

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011725\
 Data File : BN035985.D
 Acq On : 18 Jan 2025 12:03
 Operator : RC/JU
 Sample : PB166121BS
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121

Quant Time: Jan 19 23:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN123124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 10:40:45 2025
 Response via : Initial Calibration

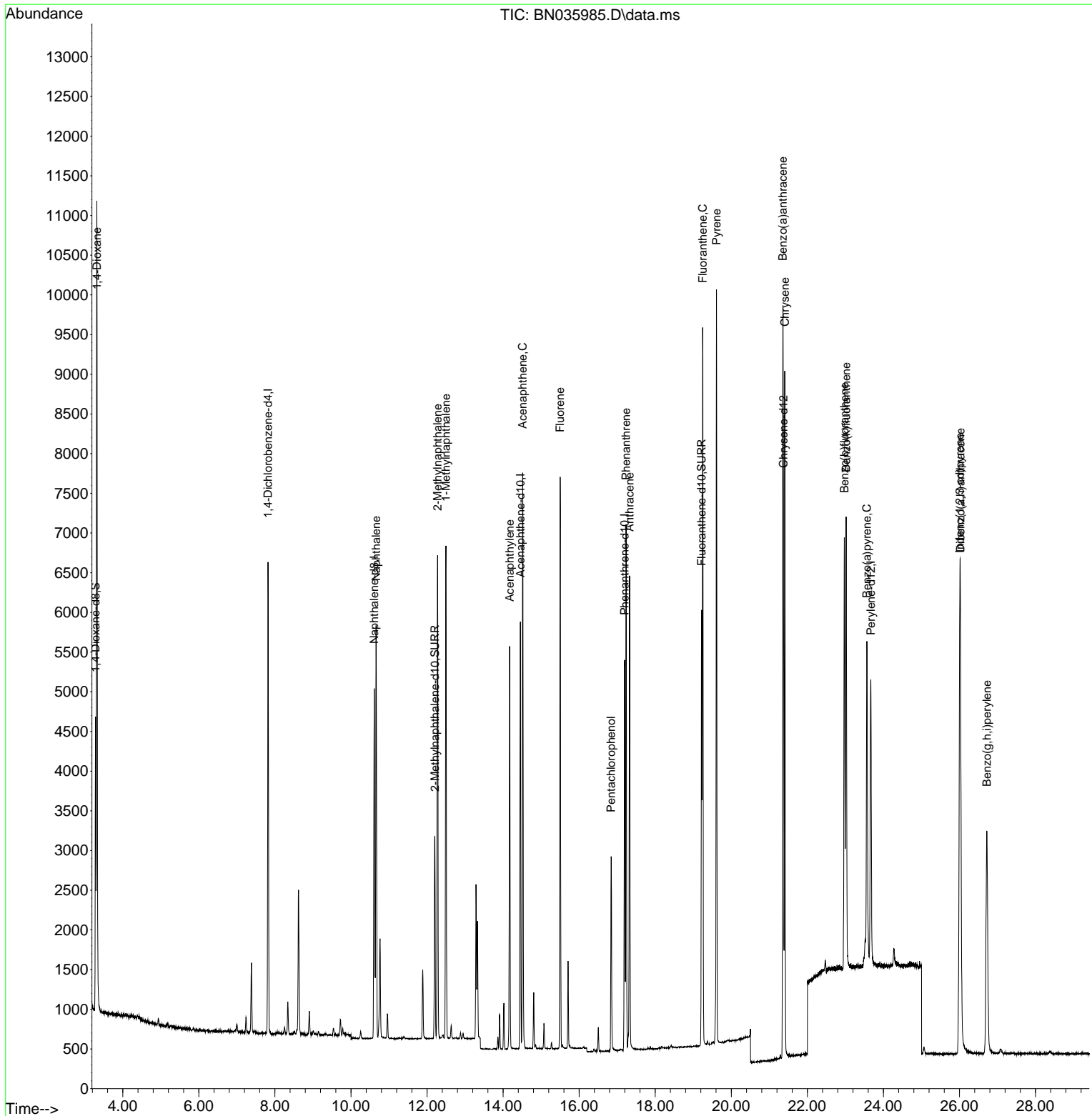
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.820 | 152 | 2820 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.611 | 136 | 5640 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.454 | 164 | 2819 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.195 | 188 | 5571 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.371 | 240 | 4807 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.669 | 264 | 4922 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.284 | 96 | 2217 | 0.780 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.205 | 152 | 3174 | 0.433 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.219 | 212 | 5849 | 0.460 | ng/ul | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.318 | 88 | 6257 | 2.021 | ng/ul# | 81 |
| 5) Naphthalene | 10.660 | 128 | 6602 | 0.440 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.277 | 142 | 3952 | 0.415 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.497 | 142 | 3978 | 0.414 | ng/ul | 100 |
| 10) Acenaphthylene | 14.172 | 152 | 5354 | 0.406 | ng/ul | 99 |
| 11) Acenaphthene | 14.515 | 153 | 4029 | 0.437 | ng/ul | 98 |
| 12) Fluorene | 15.500 | 166 | 4298 | 0.435 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.841 | 266 | 1556 | 1.165 | ng/ul | 96 |
| 15) Phenanthrene | 17.233 | 178 | 6763 | 0.441 | ng/ul | 100 |
| 16) Anthracene | 17.326 | 178 | 6233 | 0.420 | ng/ul | 99 |
| 19) Fluoranthene | 19.247 | 202 | 7562 | 0.452 | ng/ul | 99 |
| 20) Pyrene | 19.610 | 202 | 7798 | 0.447 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.357 | 228 | 6968 | 0.424 | ng/ul | 100 |
| 22) Chrysene | 21.406 | 228 | 7233 | 0.443 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.973 | 252 | 6845 | 0.462 | ng/ul | 98 |
| 25) Benzo(k)fluoranthene | 23.020 | 252 | 7340 | 0.483 | ng/ul | 99 |
| 26) Benzo(a)pyrene | 23.566 | 252 | 6217 | 0.447 | ng/ul | 97 |
| 27) Indeno(1,2,3-cd)pyrene | 26.007 | 276 | 8081 | 0.448 | ng/ul# | 89 |
| 28) Dibenzo(a,h)anthracene | 26.024 | 278 | 6270 | 0.442 | ng/ul | 99 |
| 29) Benzo(g,h,i)perylene | 26.719 | 276 | 6174 | 0.432 | ng/ul | 99 |

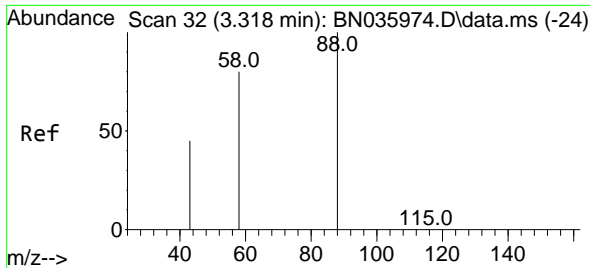
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011725\
 Data File : BN035985.D
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 Misc :
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 BNA_N
 ClientSampleId :
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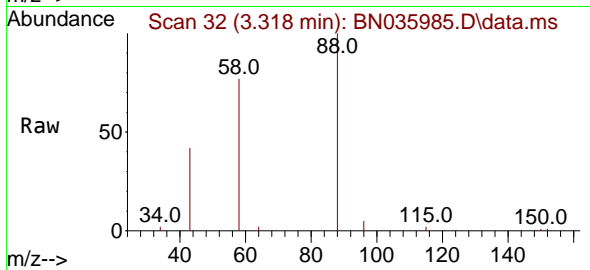
Quant Time: Jan 19 23:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN123124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 10:40:45 2025
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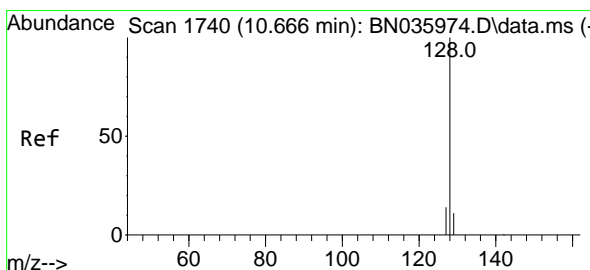
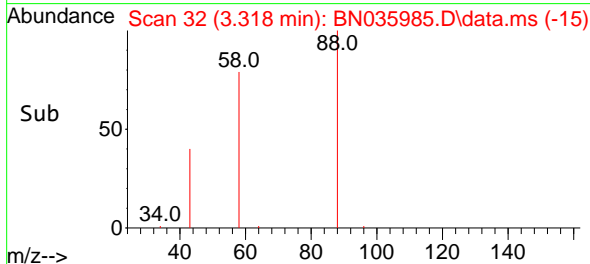
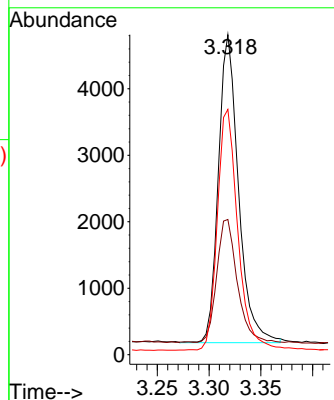
#2
 1,4-Dioxane
 Concen: 2.021 ng/ul
 RT: 3.318 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121



Tgt Ion: 88 Resp: 6257

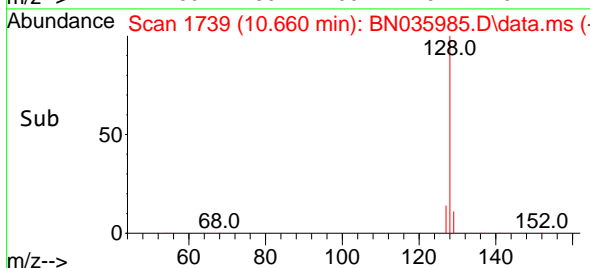
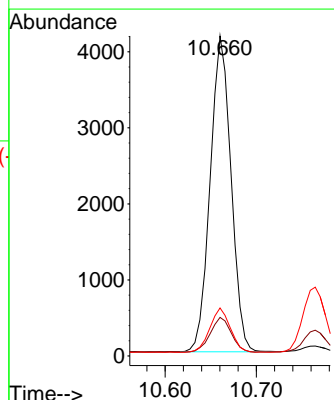
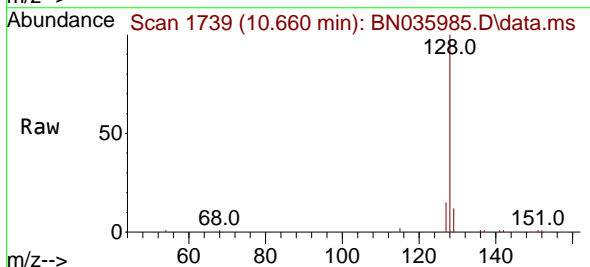
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88 | 100 | | |
| 43 | 42.3 | 57.8 | 86.8# |
| 58 | 76.6 | 60.0 | 90.0 |

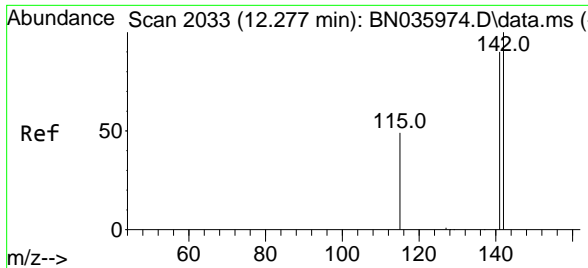


#5
 Naphthalene
 Concen: 0.440 ng/ul
 RT: 10.660 min Scan# 1739
 Delta R.T. -0.011 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Tgt Ion: 128 Resp: 6602

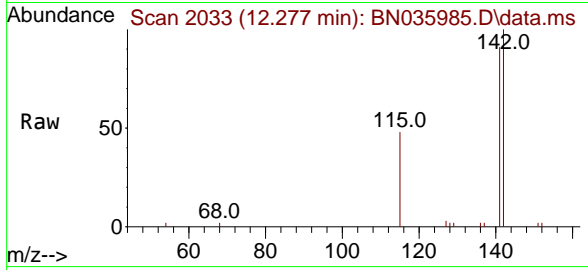
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 12.0 | 10.6 | 16.0 |
| 127 | 15.0 | 12.0 | 18.0 |



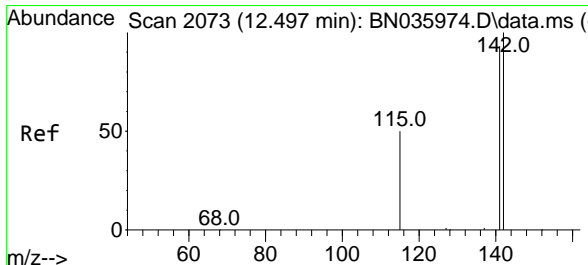
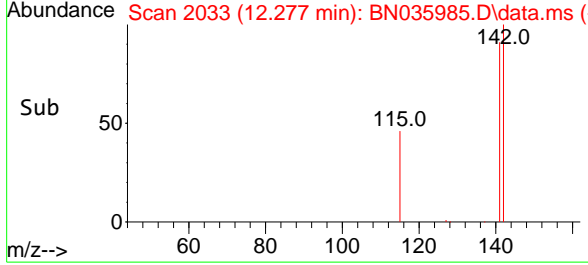
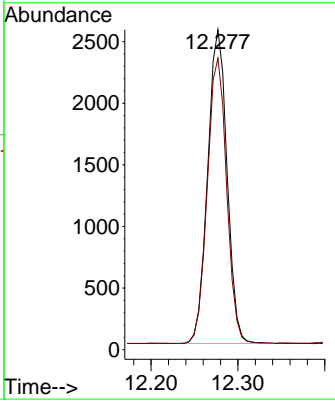


#7
 2-Methylnaphthalene
 Concen: 0.415 ng/ul
 RT: 12.277 min Scan# 2033
 Delta R.T. -0.011 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

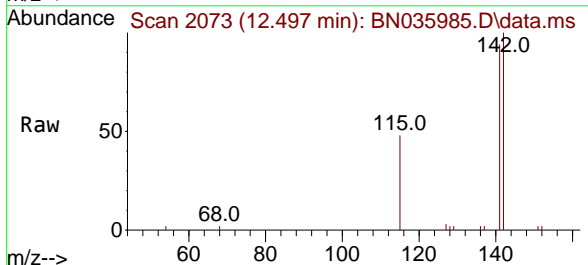
Instrument : BNA_N
 ClientSampleId : SLCS121



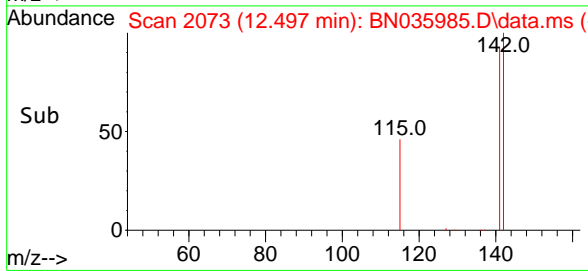
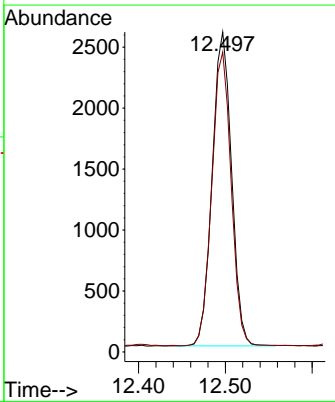
Tgt Ion:142 Resp: 3952
 Ion Ratio Lower Upper
 142 100
 141 90.7 72.6 109.0

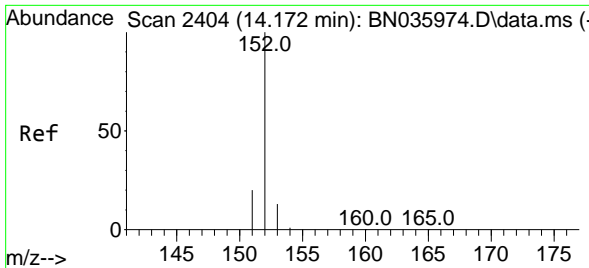


#8
 1-Methylnaphthalene
 Concen: 0.414 ng/ul
 RT: 12.497 min Scan# 2073
 Delta R.T. -0.011 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03



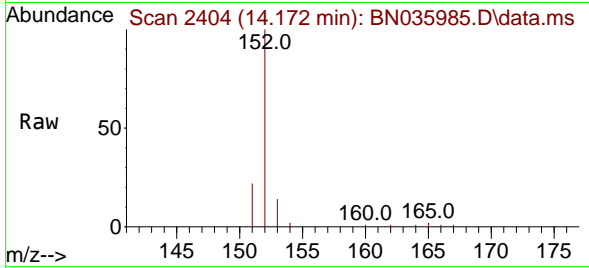
Tgt Ion:142 Resp: 3978
 Ion Ratio Lower Upper
 142 100
 141 93.7 75.1 112.7





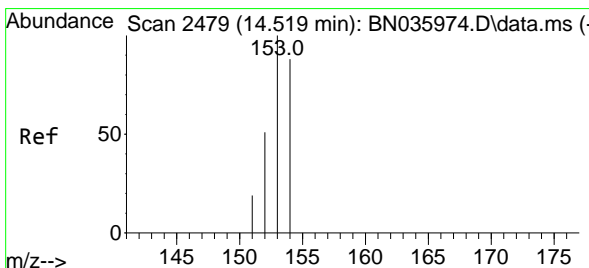
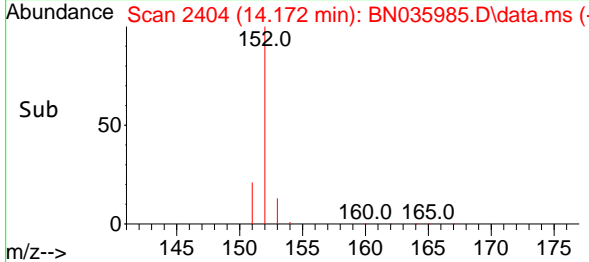
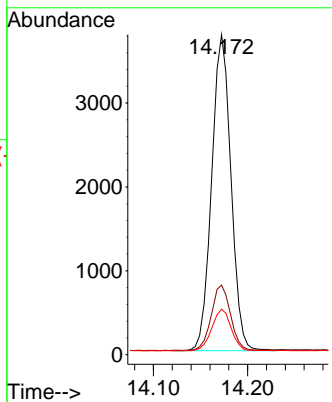
#10
 Acenaphthylene
 Concen: 0.406 ng/u1
 RT: 14.172 min Scan# 2404
 Delta R.T. -0.009 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121

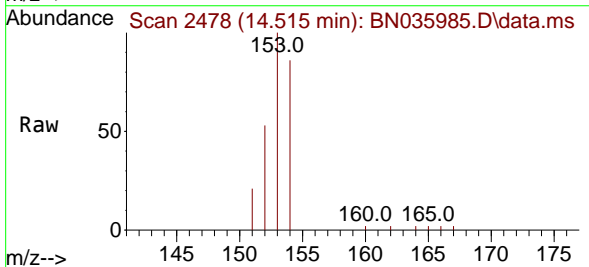


Tgt Ion:152 Resp: 5354

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100 | | |
| 151 | 21.8 | 17.8 | 26.6 |
| 153 | 14.2 | 11.9 | 17.9 |

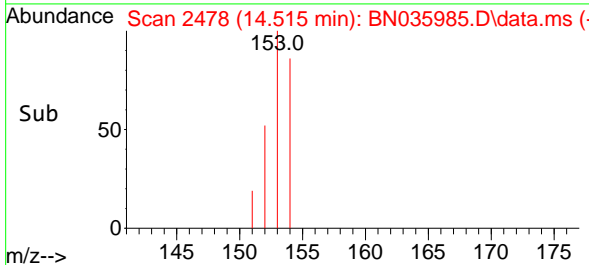
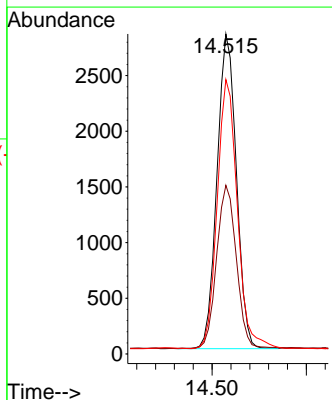


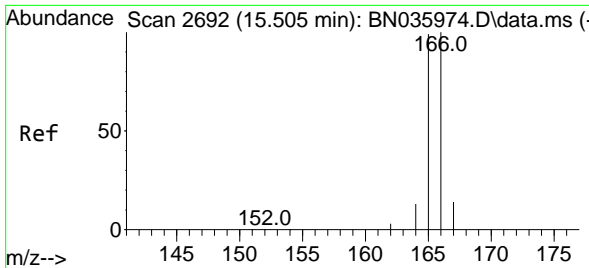
#11
 Acenaphthene
 Concen: 0.437 ng/u1
 RT: 14.515 min Scan# 2478
 Delta R.T. -0.009 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03



Tgt Ion:153 Resp: 4029

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100 | | |
| 152 | 52.7 | 40.6 | 60.8 |
| 154 | 85.7 | 69.4 | 104.0 |

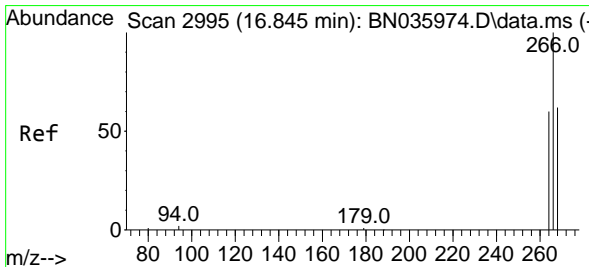
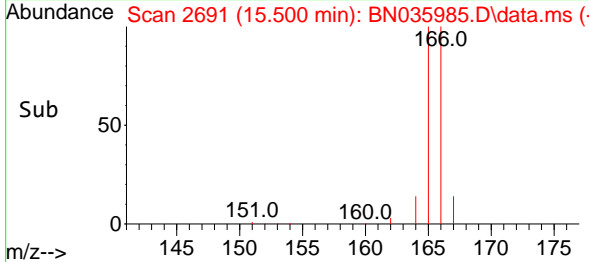
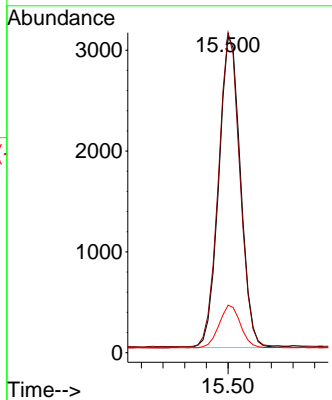
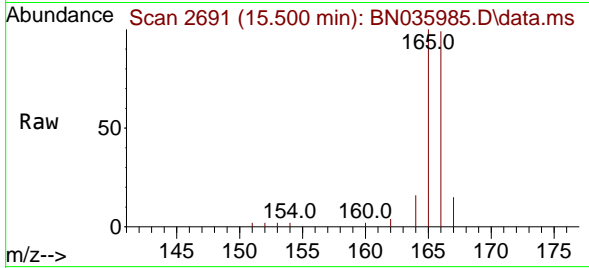




#12
 Fluorene
 Concen: 0.435 ng/u1
 RT: 15.500 min Scan# 2691
 Delta R.T. -0.009 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

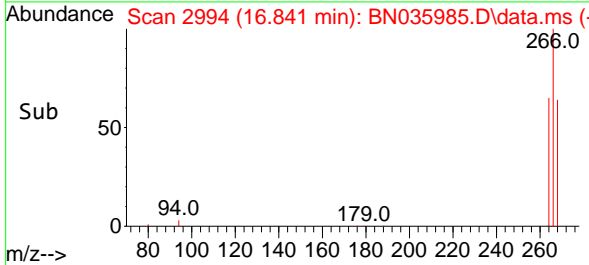
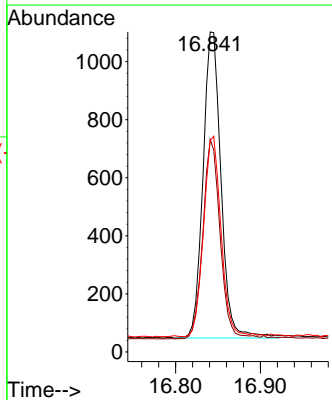
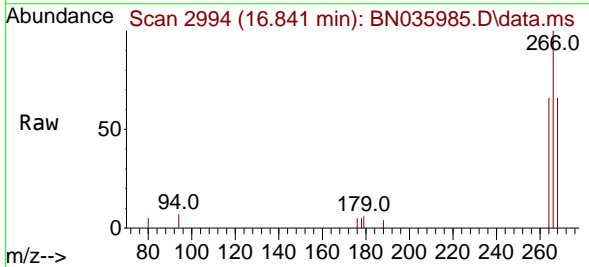
Instrument : BNA_N
 ClientSampleId : SLCS121

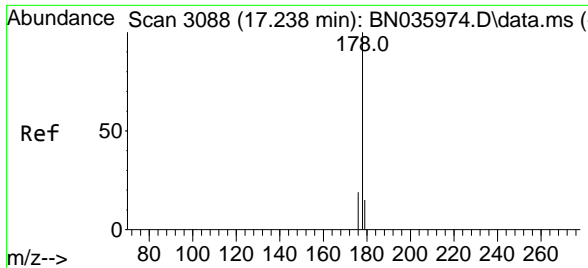
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 165 | 100.7 | 79.0 | 118.6 |
| 167 | 14.9 | 12.2 | 18.4 |



#14
 Pentachlorophenol
 Concen: 1.165 ng/u1
 RT: 16.841 min Scan# 2994
 Delta R.T. -0.008 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

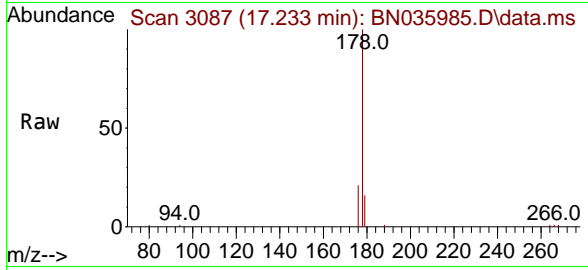
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 266 | 100 | | |
| 264 | 63.0 | 50.1 | 75.1 |
| 268 | 63.6 | 55.5 | 83.3 |





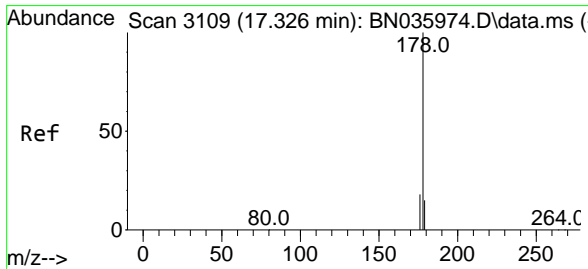
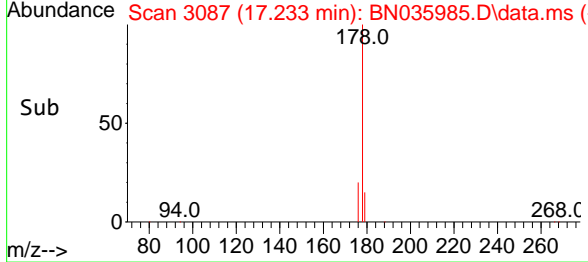
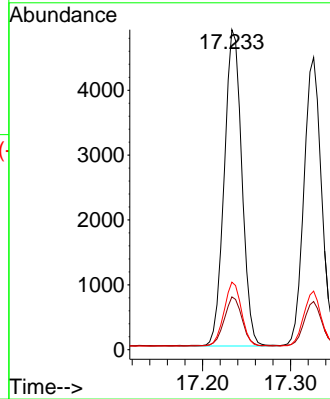
#15
 Phenanthrene
 Concen: 0.441 ng/u1
 RT: 17.233 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121



Tgt Ion:178 Resp: 6763

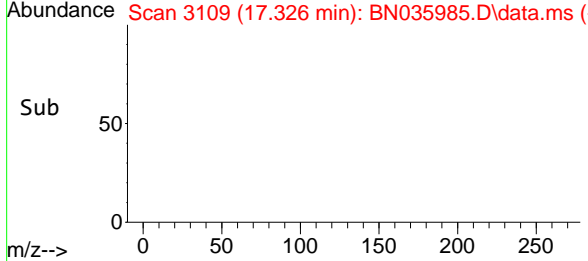
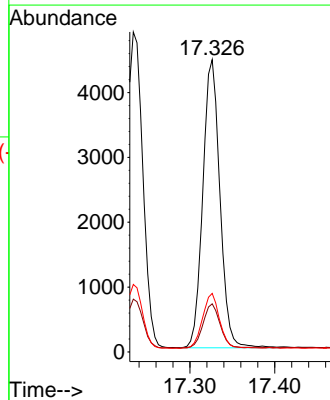
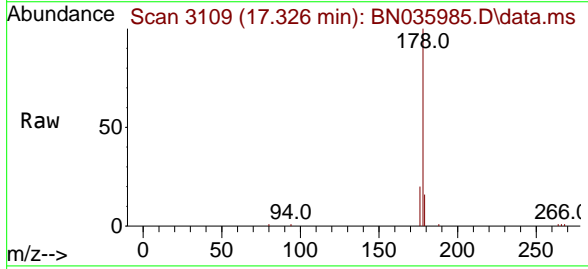
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 16.5 | 13.4 | 20.0 |
| 176 | 21.1 | 16.8 | 25.2 |

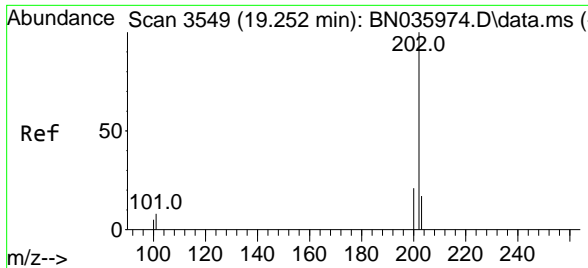


#16
 Anthracene
 Concen: 0.420 ng/u1
 RT: 17.326 min Scan# 3109
 Delta R.T. -0.008 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Tgt Ion:178 Resp: 6233

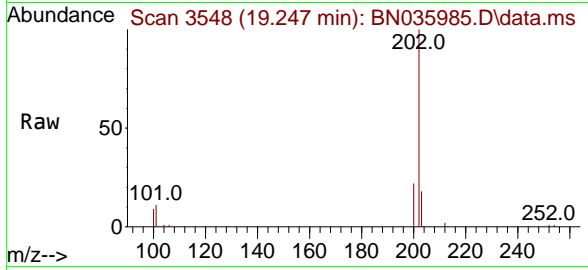
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 16.5 | 13.8 | 20.8 |
| 176 | 20.0 | 16.3 | 24.5 |





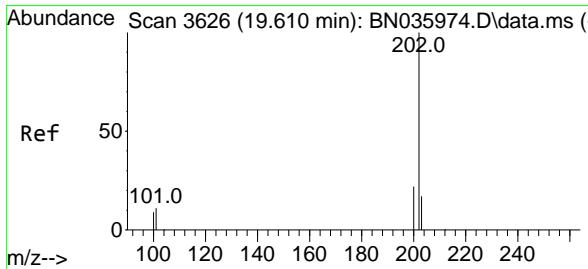
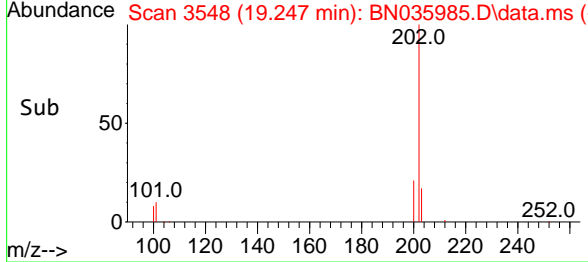
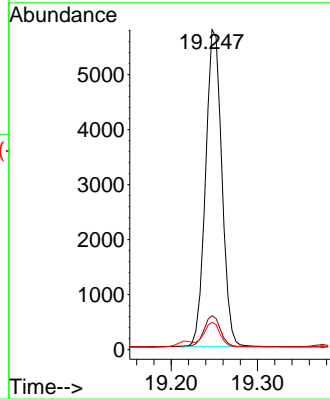
#19
 Fluoranthene
 Concen: 0.452 ng/u1
 RT: 19.247 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121



Tgt Ion:202 Resp: 7562

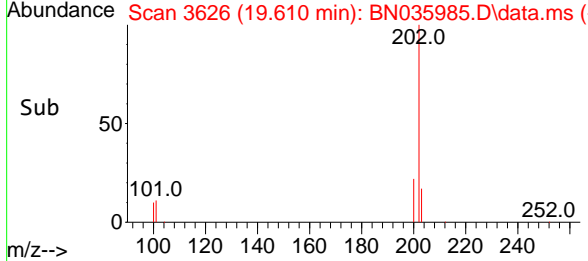
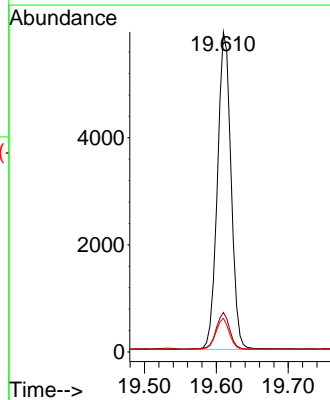
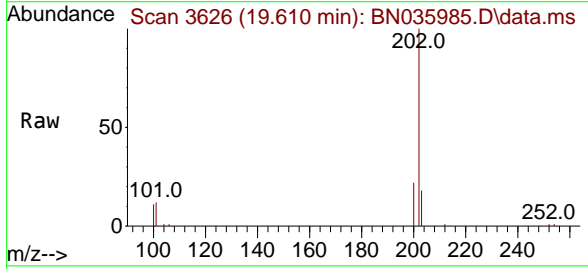
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100 | | |
| 101 | 10.6 | 8.7 | 13.1 |
| 100 | 8.5 | 7.1 | 10.7 |

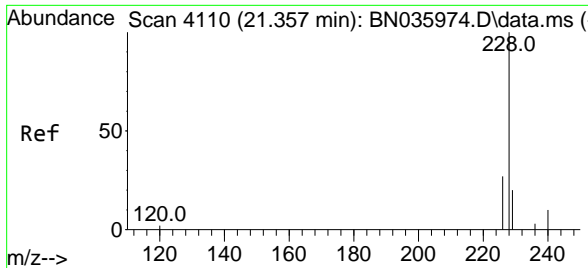


#20
 Pyrene
 Concen: 0.447 ng/u1
 RT: 19.610 min Scan# 3626
 Delta R.T. -0.009 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Tgt Ion:202 Resp: 7798

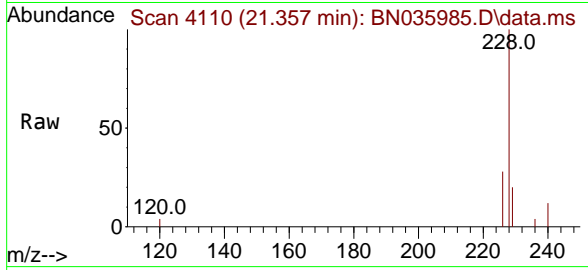
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100 | | |
| 101 | 12.4 | 9.8 | 14.6 |
| 100 | 10.5 | 8.2 | 12.2 |





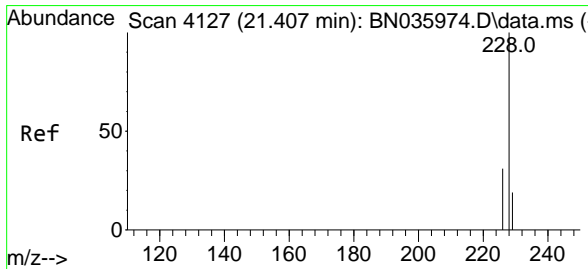
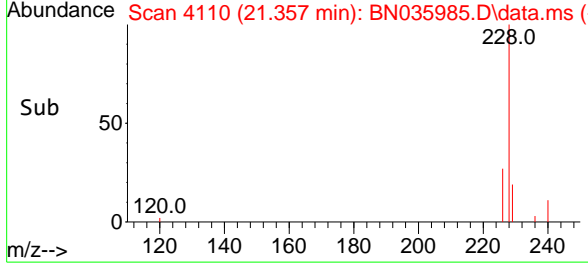
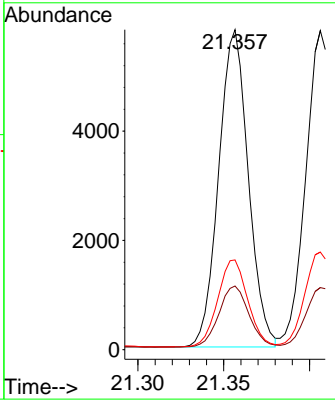
#21
 Benzo(a)anthracene
 Concen: 0.424 ng/u1
 RT: 21.357 min Scan# 4110
 Delta R.T. -0.006 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument : BNA_N
 ClientSampleId : SLCS121



Tgt Ion:228 Resp: 6968

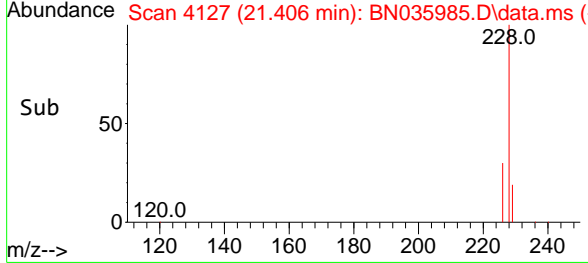
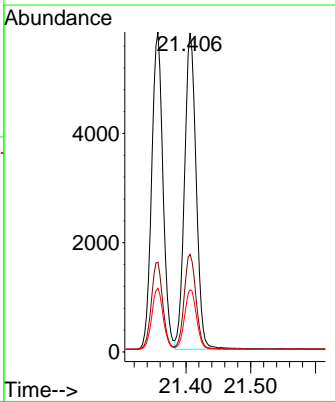
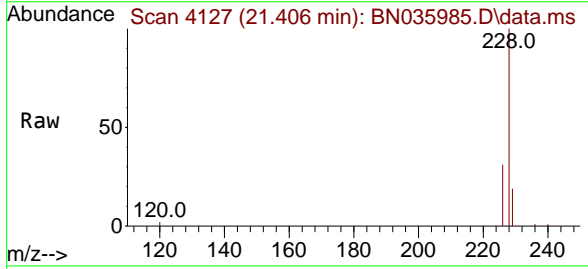
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 229 | 19.9 | 15.8 | 23.8 |
| 226 | 28.0 | 22.4 | 33.6 |

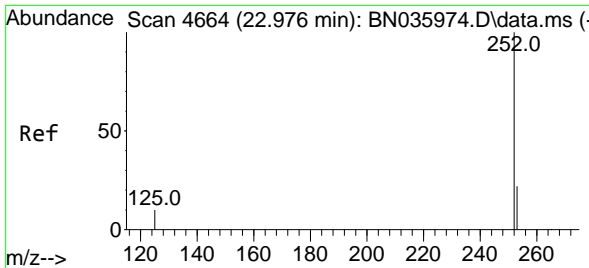


#22
 Chrysene
 Concen: 0.443 ng/u1
 RT: 21.406 min Scan# 4127
 Delta R.T. -0.009 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Tgt Ion:228 Resp: 7233

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 226 | 30.6 | 25.3 | 37.9 |
| 229 | 19.4 | 15.9 | 23.9 |

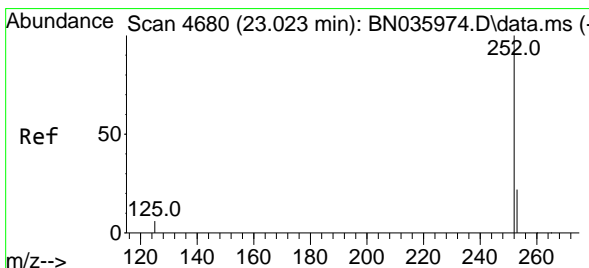
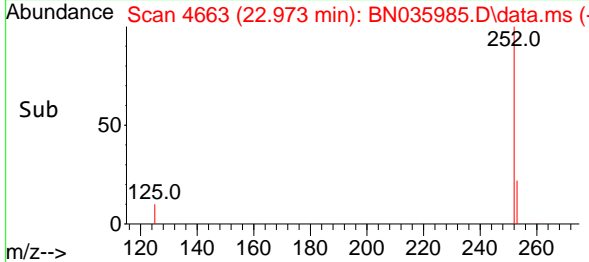
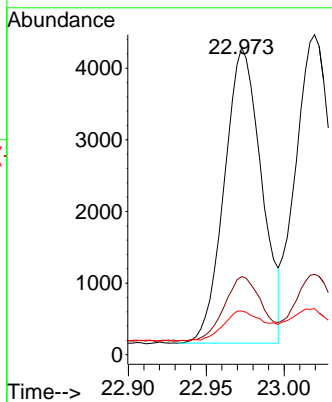
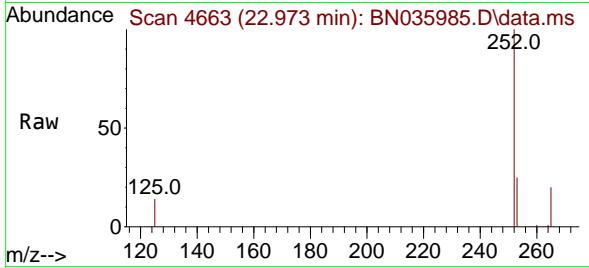




#24
 Benzo(b)fluoranthene
 Concen: 0.462 ng/u1
 RT: 22.973 min Scan# 4663
 Delta R.T. -0.015 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

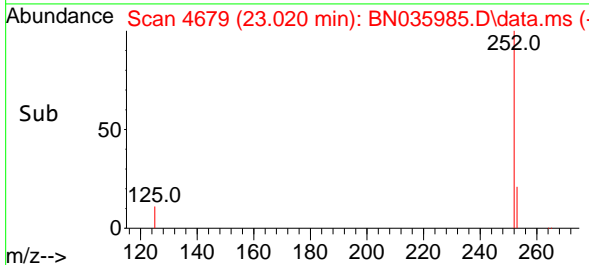
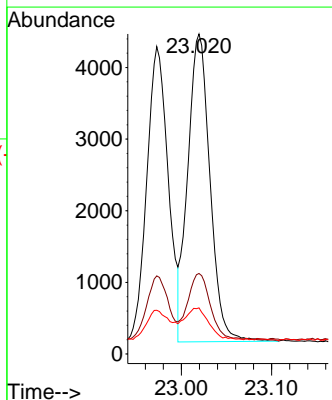
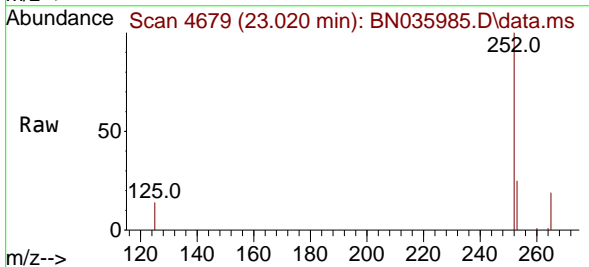
Instrument : BNA_N
 ClientSampleId : SLCS121

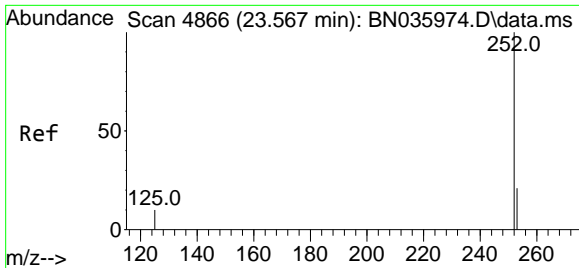
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 252 | 100 | | |
| 253 | 25.4 | 0.0 | 49.4 |
| 125 | 14.2 | 0.0 | 26.4 |



#25
 Benzo(k)fluoranthene
 Concen: 0.483 ng/u1
 RT: 23.020 min Scan# 4679
 Delta R.T. -0.012 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

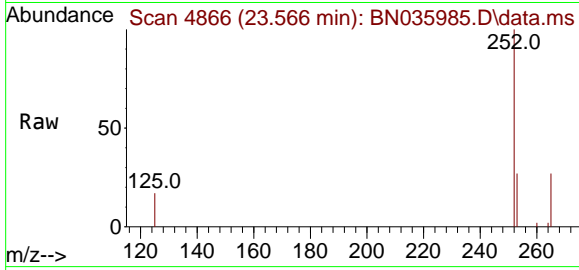
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 252 | 100 | | |
| 253 | 25.1 | 19.8 | 29.8 |
| 125 | 14.4 | 11.4 | 17.0 |





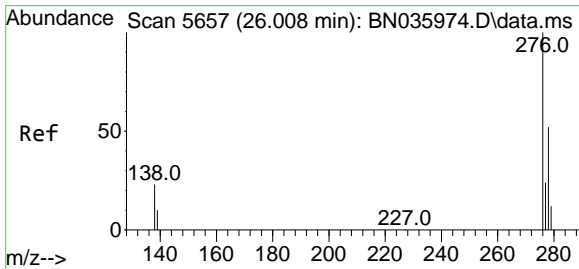
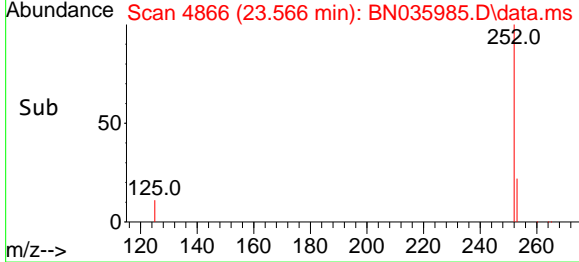
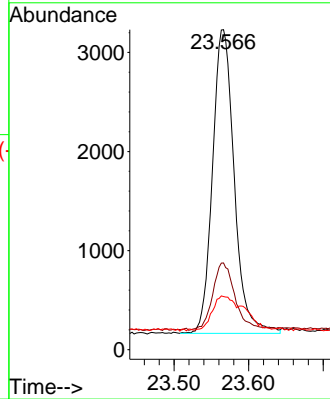
#26
 Benzo(a)pyrene
 Concen: 0.447 ng/u1
 RT: 23.566 min Scan# 4866
 Delta R.T. -0.012 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121



Tgt Ion:252 Resp: 6217

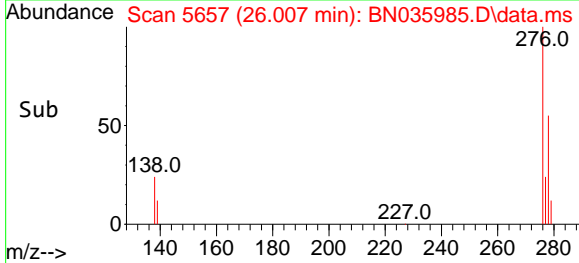
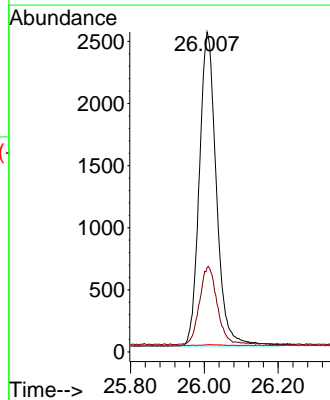
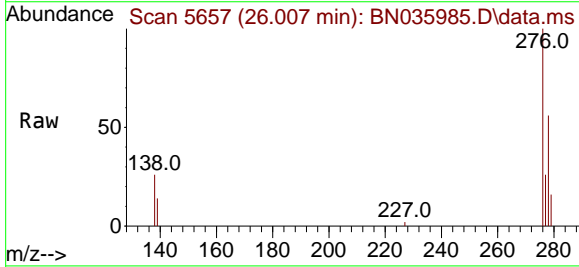
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 27.1 | 20.2 | 30.4 |
| 125 | 16.6 | 12.2 | 18.4 |

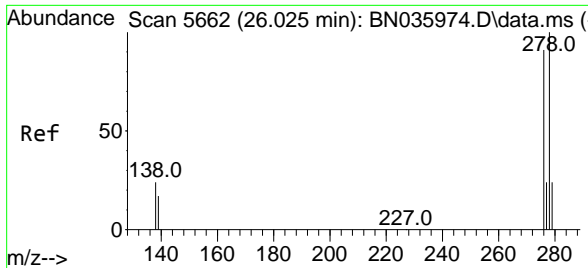


#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.448 ng/u1
 RT: 26.007 min Scan# 5657
 Delta R.T. -0.020 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Tgt Ion:276 Resp: 8081

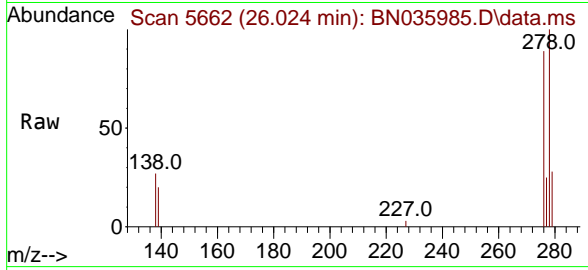
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 26.1 | 0.1 | 0.1# |
| 227 | 0.2 | 0.0 | 0.0# |





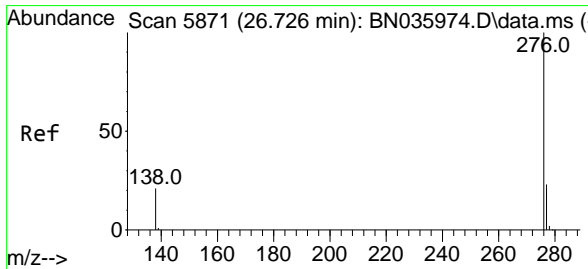
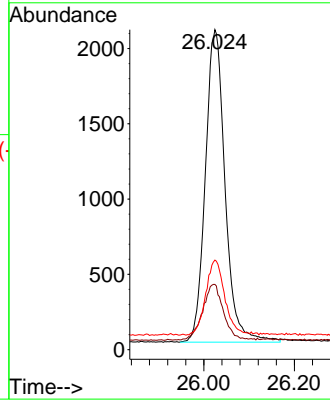
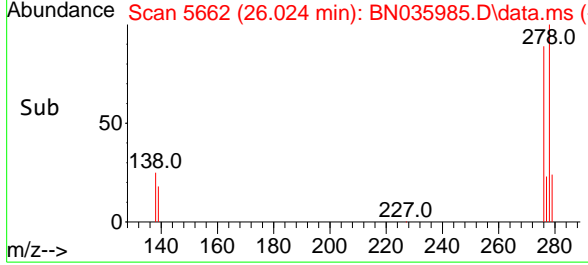
#28
 Dibenzo(a,h)anthracene
 Concen: 0.442 ng/ul
 RT: 26.024 min Scan# 50
 Delta R.T. -0.024 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 SLCS121

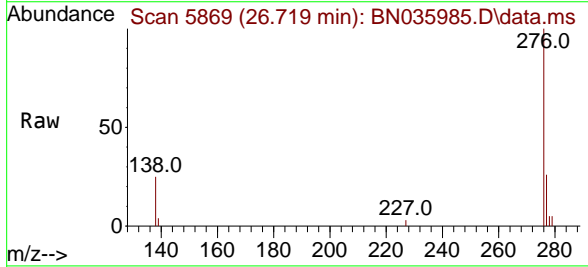


Tgt Ion: 278 Resp: 6270

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100 | | |
| 139 | 20.4 | 15.5 | 23.3 |
| 279 | 28.0 | 22.8 | 34.2 |



#29
 Benzo(g,h,i)perylene
 Concen: 0.432 ng/ul
 RT: 26.719 min Scan# 5869
 Delta R.T. -0.020 min
 Lab File: BN035985.D
 Acq: 18 Jan 2025 12:03



Tgt Ion: 276 Resp: 6174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 25.1 | 19.9 | 29.9 |
| 277 | 25.6 | 21.0 | 31.6 |

