

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028059.D  
 Acq On : 05 Oct 2023 21:32  
 Operator : MA/JU  
 Sample : 04527-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 06 01:37:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 03 15:50:04 2023  
 Response via : Initial Calibration

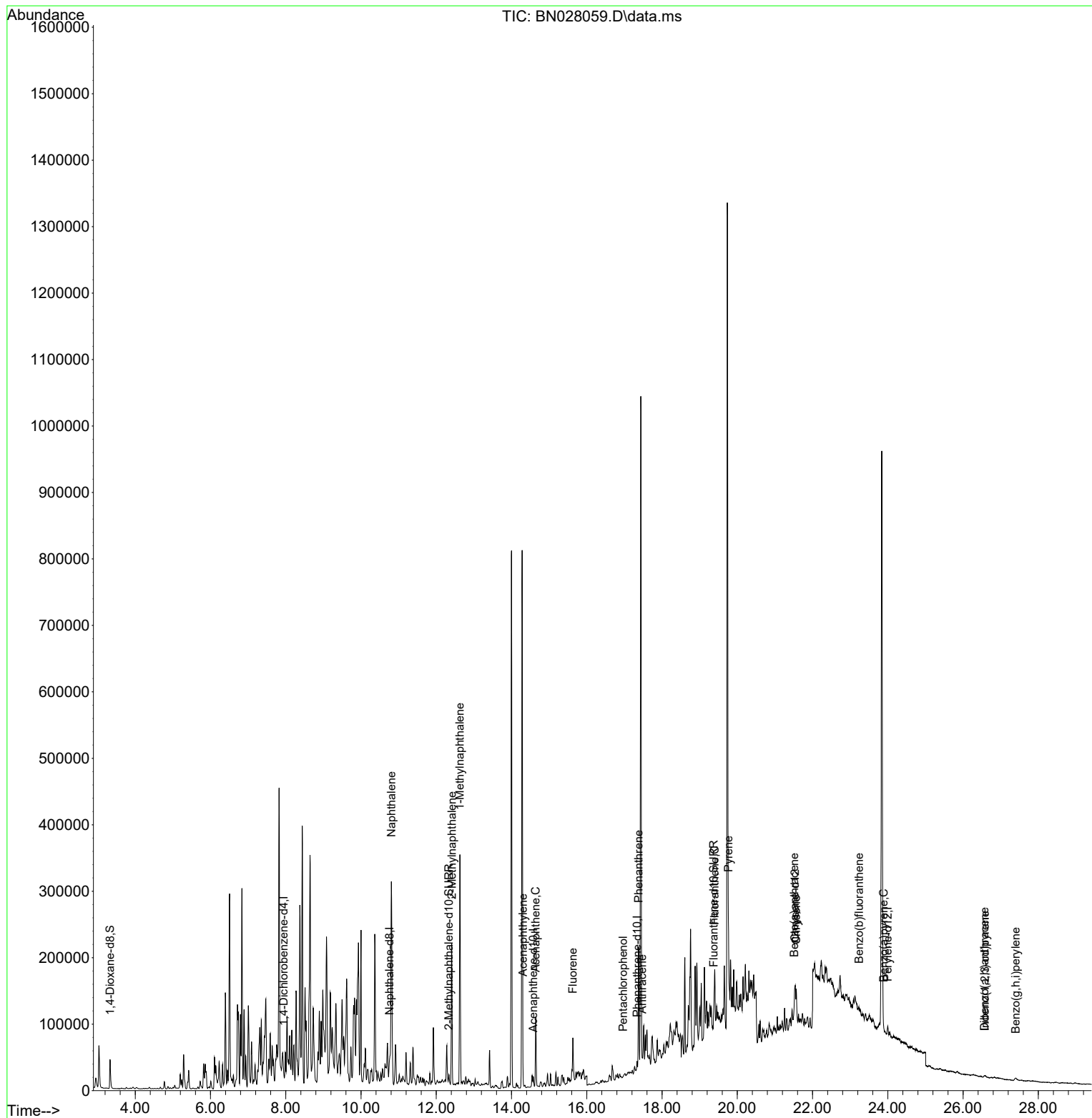
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.941  | 152  | 5319     | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.757 | 136  | 15451    | 0.400  | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.578 | 164  | 9343     | 0.400  | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.337 | 188  | 16959    | 0.400  | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.530 | 240  | 14506    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.997 | 264  | 16327    | 0.400  | ng/ul  | # 0.00   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 34383    | 5.146  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.335 | 152  | 8179     | 0.329  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.371 | 212  | 10752    | 0.234  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          | Qvalue |        |          |
| 5) Naphthalene              | 10.806 | 128  | 403233   | 9.193  | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.412 | 142  | 149833   | 5.412  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.627 | 142  | 230159   | 8.034  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.300 | 152  | 2127     | 0.050  | ng/ul# | 1        |
| 11) Acenaphthene            | 14.643 | 153  | 61433    | 1.821  | ng/ul  | 99       |
| 12) Fluorene                | 15.628 | 166  | 41165    | 1.097  | ng/ul# | 94       |
| 14) Pentachlorophenol       | 16.966 | 266  | 290      | 0.080  | ng/ul# | 38       |
| 15) Phenanthrene            | 17.380 | 178  | 199054   | 3.938  | ng/ul# | 92       |
| 16) Anthracene              | 17.472 | 178  | 13429    | 0.297  | ng/ul# | 24       |
| 19) Fluoranthene            | 19.399 | 202  | 85061    | 1.536  | ng/ul# | 85       |
| 20) Pyrene                  | 19.762 | 202  | 113262   | 1.973  | ng/ul# | 77       |
| 21) Benzo(a)anthracene      | 21.513 | 228  | 16726    | 0.316  | ng/ul# | 1        |
| 22) Chrysene                | 21.565 | 228  | 33518    | 0.627  | ng/ul# | 12       |
| 24) Benzo(b)fluoranthene    | 23.234 | 252  | 24015    | 0.397  | ng/ul# | 1        |
| 26) Benzo(a)pyrene          | 23.889 | 252  | 8595     | 0.167  | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.582 | 276  | 4316     | 0.069  | ng/ul# | 48       |
| 28) Dibenzo(a,h)anthracene  | 26.572 | 278  | 1768     | 0.035  | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.397 | 276  | 6305     | 0.123  | ng/ul# | 1        |
| -----                       |        |      |          |        |        |          |

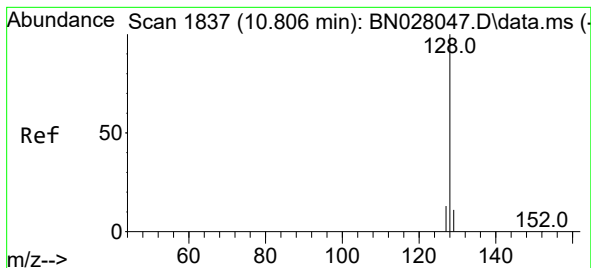
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 03 15:50:04 2023  
Response via : Initial Calibration

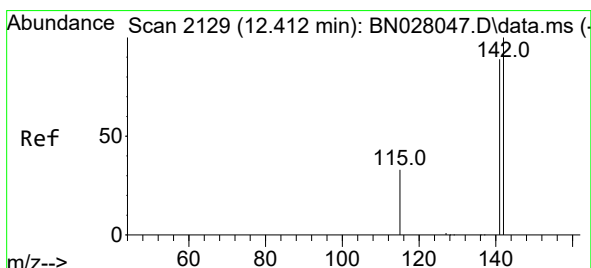
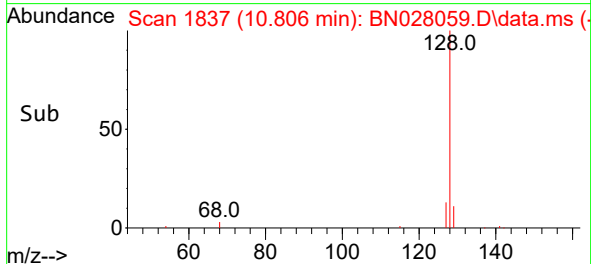
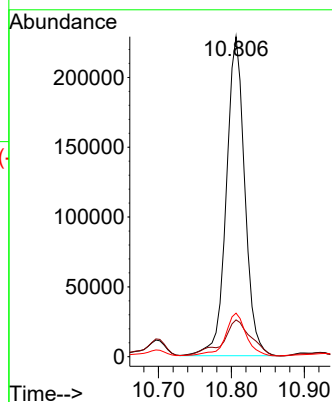
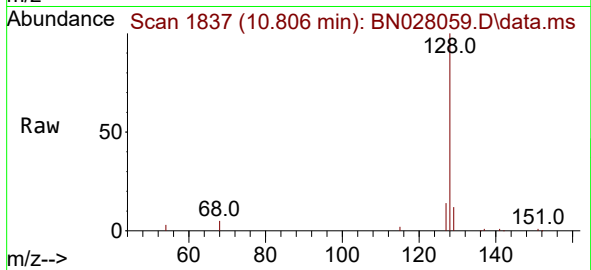




#5  
Naphthalene  
Concen: 9.193 ng/ul  
RT: 10.806 min Scan# 1837  
Delta R.T. -0.011 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

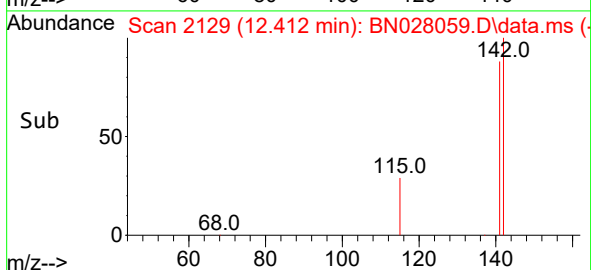
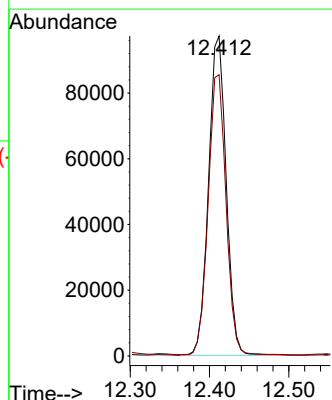
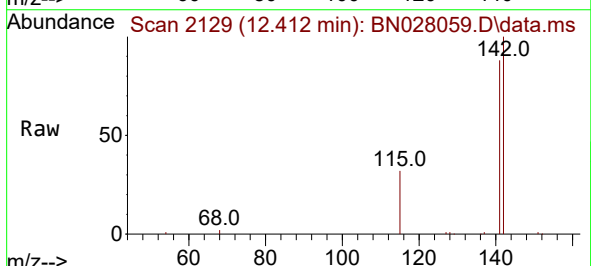
Instrument :  
BNA\_N  
ClientSampleId :

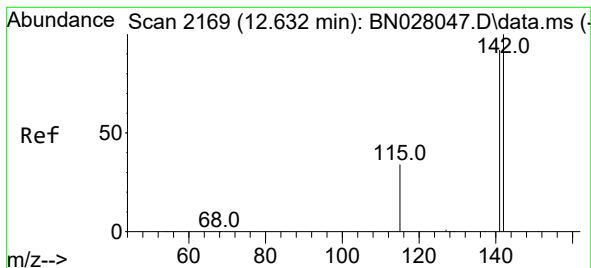
Tgt Ion:128 Resp: 403233  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.4 14.0  
127 13.6 11.0 16.4



#7  
2-Methylnaphthalene  
Concen: 5.412 ng/ul  
RT: 12.412 min Scan# 2129  
Delta R.T. -0.011 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

Tgt Ion:142 Resp: 149833  
Ion Ratio Lower Upper  
142 100  
141 88.6 70.9 106.3





#8

1-Methylnaphthalene

Concen: 8.034 ng/ul

RT: 12.627 min Scan# 2168

Delta R.T. -0.017 min

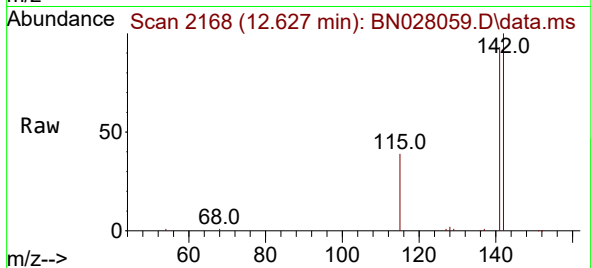
Lab File: BN028059.D

Acq: 05 Oct 2023 21:32

Instrument :

BNA\_N

ClientSampleId :

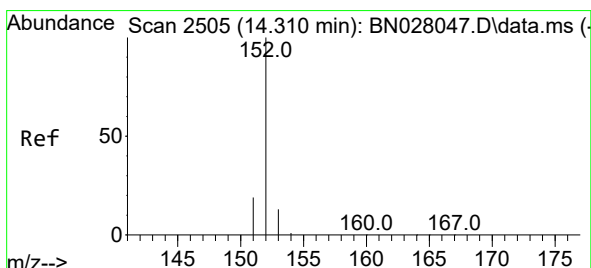
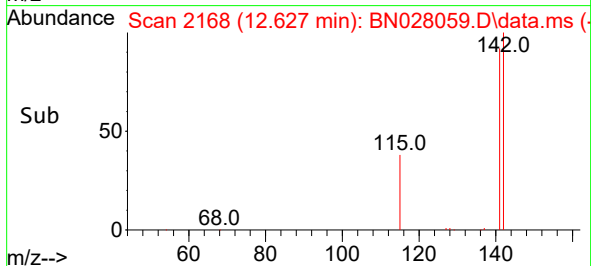
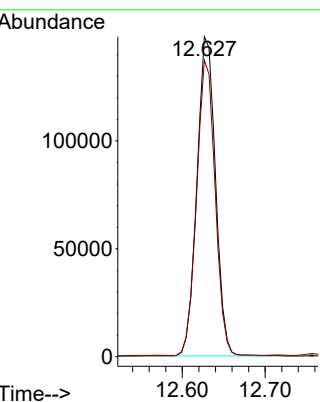


Tgt Ion:142 Resp: 230159

Ion Ratio Lower Upper

142 100

141 92.3 74.4 111.6



#10

Acenaphthylene

Concen: 0.050 ng/ul

RT: 14.300 min Scan# 2503

Delta R.T. -0.019 min

Lab File: BN028059.D

Acq: 05 Oct 2023 21:32

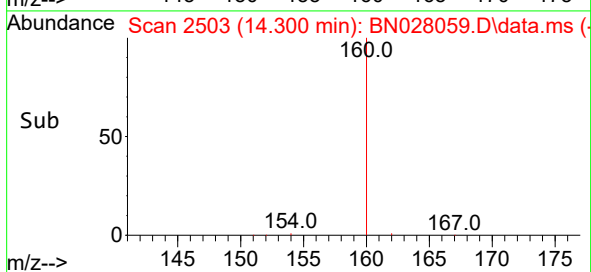
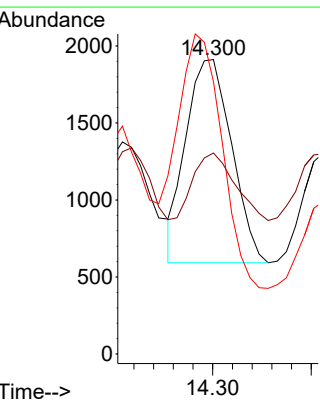
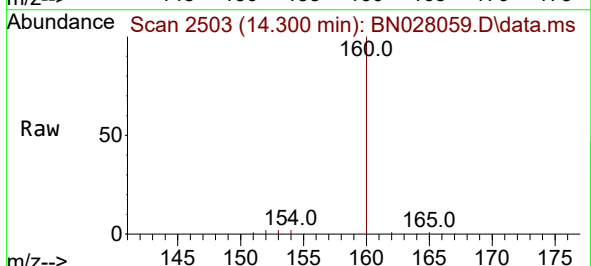
Tgt Ion:152 Resp: 2127

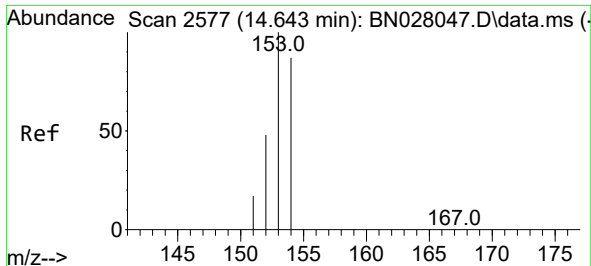
Ion Ratio Lower Upper

152 100

151 68.3 16.4 24.6#

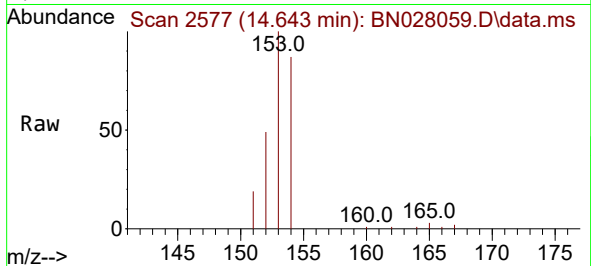
153 92.4 10.9 16.3#



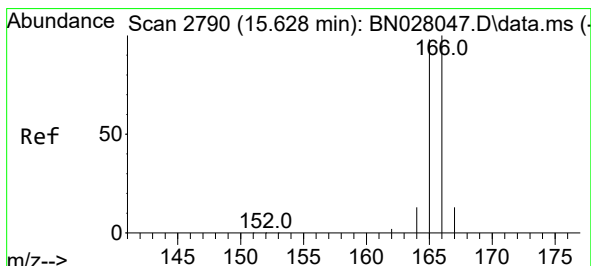
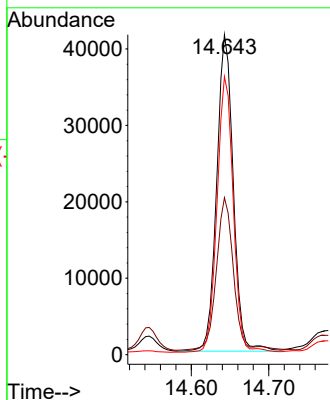
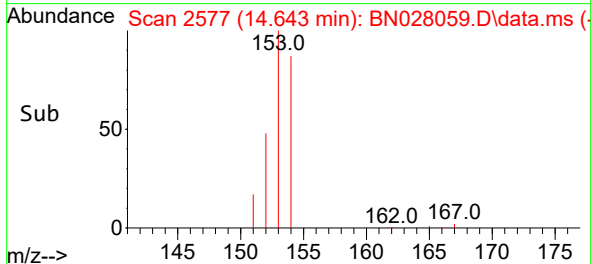


#11  
Acenaphthene  
Concen: 1.821 ng/ul  
RT: 14.643 min Scan# 21  
Delta R.T. -0.014 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

Instrument :  
BNA\_N  
ClientSampleId :

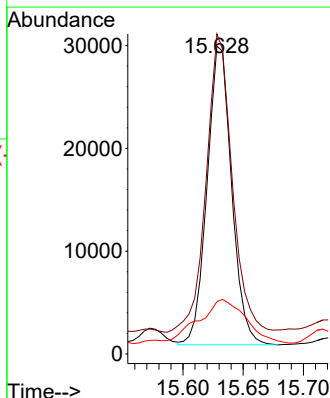
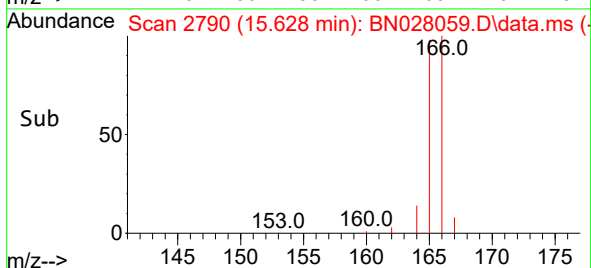
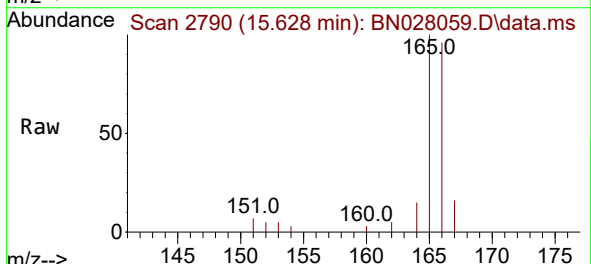


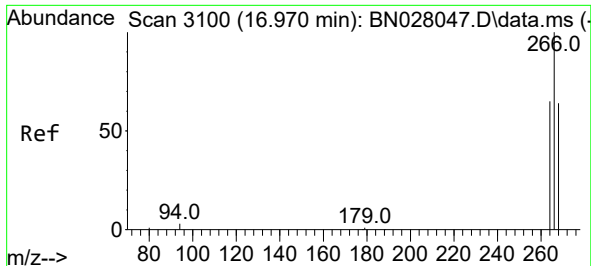
Tgt Ion:153 Resp: 61433  
Ion Ratio Lower Upper  
153 100  
152 49.1 39.4 59.0  
154 86.9 70.2 105.4



#12  
Fluorene  
Concen: 1.097 ng/ul  
RT: 15.628 min Scan# 2790  
Delta R.T. -0.014 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

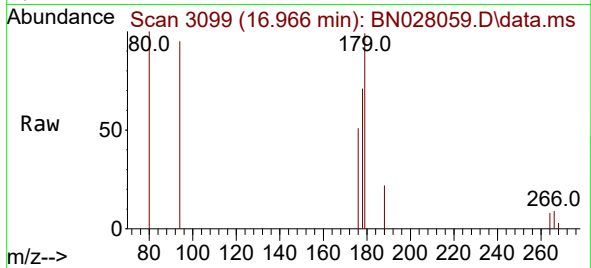
Tgt Ion:166 Resp: 41165  
Ion Ratio Lower Upper  
166 100  
165 104.0 78.5 117.7  
167 17.0 11.2 16.8#



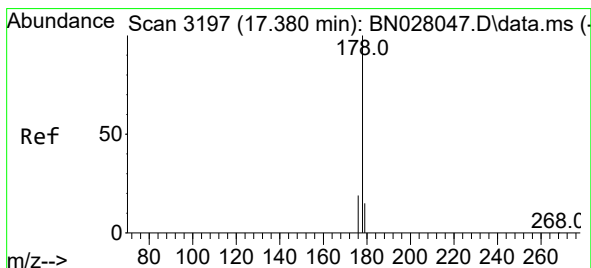
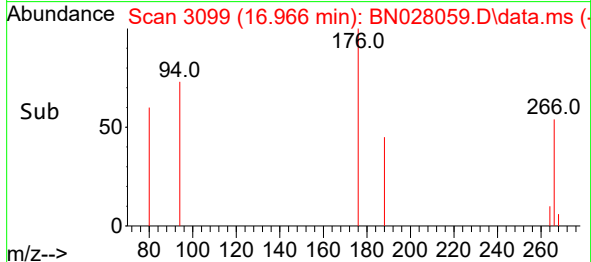
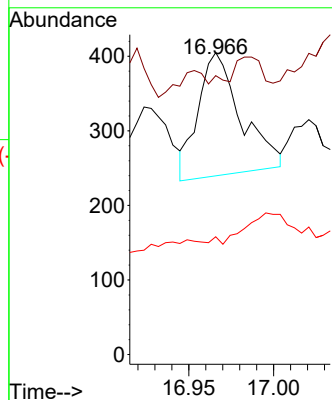


#14  
Pentachlorophenol  
Concen: 0.080 ng/ul  
RT: 16.966 min Scan# 3099  
Delta R.T. -0.021 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

Instrument :  
BNA\_N  
ClientSampleId :

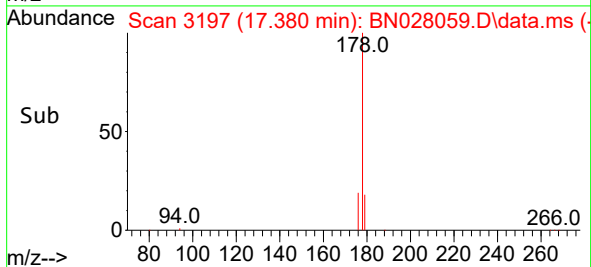
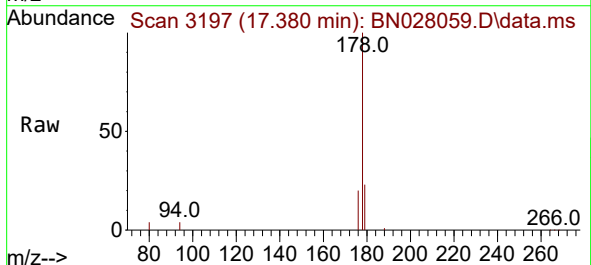
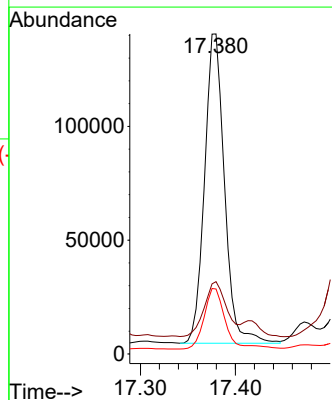


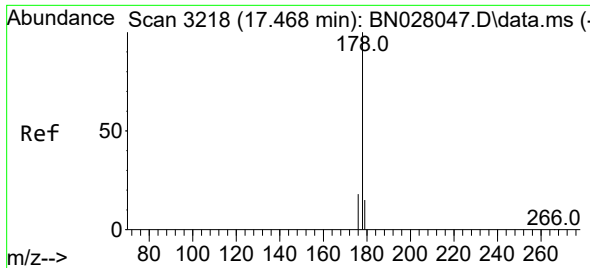
Tgt Ion:266 Resp: 290  
Ion Ratio Lower Upper  
266 100  
264 20.3 49.6 74.4#  
268 10.7 52.2 78.4#



#15  
Phenanthrene  
Concen: 3.938 ng/ul  
RT: 17.380 min Scan# 3197  
Delta R.T. -0.008 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

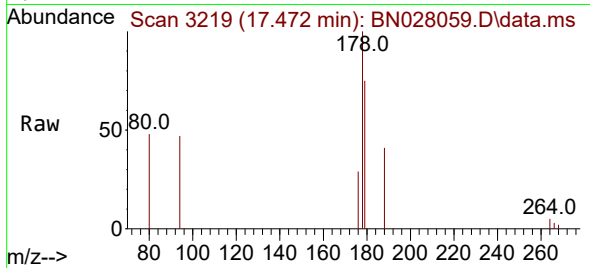
Tgt Ion:178 Resp: 199054  
Ion Ratio Lower Upper  
178 100  
179 22.6 12.6 19.0#  
176 20.3 15.5 23.3



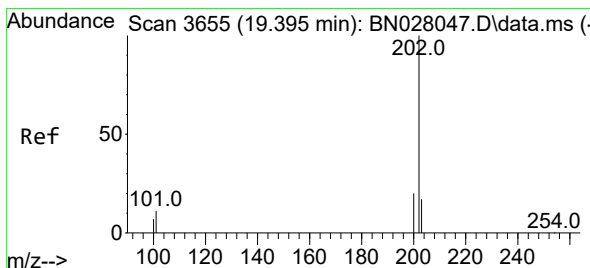
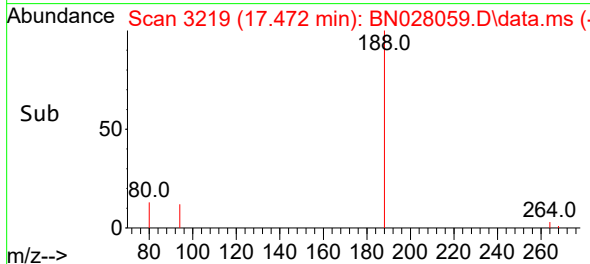
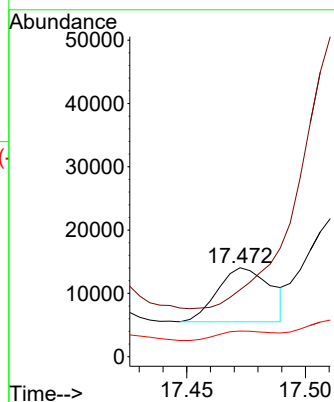


#16  
 Anthracene  
 Concen: 0.297 ng/ul  
 RT: 17.472 min Scan# 31  
 Delta R.T. -0.008 min  
 Lab File: BN028059.D  
 Acq: 05 Oct 2023 21:32

Instrument :  
 BNA\_N  
 ClientSampleId :

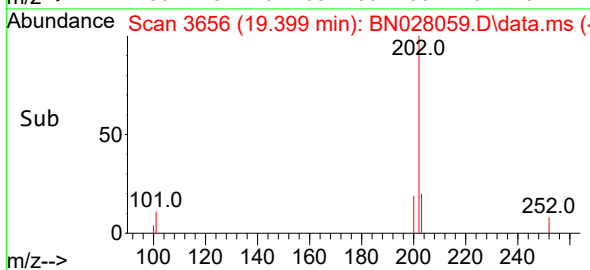
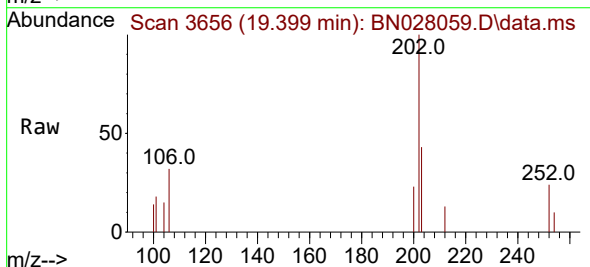
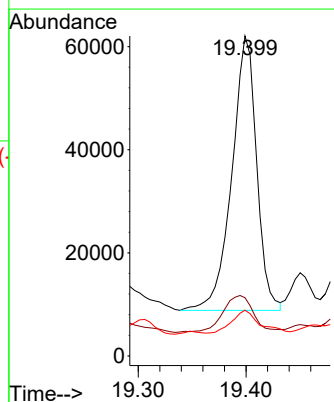


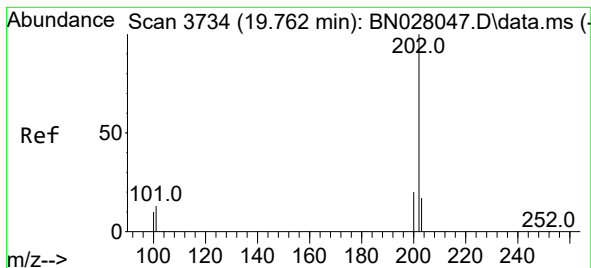
Tgt Ion:178 Resp: 13429  
 Ion Ratio Lower Upper  
 178 100  
 179 75.1 12.8 19.2#  
 176 28.7 15.0 22.6#



#19  
 Fluoranthene  
 Concen: 1.536 ng/ul  
 RT: 19.399 min Scan# 3656  
 Delta R.T. -0.004 min  
 Lab File: BN028059.D  
 Acq: 05 Oct 2023 21:32

Tgt Ion:202 Resp: 85061  
 Ion Ratio Lower Upper  
 202 100  
 101 18.2 9.6 14.4#  
 100 14.3 7.4 11.0#





#20

Pyrene

Concen: 1.973 ng/ul

RT: 19.762 min Scan# 31

Delta R.T. -0.009 min

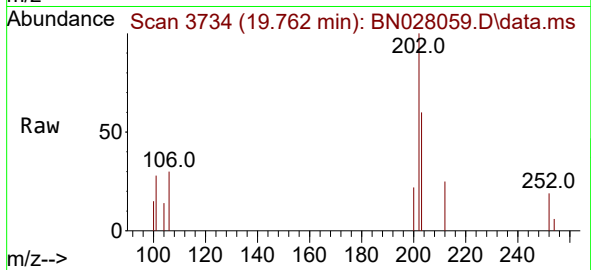
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Instrument :

BNA\_N

ClientSampleId :



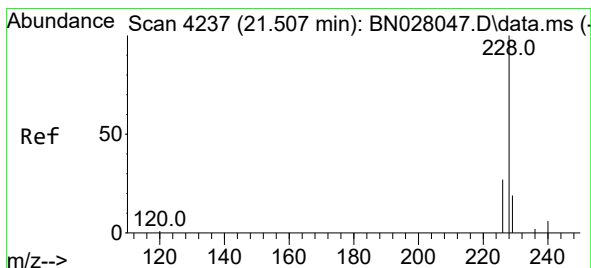
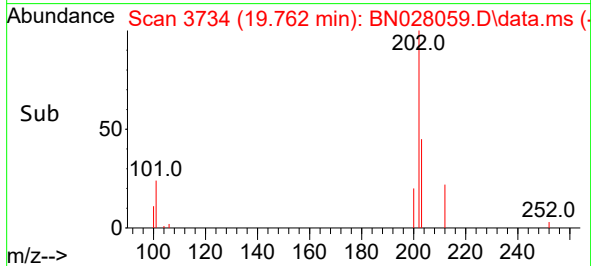
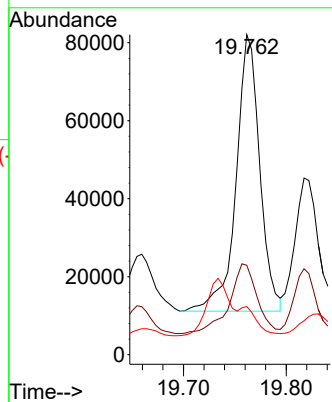
Tgt Ion:202 Resp: 113262

Ion Ratio Lower Upper

202 100

101 27.9 11.2 16.8#

100 15.1 9.1 13.7#



#21

Benzo(a)anthracene

Concen: 0.316 ng/ul

RT: 21.513 min Scan# 4239

Delta R.T. -0.006 min

Lab File: BN028059.D

Acq: 05 Oct 2023 21:32

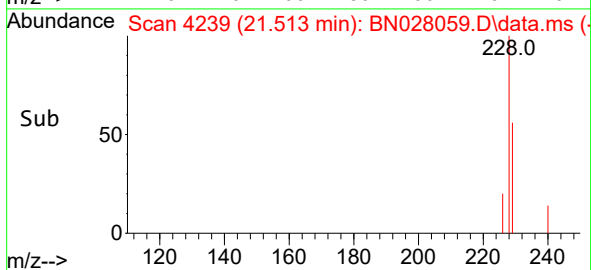
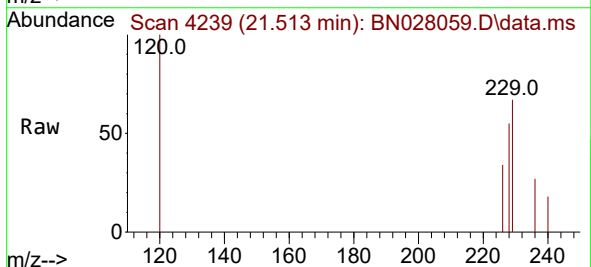
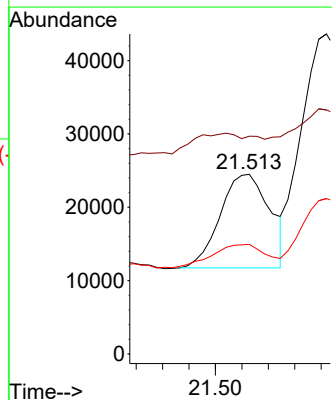
Tgt Ion:228 Resp: 16726

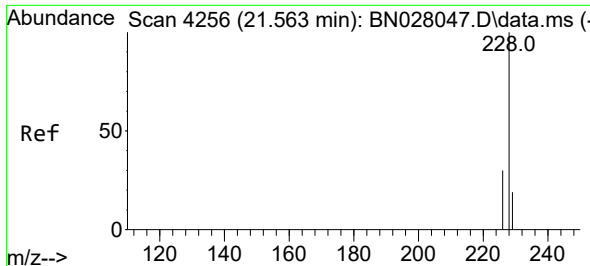
Ion Ratio Lower Upper

228 100

229 121.2 16.0 24.0#

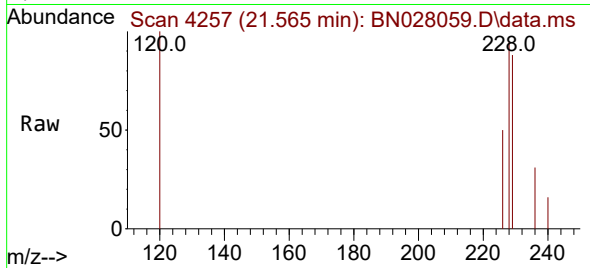
226 61.0 21.5 32.3#



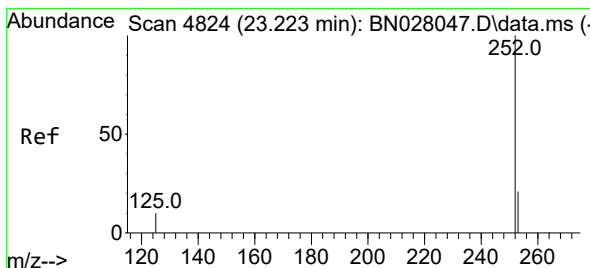
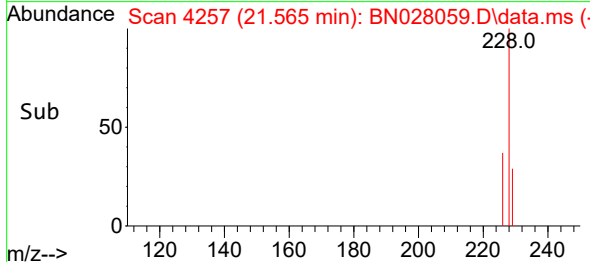
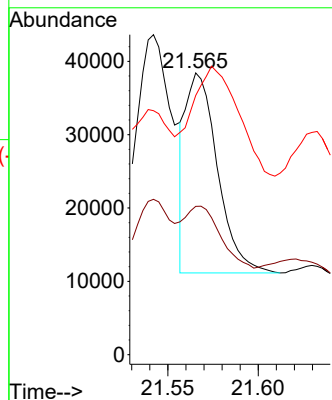


#22  
Chrysene  
Concen: 0.627 ng/ul  
RT: 21.565 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

Instrument :  
BNA\_N  
ClientSampleId :

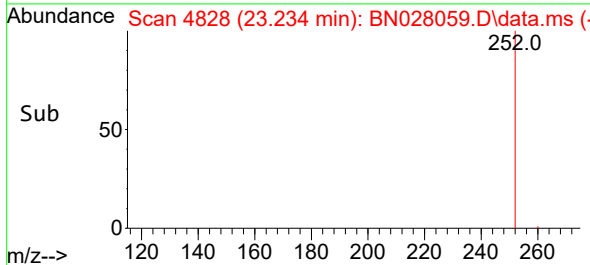
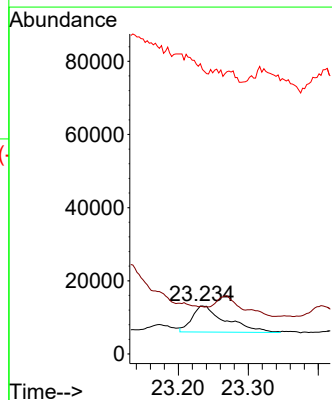
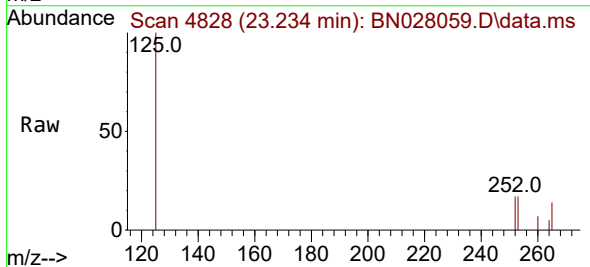


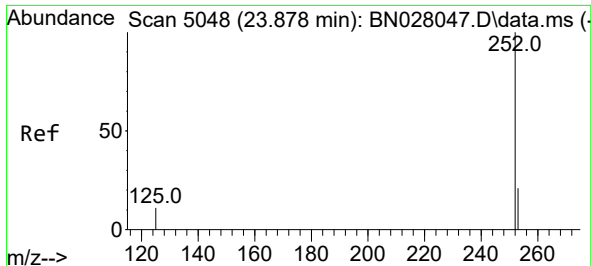
Tgt Ion:228 Resp: 33518  
Ion Ratio Lower Upper  
228 100  
226 52.6 23.8 35.8#  
229 92.0 16.0 24.0#



#24  
Benzo(b)fluoranthene  
Concen: 0.397 ng/ul  
RT: 23.234 min Scan# 4828  
Delta R.T. -0.006 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

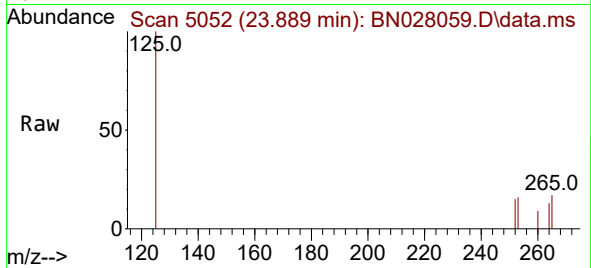
Tgt Ion:252 Resp: 24015  
Ion Ratio Lower Upper  
252 100  
253 98.8 0.0 54.0#  
125 592.2 0.0 31.4#



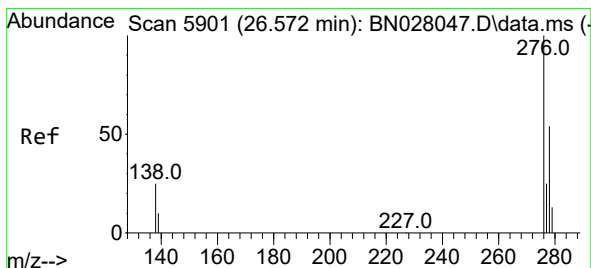
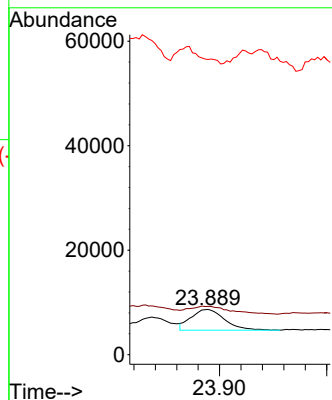
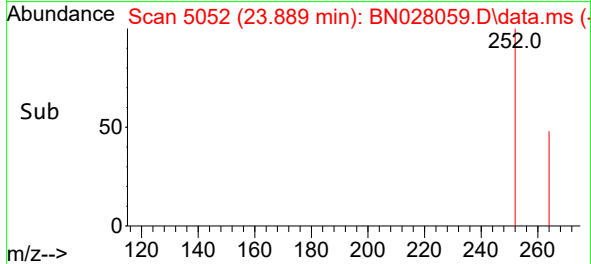


#26  
Benzo(a)pyrene  
Concen: 0.167 ng/ul  
RT: 23.889 min Scan# 5048  
Delta R.T. -0.006 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

Instrument :  
BNA\_N  
ClientSampleId :

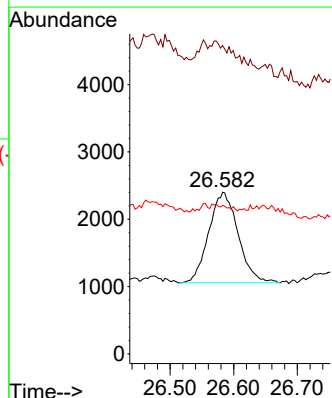
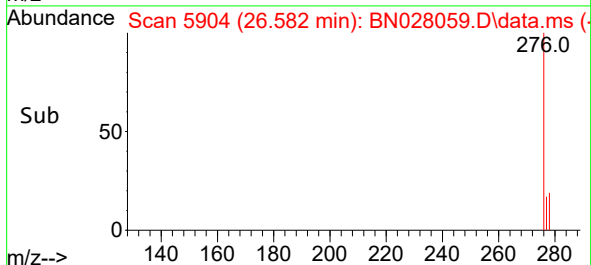
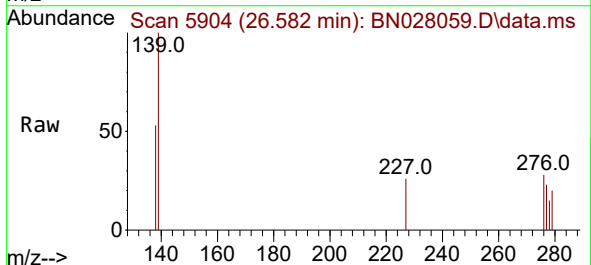


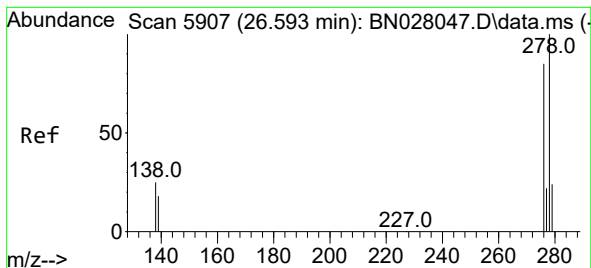
Tgt Ion:252 Resp: 8595  
Ion Ratio Lower Upper  
252 100  
253 106.8 23.4 35.2#  
125 652.3 15.3 22.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.069 ng/ul  
RT: 26.582 min Scan# 5904  
Delta R.T. -0.020 min  
Lab File: BN028059.D  
Acq: 05 Oct 2023 21:32

Tgt Ion:276 Resp: 4316  
Ion Ratio Lower Upper  
276 100  
138 0.0 21.6 32.4#  
227 3.3 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.035 ng/ul

RT: 26.572 min Scan# 5907

Delta R.T. -0.047 min

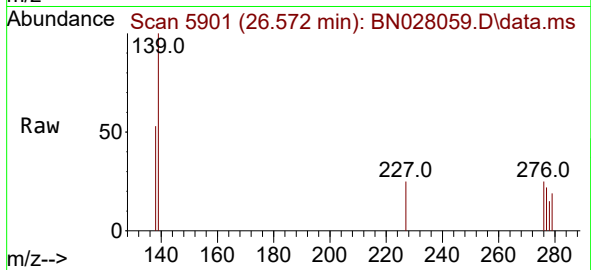
Lab File: BN028059.D

Acq: 05 Oct 2023 21:32

Instrument :

BNA\_N

ClientSampleId :



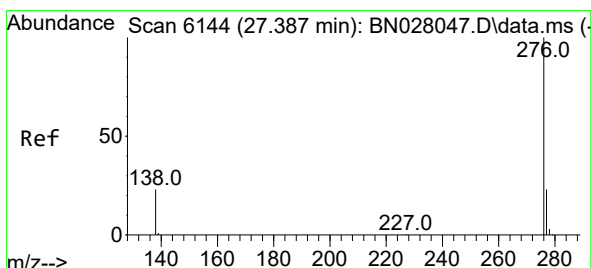
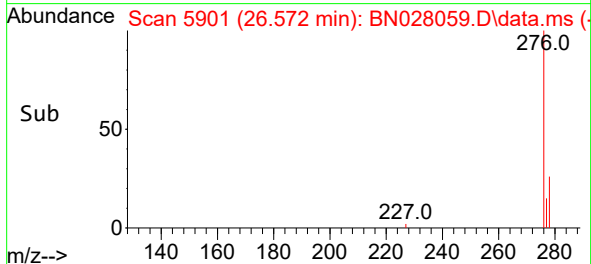
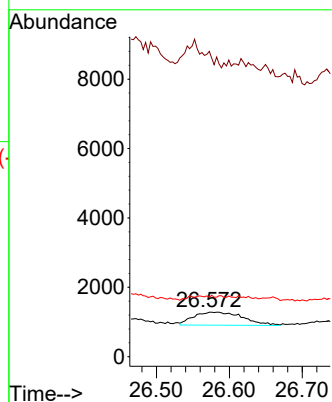
Tgt Ion:278 Resp: 1768

Ion Ratio Lower Upper

278 100

139 686.4 15.9 23.9#

279 133.4 22.8 34.2#



#29

Benzo(g,h,i)perylene

Concen: 0.123 ng/ul

RT: 27.397 min Scan# 6147

Delta R.T. -0.023 min

Lab File: BN028059.D

Acq: 05 Oct 2023 21:32

Tgt Ion:276 Resp: 6305

Ion Ratio Lower Upper

276 100

138 156.8 19.8 29.6#

277 67.8 20.6 31.0#

