

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102122\  
 Data File : BN022267.D  
 Acq On : 21 Oct 2022 23:08  
 Operator : CG/JU  
 Sample : N5064-19  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS3

Quant Time: Oct 22 01:24:42 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 19 23:32:34 2022  
 Response via : Initial Calibration

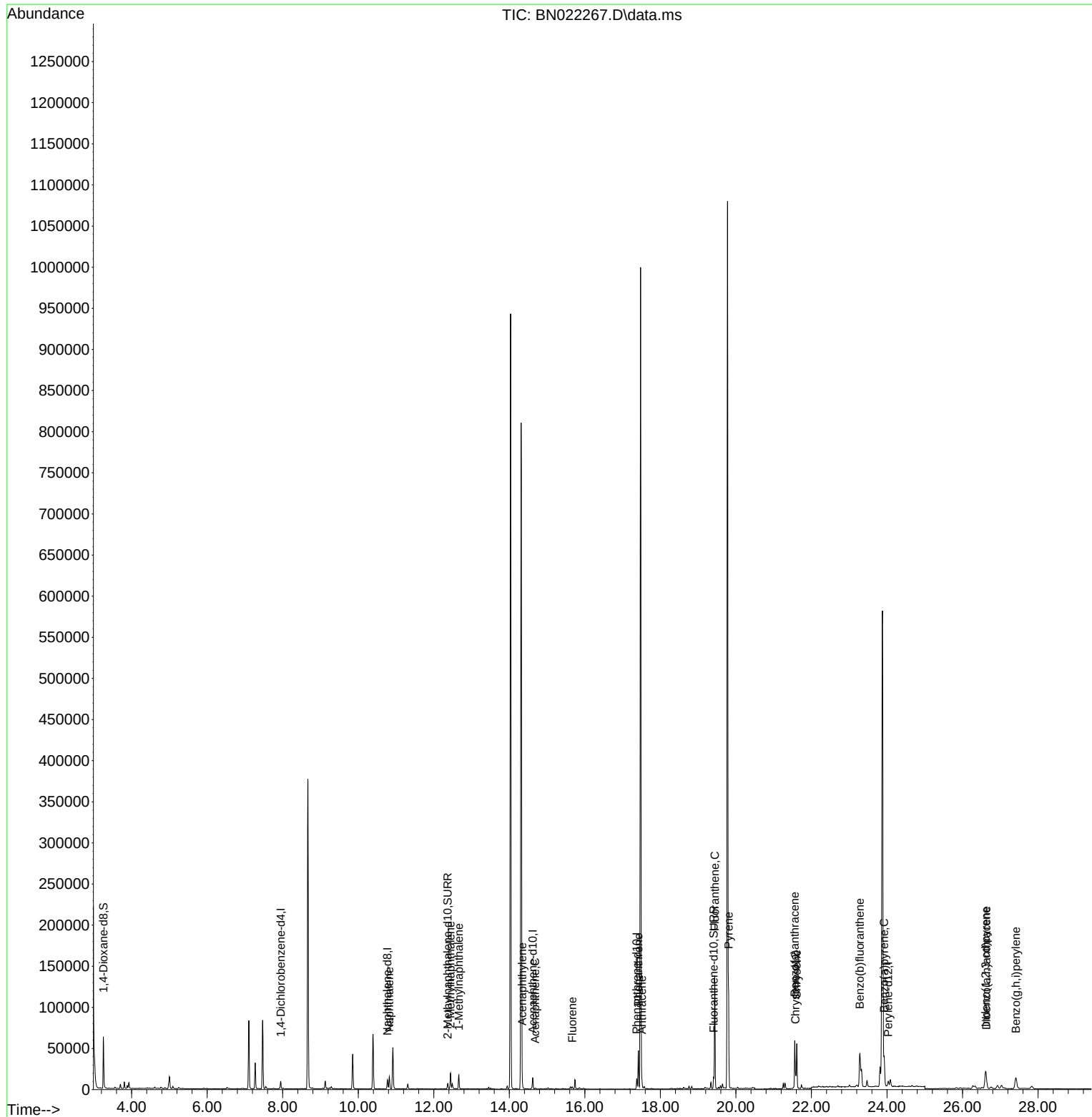
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.949  | 152  | 4487     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.772 | 136  | 14505    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.623 | 164  | 7569     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.374 | 188  | 13802    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.573 | 240  | 9693     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.034 | 264  | 9084     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.253  | 96   | 37640    | 6.455 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.367 | 152  | 8679     | 0.395 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.412 | 212  | 13738    | 0.422 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.822 | 128  | 20066    | 0.468 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.444 | 142  | 13633    | 0.505 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.664 | 142  | 11503    | 0.414 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.341 | 152  | 8172     | 0.241 | ng/ul# | 95       |
| 11) Acenaphthene            | 14.683 | 153  | 722      | 0.025 | ng/ul# | 93       |
| 12) Fluorene                | 15.669 | 166  | 1258     | 0.038 | ng/ul# | 89       |
| 15) Phenanthrene            | 17.417 | 178  | 47808    | 1.032 | ng/ul  | 99       |
| 16) Anthracene              | 17.509 | 178  | 8000     | 0.205 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.440 | 202  | 108162   | 2.436 | ng/ul  | 99       |
| 20) Pyrene                  | 19.807 | 202  | 88947    | 1.994 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.556 | 228  | 48048    | 1.323 | ng/ul  | 97       |
| 22) Chrysene                | 21.611 | 228  | 53690    | 1.395 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.280 | 252  | 95607    | 2.096 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.926 | 252  | 44972    | 1.237 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.612 | 276  | 37197    | 0.823 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.628 | 278  | 8871     | 0.246 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.417 | 276  | 30806    | 0.836 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

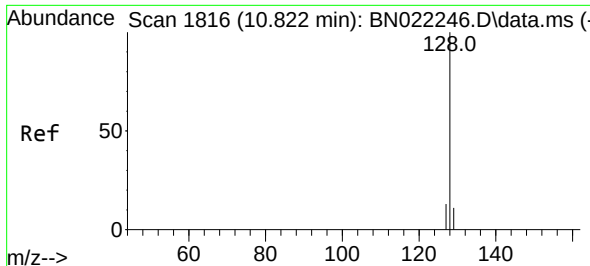
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102122\  
Data File : BN022267.D  
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Sample : N5064-19  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
C0BS3

Quant Time: Oct 22 01:24:42 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 19 23:32:34 2022  
Response via : Initial Calibration

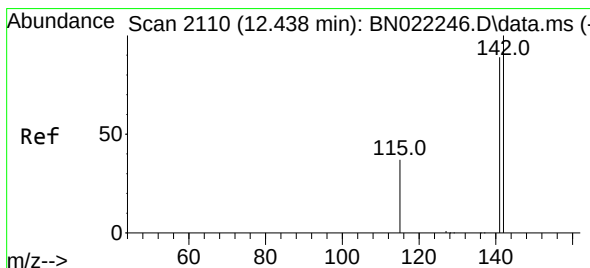
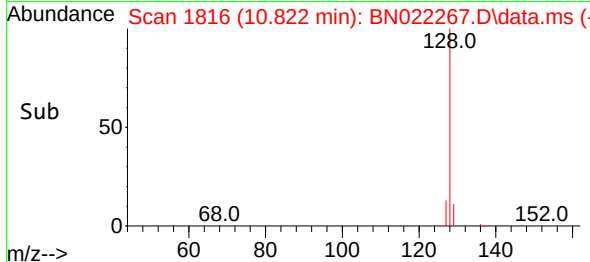
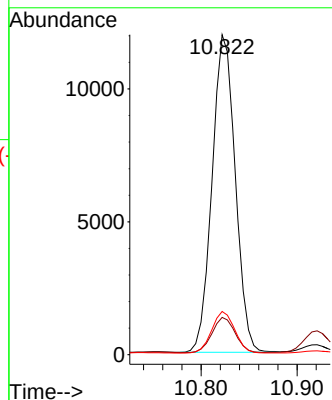
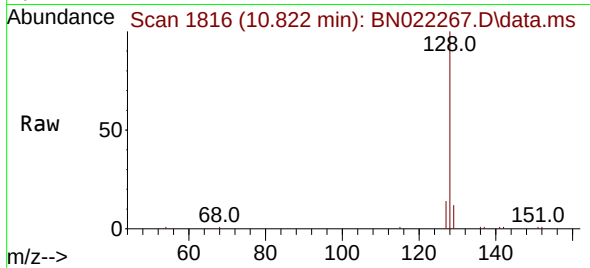




#5  
Naphthalene  
Concen: 0.468 ng/ul  
RT: 10.822 min Scan# 1816  
Delta R.T. -0.010 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

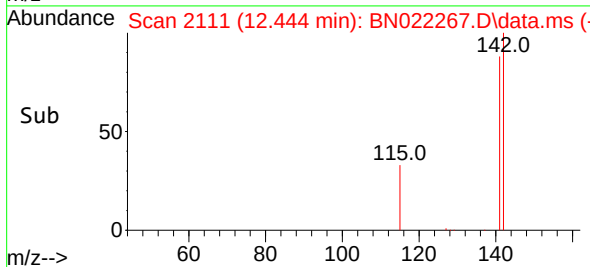
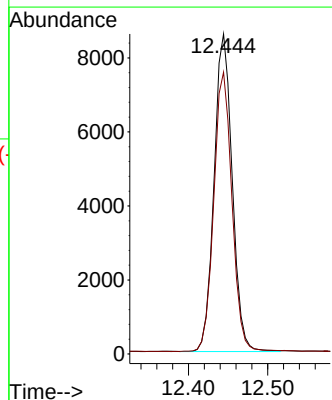
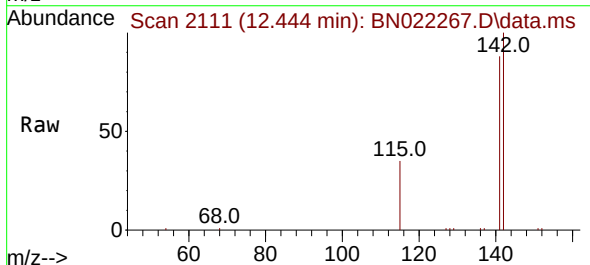
Instrument :  
BNA\_N  
ClientSampleId :  
C0BS3

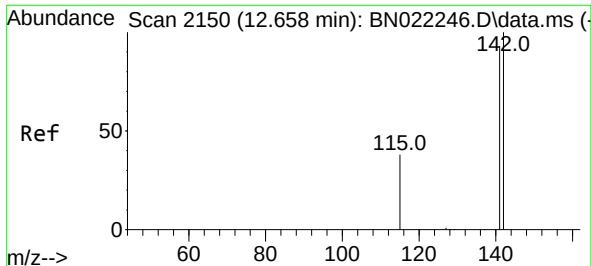
Tgt Ion:128 Resp: 20066  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.3 13.9  
127 13.5 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 0.505 ng/ul  
RT: 12.444 min Scan# 2111  
Delta R.T. -0.004 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

Tgt Ion:142 Resp: 13633  
Ion Ratio Lower Upper  
142 100  
141 88.3 71.1 106.7





#8

1-Methylnaphthalene

Concen: 0.414 ng/ul

RT: 12.664 min Scan# 2151

Delta R.T. -0.004 min

Lab File: BN022267.D

Acq: 21 Oct 2022 23:08

Instrument :

BNA\_N

ClientSampleId :

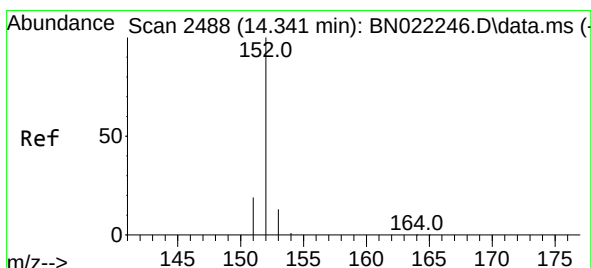
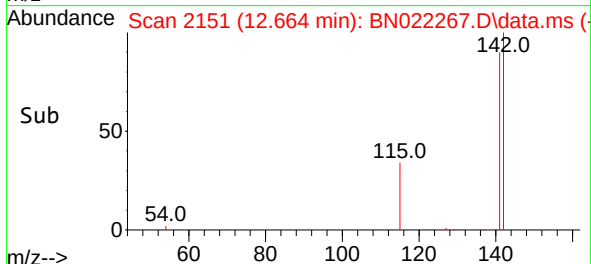
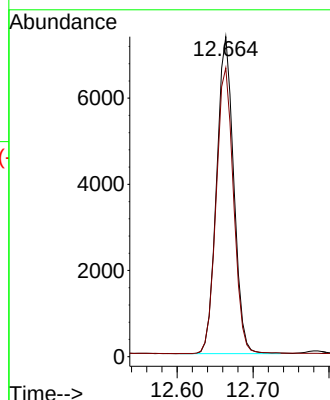
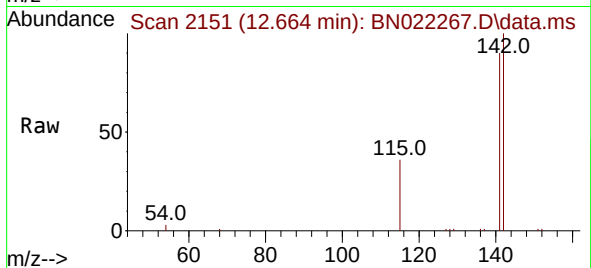
C0BS3

Tgt Ion:142 Resp: 11503

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9



#10

Acenaphthylene

Concen: 0.241 ng/ul

RT: 14.341 min Scan# 2488

Delta R.T. -0.008 min

Lab File: BN022267.D

Acq: 21 Oct 2022 23:08

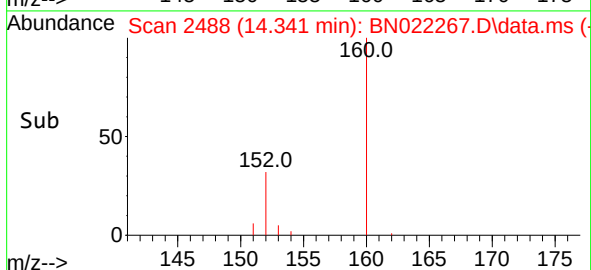
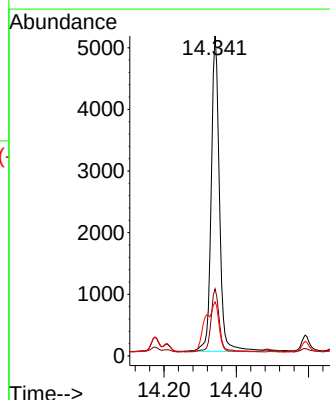
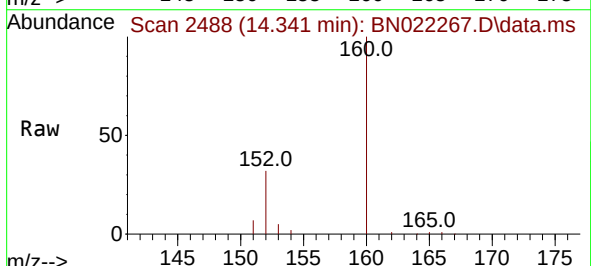
Tgt Ion:152 Resp: 8172

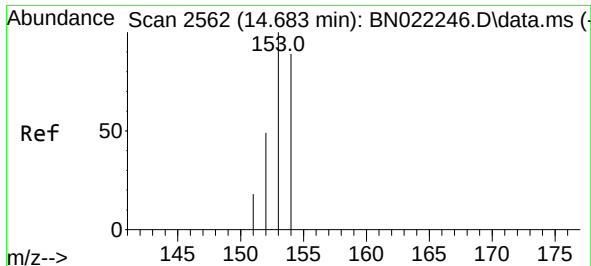
Ion Ratio Lower Upper

152 100

151 20.9 15.9 23.9

153 16.9 10.8 16.2#

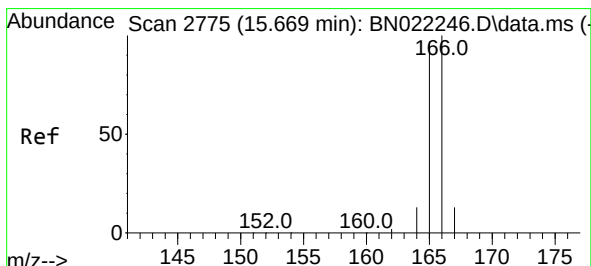
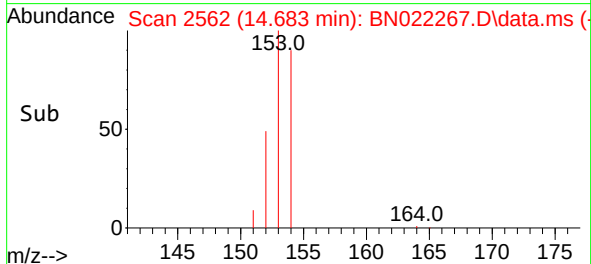
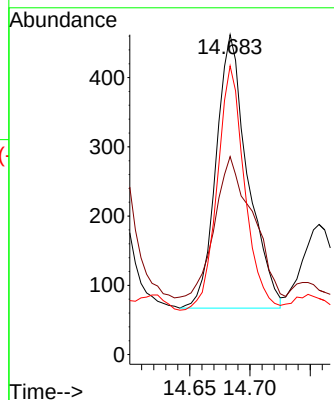
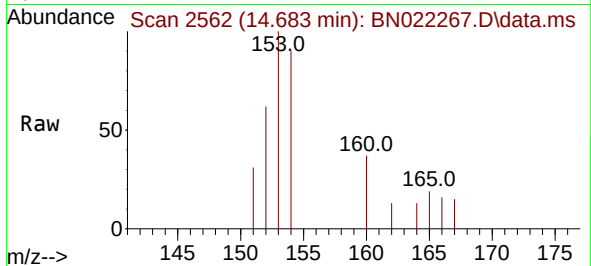




#11  
Acenaphthene  
Concen: 0.025 ng/ul  
RT: 14.683 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

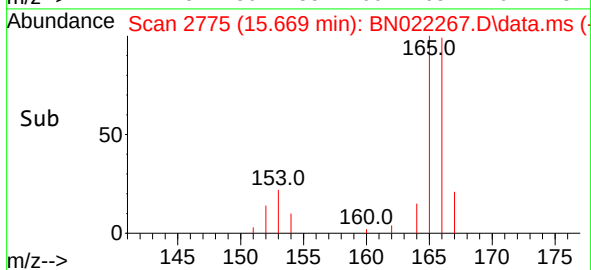
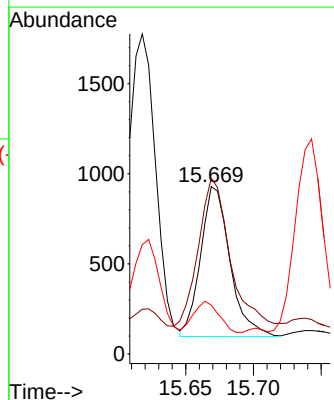
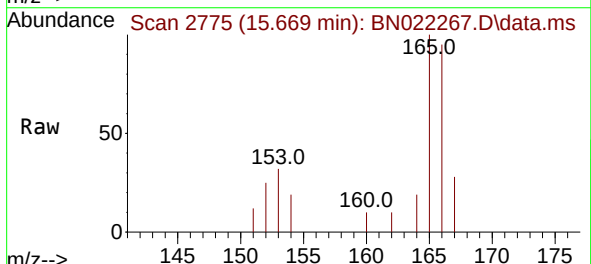
Instrument :  
BNA\_N  
ClientSampleId :  
C0BS3

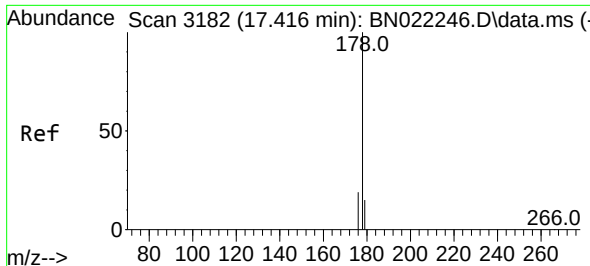
Tgt Ion:153 Resp: 722  
Ion Ratio Lower Upper  
153 100  
152 61.9 40.6 61.0#  
154 90.3 70.6 106.0



#12  
Fluorene  
Concen: 0.038 ng/ul  
RT: 15.669 min Scan# 2775  
Delta R.T. -0.008 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

Tgt Ion:166 Resp: 1258  
Ion Ratio Lower Upper  
166 100  
165 105.0 78.2 117.2  
167 29.2 11.0 16.4#

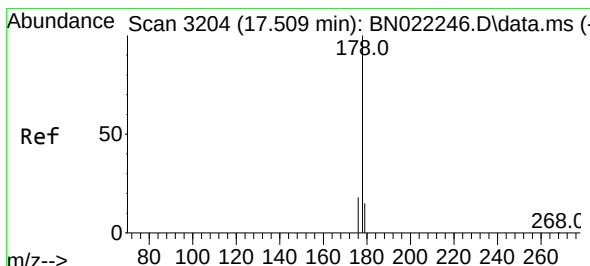
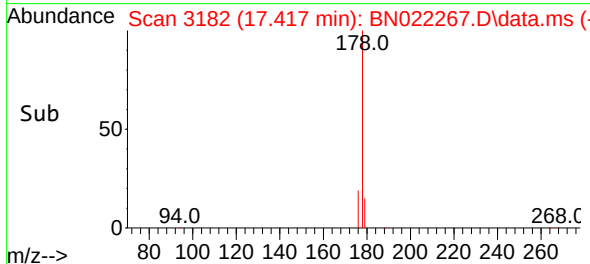
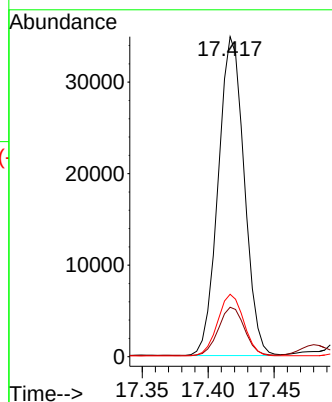
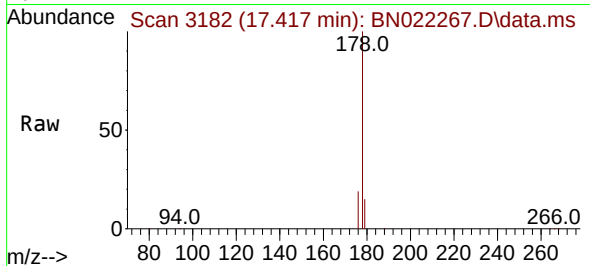




#15  
Phenanthrene  
Concen: 1.032 ng/ul  
RT: 17.417 min Scan# 3182  
Delta R.T. -0.007 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

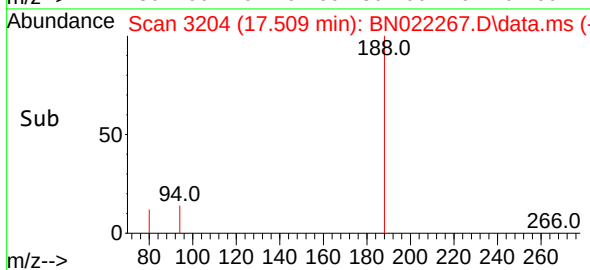
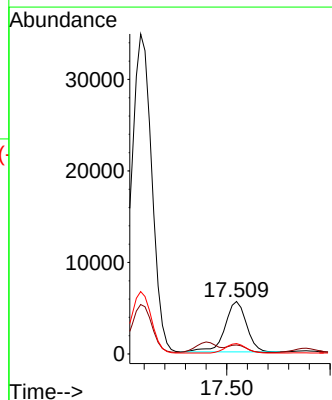
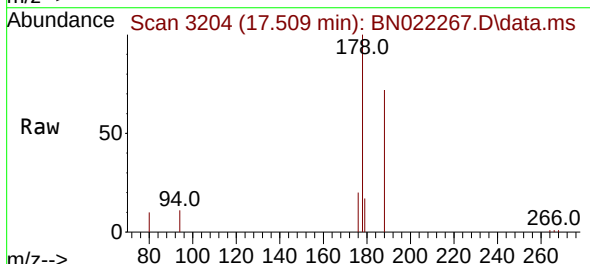
Instrument :  
BNA\_N  
ClientSampleId :  
C0BS3

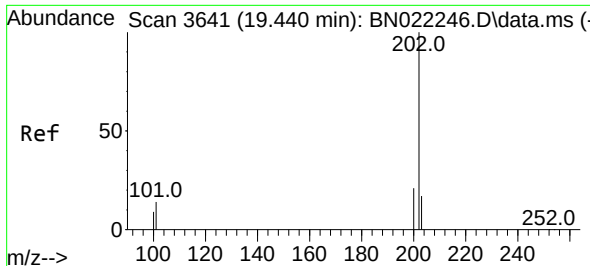
Tgt Ion:178 Resp: 47808  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.7 19.1  
176 19.5 15.4 23.2



#16  
Anthracene  
Concen: 0.205 ng/ul  
RT: 17.509 min Scan# 3204  
Delta R.T. -0.007 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

Tgt Ion:178 Resp: 8000  
Ion Ratio Lower Upper  
178 100  
179 17.1 12.6 18.8  
176 19.7 15.0 22.6

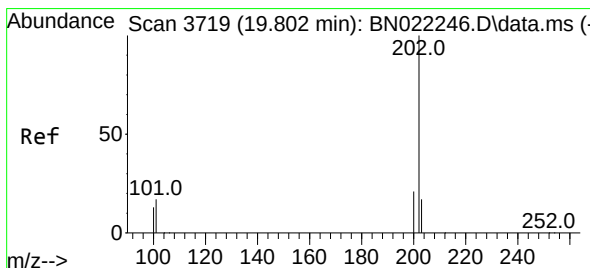
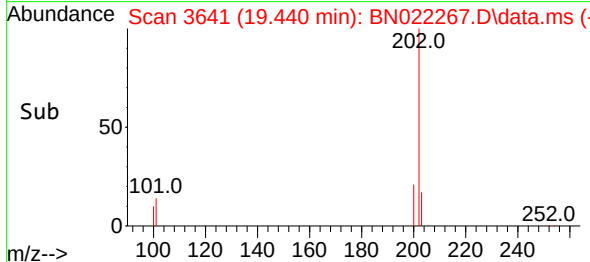
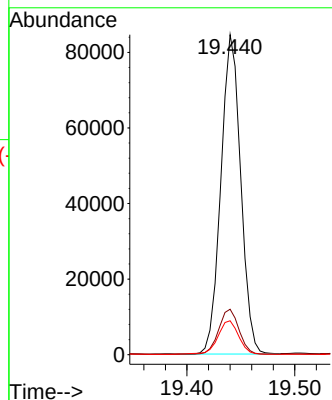
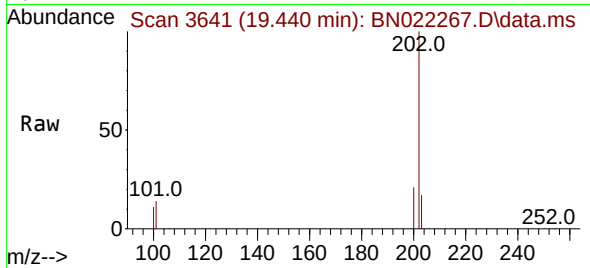




#19  
Fluoranthene  
Concen: 2.436 ng/ul  
RT: 19.440 min Scan# 3641  
Delta R.T. -0.003 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

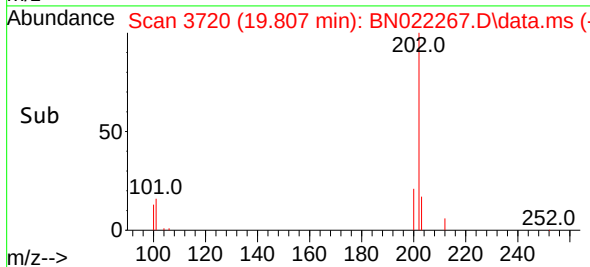
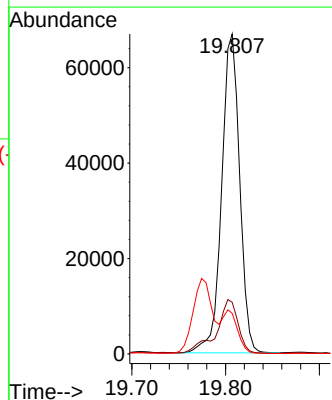
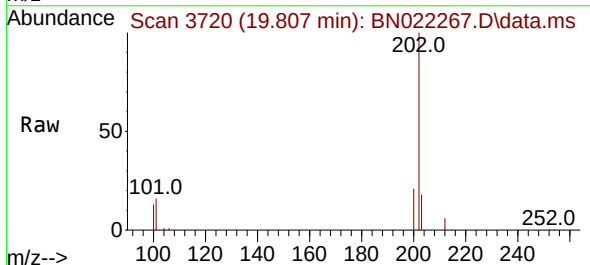
Instrument :  
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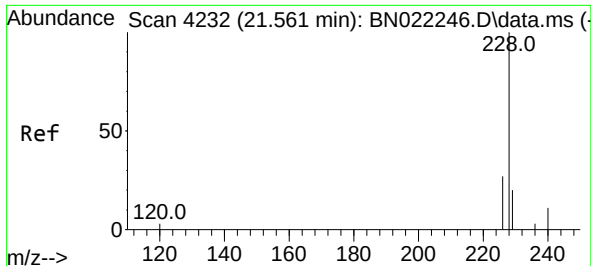
Tgt Ion:202 Resp: 108162  
Ion Ratio Lower Upper  
202 100  
101 14.2 11.8 17.6  
100 10.6 8.7 13.1



#20  
Pyrene  
Concen: 1.994 ng/ul  
RT: 19.807 min Scan# 3720  
Delta R.T. -0.003 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

Tgt Ion:202 Resp: 88947  
Ion Ratio Lower Upper  
202 100  
101 16.1 13.1 19.7  
100 12.7 10.6 16.0

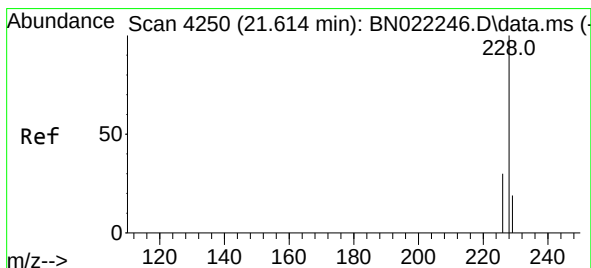
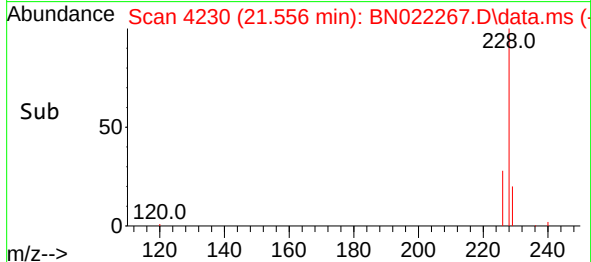
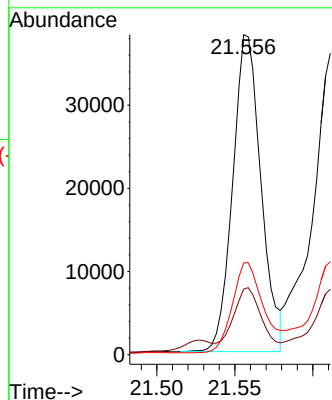
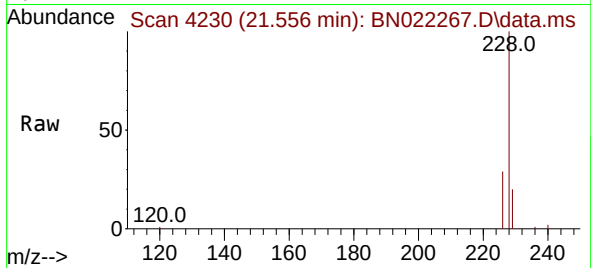




#21  
Benzo(a)anthracene  
Concen: 1.323 ng/ul  
RT: 21.556 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

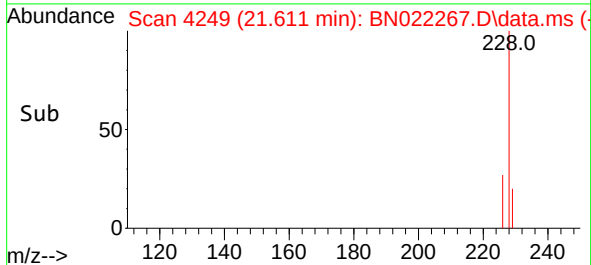
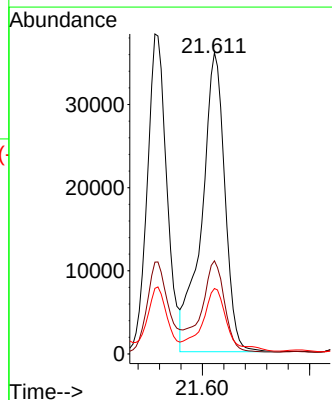
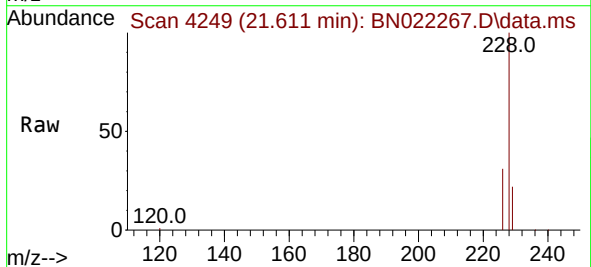
Instrument :  
BNA\_N  
ClientSampleId :  
C0BS3

Tgt Ion:228 Resp: 48048  
Ion Ratio Lower Upper  
228 100  
229 20.5 15.7 23.5  
226 28.7 21.5 32.3

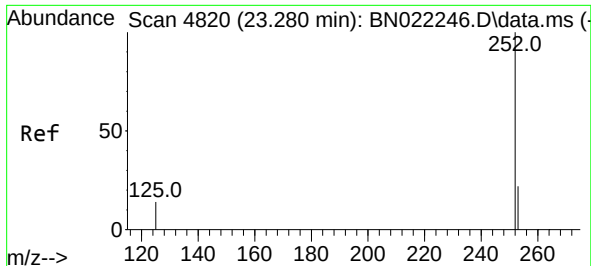


#22  
Chrysene  
Concen: 1.395 ng/ul  
RT: 21.611 min Scan# 4249  
Delta R.T. -0.009 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

Tgt Ion:228 Resp: 53690  
Ion Ratio Lower Upper  
228 100  
226 30.9 23.9 35.9  
229 21.7 15.9 23.9



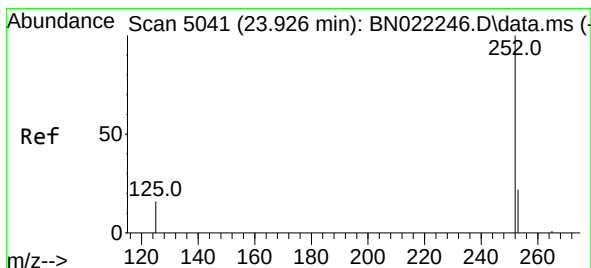
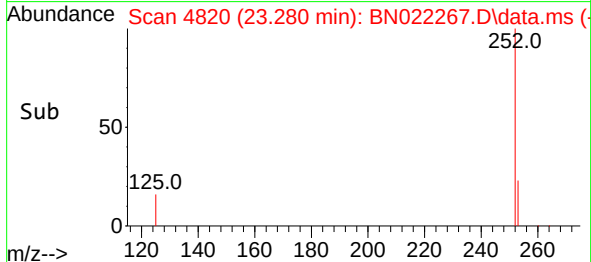
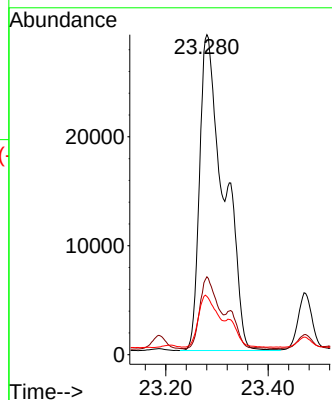
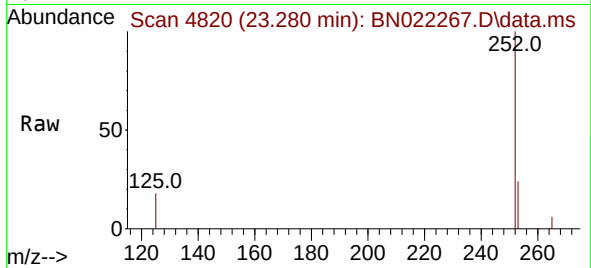




#24  
Benzo(b)fluoranthene  
Concen: 2.096 ng/ul  
RT: 23.280 min Scan# 4820  
Delta R.T. -0.009 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

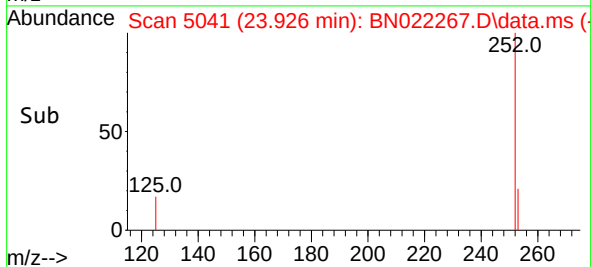
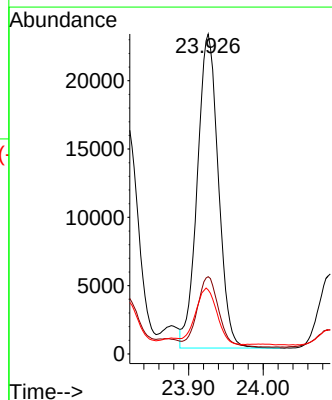
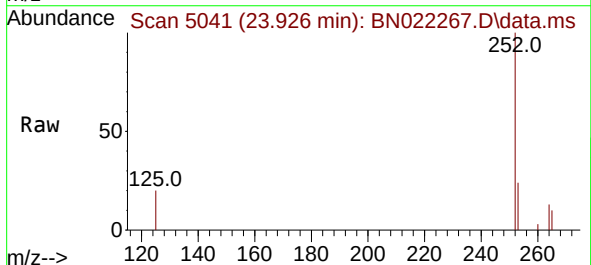
Instrument :  
BNA\_N  
ClientSampleId :  
C0BS3

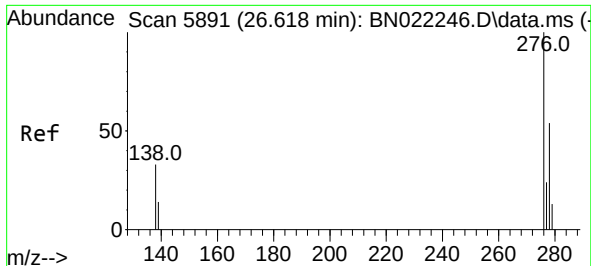
Tgt Ion:252 Resp: 95607  
Ion Ratio Lower Upper  
252 100  
253 24.4 0.0 49.0  
125 18.2 0.0 35.2



#26  
Benzo(a)pyrene  
Concen: 1.237 ng/ul  
RT: 23.926 min Scan# 5041  
Delta R.T. -0.009 min  
Lab File: BN022267.D  
Acq: 21 Oct 2022 23:08

Tgt Ion:252 Resp: 44972  
Ion Ratio Lower Upper  
252 100  
253 24.2 21.0 31.6  
125 20.0 17.9 26.9

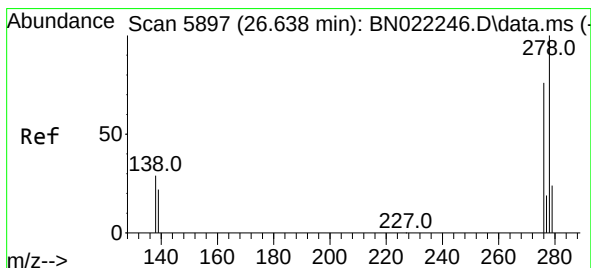
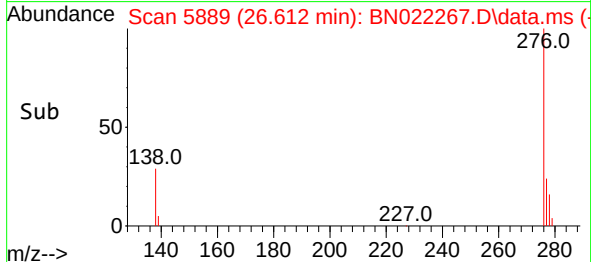
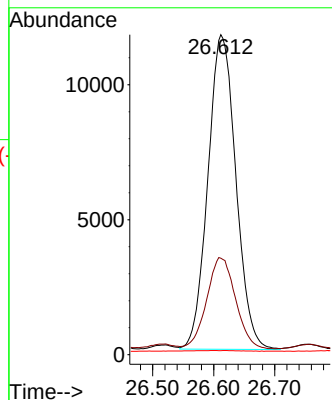
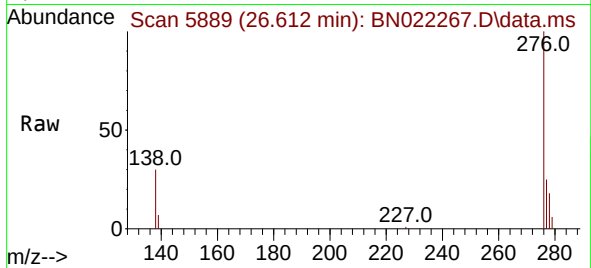




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.823 ng/ul  
 RT: 26.612 min Scan# 5889  
 Delta R.T. -0.024 min  
 Lab File: BN022267.D  
 Acq: 21 Oct 2022 23:08

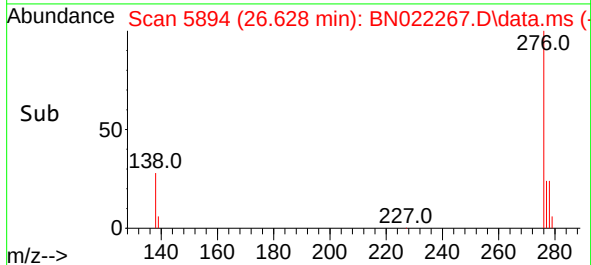
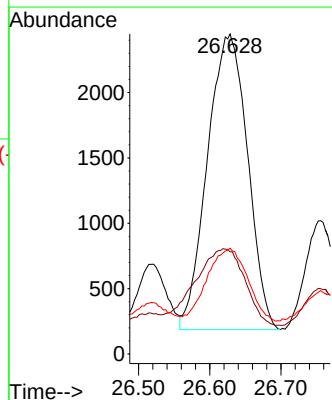
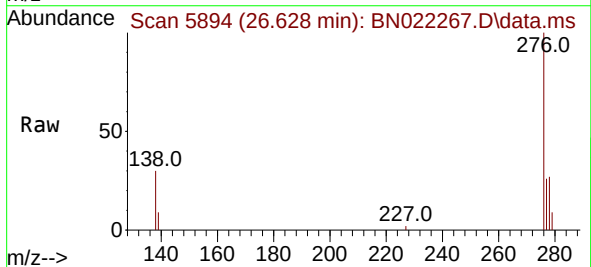
Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS3

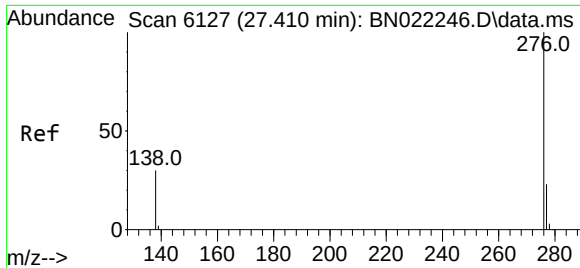
Tgt Ion:276 Resp: 37197  
 Ion Ratio Lower Upper  
 276 100  
 138 29.7 27.7 41.5  
 227 0.0 0.2 0.2#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.246 ng/ul  
 RT: 26.628 min Scan# 5894  
 Delta R.T. -0.027 min  
 Lab File: BN022267.D  
 Acq: 21 Oct 2022 23:08

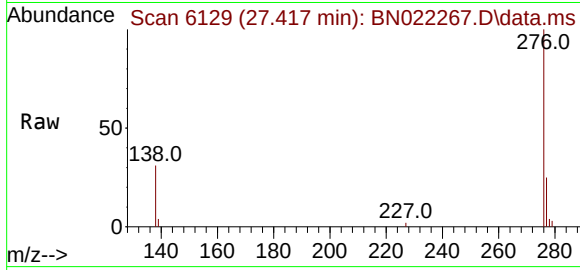
Tgt Ion:278 Resp: 8871  
 Ion Ratio Lower Upper  
 278 100  
 139 31.9 19.6 29.4#  
 279 33.0 20.6 30.8#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.836 ng/ul  
 RT: 27.417 min Scan# 61  
 Delta R.T. -0.014 min  
 Lab File: BN022267.D  
 Acq: 21 Oct 2022 23:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS3



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 30806 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 30.7  | 25.2  | 37.8  |
| 277       | 24.8  | 19.9  | 29.9  |

