

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081022\  
 Data File : BN021127.D  
 Acq On : 10 Aug 2022 21:31  
 Operator : CG/JU  
 Sample : PB146901BS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS901

Quant Time: Aug 10 22:12:53 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 09 23:10:06 2022  
 Response via : Initial Calibration

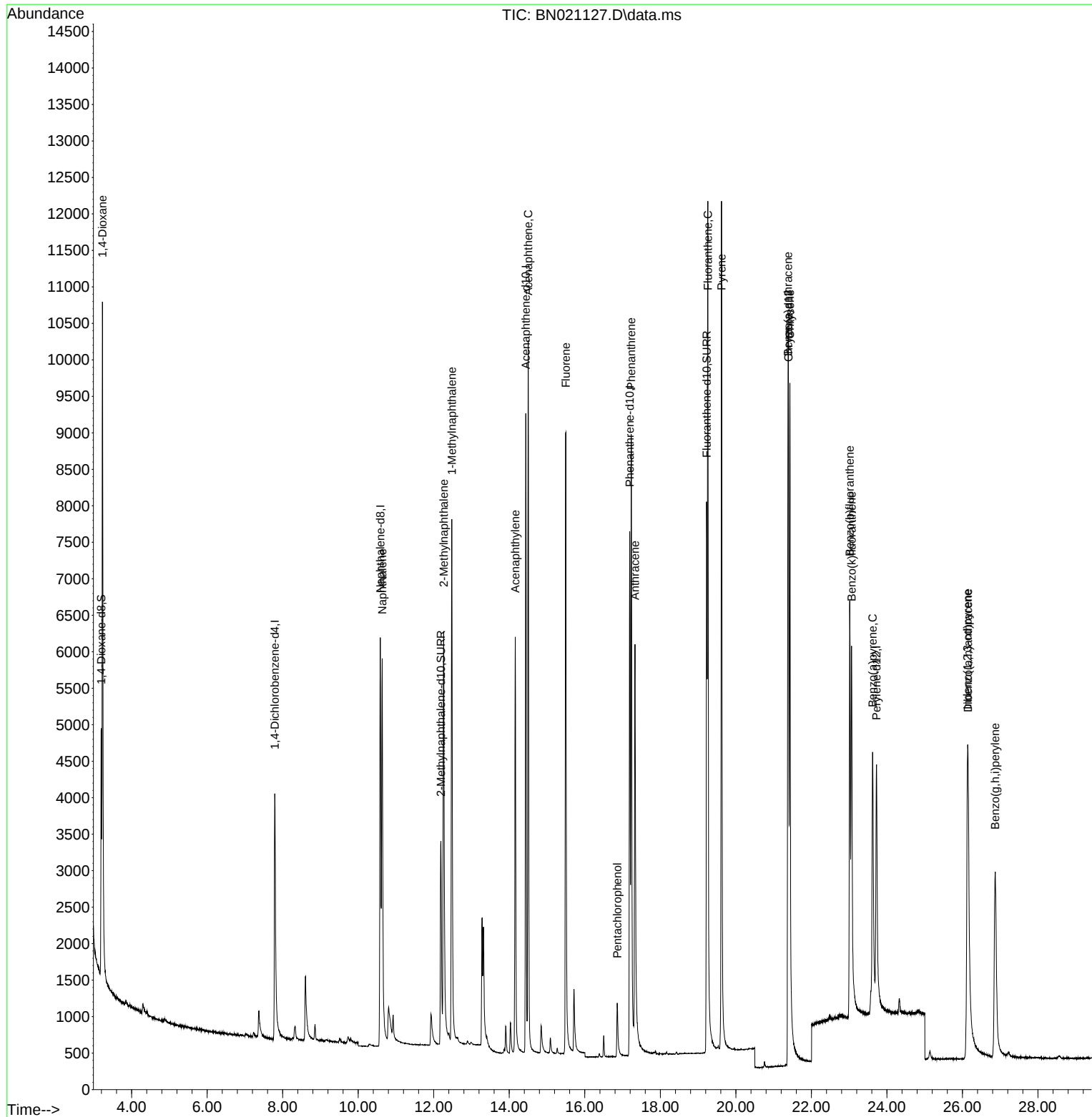
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.793  | 152  | 2643     | 0.400 | ng/ul  | 0.01     |
| 4) Naphthalene-d8           | 10.585 | 136  | 9249     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.438 | 164  | 5233     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.189 | 188  | 9752     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.395 | 240  | 7148     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.725 | 264  | 5362     | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.198  | 96   | 2308     | 0.683 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.191 | 152  | 4816     | 0.355 | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.226 | 212  | 9407     | 0.426 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.228  | 88   | 6200     | 1.780 | ng/ul# | 85       |
| 5) Naphthalene              | 10.635 | 128  | 8840     | 0.311 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.263 | 142  | 5316     | 0.308 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.477 | 142  | 5811     | 0.337 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.161 | 152  | 7587     | 0.310 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.503 | 153  | 6144     | 0.304 | ng/ul  | 100      |
| 12) Fluorene                | 15.498 | 166  | 6651     | 0.301 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.859 | 266  | 718      | 0.477 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.231 | 178  | 10509    | 0.301 | ng/ul  | 99       |
| 16) Anthracene              | 17.328 | 178  | 8516     | 0.315 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.259 | 202  | 11441    | 0.362 | ng/ul  | 99       |
| 20) Pyrene                  | 19.621 | 202  | 11708    | 0.358 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.380 | 228  | 7552     | 0.324 | ng/ul  | 99       |
| 22) Chrysene                | 21.430 | 228  | 9555     | 0.311 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.017 | 252  | 7845     | 0.316 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.064 | 252  | 8393     | 0.320 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.622 | 252  | 7198     | 0.318 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.135 | 276  | 7516     | 0.278 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.149 | 278  | 5862     | 0.274 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 26.867 | 276  | 6912     | 0.287 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

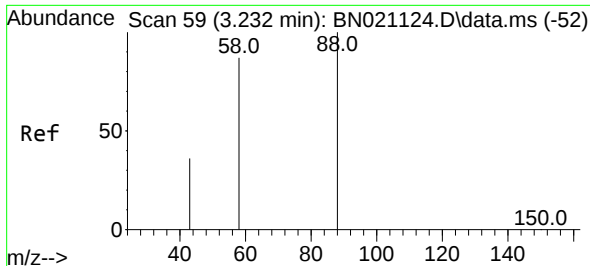
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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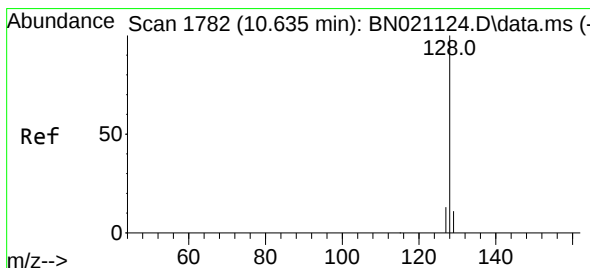
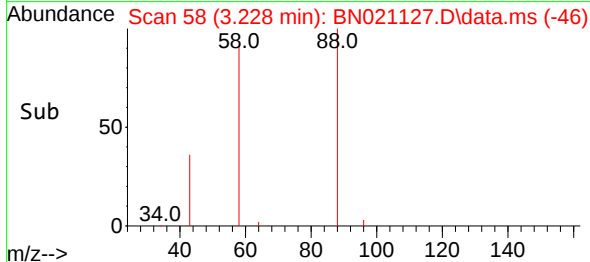
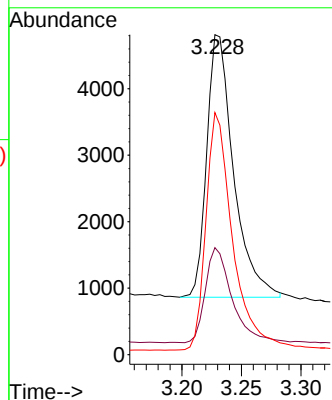
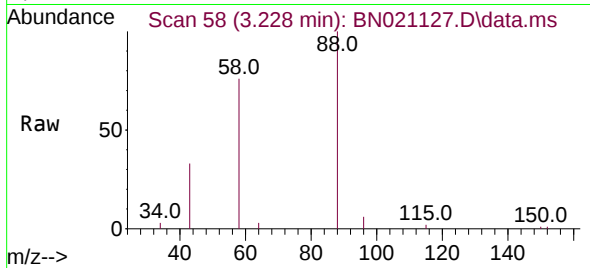




#2  
1,4-Dioxane  
Concen: 1.780 ng/ul  
RT: 3.228 min Scan# 58  
Delta R.T. -0.000 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

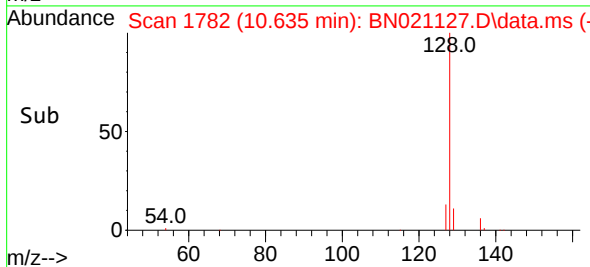
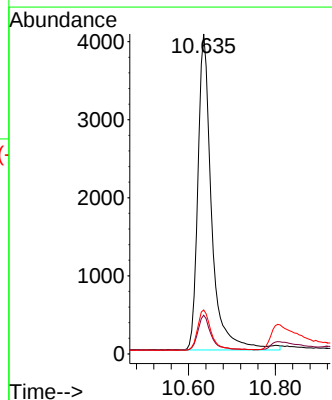
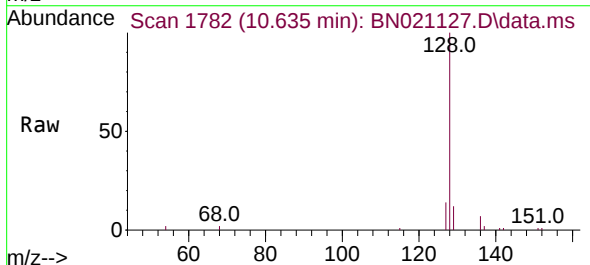
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

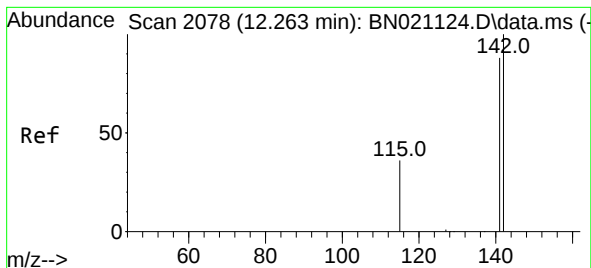
Tgt Ion: 88 Resp: 6200  
Ion Ratio Lower Upper  
88 100  
43 33.4 31.4 47.0  
58 75.6 49.0 73.6#



#5  
Naphthalene  
Concen: 0.311 ng/ul  
RT: 10.635 min Scan# 1782  
Delta R.T. 0.007 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion: 128 Resp: 8840  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.8 14.6  
127 13.7 11.6 17.4

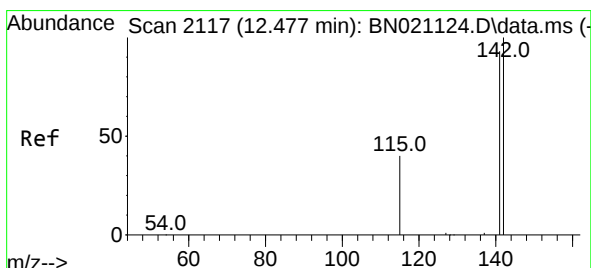
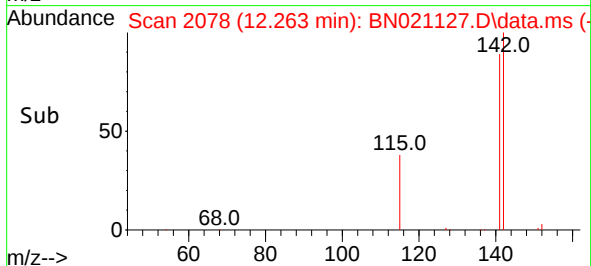
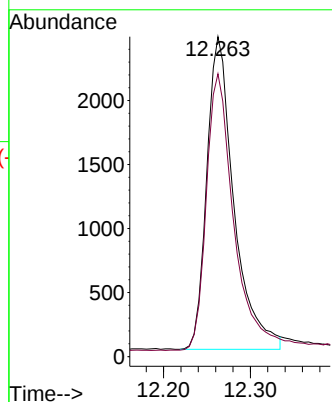
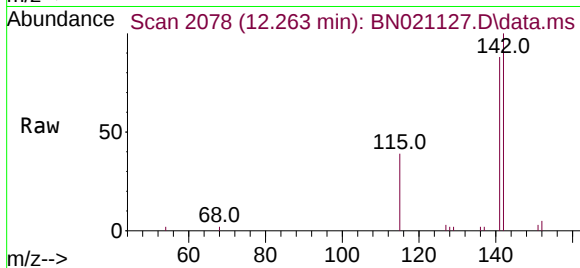




#7  
2-Methylnaphthalene  
Concen: 0.308 ng/ul  
RT: 12.263 min Scan# 2078  
Delta R.T. 0.012 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

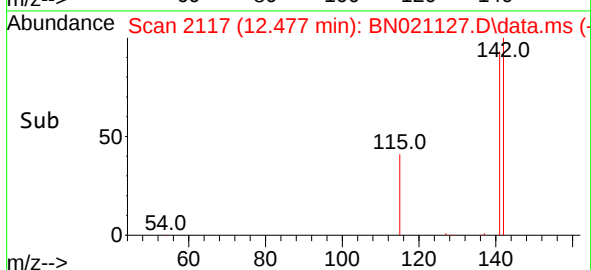
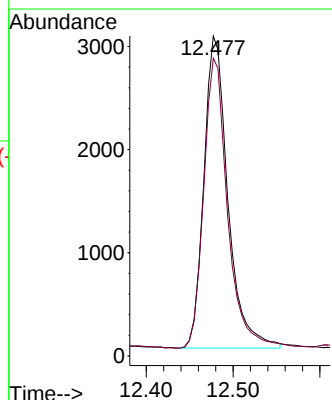
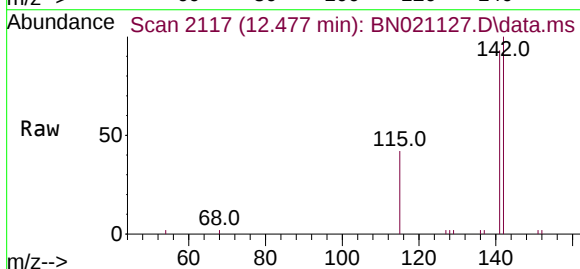
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

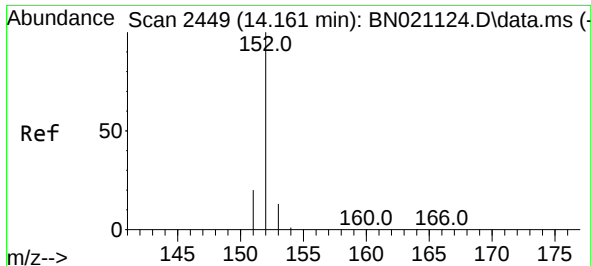
Tgt Ion:142 Resp: 5316  
Ion Ratio Lower Upper  
142 100  
141 89.4 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 0.337 ng/ul  
RT: 12.477 min Scan# 2117  
Delta R.T. 0.007 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion:142 Resp: 5811  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.9 110.9

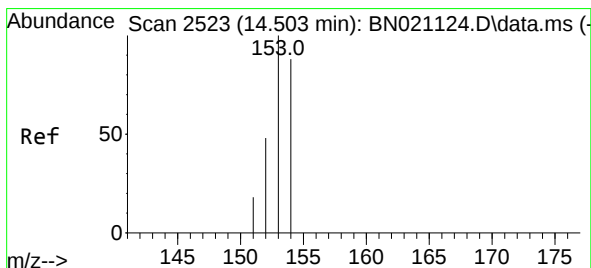
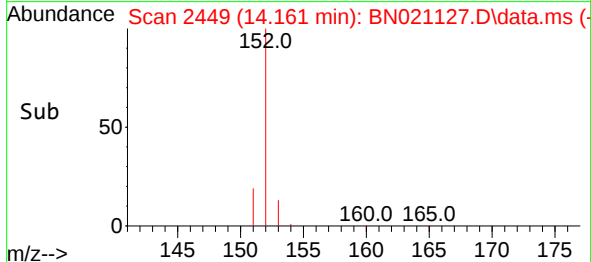
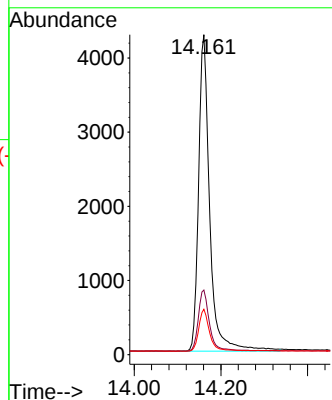
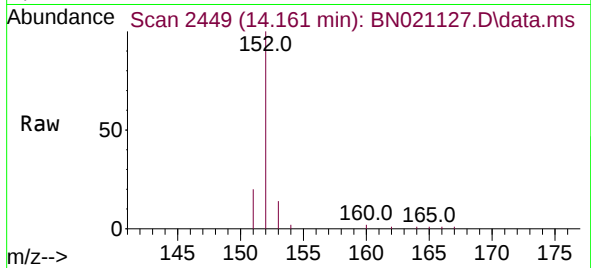




#10  
Acenaphthylene  
Concen: 0.310 ng/ul  
RT: 14.161 min Scan# 2449  
Delta R.T. 0.006 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

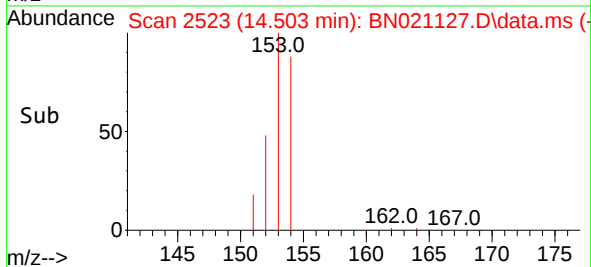
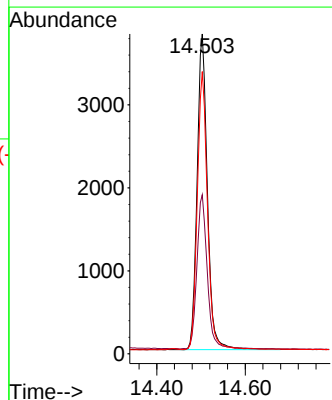
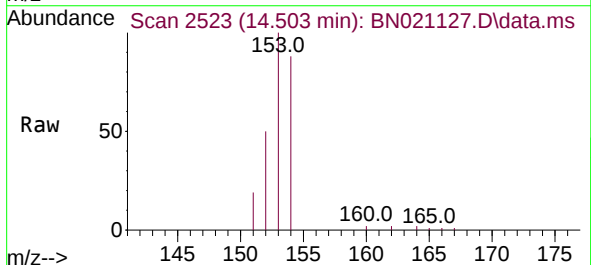
Instrument :  
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ClientSampleId :  
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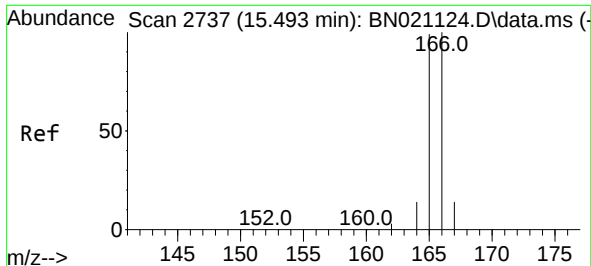
Tgt Ion:152 Resp: 7587  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.9 25.3  
153 14.2 11.2 16.8



#11  
Acenaphthene  
Concen: 0.304 ng/ul  
RT: 14.503 min Scan# 2523  
Delta R.T. 0.001 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion:153 Resp: 6144  
Ion Ratio Lower Upper  
153 100  
152 49.7 40.2 60.4  
154 88.2 70.7 106.1

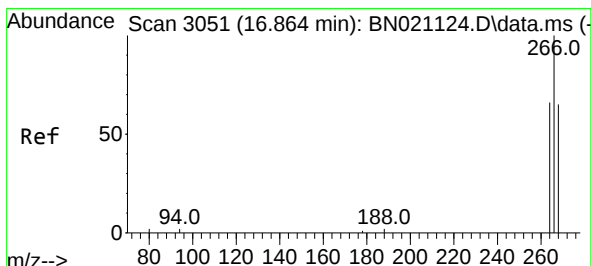
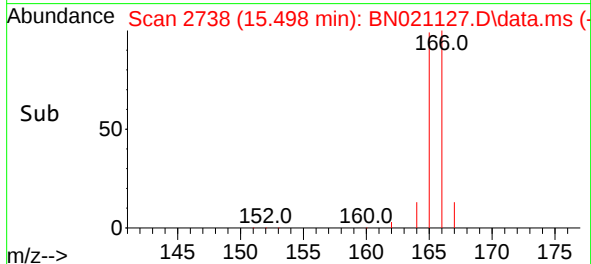
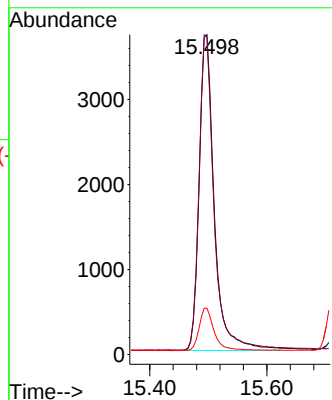
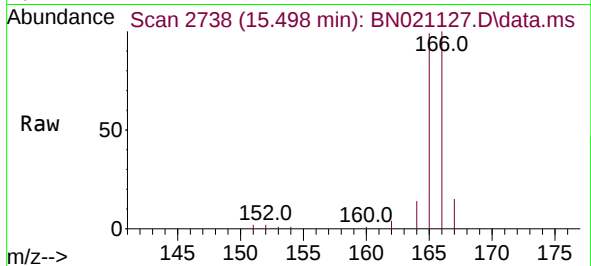




#12  
Fluorene  
Concen: 0.301 ng/ul  
RT: 15.498 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

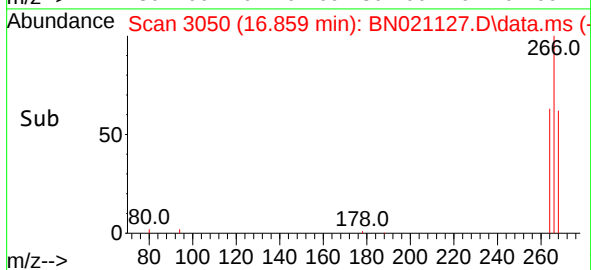
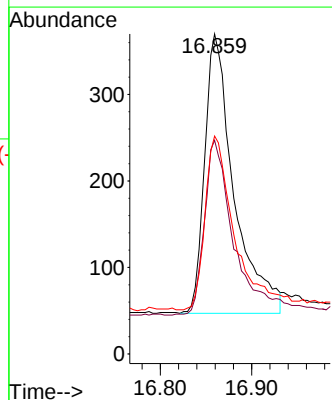
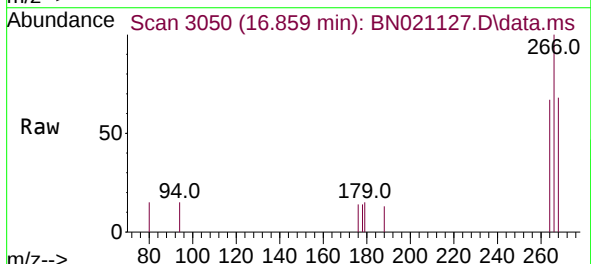
Instrument :  
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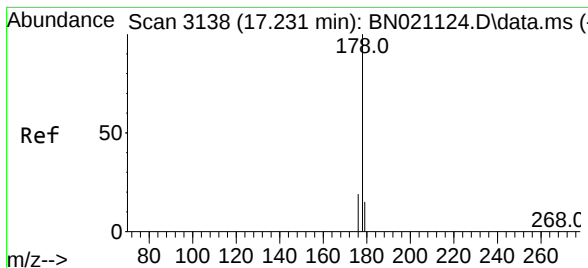
Tgt Ion:166 Resp: 6651  
Ion Ratio Lower Upper  
166 100  
165 99.4 78.6 117.8  
167 14.5 11.8 17.6



#14  
Pentachlorophenol  
Concen: 0.477 ng/ul  
RT: 16.859 min Scan# 3050  
Delta R.T. 0.005 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion:266 Resp: 718  
Ion Ratio Lower Upper  
266 100  
264 62.7 49.8 74.8  
268 62.8 50.6 75.8





#15

Phenanthrene

Concen: 0.301 ng/ul

RT: 17.231 min Scan# 3138

Delta R.T. 0.001 min

Lab File: BN021127.D

Acq: 10 Aug 2022 21:31

Instrument :

BNA\_N

ClientSampleId :

SLCS901

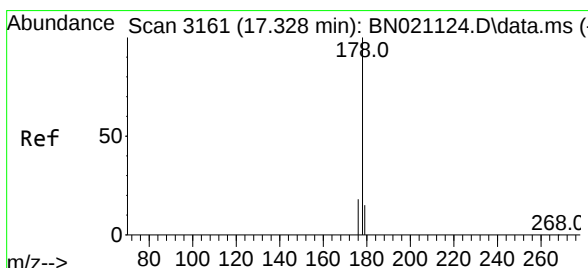
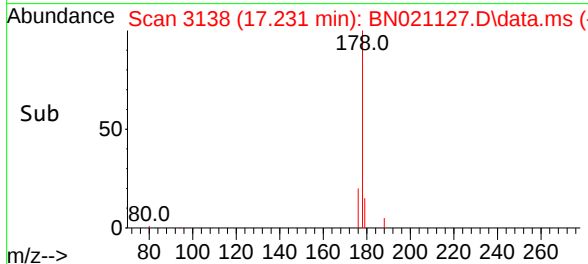
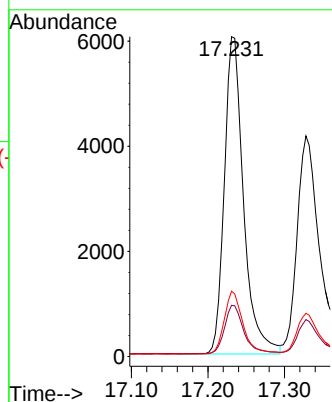
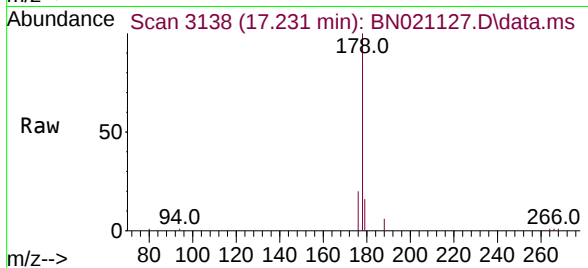
Tgt Ion:178 Resp: 10509

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

176 20.4 15.9 23.9



#16

Anthracene

Concen: 0.315 ng/ul

RT: 17.328 min Scan# 3161

Delta R.T. 0.005 min

Lab File: BN021127.D

Acq: 10 Aug 2022 21:31

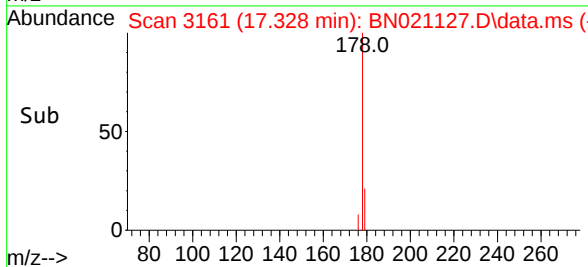
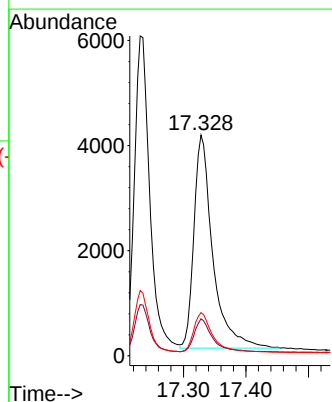
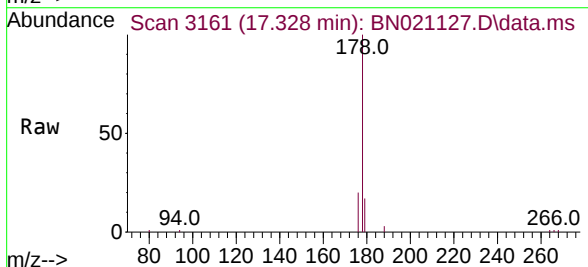
Tgt Ion:178 Resp: 8516

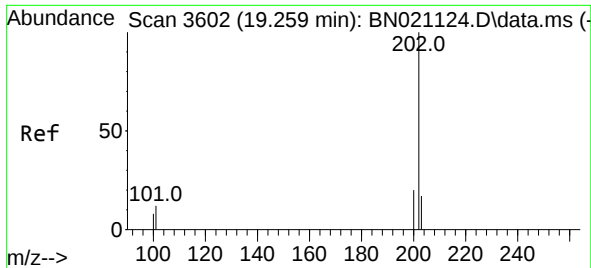
Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

176 19.6 15.9 23.9

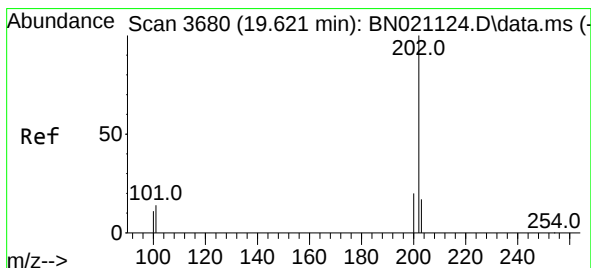
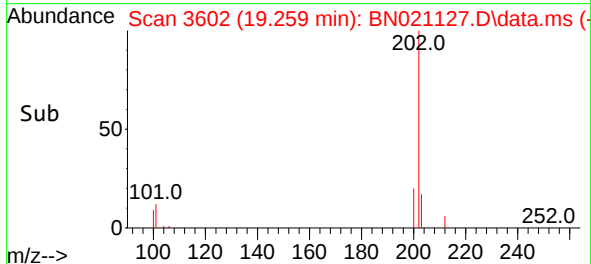
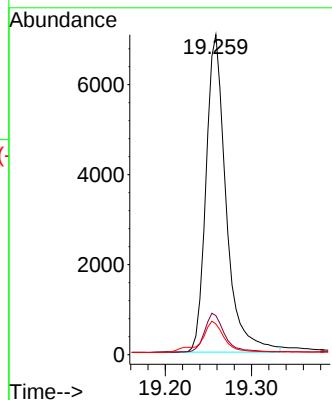
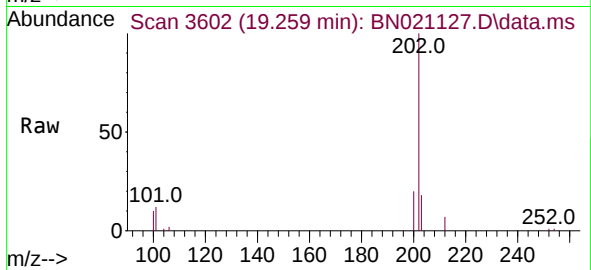




#19  
Fluoranthene  
Concen: 0.362 ng/ul  
RT: 19.259 min Scan# 3602  
Delta R.T. -0.003 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

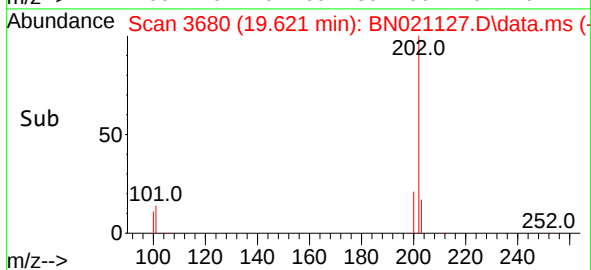
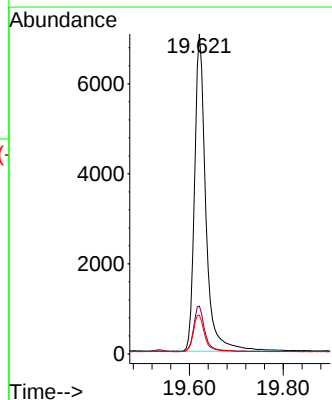
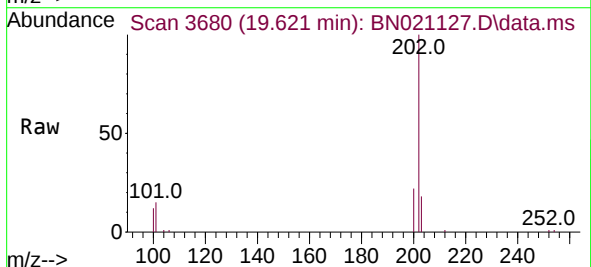
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

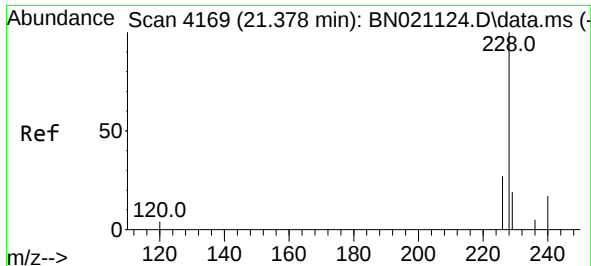
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Ion Ratio Lower Upper  
202 100  
101 12.2 10.0 15.0  
100 9.6 8.0 12.0



#20  
Pyrene  
Concen: 0.358 ng/ul  
RT: 19.621 min Scan# 3680  
Delta R.T. -0.003 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion:202 Resp: 11708  
Ion Ratio Lower Upper  
202 100  
101 14.9 11.3 16.9  
100 12.1 9.0 13.4

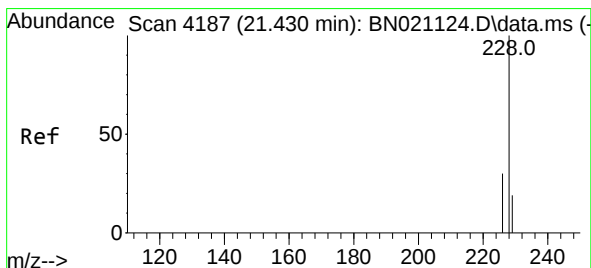
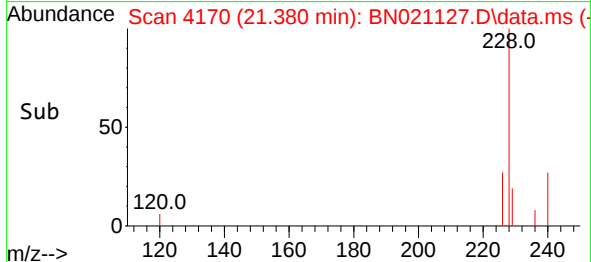
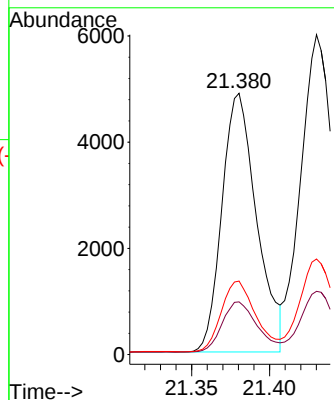
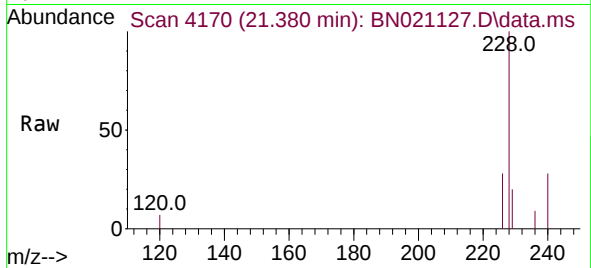




#21  
Benzo(a)anthracene  
Concen: 0.324 ng/ul  
RT: 21.380 min Scan# 4169  
Delta R.T. -0.006 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

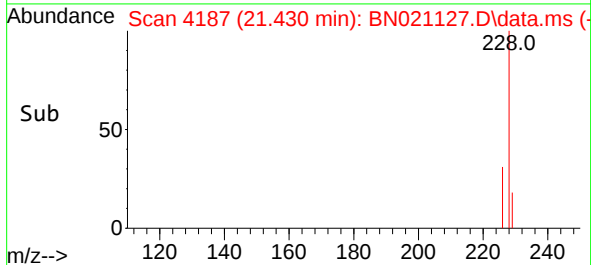
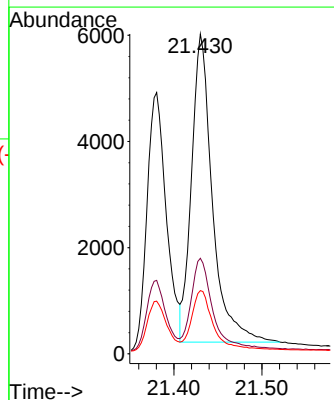
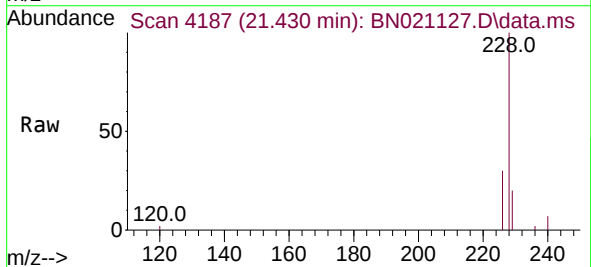
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

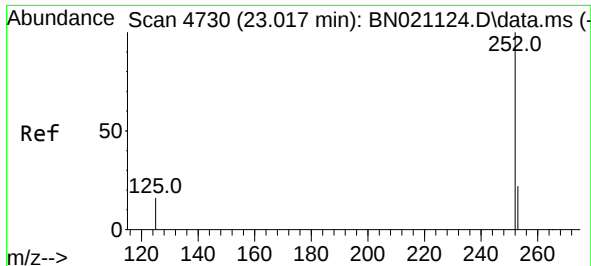
Tgt Ion:228 Resp: 7552  
Ion Ratio Lower Upper  
228 100  
229 20.2 16.0 24.0  
226 28.1 21.9 32.9



#22  
Chrysene  
Concen: 0.311 ng/ul  
RT: 21.430 min Scan# 4187  
Delta R.T. -0.012 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

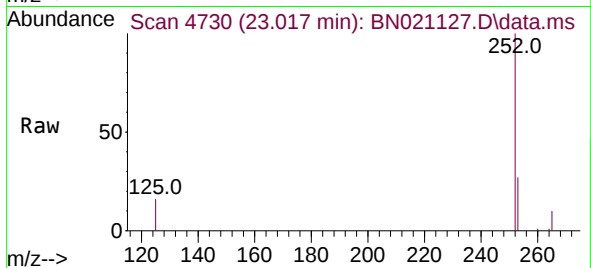
Tgt Ion:228 Resp: 9555  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.6 37.0  
229 19.8 15.8 23.8



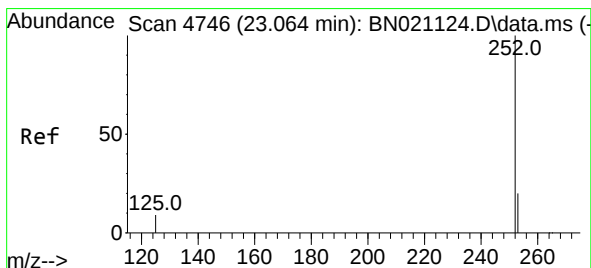
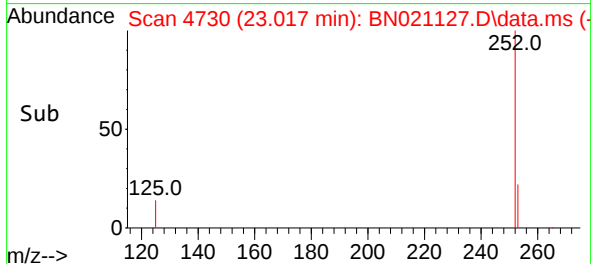
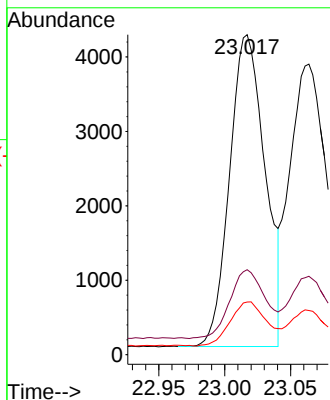


#24  
Benzo(b)fluoranthene  
Concen: 0.316 ng/ul  
RT: 23.017 min Scan# 4730  
Delta R.T. -0.012 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

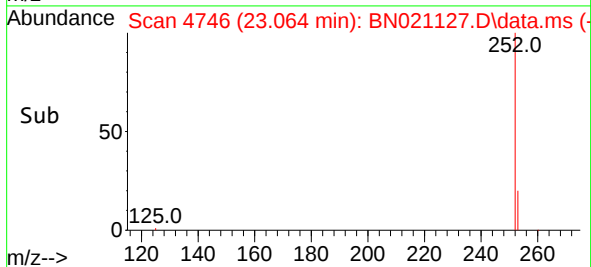
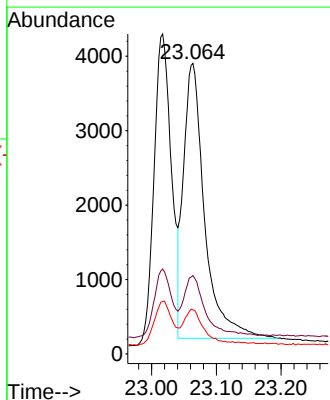
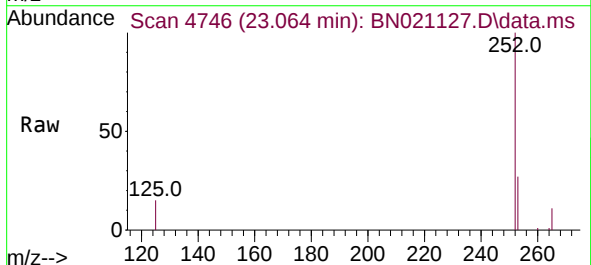


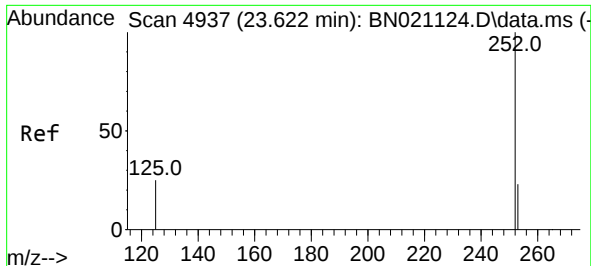
Tgt Ion:252 Resp: 7845  
Ion Ratio Lower Upper  
252 100  
253 26.5 0.0 50.8  
125 16.4 0.0 30.0



#25  
Benzo(k)fluoranthene  
Concen: 0.320 ng/ul  
RT: 23.064 min Scan# 4746  
Delta R.T. -0.012 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion:252 Resp: 8393  
Ion Ratio Lower Upper  
252 100  
253 27.0 20.6 31.0  
125 15.2 11.8 17.6

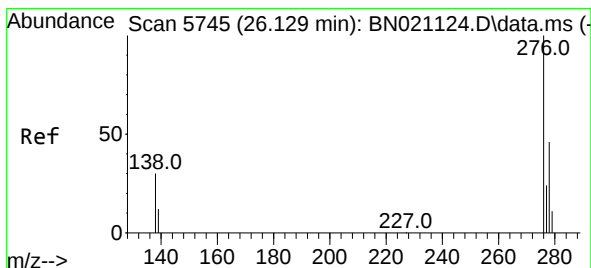
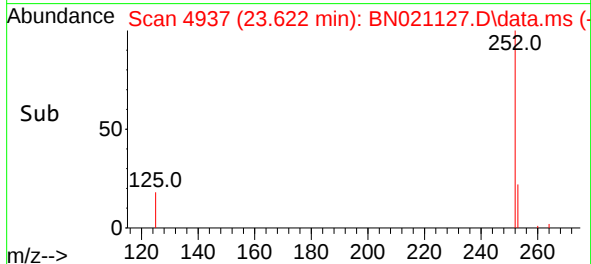
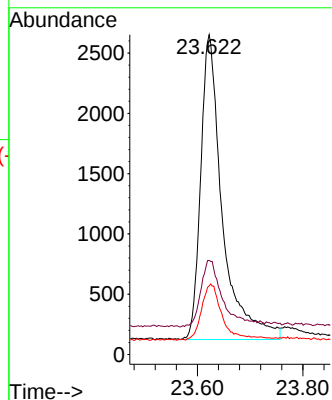
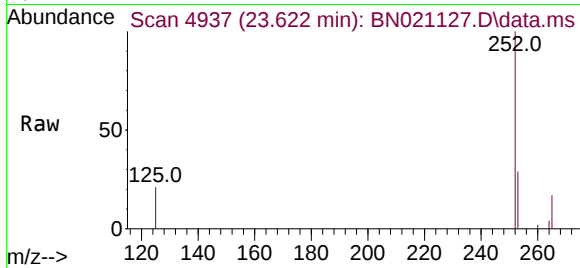




#26  
Benzo(a)pyrene  
Concen: 0.318 ng/ul  
RT: 23.622 min Scan# 4937  
Delta R.T. -0.012 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

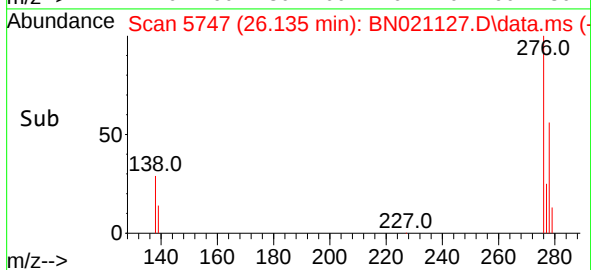
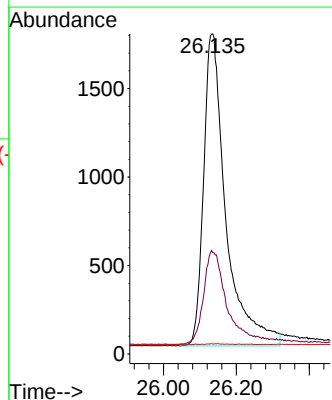
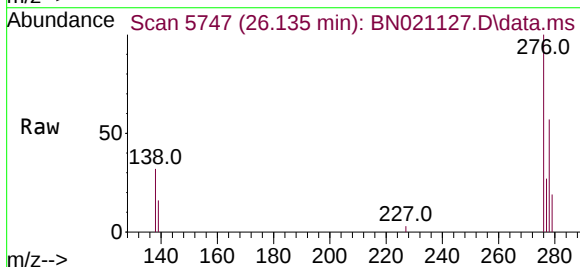
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

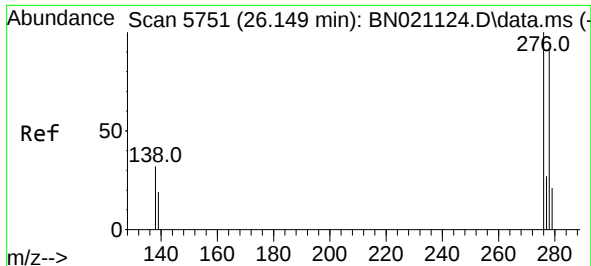
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 7198 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 29.4  | 22.1  | 33.1 |
| 125       | 21.4  | 14.7  | 22.1 |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.278 ng/ul  
RT: 26.135 min Scan# 5747  
Delta R.T. -0.014 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 7516 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 32.3  | 26.1  | 39.1 |
| 227       | 0.1   | 0.1   | 0.1  |

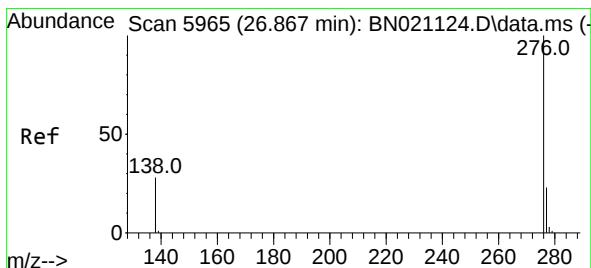
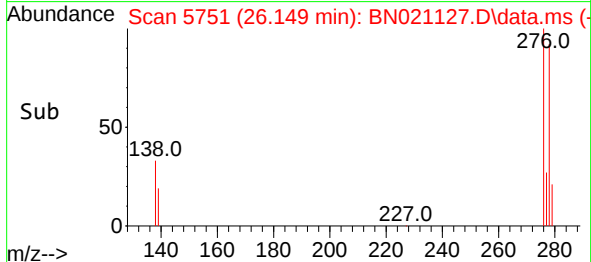
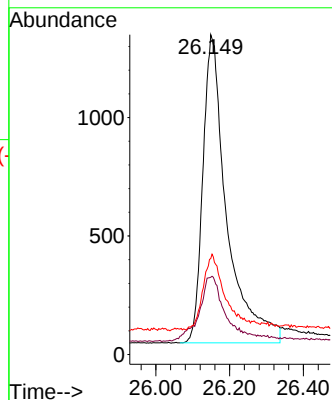
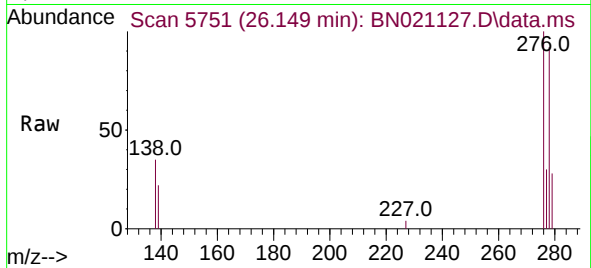




#28  
Dibenzo(a,h)anthracene  
Concen: 0.274 ng/ul  
RT: 26.149 min Scan# 5751  
Delta R.T. -0.017 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS901

Tgt Ion:278 Resp: 5862  
Ion Ratio Lower Upper  
278 100  
139 24.1 18.3 27.5  
279 30.0 23.9 35.9



#29  
Benzo(g,h,i)perylene  
Concen: 0.287 ng/ul  
RT: 26.867 min Scan# 5965  
Delta R.T. -0.021 min  
Lab File: BN021127.D  
Acq: 10 Aug 2022 21:31

Tgt Ion:276 Resp: 6912  
Ion Ratio Lower Upper  
276 100  
138 29.2 22.6 34.0  
277 25.9 20.2 30.2

