

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027073.D  
 Acq On : 23 Aug 2023 22:10  
 Operator : MA/JU  
 Sample : 03968-33  
 Misc :  
 ALS Vial : 94 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Aug 24 01:40:04 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 23 02:28:27 2023  
 Response via : Initial Calibration

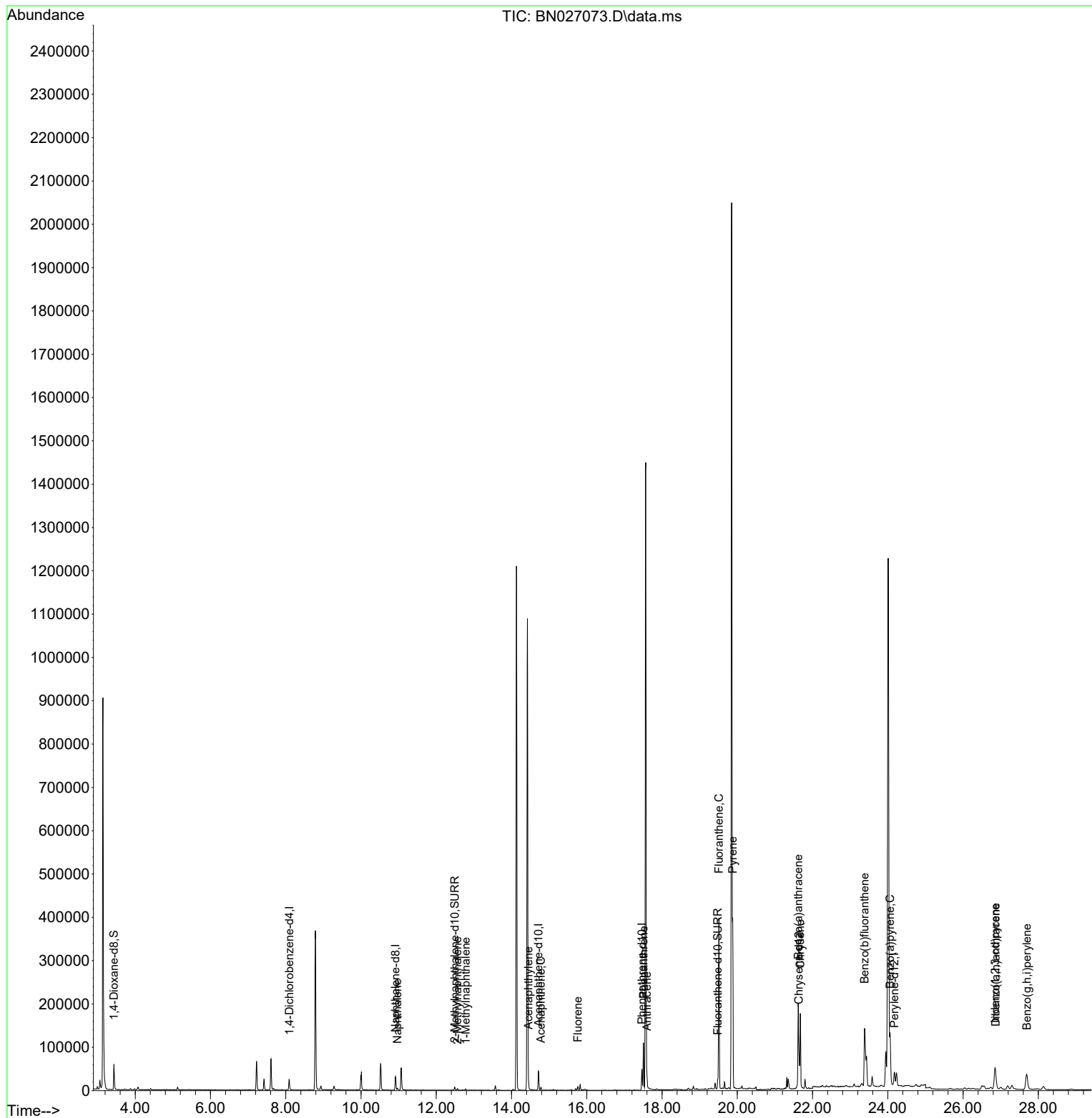
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.093  | 152  | 12250    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.916 | 136  | 41648    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.717 | 164  | 24519    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.464 | 188  | 54625    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.635 | 240  | 45931    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.173 | 264  | 45622    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.435  | 96   | 39749    | 2.733 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.489 | 152  | 8796     | 0.144 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.478 | 212  | 23920    | 0.165 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.966 | 128  | 5907     | 0.050 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 12.561 | 142  | 2638     | 0.037 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.781 | 142  | 1954     | 0.026 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.448 | 152  | 20085    | 0.146 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.782 | 153  | 3730     | 0.039 | ng/ul  | 98       |
| 12) Fluorene                | 15.762 | 166  | 5416     | 0.050 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.506 | 178  | 114575   | 0.638 | ng/ul  | 100      |
| 16) Anthracene              | 17.599 | 178  | 25004    | 0.154 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.511 | 202  | 337141   | 1.767 | ng/ul  | 98       |
| 20) Pyrene                  | 19.878 | 202  | 312754   | 1.536 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.618 | 228  | 173891   | 0.952 | ng/ul  | 98       |
| 22) Chrysene                | 21.673 | 228  | 178930   | 0.992 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.383 | 252  | 337637   | 1.957 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 24.059 | 252  | 171404   | 1.101 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.851 | 276  | 98248    | 0.482 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.864 | 278  | 22948    | 0.141 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 27.693 | 276  | 89866    | 0.530 | ng/ul  | 100      |

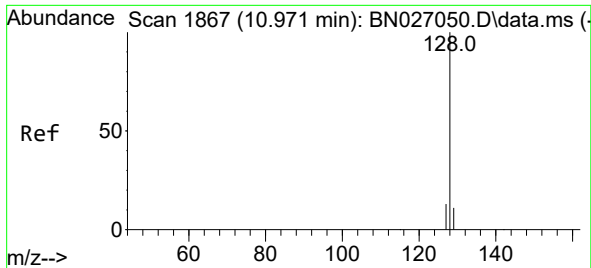
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
Data File : BN027073.D  
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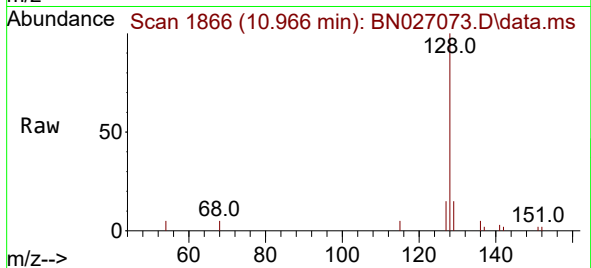
Quant Time: Aug 24 01:40:04 2023  
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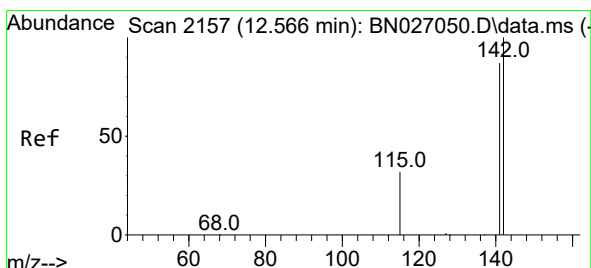
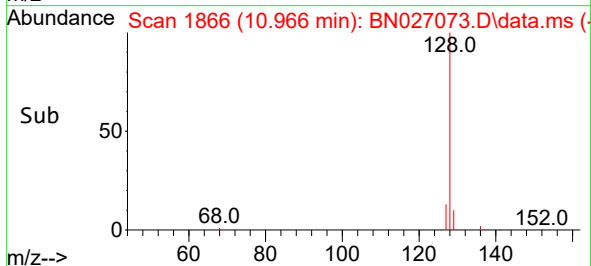
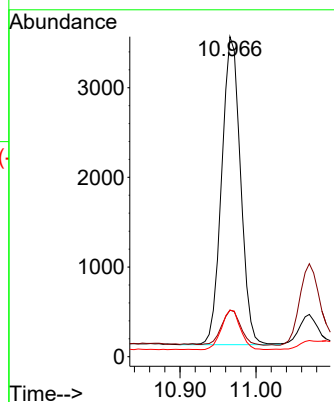


#5  
Naphthalene  
Concen: 0.050 ng/ul  
RT: 10.966 min Scan# 1866  
Delta R.T. -0.006 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

Instrument :  
BNA\_P  
ClientSampleId :

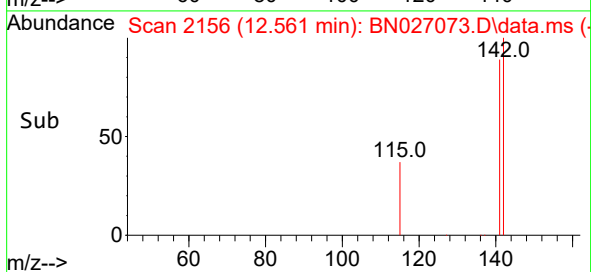
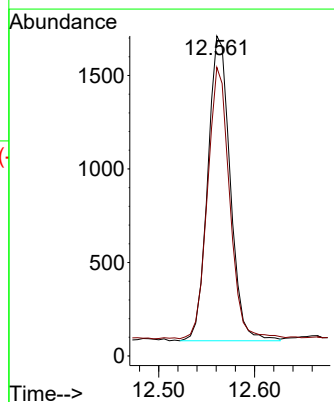
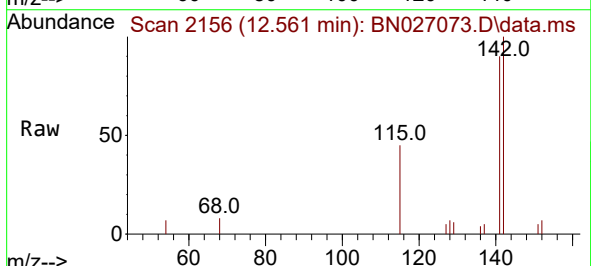


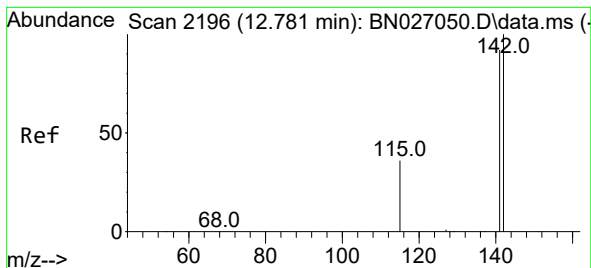
Tgt Ion:128 Resp: 5907  
Ion Ratio Lower Upper  
128 100  
129 14.6 9.2 13.8#  
127 14.6 10.5 15.7



#7  
2-Methylnaphthalene  
Concen: 0.037 ng/ul  
RT: 12.561 min Scan# 2156  
Delta R.T. -0.006 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

Tgt Ion:142 Resp: 2638  
Ion Ratio Lower Upper  
142 100  
141 87.7 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.026 ng/ul

RT: 12.781 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BN027073.D

Acq: 23 Aug 2023 22:10

Instrument :

BNA\_P

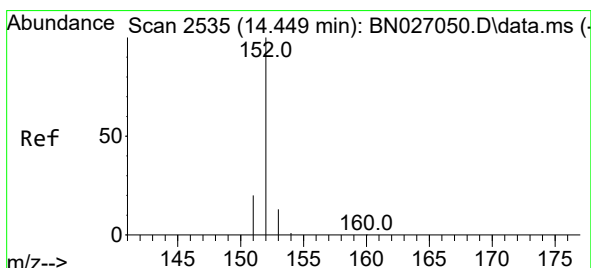
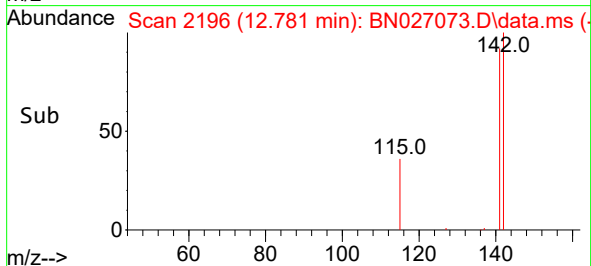
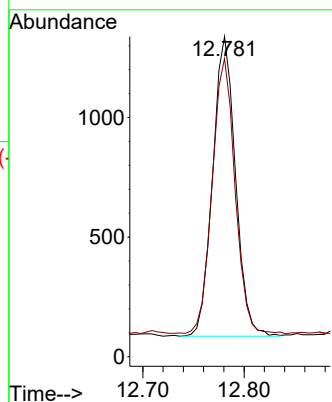
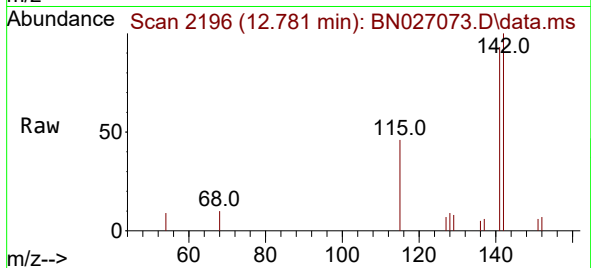
ClientSampleId :

Tgt Ion:142 Resp: 1954

Ion Ratio Lower Upper

142 100

141 92.2 73.2 109.8



#10

Acenaphthylene

Concen: 0.146 ng/ul

RT: 14.448 min Scan# 2535

Delta R.T. -0.005 min

Lab File: BN027073.D

Acq: 23 Aug 2023 22:10

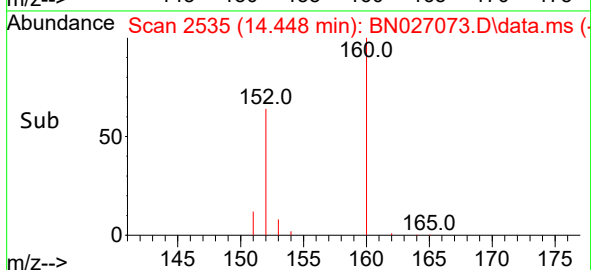
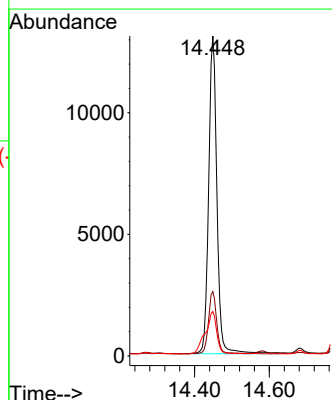
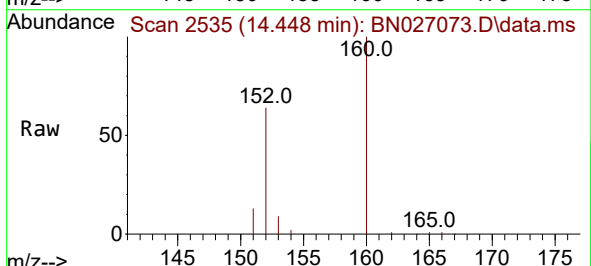
Tgt Ion:152 Resp: 20085

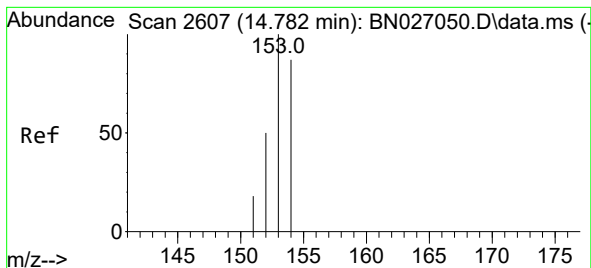
Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.9 11.0 16.6





#11

Acenaphthene

Concen: 0.039 ng/ul

RT: 14.782 min Scan# 21

Delta R.T. -0.005 min

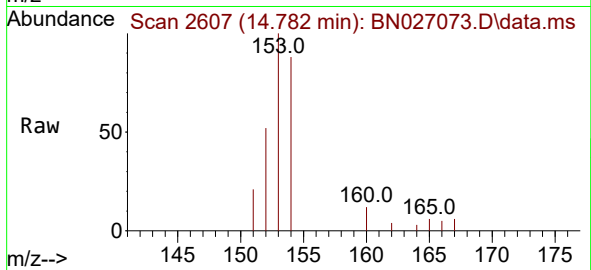
Lab File: BN027073.D

Acq: 23 Aug 2023 22:10

Instrument :

BNA\_P

ClientSampleId :



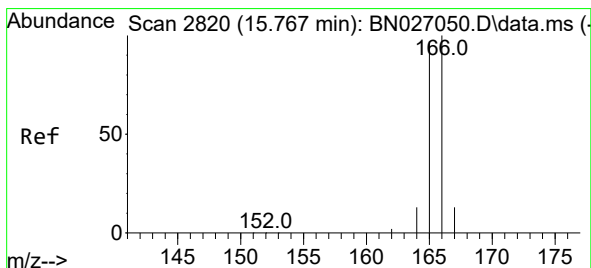
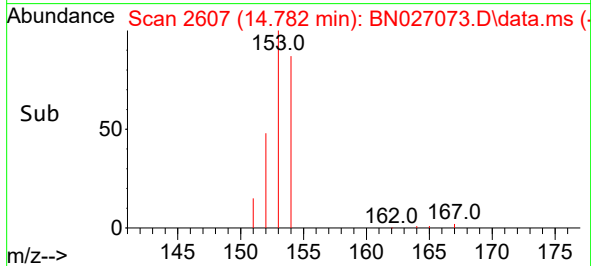
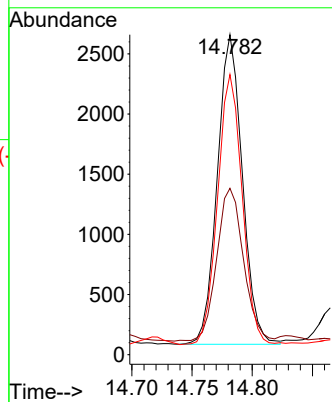
Tgt Ion:153 Resp: 3730

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 153 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 152 | 52.0 | 41.1 | 61.7 |
|-----|------|------|------|

|     |      |      |       |
|-----|------|------|-------|
| 154 | 87.6 | 71.6 | 107.4 |
|-----|------|------|-------|



#12

Fluorene

Concen: 0.050 ng/ul

RT: 15.762 min Scan# 2819

Delta R.T. -0.005 min

Lab File: BN027073.D

Acq: 23 Aug 2023 22:10

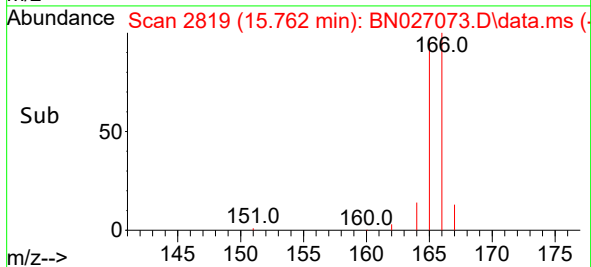
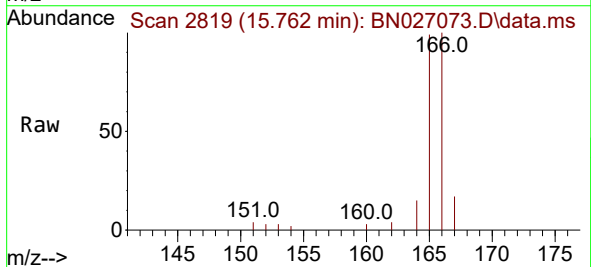
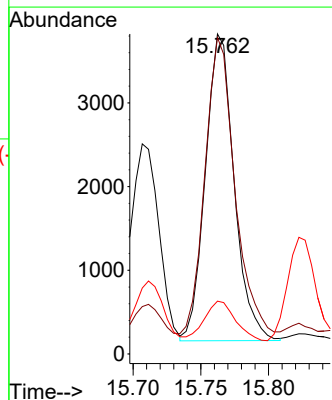
Tgt Ion:166 Resp: 5416

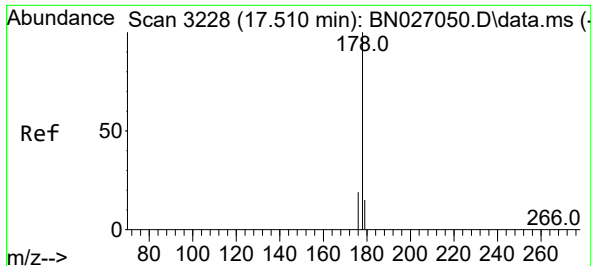
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 166 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |       |
|-----|------|------|-------|
| 165 | 98.9 | 79.1 | 118.7 |
|-----|------|------|-------|

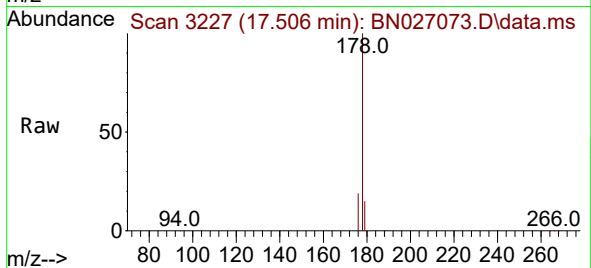
|     |      |      |      |
|-----|------|------|------|
| 167 | 16.5 | 11.4 | 17.0 |
|-----|------|------|------|



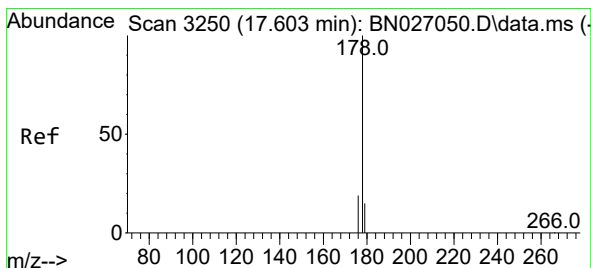
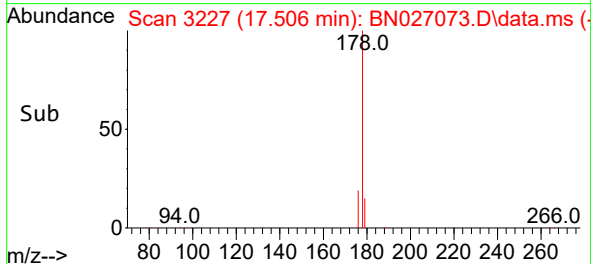
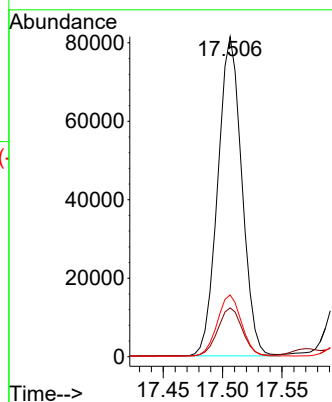


#15  
Phenanthrene  
Concen: 0.638 ng/ul  
RT: 17.506 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

Instrument :  
BNA\_P  
ClientSampleId :

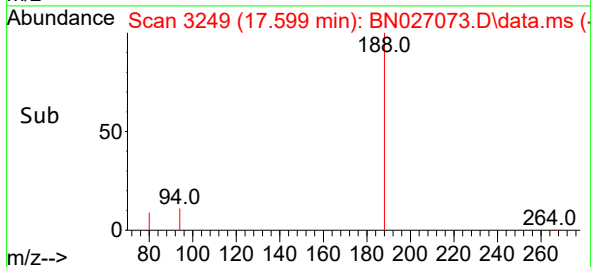
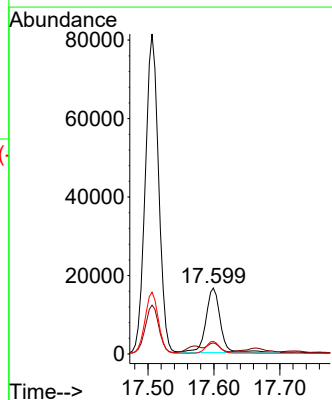
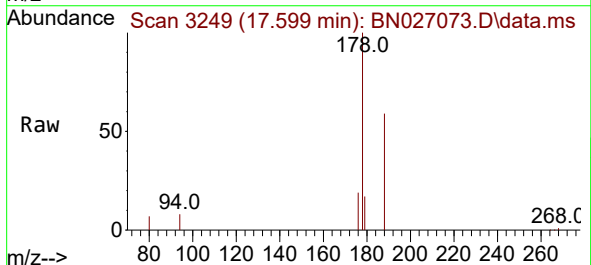


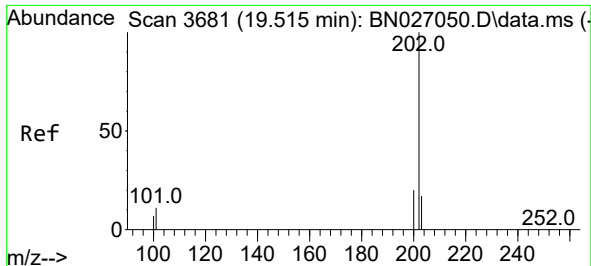
Tgt Ion:178 Resp: 114575  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.6 18.8  
176 19.3 15.4 23.2



#16  
Anthracene  
Concen: 0.154 ng/ul  
RT: 17.599 min Scan# 3249  
Delta R.T. -0.004 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

Tgt Ion:178 Resp: 25004  
Ion Ratio Lower Upper  
178 100  
179 16.7 12.6 19.0  
176 19.1 15.0 22.6

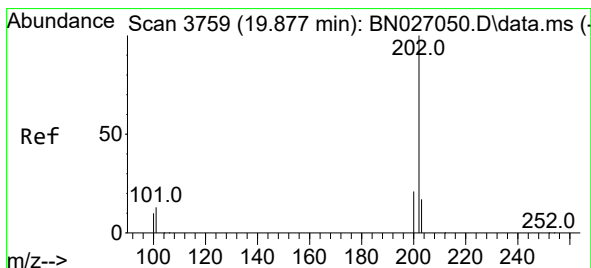
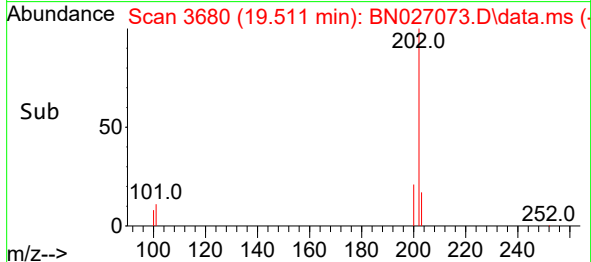
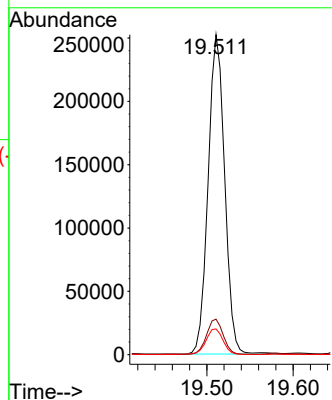
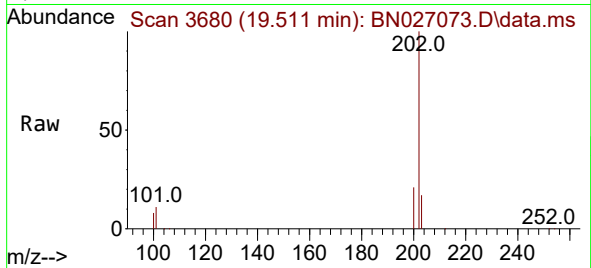




#19  
Fluoranthene  
Concen: 1.767 ng/ul  
RT: 19.511 min Scan# 3681  
Delta R.T. -0.005 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

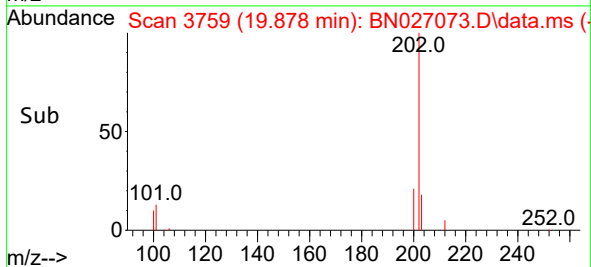
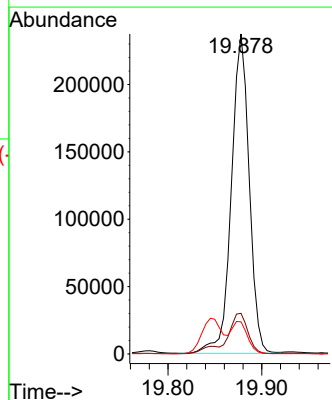
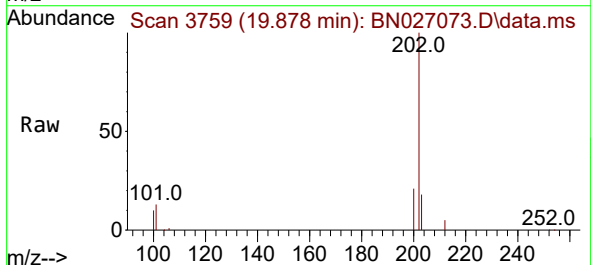
Instrument :  
BNA\_P  
ClientSampleId :

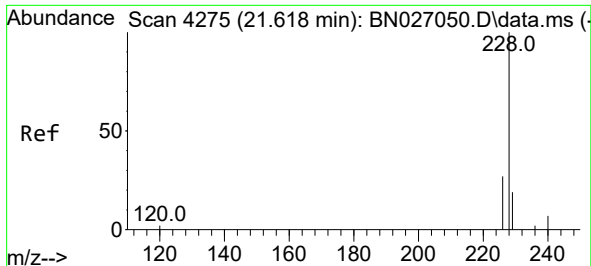
Tgt Ion:202 Resp: 337141  
Ion Ratio Lower Upper  
202 100  
101 11.1 8.3 12.5  
100 8.1 6.2 9.2



#20  
Pyrene  
Concen: 1.536 ng/ul  
RT: 19.878 min Scan# 3759  
Delta R.T. -0.005 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

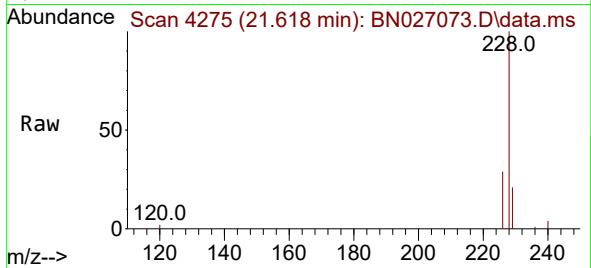
Tgt Ion:202 Resp: 312754  
Ion Ratio Lower Upper  
202 100  
101 12.7 10.7 16.1  
100 10.0 8.5 12.7



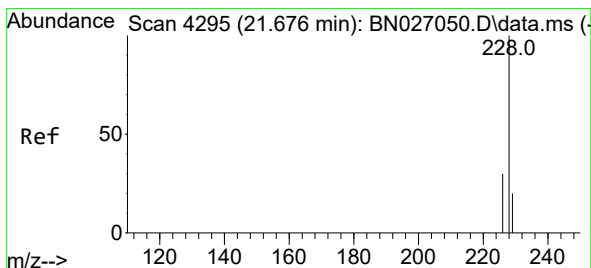
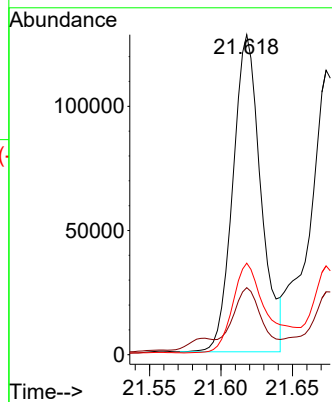
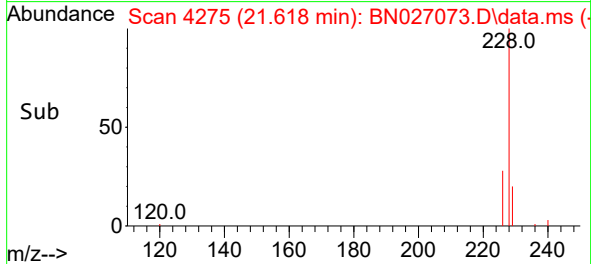


#21  
Benzo(a)anthracene  
Concen: 0.952 ng/ul  
RT: 21.618 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

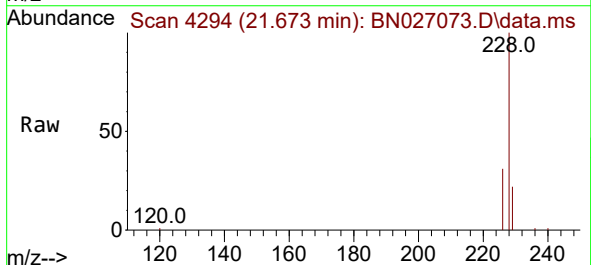
Instrument :  
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ClientSampleId :



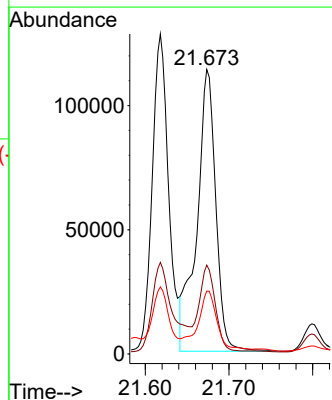
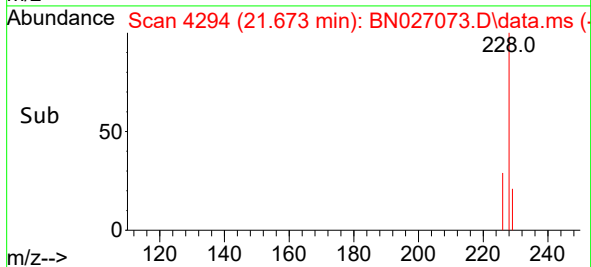
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Ion Ratio Lower Upper  
228 100  
229 21.0 16.0 24.0  
226 28.6 22.2 33.2



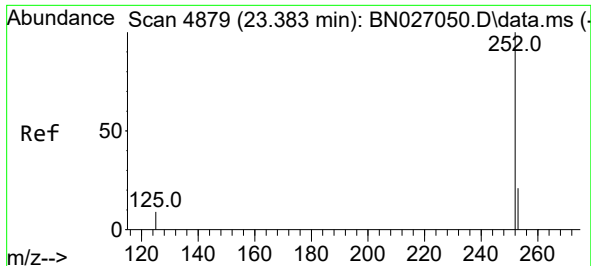
#22  
Chrysene  
Concen: 0.992 ng/ul  
RT: 21.673 min Scan# 4294  
Delta R.T. -0.003 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10



Tgt Ion:228 Resp: 178930  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 36.8  
229 22.1 15.8 23.6

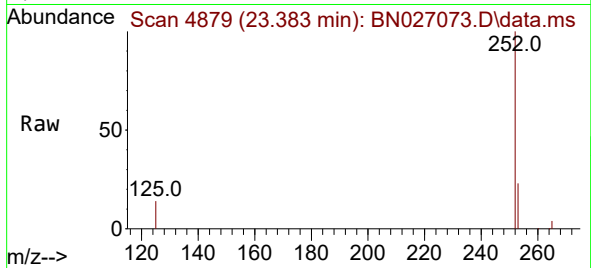




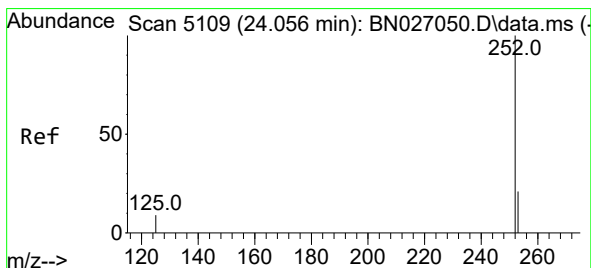
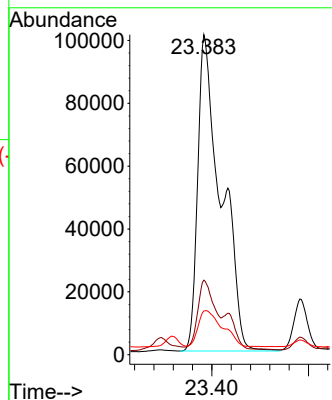


#24  
Benzo(b)fluoranthene  
Concen: 1.957 ng/ul  
RT: 23.383 min Scan# 4879  
Delta R.T. -0.003 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

Instrument :  
BNA\_P  
ClientSampleId :

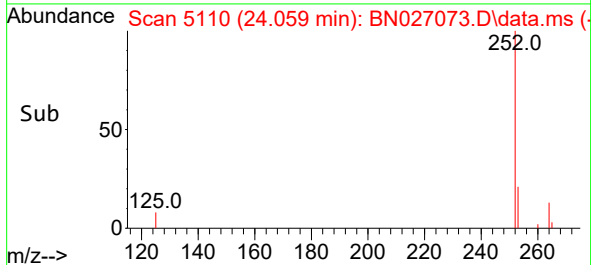
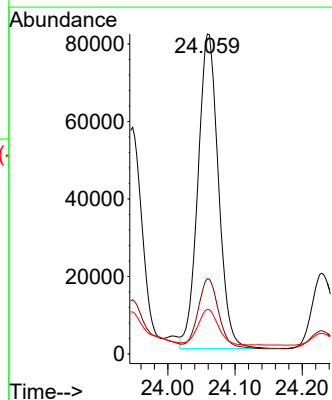
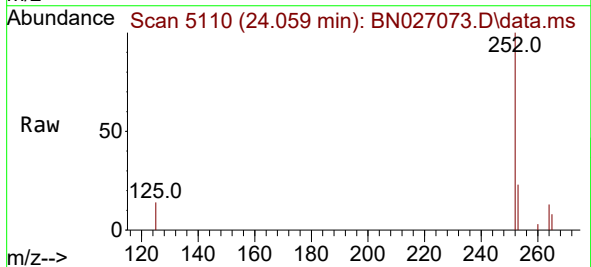


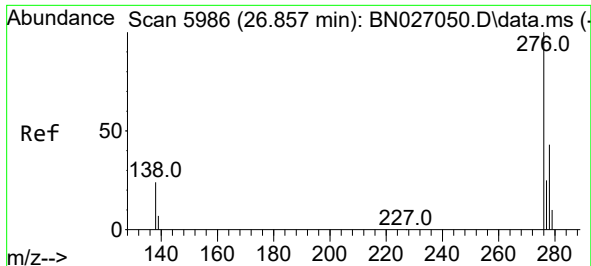
Tgt Ion:252 Resp: 337637  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 46.8  
125 13.7 0.0 25.2



#26  
Benzo(a)pyrene  
Concen: 1.101 ng/ul  
RT: 24.059 min Scan# 5110  
Delta R.T. -0.003 min  
Lab File: BN027073.D  
Acq: 23 Aug 2023 22:10

Tgt Ion:252 Resp: 171404  
Ion Ratio Lower Upper  
252 100  
253 23.5 19.0 28.6  
125 13.9 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.482 ng/ul

RT: 26.851 min Scan# 5986

Delta R.T. -0.003 min

Lab File: BN027073.D

Acq: 23 Aug 2023 22:10

Instrument :

BNA\_P

ClientSampleId :

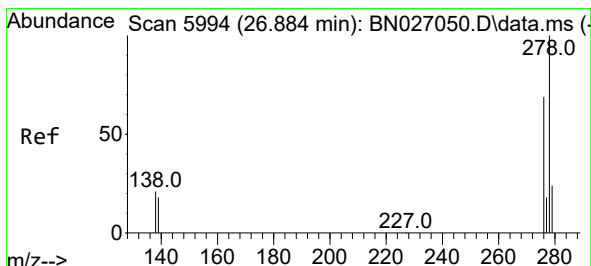
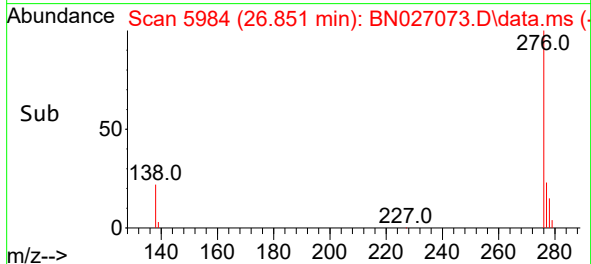
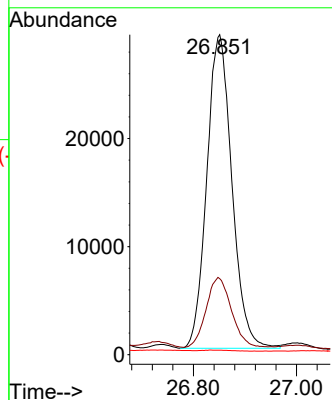
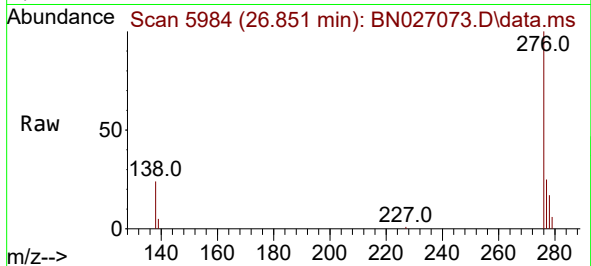
Tgt Ion:276 Resp: 98248

Ion Ratio Lower Upper

276 100

138 22.4 21.6 32.4

227 0.0 0.0 0.0



#28

Dibenzo(a,h)anthracene

Concen: 0.141 ng/ul

RT: 26.864 min Scan# 5988

Delta R.T. -0.020 min

Lab File: BN027073.D

Acq: 23 Aug 2023 22:10

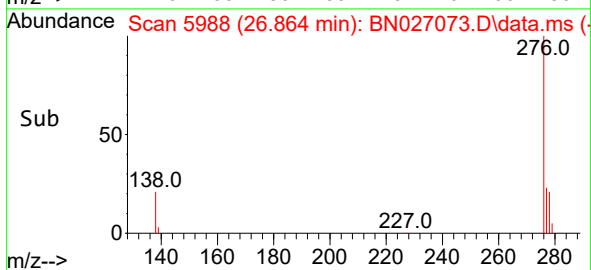
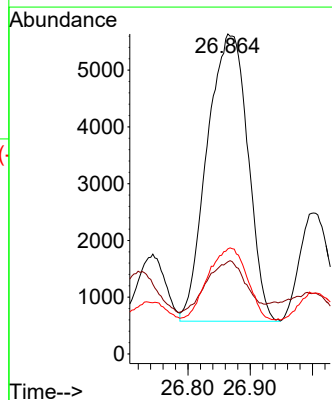
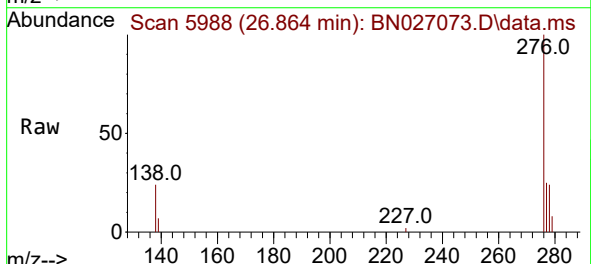
Tgt Ion:278 Resp: 22948

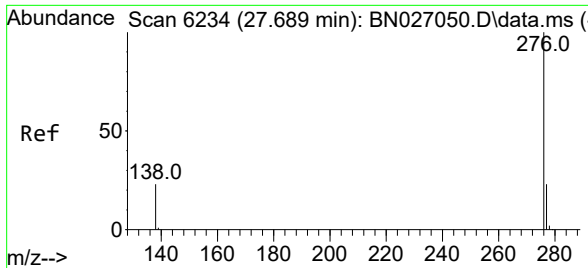
Ion Ratio Lower Upper

278 100

139 28.8 15.7 23.5#

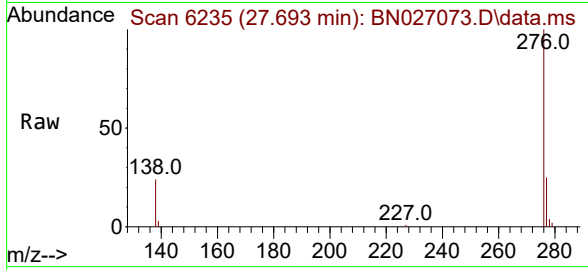
279 32.9 20.2 30.4#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.530 ng/ul  
 RT: 27.693 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: BN027073.D  
 Acq: 23 Aug 2023 22:10

Instrument :  
 BNA\_P  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 89866 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 24.3  | 19.3  | 28.9  |
| 277       | 24.9  | 19.8  | 29.8  |

