

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
 Data File : BN026577.D  
 Acq On : 18 Jul 2023 23:34  
 Operator : MA/JU  
 Sample : PB154088BS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 19 00:54:53 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 19 00:52:36 2023  
 Response via : Initial Calibration

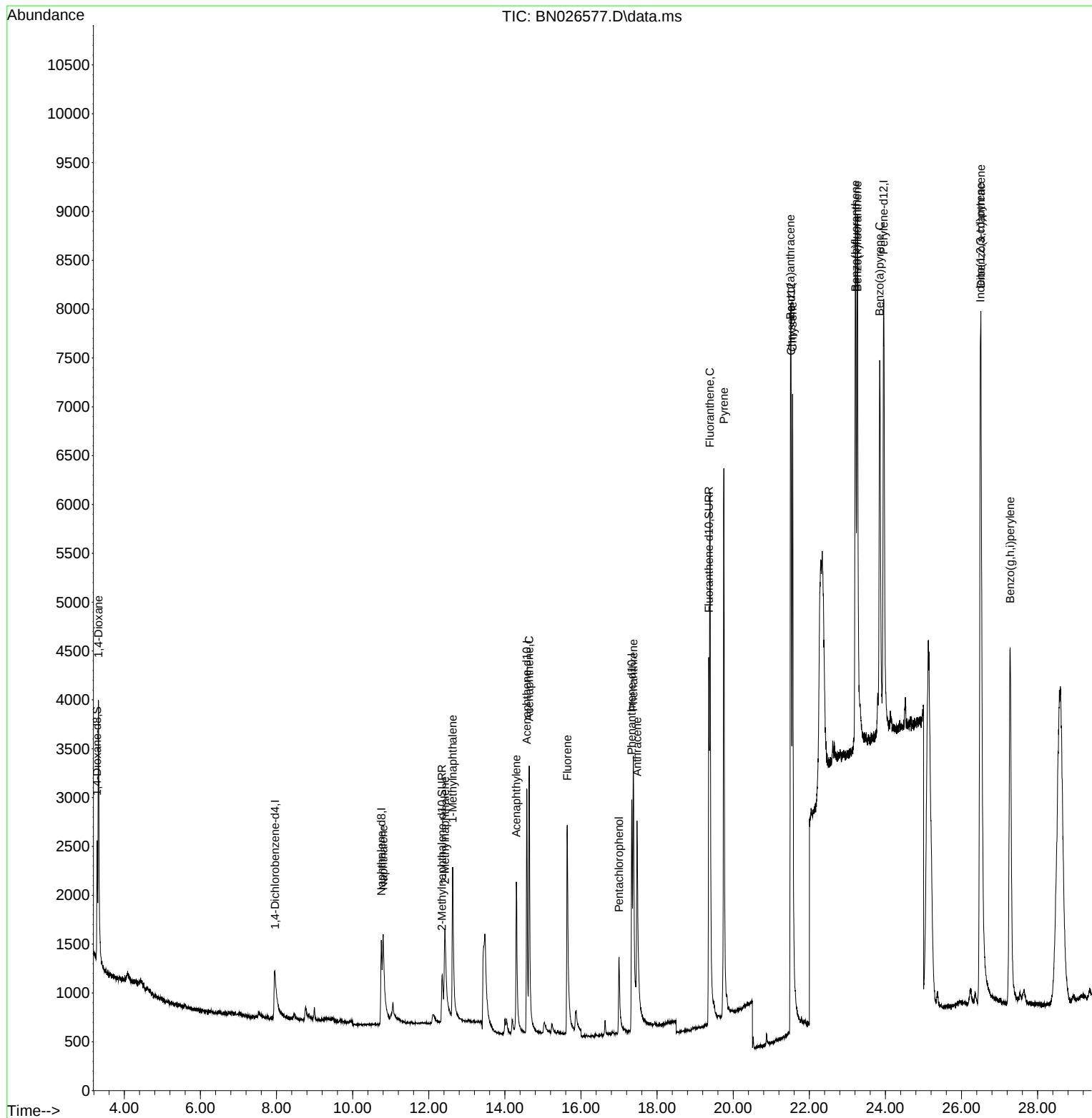
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.963  | 152  | 815      | 0.400 | ng/ul  | # 0.01   |
| 4) Naphthalene-d8           | 10.754 | 136  | 2525     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.575 | 164  | 1878     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.334 | 188  | 4379     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.523 | 240  | 5709     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.955 | 264  | 7641     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.284  | 96   | 904      | 0.842 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.348 | 152  | 1351     | 0.394 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.359 | 212  | 5868     | 0.296 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.322  | 88   | 2165     | 2.132 | ng/ul  | 93       |
| 5) Naphthalene              | 10.803 | 128  | 2185     | 0.315 | ng/ul# | 86       |
| 7) 2-Methylnaphthalene      | 12.425 | 142  | 1254     | 0.319 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.629 | 142  | 1561     | 0.370 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.302 | 152  | 2799     | 0.304 | ng/ul  | 94       |
| 11) Acenaphthene            | 14.640 | 153  | 2152     | 0.307 | ng/ul  | 96       |
| 12) Fluorene                | 15.639 | 166  | 2497     | 0.340 | ng/ul# | 95       |
| 14) Pentachlorophenol       | 17.001 | 266  | 875      | 0.792 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.376 | 178  | 4162     | 0.298 | ng/ul  | 96       |
| 16) Anthracene              | 17.474 | 178  | 3872     | 0.320 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.391 | 202  | 6350     | 0.237 | ng/ul# | 95       |
| 20) Pyrene                  | 19.754 | 202  | 6993     | 0.241 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.506 | 228  | 6520     | 0.311 | ng/ul  | 99       |
| 22) Chrysene                | 21.561 | 228  | 7530     | 0.315 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.212 | 252  | 8690     | 0.292 | ng/ul  | 95       |
| 25) Benzo(k)fluoranthene    | 23.262 | 252  | 9619     | 0.308 | ng/ul# | 95       |
| 26) Benzo(a)pyrene          | 23.850 | 252  | 8282     | 0.313 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.494 | 276  | 12490    | 0.360 | ng/ul# | 78       |
| 28) Dibenzo(a,h)anthracene  | 26.511 | 278  | 10040    | 0.377 | ng/ul# | 92       |
| 29) Benzo(g,h,i)perylene    | 27.279 | 276  | 10602    | 0.346 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

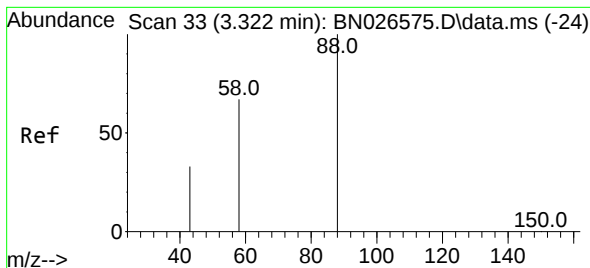
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
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Quant Time: Jul 19 00:54:53 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 19 00:52:36 2023  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 2.132 ng/ul

RT: 3.322 min Scan# 31

Delta R.T. 0.000 min

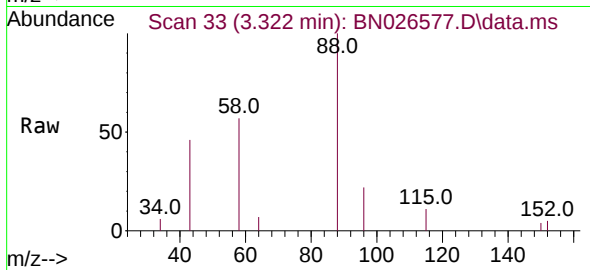
Lab File: BN026577.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA\_N

ClientSampleId :



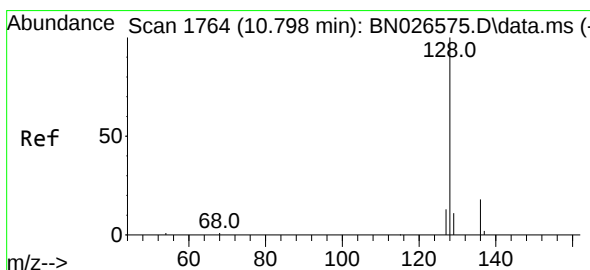
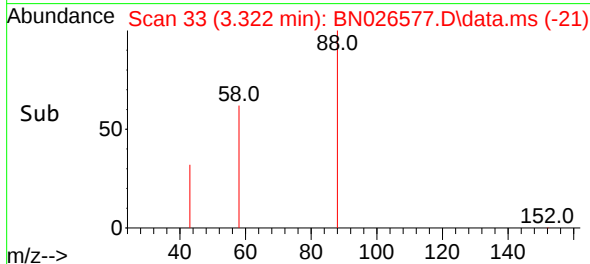
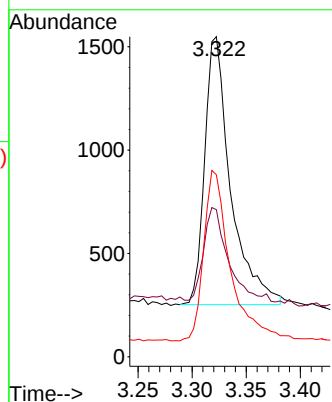
Tgt Ion: 88 Resp: 2165

Ion Ratio Lower Upper

88 100

43 46.0 33.0 49.6

58 56.9 41.7 62.5



#5

Naphthalene

Concen: 0.315 ng/ul

RT: 10.803 min Scan# 1765

Delta R.T. 0.006 min

Lab File: BN026577.D

Acq: 18 Jul 2023 23:34

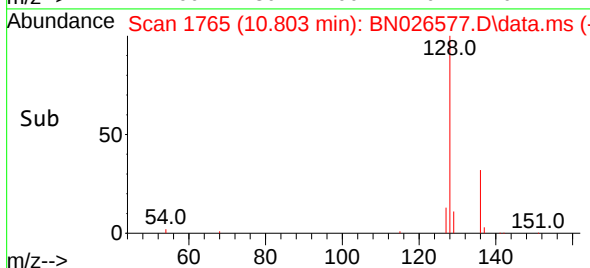
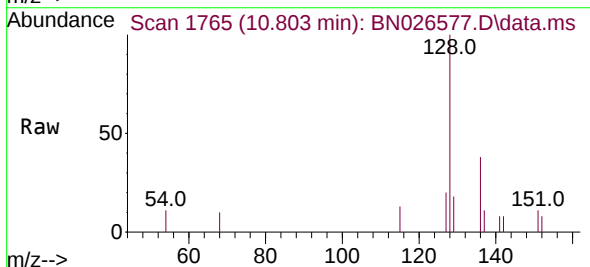
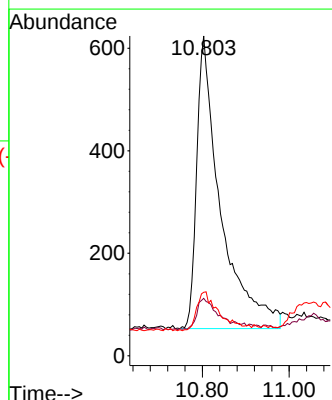
Tgt Ion: 128 Resp: 2185

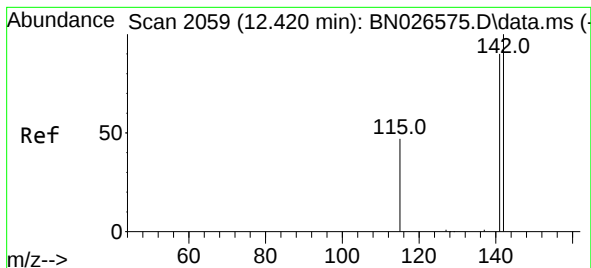
Ion Ratio Lower Upper

128 100

129 17.9 10.2 15.2#

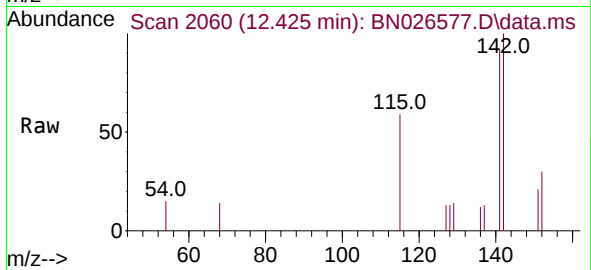
127 19.9 11.4 17.0#



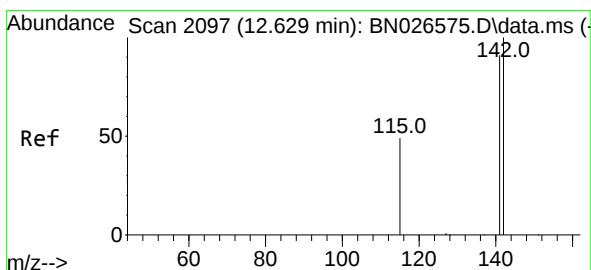
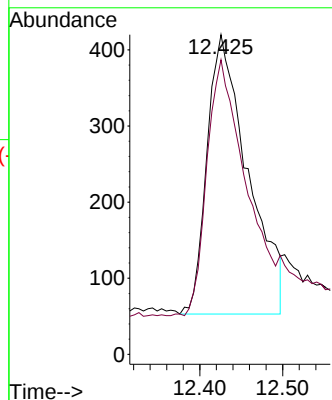
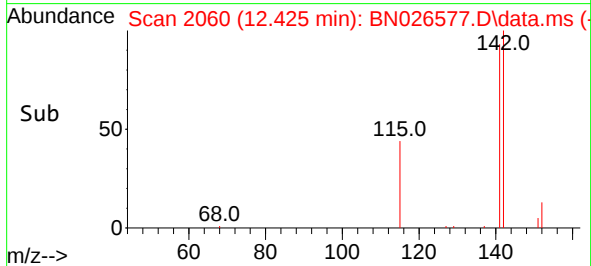


#7  
2-Methylnaphthalene  
Concen: 0.319 ng/ul  
RT: 12.425 min Scan# 2060  
Delta R.T. 0.006 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

Instrument :  
BNA\_N  
ClientSampleId :

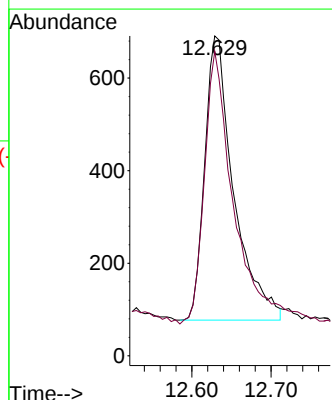
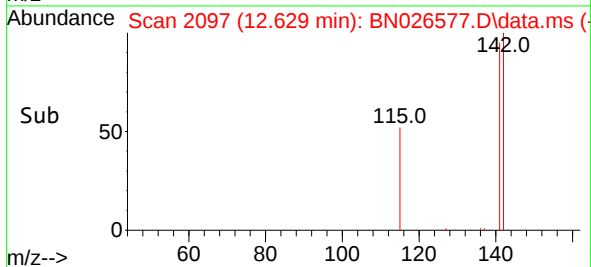
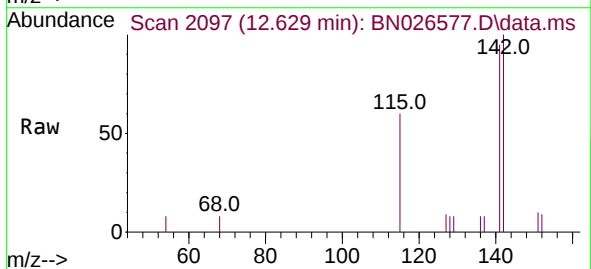


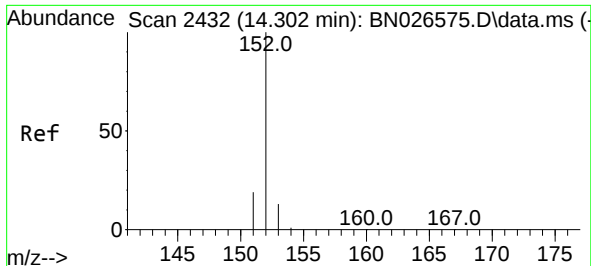
Tgt Ion:142 Resp: 1254  
Ion Ratio Lower Upper  
142 100  
141 92.0 72.3 108.5



#8  
1-Methylnaphthalene  
Concen: 0.370 ng/ul  
RT: 12.629 min Scan# 2097  
Delta R.T. 0.000 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

Tgt Ion:142 Resp: 1561  
Ion Ratio Lower Upper  
142 100  
141 95.0 74.5 111.7

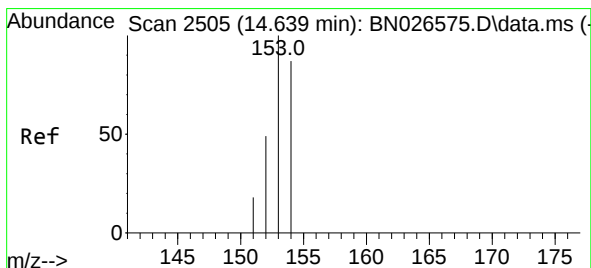
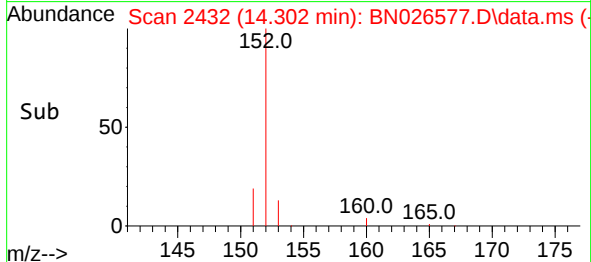
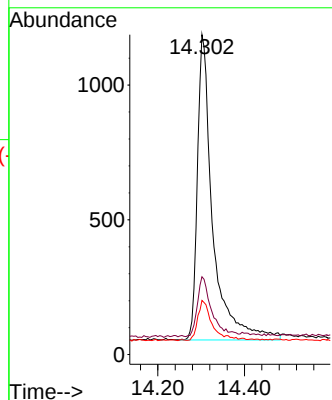
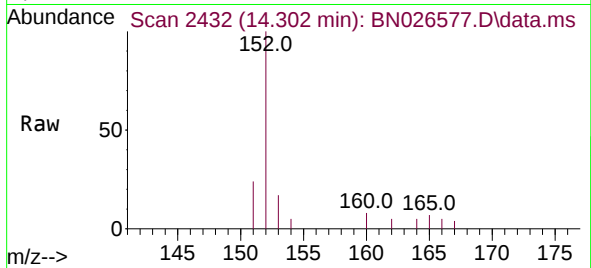




#10  
Acenaphthylene  
Concen: 0.304 ng/ul  
RT: 14.302 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

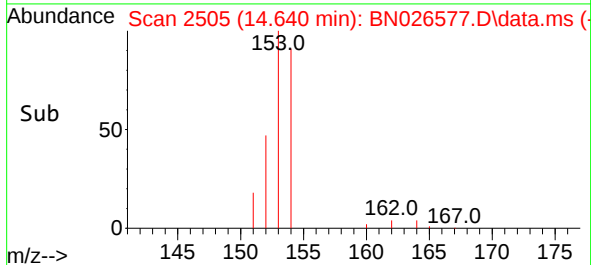
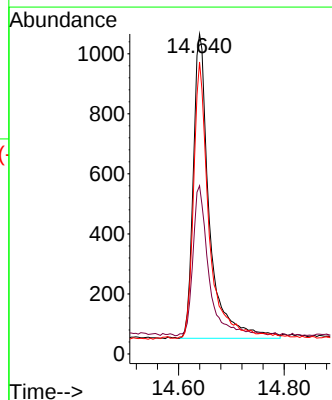
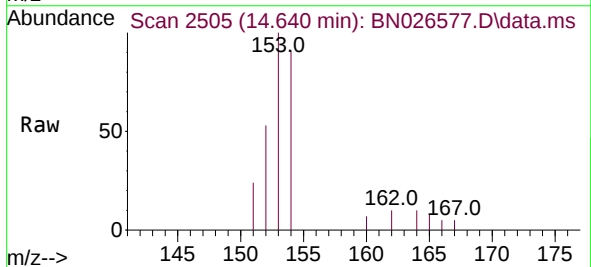
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BNA\_N  
ClientSampleId :

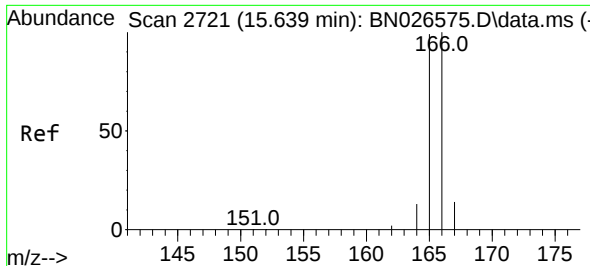
Tgt Ion:152 Resp: 2799  
Ion Ratio Lower Upper  
152 100  
151 24.3 17.0 25.6  
153 16.9 11.4 17.2



#11  
Acenaphthene  
Concen: 0.307 ng/ul  
RT: 14.640 min Scan# 2505  
Delta R.T. 0.000 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

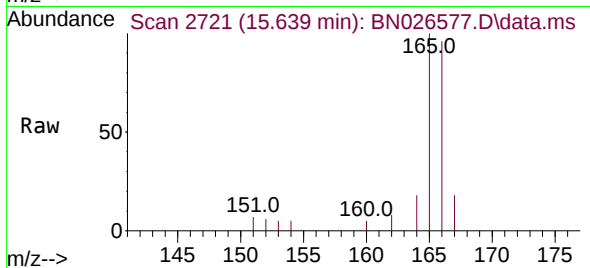
Tgt Ion:153 Resp: 2152  
Ion Ratio Lower Upper  
153 100  
152 52.5 40.2 60.4  
154 91.3 69.3 103.9



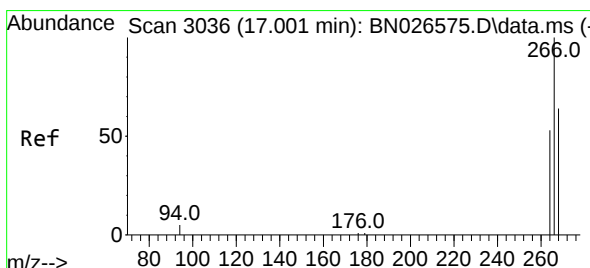
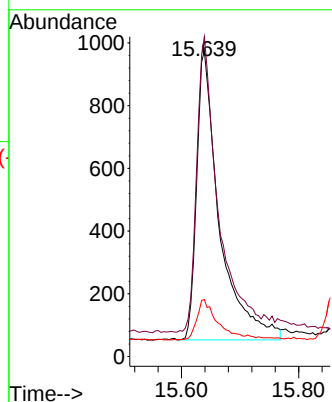
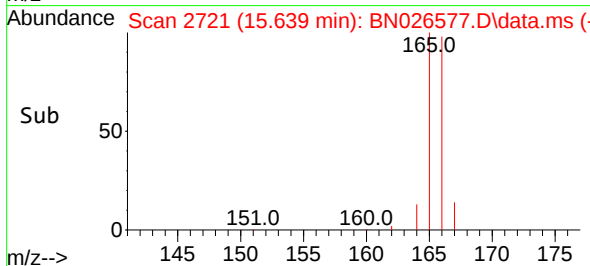


#12  
 Fluorene  
 Concen: 0.340 ng/ul  
 RT: 15.639 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN026577.D  
 Acq: 18 Jul 2023 23:34

Instrument :  
 BNA\_N  
 ClientSampleId :

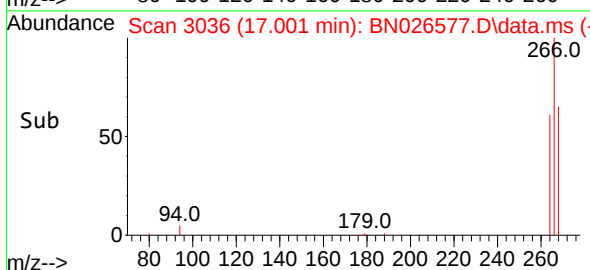
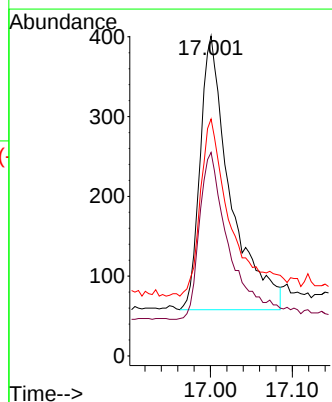
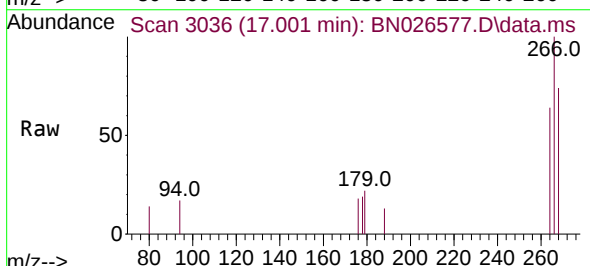


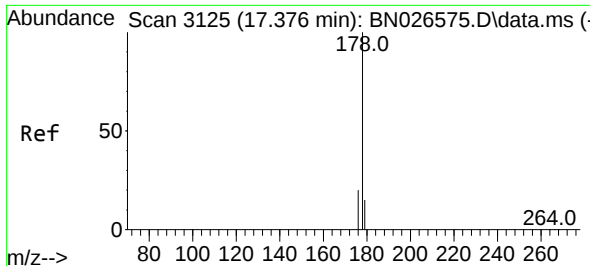
Tgt Ion:166 Resp: 2497  
 Ion Ratio Lower Upper  
 166 100  
 165 104.6 80.6 120.8  
 167 18.7 12.0 18.0#



#14  
 Pentachlorophenol  
 Concen: 0.792 ng/ul  
 RT: 17.001 min Scan# 3036  
 Delta R.T. 0.000 min  
 Lab File: BN026577.D  
 Acq: 18 Jul 2023 23:34

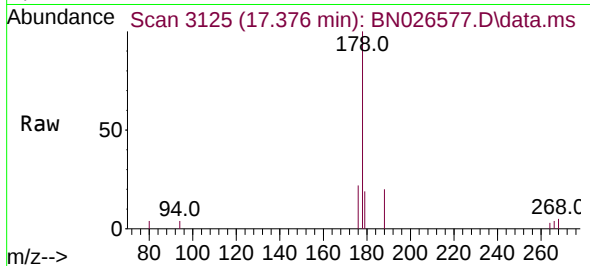
Tgt Ion:266 Resp: 875  
 Ion Ratio Lower Upper  
 266 100  
 264 60.5 52.0 78.0  
 268 65.1 53.0 79.6



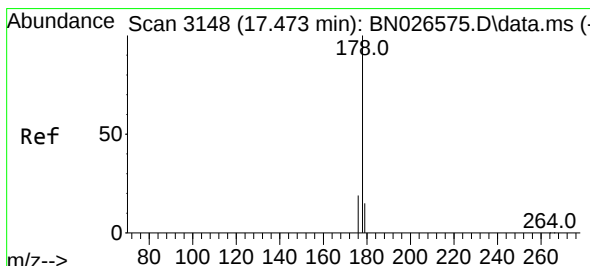
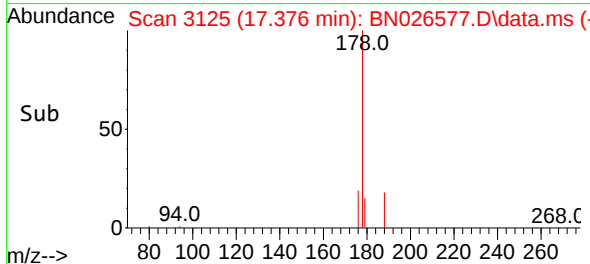
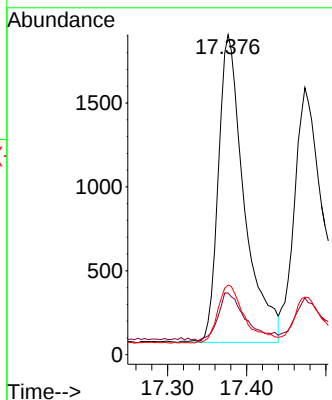


#15  
Phenanthrene  
Concen: 0.298 ng/ul  
RT: 17.376 min Scan# 3125  
Delta R.T. 0.000 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

Instrument :  
BNA\_N  
ClientSampleId :

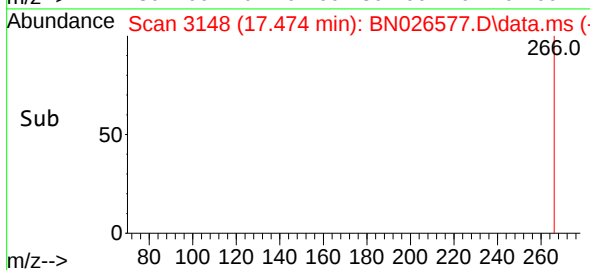
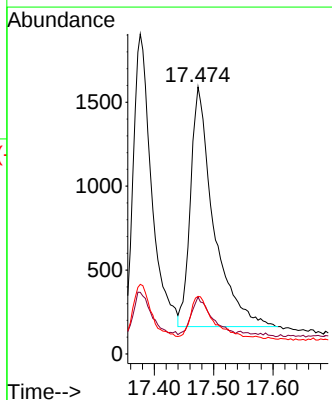
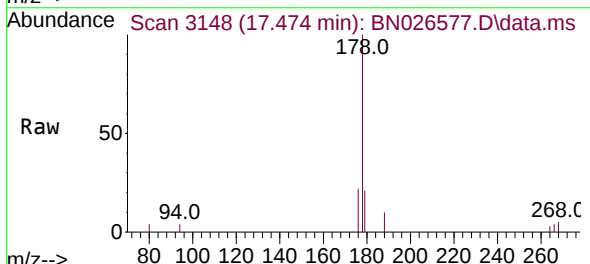


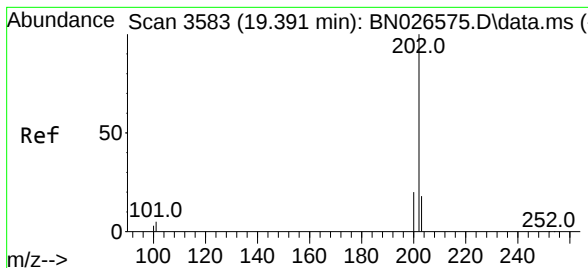
Tgt Ion:178 Resp: 4162  
Ion Ratio Lower Upper  
178 100  
179 19.2 13.7 20.5  
176 21.8 16.5 24.7



#16  
Anthracene  
Concen: 0.320 ng/ul  
RT: 17.474 min Scan# 3148  
Delta R.T. 0.000 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

Tgt Ion:178 Resp: 3872  
Ion Ratio Lower Upper  
178 100  
179 21.4 14.8 22.2  
176 21.6 16.6 25.0





#19

Fluoranthene

Concen: 0.237 ng/ul

RT: 19.391 min Scan# 3583

Delta R.T. 0.001 min

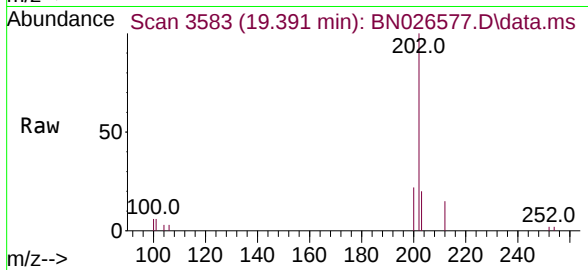
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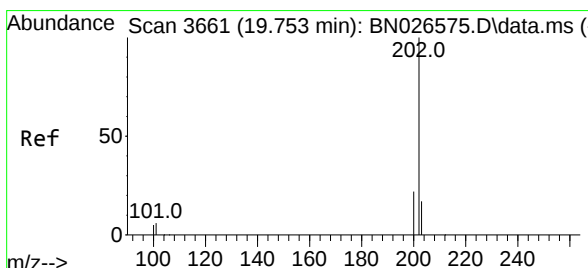
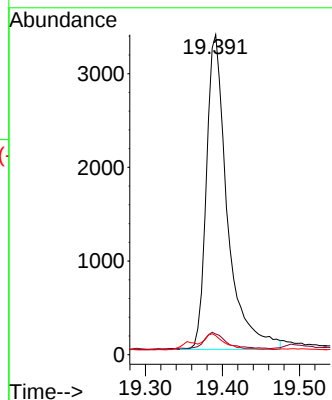
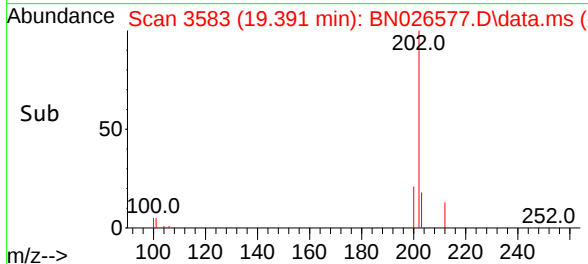
Instrument :

BNA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 6350  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.4   | 7.0   | 10.4# |
| 100       | 6.0   | 6.0   | 9.0#  |



#20

Pyrene

Concen: 0.241 ng/ul

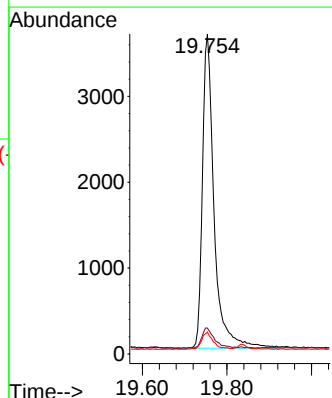
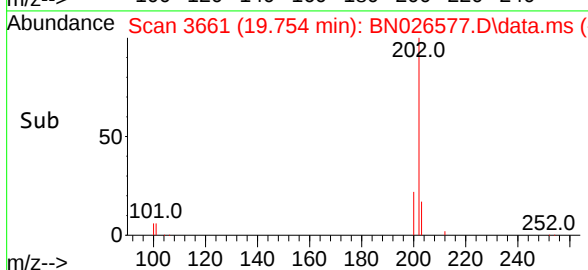
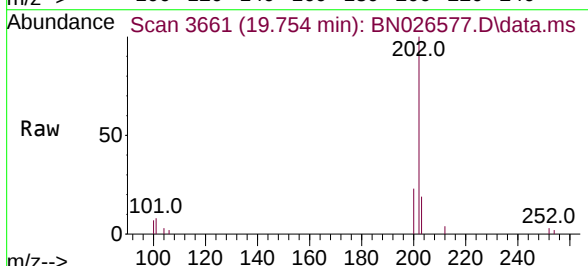
RT: 19.754 min Scan# 3661

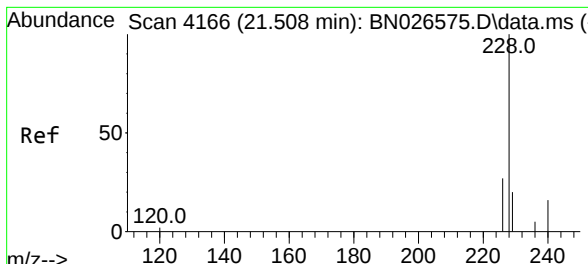
Delta R.T. 0.001 min

Lab File: BN026577.D

Acq: 18 Jul 2023 23:34

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 6993 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 8.1   | 8.0   | 12.0 |
| 100       | 6.9   | 6.2   | 9.2  |

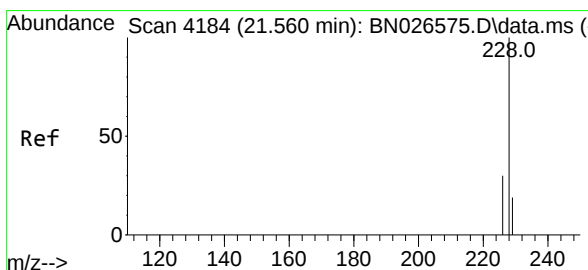
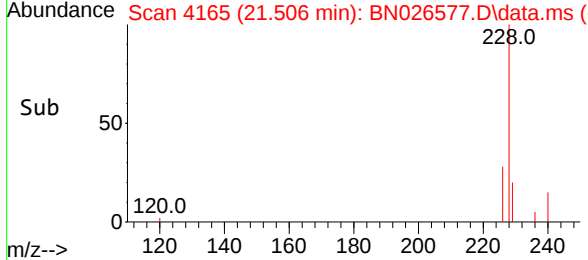
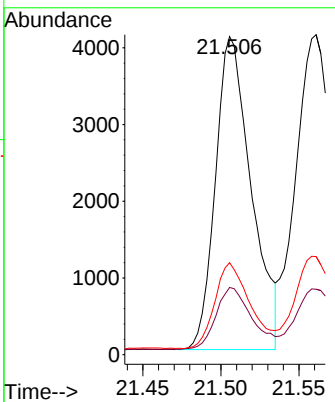
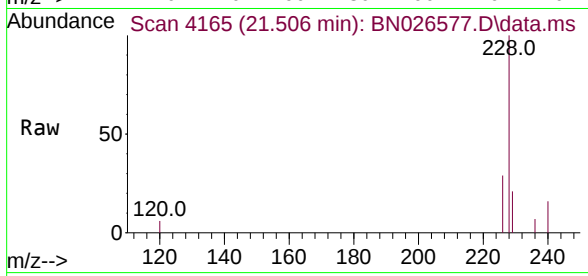




#21  
 Benzo(a)anthracene  
 Concen: 0.311 ng/ul  
 RT: 21.506 min Scan# 4165  
 Delta R.T. -0.002 min  
 Lab File: BN026577.D  
 Acq: 18 Jul 2023 23:34

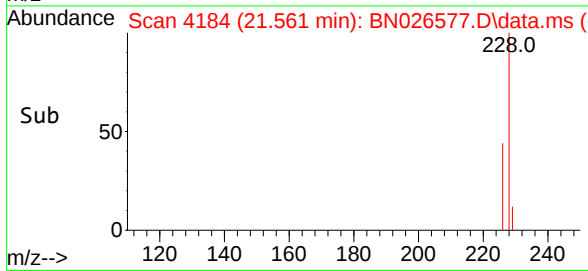
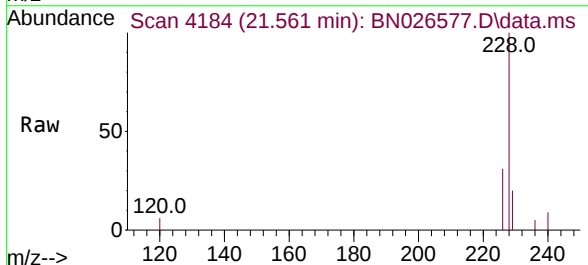
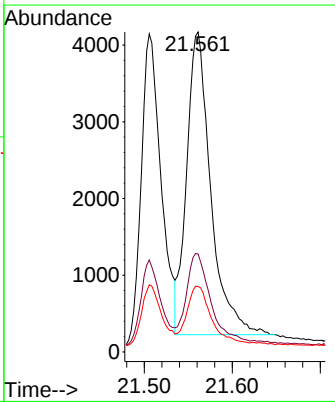
Instrument :  
 BNA\_N  
 ClientSampleId :

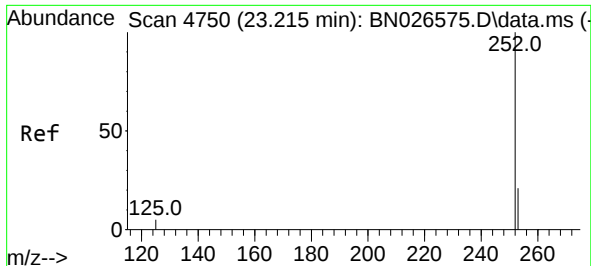
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 6520 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 21.1  | 16.7  | 25.1 |
| 226       | 28.9  | 23.5  | 35.3 |



#22  
 Chrysene  
 Concen: 0.315 ng/ul  
 RT: 21.561 min Scan# 4184  
 Delta R.T. 0.001 min  
 Lab File: BN026577.D  
 Acq: 18 Jul 2023 23:34

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 7530 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 30.6  | 25.2  | 37.8 |
| 229       | 20.5  | 16.4  | 24.6 |

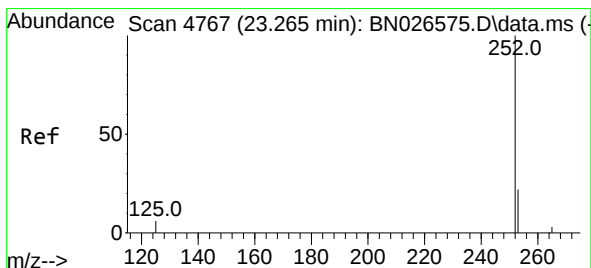
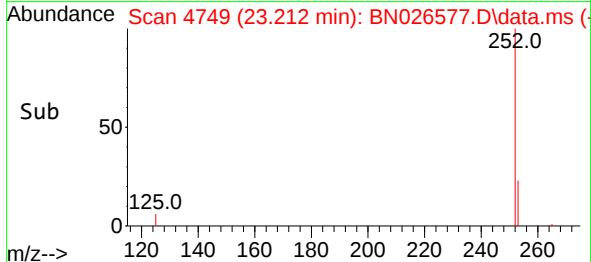
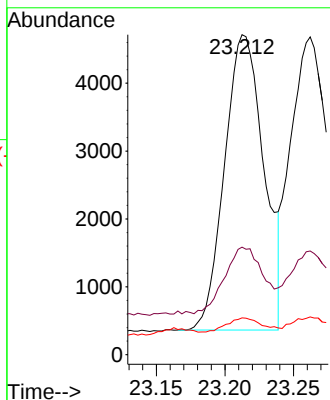
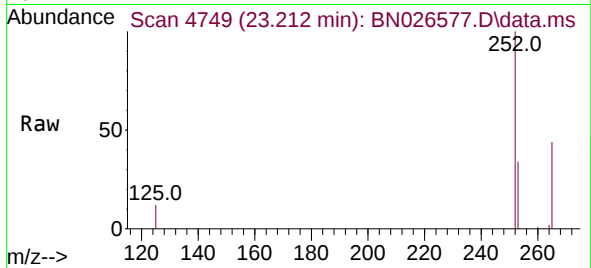




#24  
Benzo(b)fluoranthene  
Concen: 0.292 ng/ul  
RT: 23.212 min Scan# 4750  
Delta R.T. -0.002 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

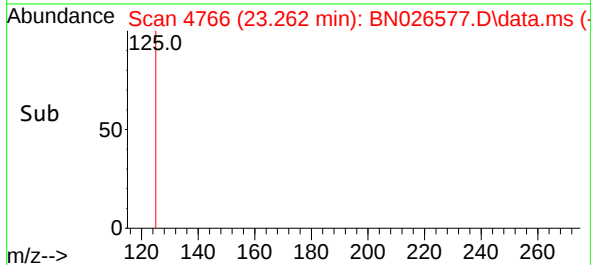
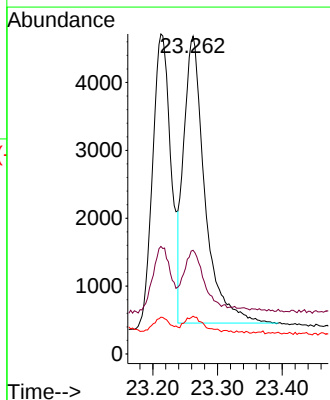
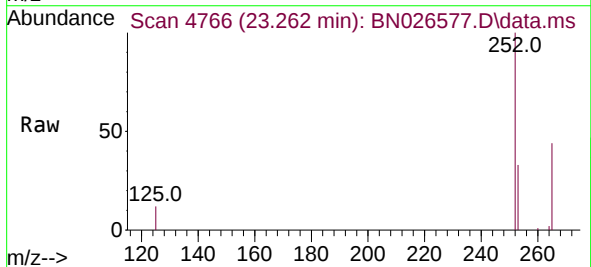
Instrument :  
BNA\_N  
ClientSampleId :

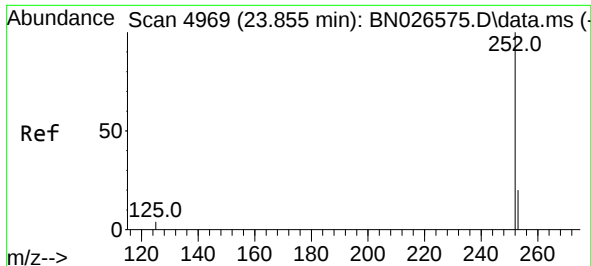
Tgt Ion:252 Resp: 8690  
Ion Ratio Lower Upper  
252 100  
253 33.6 0.0 68.6  
125 11.5 0.0 34.0



#25  
Benzo(k)fluoranthene  
Concen: 0.308 ng/ul  
RT: 23.262 min Scan# 4766  
Delta R.T. -0.002 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

Tgt Ion:252 Resp: 9619  
Ion Ratio Lower Upper  
252 100  
253 32.7 27.2 40.8  
125 11.9 13.4 20.2#

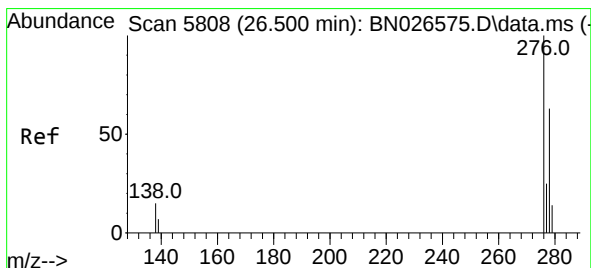
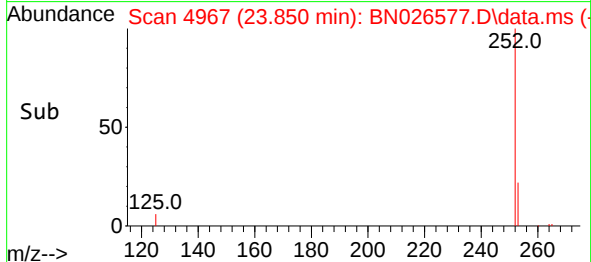
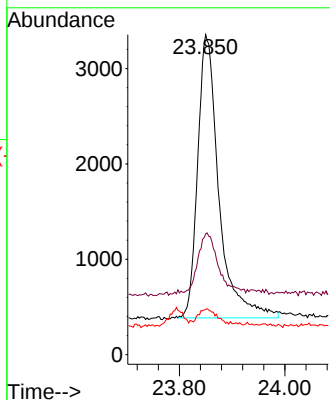
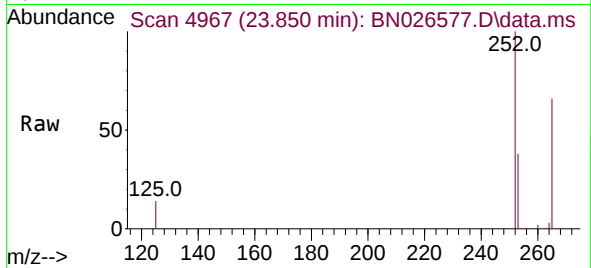




#26  
Benzo(a)pyrene  
Concen: 0.313 ng/ul  
RT: 23.850 min Scan# 4969  
Delta R.T. -0.005 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

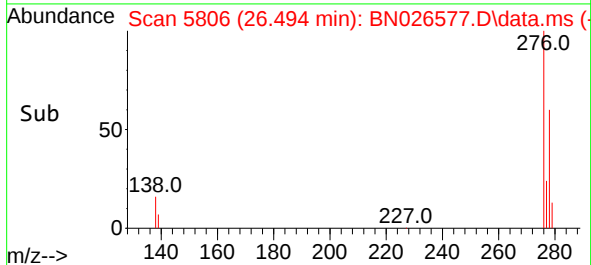
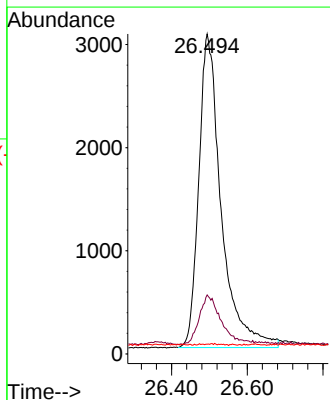
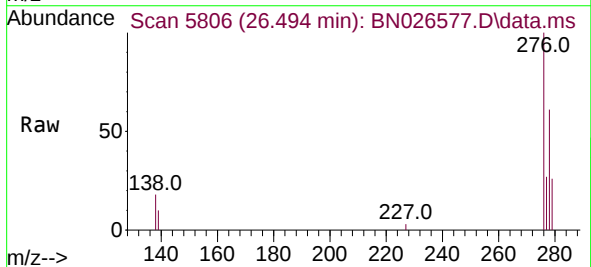
Instrument :  
BNA\_N  
ClientSampleId :

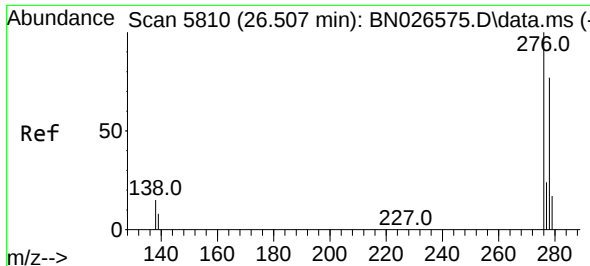
Tgt Ion:252 Resp: 8282  
Ion Ratio Lower Upper  
252 100  
253 37.8 32.6 49.0  
125 14.2 19.3 28.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.360 ng/ul  
RT: 26.494 min Scan# 5806  
Delta R.T. -0.006 min  
Lab File: BN026577.D  
Acq: 18 Jul 2023 23:34

Tgt Ion:276 Resp: 12490  
Ion Ratio Lower Upper  
276 100  
138 16.1 22.2 33.4#  
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.377 ng/ul

RT: 26.511 min Scan# 5811

Delta R.T. 0.004 min

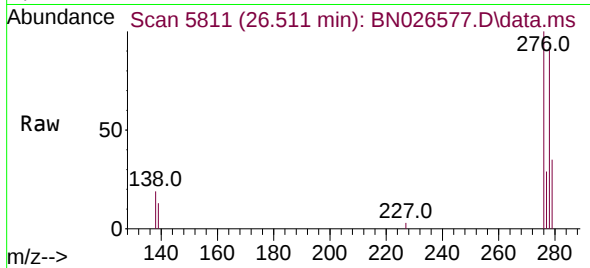
Lab File: BN026577.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA\_N

ClientSampleId :



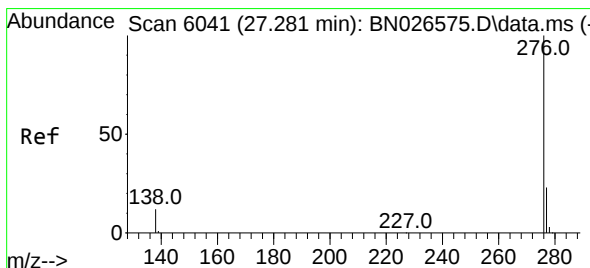
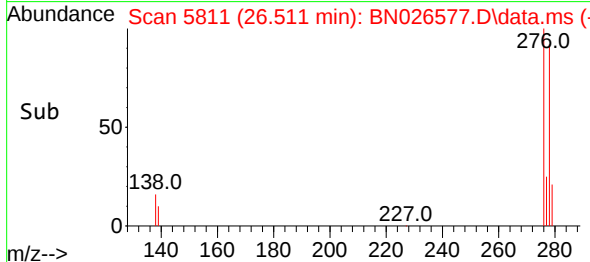
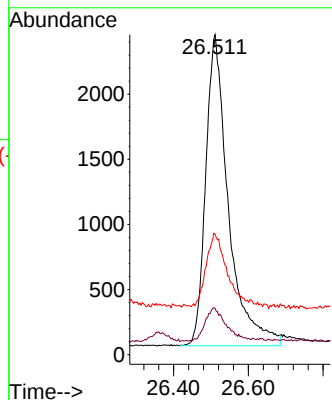
Tgt Ion:278 Resp: 10040

Ion Ratio Lower Upper

278 100

139 14.5 18.9 28.3#

279 37.6 31.3 46.9



#29

Benzo(g,h,i)perylene

Concen: 0.346 ng/ul

RT: 27.279 min Scan# 6040

Delta R.T. -0.003 min

Lab File: BN026577.D

Acq: 18 Jul 2023 23:34

Tgt Ion:276 Resp: 10602

Ion Ratio Lower Upper

276 100

138 16.8 22.6 34.0#

277 26.9 21.8 32.8

