

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062223\  
 Data File : BN025930.D  
 Acq On : 22 Jun 2023 10:47  
 Operator : MA/JU  
 Sample : 03083-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFK1

Quant Time: Jun 23 01:02:05 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 : Thu Jun 22 01:27:41 2023  
 Response via : Initial Calibration

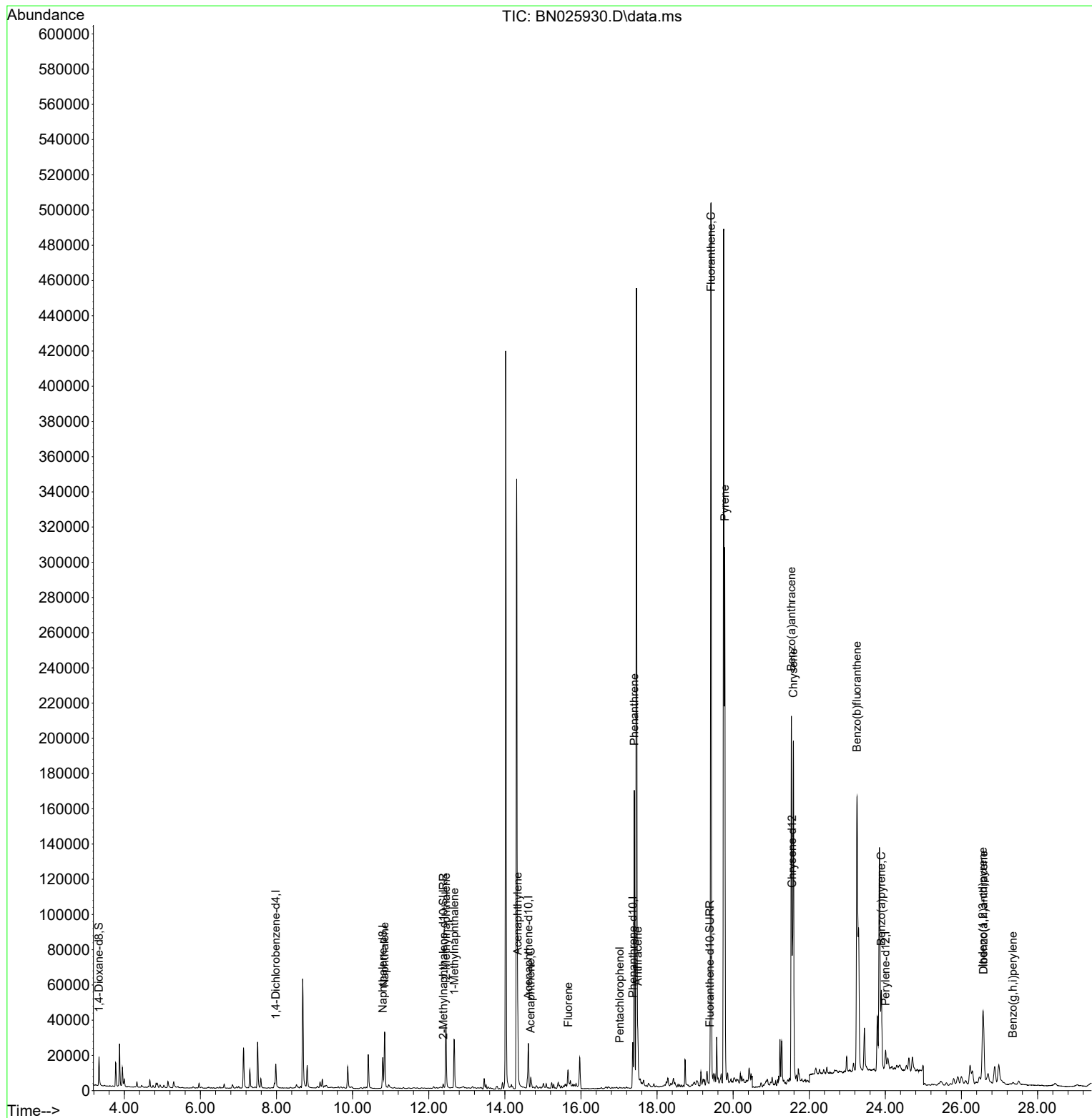
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.980  | 152  | 8020     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.791 | 136  | 24576    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.621 | 164  | 14713    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.363 | 188  | 31114    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.545 | 240  | 20596    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.004 | 264  | 15919    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.335  | 96   | 11285    | 1.249 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.380 | 152  | 3185     | 0.084 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.386 | 212  | 6844     | 0.087 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.840 | 128  | 47854    | 0.679 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.452 | 142  | 27417    | 0.611 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.672 | 142  | 20658    | 0.445 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.338 | 152  | 46031    | 0.668 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.681 | 153  | 3960     | 0.070 | ng/ul  | 96       |
| 12) Fluorene                | 15.666 | 166  | 5927     | 0.092 | ng/ul# | 93       |
| 14) Pentachlorophenol       | 17.017 | 266  | 240      | 0.022 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.401 | 178  | 185245   | 1.802 | ng/ul  | 100      |
| 16) Anthracene              | 17.494 | 178  | 27116    | 0.297 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.418 | 202  | 448425   | 4.076 | ng/ul  | 98       |
| 20) Pyrene                  | 19.781 | 202  | 251914   | 2.202 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.531 | 228  | 182683   | 2.150 | ng/ul  | 97       |
| 22) Chrysene                | 21.581 | 228  | 215266   | 2.435 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.255 | 252  | 376477   | 5.541 | ng/ul  | 91       |
| 26) Benzo(a)pyrene          | 23.893 | 252  | 66051    | 1.119 | ng/ul  | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.563 | 276  | 70948    | 1.101 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.580 | 278  | 29378    | 0.602 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 27.355 | 276  | 3451     | 0.060 | ng/ul# | 56       |

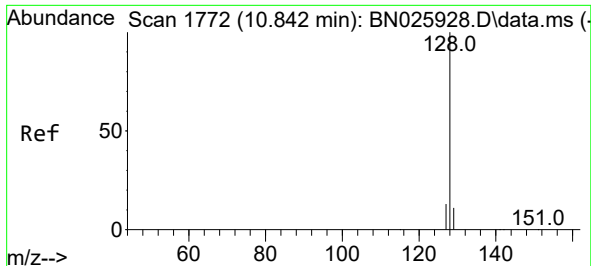
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062223\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 22 01:27:41 2023  
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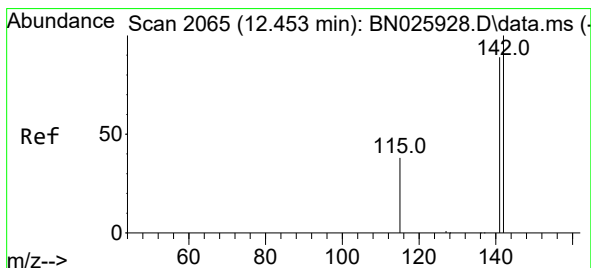
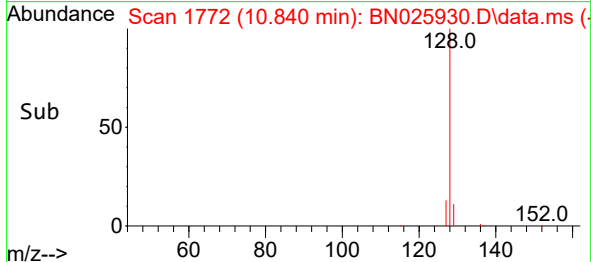
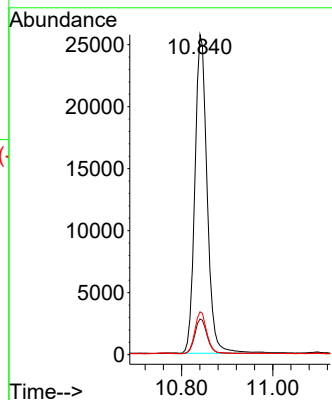
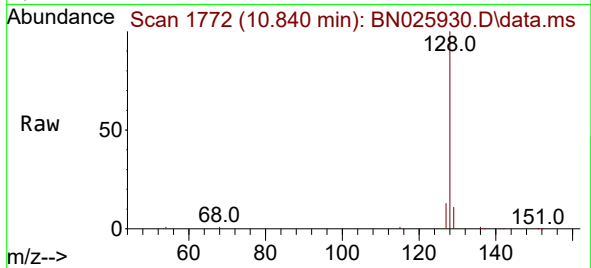




#5  
Naphthalene  
Concen: 0.679 ng/ul  
RT: 10.840 min Scan# 1772  
Delta R.T. -0.007 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

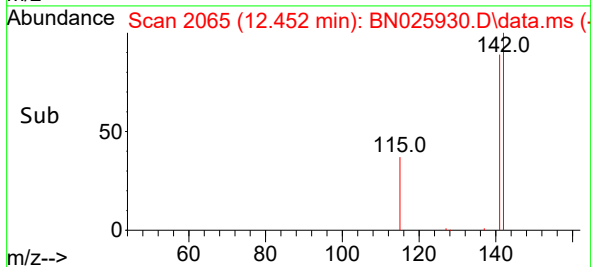
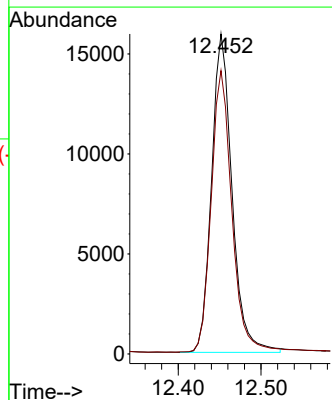
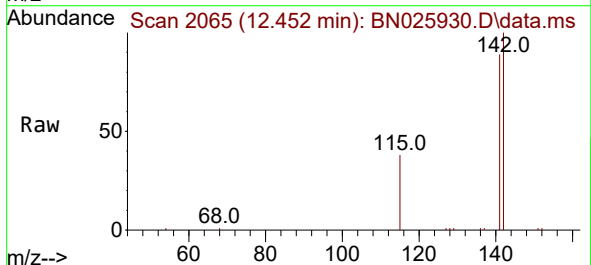
Instrument :  
BNA\_N  
ClientSampleId :  
DCFK1

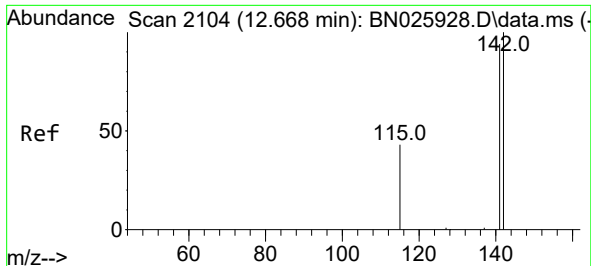
Tgt Ion:128 Resp: 47854  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.1 13.7  
127 13.4 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 0.611 ng/ul  
RT: 12.452 min Scan# 2065  
Delta R.T. -0.001 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

Tgt Ion:142 Resp: 27417  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.9 107.9

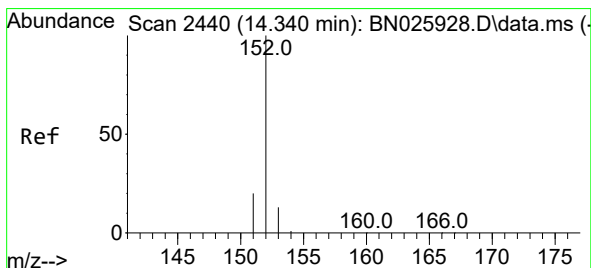
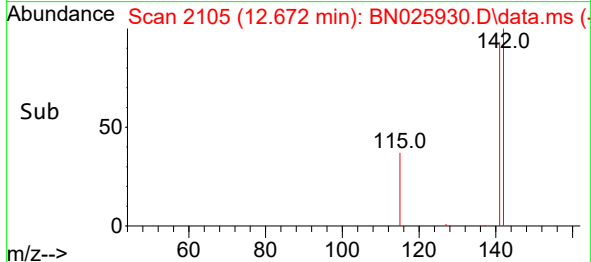
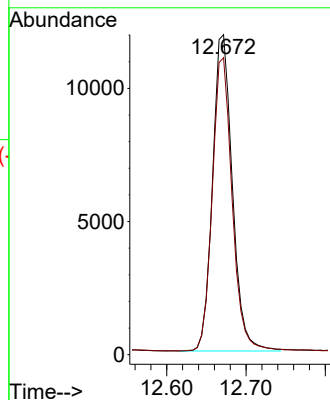
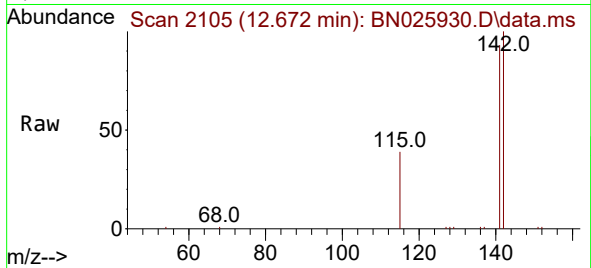




#8  
1-Methylnaphthalene  
Concen: 0.445 ng/ul  
RT: 12.672 min Scan# 2105  
Delta R.T. -0.001 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

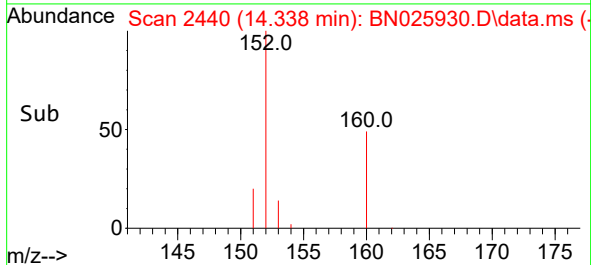
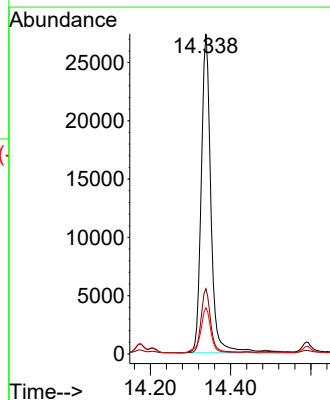
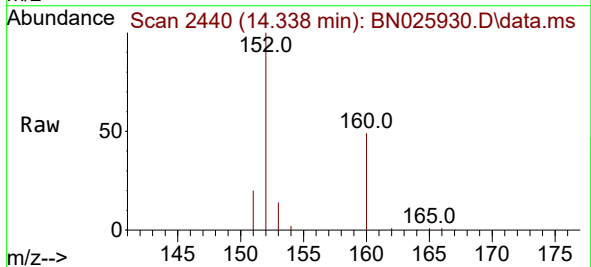
Instrument :  
BNA\_N  
ClientSampleId :  
DCFK1

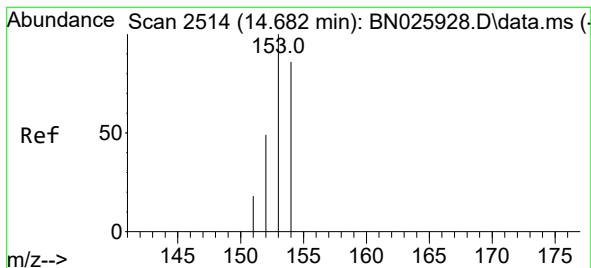
Tgt Ion:142 Resp: 20658  
Ion Ratio Lower Upper  
142 100  
141 92.3 74.2 111.4



#10  
Acenaphthylene  
Concen: 0.668 ng/ul  
RT: 14.338 min Scan# 2440  
Delta R.T. -0.005 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

Tgt Ion:152 Resp: 46031  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.4  
153 14.4 10.9 16.3





#11

Acenaphthene

Concen: 0.070 ng/ul

RT: 14.681 min Scan# 2514

Delta R.T. -0.001 min

Lab File: BN025930.D

Acq: 22 Jun 2023 10:47

Instrument :

BNA\_N

ClientSampleId :

DCFK1

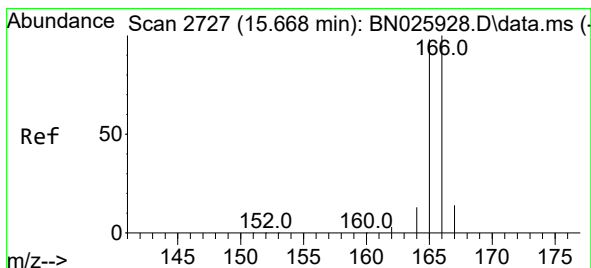
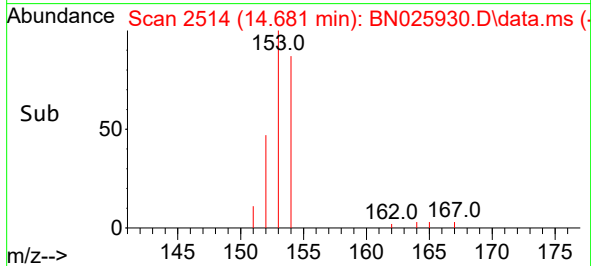
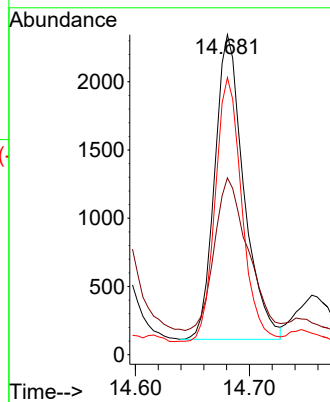
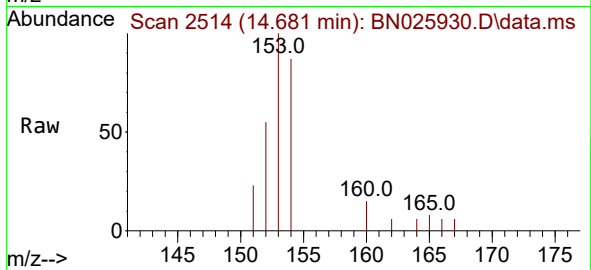
Tgt Ion:153 Resp: 3960

Ion Ratio Lower Upper

153 100

152 55.3 39.4 59.0

154 86.6 68.9 103.3



#12

Fluorene

Concen: 0.092 ng/ul

RT: 15.666 min Scan# 2727

Delta R.T. -0.001 min

Lab File: BN025930.D

Acq: 22 Jun 2023 10:47

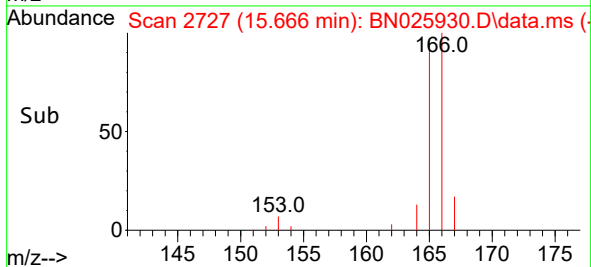
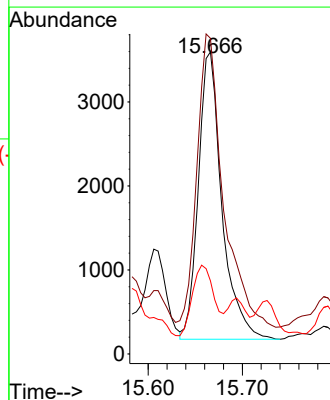
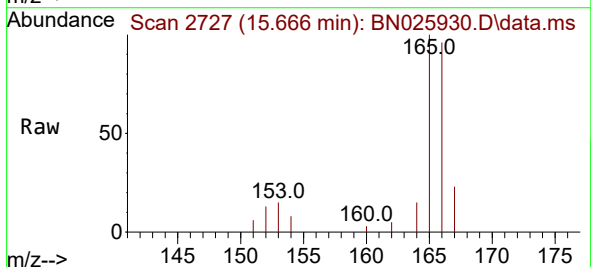
Tgt Ion:166 Resp: 5927

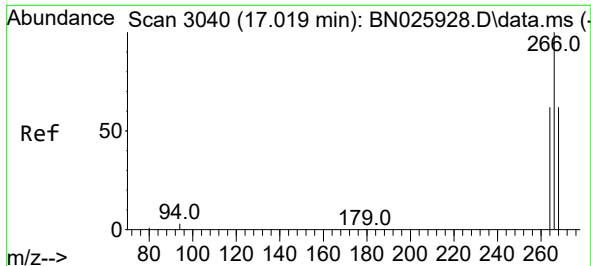
Ion Ratio Lower Upper

166 100

165 104.5 79.9 119.9

167 24.2 10.8 16.2#

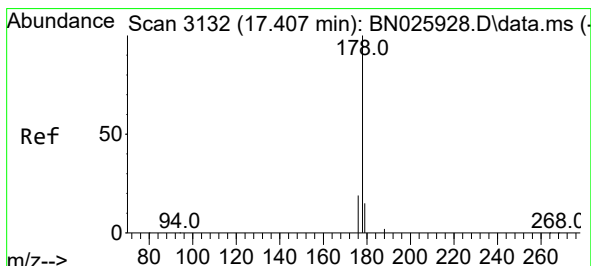
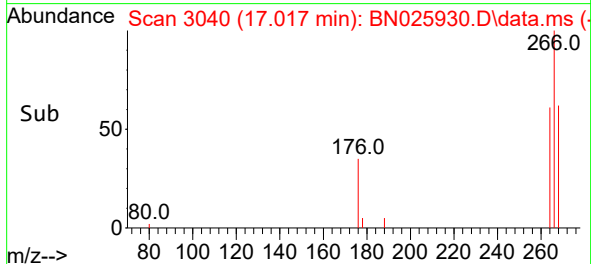
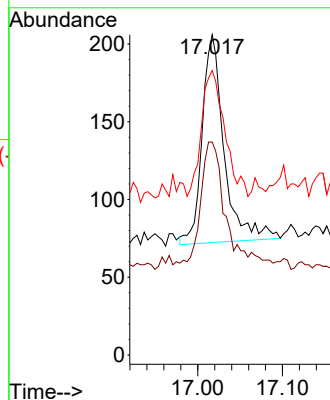
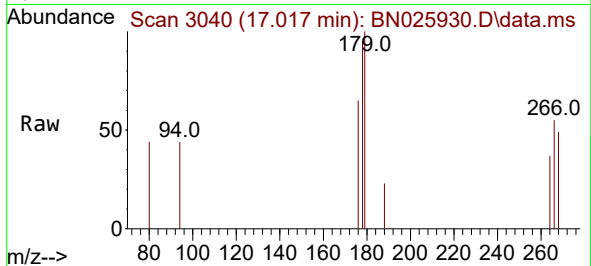




#14  
Pentachlorophenol  
Concen: 0.022 ng/ul  
RT: 17.017 min Scan# 3040  
Delta R.T. -0.001 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

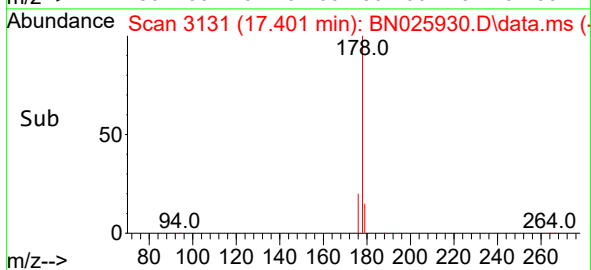
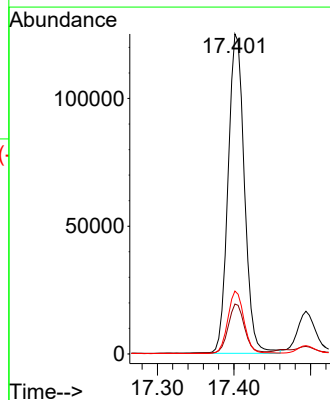
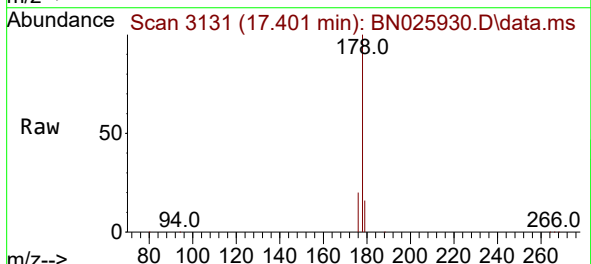
Instrument :  
BNA\_N  
ClientSampleId :  
DCFK1

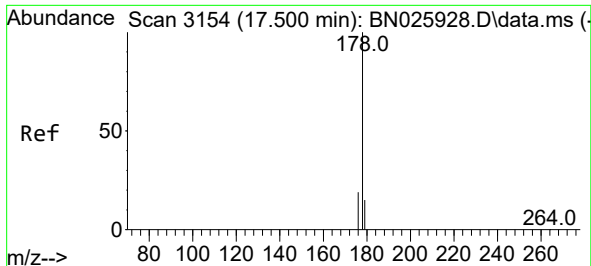
Tgt Ion:266 Resp: 240  
Ion Ratio Lower Upper  
266 100  
264 65.0 50.5 75.7  
268 64.6 51.6 77.4



#15  
Phenanthrene  
Concen: 1.802 ng/ul  
RT: 17.401 min Scan# 3131  
Delta R.T. -0.005 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

Tgt Ion:178 Resp: 185245  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 19.0  
176 19.7 15.8 23.6

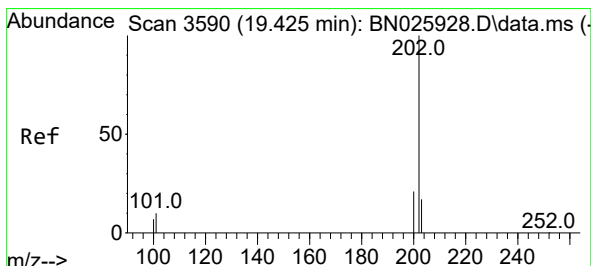
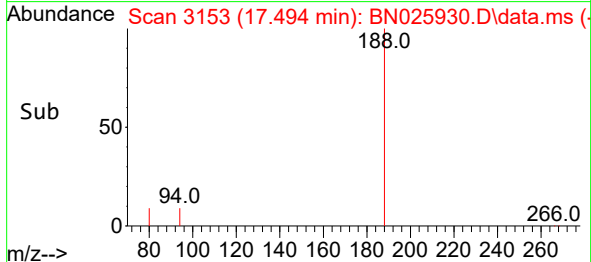
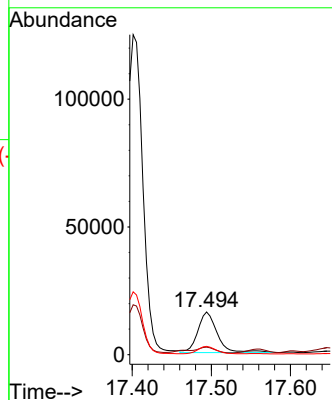
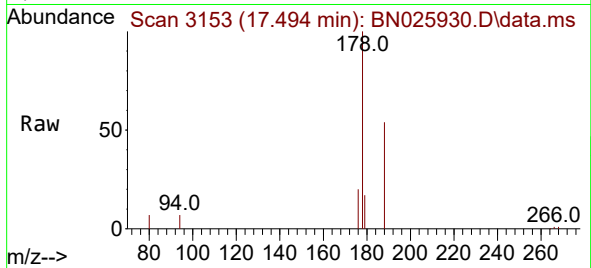




#16  
 Anthracene  
 Concen: 0.297 ng/ul  
 RT: 17.494 min Scan# 3153  
 Delta R.T. -0.005 min  
 Lab File: BN025930.D  
 Acq: 22 Jun 2023 10:47

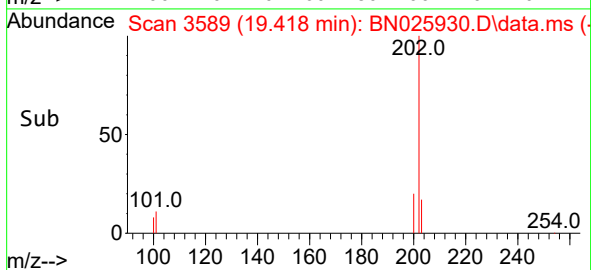
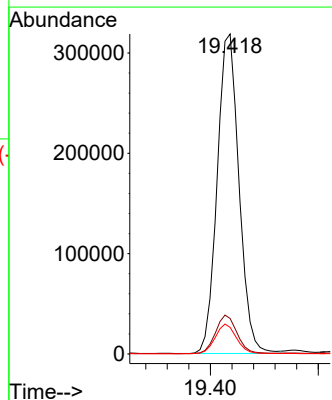
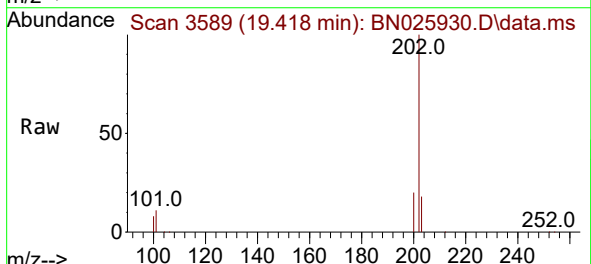
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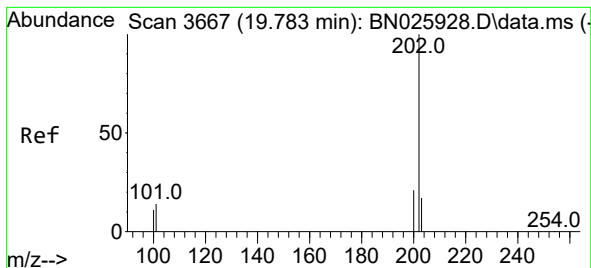
Tgt Ion:178 Resp: 27116  
 Ion Ratio Lower Upper  
 178 100  
 179 17.4 12.6 18.8  
 176 19.5 15.1 22.7



#19  
 Fluoranthene  
 Concen: 4.076 ng/ul  
 RT: 19.418 min Scan# 3589  
 Delta R.T. -0.001 min  
 Lab File: BN025930.D  
 Acq: 22 Jun 2023 10:47

Tgt Ion:202 Resp: 448425  
 Ion Ratio Lower Upper  
 202 100  
 101 11.1 9.5 14.3  
 100 8.3 7.3 10.9





#20

Pyrene

Concen: 2.202 ng/ul

RT: 19.781 min Scan# 3667

Delta R.T. -0.001 min

Lab File: BN025930.D

Acq: 22 Jun 2023 10:47

Instrument :

BNA\_N

ClientSampleId :

DCFK1

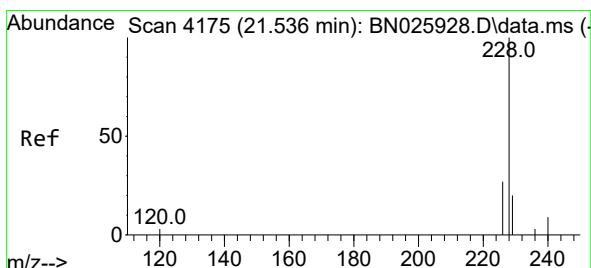
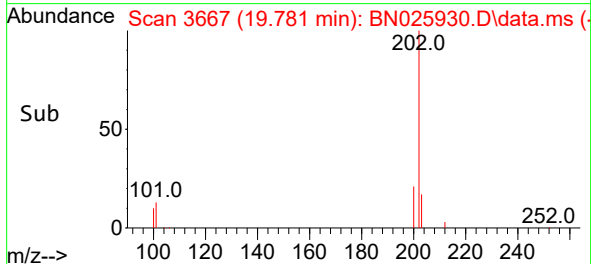
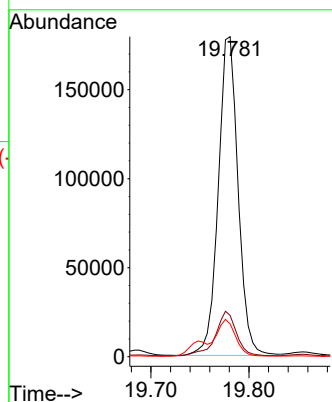
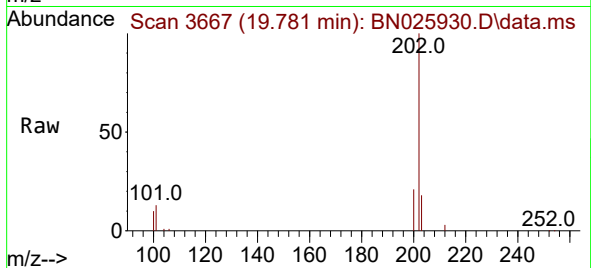
Tgt Ion:202 Resp: 251914

Ion Ratio Lower Upper

202 100

101 12.9 11.4 17.0

100 10.3 9.1 13.7



#21

Benzo(a)anthracene

Concen: 2.150 ng/ul

RT: 21.531 min Scan# 4174

Delta R.T. -0.001 min

Lab File: BN025930.D

Acq: 22 Jun 2023 10:47

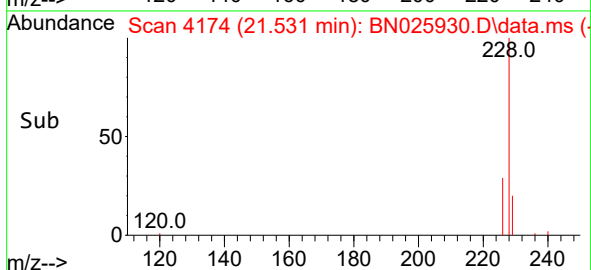
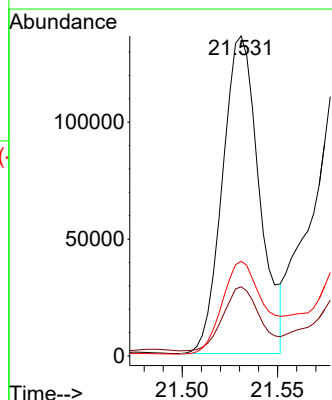
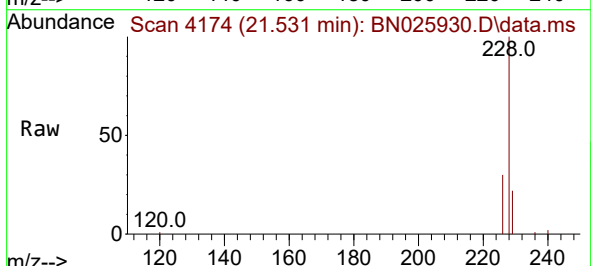
Tgt Ion:228 Resp: 182683

Ion Ratio Lower Upper

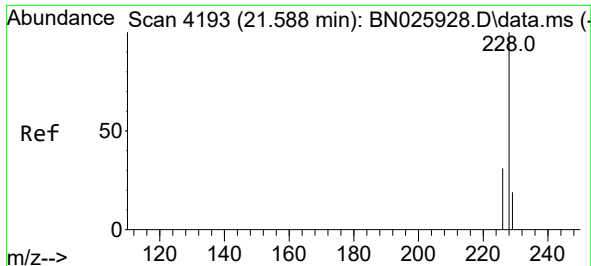
228 100

229 21.6 15.8 23.6

226 29.6 22.5 33.7







#22

Chrysene

Concen: 2.435 ng/ul

RT: 21.581 min Scan# 4191

Delta R.T. -0.004 min

Lab File: BN025930.D

Acq: 22 Jun 2023 10:47

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BNA\_N

ClientSampleId :

DCFK1

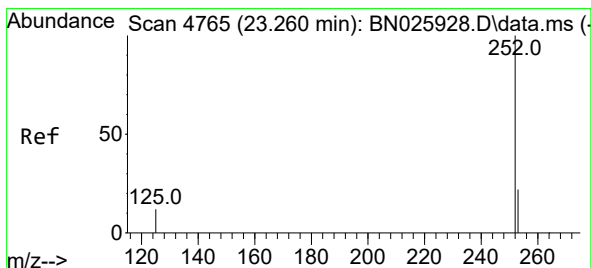
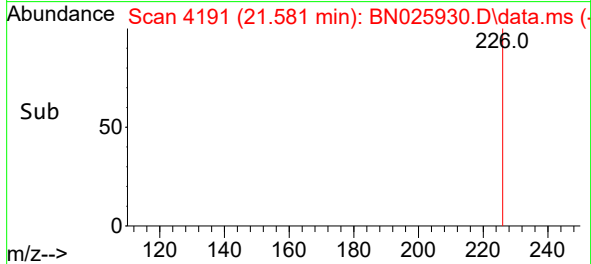
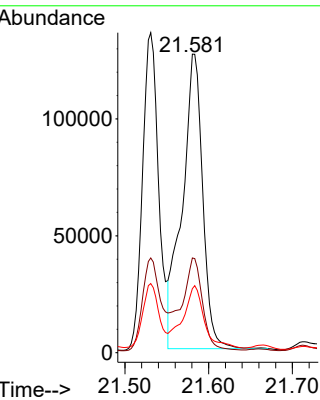
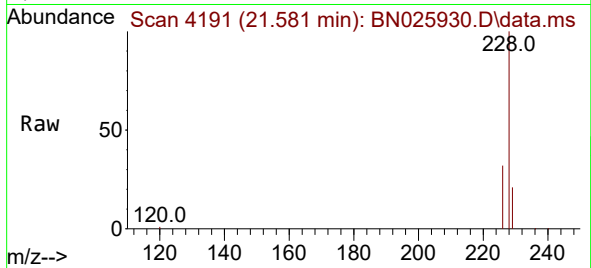
Tgt Ion:228 Resp: 215266

Ion Ratio Lower Upper

228 100

226 31.7 24.8 37.2

229 21.4 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 5.541 ng/ul

RT: 23.255 min Scan# 4764

Delta R.T. -0.001 min

Lab File: BN025930.D

Acq: 22 Jun 2023 10:47

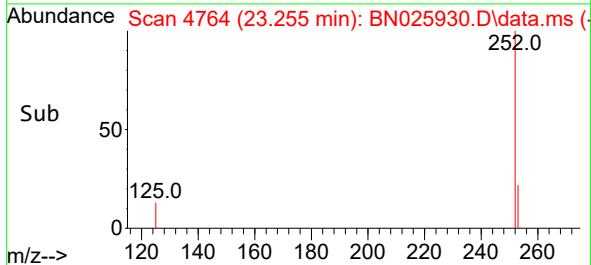
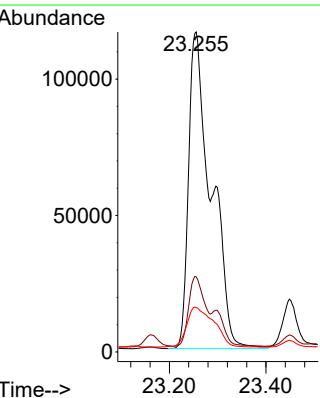
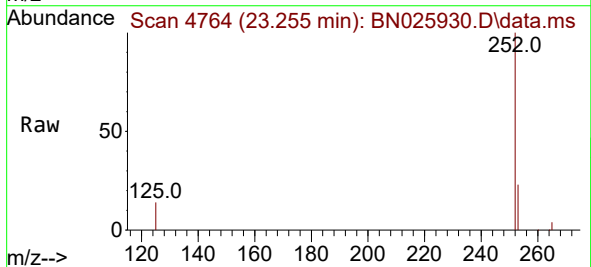
Tgt Ion:252 Resp: 376477

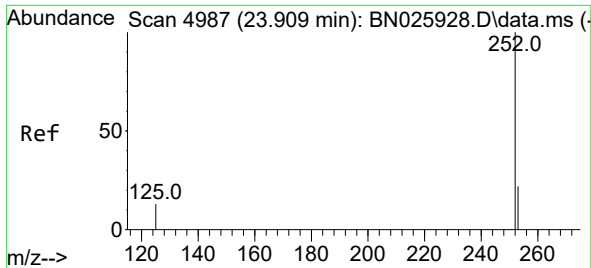
Ion Ratio Lower Upper

252 100

253 23.5 0.0 55.6

125 13.9 0.0 35.8

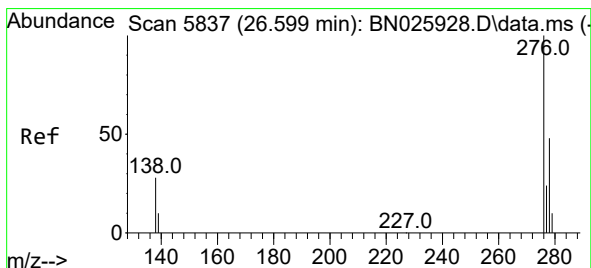
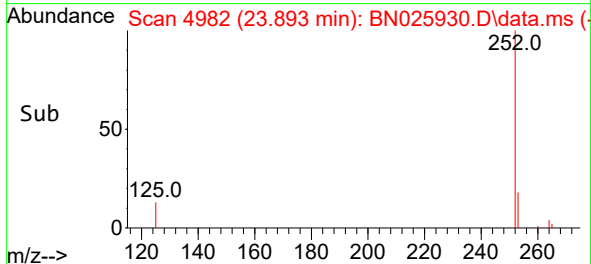
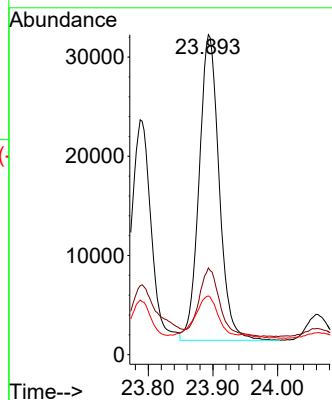
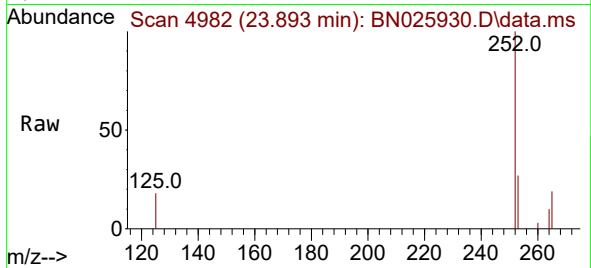




#26  
Benzo(a)pyrene  
Concen: 1.119 ng/ul  
RT: 23.893 min Scan# 4982  
Delta R.T. -0.016 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

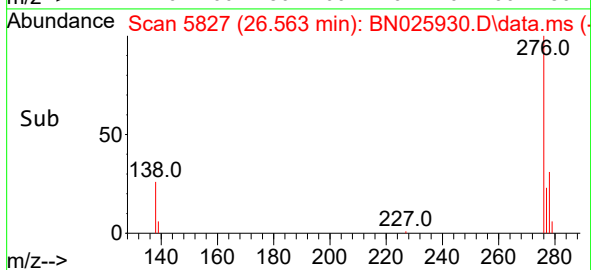
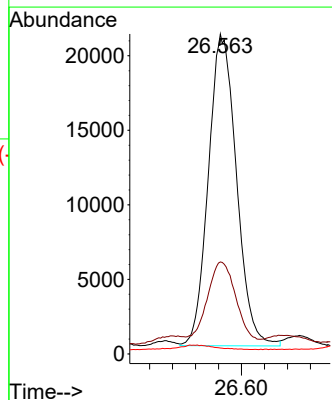
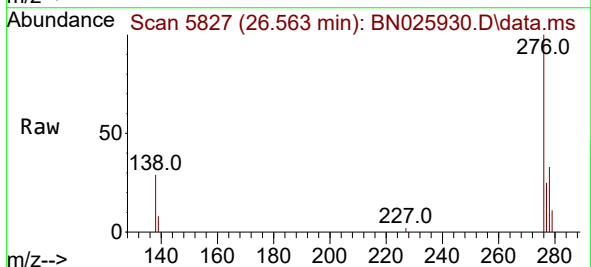
Instrument :  
BNA\_N  
ClientSampleId :  
DCFK1

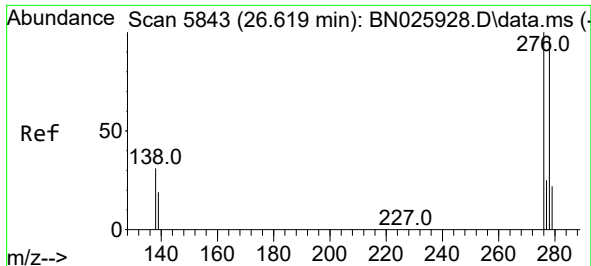
Tgt Ion:252 Resp: 66051  
Ion Ratio Lower Upper  
252 100  
253 27.1 26.0 39.0  
125 18.4 17.3 25.9



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.101 ng/ul  
RT: 26.563 min Scan# 5827  
Delta R.T. -0.031 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

Tgt Ion:276 Resp: 70948  
Ion Ratio Lower Upper  
276 100  
138 26.9 24.5 36.7  
227 0.0 0.0 0.0

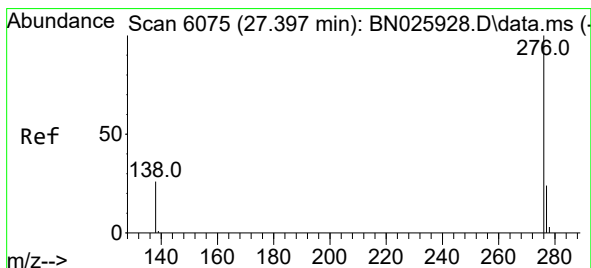
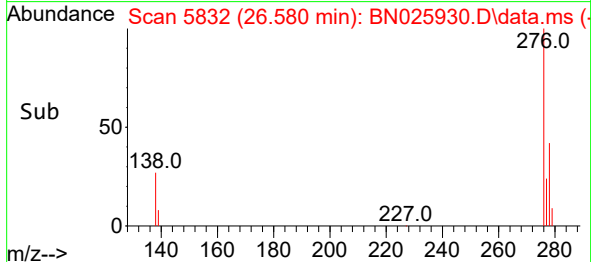
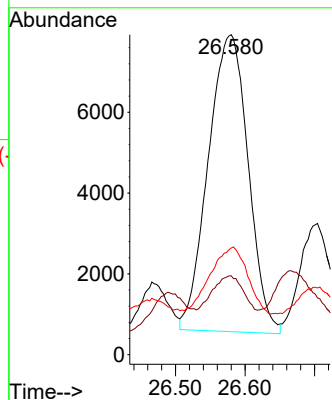
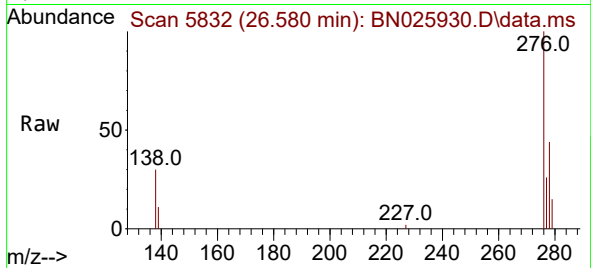




#28  
Dibenzo(a,h)anthracene  
Concen: 0.602 ng/ul  
RT: 26.580 min Scan# 51  
Delta R.T. -0.041 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

Instrument :  
BNA\_N  
ClientSampleId :  
DCFK1

Tgt Ion:278 Resp: 29378  
Ion Ratio Lower Upper  
278 100  
139 24.6 19.0 28.4  
279 33.3 26.7 40.1



#29  
Benzo(g,h,i)perylene  
Concen: 0.060 ng/ul  
RT: 27.355 min Scan# 6063  
Delta R.T. -0.031 min  
Lab File: BN025930.D  
Acq: 22 Jun 2023 10:47

Tgt Ion:276 Resp: 3451  
Ion Ratio Lower Upper  
276 100  
138 56.4 23.4 35.0#  
277 43.4 20.0 30.0#

