

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021124\  
 Data File : BN029702.D  
 Acq On : 12 Feb 2024 02:10  
 Operator : MA/JU  
 Sample : PB158920BS  
 Misc :  
 ALS Vial : 96 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS920

Quant Time: Feb 12 02:42:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Feb 11 23:18:17 2024  
 Response via : Initial Calibration

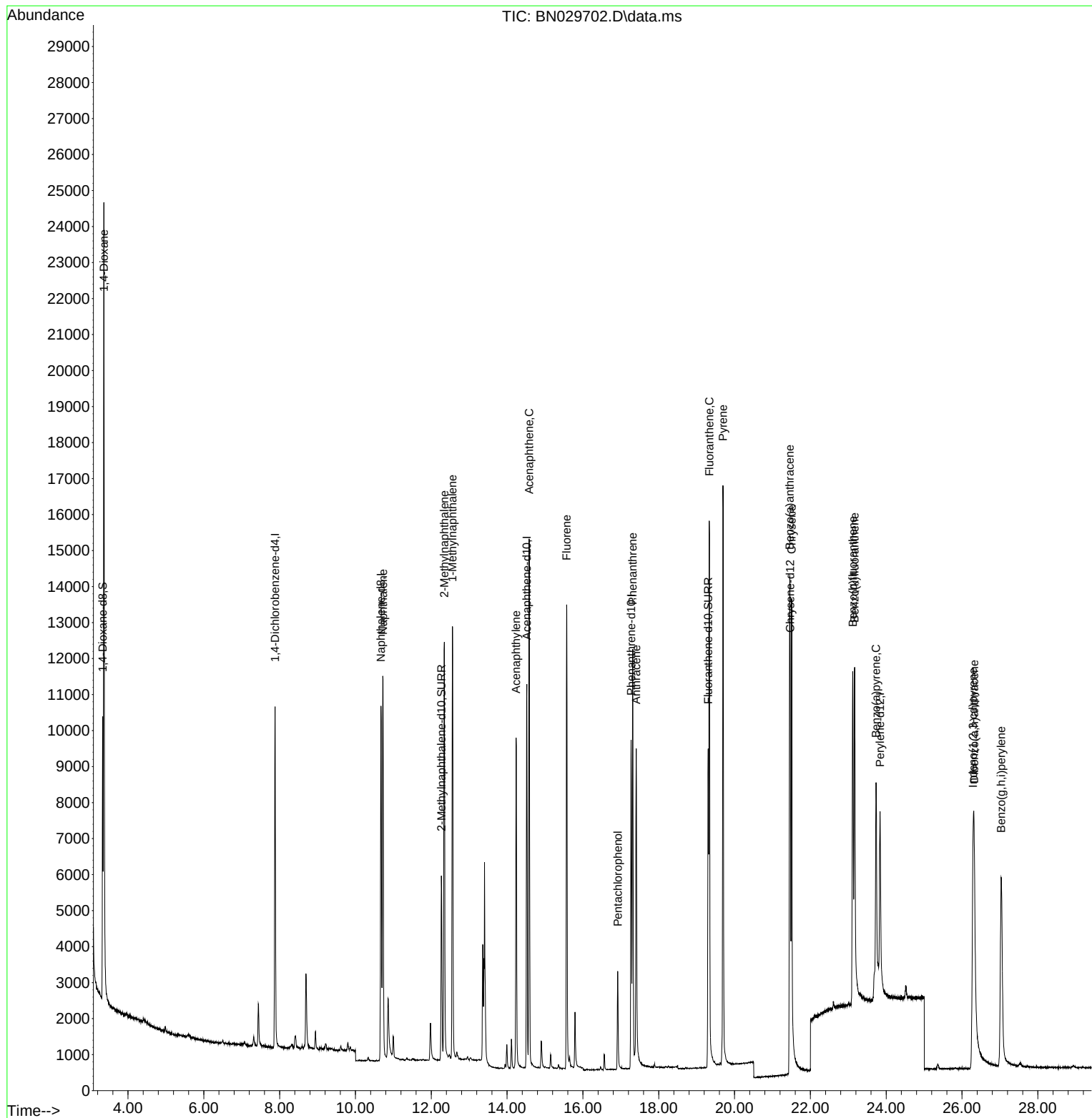
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.880  | 152  | 5199     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.672 | 136  | 14022    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.520 | 164  | 6047     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.272 | 188  | 10885    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.469 | 240  | 7935     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.839 | 264  | 7828     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.332  | 96   | 4933     | 0.761 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.267 | 152  | 7009     | 0.393 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.304 | 212  | 10230    | 0.392 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.366  | 88   | 15494    | 2.195 | ng/ul# | 87       |
| 5) Naphthalene              | 10.727 | 128  | 15529    | 0.394 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.344 | 142  | 8720     | 0.385 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.559 | 142  | 8644     | 0.375 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.238 | 152  | 11331    | 0.384 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.581 | 153  | 8761     | 0.391 | ng/ul  | 98       |
| 12) Fluorene                | 15.571 | 166  | 8982     | 0.383 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.917 | 266  | 1982     | 0.816 | ng/ul# | 50       |
| 15) Phenanthrene            | 17.314 | 178  | 13181    | 0.388 | ng/ul  | 99       |
| 16) Anthracene              | 17.407 | 178  | 11085    | 0.387 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.332 | 202  | 13977    | 0.383 | ng/ul  | 99       |
| 20) Pyrene                  | 19.694 | 202  | 14438    | 0.387 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.454 | 228  | 11488    | 0.402 | ng/ul  | 99       |
| 22) Chrysene                | 21.507 | 228  | 13084    | 0.418 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.117 | 252  | 12968    | 0.440 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.167 | 252  | 14107    | 0.432 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.734 | 252  | 11721    | 0.423 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.290 | 276  | 14495    | 0.431 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.320 | 278  | 11217    | 0.425 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.031 | 276  | 13418    | 0.440 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

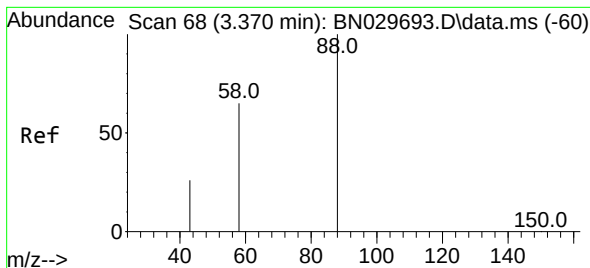
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021124\  
Data File : BN029702.D  
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Misc :  
ALS Vial : 96 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Feb 11 23:18:17 2024  
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#2

1,4-Dioxane

Concen: 2.195 ng/ul

RT: 3.366 min Scan# 61

Delta R.T. -0.004 min

Lab File: BN029702.D

Acq: 12 Feb 2024 02:10

Instrument :

BNA\_N

ClientSampleId :

SLCS920

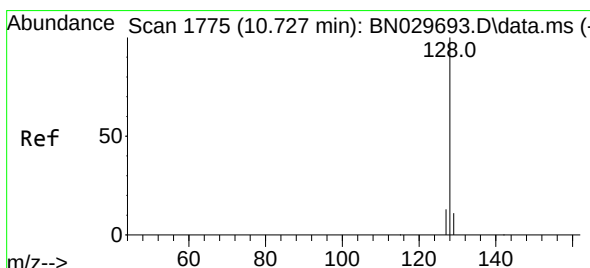
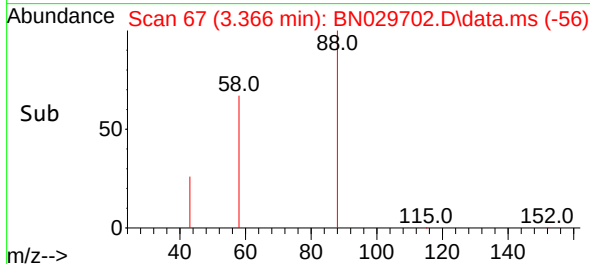
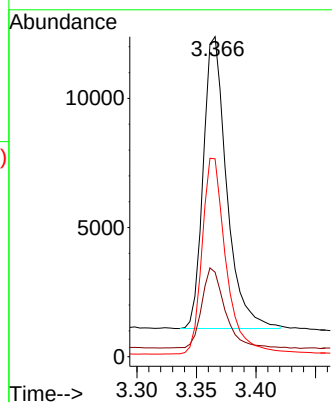
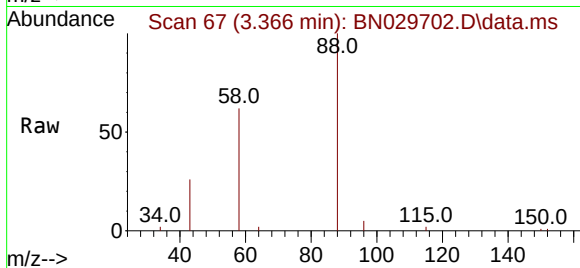
Tgt Ion: 88 Resp: 15494

Ion Ratio Lower Upper

88 100

43 26.4 21.8 32.6

58 61.8 39.3 58.9#



#5

Naphthalene

Concen: 0.394 ng/ul

RT: 10.727 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BN029702.D

Acq: 12 Feb 2024 02:10

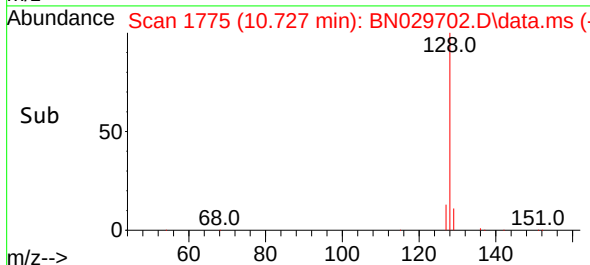
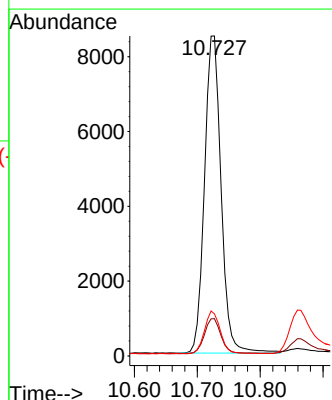
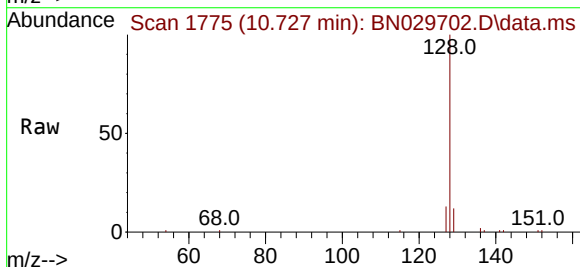
Tgt Ion:128 Resp: 15529

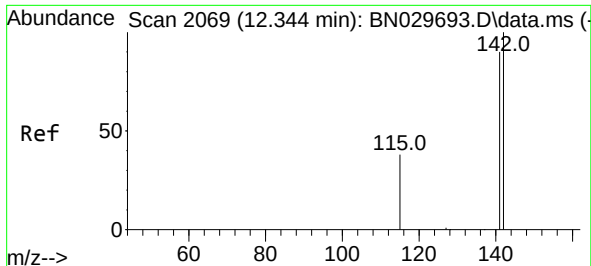
Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

127 13.2 11.0 16.6

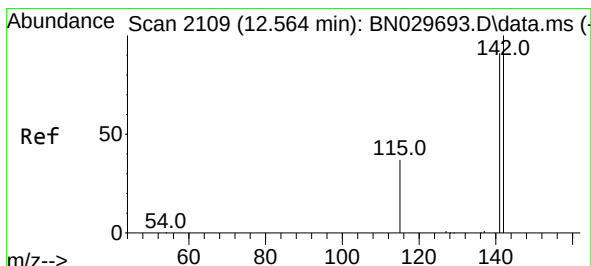
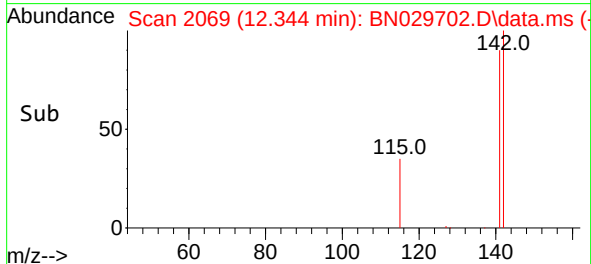
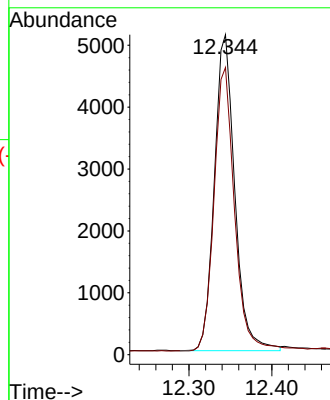
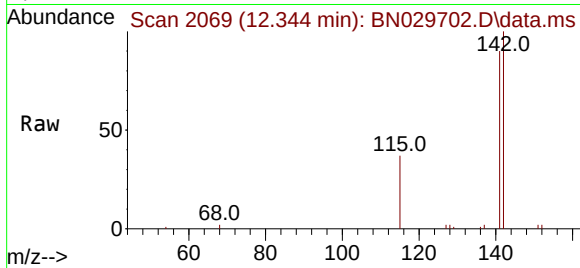




#7  
2-Methylnaphthalene  
Concen: 0.385 ng/ul  
RT: 12.344 min Scan# 2069  
Delta R.T. 0.000 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

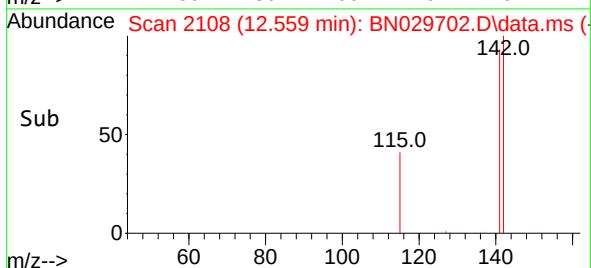
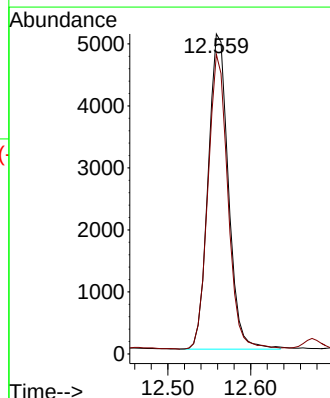
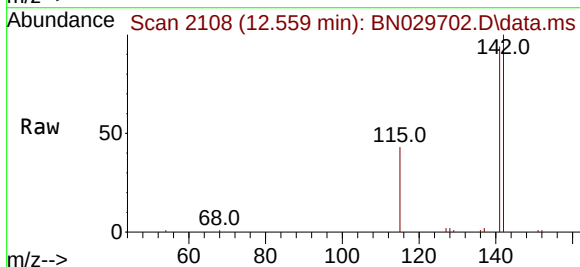
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS920

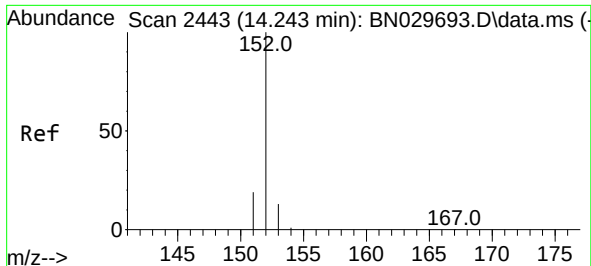
Tgt Ion:142 Resp: 8720  
Ion Ratio Lower Upper  
142 100  
141 90.5 71.5 107.3



#8  
1-Methylnaphthalene  
Concen: 0.375 ng/ul  
RT: 12.559 min Scan# 2108  
Delta R.T. -0.005 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Tgt Ion:142 Resp: 8644  
Ion Ratio Lower Upper  
142 100  
141 91.8 73.9 110.9

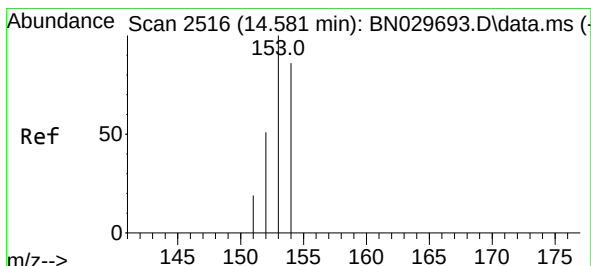
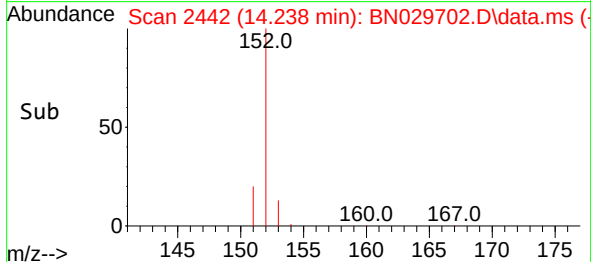
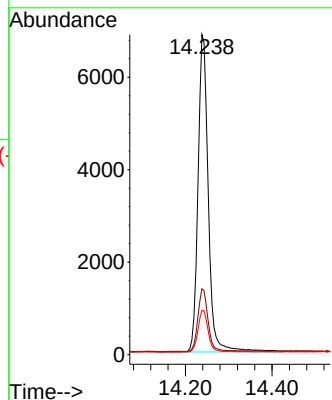
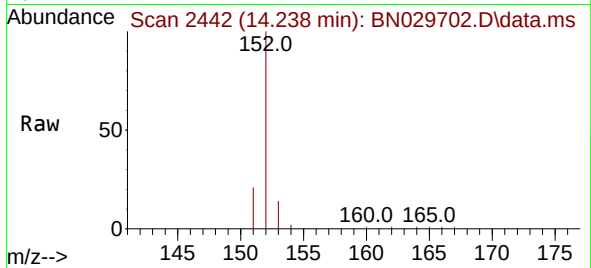




#10  
Acenaphthylene  
Concen: 0.384 ng/ul  
RT: 14.238 min Scan# 2442  
Delta R.T. -0.005 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

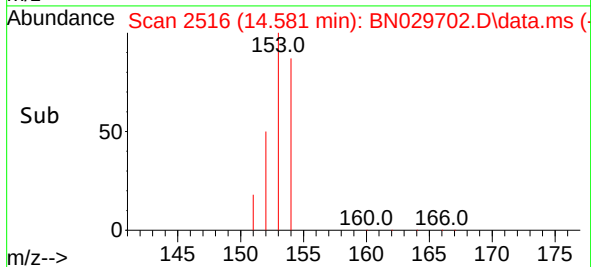
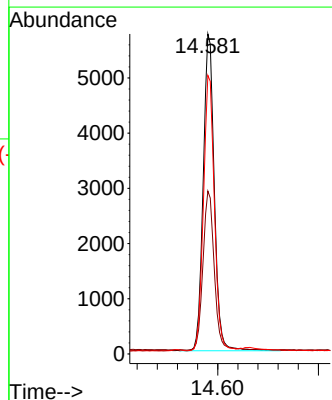
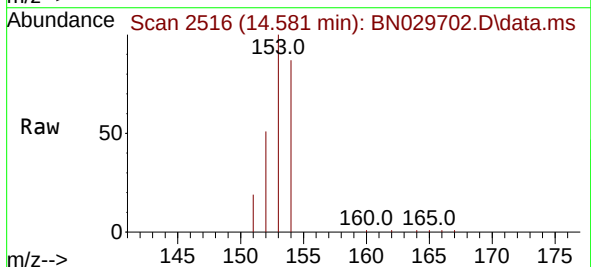
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS920

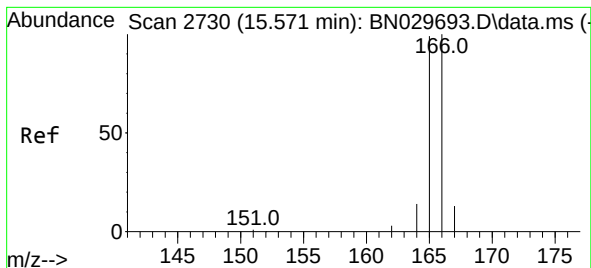
Tgt Ion:152 Resp: 11331  
Ion Ratio Lower Upper  
152 100  
151 20.6 15.8 23.8  
153 13.8 10.9 16.3



#11  
Acenaphthene  
Concen: 0.391 ng/ul  
RT: 14.581 min Scan# 2516  
Delta R.T. -0.005 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Tgt Ion:153 Resp: 8761  
Ion Ratio Lower Upper  
153 100  
152 50.9 41.5 62.3  
154 87.0 70.9 106.3





#12

Fluorene

Concen: 0.383 ng/ul

RT: 15.571 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN029702.D

Acq: 12 Feb 2024 02:10

Instrument :

BNA\_N

ClientSampleId :

SLCS920

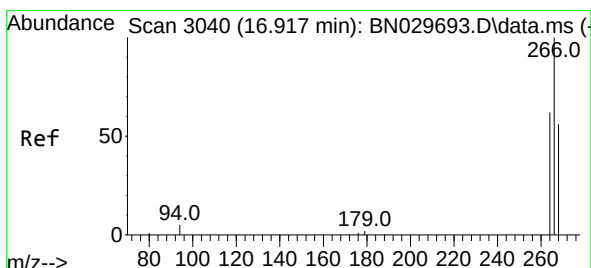
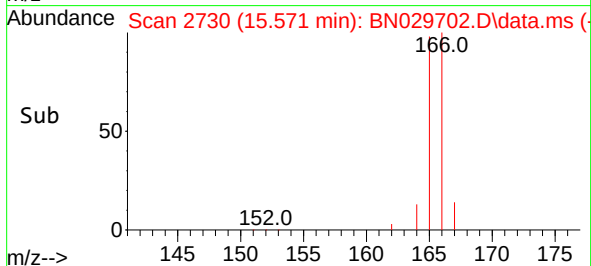
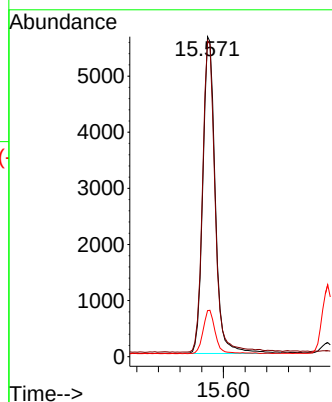
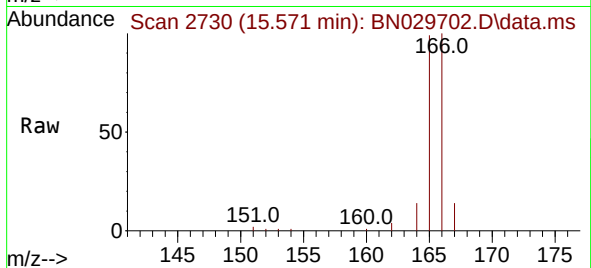
Tgt Ion:166 Resp: 8982

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

167 14.4 11.5 17.3



#14

Pentachlorophenol

Concen: 0.816 ng/ul

RT: 16.917 min Scan# 3040

Delta R.T. -0.004 min

Lab File: BN029702.D

Acq: 12 Feb 2024 02:10

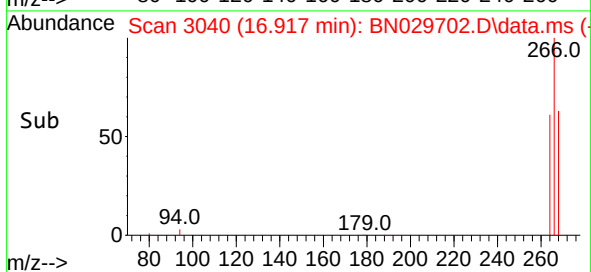
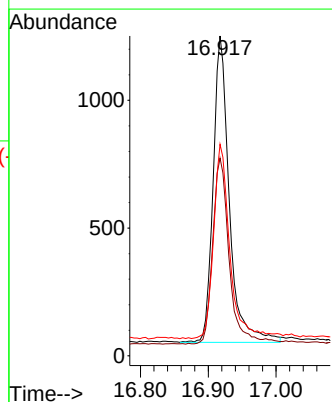
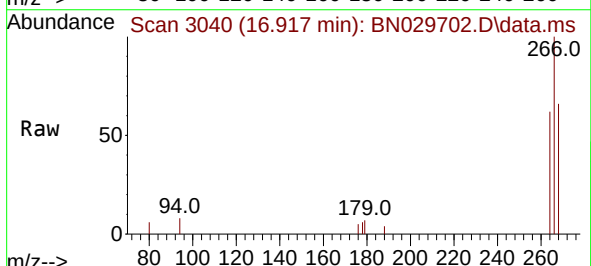
Tgt Ion:266 Resp: 1982

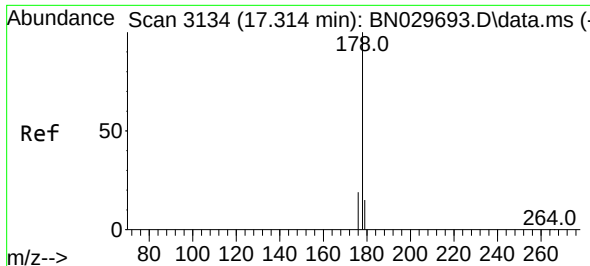
Ion Ratio Lower Upper

266 100

264 61.7 0.0 0.0#

268 64.0 0.2 0.2#

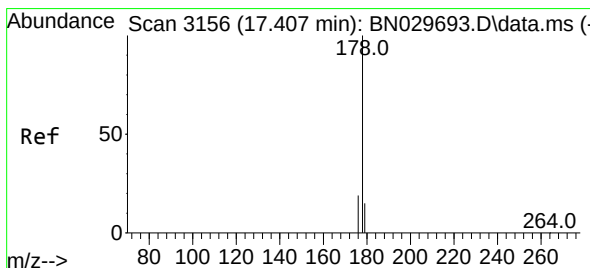
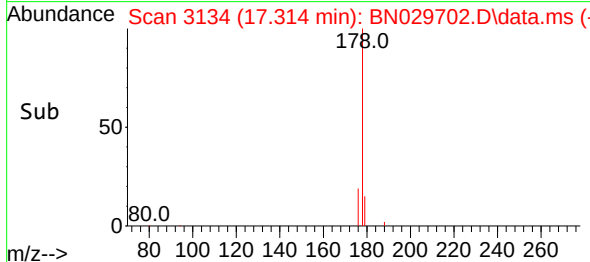
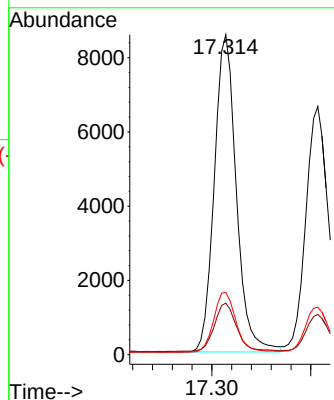
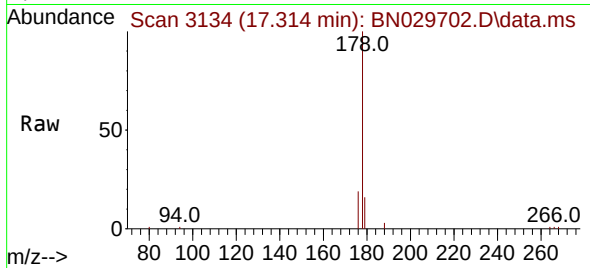




#15  
Phenanthrene  
Concen: 0.388 ng/u1  
RT: 17.314 min Scan# 3134  
Delta R.T. 0.000 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

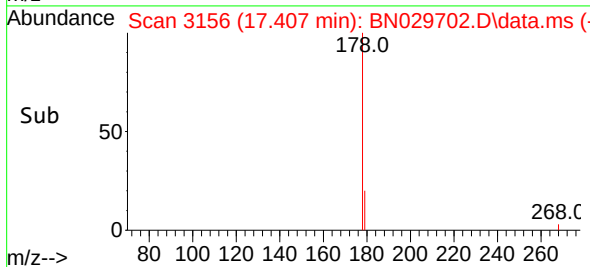
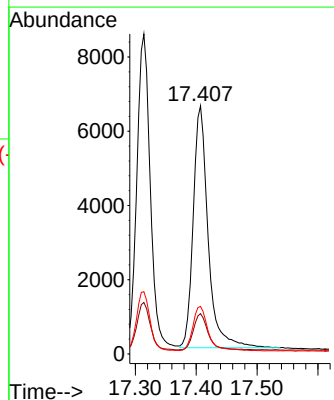
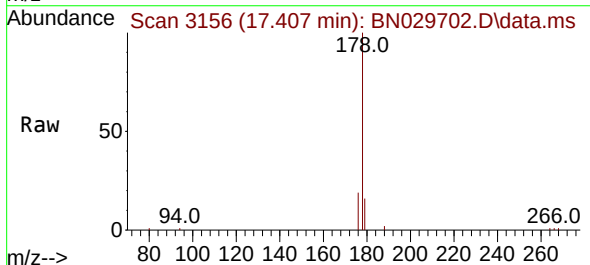
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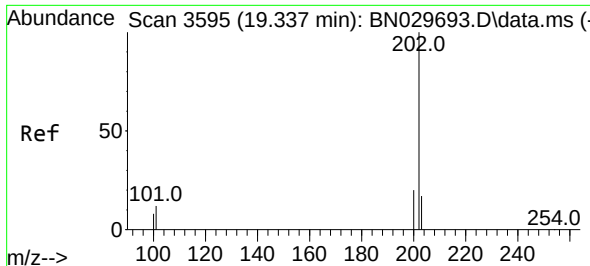
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|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 13181 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.1  | 12.6  | 18.8  |
| 176       | 19.5  | 15.7  | 23.5  |



#16  
Anthracene  
Concen: 0.387 ng/u1  
RT: 17.407 min Scan# 3156  
Delta R.T. 0.000 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 11085 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.3  | 12.9  | 19.3  |
| 176       | 19.2  | 15.8  | 23.8  |

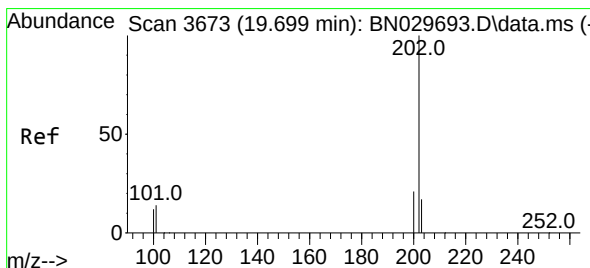
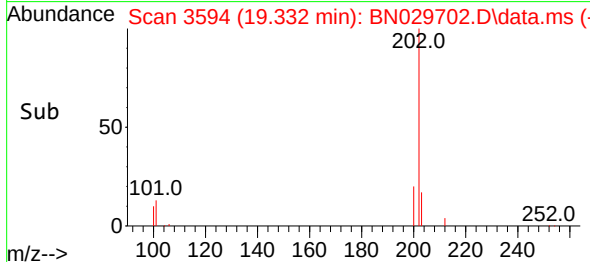
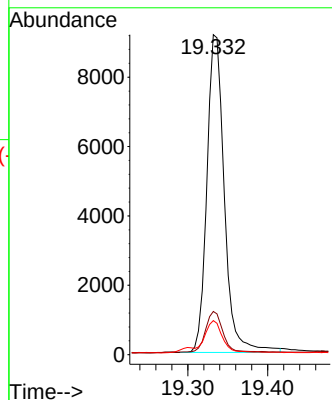
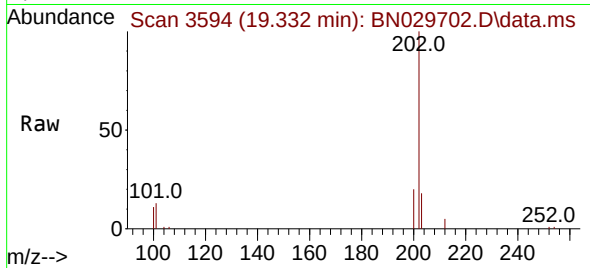




#19  
Fluoranthene  
Concen: 0.383 ng/ul  
RT: 19.332 min Scan# 3594  
Delta R.T. -0.005 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

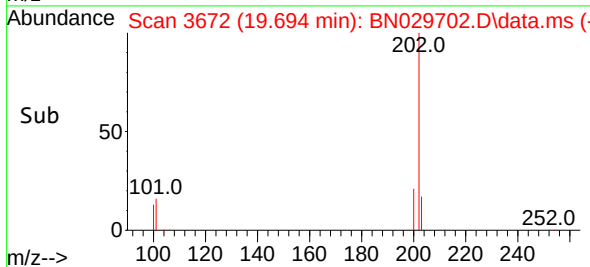
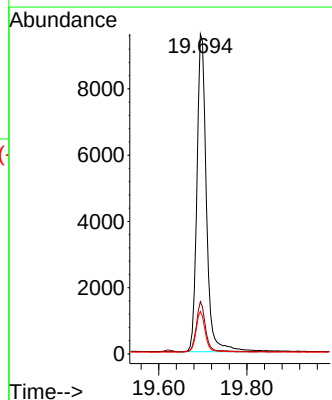
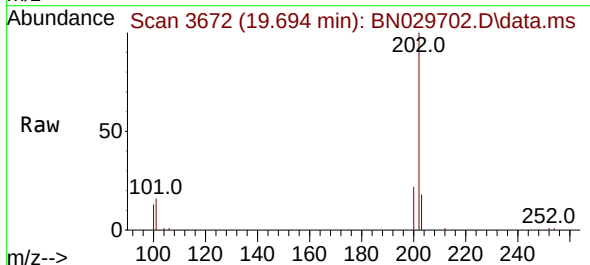
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS920

Tgt Ion:202 Resp: 13977  
Ion Ratio Lower Upper  
202 100  
101 13.5 10.4 15.6  
100 10.6 8.5 12.7

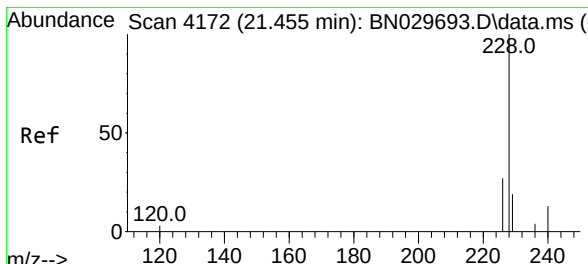


#20  
Pyrene  
Concen: 0.387 ng/ul  
RT: 19.694 min Scan# 3672  
Delta R.T. -0.005 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Tgt Ion:202 Resp: 14438  
Ion Ratio Lower Upper  
202 100  
101 16.3 12.5 18.7  
100 13.3 10.0 15.0





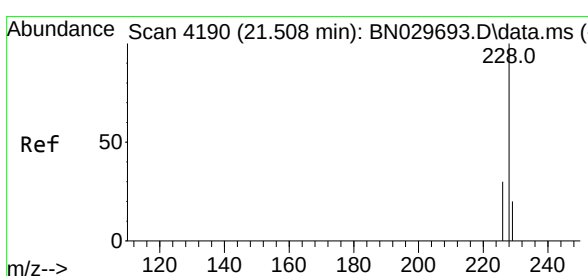
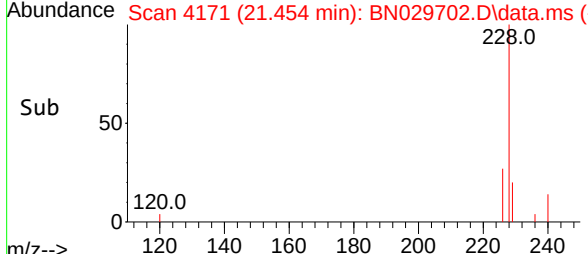
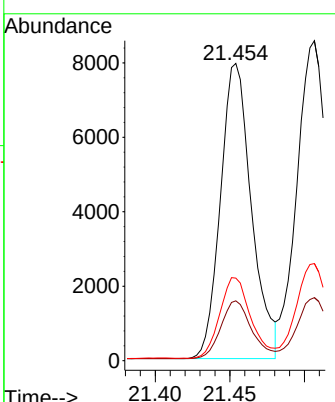
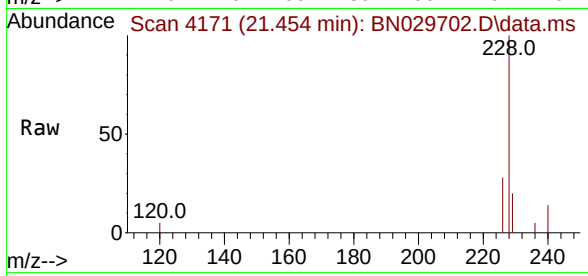


#21  
 Benzo(a)anthracene  
 Concen: 0.402 ng/ul  
 RT: 21.454 min Scan# 4172  
 Delta R.T. -0.003 min  
 Lab File: BN029702.D  
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Instrument :  
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Tgt Ion:228 Resp: 11488

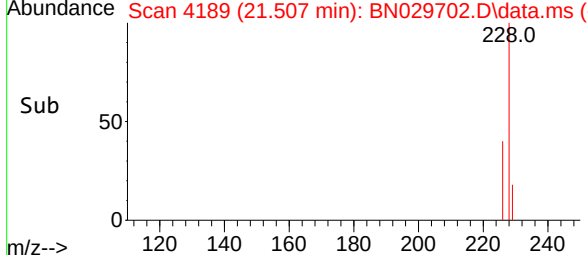
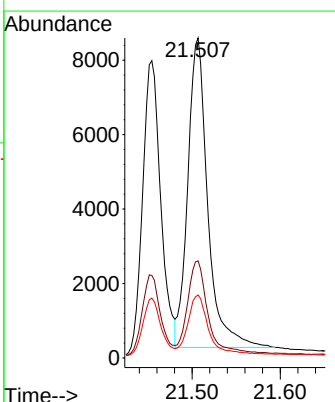
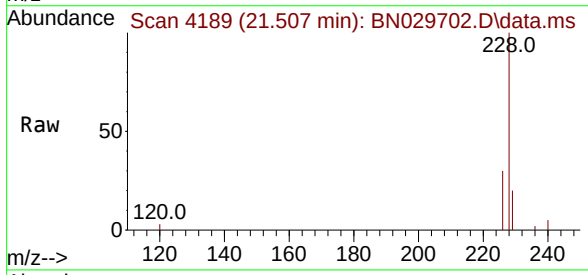
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 20.1  | 15.7  | 23.5  |
| 226 | 27.7  | 22.2  | 33.4  |

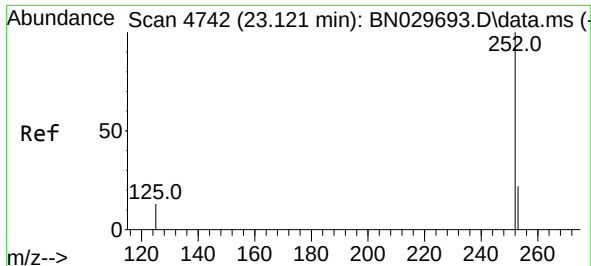


#22  
 Chrysene  
 Concen: 0.418 ng/ul  
 RT: 21.507 min Scan# 4189  
 Delta R.T. -0.003 min  
 Lab File: BN029702.D  
 Acq: 12 Feb 2024 02:10

Tgt Ion:228 Resp: 13084

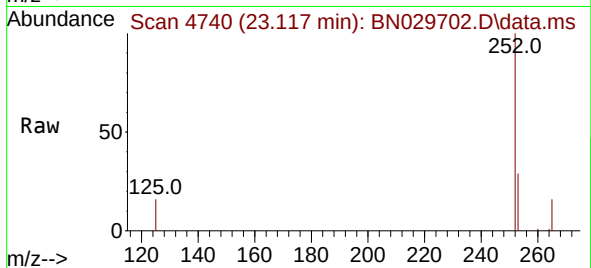
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.3  | 24.2  | 36.2  |
| 229 | 19.7  | 15.7  | 23.5  |



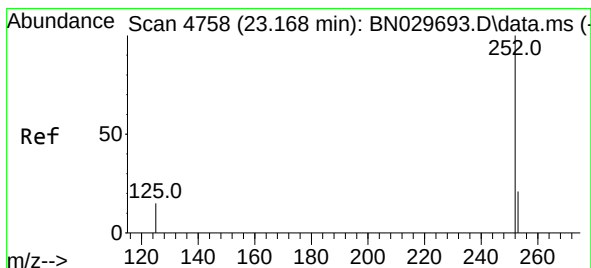
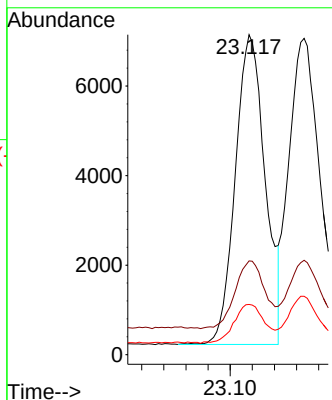


#24  
Benzo(b)fluoranthene  
Concen: 0.440 ng/ul  
RT: 23.117 min Scan# 4742  
Delta R.T. -0.003 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS920

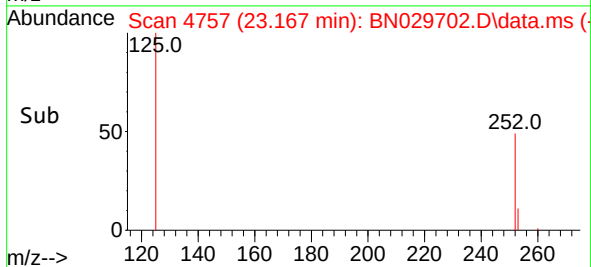
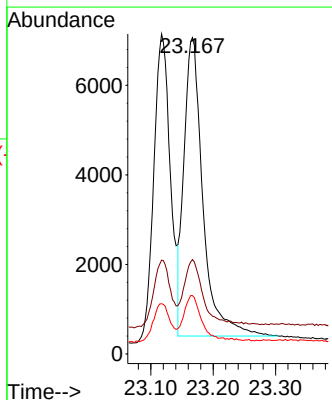
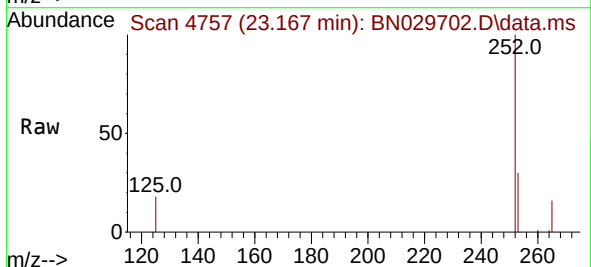


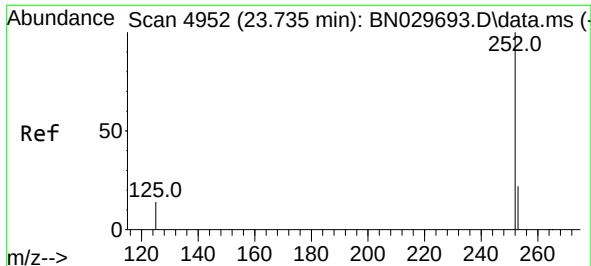
Tgt Ion:252 Resp: 12968  
Ion Ratio Lower Upper  
252 100  
253 29.3 0.0 56.8  
125 15.7 0.0 32.4



#25  
Benzo(k)fluoranthene  
Concen: 0.432 ng/ul  
RT: 23.167 min Scan# 4757  
Delta R.T. -0.003 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

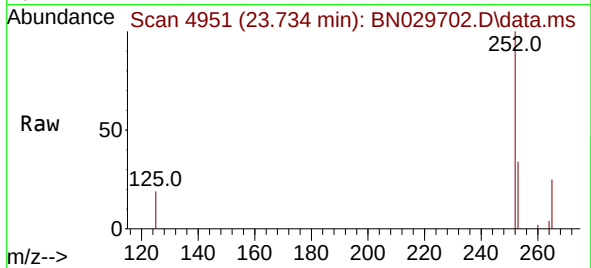
Tgt Ion:252 Resp: 14107  
Ion Ratio Lower Upper  
252 100  
253 29.8 22.6 33.8  
125 18.5 15.3 22.9



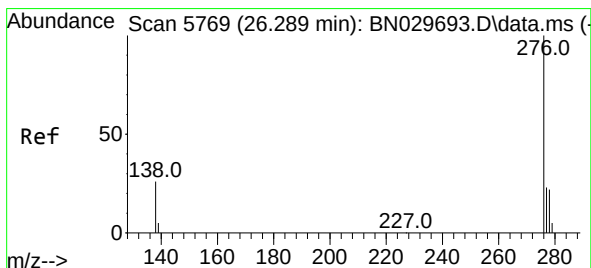
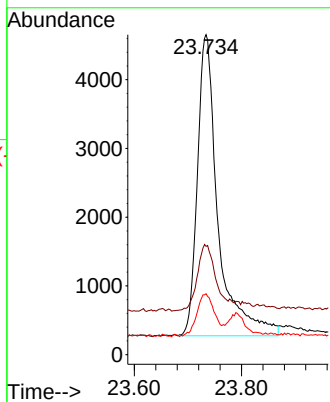
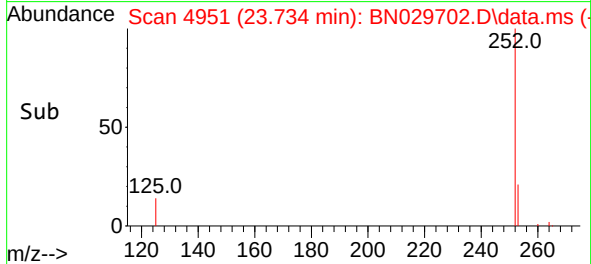


#26  
Benzo(a)pyrene  
Concen: 0.423 ng/ul  
RT: 23.734 min Scan# 4952  
Delta R.T. -0.003 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS920

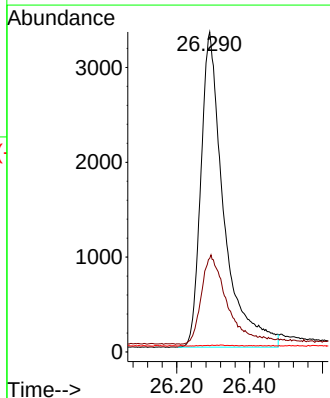
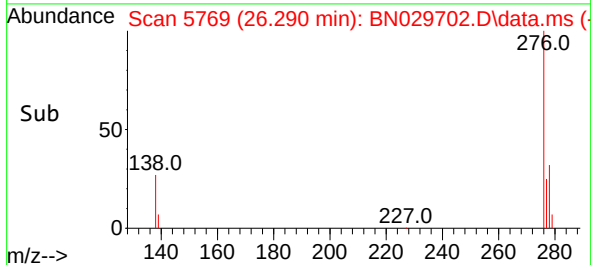
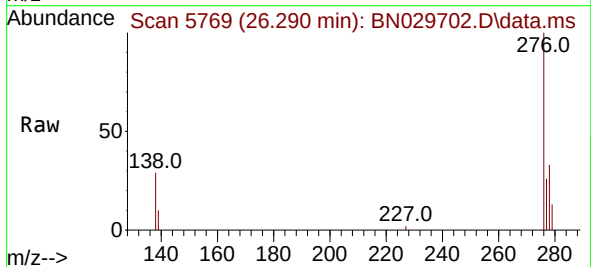


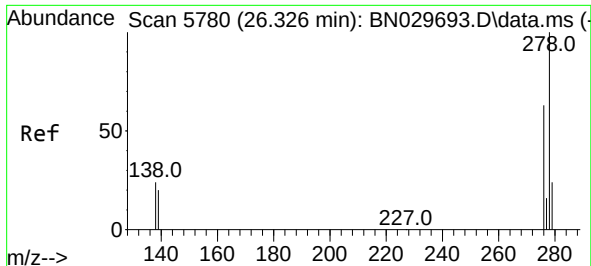
Tgt Ion:252 Resp: 11721  
Ion Ratio Lower Upper  
252 100  
253 33.9 25.4 38.0  
125 19.1 16.0 24.0



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.431 ng/ul  
RT: 26.290 min Scan# 5769  
Delta R.T. -0.003 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Tgt Ion:276 Resp: 14495  
Ion Ratio Lower Upper  
276 100  
138 32.5 0.0 0.0#  
227 0.0 0.0 0.0#

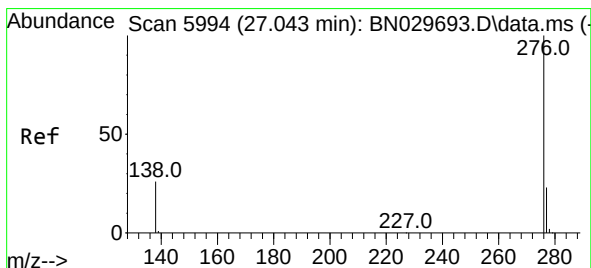
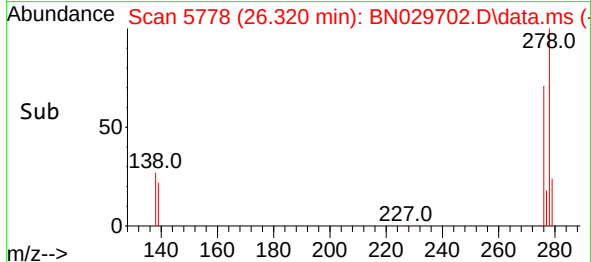
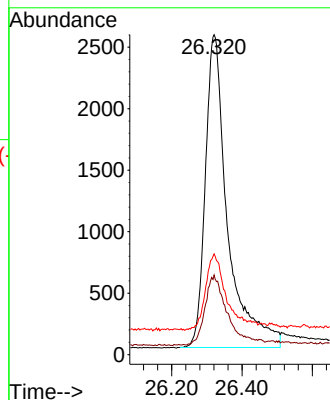
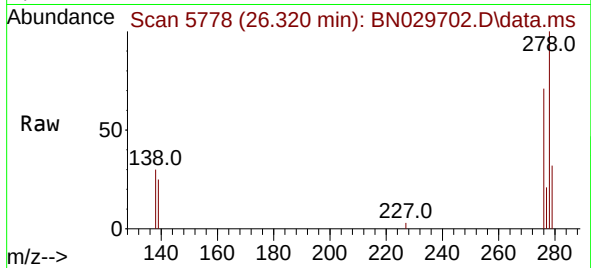




#28  
Dibenzo(a,h)anthracene  
Concen: 0.425 ng/ul  
RT: 26.320 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS920

Tgt Ion:278 Resp: 11217  
Ion Ratio Lower Upper  
278 100  
139 24.9 19.0 28.4  
279 31.5 22.6 34.0



#29  
Benzo(g,h,i)perylene  
Concen: 0.440 ng/ul  
RT: 27.031 min Scan# 5990  
Delta R.T. -0.013 min  
Lab File: BN029702.D  
Acq: 12 Feb 2024 02:10

Tgt Ion:276 Resp: 13418  
Ion Ratio Lower Upper  
276 100  
138 30.1 24.6 37.0  
277 25.5 19.7 29.5

