

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060923\  
 Data File : BN025773.D  
 Acq On : 09 Jun 2023 12:55  
 Operator : MA/JU  
 Sample : SST0.403  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST0.4218

Quant Time: Jun 10 01:44:59 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 10 01:44:09 2023  
 Response via : Initial Calibration

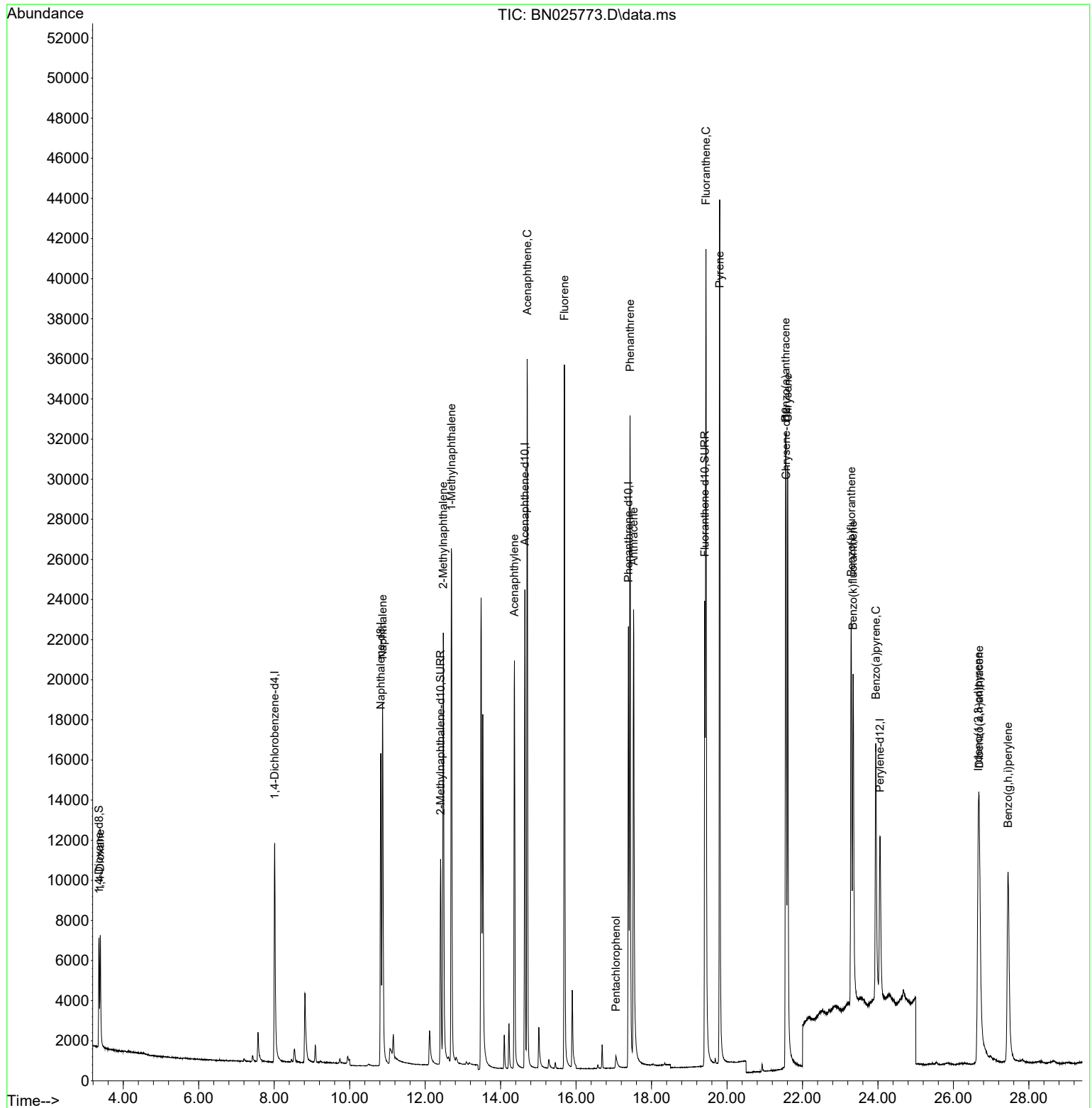
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.014  | 152  | 7615     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.825 | 136  | 23080    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.644 | 164  | 13365    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.389 | 188  | 27661    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.567 | 240  | 17414    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.054 | 264  | 14404    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.356  | 96   | 3844     | 0.513 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.409 | 152  | 14846    | 0.507 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.410 | 212  | 27921    | 0.508 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.390  | 88   | 4120     | 0.514 | ng/ul  | 100      |
| 5) Naphthalene              | 10.875 | 128  | 29211    | 0.498 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.480 | 142  | 17989    | 0.509 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.700 | 142  | 19457    | 0.501 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.366 | 152  | 26113    | 0.494 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.704 | 153  | 21908    | 0.497 | ng/ul  | 100      |
| 12) Fluorene                | 15.690 | 166  | 24702    | 0.504 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.055 | 266  | 861      | 0.289 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.431 | 178  | 38473    | 0.477 | ng/ul  | 100      |
| 16) Anthracene              | 17.524 | 178  | 32587    | 0.478 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.442 | 202  | 40614    | 0.510 | ng/ul  | 100      |
| 20) Pyrene                  | 19.805 | 202  | 41735    | 0.506 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.552 | 228  | 28067    | 0.505 | ng/ul  | 100      |
| 22) Chrysene                | 21.608 | 228  | 32075    | 0.505 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.291 | 252  | 28387    | 0.482 | ng/ul  | 100      |
| 25) Benzo(k)fluoranthene    | 23.341 | 252  | 28593    | 0.484 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.943 | 252  | 23690    | 0.474 | ng/ul  | 100      |
| 27) Indeno(1,2,3-cd)pyrene  | 26.658 | 276  | 27165    | 0.477 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.685 | 278  | 20561    | 0.477 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 27.449 | 276  | 24675    | 0.483 | ng/ul  | 100      |

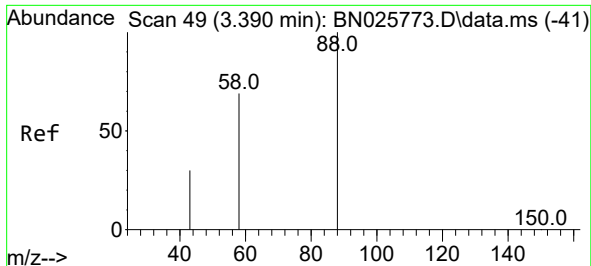
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060923\  
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Instrument :  
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SSTD0.4218

Quant Time: Jun 10 01:44:59 2023  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 10 01:44:09 2023  
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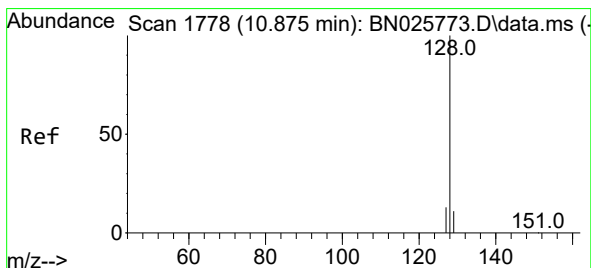
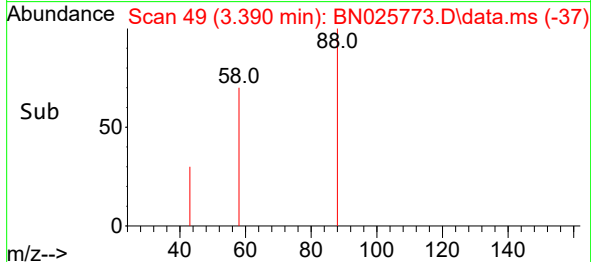
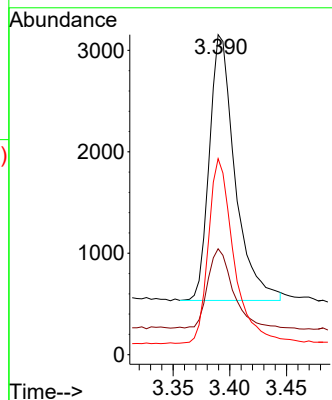
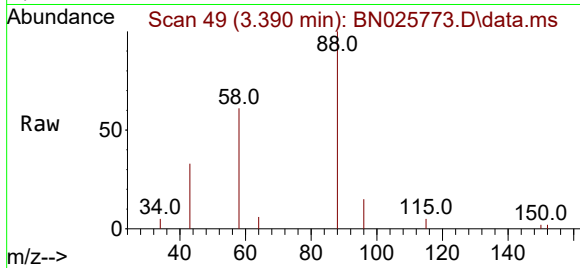




#2  
1,4-Dioxane  
Concen: 0.514 ng/ul  
RT: 3.390 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

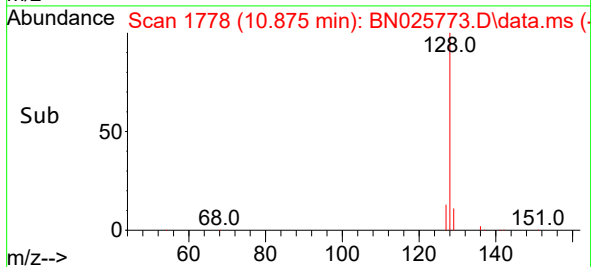
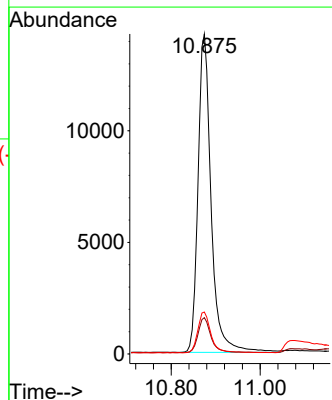
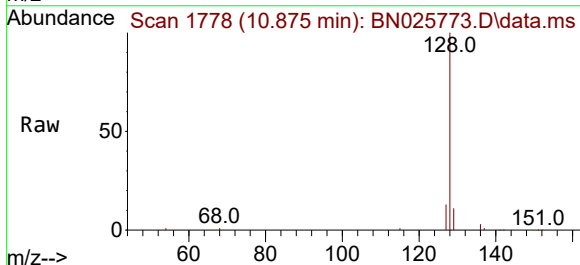
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4218

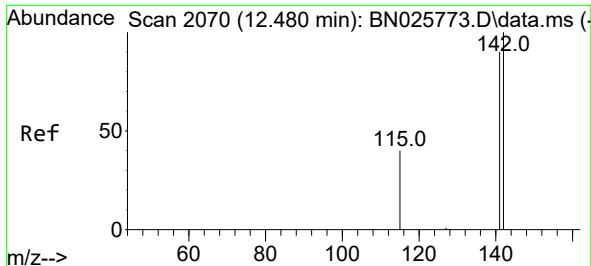
Tgt Ion: 88 Resp: 4120  
Ion Ratio Lower Upper  
88 100  
43 33.1 26.5 39.7  
58 61.3 49.0 73.6



#5  
Naphthalene  
Concen: 0.498 ng/ul  
RT: 10.875 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion: 128 Resp: 29211  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 13.1 10.5 15.7

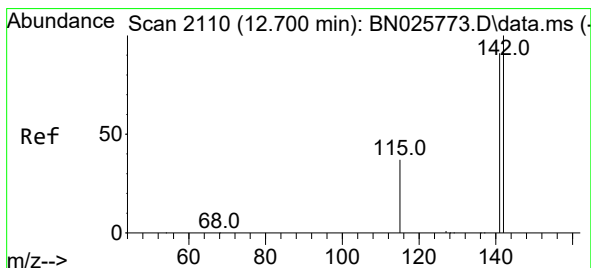
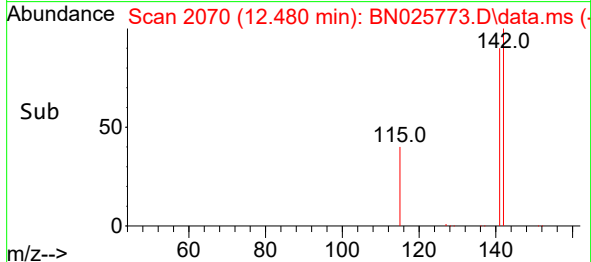
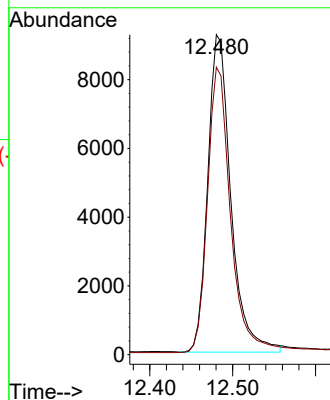
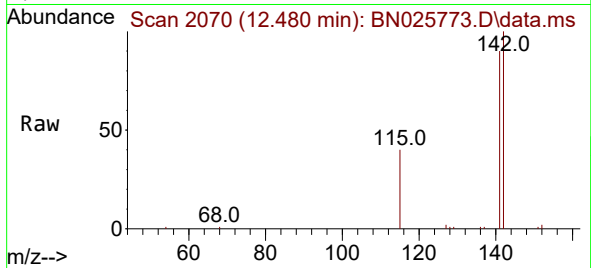




#7  
2-Methylnaphthalene  
Concen: 0.509 ng/ul  
RT: 12.480 min Scan# 2070  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

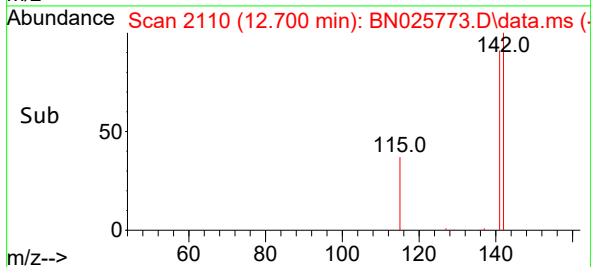
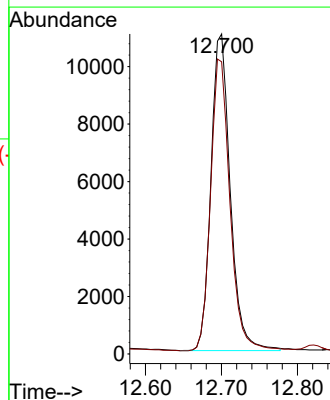
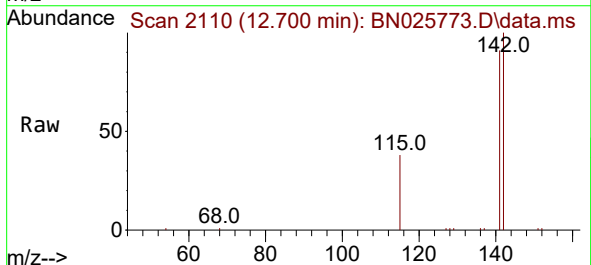
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4218

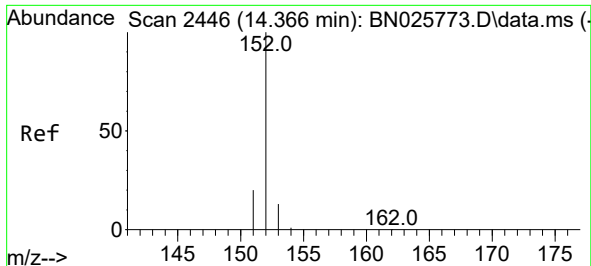
Tgt Ion:142 Resp: 17989  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.4 107.2



#8  
1-Methylnaphthalene  
Concen: 0.501 ng/ul  
RT: 12.700 min Scan# 2110  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:142 Resp: 19457  
Ion Ratio Lower Upper  
142 100  
141 92.5 74.0 111.0

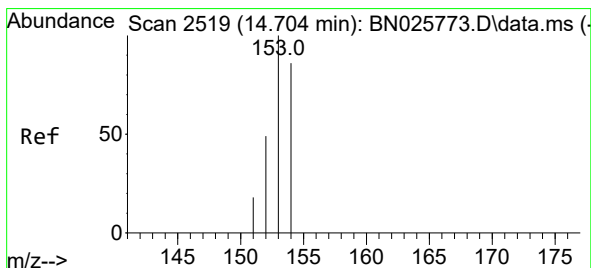
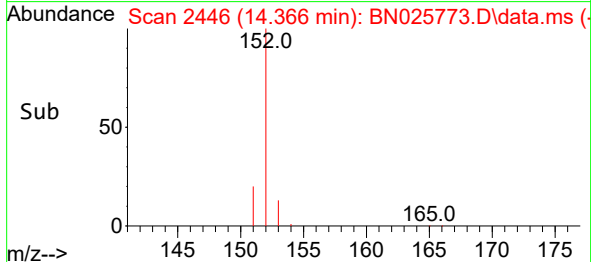
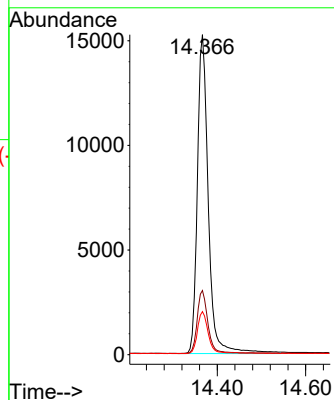
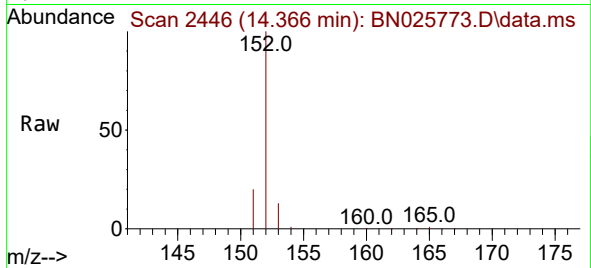




#10  
Acenaphthylene  
Concen: 0.494 ng/ul  
RT: 14.366 min Scan# 2446  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

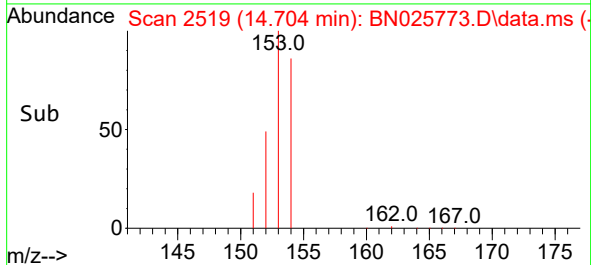
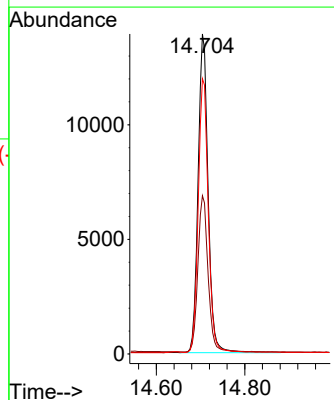
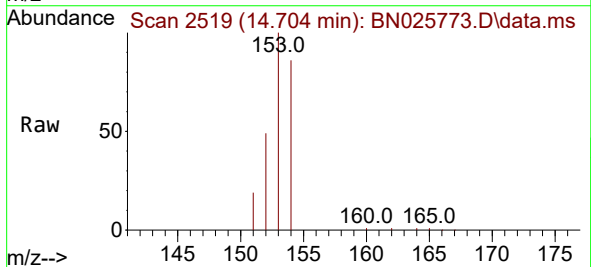
Instrument :  
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ClientSampleId :  
SSTD0.4218

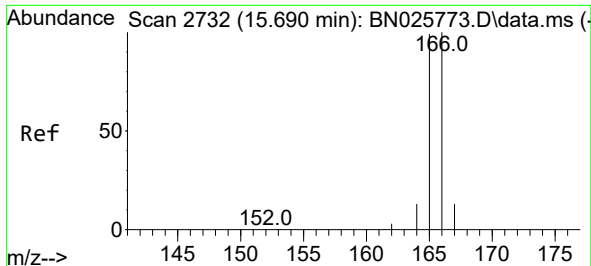
Tgt Ion:152 Resp: 26113  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.0 24.0  
153 13.4 10.7 16.1



#11  
Acenaphthene  
Concen: 0.497 ng/ul  
RT: 14.704 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:153 Resp: 21908  
Ion Ratio Lower Upper  
153 100  
152 49.4 39.5 59.3  
154 86.0 68.8 103.2

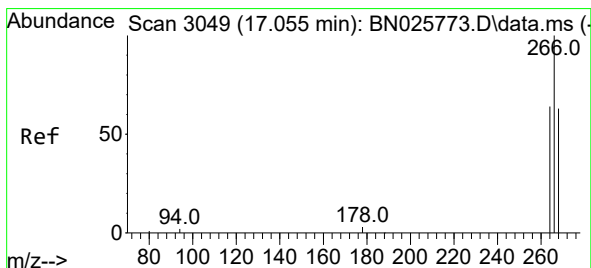
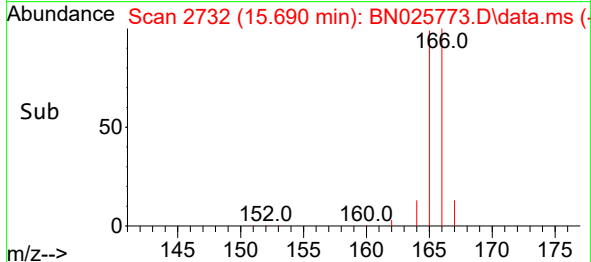
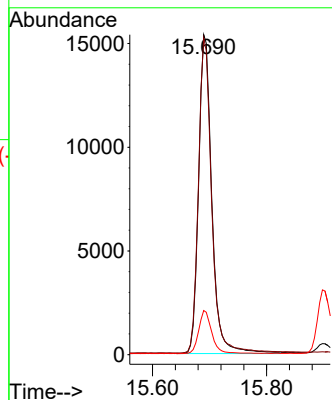
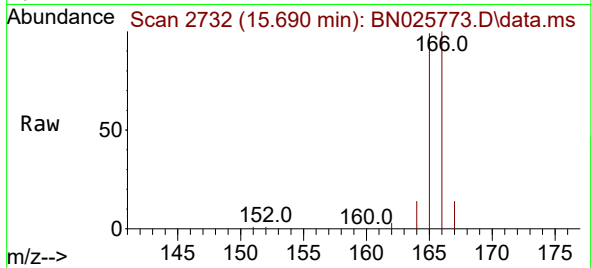




#12  
Fluorene  
Concen: 0.504 ng/ul  
RT: 15.690 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

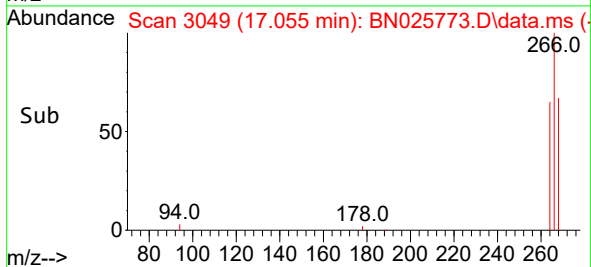
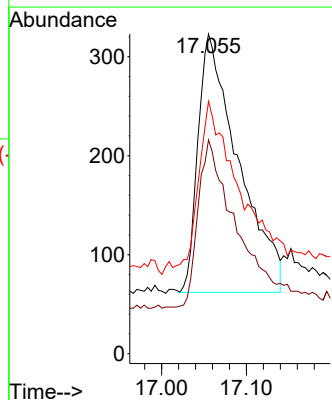
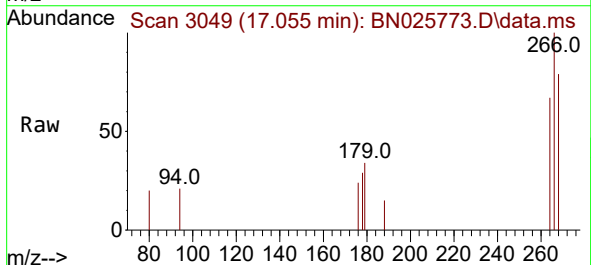
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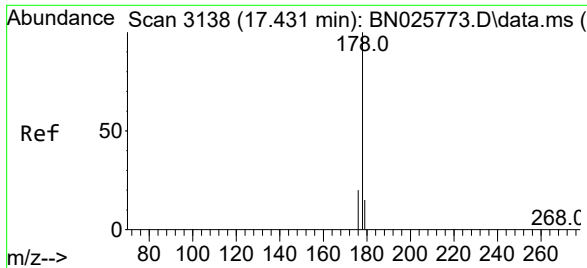
Tgt Ion:166 Resp: 24702  
Ion Ratio Lower Upper  
166 100  
165 99.0 79.2 118.8  
167 13.8 11.0 16.6



#14  
Pentachlorophenol  
Concen: 0.289 ng/ul  
RT: 17.055 min Scan# 3049  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:266 Resp: 861  
Ion Ratio Lower Upper  
266 100  
264 60.3 48.2 72.4  
268 60.3 48.2 72.4

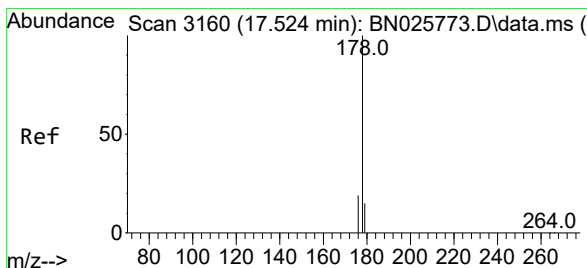
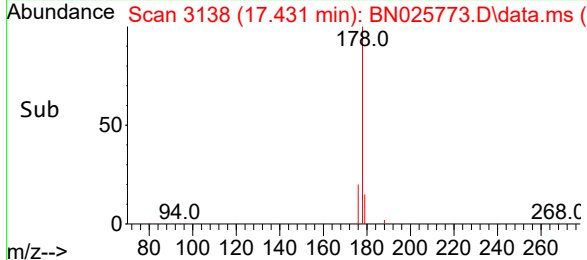
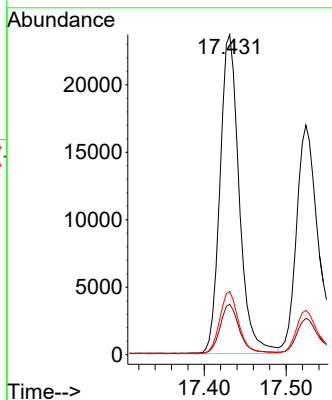
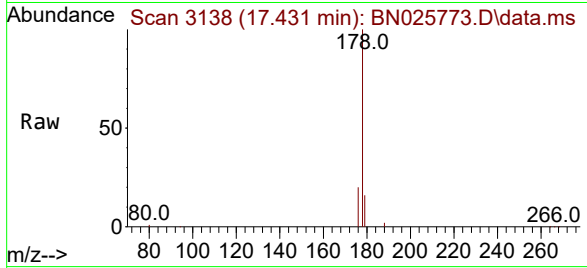




#15  
Phenanthrene  
Concen: 0.477 ng/ul  
RT: 17.431 min Scan# 3138  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

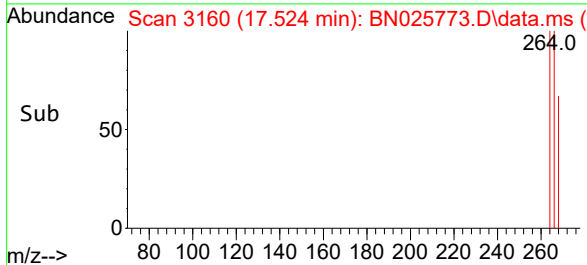
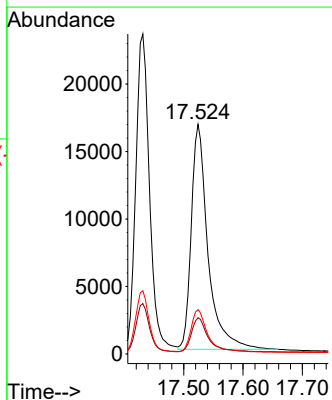
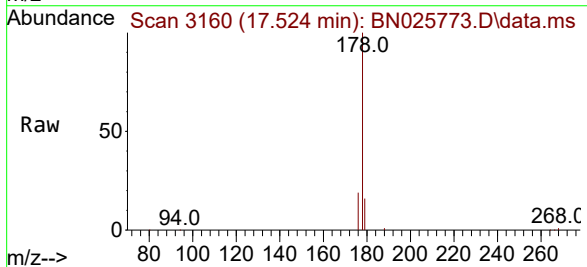
Instrument :  
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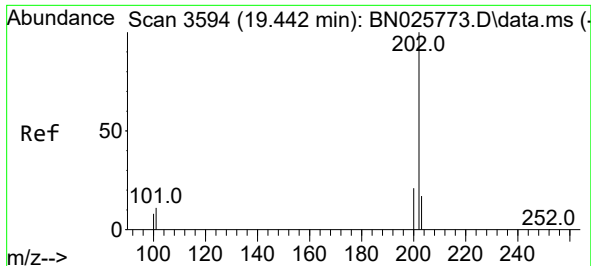
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|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 38473     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.7  | 12.6 18.8 |
| 176         | 19.8  | 15.8 23.8 |



#16  
Anthracene  
Concen: 0.478 ng/ul  
RT: 17.524 min Scan# 3160  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 32587     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.8  | 12.6 19.0 |
| 176         | 19.3  | 15.4 23.2 |

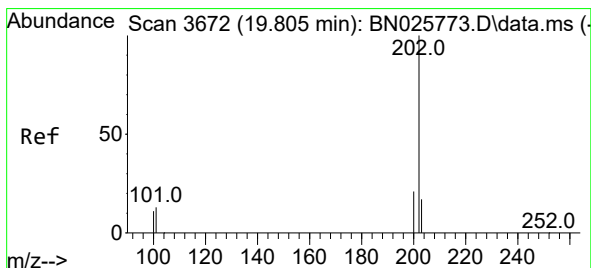
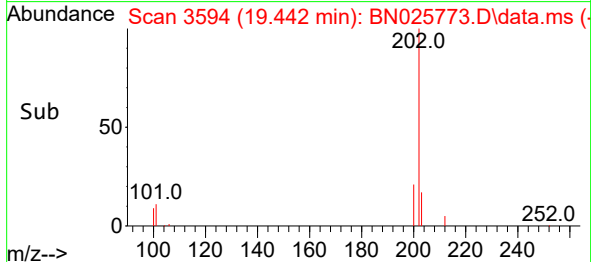
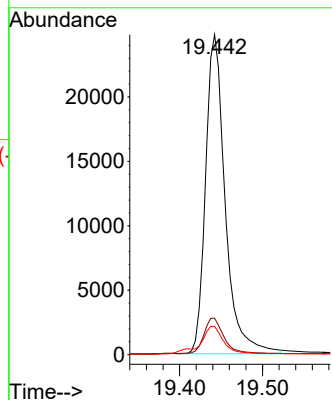
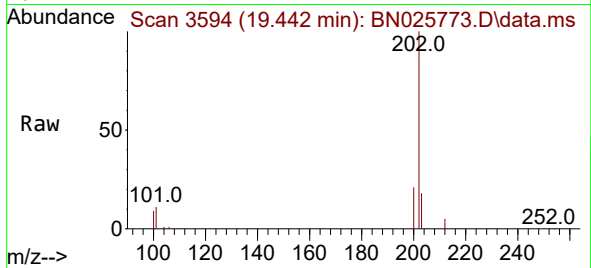




#19  
Fluoranthene  
Concen: 0.510 ng/ul  
RT: 19.442 min Scan# 3594  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

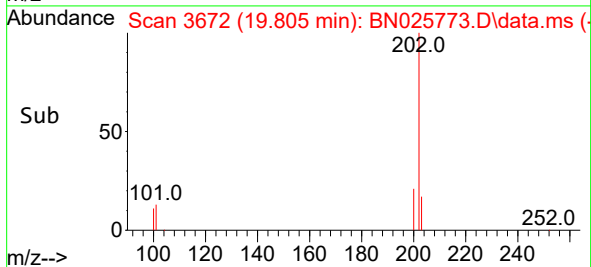
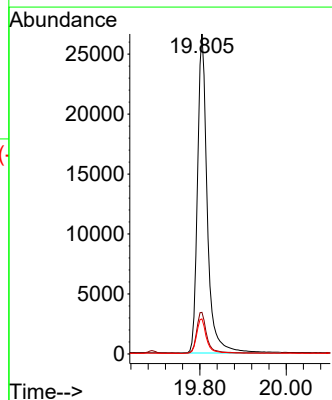
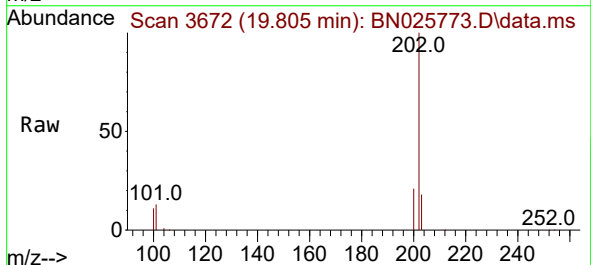
Instrument :  
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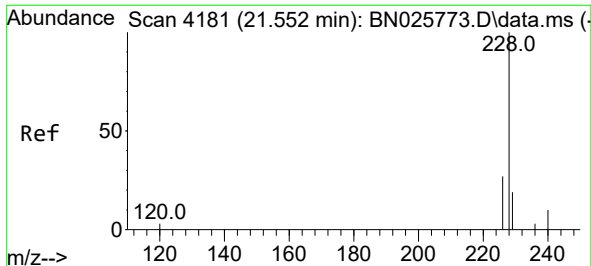
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Ion Ratio Lower Upper  
202 100  
101 11.4 9.1 13.7  
100 8.8 7.0 10.6



#20  
Pyrene  
Concen: 0.506 ng/ul  
RT: 19.805 min Scan# 3672  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

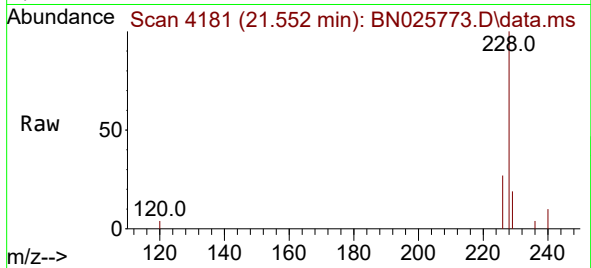
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100 11.0 8.8 13.2



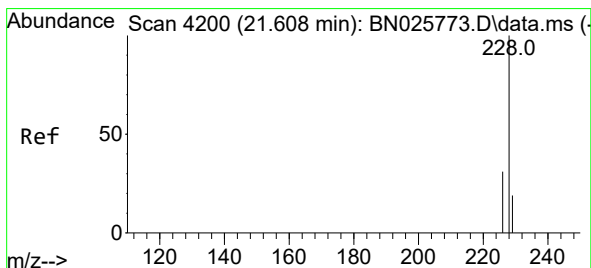
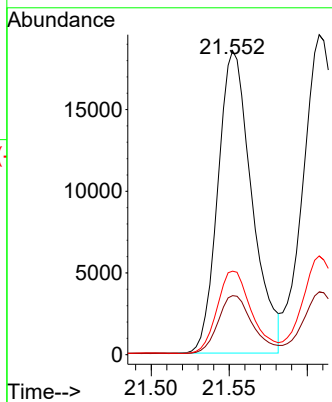
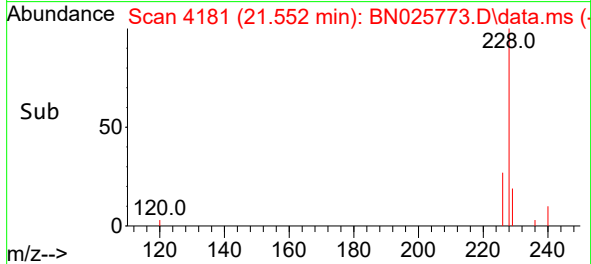


#21  
Benzo(a)anthracene  
Concen: 0.505 ng/ul  
RT: 21.552 min Scan# 4181  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4218

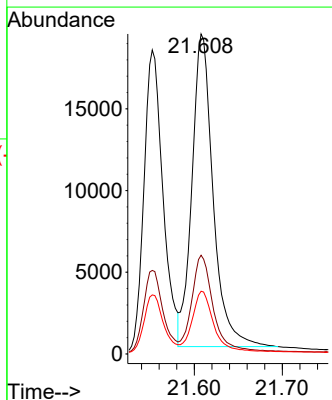
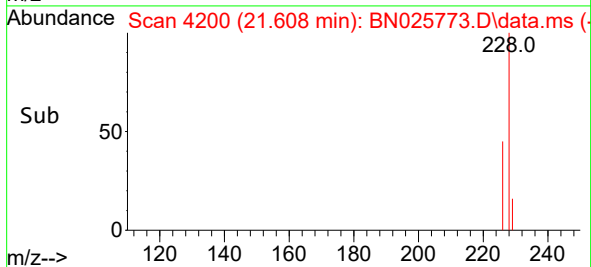
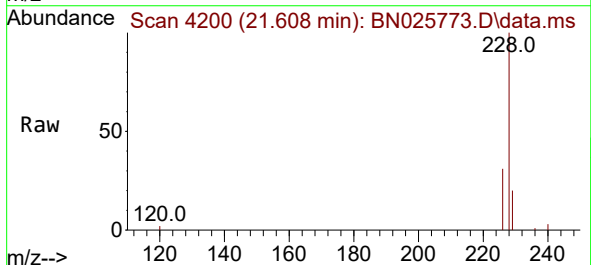


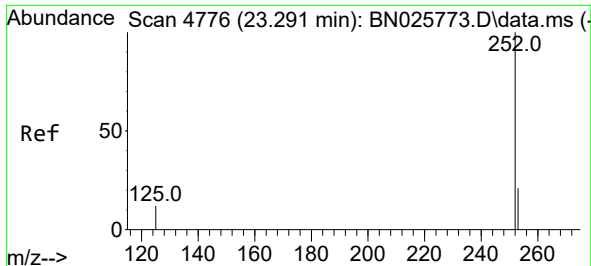
Tgt Ion:228 Resp: 28067  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.5 23.3  
226 27.5 22.0 33.0



#22  
Chrysene  
Concen: 0.505 ng/ul  
RT: 21.608 min Scan# 4200  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:228 Resp: 32075  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.7 37.1  
229 19.6 15.7 23.5

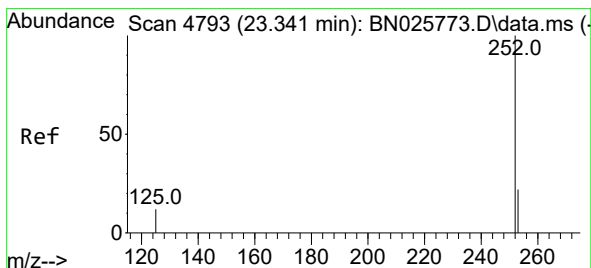
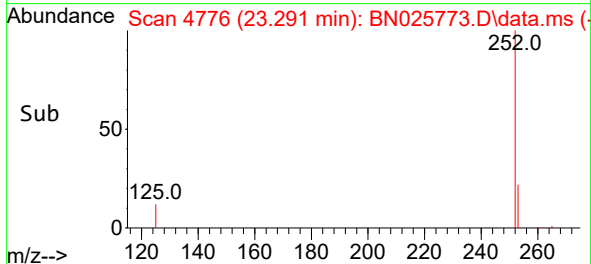
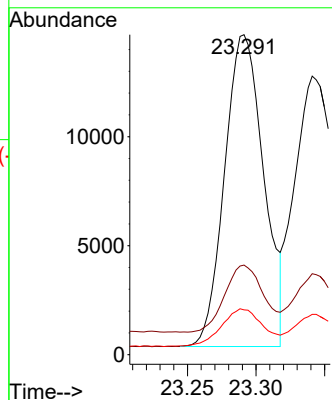
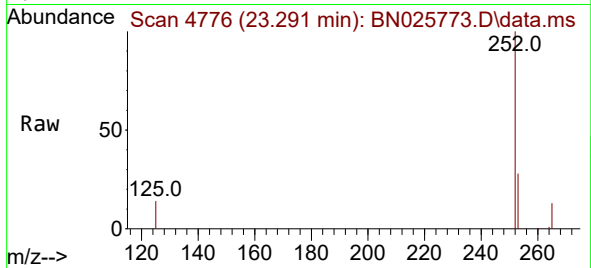




#24  
Benzo(b)fluoranthene  
Concen: 0.482 ng/ul  
RT: 23.291 min Scan# 4776  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

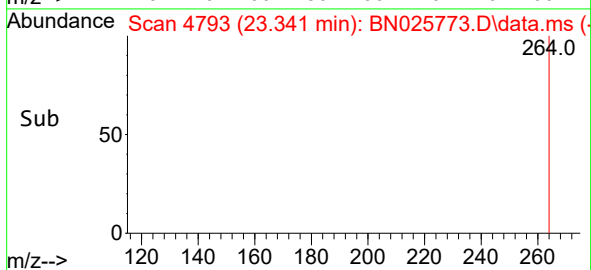
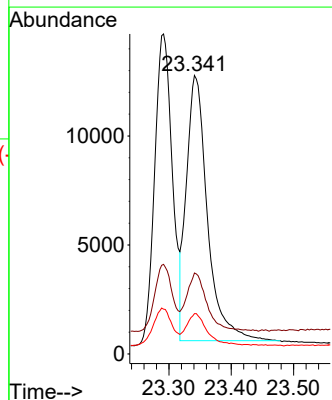
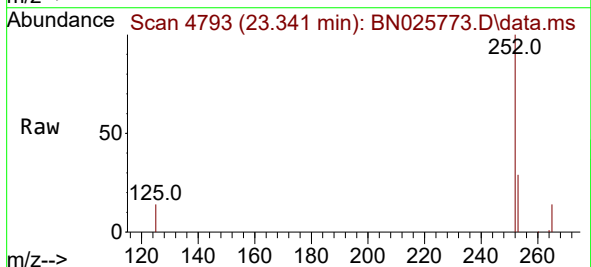
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4218

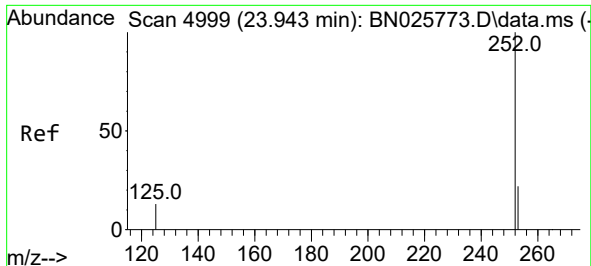
Tgt Ion:252 Resp: 28387  
Ion Ratio Lower Upper  
252 100  
253 28.0 0.0 56.0  
125 14.0 0.0 28.0



#25  
Benzo(k)fluoranthene  
Concen: 0.484 ng/ul  
RT: 23.341 min Scan# 4793  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:252 Resp: 28593  
Ion Ratio Lower Upper  
252 100  
253 29.1 23.3 34.9  
125 14.5 11.6 17.4

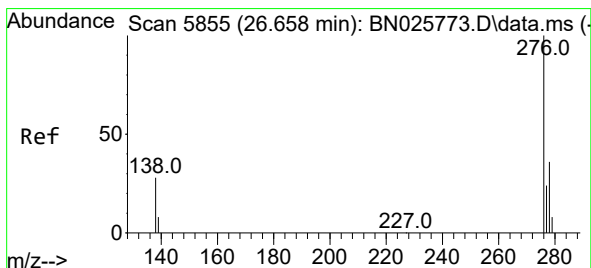
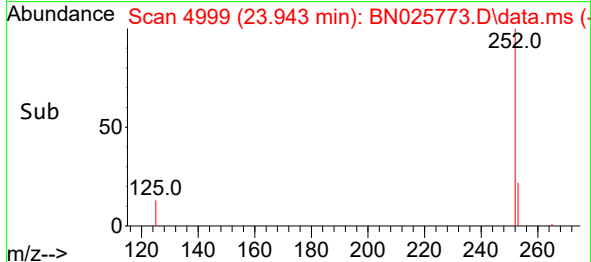
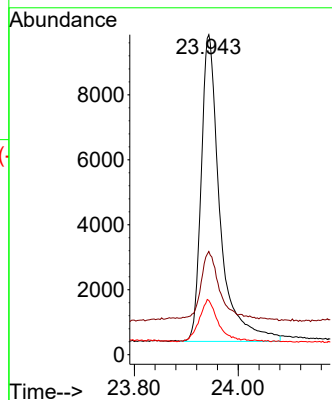
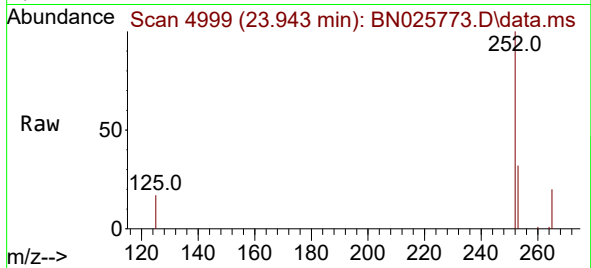




#26  
Benzo(a)pyrene  
Concen: 0.474 ng/ul  
RT: 23.943 min Scan# 4999  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

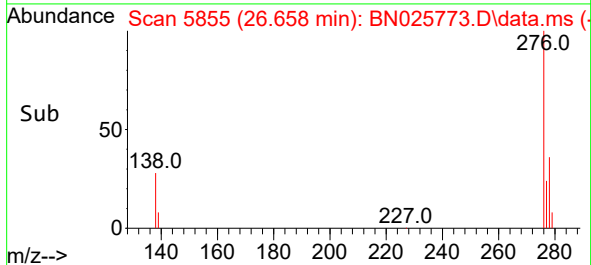
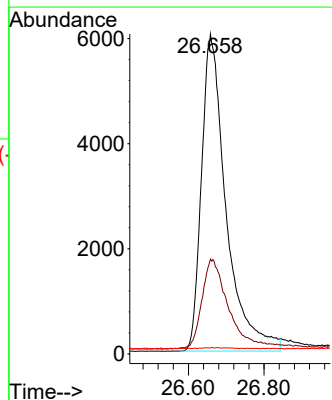
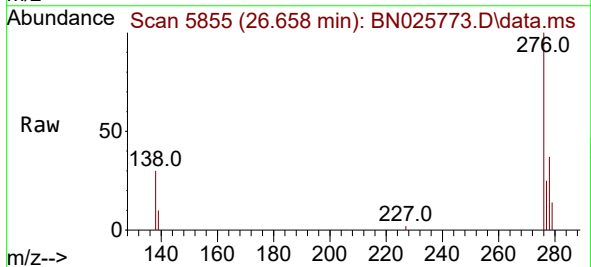
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4218

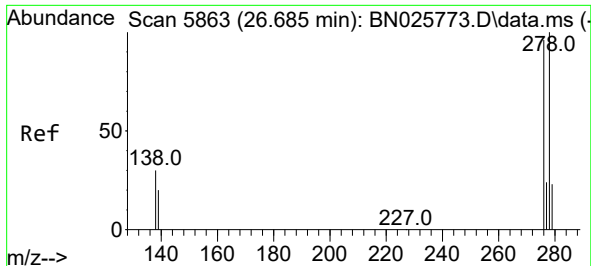
Tgt Ion:252 Resp: 23690  
Ion Ratio Lower Upper  
252 100  
253 32.3 25.8 38.8  
125 16.9 13.5 20.3



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.477 ng/ul  
RT: 26.658 min Scan# 5855  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:276 Resp: 27165  
Ion Ratio Lower Upper  
276 100  
138 30.7 24.6 36.8  
227 0.0 0.0 0.0#

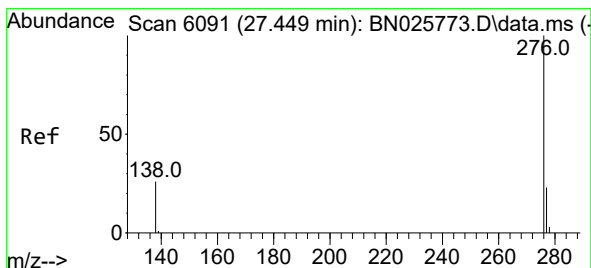
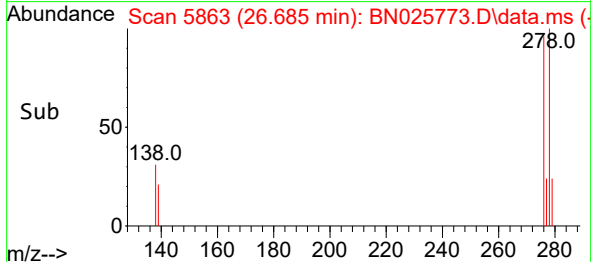
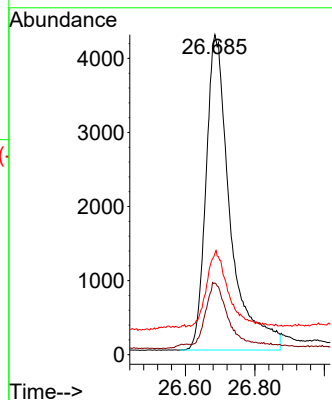
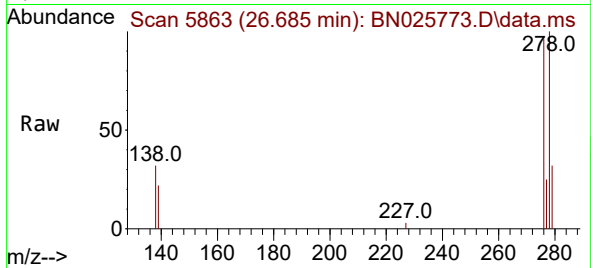




#28  
Dibenzo(a,h)anthracene  
Concen: 0.477 ng/ul  
RT: 26.685 min Scan# 5863  
Delta R.T. -0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4218

Tgt Ion:278 Resp: 20561  
Ion Ratio Lower Upper  
278 100  
139 22.4 17.9 26.9  
279 31.6 25.3 37.9



#29  
Benzo(g,h,i)perylene  
Concen: 0.483 ng/ul  
RT: 27.449 min Scan# 6091  
Delta R.T. 0.000 min  
Lab File: BN025773.D  
Acq: 09 Jun 2023 12:55

Tgt Ion:276 Resp: 24675  
Ion Ratio Lower Upper  
276 100  
138 27.3 21.8 32.8  
277 24.3 19.4 29.2

