

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013125\  
 Data File : BN036185.D  
 Acq On : 01 Feb 2025 01:28  
 Operator : RC/JU  
 Sample : PB166374BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS374

Quant Time: Feb 03 08:53:14 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 21 23:52:22 2025  
 Response via : Initial Calibration

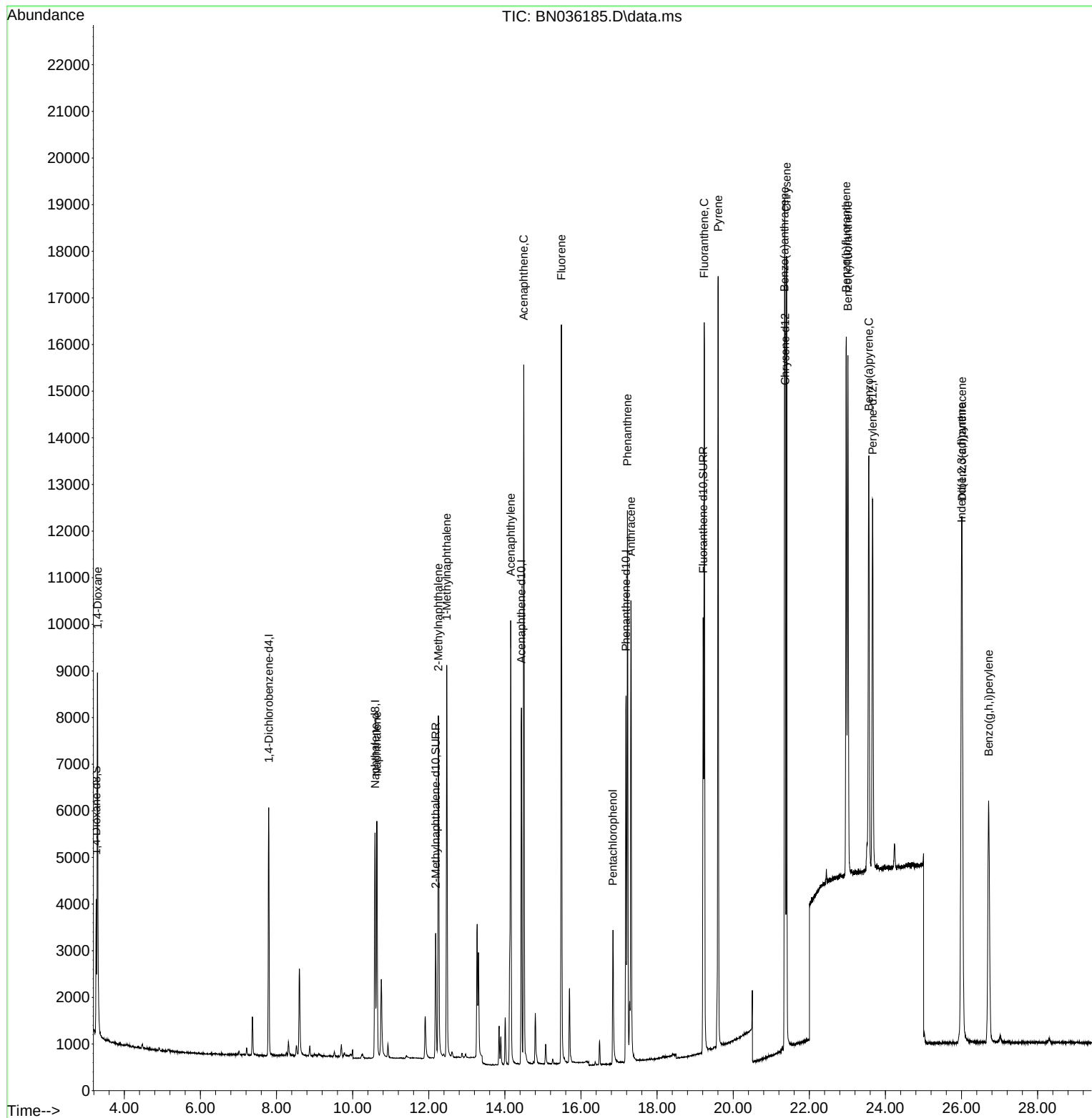
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.795  | 152  | 2658     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.587 | 136  | 6782     | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.436 | 164  | 4294     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.183 | 188  | 9884     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.369 | 240  | 10570    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.663 | 264  | 11107    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.263  | 96   | 1843     | 0.633 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.182 | 152  | 3807     | 0.445 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.211 | 212  | 10752    | 0.370 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.297  | 88   | 5026     | 1.618 | ng/ul  | 91       |
| 5) Naphthalene              | 10.637 | 128  | 6967     | 0.373 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.254 | 142  | 5465     | 0.471 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.474 | 142  | 5735     | 0.487 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.153 | 152  | 10769    | 0.532 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.496 | 153  | 8430     | 0.566 | ng/ul  | 98       |
| 12) Fluorene                | 15.486 | 166  | 9882     | 0.601 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.841 | 266  | 2204     | 0.637 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.221 | 178  | 12954    | 0.448 | ng/ul  | 98       |
| 16) Anthracene              | 17.314 | 178  | 11325    | 0.421 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.238 | 202  | 13847    | 0.345 | ng/ul  | 98       |
| 20) Pyrene                  | 19.606 | 202  | 14702    | 0.351 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.351 | 228  | 14046    | 0.372 | ng/ul  | 99       |
| 22) Chrysene                | 21.404 | 228  | 14164    | 0.367 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.970 | 252  | 14141    | 0.382 | ng/ul  | 93       |
| 25) Benzo(k)fluoranthene    | 23.014 | 252  | 14484    | 0.372 | ng/ul# | 95       |
| 26) Benzo(a)pyrene          | 23.564 | 252  | 12999    | 0.388 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.998 | 276  | 14457    | 0.327 | ng/ul# | 50       |
| 28) Dibenzo(a,h)anthracene  | 26.015 | 278  | 11276    | 0.330 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 26.712 | 276  | 11118    | 0.323 | ng/ul  | 99       |

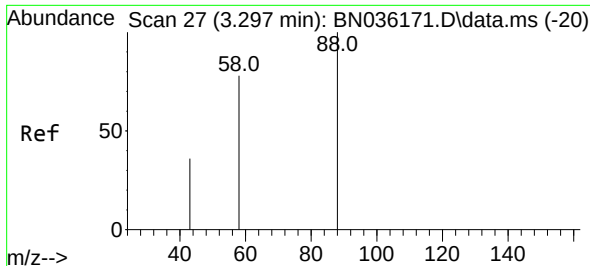
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013125\  
Data File : BN036185.D  
Acq On : 01 Feb 2025 01:28  
Operator : RC/JU  
Sample : PB166374BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

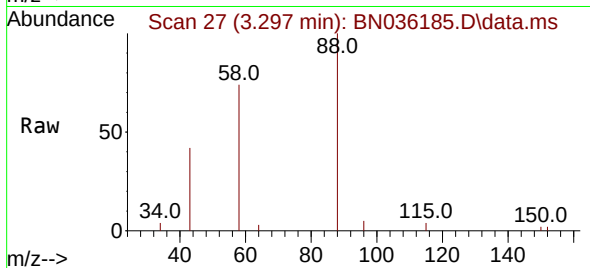
Quant Time: Feb 03 08:53:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 21 23:52:22 2025  
Response via : Initial Calibration





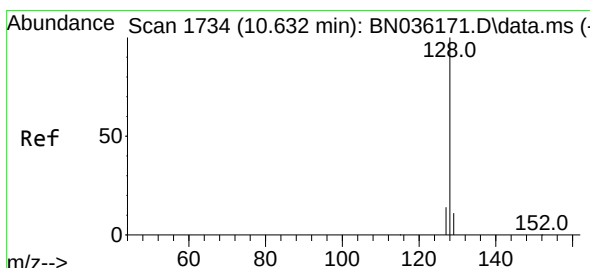
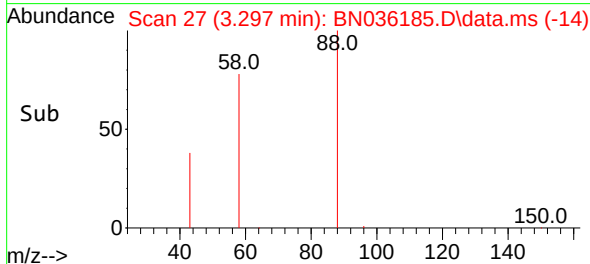
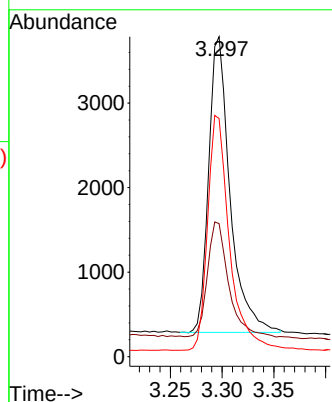
#2  
1,4-Dioxane  
Concen: 1.618 ng/ul  
RT: 3.297 min Scan# 21  
Delta R.T. -0.017 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374



Tgt Ion: 88 Resp: 5026

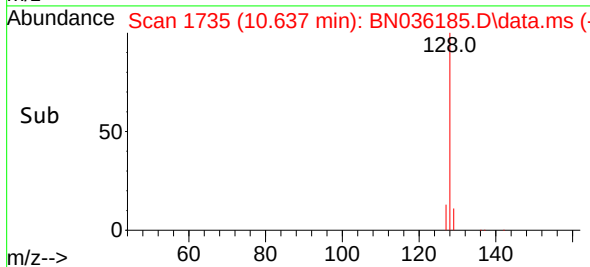
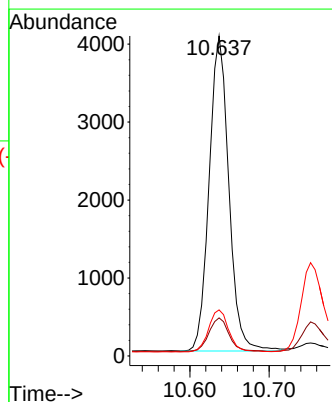
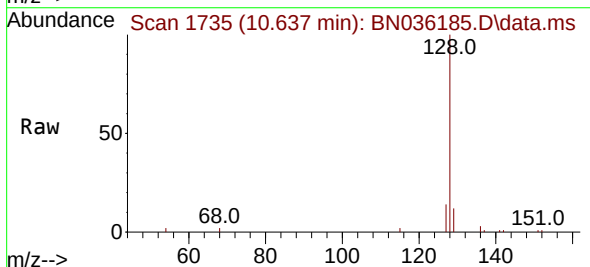
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 41.6  | 40.7  | 61.1  |
| 58  | 74.4  | 55.2  | 82.8  |

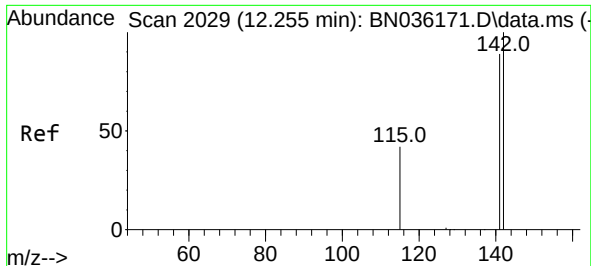


#5  
Naphthalene  
Concen: 0.373 ng/ul  
RT: 10.637 min Scan# 1735  
Delta R.T. -0.018 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion: 128 Resp: 6967

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.9  | 9.6   | 14.4  |
| 127 | 14.4  | 12.0  | 18.0  |

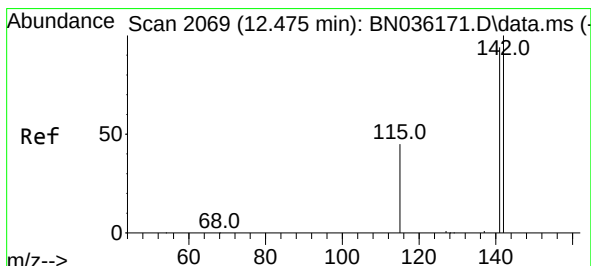
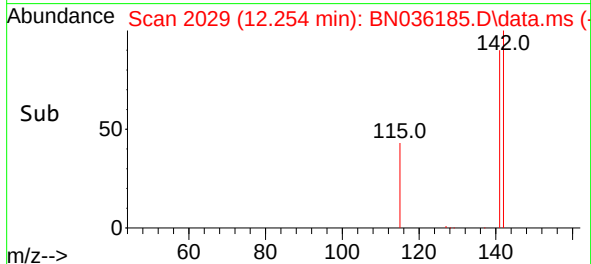
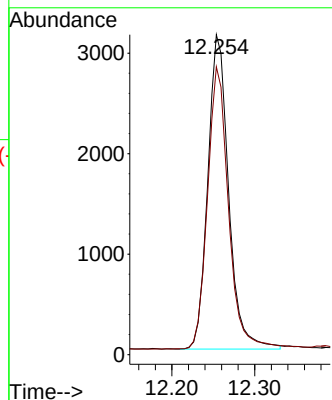
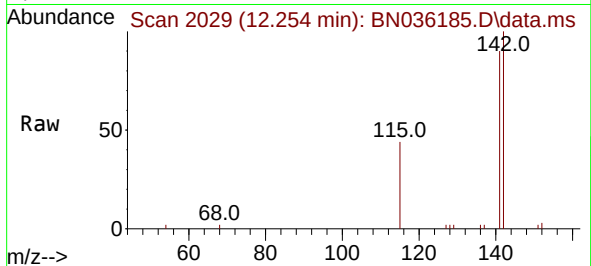




#7  
2-Methylnaphthalene  
Concen: 0.471 ng/ul  
RT: 12.254 min Scan# 2029  
Delta R.T. -0.018 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

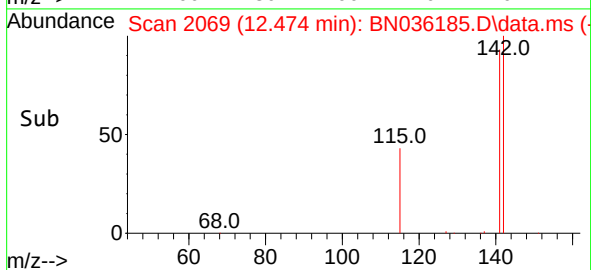
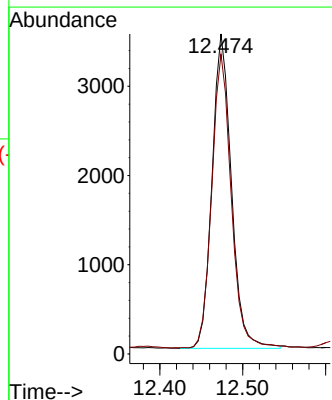
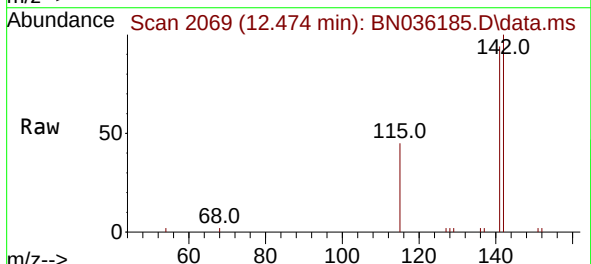
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

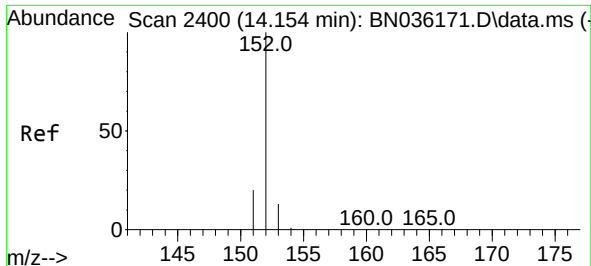
Tgt Ion:142 Resp: 5465  
Ion Ratio Lower Upper  
142 100  
141 90.4 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.487 ng/ul  
RT: 12.474 min Scan# 2069  
Delta R.T. -0.018 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:142 Resp: 5735  
Ion Ratio Lower Upper  
142 100  
141 93.7 75.2 112.8

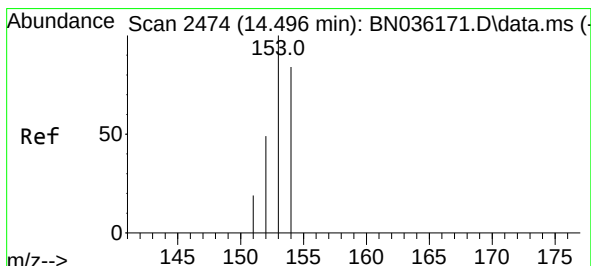
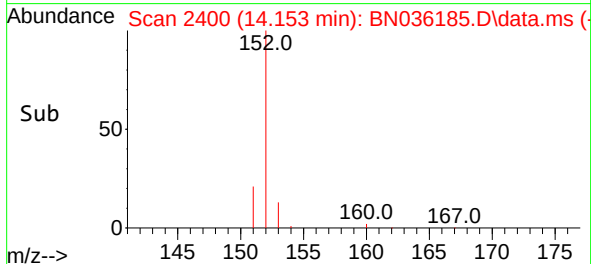
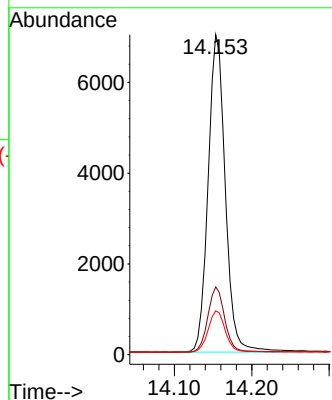
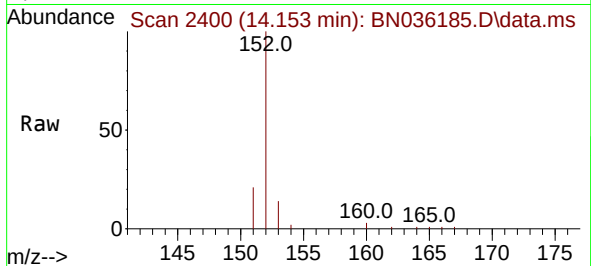




#10  
Acenaphthylene  
Concen: 0.532 ng/ul  
RT: 14.153 min Scan# 2400  
Delta R.T. -0.014 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

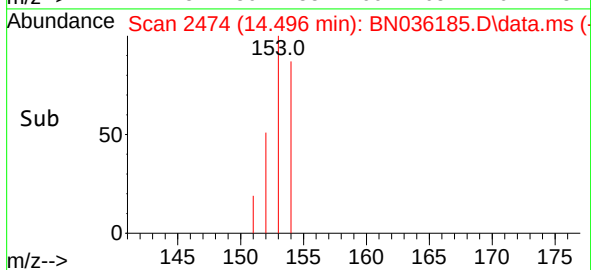
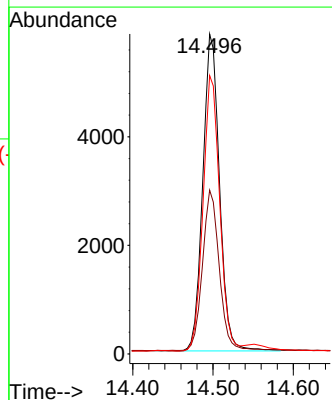
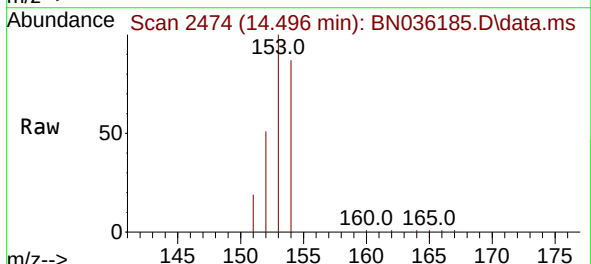
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

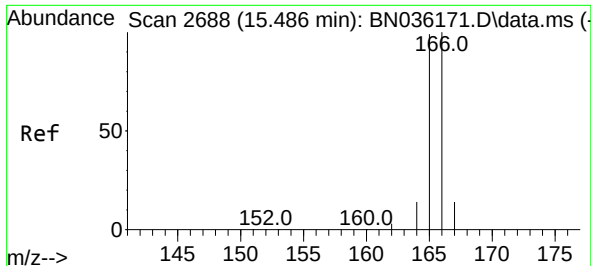
Tgt Ion:152 Resp: 10769  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.4 26.2  
153 13.7 11.9 17.9



#11  
Acenaphthene  
Concen: 0.566 ng/ul  
RT: 14.496 min Scan# 2474  
Delta R.T. -0.019 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:153 Resp: 8430  
Ion Ratio Lower Upper  
153 100  
152 51.2 43.2 64.8  
154 87.0 70.5 105.7

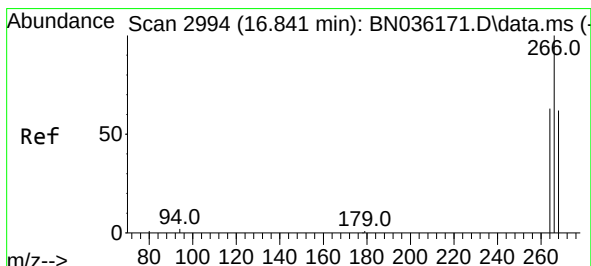
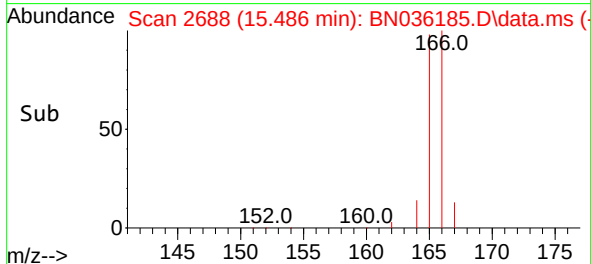
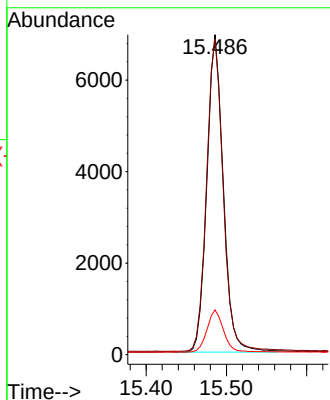
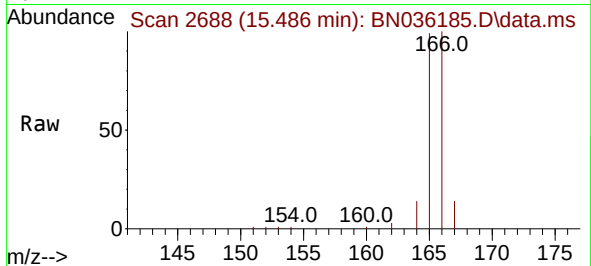




#12  
Fluorene  
Concen: 0.601 ng/ul  
RT: 15.486 min Scan# 2688  
Delta R.T. -0.014 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

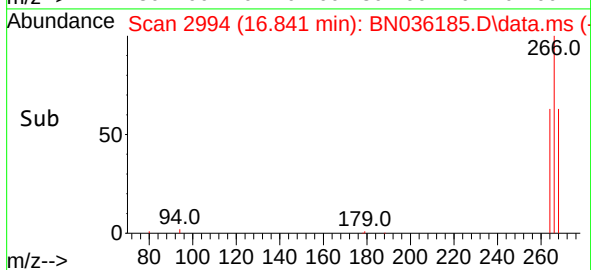
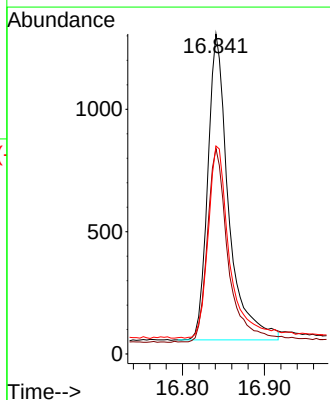
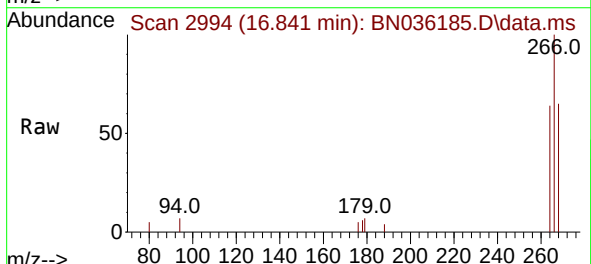
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

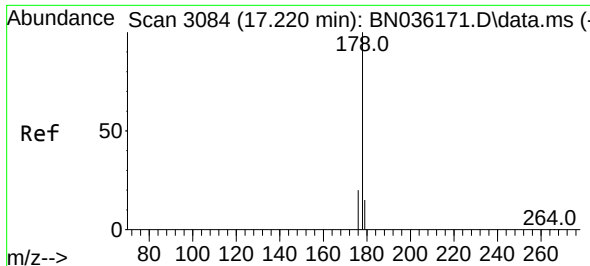
Tgt Ion:166 Resp: 9882  
Ion Ratio Lower Upper  
166 100  
165 98.6 80.3 120.5  
167 14.0 12.3 18.5



#14  
Pentachlorophenol  
Concen: 0.637 ng/ul  
RT: 16.841 min Scan# 2994  
Delta R.T. -0.000 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:266 Resp: 2204  
Ion Ratio Lower Upper  
266 100  
264 63.2 50.6 75.8  
268 64.8 50.6 75.8

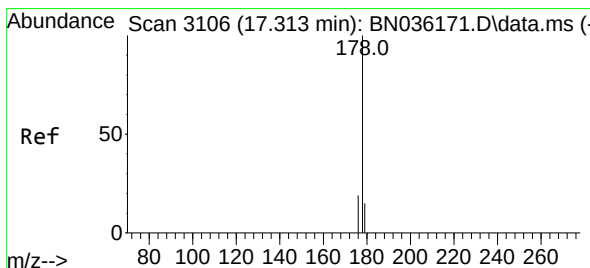
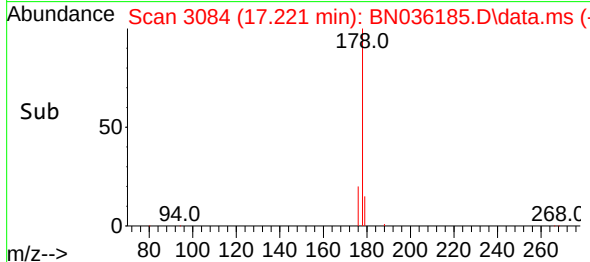
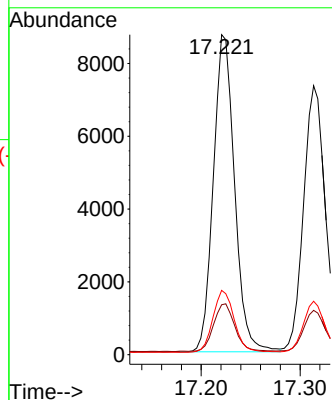
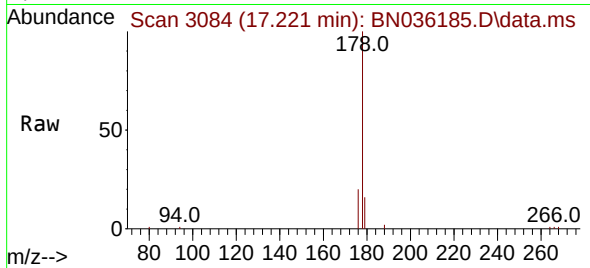




#15  
Phenanthrene  
Concen: 0.448 ng/ul  
RT: 17.221 min Scan# 3084  
Delta R.T. -0.013 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

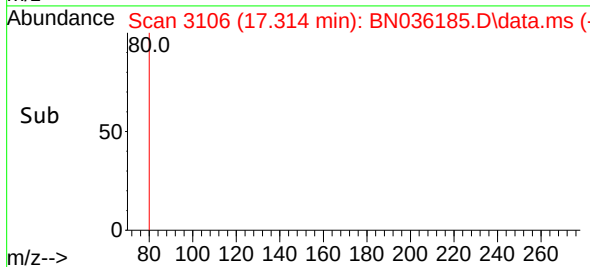
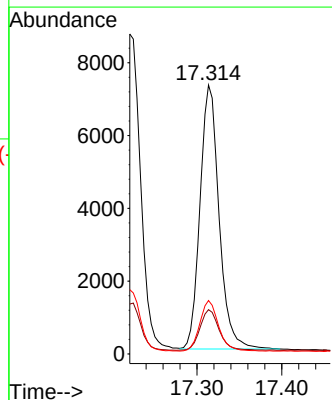
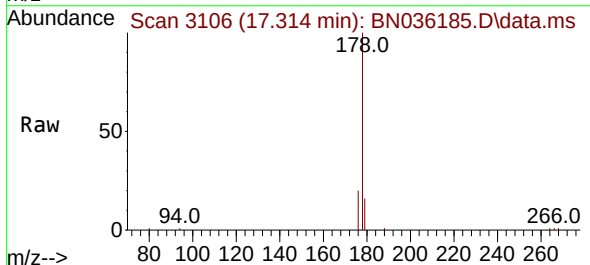
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

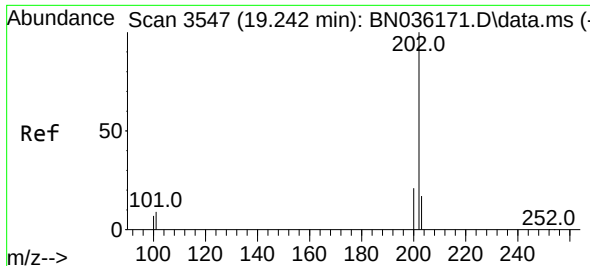
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 12954     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.6  | 13.2 19.8 |
| 176         | 20.1  | 16.8 25.2 |



#16  
Anthracene  
Concen: 0.421 ng/ul  
RT: 17.314 min Scan# 3106  
Delta R.T. -0.008 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 11325     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 16.5  | 13.0 19.4 |
| 176         | 19.9  | 15.9 23.9 |

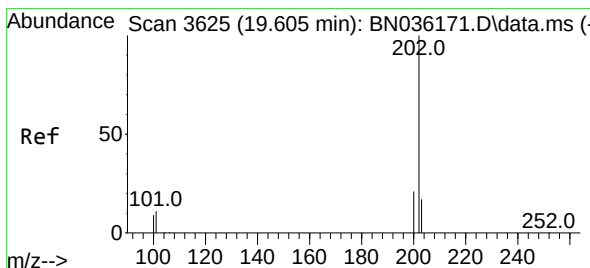
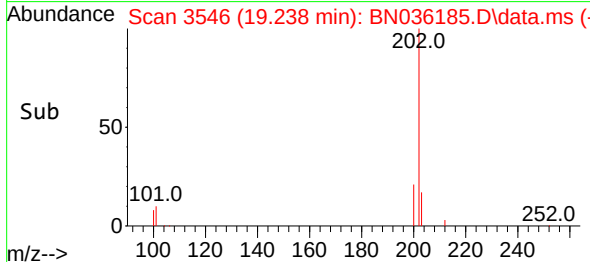
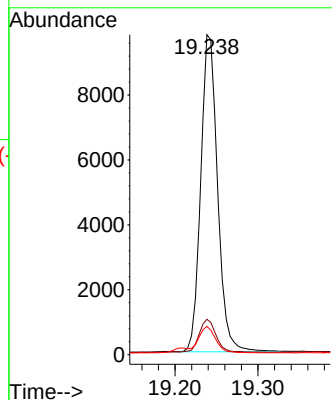
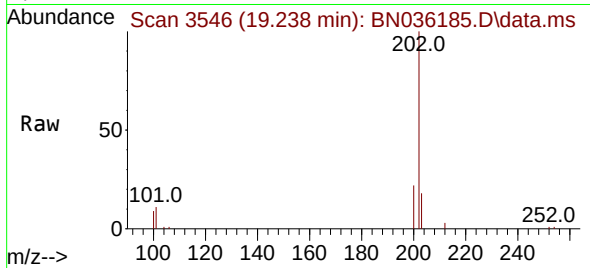




#19  
Fluoranthene  
Concen: 0.345 ng/ul  
RT: 19.238 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

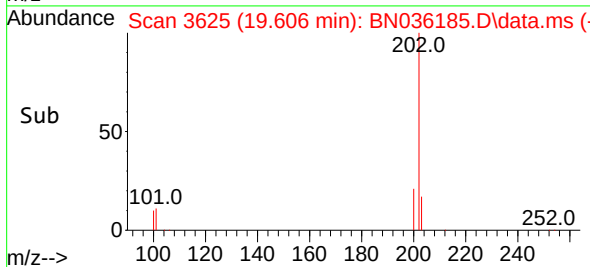
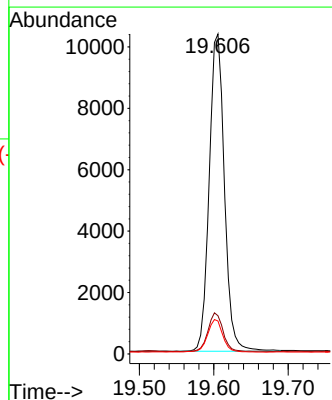
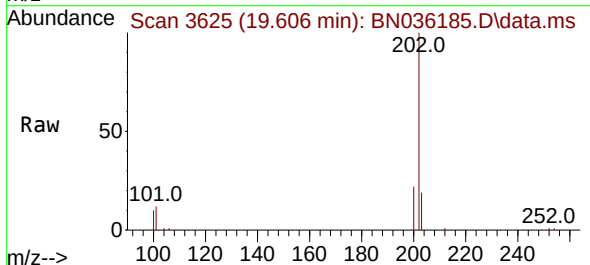
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

Tgt Ion:202 Resp: 13847  
Ion Ratio Lower Upper  
202 100  
101 11.0 8.4 12.6  
100 8.9 6.5 9.7

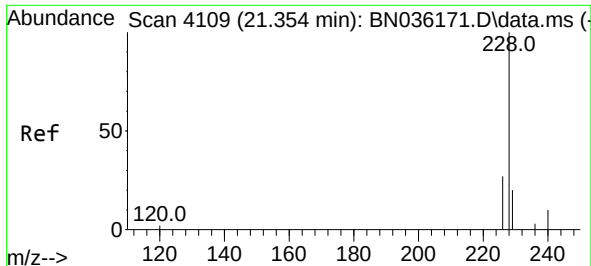


#20  
Pyrene  
Concen: 0.351 ng/ul  
RT: 19.606 min Scan# 3625  
Delta R.T. -0.004 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:202 Resp: 14702  
Ion Ratio Lower Upper  
202 100  
101 12.0 9.3 13.9  
100 10.3 7.5 11.3



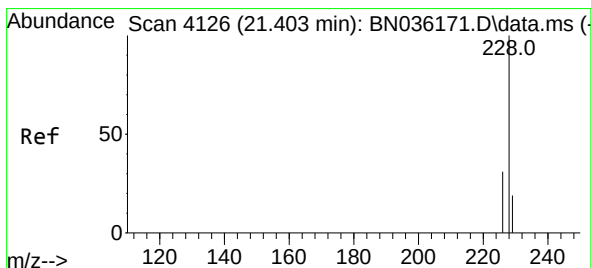
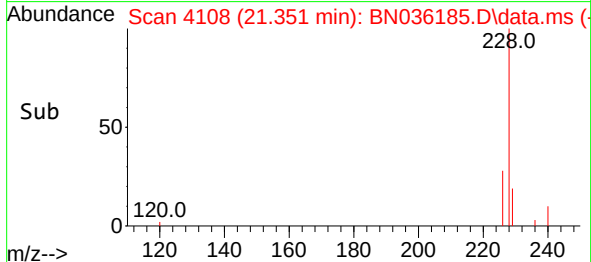
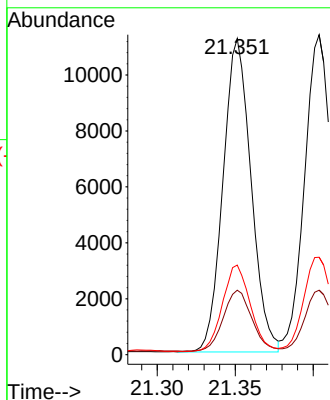
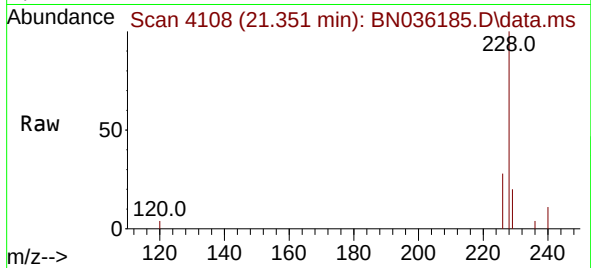




#21  
Benzo(a)anthracene  
Concen: 0.372 ng/ul  
RT: 21.351 min Scan# 4109  
Delta R.T. -0.003 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

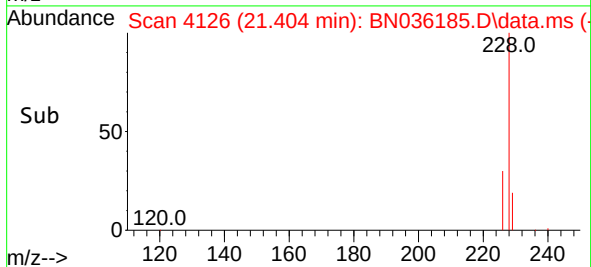
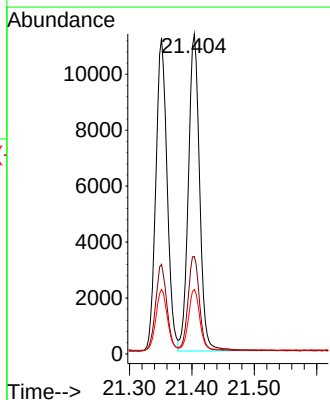
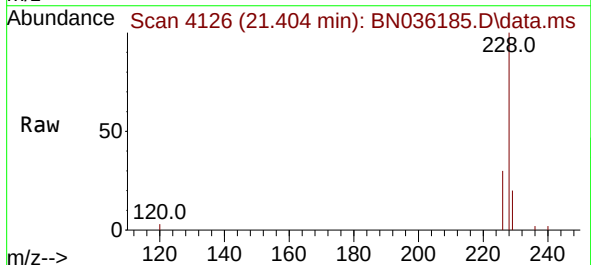
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

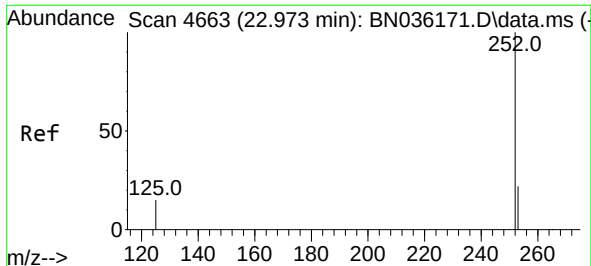
Tgt Ion:228 Resp: 14046  
Ion Ratio Lower Upper  
228 100  
229 20.4 15.9 23.9  
226 28.3 22.8 34.2



#22  
Chrysene  
Concen: 0.367 ng/ul  
RT: 21.404 min Scan# 4126  
Delta R.T. -0.003 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:228 Resp: 14164  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.4 36.6  
229 20.2 15.9 23.9

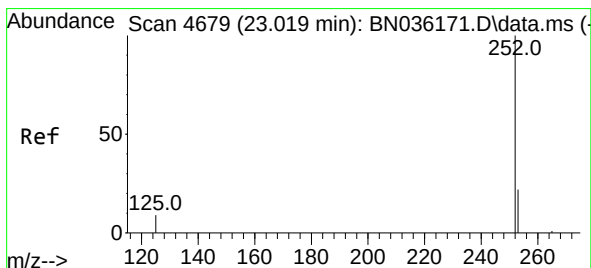
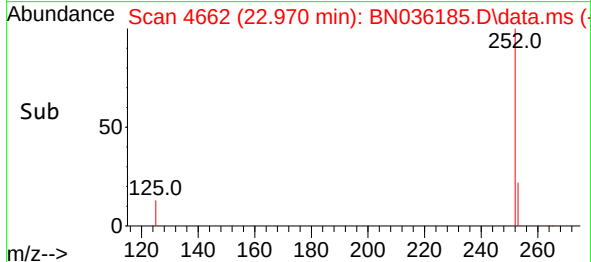
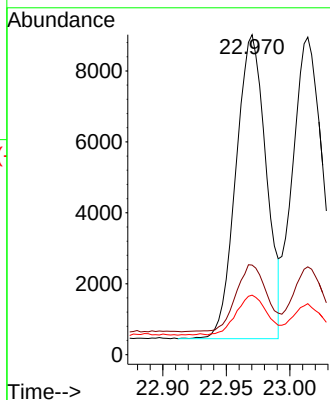
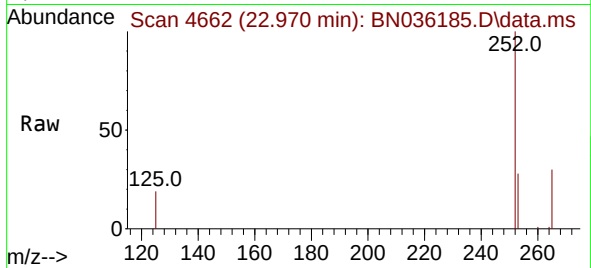




#24  
Benzo(b)fluoranthene  
Concen: 0.382 ng/ul  
RT: 22.970 min Scan# 4662  
Delta R.T. -0.003 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

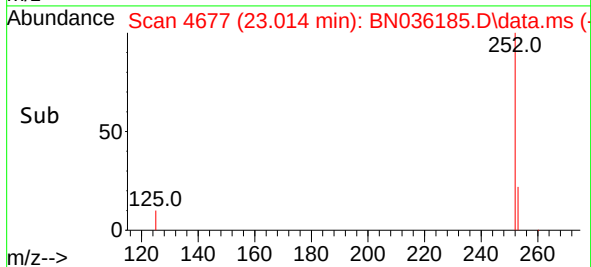
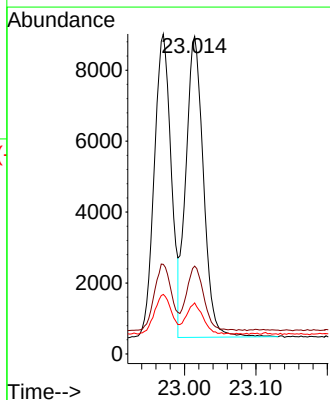
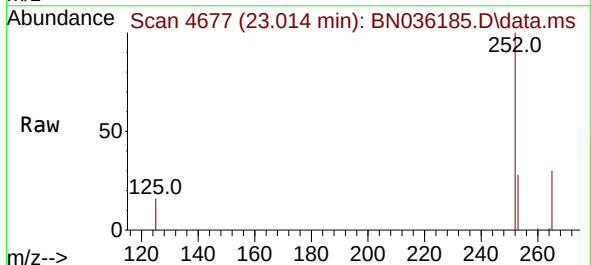
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

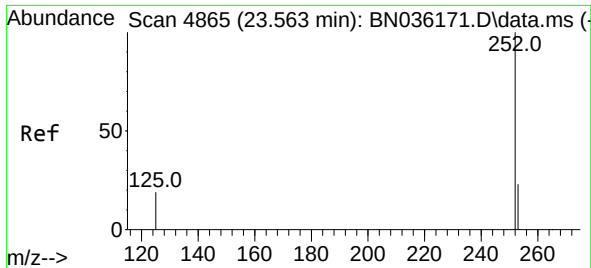
Tgt Ion:252 Resp: 14141  
Ion Ratio Lower Upper  
252 100  
253 28.0 0.0 51.2  
125 18.6 0.0 27.8



#25  
Benzo(k)fluoranthene  
Concen: 0.372 ng/ul  
RT: 23.014 min Scan# 4677  
Delta R.T. -0.005 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:252 Resp: 14484  
Ion Ratio Lower Upper  
252 100  
253 27.7 20.2 30.4  
125 16.1 10.6 16.0#

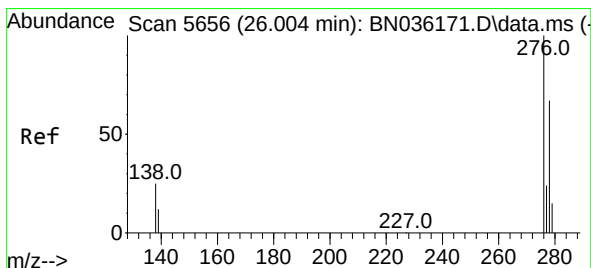
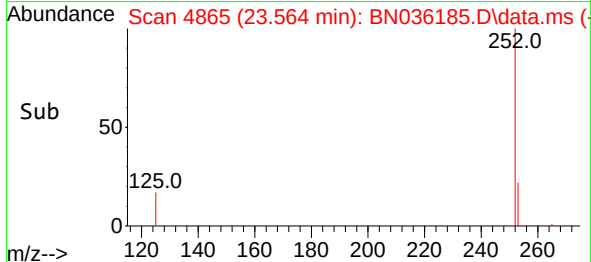
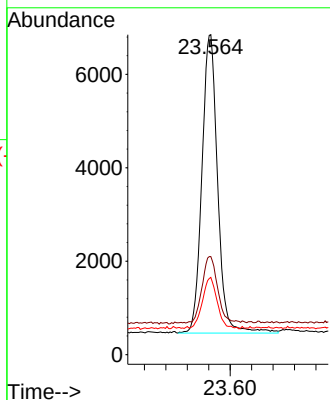
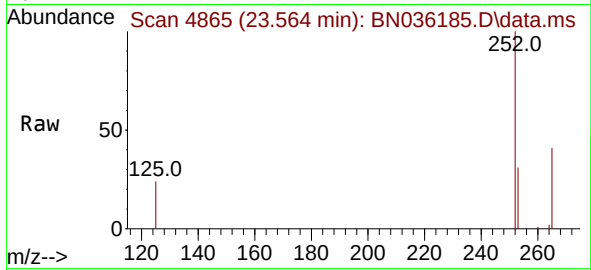




#26  
Benzo(a)pyrene  
Concen: 0.388 ng/ul  
RT: 23.564 min Scan# 4865  
Delta R.T. 0.000 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

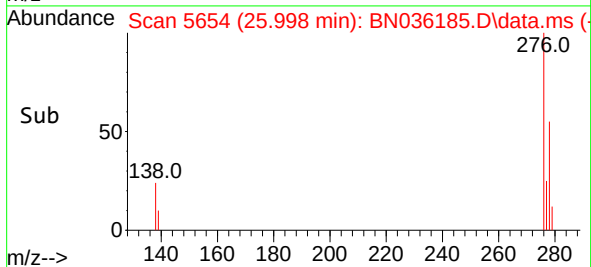
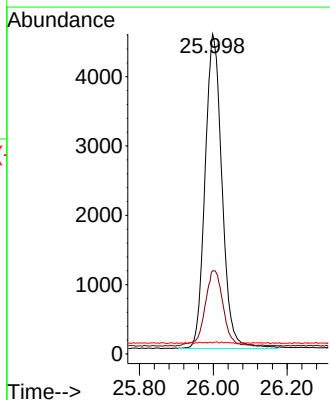
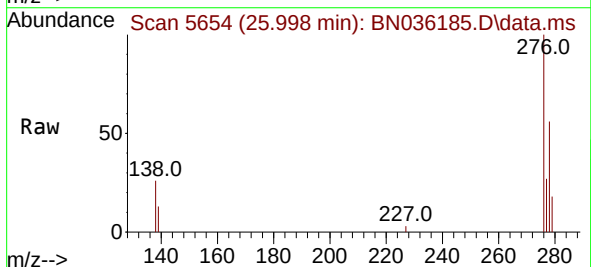
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

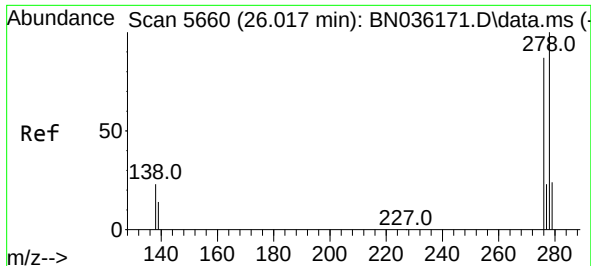
Tgt Ion:252 Resp: 12999  
Ion Ratio Lower Upper  
252 100  
253 30.6 22.2 33.4  
125 24.1 13.1 19.7#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.327 ng/ul  
RT: 25.998 min Scan# 5654  
Delta R.T. -0.006 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:276 Resp: 14457  
Ion Ratio Lower Upper  
276 100  
138 0.0 20.2 30.4#  
227 0.1 0.1 0.1#

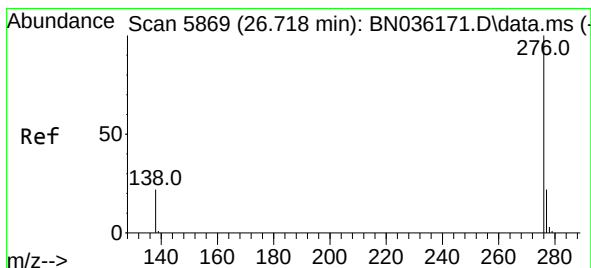
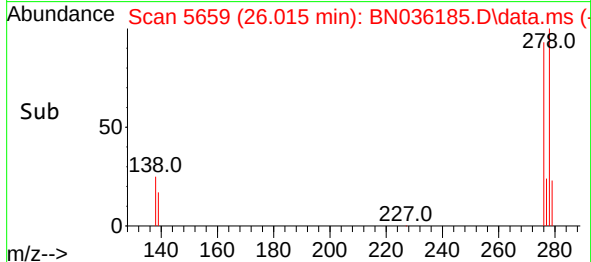
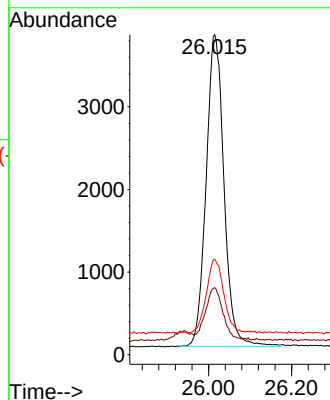
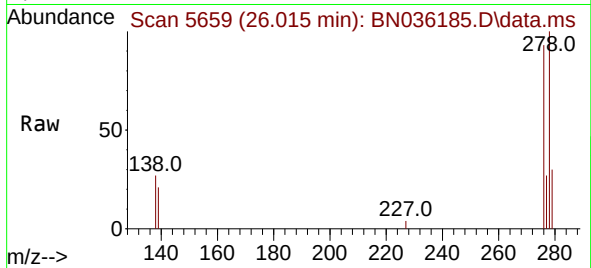




#28  
Dibenzo(a,h)anthracene  
Concen: 0.330 ng/ul  
RT: 26.015 min Scan# 5659  
Delta R.T. -0.006 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS374

Tgt Ion:278 Resp: 11276  
Ion Ratio Lower Upper  
278 100  
139 21.0 15.4 23.2  
279 29.8 22.2 33.4



#29  
Benzo(g,h,i)perylene  
Concen: 0.323 ng/ul  
RT: 26.712 min Scan# 5867  
Delta R.T. -0.006 min  
Lab File: BN036185.D  
Acq: 01 Feb 2025 01:28

Tgt Ion:276 Resp: 11118  
Ion Ratio Lower Upper  
276 100  
138 24.5 19.4 29.0  
277 26.6 21.1 31.7

