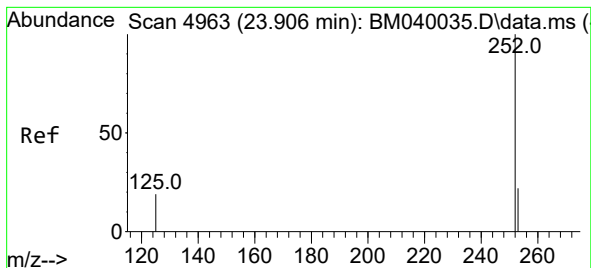


#25  
Benzo(k)fluoranthene  
Concen: 0.434 ng/ul  
RT: 23.312 min Scan# 4760  
Delta R.T. -0.012 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16



Tgt Ion:252 Resp: 17206  
Ion Ratio Lower Upper  
252 100  
253 24.5 19.7 29.5  
125 18.8 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.459 ng/ul

RT: 23.900 min Scan# 4963

Delta R.T. -0.015 min

Lab File: BM040050.D

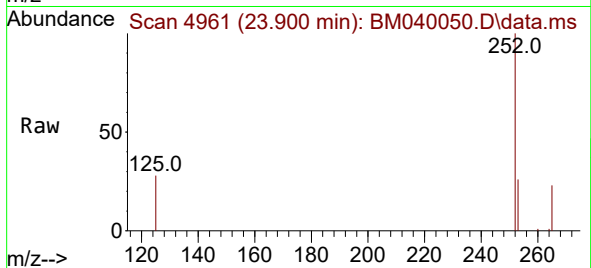
Acq: 26 May 2023 23:16

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4111



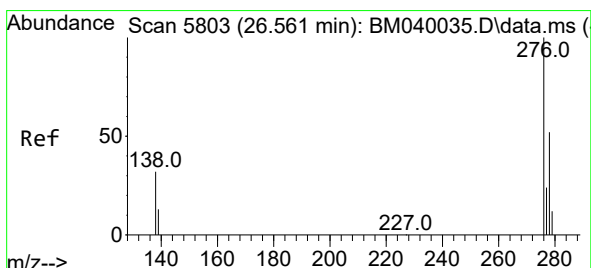
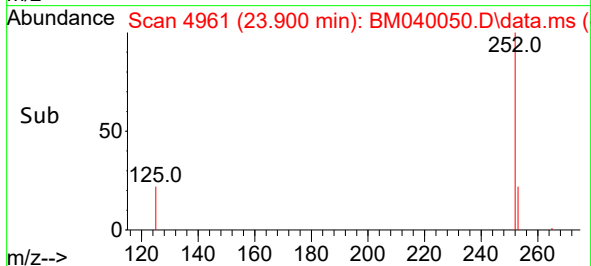
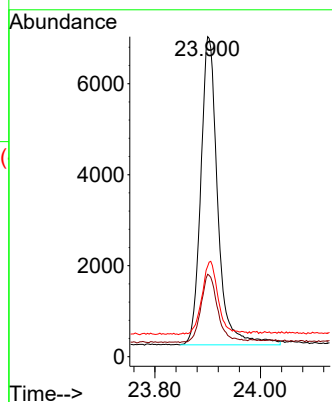
Tgt Ion:252 Resp: 15112

Ion Ratio Lower Upper

252 100

253 25.8 20.6 31.0

125 28.3 19.1 28.7



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.453 ng/ul

RT: 26.554 min Scan# 5801

Delta R.T. -0.017 min

Lab File: BM040050.D

Acq: 26 May 2023 23:16

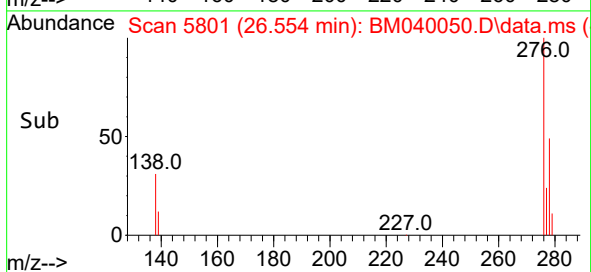
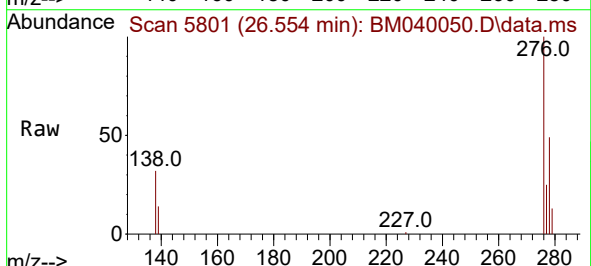
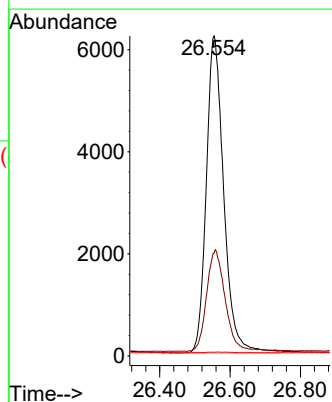
Tgt Ion:276 Resp: 21434

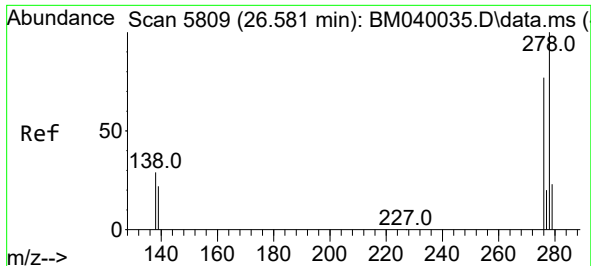
Ion Ratio Lower Upper

276 100

138 33.9 26.9 40.3

227 0.0 0.1 0.1#

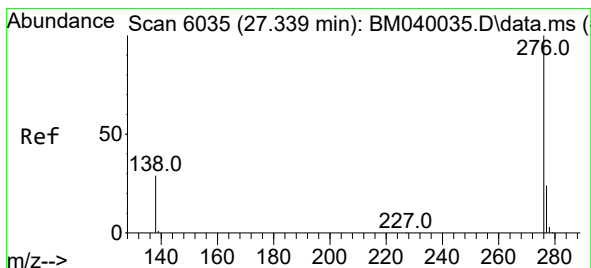
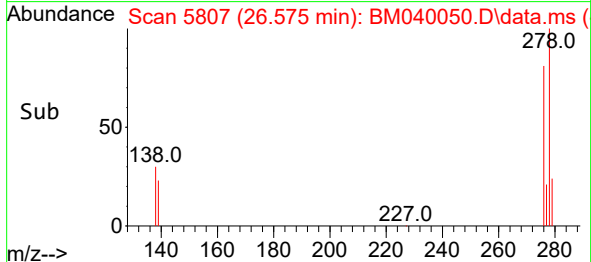
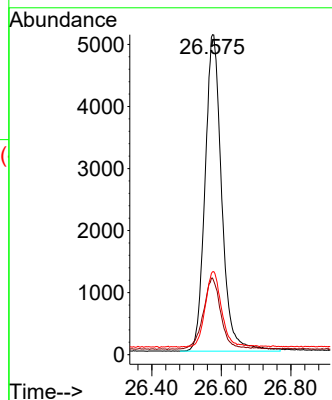
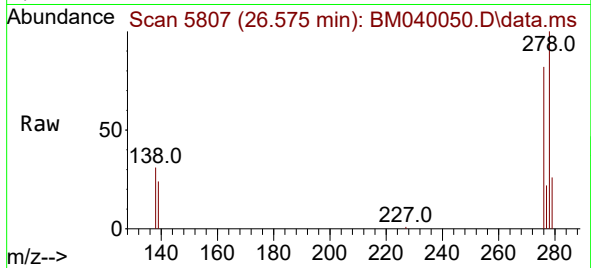




#28  
Dibenzo(a,h)anthracene  
Concen: 0.444 ng/ul  
RT: 26.575 min Scan# 5807  
Delta R.T. -0.020 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4111

Tgt Ion: 278 Resp: 16975  
Ion Ratio Lower Upper  
278 100  
139 23.9 19.0 28.4  
279 25.9 20.6 31.0



#29  
Benzo(g,h,i)perylene  
Concen: 0.435 ng/ul  
RT: 27.336 min Scan# 6034  
Delta R.T. -0.020 min  
Lab File: BM040050.D  
Acq: 26 May 2023 23:16

Tgt Ion: 276 Resp: 16887  
Ion Ratio Lower Upper  
276 100  
138 30.2 23.9 35.9  
277 24.6 19.5 29.3

