

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
 Data File : BN027791.D  
 Acq On : 21 Sep 2023 17:38  
 Operator : MA/JU  
 Sample : 04330-14  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYG0

Quant Time: Sep 22 04:00:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 03:58:00 2023  
 Response via : Initial Calibration

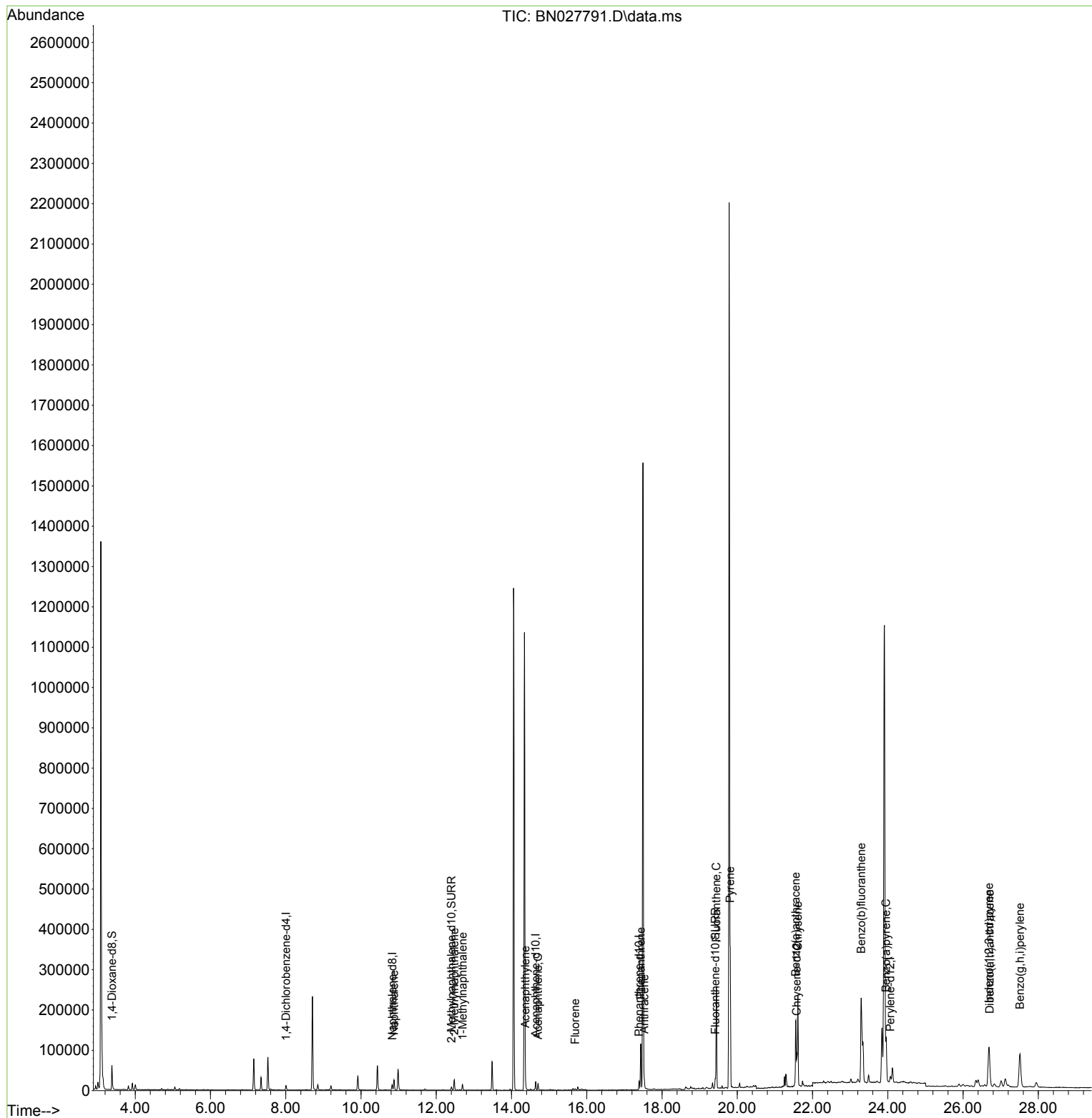
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.004  | 152  | 5642     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.828 | 136  | 19218    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.643 | 164  | 11644    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.392 | 188  | 26328    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.574 | 240  | 22684    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.070 | 264  | 20087    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.380  | 96   | 38919    | 5.476 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.401 | 152  | 9978     | 0.343 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.413 | 212  | 26129    | 0.377 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.878 | 128  | 33641    | 0.612 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.478 | 142  | 18023    | 0.517 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.698 | 142  | 9935     | 0.276 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.370 | 152  | 18881    | 0.371 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.703 | 153  | 9569     | 0.218 | ng/ul  | 99       |
| 12) Fluorene                | 15.688 | 166  | 1879     | 0.036 | ng/ul# | 90       |
| 15) Phenanthrene            | 17.434 | 178  | 121090   | 1.464 | ng/ul  | 99       |
| 16) Anthracene              | 17.527 | 178  | 20091    | 0.290 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.445 | 202  | 215144   | 2.345 | ng/ul  | 99       |
| 20) Pyrene                  | 19.812 | 202  | 274810   | 2.908 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.553 | 228  | 148039   | 1.687 | ng/ul  | 97       |
| 22) Chrysene                | 21.609 | 228  | 244665   | 2.698 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.293 | 252  | 505819   | 5.649 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.953 | 252  | 154876   | 2.151 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.689 | 276  | 184524   | 2.000 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.706 | 278  | 44084    | 0.593 | ng/ul# | 75       |
| 29) Benzo(g,h,i)perylene    | 27.511 | 276  | 195278   | 2.492 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

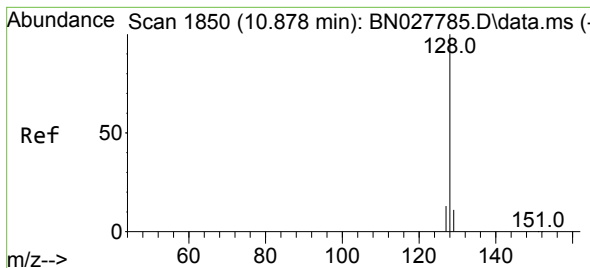
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092223\  
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Sample : 04330-14  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
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EZYGO

Quant Time: Sep 22 04:00:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 22 03:58:00 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.612 ng/ul

RT: 10.878 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BN027791.D

Acq: 21 Sep 2023 17:38

Instrument :

BNA\_N

ClientSampleId :

EZYG0

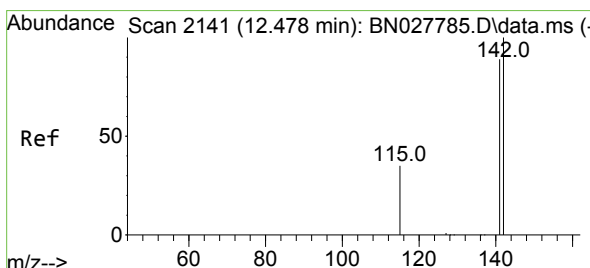
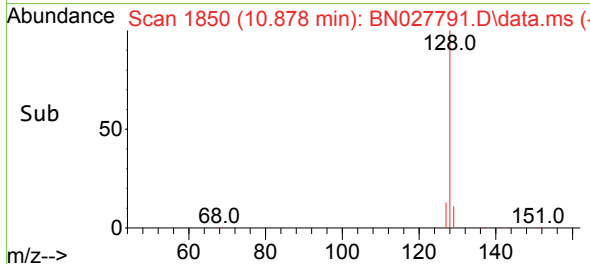
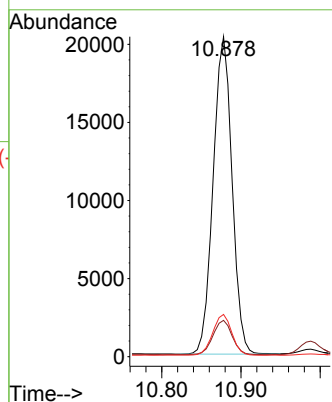
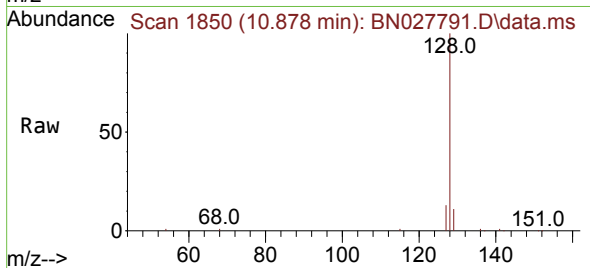
Tgt Ion:128 Resp: 33641

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

127 13.2 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.517 ng/ul

RT: 12.478 min Scan# 2141

Delta R.T. 0.000 min

Lab File: BN027791.D

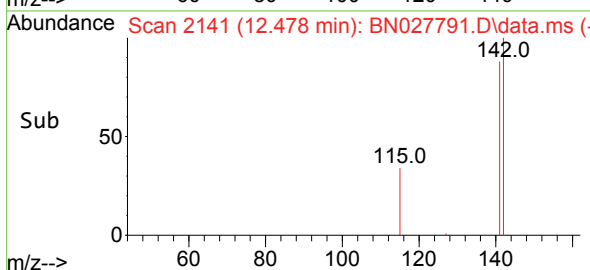
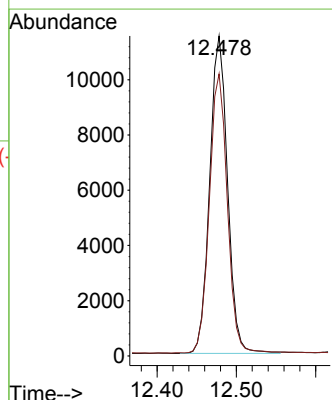
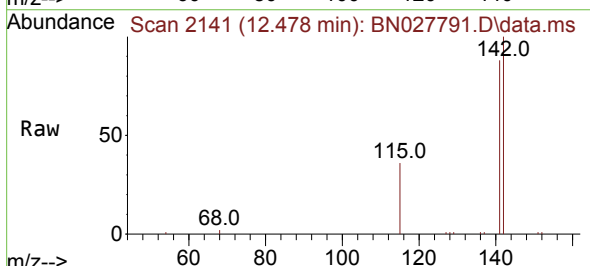
Acq: 21 Sep 2023 17:38

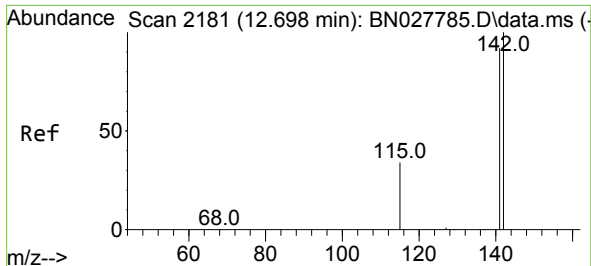
Tgt Ion:142 Resp: 18023

Ion Ratio Lower Upper

142 100

141 88.4 71.1 106.7

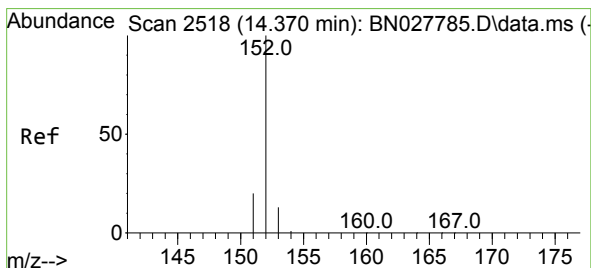
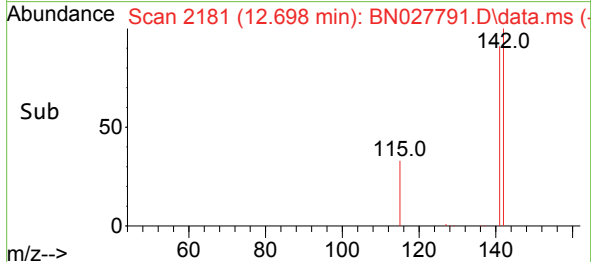
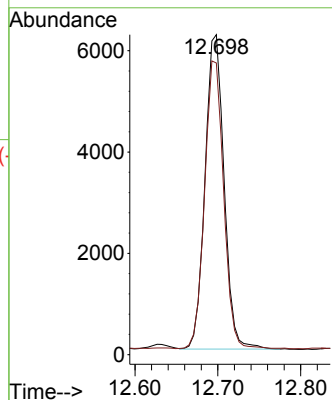
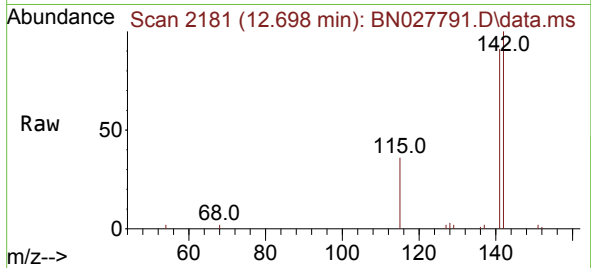




#8  
1-Methylnaphthalene  
Concen: 0.276 ng/ul  
RT: 12.698 min Scan# 2181  
Delta R.T. 0.000 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

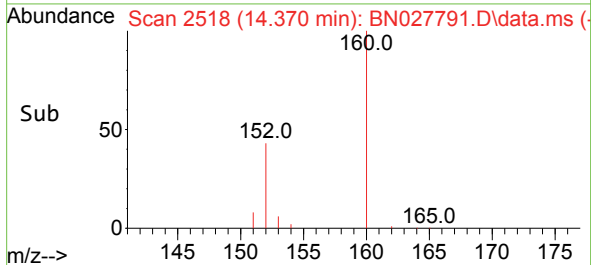
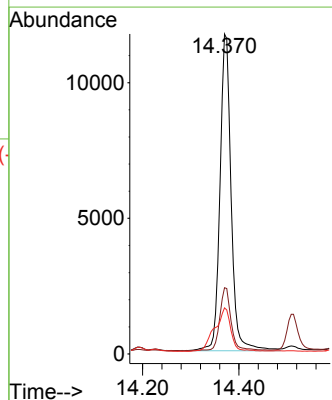
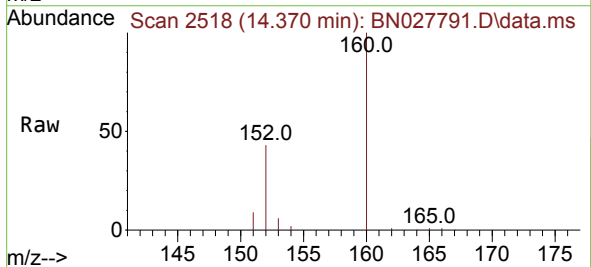
Instrument :  
BNA\_N  
ClientSampleId :  
EZYGO

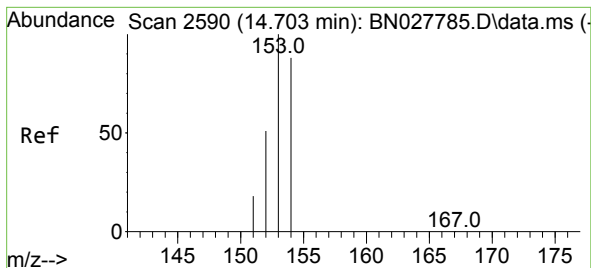
Tgt Ion:142 Resp: 9935  
Ion Ratio Lower Upper  
142 100  
141 91.1 72.8 109.2



#10  
Acenaphthylene  
Concen: 0.371 ng/ul  
RT: 14.370 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

Tgt Ion:152 Resp: 18881  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.6 25.0  
153 14.4 11.0 16.6





#11

Acenaphthene

Concen: 0.218 ng/ul

RT: 14.703 min Scan# 2590

Delta R.T. 0.000 min

Lab File: BN027791.D

Acq: 21 Sep 2023 17:38

Instrument :

BNA\_N

ClientSampleId :

EZYG0

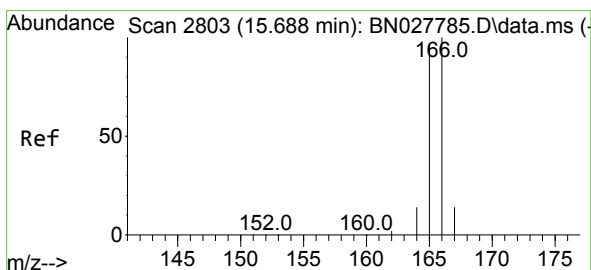
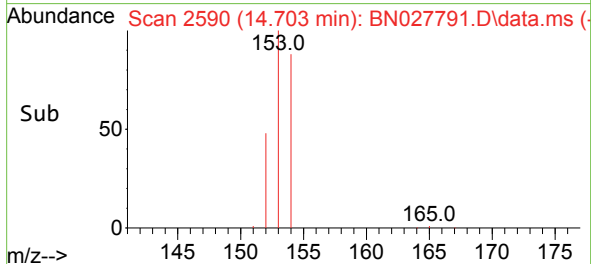
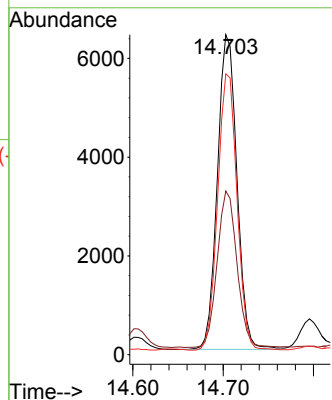
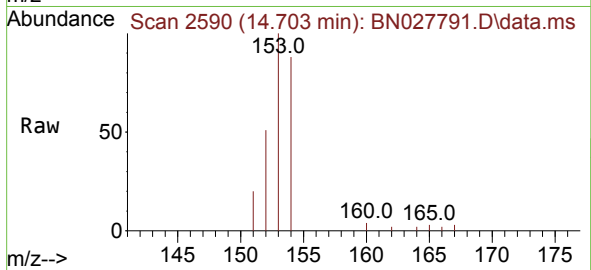
Tgt Ion:153 Resp: 9569

Ion Ratio Lower Upper

153 100

152 51.1 41.7 62.5

154 87.7 70.3 105.5



#12

Fluorene

Concen: 0.036 ng/ul

RT: 15.688 min Scan# 2803

Delta R.T. 0.000 min

Lab File: BN027791.D

Acq: 21 Sep 2023 17:38

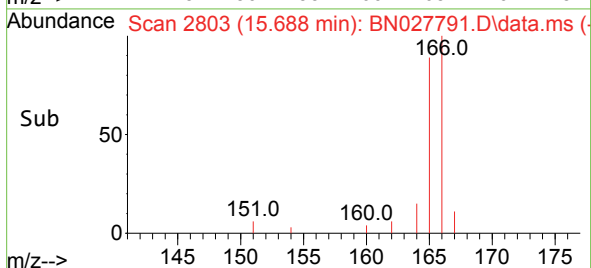
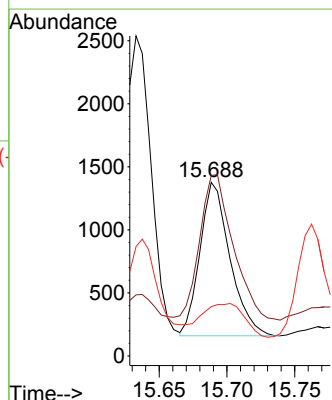
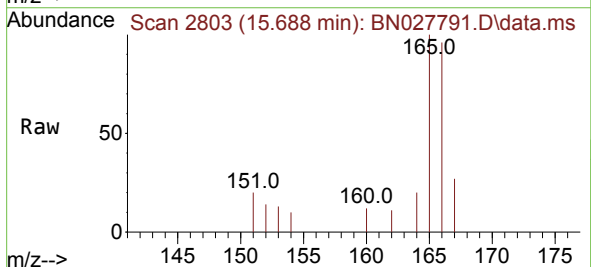
Tgt Ion:166 Resp: 1879

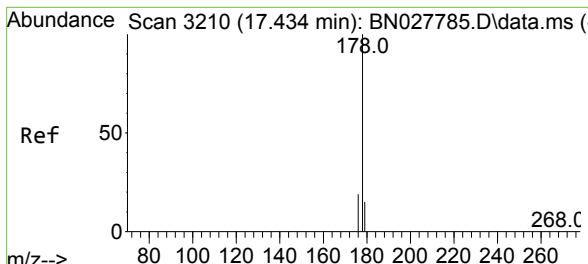
Ion Ratio Lower Upper

166 100

165 103.9 78.0 117.0

167 28.4 11.4 17.2#

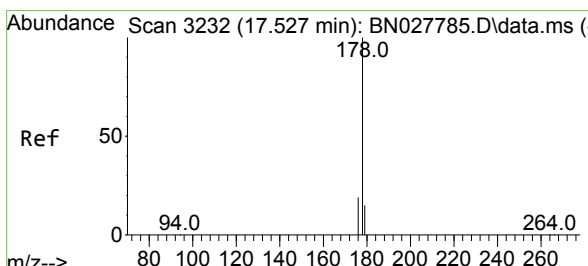
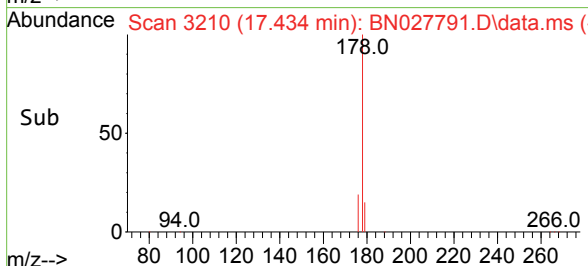
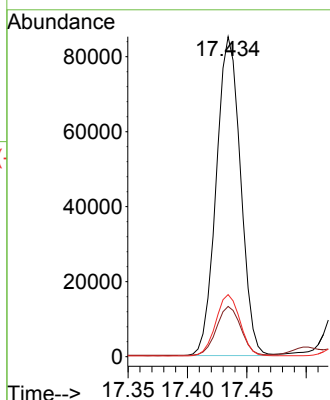
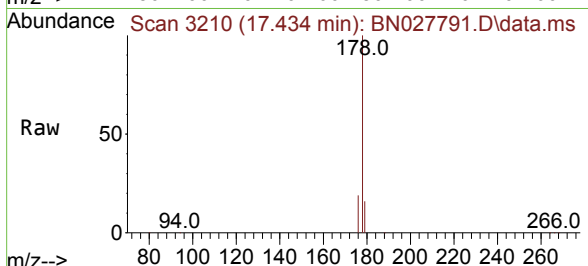




#15  
 Phenanthrene  
 Concen: 1.464 ng/ul  
 RT: 17.434 min Scan# 3210  
 Delta R.T. -0.000 min  
 Lab File: BN027791.D  
 Acq: 21 Sep 2023 17:38

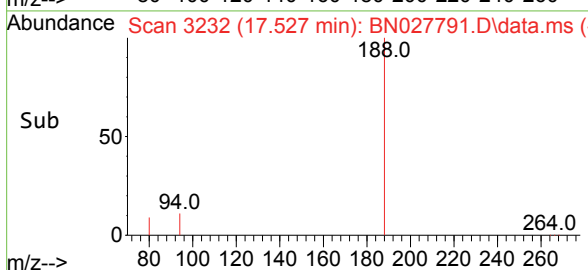
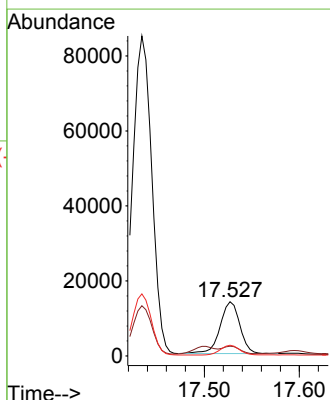
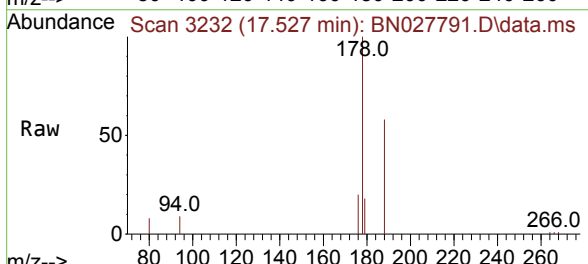
Instrument :  
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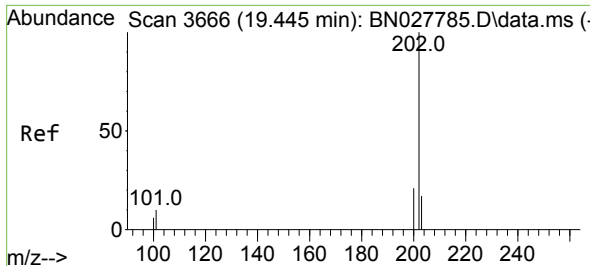
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 121090 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.7  | 12.4  | 18.6   |
| 176       | 19.4  | 16.0  | 24.0   |



#16  
 Anthracene  
 Concen: 0.290 ng/ul  
 RT: 17.527 min Scan# 3232  
 Delta R.T. -0.000 min  
 Lab File: BN027791.D  
 Acq: 21 Sep 2023 17:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 20091 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 18.0  | 12.6  | 19.0  |
| 176       | 19.7  | 15.5  | 23.3  |

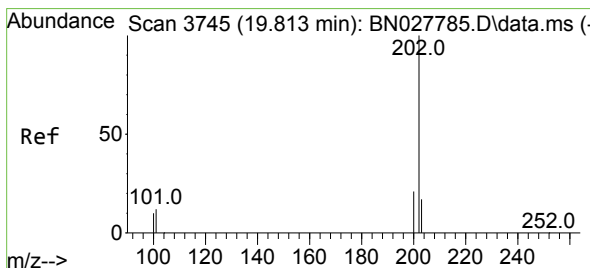
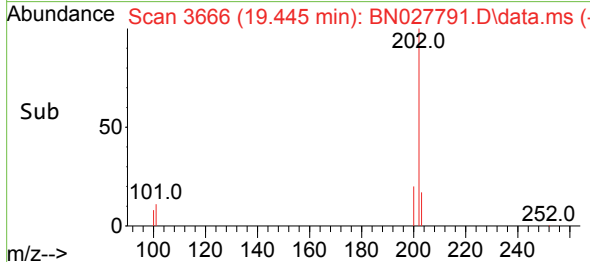
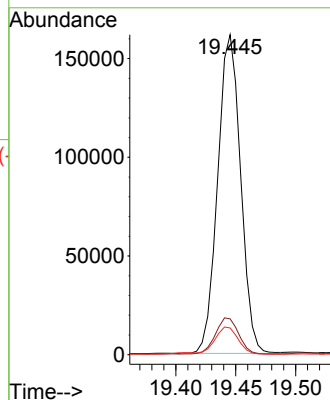
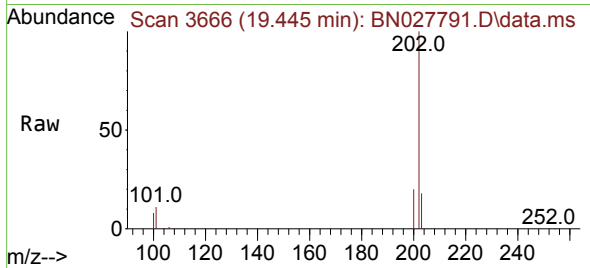




#19  
Fluoranthene  
Concen: 2.345 ng/u1  
RT: 19.445 min Scan# 3666  
Delta R.T. -0.000 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

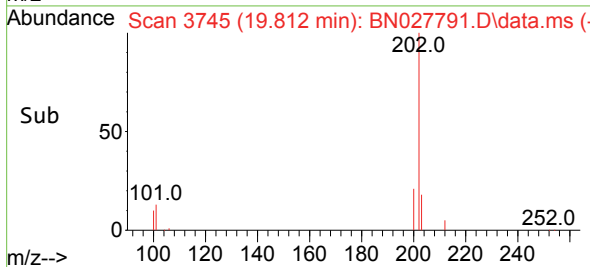
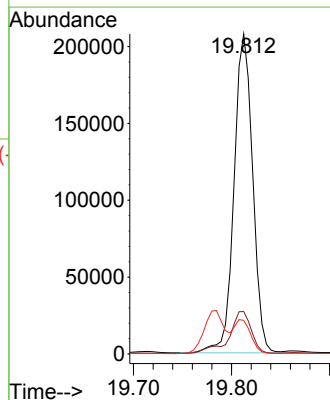
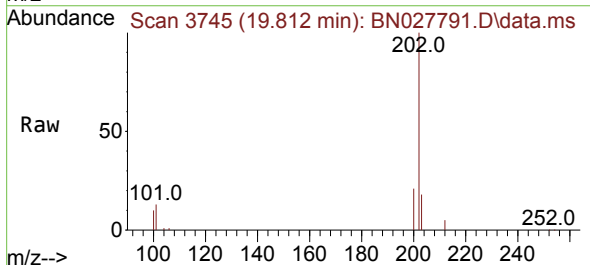
Instrument :  
BNA\_N  
ClientSampleId :  
EZYGO

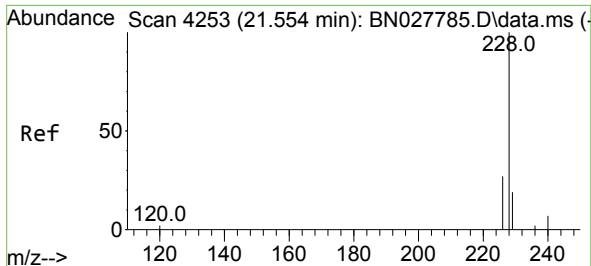
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Ion Ratio Lower Upper  
202 100  
101 11.2 9.3 13.9  
100 8.3 7.0 10.4



#20  
Pyrene  
Concen: 2.908 ng/u1  
RT: 19.812 min Scan# 3745  
Delta R.T. -0.000 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

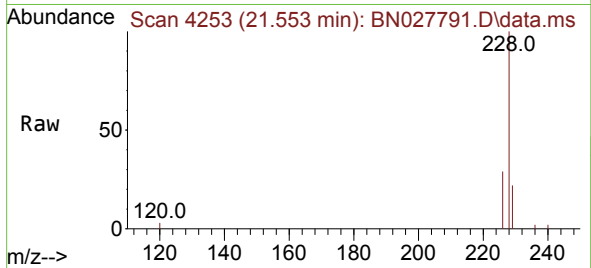
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202 100  
101 13.3 11.4 17.0  
100 10.5 9.1 13.7



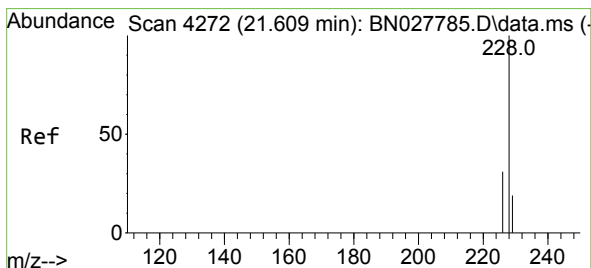
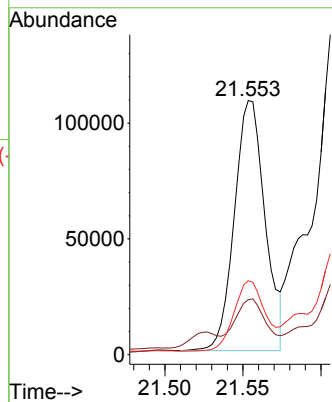
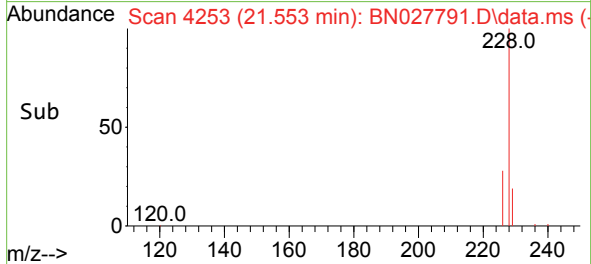


#21  
Benzo(a)anthracene  
Concen: 1.687 ng/ul  
RT: 21.553 min Scan# 4253  
Delta R.T. -0.000 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

Instrument :  
BNA\_N  
ClientSampleId :  
EZYGO

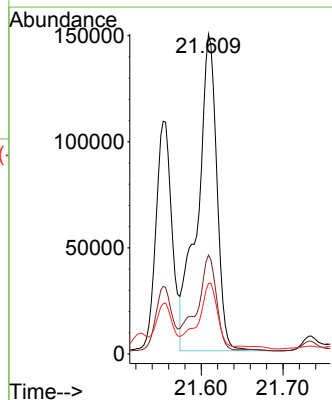
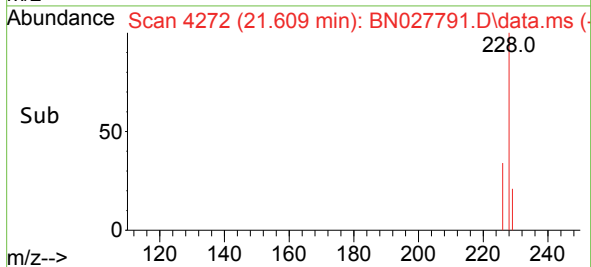
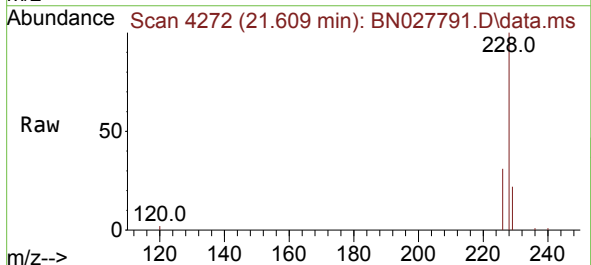


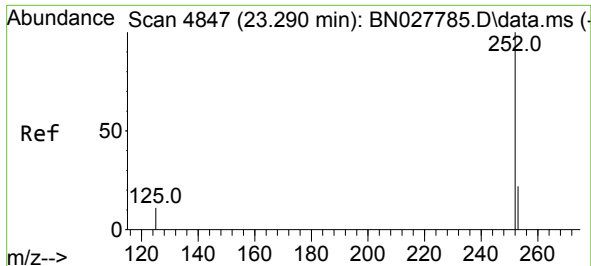
Tgt Ion:228 Resp: 148039  
Ion Ratio Lower Upper  
228 100  
229 21.6 15.8 23.8  
226 29.1 22.0 33.0



#22  
Chrysene  
Concen: 2.698 ng/ul  
RT: 21.609 min Scan# 4272  
Delta R.T. -0.000 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

Tgt Ion:228 Resp: 244665  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.5 36.7  
229 22.0 16.0 24.0

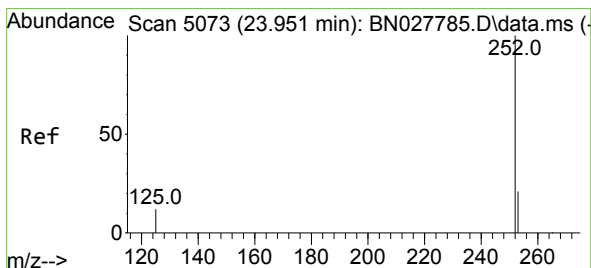
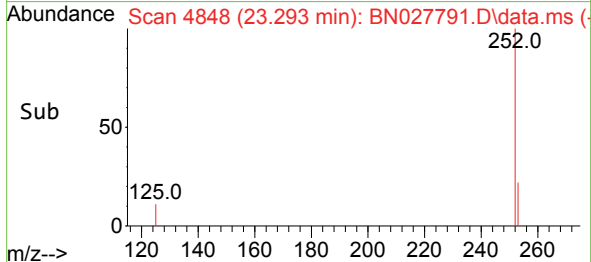
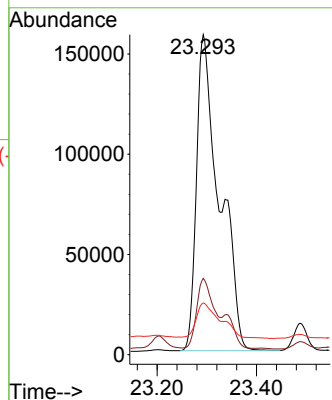
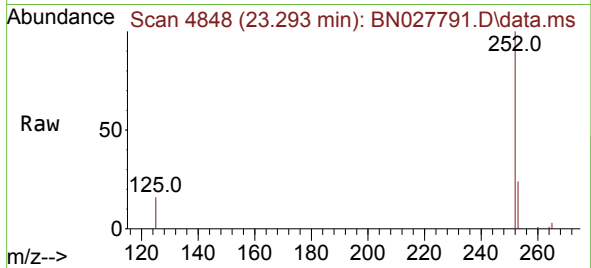




#24  
Benzo(b)fluoranthene  
Concen: 5.649 ng/ul  
RT: 23.293 min Scan# 4847  
Delta R.T. 0.003 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

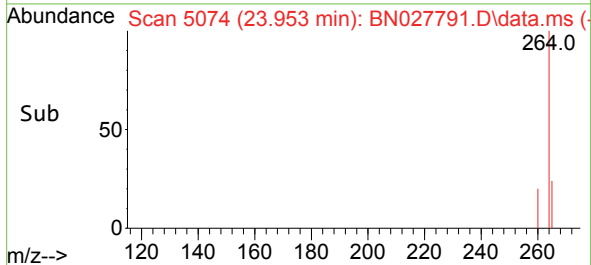
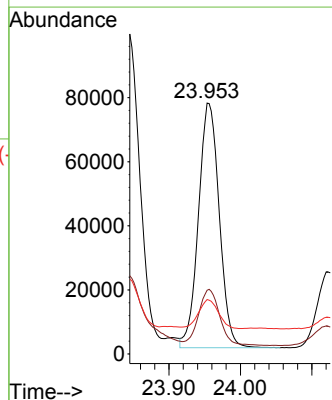
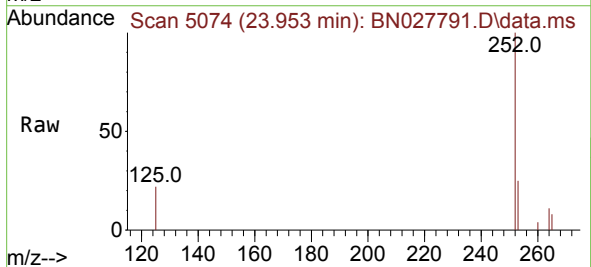
Instrument :  
BNA\_N  
ClientSampleId :  
EZYGO

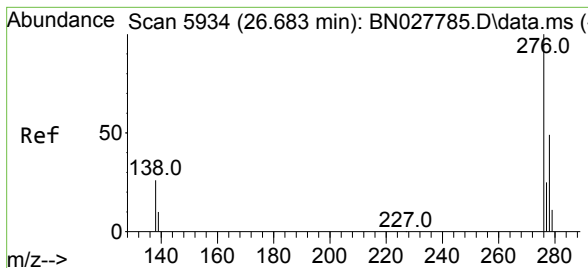
Tgt Ion:252 Resp: 505819  
Ion Ratio Lower Upper  
252 100  
253 23.8 0.0 50.2  
125 16.2 0.0 31.4



#26  
Benzo(a)pyrene  
Concen: 2.151 ng/ul  
RT: 23.953 min Scan# 5074  
Delta R.T. 0.003 min  
Lab File: BN027791.D  
Acq: 21 Sep 2023 17:38

Tgt Ion:252 Resp: 154876  
Ion Ratio Lower Upper  
252 100  
253 25.4 21.9 32.9  
125 21.7 15.5 23.3





#27

Indeno(1,2,3-cd)pyrene

Concen: 2.000 ng/ul

RT: 26.689 min Scan# 5936

Delta R.T. 0.007 min

Lab File: BN027791.D

Acq: 21 Sep 2023 17:38

Instrument :

BNA\_N

ClientSampleId :

EZYGO

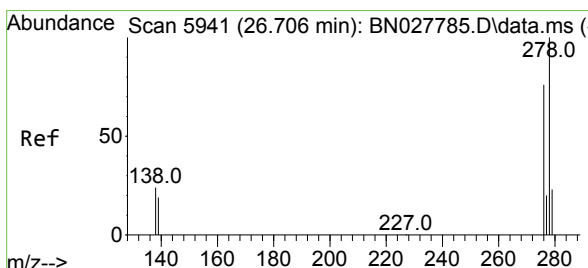
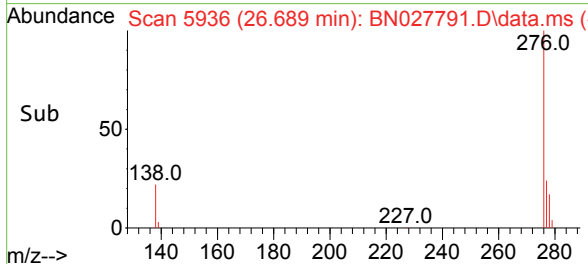
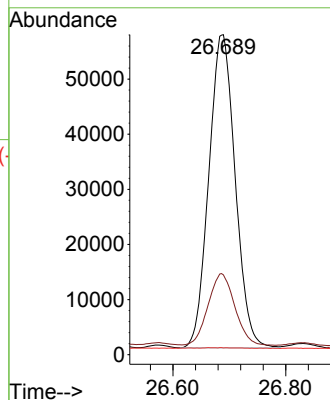
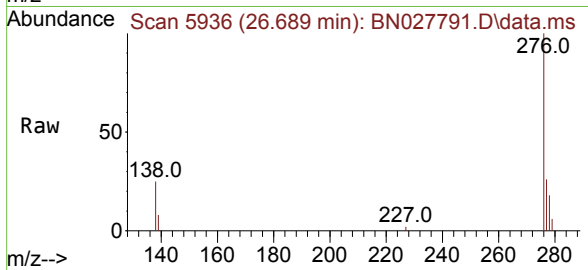
Tgt Ion:276 Resp: 184524

Ion Ratio Lower Upper

276 100

138 23.2 24.3 36.5#

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.593 ng/ul

RT: 26.706 min Scan# 5941

Delta R.T. -0.000 min

Lab File: BN027791.D

Acq: 21 Sep 2023 17:38

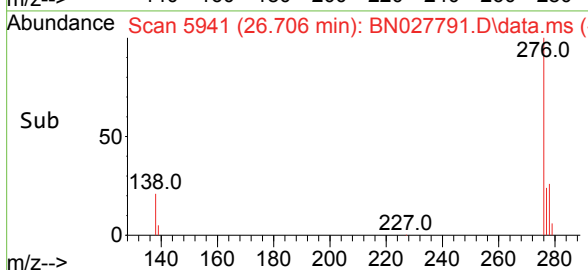
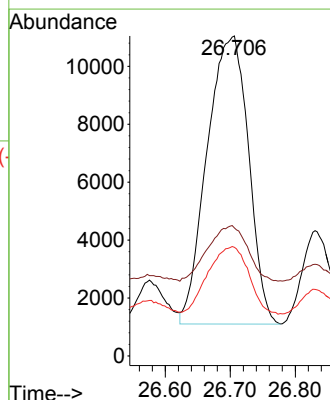
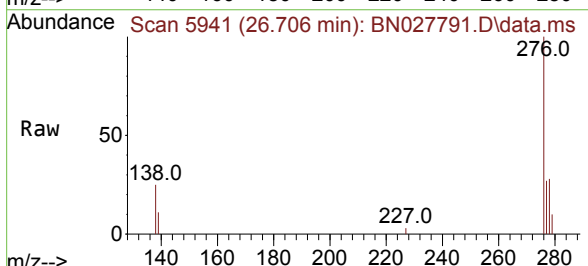
Tgt Ion:278 Resp: 44084

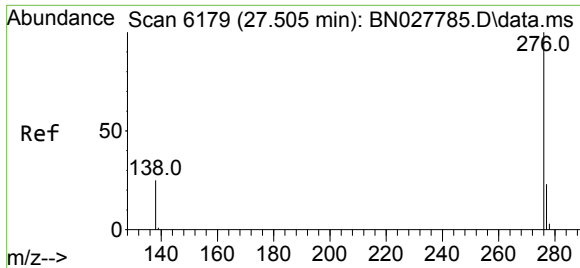
Ion Ratio Lower Upper

278 100

139 40.0 17.2 25.8#

279 33.9 21.4 32.0#





#29  
 Benzo(g,h,i)perylene  
 Concen: 2.492 ng/ul  
 RT: 27.511 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: BN027791.D  
 Acq: 21 Sep 2023 17:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYG0

Tgt Ion:276 Resp: 195278  
 Ion Ratio Lower Upper  
 276 100  
 138 25.6 21.7 32.5  
 277 25.1 20.2 30.2

