

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062922\  
 Data File : BN020576.D  
 Acq On : 29 Jun 2022 19:08  
 Operator : CG/JU  
 Sample : N3355-13MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EY0C9MSD

Quant Time: Jun 29 20:49:24 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 00:17:34 2022  
 Response via : Initial Calibration

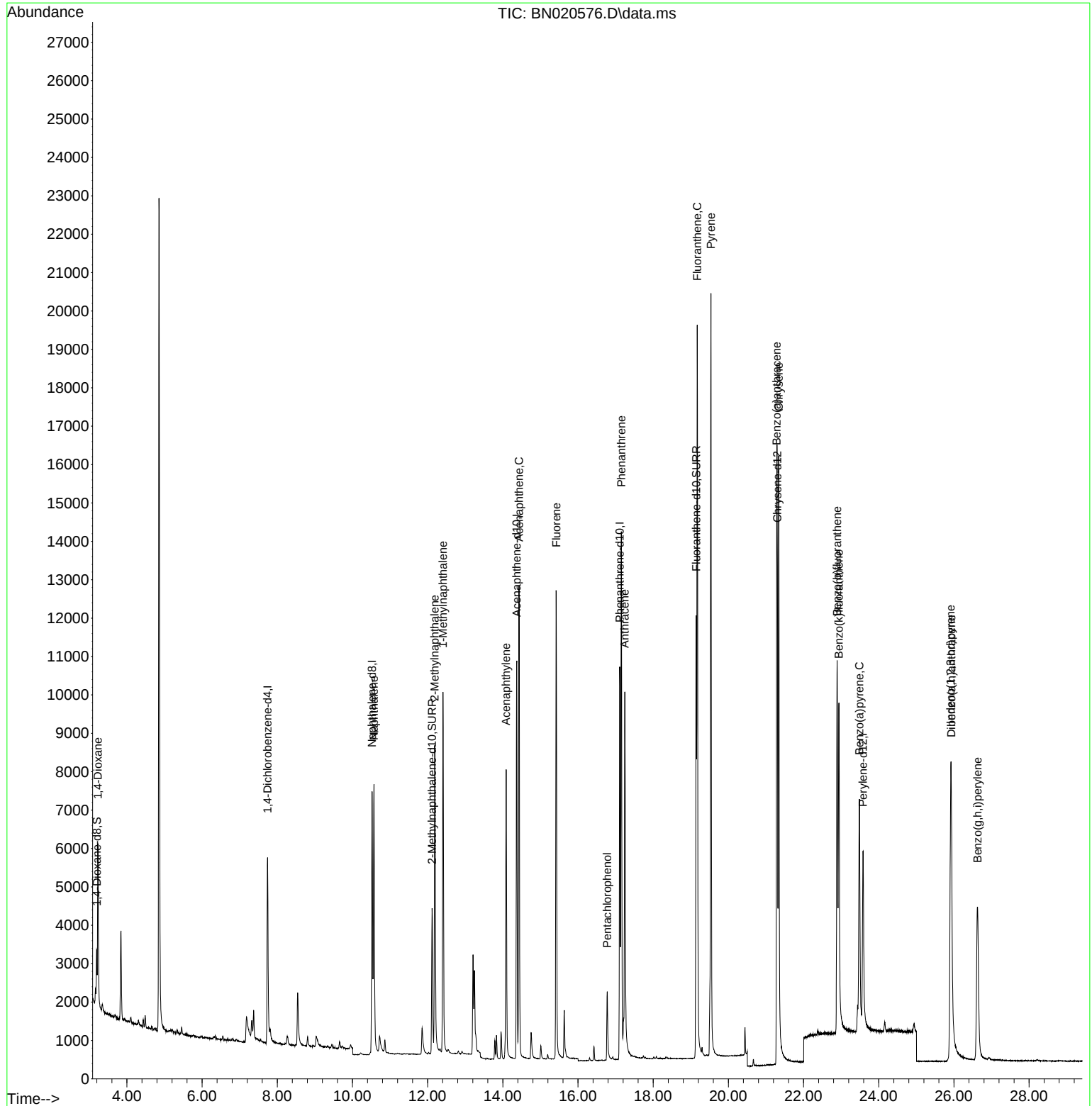
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.741  | 152  | 3145     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.522 | 136  | 10540    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.371 | 164  | 6093     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.110 | 188  | 12500    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.303 | 240  | 9692     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.580 | 264  | 7045     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.197  | 96   | 977      | 0.268 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.117 | 152  | 5586     | 0.323 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.144 | 212  | 13597    | 0.425 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.226  | 88   | 2762     | 0.742 | ng/ul# | 80       |
| 5) Naphthalene              | 10.572 | 128  | 10705    | 0.329 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.189 | 142  | 6646     | 0.305 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.409 | 142  | 7029     | 0.340 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.089 | 152  | 9616     | 0.333 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.431 | 153  | 7685     | 0.332 | ng/ul  | 100      |
| 12) Fluorene                | 15.421 | 166  | 8843     | 0.323 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.777 | 266  | 1479     | 0.587 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.152 | 178  | 15834    | 0.364 | ng/ul  | 99       |
| 16) Anthracene              | 17.245 | 178  | 12197    | 0.325 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.172 | 202  | 17735    | 0.401 | ng/ul  | 99       |
| 20) Pyrene                  | 19.535 | 202  | 17962    | 0.391 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.286 | 228  | 13189    | 0.379 | ng/ul  | 100      |
| 22) Chrysene                | 21.338 | 228  | 15393    | 0.397 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.893 | 252  | 12723    | 0.390 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 22.940 | 252  | 12974    | 0.394 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.484 | 252  | 10321    | 0.348 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.916 | 276  | 11383    | 0.386 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.930 | 278  | 9242     | 0.388 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 26.627 | 276  | 9958     | 0.394 | ng/ul  | 100      |

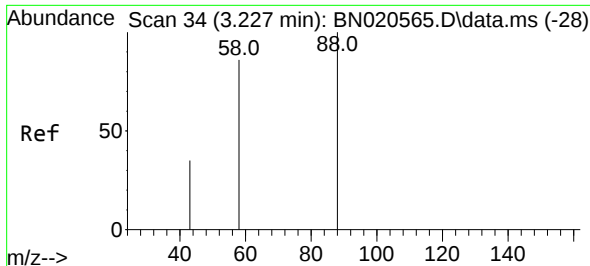
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062922\  
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Sample : N3355-13MSD  
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ALS Vial : 13 Sample Multiplier: 1

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Quant Time: Jun 29 20:49:24 2022  
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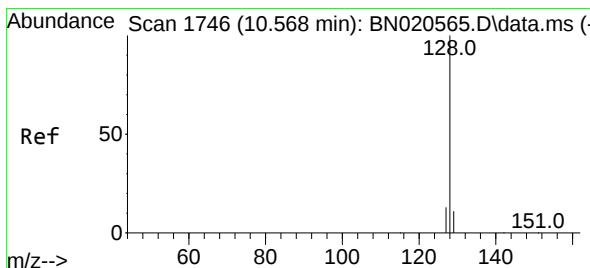
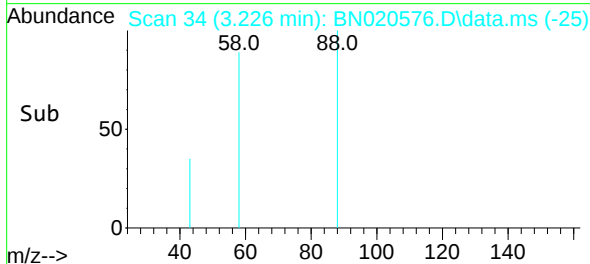
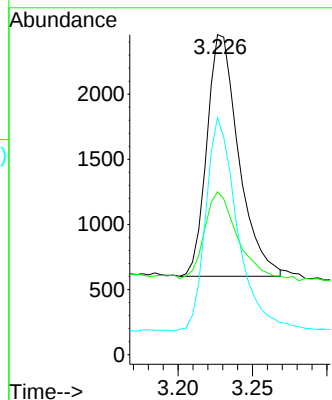
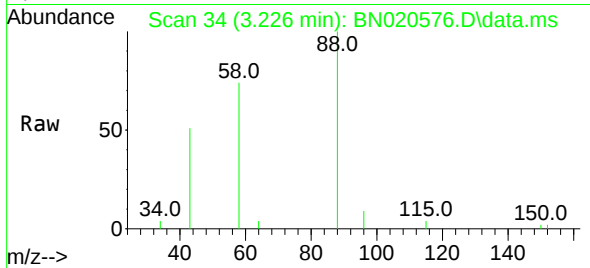




#2  
 1,4-Dioxane  
 Concen: 0.742 ng/ul  
 RT: 3.226 min Scan# 34  
 Delta R.T. -0.013 min  
 Lab File: BN020576.D  
 Acq: 29 Jun 2022 19:08

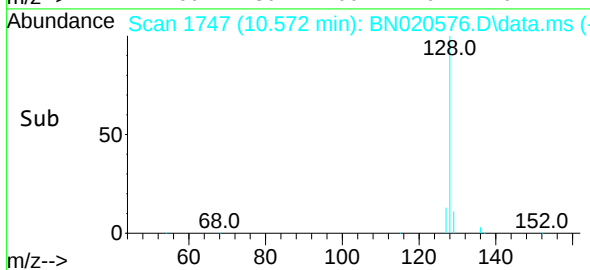
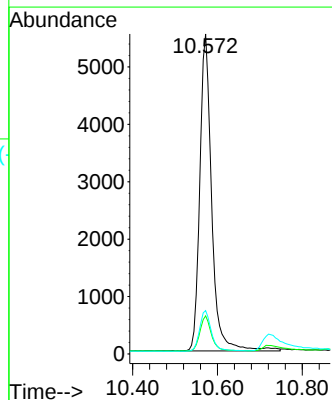
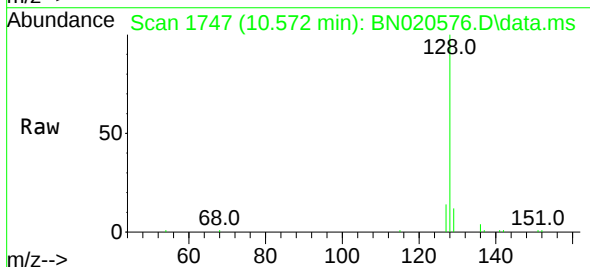
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 ClientSampleId :  
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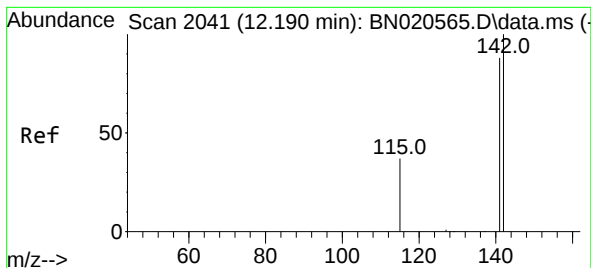
Tgt Ion: 88 Resp: 2762  
 Ion Ratio Lower Upper  
 88 100  
 43 50.9 32.5 48.7#  
 58 74.1 46.2 69.2#



#5  
 Naphthalene  
 Concen: 0.329 ng/ul  
 RT: 10.572 min Scan# 1747  
 Delta R.T. -0.011 min  
 Lab File: BN020576.D  
 Acq: 29 Jun 2022 19:08

Tgt Ion: 128 Resp: 10705  
 Ion Ratio Lower Upper  
 128 100  
 129 11.9 9.5 14.3  
 127 13.5 11.3 16.9

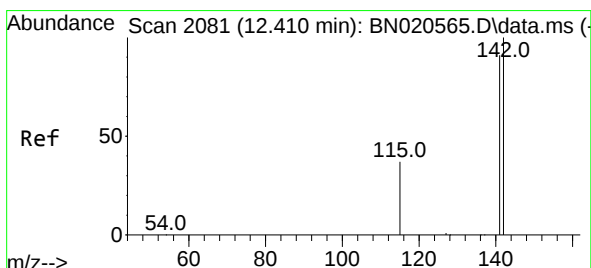
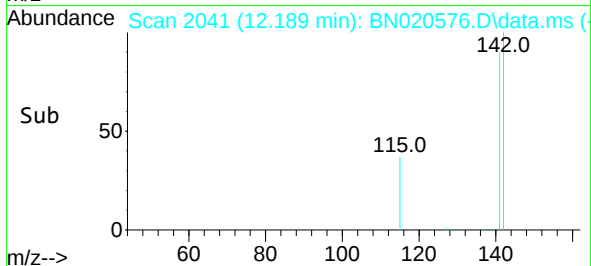
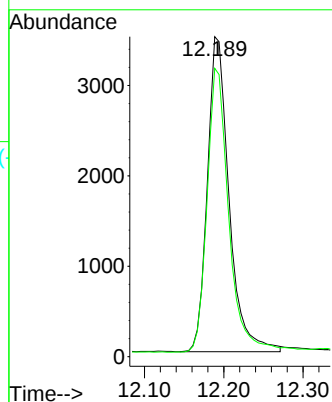
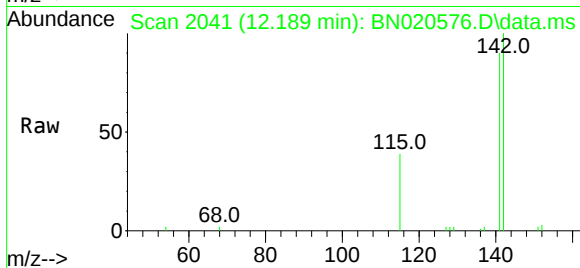




#7  
2-Methylnaphthalene  
Concen: 0.305 ng/ul  
RT: 12.189 min Scan# 2041  
Delta R.T. -0.016 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

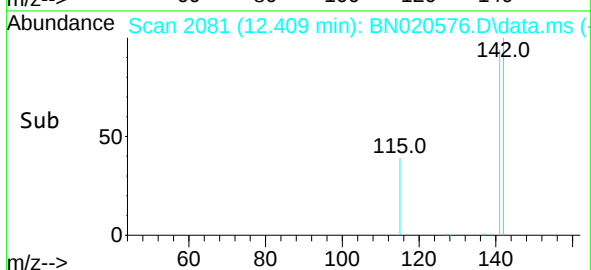
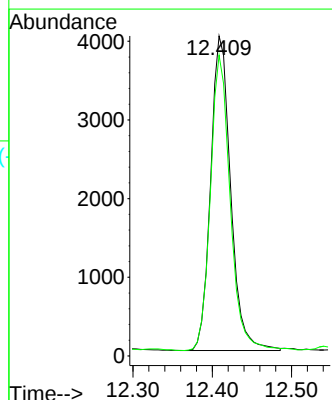
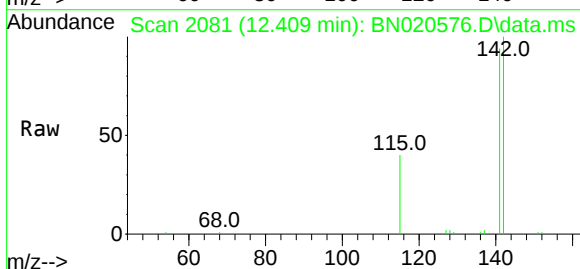
Instrument :  
BNA\_N  
ClientSampleId :  
EY0C9MSD

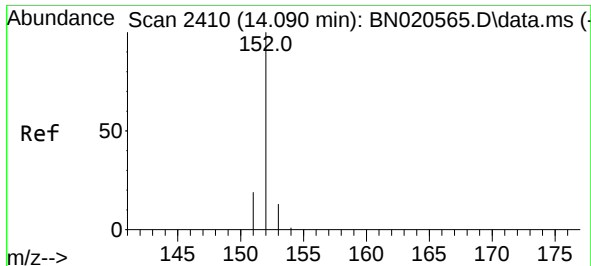
Tgt Ion:142 Resp: 6646  
Ion Ratio Lower Upper  
142 100  
141 89.8 72.1 108.1



#8  
1-Methylnaphthalene  
Concen: 0.340 ng/ul  
RT: 12.409 min Scan# 2081  
Delta R.T. -0.011 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:142 Resp: 7029  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.7 110.5

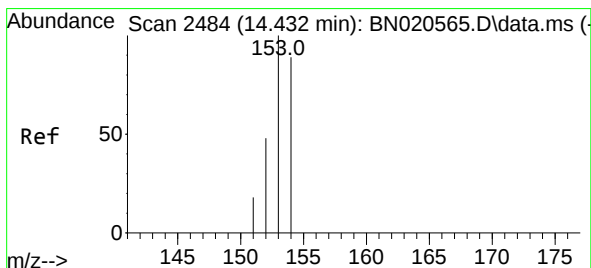
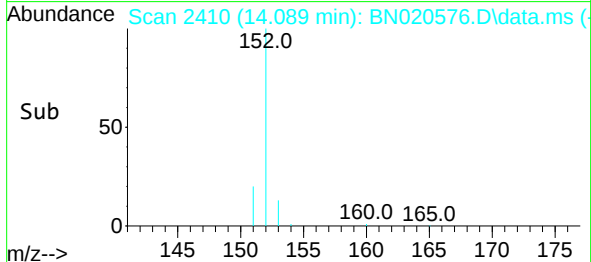
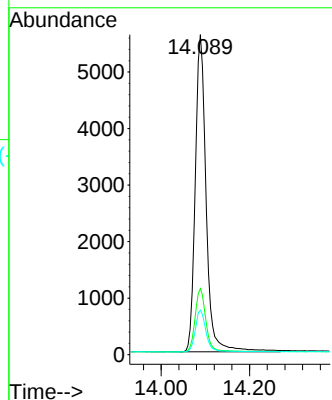
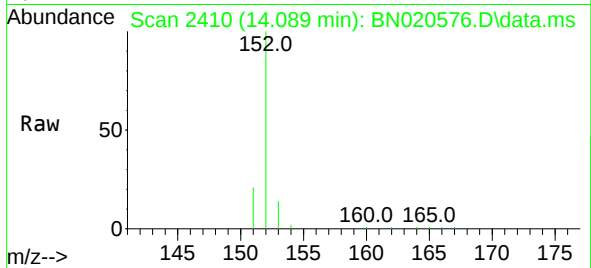




#10  
Acenaphthylene  
Concen: 0.333 ng/ul  
RT: 14.089 min Scan# 2410  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

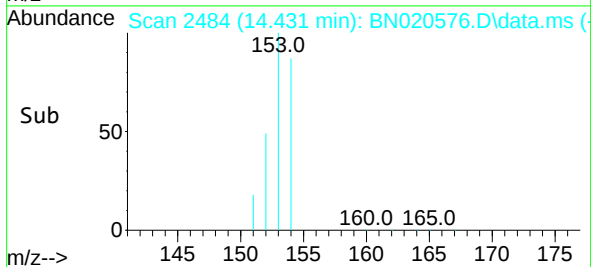
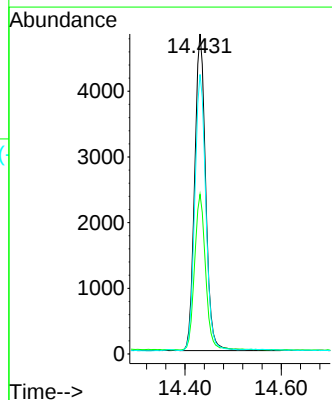
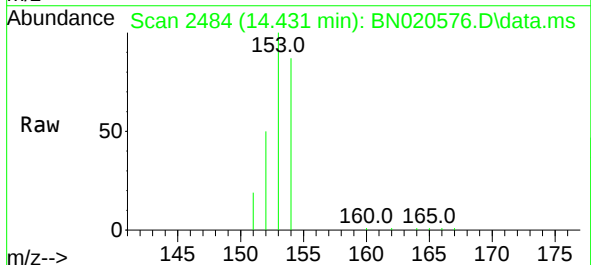
Instrument :  
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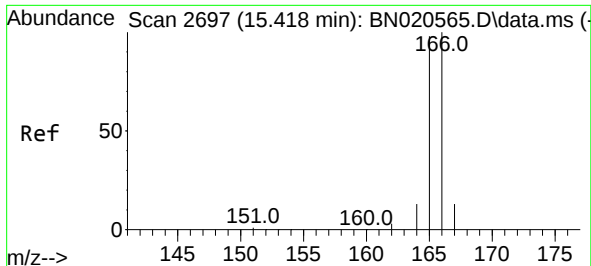
Tgt Ion:152 Resp: 9616  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.5 24.7  
153 13.9 11.1 16.7



#11  
Acenaphthene  
Concen: 0.332 ng/ul  
RT: 14.431 min Scan# 2484  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:153 Resp: 7685  
Ion Ratio Lower Upper  
153 100  
152 49.9 40.0 60.0  
154 87.3 70.0 105.0

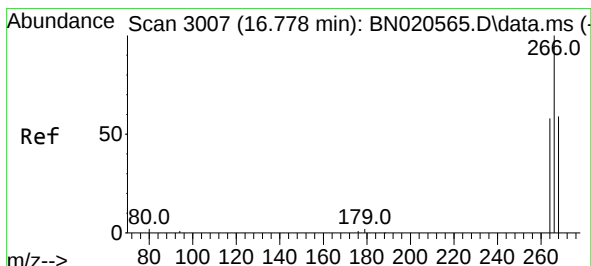
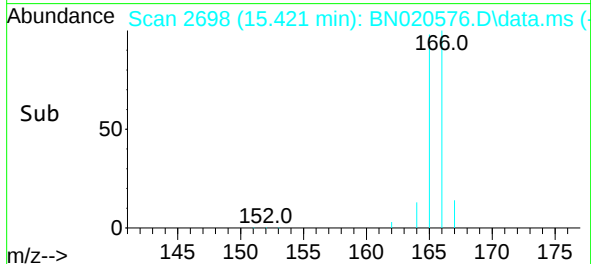
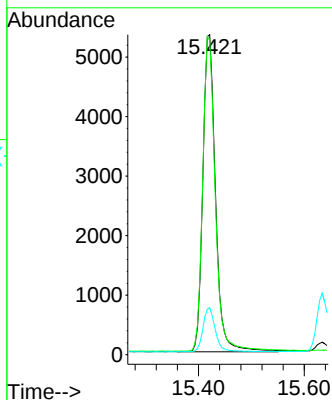
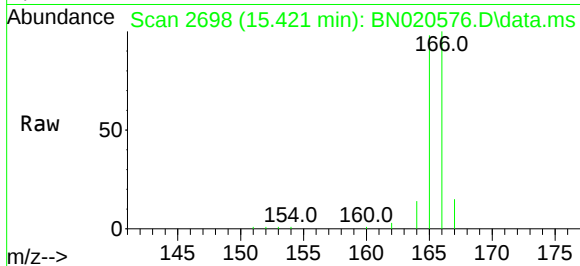




#12  
 Fluorene  
 Concen: 0.323 ng/ul  
 RT: 15.421 min Scan# 2697  
 Delta R.T. -0.009 min  
 Lab File: BN020576.D  
 Acq: 29 Jun 2022 19:08

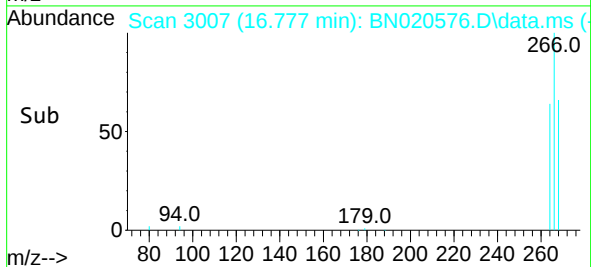
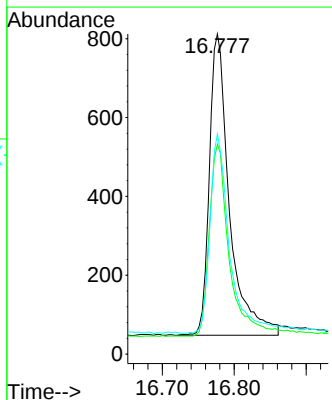
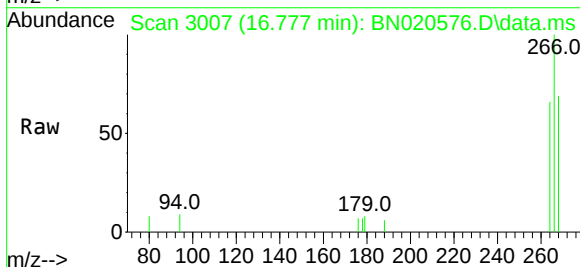
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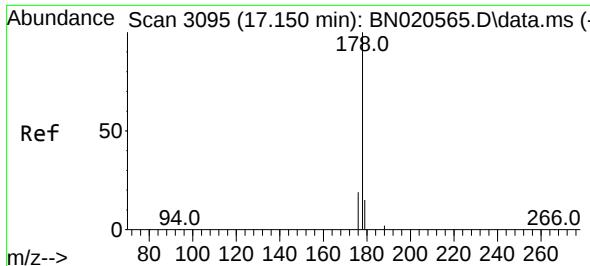
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|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 8843  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 98.2  | 78.2  | 117.2 |
| 167      | 14.7  | 11.3  | 16.9  |



#14  
 Pentachlorophenol  
 Concen: 0.587 ng/ul  
 RT: 16.777 min Scan# 3007  
 Delta R.T. -0.008 min  
 Lab File: BN020576.D  
 Acq: 29 Jun 2022 19:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 1479  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 62.7  | 51.6  | 77.4  |
| 268      | 64.0  | 51.5  | 77.3  |

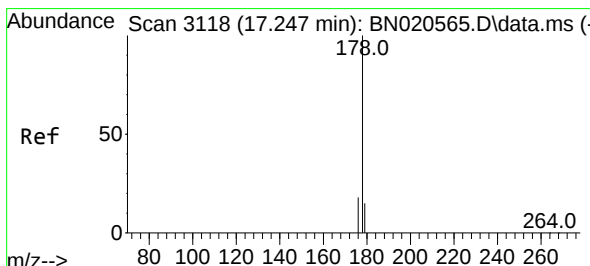
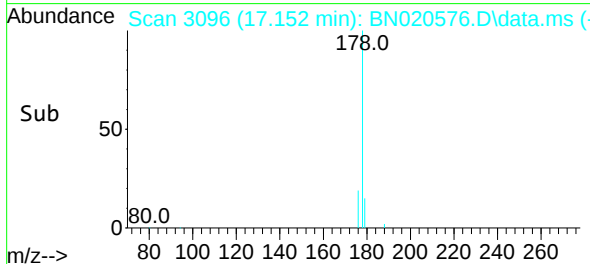
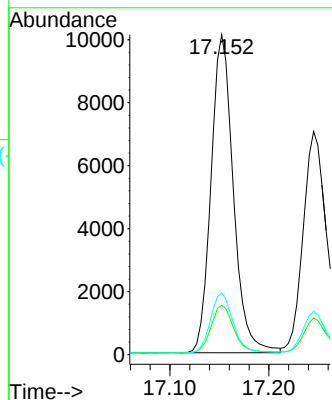
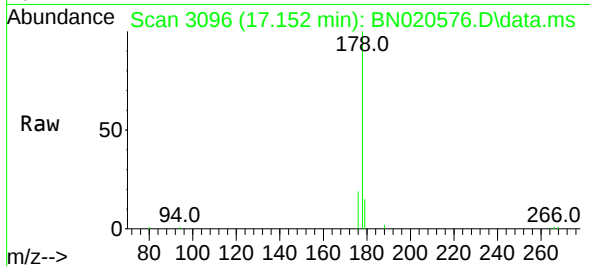




#15  
Phenanthrene  
Concen: 0.364 ng/ul  
RT: 17.152 min Scan# 3095  
Delta R.T. -0.008 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

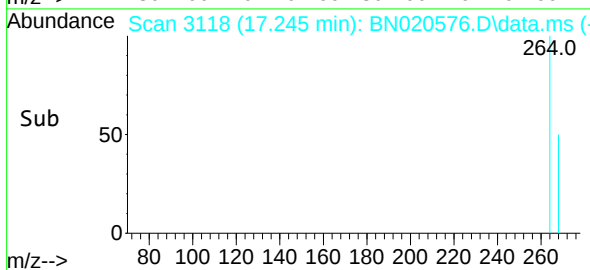
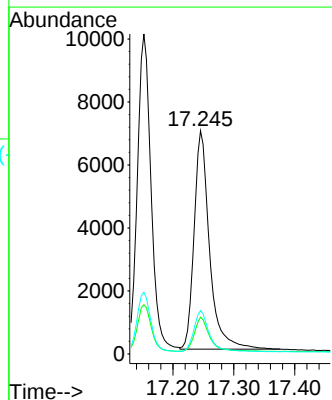
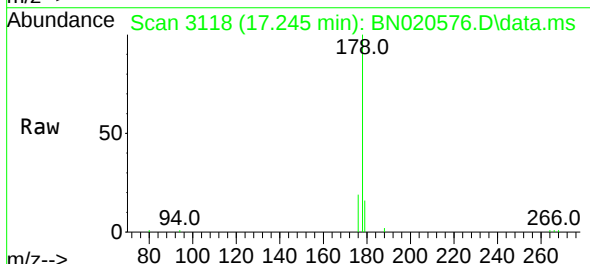
Instrument :  
BNA\_N  
ClientSampleId :  
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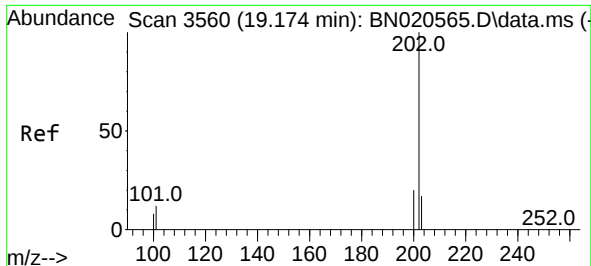
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179 15.4 12.6 18.8  
176 19.2 15.8 23.6



#16  
Anthracene  
Concen: 0.325 ng/ul  
RT: 17.245 min Scan# 3118  
Delta R.T. -0.008 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:178 Resp: 12197  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.8 19.2  
176 19.4 15.2 22.8

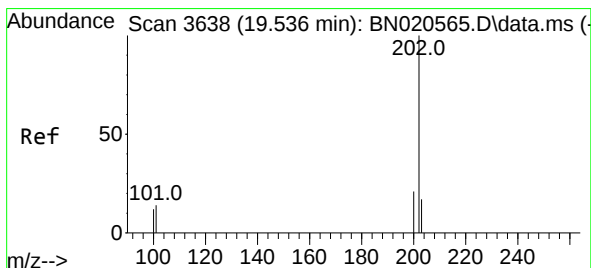
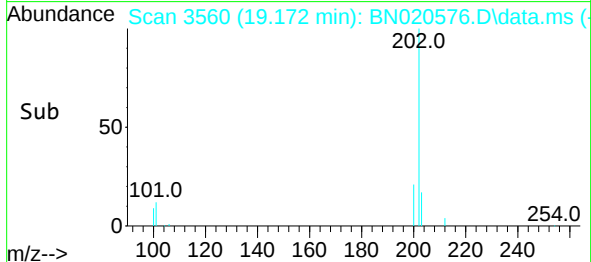
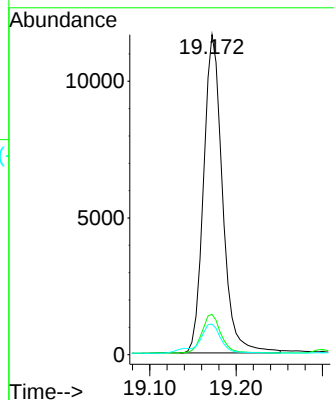
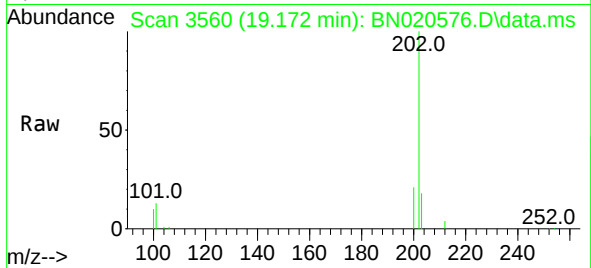




#19  
Fluoranthene  
Concen: 0.401 ng/ul  
RT: 19.172 min Scan# 3560  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

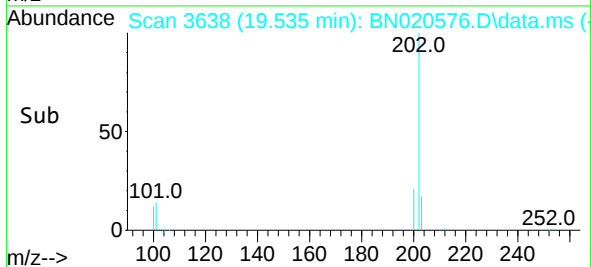
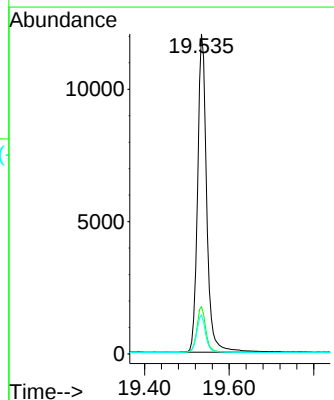
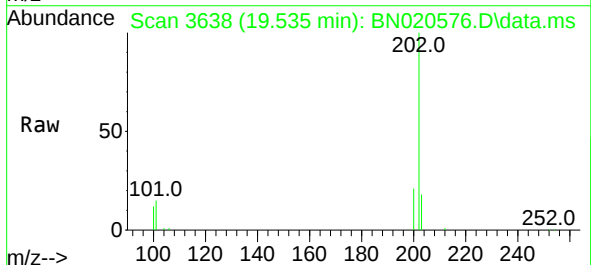
Instrument :  
BNA\_N  
ClientSampleId :  
EY0C9MSD

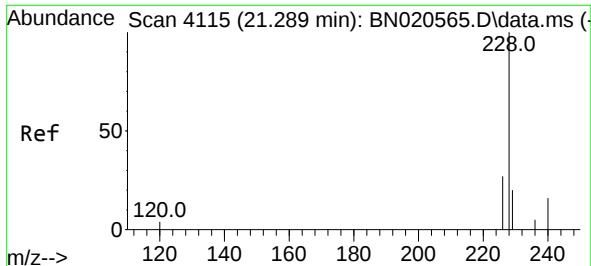
Tgt Ion:202 Resp: 17735  
Ion Ratio Lower Upper  
202 100  
101 12.6 10.3 15.5  
100 9.6 7.8 11.6



#20  
Pyrene  
Concen: 0.391 ng/ul  
RT: 19.535 min Scan# 3638  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:202 Resp: 17962  
Ion Ratio Lower Upper  
202 100  
101 14.7 11.6 17.4  
100 12.1 9.2 13.8

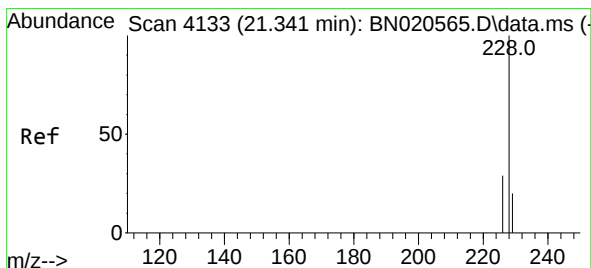
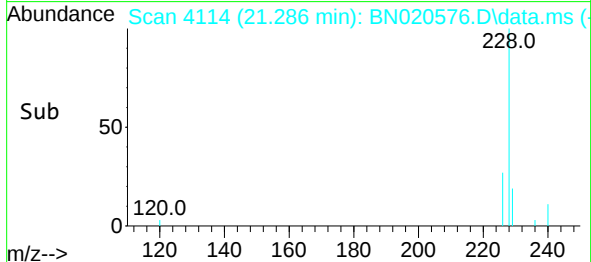
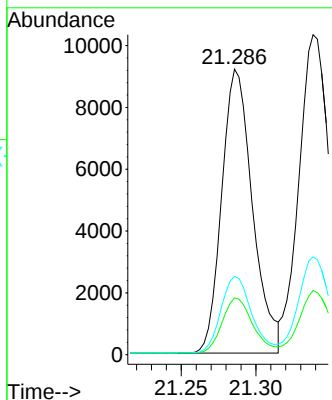
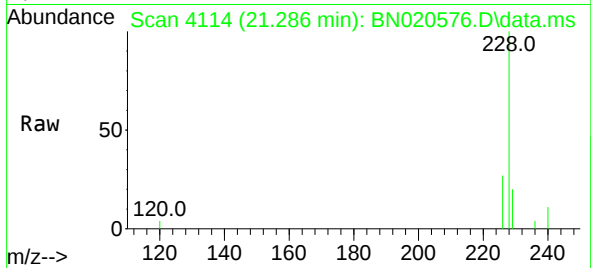




#21  
Benzo(a)anthracene  
Concen: 0.379 ng/ul  
RT: 21.286 min Scan# 4114  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

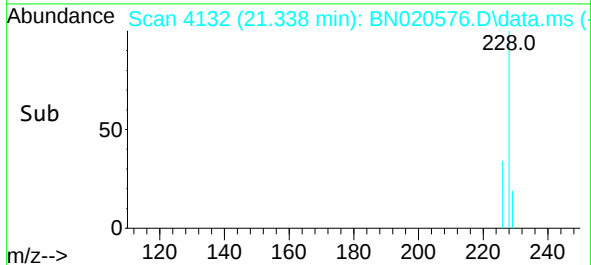
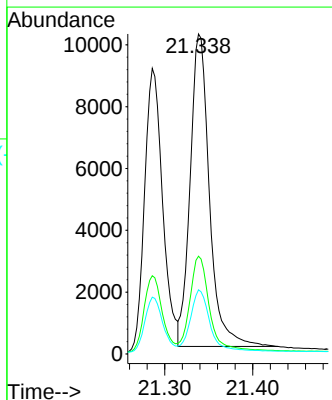
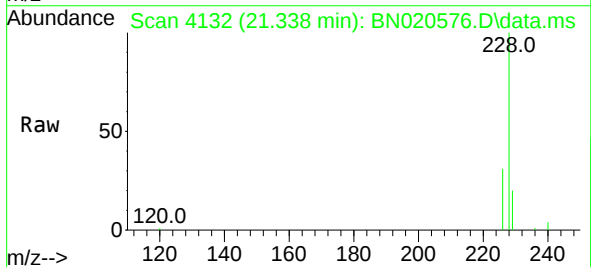
Instrument :  
BNA\_N  
ClientSampleId :  
EY0C9MSD

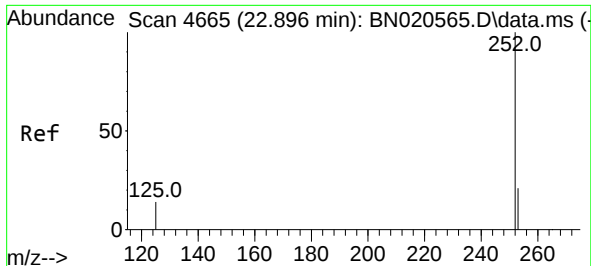
Tgt Ion:228 Resp: 13189  
Ion Ratio Lower Upper  
228 100  
229 19.9 15.9 23.9  
226 27.4 22.2 33.2



#22  
Chrysene  
Concen: 0.397 ng/ul  
RT: 21.338 min Scan# 4132  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:228 Resp: 15393  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.9 35.9  
229 20.0 15.8 23.8

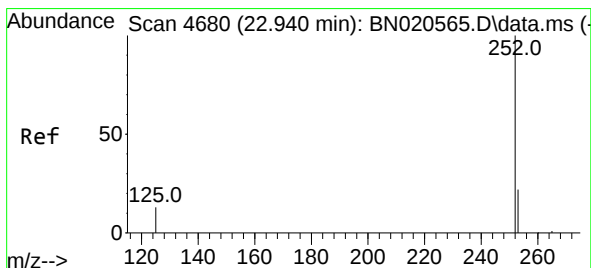
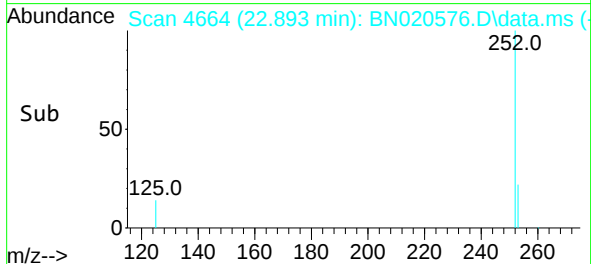
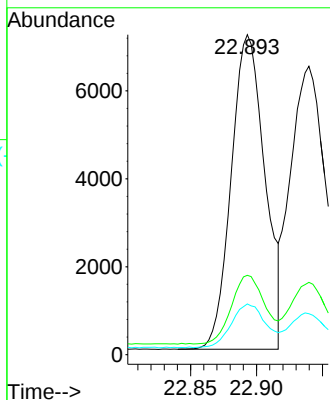
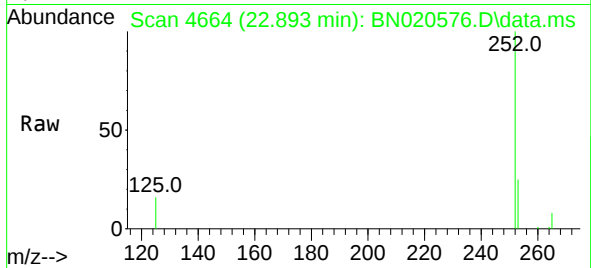




#24  
Benzo(b)fluoranthene  
Concen: 0.390 ng/ul  
RT: 22.893 min Scan# 4664  
Delta R.T. -0.012 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

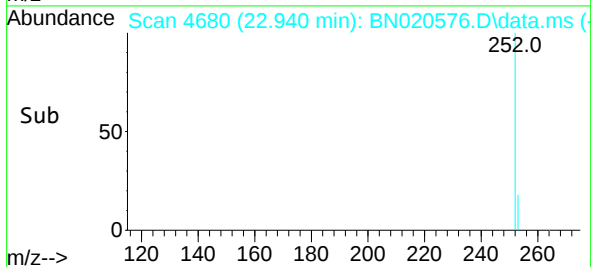
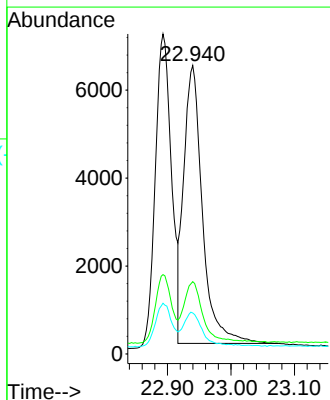
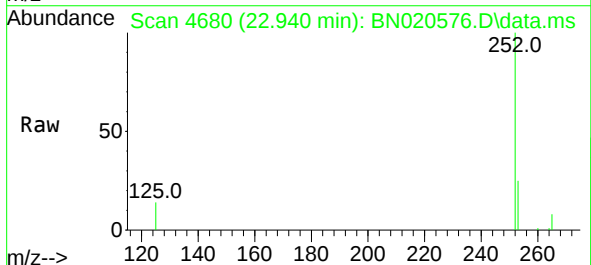
Instrument :  
BNA\_N  
ClientSampleId :  
EY0C9MSD

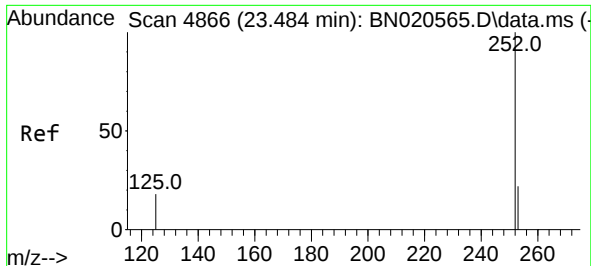
Tgt Ion:252 Resp: 12723  
Ion Ratio Lower Upper  
252 100  
253 24.8 0.0 48.6  
125 15.8 0.0 34.0



#25  
Benzo(k)fluoranthene  
Concen: 0.394 ng/ul  
RT: 22.940 min Scan# 4680  
Delta R.T. -0.012 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:252 Resp: 12974  
Ion Ratio Lower Upper  
252 100  
253 25.1 19.7 29.5  
125 14.2 12.0 18.0

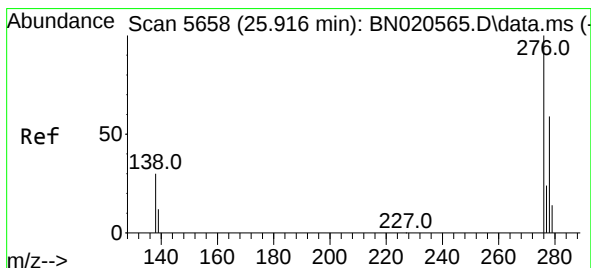
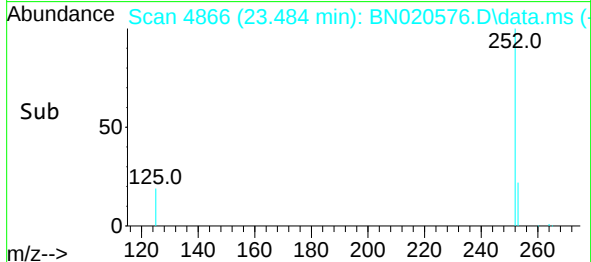
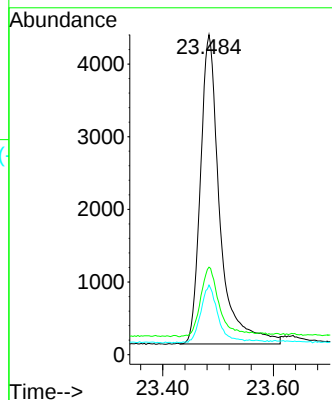
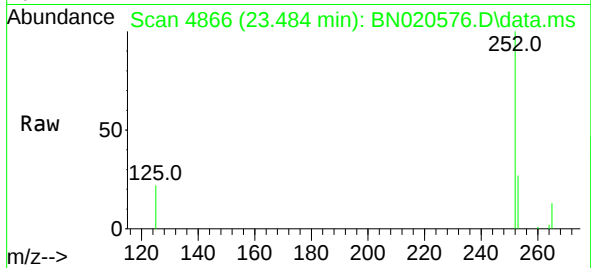




#26  
Benzo(a)pyrene  
Concen: 0.348 ng/ul  
RT: 23.484 min Scan# 4866  
Delta R.T. -0.009 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

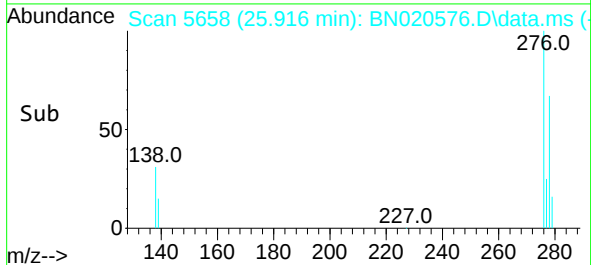
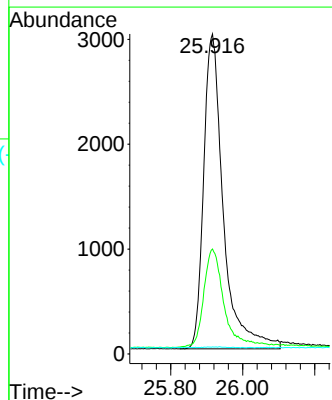
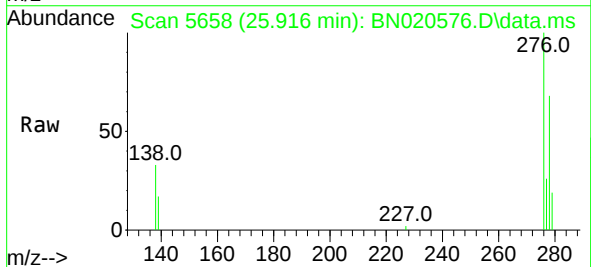
Instrument :  
BNA\_N  
ClientSampleId :  
EY0C9MSD

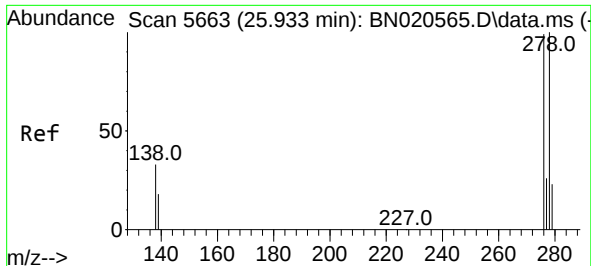
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 10321 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.3  | 21.0  | 31.4  |
| 125       | 21.7  | 18.8  | 28.2  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.386 ng/ul  
RT: 25.916 min Scan# 5658  
Delta R.T. -0.017 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 11383 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 33.1  | 27.4  | 41.2  |
| 227       | 0.1   | 0.2   | 0.2   |

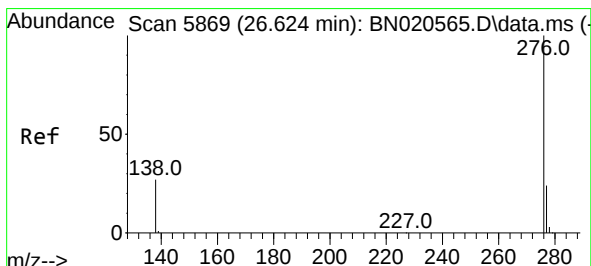
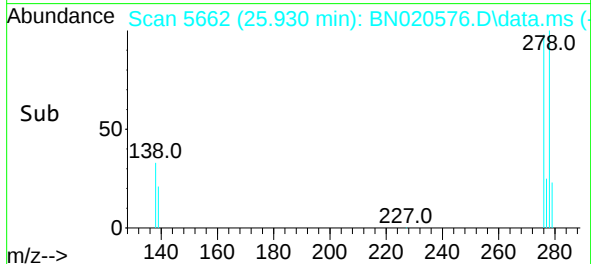
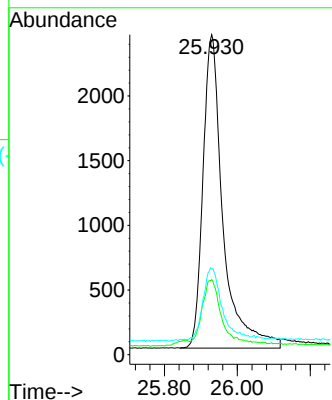
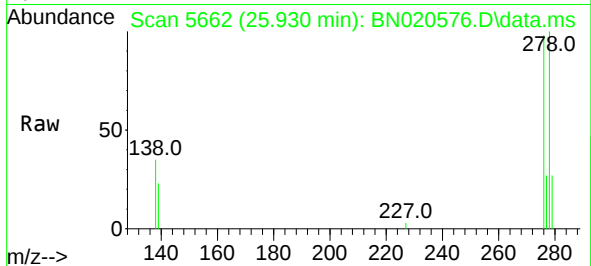




#28  
Dibenzo(a,h)anthracene  
Concen: 0.388 ng/ul  
RT: 25.930 min Scan# 51  
Delta R.T. -0.020 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Instrument :  
BNA\_N  
ClientSampleId :  
EY0C9MSD

Tgt Ion:278 Resp: 9242  
Ion Ratio Lower Upper  
278 100  
139 23.4 18.8 28.2  
279 26.8 21.4 32.0



#29  
Benzo(g,h,i)perylene  
Concen: 0.394 ng/ul  
RT: 26.627 min Scan# 5870  
Delta R.T. -0.020 min  
Lab File: BN020576.D  
Acq: 29 Jun 2022 19:08

Tgt Ion:276 Resp: 9958  
Ion Ratio Lower Upper  
276 100  
138 29.4 23.5 35.3  
277 25.3 20.1 30.1

