

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082322\  
 Data File : BN021327.D  
 Acq On : 23 Aug 2022 14:00  
 Operator : CG/JU  
 Sample : PB147168BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS168

Quant Time: Aug 24 00:58:20 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN082222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 22 18:06:52 2022  
 Response via : Initial Calibration

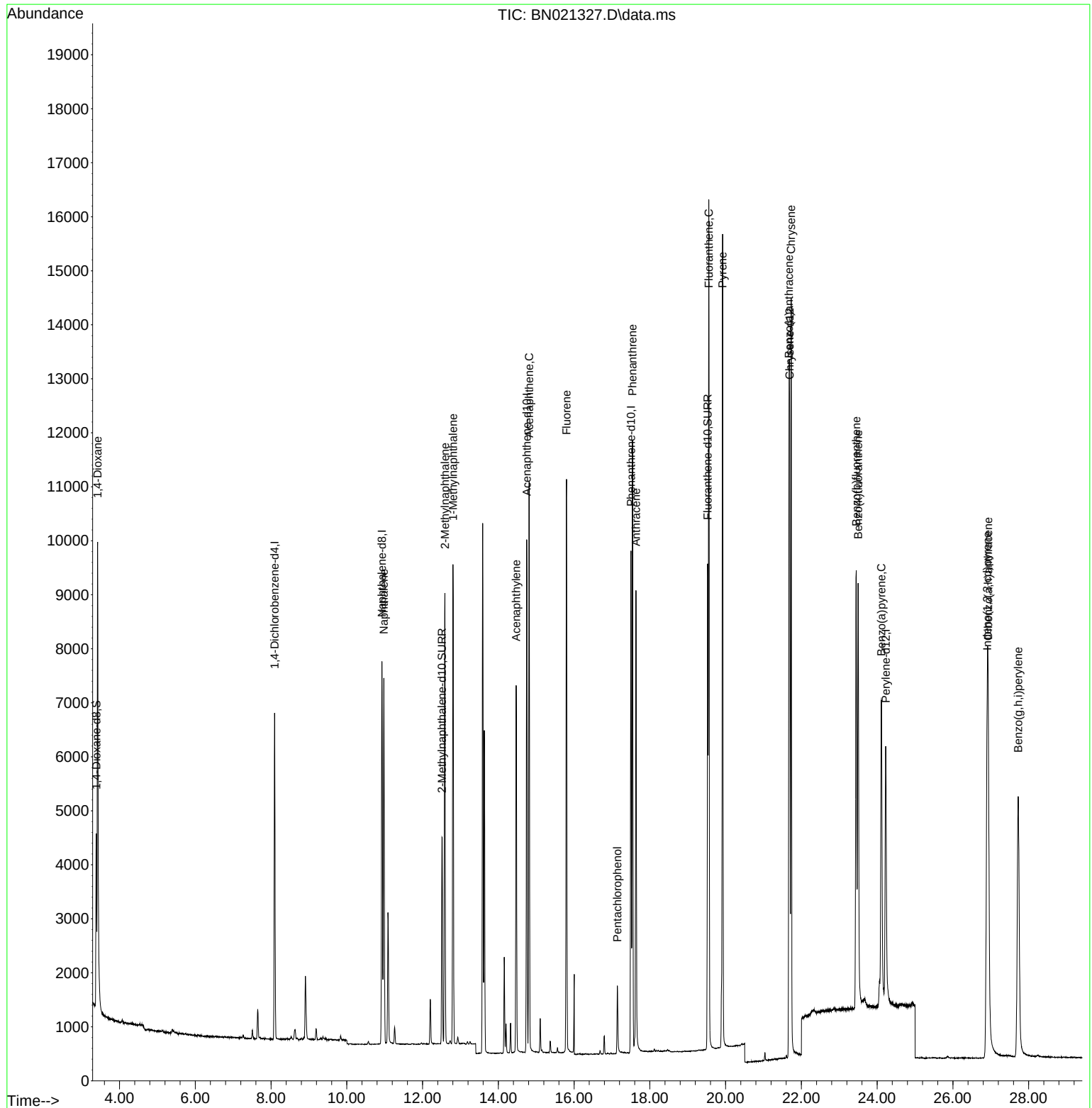
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.093  | 152  | 3096     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.927 | 136  | 9630     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.749 | 164  | 5174     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.502 | 188  | 10947    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.691 | 240  | 8979     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.228 | 264  | 7436     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.384  | 96   | 2491     | 0.624 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.511 | 152  | 4968     | 0.341 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.525 | 212  | 9606     | 0.347 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.422  | 88   | 6665     | 1.593 | ng/ul# | 91       |
| 5) Naphthalene              | 10.977 | 128  | 9254     | 0.303 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.588 | 142  | 5853     | 0.307 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.803 | 142  | 6127     | 0.343 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.472 | 152  | 7741     | 0.290 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.814 | 153  | 6146     | 0.301 | ng/ul  | 99       |
| 12) Fluorene                | 15.799 | 166  | 6877     | 0.301 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.143 | 266  | 921      | 0.762 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.540 | 178  | 11987    | 0.295 | ng/ul  | 99       |
| 16) Anthracene              | 17.633 | 178  | 9541     | 0.293 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.557 | 202  | 13080    | 0.307 | ng/ul  | 98       |
| 20) Pyrene                  | 19.920 | 202  | 12928    | 0.303 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.673 | 228  | 10295    | 0.331 | ng/ul  | 99       |
| 22) Chrysene                | 21.729 | 228  | 12635    | 0.316 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.448 | 252  | 11643    | 0.365 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.497 | 252  | 11767    | 0.342 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 24.111 | 252  | 10304    | 0.342 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.905 | 276  | 12160    | 0.344 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 26.932 | 278  | 10057    | 0.346 | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 27.723 | 276  | 11769    | 0.335 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

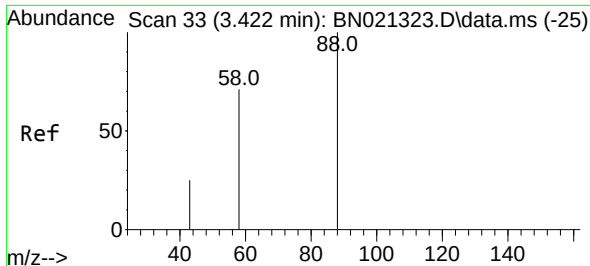
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082322\  
Data File : BN021327.D  
Acq On : 23 Aug 2022 14:00  
Operator : CG/JU  
Sample : PB147168BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Time: Aug 24 00:58:20 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN082222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 22 18:06:52 2022  
Response via : Initial Calibration

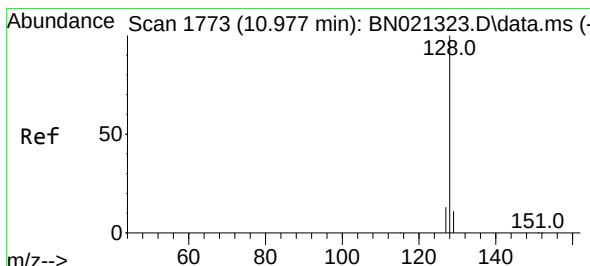
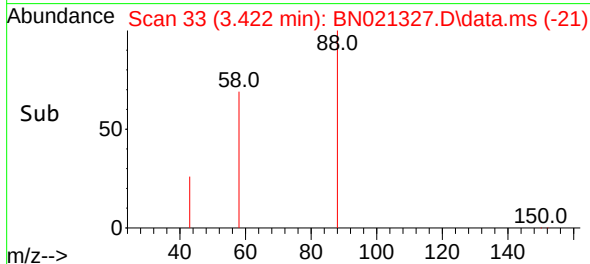
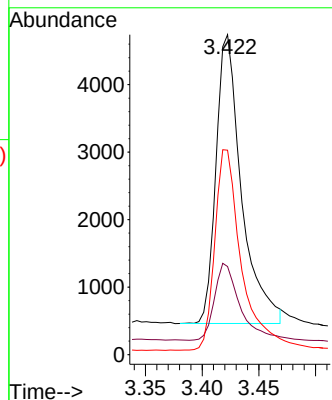
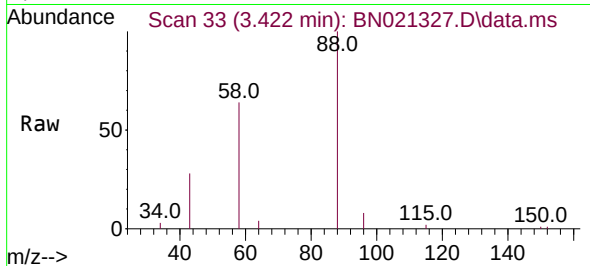




#2  
1,4-Dioxane  
Concen: 1.593 ng/ul  
RT: 3.422 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

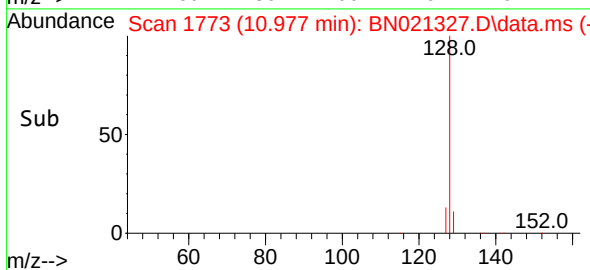
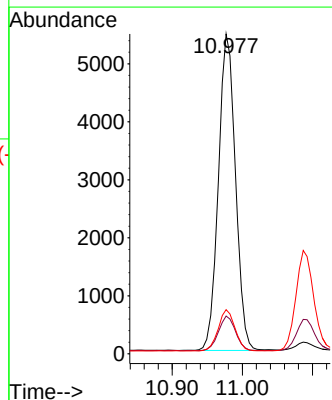
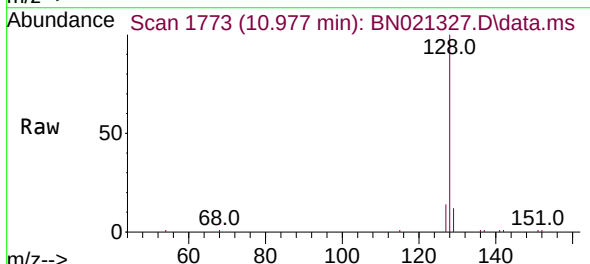
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ClientSampleId :  
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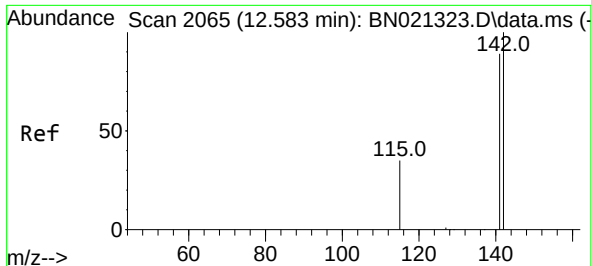
Tgt Ion: 88 Resp: 6665  
Ion Ratio Lower Upper  
88 100  
43 27.5 31.4 47.0#  
58 63.9 49.0 73.6



#5  
Naphthalene  
Concen: 0.303 ng/ul  
RT: 10.977 min Scan# 1773  
Delta R.T. -0.005 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion: 128 Resp: 9254  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.8 14.6  
127 13.8 11.6 17.4

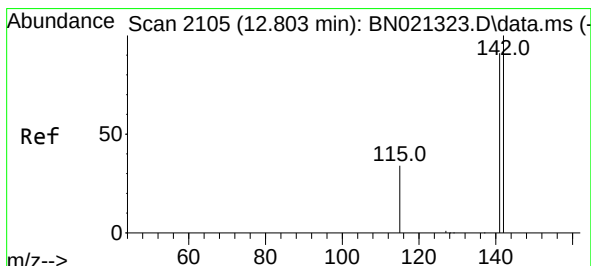
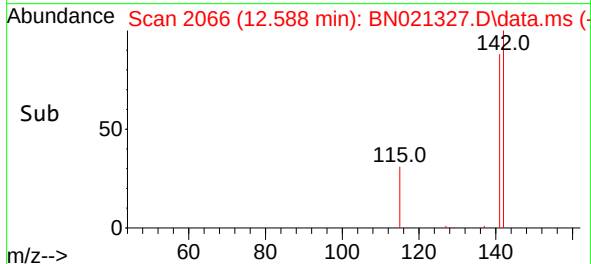
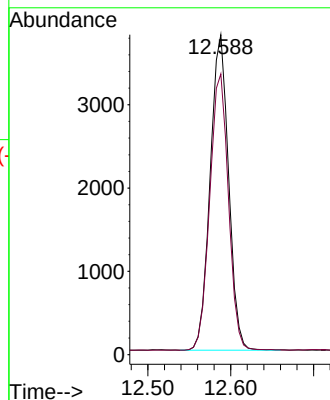
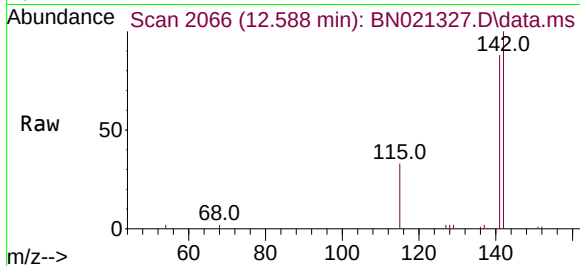




#7  
2-Methylnaphthalene  
Concen: 0.307 ng/ul  
RT: 12.588 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

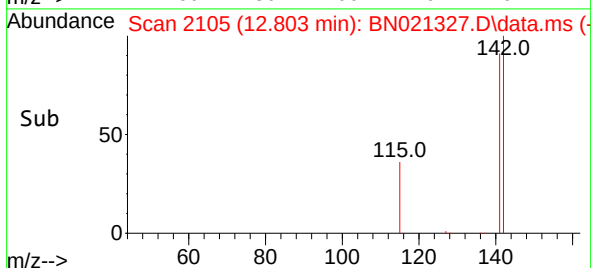
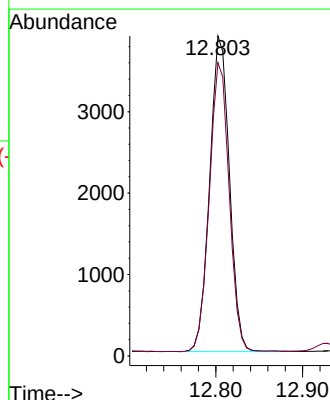
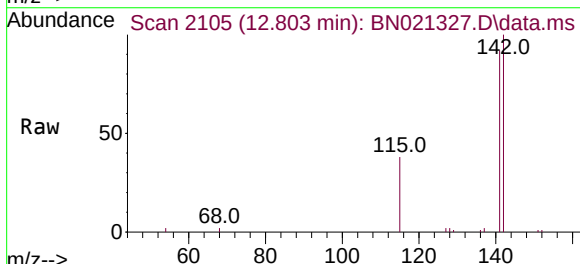
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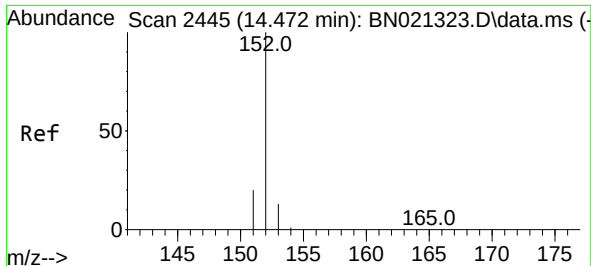
Tgt Ion:142 Resp: 5853  
Ion Ratio Lower Upper  
142 100  
141 88.7 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 0.343 ng/ul  
RT: 12.803 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion:142 Resp: 6127  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.9 110.9

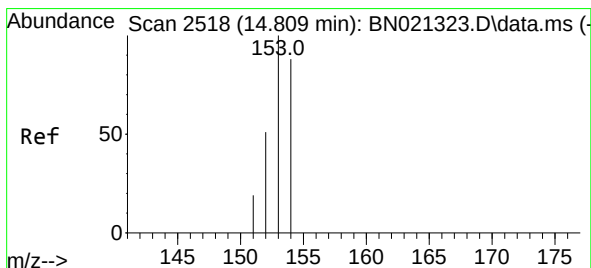
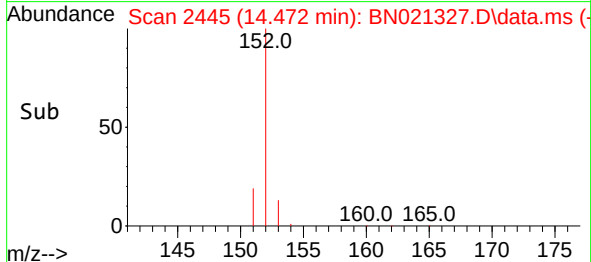
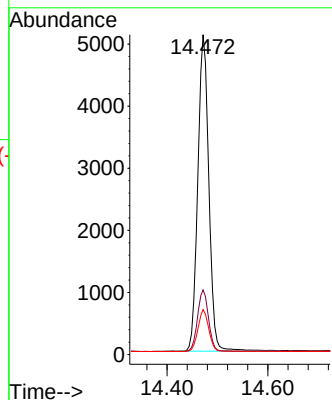
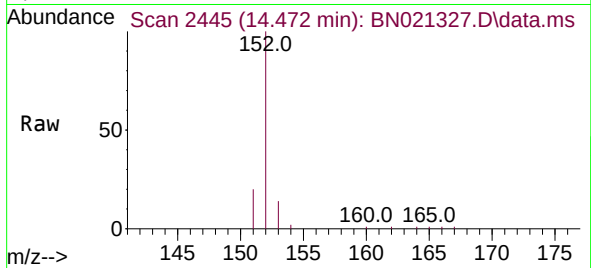




#10  
Acenaphthylene  
Concen: 0.290 ng/ul  
RT: 14.472 min Scan# 2445  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

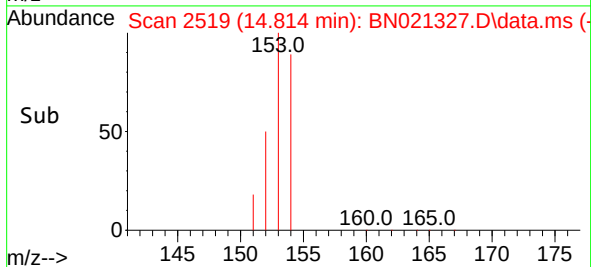
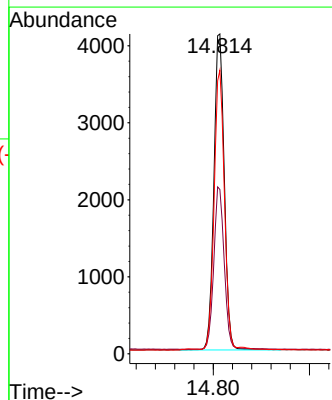
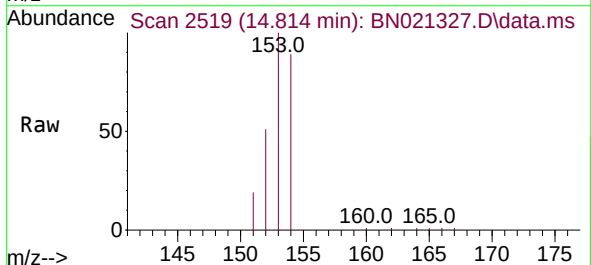
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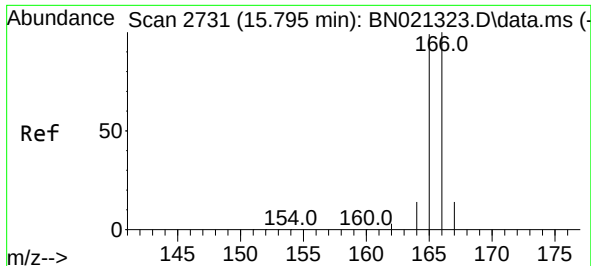
Tgt Ion:152 Resp: 7741  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.9 25.3  
153 14.1 11.2 16.8



#11  
Acenaphthene  
Concen: 0.301 ng/ul  
RT: 14.814 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion:153 Resp: 6146  
Ion Ratio Lower Upper  
153 100  
152 51.4 40.2 60.4  
154 88.6 70.7 106.1

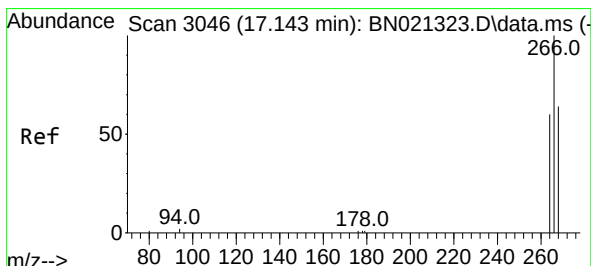
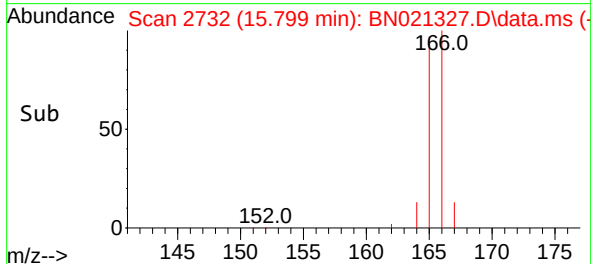
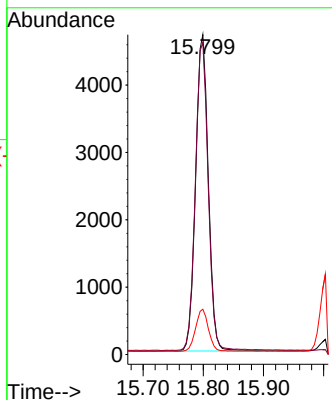
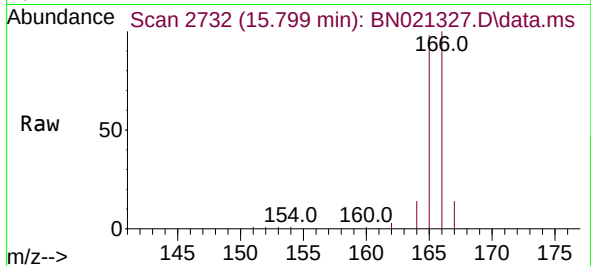




#12  
 Fluorene  
 Concen: 0.301 ng/ul  
 RT: 15.799 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN021327.D  
 Acq: 23 Aug 2022 14:00

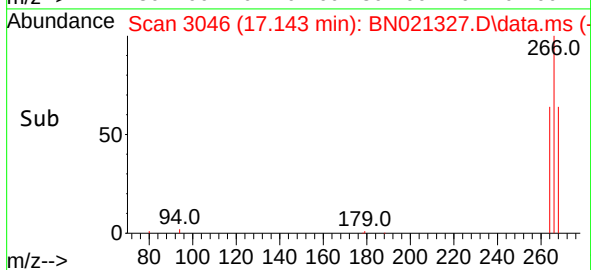
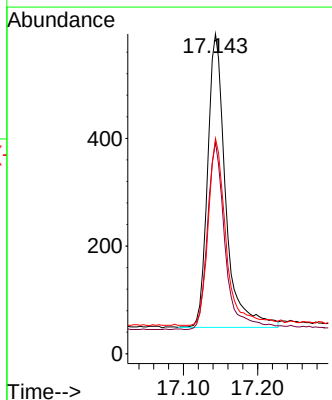
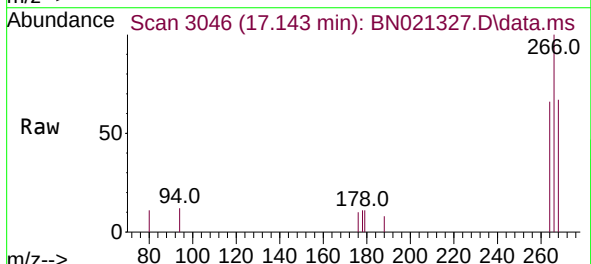
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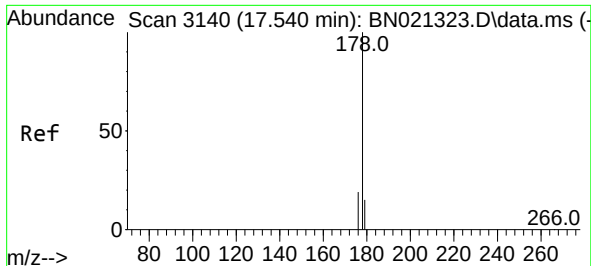
Tgt Ion:166 Resp: 6877  
 Ion Ratio Lower Upper  
 166 100  
 165 97.5 78.6 117.8  
 167 14.2 11.8 17.6



#14  
 Pentachlorophenol  
 Concen: 0.762 ng/ul  
 RT: 17.143 min Scan# 3046  
 Delta R.T. 0.000 min  
 Lab File: BN021327.D  
 Acq: 23 Aug 2022 14:00

Tgt Ion:266 Resp: 921  
 Ion Ratio Lower Upper  
 266 100  
 264 62.6 49.8 74.8  
 268 62.8 50.6 75.8

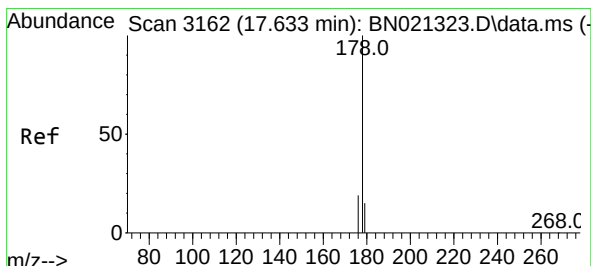
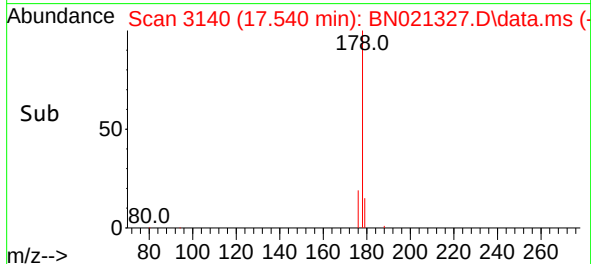
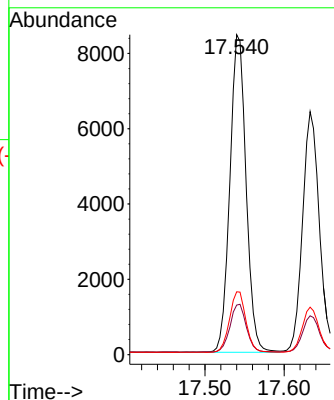
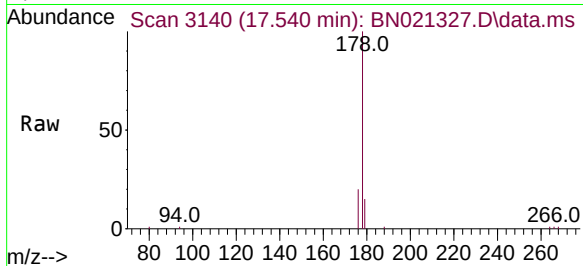




#15  
Phenanthrene  
Concen: 0.295 ng/ul  
RT: 17.540 min Scan# 3140  
Delta R.T. -0.004 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

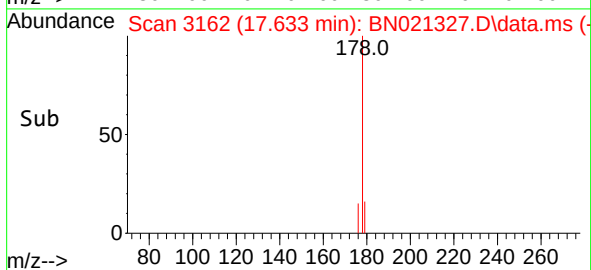
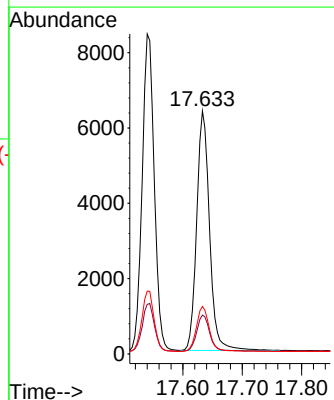
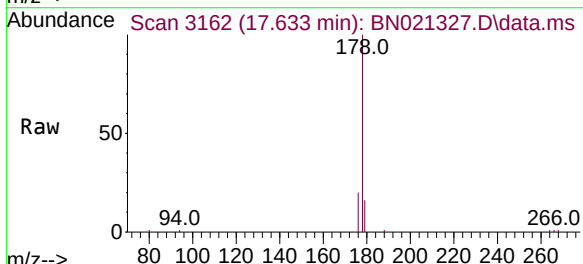
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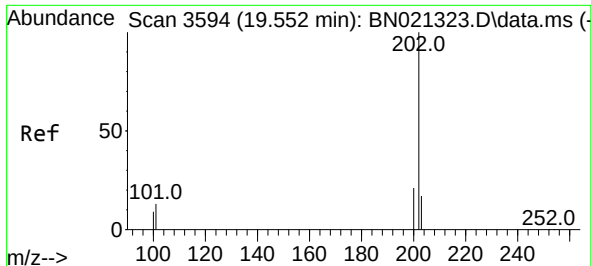
Tgt Ion:178 Resp: 11987  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.8 19.2  
176 19.6 15.9 23.9



#16  
Anthracene  
Concen: 0.293 ng/ul  
RT: 17.633 min Scan# 3162  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion:178 Resp: 9541  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.9 19.3  
176 19.5 15.9 23.9

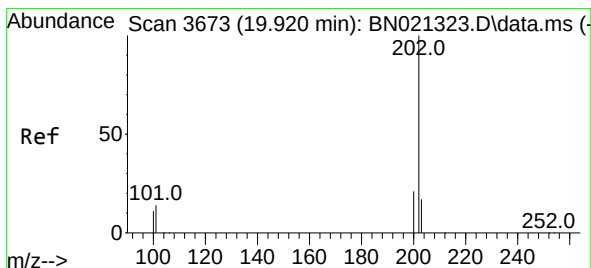
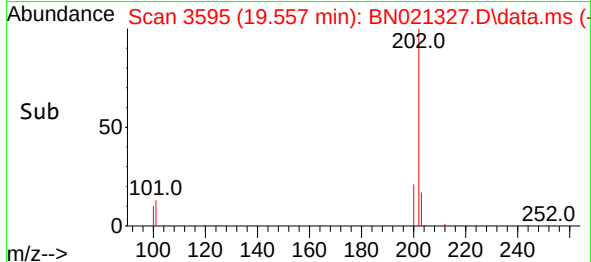
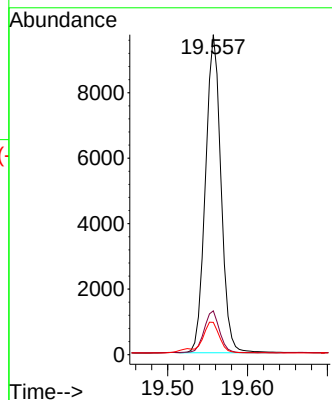
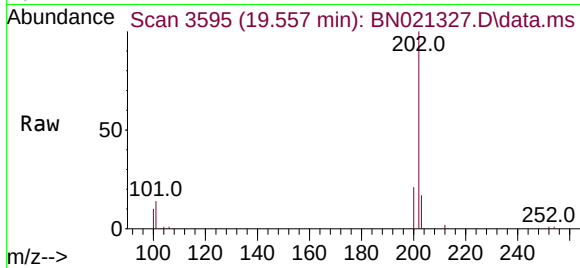




#19  
Fluoranthene  
Concen: 0.307 ng/ul  
RT: 19.557 min Scan# 3595  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

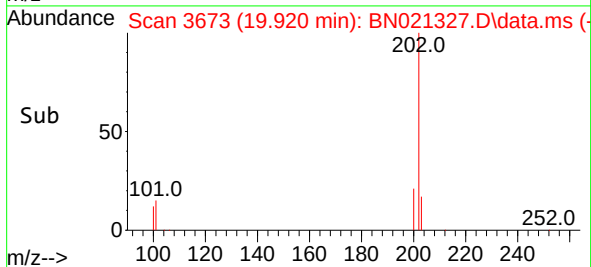
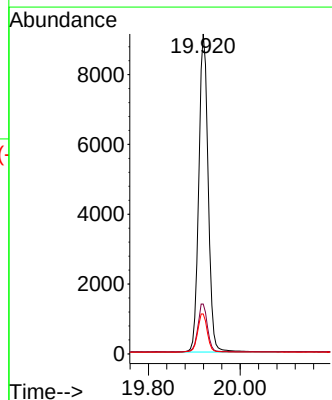
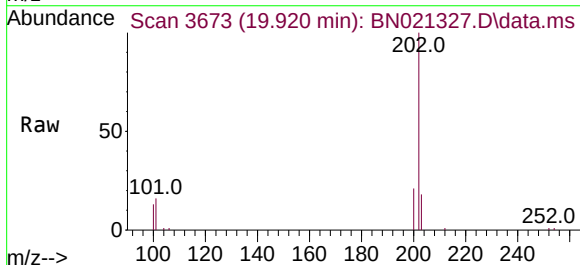
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS168

Tgt Ion:202 Resp: 13080  
Ion Ratio Lower Upper  
202 100  
101 13.7 10.0 15.0  
100 10.1 8.0 12.0

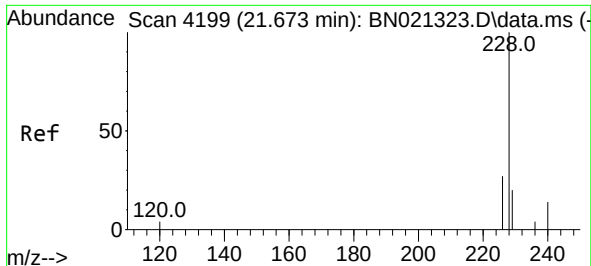


#20  
Pyrene  
Concen: 0.303 ng/ul  
RT: 19.920 min Scan# 3673  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion:202 Resp: 12928  
Ion Ratio Lower Upper  
202 100  
101 15.6 11.3 16.9  
100 12.5 9.0 13.4



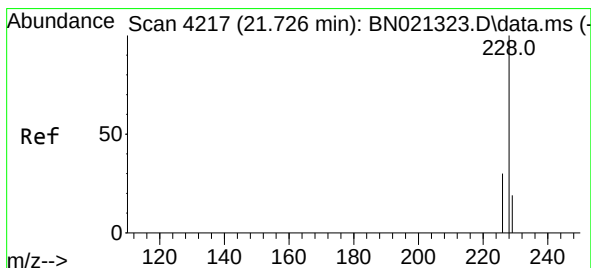
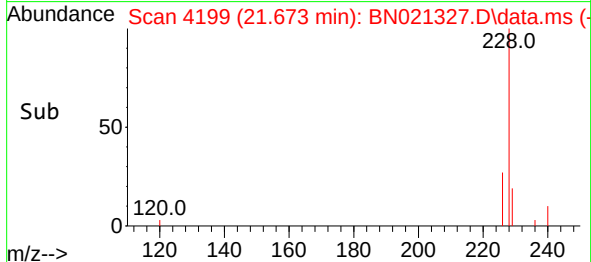
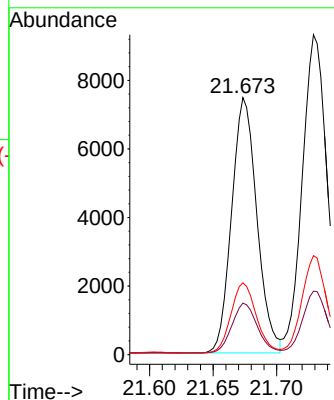
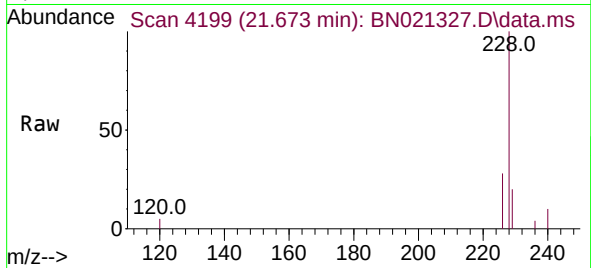




#21  
Benzo(a)anthracene  
Concen: 0.331 ng/ul  
RT: 21.673 min Scan# 4199  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

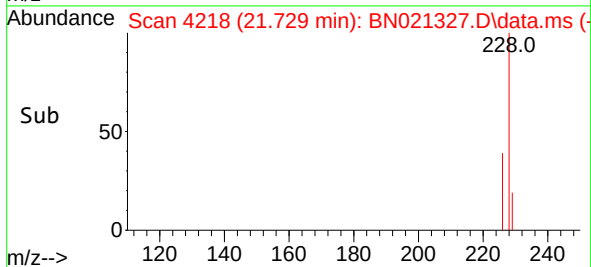
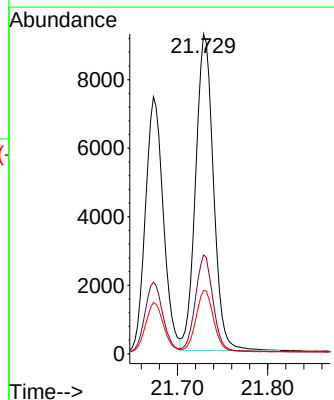
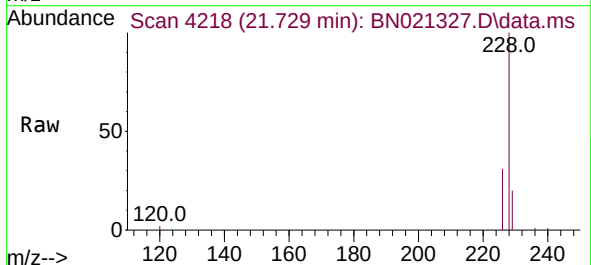
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS168

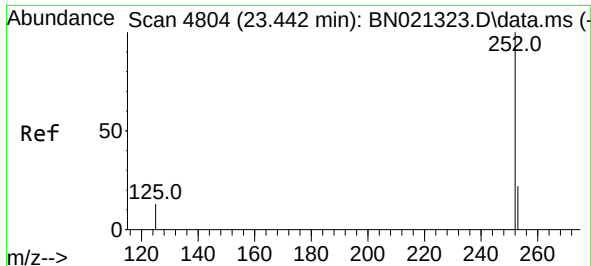
Tgt Ion:228 Resp: 10295  
Ion Ratio Lower Upper  
228 100  
229 20.0 16.0 24.0  
226 27.9 21.9 32.9



#22  
Chrysene  
Concen: 0.316 ng/ul  
RT: 21.729 min Scan# 4218  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion:228 Resp: 12635  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.6 37.0  
229 19.8 15.8 23.8

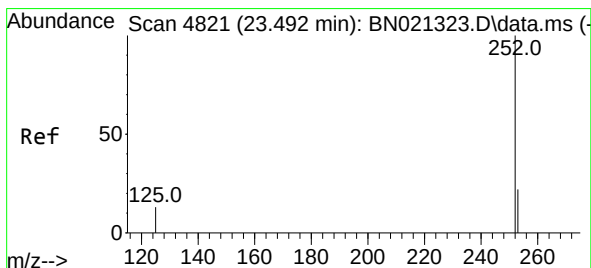
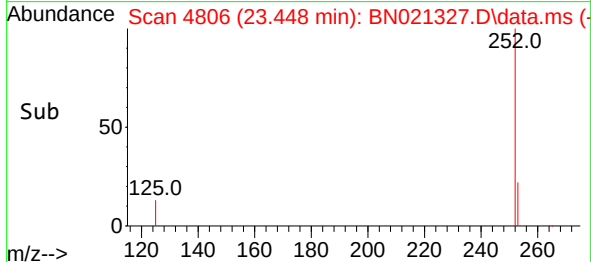
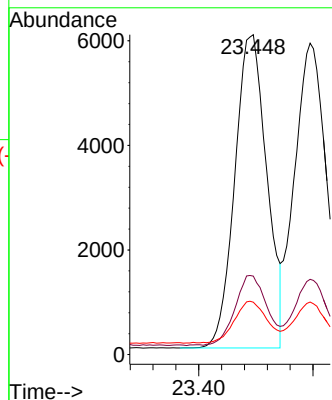
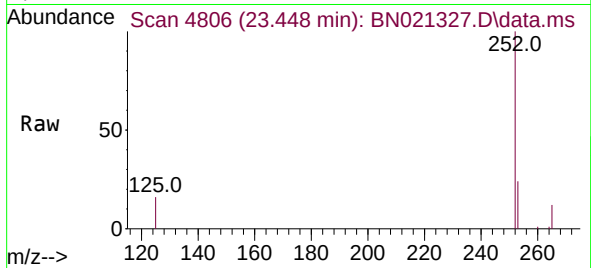




#24  
Benzo(b)fluoranthene  
Concen: 0.365 ng/ul  
RT: 23.448 min Scan# 4806  
Delta R.T. 0.003 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

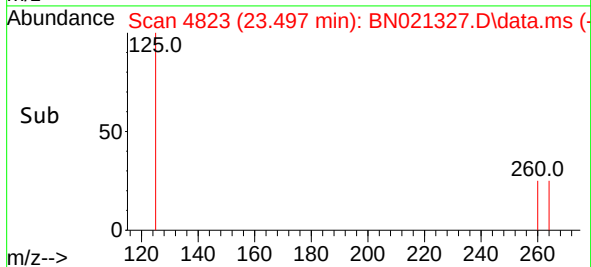
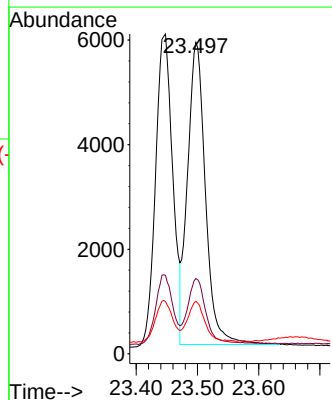
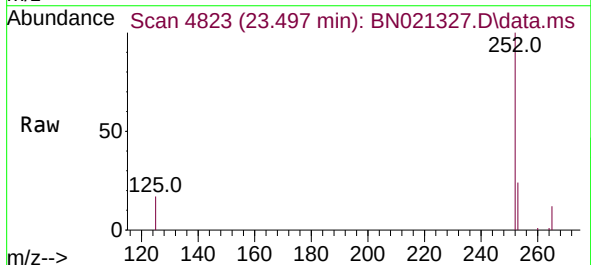
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS168

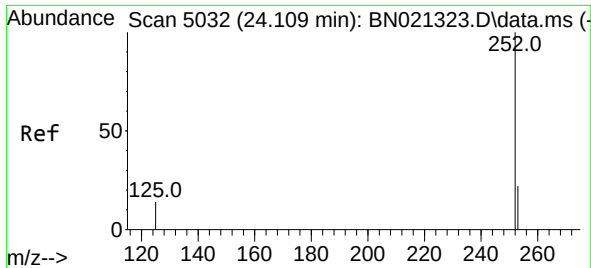
Tgt Ion:252 Resp: 11643  
Ion Ratio Lower Upper  
252 100  
253 24.5 0.0 50.8  
125 16.4 0.0 30.0



#25  
Benzo(k)fluoranthene  
Concen: 0.342 ng/ul  
RT: 23.497 min Scan# 4823  
Delta R.T. 0.000 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

Tgt Ion:252 Resp: 11767  
Ion Ratio Lower Upper  
252 100  
253 24.2 20.6 31.0  
125 16.9 11.8 17.6

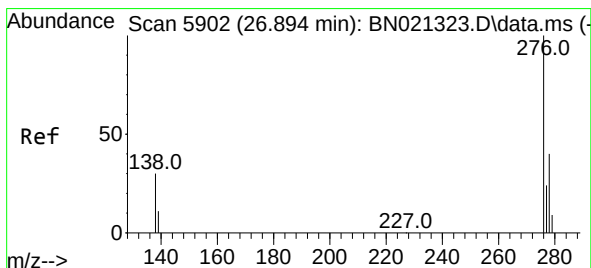
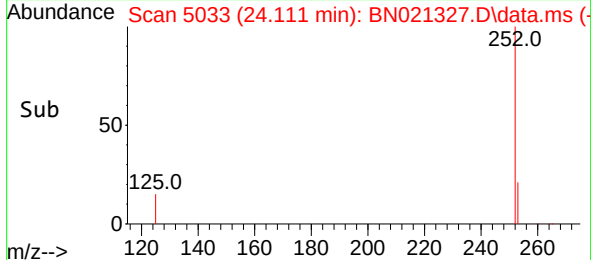
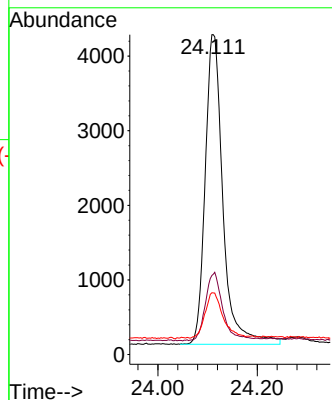
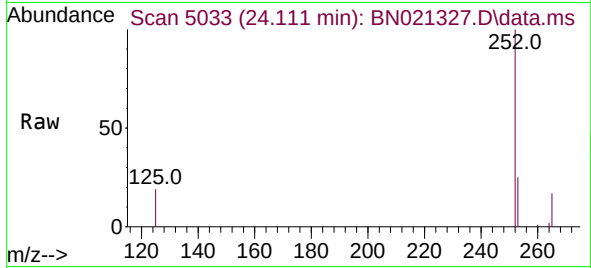




#26  
Benzo(a)pyrene  
Concen: 0.342 ng/ul  
RT: 24.111 min Scan# 5033  
Delta R.T. 0.003 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

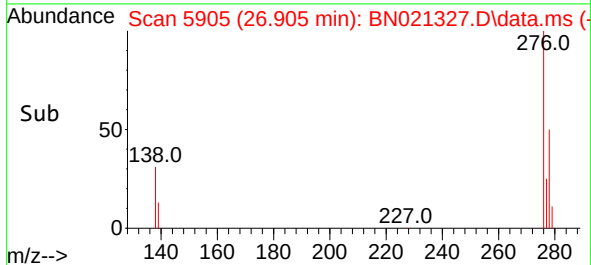
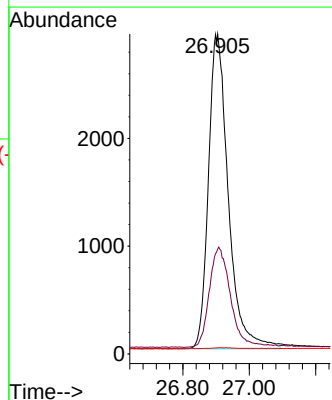
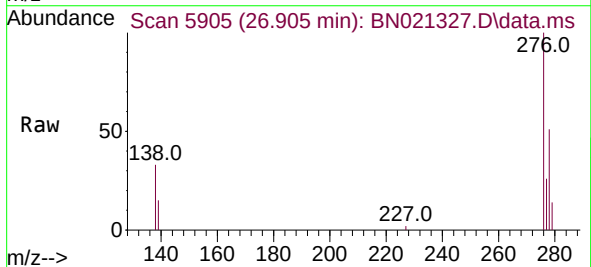
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS168

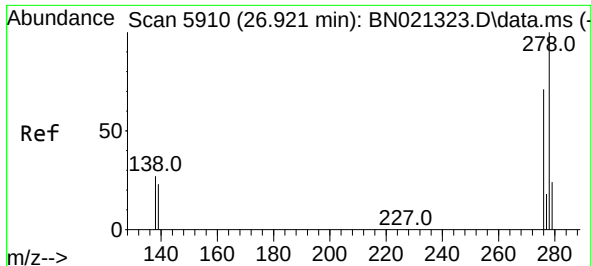
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 10304     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 25.1  | 22.1 33.1 |
| 125         | 19.3  | 14.7 22.1 |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.344 ng/ul  
RT: 26.905 min Scan# 5905  
Delta R.T. 0.001 min  
Lab File: BN021327.D  
Acq: 23 Aug 2022 14:00

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 12160     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 34.2  | 26.1 39.1 |
| 227         | 0.0   | 0.1 0.1#  |





#28

Dibenzo(a,h)anthracene

Concen: 0.346 ng/ul

RT: 26.932 min Scan# 5913

Delta R.T. 0.004 min

Lab File: BN021327.D

Acq: 23 Aug 2022 14:00

Instrument :

BNA\_N

ClientSampleId :

SLCS168

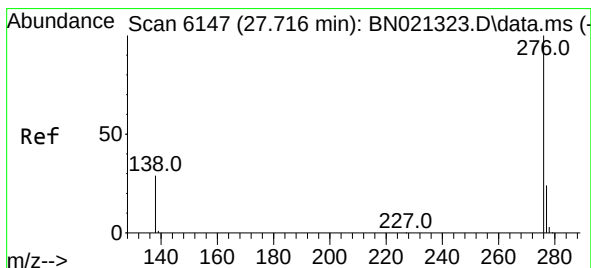
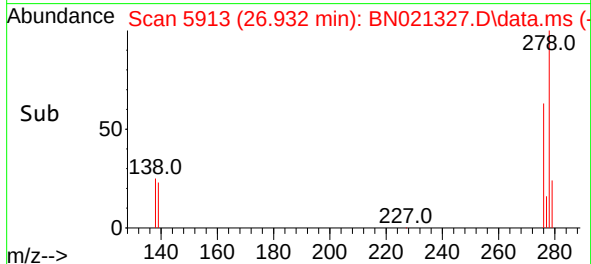
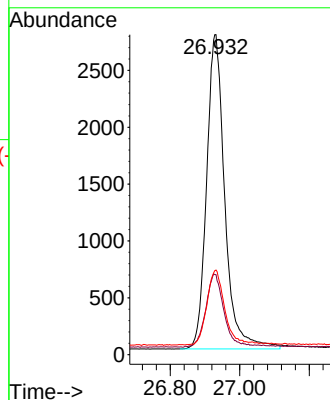
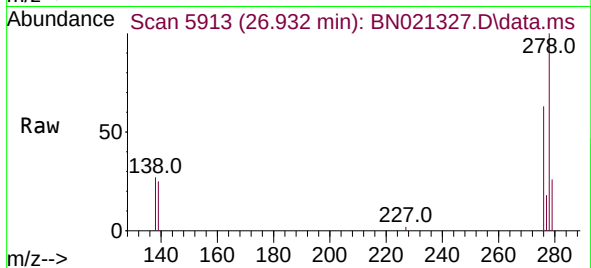
Tgt Ion:278 Resp: 10057

Ion Ratio Lower Upper

278 100

139 25.0 18.3 27.5

279 26.4 23.9 35.9



#29

Benzo(g,h,i)perylene

Concen: 0.335 ng/ul

RT: 27.723 min Scan# 6149

Delta R.T. 0.001 min

Lab File: BN021327.D

Acq: 23 Aug 2022 14:00

Tgt Ion:276 Resp: 11769

Ion Ratio Lower Upper

276 100

138 29.9 22.6 34.0

277 25.3 20.2 30.2

