

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110924\  
 Data File : BN034974.D  
 Acq On : 10 Nov 2024 11:33  
 Operator : RC/JU  
 Sample : PB164816BS  
 Misc :  
 ALS Vial : 67 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS816

Quant Time: Nov 10 21:51:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 09 00:09:12 2024  
 Response via : Initial Calibration

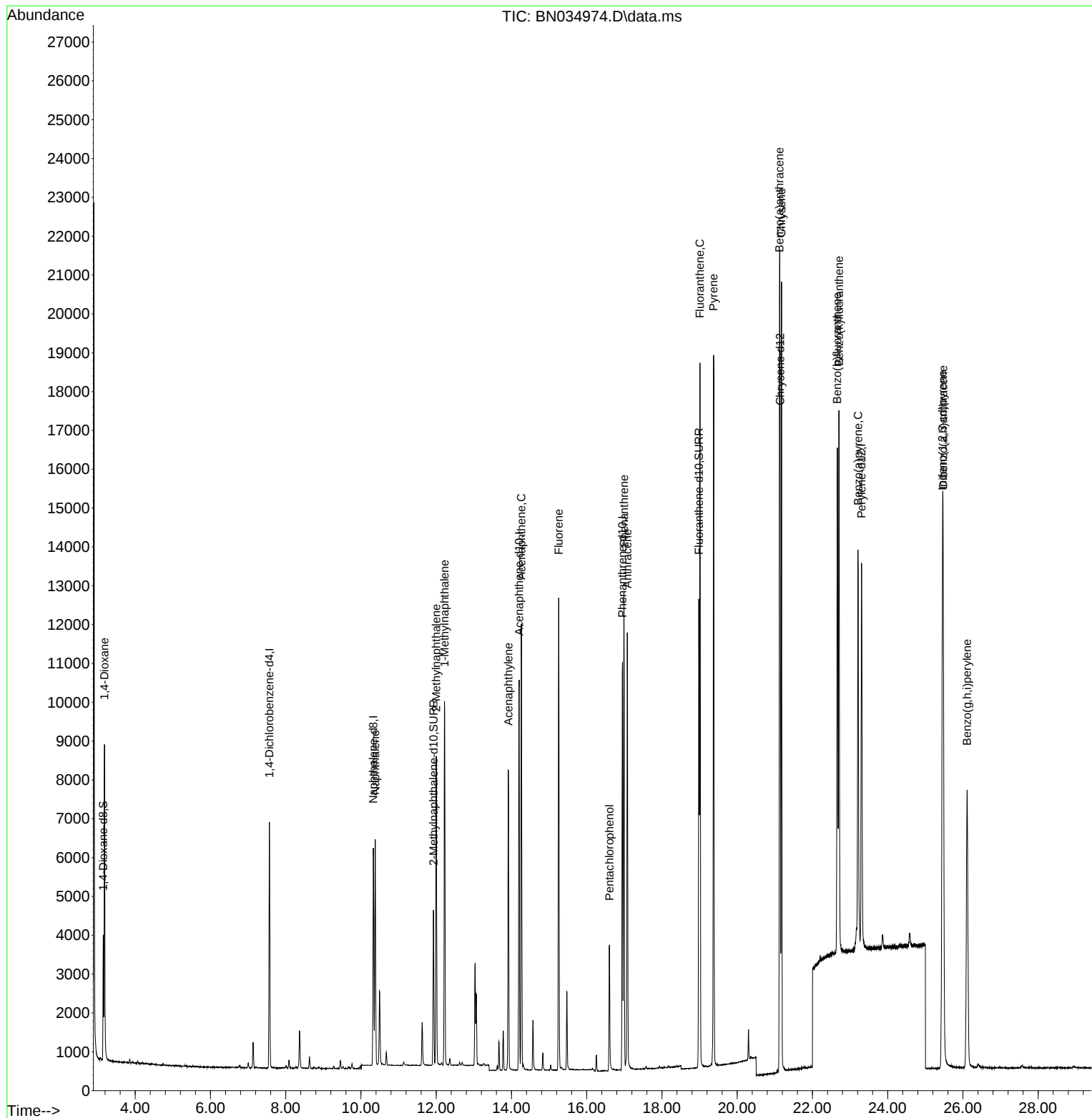
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.566  | 152  | 3158     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.328 | 136  | 7625     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.203 | 164  | 5514     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.949 | 188  | 12666    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.142 | 240  | 11677    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.305 | 264  | 12225    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.149  | 96   | 2177     | 0.724 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.928 | 152  | 5103     | 0.437 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.981 | 212  | 13739    | 0.458 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.182  | 88   | 5866     | 1.781 | ng/ul# | 91       |
| 5) Naphthalene              | 10.377 | 128  | 7489     | 0.392 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.000 | 142  | 5398     | 0.379 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.225 | 142  | 6257     | 0.438 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.916 | 152  | 8421     | 0.374 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.263 | 153  | 6403     | 0.375 | ng/ul  | 99       |
| 12) Fluorene                | 15.258 | 166  | 7694     | 0.354 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.603 | 266  | 2194     | 0.749 | ng/ul  | 97       |
| 15) Phenanthrene            | 16.992 | 178  | 12979    | 0.383 | ng/ul  | 99       |
| 16) Anthracene              | 17.080 | 178  | 11882    | 0.374 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.009 | 202  | 15781    | 0.404 | ng/ul# | 96       |
| 20) Pyrene                  | 19.372 | 202  | 16218    | 0.401 | ng/ul# | 96       |
| 21) Benzo(a)anthracene      | 21.125 | 228  | 16005    | 0.378 | ng/ul  | 99       |
| 22) Chrysene                | 21.177 | 228  | 16378    | 0.380 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.659 | 252  | 16054    | 0.373 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 22.706 | 252  | 17218    | 0.383 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.211 | 252  | 14708    | 0.383 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.456 | 276  | 19411    | 0.413 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.473 | 278  | 15364    | 0.420 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.110 | 276  | 14995    | 0.418 | ng/ul  | 98       |

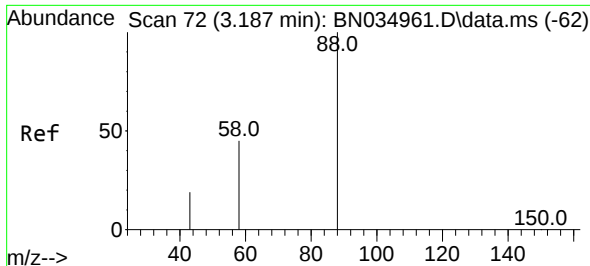
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110924\  
Data File : BN034974.D  
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Sample : PB164816BS  
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Quant Time: Nov 10 21:51:48 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Nov 09 00:09:12 2024  
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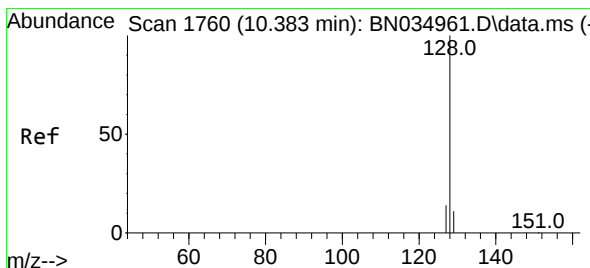
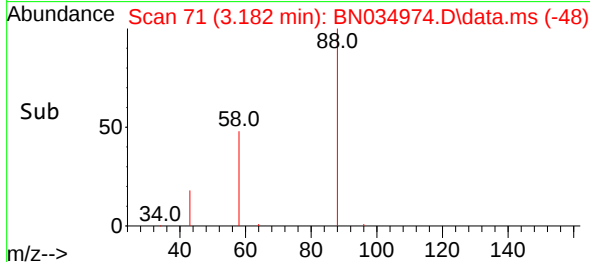
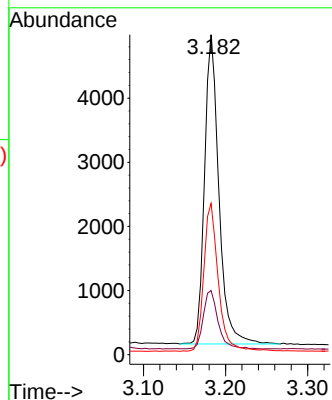
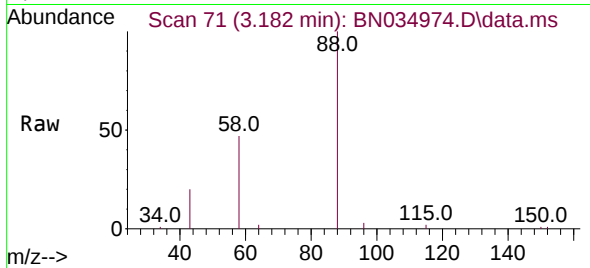




#2  
1,4-Dioxane  
Concen: 1.781 ng/ul  
RT: 3.182 min Scan# 71  
Delta R.T. -0.004 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

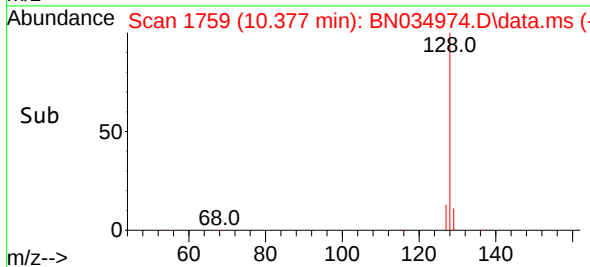
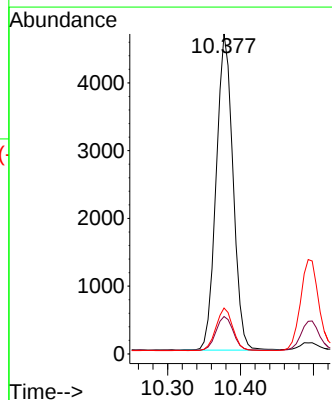
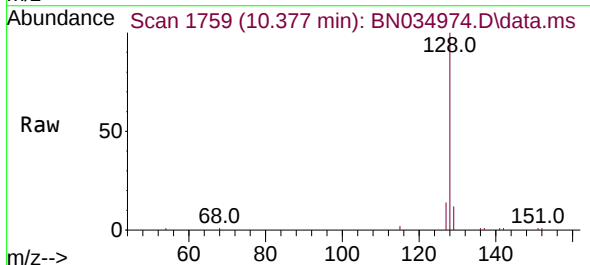
Instrument :  
BNA\_N  
ClientSampleId :  
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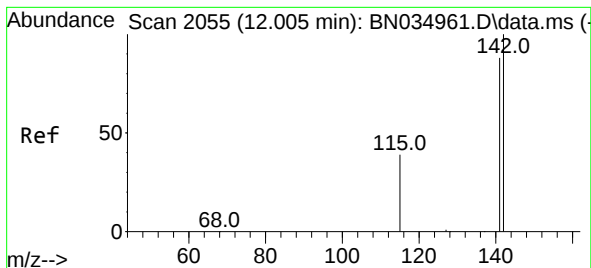
Tgt Ion: 88 Resp: 5866  
Ion Ratio Lower Upper  
88 100  
43 20.1 23.3 34.9#  
58 47.2 35.4 53.2



#5  
Naphthalene  
Concen: 0.392 ng/ul  
RT: 10.377 min Scan# 1759  
Delta R.T. -0.011 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:128 Resp: 7489  
Ion Ratio Lower Upper  
128 100  
129 11.7 10.1 15.1  
127 14.3 12.1 18.1

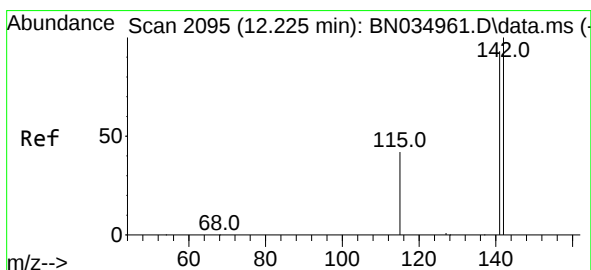
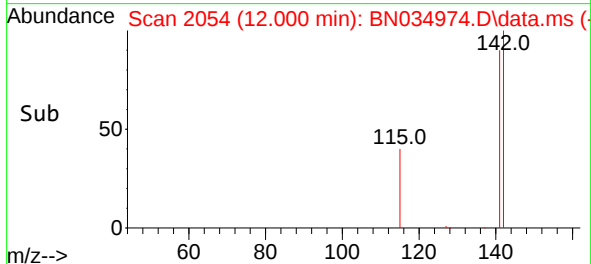
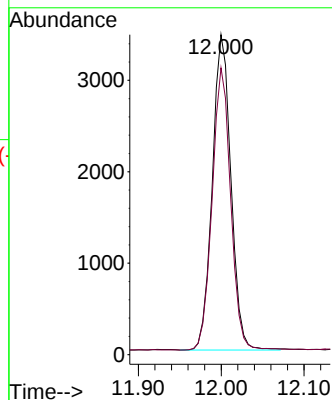
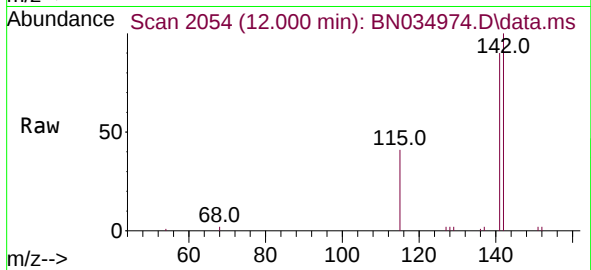




#7  
2-Methylnaphthalene  
Concen: 0.379 ng/ul  
RT: 12.000 min Scan# 2054  
Delta R.T. -0.011 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

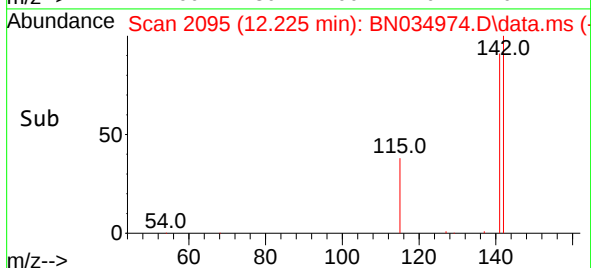
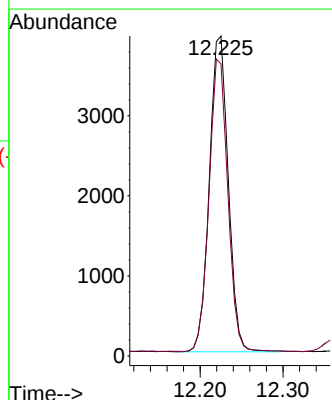
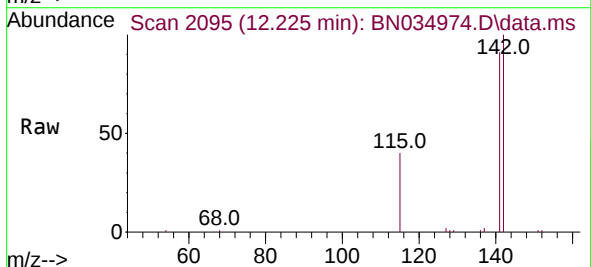
Instrument :  
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ClientSampleId :  
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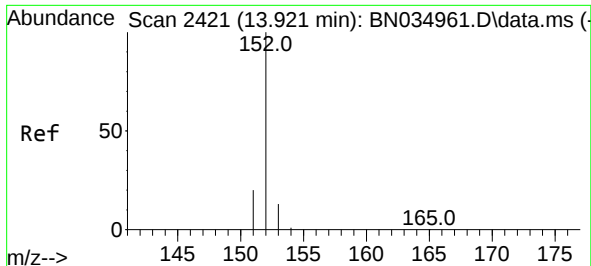
Tgt Ion:142 Resp: 5398  
Ion Ratio Lower Upper  
142 100  
141 88.9 70.8 106.2



#8  
1-Methylnaphthalene  
Concen: 0.438 ng/ul  
RT: 12.225 min Scan# 2095  
Delta R.T. -0.005 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:142 Resp: 6257  
Ion Ratio Lower Upper  
142 100  
141 91.8 74.6 111.8

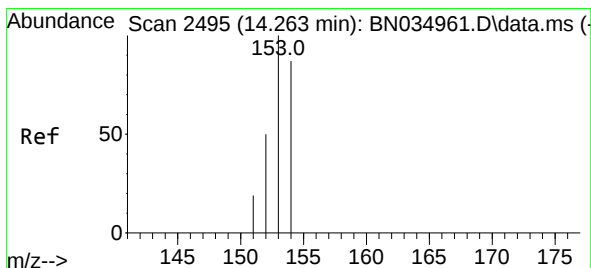
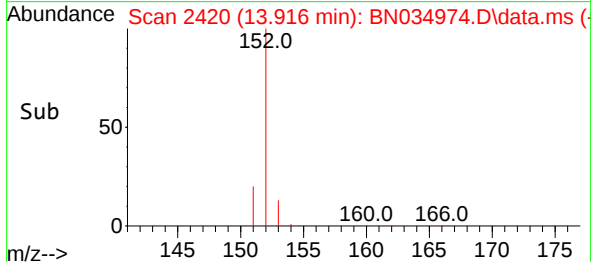
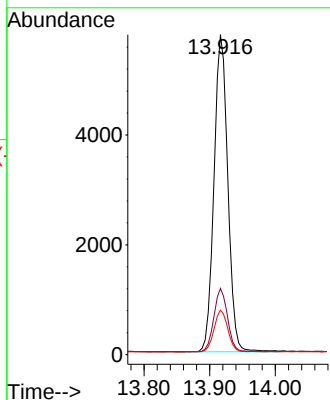
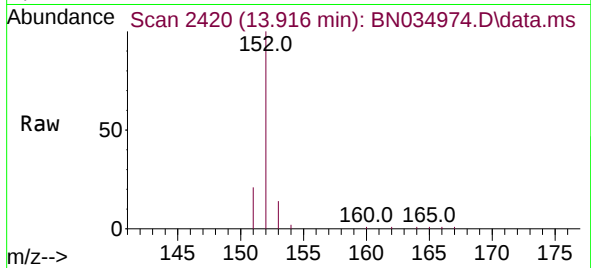




#10  
Acenaphthylene  
Concen: 0.374 ng/ul  
RT: 13.916 min Scan# 2421  
Delta R.T. -0.009 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

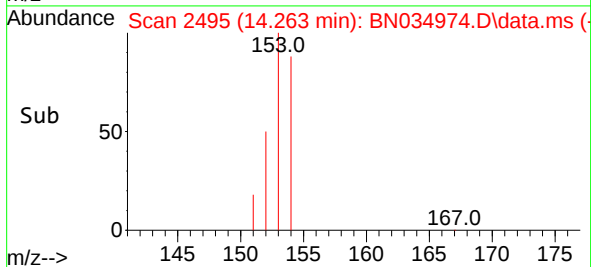
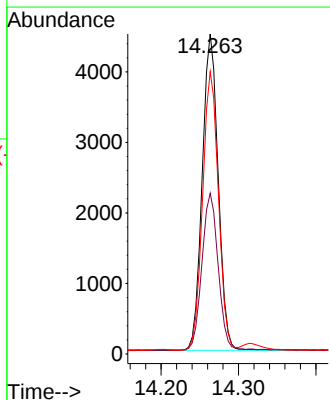
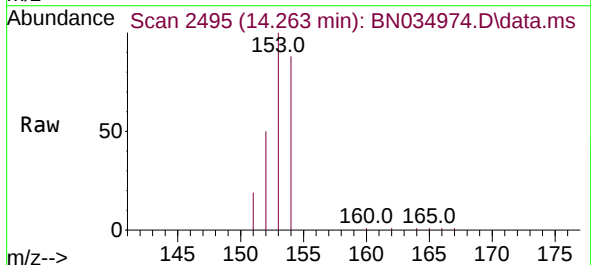
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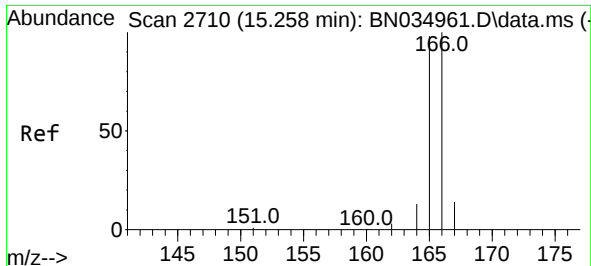
Tgt Ion:152 Resp: 8421  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.6 24.8  
153 13.9 11.0 16.6



#11  
Acenaphthene  
Concen: 0.375 ng/ul  
RT: 14.263 min Scan# 2495  
Delta R.T. -0.009 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:153 Resp: 6403  
Ion Ratio Lower Upper  
153 100  
152 50.2 41.5 62.3  
154 88.3 70.9 106.3

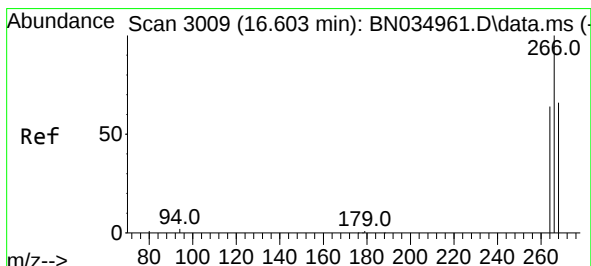
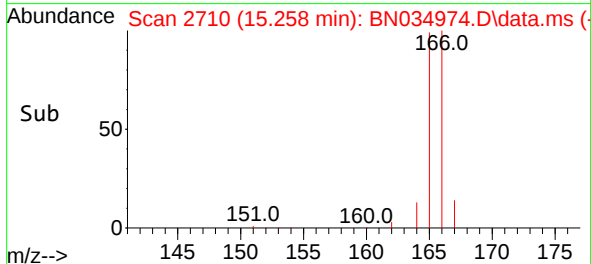
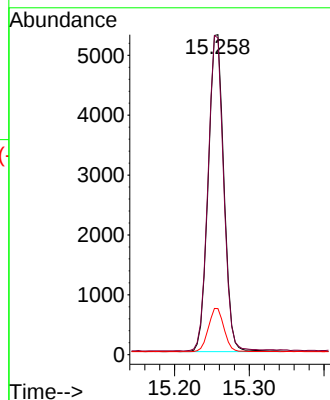
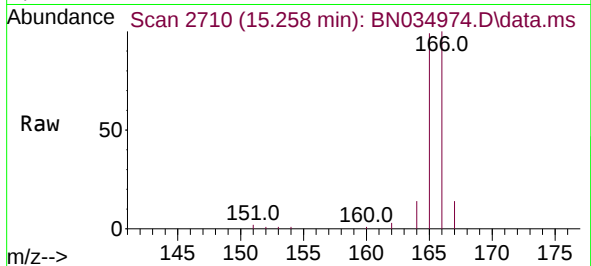




#12  
Fluorene  
Concen: 0.354 ng/ul  
RT: 15.258 min Scan# 2710  
Delta R.T. -0.005 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

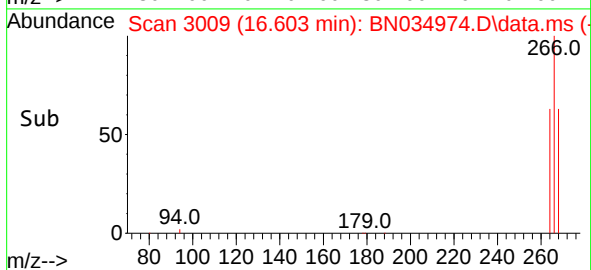
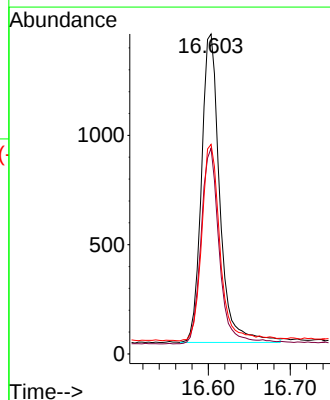
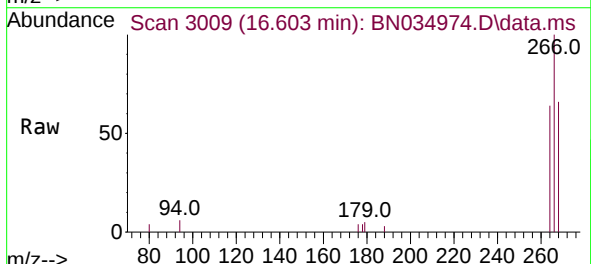
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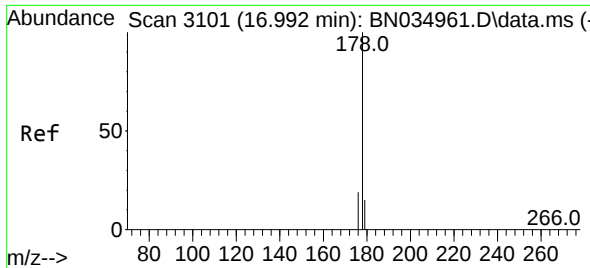
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 7694       |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 99.0  | 79.0 118.4 |
| 167         | 14.4  | 11.8 17.6  |



#14  
Pentachlorophenol  
Concen: 0.749 ng/ul  
RT: 16.603 min Scan# 3009  
Delta R.T. -0.004 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:266 | Resp: | 2194      |
| Ion Ratio   | Lower | Upper     |
| 266         | 100   |           |
| 264         | 63.4  | 50.2 75.2 |
| 268         | 64.1  | 48.4 72.6 |

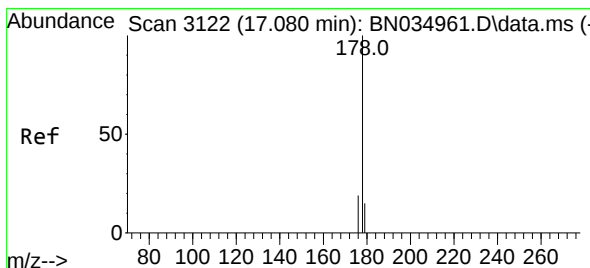
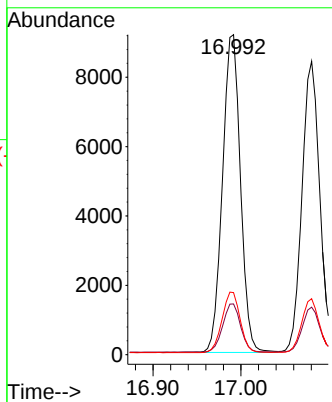
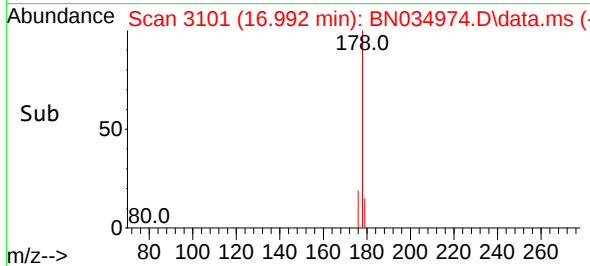
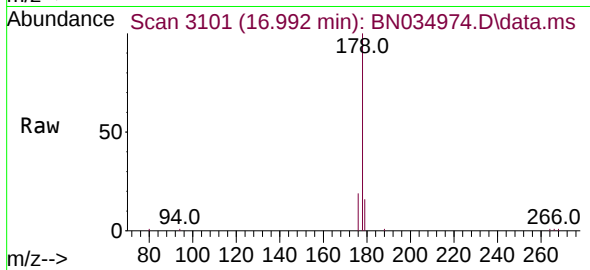




#15  
Phenanthrene  
Concen: 0.383 ng/u1  
RT: 16.992 min Scan# 3101  
Delta R.T. -0.004 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

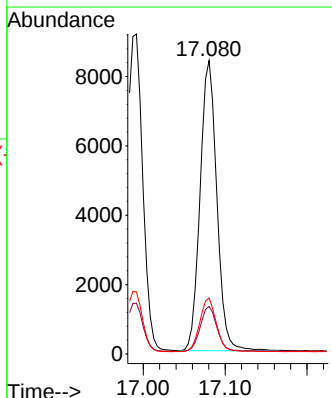
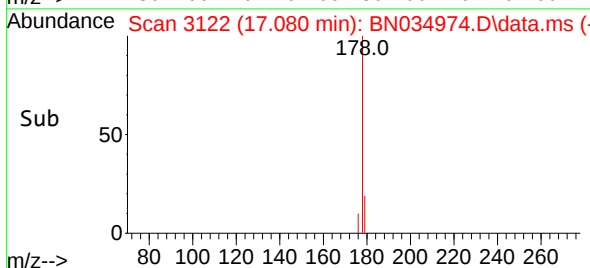
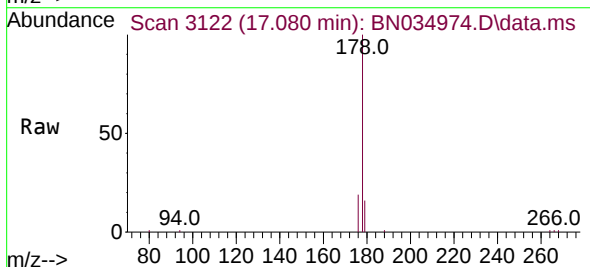
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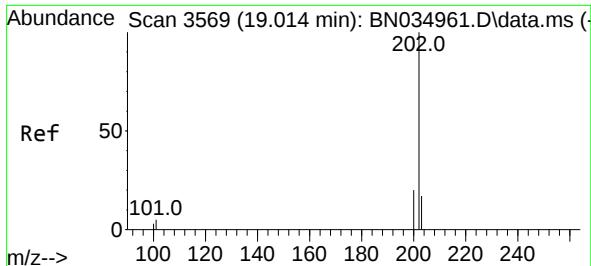
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|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 12979 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.9  | 13.4  | 20.2  |
| 176      | 19.4  | 15.8  | 23.6  |



#16  
Anthracene  
Concen: 0.374 ng/u1  
RT: 17.080 min Scan# 3122  
Delta R.T. -0.004 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 11882 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.2  | 13.3  | 19.9  |
| 176      | 19.1  | 15.8  | 23.8  |

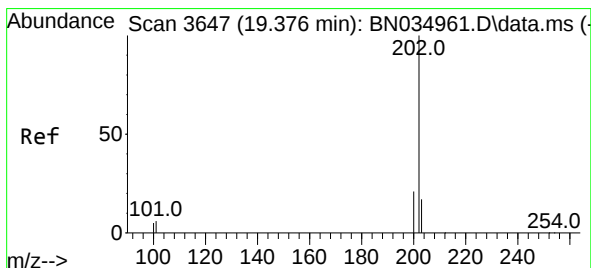
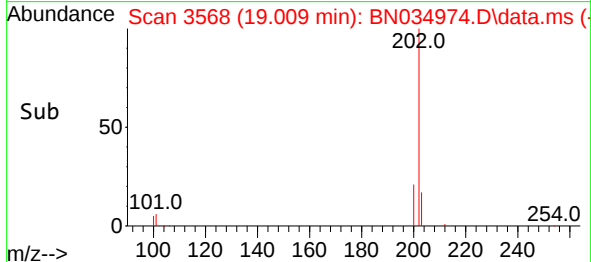
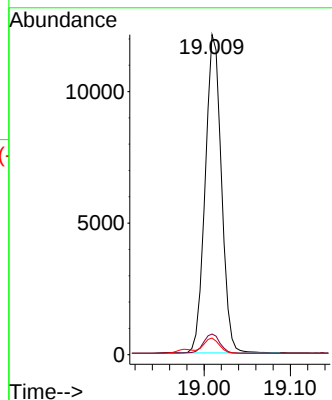
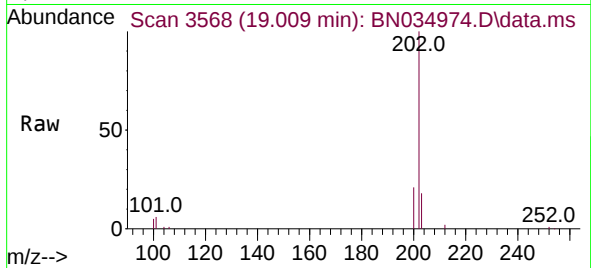




#19  
Fluoranthene  
Concen: 0.404 ng/ul  
RT: 19.009 min Scan# 3568  
Delta R.T. -0.009 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

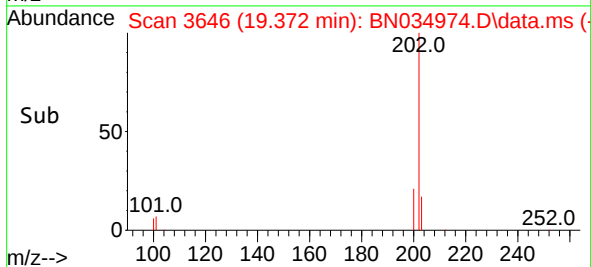
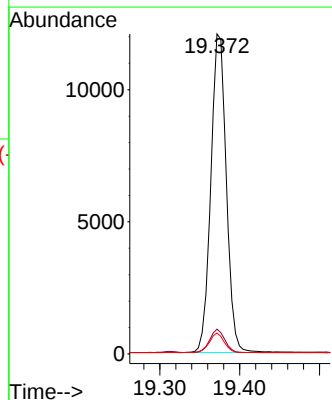
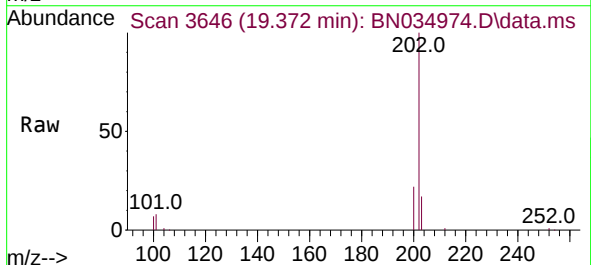
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS816

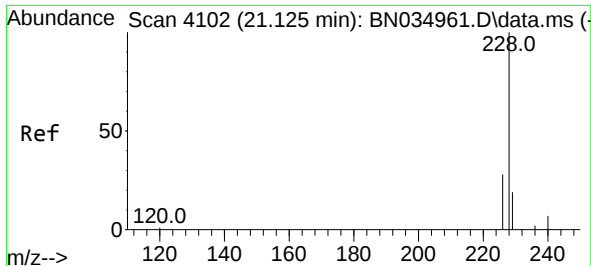
Tgt Ion:202 Resp: 15781  
Ion Ratio Lower Upper  
202 100  
101 6.5 4.2 6.2#  
100 5.2 3.2 4.8#



#20  
Pyrene  
Concen: 0.401 ng/ul  
RT: 19.372 min Scan# 3646  
Delta R.T. -0.009 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:202 Resp: 16218  
Ion Ratio Lower Upper  
202 100  
101 7.7 5.0 7.4#  
100 6.5 4.1 6.1#

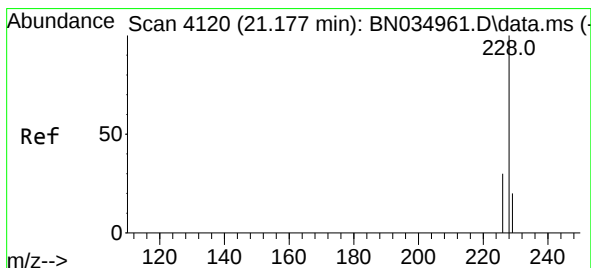
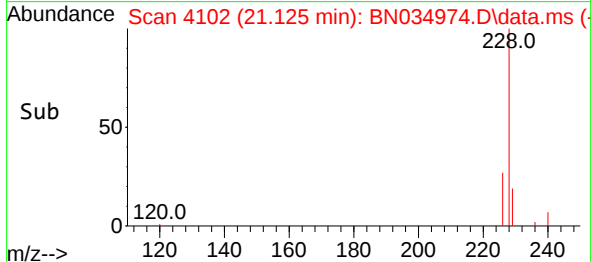
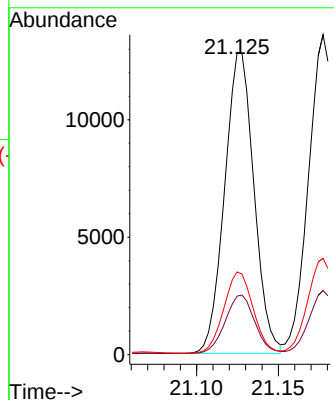
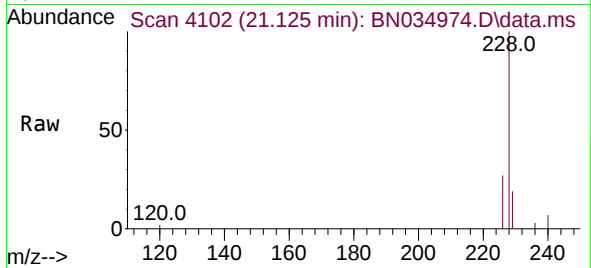




#21  
Benzo(a)anthracene  
Concen: 0.378 ng/ul  
RT: 21.125 min Scan# 4102  
Delta R.T. -0.006 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

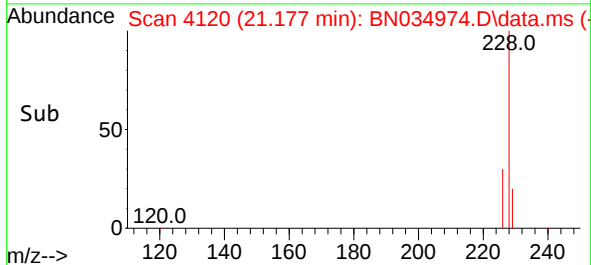
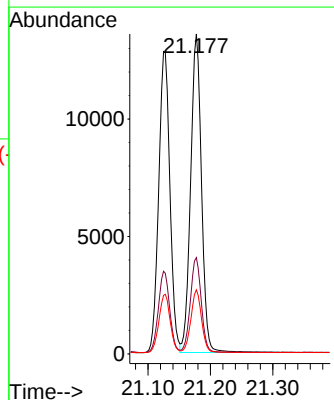
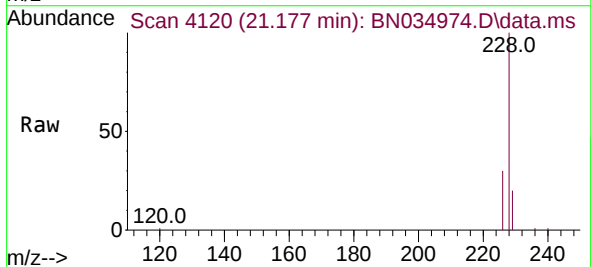
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS816

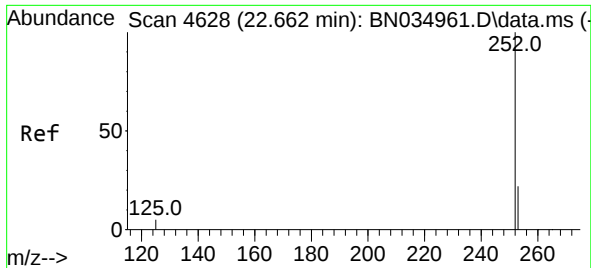
Tgt Ion:228 Resp: 16005  
Ion Ratio Lower Upper  
228 100  
229 19.3 15.8 23.8  
226 27.4 22.2 33.2



#22  
Chrysene  
Concen: 0.380 ng/ul  
RT: 21.177 min Scan# 4120  
Delta R.T. -0.006 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:228 Resp: 16378  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.2 36.4  
229 20.0 15.4 23.2

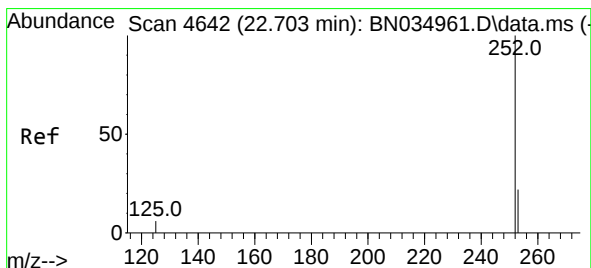
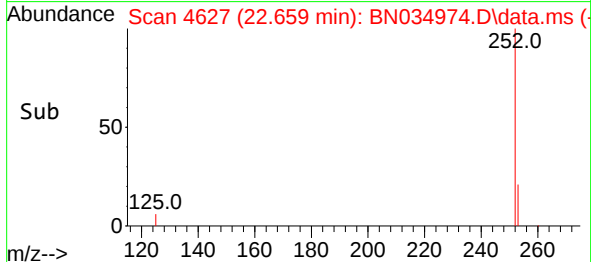
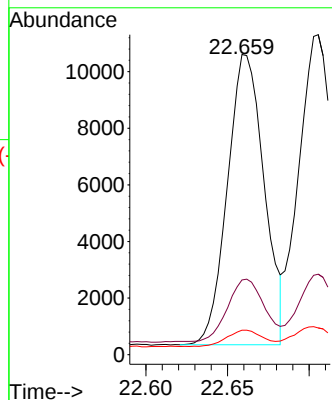
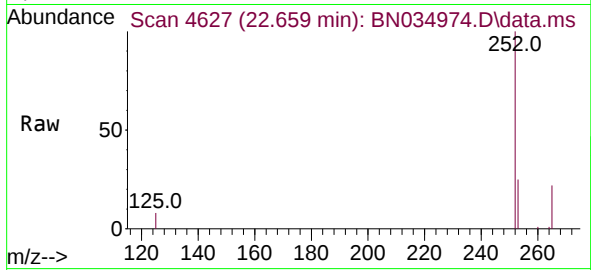




#24  
Benzo(b)fluoranthene  
Concen: 0.373 ng/ul  
RT: 22.659 min Scan# 4627  
Delta R.T. -0.012 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

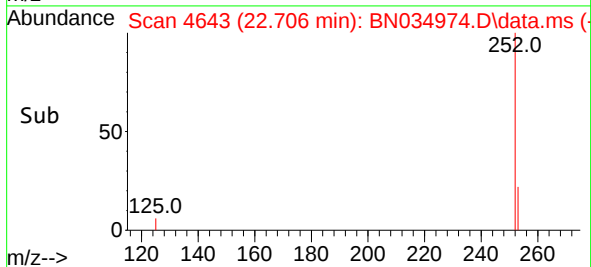
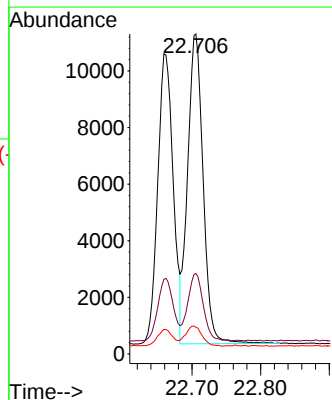
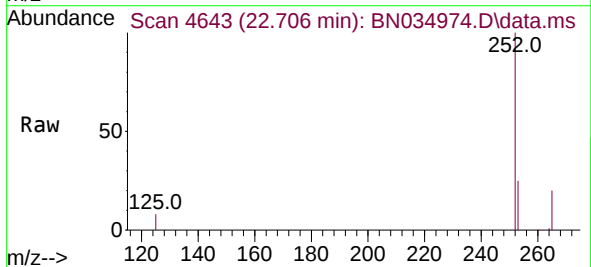
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS816

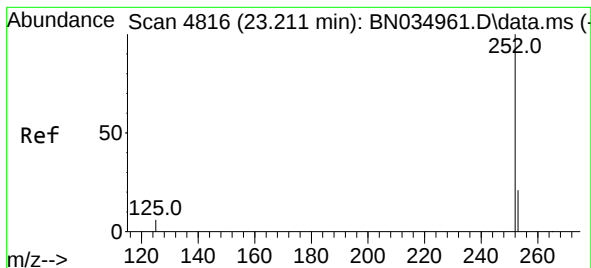
Tgt Ion:252 Resp: 16054  
Ion Ratio Lower Upper  
252 100  
253 24.9 0.0 50.0  
125 8.2 0.0 14.0



#25  
Benzo(k)fluoranthene  
Concen: 0.383 ng/ul  
RT: 22.706 min Scan# 4643  
Delta R.T. -0.006 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:252 Resp: 17218  
Ion Ratio Lower Upper  
252 100  
253 25.2 20.2 30.4  
125 8.4 5.8 8.8





#26

Benzo(a)pyrene

Concen: 0.383 ng/ul

RT: 23.211 min Scan# 4816

Delta R.T. -0.006 min

Lab File: BN034974.D

Acq: 10 Nov 2024 11:33

Instrument :

BNA\_N

ClientSampleId :

SLCS816

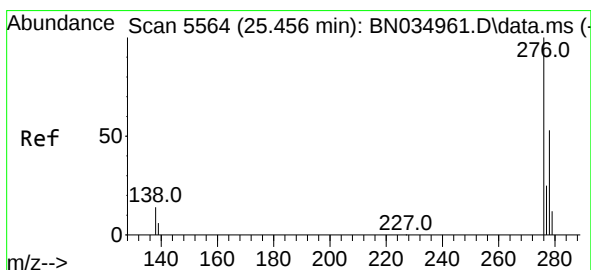
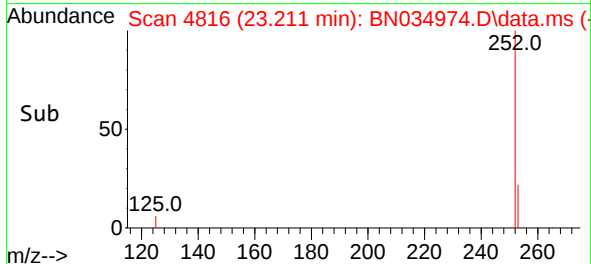
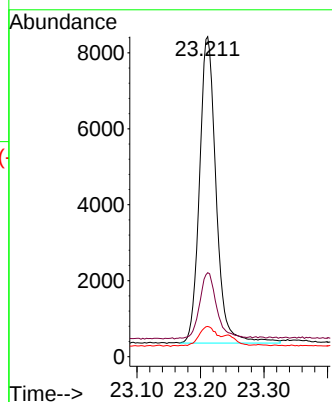
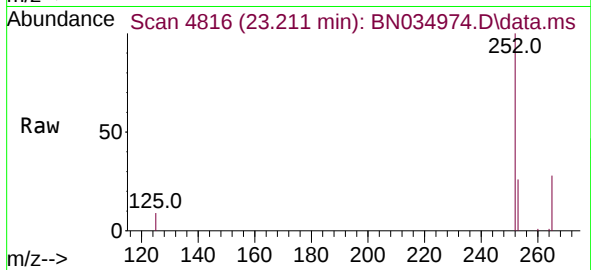
Tgt Ion:252 Resp: 14708

Ion Ratio Lower Upper

252 100

253 26.3 21.2 31.8

125 9.4 6.3 9.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.413 ng/ul

RT: 25.456 min Scan# 5564

Delta R.T. -0.013 min

Lab File: BN034974.D

Acq: 10 Nov 2024 11:33

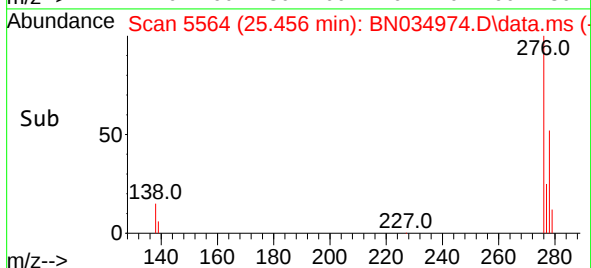
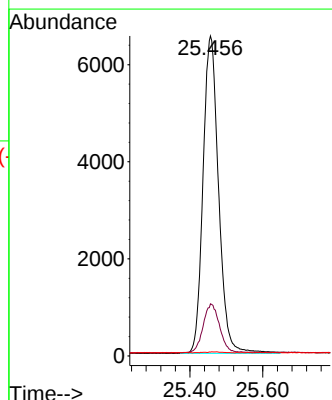
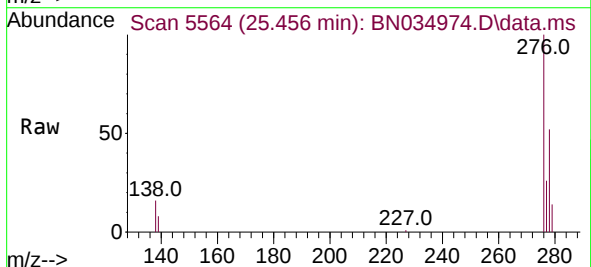
Tgt Ion:276 Resp: 19411

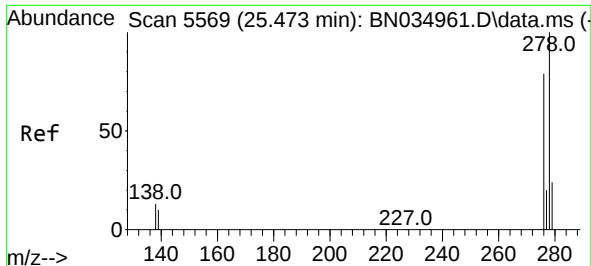
Ion Ratio Lower Upper

276 100

138 16.3 10.8 16.2#

227 0.1 0.2 0.4#

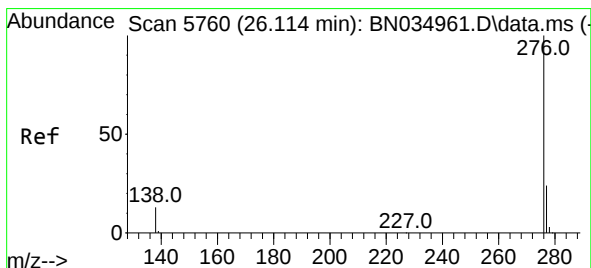
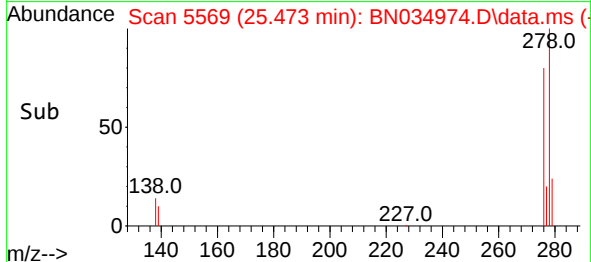
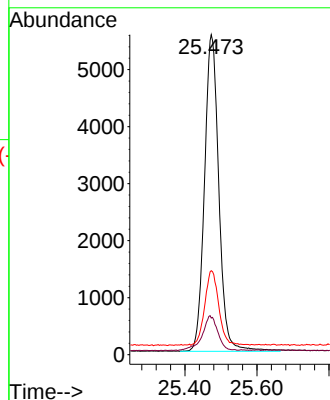
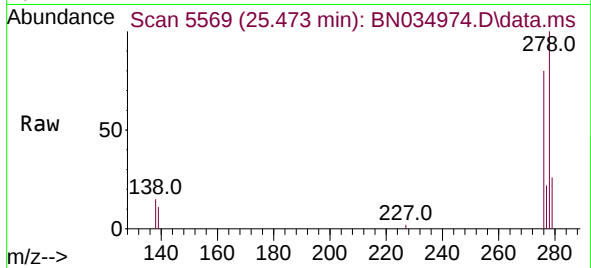




#28  
Dibenzo(a,h)anthracene  
Concen: 0.420 ng/ul  
RT: 25.473 min Scan# 51  
Delta R.T. -0.013 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS816

Tgt Ion:278 Resp: 15364  
Ion Ratio Lower Upper  
278 100  
139 11.5 8.4 12.6  
279 26.3 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.418 ng/ul  
RT: 26.110 min Scan# 5759  
Delta R.T. -0.017 min  
Lab File: BN034974.D  
Acq: 10 Nov 2024 11:33

Tgt Ion:276 Resp: 14995  
Ion Ratio Lower Upper  
276 100  
138 13.9 10.3 15.5  
277 24.5 20.2 30.2

