

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
 Data File : BN032510.D  
 Acq On : 05 Jul 2024 15:15  
 Operator : MA/JU  
 Sample : PB161671BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS671

Quant Time: Jul 05 15:40:56 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

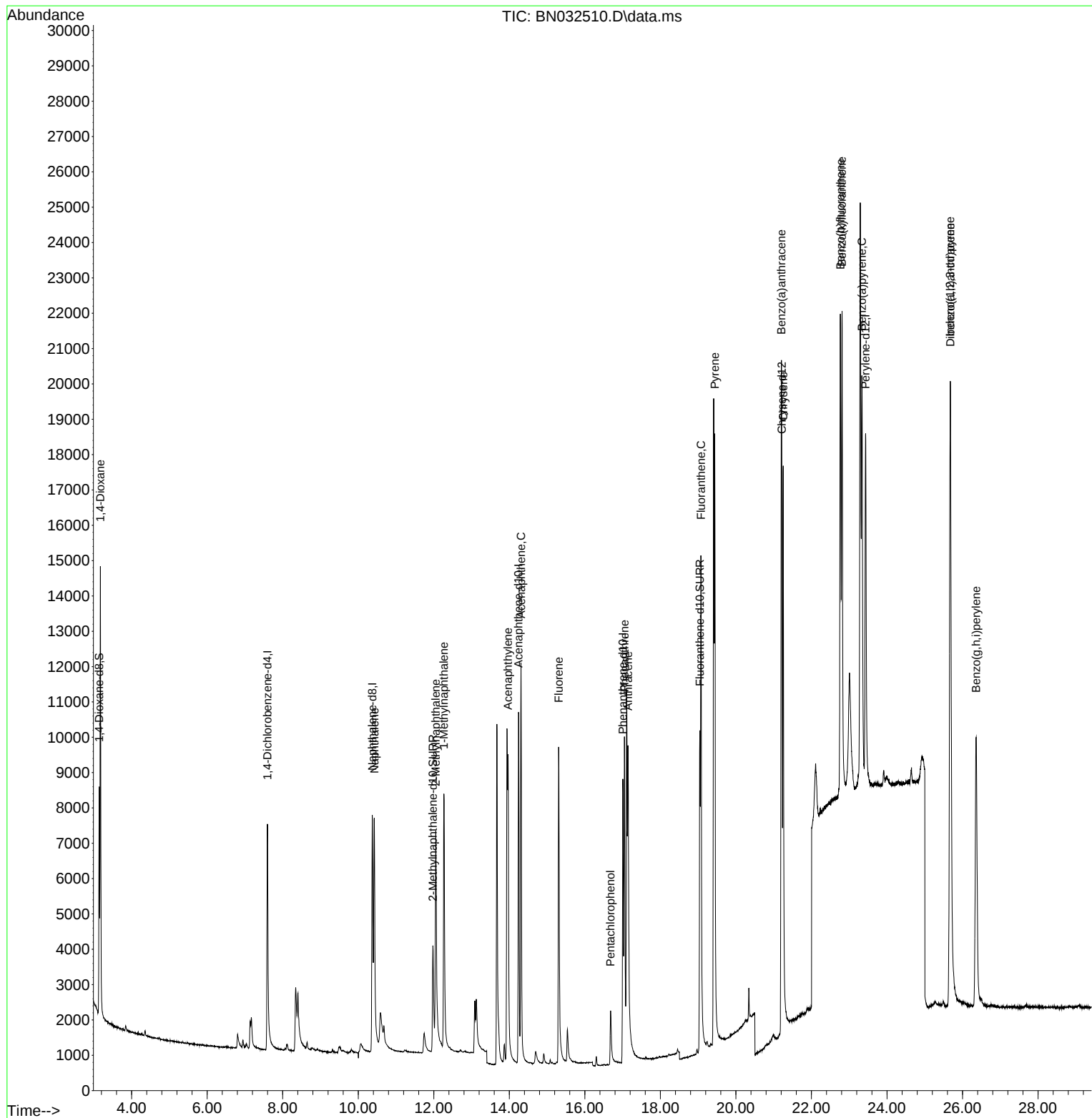
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.595  | 152  | 4241     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.371 | 136  | 12218    | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.244 | 164  | 6566     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.007 | 188  | 11921    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.217 | 240  | 11650    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.435 | 264  | 14293    | 0.400 | ng/ul  | # 0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.139  | 96   | 4346     | 0.922 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.976 | 152  | 6342     | 0.346 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.045 | 212  | 12609    | 0.360 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.173  | 88   | 9196     | 1.714 | ng/ul  | 90       |
| 5) Naphthalene              | 10.426 | 128  | 11445    | 0.354 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.053 | 142  | 6680     | 0.312 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.268 | 142  | 6632     | 0.298 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.966 | 152  | 10798    | 0.395 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.308 | 153  | 7507     | 0.354 | ng/ul  | 99       |
| 12) Fluorene                | 15.308 | 166  | 7868     | 0.312 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.682 | 266  | 1839     | 0.682 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.050 | 178  | 11593    | 0.355 | ng/ul  | 98       |
| 16) Anthracene              | 17.147 | 178  | 11185    | 0.384 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.078 | 202  | 14622    | 0.330 | ng/ul  | 97       |
| 20) Pyrene                  | 19.440 | 202  | 15611    | 0.337 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.203 | 228  | 15757    | 0.375 | ng/ul  | 97       |
| 22) Chrysene                | 21.252 | 228  | 17021    | 0.369 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.766 | 252  | 18920    | 0.305 | ng/ul  | 87       |
| 25) Benzo(k)fluoranthene    | 22.810 | 252  | 18725    | 0.310 | ng/ul# | 87       |
| 26) Benzo(a)pyrene          | 23.336 | 252  | 17065    | 0.395 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.676 | 276  | 22210    | 0.328 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 25.680 | 278  | 17705    | 0.352 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 26.360 | 276  | 17857    | 0.331 | ng/ul  | 92       |
| -----                       |        |      |          |       |        |          |

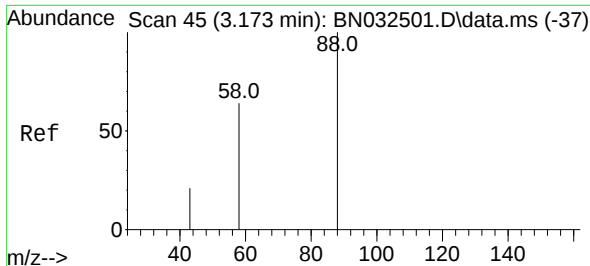
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
Data File : BN032510.D  
Acq On : 05 Jul 2024 15:15  
Operator : MA/JU  
Sample : PB161671BS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS671

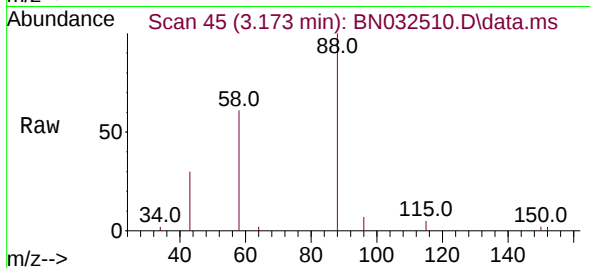
Quant Time: Jul 05 15:40:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 03 03:26:42 2024  
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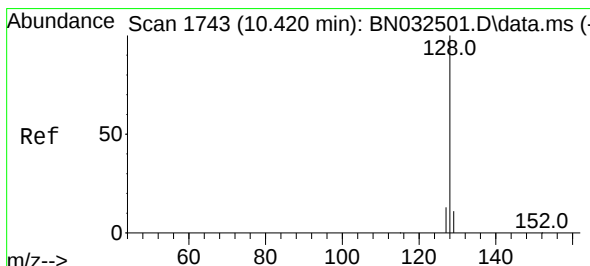
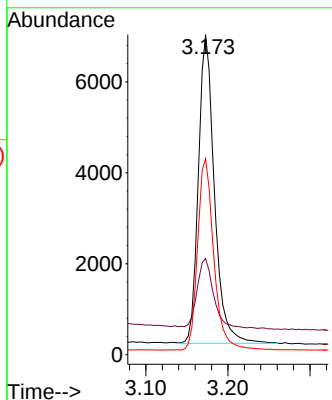
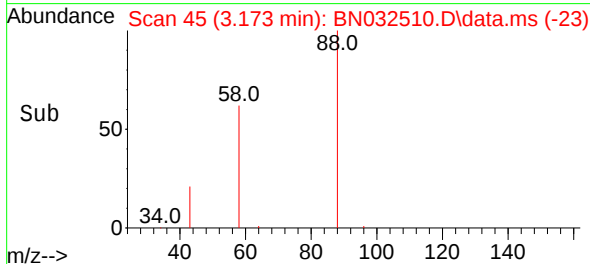
#2  
1,4-Dioxane  
Concen: 1.714 ng/ul  
RT: 3.173 min Scan# 45  
Delta R.T. -0.009 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

Instrument :  
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ClientSampleId :  
SLCS671

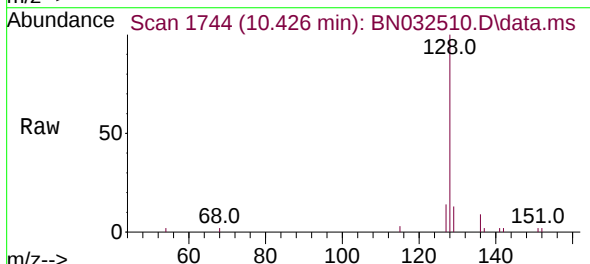


Tgt Ion: 88 Resp: 9196

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 30.1  | 28.4  | 42.6  |
| 58  | 61.3  | 43.3  | 64.9  |

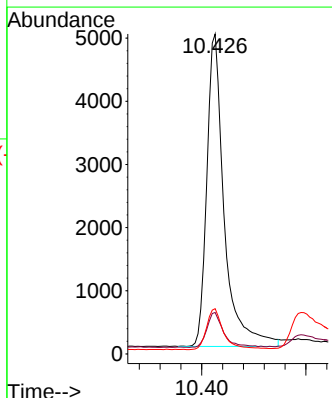
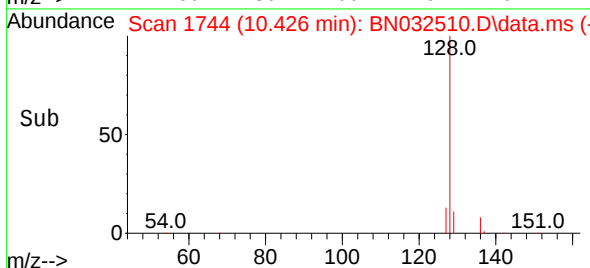


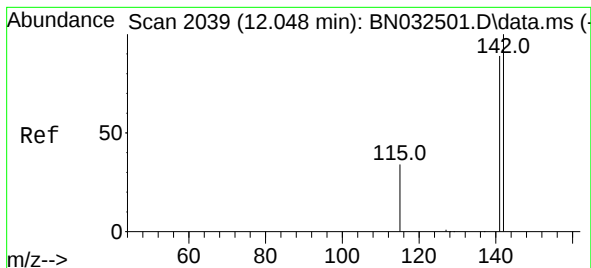
#5  
Naphthalene  
Concen: 0.354 ng/ul  
RT: 10.426 min Scan# 1744  
Delta R.T. -0.006 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15



Tgt Ion: 128 Resp: 11445

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 12.9  | 9.2   | 13.8  |
| 127 | 14.1  | 10.8  | 16.2  |

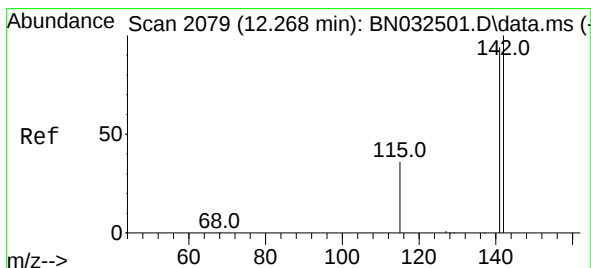
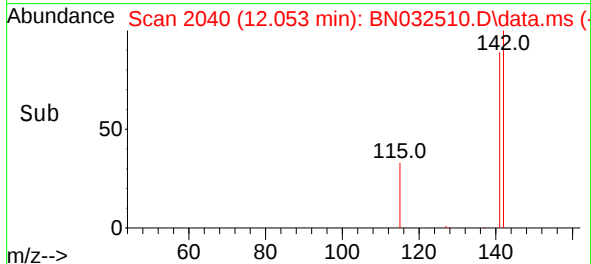
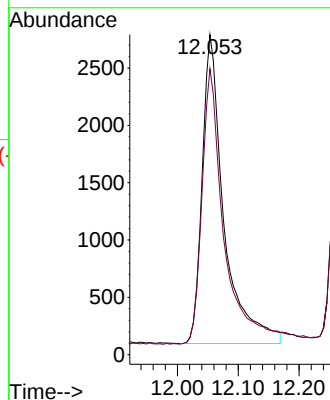
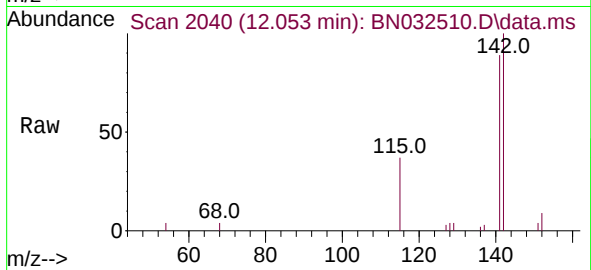




#7  
2-Methylnaphthalene  
Concen: 0.312 ng/ul  
RT: 12.053 min Scan# 2040  
Delta R.T. -0.000 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

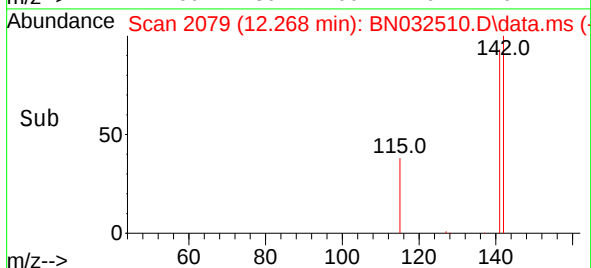
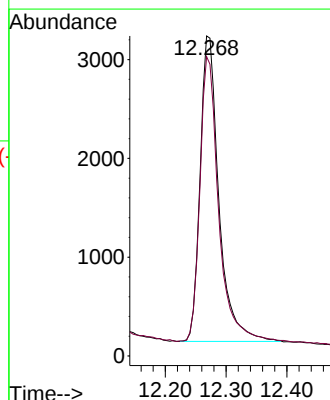
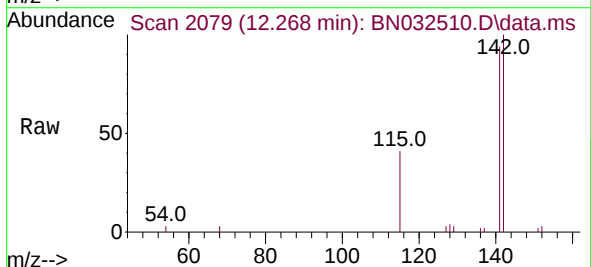
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS671

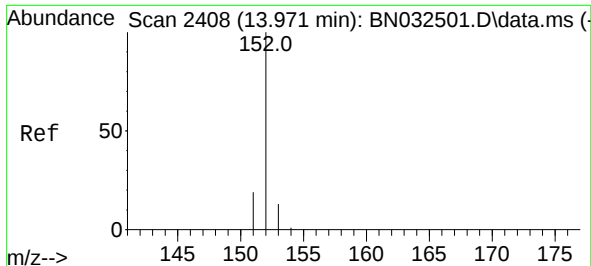
Tgt Ion:142 Resp: 6680  
Ion Ratio Lower Upper  
142 100  
141 90.2 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 0.298 ng/ul  
RT: 12.268 min Scan# 2079  
Delta R.T. -0.006 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

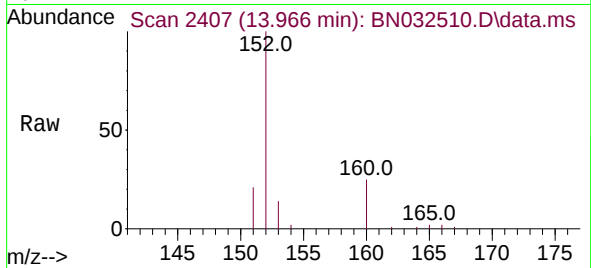
Tgt Ion:142 Resp: 6632  
Ion Ratio Lower Upper  
142 100  
141 93.1 73.4 110.0



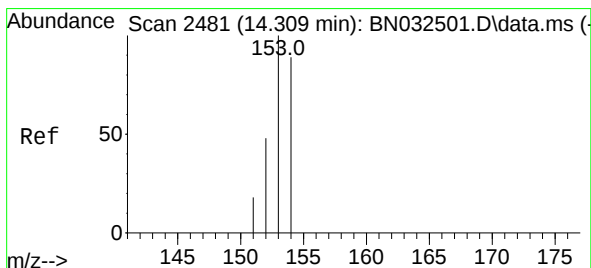
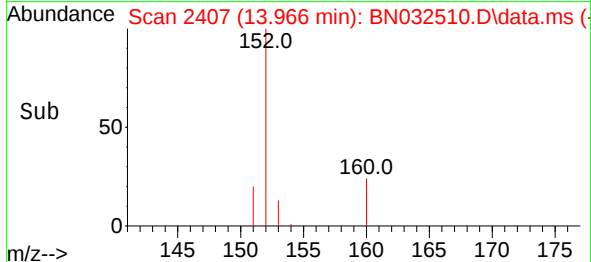
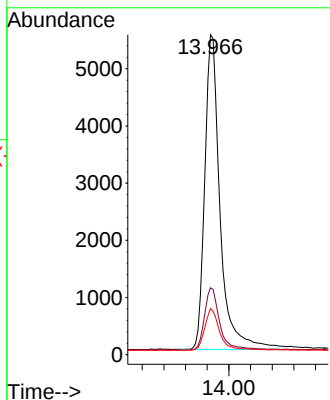


#10  
Acenaphthylene  
Concen: 0.395 ng/ul  
RT: 13.966 min Scan# 2407  
Delta R.T. -0.005 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS671

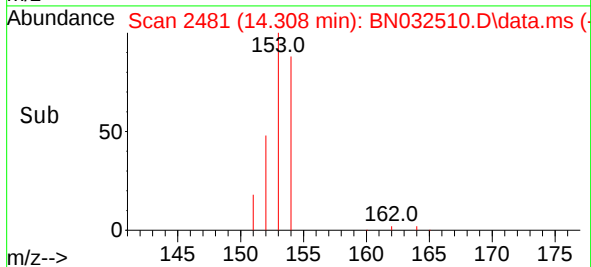
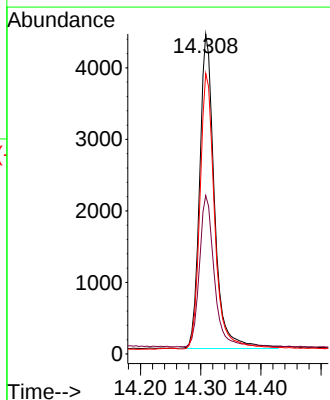
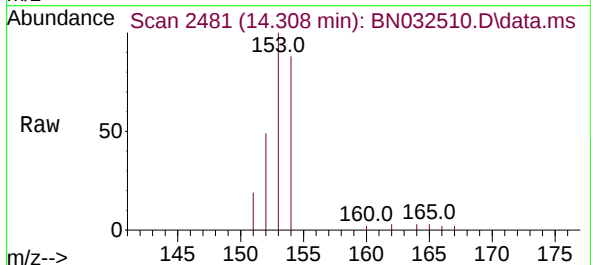


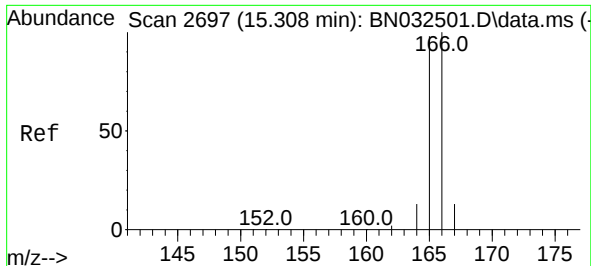
Tgt Ion:152 Resp: 10798  
Ion Ratio Lower Upper  
152 100  
151 20.9 15.7 23.5  
153 14.5 10.9 16.3



#11  
Acenaphthene  
Concen: 0.354 ng/ul  
RT: 14.308 min Scan# 2481  
Delta R.T. -0.005 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

Tgt Ion:153 Resp: 7507  
Ion Ratio Lower Upper  
153 100  
152 49.5 39.5 59.3  
154 87.7 71.7 107.5

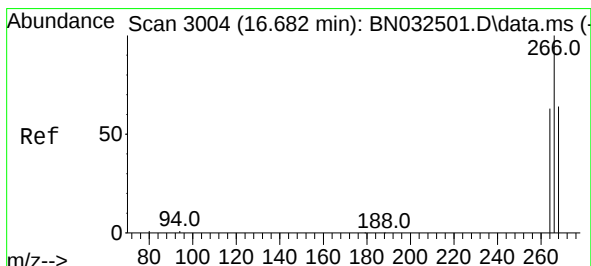
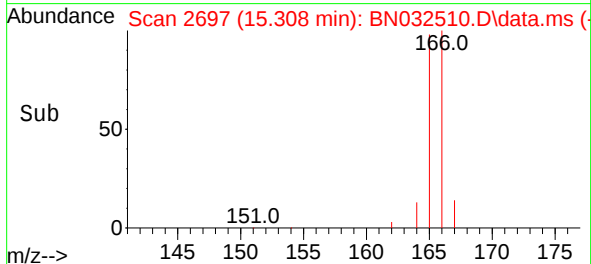
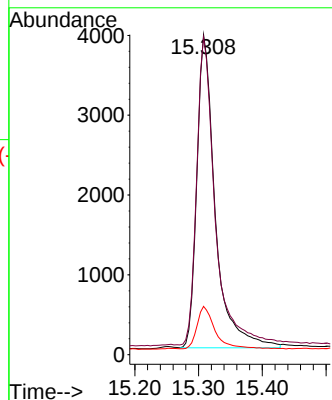
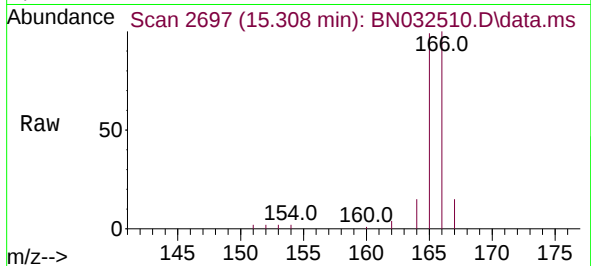




#12  
 Fluorene  
 Concen: 0.312 ng/ul  
 RT: 15.308 min Scan# 2697  
 Delta R.T. -0.005 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

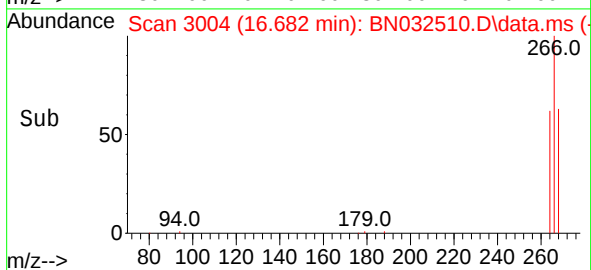
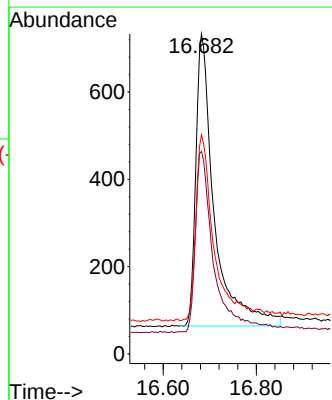
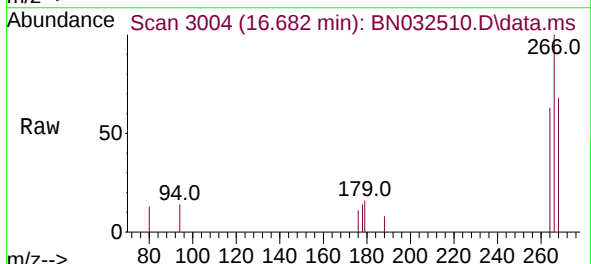
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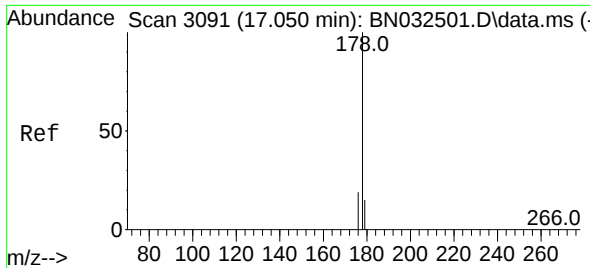
Tgt Ion:166 Resp: 7868  
 Ion Ratio Lower Upper  
 166 100  
 165 99.2 79.0 118.6  
 167 15.1 11.0 16.6



#14  
 Pentachlorophenol  
 Concen: 0.682 ng/ul  
 RT: 16.682 min Scan# 3004  
 Delta R.T. 0.008 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

Tgt Ion:266 Resp: 1839  
 Ion Ratio Lower Upper  
 266 100  
 264 61.8 49.9 74.9  
 268 66.2 52.4 78.6

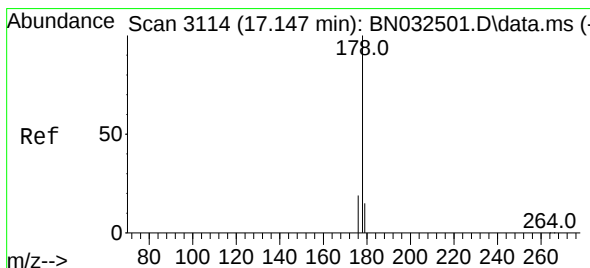
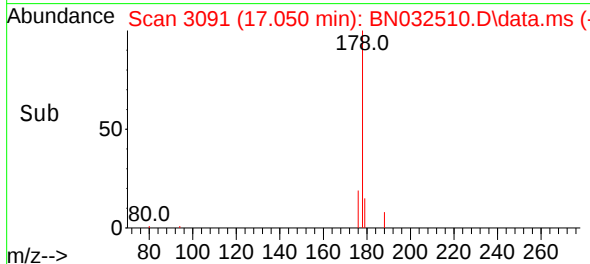
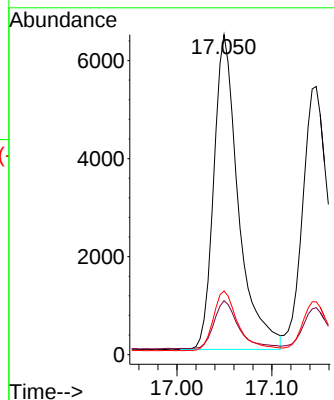
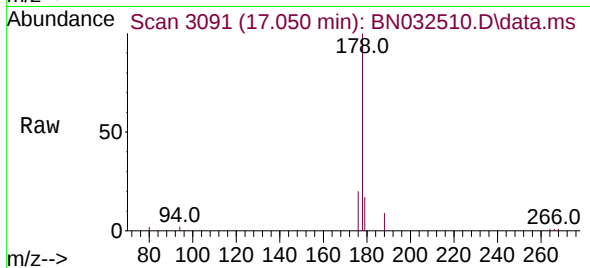




#15  
Phenanthrene  
Concen: 0.355 ng/ul  
RT: 17.050 min Scan# 3091  
Delta R.T. -0.000 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

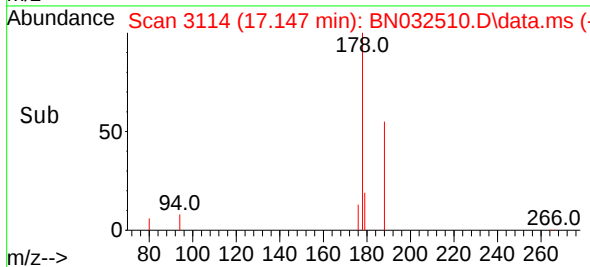
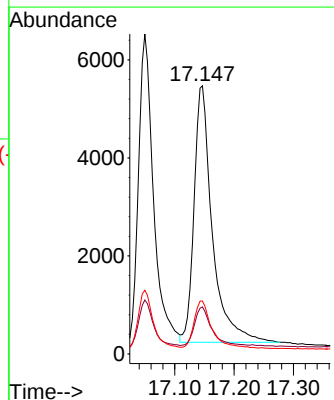
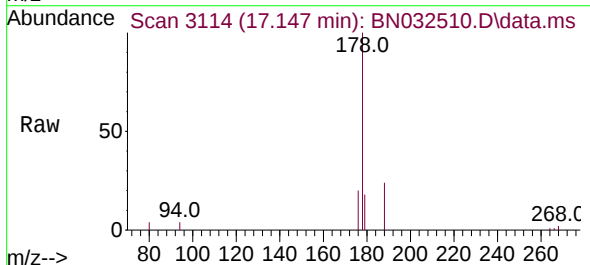
Instrument :  
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ClientSampleId :  
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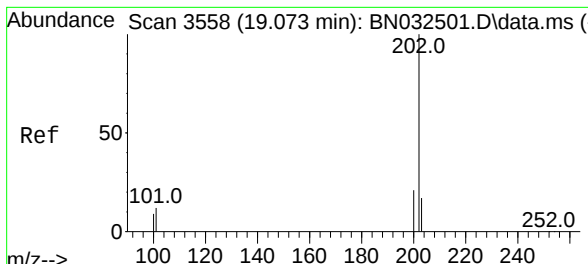
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 11593     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 16.8  | 12.6 18.8 |
| 176         | 19.9  | 15.6 23.4 |



#16  
Anthracene  
Concen: 0.384 ng/ul  
RT: 17.147 min Scan# 3114  
Delta R.T. 0.004 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 11185     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 17.6  | 12.5 18.7 |
| 176         | 19.7  | 15.0 22.6 |

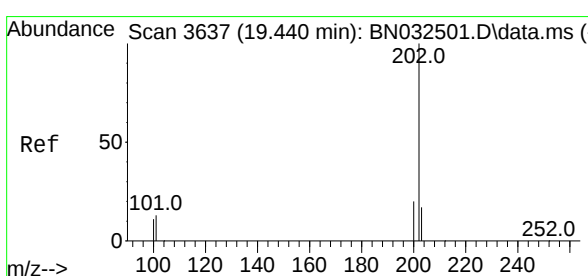
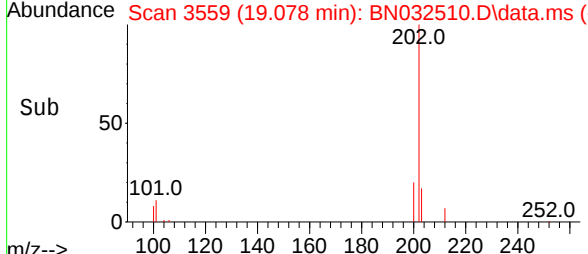
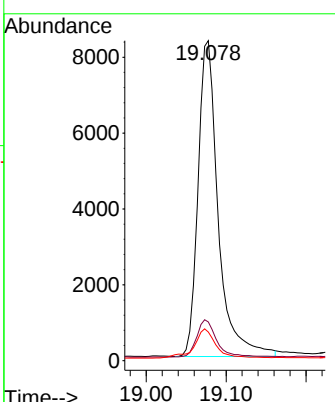
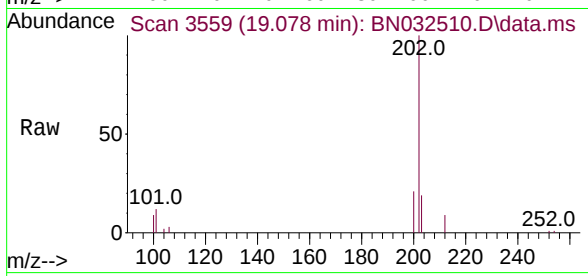




#19  
 Fluoranthene  
 Concen: 0.330 ng/ul  
 RT: 19.078 min Scan# 3558  
 Delta R.T. 0.004 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

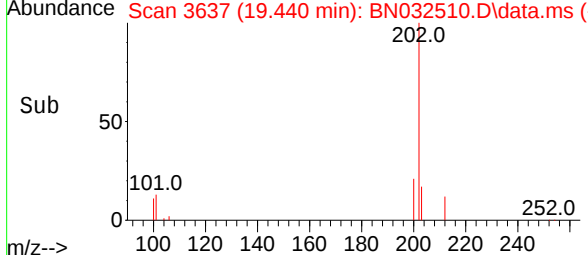
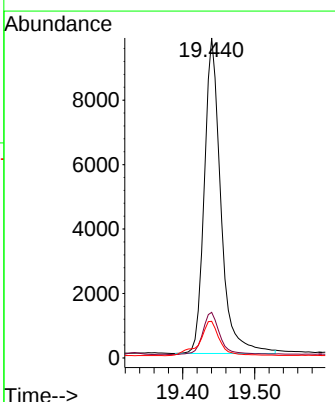
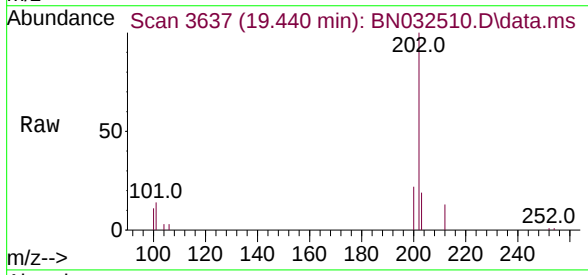
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS671

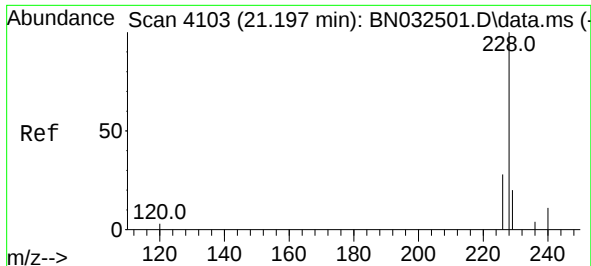
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 14622 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.1  | 8.8   | 13.2  |
| 100       | 8.9   | 6.4   | 9.6   |



#20  
 Pyrene  
 Concen: 0.337 ng/ul  
 RT: 19.440 min Scan# 3637  
 Delta R.T. -0.000 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 15611 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.2  | 11.0  | 16.4  |
| 100       | 11.4  | 8.7   | 13.1  |

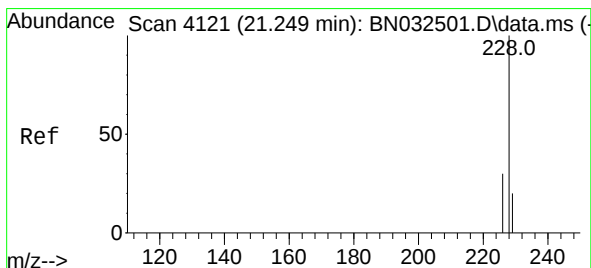
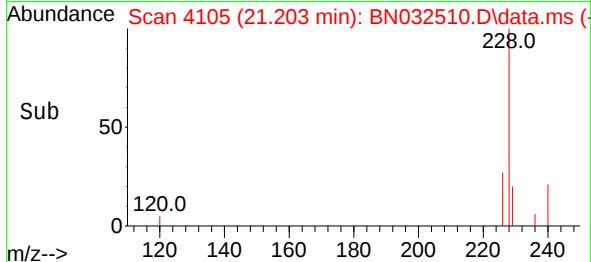
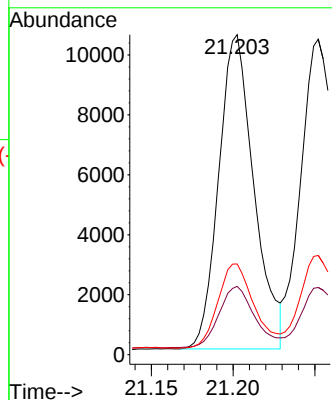
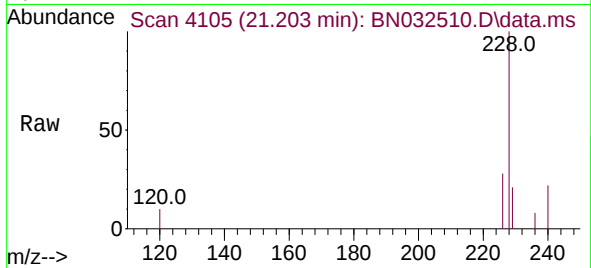




#21  
Benzo(a)anthracene  
Concen: 0.375 ng/ul  
RT: 21.203 min Scan# 4105  
Delta R.T. 0.012 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

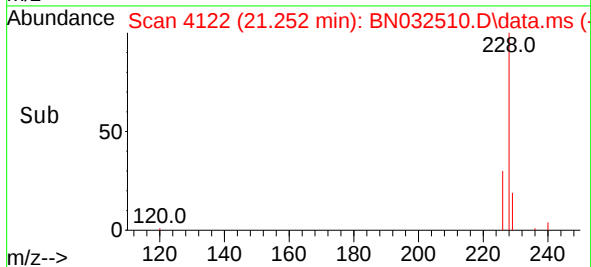
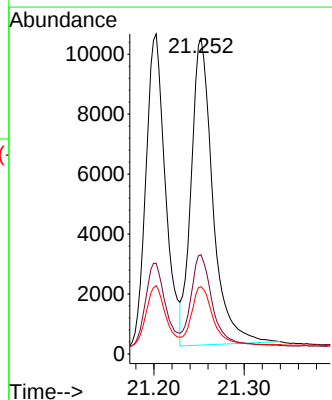
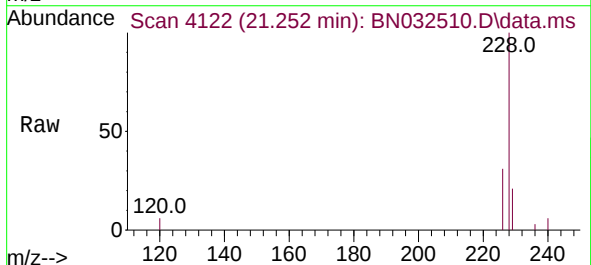
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS671

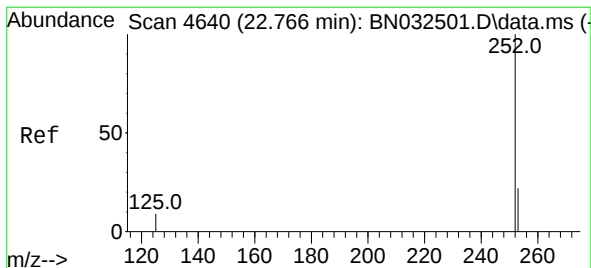
Tgt Ion:228 Resp: 15757  
Ion Ratio Lower Upper  
228 100  
229 21.3 15.7 23.5  
226 28.3 21.8 32.8



#22  
Chrysene  
Concen: 0.369 ng/ul  
RT: 21.252 min Scan# 4122  
Delta R.T. 0.009 min  
Lab File: BN032510.D  
Acq: 05 Jul 2024 15:15

Tgt Ion:228 Resp: 17021  
Ion Ratio Lower Upper  
228 100  
226 31.4 23.6 35.4  
229 21.3 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 0.305 ng/ul

RT: 22.766 min Scan# 4640

Delta R.T. 0.009 min

Lab File: BN032510.D

Acq: 05 Jul 2024 15:15

Instrument :

BNA\_N

ClientSampleId :

SLCS671

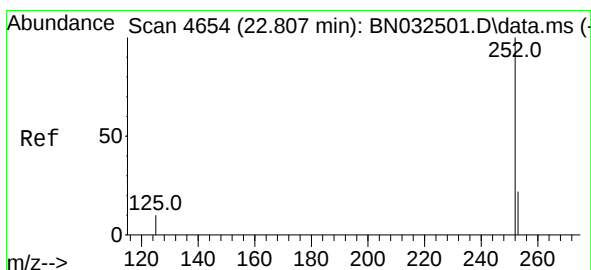
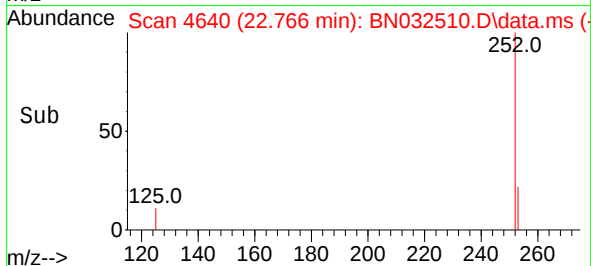
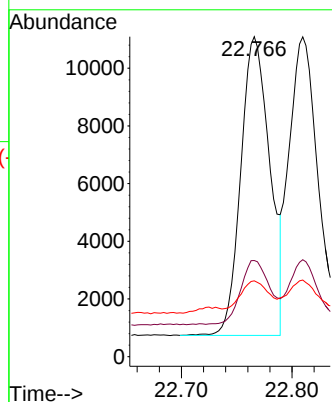
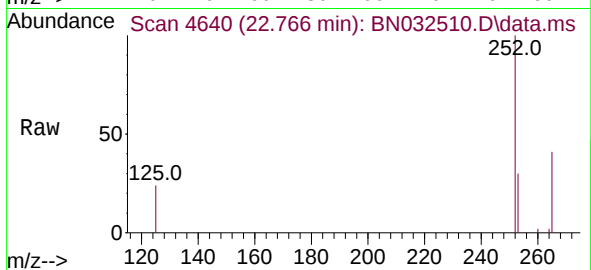
Tgt Ion:252 Resp: 18920

Ion Ratio Lower Upper

252 100

253 30.0 0.0 50.2

125 23.7 0.0 32.0



#25

Benzo(k)fluoranthene

Concen: 0.310 ng/ul

RT: 22.810 min Scan# 4655

Delta R.T. 0.009 min

Lab File: BN032510.D

Acq: 05 Jul 2024 15:15

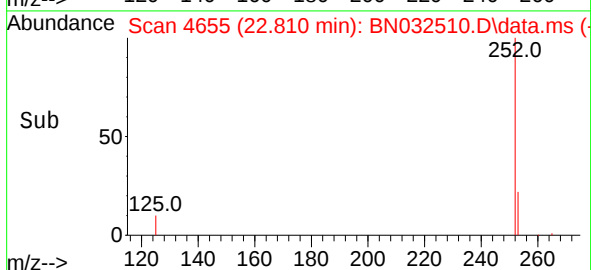
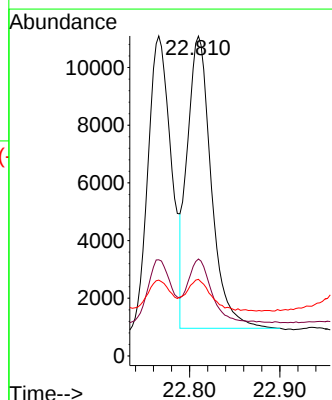
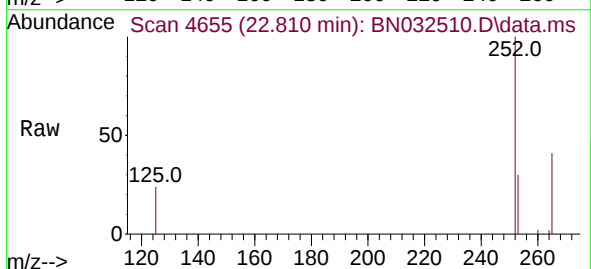
Tgt Ion:252 Resp: 18725

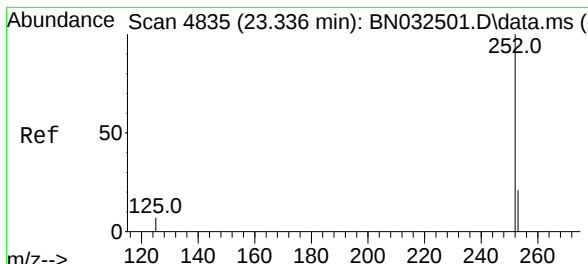
Ion Ratio Lower Upper

252 100

253 30.3 20.3 30.5

125 24.0 12.8 19.2#

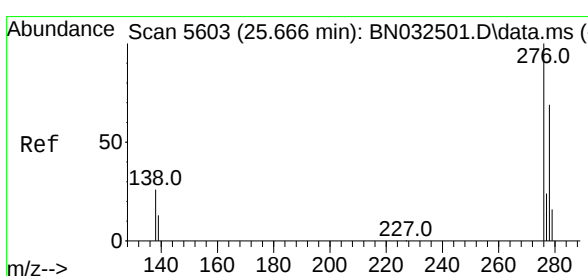
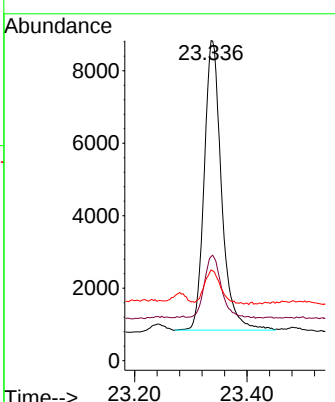
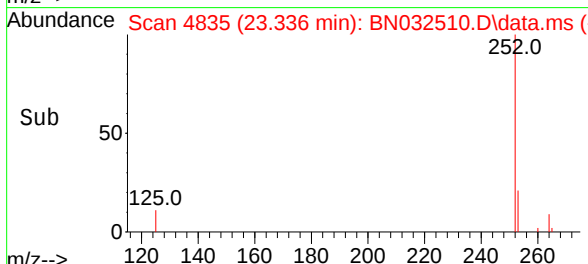
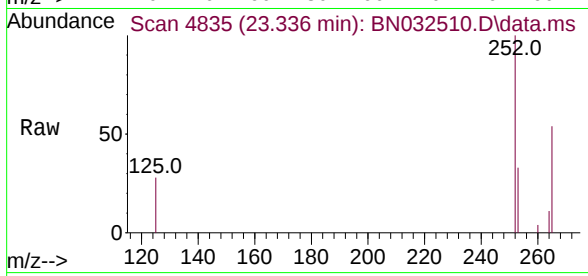




#26  
 Benzo(a)pyrene  
 Concen: 0.395 ng/ul  
 RT: 23.336 min Scan# 4835  
 Delta R.T. 0.009 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

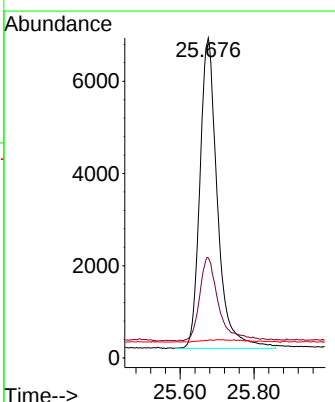
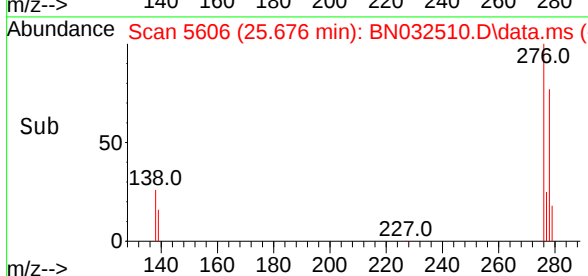
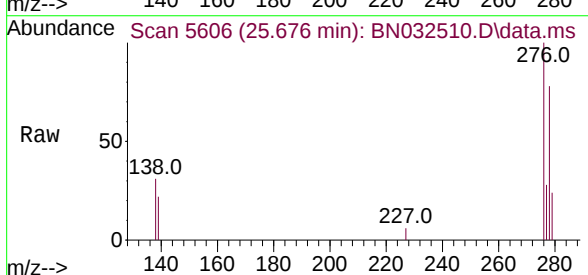
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS671

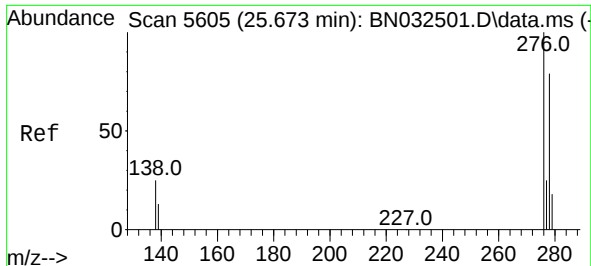
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 17065 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 32.5  | 22.2  | 33.2  |
| 125       | 28.4  | 16.4  | 24.6  |



#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.328 ng/ul  
 RT: 25.676 min Scan# 5606  
 Delta R.T. 0.017 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

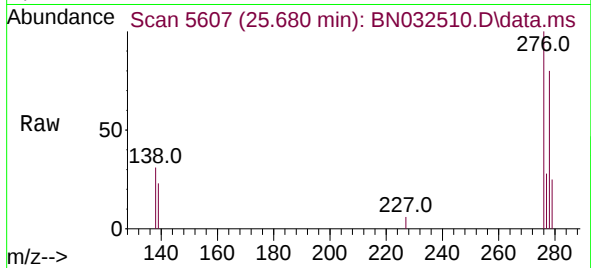
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 22210 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 28.8  | 21.3  | 31.9  |
| 227       | 0.1   | 0.1   | 0.1   |



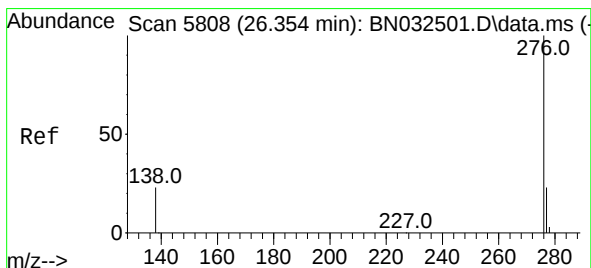
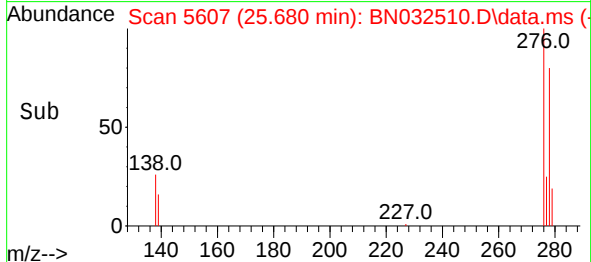
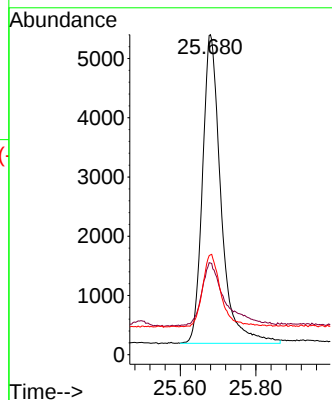


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.352 ng/ul  
 RT: 25.680 min Scan# 5607  
 Delta R.T. 0.013 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS671



Tgt Ion:278 Resp: 17705  
 Ion Ratio Lower Upper  
 278 100  
 139 28.7 15.9 23.9#  
 279 31.2 21.1 31.7



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.331 ng/ul  
 RT: 26.360 min Scan# 5810  
 Delta R.T. 0.017 min  
 Lab File: BN032510.D  
 Acq: 05 Jul 2024 15:15

Tgt Ion:276 Resp: 17857  
 Ion Ratio Lower Upper  
 276 100  
 138 29.0 19.8 29.6  
 277 28.1 19.8 29.6

