

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
 Data File : BN032532.D  
 Acq On : 06 Jul 2024 06:23  
 Operator : MA/JU  
 Sample : P2963-14DL 5X  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CR8DL

Quant Time: Jul 07 23:43:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 03 03:26:42 2024  
 Response via : Initial Calibration

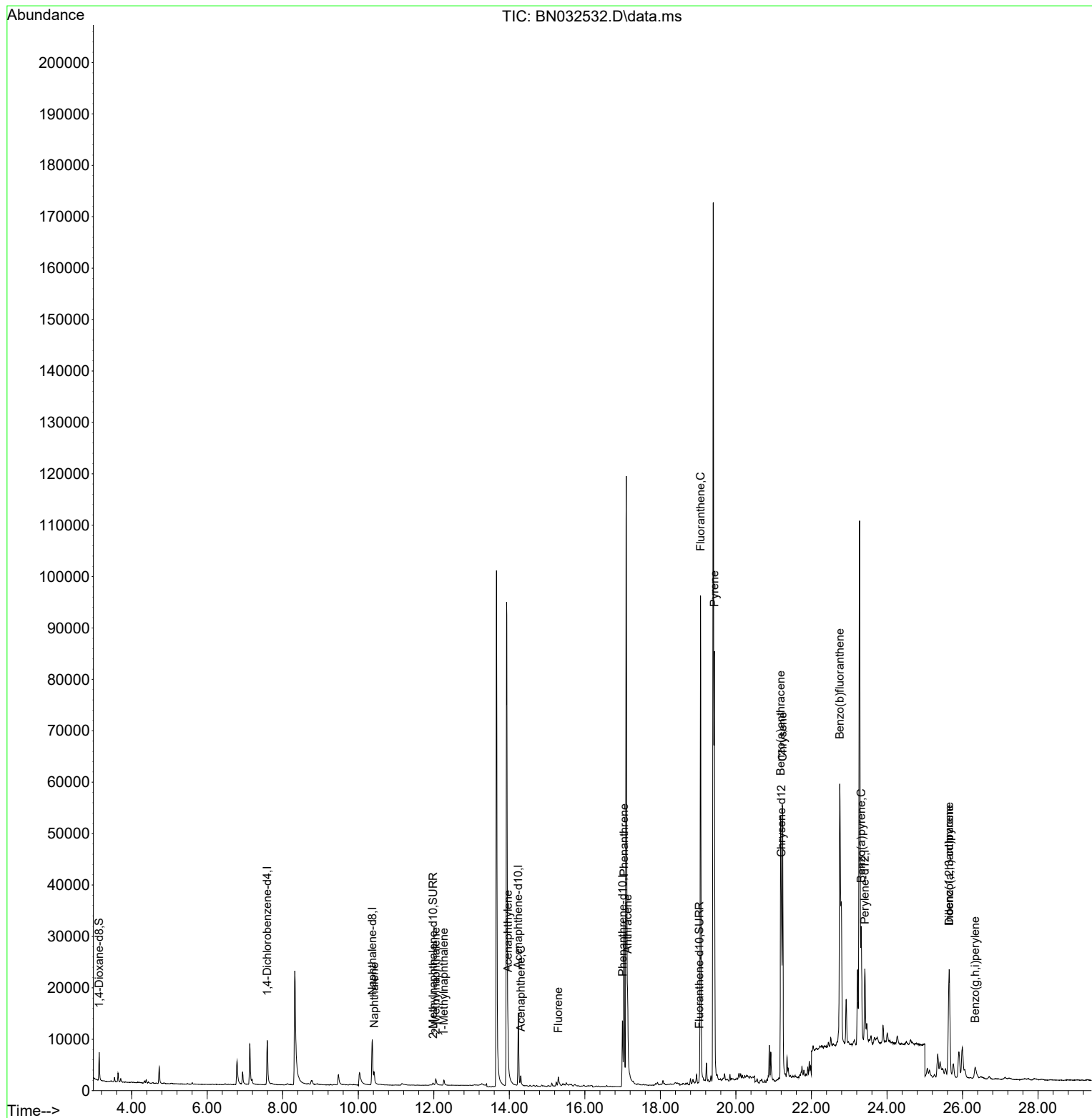
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.591  | 152  | 5489     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.371 | 136  | 15504    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.239 | 164  | 8683     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.999 | 188  | 16885    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.203 | 240  | 16524    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.415 | 264  | 19572    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.139  | 96   | 3903     | 0.640 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.982 | 152  | 961      | 0.041 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.036 | 212  | 2054     | 0.041 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.420 | 128  | 3617     | 0.088 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 12.054 | 142  | 1478     | 0.054 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.268 | 142  | 966      | 0.034 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.962 | 152  | 9501     | 0.263 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.304 | 153  | 1179     | 0.042 | ng/ul  | 95       |
| 12) Fluorene                | 15.299 | 166  | 1667     | 0.050 | ng/ul# | 94       |
| 15) Phenanthrene            | 17.037 | 178  | 37581    | 0.812 | ng/ul  | 99       |
| 16) Anthracene              | 17.134 | 178  | 13232    | 0.320 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.064 | 202  | 85514    | 1.359 | ng/ul  | 98       |
| 20) Pyrene                  | 19.431 | 202  | 72085    | 1.096 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.185 | 228  | 46130    | 0.773 | ng/ul  | 97       |
| 22) Chrysene                | 21.238 | 228  | 58197    | 0.889 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.751 | 252  | 112610   | 1.324 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.319 | 252  | 30143    | 0.509 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.646 | 276  | 31611    | 0.341 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.650 | 278  | 11005    | 0.160 | ng/ul# | 73       |
| 29) Benzo(g,h,i)perylene    | 26.334 | 276  | 4641     | 0.063 | ng/ul# | 66       |
| -----                       |        |      |          |       |        |          |

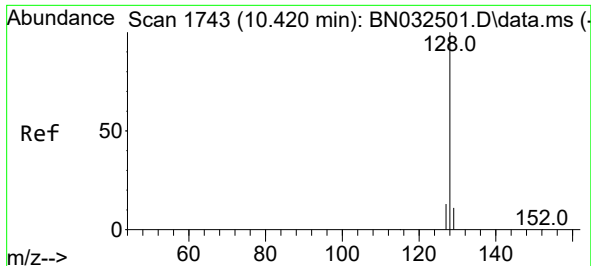
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
Data File : BN032532.D  
Acq On : 06 Jul 2024 06:23  
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Sample : P2963-14DL 5X  
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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
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A4CR8DL

Quant Time: Jul 07 23:43:13 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 03 03:26:42 2024  
Response via : Initial Calibration

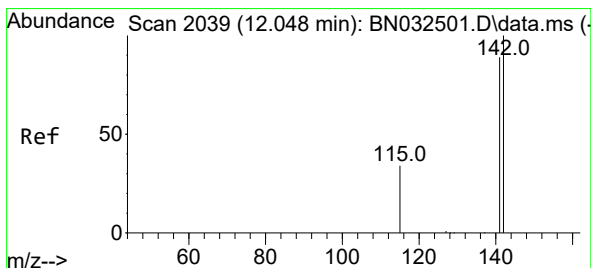
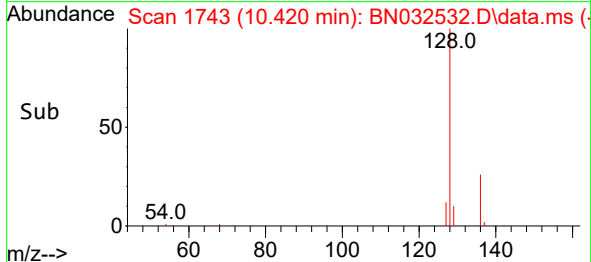
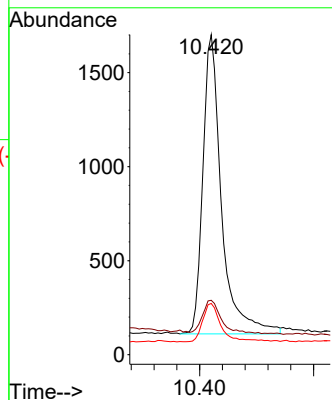
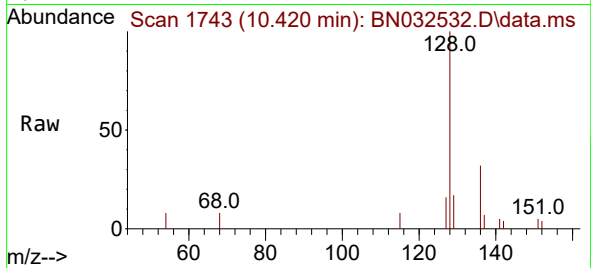




#5  
Naphthalene  
Concen: 0.088 ng/ul  
RT: 10.420 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

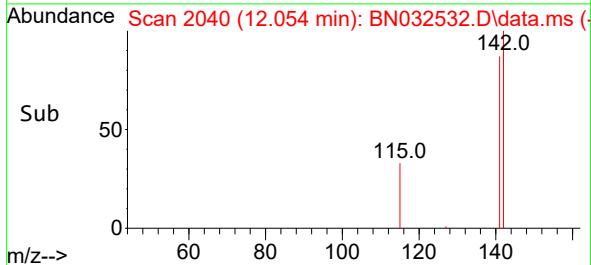
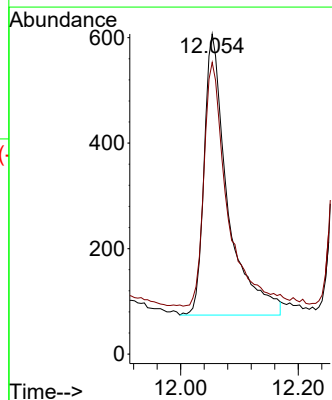
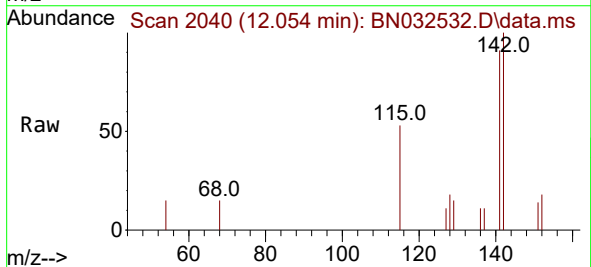
Instrument :  
BNA\_N  
ClientSampleId :  
A4CR8DL

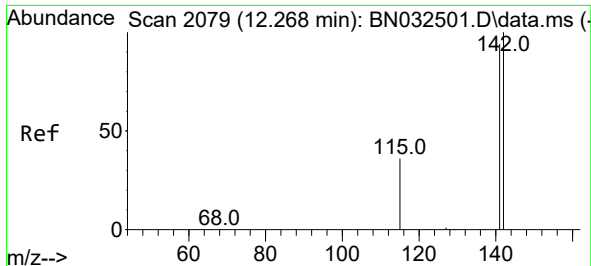
Tgt Ion:128 Resp: 3617  
Ion Ratio Lower Upper  
128 100  
129 17.0 9.2 13.8#  
127 16.0 10.8 16.2



#7  
2-Methylnaphthalene  
Concen: 0.054 ng/ul  
RT: 12.054 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

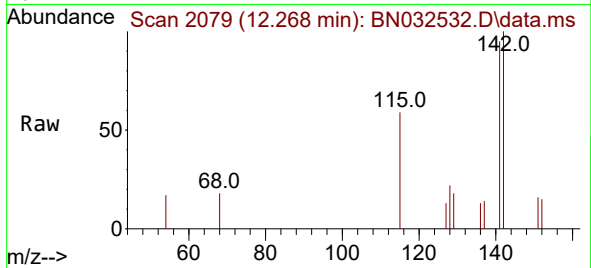
Tgt Ion:142 Resp: 1478  
Ion Ratio Lower Upper  
142 100  
141 85.2 72.2 108.2



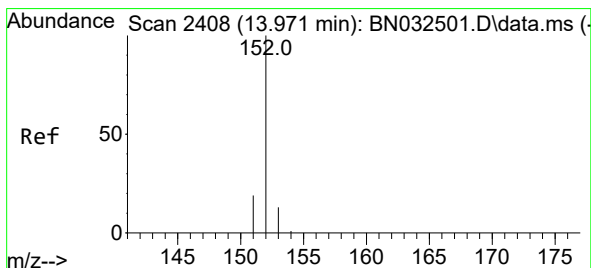
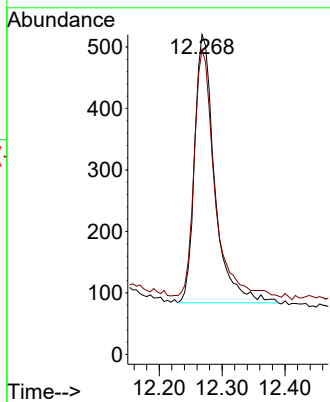
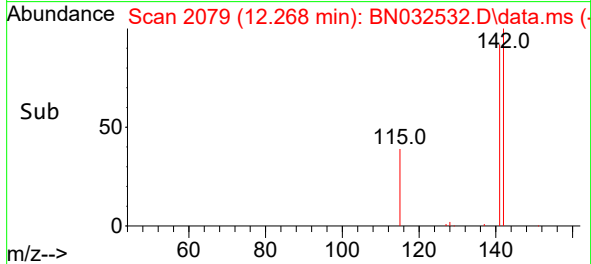


#8  
1-Methylnaphthalene  
Concen: 0.034 ng/ul  
RT: 12.268 min Scan# 2079  
Delta R.T. -0.005 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

Instrument :  
BNA\_N  
ClientSampleId :  
A4CR8DL

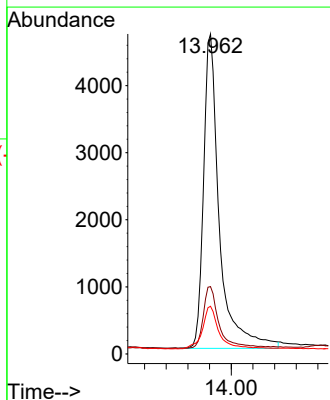
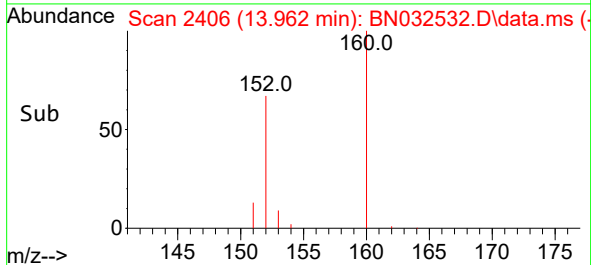
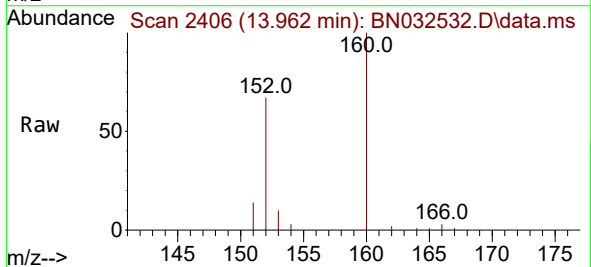


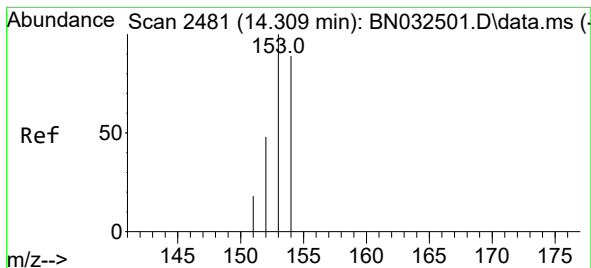
Tgt Ion:142 Resp: 966  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.4 110.0



#10  
Acenaphthylene  
Concen: 0.263 ng/ul  
RT: 13.962 min Scan# 2406  
Delta R.T. -0.009 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

Tgt Ion:152 Resp: 9501  
Ion Ratio Lower Upper  
152 100  
151 21.1 15.7 23.5  
153 14.9 10.9 16.3





#11

Acenaphthene

Concen: 0.042 ng/ul

RT: 14.304 min Scan# 2480

Delta R.T. -0.009 min

Lab File: BN032532.D

Acq: 06 Jul 2024 06:23

Instrument :

BNA\_N

ClientSampleId :

A4CR8DL

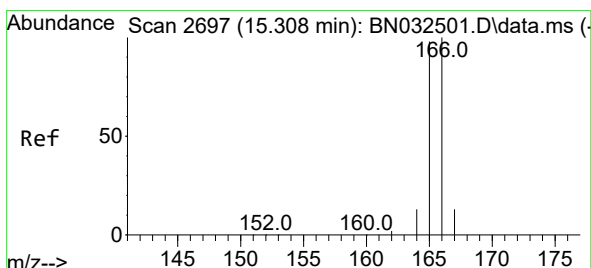
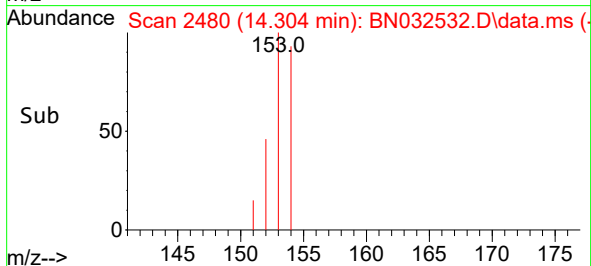
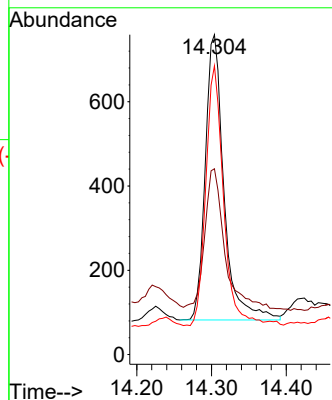
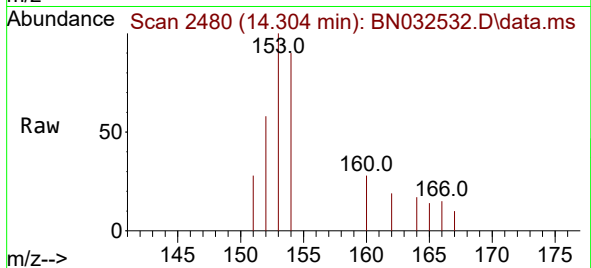
Tgt Ion:153 Resp: 1179

Ion Ratio Lower Upper

153 100

152 58.1 39.5 59.3

154 90.3 71.7 107.5



#12

Fluorene

Concen: 0.050 ng/ul

RT: 15.299 min Scan# 2695

Delta R.T. -0.014 min

Lab File: BN032532.D

Acq: 06 Jul 2024 06:23

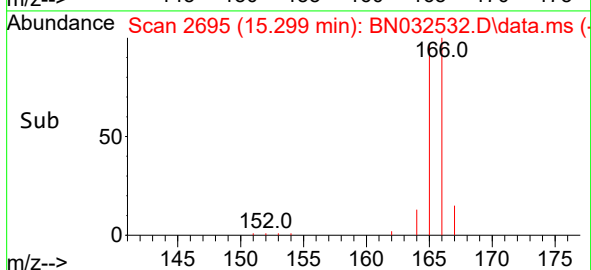
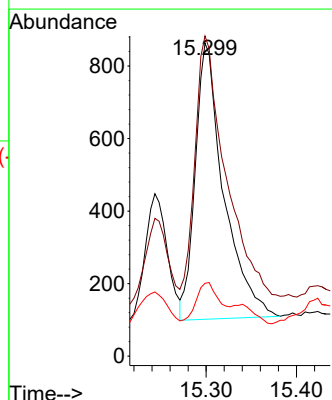
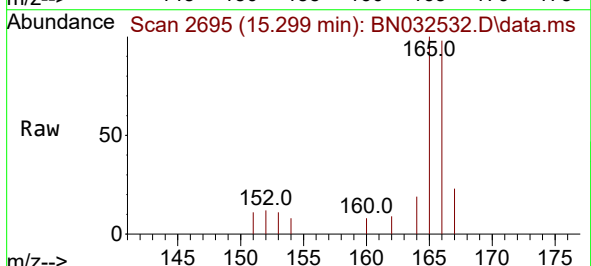
Tgt Ion:166 Resp: 1667

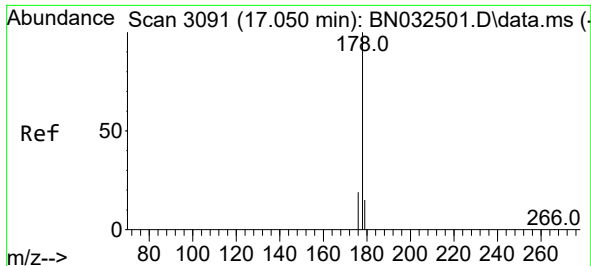
Ion Ratio Lower Upper

166 100

165 102.3 79.0 118.6

167 23.3 11.0 16.6#

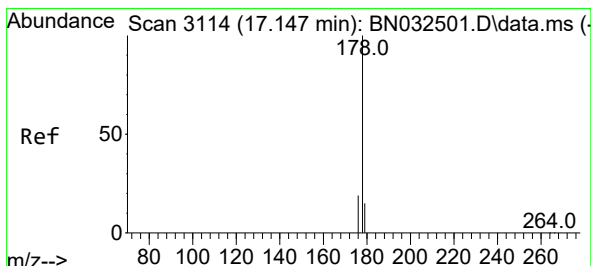
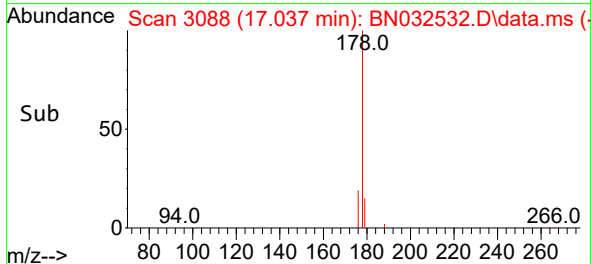
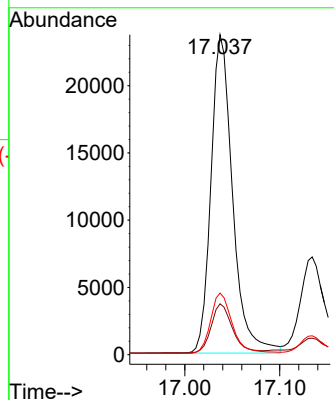
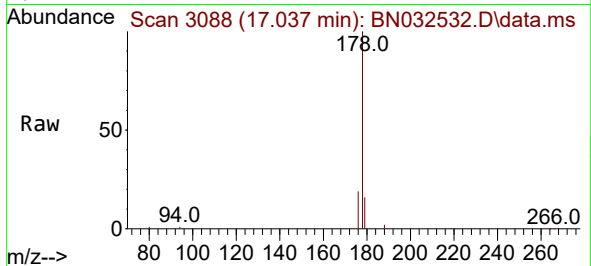




#15  
Phenanthrene  
Concen: 0.812 ng/ul  
RT: 17.037 min Scan# 3091  
Delta R.T. -0.013 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

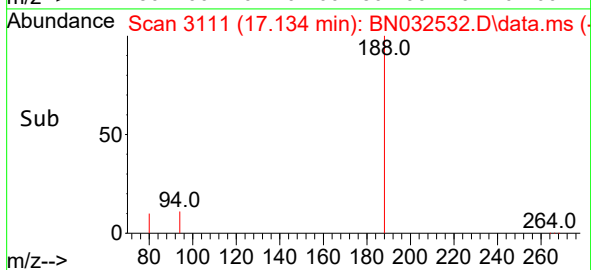
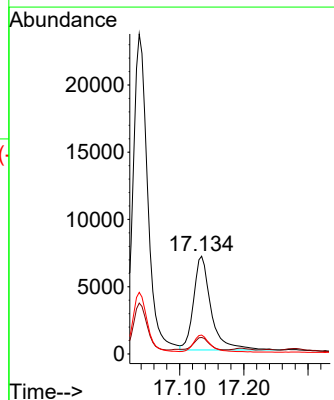
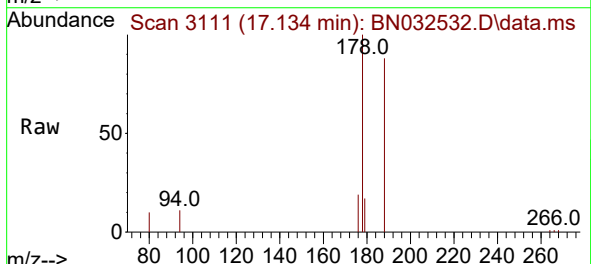
Instrument :  
BNA\_N  
ClientSampleId :  
A4CR8DL

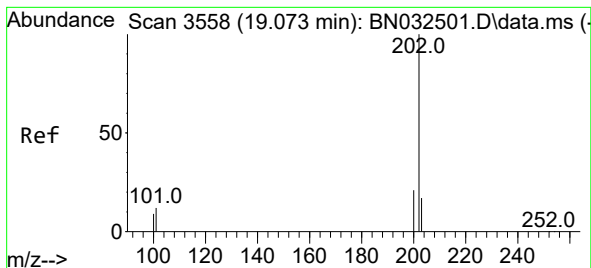
Tgt Ion:178 Resp: 37581  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.6 18.8  
176 19.3 15.6 23.4



#16  
Anthracene  
Concen: 0.320 ng/ul  
RT: 17.134 min Scan# 3111  
Delta R.T. -0.008 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

Tgt Ion:178 Resp: 13232  
Ion Ratio Lower Upper  
178 100  
179 16.9 12.5 18.7  
176 19.4 15.0 22.6





#19

Fluoranthene

Concen: 1.359 ng/ul

RT: 19.064 min Scan# 3558

Delta R.T. -0.009 min

Lab File: BN032532.D

Acq: 06 Jul 2024 06:23

Instrument :

BNA\_N

ClientSampleId :

A4CR8DL

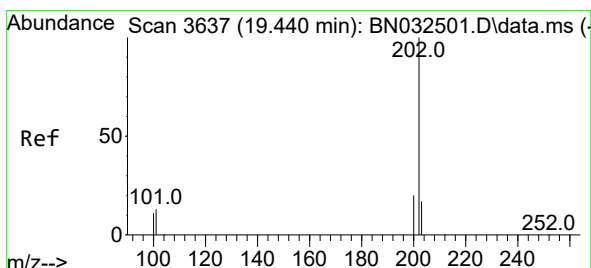
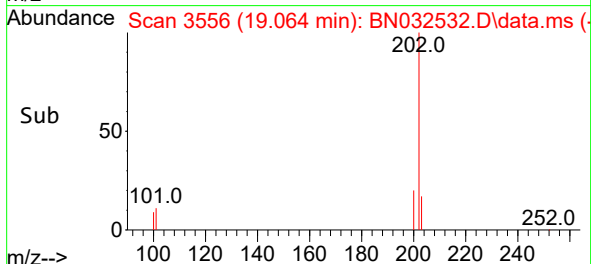
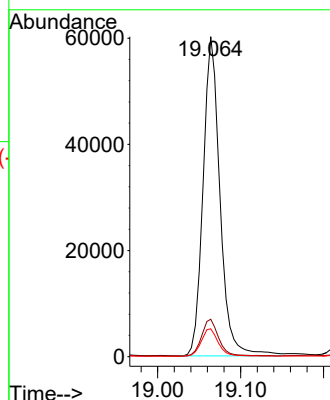
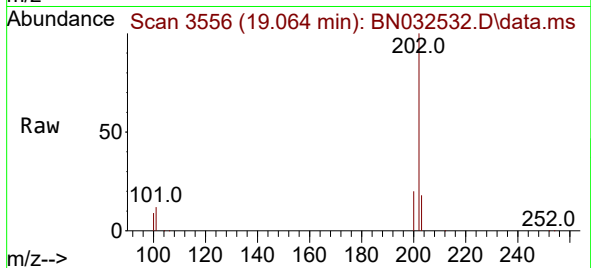
Tgt Ion:202 Resp: 85514

Ion Ratio Lower Upper

202 100

101 11.7 8.8 13.2

100 8.7 6.4 9.6



#20

Pyrene

Concen: 1.096 ng/ul

RT: 19.431 min Scan# 3635

Delta R.T. -0.009 min

Lab File: BN032532.D

Acq: 06 Jul 2024 06:23

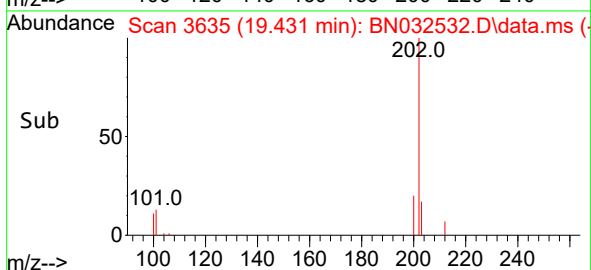
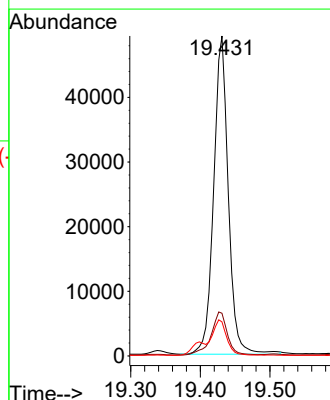
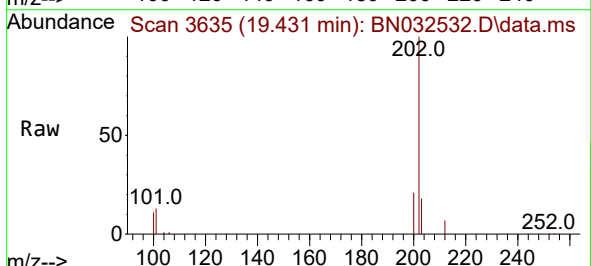
Tgt Ion:202 Resp: 72085

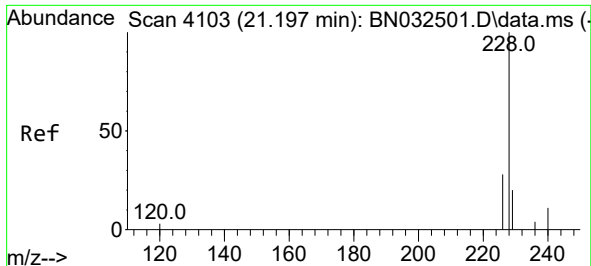
Ion Ratio Lower Upper

202 100

101 13.3 11.0 16.4

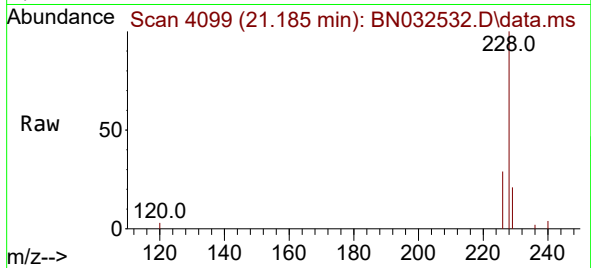
100 10.6 8.7 13.1



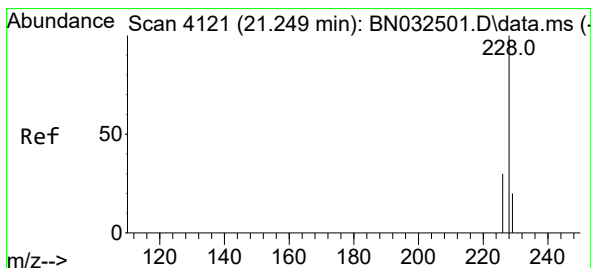
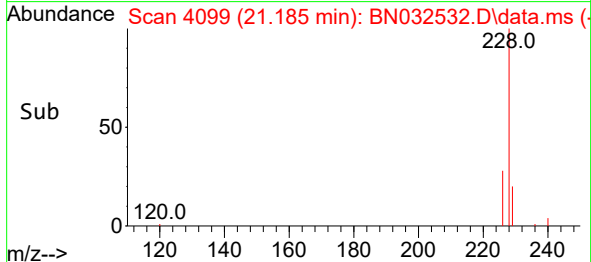
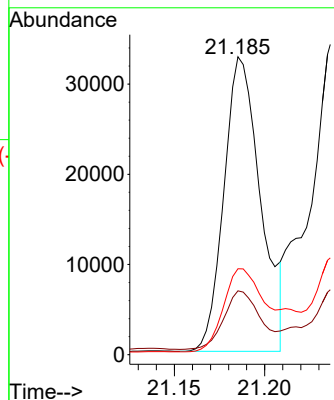


#21  
Benzo(a)anthracene  
Concen: 0.773 ng/ul  
RT: 21.185 min Scan# 4109  
Delta R.T. -0.006 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

Instrument :  
BNA\_N  
ClientSampleId :  
A4CR8DL

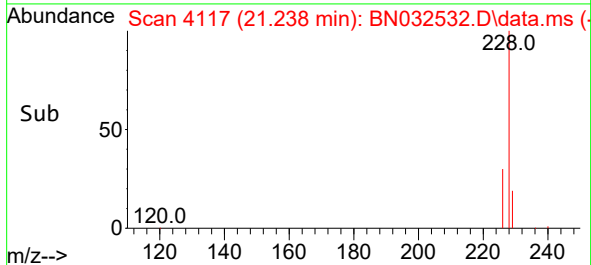
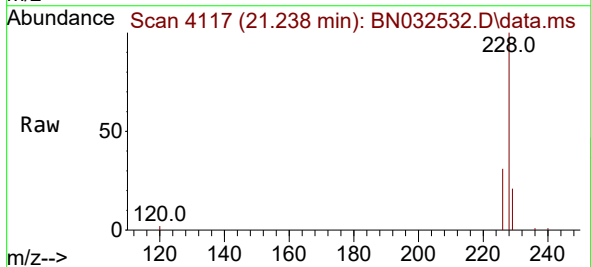
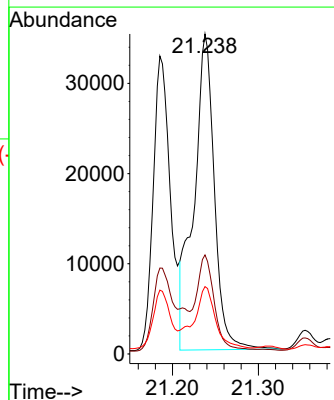


Tgt Ion:228 Resp: 46130  
Ion Ratio Lower Upper  
228 100  
229 21.4 15.7 23.5  
226 28.8 21.8 32.8

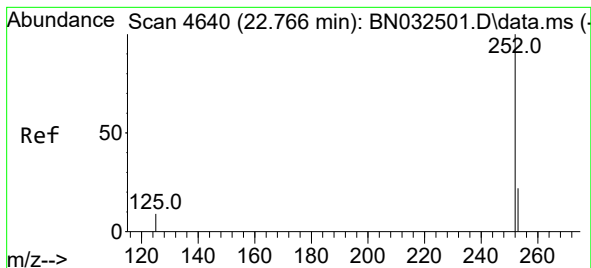


#22  
Chrysene  
Concen: 0.889 ng/ul  
RT: 21.238 min Scan# 4117  
Delta R.T. -0.006 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

Tgt Ion:228 Resp: 58197  
Ion Ratio Lower Upper  
228 100  
226 31.0 23.6 35.4  
229 21.0 15.7 23.5







#24

Benzo(b)fluoranthene

Concen: 1.324 ng/ul

RT: 22.751 min Scan# 4

Delta R.T. -0.006 min

Lab File: BN032532.D

Acq: 06 Jul 2024 06:23

Instrument :

BNA\_N

ClientSampleId :

A4CR8DL

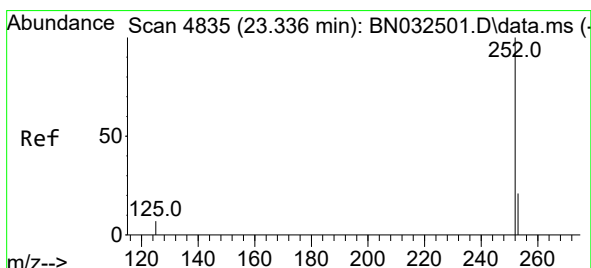
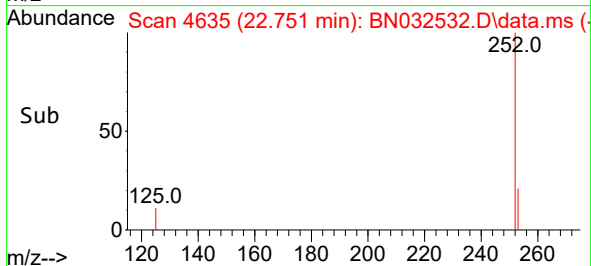
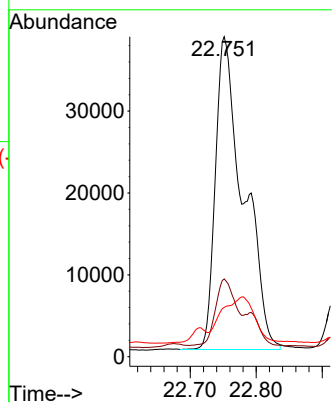
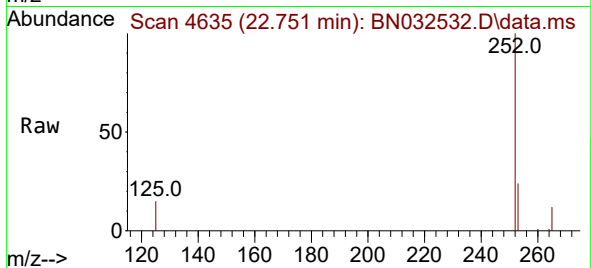
Tgt Ion:252 Resp: 112610

Ion Ratio Lower Upper

252 100

253 24.3 0.0 50.2

125 15.4 0.0 32.0



#26

Benzo(a)pyrene

Concen: 0.509 ng/ul

RT: 23.319 min Scan# 4829

Delta R.T. -0.009 min

Lab File: BN032532.D

Acq: 06 Jul 2024 06:23

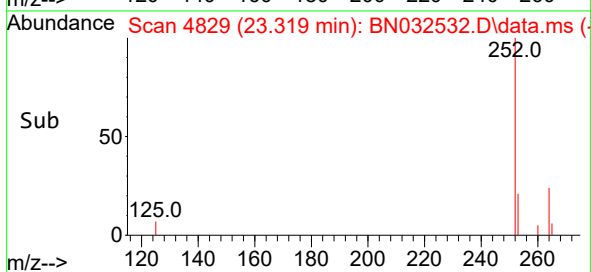
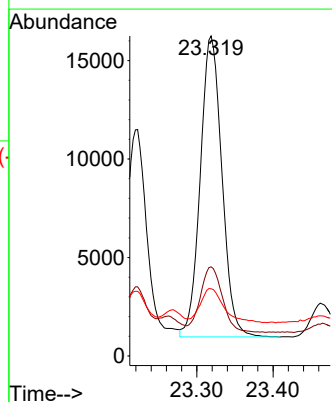
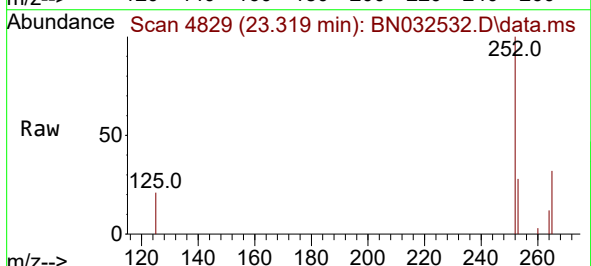
Tgt Ion:252 Resp: 30143

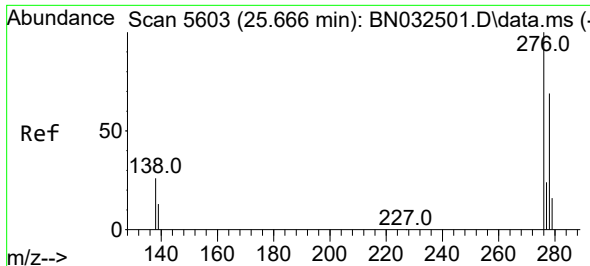
Ion Ratio Lower Upper

252 100

253 27.8 22.2 33.2

125 21.0 16.4 24.6

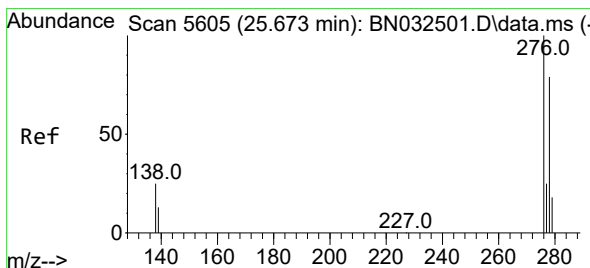
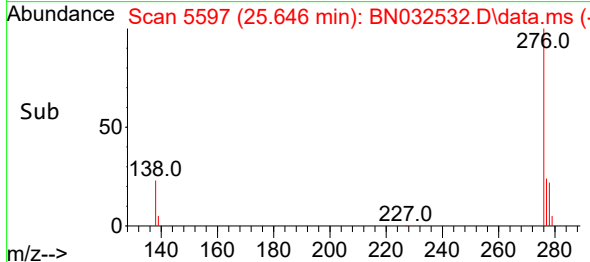
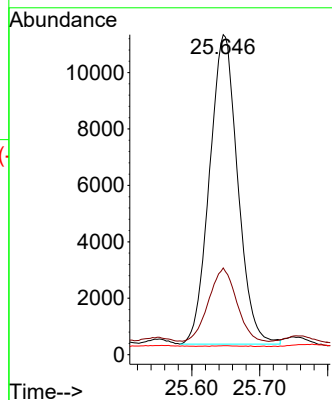
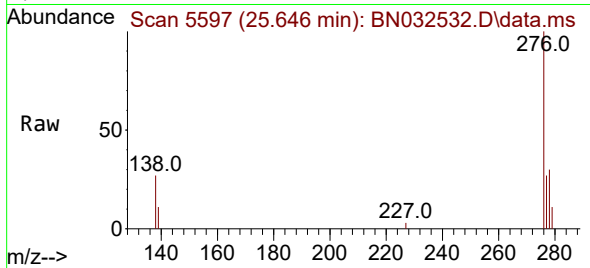




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.341 ng/ul  
 RT: 25.646 min Scan# 5597  
 Delta R.T. -0.013 min  
 Lab File: BN032532.D  
 Acq: 06 Jul 2024 06:23

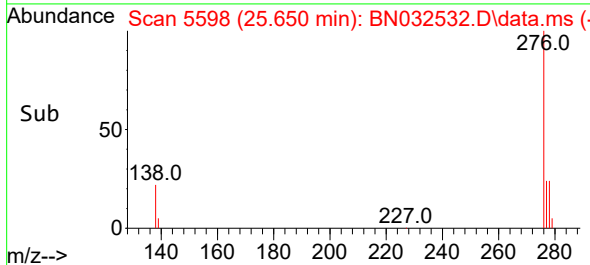
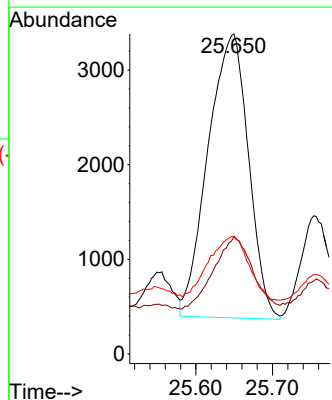
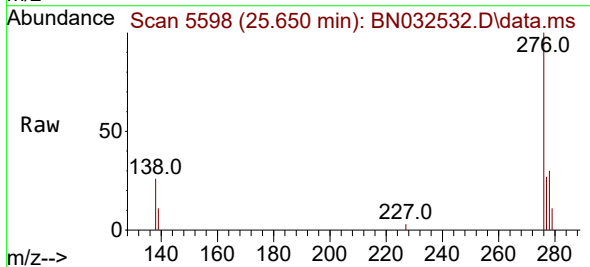
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CR8DL

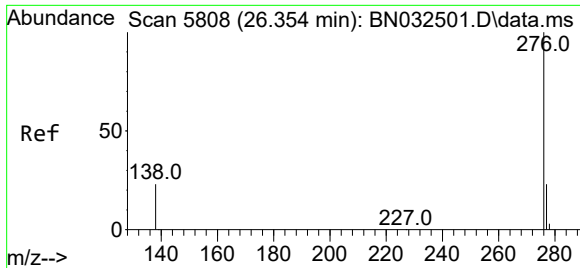
Tgt Ion:276 Resp: 31611  
 Ion Ratio Lower Upper  
 276 100  
 138 23.9 21.3 31.9  
 227 0.1 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.160 ng/ul  
 RT: 25.650 min Scan# 5598  
 Delta R.T. -0.017 min  
 Lab File: BN032532.D  
 Acq: 06 Jul 2024 06:23

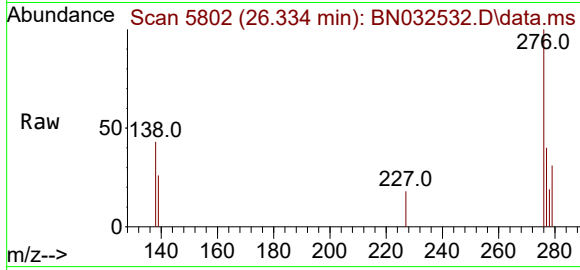
Tgt Ion:278 Resp: 11005  
 Ion Ratio Lower Upper  
 278 100  
 139 36.6 15.9 23.9#  
 279 36.8 21.1 31.7#





#29  
Benzo(g,h,i)perylene  
Concen: 0.063 ng/ul  
RT: 26.334 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BN032532.D  
Acq: 06 Jul 2024 06:23

Instrument :  
BNA\_N  
ClientSampleId :  
A4CR8DL



Tgt Ion:276 Resp: 4641  
Ion Ratio Lower Upper  
276 100  
138 43.5 19.8 29.6#  
277 40.1 19.8 29.6#

