

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
 Data File : BN026090.D  
 Acq On : 29 Jun 2023 12:02  
 Operator : MA/JU  
 Sample : 03142-18  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFT5RE

Quant Time: Jun 30 00:43:13 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 22:47:20 2023  
 Response via : Initial Calibration

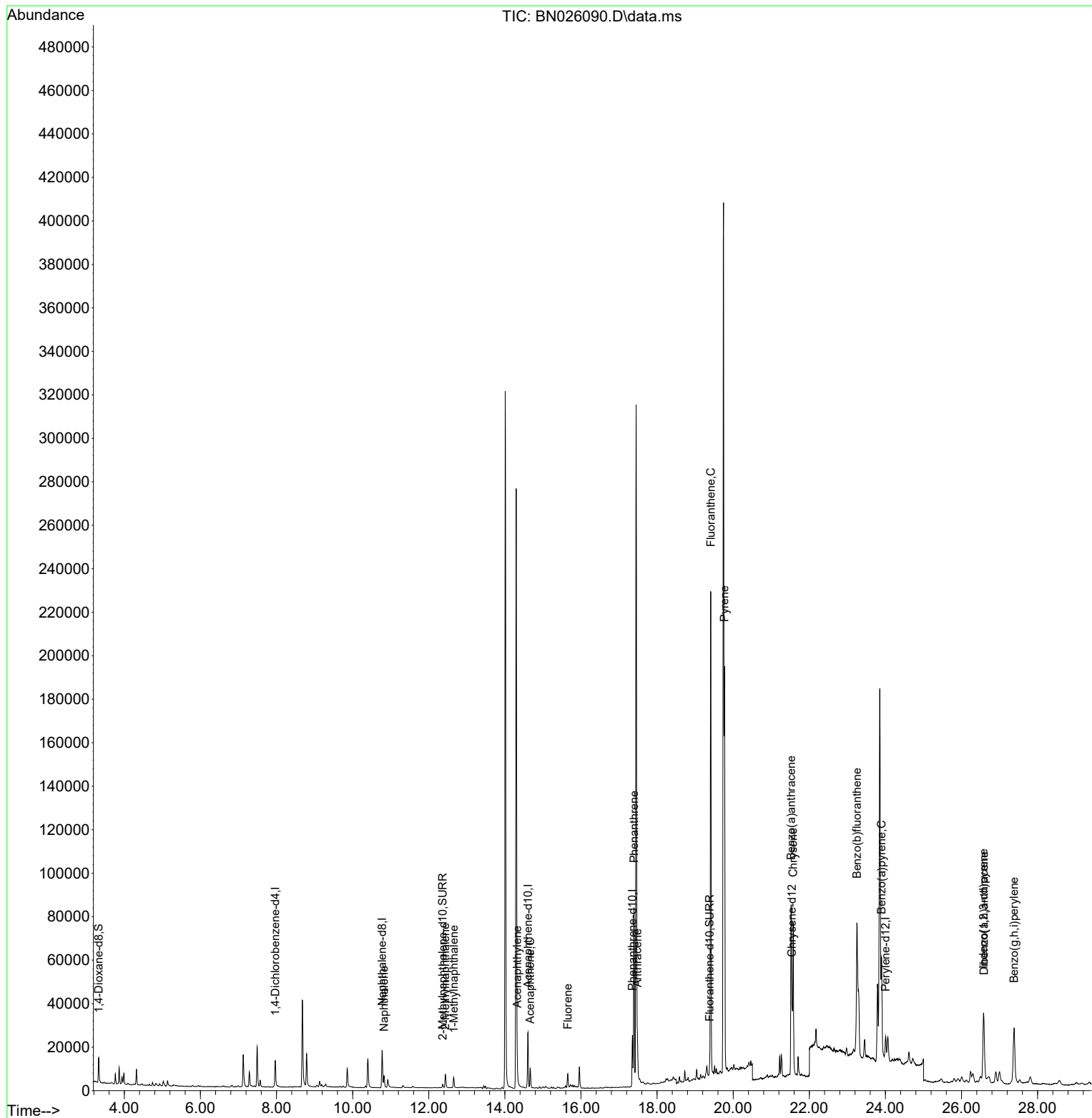
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.968  | 152  | 7598     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.776 | 136  | 25111    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.607 | 164  | 14707    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.351 | 188  | 29285    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.541 | 240  | 15499    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.005 | 264  | 15540    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.327  | 96   | 8045     | 0.940 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.365 | 152  | 2413     | 0.062 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.377 | 212  | 4600     | 0.078 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.825 | 128  | 7935     | 0.110 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.437 | 142  | 5013     | 0.109 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.656 | 142  | 3669     | 0.077 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.325 | 152  | 4281     | 0.062 | ng/ul# | 90       |
| 11) Acenaphthene            | 14.667 | 153  | 5658     | 0.100 | ng/ul  | 99       |
| 12) Fluorene                | 15.653 | 166  | 4312     | 0.067 | ng/ul# | 97       |
| 15) Phenanthrene            | 17.393 | 178  | 89735    | 0.928 | ng/ul  | 99       |
| 16) Anthracene              | 17.482 | 178  | 16544    | 0.192 | ng/ul  | 94       |
| 19) Fluoranthene            | 19.410 | 202  | 193750   | 2.340 | ng/ul  | 97       |
| 20) Pyrene                  | 19.772 | 202  | 159858   | 1.857 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.523 | 228  | 69103    | 1.081 | ng/ul  | 96       |
| 22) Chrysene                | 21.576 | 228  | 80575    | 1.211 | ng/ul# | 95       |
| 24) Benzo(b)fluoranthene    | 23.251 | 252  | 146151   | 2.203 | ng/ul  | 90       |
| 26) Benzo(a)pyrene          | 23.900 | 252  | 64375    | 1.117 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.578 | 276  | 55496    | 0.882 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.588 | 278  | 13215    | 0.277 | ng/ul# | 81       |
| 29) Benzo(g,h,i)perylene    | 27.383 | 276  | 55077    | 0.984 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

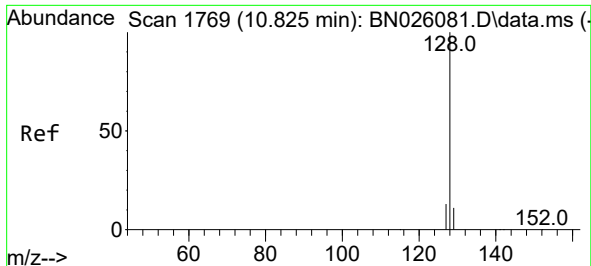
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062923\  
Data File : BN026090.D  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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Quant Time: Jun 30 00:43:13 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 28 22:47:20 2023  
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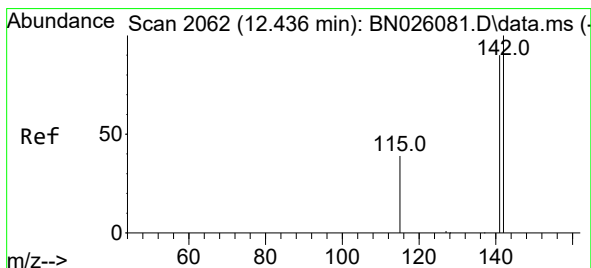
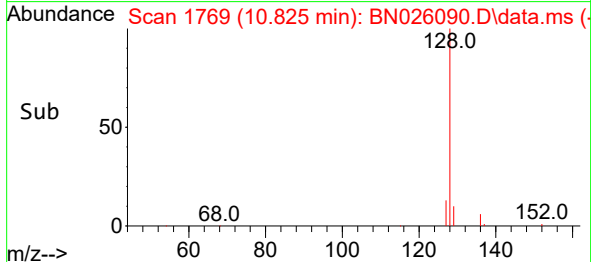
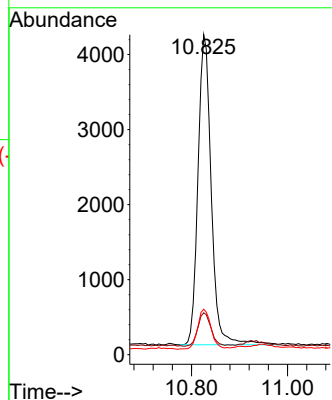
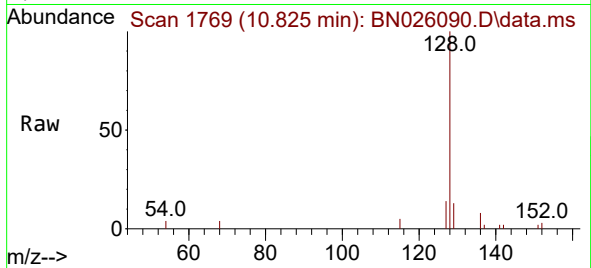




#5  
Naphthalene  
Concen: 0.110 ng/ul  
RT: 10.825 min Scan# 1769  
Delta R.T. -0.011 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

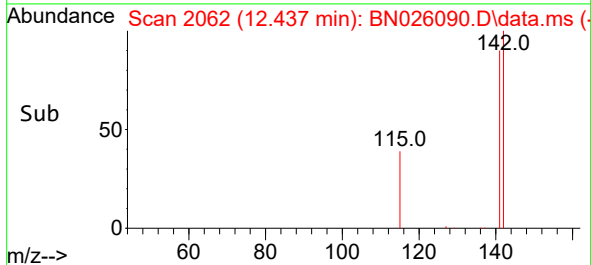
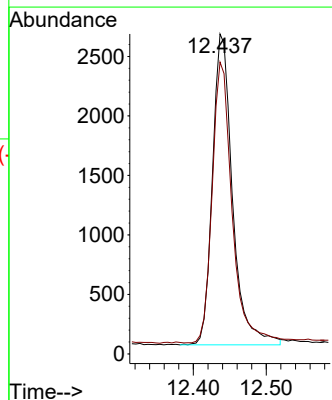
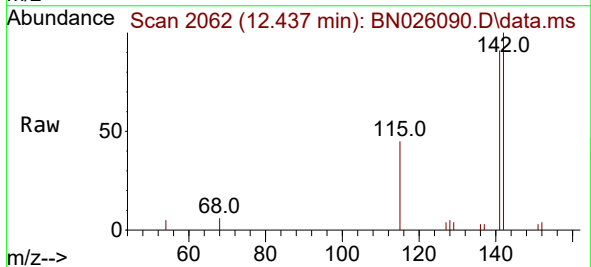
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT5RE

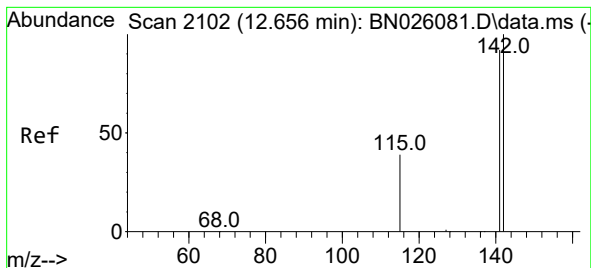
Tgt Ion:128 Resp: 7935  
Ion Ratio Lower Upper  
128 100  
129 13.1 9.1 13.7  
127 14.2 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 0.109 ng/ul  
RT: 12.437 min Scan# 2062  
Delta R.T. -0.011 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

Tgt Ion:142 Resp: 5013  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.077 ng/ul

RT: 12.656 min Scan# 2102

Delta R.T. -0.005 min

Lab File: BN026090.D

Acq: 29 Jun 2023 12:02

Instrument :

BNA\_N

ClientSampleId :

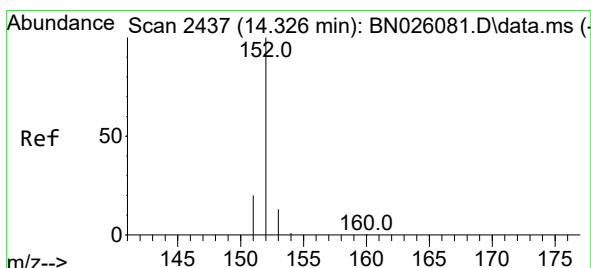
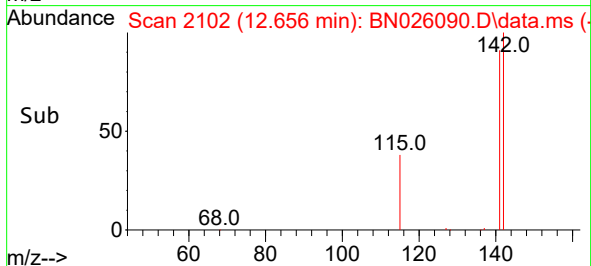
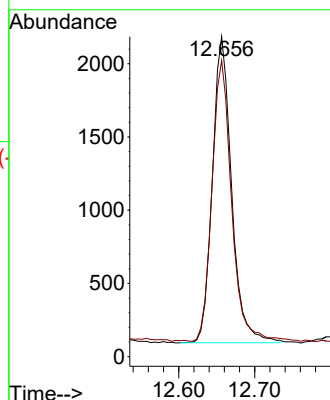
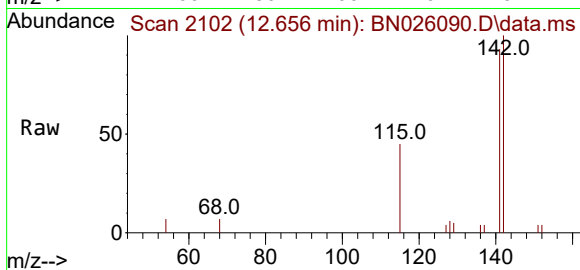
DCFT5RE

Tgt Ion:142 Resp: 3669

Ion Ratio Lower Upper

142 100

141 93.4 74.2 111.4



#10

Acenaphthylene

Concen: 0.062 ng/ul

RT: 14.325 min Scan# 2437

Delta R.T. -0.004 min

Lab File: BN026090.D

Acq: 29 Jun 2023 12:02

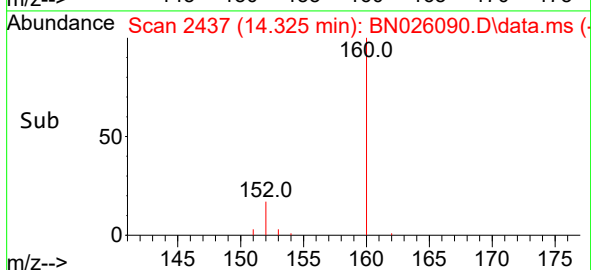
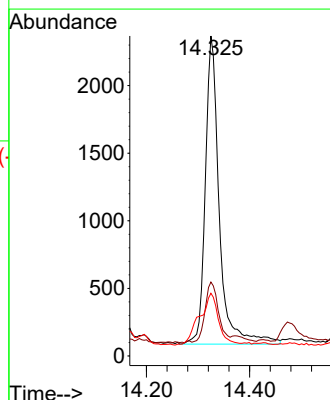
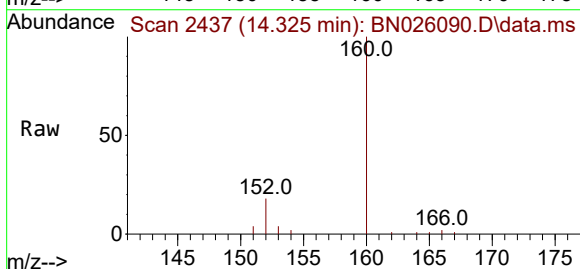
Tgt Ion:152 Resp: 4281

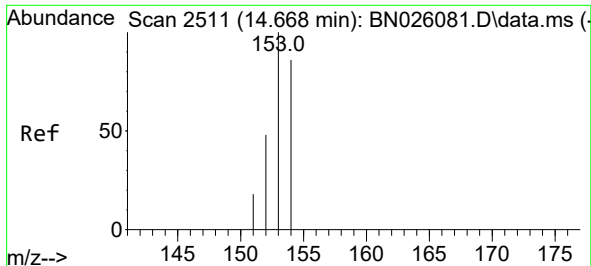
Ion Ratio Lower Upper

152 100

151 23.1 16.2 24.4

153 19.6 10.9 16.3#

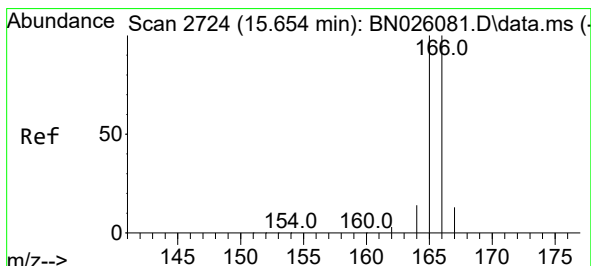
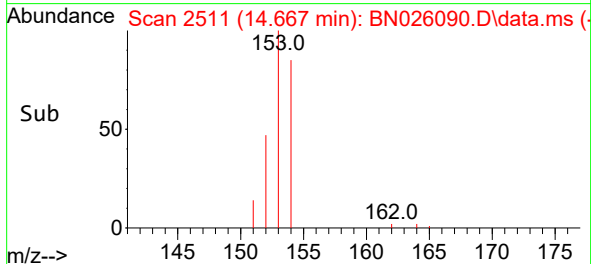
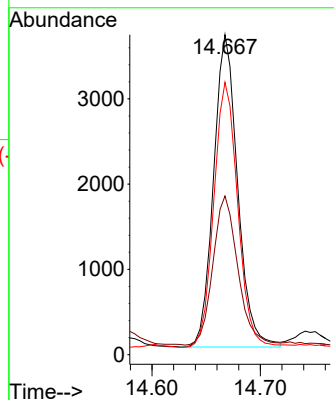
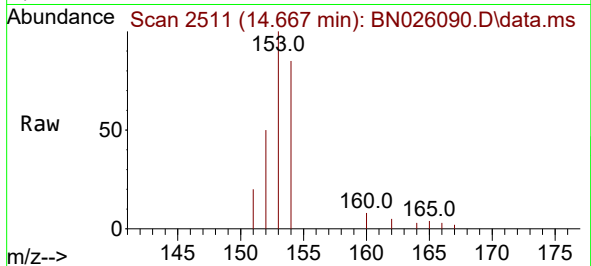




#11  
Acenaphthene  
Concen: 0.100 ng/ul  
RT: 14.667 min Scan# 2511  
Delta R.T. -0.004 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

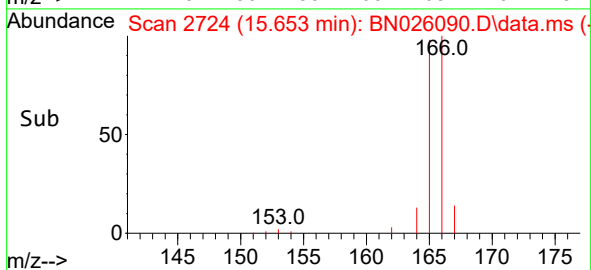
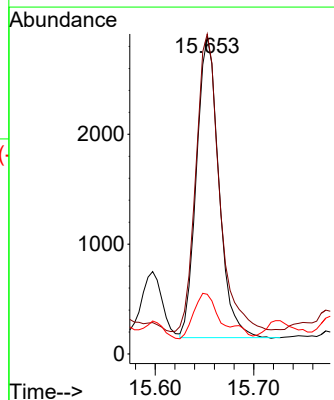
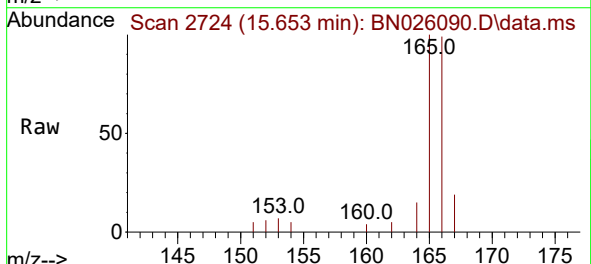
Instrument :  
BNA\_N  
ClientSampleId :  
DCFT5RE

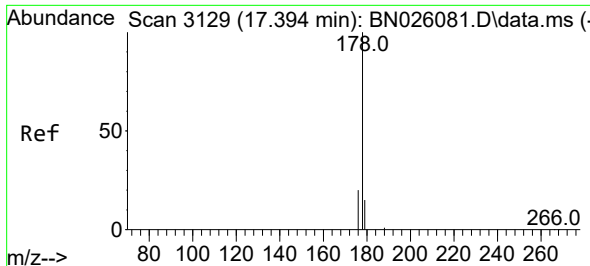
Tgt Ion:153 Resp: 5658  
Ion Ratio Lower Upper  
153 100  
152 49.6 39.4 59.0  
154 85.1 68.9 103.3



#12  
Fluorene  
Concen: 0.067 ng/ul  
RT: 15.653 min Scan# 2724  
Delta R.T. -0.009 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

Tgt Ion:166 Resp: 4312  
Ion Ratio Lower Upper  
166 100  
165 101.0 79.9 119.9  
167 18.9 10.8 16.2#

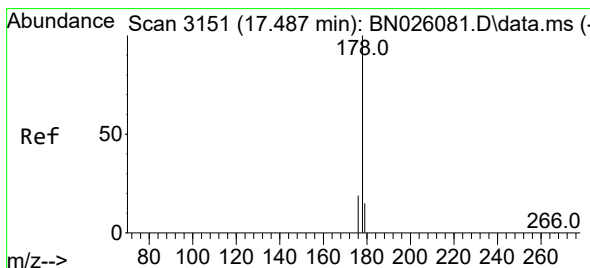
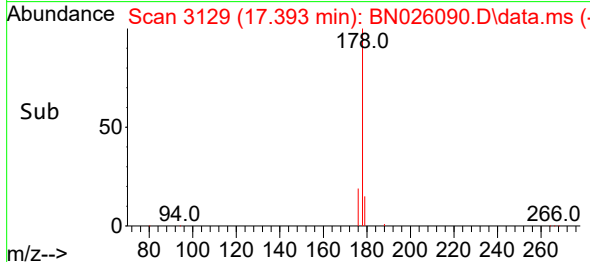
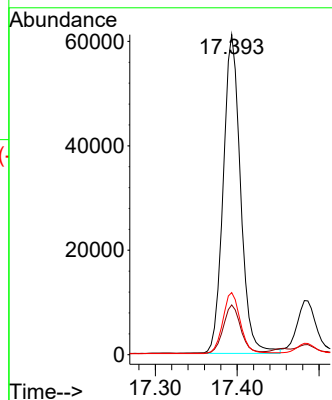
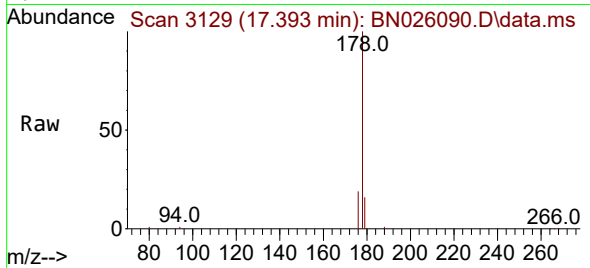




#15  
Phenanthrene  
Concen: 0.928 ng/ul  
RT: 17.393 min Scan# 3129  
Delta R.T. -0.008 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

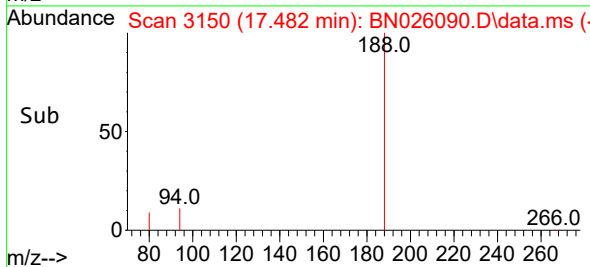
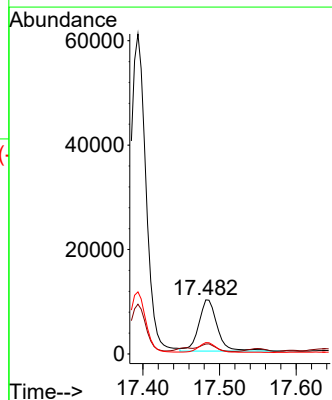
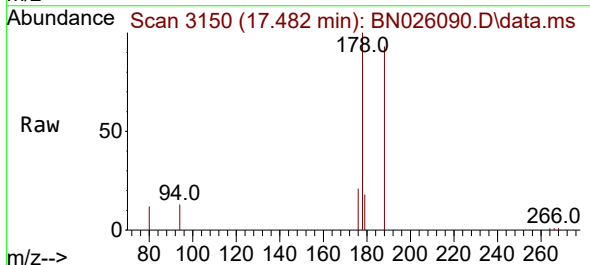
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DCFT5RE

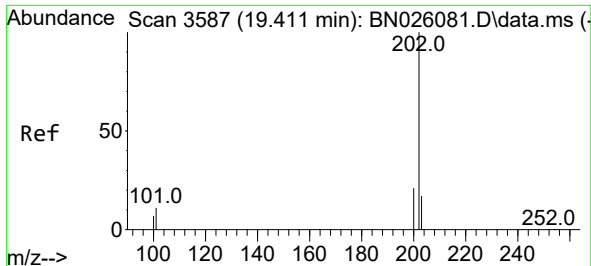
Tgt Ion:178 Resp: 89735  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 19.0  
176 19.4 15.8 23.6



#16  
Anthracene  
Concen: 0.192 ng/ul  
RT: 17.482 min Scan# 3150  
Delta R.T. -0.012 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

Tgt Ion:178 Resp: 16544  
Ion Ratio Lower Upper  
178 100  
179 18.4 12.6 18.8  
176 21.1 15.1 22.7

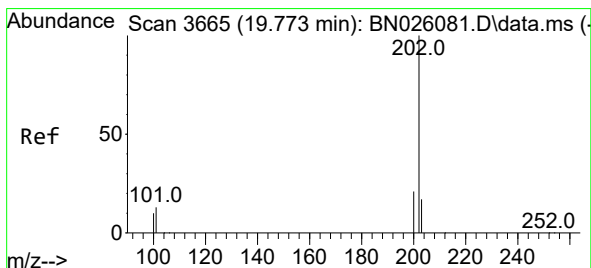
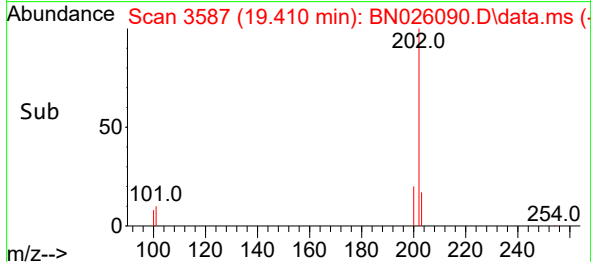
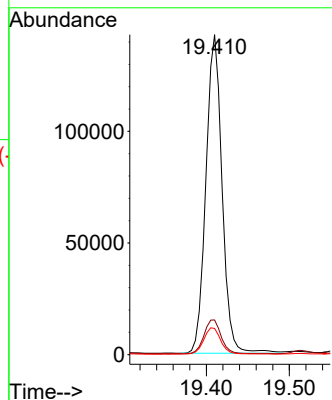
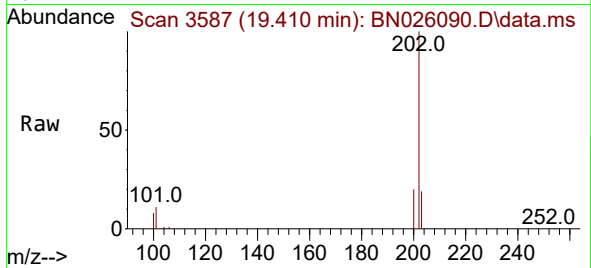




#19  
Fluoranthene  
Concen: 2.340 ng/ul  
RT: 19.410 min Scan# 3587  
Delta R.T. -0.004 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

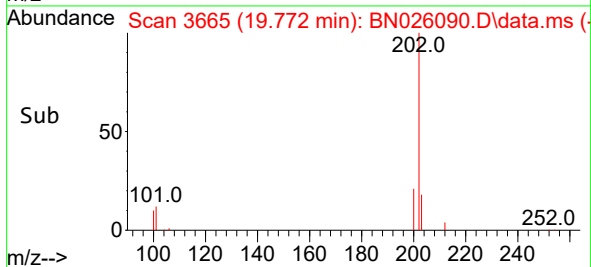
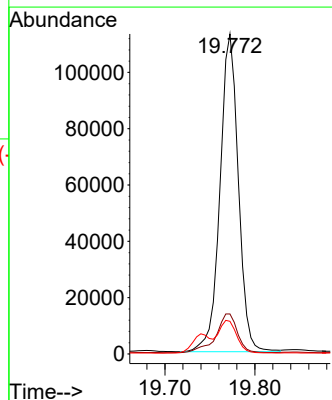
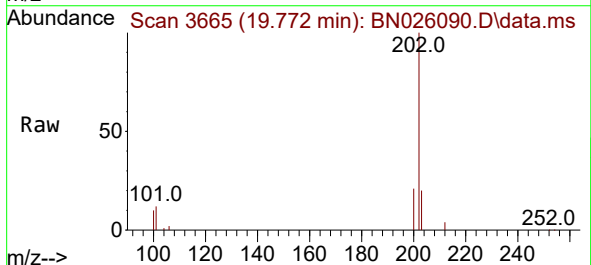
Instrument :  
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ClientSampleId :  
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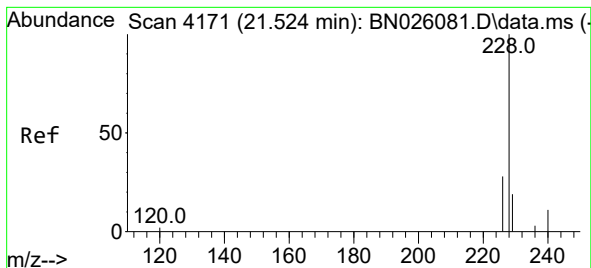
Tgt Ion:202 Resp: 193750  
Ion Ratio Lower Upper  
202 100  
101 10.8 9.5 14.3  
100 8.2 7.3 10.9



#20  
Pyrene  
Concen: 1.857 ng/ul  
RT: 19.772 min Scan# 3665  
Delta R.T. -0.004 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

Tgt Ion:202 Resp: 159858  
Ion Ratio Lower Upper  
202 100  
101 12.5 11.4 17.0  
100 10.2 9.1 13.7





#21

Benzo(a)anthracene

Concen: 1.081 ng/ul

RT: 21.523 min Scan# 4171

Delta R.T. -0.006 min

Lab File: BN026090.D

Acq: 29 Jun 2023 12:02

Instrument :

BNA\_N

ClientSampleId :

DCFT5RE

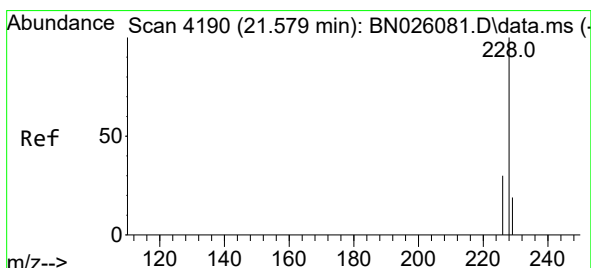
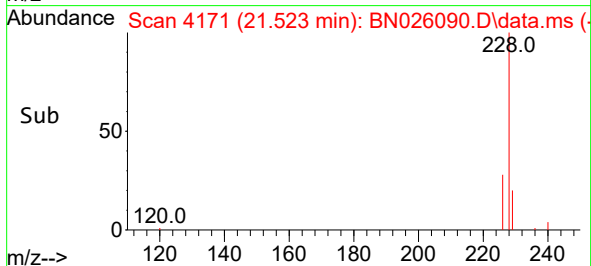
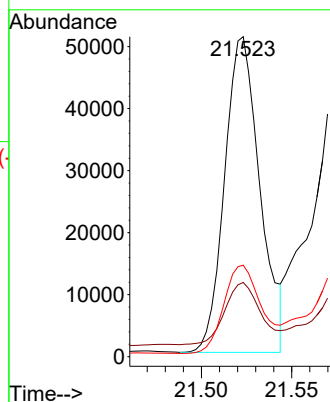
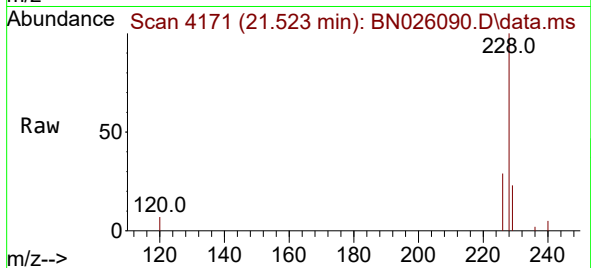
Tgt Ion:228 Resp: 69103

Ion Ratio Lower Upper

228 100

229 23.2 15.8 23.6

226 28.6 22.5 33.7



#22

Chrysene

Concen: 1.211 ng/ul

RT: 21.576 min Scan# 4189

Delta R.T. -0.003 min

Lab File: BN026090.D

Acq: 29 Jun 2023 12:02

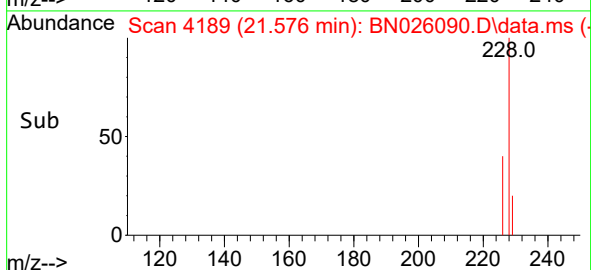
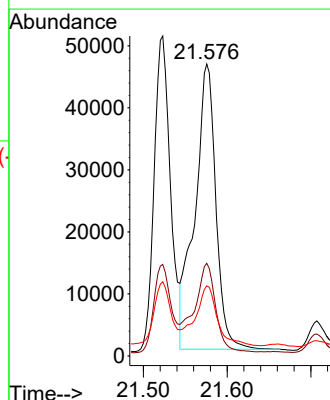
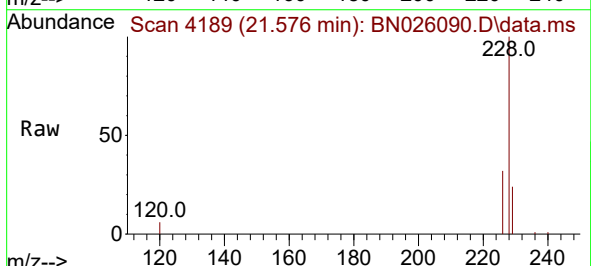
Tgt Ion:228 Resp: 80575

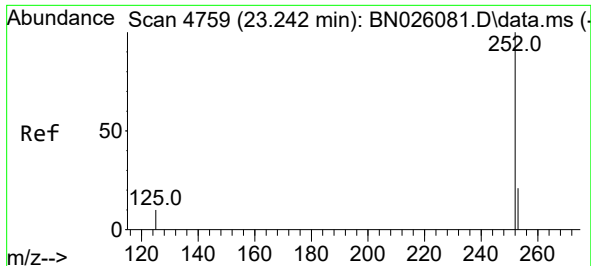
Ion Ratio Lower Upper

228 100

226 31.7 24.8 37.2

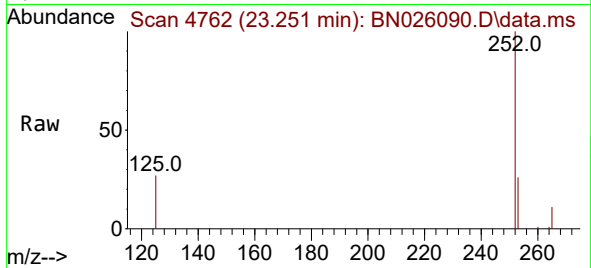
229 24.0 15.7 23.5#



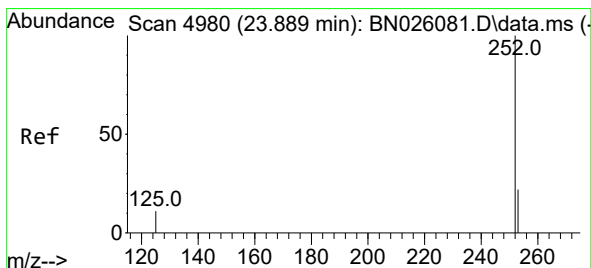
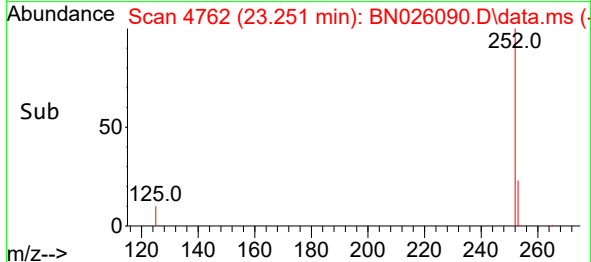
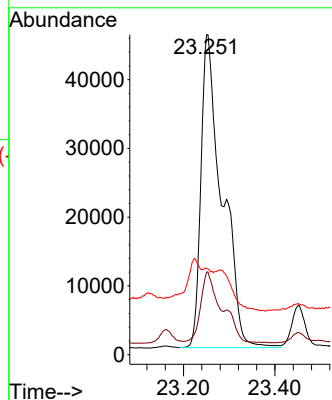


#24  
Benzo(b)fluoranthene  
Concen: 2.203 ng/ul  
RT: 23.251 min Scan# 4762  
Delta R.T. -0.003 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

Instrument :  
BNA\_N  
ClientSampleId :  
DCFT5RE

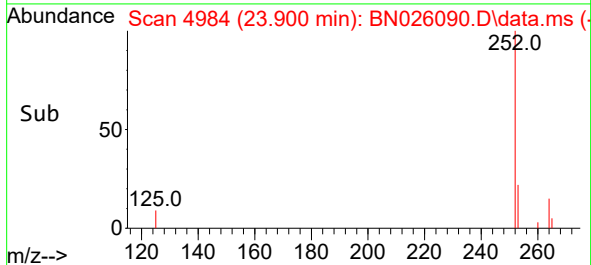
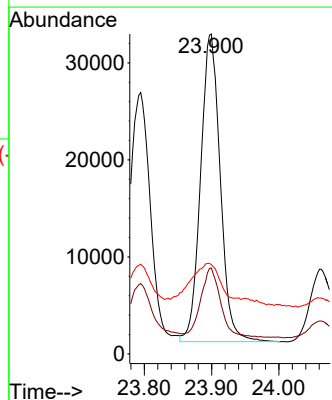
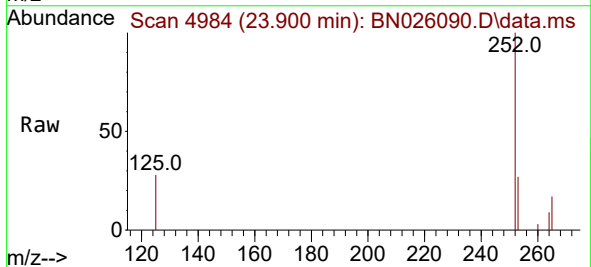


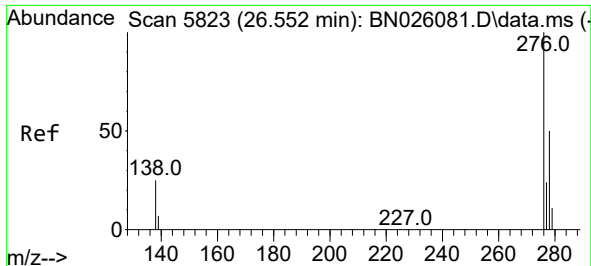
Tgt Ion:252 Resp: 146151  
Ion Ratio Lower Upper  
252 100  
253 25.8 0.0 55.6  
125 27.0 0.0 35.8



#26  
Benzo(a)pyrene  
Concen: 1.117 ng/ul  
RT: 23.900 min Scan# 4984  
Delta R.T. -0.006 min  
Lab File: BN026090.D  
Acq: 29 Jun 2023 12:02

Tgt Ion:252 Resp: 64375  
Ion Ratio Lower Upper  
252 100  
253 26.8 26.0 39.0  
125 27.9 17.3 25.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.882 ng/ul

RT: 26.578 min Scan# 5831

Delta R.T. -0.017 min

Lab File: BN026090.D

Acq: 29 Jun 2023 12:02

Instrument :

BNA\_N

ClientSampleId :

DCFT5RE

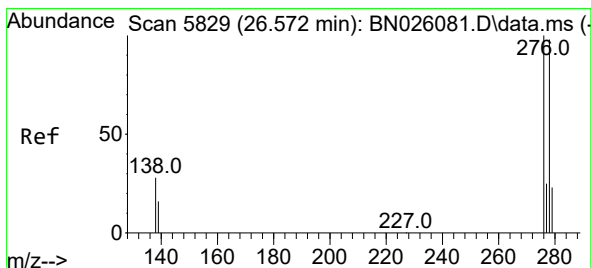
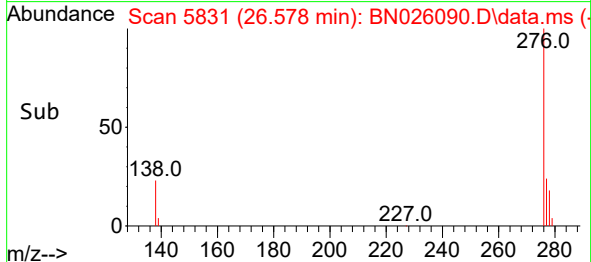
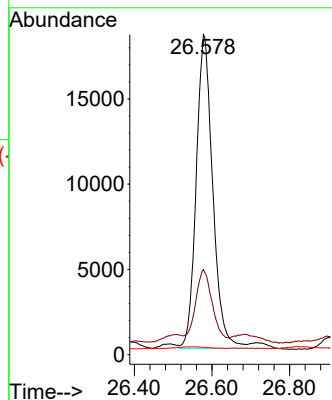
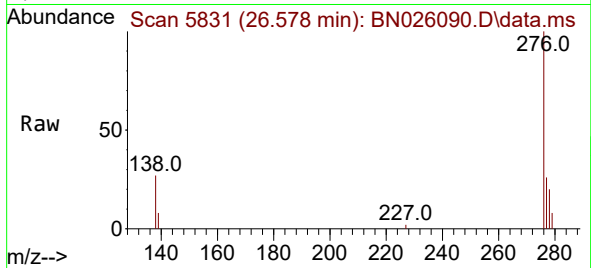
Tgt Ion:276 Resp: 55496

Ion Ratio Lower Upper

276 100

138 23.4 24.5 36.7#

227 0.0 0.0 0.0



#28

Dibenzo(a,h)anthracene

Concen: 0.277 ng/ul

RT: 26.588 min Scan# 5834

Delta R.T. -0.027 min

Lab File: BN026090.D

Acq: 29 Jun 2023 12:02

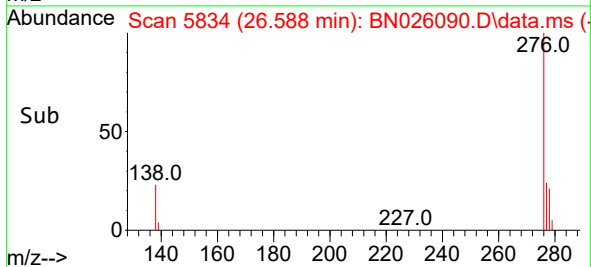
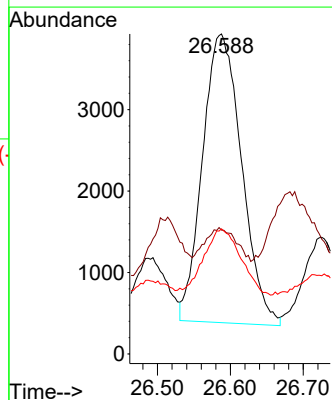
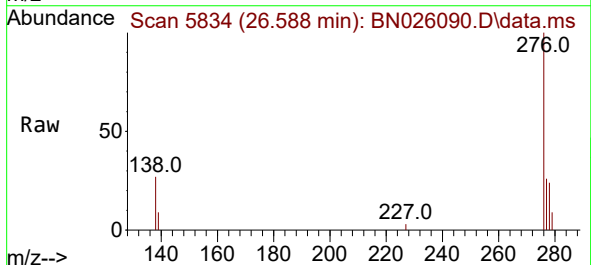
Tgt Ion:278 Resp: 13215

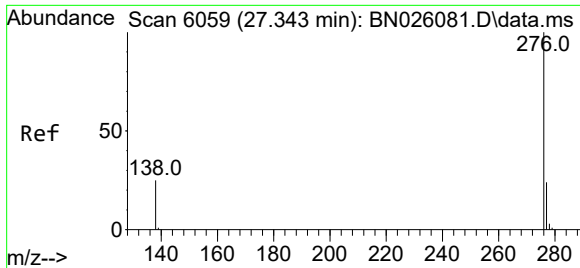
Ion Ratio Lower Upper

278 100

139 38.7 19.0 28.4#

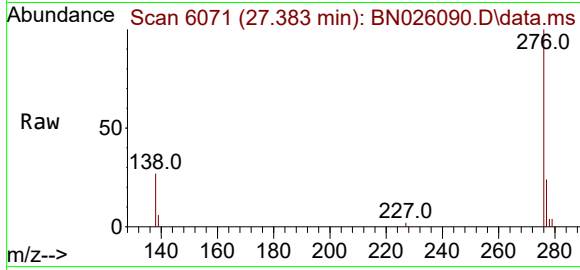
279 39.1 26.7 40.1





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.984 ng/ul  
 RT: 27.383 min Scan# 6071  
 Delta R.T. -0.003 min  
 Lab File: BN026090.D  
 Acq: 29 Jun 2023 12:02

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFT5RE



Tgt Ion: 276 Resp: 55077

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 26.7  | 23.4  | 35.0  |
| 277 | 24.4  | 20.0  | 30.0  |

