

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012723\  
 Data File : BN023834.D  
 Acq On : 27 Jan 2023 11:24  
 Operator : CG/JU  
 Sample : PB150423BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB150423BS

Quant Time: Jan 30 02:25:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 02:24:22 2023  
 Response via : Initial Calibration

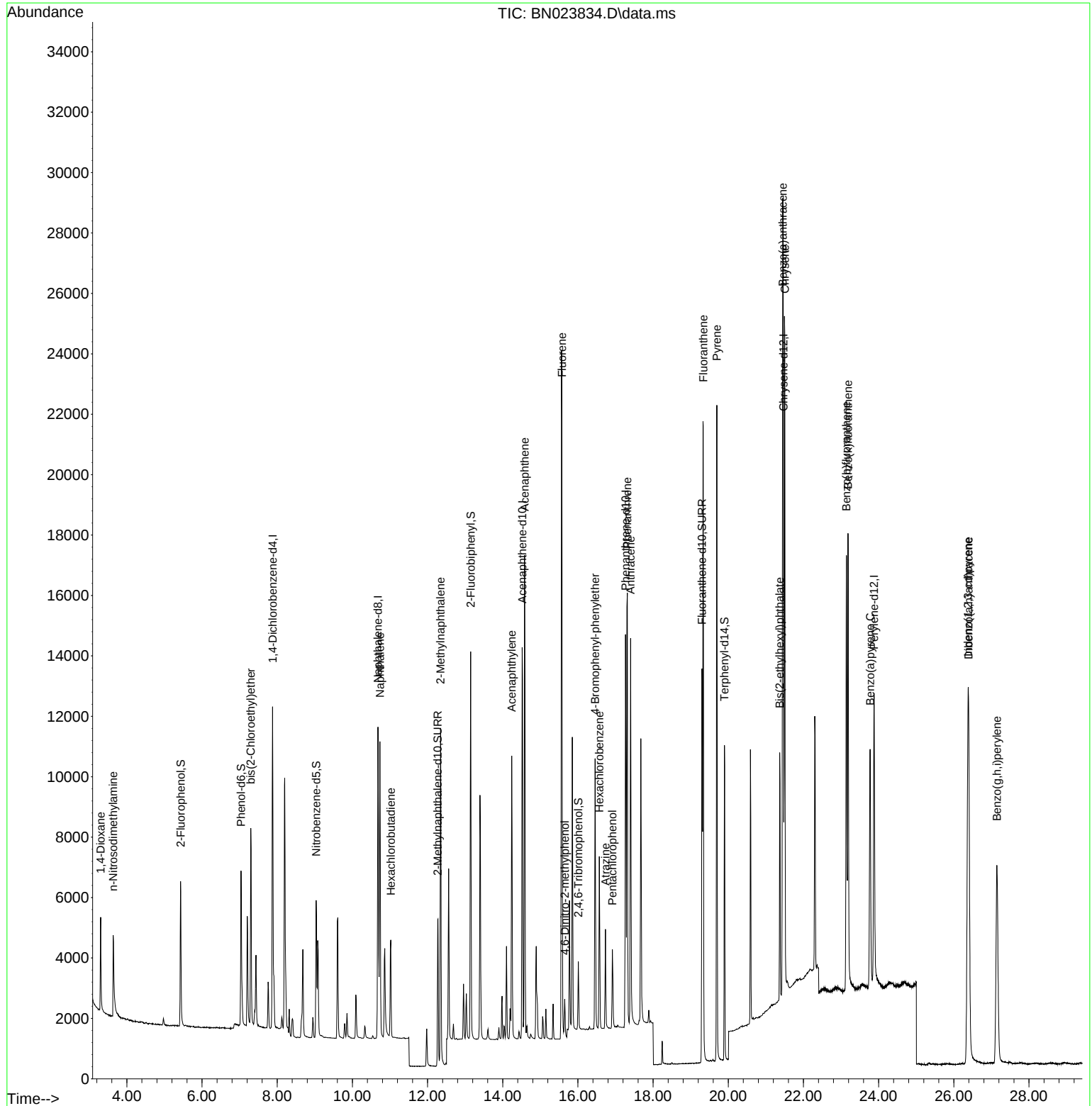
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.876  | 152  | 4963     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.680 | 136  | 13636    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.516 | 164  | 7741     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.265 | 188  | 17287    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.468 | 240  | 16514    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.879 | 264  | 13305    | 0.400 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.435  | 112  | 3951     | 0.382 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.038  | 99   | 4620     | 0.378 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.035  | 82   | 3888     | 0.375 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.272 | 152  | 6793     | 0.377 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.012 | 330  | 1235     | 0.364 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.148 | 172  | 10705    | 0.347 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.300 | 212  | 15146    | 0.375 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.899 | 244  | 11657    | 0.372 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 1910     | 0.365 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.637  | 42   | 2145     | 0.387 | ng    | 96       |
| 6) bis(2-Chloroethyl)ether    | 7.298  | 93   | 4730     | 0.382 | ng    | 100      |
| 9) Naphthalene                | 10.733 | 128  | 12407    | 0.363 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.021 | 225  | 2687     | 0.392 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.348 | 142  | 7975     | 0.365 | ng    | 98       |
| 16) Acenaphthylene            | 14.239 | 152  | 10516    | 0.342 | ng    | 99       |
| 17) Acenaphthene              | 14.581 | 154  | 7550     | 0.366 | ng    | 100      |
| 18) Fluorene                  | 15.575 | 166  | 10076    | 0.360 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.650 | 198  | 958      | 0.384 | ng    | # 83     |
| 21) 4-Bromophenyl-phenylether | 16.459 | 248  | 3366     | 0.350 | ng    | 94       |
| 22) Hexachlorobenzene         | 16.570 | 284  | 4031     | 0.349 | ng    | 97       |
| 23) Atrazine                  | 16.732 | 200  | 2472     | 0.355 | ng    | 97       |
| 24) Pentachlorophenol         | 16.918 | 266  | 1268     | 0.391 | ng    | 96       |
| 25) Phenanthrene              | 17.315 | 178  | 17047    | 0.355 | ng    | 100      |
| 26) Anthracene                | 17.402 | 178  | 13662    | 0.351 | ng    | 100      |
| 28) Fluoranthene              | 19.334 | 202  | 19158    | 0.364 | ng    | 99       |
| 30) Pyrene                    | 19.696 | 202  | 19124    | 0.341 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.450 | 228  | 17779    | 0.354 | ng    | 98       |
| 33) Chrysene                  | 21.504 | 228  | 19699    | 0.355 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.370 | 149  | 7821     | 0.343 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.379 | 276  | 19170    | 0.347 | ng    | 97       |
| 37) Benzo(b)fluoranthene      | 23.142 | 252  | 18044    | 0.360 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.186 | 252  | 18052    | 0.364 | ng    | 96       |
| 39) Benzo(a)pyrene            | 23.774 | 252  | 13197    | 0.351 | ng    | 97       |
| 40) Dibenzo(a,h)anthracene    | 26.393 | 278  | 15705    | 0.351 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 27.145 | 276  | 16522    | 0.348 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

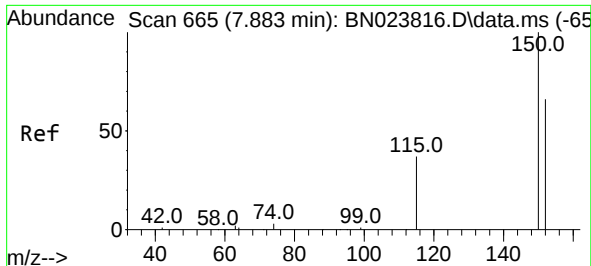
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB150423BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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PB150423BS

Quant Time: Jan 30 02:25:55 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 30 02:24:22 2023  
Response via : Initial Calibration

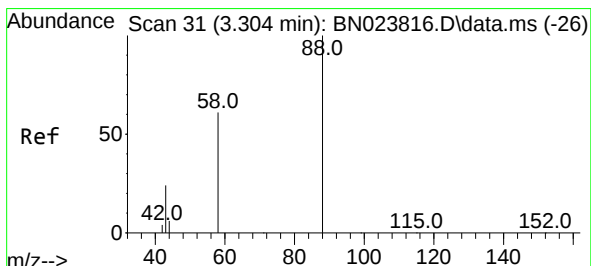
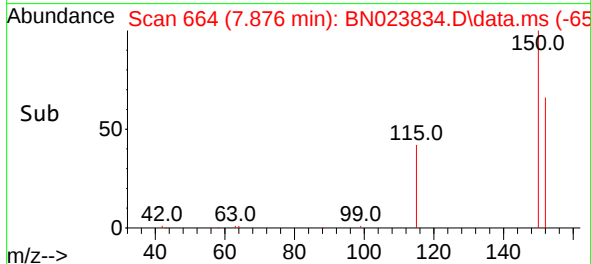
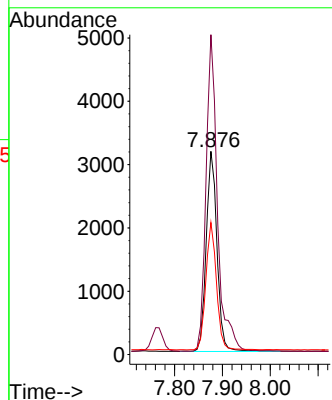
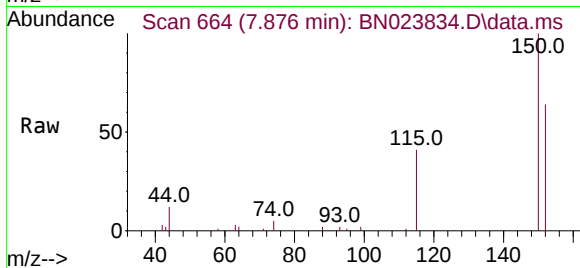




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.876 min Scan# 60  
 Delta R.T. -0.000 min  
 Lab File: BN023834.D  
 Acq: 27 Jan 2023 11:24

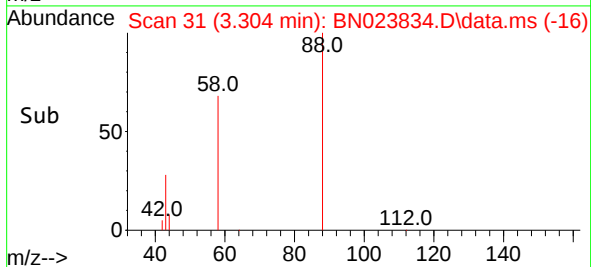
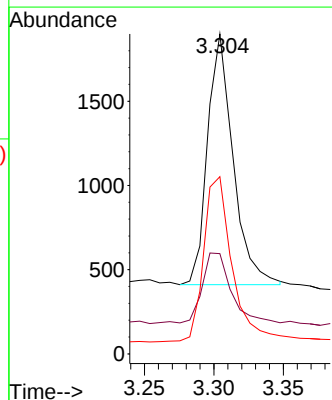
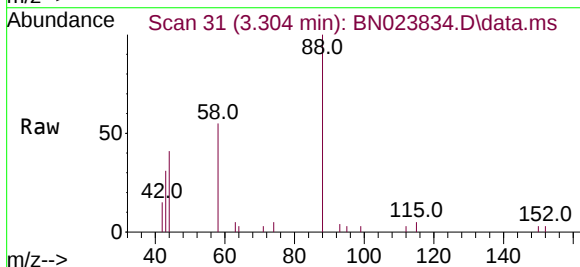
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB150423BS

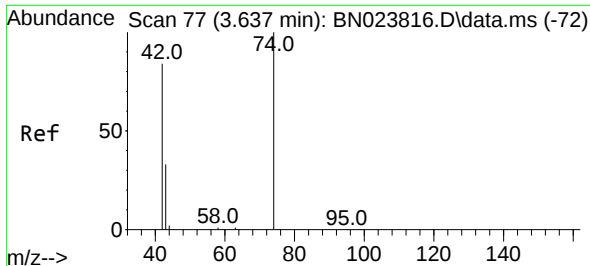
Tgt Ion:152 Resp: 4963  
 Ion Ratio Lower Upper  
 152 100  
 150 157.5 120.5 180.7  
 115 65.0 46.4 69.6



#2  
 1,4-Dioxane  
 Concen: 0.365 ng  
 RT: 3.304 min Scan# 31  
 Delta R.T. 0.007 min  
 Lab File: BN023834.D  
 Acq: 27 Jan 2023 11:24

Tgt Ion: 88 Resp: 1910  
 Ion Ratio Lower Upper  
 88 100  
 43 30.8 24.5 36.7  
 58 73.4 56.9 85.3

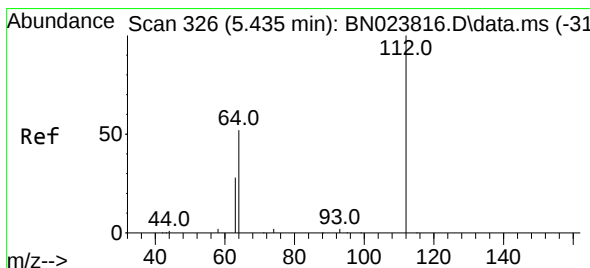
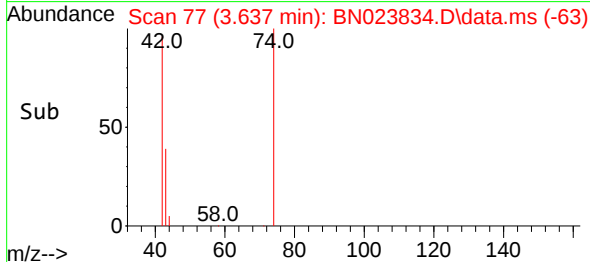
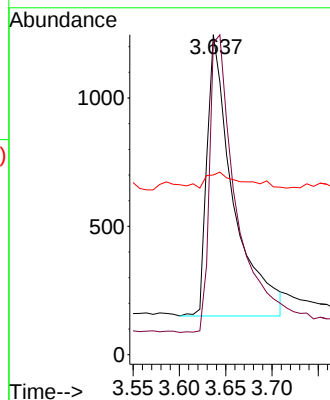
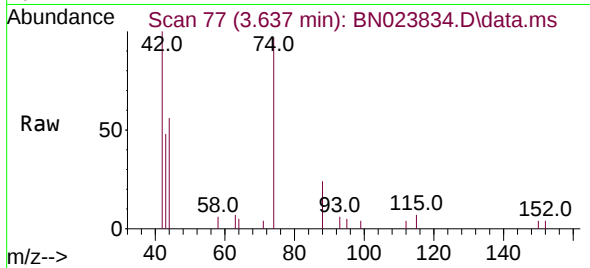




#3  
n-Nitrosodimethylamine  
Concen: 0.387 ng  
RT: 3.637 min Scan# 77  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

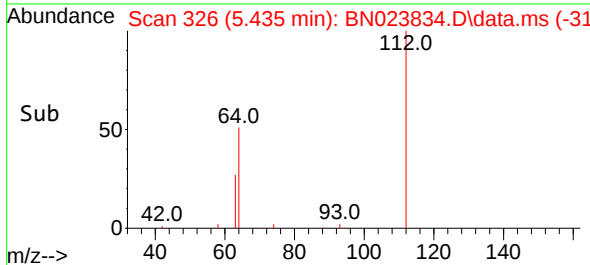
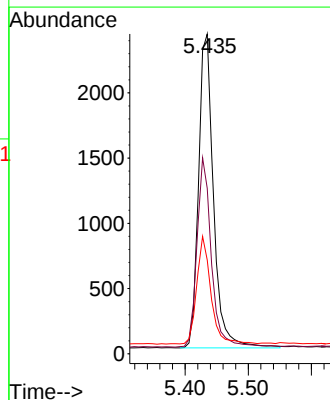
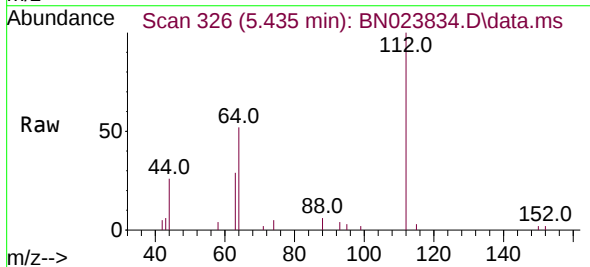
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

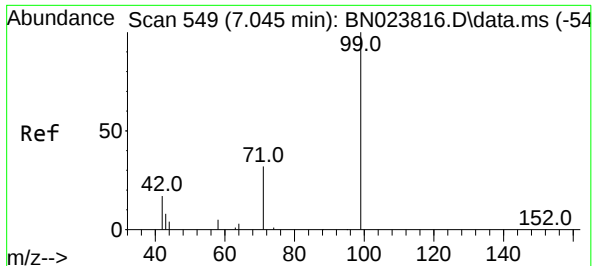
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 2145  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 110.1 | 91.8  | 137.8 |
| 44       | 7.6   | 6.9   | 10.3  |



#4  
2-Fluorophenol  
Concen: 0.382 ng  
RT: 5.435 min Scan# 326  
Delta R.T. 0.007 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 3951  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 58.3  | 45.7  | 68.5  |
| 63       | 32.9  | 24.6  | 37.0  |

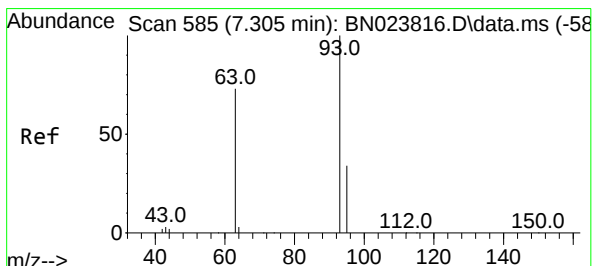
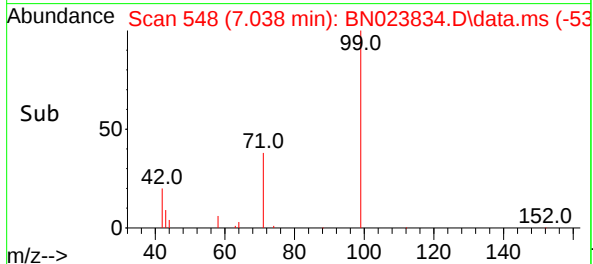
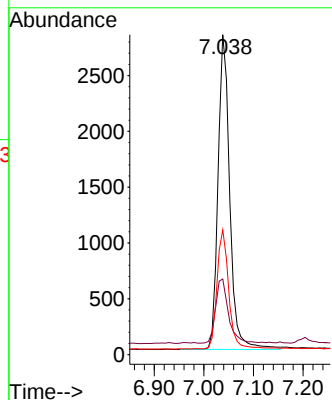
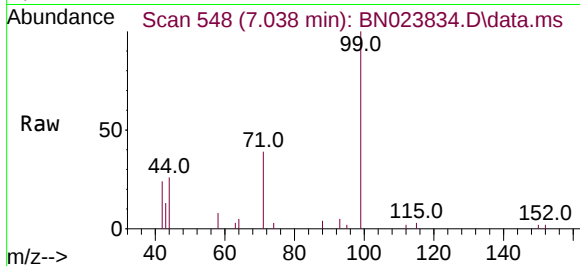




#5  
Phenol-d6  
Concen: 0.378 ng  
RT: 7.038 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

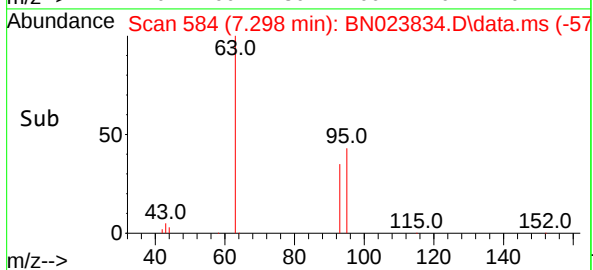
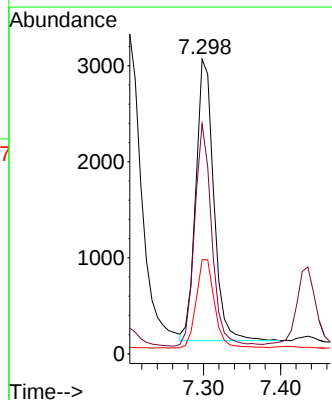
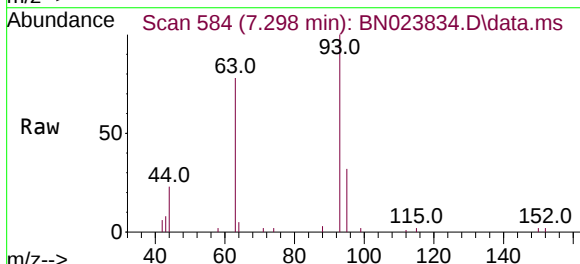
Instrument :  
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PB150423BS

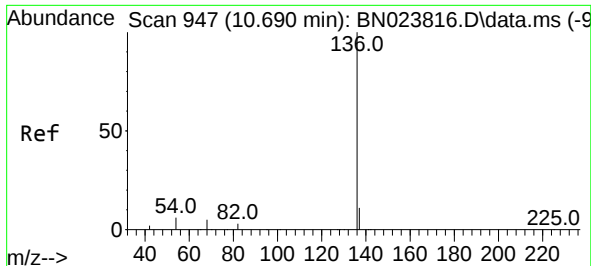
Tgt Ion: 99 Resp: 4620  
Ion Ratio Lower Upper  
99 100  
42 22.3 17.9 26.9  
71 38.2 27.7 41.5



#6  
bis(2-Chloroethyl)ether  
Concen: 0.382 ng  
RT: 7.298 min Scan# 584  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion: 93 Resp: 4730  
Ion Ratio Lower Upper  
93 100  
63 75.5 60.2 90.4  
95 32.3 25.9 38.9

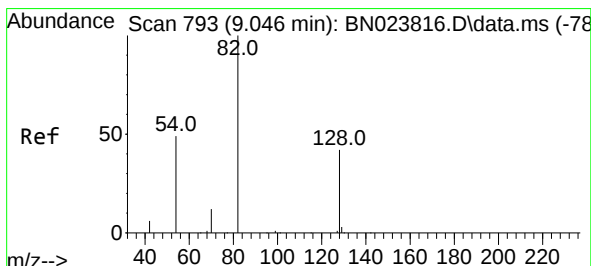
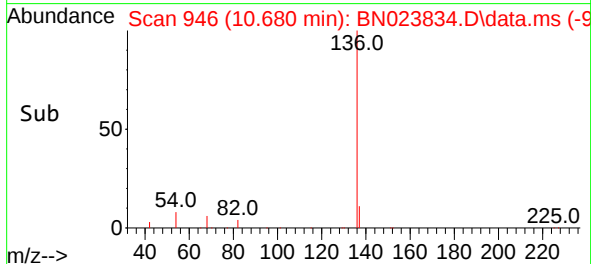
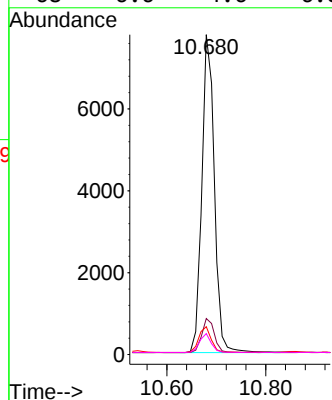
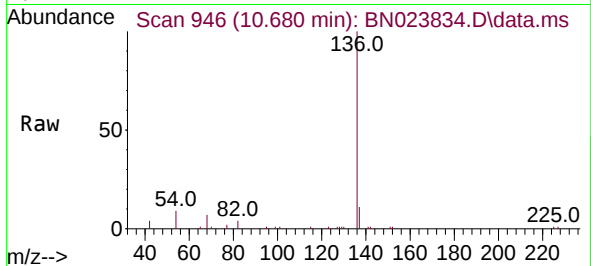




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.680 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

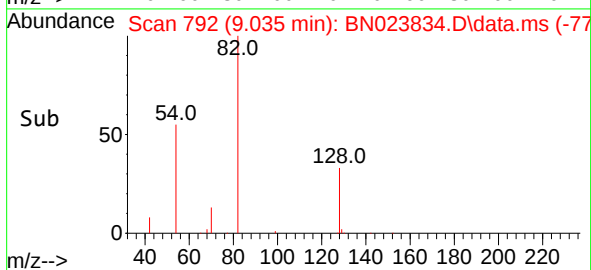
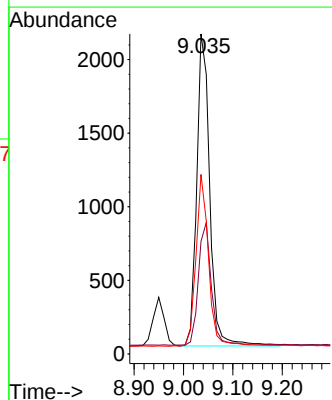
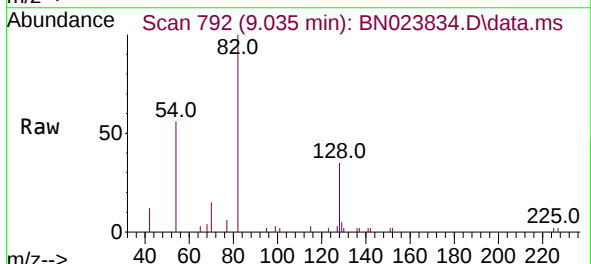
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

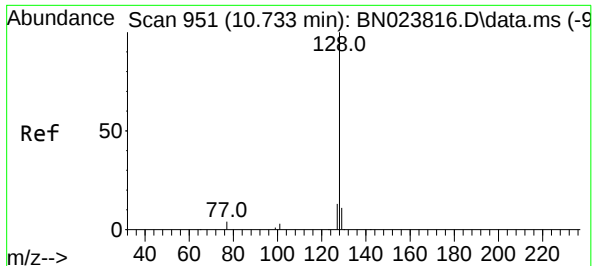
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|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 13636 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.2   | 13.8  |
| 54        | 8.7   | 5.4   | 8.2#  |
| 68        | 6.6   | 4.6   | 6.8   |



#8  
Nitrobenzene-d5  
Concen: 0.375 ng  
RT: 9.035 min Scan# 792  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 3888  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 35.2  | 35.6  | 53.4# |
| 54        | 56.1  | 40.2  | 60.4  |

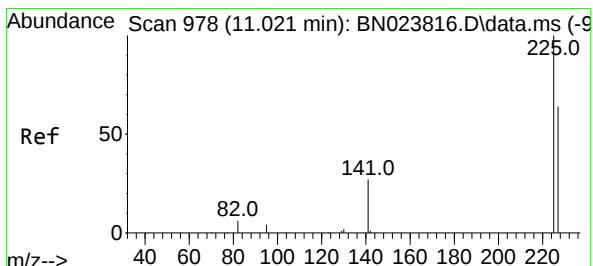
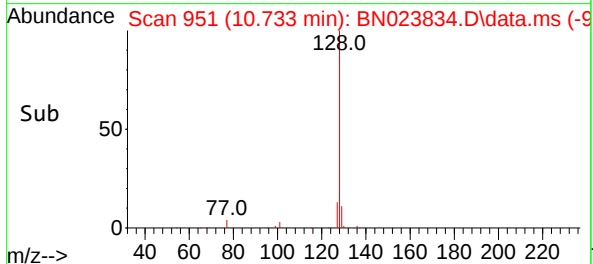
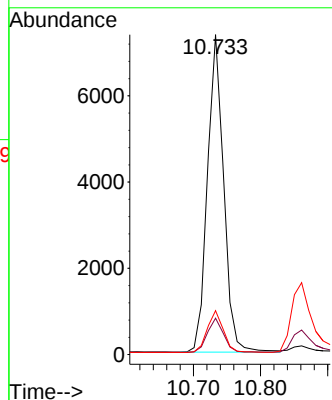
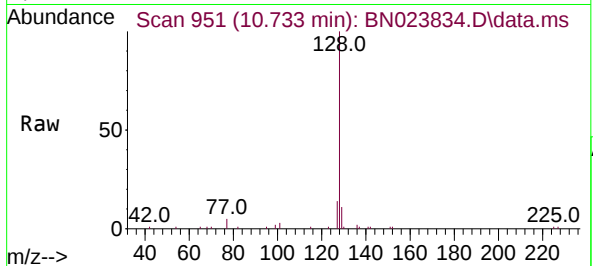




#9  
Naphthalene  
Concen: 0.363 ng  
RT: 10.733 min Scan# 951  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

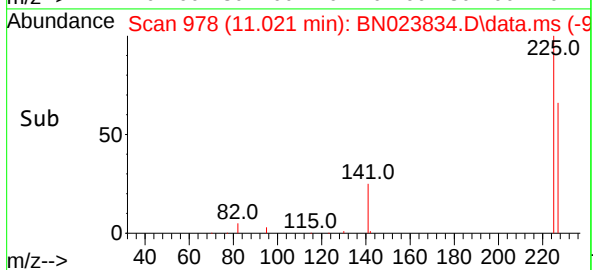
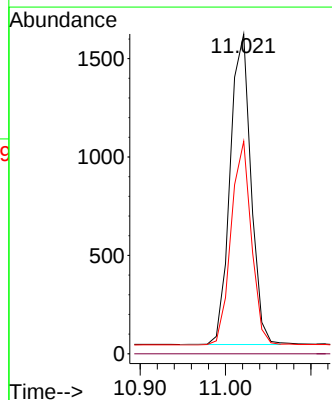
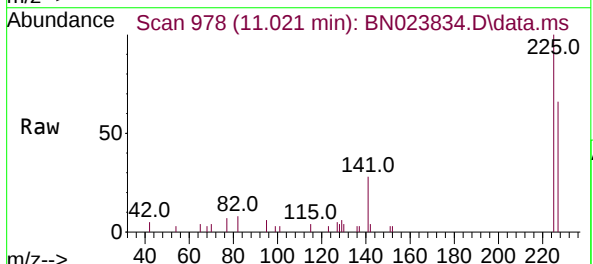
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

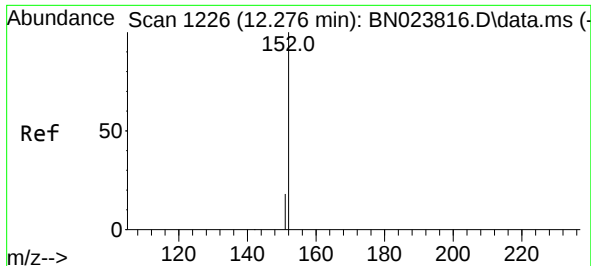
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Ion Ratio Lower Upper  
128 100  
129 11.4 9.2 13.8  
127 13.7 11.0 16.6



#10  
Hexachlorobutadiene  
Concen: 0.392 ng  
RT: 11.021 min Scan# 978  
Delta R.T. 0.011 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:225 Resp: 2687  
Ion Ratio Lower Upper  
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223 0.0 0.0 0.0  
227 63.6 50.8 76.2

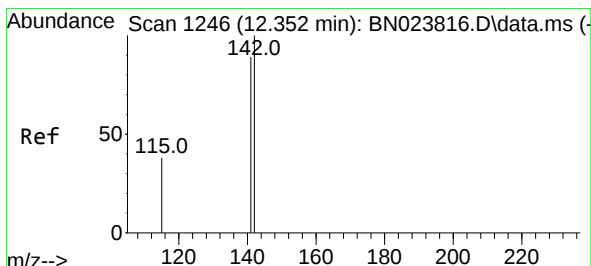
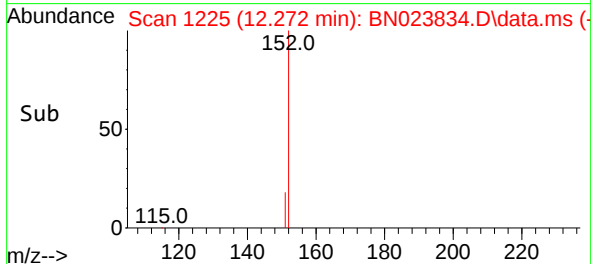
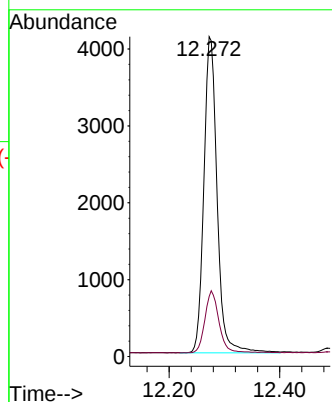
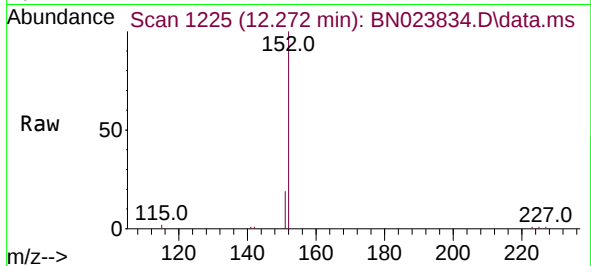




#11  
2-Methylnaphthalene-d10  
Concen: 0.377 ng  
RT: 12.272 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

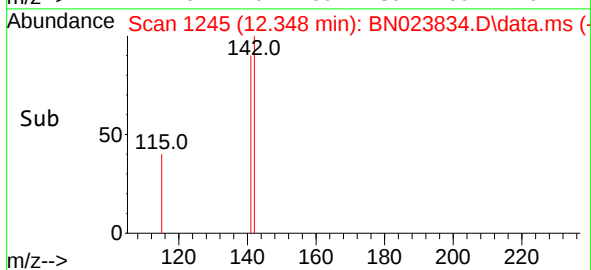
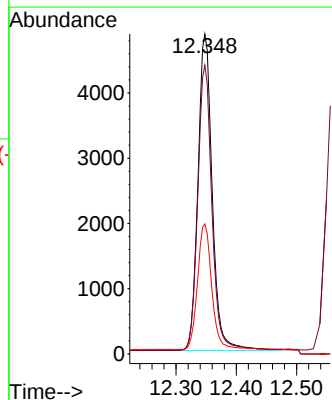
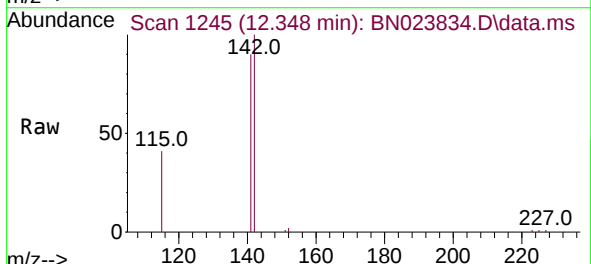
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

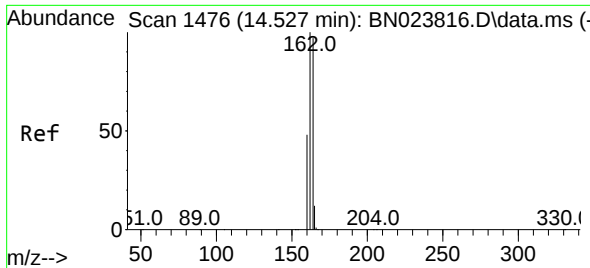
Tgt Ion:152 Resp: 6793  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.8 25.2



#12  
2-Methylnaphthalene  
Concen: 0.365 ng  
RT: 12.348 min Scan# 1245  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:142 Resp: 7975  
Ion Ratio Lower Upper  
142 100  
141 90.2 71.0 106.6  
115 40.6 31.0 46.4

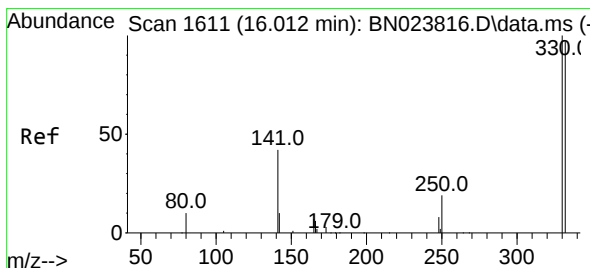
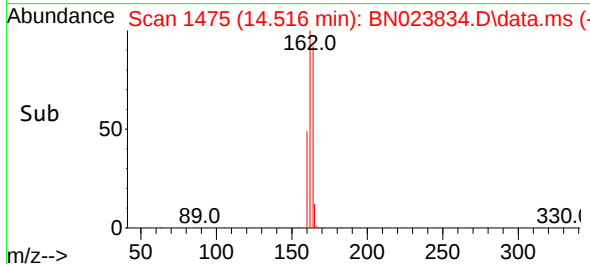
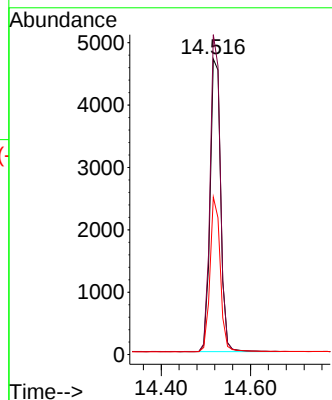
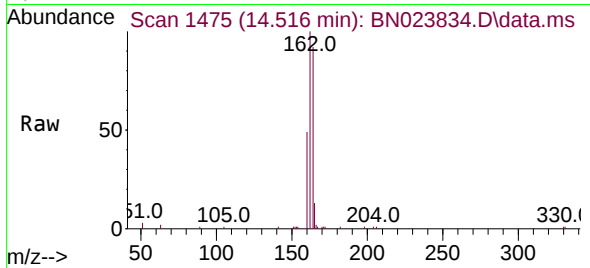




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.516 min Scan# 1476  
 Delta R.T. 0.000 min  
 Lab File: BN023834.D  
 Acq: 27 Jan 2023 11:24

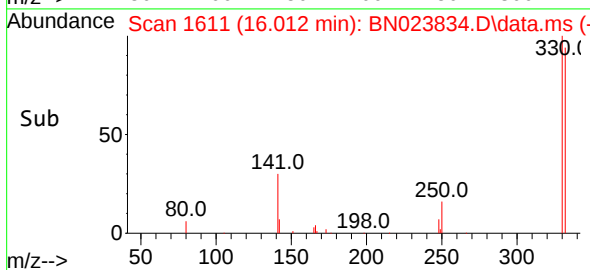
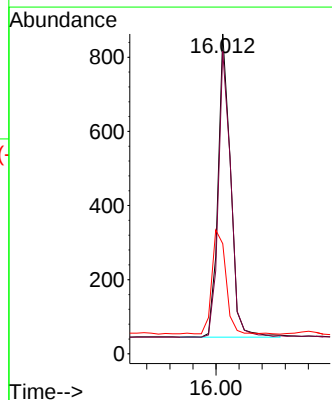
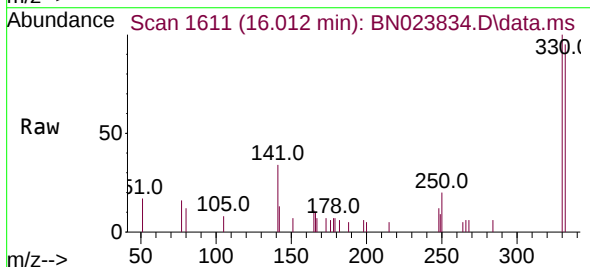
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB150423BS

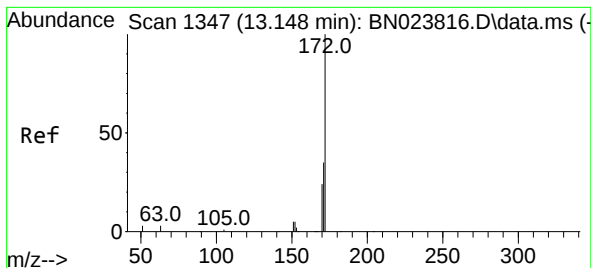
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 7741  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 108.2 | 82.5  | 123.7 |
| 160      | 53.3  | 39.9  | 59.9  |



#14  
 2,4,6-Tribromophenol  
 Concen: 0.364 ng  
 RT: 16.012 min Scan# 1611  
 Delta R.T. 0.000 min  
 Lab File: BN023834.D  
 Acq: 27 Jan 2023 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 1235  |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 93.9  | 78.8  | 118.2 |
| 141      | 38.9  | 33.2  | 49.8  |

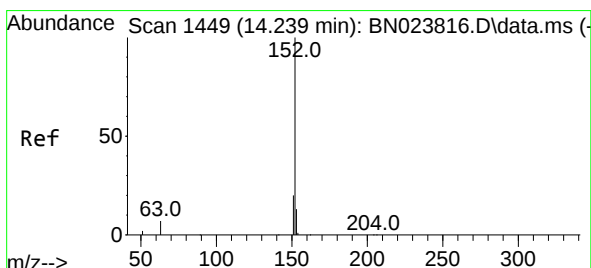
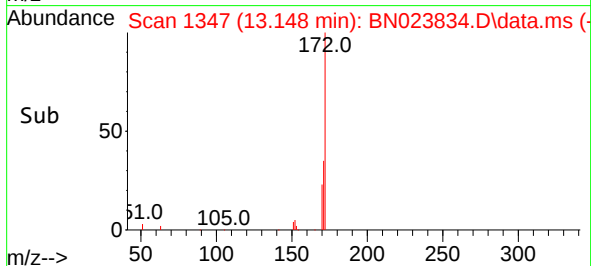
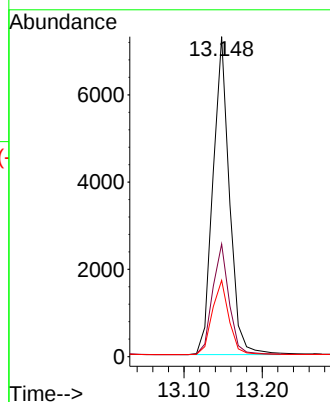
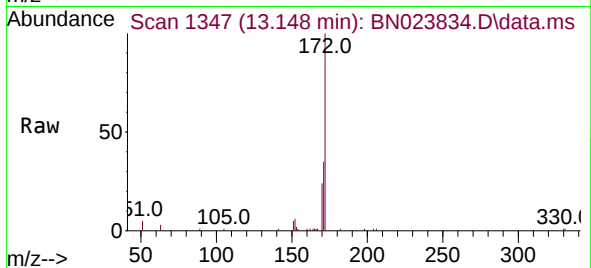




#15  
2-Fluorobiphenyl  
Concen: 0.347 ng  
RT: 13.148 min Scan# 1347  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

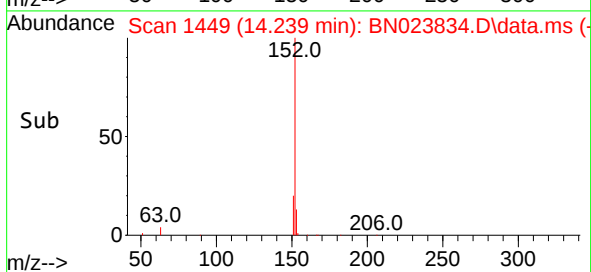
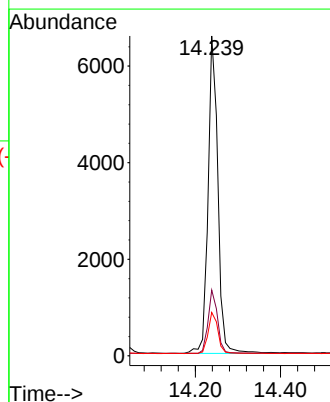
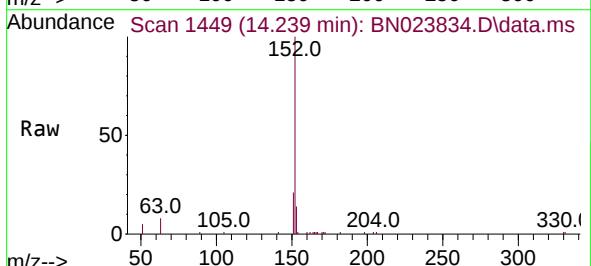
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BNA\_N  
ClientSampleId :  
PB150423BS

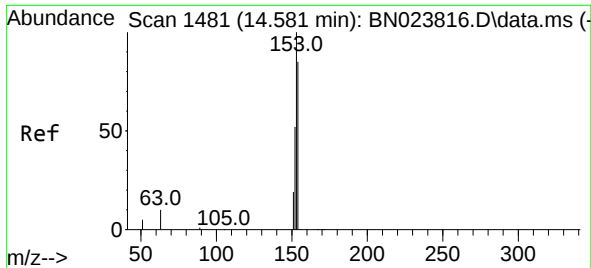
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 10705 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.2  | 28.4  | 42.6  |
| 170       | 23.8  | 19.4  | 29.2  |



#16  
Acenaphthylene  
Concen: 0.342 ng  
RT: 14.239 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 10516 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.4  | 15.8  | 23.6  |
| 153       | 13.0  | 10.2  | 15.4  |

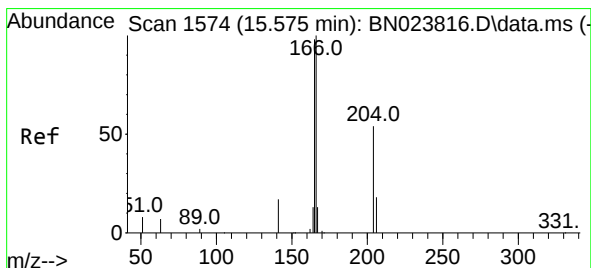
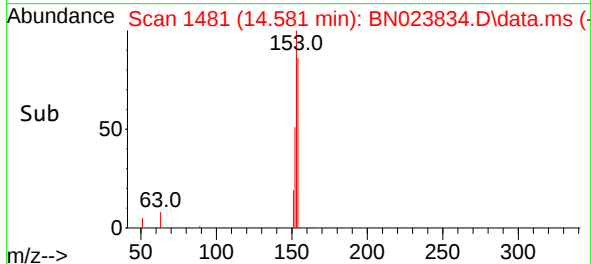
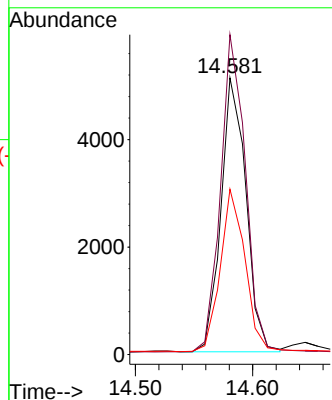
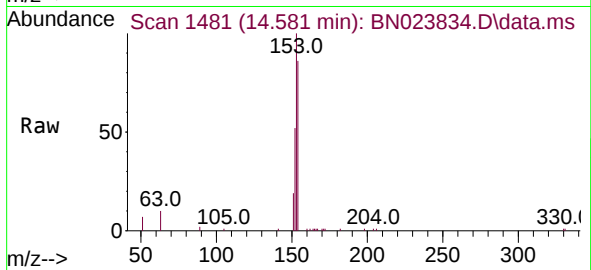




#17  
Acenaphthene  
Concen: 0.366 ng  
RT: 14.581 min Scan# 1481  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

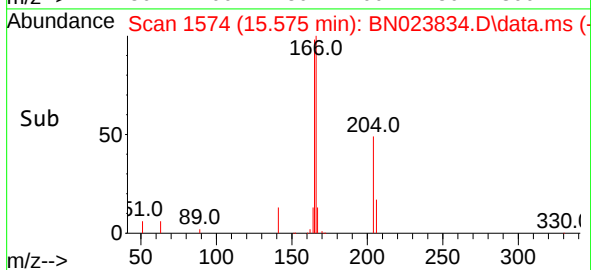
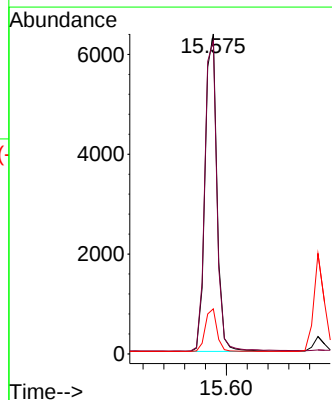
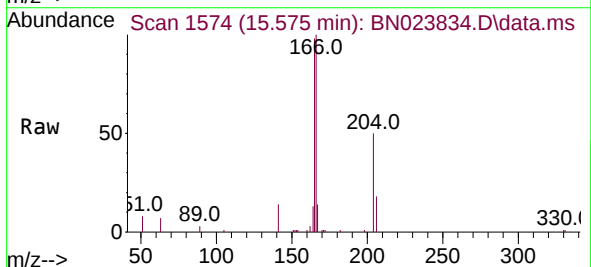
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

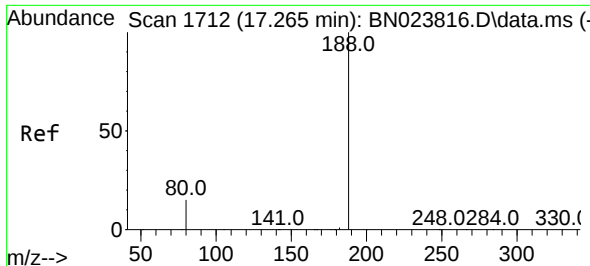
Tgt Ion:154 Resp: 7550  
Ion Ratio Lower Upper  
154 100  
153 115.5 92.6 139.0  
152 59.6 48.3 72.5



#18  
Fluorene  
Concen: 0.360 ng  
RT: 15.575 min Scan# 1574  
Delta R.T. 0.011 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:166 Resp: 10076  
Ion Ratio Lower Upper  
166 100  
165 100.2 80.4 120.6  
167 13.3 10.7 16.1

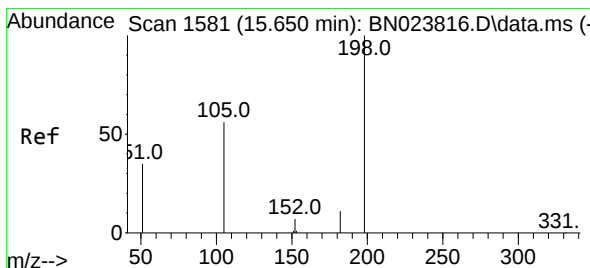
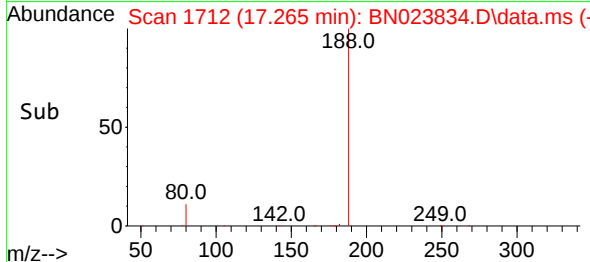
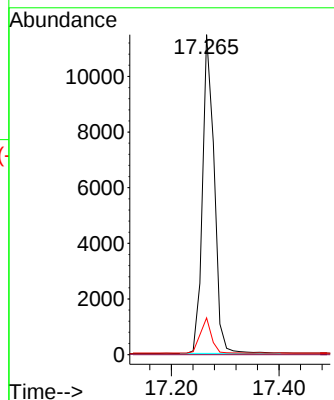
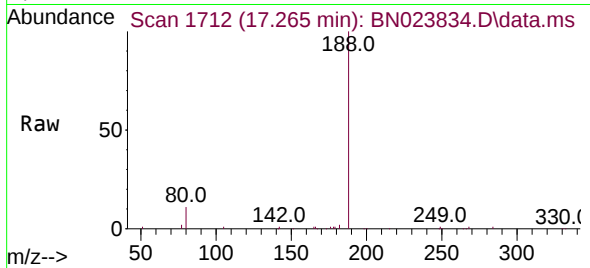




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.265 min Scan# 1712  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

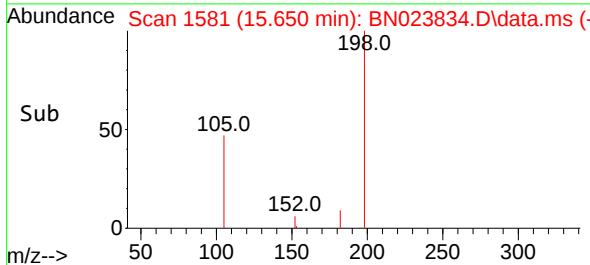
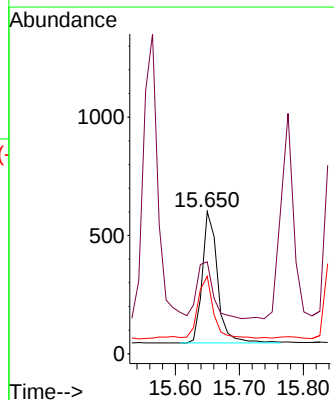
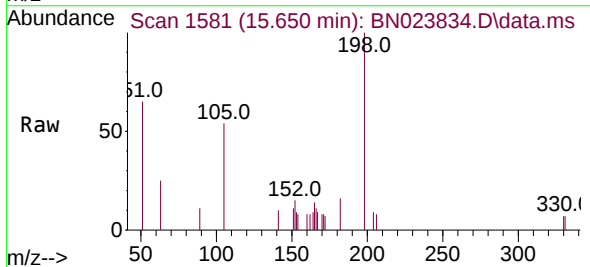
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

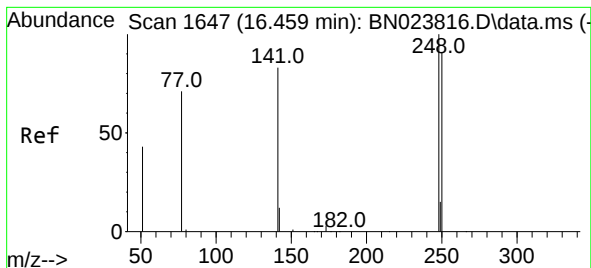
Tgt Ion:188 Resp: 17287  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.5 12.6 18.8#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.384 ng  
RT: 15.650 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:198 Resp: 958  
Ion Ratio Lower Upper  
198 100  
51 64.7 65.1 97.7#  
105 54.4 53.1 79.7

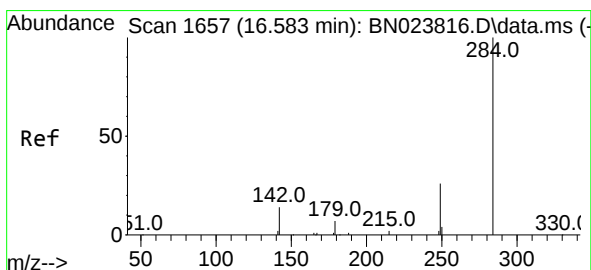
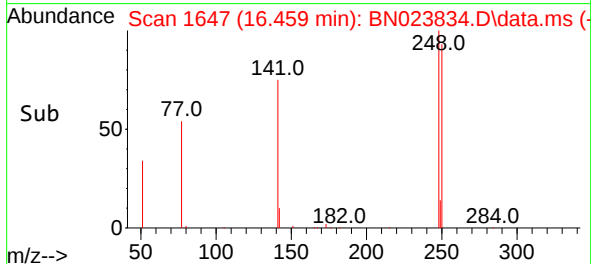
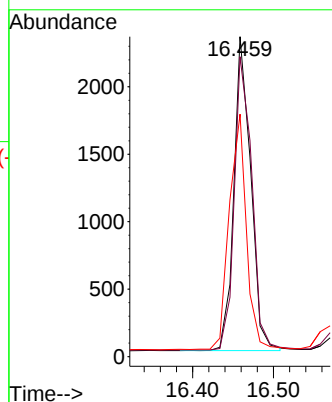
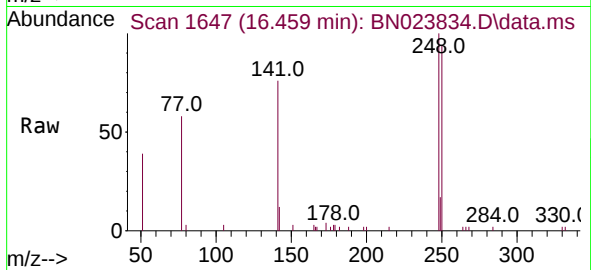




#21  
4-Bromophenyl-phenylether  
Concen: 0.350 ng  
RT: 16.459 min Scan# 1647  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

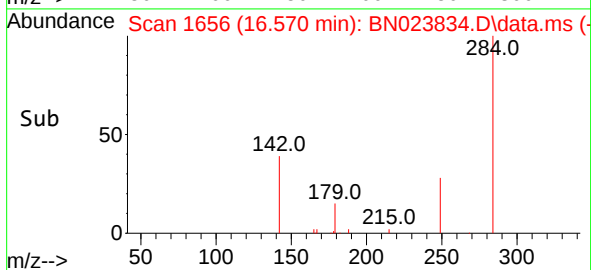
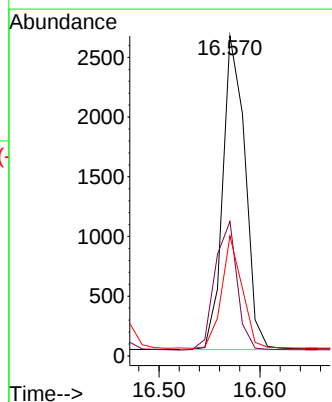
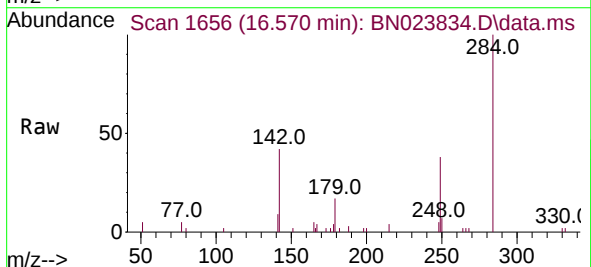
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

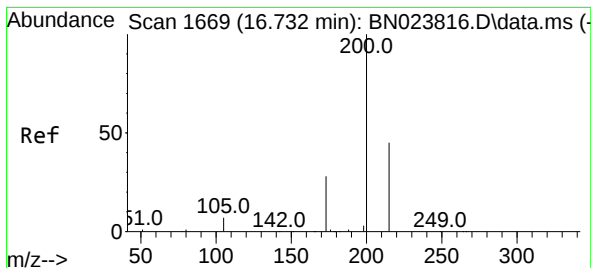
Tgt Ion:248 Resp: 3366  
Ion Ratio Lower Upper  
248 100  
250 93.7 72.9 109.3  
141 75.8 67.4 101.2



#22  
Hexachlorobenzene  
Concen: 0.349 ng  
RT: 16.570 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:284 Resp: 4031  
Ion Ratio Lower Upper  
284 100  
142 40.9 31.4 47.2  
249 32.8 24.3 36.5





#23

Atrazine

Concen: 0.355 ng

RT: 16.732 min Scan# 1669

Delta R.T. 0.000 min

Lab File: BN023834.D

Acq: 27 Jan 2023 11:24

Instrument :

BNA\_N

ClientSampleId :

PB150423BS

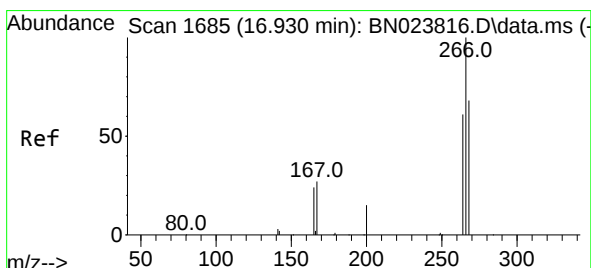
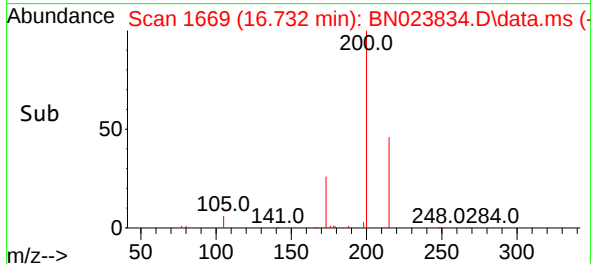
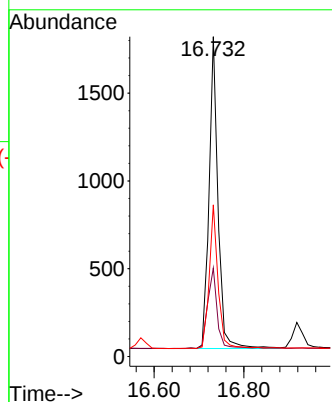
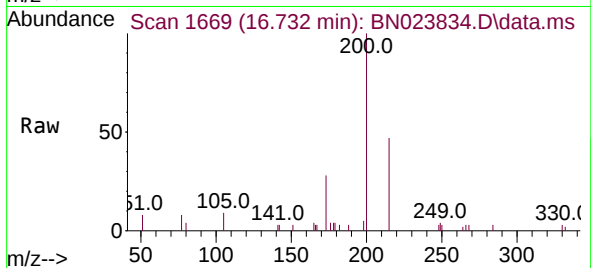
Tgt Ion:200 Resp: 2472

Ion Ratio Lower Upper

200 100

173 27.7 24.1 36.1

215 47.4 36.8 55.2



#24

Pentachlorophenol

Concen: 0.391 ng

RT: 16.918 min Scan# 1684

Delta R.T. 0.000 min

Lab File: BN023834.D

Acq: 27 Jan 2023 11:24

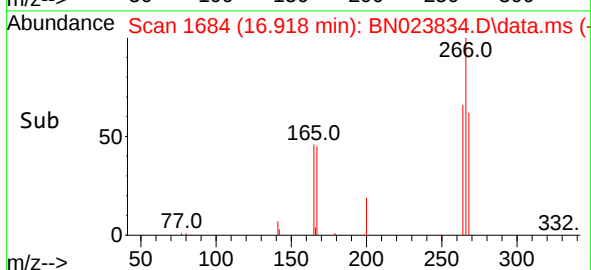
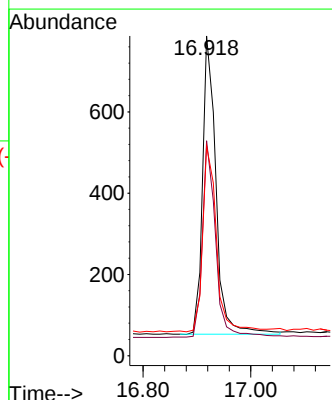
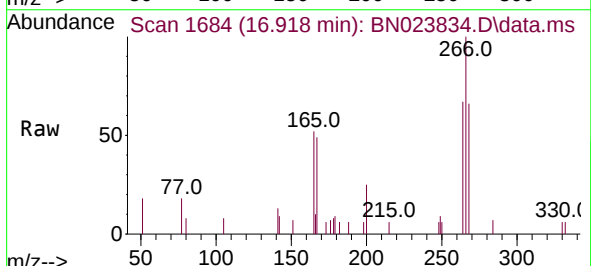
Tgt Ion:266 Resp: 1268

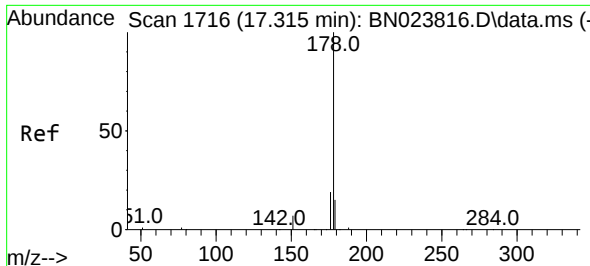
Ion Ratio Lower Upper

266 100

264 65.1 49.0 73.4

268 64.2 50.1 75.1

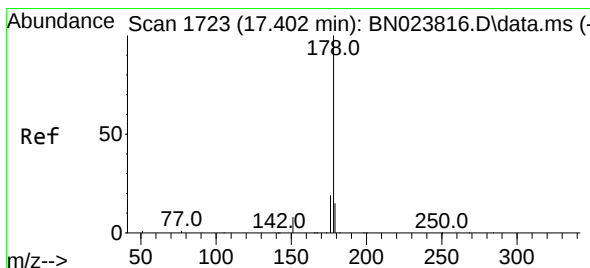
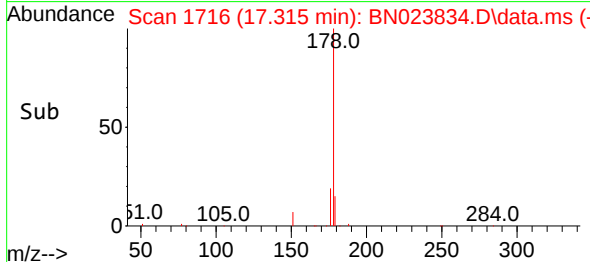
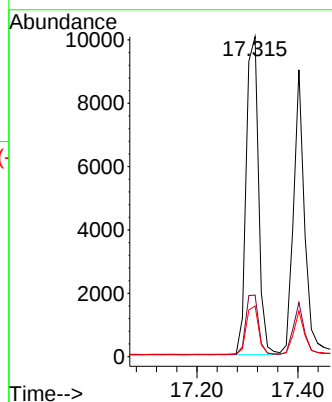
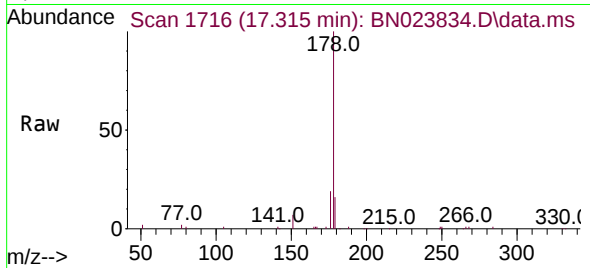




#25  
Phenanthrene  
Concen: 0.355 ng  
RT: 17.315 min Scan# 1716  
Delta R.T. 0.012 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

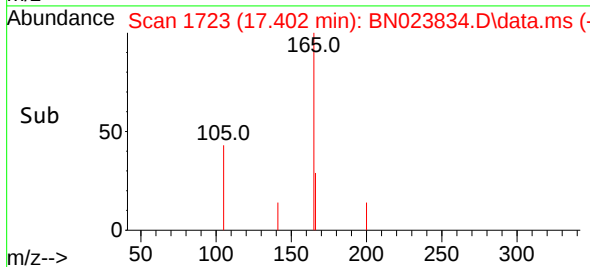
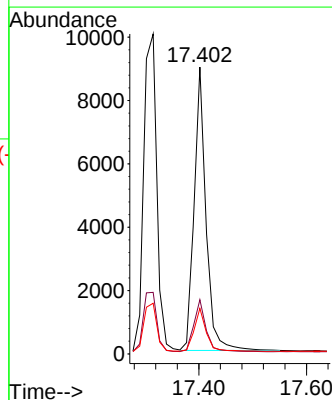
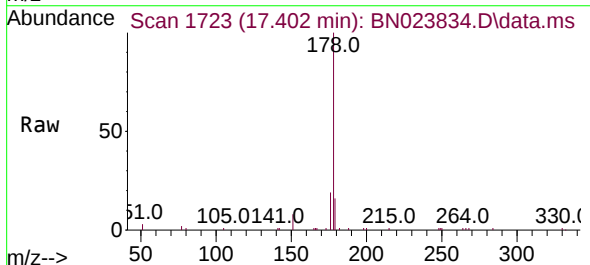
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

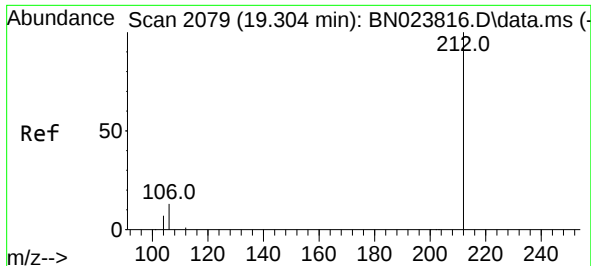
Tgt Ion:178 Resp: 17047  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.5 23.3  
179 15.3 12.2 18.4



#26  
Anthracene  
Concen: 0.351 ng  
RT: 17.402 min Scan# 1723  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:178 Resp: 13662  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.0 22.6  
179 15.2 12.1 18.1

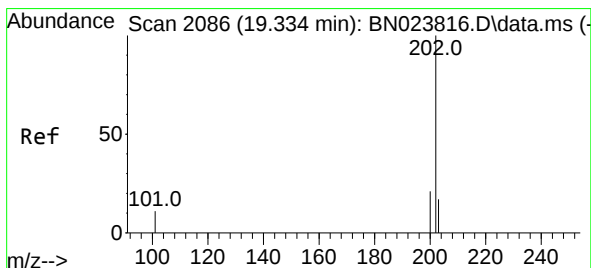
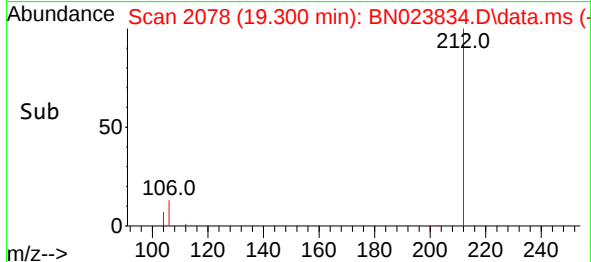
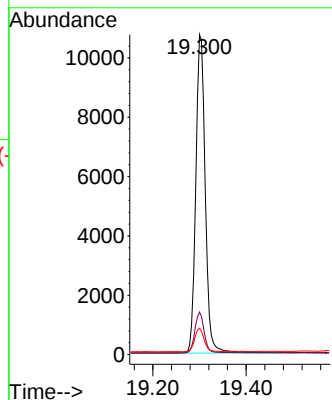
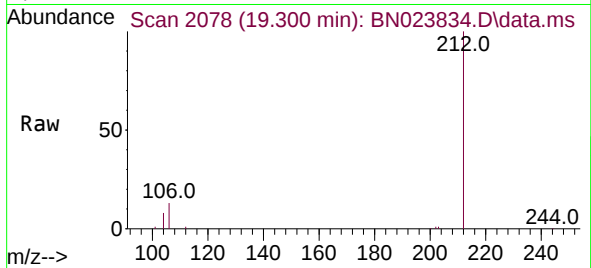




#27  
Fluoranthene-d10  
Concen: 0.375 ng  
RT: 19.300 min Scan# 2079  
Delta R.T. 0.000 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

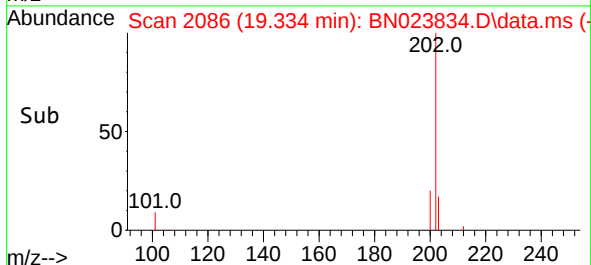
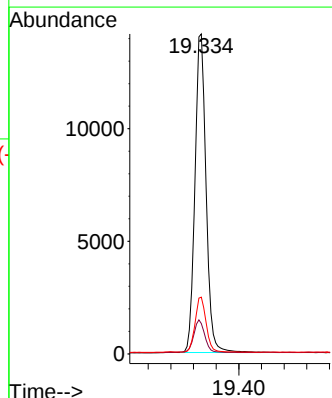
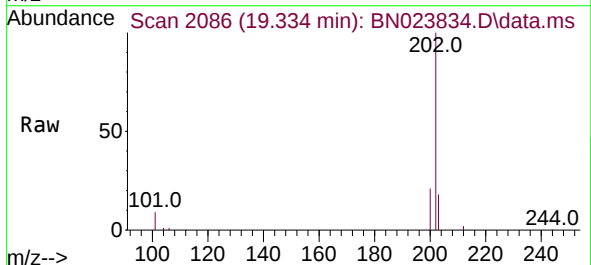
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

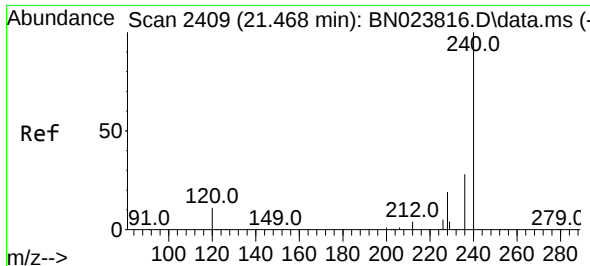
Tgt Ion:212 Resp: 15146  
Ion Ratio Lower Upper  
212 100  
106 12.6 10.8 16.2  
104 7.3 6.2 9.4



#28  
Fluoranthene  
Concen: 0.364 ng  
RT: 19.334 min Scan# 2086  
Delta R.T. 0.004 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:202 Resp: 19158  
Ion Ratio Lower Upper  
202 100  
101 10.3 9.1 13.7  
203 17.1 13.7 20.5

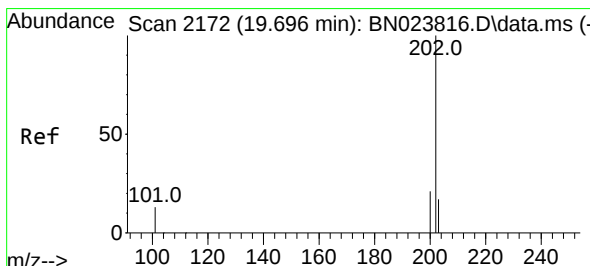
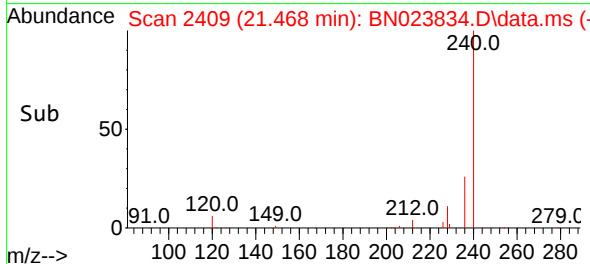
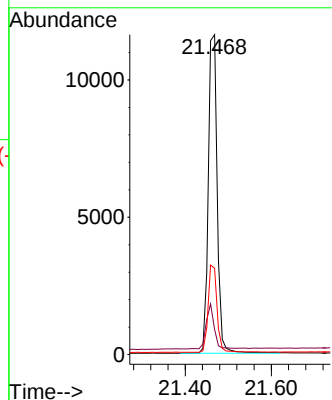
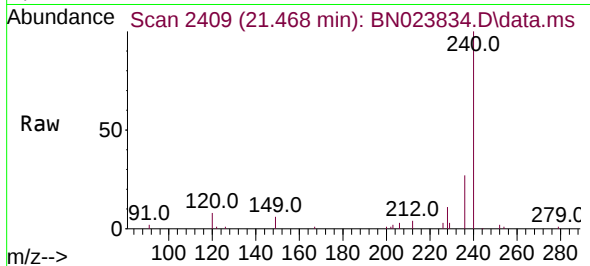




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.468 min Scan# 2409  
Delta R.T. 0.009 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

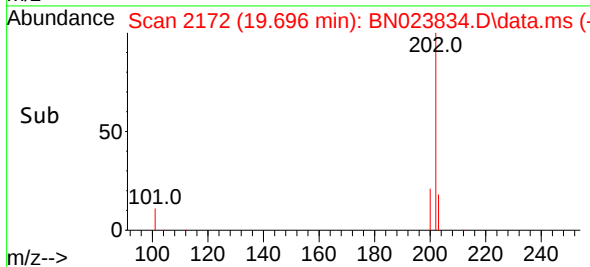
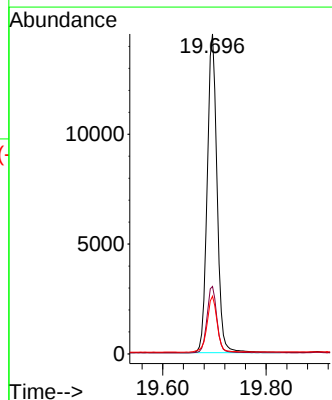
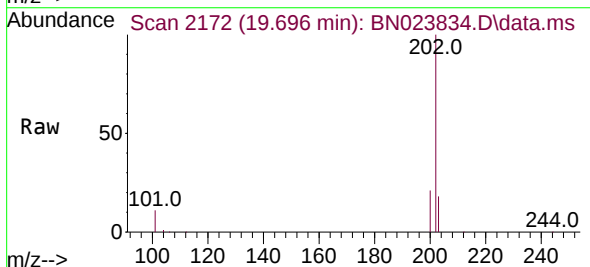
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

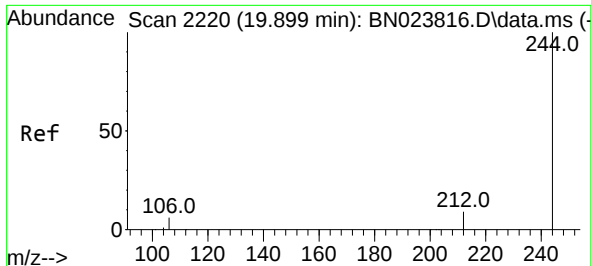
Tgt Ion:240 Resp: 16514  
Ion Ratio Lower Upper  
240 100  
120 7.9 10.6 15.8#  
236 27.0 22.5 33.7



#30  
Pyrene  
Concen: 0.341 ng  
RT: 19.696 min Scan# 2172  
Delta R.T. 0.004 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:202 Resp: 19124  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.8 25.2  
203 17.9 14.1 21.1

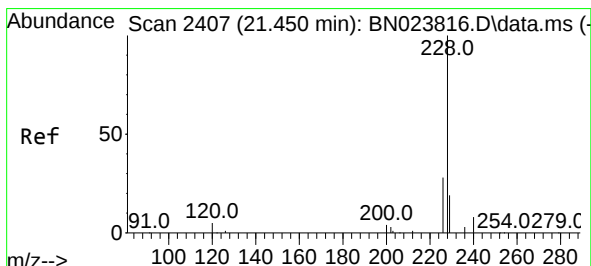
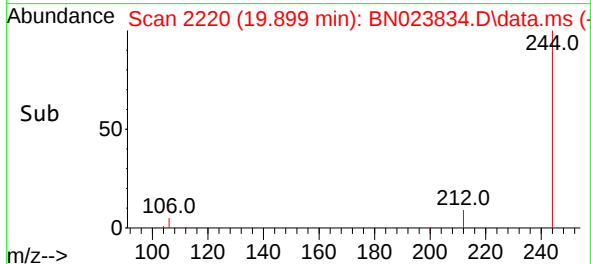
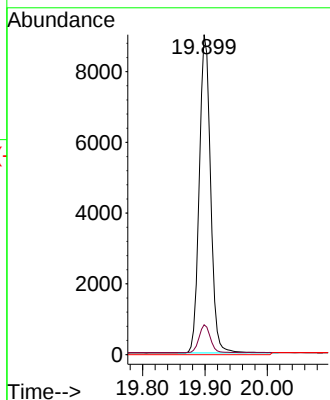
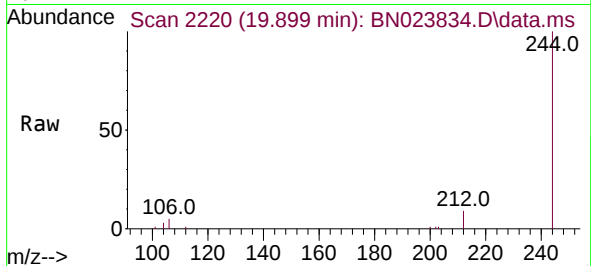




#31  
 Terphenyl-d14  
 Concen: 0.372 ng  
 RT: 19.899 min Scan# 211  
 Delta R.T. 0.000 min  
 Lab File: BN023834.D  
 Acq: 27 Jan 2023 11:24

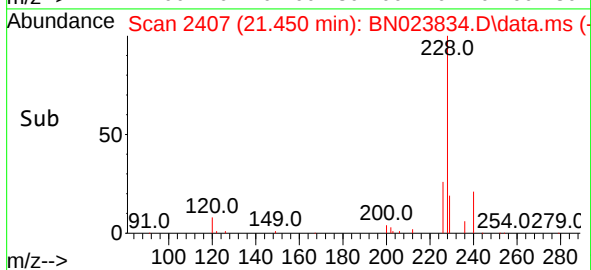
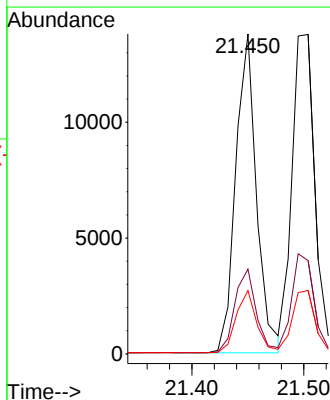
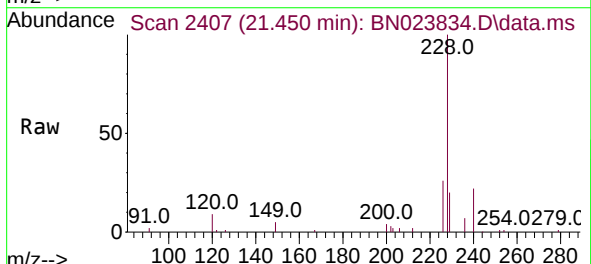
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB150423BS

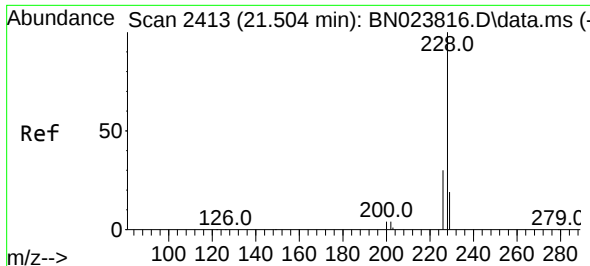
Tgt Ion:244 Resp: 11657  
 Ion Ratio Lower Upper  
 244 100  
 212 9.3 7.4 11.0  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 0.354 ng  
 RT: 21.450 min Scan# 2407  
 Delta R.T. 0.009 min  
 Lab File: BN023834.D  
 Acq: 27 Jan 2023 11:24

Tgt Ion:228 Resp: 17779  
 Ion Ratio Lower Upper  
 228 100  
 226 26.5 22.6 34.0  
 229 19.8 15.8 23.6





#33

Chrysene

Concen: 0.355 ng

RT: 21.504 min Scan# 2413

Delta R.T. 0.009 min

Lab File: BN023834.D

Acq: 27 Jan 2023 11:24

Instrument :

BNA\_N

ClientSampleId :

PB150423BS

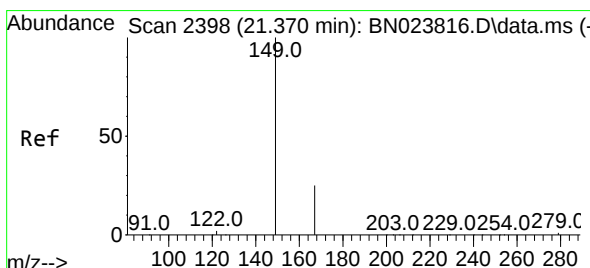
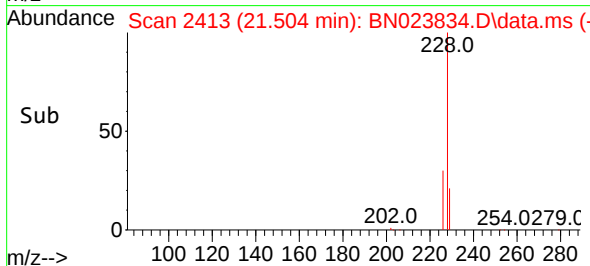
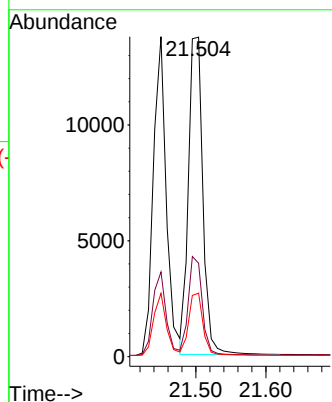
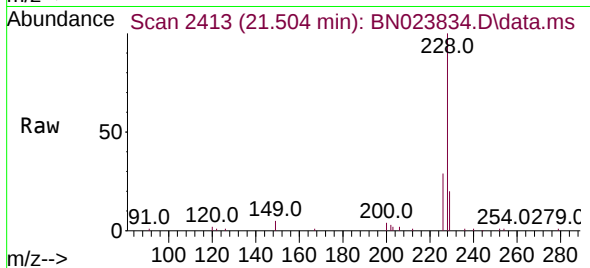
Tgt Ion:228 Resp: 19699

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

229 19.9 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.343 ng

RT: 21.370 min Scan# 2398

Delta R.T. 0.000 min

Lab File: BN023834.D

Acq: 27 Jan 2023 11:24

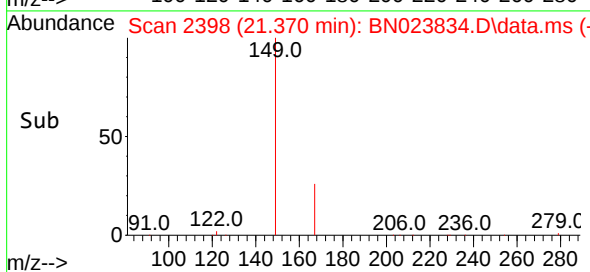
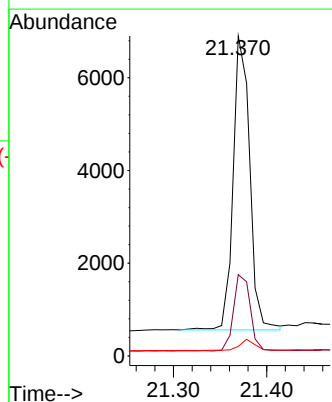
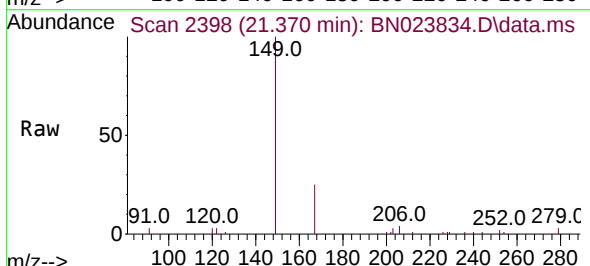
Tgt Ion:149 Resp: 7821

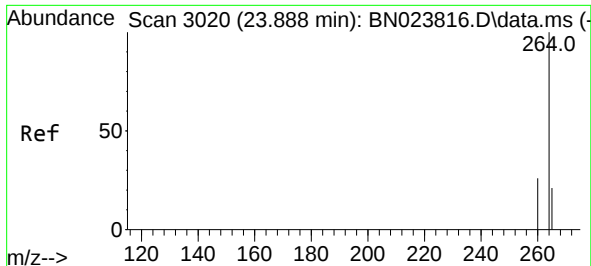
Ion Ratio Lower Upper

149 100

167 26.2 20.4 30.6

279 3.7 2.2 3.4#

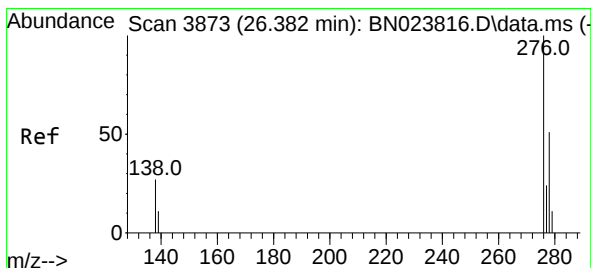
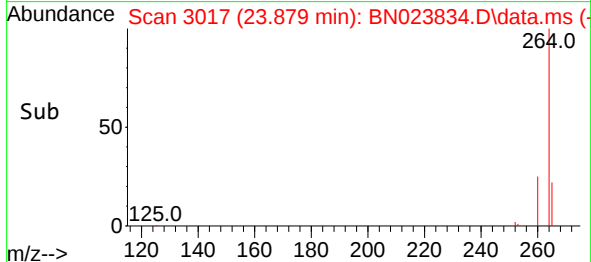
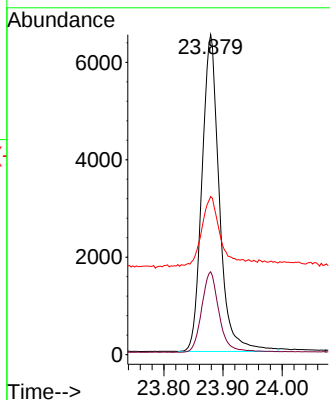
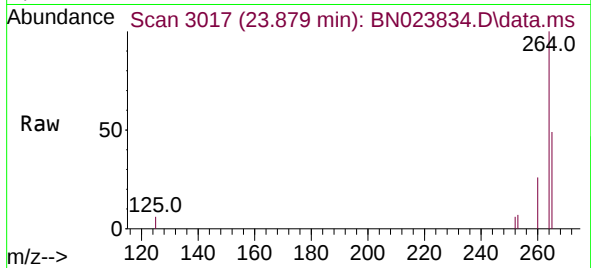




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.879 min Scan# 30  
Delta R.T. 0.015 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

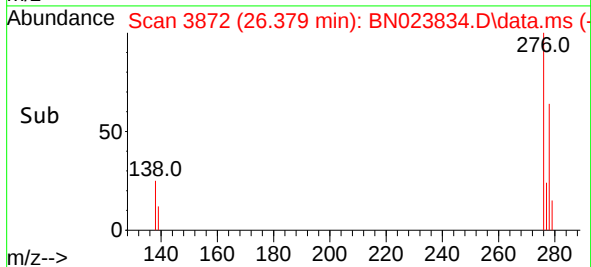
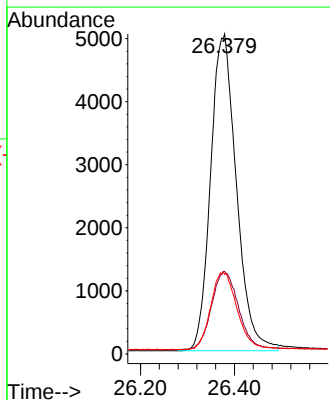
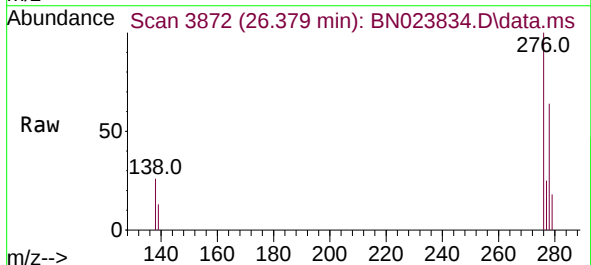
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

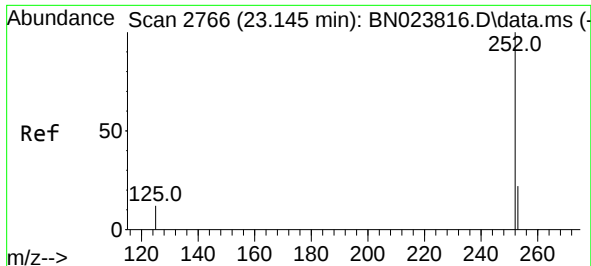
Tgt Ion:264 Resp: 13305  
Ion Ratio Lower Upper  
264 100  
260 25.9 21.5 32.3  
265 49.4 44.5 66.7



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.347 ng  
RT: 26.379 min Scan# 3872  
Delta R.T. 0.041 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Tgt Ion:276 Resp: 19170  
Ion Ratio Lower Upper  
276 100  
138 25.9 23.2 34.8  
277 24.7 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.360 ng

RT: 23.142 min Scan# 21

Delta R.T. 0.015 min

Lab File: BN023834.D

Acq: 27 Jan 2023 11:24

Instrument :

BNA\_N

ClientSampleId :

PB150423BS

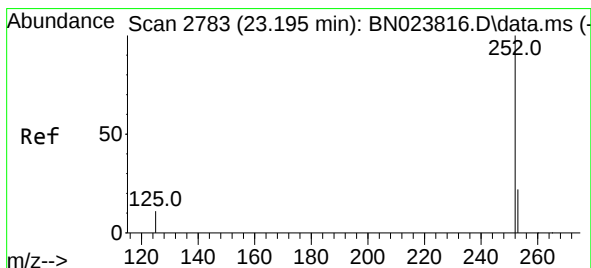
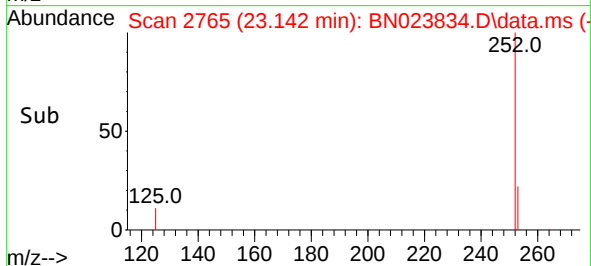
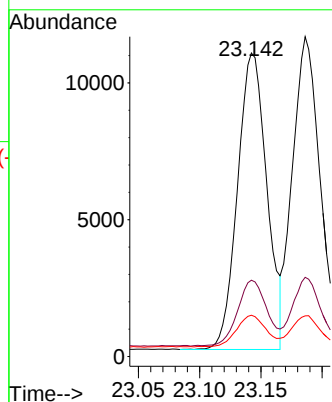
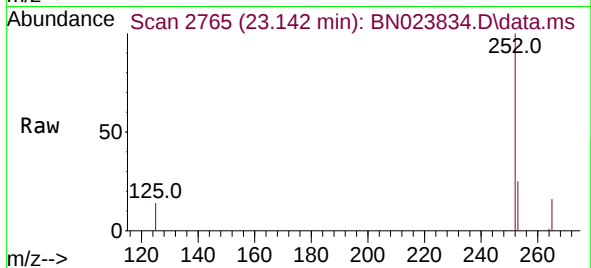
Tgt Ion:252 Resp: 18044

Ion Ratio Lower Upper

252 100

253 25.1 20.2 30.4

125 13.6 12.7 19.1



#38

Benzo(k)fluoranthene

Concen: 0.364 ng

RT: 23.186 min Scan# 2780

Delta R.T. 0.012 min

Lab File: BN023834.D

Acq: 27 Jan 2023 11:24

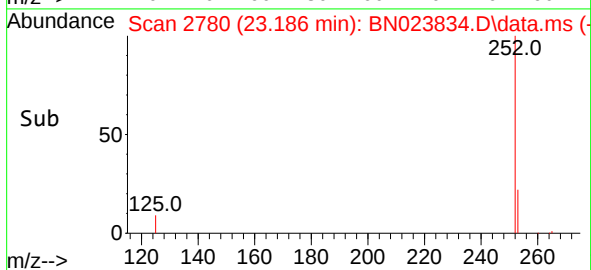
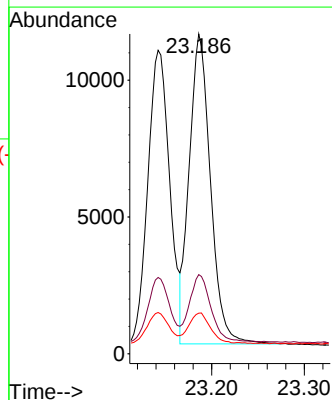
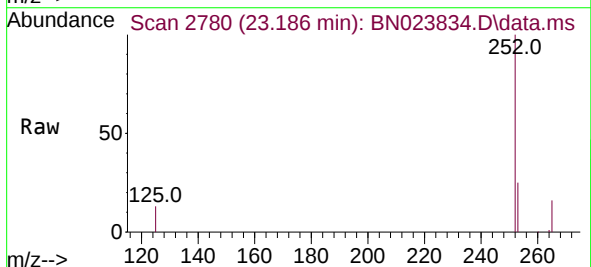
Tgt Ion:252 Resp: 18052

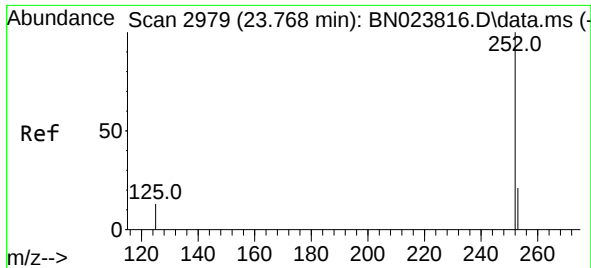
Ion Ratio Lower Upper

252 100

253 24.8 20.5 30.7

125 12.7 12.6 18.8

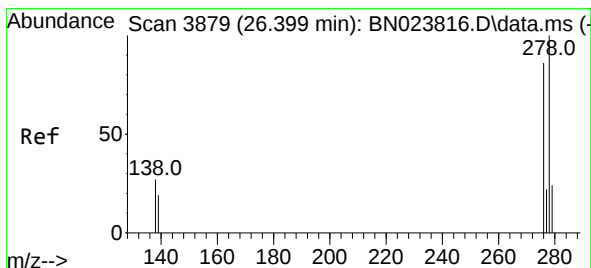
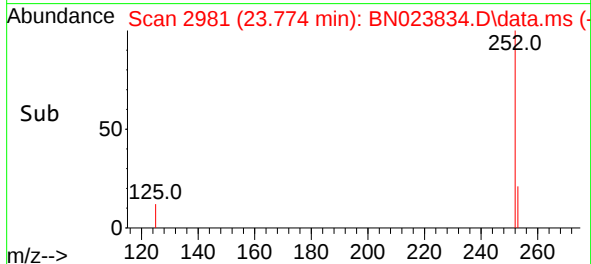
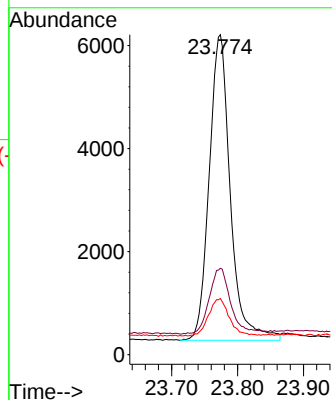
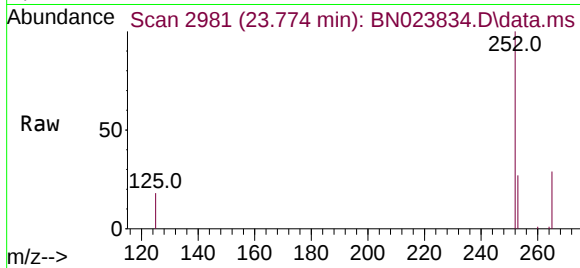




#39  
Benzo(a)pyrene  
Concen: 0.351 ng  
RT: 23.774 min Scan# 2979  
Delta R.T. 0.023 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

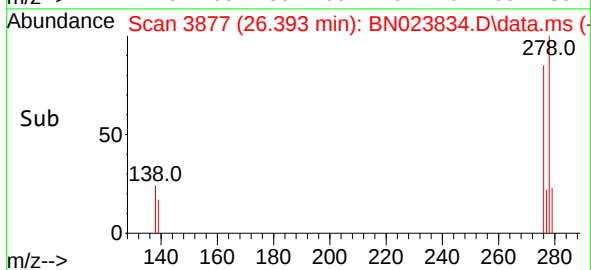
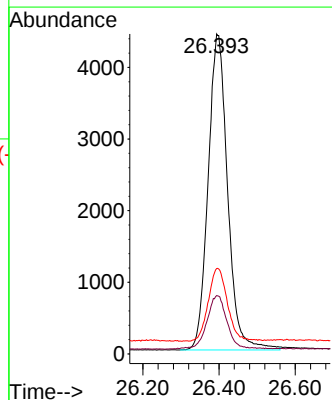
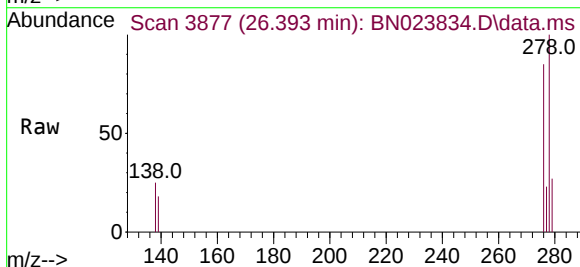
Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS

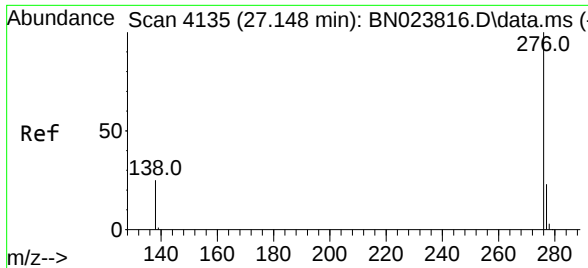
Tgt Ion:252 Resp: 13197  
Ion Ratio Lower Upper  
252 100  
253 27.0 22.0 33.0  
125 17.5 16.2 24.4



#40  
Dibenzo(a,h)anthracene  
Concen: 0.351 ng  
RT: 26.393 min Scan# 3877  
Delta R.T. 0.035 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

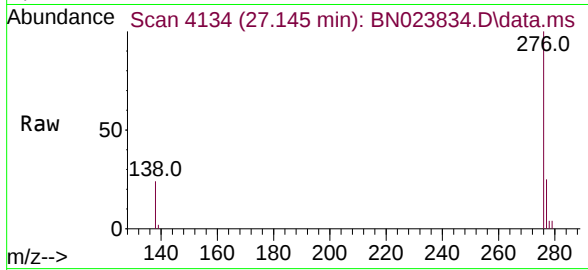
Tgt Ion:278 Resp: 15705  
Ion Ratio Lower Upper  
278 100  
139 18.2 16.5 24.7  
279 26.7 21.7 32.5





#41  
Benzo(g,h,i)perylene  
Concen: 0.348 ng  
RT: 27.145 min Scan# 41  
Delta R.T. 0.047 min  
Lab File: BN023834.D  
Acq: 27 Jan 2023 11:24

Instrument :  
BNA\_N  
ClientSampleId :  
PB150423BS



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 16522 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 25.4  | 19.7  | 29.5  |
| 138      | 23.5  | 21.3  | 31.9  |

