

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042623\  
 Data File : BN025137.D  
 Acq On : 26 Apr 2023 09:09  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD0.4279

Quant Time: Apr 26 10:38:30 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 21 04:13:07 2023  
 Response via : Initial Calibration

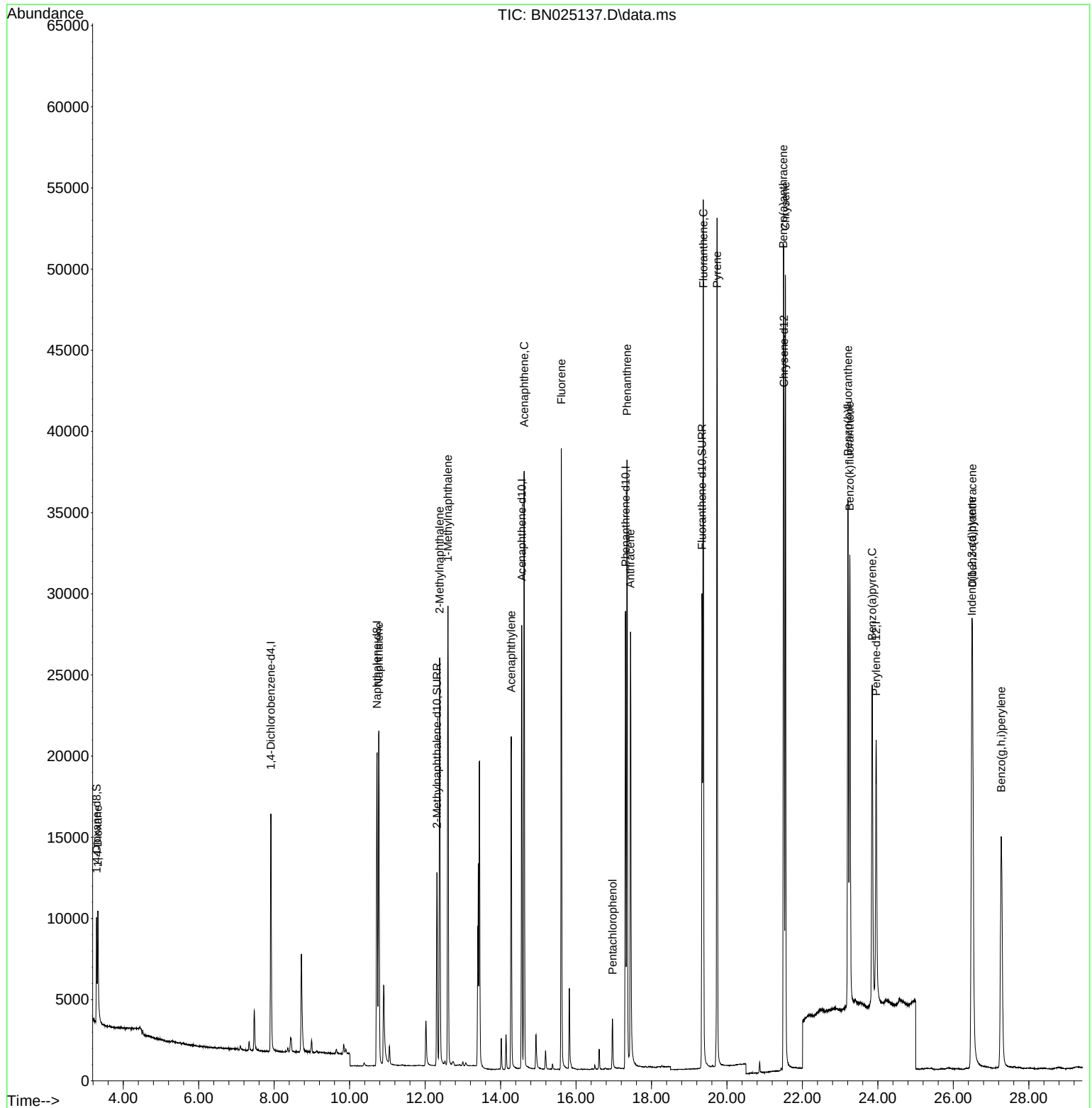
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.913  | 152  | 8261     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.725 | 136  | 25521    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.561 | 164  | 14766    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.313 | 188  | 33237    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.514 | 240  | 27621    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.954 | 264  | 23667    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.293  | 96   | 3991     | 0.467 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.314 | 152  | 15280    | 0.466 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.339 | 212  | 33139    | 0.455 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.327  | 88   | 4247     | 0.461 | ng/ul  | 92       |
| 5) Naphthalene              | 10.774 | 128  | 29465    | 0.451 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.386 | 142  | 18557    | 0.463 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.606 | 142  | 19626    | 0.460 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.283 | 152  | 24059    | 0.437 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.625 | 153  | 21358    | 0.461 | ng/ul  | 98       |
| 12) Fluorene                | 15.611 | 166  | 24349    | 0.470 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.967 | 266  | 2345     | 0.359 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.351 | 178  | 40918    | 0.436 | ng/ul  | 100      |
| 16) Anthracene              | 17.444 | 178  | 33730    | 0.439 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.372 | 202  | 45747    | 0.458 | ng/ul  | 99       |
| 20) Pyrene                  | 19.739 | 202  | 46122    | 0.449 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.496 | 228  | 39386    | 0.473 | ng/ul  | 100      |
| 22) Chrysene                | 21.549 | 228  | 42656    | 0.470 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.209 | 252  | 41082    | 0.428 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.256 | 252  | 40013    | 0.433 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.849 | 252  | 32820    | 0.413 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.490 | 276  | 39533    | 0.432 | ng/ul  | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.506 | 278  | 31411    | 0.439 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.268 | 276  | 34071    | 0.438 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

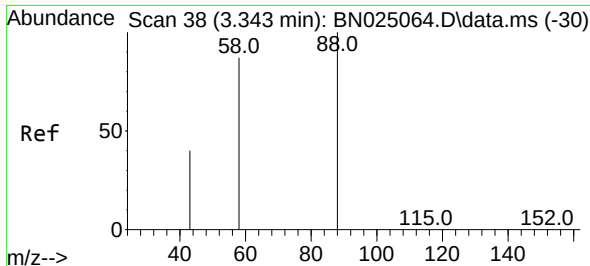
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 21 04:13:07 2023  
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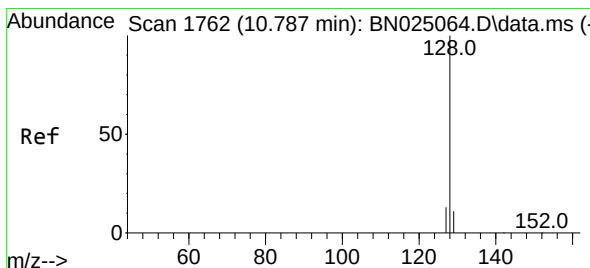
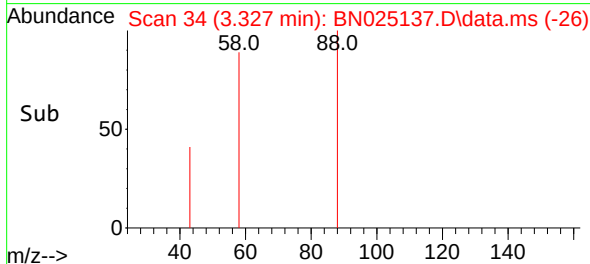
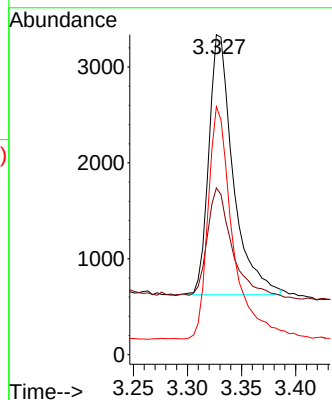
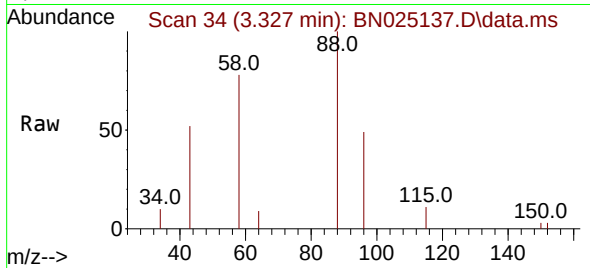




#2  
 1,4-Dioxane  
 Concen: 0.461 ng/ul  
 RT: 3.327 min Scan# 34  
 Delta R.T. -0.017 min  
 Lab File: BN025137.D  
 Acq: 26 Apr 2023 09:09

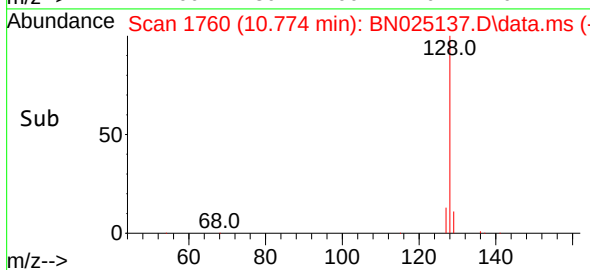
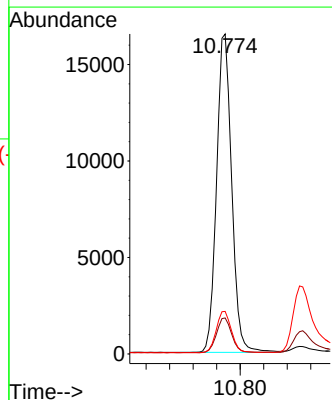
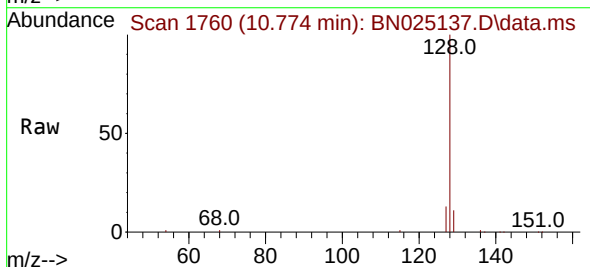
Instrument :  
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 ClientSampleId :  
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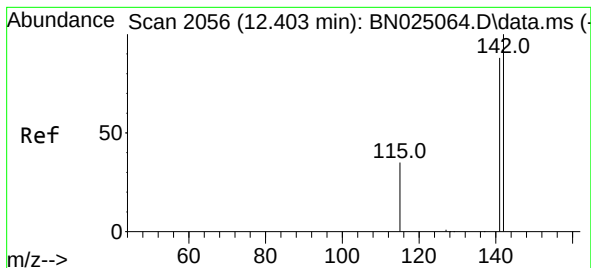
Tgt Ion: 88 Resp: 4247  
 Ion Ratio Lower Upper  
 88 100  
 43 52.1 37.0 55.4  
 58 77.5 56.9 85.3



#5  
 Naphthalene  
 Concen: 0.451 ng/ul  
 RT: 10.774 min Scan# 1760  
 Delta R.T. -0.018 min  
 Lab File: BN025137.D  
 Acq: 26 Apr 2023 09:09

Tgt Ion: 128 Resp: 29465  
 Ion Ratio Lower Upper  
 128 100  
 129 11.3 9.0 13.6  
 127 13.3 10.7 16.1

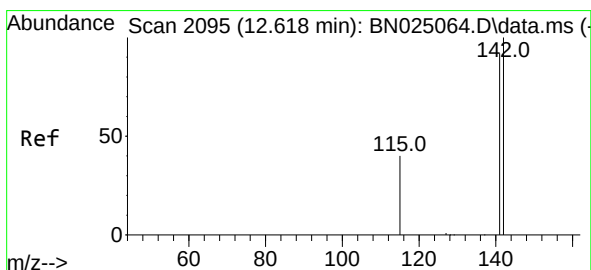
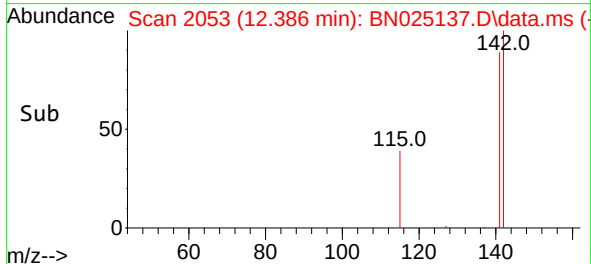
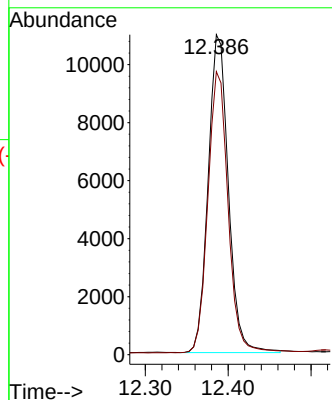
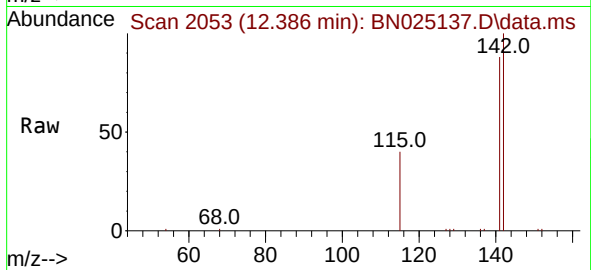




#7  
2-Methylnaphthalene  
Concen: 0.463 ng/ul  
RT: 12.386 min Scan# 2053  
Delta R.T. -0.018 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

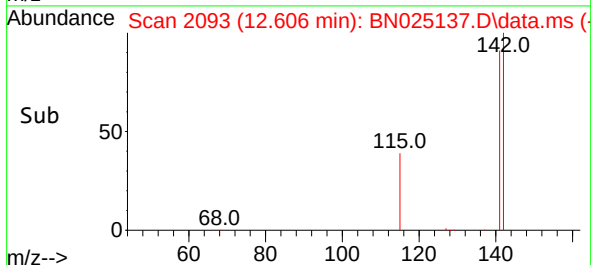
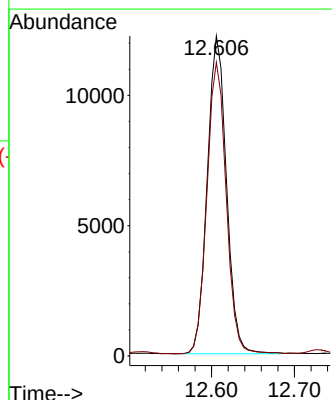
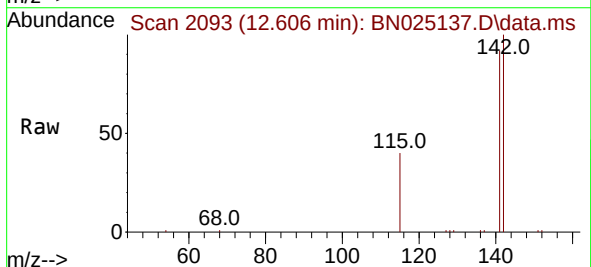
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4279

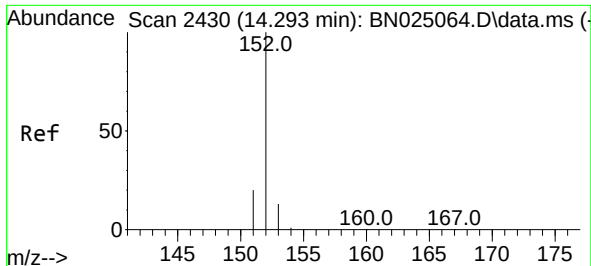
Tgt Ion:142 Resp: 18557  
Ion Ratio Lower Upper  
142 100  
141 88.4 71.4 107.0



#8  
1-Methylnaphthalene  
Concen: 0.460 ng/ul  
RT: 12.606 min Scan# 2093  
Delta R.T. -0.018 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:142 Resp: 19626  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.8 110.6

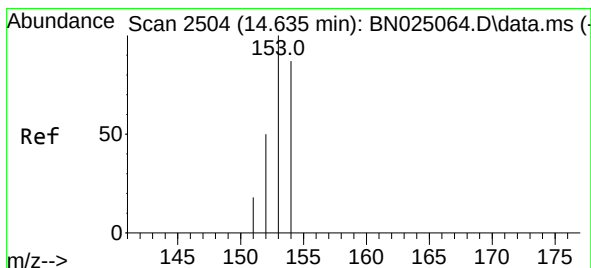
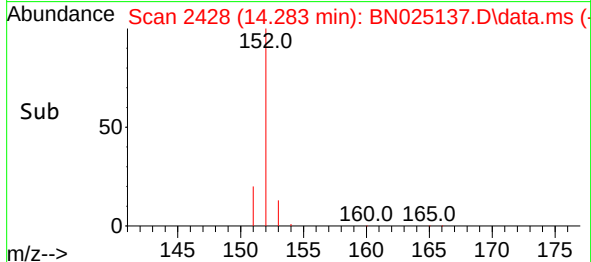
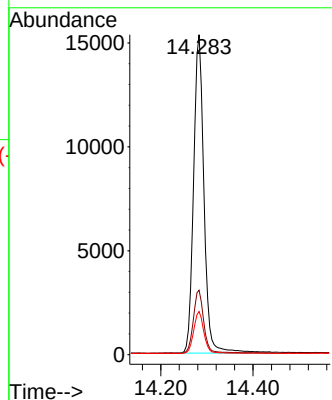
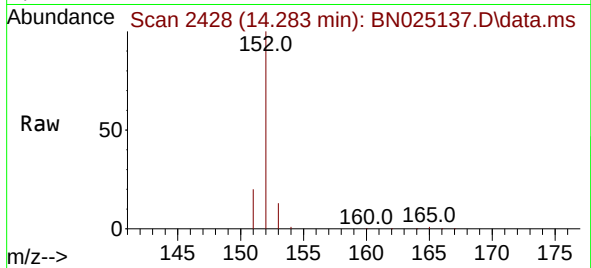




#10  
Acenaphthylene  
Concen: 0.437 ng/ul  
RT: 14.283 min Scan# 2430  
Delta R.T. -0.010 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

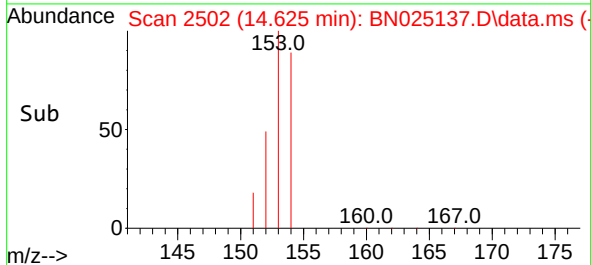
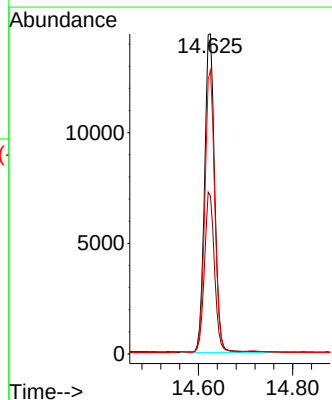
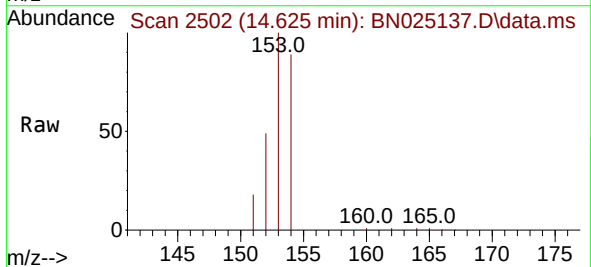
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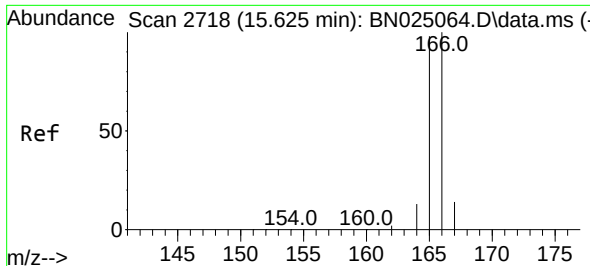
Tgt Ion:152 Resp: 24059  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.0 24.0  
153 13.5 10.8 16.2



#11  
Acenaphthene  
Concen: 0.461 ng/ul  
RT: 14.625 min Scan# 2502  
Delta R.T. -0.010 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:153 Resp: 21358  
Ion Ratio Lower Upper  
153 100  
152 49.4 40.2 60.4  
154 88.7 69.4 104.2

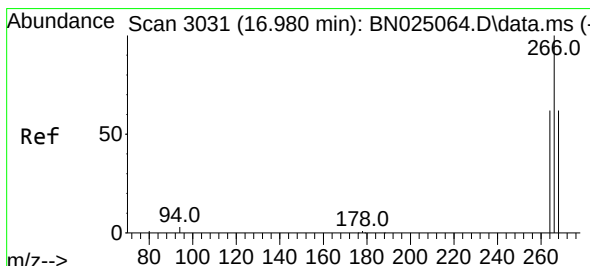
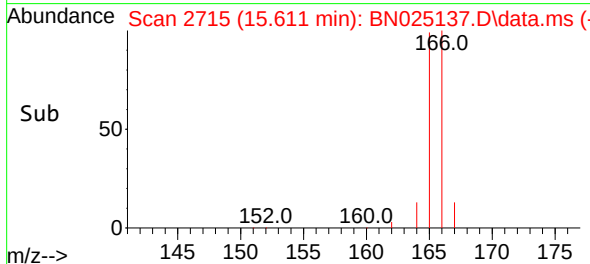
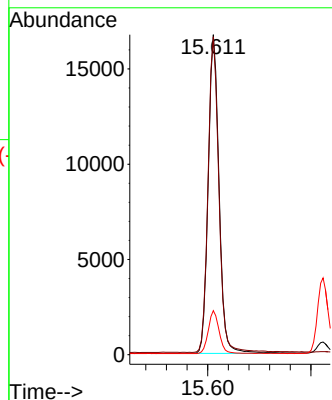
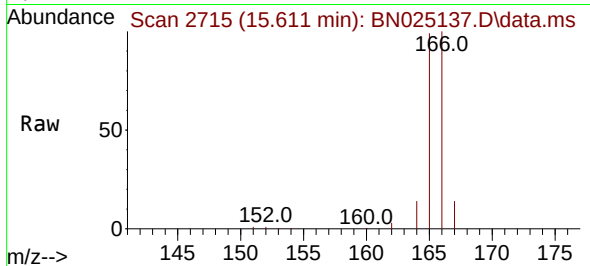




#12  
Fluorene  
Concen: 0.470 ng/ul  
RT: 15.611 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

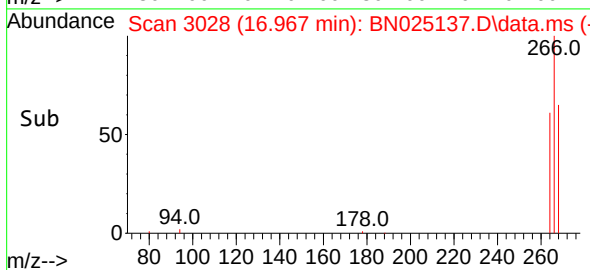
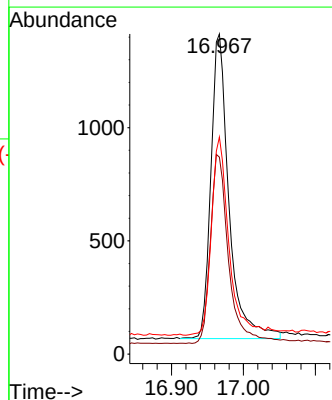
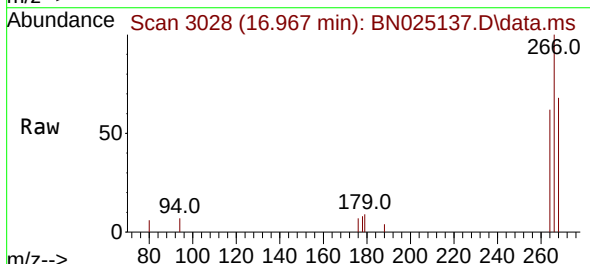
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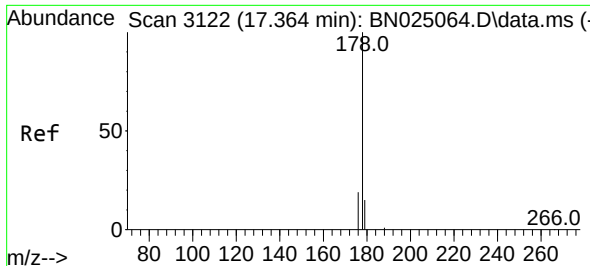
Tgt Ion:166 Resp: 24349  
Ion Ratio Lower Upper  
166 100  
165 99.3 78.1 117.1  
167 13.7 11.0 16.6



#14  
Pentachlorophenol  
Concen: 0.359 ng/ul  
RT: 16.967 min Scan# 3028  
Delta R.T. -0.009 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:266 Resp: 2345  
Ion Ratio Lower Upper  
266 100  
264 62.5 49.6 74.4  
268 64.0 51.3 76.9

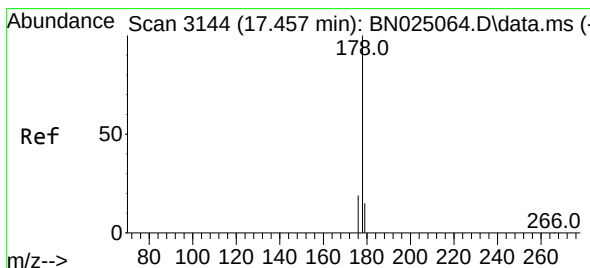
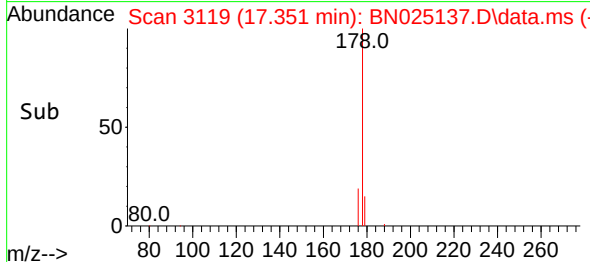
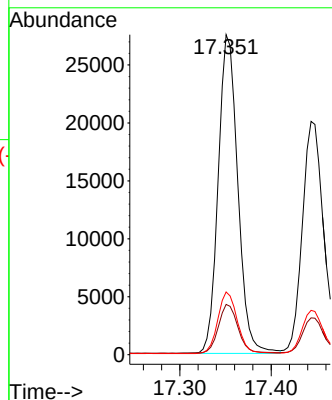
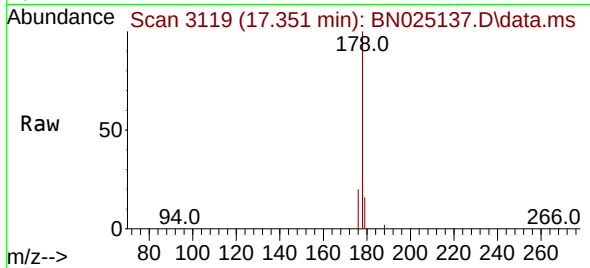




#15  
Phenanthrene  
Concen: 0.436 ng/ul  
RT: 17.351 min Scan# 3119  
Delta R.T. -0.014 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

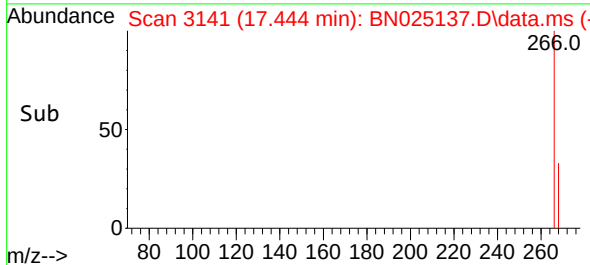
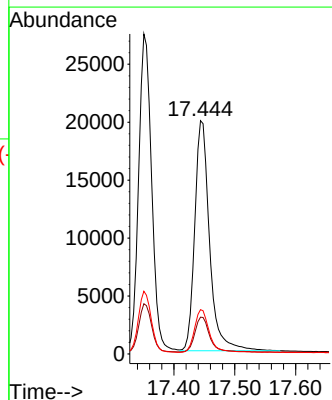
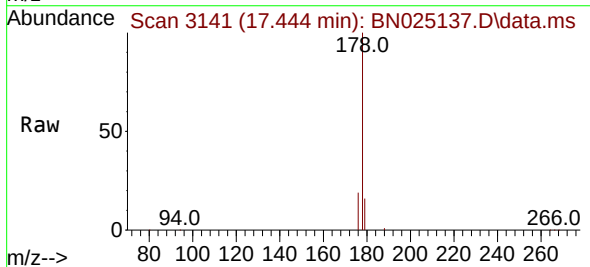
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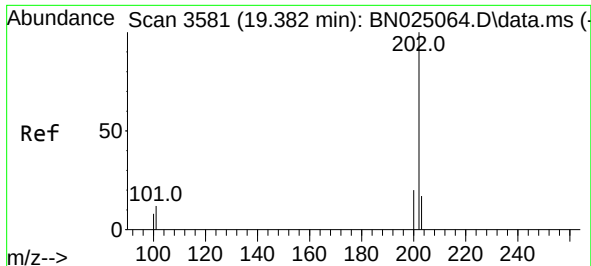
Tgt Ion:178 Resp: 40918  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.5 18.7  
176 19.6 15.6 23.4



#16  
Anthracene  
Concen: 0.439 ng/ul  
RT: 17.444 min Scan# 3141  
Delta R.T. -0.014 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:178 Resp: 33730  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.7 19.1  
176 19.0 15.3 22.9

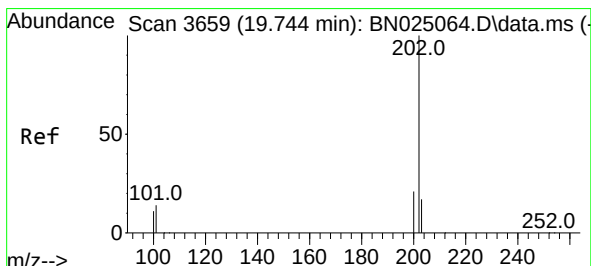
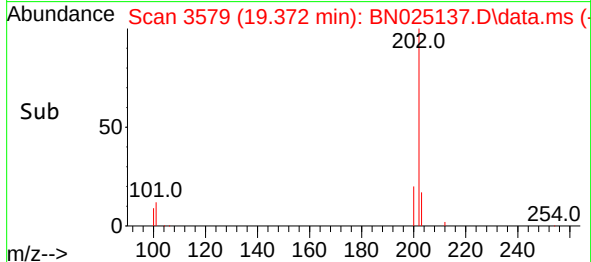
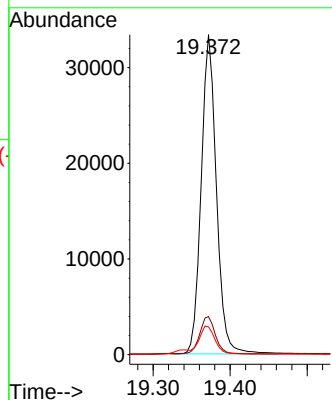
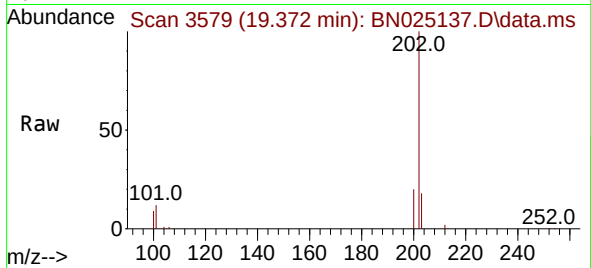




#19  
Fluoranthene  
Concen: 0.458 ng/u1  
RT: 19.372 min Scan# 3579  
Delta R.T. -0.010 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

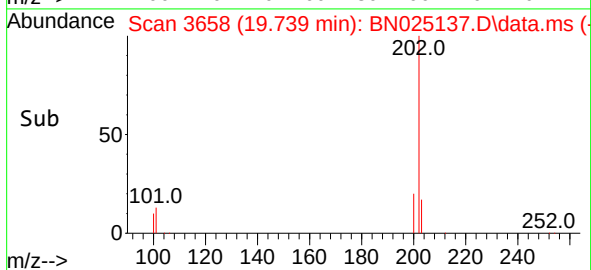
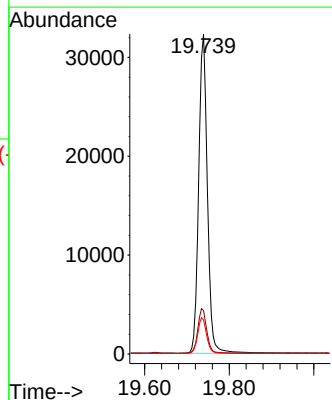
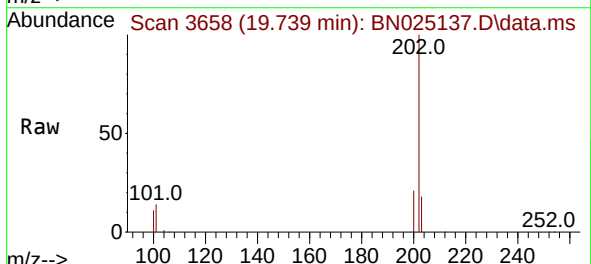
Instrument :  
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SSTD0.4279

Tgt Ion:202 Resp: 45747  
Ion Ratio Lower Upper  
202 100  
101 11.9 9.7 14.5  
100 8.7 7.3 10.9

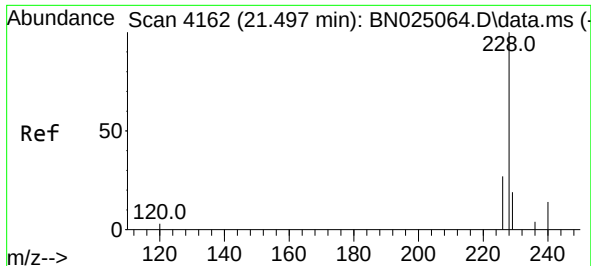


#20  
Pyrene  
Concen: 0.449 ng/u1  
RT: 19.739 min Scan# 3658  
Delta R.T. -0.006 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:202 Resp: 46122  
Ion Ratio Lower Upper  
202 100  
101 13.6 11.3 16.9  
100 10.6 9.2 13.8



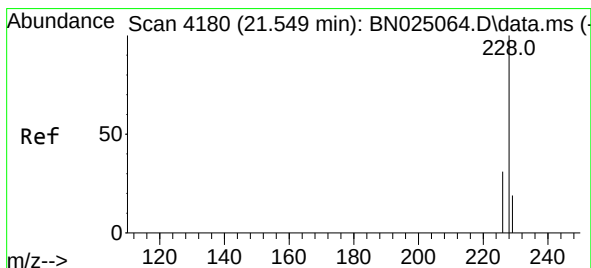
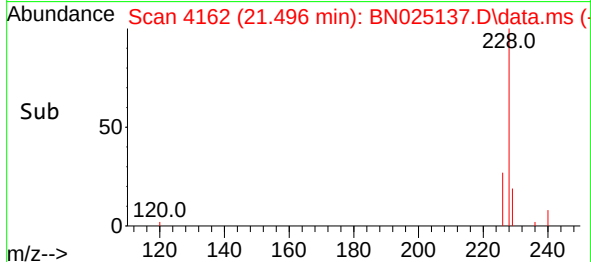
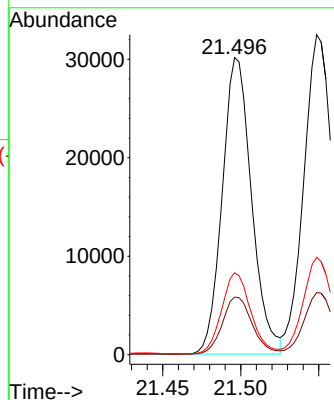
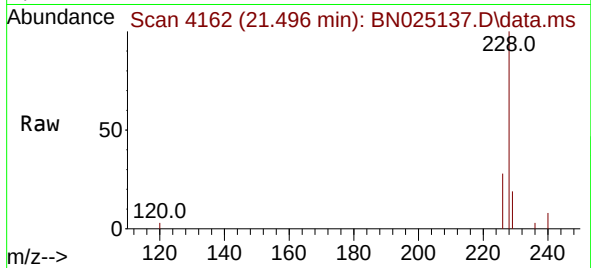




#21  
Benzo(a)anthracene  
Concen: 0.473 ng/ul  
RT: 21.496 min Scan# 4162  
Delta R.T. -0.004 min  
Lab File: BN025137.D  
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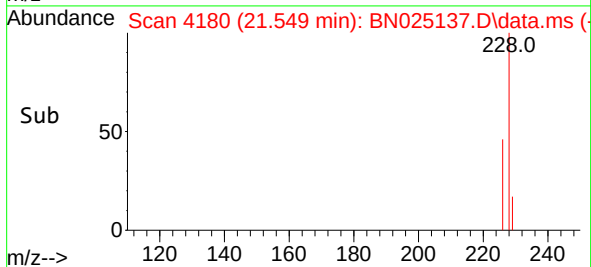
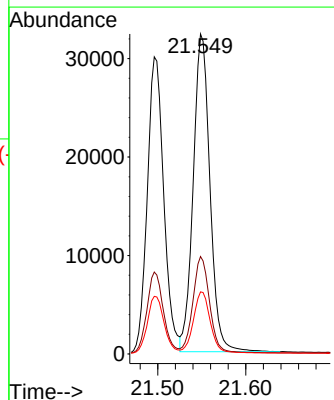
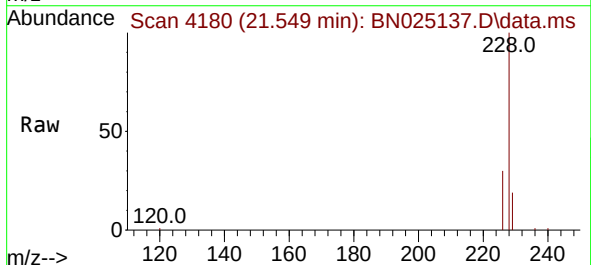
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4279

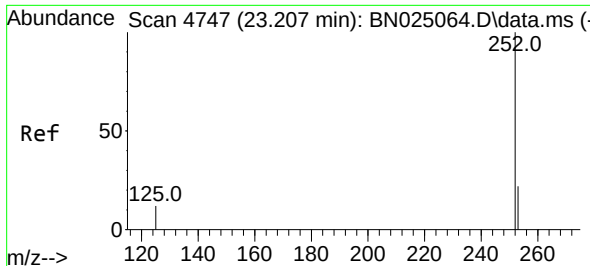
Tgt Ion:228 Resp: 39386  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.6 23.4  
226 27.6 22.1 33.1



#22  
Chrysene  
Concen: 0.470 ng/ul  
RT: 21.549 min Scan# 4180  
Delta R.T. -0.004 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:228 Resp: 42656  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.5 36.7  
229 19.4 15.8 23.6

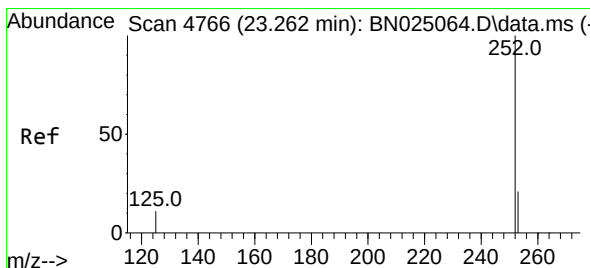
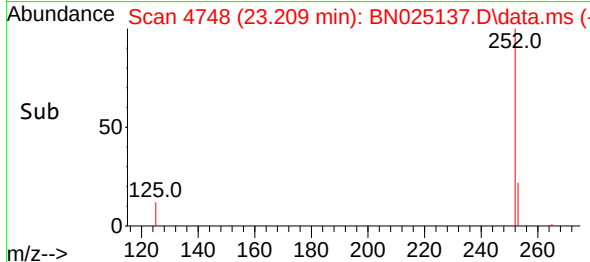
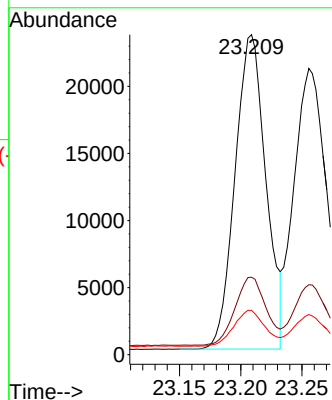
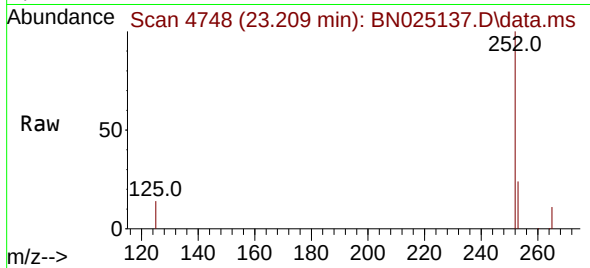




#24  
Benzo(b)fluoranthene  
Concen: 0.428 ng/ul  
RT: 23.209 min Scan# 4748  
Delta R.T. -0.004 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

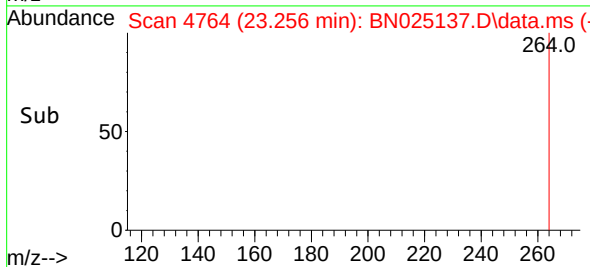
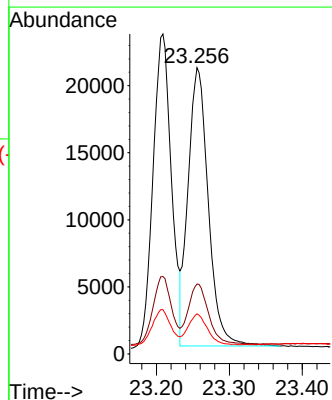
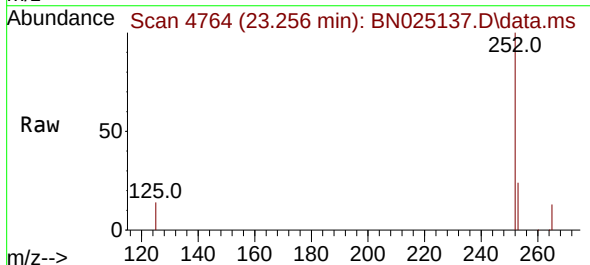
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4279

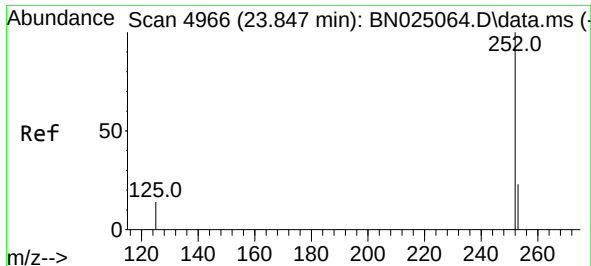
Tgt Ion:252 Resp: 41082  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 50.2  
125 13.9 0.0 30.4



#25  
Benzo(k)fluoranthene  
Concen: 0.433 ng/ul  
RT: 23.256 min Scan# 4764  
Delta R.T. -0.007 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

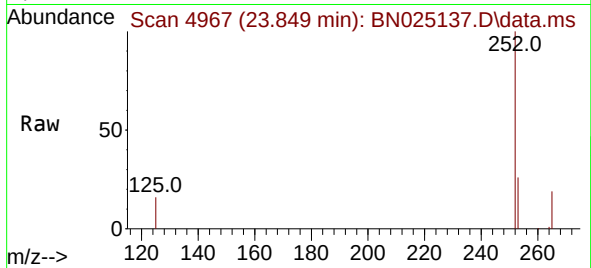
Tgt Ion:252 Resp: 40013  
Ion Ratio Lower Upper  
252 100  
253 24.4 20.2 30.4  
125 14.0 11.8 17.8



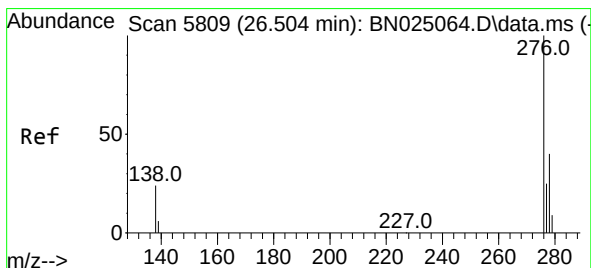
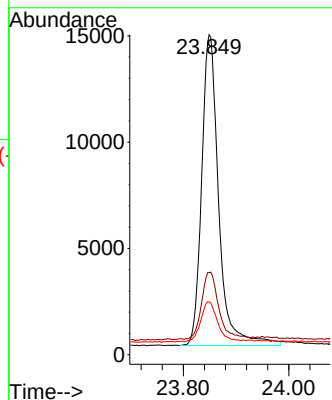
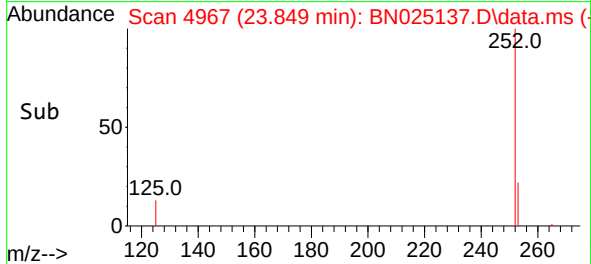


#26  
Benzo(a)pyrene  
Concen: 0.413 ng/ul  
RT: 23.849 min Scan# 4966  
Delta R.T. -0.007 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4279

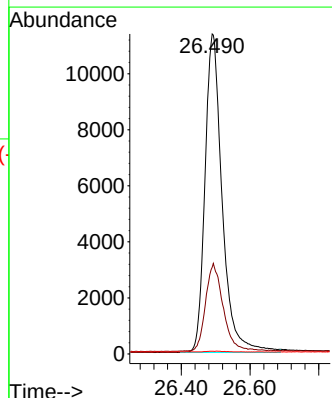
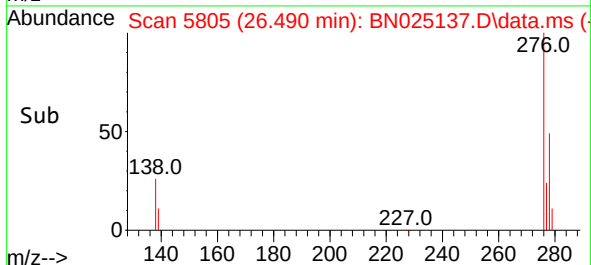
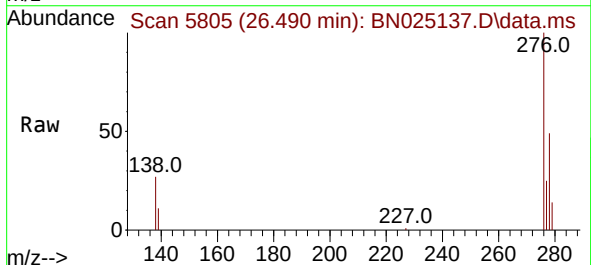


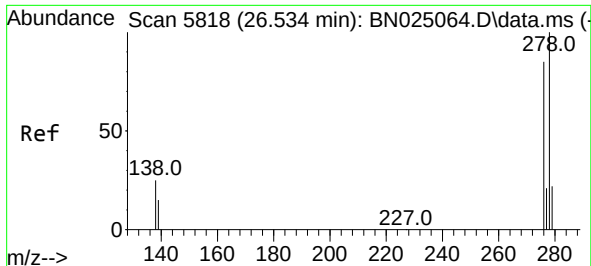
Tgt Ion:252 Resp: 32820  
Ion Ratio Lower Upper  
252 100  
253 25.7 21.4 32.2  
125 16.5 14.6 22.0



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.432 ng/ul  
RT: 26.490 min Scan# 5805  
Delta R.T. -0.021 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:276 Resp: 39533  
Ion Ratio Lower Upper  
276 100  
138 27.8 21.9 32.9  
227 0.1 0.1 0.1

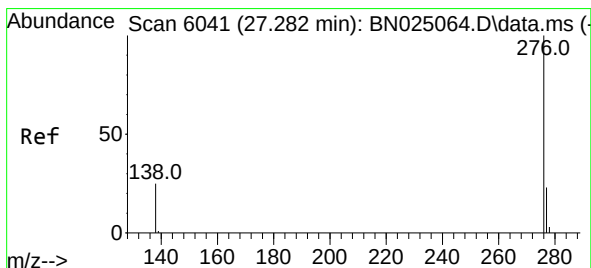
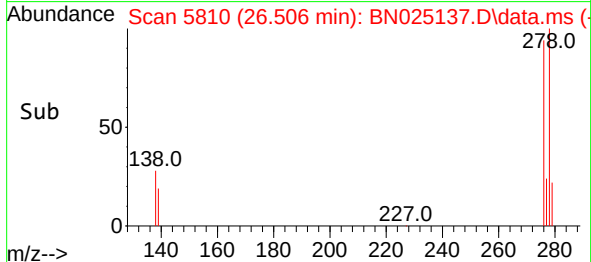
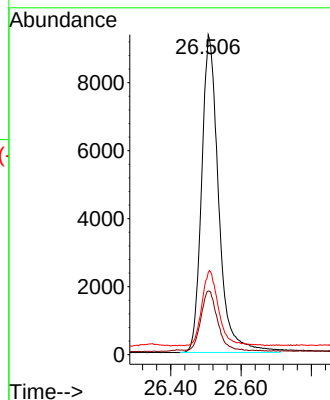
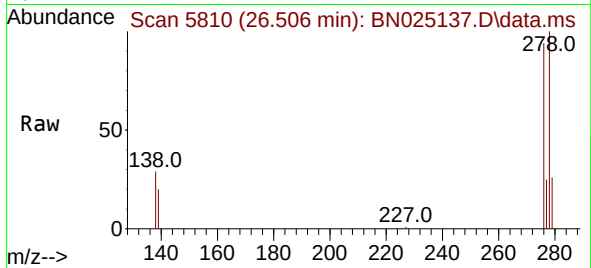




#28  
Dibenzo(a,h)anthracene  
Concen: 0.439 ng/ul  
RT: 26.506 min Scan# 5810  
Delta R.T. -0.031 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.4279

Tgt Ion:278 Resp: 31411  
Ion Ratio Lower Upper  
278 100  
139 19.9 17.0 25.6  
279 25.7 21.8 32.8



#29  
Benzo(g,h,i)perylene  
Concen: 0.438 ng/ul  
RT: 27.268 min Scan# 6037  
Delta R.T. -0.024 min  
Lab File: BN025137.D  
Acq: 26 Apr 2023 09:09

Tgt Ion:276 Resp: 34071  
Ion Ratio Lower Upper  
276 100  
138 25.1 20.3 30.5  
277 24.0 19.8 29.6

