

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111924\  
 Data File : BN035205.D  
 Acq On : 20 Nov 2024 18:43  
 Operator : RC/JU  
 Sample : PB165092BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS092

Quant Time: Nov 20 23:25:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 18 00:44:37 2024  
 Response via : Initial Calibration

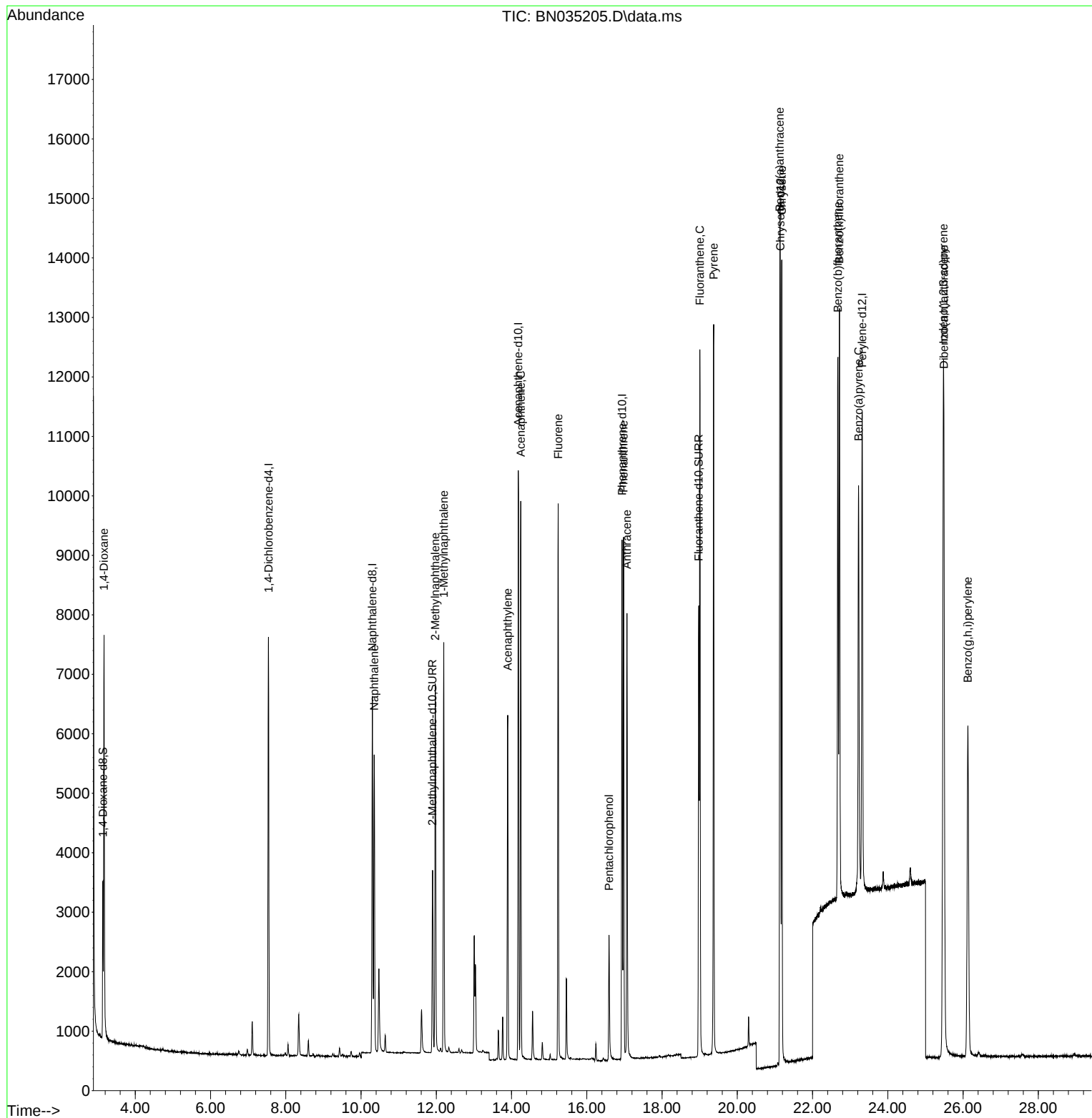
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.541  | 152  | 3536     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.300 | 136  | 8336     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.180 | 164  | 5340     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.937 | 188  | 10855    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.145 | 240  | 9424     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.320 | 264  | 10371    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.140  | 96   | 1904     | 0.589 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.901 | 152  | 4240     | 0.347 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.977 | 212  | 9079     | 0.349 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.170  | 88   | 5215     | 1.486 | ng/ul# | 94       |
| 5) Naphthalene              | 10.350 | 128  | 6579     | 0.313 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.978 | 142  | 4564     | 0.313 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.198 | 142  | 4618     | 0.314 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.898 | 152  | 6584     | 0.311 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.245 | 153  | 5095     | 0.314 | ng/ul  | 99       |
| 12) Fluorene                | 15.239 | 166  | 5787     | 0.304 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.590 | 266  | 1528     | 0.604 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.979 | 178  | 9108     | 0.317 | ng/ul  | 99       |
| 16) Anthracene              | 17.068 | 178  | 8245     | 0.310 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.004 | 202  | 10581    | 0.322 | ng/ul  | 99       |
| 20) Pyrene                  | 19.372 | 202  | 10885    | 0.319 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.131 | 228  | 10615    | 0.325 | ng/ul  | 100      |
| 22) Chrysene                | 21.183 | 228  | 11257    | 0.342 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.673 | 252  | 11561    | 0.337 | ng/ul  | 100      |
| 25) Benzo(k)fluoranthene    | 22.714 | 252  | 12177    | 0.345 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.223 | 252  | 10304    | 0.329 | ng/ul  | 100      |
| 27) Indeno(1,2,3-cd)pyrene  | 25.476 | 276  | 14589    | 0.345 | ng/ul  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.490 | 278  | 11456    | 0.345 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.127 | 276  | 11476    | 0.344 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

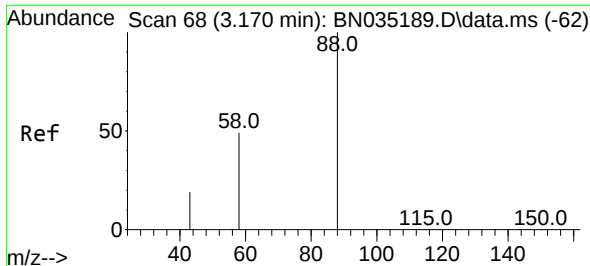
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111924\  
Data File : BN035205.D  
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QLast Update : Mon Nov 18 00:44:37 2024  
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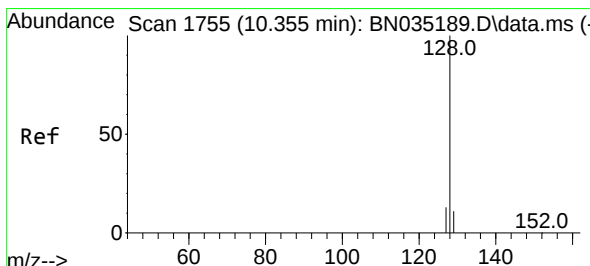
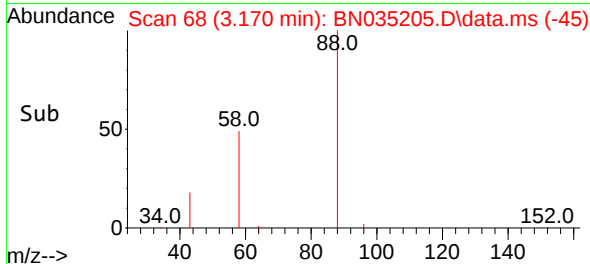
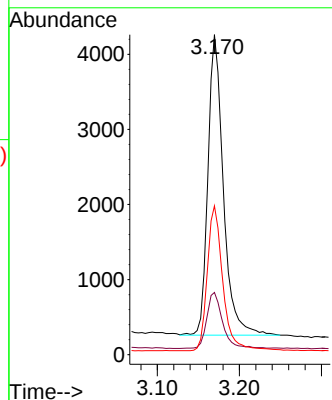
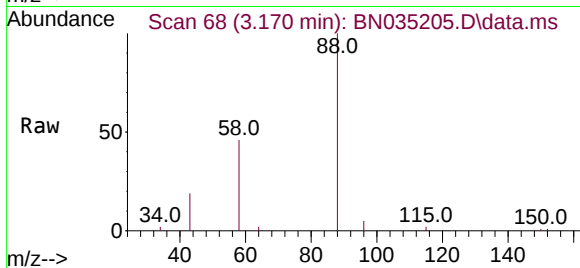




#2  
1,4-Dioxane  
Concen: 1.486 ng/ul  
RT: 3.170 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

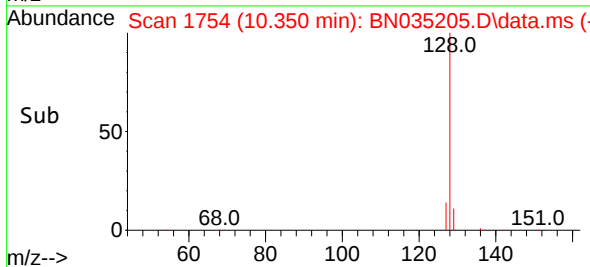
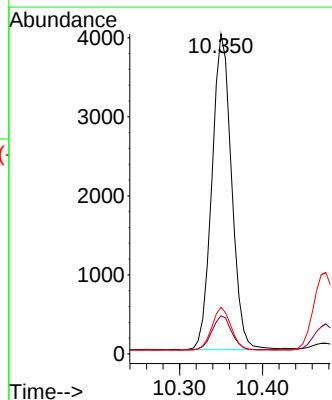
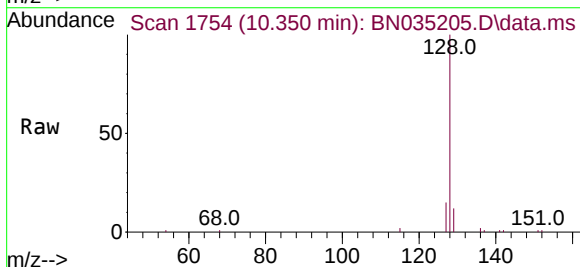
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS092

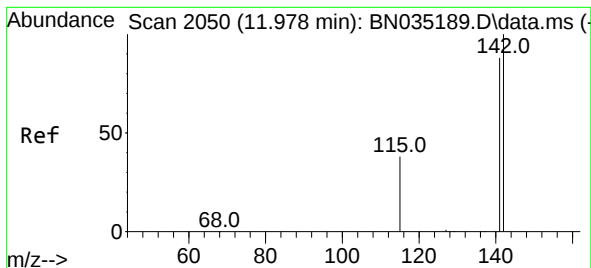
Tgt Ion: 88 Resp: 5215  
Ion Ratio Lower Upper  
88 100  
43 19.4 20.6 31.0#  
58 46.5 36.2 54.4



#5  
Naphthalene  
Concen: 0.313 ng/ul  
RT: 10.350 min Scan# 1754  
Delta R.T. -0.011 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion: 128 Resp: 6579  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.9 14.9  
127 14.6 11.4 17.2

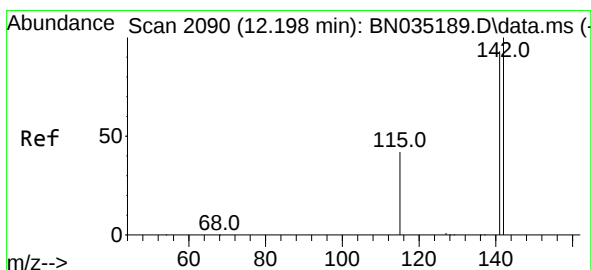
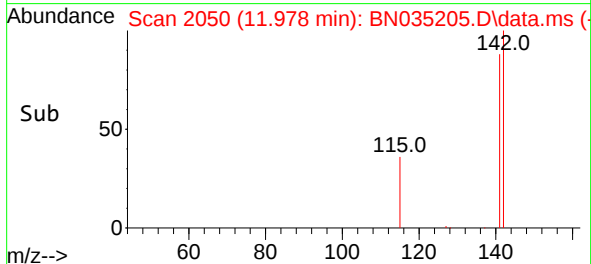
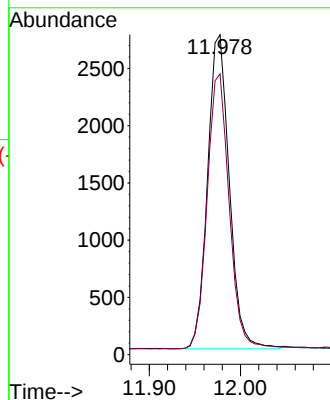
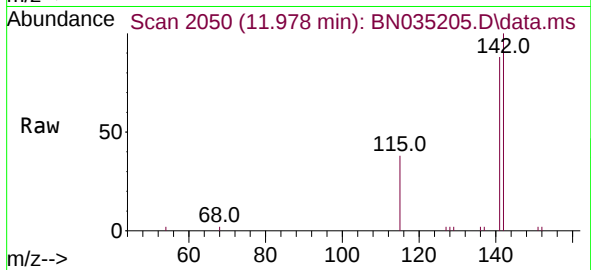




#7  
2-Methylnaphthalene  
Concen: 0.313 ng/ul  
RT: 11.978 min Scan# 2050  
Delta R.T. -0.006 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

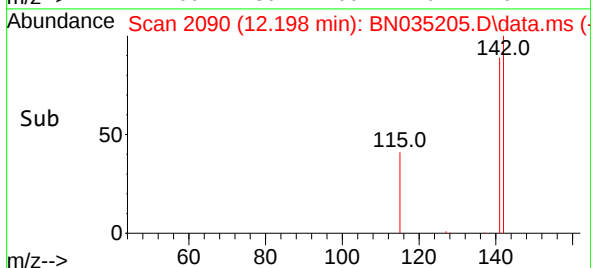
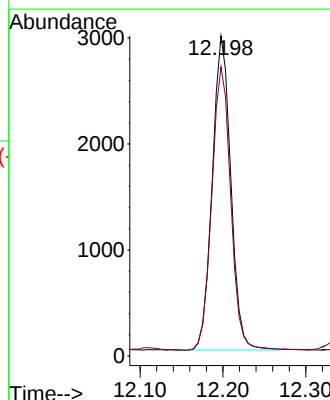
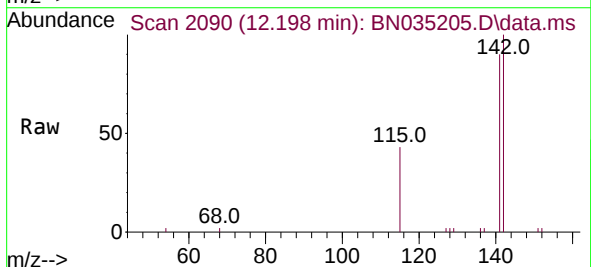
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS092

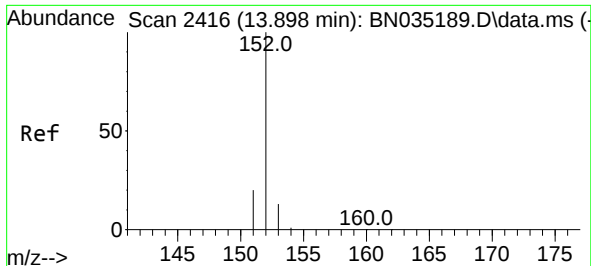
Tgt Ion:142 Resp: 4564  
Ion Ratio Lower Upper  
142 100  
141 88.3 70.4 105.6



#8  
1-Methylnaphthalene  
Concen: 0.314 ng/ul  
RT: 12.198 min Scan# 2090  
Delta R.T. -0.006 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:142 Resp: 4618  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.1 109.7

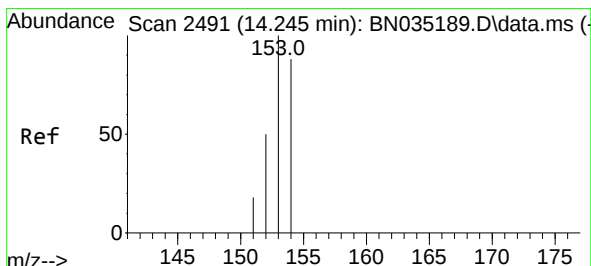
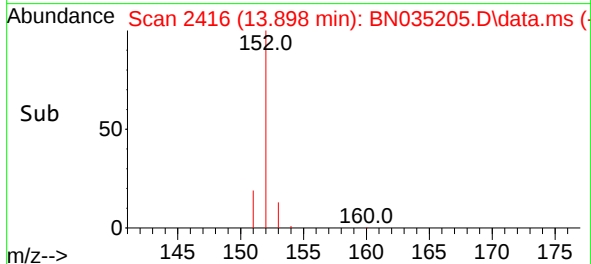
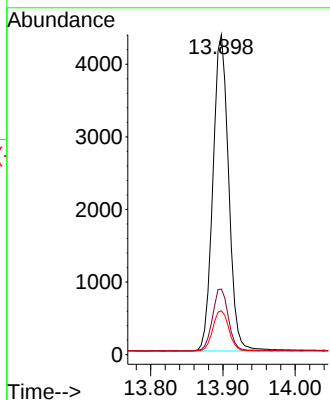
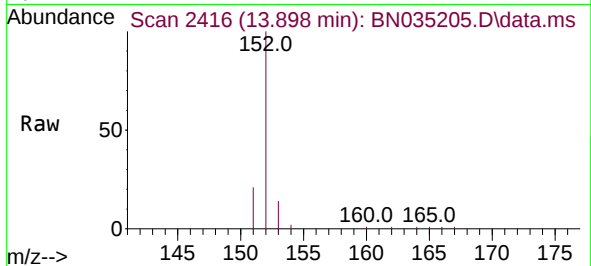




#10  
Acenaphthylene  
Concen: 0.311 ng/ul  
RT: 13.898 min Scan# 2416  
Delta R.T. -0.005 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

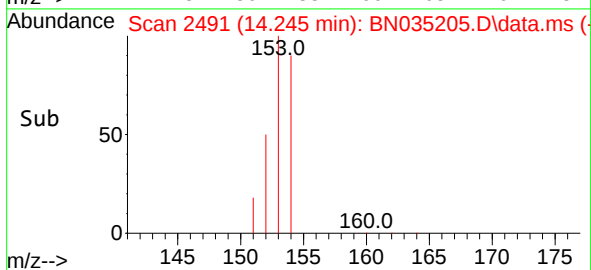
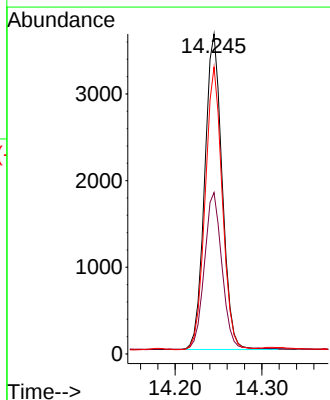
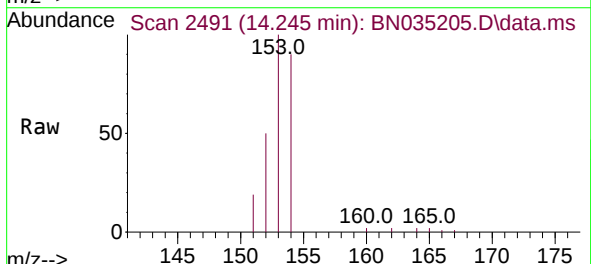
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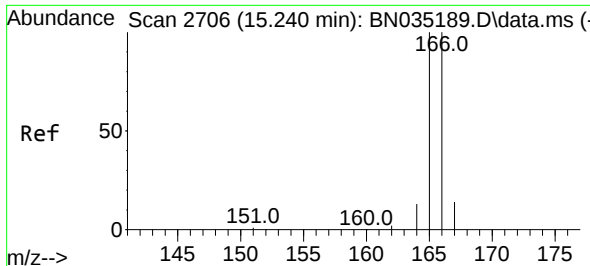
Tgt Ion:152 Resp: 6584  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.4 24.6  
153 13.7 11.1 16.7



#11  
Acenaphthene  
Concen: 0.314 ng/ul  
RT: 14.245 min Scan# 2491  
Delta R.T. -0.005 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:153 Resp: 5095  
Ion Ratio Lower Upper  
153 100  
152 50.5 41.4 62.0  
154 89.6 71.2 106.8

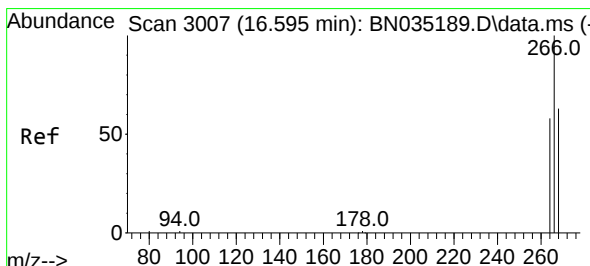
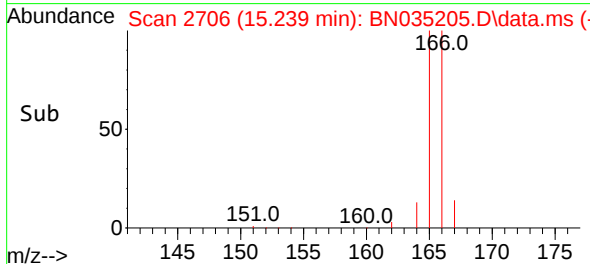
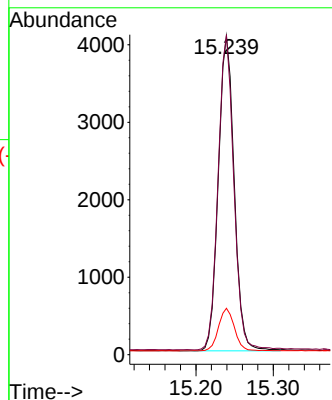
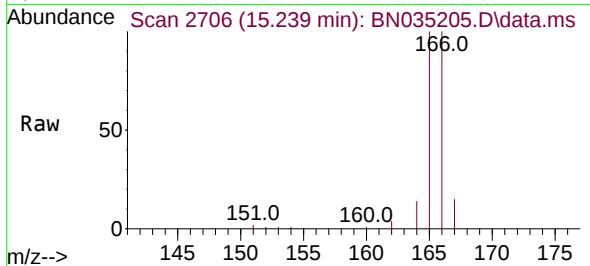




#12  
Fluorene  
Concen: 0.304 ng/ul  
RT: 15.239 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

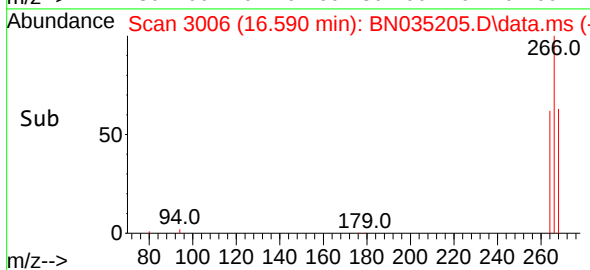
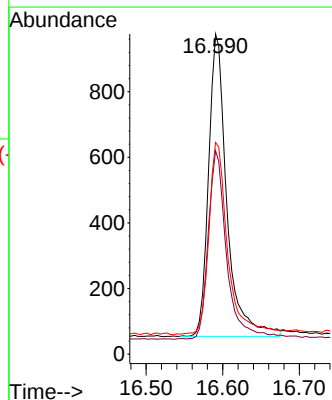
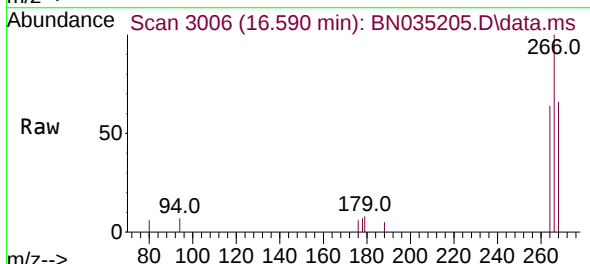
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ClientSampleId :  
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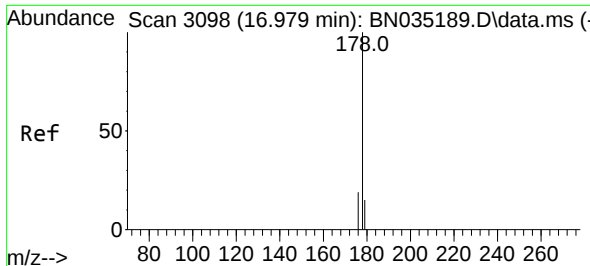
Tgt Ion:166 Resp: 5787  
Ion Ratio Lower Upper  
166 100  
165 100.5 78.6 118.0  
167 14.6 11.8 17.6



#14  
Pentachlorophenol  
Concen: 0.604 ng/ul  
RT: 16.590 min Scan# 3006  
Delta R.T. -0.009 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:266 Resp: 1528  
Ion Ratio Lower Upper  
266 100  
264 62.8 51.8 77.6  
268 66.1 51.3 76.9

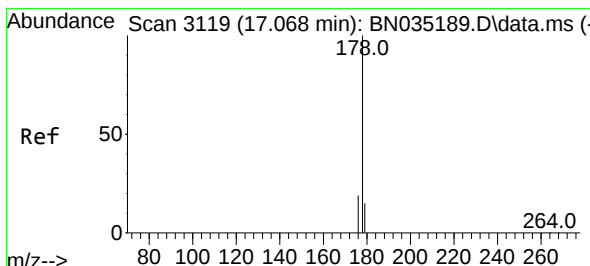
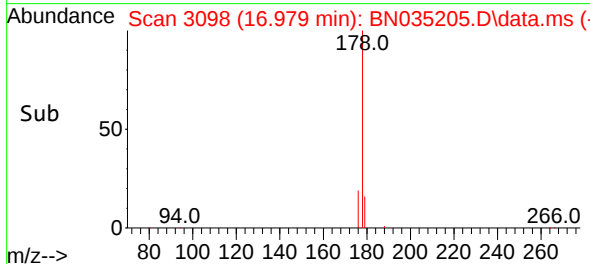
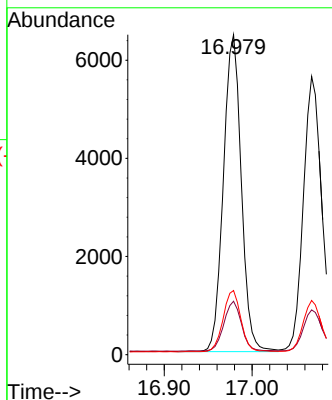
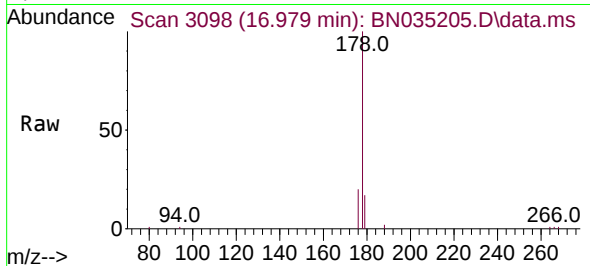




#15  
Phenanthrene  
Concen: 0.317 ng/ul  
RT: 16.979 min Scan# 3098  
Delta R.T. -0.004 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

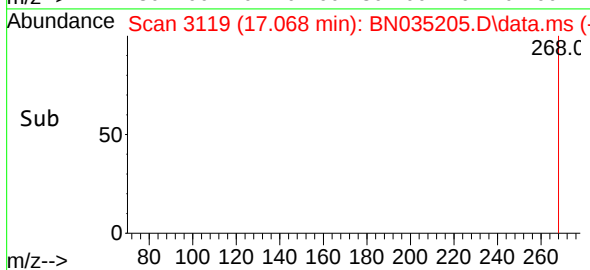
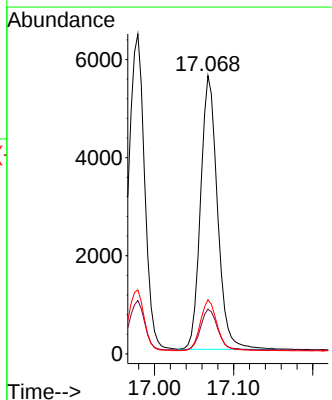
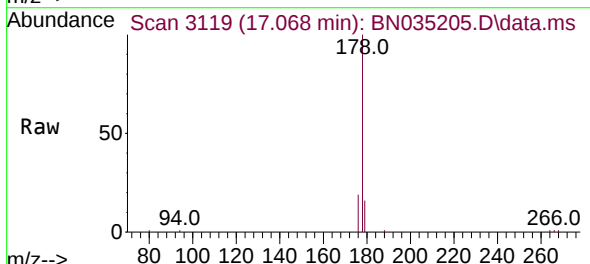
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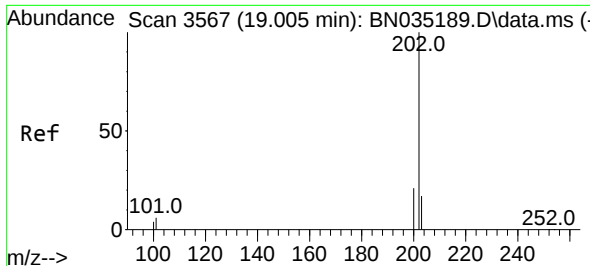
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Ion Ratio Lower Upper  
178 100  
179 16.7 12.9 19.3  
176 20.1 15.6 23.4



#16  
Anthracene  
Concen: 0.310 ng/ul  
RT: 17.068 min Scan# 3119  
Delta R.T. -0.009 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:178 Resp: 8245  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.9 19.3  
176 19.5 15.4 23.2

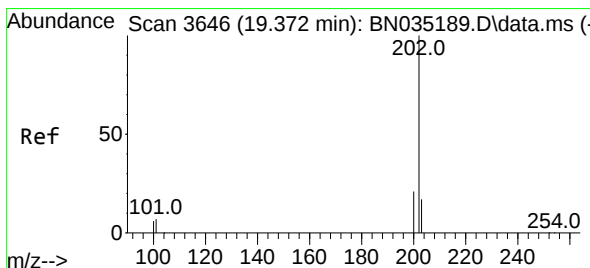
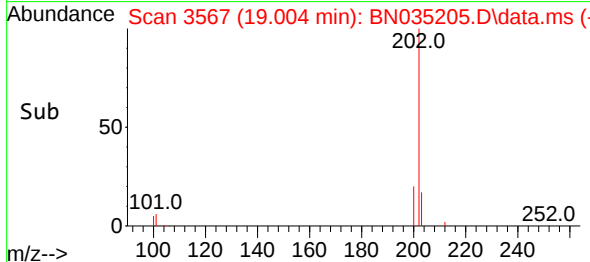
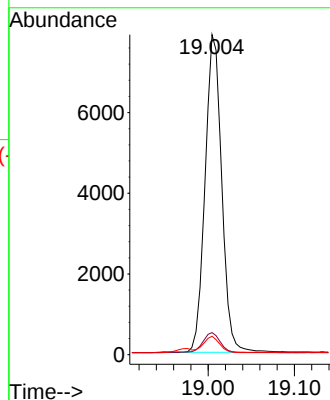
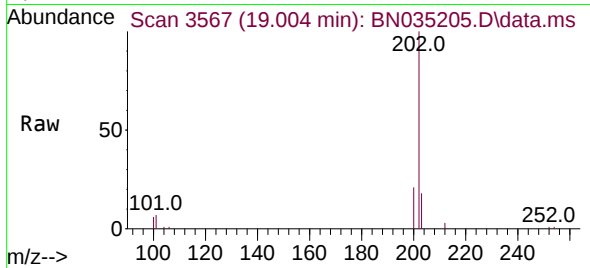




#19  
Fluoranthene  
Concen: 0.322 ng/ul  
RT: 19.004 min Scan# 3567  
Delta R.T. -0.005 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

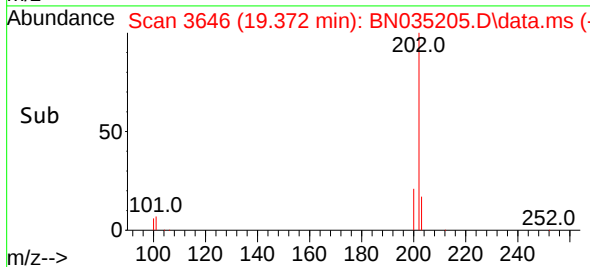
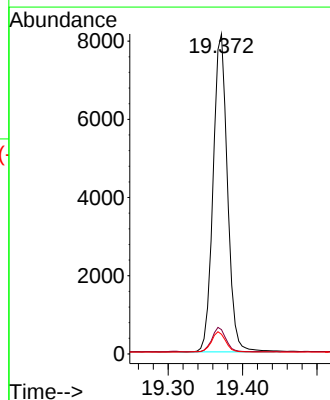
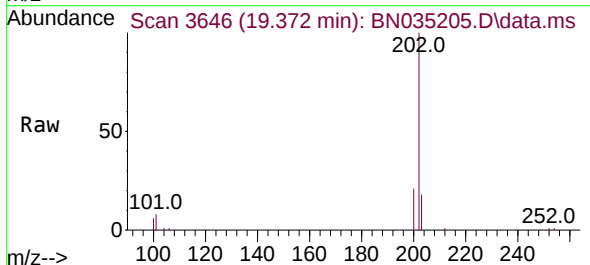
Instrument :  
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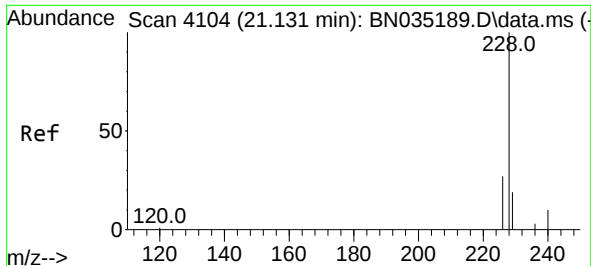
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Ion Ratio Lower Upper  
202 100  
101 6.9 5.8 8.6  
100 5.7 4.5 6.7



#20  
Pyrene  
Concen: 0.319 ng/ul  
RT: 19.372 min Scan# 3646  
Delta R.T. -0.005 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:202 Resp: 10885  
Ion Ratio Lower Upper  
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101 7.6 6.2 9.4  
100 6.2 5.1 7.7

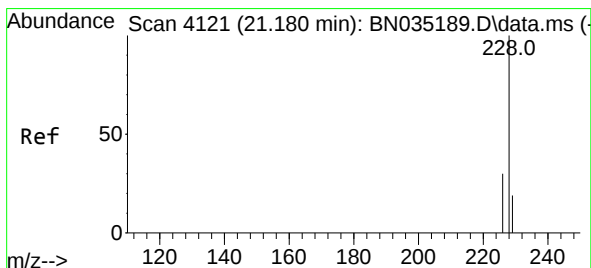
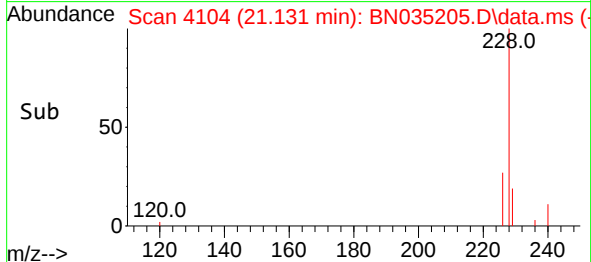
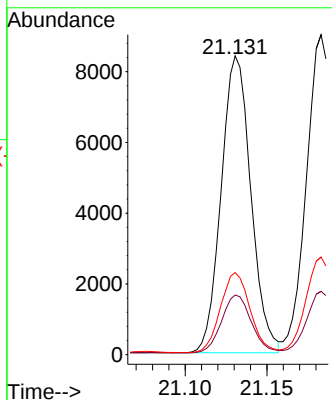
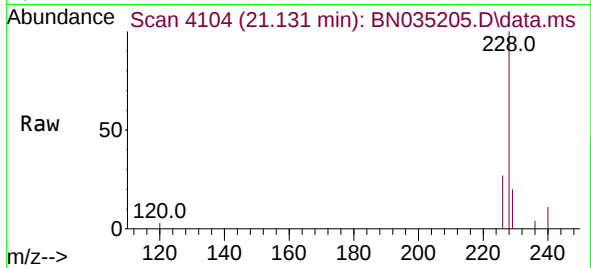




#21  
Benzo(a)anthracene  
Concen: 0.325 ng/ul  
RT: 21.131 min Scan# 4104  
Delta R.T. -0.009 min  
Lab File: BN035205.D  
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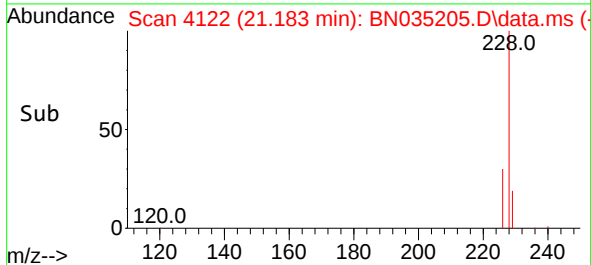
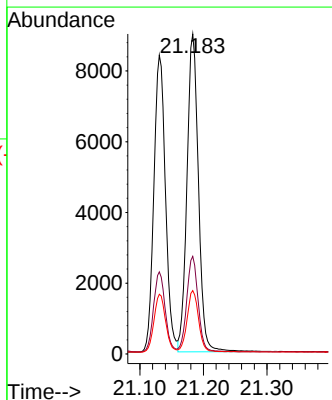
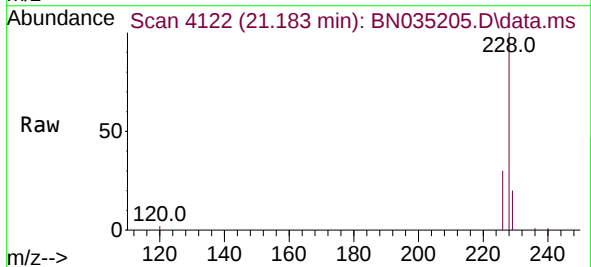
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS092

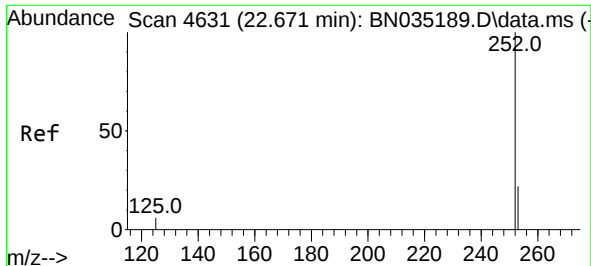
Tgt Ion:228 Resp: 10615  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.8 23.8  
226 27.4 21.8 32.8



#22  
Chrysene  
Concen: 0.342 ng/ul  
RT: 21.183 min Scan# 4122  
Delta R.T. -0.006 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:228 Resp: 11257  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.7 37.1  
229 19.8 16.0 24.0

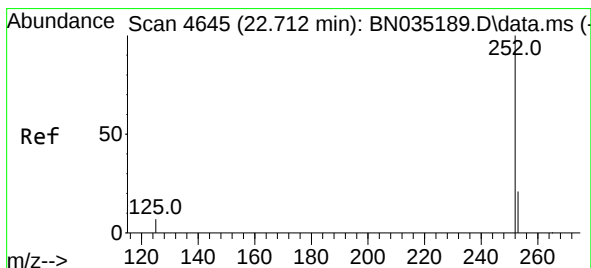
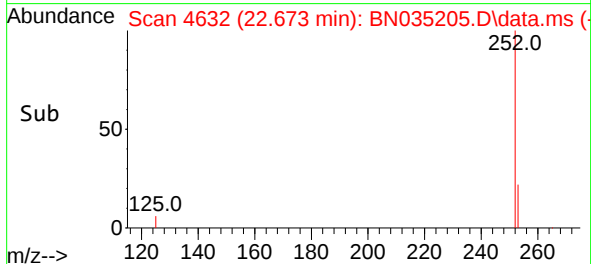
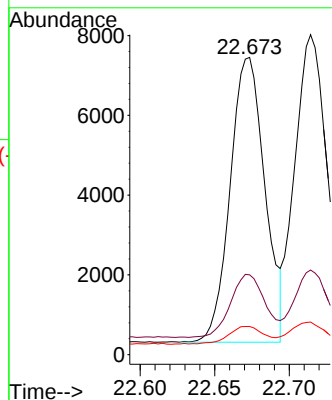
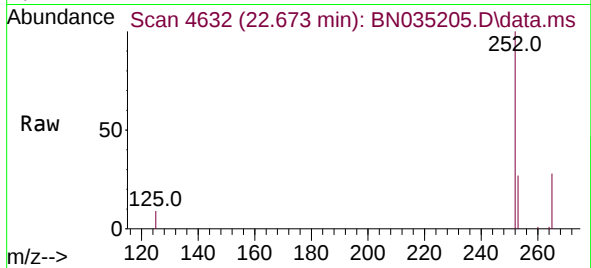




#24  
Benzo(b)fluoranthene  
Concen: 0.337 ng/ul  
RT: 22.673 min Scan# 4632  
Delta R.T. -0.009 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

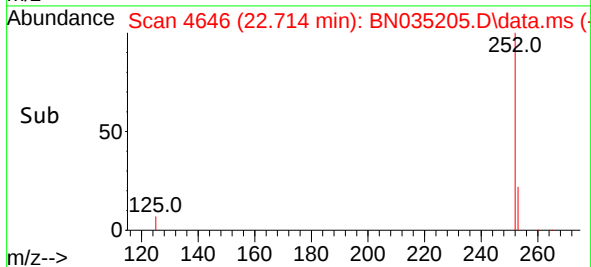
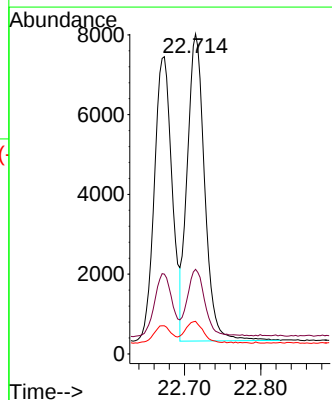
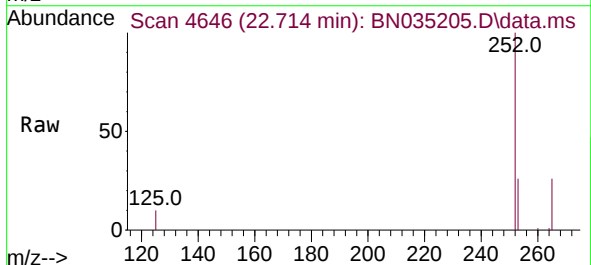
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS092

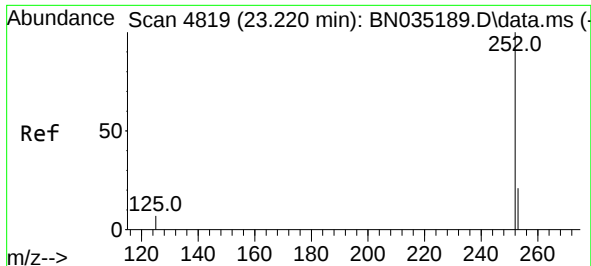
Tgt Ion:252 Resp: 11561  
Ion Ratio Lower Upper  
252 100  
253 26.8 0.0 54.0  
125 9.5 0.0 19.4



#25  
Benzo(k)fluoranthene  
Concen: 0.345 ng/ul  
RT: 22.714 min Scan# 4646  
Delta R.T. -0.009 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:252 Resp: 12177  
Ion Ratio Lower Upper  
252 100  
253 26.5 21.8 32.6  
125 10.2 8.6 12.8

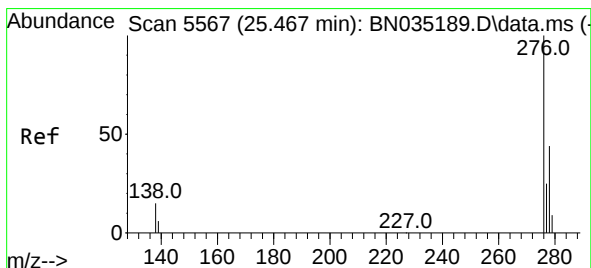
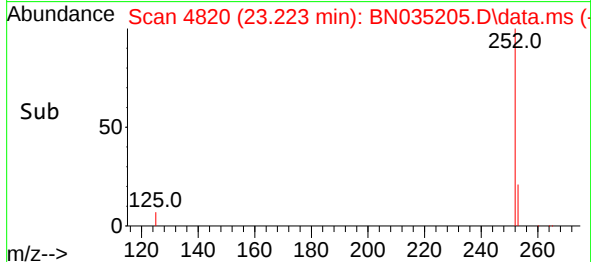
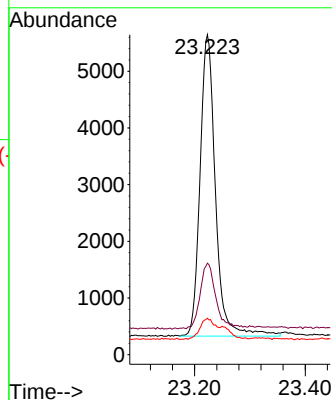
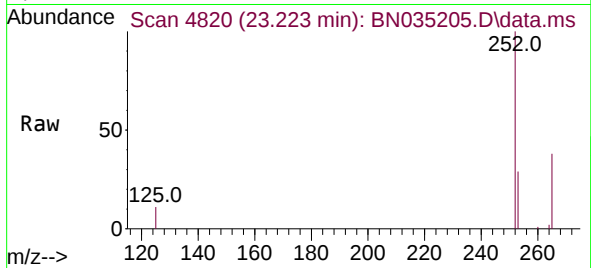




#26  
Benzo(a)pyrene  
Concen: 0.329 ng/ul  
RT: 23.223 min Scan# 4820  
Delta R.T. -0.009 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

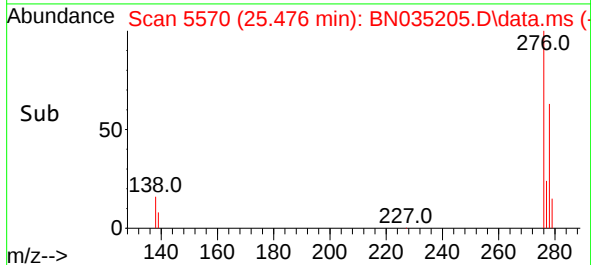
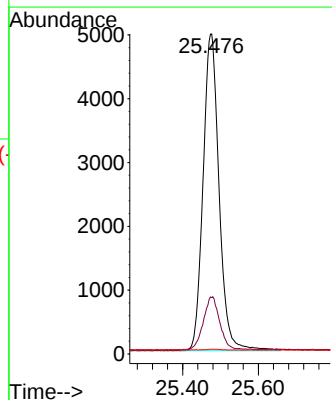
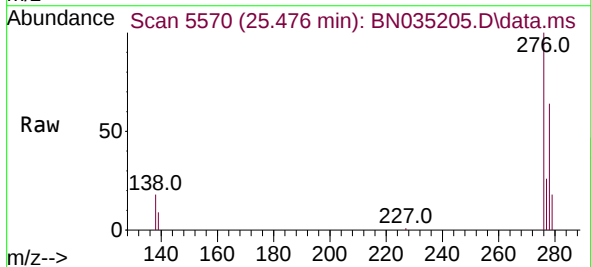
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS092

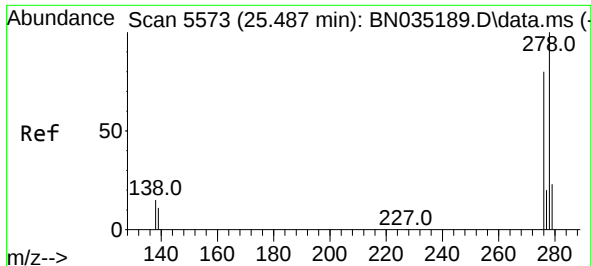
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 10304 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 28.6  | 22.9  | 34.3  |
| 125      | 11.4  | 9.4   | 14.2  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.345 ng/ul  
RT: 25.476 min Scan# 5570  
Delta R.T. -0.010 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 14589 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 17.2  | 13.8  | 20.8  |
| 227      | 0.3   | 0.2   | 0.4   |

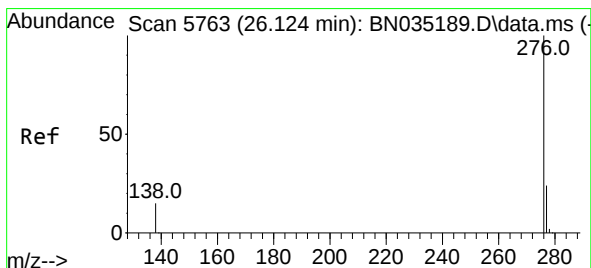
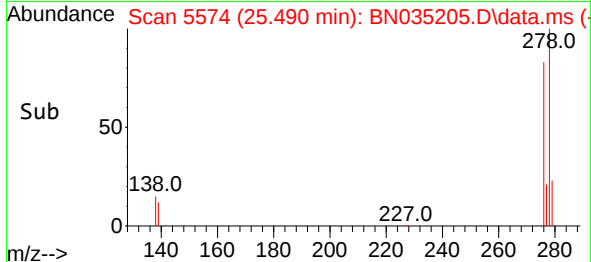
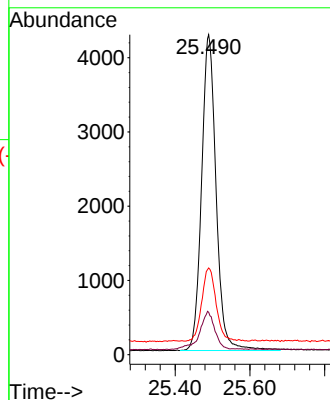
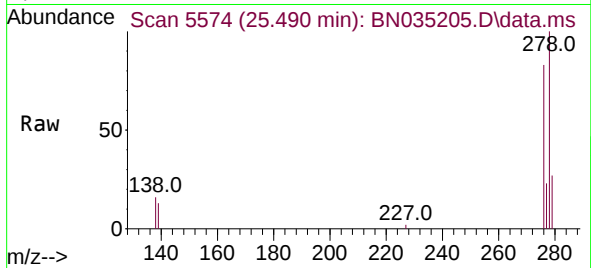




#28  
Dibenzo(a,h)anthracene  
Concen: 0.345 ng/ul  
RT: 25.490 min Scan# 51  
Delta R.T. -0.017 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS092

Tgt Ion:278 Resp: 11456  
Ion Ratio Lower Upper  
278 100  
139 13.3 10.7 16.1  
279 27.1 22.8 34.2



#29  
Benzo(g,h,i)perylene  
Concen: 0.344 ng/ul  
RT: 26.127 min Scan# 5764  
Delta R.T. -0.014 min  
Lab File: BN035205.D  
Acq: 20 Nov 2024 18:43

Tgt Ion:276 Resp: 11476  
Ion Ratio Lower Upper  
276 100  
138 16.2 13.0 19.6  
277 25.0 20.5 30.7

