

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081523\  
 Data File : BN026913.D  
 Acq On : 15 Aug 2023 23:07  
 Operator : MA/JU  
 Sample : 03965-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K1

Quant Time: Aug 16 00:55:39 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 16 00:50:05 2023  
 Response via : Initial Calibration

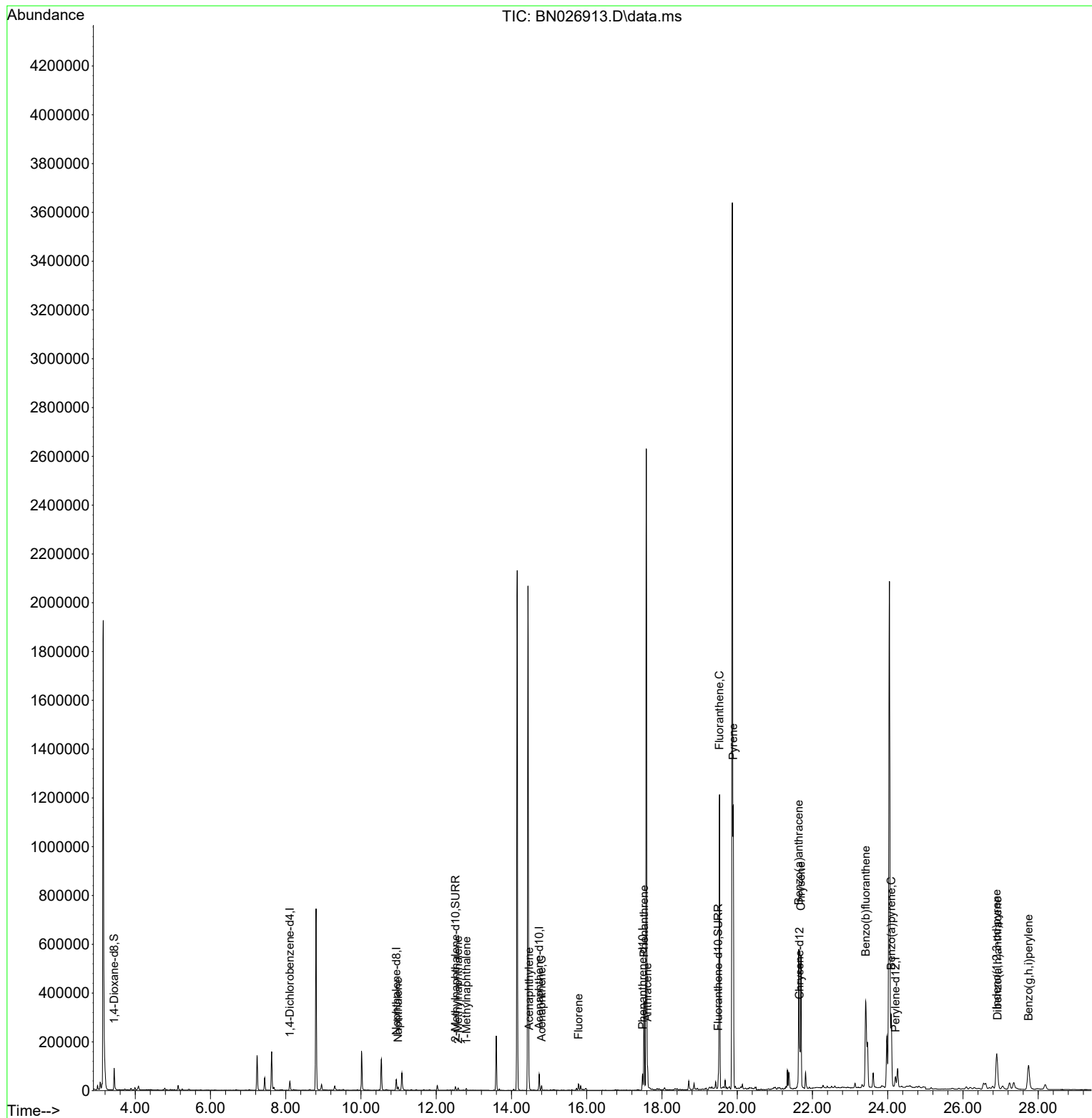
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.110  | 152  | 18183    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.938 | 136  | 60744    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.735 | 164  | 35484    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.485 | 188  | 78907    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.656 | 240  | 65811    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.205 | 264  | 62084    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.439  | 96   | 62306    | 2.886 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.511 | 152  | 19018    | 0.213 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.497 | 212  | 49142    | 0.236 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.988 | 128  | 17488    | 0.102 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.583 | 142  | 6562     | 0.063 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.803 | 142  | 5030     | 0.046 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.467 | 152  | 37467    | 0.188 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.800 | 153  | 10563    | 0.077 | ng/ul  | 99       |
| 12) Fluorene                | 15.781 | 166  | 16172    | 0.104 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.523 | 178  | 383623   | 1.480 | ng/ul  | 100      |
| 16) Anthracene              | 17.616 | 178  | 83461    | 0.356 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.529 | 202  | 1029204  | 3.765 | ng/ul  | 100      |
| 20) Pyrene                  | 19.896 | 202  | 952218   | 3.265 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.638 | 228  | 507489   | 1.939 | ng/ul  | 99       |
| 22) Chrysene                | 21.694 | 228  | 547759   | 2.120 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.413 | 252  | 922721   | 3.929 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 24.094 | 252  | 443017   | 2.091 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.898 | 276  | 281968   | 1.017 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.918 | 278  | 65381    | 0.296 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 27.743 | 276  | 251730   | 1.091 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

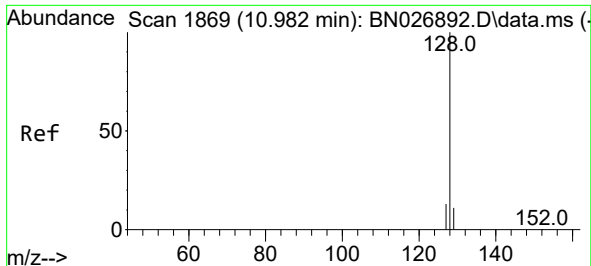
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081523\  
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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
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Quant Time: Aug 16 00:55:39 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 16 00:50:05 2023  
Response via : Initial Calibration

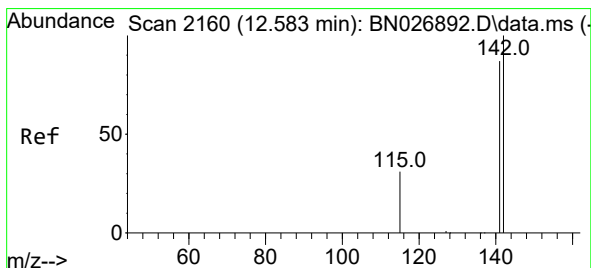
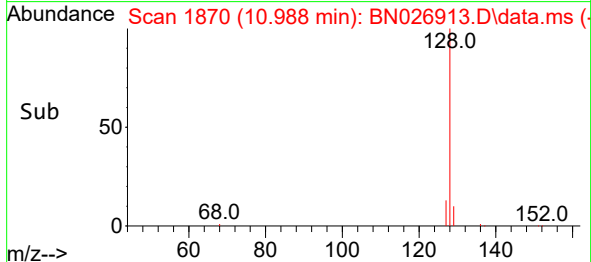
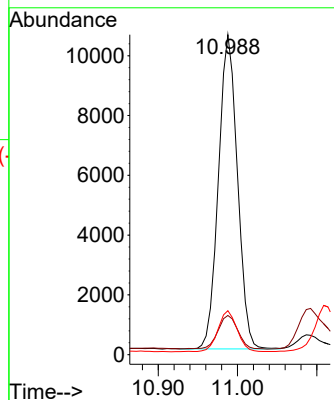
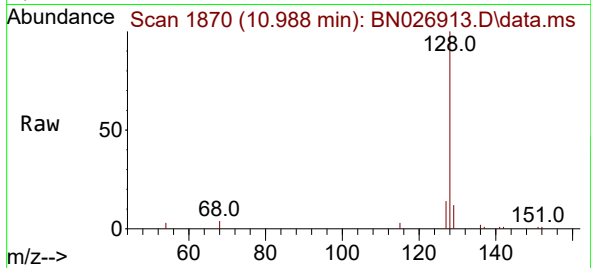




#5  
Naphthalene  
Concen: 0.102 ng/ul  
RT: 10.988 min Scan# 1869  
Delta R.T. 0.006 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

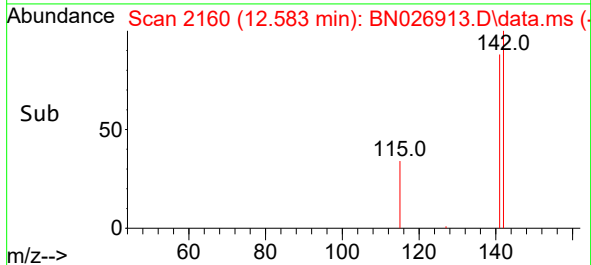
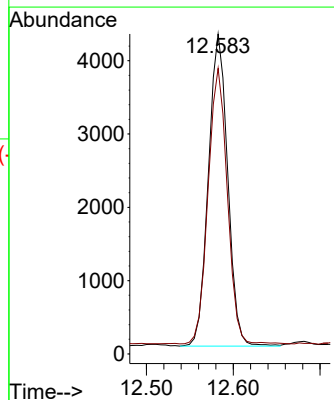
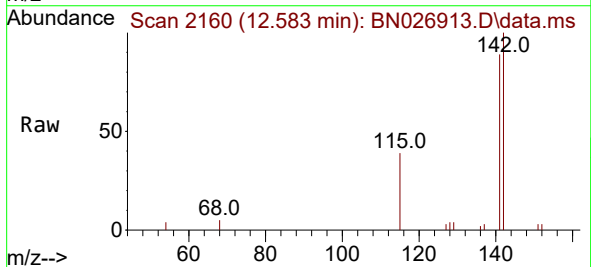
Instrument :  
BNA\_N  
ClientSampleId :  
A48K1

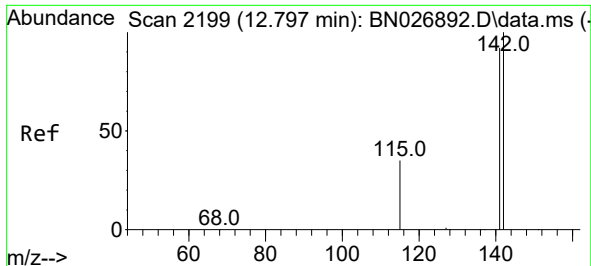
Tgt Ion:128 Resp: 17488  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.2 13.8  
127 13.7 10.5 15.7



#7  
2-Methylnaphthalene  
Concen: 0.063 ng/ul  
RT: 12.583 min Scan# 2160  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:142 Resp: 6562  
Ion Ratio Lower Upper  
142 100  
141 87.9 70.9 106.3

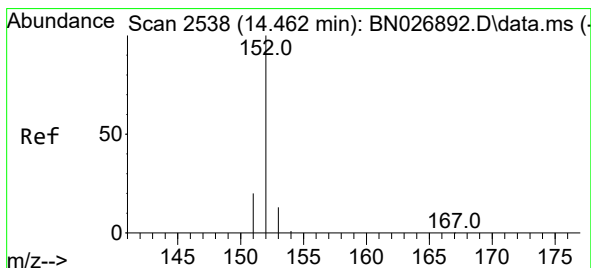
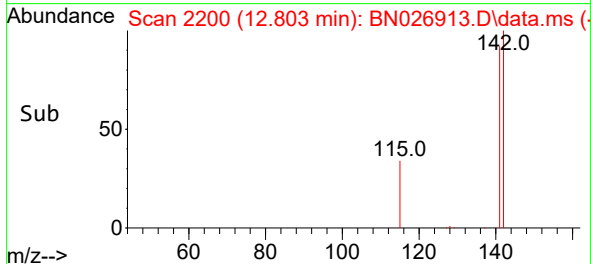
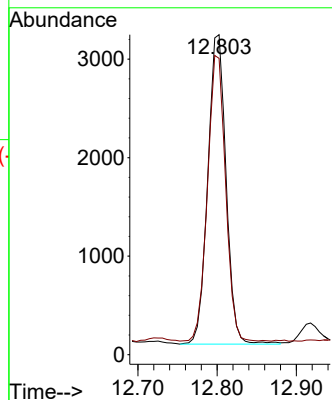
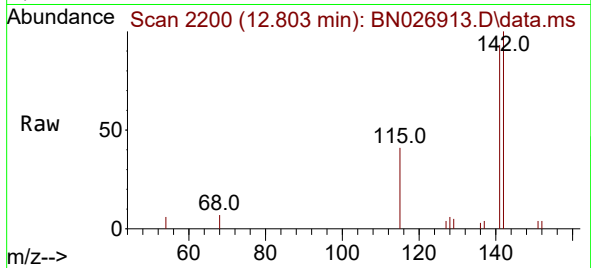




#8  
1-Methylnaphthalene  
Concen: 0.046 ng/ul  
RT: 12.803 min Scan# 2199  
Delta R.T. 0.006 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

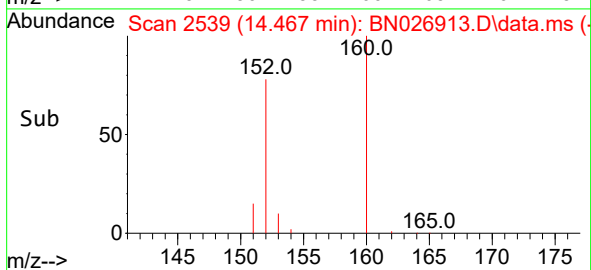
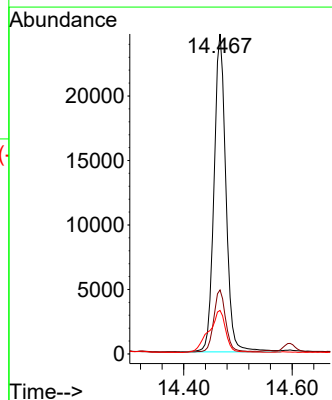
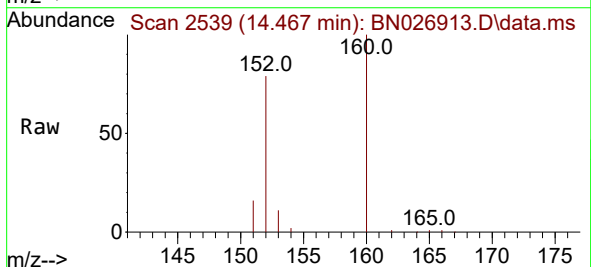
Instrument :  
BNA\_N  
ClientSampleId :  
A48K1

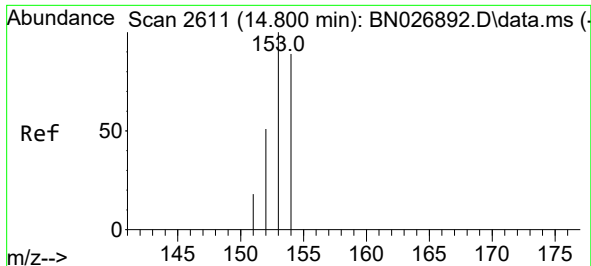
Tgt Ion:142 Resp: 5030  
Ion Ratio Lower Upper  
142 100  
141 91.1 73.2 109.8



#10  
Acenaphthylene  
Concen: 0.188 ng/ul  
RT: 14.467 min Scan# 2539  
Delta R.T. 0.005 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:152 Resp: 37467  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.9 23.9  
153 13.6 11.0 16.6

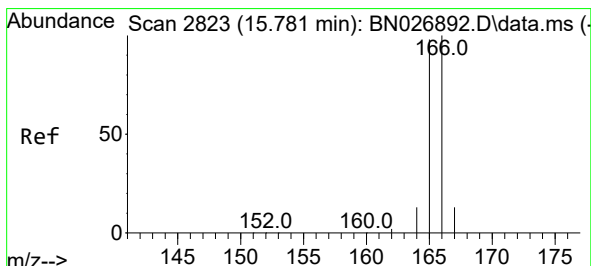
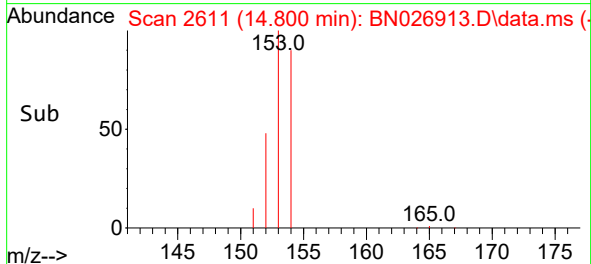
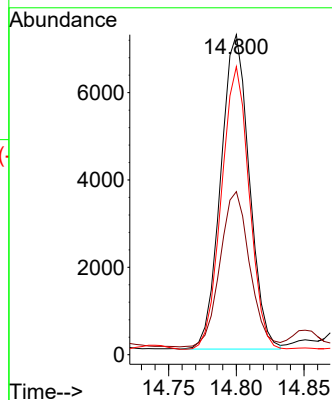
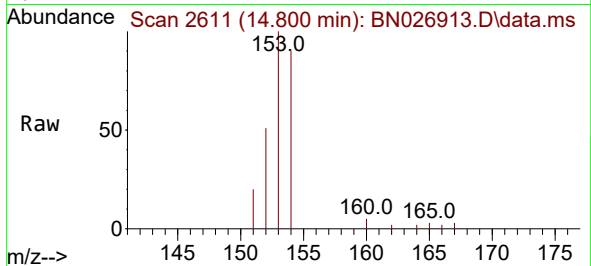




#11  
Acenaphthene  
Concen: 0.077 ng/ul  
RT: 14.800 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

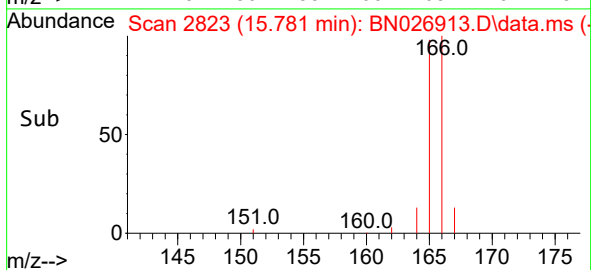
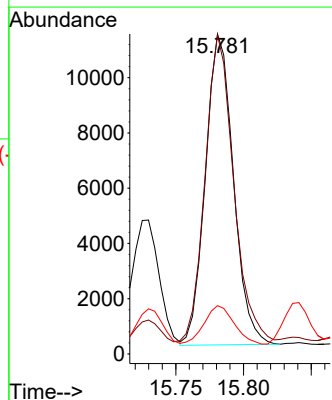
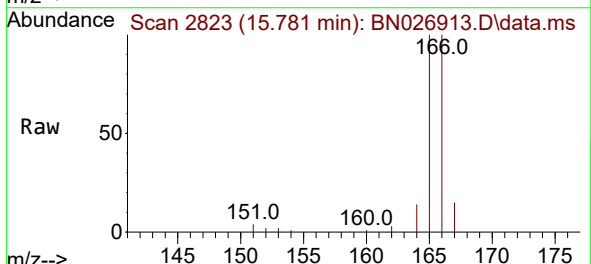
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ClientSampleId :  
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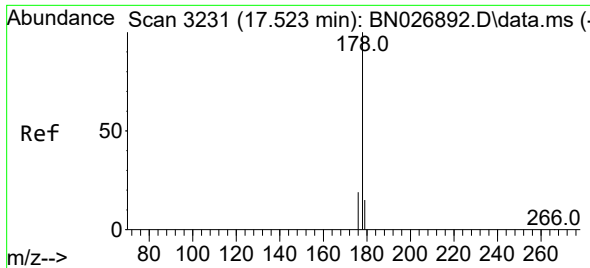
Tgt Ion:153 Resp: 10563  
Ion Ratio Lower Upper  
153 100  
152 51.0 41.1 61.7  
154 90.0 71.6 107.4



#12  
Fluorene  
Concen: 0.104 ng/ul  
RT: 15.781 min Scan# 2823  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:166 Resp: 16172  
Ion Ratio Lower Upper  
166 100  
165 99.7 79.1 118.7  
167 15.1 11.4 17.0

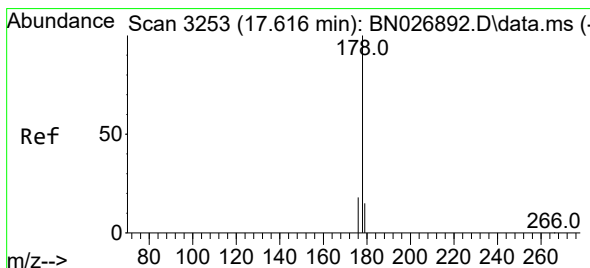
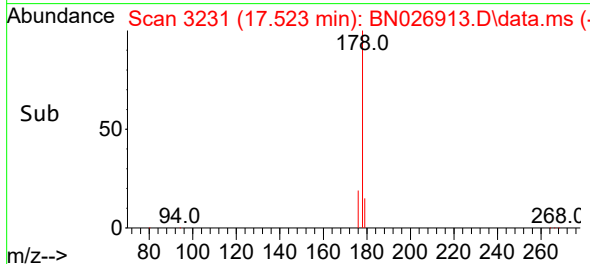
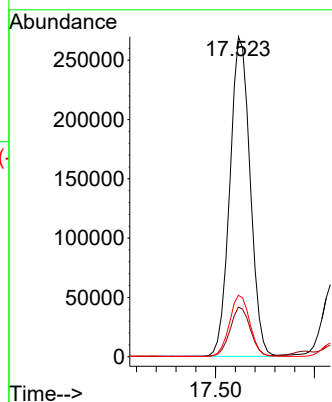
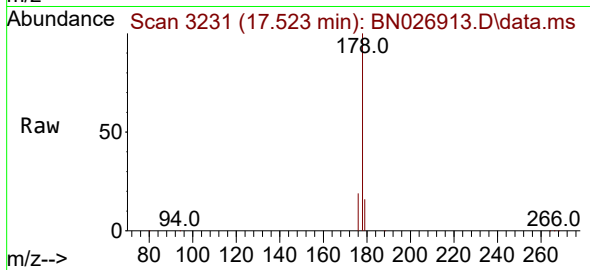




#15  
Phenanthrene  
Concen: 1.480 ng/ul  
RT: 17.523 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

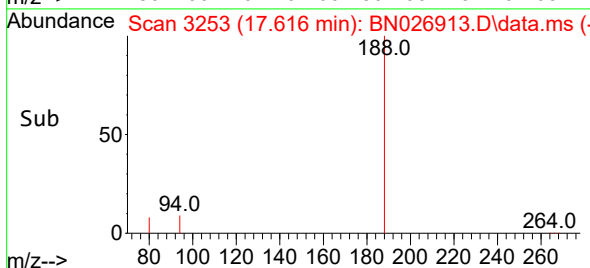
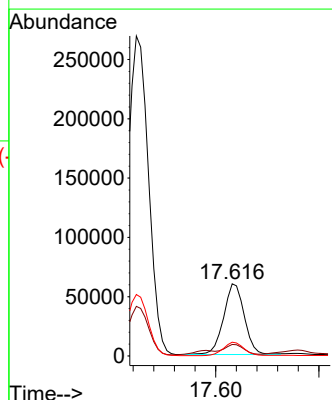
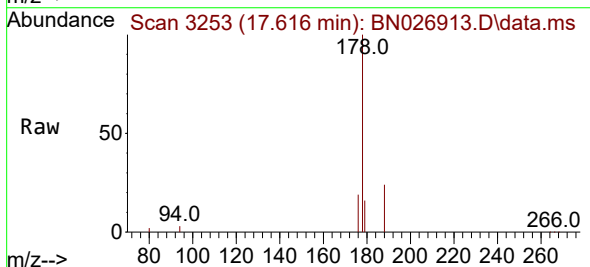
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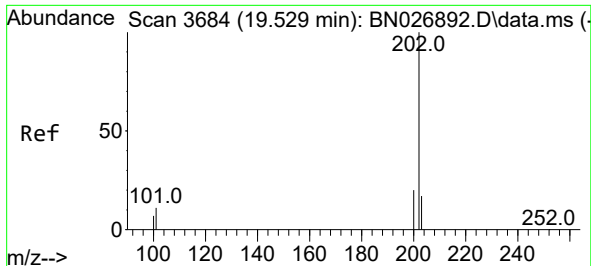
Tgt Ion:178 Resp: 383623  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.6 18.8  
176 19.2 15.4 23.2



#16  
Anthracene  
Concen: 0.356 ng/ul  
RT: 17.616 min Scan# 3253  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:178 Resp: 83461  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.6 19.0  
176 19.1 15.0 22.6

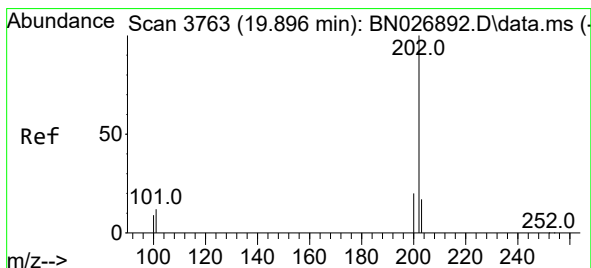
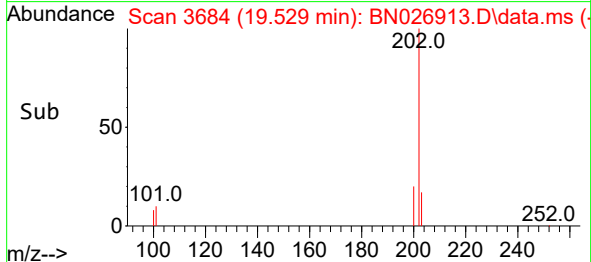
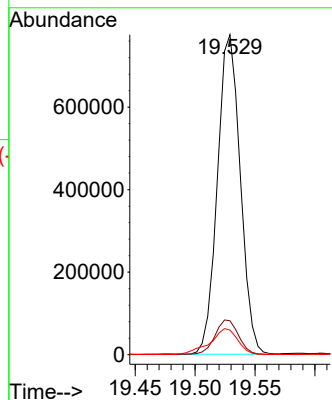
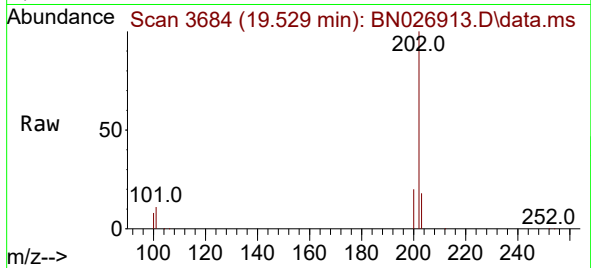




#19  
Fluoranthene  
Concen: 3.765 ng/ul  
RT: 19.529 min Scan# 3684  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

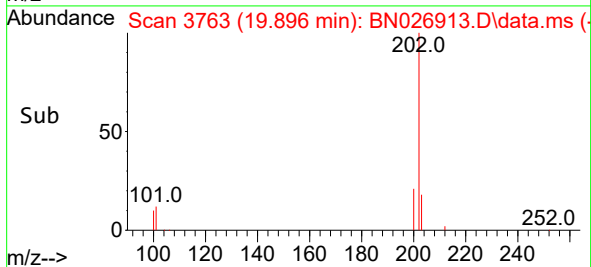
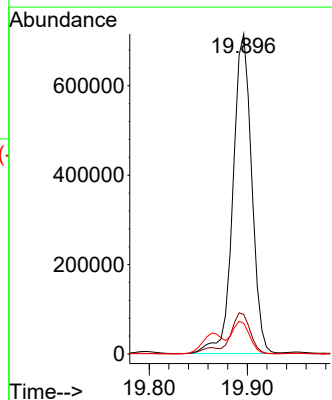
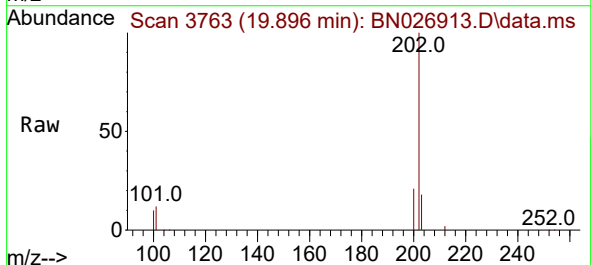
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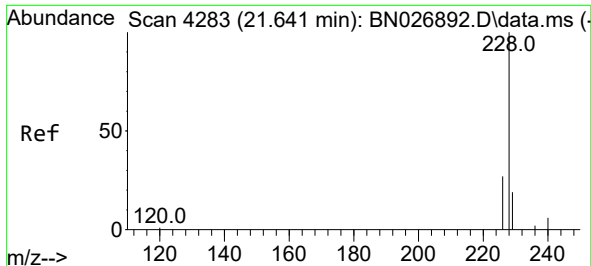
Tgt Ion:202 Resp: 1029204  
Ion Ratio Lower Upper  
202 100  
101 10.6 8.3 12.5  
100 7.7 6.2 9.2



#20  
Pyrene  
Concen: 3.265 ng/ul  
RT: 19.896 min Scan# 3763  
Delta R.T. 0.000 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:202 Resp: 952218  
Ion Ratio Lower Upper  
202 100  
101 12.3 10.7 16.1  
100 9.6 8.5 12.7

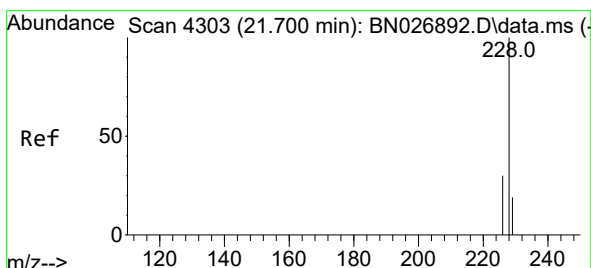
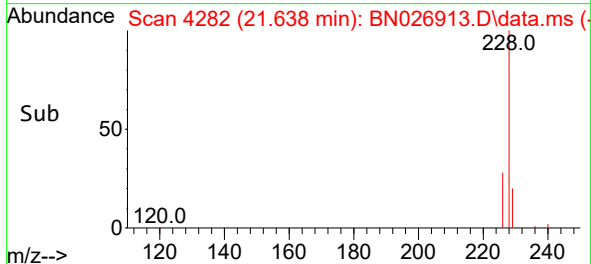
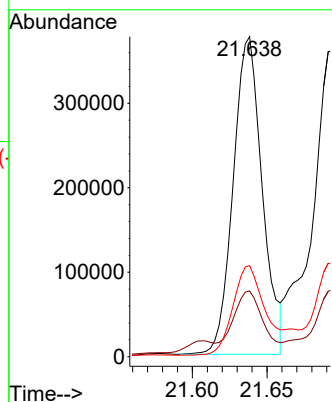
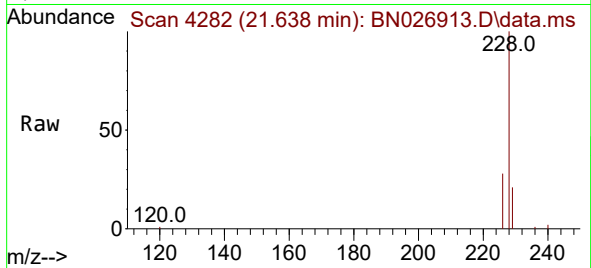




#21  
Benzo(a)anthracene  
Concen: 1.939 ng/ul  
RT: 21.638 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

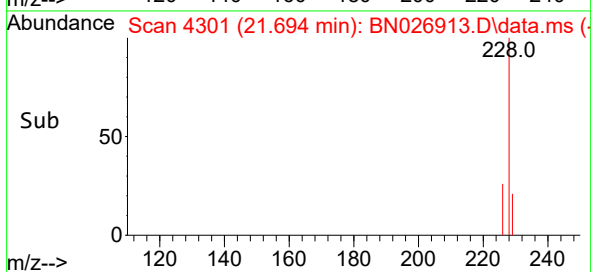
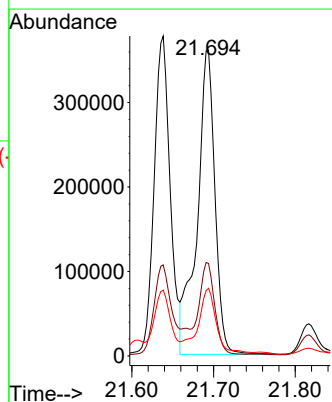
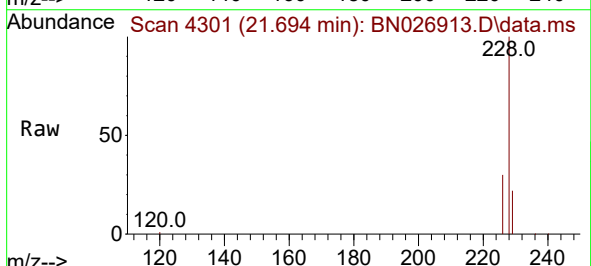
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:228 Resp: 507489  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.0 24.0  
226 28.4 22.2 33.2

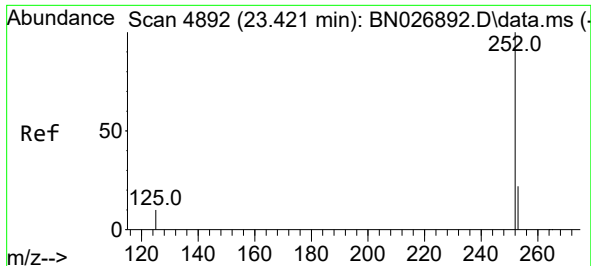


#22  
Chrysene  
Concen: 2.120 ng/ul  
RT: 21.694 min Scan# 4301  
Delta R.T. -0.006 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:228 Resp: 547759  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.6 36.8  
229 22.1 15.8 23.6

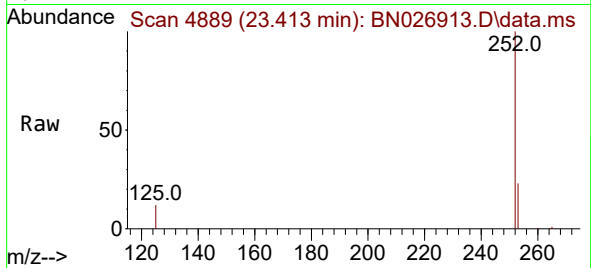




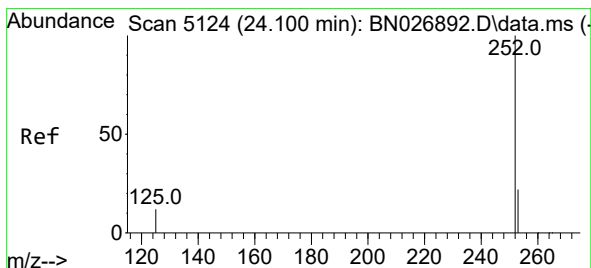
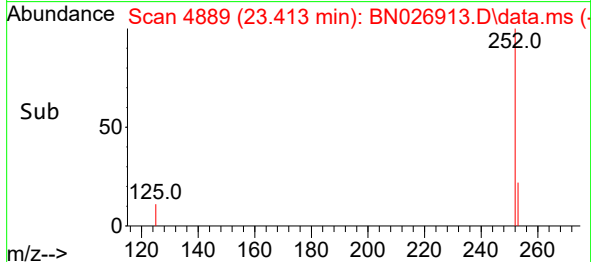
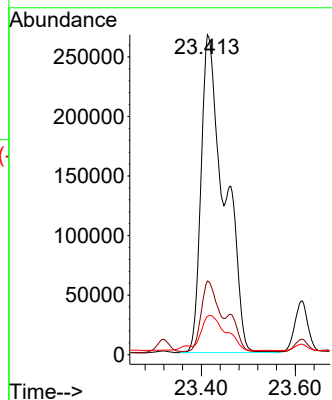


#24  
Benzo(b)fluoranthene  
Concen: 3.929 ng/ul  
RT: 23.413 min Scan# 4889  
Delta R.T. -0.009 min  
Lab File: BN026913.D  
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Instrument :  
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ClientSampleId :  
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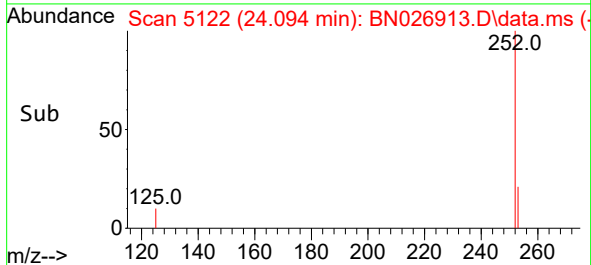
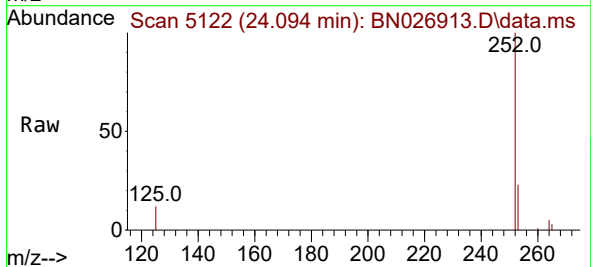
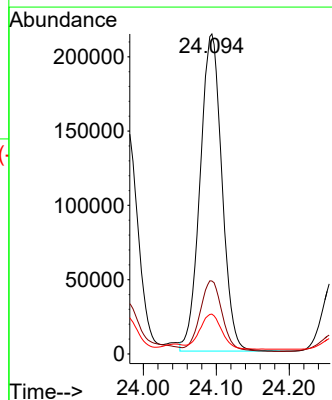


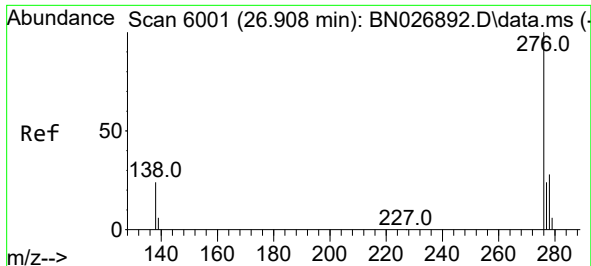
Tgt Ion:252 Resp: 922721  
Ion Ratio Lower Upper  
252 100  
253 23.0 0.0 46.8  
125 12.0 0.0 25.2



#26  
Benzo(a)pyrene  
Concen: 2.091 ng/ul  
RT: 24.094 min Scan# 5122  
Delta R.T. -0.006 min  
Lab File: BN026913.D  
Acq: 15 Aug 2023 23:07

Tgt Ion:252 Resp: 443017  
Ion Ratio Lower Upper  
252 100  
253 22.8 19.0 28.6  
125 12.5 11.4 17.0

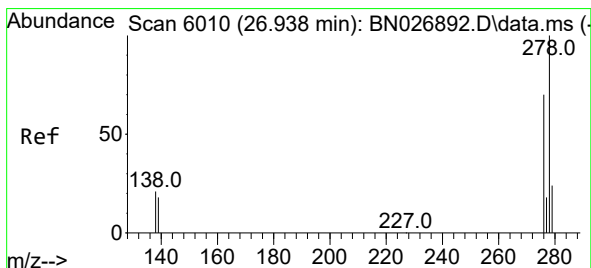
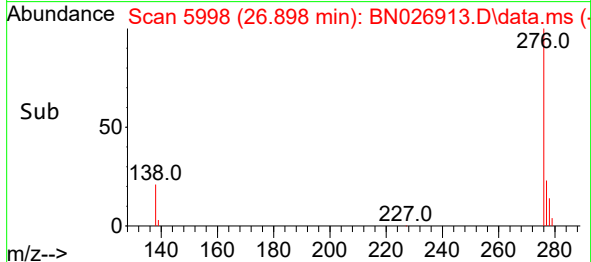
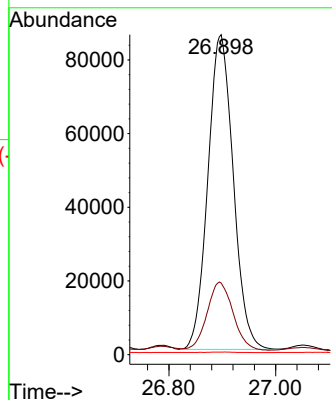
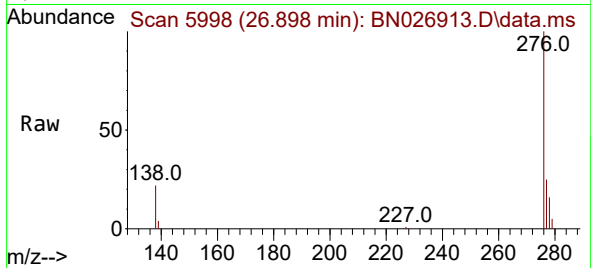




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.017 ng/ul  
 RT: 26.898 min Scan# 5998  
 Delta R.T. -0.010 min  
 Lab File: BN026913.D  
 Acq: 15 Aug 2023 23:07

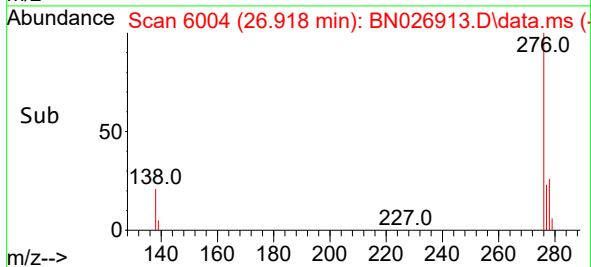
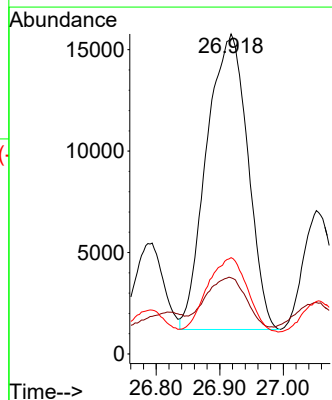
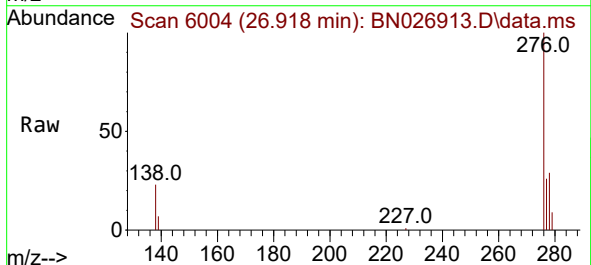
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K1

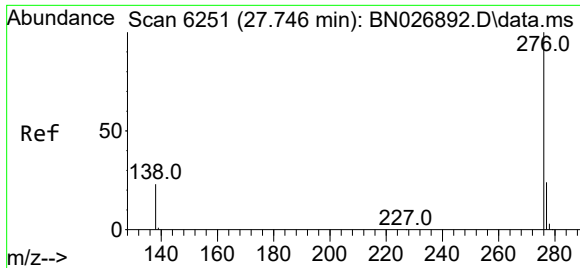
Tgt Ion:276 Resp: 281968  
 Ion Ratio Lower Upper  
 276 100  
 138 22.1 21.6 32.4  
 227 0.2 0.0 0.0#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.296 ng/ul  
 RT: 26.918 min Scan# 6004  
 Delta R.T. -0.020 min  
 Lab File: BN026913.D  
 Acq: 15 Aug 2023 23:07

Tgt Ion:278 Resp: 65381  
 Ion Ratio Lower Upper  
 278 100  
 139 23.8 15.7 23.5#  
 279 30.1 20.2 30.4





#29

Benzo(g,h,i)perylene

Concen: 1.091 ng/ul

RT: 27.743 min Scan# 61

Delta R.T. -0.003 min

Lab File: BN026913.D

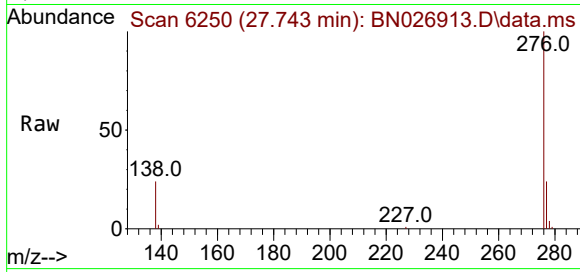
Acq: 15 Aug 2023 23:07

Instrument :

BNA\_N

ClientSampleId :

A48K1



Tgt Ion:276 Resp: 251730

Ion Ratio Lower Upper

276 100

138 23.6 19.3 28.9

277 24.3 19.8 29.8

