

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092623\  
 Data File : BN027871.D  
 Acq On : 26 Sep 2023 20:57  
 Operator : MA/JU  
 Sample : PB155615BS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS614

Quant Time: Sep 27 03:01:42 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

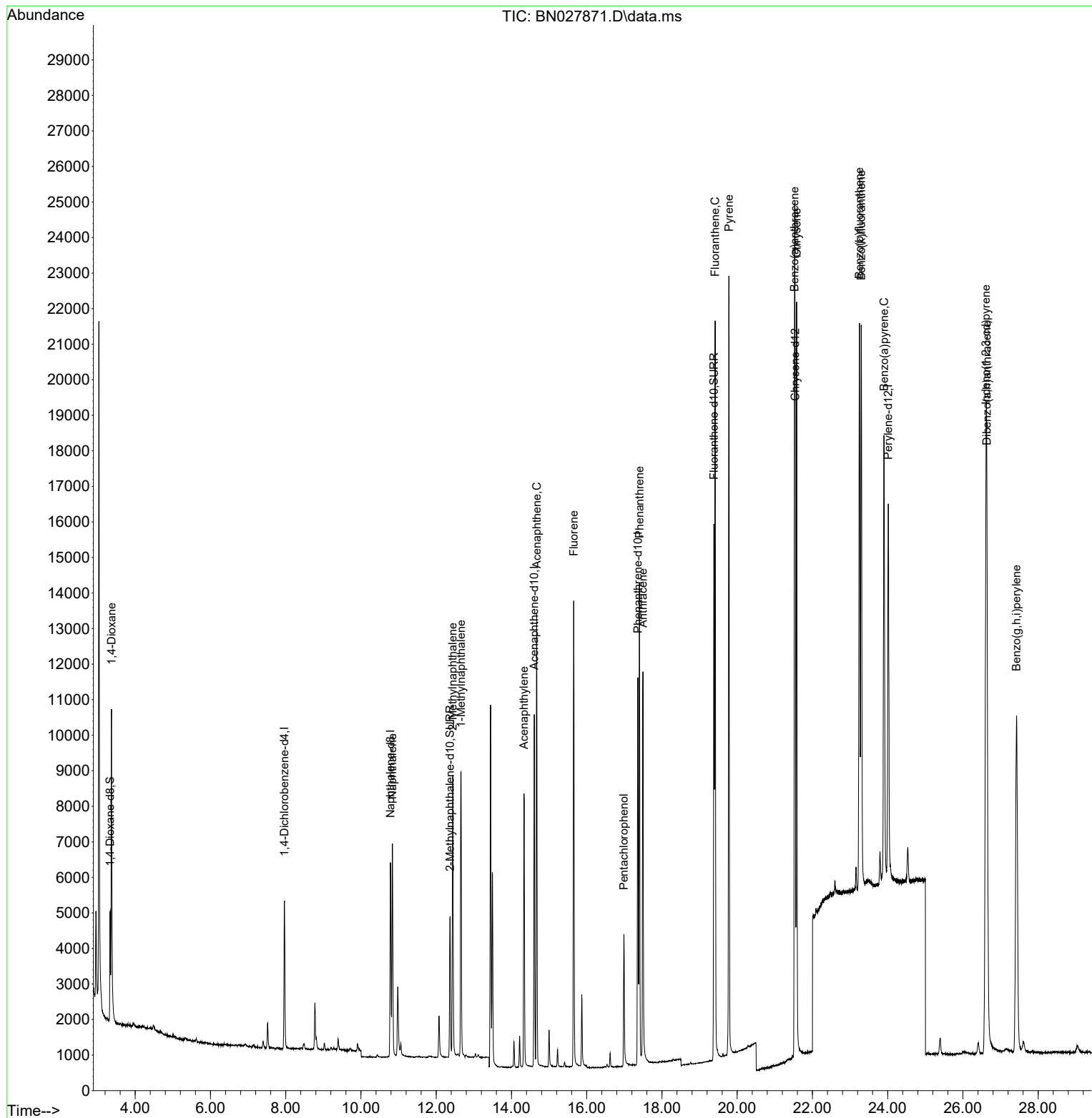
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.966  | 152  | 2224     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.784 | 136  | 7803     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.606 | 164  | 5356     | 0.400 | ng/ul  | 0.01     |
| 13) Phenanthrene-d10        | 17.358 | 188  | 13008    | 0.400 | ng/ul  | 0.02     |
| 17) Chrysene-d12            | 21.542 | 240  | 13388    | 0.400 | ng/ul  | 0.02     |
| 23) Perylene-d12            | 24.015 | 264  | 15286    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.334  | 96   | 2209     | 0.789 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.368 | 152  | 5411     | 0.458 | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.380 | 212  | 15905    | 0.389 | ng/ul  | 0.02     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.368  | 88   | 6665     | 2.286 | ng/ul# | 86       |
| 5) Naphthalene              | 10.834 | 128  | 8531     | 0.383 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.440 | 142  | 5797     | 0.410 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.660 | 142  | 5719     | 0.392 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.333 | 152  | 9089     | 0.388 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.670 | 153  | 7221     | 0.357 | ng/ul  | 98       |
| 12) Fluorene                | 15.656 | 166  | 8625     | 0.363 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.987 | 266  | 2702     | 0.888 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.401 | 178  | 14831    | 0.363 | ng/ul  | 99       |
| 16) Anthracene              | 17.494 | 178  | 12887    | 0.377 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.413 | 202  | 18033    | 0.333 | ng/ul  | 99       |
| 20) Pyrene                  | 19.780 | 202  | 18954    | 0.340 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.524 | 228  | 19832    | 0.383 | ng/ul  | 100      |
| 22) Chrysene                | 21.580 | 228  | 19859    | 0.371 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.249 | 252  | 21889    | 0.321 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.296 | 252  | 22466    | 0.340 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.901 | 252  | 21049    | 0.384 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.613 | 276  | 27234    | 0.388 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.636 | 278  | 22281    | 0.394 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.425 | 276  | 22729    | 0.381 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

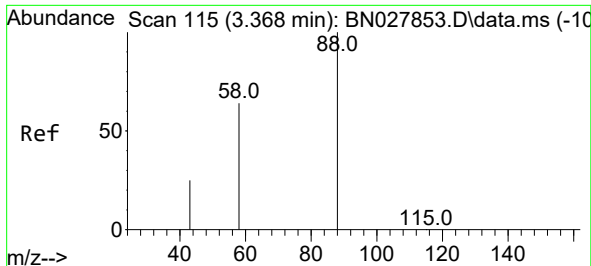
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092623\  
Data File : BN027871.D  
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Sample : PB155615BS  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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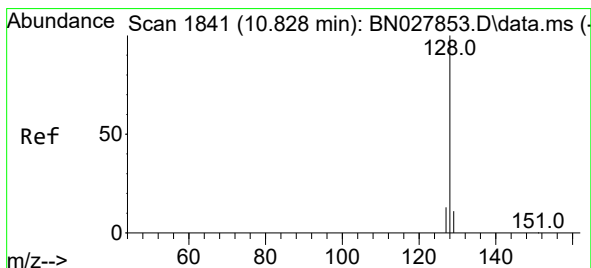
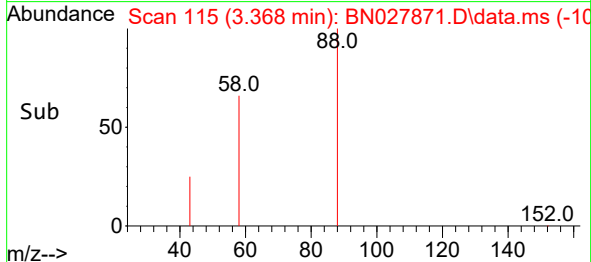
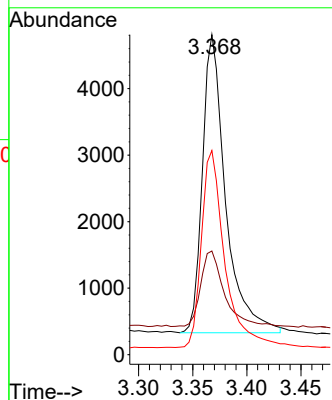
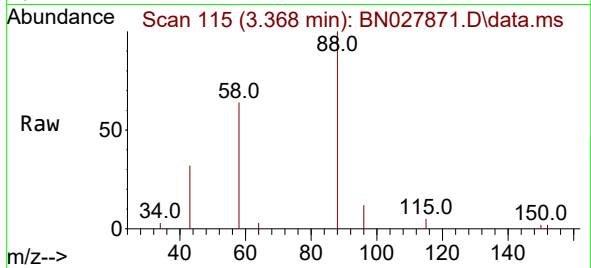




#2  
1,4-Dioxane  
Concen: 2.286 ng/ul  
RT: 3.368 min Scan# 115  
Delta R.T. -0.005 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

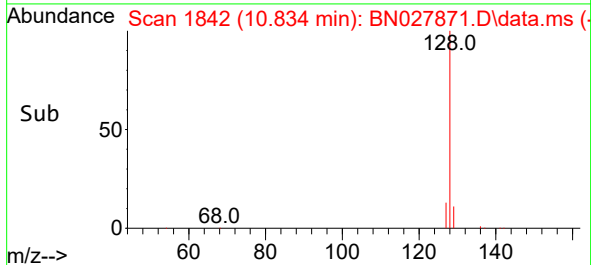
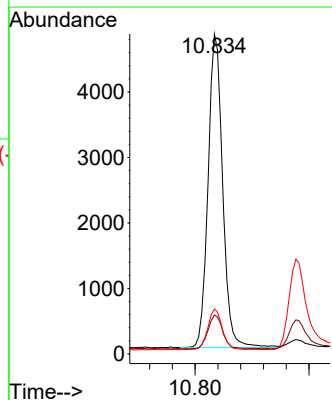
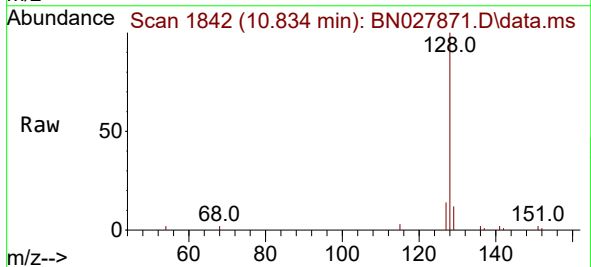
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS614

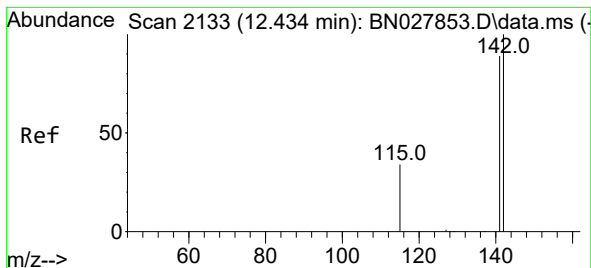
Tgt Ion: 88 Resp: 6665  
Ion Ratio Lower Upper  
88 100  
43 32.4 39.6 59.4#  
58 63.8 48.3 72.5



#5  
Naphthalene  
Concen: 0.383 ng/ul  
RT: 10.834 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

Tgt Ion:128 Resp: 8531  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.3 13.9  
127 14.1 10.7 16.1

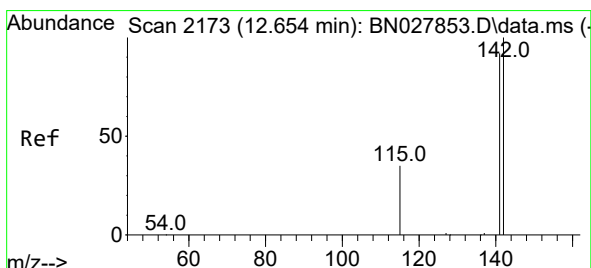
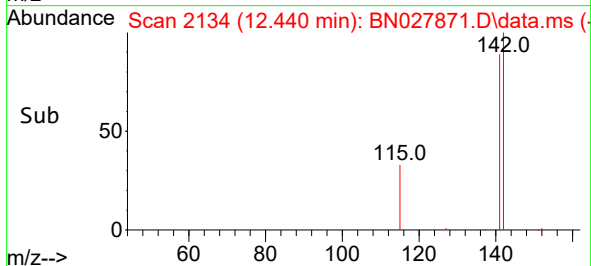
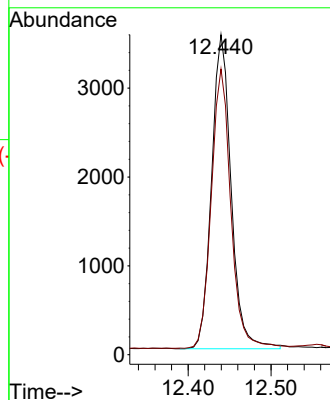
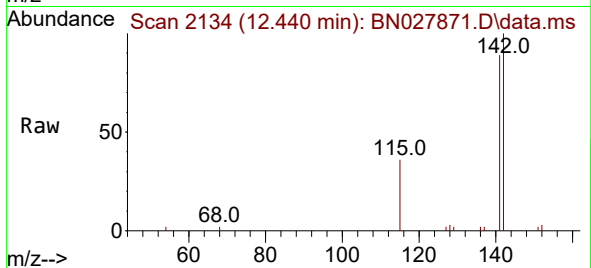




#7  
2-Methylnaphthalene  
Concen: 0.410 ng/ul  
RT: 12.440 min Scan# 2134  
Delta R.T. 0.012 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

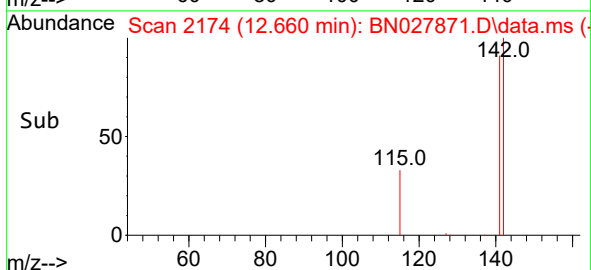
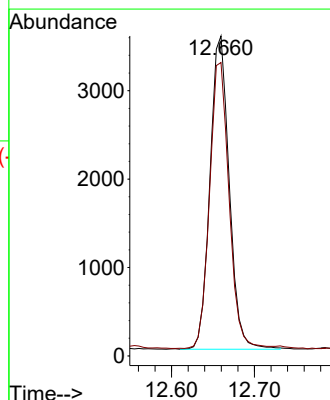
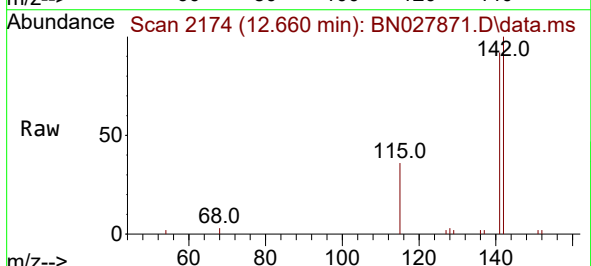
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS614

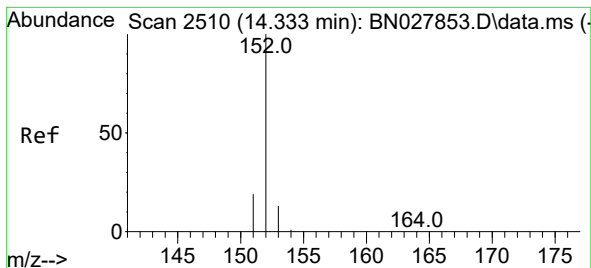
Tgt Ion:142 Resp: 5797  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.1 106.7



#8  
1-Methylnaphthalene  
Concen: 0.392 ng/ul  
RT: 12.660 min Scan# 2174  
Delta R.T. 0.012 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

Tgt Ion:142 Resp: 5719  
Ion Ratio Lower Upper  
142 100  
141 92.3 72.8 109.2





#10

Acenaphthylene

Concen: 0.388 ng/ul

RT: 14.333 min Scan# 2510

Delta R.T. 0.013 min

Lab File: BN027871.D

Acq: 26 Sep 2023 20:57

Instrument :

BNA\_N

ClientSampleId :

SLCS614

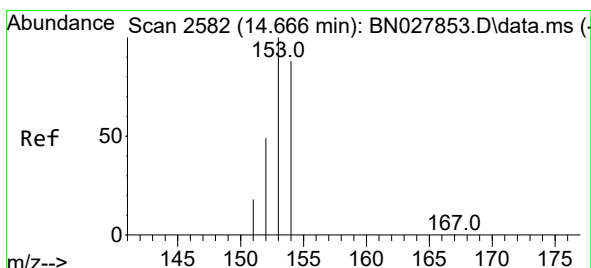
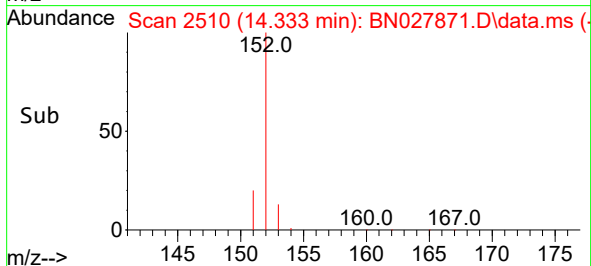
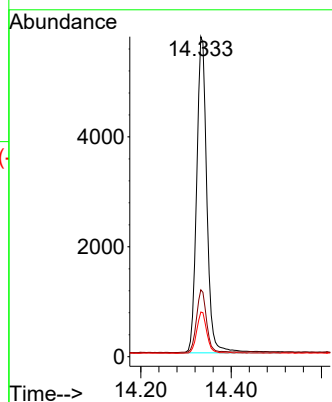
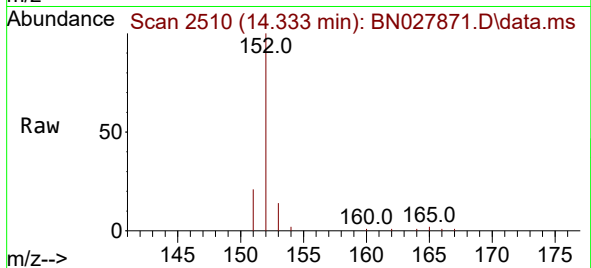
Tgt Ion:152 Resp: 9089

Ion Ratio Lower Upper

152 100

151 20.9 16.6 25.0

153 13.9 11.0 16.6



#11

Acenaphthene

Concen: 0.357 ng/ul

RT: 14.670 min Scan# 2583

Delta R.T. 0.018 min

Lab File: BN027871.D

Acq: 26 Sep 2023 20:57

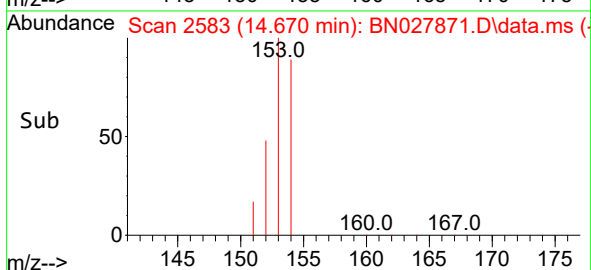
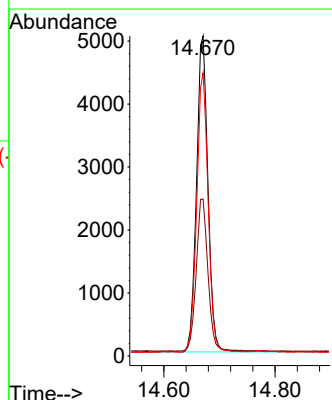
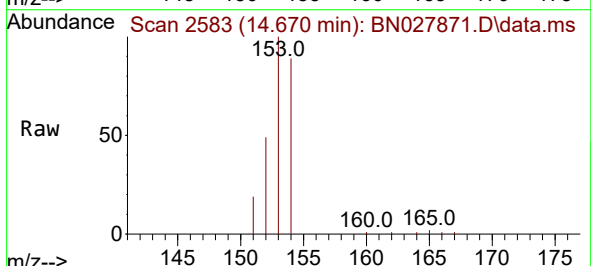
Tgt Ion:153 Resp: 7221

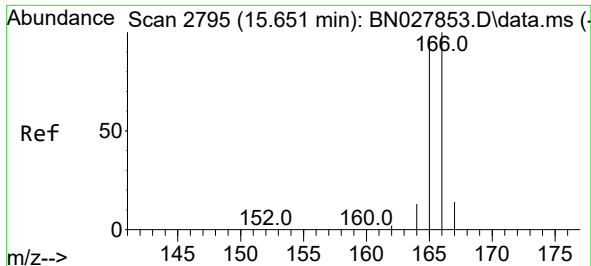
Ion Ratio Lower Upper

153 100

152 49.0 41.7 62.5

154 88.5 70.3 105.5

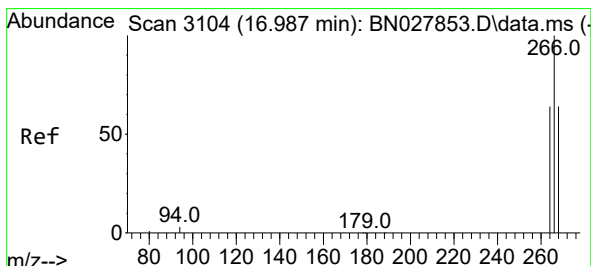
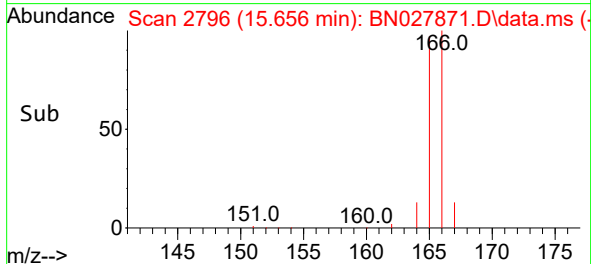
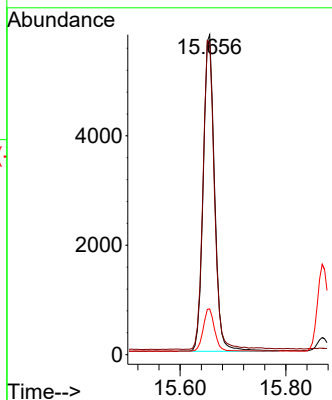
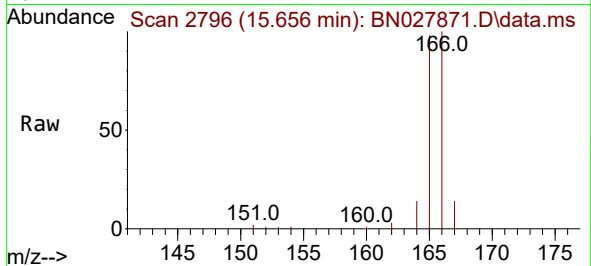




#12  
Fluorene  
Concen: 0.363 ng/ul  
RT: 15.656 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

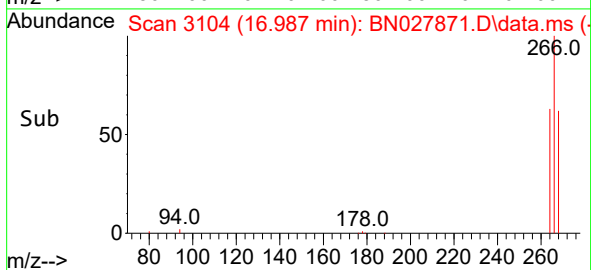
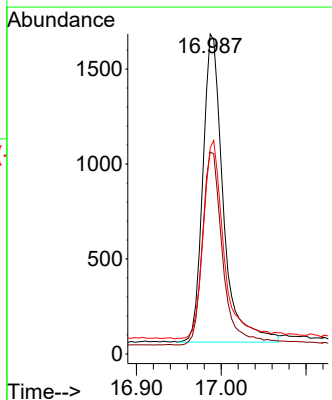
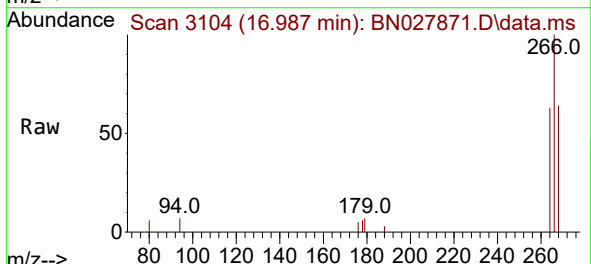
Instrument :  
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ClientSampleId :  
SLCS614

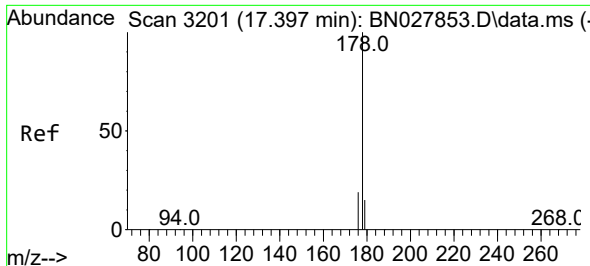
Tgt Ion:166 Resp: 8625  
Ion Ratio Lower Upper  
166 100  
165 97.6 78.0 117.0  
167 14.3 11.4 17.2



#14  
Pentachlorophenol  
Concen: 0.888 ng/ul  
RT: 16.987 min Scan# 3104  
Delta R.T. 0.016 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

Tgt Ion:266 Resp: 2702  
Ion Ratio Lower Upper  
266 100  
264 62.7 49.6 74.4  
268 65.7 50.7 76.1

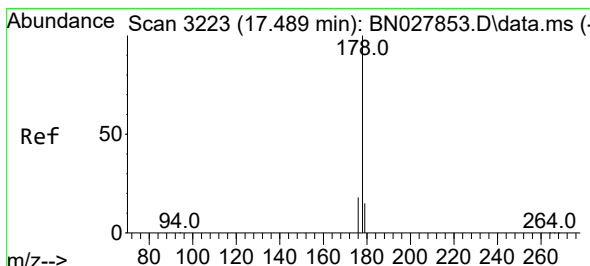
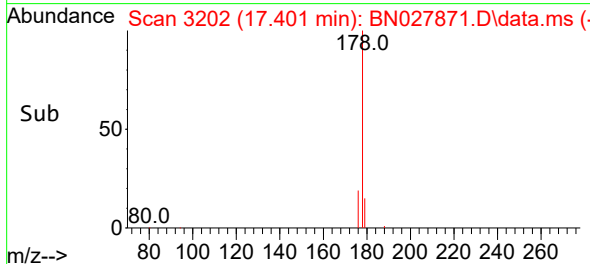
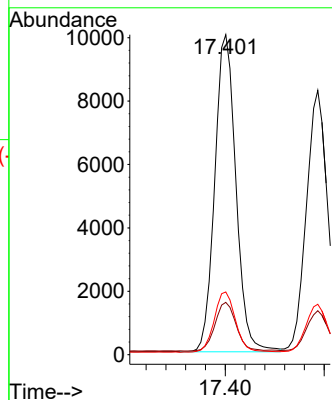
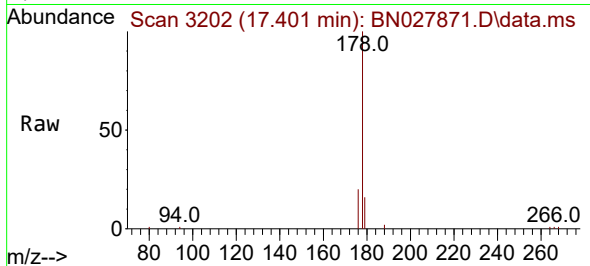




#15  
Phenanthrene  
Concen: 0.363 ng/ul  
RT: 17.401 min Scan# 31  
Delta R.T. 0.016 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

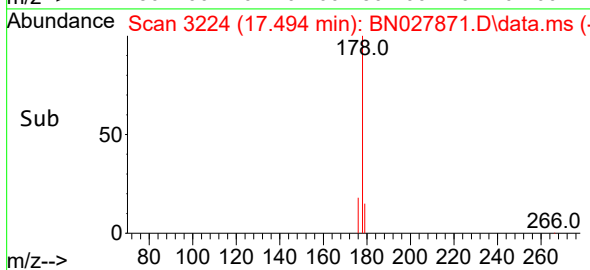
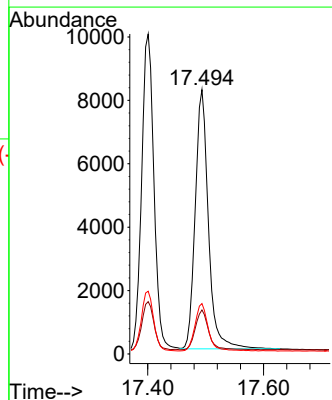
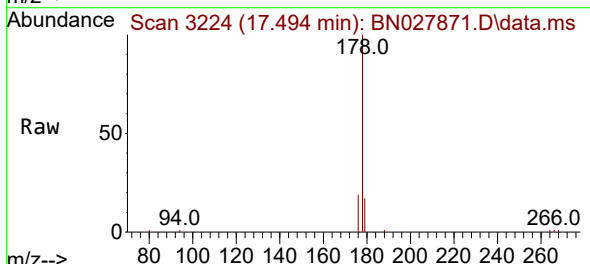
Instrument :  
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ClientSampleId :  
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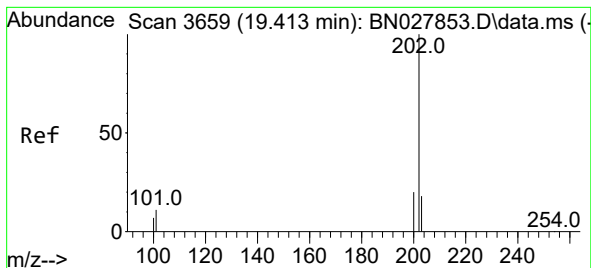
Tgt Ion:178 Resp: 14831  
Ion Ratio Lower Upper  
178 100  
179 16.3 12.4 18.6  
176 19.6 16.0 24.0



#16  
Anthracene  
Concen: 0.377 ng/ul  
RT: 17.494 min Scan# 3224  
Delta R.T. 0.016 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

Tgt Ion:178 Resp: 12887  
Ion Ratio Lower Upper  
178 100  
179 16.6 12.6 19.0  
176 19.1 15.5 23.3





#19

Fluoranthene

Concen: 0.333 ng/ul

RT: 19.413 min Scan# 3659

Delta R.T. 0.018 min

Lab File: BN027871.D

Acq: 26 Sep 2023 20:57

Instrument :

BNA\_N

ClientSampleId :

SLCS614

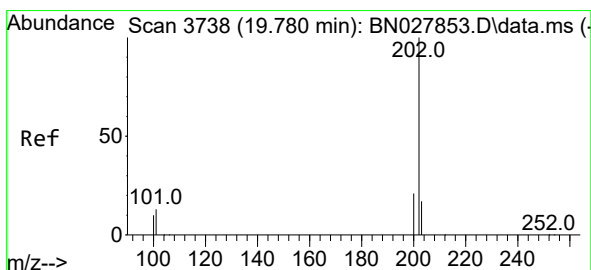
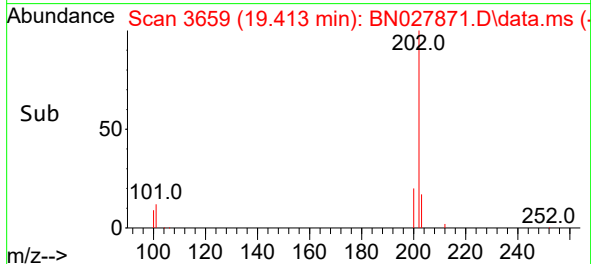
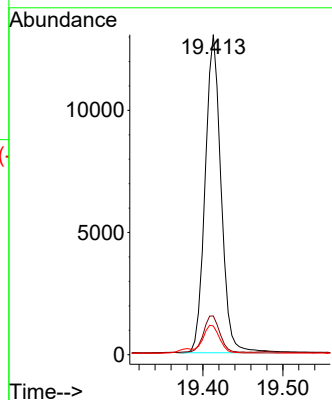
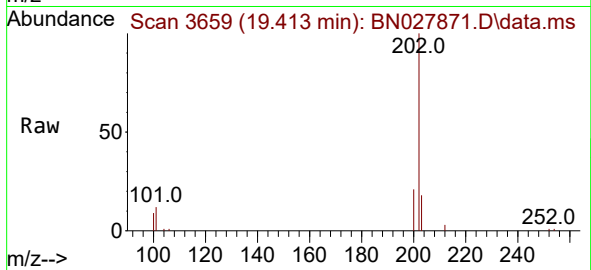
Tgt Ion:202 Resp: 18033

Ion Ratio Lower Upper

202 100

101 12.1 9.3 13.9

100 9.0 7.0 10.4



#20

Pyrene

Concen: 0.340 ng/ul

RT: 19.780 min Scan# 3738

Delta R.T. 0.018 min

Lab File: BN027871.D

Acq: 26 Sep 2023 20:57

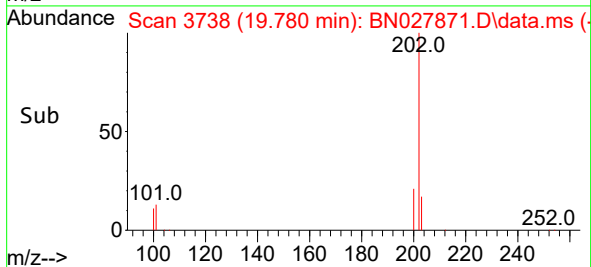
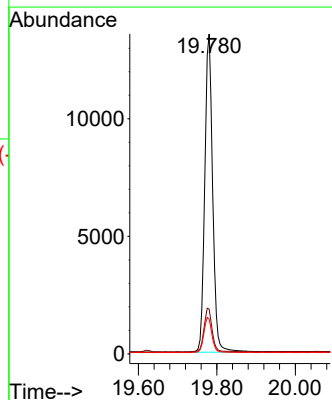
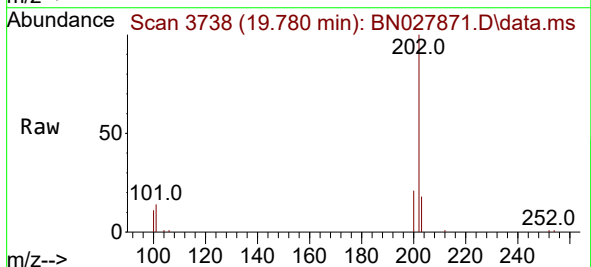
Tgt Ion:202 Resp: 18954

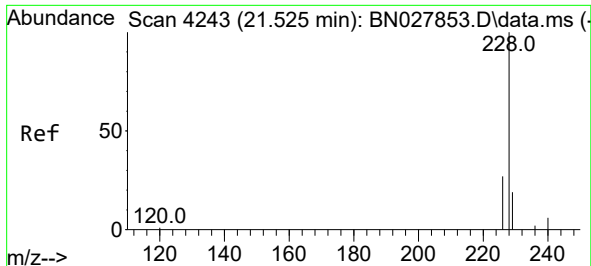
Ion Ratio Lower Upper

202 100

101 14.0 11.4 17.0

100 10.9 9.1 13.7

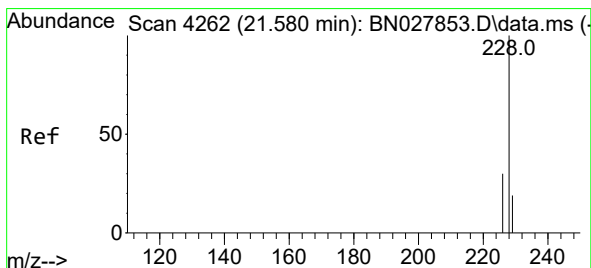
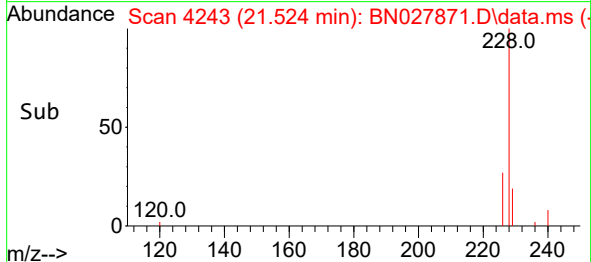
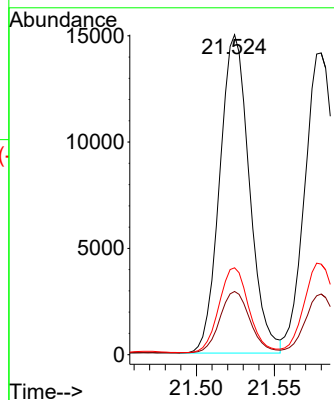
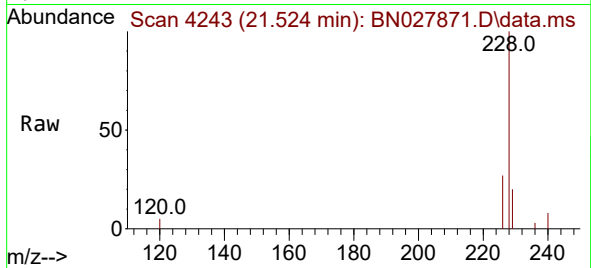




#21  
Benzo(a)anthracene  
Concen: 0.383 ng/ul  
RT: 21.524 min Scan# 4243  
Delta R.T. 0.021 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

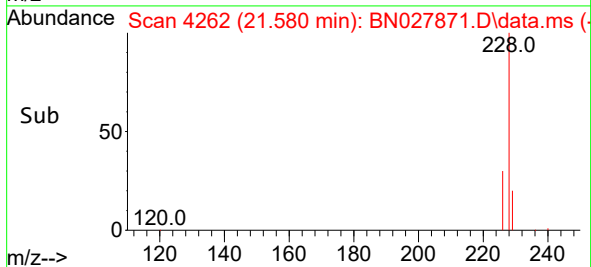
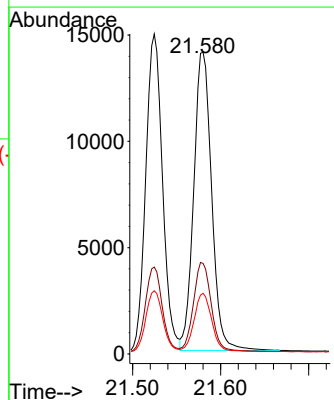
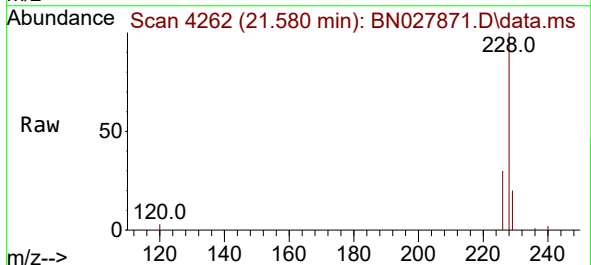
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS614

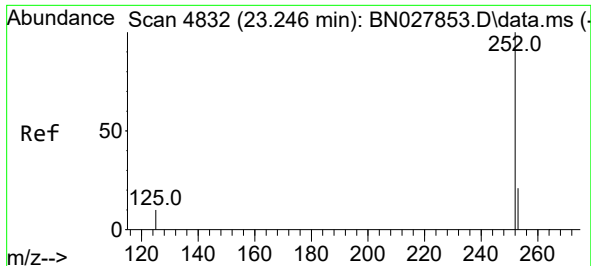
Tgt Ion:228 Resp: 19832  
Ion Ratio Lower Upper  
228 100  
229 19.8 15.8 23.8  
226 27.2 22.0 33.0



#22  
Chrysene  
Concen: 0.371 ng/ul  
RT: 21.580 min Scan# 4262  
Delta R.T. 0.021 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

Tgt Ion:228 Resp: 19859  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.5 36.7  
229 20.1 16.0 24.0

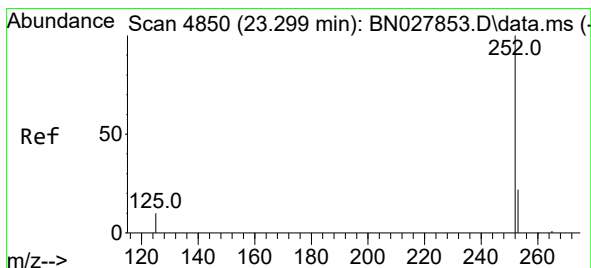
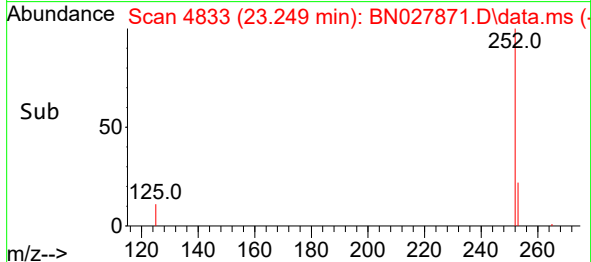
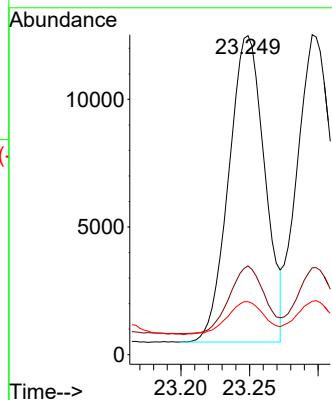
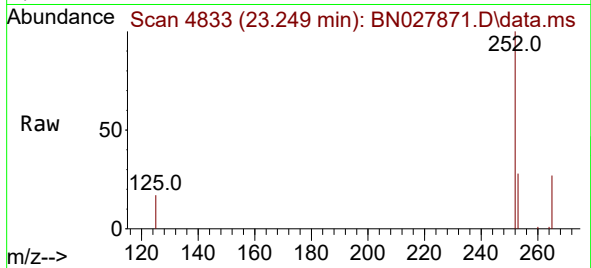




#24  
Benzo(b)fluoranthene  
Concen: 0.321 ng/ul  
RT: 23.249 min Scan# 4833  
Delta R.T. 0.009 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

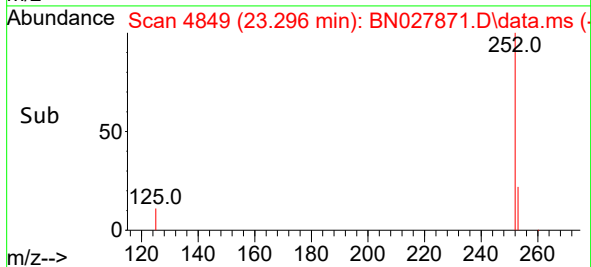
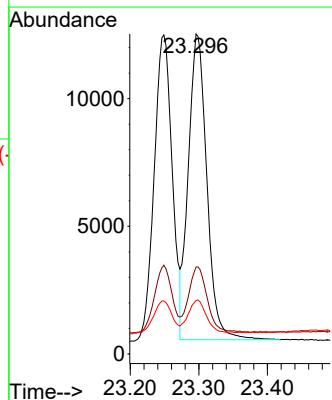
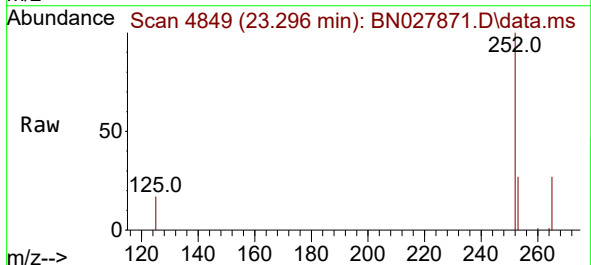
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS614

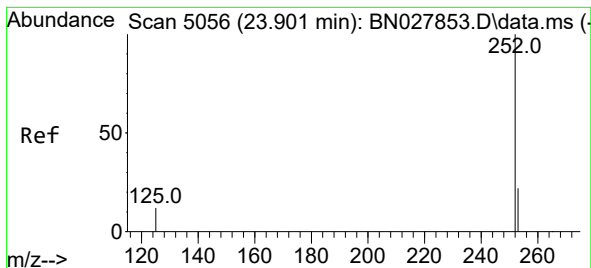
Tgt Ion:252 Resp: 21889  
Ion Ratio Lower Upper  
252 100  
253 27.8 0.0 50.2  
125 16.6 0.0 31.4



#25  
Benzo(k)fluoranthene  
Concen: 0.340 ng/ul  
RT: 23.296 min Scan# 4849  
Delta R.T. 0.003 min  
Lab File: BN027871.D  
Acq: 26 Sep 2023 20:57

Tgt Ion:252 Resp: 22466  
Ion Ratio Lower Upper  
252 100  
253 27.2 19.9 29.9  
125 16.7 12.6 19.0





#26

Benzo(a)pyrene

Concen: 0.384 ng/ul

RT: 23.901 min Scan# 5056

Delta R.T. 0.000 min

Lab File: BN027871.D

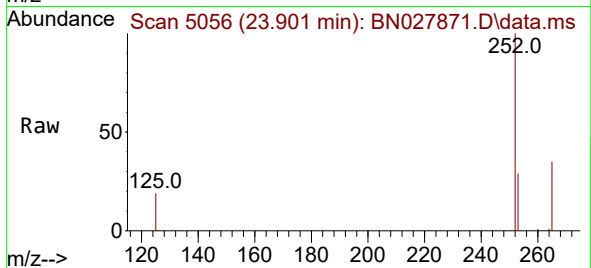
Acq: 26 Sep 2023 20:57

Instrument :

BNA\_N

ClientSampleId :

SLCS614



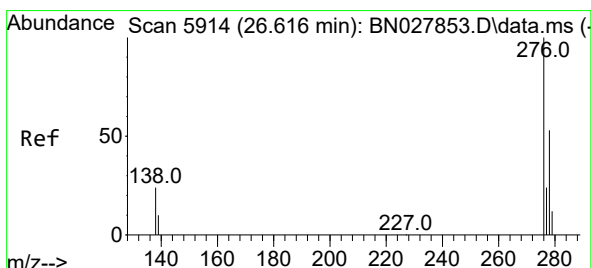
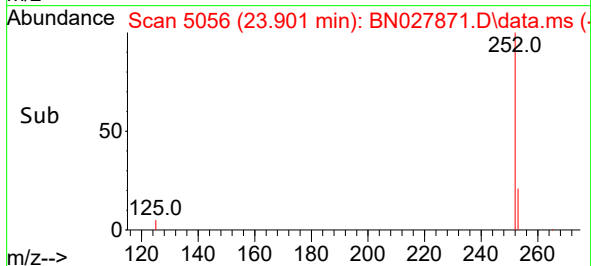
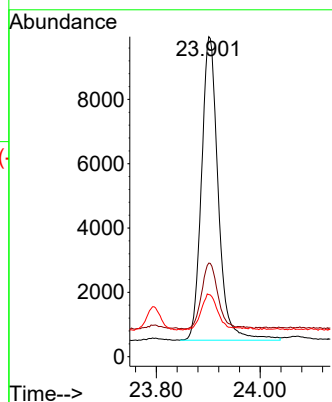
Tgt Ion:252 Resp: 21049

Ion Ratio Lower Upper

252 100

253 29.3 21.9 32.9

125 19.4 15.5 23.3



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.388 ng/ul

RT: 26.613 min Scan# 5913

Delta R.T. -0.020 min

Lab File: BN027871.D

Acq: 26 Sep 2023 20:57

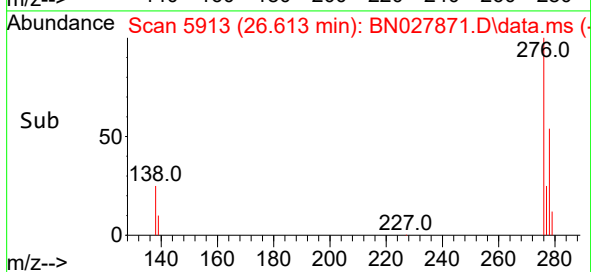
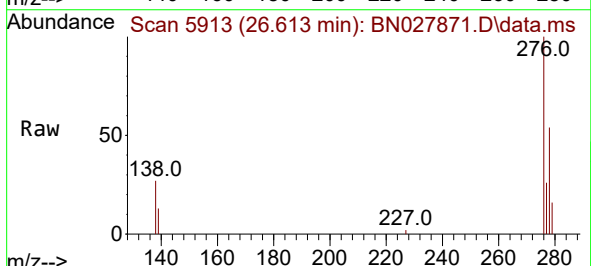
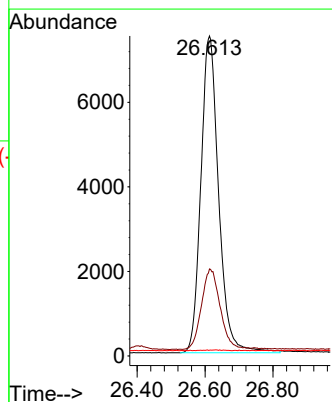
Tgt Ion:276 Resp: 27234

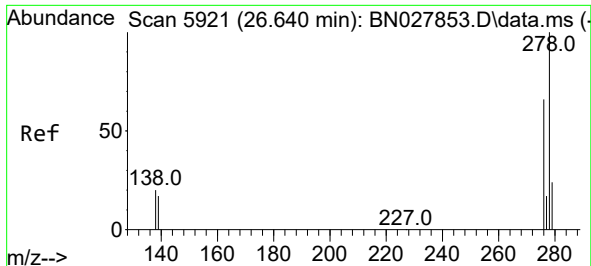
Ion Ratio Lower Upper

276 100

138 26.7 24.3 36.5

227 0.0 0.0 0.0#

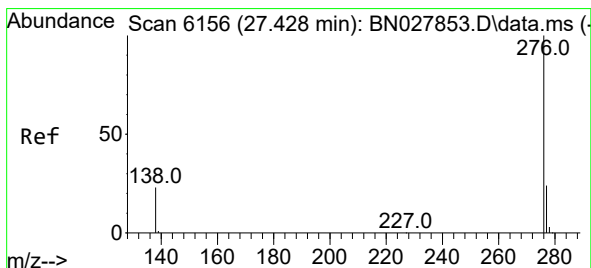
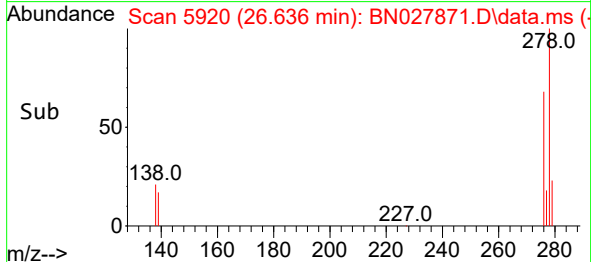
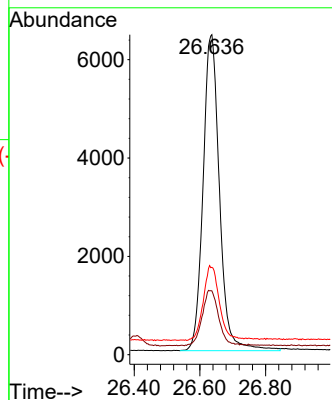
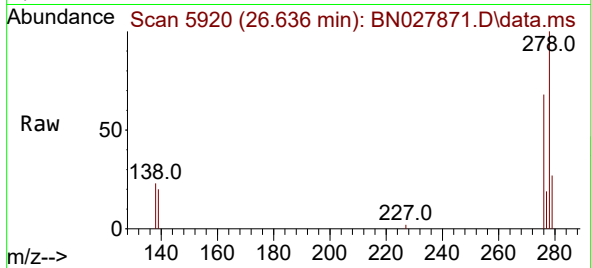




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.394 ng/ul  
 RT: 26.636 min Scan# 5921  
 Delta R.T. -0.020 min  
 Lab File: BN027871.D  
 Acq: 26 Sep 2023 20:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS614

Tgt Ion:278 Resp: 22281  
 Ion Ratio Lower Upper  
 278 100  
 139 19.9 17.2 25.8  
 279 27.3 21.4 32.0



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.381 ng/ul  
 RT: 27.425 min Scan# 6155  
 Delta R.T. -0.030 min  
 Lab File: BN027871.D  
 Acq: 26 Sep 2023 20:57

Tgt Ion:276 Resp: 22729  
 Ion Ratio Lower Upper  
 276 100  
 138 25.3 21.7 32.5  
 277 25.4 20.2 30.2

