

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
 Data File : BN019905.D  
 Acq On : 21 May 2022 13:23  
 Operator : CG/JU  
 Sample : PB144975BS  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS975

Quant Time: May 26 05:33:34 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 01:41:05 2022  
 Response via : Initial Calibration

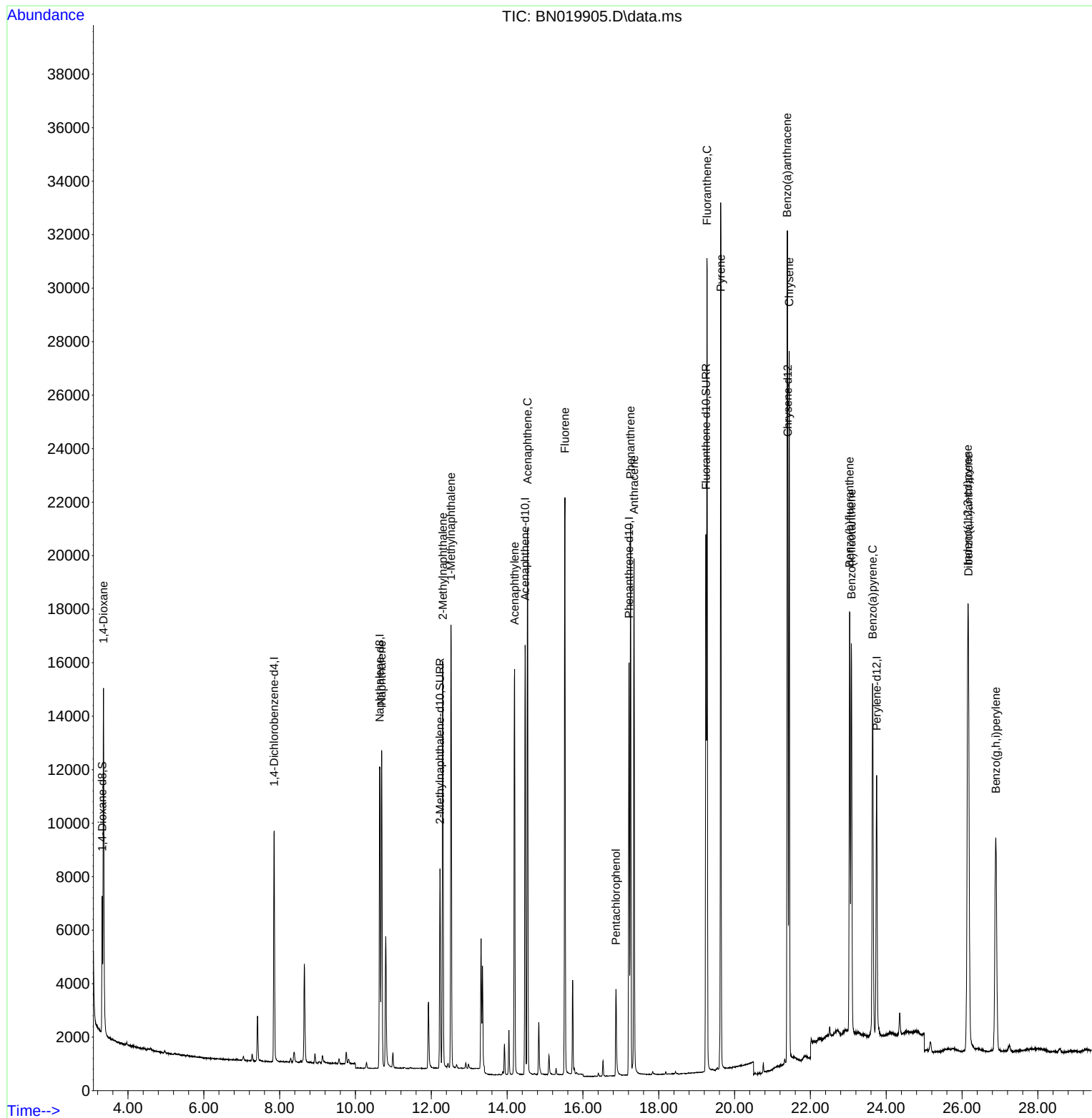
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.855  | 152  | 4723     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.639 | 136  | 15920    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.474 | 164  | 9393     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.217 | 188  | 18959    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.406 | 240  | 15809    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.747 | 264  | 13152    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.319  | 96   | 3328     | 0.595 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.229 | 152  | 10085    | 0.419 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.244 | 212  | 21835    | 0.436 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.353  | 88   | 8269     | 1.393 | ng/ul# | 74       |
| 5) Naphthalene              | 10.689 | 128  | 17070    | 0.331 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.306 | 142  | 11319    | 0.361 | ng/ul# | 100      |
| 8) 1-Methylnaphthalene      | 12.520 | 142  | 11629    | 0.400 | ng/ul# | 100      |
| 10) Acenaphthylene          | 14.197 | 152  | 18237    | 0.393 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.539 | 153  | 12231    | 0.328 | ng/ul  | 100      |
| 12) Fluorene                | 15.524 | 166  | 13845    | 0.338 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.871 | 266  | 2469     | 0.605 | ng/ul  | 89       |
| 15) Phenanthrene            | 17.255 | 178  | 22506    | 0.323 | ng/ul  | 99       |
| 16) Anthracene              | 17.348 | 178  | 21637    | 0.380 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.276 | 202  | 26781    | 0.370 | ng/ul  | 97       |
| 20) Pyrene                  | 19.634 | 202  | 27495    | 0.381 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.388 | 228  | 23840    | 0.403 | ng/ul  | 99       |
| 22) Chrysene                | 21.441 | 228  | 23406    | 0.336 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.034 | 252  | 21307    | 0.319 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.080 | 252  | 19874    | 0.309 | ng/ul# | 97       |
| 26) Benzo(a)pyrene          | 23.642 | 252  | 20258    | 0.356 | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.154 | 276  | 21522    | 0.304 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 26.168 | 278  | 17800    | 0.300 | ng/ul# | 82       |
| 29) Benzo(g,h,i)perylene    | 26.892 | 276  | 18210    | 0.281 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

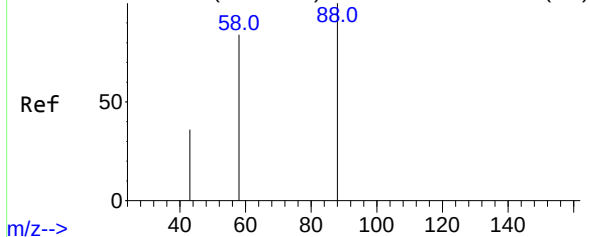
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
Data File : BN019905.D  
Acq On : 21 May 2022 13:23  
Operator : CG/JU  
Sample : PB144975BS  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

Quant Time: May 26 05:33:34 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 17 01:41:05 2022  
Response via : Initial Calibration

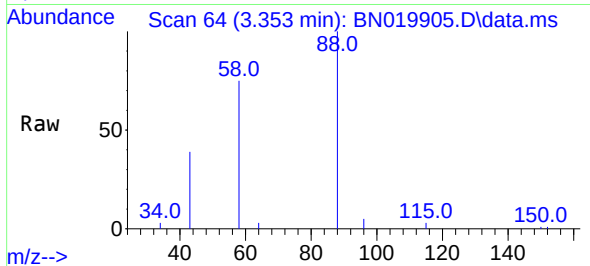


Abundance Scan 64 (3.353 min): BN019891.D\data.ms (-57)

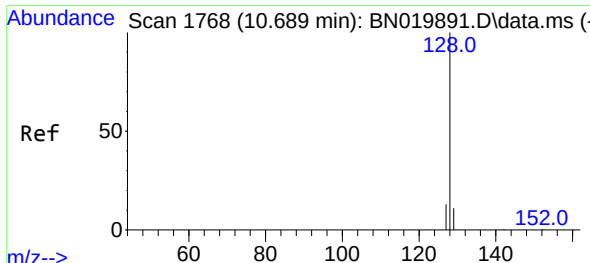
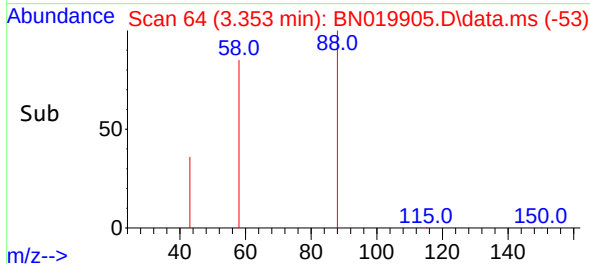
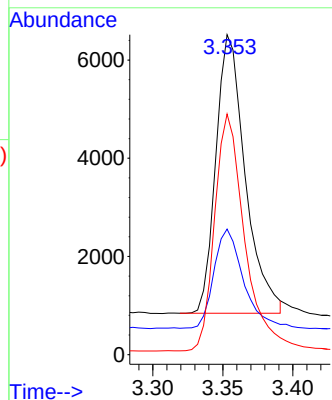


#2  
1,4-Dioxane  
Concen: 1.393 ng/ul  
RT: 3.353 min Scan# 64  
Delta R.T. -0.004 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

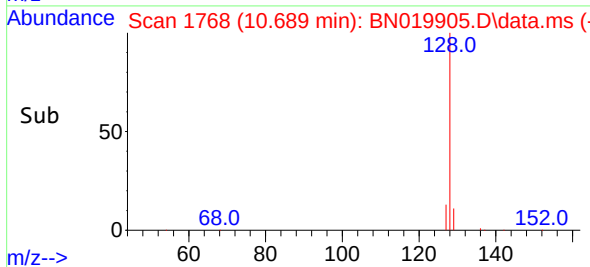
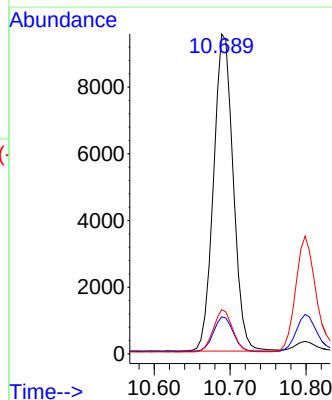
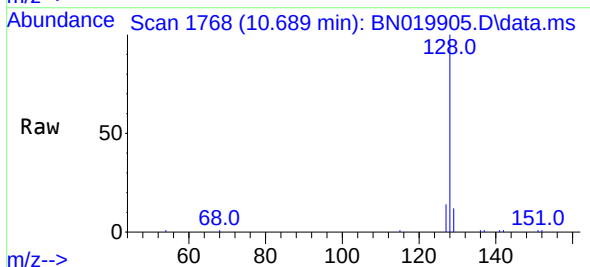


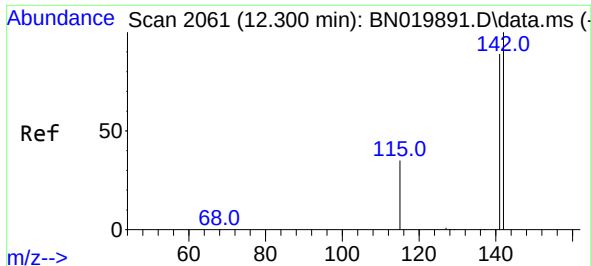
Tgt Ion: 88 Resp: 8269  
Ion Ratio Lower Upper  
88 100  
43 39.2 39.0 58.4  
58 75.2 39.8 59.8#



#5  
Naphthalene  
Concen: 0.331 ng/ul  
RT: 10.689 min Scan# 1768  
Delta R.T. -0.005 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion: 128 Resp: 17070  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.5 14.3  
127 13.9 11.0 16.4

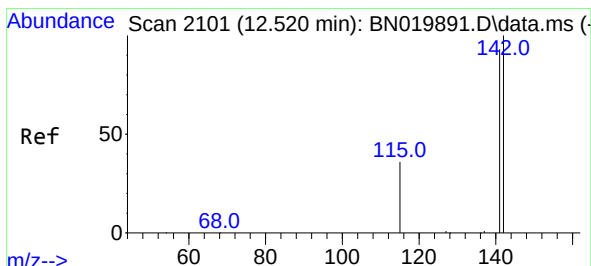
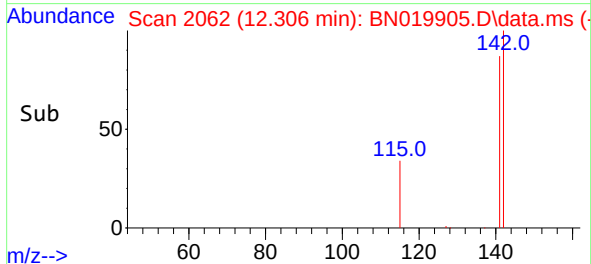
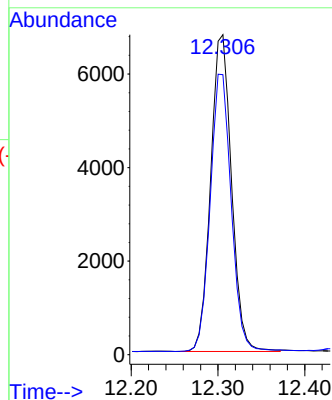
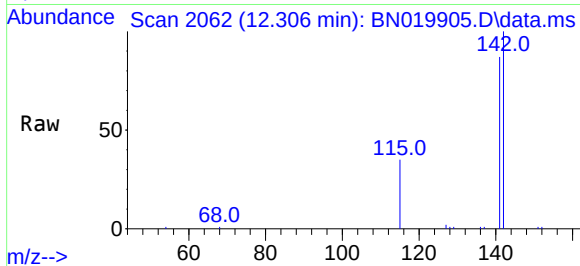




#7  
2-Methylnaphthalene  
Concen: 0.361 ng/ul  
RT: 12.306 min Scan# 2061  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

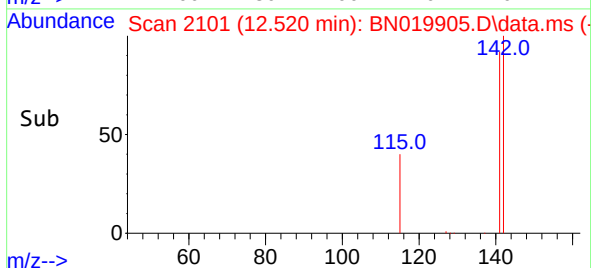
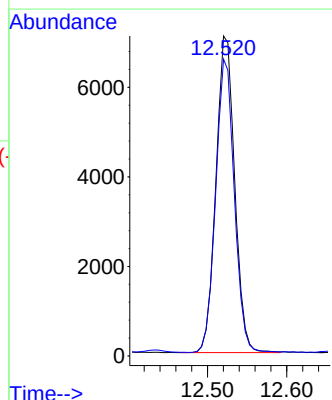
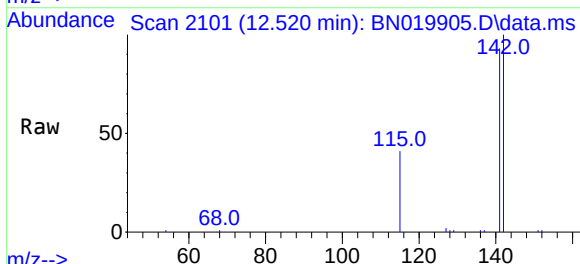
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ClientSampleId :  
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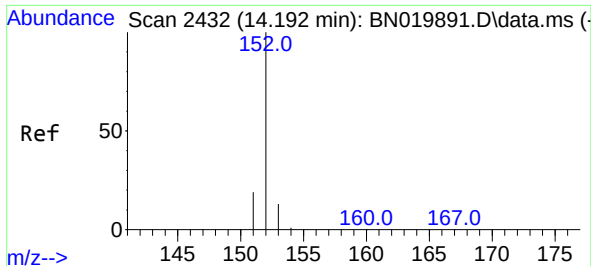
Tgt Ion:142 Resp: 11319  
Ion Ratio Lower Upper  
142 100  
141 88.2 0.0 0.0#



#8  
1-Methylnaphthalene  
Concen: 0.400 ng/ul  
RT: 12.520 min Scan# 2101  
Delta R.T. -0.005 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion:142 Resp: 11629  
Ion Ratio Lower Upper  
142 100  
141 91.9 0.0 0.0#

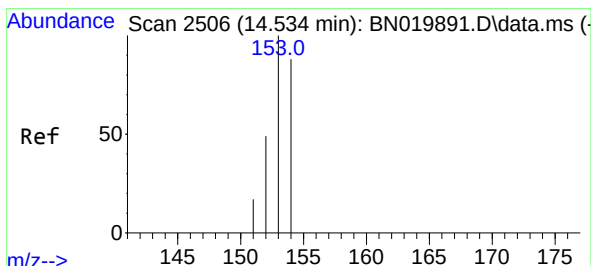
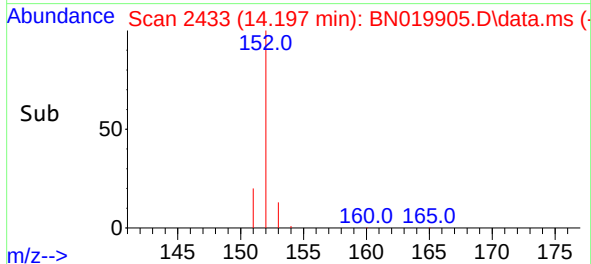
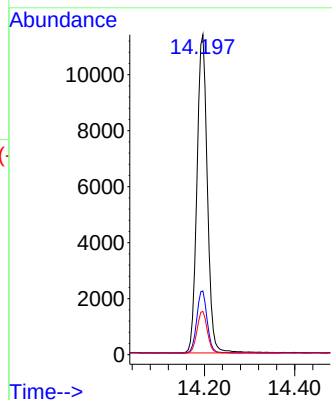
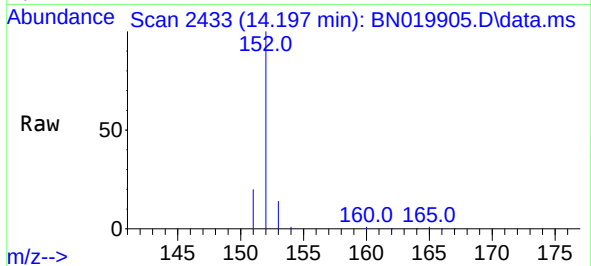




#10  
Acenaphthylene  
Concen: 0.393 ng/u1  
RT: 14.197 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

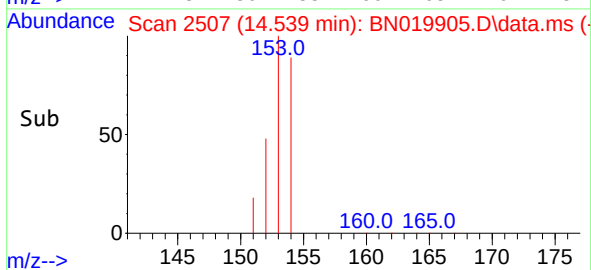
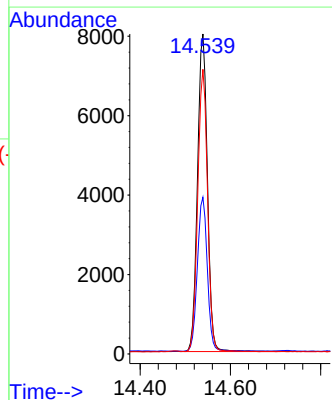
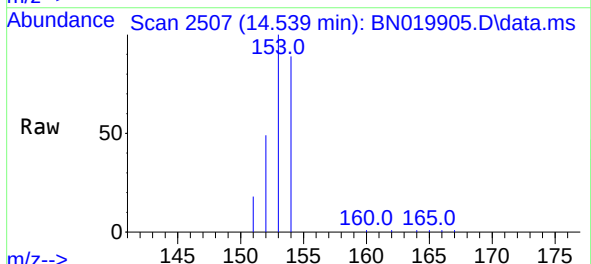
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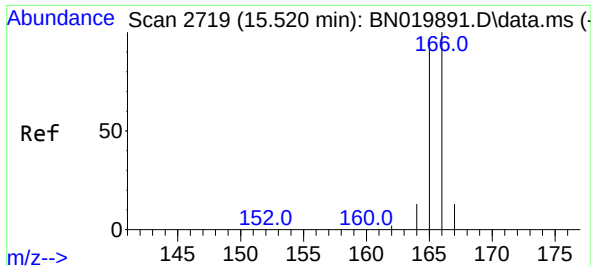
Tgt Ion:152 Resp: 18237  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.3 24.5  
153 13.5 11.1 16.7



#11  
Acenaphthene  
Concen: 0.328 ng/u1  
RT: 14.539 min Scan# 2507  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion:153 Resp: 12231  
Ion Ratio Lower Upper  
153 100  
152 48.9 38.6 57.8  
154 88.9 71.2 106.8

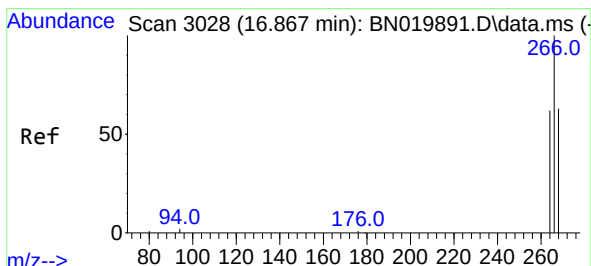
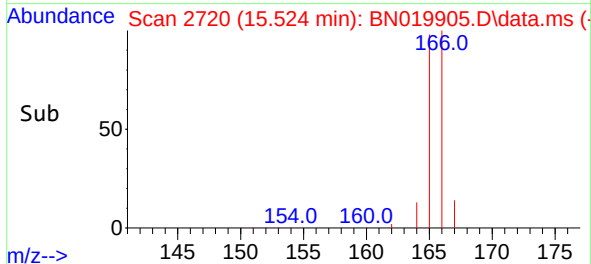
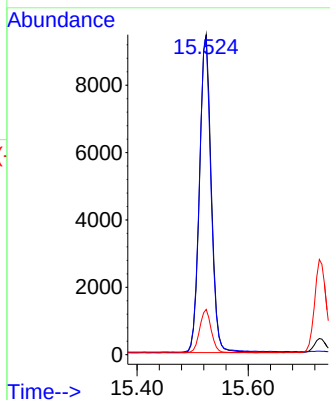
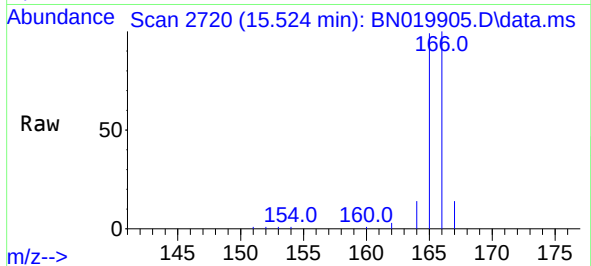




#12  
Fluorene  
Concen: 0.338 ng/ul  
RT: 15.524 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

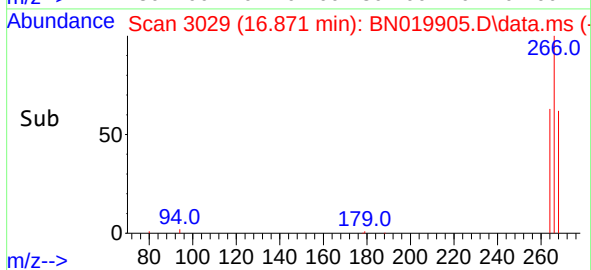
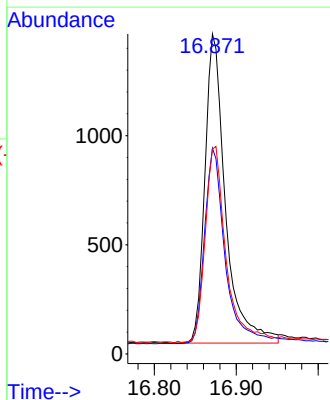
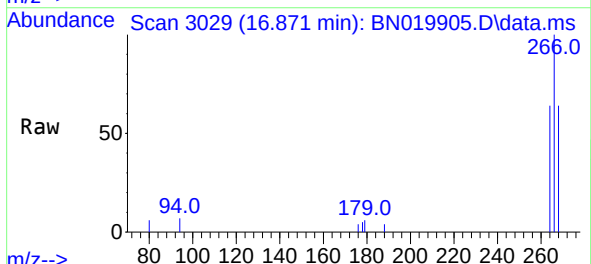
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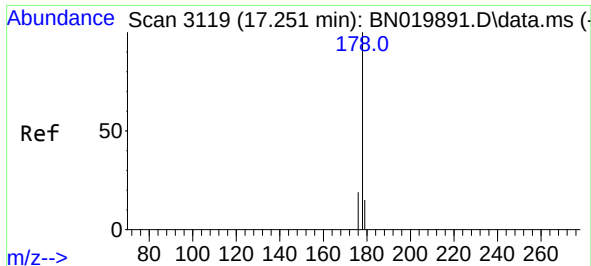
Tgt Ion:166 Resp: 13845  
Ion Ratio Lower Upper  
166 100  
165 98.7 78.2 117.2  
167 14.1 11.3 16.9



#14  
Pentachlorophenol  
Concen: 0.605 ng/ul  
RT: 16.871 min Scan# 3029  
Delta R.T. 0.004 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion:266 Resp: 2469  
Ion Ratio Lower Upper  
266 100  
264 63.8 44.9 67.3  
268 64.7 44.6 67.0

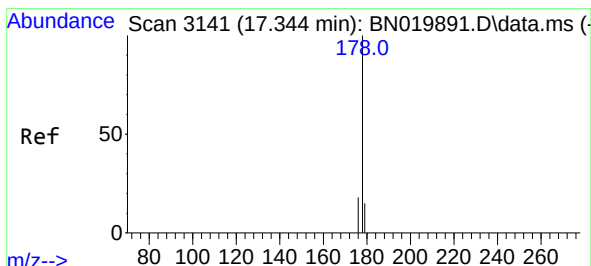
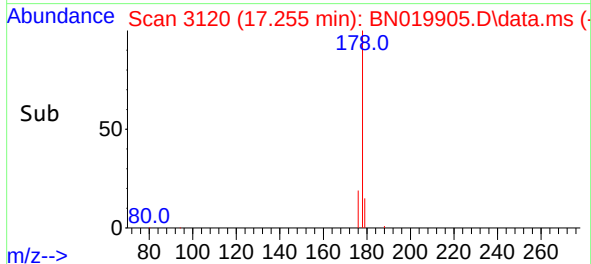
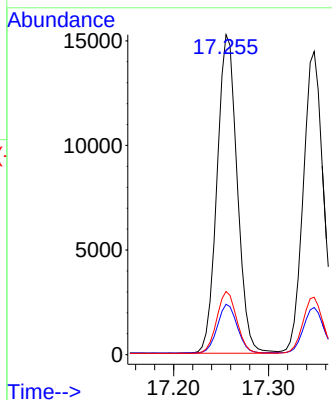
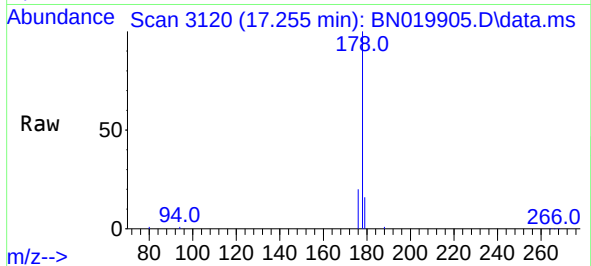




#15  
Phenanthrene  
Concen: 0.323 ng/u1  
RT: 17.255 min Scan# 3119  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

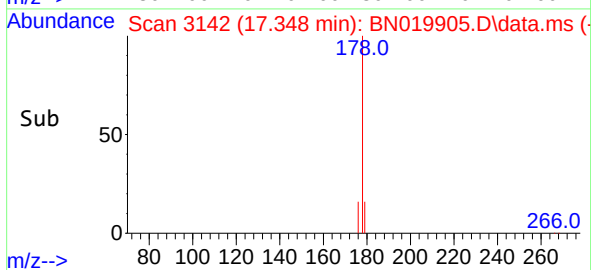
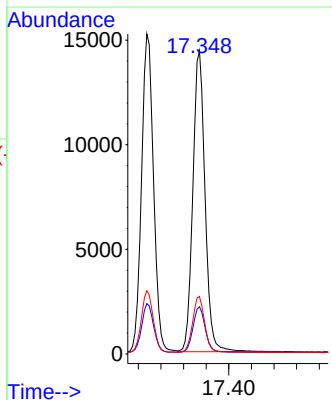
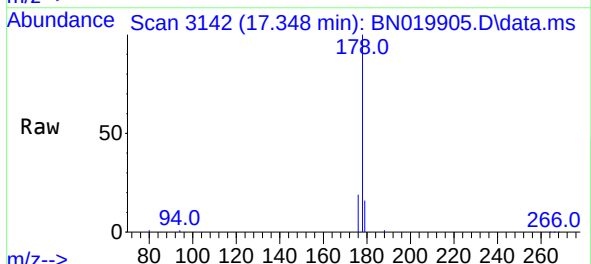
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

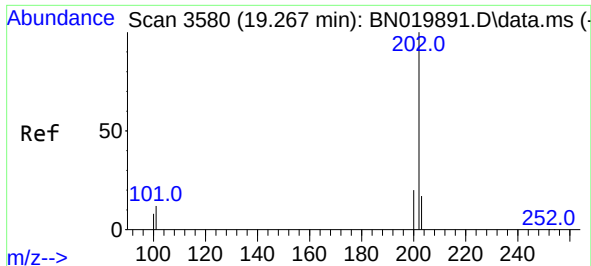
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|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 22506 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.7  | 12.9  | 19.3  |
| 176      | 19.7  | 15.5  | 23.3  |



#16  
Anthracene  
Concen: 0.380 ng/u1  
RT: 17.348 min Scan# 3142  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 21637 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.6  | 13.1  | 19.7  |
| 176      | 18.9  | 15.3  | 22.9  |

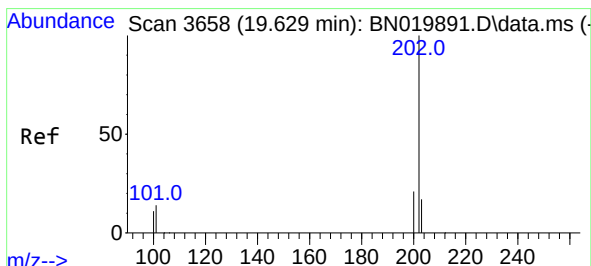
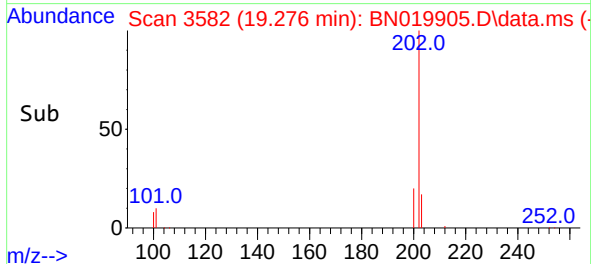
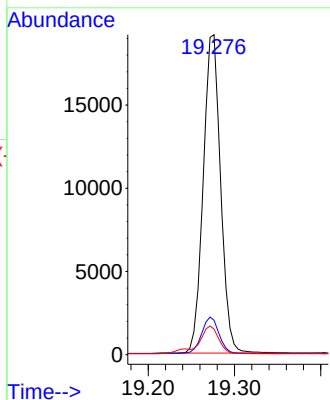
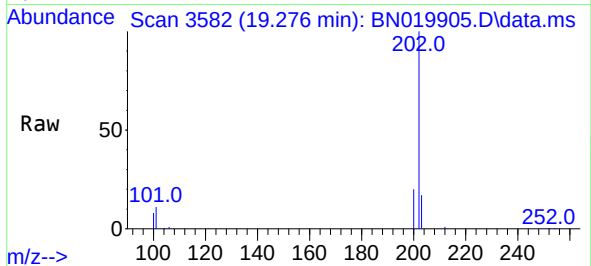




#19  
Fluoranthene  
Concen: 0.370 ng/ul  
RT: 19.276 min Scan# 3580  
Delta R.T. 0.005 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

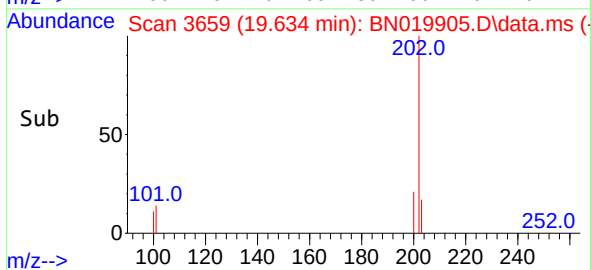
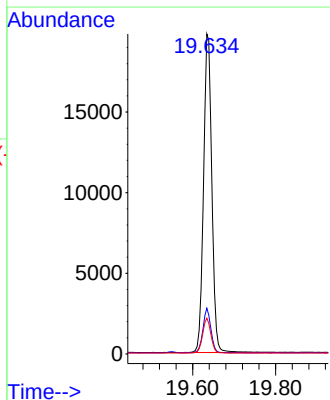
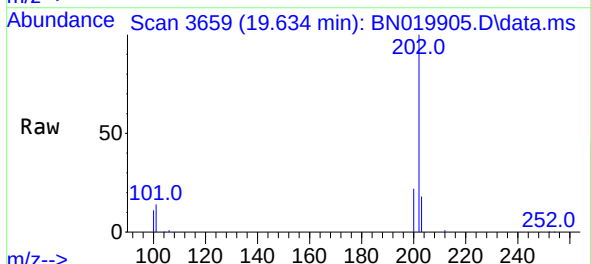
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 26781 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.8  | 9.7   | 14.5  |
| 100       | 8.0   | 7.4   | 11.2  |

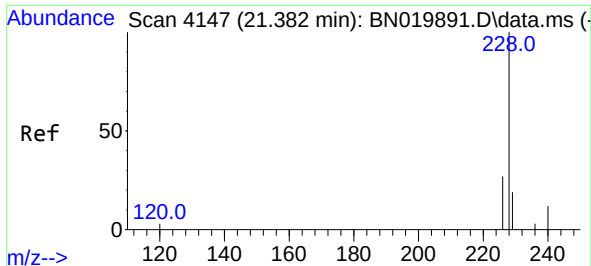


#20  
Pyrene  
Concen: 0.381 ng/ul  
RT: 19.634 min Scan# 3659  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 27495 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.3  | 11.4  | 17.0  |
| 100       | 11.2  | 9.0   | 13.4  |



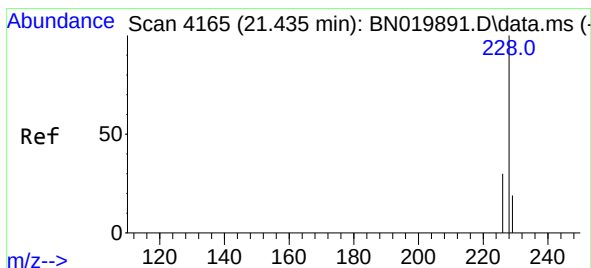
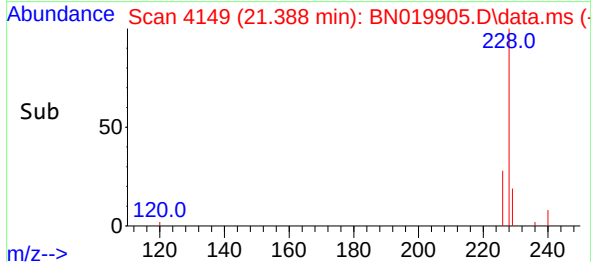
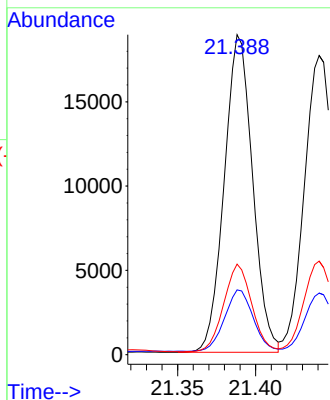
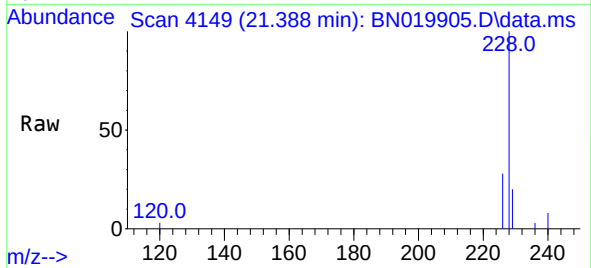




#21  
Benzo(a)anthracene  
Concen: 0.403 ng/ul  
RT: 21.388 min Scan# 4147  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

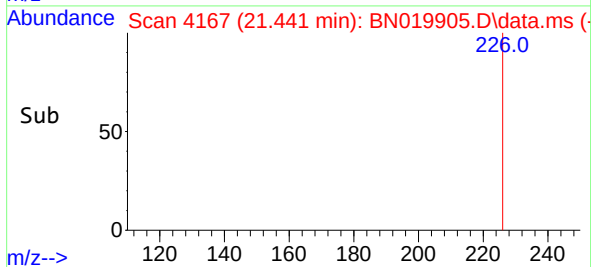
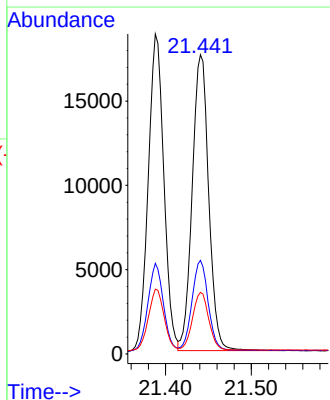
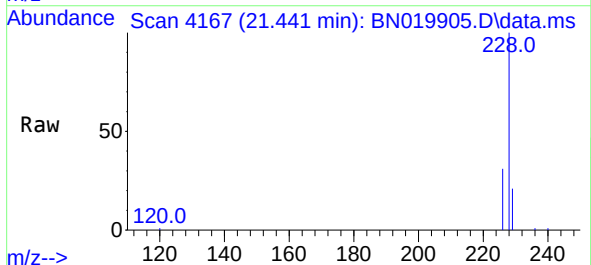
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

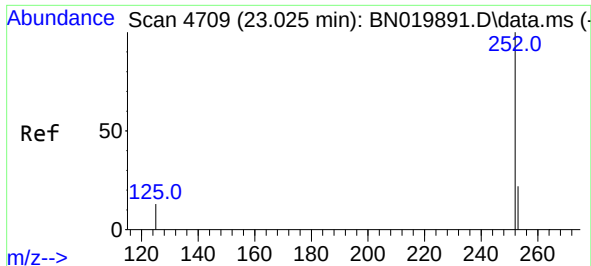
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 23840 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.3  | 16.1  | 24.1  |
| 226       | 28.3  | 22.1  | 33.1  |



#22  
Chrysene  
Concen: 0.336 ng/ul  
RT: 21.441 min Scan# 4167  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 23406 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.3  | 24.2  | 36.2  |
| 229       | 20.6  | 16.0  | 24.0  |

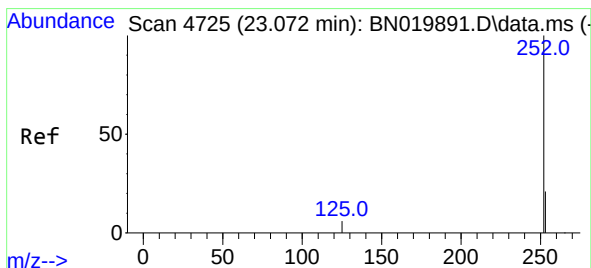
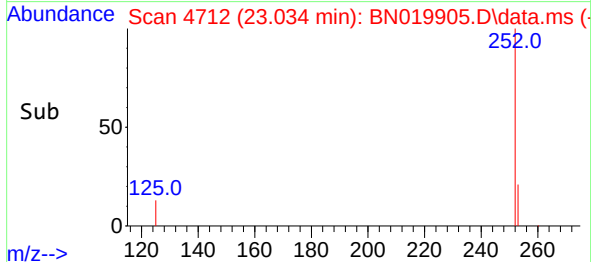
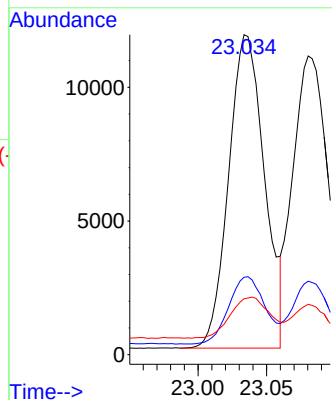
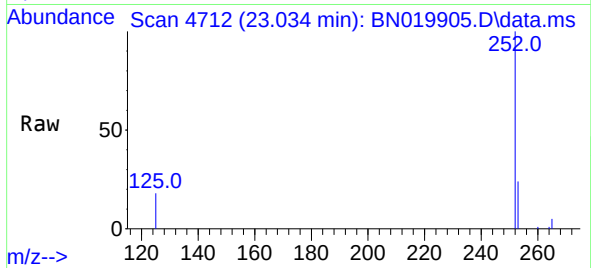




#24  
Benzo(b)fluoranthene  
Concen: 0.319 ng/ul  
RT: 23.034 min Scan# 4712  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

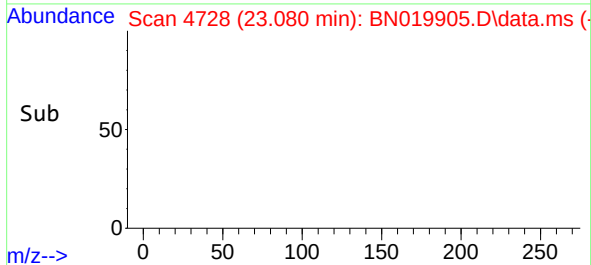
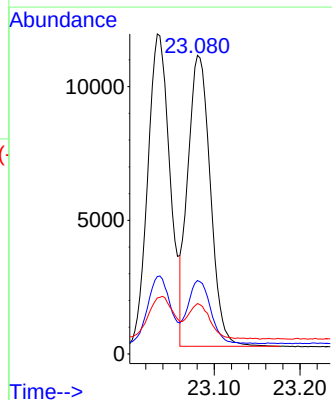
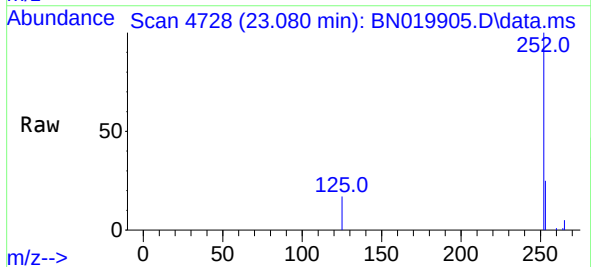
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

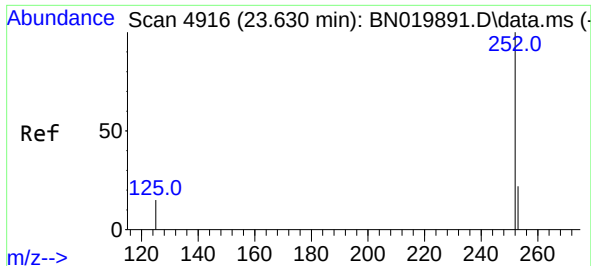
Tgt Ion:252 Resp: 21307  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 52.0  
125 17.5 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 0.309 ng/ul  
RT: 23.080 min Scan# 4728  
Delta R.T. 0.000 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion:252 Resp: 19874  
Ion Ratio Lower Upper  
252 100  
253 24.6 20.2 30.2  
125 16.9 11.0 16.6#

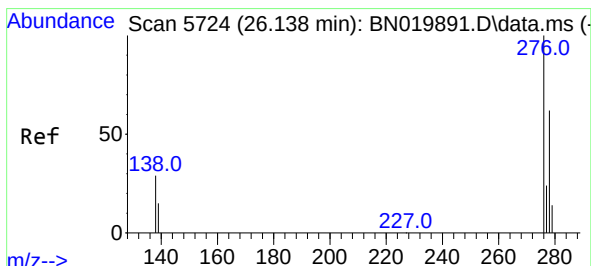
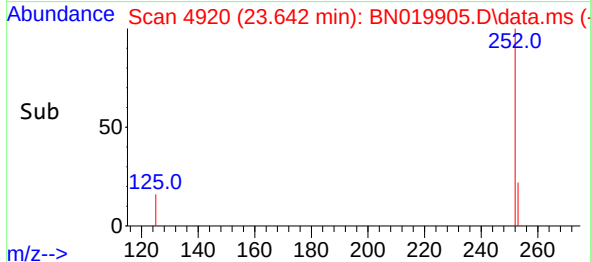
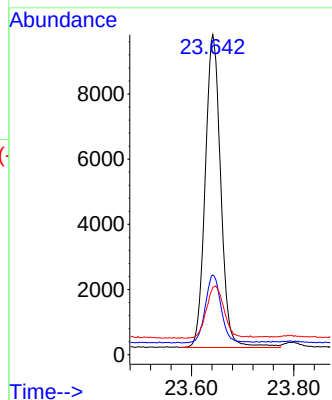
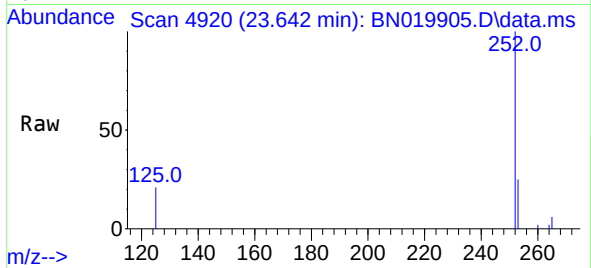




#26  
Benzo(a)pyrene  
Concen: 0.356 ng/ul  
RT: 23.642 min Scan# 4916  
Delta R.T. 0.003 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

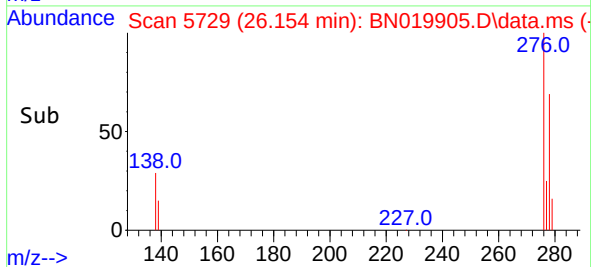
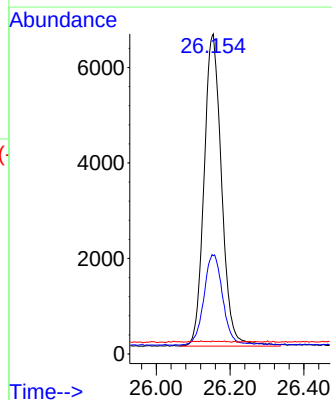
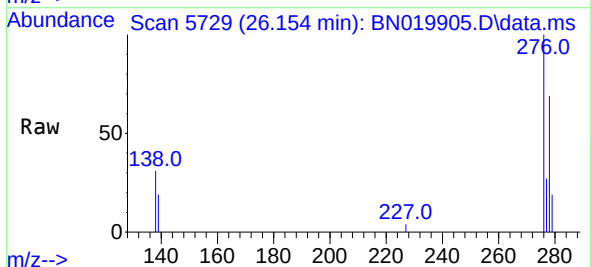
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

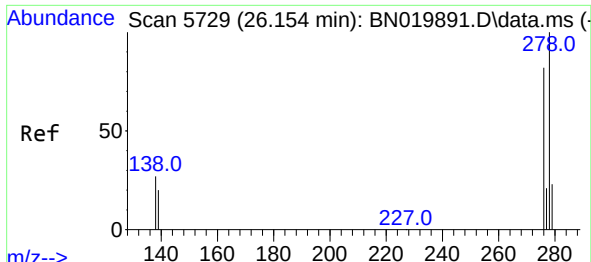
Tgt Ion:252 Resp: 20258  
Ion Ratio Lower Upper  
252 100  
253 24.9 23.4 35.0  
125 21.0 28.3 42.5#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.304 ng/ul  
RT: 26.154 min Scan# 5729  
Delta R.T. 0.007 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion:276 Resp: 21522  
Ion Ratio Lower Upper  
276 100  
138 31.2 23.6 35.4  
227 0.3 0.0 0.0#

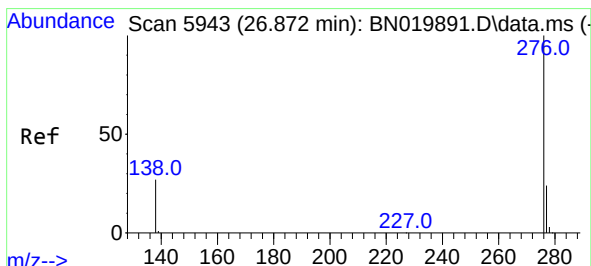
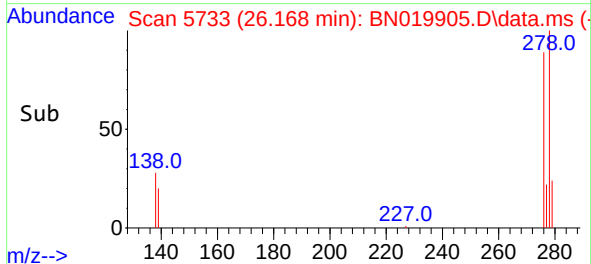
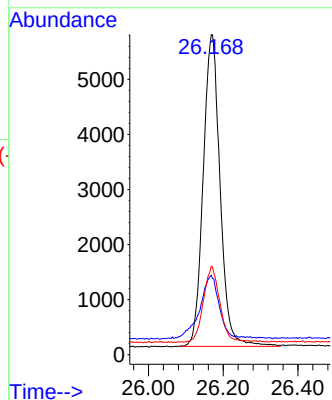
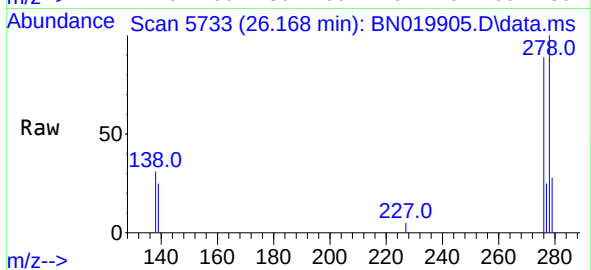




#28  
Dibenzo(a,h)anthracene  
Concen: 0.300 ng/ul  
RT: 26.168 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS975

Tgt Ion:278 Resp: 17800  
Ion Ratio Lower Upper  
278 100  
139 24.8 18.6 28.0  
279 27.6 35.1 52.7#



#29  
Benzo(g,h,i)perylene  
Concen: 0.281 ng/ul  
RT: 26.892 min Scan# 5949  
Delta R.T. 0.014 min  
Lab File: BN019905.D  
Acq: 21 May 2022 13:23

Tgt Ion:276 Resp: 18210  
Ion Ratio Lower Upper  
276 100  
138 28.0 20.9 31.3  
277 26.4 20.4 30.6

