

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028109.D  
 Acq On : 07 Oct 2023 06:53  
 Operator : MA/JU  
 Sample : PB156049BS  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS049

Quant Time: Oct 08 00:50:17 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 : Fri Oct 06 05:15:40 2023  
 Response via : Initial Calibration

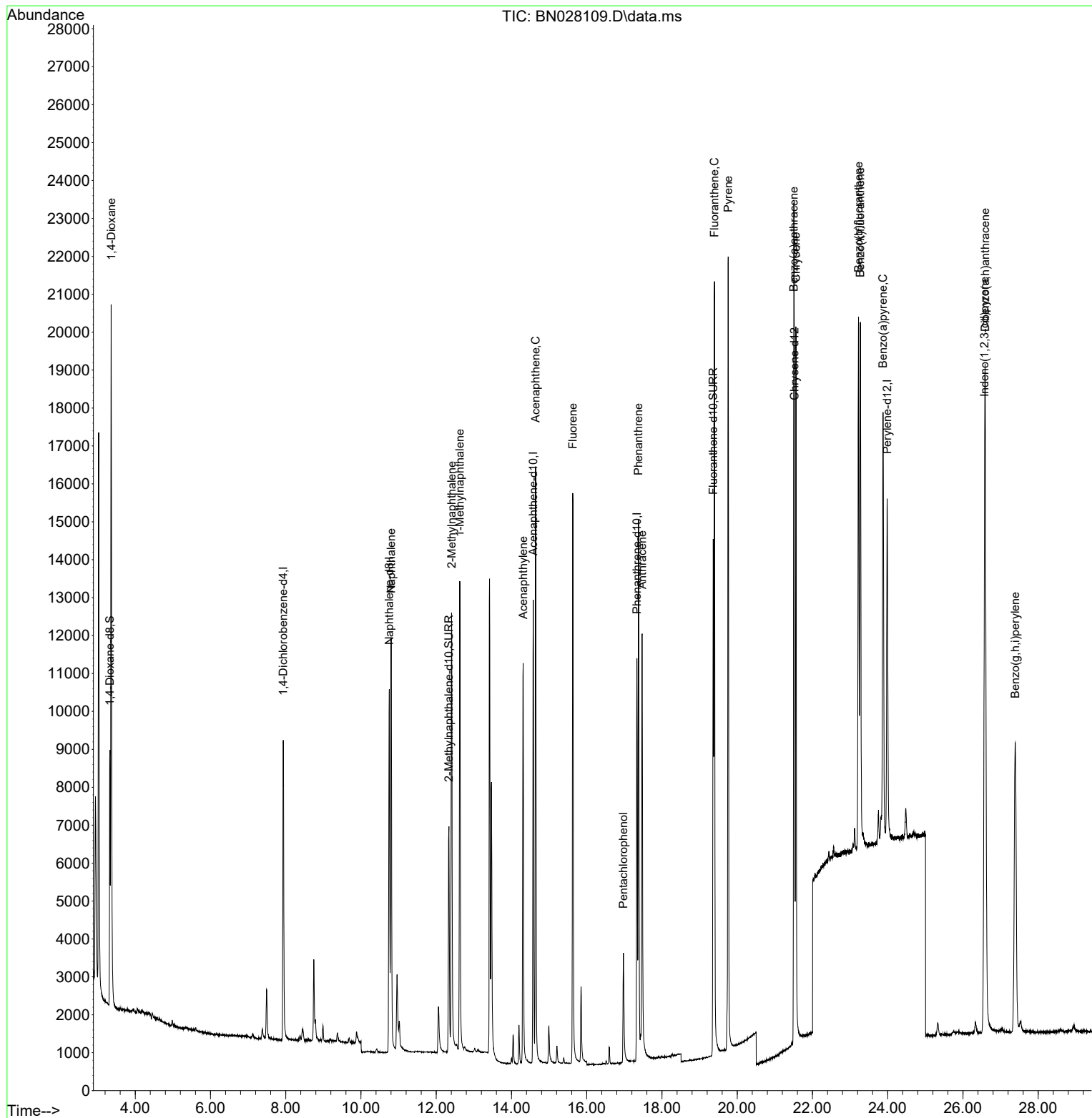
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.933  | 152  | 4547     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.751 | 136  | 14149    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.578 | 164  | 7051     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.333 | 188  | 13332    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.522 | 240  | 11978    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.986 | 264  | 13345    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.326  | 96   | 4639     | 0.812 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.335 | 152  | 8897     | 0.390 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.362 | 212  | 16251    | 0.428 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.359  | 88   | 13905    | 2.299 | ng/ul# | 85       |
| 5) Naphthalene              | 10.801 | 128  | 15694    | 0.391 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.407 | 142  | 9389     | 0.370 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.627 | 142  | 9164     | 0.349 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.310 | 152  | 13395    | 0.419 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.643 | 153  | 9949     | 0.391 | ng/ul  | 100      |
| 12) Fluorene                | 15.628 | 166  | 10640    | 0.376 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.974 | 266  | 2460     | 0.860 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.375 | 178  | 15973    | 0.402 | ng/ul  | 99       |
| 16) Anthracene              | 17.473 | 178  | 14359    | 0.404 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.394 | 202  | 18041    | 0.394 | ng/ul  | 100      |
| 20) Pyrene                  | 19.762 | 202  | 18874    | 0.398 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.504 | 228  | 18334    | 0.419 | ng/ul  | 99       |
| 22) Chrysene                | 21.560 | 228  | 18348    | 0.415 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.223 | 252  | 18867    | 0.381 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.272 | 252  | 20041    | 0.407 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.875 | 252  | 18298    | 0.434 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.576 | 276  | 23300    | 0.456 | ng/ul  | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.589 | 278  | 18997    | 0.457 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.391 | 276  | 19134    | 0.458 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

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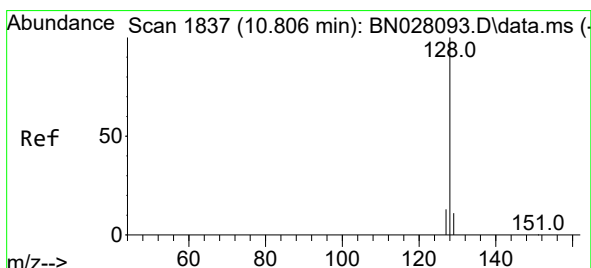
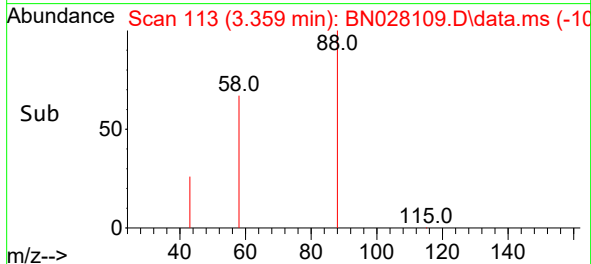
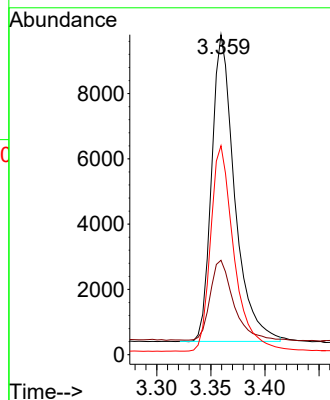
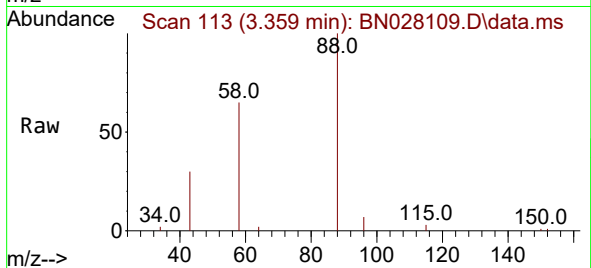




#2  
1,4-Dioxane  
Concen: 2.299 ng/ul  
RT: 3.359 min Scan# 115  
Delta R.T. -0.004 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

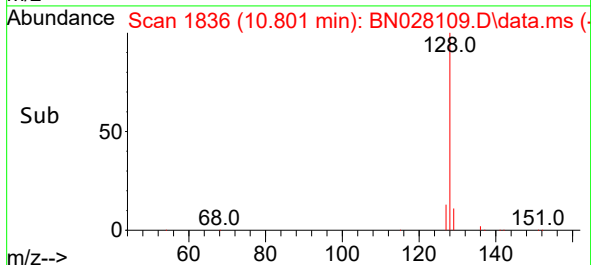
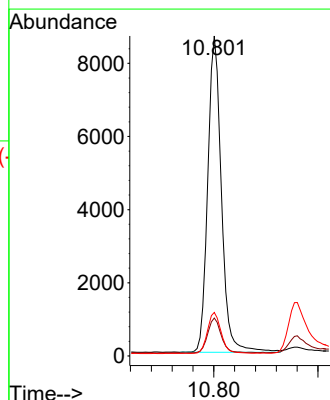
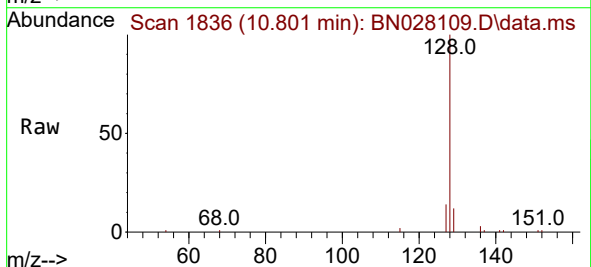
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS049

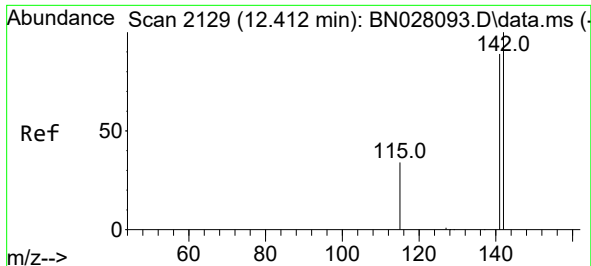
Tgt Ion: 88 Resp: 13905  
Ion Ratio Lower Upper  
88 100  
43 29.5 33.4 50.2#  
58 65.3 45.7 68.5



#5  
Naphthalene  
Concen: 0.391 ng/ul  
RT: 10.801 min Scan# 1836  
Delta R.T. -0.005 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Tgt Ion: 128 Resp: 15694  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.4 14.0  
127 13.6 11.0 16.4

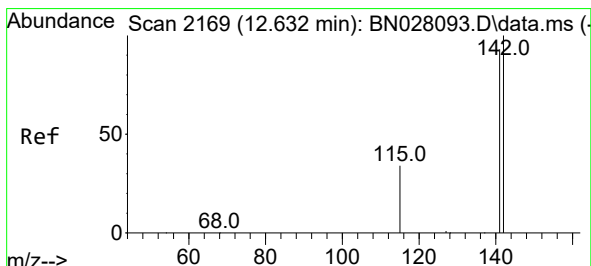
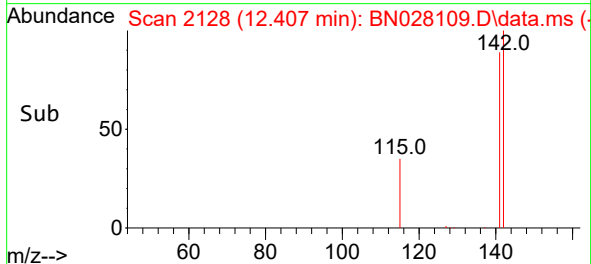
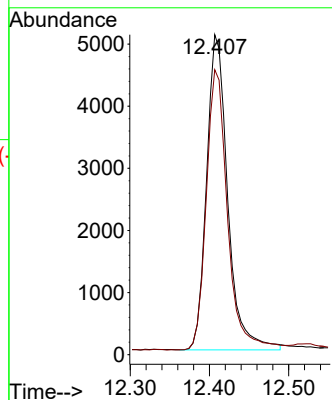
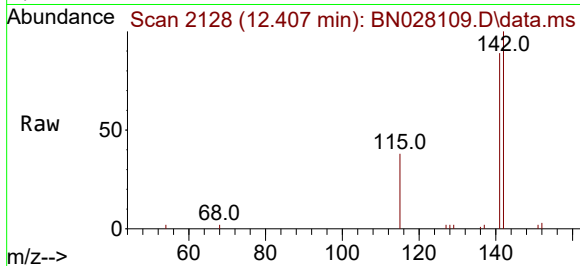




#7  
2-Methylnaphthalene  
Concen: 0.370 ng/ul  
RT: 12.407 min Scan# 2128  
Delta R.T. -0.005 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

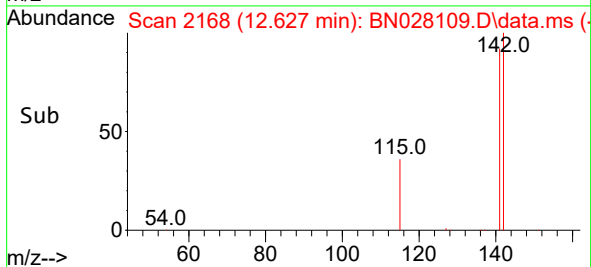
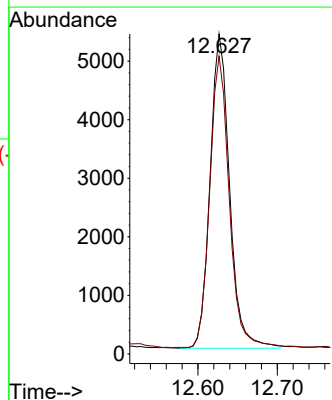
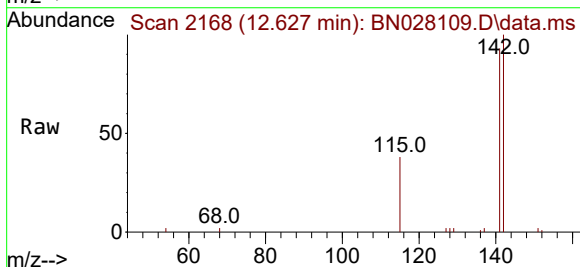
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS049

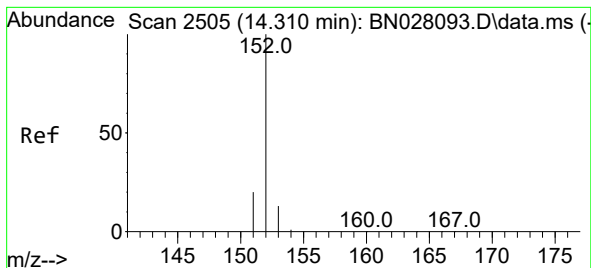
Tgt Ion:142 Resp: 9389  
Ion Ratio Lower Upper  
142 100  
141 89.4 70.9 106.3



#8  
1-Methylnaphthalene  
Concen: 0.349 ng/ul  
RT: 12.627 min Scan# 2168  
Delta R.T. 0.000 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Tgt Ion:142 Resp: 9164  
Ion Ratio Lower Upper  
142 100  
141 92.4 74.4 111.6





#10

Acenaphthylene

Concen: 0.419 ng/ul

RT: 14.310 min Scan# 2505

Delta R.T. 0.000 min

Lab File: BN028109.D

Acq: 07 Oct 2023 06:53

Instrument :

BNA\_N

ClientSampleId :

SLCS049

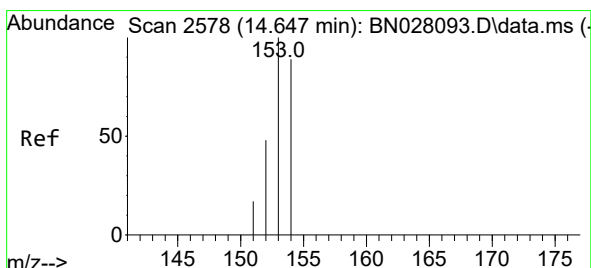
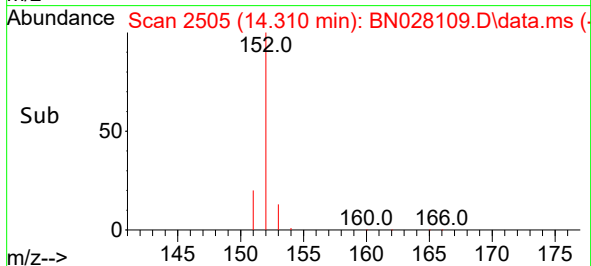
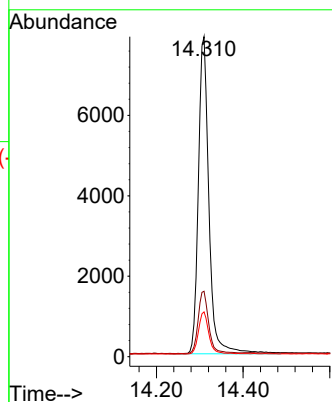
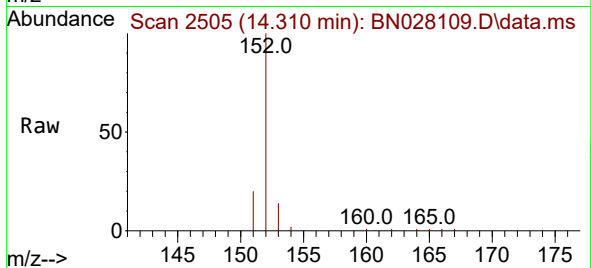
Tgt Ion:152 Resp: 13395

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 14.0 10.9 16.3



#11

Acenaphthene

Concen: 0.391 ng/ul

RT: 14.643 min Scan# 2577

Delta R.T. 0.000 min

Lab File: BN028109.D

Acq: 07 Oct 2023 06:53

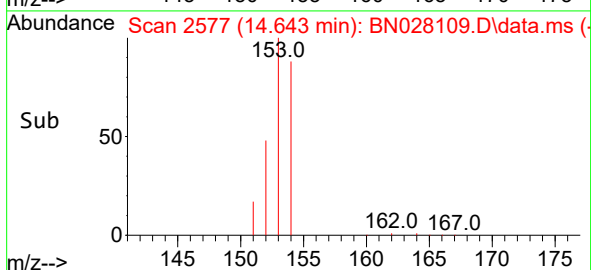
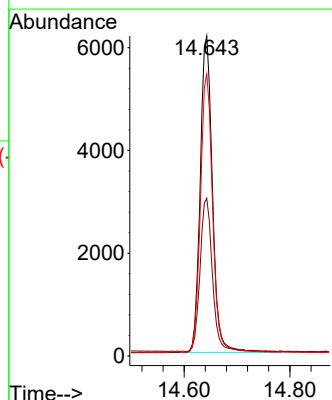
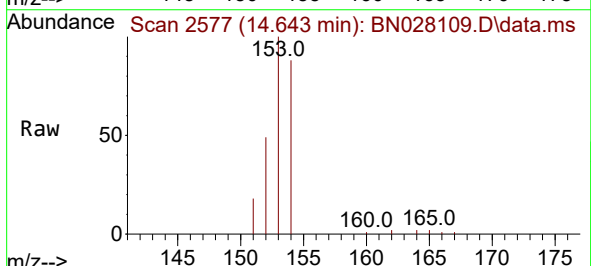
Tgt Ion:153 Resp: 9949

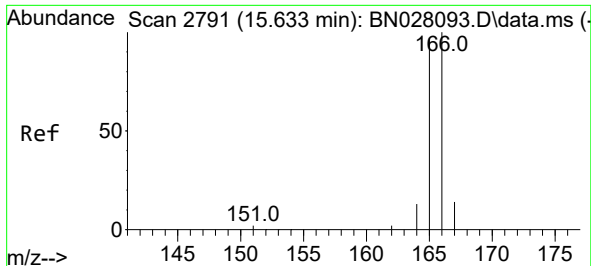
Ion Ratio Lower Upper

153 100

152 49.3 39.4 59.0

154 88.1 70.2 105.4

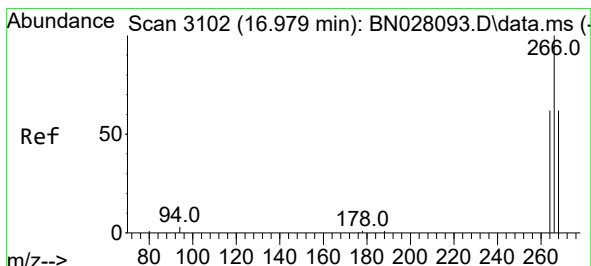
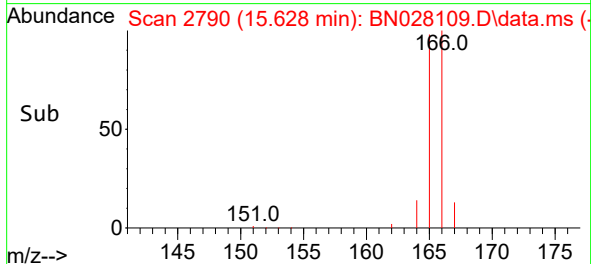
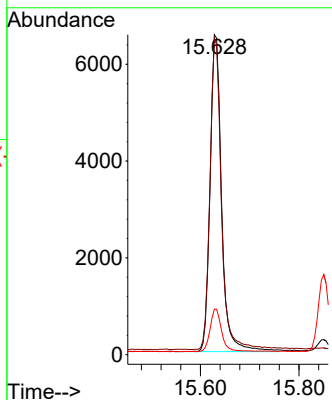
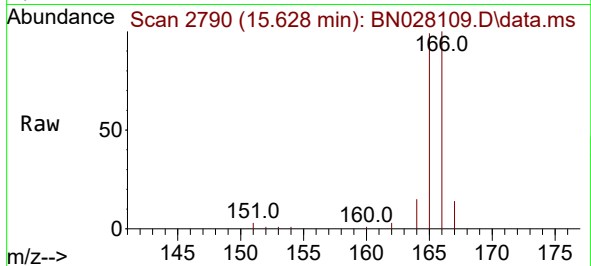




#12  
 Fluorene  
 Concen: 0.376 ng/ul  
 RT: 15.628 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BN028109.D  
 Acq: 07 Oct 2023 06:53

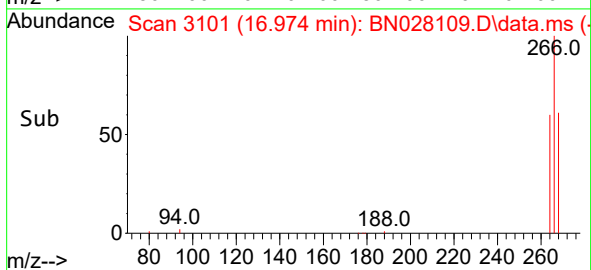
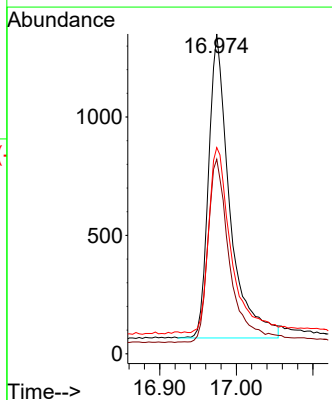
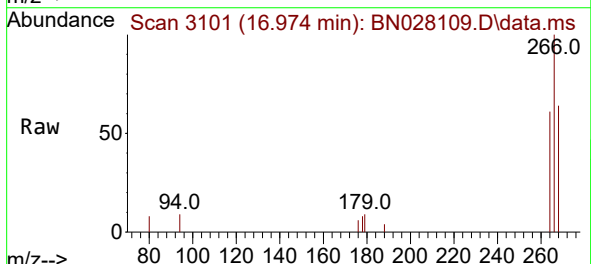
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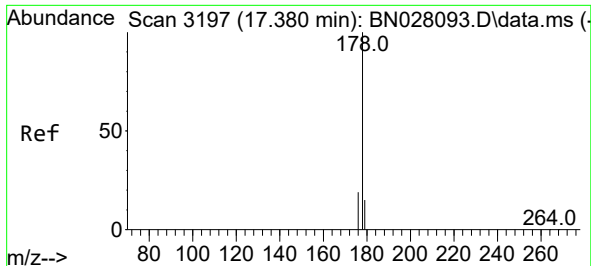
Tgt Ion:166 Resp: 10640  
 Ion Ratio Lower Upper  
 166 100  
 165 98.9 78.5 117.7  
 167 14.3 11.2 16.8



#14  
 Pentachlorophenol  
 Concen: 0.860 ng/ul  
 RT: 16.974 min Scan# 3101  
 Delta R.T. 0.004 min  
 Lab File: BN028109.D  
 Acq: 07 Oct 2023 06:53

Tgt Ion:266 Resp: 2460  
 Ion Ratio Lower Upper  
 266 100  
 264 62.3 49.6 74.4  
 268 64.5 52.2 78.4

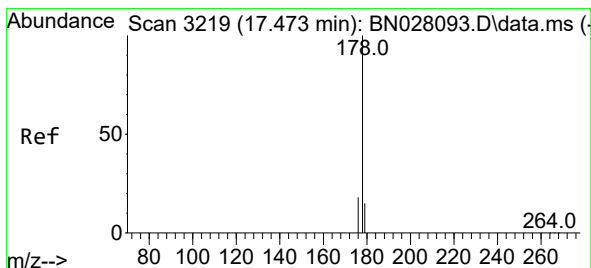
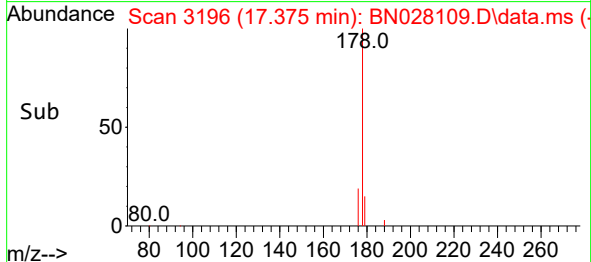
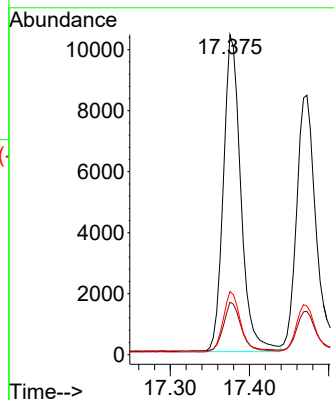
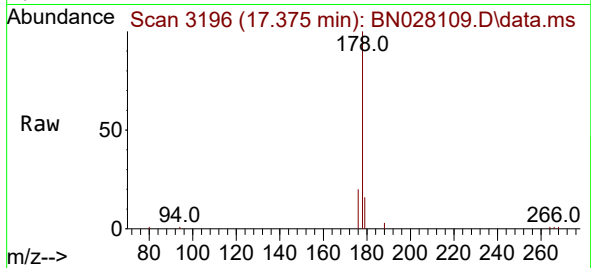




#15  
Phenanthrene  
Concen: 0.402 ng/ul  
RT: 17.375 min Scan# 3196  
Delta R.T. 0.000 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

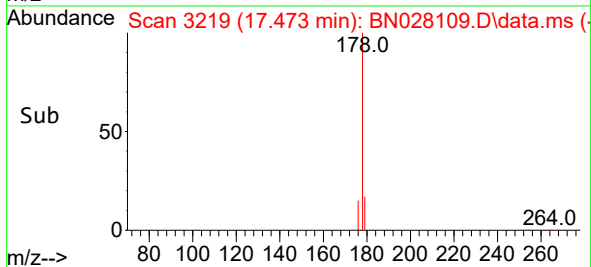
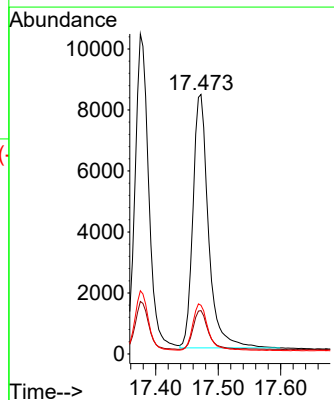
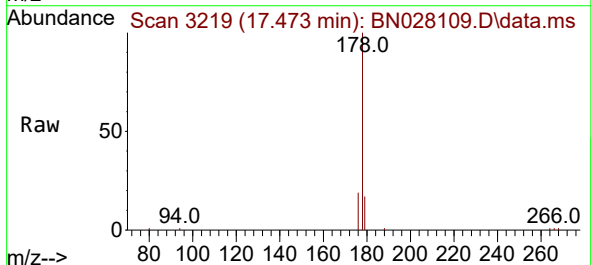
Instrument :  
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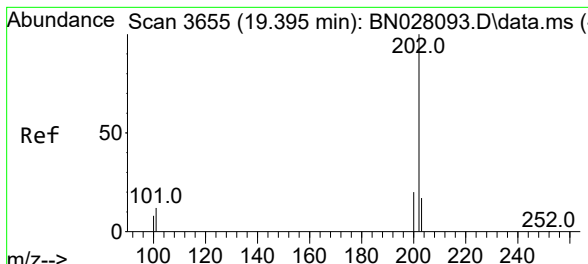
Tgt Ion:178 Resp: 15973  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.6 19.0  
176 19.8 15.5 23.3



#16  
Anthracene  
Concen: 0.404 ng/ul  
RT: 17.473 min Scan# 3219  
Delta R.T. 0.004 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Tgt Ion:178 Resp: 14359  
Ion Ratio Lower Upper  
178 100  
179 16.7 12.8 19.2  
176 18.8 15.0 22.6

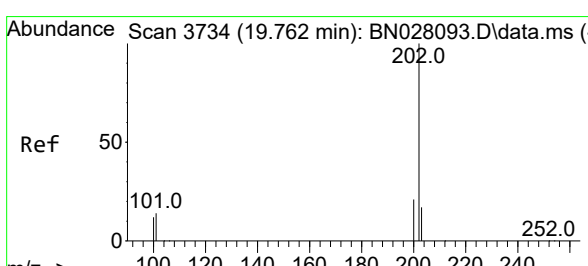
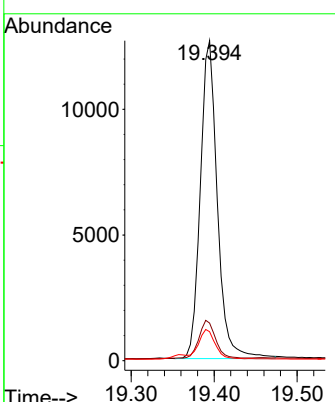
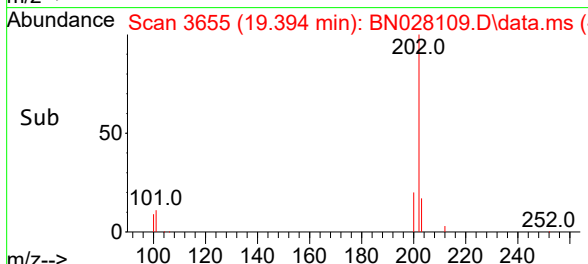
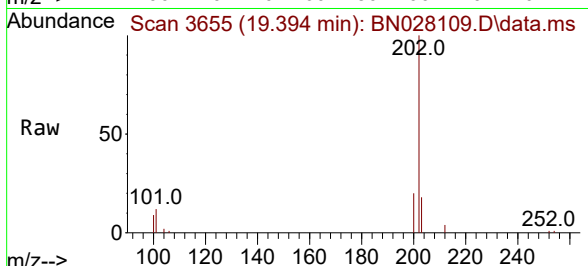




#19  
 Fluoranthene  
 Concen: 0.394 ng/ul  
 RT: 19.394 min Scan# 3655  
 Delta R.T. 0.005 min  
 Lab File: BN028109.D  
 Acq: 07 Oct 2023 06:53

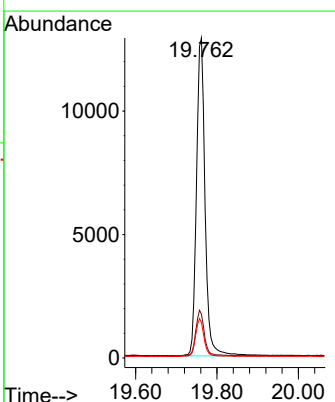
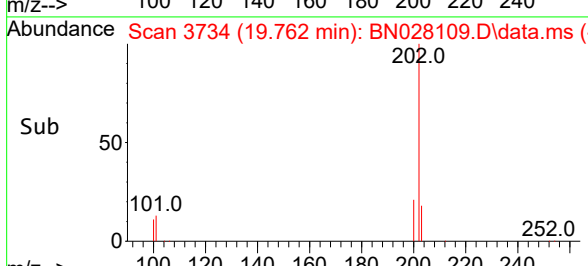
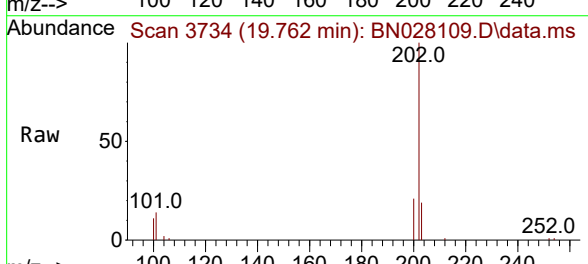
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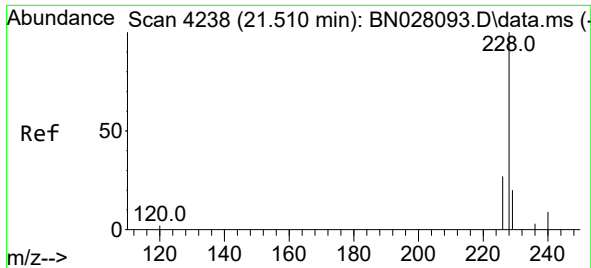
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|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 18041 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.8  | 9.6   | 14.4  |
| 100       | 9.1   | 7.4   | 11.0  |



#20  
 Pyrene  
 Concen: 0.398 ng/ul  
 RT: 19.762 min Scan# 3734  
 Delta R.T. 0.005 min  
 Lab File: BN028109.D  
 Acq: 07 Oct 2023 06:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 18874 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.7  | 11.2  | 16.8  |
| 100       | 11.1  | 9.1   | 13.7  |

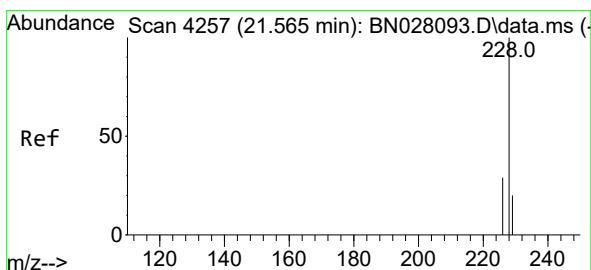
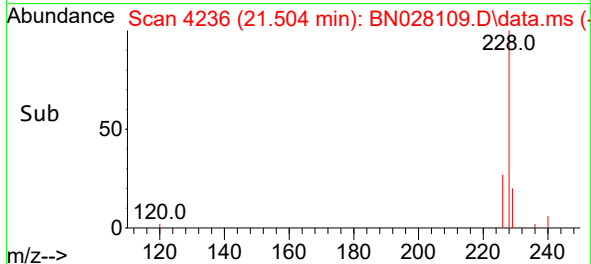
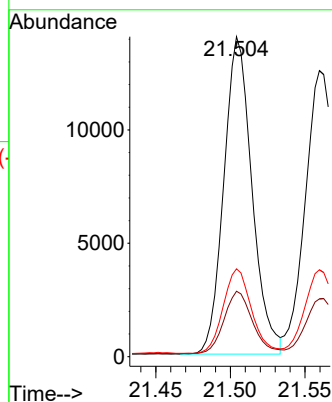
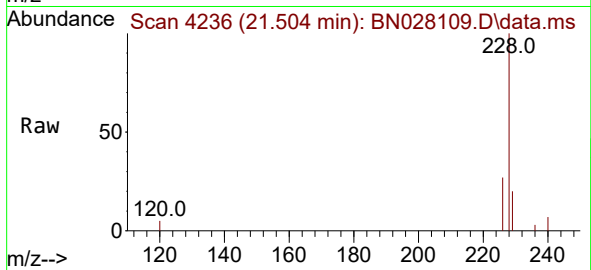




#21  
Benzo(a)anthracene  
Concen: 0.419 ng/ul  
RT: 21.504 min Scan# 4236  
Delta R.T. 0.003 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

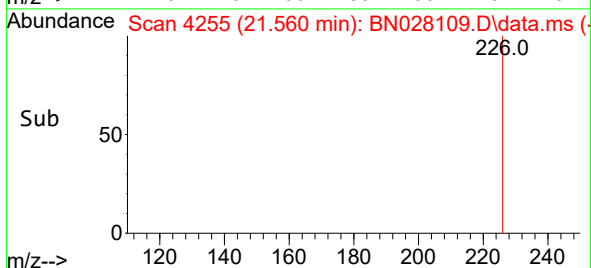
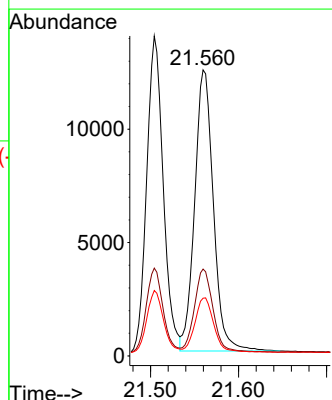
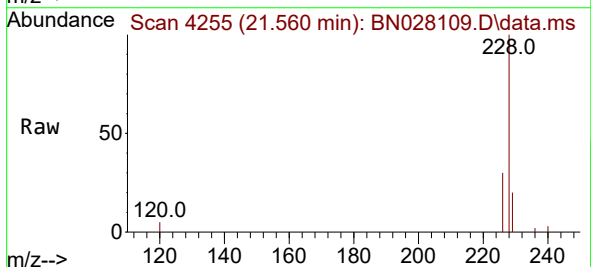
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS049

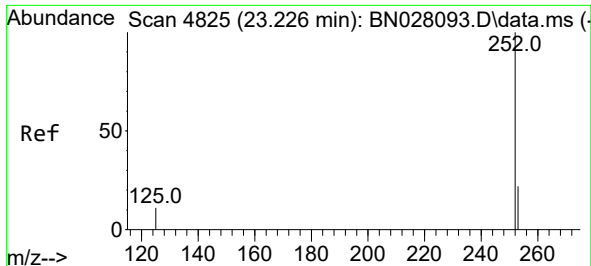
Tgt Ion:228 Resp: 18334  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.0 24.0  
226 27.4 21.5 32.3



#22  
Chrysene  
Concen: 0.415 ng/ul  
RT: 21.560 min Scan# 4255  
Delta R.T. 0.003 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Tgt Ion:228 Resp: 18348  
Ion Ratio Lower Upper  
228 100  
226 30.4 23.8 35.8  
229 20.2 16.0 24.0

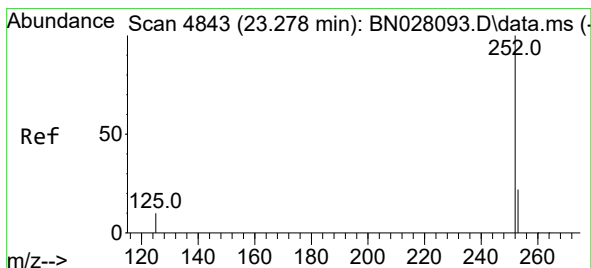
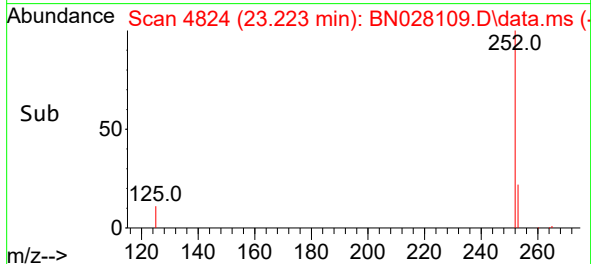
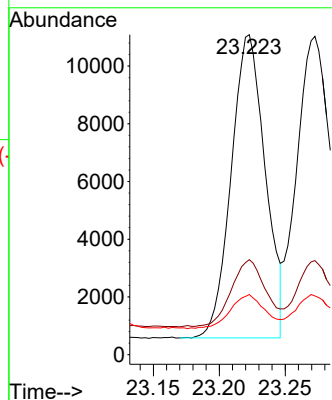
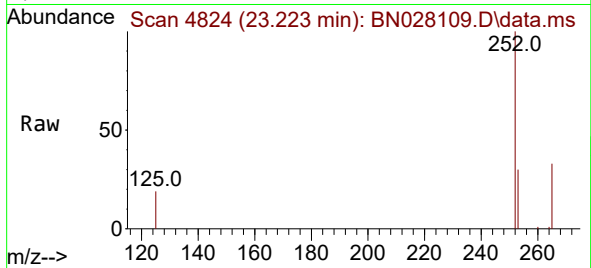




#24  
Benzo(b)fluoranthene  
Concen: 0.381 ng/ul  
RT: 23.223 min Scan# 4824  
Delta R.T. 0.006 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

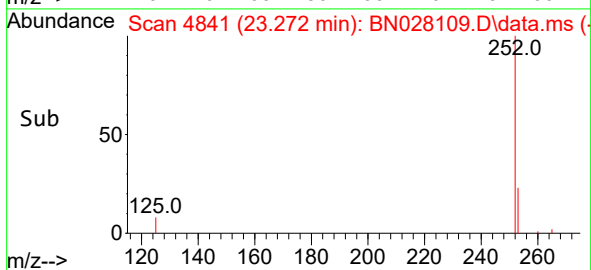
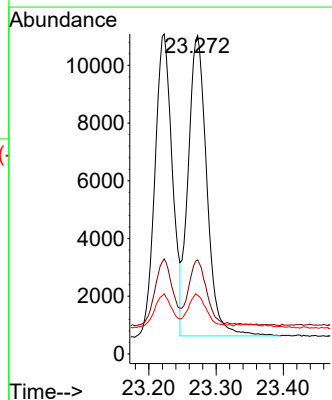
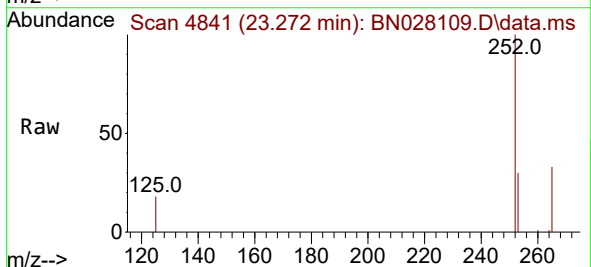
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS049

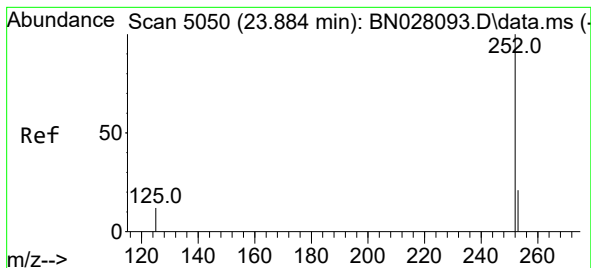
Tgt Ion:252 Resp: 18867  
Ion Ratio Lower Upper  
252 100  
253 29.7 0.0 54.0  
125 18.8 0.0 31.4



#25  
Benzo(k)fluoranthene  
Concen: 0.407 ng/ul  
RT: 23.272 min Scan# 4841  
Delta R.T. 0.006 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Tgt Ion:252 Resp: 20041  
Ion Ratio Lower Upper  
252 100  
253 29.6 21.8 32.8  
125 18.5 12.8 19.2





#26

Benzo(a)pyrene

Concen: 0.434 ng/ul

RT: 23.875 min Scan# 5050

Delta R.T. 0.006 min

Lab File: BN028109.D

Acq: 07 Oct 2023 06:53

Instrument :

BNA\_N

ClientSampleId :

SLCS049

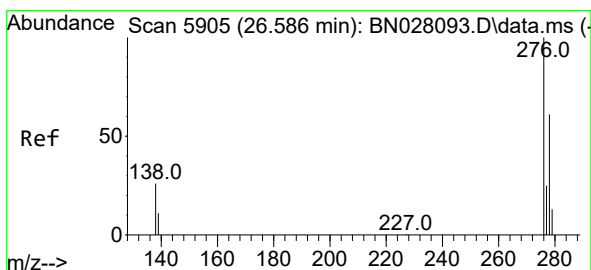
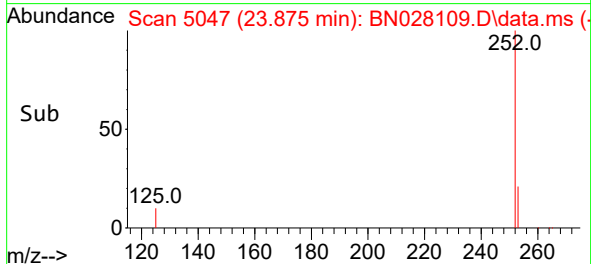
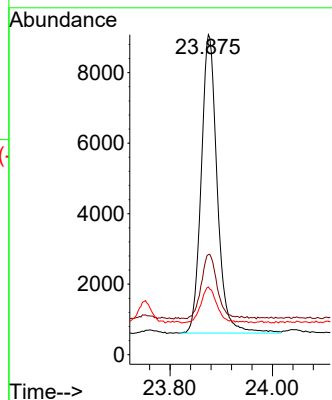
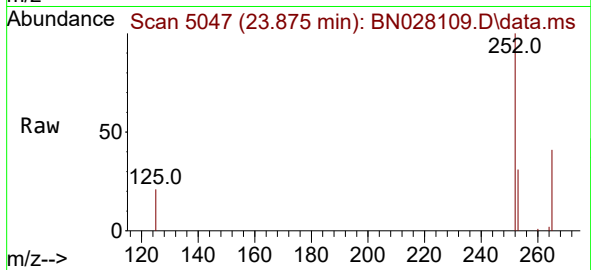
Tgt Ion:252 Resp: 18298

Ion Ratio Lower Upper

252 100

253 31.3 23.4 35.2

125 21.2 15.3 22.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.456 ng/ul

RT: 26.576 min Scan# 5902

Delta R.T. 0.010 min

Lab File: BN028109.D

Acq: 07 Oct 2023 06:53

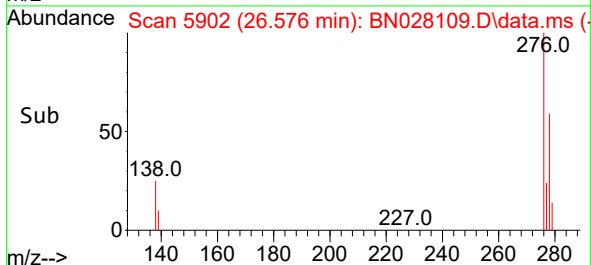
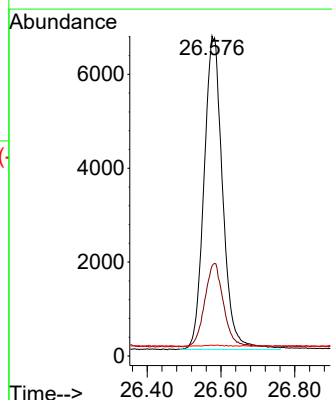
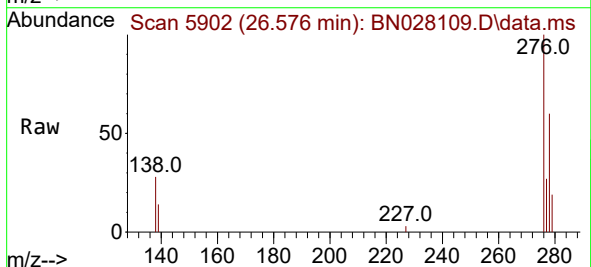
Tgt Ion:276 Resp: 23300

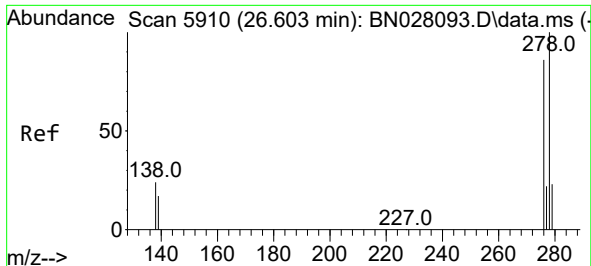
Ion Ratio Lower Upper

276 100

138 27.0 21.6 32.4

227 0.2 0.2 0.2

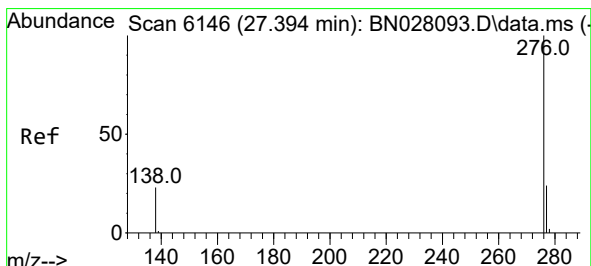
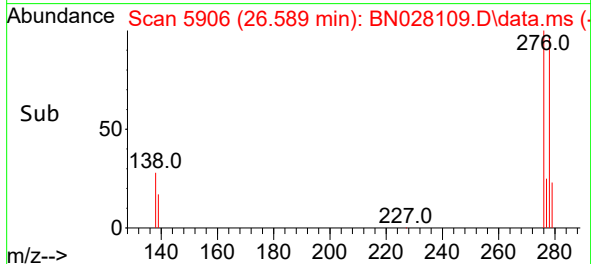
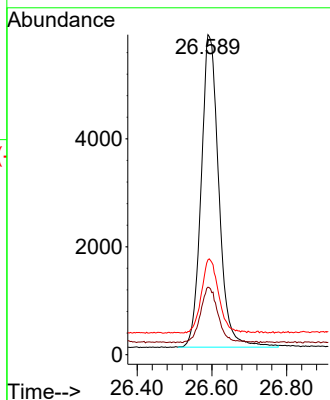
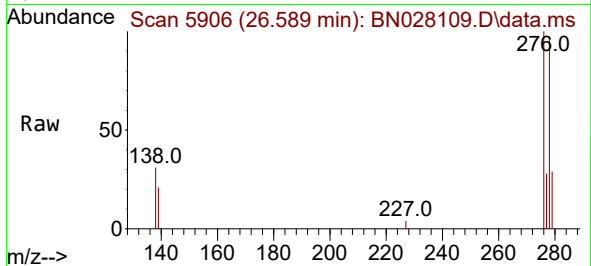




#28  
Dibenzo(a,h)anthracene  
Concen: 0.457 ng/ul  
RT: 26.589 min Scan# 5906  
Delta R.T. 0.007 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS049

Tgt Ion:278 Resp: 18997  
Ion Ratio Lower Upper  
278 100  
139 21.1 15.9 23.9  
279 29.7 22.8 34.2



#29  
Benzo(g,h,i)perylene  
Concen: 0.458 ng/ul  
RT: 27.391 min Scan# 6145  
Delta R.T. 0.013 min  
Lab File: BN028109.D  
Acq: 07 Oct 2023 06:53

Tgt Ion:276 Resp: 19134  
Ion Ratio Lower Upper  
276 100  
138 26.2 19.8 29.6  
277 26.4 20.6 31.0

